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CONTENTS.

	Page.
DECISIONS OF THE COMMISSIONER OF PATENTS, October 7, 14, 21, 28	3, 215, 441, 681
TRADE-MARKS PUBLISHED AND REGISTERED, October 7, 14, 21, 28	9, 223, 447, 691
REISSUES, October 7, 14, 21, 28	55, 269, 489, 743
DESIGNS, October 7, 14, 21, 28	57, 269, 490, 744
PATENTS, October 7, 14, 21, 28	66, 275, 500, 754

ANNOUNCEMENTS.

	Page.
ADVERSE DECISIONS IN INTERFERENCE—Davis, 1,406,982	679
Dyson, 1,144,407	437
Garman, 1,416,188	679
Gregory, 1,408,190	437
Hamilton, 1,466,363	437
Hayden, 1,429,241	437
Holmquist, 1,454,512	437
Ophelm, 1,423,249	679
APPLICATIONS—Access to pending	2, 214, 438, 680
Condition of pending	8
CLASSIFICATION OF INVENTIONS—Changes in—Order No. 2,879	690
Order No. 2,882	690
Order No. 2,883	690
DISCLAIMERS—Gammeter, John R. (two cases)	446
Kernohan, Robert B., James S. Lockhart, and Willibald Trinks	1
Sollie, Klaus	213
DRAWINGS	679
INTERFERENCE NOTICES—Arrow Neckwear Co.	1, 213, 437
De Paul, Alfonso	1, 213
Marlowe Manufacturing Company	679
Master Jewelers, Inc., The	1, 213, 437
Ramey Medicine Co., Dr.	1, 213, 437
Secor, May	437, 679
Victor Combination Kitchen Boiler Company	1
Zohrlant Leather Co., Herman	7, 221, 445, 689
PATENT SUITS	8, 445, 679
PATENTS—List of adjudicated	446
TRADE-MARKS—Canceled	8, 222, 446, 689
Notice of cancellation	

TABLE OF CASES REPORTED.

	Page.		Page.
** Baldwin Company, The, v. Robertson as Commissioner of Patents and R. S. Howard Company	5	* Orange Crush Company v. California Crushed Fruit Company	687
Bowers, Ex parte	215	* Ragsdale v. Gathmann	444
Buchenberg, Ex parte	216	* Shaffer, In re	688
* Chamberlin v. Kadow, Kadow v. Chamberlin	3	** Thropp's Sons Company, John E., v. Seiberling	441
Jones, Ex parte	681	Ware, Ex parte	215
** Keller and Lillie, doing business as Hartford Windshield Company, v. Adams-Campbell Co., Inc., Gabel, Kipper, et al.	217	** Webster Electric Company v. Spltdorf Electrical Company	219
* Landis Machine Company, In re	4	** Woodbridge et al., Samuel Homer, executors of William E. Woodbridge, deceased, v. The United States	683
Marles v. Denyes	681		

Decisions of the Court of Appeals of the District of Columbia are indicated by one star (*) and of the Supreme Court of the United States by two stars (**).

ERRATA.

195,251 (Published Trade-Marks), page 228, for misspelled trade-mark "Hialth Brand" read *Health Brand*.
25,787 (Trade-Mark Registrations Renewed), page 53, lines 3 and 4, for "New York, N. Y." read *Jersey City, N. J., a Corporation of New Jersey*.
Vol. 327.

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CONTENTS.

	Page.
ISSUE OF OCTOBER 7, 1924.....	1
DISCLAIMER.....	1
INTERFERENCE NOTICES.....	1
APPLICATIONS UNDER EXAMINATION.....	2
DECISIONS OF THE U. S. COURTS—	
Chamberlin v. Kadow, Kadow v. Chamberlin.....	3
In re Landis Machine Company.....	4
The Baldwin Company v. Robertson as Commissioner of Patents and R. S. Howard Company.....	5
PATENT SUITS.....	7
ADJUDICATED PATENTS.....	8
NOTICE OF CANCELLATION.....	8
CHANGES IN CLASSIFICATION.....	8
TRADE-MARKS PUBLISHED (255 APPLICATIONS).....	44
TRADE-MARK REGISTRATIONS GRANTED.....	53
REISSUES.....	55
DESIGNS.....	57
PATENTS GRANTED.....	66

Issue of October 7, 1924.

Trade-Marks.....	238—No. 190,052 to No. 190,389, inclusive.
T. M. Renewals.....	15
Reissues.....	8—No. 15,923 to No. 15,930, inclusive.
Designs.....	48—No. 65,717 to No. 65,761, inclusive.
Patents.....	757—No. 1,510,452 to No. 1,511,208, inclusive.
Total.....	1066

Disclaimer.

1,338,046.—Klaus Soltic, Youngstown, Ohio. MINE CARS. Patent dated April 27, 1920. Disclaimer filed September 5, 1924, by the patentee, The Youngstown Sheet & Tube Company, licensee, consenting.
Hereby disclaims from claims 3, 4, 5, 6 and 8 any car body in which the bottom of the car is constructed entirely of metal; thereby limiting claims 3, 4, 5, 6 and 8 to a car body in which the bottom is formed of metal in combination with some other material.

Interference Notices.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.
May Secor, her assigns or legal representatives, take notice:
An interference having been declared by this Office between the applications of Max Robins, 220 North Franklin Street, Chicago, Ill., for registration of trade-marks and trade-mark registered May 8, 1906, No. 52,458, to May Secor, 121 Oak Street, Weehawken Heights, N. J., and a notice of such declaration sent by registered mail to said May Secor at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said May Secor, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.
Alfonso De Paul, his assigns or legal representatives, take notice:
An interference having been declared by this Office between the applications of S. Glenby's Sons Co., Inc., 12 East Twenty-second Street, New York, N. Y., and Swift

and Company, Union Stock Yards, Chicago, Ill., for registrations of trade-marks and trade-mark registered April 6, 1909, No. 73,276, to Alfonso De Paul, 1304 Dickinson Street, Philadelphia, Pa., and a notice of such declaration sent by registered mail to said De Paul at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said De Paul, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.
Dr. Rainey Medicine Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Stevens Medicine Company, Broadway and Thirty-fourth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered December 10, 1907, No. 66,506, to Dr. Rainey Medicine Co., Room 63, Dexter Building, 84 Adams Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Dr. Rainey Medicine Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dr. Rainey Medicine Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 17, 1924.
Marlowe Manufacturing Company, its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of The Rieser Company, Inc., 220 Fifth Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered November 1, 1910, No. 80,072, to Marlowe Manufacturing Company, 101 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Marlowe Manufacturing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Marlowe Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 11, 1924.
Herman Zohrlaut Leather Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of C. Trautman & Company, 814 Main Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered November 9, 1897, No. 30,801, to Herman Zohrlaut Leather Co., 783 to 825 North Water Street, Milwaukee, Wis., and 115-117 Summer Street, Boston, Mass., and the Office having failed to secure service on said Herman Zohrlaut Leather Co., notice is hereby given that unless said Herman Zohrlaut Leather Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Condition of Applications Under Examination at Close of Business September 26, 1924.

Room No.	Divisions, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
(Total number of applications awaiting action, excluding Trade-Mark Division, 59,731; Trade-Mark Division, 2,083. Oldest new case, Jan. 26, 1924; oldest amended, Jan. 26, 1924. The dates given are 1924.)				
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 1	Mar. 14	1,018
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Feb. 27	Mar. 24	762
351	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	May 29	Jan. 10	308
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 18	May 5	898
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Feb. 15	Feb. 18	1,014
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 8	Jan. 29	1,166
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Mar. 28	Mar. 27	1,690
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	Apr. 17	May 2	1,357
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Feb. 23	July 23	707
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 24	Apr. 10	1,405
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	May 16	May 1	918
380	12. PIERCE, P. P., Machine Elements.	Apr. 19	Apr. 10	1,059
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 21	Mar. 13	1,130
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Mar. 3	July 5	612
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 3	Mar. 21	1,376
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Feb. 29	Feb. 25	1,386
307	17. RAFTER, G. S., Label Fastening and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Apr. 8	Apr. 29	880
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Jan. 26	Jan. 26	1,337
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 21	July 10	838
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 1	Mar. 28	1,239
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Mar. 3	Aug. 7	633
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Mar. 12	Mar. 6	1,252
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanism.	Mar. 29	Apr. 5	480
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 12	Mar. 26	833
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	June 21	July 3	638
238*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Feb. 6	Feb. 13	809
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 8	May 12	1,035
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 7	Apr. 18	1,062
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 27	Mar. 6	1,155
243	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Apr. 1	Apr. 24	1,218
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 17	Mar. 5	1,000
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Mar. 10	Mar. 10	933
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 10	Apr. 30	1,244
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Apr. 24	Apr. 8	836
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 29	June 11	662
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Apr. 11	Mar. 31	1,519
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Mar. 22	Mar. 22	1,543
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining; Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 31	Apr. 10	1,157
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Apr. 19	Apr. 21	679
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 12	May 23	1,923
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Mar. 22	Apr. 18	699
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Jan. 26	Feb. 14	1,609
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 13	Feb. 27	1,256
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 20	Apr. 19	1,079
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Mar. 8	Feb. 13	996
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 31	Feb. 4	1,130
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 26	Mar. 5	1,420
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Feb. 2	Feb. 6	1,971
239	49. EDINBURGH, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Apr. 1	Feb. 27	970
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Feb. 8	Feb. 6	1,746
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Mar. 5	Mar. 7	2,079
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 11	May 14	866
112	53. PECK, M. K., Books; Manfolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 13	Mar. 4	1,565
102	DESIGNS: C. O. MARKHAM (Acting).	Aug. 21	Aug. 28	459
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Aug. 26	Sept. 2	1,746
		Aug. 19	Aug. 23	337

* Refers to room numbers in the annex

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

CHAMBERLIN v. KADOW. KADOW v. CHAMBERLIN.

Nos. 1,583, 1,584, 1,585. Decided April 7, 1924.

1. UTILITY—INVENTION IN THEORETICAL STAGE.

Where it was the aim of the parties to design a machine for the automatic manufacture of hollow glass articles, and particularly of electric-light bulbs, and C.'s machine does not appear to have been used in the manufacture of electric-light bulbs, although a machine involving some of the features of his device but requiring part of the work to be performed manually has been used, *Held* that the utility of C.'s device is theoretical.

2. INTERFERENCE—PRIORITY—FIRST INVENTOR ENTITLED TO AWARD REGARDLESS OF POSSIBLE OR APPARENT HARDSHIP.

If it clearly appears that one party is the prior inventor, the award should be in his favor, regardless of possible or apparent hardship.

3. SAME—SAME—ACTUAL VERSUS THEORETICAL INVENTIONS.

A party who has made a useful and practical invention ought not to be deprived of his reward in the absence of a clear showing that another party preceded him in the legal sense as to the same invention. In other words, theory should not displace fact.

4. SAME—ISSUE—CONSTRUCTION OF.

In an interference proceeding a claim will be given the broadest interpretation its language will reasonably permit, but an apt limitation adopted by one party will not be disregarded to his disadvantage.

5. SAME—SAME—SAME.

Where in C.'s device the gathering mechanism is never stationary and arrested motion is not necessary, while in K.'s device it was desired and necessary, and the issue, which originated with K., specifies means for arresting the travel of the gathering mechanism, *Held* that C. may not make the claim, which requires an actual stopping when its language is given its natural meaning, and particularly the meaning intended by K.

Mr. Vernon M. Dorsey for Chamberlin.

Mr. O. R. Barnett and Mr. P. H. Truman for Kadow.

Before SMYTH, Chief Justice, ROBB, Justice, and MARTIN, Presiding Judge U. S. Court of Customs Appeals.

ROBB, J.:

These are cross appeals in an interference proceeding [appeal No. 1,583, interference No. 34,808; appeals Nos. 1,584 and 1,585, interference No. 34,811,] in which priority of invention was awarded Chamberlin as to certain counts, while other counts were awarded Kadow.

It was the aim of each party to design a machine for the automatic manufacture of hollow glass articles, and particularly of electric-light bulbs. Prior thereto glass blowing had been accomplished solely through manual operation. The glass was melted, a highly-skilled workman took a gathering iron (consisting of a hollow iron pipe several feet in length with one end heated), dipped the heated end into the molten glass and, by skillful manipulation, caused a sufficient "gob" or gather to adhere. It was necessary carefully to manipulate the iron

after withdrawal to prevent the dropping of the gather. In this way the workman would carry the gather to a hard, flat surface called a "marver." By rotation of the iron the gather would be rolled over this surface and roughly shaped. In addition, the outer surface of the gather would be somewhat chilled and the gather itself rendered less likely to drop off the iron. Workmen, at the proper time, would blow through the blowpipe and form the initial chamber in the gathered mass. The elongation and further shaping of the mass would be secured through swinging and the blowing of additional air through the blowpipe. It will be appreciated at once that the accomplishment of these steps automatically was a very great undertaking.

[1, 2, 3] That Kadow's machine has solved the problem may not be doubted, in view of its great commercial success. It constitutes a definite, practical and extremely valuable contribution to the art. The utility of the Chamberlin machine, on the other hand, is theoretical. We say this because it does not appear to have been used in the manufacture of electric-light bulbs, although Chamberlin's assignee has used a machine involving some of the features of his device but requiring part of the work to be performed manually. Of course, if it clearly appears that one party is the prior inventor, the award should be in his favor, regardless of possible or apparent hardship. Having in mind, however, that the real object of the patent law is to benefit the public by rewarding those who give to it useful inventions, it is apparent that a party who has made such an invention ought not to be deprived of his reward in the absence of a clear showing that another party preceded him in the legal sense as to the same invention. In other words, theory should not displace fact.

Coming now to the machines of the two parties, in so far as here involved, Kadow shows a vertical central column, about which is mounted a so-called rotating drum or spider. Mounted upon this drum and pivoted on the same center, but so mounted as to be capable of being swung about its pivot independently of the drum, is a glass-gathering mechanism, which includes means capable of sliding back and forth radially of the rotating drum, so that it can be slid into and out of the adjacent glass furnace. When the gathering device slides forward through the opening into the furnace and into the molten glass, this device remains stationary while the required amount of glass is being sucked into the chamber at the end of the gathering device. After this chamber has been sucked full of glass, the gathering device slides back radially of the drum and into normal position, when it is again made to rotate with the drum. In his application Kadow asked for and was allowed certain claims

directed to the peculiar characteristics and functions of the combination just described. Claim No. 31 is typical of this group (claims Nos. 31 to 41 inclusive, 43, 58, 59, and 60) and is here reproduced, as follows:

31. The combination of a moving support, of gathering mechanism carried thereby, means for arresting the travel of said gathering mechanism with said support during the continuance of the movement of said support, and means for returning the gathering mechanism to a position on said support occupied by it before its travel was so arrested.

Before analyzing this count, we briefly will describe the corresponding parts of the Chamberlin machine. He shows a constantly-rotating drum, upon the top of which is pivoted an iron blowpipe. As the drum approaches the glass-gathering pot, the blowpipe is swung horizontally on its vertical pivot so that the forward end of the blowpipe is pointed toward the mouth of the glass pot. The rotation of the drum carries the forward end of the blowpipe into the mouth of the pot. The blowpipe, being pivoted to the drum, is never stationary, although motion is retarded at the moment the end is dipped into the molten glass. Chamberlin, it will be observed, uses an ordinary blowpipe, to the end of which the gather is supposed to adhere, while Kadow has a mold into which a definite amount of glass is sucked. Upon the declaration of the interference, Kadow contended that the limitations in the group of claims to which we have referred accurately applied to his machine, but that they did not apply to the Chamberlin machine, and hence that the interference should be dissolved as to those claims. The Primary Examiner, highly skilled in this art, sustained Kadow's contention, pointing out that the claims originated with Kadow, that the term "arrest" as used by him means to stop suddenly, and that as so used it inaccurately describes Chamberlin's gatherer. The other tribunals of the Patent Office disagreed with the Primary Examiner on this point, but their reasoning does not appeal to us. The Examiner of Interferences took the position that the slowing down of the Chamberlin blowpipe "corresponds to Kadow's 'arrest and resume' mechanism." The Examiners in Chief apparently attributed no importance to the fact that these claims originated with Kadow and ruled "that the Examiner unduly narrowed the meaning of the word 'arrest.'" The Assistant Commissioner also disposed of this point in a summary way and affirmed the Board.

[4, 5] While it is familiar law that in an interference proceeding a claim will be given the broadest interpretation its language reasonably will permit, it is equally clear that an apt limitation adopted by one party will not be disregarded to his disadvantage. Kadow's mechanism, as we have seen, is materially different from that of Chamberlin. Before these claims were drawn Kadow knew exactly how his machine operated; in other words, that his gathering mechanism actually stopped "during the continuance of the movement of said support," and that it remained stationary until the chamber at the end of the gathering mechanism was sucked full of molten glass,

when it again assumed the position on the support "occupied by it before its travel was so arrested." Thus it appears that these claims require the presence of means for arresting the travel of the gathering mechanism, independently of the movement of the support, and means for returning this mechanism to the position on the support it occupied before its travel was so arrested. Giving the language of these claims its natural meaning, and particularly the meaning clearly intended by Kadow, an actual stopping is required. And this is not an arbitrary limitation. The actual arresting of Kadow's gatherer evidently was desired and necessary. Certainly he has provided it. Such arrested motion, however, is not necessary to Chamberlin, because one dip of his blowpipe would be as good as a dozen dips. In other words, it would serve no useful purpose to permit Chamberlin's blowpipe to remain in the molten glass an appreciable length of time. We therefore rule that Chamberlin may not make the claims containing this limitation.

Claims 50, 51, 57, 61 and 62 call for a "variation in the angular movement of the gatherer," or means for "temporarily retarding the motion of the gatherer." As to these claims, we agree with the Patent Office that the limitation is not sufficiently specific to prevent Chamberlin from making them.

Kadow withdraws his appeal as to claims 13, 15, 16, 24, 26, 29, 45 and 53. Claims 7, 8, 9, 10, 11, 27, 28, 48, 49 and 52, or the so-called swinging counts, are directed to the feature of oscillating the spindle to elongate the blank. The difference in dates awarded the two parties by the lower tribunals of the Patent Office was very slight. The Assistant Commissioner found that the date accorded Kadow as to these particular claims was earlier than any date to which Chamberlin was entitled, and we agree with that finding for the reasons he has stated. The testimony was taken many years after the occurrence to which it relates, and, while the witness upon whom Chamberlin relies apparently was conscientious and endeavoring to give his best recollection, we agree with the Assistant Commissioner that in a complicated device of this sort something more than a general idea of means should be disclosed. It was one thing to have the idea of a swinging arm and quite another to embody that idea in concrete form.

It results that the decision is reversed as to claims 31 to 41 inclusive, 43, 58, 59 and 60, but affirmed as to all the other claims.

Reversed in part and affirmed in part.

Court of Appeals of the District of Columbia.

IN RE LANDIS MACHINE COMPANY.

No. 1461. Decided June 2, 1924.

TRADE-MARK—NAME OF APPLICANT.

Applicant's name, written within a diamond-shaped border, the middle letters being of a height substantially equal to the height of the center of the diamond and the other letters decreasing toward each end, is not registrable.

Mr. E. W. Bradford for Landis Machine Co.

Mr. T. A. Hosteller for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

PER CURIAM:

Appeal from a Patent Office decision refusing to register as a trade-mark the name "Landis," written within a diamond-shaped border, the middle letters being of a height substantially equal to the height of the center of the diamond and the other letters decreasing toward each end.

This case is ruled by our decision in *National Cigar Stands Co. v. Frishmuth Bro. & Co., Inc.*, No. 1,624, present term; 324 O. G. 675.

The decision is affirmed.

Affirmed.

Supreme Court of the United States.

THE BALDWIN COMPANY v. ROBERTSON AS COMMISSIONER OF PATENTS AND R. S. HOWARD COMPANY.

Decided May 26, 1924.

1. TRADE-MARKS—CANCELLATION—REMEDY BY BILL IN EQUITY UNDER SECTION 4915, REVISED STATUTES—CONSTRUCTION OF SECTION 9 OF THE TRADE-MARK ACT OF 1905.

Section 9 of the Trade-Mark Act of 1905 gives to one defeated by the Commissioner of Patents as a party to an application for the cancellation of the registration of a trade-mark, after an unsuccessful appeal to the Court of Appeals of the District of Columbia, a right to resort to an independent bill in equity against the Commissioner to prevent cancellation.

2. SAME—APPLICANTS ENTITLED TO REMEDY BY BILL IN EQUITY UNDER SECTION 4915, REVISED STATUTES—CONSTRUCTION OF SECTION 9 OF TRADE-MARK ACT OF 1905.

The applicants in section 9 of the Trade-Mark Act of 1905 are of four kinds, and to each of them were intended to be accorded the same resort to the Court of Appeals of the District of Columbia and the same remedy by bill in equity as to the application for a patent under section 4915, Revised Statutes.

3. SAME—CANCELLATION—REMEDY BY BILL IN EQUITY—DELAY IN FILING BILL.

Where the applicant for cancellation appealed to the Supreme Court of the United States from an adverse decision of the Court of Appeals of the District of Columbia, and within 30 days after the appeal was dismissed he filed a bill in equity under section 4915, Revised Statutes, held that the delay in filing the bill of more than two years after the decision of the Court of Appeals was justified by the appeal to the Supreme Court of the United States, which was dismissed.

APPEAL from the Court of Appeals of the District of Columbia.

Mr. Frederic D. McKenney, with whom Mr. John Spalding Flannery, Mr. Lawrence Maxwell, and Mr. John E. Cross were on the brief, for the appellant. Mr. Samuel S. Watson for the appellees.

Mr. Chief Justice TAFT delivered the opinion of the Court.

The Baldwin Company filed its bill in the Supreme Court of the District of Columbia against the Commissioner of Patents, seeking to enjoin that officer

from cancelling two registrations of trade-marks for pianos of which the complainant claims to be the rightful owner. The trade-marks were one for the word "Howard," accompanied by the initials V. G. P. Co. arranged in a monogram dated March 8, 1898, (registration No. 31,411), and the other the word "Howard" printed or impressed in a particular and distinctive manner dated October 17, 1905 (registration No. 46,993). The R. S. Howard Company came into the case as an intervener and filed an answer denying the right of the complainant to continue to enjoy such registrations and resisting the injunction to prevent the cancellation. The Commissioner of Patents as defendant also filed an answer denying the right of the complainant to the relief sought. The intervener also filed a motion to dismiss the bill for lack of jurisdiction in the court to entertain it. The court denied the motion to dismiss the bill and enjoined the cancellation pending the final disposition of the cause. An appeal from this interlocutory order was taken under section 7 of the act of February 9, 1893, establishing the Court of Appeals for the District of Columbia (27 Stat. 434, ch. 74). The court of appeals reversed the supreme court and remanded the cause with instructions to dismiss the bill. Appeal to this Court was sought and allowed under section 250 of the Judicial Code, which provides as follows:

Any final judgment or decree of the Court of Appeals of the District of Columbia may be reexamined and affirmed, reversed, or modified by the Supreme Court of the United States, upon writ of error or appeal, in the following cases:

First. In cases in which the jurisdiction of the trial court is in issue; but when any such case is not otherwise reviewable in said Supreme Court, then the question of jurisdiction alone shall be certified to said Supreme Court for decision.

Sixth. In cases in which the construction of any law of the United States is drawn in question by the defendant.

The errors assigned were the holding that the supreme court was without jurisdiction to entertain the suit, and the direction to dismiss the bill on that account. In addition to the appeal, the appellee in the court of appeals petitioned for a certiorari, which is now pending.

As the decree of the court of appeals directs the dismissal of the bill for lack of jurisdiction, it is a final decree. *Shaffer v. Carter*, 252 U. S. 37, 44. As the court based its conclusion upon the construction of section 9 of the Trade-Mark Act (33 Stat. 727), and section 4915, Revised Statutes, which was specifically drawn in question by the intervener, and necessarily by the defendant in his answer in denying the complainant's right to relief as claimed by him in his bill under said two sections, we think the appeal was rightly allowed and that the petition for certiorari should be denied.

The controversy between the parties litigant has had several phases. In August, 1914, R. S. Howard & Company sought to cancel the registration of the two trade-marks of Baldwin & Company, already referred to, by application to the Commissioner. The Commissioner refused, but upon appeal to the court of appeals of the District, the decision of the Commissioner was reversed and this was duly cer-

tified to the Commissioner. 326 O. G. 685; 48 D. C. App. 437. The Baldwin Company appealed to this Court and filed an application for a certiorari as well. The appeal was dismissed and the certiorari denied on the ground that the certificate of the court of appeals to the Commissioner was not a final judgment, reviewable here upon appeal or certiorari. 256 U. S. 35; 286 O. G. 865. This was April 11, 1921, and on May 7, 1921, the Baldwin Company filed the original bill in this case in the supreme court of the District against the Commissioner of Patents, seeking an injunction against the cancelling of the trade-marks in question. By an amended bill, there was set forth the record in a suit between R. S. Howard & Company and Baldwin & Company in New York, resulting in an injunction against the use of the word Howard without prefix or suffix by the R. S. Howard Company in sales of pianos. 233 Fed. 439; 238 Fed. 154.

The main question we have here to consider is whether by the statutes applicable to procedure in settling controversies over the registration of trade-marks in interstate and foreign trade, a remedy by bill in equity to enjoin the Commissioner of Patents from cancelling a registered trade-mark is given to the owner of the trade-mark so registered. We are to find the answer in section 9 of the Trade-Mark Act (33 St. 727, ch. 592) and in section 4915 of the Revised Statutes. Section 9 provides as follows:

That if an applicant for registration of a trade-mark, or a party to an interference as to a trade-mark, or a party who has filed opposition to the registration of a trade-mark, or party to an application for the cancellation of the registration of a trade-mark, is dissatisfied with the decision of the Commissioner of Patents, he may appeal to the Court of Appeals of the District of Columbia, on complying with the conditions required in case of an appeal from the decision of the Commissioner by an applicant for a patent, or a party to an interference as to an invention, and the same rules of practice and procedure shall govern in every state of such proceedings, as far as the same may be applicable.

Section 4915 Revised Statutes provides as follows:

Whenever a patent on application is refused, either by the Commissioner of Patents or by the Supreme Court of the District of Columbia upon appeal from the Commissioner, the applicant may have remedy by bill in equity; and the court having cognizance thereof, on notice to adverse parties and other due proceedings had, may adjudge that such applicant is entitled, according to law, to receive a patent for his invention, as specified in his claim, or for any part thereof, as the facts in the case may appear. And such adjudication, if it be in favor of the right of the applicant, shall authorize the Commissioner to issue such patent on the applicant filing in the Patent Office a copy of the adjudication, and otherwise complying with the requirements of law. In all cases, where there is no opposing party, a copy of the bill shall be served on the Commissioner; and all the expenses of the proceeding shall be paid by the applicant, whether the final decision is in his favor or not.

We have held that the assimilation of the practice in respect of the registration of trade-marks to that in securing patents as enjoined by section 9 of the Trade-Mark Act makes section 4915, Revised Statutes, providing for a bill in equity to compel the Commissioner of Patents to issue a patent, applicable to a petition for the registration of a trade-mark when rejected by the Commissioner. *American Steel Foundries v. Robertson, Commissioner of Patents*, 262 U. S. 209; 324 O. G. 963; *Baldwin Company v. Howard Company*, 256 U. S. 35, 39; 286 O. G. 865; *Atkin & Company v. Moore*, 212 U. S. 285, 291; 142 O. G. 571.

The present case presents this difference. The defeated party in the hearing before the Commissioner is not asking registration of a trade-mark but is seeking to prevent the cancellation of trade-marks already registered. Section 9 provides for appeals to the District court of appeals not only for a defeated applicant for registration of a trade-mark, but also for a dissatisfied party to an interference as to a trade-mark, a dissatisfied party who has filed opposition to the registration of a trade-mark and a dissatisfied party to an application for the cancellation of the registration of a trade-mark. It seems clear that the complainant below was a dissatisfied party to an application for the cancellation of the registration of a trade-mark. We think that both the applicant for cancellation and the registrant opposing it are given the right of appeal to the District court of appeals under that section.

[1] The next inquiry is whether in addition to such appeal and after it proves futile, the applicant is given a remedy by bill in equity as provided for a defeated applicant for a patent in section 4915 Revised Statutes. We have in the cases cited given the closing words of section 9 a liberal construction in the view that Congress intended by them to give every remedy in respect to trade-marks that is afforded in proceedings as to patents, and have held that under them a bill of equity is afforded to a defeated applicant for trade-mark registration just as to a defeated applicant for a patent. It is not an undue expansion of that construction to hold that the final words were intended to furnish a remedy in equity against the Commissioner in every case in which by section 9 an appeal first lies to the court of appeals. This necessarily would give to one defeated by the Commissioner as a party to an application for the cancellation of the registration of a trade-mark, after an unsuccessful appeal to the advisory supervision of the court of appeals, a right to resort to an independent bill in equity against the Commissioner to prevent cancellation.

[2] It is pointed out as militating against our interpretation of section 9 and an assimilation of trade-mark procedure to that in the case of patents that after a patent issues, there is no proceeding provided by which a patent can be cancelled except on suit of the United States. *Mowry v. Whitney*, 14 Wall. 434, 439; *United States v. Bell Tel. Co.*, 128 U. S. 315, 368, 370; 45 O. G. 1311; *United States v. Am. Bell Tel. Co.*, 159 U. S. 548, 555; 73 O. G. 665; *Briggs v. United Shoe Machine Co.*, 239 U. S. 48, 50; 221 O. G. 339. That is true, but a registration of a trade-mark may be cancelled, and the purpose of Congress by section 9 of the Trade-Mark Act was to give to defeated applicants in the court of appeals the same resort to a court of equity as was given to defeated applicants for patents so far as the same was applicable. The applicants in section 9 were of four kinds and to each of them were intended to be accorded the same resort to the court of appeals and the same remedy in equity as to the applicant for a patent in section 4915. The inherent differences between

trade-marks and patents should not prevent our giving effect to the remedial purpose of Congress in carrying out the analogies between the two classes of privileges to secure a common procedure.

The argument is made that section 9 should not be held to authorize the use of a suit in equity for all of the four cases in which appeals are provided to the court of appeals from the Commissioner and are unsuccessful, because by section 22 of the same act there is a special provision for a remedy in equity where there are interfering registered trade-marks. It is said this excludes the inference that such a remedy is also provided in section 9, on the principle *expressio unius exclusio alterius*. An examination of section 22 shows that it refers to an independent suit between claimants of trade-marks both of which have already been registered. The Commissioner is not a party to such litigation but is subject to the decree of the court after it is entered. It is just like the proceeding in section 4918 to settle controversies between interfering patents already granted by the Patent Office. Section 9 of the Trade-Mark Act is wider than section 22 in its scope. It includes one who applies for registration of an unregistered trade-mark which interferes with one already registered.

On the whole, we think that our decision in *American Steel Foundries Co. v. Robertson*, 262 U. S. 209, leads us necessarily to sustain the jurisdiction of the supreme court of the District to entertain this bill.

[3] Finally it is objected that this bill was not in time. It was filed more than two years and two months after the decision of the court of appeals in the first appeal from the Commissioner of Patents. It is contended that under *Gandy v. Marble*, 122 U. S. 432; 39 O. G. 413, section 4894 Revised Statutes applies to any bill in equity under section 4915 and compels the dismissal of the bill if it is not prosecuted within one year after the adverse decision in the court of appeals, unless it appears to the satisfaction of the court that the delay was unavoidable. *In re Hien*, 166 U. S. 432, 438; 79 O. G. 507; *American Steel Foundries v. Robertson*, 262 U. S. 209, 212, 213. There was here, however, justification for the delay in the appeal taken to this Court which was dismissed. 256 U. S. 35. That decree was entered April 11, 1921, and this bill was filed within 30 days thereafter. We think there was no laches or abandonment.

The decree of the court of appeals is reversed and the cause is remanded to the supreme court of the District for further proceedings.

Dissenting, Mr. Justice McREYNOLDS.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

864,314, J. A. Le Roy, Independent framing device for kinetoscopes, suit filed Aug. 26, 1924, D. C., S. D. N. Y., Doc. E 30/117, *J. A. Le Roy v. The De Vry Corp.*

879,532, L. de Forest, Space telegraphy, suit filed Aug. 28, 1924, D. C., S. D. N. Y., Doc. E 30/127, *Radio Corp. of America v. T. Spinnee et al.*

1,016,928, H. B. Bishop, Cleansing fabric, suit filed July 14, 1924, D. C., S. D. N. Y., Doc. E 30/4, *H. B. Bishop et al. v. Sands & Ross*. Final decree in favor of plaintiff, adjudging infringement and granting injunction, filed Aug. 23, 1924.

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Aug. 26, 1924, D. C., S. D. N. Y., Doc.

E 30/118, *Westinghouse Electric & Mfg. Co. et al. v. Radio Receptor Co., Inc., et al.*

1,050,728. (See 1,050,441.)

1,113,149. (See 1,050,441.)

1,124,553, Wilson & Sumner, Tool for capping and double seaming cans; 1,203,295, same, Can-heading machine; 1,250,406, same, Can-top-feeding device; 1,301,348, same, Can-feeding device, suit filed Dec. 6, 1921, D. C., S. D. Calif., Doc. F-72 B, *R. O. Wilson v. Angelus Sanitary Can Machine Co.* Letters Patent 1,301,348 and 1,250,406 held not infringed; 1,203,295 held valid and entitled to a broad interpretation, infringed as to claims 2 and 4; Patent 1,124,553 withdrawn by plaintiff and dismissed by decree (notice dated Aug. 7, 1924).

1,177,079, P. Agrillo, Chain, decree of district court reversed and claim 2 of patent held valid and infringed, opinion filed May 20, 1924, C. C. A. (7th Cir.), Doc. 3222, *Victory Belt Co. v. Marshall Field & Co.*

1,184,254, P. McBean, Die for the manufacture of tiles; 1,289,492, same, Roofing tile, suit filed Aug. 28, 1924, D. C., N. D. Calif., Doc. 1334, *Gladding, McBean & Co. v. N. Clark & Sons*.

1,198,090, T. L. White, Transmission band, suit filed Aug. 26, 1924, D. C., Ill. (S. Div.), Doc. 409, *Gemco Mfg. Co. v. Hoffman Mfg. Co. et al.*

1,203,295. (See 1,124,553.)

1,248,222, W. Weckesser, Insulated reflector, suit filed Aug. 22, 1924, D. C., S. D. N. Y., Doc. E 30/113, *The Tinsel Corp. v. Deaf Electric Co., Inc.*

1,250,406. (See 1,124,553.)

1,252,469. (See 1,331,272.)

1,289,492. (See 1,184,254.)

1,301,348. (See 1,124,553.)

1,307,734, A. V. Gullberg, Lubricating means; 1,401,765, E. W. Davis, Lubricating system; Re. 14,667, F. D. Winkley, same; 1,459,662, C. W. Manzell, same, suit filed Aug. 25, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1275, *The Bassick Mfg. Co. v. Peerless Automatic Machine Co.*

1,331,272, 1,433,901, 1,252,469, S. Marcus, Artificial eyes for dolls, display figures, etc., suit filed Aug. 28, 1924, D. C., S. D. N. Y., Doc. E 30/126, *F. & M. Novelty Co., Inc. v. Overland Metal Novelty Co., Inc.*

1,365,970, M. H. Elvidge, Roofing; 1,414,778, same, Roofing material, suit filed Sept. 2, 1924, D. C., S. D. N. Y., Doc. E 30/131, *M. H. Elvidge v. Beaver Products Co., Inc.*

1,379,008, A. B. Frenier, Temperature-producing mechanism and controlling means therefor, Final consent decree for plaintiff July 29, 1924, D. C., E. D. Wis., Doc. 1381 C. D., *A. B. Frenier v. The Juttner Heating Co.*

1,401,765. (See 1,307,734.)

1,414,778. (See 1,365,970.)

1,433,901. (See 1,331,272.)

1,459,662. (See 1,307,734.)

1,491,842, R. Blank, Fireproof waste can, suit filed Aug. 29, 1924, D. C., E. D. Mich., Doc. 804, *Solar-Sturges Mfg. Co. v. Economy Baler Co. et al.*

1,494,086, J. A. Weill, Corset, suit filed May 27, 1924, D. C., S. D. N. Y., Doc. E 29/229, *The Strouse Corset Co., Inc. v. The Thompson Barlow Co., Inc., et al.*

1,496,724, L. J. Mirsky, Reenforced hosiery, suit filed July 29, 1924, D. C., E. D. Wis., Doc. 1451 C. D., *L. J. Merske v. Holeproof Hosiery Co.*

Re. 14,667. (See 1,307,734.)

Re. 15,873. (See Re. 15,874.)

Re. 15,874, J. A. Heidbrink, Apparatus for delivering a mixture of gases; Re. 15,873, same, Anaesthetic

apparatus; suit filed Aug. 19, 1924, D. C., E. D. Wis., Doc. 1461, C. D., J. A. Heidbrink et al. v. C. H. Hardessen Co.

ADJUDICATED PATENTS.

(U. S. D. C. N. Y.) 993,816, Beltman patent for windshield cleaner, Held valid, but not infringed. Outlook Co. v. Malco Products Corp., 299 Fed. Rep. 996.

(U. S. D. C. Me.) 1,339,462, Lionne patent for process of protecting shoes from soiling during manufacture, Held void for want of invention and prior use. Lionne Co. v. Cushman-Holts Co., 299 Fed. Rep. 983.

(U. S. D. C. N. Y.) 1,422,158, Williams patent for means for connecting two elements, Held void for lack of invention. Outlook Co. v. Malco Products Corp., 299 Fed. Rep. 996.

Notice of Cancellation.

U. S. PATENT OFFICE, Washington, Sept. 17, 1924.
Ernest T. Wix, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Dae Health Laboratories, Inc., 113 West Eighteenth Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Ernest T. Wix, 1212 Pierce Street, Sioux City, Iowa, doing business as Wixated Iron Co., No. 179,169, dated February 5, 1924, and the notice of such proceeding sent by registered mail to the said Wix at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Wix, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Changes in Classification.

Order No. 2879, September 18, 1924, provides:

In class 48, Gas, Heating and Illuminating (Division 31), abolish the following subclasses with their definitions, the patents formerly contained therein having been placed for the most part in class 23, Chemistry, as reclassified in this order, and in other subclasses in class 48:

- | |
|----------------------------------|
| Generators |
| 114 Hydrogen |
| 115 Series |
| 118.1 Cupola |
| 118.2 Retort |
| Processes |
| 198 Hydrogen |
| Acetylene |
| 218 Treatment of calcium carbide |

(Note.—Attention is called to the fact that the title "Hydrogen," formerly numbered 114, still controls subclasses 116, 117, and 118 indented thereunder, and that the title "Hydrogen," formerly numbered 198, still controls subclass 199 indented thereunder.)

In class 48, Gas, Heating and Illuminating (Division 31), subclass 85, Generators, Cupola, Carbon monoxide, cancel the existing definition and substitute the following:

Apparatus for making and carburizing and processes for carburizing or making carburized carbon monoxide.

Note.—See class 23, CHEMISTRY, subclass 204, Compounds, Binary compounds, where processes of making pure carbon monoxide are classified.

In class 48, Gas, Heating and Illuminating (Division 31), subclass 61, Generators, add to the definition the following note:

Note.—This subclass contains high-temperature apparatus for generating hydrogen. Wet generators are found in class 23, CHEMISTRY, subclass 282, Apparatus, Generators, Wet.

In class 75, Metallurgy (Division 3), abolish subclass—
19 Pigment.

The patents formerly contained in this subclass have been placed for the most part in class 23, Chemistry, as reclassified in this order, and class 134, Liquid Coating Compositions.

In class 134, Liquid Coating Compositions (Division 50), abolish the following subclasses with their definitions, the patents formerly contained therein having been placed for the most part in class 23, Chemistry, as reclassified in this order, and in other subclasses in class 134:

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|---------------------|
| Paint |
| Pigments |
| 68 Lead salts |
| Attrition process, |
| Dry process |
| 69 Carrier |
| 70 Stack |
| 71 Pots |
| Wet process |
| 73 Alkali |
| 74 Ammonium acetate |
| 75 French |

In class 134, Liquid Coating Compositions (Division 50), change the title of subclass 78.6, Saturating or indurating, Wood or pulp products only, to read:

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|--------------------------------------|
| Saturating or indurating |
| 78.6 Fabric, wood, or pulp products. |

Additional patents have been placed in this subclass from class 23, Chemicals, subclass 5, Fire-extinguishing compounds, abolished in this order, and class 134, Liquid Coating Compositions, subclass 44, Paint, Fireproof.

In class 134, Liquid Coating Compositions (Division 50), subclass 67, Paint, Pigments, Lead salts, in the second line of the definition cancel the words "and apparatus," and in the fourth and fifth lines cancel the words "also some oxides."

In class 183, Gas Separation (Division 25), abolish the following subclasses with their definitions, the patents formerly contained therein having been placed for the most part in class 23, Chemistry, as reclassified in this order:

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|---------------------|
| Processes |
| 116 Chemical |
| 117 Liquid material |
| 118 Solid material |

In class 183, Gas Separation (Division 25), subclass 114, Processes, cancel the existing definition and substitute the following:

Processes of separating gases by physical methods.

In class 252, Substance Preparation (Division 6), establish subclasses—

- | |
|--------------------|
| Absorbents |
| 2.5 Gas purifying |
| 9 Flotation agents |

The patents contained in subclass 2.5 have been taken for the most part from class 183, Gas Separation, and those contained in subclass 9 have been taken for the most part from class 252, Substance Preparation, subclass 1, Miscellaneous, and include reagents that modify the surfaces of either solid or fluid, so as to permit or facilitate carrying of solids by the fluid.

In class 260, Chemistry, Carbon Compounds (Division 6), abolish the following subclass with its definition, the patents formerly contained therein having been placed for the most part in class 23, Chemistry, as reclassified in this order:

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| 173 Apparatus. |
|-----------------------|

In class 260, Chemistry, Carbon Compounds (Division 6), in the main class definition, in the third and fourth lines of the fourth paragraph, cancel the words "and apparatus designed to carry out such processes not otherwise provided for," and in the eighteenth note, beginning with the words "Class 204," add the following sentence:

The line between class 204 and class 260 follows that of the parent class, 23, CHEMISTRY, which see.

Class 23, Chemicals (Division 6), has been reclassified and the title changed to class 23, Chemistry, with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification.

Lists of subclasses with definitions may be seen at the Classification Division, Room 165.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 7, 1924.

[VOL. 327, No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 143,296. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELLI LILLY & COMPANY, now by change of name ELLI LILLY & COMPANY, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 7, 1921.

Ser. No. 153,910. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE AUTOPIANO COMPANY, New York, N. Y. Filed Oct. 10, 1921.

MONO PLAYER

The word "Player" per se is not claimed as part of the trade-mark.

Particular description of goods.—Player Pianos.
Claims use since Aug. 25, 1921.

Ser. No. 163,449. (CLASS 38. PRINTS AND PUBLICATIONS.) B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Filed May 6, 1922.



Particular description of goods.—Woven Labels and Tags for Articles of Manufacture Made from "Fruit of the Loom" Textiles.
Claims use since July, 1921.

Ser. No. 166,078. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MURRAY C. KALIS, St. Joseph, Mo. Filed June 26, 1922.

"FLU-CAPS"

Particular description of goods.—Capsules for Colds and Influenza.
Claims use since Sept. 15, 1918.

DULCETS

Particular description of goods.—Medicated, Sweetened, and Flavored Tablets Containing as the Medicinal Agents Benzyl Stearate or Phenolphthalein.
Claims use since about Jan. 3, 1921.

Ser. No. 145,935. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOSTON CONFECTIONERY COMPANY, Cambridge, Mass. Filed Apr. 9, 1921.

FASHIONED BY HAND

—THE FINEST OF CHOCOLATES—

FASCINATING CYNTHIA SWEETS

A FULL POUND

BOSTON CONFECTIONERY CO., CAMBRIDGE, MASS.

The lining upon the drawing appears in the conventional manner to indicate various colors, but no claim is made in this application to any specific colors. The descriptive matter upon the drawing is disclaimed—namely, all words and phrases excepting "Fascinating Cynthia."

Particular description of goods.—Confectionery—Namely, Chocolates.
Claims use since on or about Mar. 28, 1921.

Ser. No. 168,637. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GLOBE PHONE MANUFACTURING COMPANY, Reading, Mass. Filed Aug. 24, 1922.



Particular description of goods.—One-Way Telephones and Ear Phones for Use in Aiding Defective Hearing, Stethoscopes, and Parts Therefor.
Claims use since 1889.

Ser. No. 168,916. (CLASS 12. CONSTRUCTION MATERIALS.) CEMENT FINISH CO., INC., New York, N. Y. Filed Aug. 31, 1922.



Particular description of goods.—Cement Floors, Nailing Base for Concrete, Metallic Finished Floors, Various-Colored Floors, Magnesite Floors, Mastic Floors, Cement Floors, and Walls Containing Hydrolithic or Other Waterproofing Compounds.
Claims use since June 1, 1919.

Ser. No. 171,293. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) VACUUM OIL COMPANY, New York, N. Y. Filed Oct. 27, 1922.

SOLENE

Particular description of goods.—Mixture of Petroleum Oils Used in the Manufacture of Sole Leather.
Claims use since June 7, 1922.

Ser. No. 174,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Jan. 11, 1923.

FLEURETTE

Particular description of goods.—Lip Pencils.
Claims use since Aug. 8, 1916.

Ser. No. 174,525. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELEN DEVINE MILLER, doing business as Richard G. Miller Estate, Falfurrias, Tex. Filed Jan. 12, 1923.



The drawing is lined to indicate red color. No claim is made to the exclusive use of the words "Richard G. Miller" and "Falfurrias, Texas, Grower and Shipper," apart from the mark as shown.

Particular description of goods.—Fresh Oranges and Grapefruit.
Claims use since Jan. 19, 1922.

Ser. No. 176,587. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WESTGATE METAL PRODUCTS CO., Oakland, Calif. Filed Feb. 24, 1923.

Westgate

Particular description of goods.—Electric Cooking Stoves, Ranges, and Cookers; Air Heaters, Electrical Water Heaters, Electric Motors.
Claims use since May 3, 1922.

Ser. No. 179,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD FASHIONED MILLERS, INC., St. Paul, Minn. Filed Apr. 28, 1923.



The phrase "All O' the Wheat," occurring twice, is hereby disclaimed except in combination with the mark

shown, applicant, however, not waiving any common-law rights in the mark as a whole. The conventional lining appearing on the drawing is for purposes of shading only.

Particular description of goods.—Wheat Cereal.
Claims use since about 1909.

Ser. No. 180,703. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALLEN FORD JENNINGS, Chicago, Ill. Filed May 16, 1923.

SMOKAWAE



No claim is made for the representation of the apparatus apart from the other features of the mark.

Particular description of goods.—Apparatus to Clear Air of Smoke and Odors and to Vaporize Perfume.
Claims use since November, 1922.

Ser. No. 180,987. (CLASS 38. PRINTS AND PUBLICATIONS.) RIDGEWAY & HOPKINS, Los Angeles, Calif. Filed May 22, 1923.

The Standard

Particular description of goods.—Casting Directors Directory for Moving Pictures.
Claims use since about January, 1923.

Ser. No. 181,219. (CLASS 38. PRINTS AND PUBLICATIONS.) PLUMMER PUBLICATIONS, INC., New York, N. Y. Filed May 20, 1923.

NATIONAL FINANCIAL NEWS

Particular description of goods.—Weekly Newspaper.
Claims use since May 7, 1923.

Ser. No. 182,228. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWO IN ONE CONFECTION COMPANY, Latrobe, Pa. Filed June 19, 1923.

2 TWO 1 IN ONE

Particular description of goods.—Confection Comprising Puffed Wheat, Nuts, and a Syrup Which Binds the Ingredients Together.
Claims use since May 1, 1923.

Ser. No. 182,402. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DEPOLIER WATCH COMPANY, INC., Brooklyn, N. Y. Filed June 25, 1923.



Applicant disclaims any exclusive right to the representation of a watch balance apart from the other features of the mark shown on the drawing.

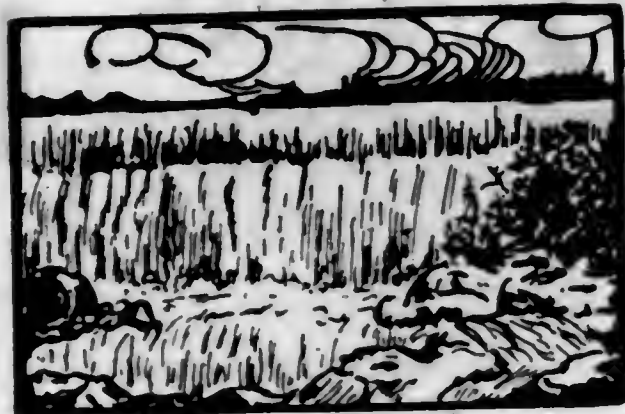
Particular description of goods.—Watches.
Claims use since March, 1923.

Ser. No. 182,424. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOURNAY, INC., Wilmington, Del., assignor to The Chapdon Company, a Corporation of Delaware. Filed June 25, 1923.

Monte Carlo

Particular description of goods.—Rouge, Lip Stick, and Face Powder.
Claims use since Oct. 25, 1922.

Ser. No. 182,557. (CLASS 39. CLOTHING.) ALLARD & Co., Buenos Aires, Argentina. Filed June 29, 1923.



IGUAZU

Particular description of goods.—Stockings, Hosiery, Underwear, Sandals, Boots, Shoes, Insoles, Heels for Boots and Shoes, Hats, Caps, Leggings, Corsets, and Neckties.

Claims use since July 30, 1921.

Ser. No. 182,852. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRAD CORPORATION OF AMERICA, New York, N. Y. Filed July 6, 1923.



Particular description of goods.—Radio Equipment, Comprising Receiving Sets and Parts Thereof.

Claims use since June 6, 1923.

Ser. No. 184,267. (CLASS 12. CONSTRUCTION MATERIALS.) FRANK SCHMITT & COMPANY, Portland, Oreg. Filed Aug. 9, 1923.



Particular description of goods.—Cabinet Work and Millwork—viz, Sash and Doors: Wood Sash and Doors and Cupboard Sash and Doors, Glazed; Astragals and Chasing Bands When Shown or Specified; Screen Doors, Screens for Windows and Sash, and Removable Porch and Vent Screens of Standard Wood and Wire Construction, Wired. Unless Otherwise Specified, 14-Mesh Galvanized Screen Cloth will be Furnished. Shutters of Slat or Paneled Type, Exterior Gates and Garage Doors, Top Flat Surfaces of All Woodwork Drum Sanded Only. Interior Millwork, Wood Trim, as Follows: Door and Window Casing, Apron Stool, Stops, Jambs, Jamb Linings, Base, Base Shoe, Chair Rail, Wainscot Cap, Ceiling-Beam Boxing and Cornice, Wainscot Boards and Battens, Closet Shelving and Pole, Hook Strip and Shelf Cleats, Plinth Material, Threshold, Blackboard Trim and Chalk Trough, Sanitary Base Cove, Stage or Balcony Facia Moldings, Cap, Fillet, Neck, Picture and Wire Moldings, to be Furnished When Shown or Specified, Mill-Run: Special Items of Millwork Such as Turned or Shaped Corner and Plinth Blocks, Spindles, Closet-Pole Rosettes, and Miscellaneous Band-Sawed and Machine-Shaped Wood Finish, to be Machined as Far as Practical; Columns, Pilasters, Mill Built as Far as Practical; Paneled Wainscoting Other Than Boards and Battens, Built in Sections, Cap and Base Members, Mill-Run: Case or Cabinet Work Built: Where Too Large to Pass Through Ordinary Door Opening to be Made in Sections: Face Frames for Skeleton Cases, Built: Jambs, Shelves, Cleats, Etc., Knocked Down; Stairs, Knocked Down—i. e., Detail Starting Treads, Built Up Complete and Assembled; Newels, Built Up but Not Housed; Strings Housed; Return Nosings on Open Treads, Attached: Rail Crooks, Easements, Etc., Made and Attached to One End of Straight Rail; Balusters, Square Unless Otherwise Shown or Specified; Treads and Risers, Cut to Approximate Length; Skirting, Scotia, Nosings, Soffit, and Molds, Mill-Run: Top Flat Surfaces of All Interior Wood Trim Drum Sanded Where Practical. Exterior Millwork: Exterior Door, Window, Sash, and Screen Porch Frames of Wood Construction, Built; Exterior Vent and Louver Frames Built Where Practical and Screened on Back When Shown or Specified; Columns, Pilasters, Brackets, Etc., Mill Built as Far as Practical; Molded or S4S Material, Band-Sawed or Machine-Shaped Members, Mill-Run: Exposed Store-Front Frames and Trim, Exclusive of Rough Work, Mill-Run: Molded or S4S Casing for Trusses, Beams, or Rafters, Mill-Run: Pergola Material, S4S or Band Sawed Only; Treads, Risers, Face Strings, Newels, and Molds, for Stair Work; Pedestals, Newels, Rails and Balusters for Balustrades.

Claims use since May 1, 1922.

Ser. No. 184,317. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Aug. 11, 1923.

WELLSWORTH MERCHANDISER

Particular description of goods.—Monthly Magazines or Periodicals.

Claims use since July 2, 1923.

Ser. No. 185,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Sept. 1, 1923.

BOVINOL

Particular description of goods.—Petroleum Oil for Spraying Livestock.

Claims use since Aug. 20, 1923.

Ser. No. 186,213. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ALEXANDER BERNSTEIN, doing business as Adisplay, New York, N. Y. Filed Sept. 26, 1923.

ADISPLAY

Particular description of goods.—Display Apparatus comprising a Frame Work Within Which Appears a Pictorial Representation, Either in the Flat or in Relief.

Claims use since July 1, 1923.

Ser. No. 186,434. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN T. MILLIKEN & COMPANY, St. Louis, Mo. Filed Oct. 1, 1923.



Particular description of goods.—Fluid Extract Cascara Sagrada, Granular Effervescent Sodium Phosphate, Zinc Stearate, Tincture Iodine, Spirits Camphor, Elixir Buchu, Juniper, and Potassium Acetate; Spirits Nitrous Ether; Elixir Lactated Pepsin; Elixir Iron, Quinine, and Strychnine Phosphate; Elixir Salicylic-Acid Compound; Elixir Iron, Quinine, and Strychnine; Syrup White-Pine Compound; Beef, Iron, and Wine N. F.; Solution Magnesium Sulphate, Aromatic Elixir, Ammonium Acetate, Donovan's Solution, Essence Pepsin, Milk of Bismuth, Ointment Chrysoform, Liniment Soap, Liniment Chloroform, Solution Alkaline Antiseptic.

Claims use since Apr. 15, 1923.

Ser. No. 186,808. (CLASS 39. CLOTHING.) THE STONE AND WILLIAMS COMPANY, Columbus, Ohio. Filed Oct. 10, 1923.



No claim is made for the words "Made for Comfort" apart from the other features of the mark.

Particular description of goods.—Men's and Boys' Dress Shirts, Work Shirts, Nightshirts, Pyjamas, and Athletic Underwear, Knitted and Textile.

Claims use since about Sept. 1, 1923.

Ser. No. 187,614. (CLASS 32. FURNITURE AND UP-HOLSTERY.) THE FIBERLOID CORPORATION, Indian Orchard, Mass. Filed Oct. 29, 1923.

Giftware of FIBERLOID

Without waiving any of its common-law rights, applicant disclaims an exclusive right to the word "Giftware" apart from the mark shown in the drawing.

Particular description of goods.—Hand Mirrors Made of Pyroxylin.

Claims use since Apr. 1, 1923.

Ser. No. 187,615. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE FIBERLOID CORPORATION, Indian Orchard, Mass. Filed Oct. 29, 1923.

Giftware of FIBERLOID

Without waiving any of its common-law rights, applicant disclaims an exclusive right to the word "Giftware" apart from the mark shown in the drawing.

Particular description of goods.—Shoe Horns, Button Hooks, Glove Stretchers, and Combs, All Made of Pyroxylin.

Claims use since Apr. 1, 1923.

Ser. No. 188,671. (CLASS 39. CLOTHING.) H. & L. EPSTEIN INC., St. Louis, Mo. Filed Nov. 22, 1923.



Particular description of goods.—Topcoats and Raincoats.

Claims use since July 1, 1923.

Ser. No. 190,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. WHERRETT, doing business as Takit Company, Baltimore, Md. Filed Dec. 29, 1923.



Particular description of goods.—Headache Powders.
Claims use since Aug. 7, 1923.

Ser. No. 191,166. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHIVERS & SONS, LIMITED, Histon, Cambridge, England. Filed Jan. 23, 1924.



Without waiving any rights at common law, applicant disclaims any attempt to cover in this registration the wording shown apart from its corporate name, except in the precise style, relation, and association in which such wording appears in the specimens and drawing. The lining is for purpose of shading only.

Particular description of goods.—Marmalade.
Claims use since January, 1908.

Ser. No. 191,202. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET, doing business as Laurence A. Sweet Manufacturing Co., Los Angeles, Calif. Filed Jan. 23, 1924.

THE CAP WITH THE BLACK TIPS

Particular description of goods.—Radiator Caps.
Claims use since November, 1922.

Ser. No. 191,326. (CLASS 39. CLOTHING.) CHS. LAMY & Co., Hamburg, Germany. Filed Jan. 26, 1924.



Particular description of goods.—Hats and Caps for Men, Women, and Children; Boots, Shoes, and Gloves of Leather, Rubber, Fabric, and Combinations Thereof; Ties and Cravats, Shawls, and Scarfs for Personal Wear; Dress, Negligee, Work, and Under Shirts; Underwear of Knitted and of Textile Fabric for Men, Women, and Children; Hosiery for Men, Women, and Children; Outer Skirts and Underskirts for Women; Nightshirts and Pyjamas for Men, Women, and Children; Overcoats, Ulsters, Coats, Waistcoats, and Trousers for Men and Boys; Jackets and Waistcoats for Women; Bathing Suits and Bathing Gowns for Men, Women, and Children; Knitted Ties of Silk, Half Silk, and of Artificial Silk; Garters and Suspenders, Capes for Men and Women; House, Smoking, Morning, and Dressing Jackets and Gowns; Corsets and Girdles, and Waterproof Outer Garments for Men and Women of Rubber-impregnated Knitted and Textile Fabrics.

Claims use since 1919.

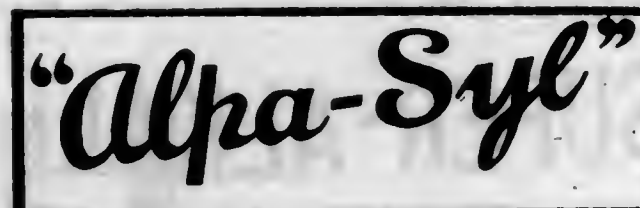
Ser. No. 191,631. (CLASS 39. CLOTHING.) CHS. LAMY & Co., Hamburg, Germany. Filed Feb. 1, 1924.

Laco

Particular description of goods.—Hats and Caps for Men, Women, and Children; Boots, Shoes, and Gloves of Leather, Rubber, Fabric, and Combinations Thereof; Ties and Cravats, Shawls, and Scarfs for Personal Wear; Dress, Negligee, Work, and Under Shirts; Underwear of Knitted and of Textile Fabric for Men, Women, and Children; Hosiery for Men, Women, and Children; Outer Skirts and Underskirts for Women; Nightshirts and Pyjamas for Men, Women, and Children; Overcoats, Ulsters, Coats, Waistcoats, and Trousers for Men and Boys; Jackets and Waistcoats for Women; Bathing Suits and Bathing Gowns for Men, Women, and Children; Knitted Ties of Silk, Half Silk, and of Artificial Silk; Garters and Suspenders, Capes for Men and Women; House, Smoking, Morning, and Dressing Jackets and Gowns; Corsets and Girdles, and Waterproof Outer Garments for Men and Women of Rubber-impregnated Knitted and Textile Fabrics.

Claims use since 1912.

Ser. No. 192,087. (CLASS 39. CLOTHING.) RIRNER & WACHS, Philadelphia, Pa. Filed Feb. 9, 1924.



Particular description of goods.—Women's Skirts and Dresses.

Claims use since Jan. 1, 1924.

Ser. No. 192,717. (CLASS 2. RECEPTACLES.) WILLIAM E. MONTGOMERY, Boston, Mass. Filed Feb. 23, 1924.

CARIBO

Particular description of goods.—Eyeglass Receptacles.
Claims use since Sept. 1, 1923.

Ser. No. 192,753. (CLASS 39. CLOTHING.) BEST OF ALL COMPANY, Philadelphia, Pa. Filed Feb. 25, 1924.



No claim is made to the words "Best Of All Serge Suit."

Particular description of goods.—Men's Serge Suits.
Claims use since June 1, 1923.

Ser. No. 193,212. (CLASS 39. CLOTHING.) BUDD & VOTAW, San Francisco, Calif. Filed Mar. 4, 1924.

PEBBLE BEACH

Particular description of goods.—Hosiery, Sweaters, Knitted and Textile-Fabric Underwear for Men; Dress, Work, and Negligee Shirts; Pyjamas, Neckties, Scarfs, and Cravat Neckwear, Suspenders, and Garters.
Claims use since Feb. 1, 1923.

Ser. No. 193,223. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex. Filed Mar. 4, 1924.

The House of a Million Parts.

Particular description of goods.—Magneto, Magneto Post Caps, Electrical Lamps, Spark Plugs, Electrical Distributors, Electrical Signal Horns and Stop Lights, Electrical Switches, Electrical Wire, and Motor Vehicle Electrical Equipment—Namely, Electric Starters, Electric Generators, Electric Colls, and Batteries.
Claims use since July 9, 1919.

Ser. No. 193,760. (CLASS 39. CLOTHING.) JAMES M. DALY, Lynn, Mass. Filed Mar. 14, 1924.

GOLDEN-RULE

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, Canvas, or Textile Material.
Claims use since Jan. 1, 1924.

Ser. No. 193,767. (CLASS 39. CLOTHING.) SIMON S. GROSSMAN, doing business as Grossman's Clothes Shop, Rochester, N. Y. Filed Mar. 14, 1924.



Particular description of goods.—Suits, Topcoats, and Overcoats.
Claims use since Sept. 8, 1923.

Ser. No. 194,093. (CLASS 39. CLOTHING.) E. J. WILE AND COMPANY, New York, N. Y. Filed Mar. 19, 1924.

MAH-JONGG

Particular description of goods.—Ladies' Cloaks, Coats, Suits, Dresses, and Skirts.
Claims use since May 14, 1923.

Ser. No. 194,952. (CLASS 39. CLOTHING.) SEMMEL & FRIEDLAENDER INC., New York, N. Y. Filed Apr. 3, 1924.



Particular description of goods.—Outer Wear for Women—viz, Dresses, Coats, and Suits.
Claims use since Mar. 1, 1924.

Ser. No. 195,470. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) H. P. WASSON & Co., Indianapolis, Ind. Filed Apr. 12, 1924.

SAN + KIN

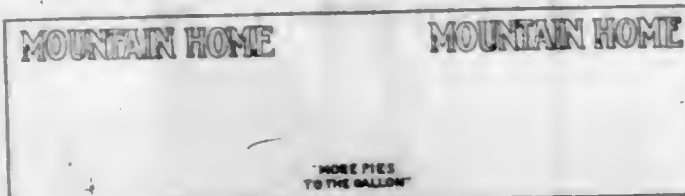
Particular description of goods.—Sanitary Napkins.
Claims use since Mar. 1, 1924.

Ser. No. 195,814. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BENJ. S. FREEDMAN Co., Scranton, Pa. Filed Apr. 19, 1924.

Nunbette

No claim is made to the words "None Better."
Particular description of goods.—Soap.
Claims use since Mar. 27, 1924.

Ser. No. 195,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed Apr. 22, 1924.



Applicant disclaims the exclusive right to the use of the words "More Pies to the Gallon" apart from the mark as shown.

Particular description of goods.—Canned Fruits.
Claims use since Sept. 25, 1923.

Ser. No. 196,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed Apr. 25, 1924.



No claim is made to the exclusive use of the words "Toasted to a Turn" and "Coconut Toast" except in association with the mark as shown in the drawing.
Particular description of goods.—Coconut Candy.
Claims use since June 13, 1923.

Ser. No. 196,243. (CLASS 39. CLOTHING.) THE L. N. GROSS COMPANY, Cleveland, Ohio. Filed Apr. 28, 1924.

Slenderizing Stouts

Particular description of goods.—Wash Dresses, Aprons, and House Dresses.
Claims use since about Mar. 1, 1924.

Ser. No. 196,406. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Filed May 1, 1924.

SUPER-ALKALI

No claim is made to the word "Alkali" apart from the mark shown.
Particular description of goods.—Cleansing and Washing Compounds.
Claims use since Jan. 16, 1922.

Ser. No. 196,492. (CLASS 38. PRINTS AND PUBLICATIONS.) ULLSTEIN AKTIENGESELLSCHAFT, Berlin, Germany. Filed May 2, 1924.

Ever Busy Library

Particular description of goods.—Products of the Printing Office, including Photographs of Apparel and the Like, Guidebooks for Teaching Tailoring and Containing Photographical Reproductions, Illustrations, and Cuts of Portions of and Different Styles of Suits and Other Articles of Apparel.
Claims use since Jan. 1, 1924.

Ser. No. 196,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETTY SPENCER GASTINEAU, Indianapolis, Ind. Filed May 5, 1924.

BET-TE-NA

Particular description of goods.—Narcotic-Addict Medicine.
Claims use since Apr. 15, 1924.

Ser. No. 196,693. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PERCY CHAMBERLAIN ASSOCIATES, INC., Detroit, Mich. Filed May 7, 1924.



No claim is made to the surname appearing on the mark nor to the words "Used Car Plan" except as these are shown associated with the distinctive features of the mark.

Particular description of goods.—Motor Vehicles.
Claims use since Oct. 25, 1923.

Ser. No. 196,922. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARKISCHE MASCHINENBAU-ANSTALT "TEUTONIA" GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Frankfurt on the Oder, Germany. Filed May 12, 1924.

Harp

Particular description of goods.—Cream Separators and Churns.
Claims use since March, 1923.

Ser. No. 196,937. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SO-LINGER METALLWARENFABRIK G. M. B. H., Solingen, Germany. Filed May 12, 1924.



Particular description of goods.—Razors, Safety Razors, Safety-Razor Blades, Table Knives and Forks of Base Metal, Hair Clippers, Butchers' Knives, Kitchen Knives, Scissors, Daggers, Sabers, Plane Irons, Saws, Files, and Axes.
Claims use since May 27, 1921.

Ser. No. 197,181. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN GRINDER MANUFACTURING CO., Milwaukee, Wis. Filed May 17, 1924.



Particular description of goods.—Tools—Namely, Wrenches, Power Grinders, and Sickle Attachments.
Claims use since May 6, 1924.

327 O. G.—2

Ser. No. 197,182. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BACORN COMPANY, Elmira, N. Y. Filed May 17, 1924.

"OLD DOC FORKOLA"



Particular description of goods.—Preparation to be Used in the Treatment of Croup, Colds, Catarrh, Bronchitis, Sore Throat, Coughs, Whooping Cough, Tonsillitis, Asthma, Incipient Pneumonia, Bites, Bolls, Bruises, Burns, Chilblains, Corns, Eczema, Itching Piles, Polson Ivy, Muscular Rheumatism, Salt Rheum, Scalds, Sprains, Stings, Sunburn, Etc., and Laxative Tablets.
Claims use since Feb. 25, 1921, for preparation; since Apr. 24, 1924, for laxative tablets.

Ser. No. 197,194. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DIRECTORY PUBLISHING COMPANY, Flint, Mich. Filed May 17, 1924.

COMMUNITY-RESIDENT ... DIRECTORY ... for Civic and Chevrolet Parks

Disclaimer is made apart from the drawing as shown on all words appearing on the drawing excepting the words "Community Resident."

Particular description of goods.—Directories Published at Intervals from Time to Time.
Claims use since June 1, 1922.

Ser. No. 197,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLNEY & FLOYD, Westernville, N. Y. Filed May 17, 1924.

PALACE GARDEN

Particular description of goods.—Canned Vegetables.
Claims use since Apr. 3, 1906.

Ser. No. 197,301. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. SMITH, doing business as H. J. Smith & Company, Utica, N. Y. Filed May 19, 1924.

KIL-O-SAN

Particular description of goods.—Insecticides and Fly and Insect Spray.
Claims use since July 1, 1923.

Ser. No. 197,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN FRUIT PRODUCERS, Minot, N. Dak. Filed May 19, 1924.



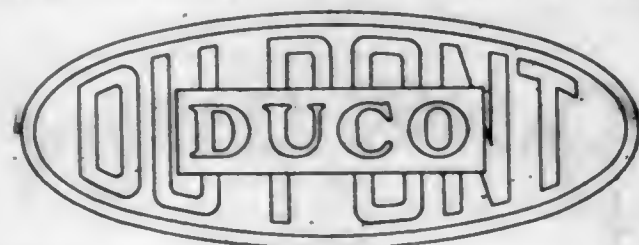
No claim is made to the words "Grape Fruit" apart from the mark shown in the drawing.
Particular description of goods.—Fresh Grapefruit.
Claims use since May 5, 1924.

Ser. No. 197,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEXANDER ANDERSON, Somerville, Mass. Filed May 21, 1924.

URSALINE

Particular description of goods.—Medicinal Preparation Used in the Treatment of Rheumatism, Bronchial Trouble, Catarrh, Sores, Asthma, Lameness, Colds in the Throat and Chest, Lame or Tired Feet, and Varicose Veins.
Claims use since Apr. 15, 1922.

Ser. No. 197,425. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed May 22, 1924.



Particular description of goods.—Lacquers, Paint and Pyroxylin Enamels, and Paint and Pyroxylin Finishes.
Claims use since Apr. 5, 1924.

Ser. No. 197,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACK F. KATZ, New York, N. Y. Filed May 22, 1924.



Particular description of goods.—Hair-Color Restorer.
Claims use since Dec. 1, 1923.

Ser. No. 197,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION SPECIAL MACHINE COMPANY, Chicago, Ill. Filed May 22, 1924.

JUNIOR

Particular description of goods.—Sewing Machines for Closing Filled Bags.
Claims use since July 11, 1922.

Ser. No. 197,553. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NIP-O-PRODUCTS CO., New York, N. Y. Filed May 24, 1924.



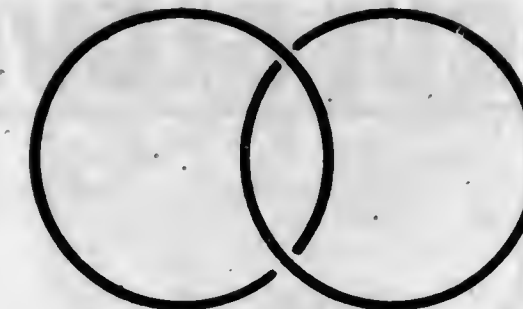
No claim is made to the words "The Perfection Tea Brew" and "Hot or Cold" except in conjunction with the other elements of the trade-mark.
Particular description of goods.—Teas.
Claims use since Jan. 4, 1924.

Ser. No. 197,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. E. MACCONAUGHEY, San Francisco, Calif. Filed May 27, 1924.

PIECES OF EIGHT

Particular description of goods.—Chewing Gum and Candy.
Claims use since May 15, 1924.

Ser. No. 197,804. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DUPLEX ENGINE GOVERNOR COMPANY INC., New York, N. Y. Filed May 29, 1924.



NONE OTHER

Particular description of goods.—Radio Apparatus—Namely, Condensers, Sockets, Plugs, Jacks, Current-Control Rheostats, Relays, Dials, Switches, and Terminals.
Claims use since June 1, 1921.

Ser. No. 197,831. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHOENIX LABORATORIES, St. Louis, Mo. Filed May 29, 1924.



No claim is made to the words, "Hairgloss" and "It Keeps the Hair Combed and Glossy" apart from the form and association shown.
Particular description of goods.—Hairdressing.
Claims use since Apr. 10, 1924.

Ser. No. 197,846. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION SPECIAL MACHINE COMPANY, Chicago, Ill. Filed May 29, 1924.

VICTOR

Particular description of goods.—Sewing Machines for Closing Filled Bags.
Claims use since on or about Sept. 1, 1922.

Ser. No. 197,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER REESE HUTCHISON, New York, N. Y., assignor to Latholme Corporation, a Corporation of Delaware. Filed May 31, 1924.

HUTCH-OLENE

Particular description of goods.—Compound to be Mixed with Gasoline for Reducing the Carbon-Monoxide Content of Exhaust Gases, Increasing the Mileage per Gallon of Gasoline, Preventing the Formation of Carbon in Cylinders and on Piston Heads of Gasoline-Propelled Engines, Etc.
Claims use since May 21, 1924.

Ser. No. 197,934. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. J. HILBERT & Co. INC., Milwaukee, Wis. Filed June 2, 1924.

DE LUXE

Particular description of goods.—Hair Tonic, Tar and Glycerine Soap Shampoo, Complexion Powder, Sachet Powder, Tooth Paste, Cold Cream, Vanishing Cream, Toilet Lotion for Chap, Tan, Sunburn, and Rough Skin; After-Shaving Lotion, Perfumery Extracts and Essences, and Toilet Waters.
Claims use since July, 1893.

Ser. No. 197,989. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. CONRAD RICHARD BOHM, Berlin-Wilmersdorf, Germany. Filed June 3, 1924.

Diaporin

Particular description of goods.—Pharmaceutical Preparation for External Use to Heal and Prevent Diseases of the Skin and the Tissues.
Claims use since Apr. 21, 1920.

Ser. No. 198,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLGA LUISE ARLEN, doing business as Ortosan Co., New York, N. Y. Filed June 4, 1924.

Ortosan

Particular description of goods.—Cosmetic Creams, Cosmetic Lotions, and Cosmetic Powders.
Claims use since Jan. 1, 1924.

Ser. No. 198,225. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 7, 1924.

DU CO

Particular description of goods.—Lacquers, Paint and Pyroxylin Enamels, and Paint and Pyroxylin Finishes. Claims use since Aug. 15, 1922.

Ser. No. 198,298. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EXCHANGE BUFFET CORPORATION, New York, N. Y. Filed June 9, 1924.

CHILLER

Particular description of goods.—Nonalcoholic, Maltless, Fruit-Juice Beverage Sold as a Soft Drink. Claims use since May 26, 1924.

Ser. No. 198,431. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN K. TULLIS, New York, N. Y. Filed June 11, 1924.

PREPTAN

Particular description of goods.—Tanning Material. Claims use since June 1, 1923.

Ser. No. 198,439. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTIBOLAGET GRUMME & SON, Stockholm, Sweden. Filed June 12, 1924.

STOM-A-TOL

Particular description of goods.—Tooth Powder, Perfumes, Tooth Paste, Tooth Cream, Tooth Soap. Claims use since May, 1924.

Ser. No. 198,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. NACHTRIEB, doing business as Liqui-Glove Co. (Not Inc.), Chicago, Ill. Filed June 16, 1924.

LIQUI-GLOVE

Particular description of goods.—Paste-Like Preparation for Coating the Hands. Claims use since Mar. 15, 1924.

Ser. No. 198,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED W. FROST, New York, N. Y. Filed June 20, 1924.

BIG WIN



Particular description of goods.—Fresh Fruits Both Citrous and Deciduous. Claims use since June 5, 1924.

Ser. No. 199,147. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed June 26, 1924.

TEMPO GRANDE

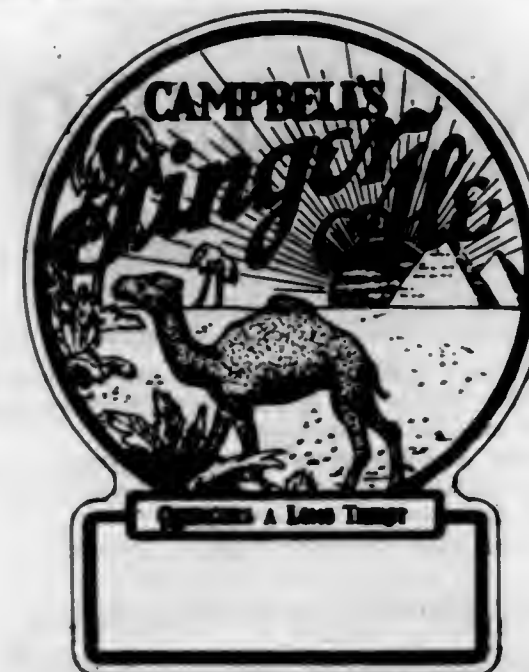
Particular description of goods.—Banjos. Claims use since June 21, 1924.

Ser. No. 199,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed June 26, 1924.

LIMECONE

Particular description of goods.—Certified Food Colors. Claims use since June 4, 1924.

Ser. No. 199,416. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE COCA COLA BOTTLING COMPANY, Wichita, Kans. Filed July 1, 1924.



No claim is made to the words "Ginger Ale" and "Quenches a Long Thirst."

Particular description of goods.—Ginger Ale, a Non-alcoholic Maltless Beverage Sold as a Soft Drink. Claims use since May 1, 1924.

Ser. No. 199,423. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GAFFIN MANUFACTURING CO. INC., New York, N. Y. Filed July 1, 1924.

KIDINE

Particular description of goods.—Cleaning Fluid for Clothes, Fabrics, and Leather; Shoe Polishes, Shoe Blackings, Shoe Cleaners, Leather Dressings, and Preservatives. Claims use since Feb. 1, 1909.

Ser. No. 199,434. (CLASS 39. CLOTHING.) NATIONAL GLOVE COMPANY, Columbus, Ohio. Filed July 1, 1924.

BLUE LINE

The lining expresses the color blue. Particular description of goods.—Leather, Cotton, and Cotton and Leather Work Gloves. Claims use since May 17, 1924.

Ser. No. 199,435. (CLASS 39. CLOTHING.) NATIONAL GLOVE COMPANY, Columbus, Ohio. Filed July 1, 1924.

RED LINE

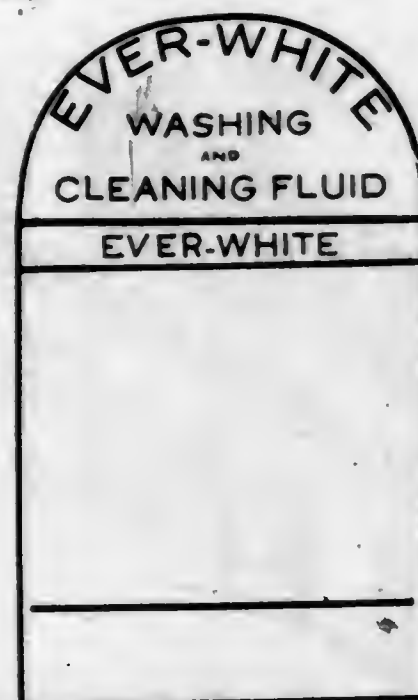
The lining expresses the color red. Particular description of goods.—Leather, Cotton, and Cotton and Leather Work Gloves. Claims use since May 17, 1924.

Ser. No. 199,436. (CLASS 39. CLOTHING.) NATIONAL GLOVE COMPANY, Columbus, Ohio. Filed July 1, 1924.

GREEN LINE

The lining expresses the color green. Particular description of goods.—Leather, Cotton, and Cotton and Leather Work Gloves. Claims use since May 17, 1924.

Ser. No. 199,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVER-WHITE FLUID CO., Morgantown, W. Va. Filed July 2, 1924.



No claim is made to the words "Washing and Cleaning Fluid" apart from the mark shown.

Particular description of goods.—Washing and Cleaning Fluid.

Claims use since May 1, 1923.

Ser. No. 199,553. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOTHAM SILK Hosiery Co., Inc., New York, N. Y. Filed July 3, 1924.

GOLD STRIPE

Particular description of goods.—Soap.

Claims use since December, 1921.

Ser. No. 199,614. (CLASS 39. CLOTHING.) FAMOUS TEXTILE CO. INC., New York, N. Y. Filed July 5, 1924.

"America's Wonder Store"

No claim is made to the words "America's" and "Store" apart from the mark shown in the drawing.

Particular description of goods.—Knitted Underwear, Blouses, Bathing Suits, Dresses, Coats, Suits, Hosiery, and Sweaters.

Claims use since May 24, 1924.

Ser. No. 199,642. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) METROPOLITAN DEVICE CORPORATION, Brooklyn, N. Y. Filed July 5, 1924.



Particular description of goods.—Rubber Tubing.

Claims use since May 9, 1924.

Ser. No. 199,644. (CLASS 39. CLOTHING.) OPPENHEIM, OBERNDORF & CO. INC., doing business as The Sealpax Company, Baltimore, Md. Filed July 5, 1924.

VENTILO CLOTH

Trade-mark "Ventilo Cloth." No claim is made to the exclusive use of the word "Cloth" apart from the mark as shown in the drawing.

Particular description of goods.—Clothing—viz, Underwear Manufactured from Textile Fabric, Dress, Negligee, and Work Shirts, and Pyjamas.

Claims use since June 24, 1924.

Ser. No. 199,661. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL CANDY AND CHOCOLATE MACHINERY COMPANY, Inc., Springfield, Mass. Filed July 5, 1924.



Exclusive use of the words "Springfield, Mass." is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Candy-Coating Machines, Candy-Feeding Machines, Candy Pumps, Candy Coolers, and Marshmallow Benters.

Claims use since May 22, 1924.

Ser. No. 199,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT PACKING COMPANY, Detroit, Mich. Filed July 7, 1924.

EARLIRIPE

HEREFORD BABY BEEF

The words "Hereford Baby Beef" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Beef.

Claims use since June, 1921.

Ser. No. 199,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAMMOND STANDISH & Co., Detroit, Mich. Filed July 7, 1924.

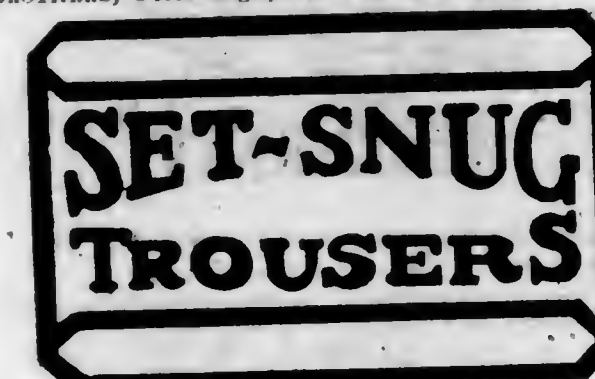


The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Hams and Bacons.

Claims use since 1922.

Ser. No. 199,702. (CLASS 39. CLOTHING.) JACOBSON BROTHERS, Pittsburgh, Pa. Filed July 7, 1924.



Applicant disclaims the use of the word "Trousers" apart from the mark shown.

Particular description of goods.—Men's Dress Pants and Trousers.

Claims use since June 19, 1924.

Ser. No. 199,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIVIAN THORNTON McCURDY, Santa Clara, Calif. Filed July 7, 1924.



The pictorial representation of the fruits shown in the drawing does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Pears and Apples.

Claims use since September, 1913.

Ser. No. 199,721. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WARREN C. SCHERER, Chicago, Ill. Filed July 7, 1924.



Particular description of goods.—Flexible nonelectrical hair-waving instrument.

Claims use since May 5, 1924.

Ser. No. 199,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. E. WRIGHT COMPANY, Chicago, Ill. Filed July 7, 1924.

Wright's TASTE-T-KIT

Particular description of goods.—Combination Package of Salad Dressing and a Prepared Paste Used as a Sandwich Filler.

Claims use since April, 1924.

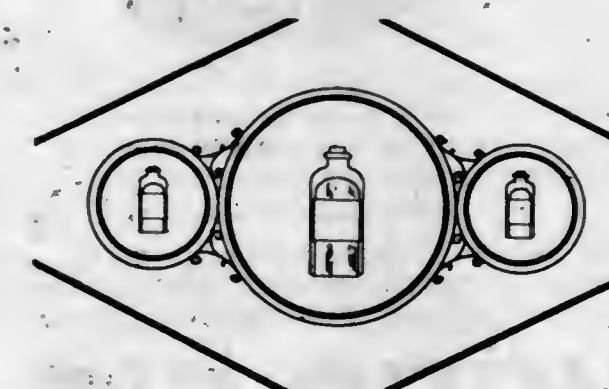
Ser. No. 199,782. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK C. GRAF, Allentown, Pa. Filed July 9, 1924.

QUEENCOSUPS

Particular description of goods.—Antiseptic Vaginal Suppository.

Claims use since May 1, 1923.

Ser. No. 199,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALLACE G. IMHOFF, Pittsburgh, Pa. Filed July 9, 1924.



Particular description of goods.—Tablets Consisting of One or More Inorganic Ingredients for the Rapid Quantitative Determination of Acids, Alkalis, and Iron in Solutions.

Claims use since June 3, 1924.

Ser. No. 199,798. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PACIFIC NOVELTY COMPANY, New York, N. Y. Filed July 9, 1924.

IMPERIAL

Particular description of goods.—Hairpins.

Claims use since November, 1910.

Ser. No. 199,813. (CLASS 39. CLOTHING.) WEISS & ZAHNER, New York, N. Y. Filed July 9, 1924.



The words "Highland Plaids" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Mufflers.
Claims use since June 2, 1924.

Ser. No. 199,831. (CLASS 32. FURNITURE AND UP-HOLSTERY.) EDUCATIONAL FURNITURE CORPORATION, New York, N. Y. Filed July 10, 1924.



No claim is made to the words "Desk" and "Grows with the Child" apart from the mark shown.
Particular description of goods.—Desks.
Claims use since June 2, 1924.

Ser. No. 199,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. W. JOSLYN, Racine, Wis. Filed July 10, 1924.

KEEP-FIT

Particular description of goods.—System Tonic.
Claims use since June, 1923.

Ser. No. 199,870. (CLASS 39. CLOTHING.) THE WEISBAUM BROS.-BROWER Co., Cincinnati, Ohio. Filed July 10, 1924.



GIBRALTAR CREPE

No claim is made to the words "Crepe" and "Insured for Service" apart from the mark shown in the drawing.
Particular description of goods.—Neckties.
Claims use since Dec. 28, 1920.

Ser. No. 199,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN CITY MILL Co., Inc., Chattanooga, Tenn. Filed July 11, 1924.

APRON CHECKS

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since June 27, 1924.

Ser. No. 199,970. (CLASS 39. CLOTHING.) THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio. Filed July 14, 1924.



Applicant disclaims the word "Knit" apart from the mark as shown.
Particular description of goods.—Open-Mesh Knitted Underwear for Men.
Claims use since Jan. 1, 1924.

Ser. No. 199,975. (CLASS 39. CLOTHING.) COOK-VILLE OVERALL MANUFACTURING COMPANY, INCORPORATED, Cookeville, Tenn. Filed July 14, 1924.

QUAIL



Particular description of goods.—Work Clothing—Namely, Overalls, Coats, Pants, and Shirts.
Claims use since January, 1924.

Ser. No. 200,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CREOLIN Co., Rahway, N. J. Filed July 15, 1924.

CREOLINA

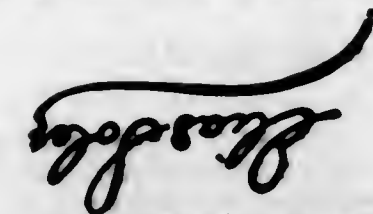
Particular description of goods.—Disinfectants, Deodorants, and Germicides.
Claims use since June 28, 1924.

Ser. No. 200,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN C. DESORMEAUX, Lafayette, La. Filed July 15, 1924.



The portrait is of the applicant.
Particular description of goods.—Medicine for Use in the Treatment of Consumption, Asthma, Bronchitis, Influenza, La Grippe, Coughs, and Colds.
Claims use since Apr. 1, 1923.

Ser. No. 200,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GUARDIAN OINTMENT COMPANY, New York, N. Y. Filed July 15, 1924. Under ten-year proviso.



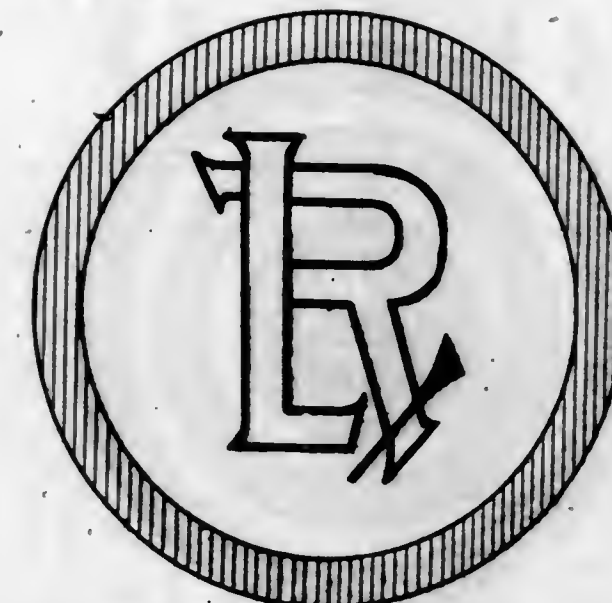
The portrait appearing on the drawing is that of Salvador Guardias, deceased.
Particular description of goods.—Ointment and a Remedy for Diseases of the Blood.
Claims use since June, 1878.

Ser. No. 200,049. (CLASS 39. CLOTHING.) LEIBLER-GOLDSMITH Co., Inc., New York, N. Y. Filed July 15, 1924.

Cherry Chase

Particular description of goods.—Women's, Misses', and Children's Sport Apparel—Namely, Coats, Suits, Dresses, Blouses, Frocks, Wraps, Knickers, Sweaters, Riding Habits, Bathing Suits, Sport Scarfs, Sport Hats and Capes, and Shawls.
Claims use since July 10, 1924.

Ser. No. 200,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LEWIS DRUG COMPANY, Marianna, Fla. Filed July 15, 1924.



The lining upon the drawing indicates red.
Particular description of goods.—Eye Wash and Salve.
Claims use since Oct. 1, 1910.

Ser. No. 200,083. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK M. PRINDLE, doing business as Frank M. Prindle & Co., New York, N. Y., assignor to Violet Perfumery Corporation, Wilmington, Del. Filed July 16, 1924.

Sift AR

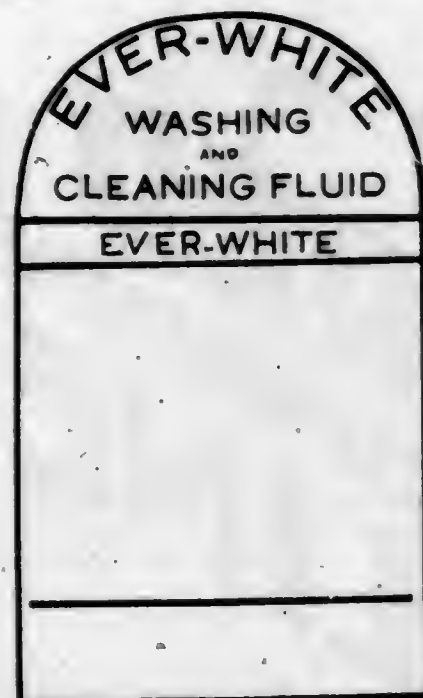
Particular description of goods.—Face Powder.
Claims use since July 1, 1924.

Ser. No. 200,147. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FEDELE LO GATTO, Brooklyn, N. Y. Filed July 17, 1924.



No claim is made to the words "Trade-Mark" apart from the mark shown on the drawing.
Particular description of goods.—Artificial Meats for Display Purposes.
Claims use since Mar. 15, 1922.

Ser. No. 199,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVER-WHITE FLUID CO., Morgantown, W. Va. Filed July 2, 1924.



No claim is made to the words "Washing and Cleaning Fluid" apart from the mark shown.

Particular description of goods.—Washing and Cleaning Fluid.

Claims use since May 1, 1923.

Ser. No. 199,553. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOTHAM SILK HOSIERY CO., INC., New York, N. Y. Filed July 3, 1924.

GOLD STRIPE

Particular description of goods.—Soap.

Claims use since December, 1921.

Ser. No. 199,614. (CLASS 39. CLOTHING.) FAMOUS TEXTILE CO. INC., New York, N. Y. Filed July 5, 1924.

"America's Wonder Store"

No claim is made to the words "America's" and "Store" apart from the mark shown in the drawing.

Particular description of goods.—Knitted Underwear, Blouses, Bathing Suits, Dresses, Coats, Suits, Hosiery, and Sweaters.

Claims use since May 24, 1924.

Ser. No. 199,642. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) METROPOLITAN DEVICE CORPORATION, Brooklyn, N. Y. Filed July 5, 1924.



Particular description of goods.—Rubber Tubing.

Claims use since May 9, 1924.

Ser. No. 199,644. (CLASS 39. CLOTHING.) OPPENHEIM, OBERNDORF & CO. INC., doing business as The Sealpax Company, Baltimore, Md. Filed July 5, 1924.

**VENTILO
CLOTH**

Trade-mark "Ventilo Cloth." No claim is made to the exclusive use of the word "Cloth" apart from the mark as shown in the drawing.

Particular description of goods.—Clothing—viz, Underwear Manufactured from Textile Fabric, Dress, Negligee, and Work Shirts, and Pyjamas.

Claims use since June 24, 1924.

Ser. No. 199,661. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL CANDY AND CHOCOLATE MACHINERY COMPANY, INC., Springfield, Mass. Filed July 5, 1924.



Exclusive use of the words "Springfield, Mass." is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Candy-Coating Machines, Candy-Feeding Machines, Candy Pumps, Candy Coolers, and Marshmallow Beaters.

Claims use since May 22, 1924.

Ser. No. 199,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT PACKING COMPANY, Detroit, Mich. Filed July 7, 1924.

**EARLIRIPE
HEREFORD BABY BEEF**

The words "Hereford Baby Beef" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Beef.

Claims use since June, 1921.

Ser. No. 199,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAMMOND STANDISH & CO., Detroit, Mich. Filed July 7, 1924.

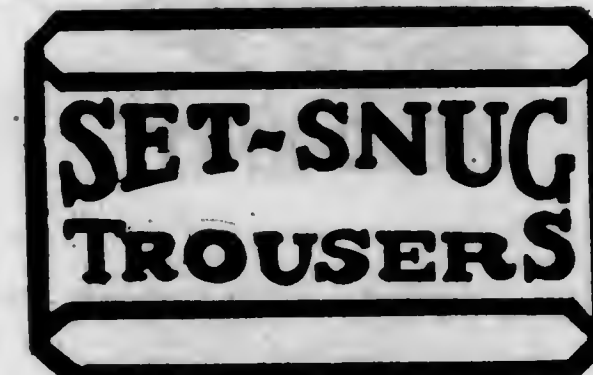


The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Hams and Bacons.

Claims use since 1922.

Ser. No. 199,702. (CLASS 39. CLOTHING.) JACOBSON BROTHERS, Pittsburgh, Pa. Filed July 7, 1924.



Applicant disclaims the use of the word "Trousers" apart from the mark shown.

Particular description of goods.—Men's Dress Pants and Trousers.

Claims use since June 19, 1924.

Ser. No. 199,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIVIAN THORNTON MCCURDY, Santa Clara, Calif. Filed July 7, 1924.



The pictorial representation of the fruits shown in the drawing does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Pears and Apples.

Claims use since September, 1913.

Ser. No. 199,721. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WARREN C. SCHERER, Chicago, Ill. Filed July 7, 1924.



Particular description of goods.—Flexible nonelectrical hair-waving instrument.

Claims use since May 5, 1924.

Ser. No. 199,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. E. WRIGHT COMPANY, Chicago, Ill. Filed July 7, 1924.

**Wright's
TASTE-T-KIT**

Particular description of goods.—Combination Package of Salad Dressing and a Prepared Paste Used as a Sandwich Filler.

Claims use since April, 1924.

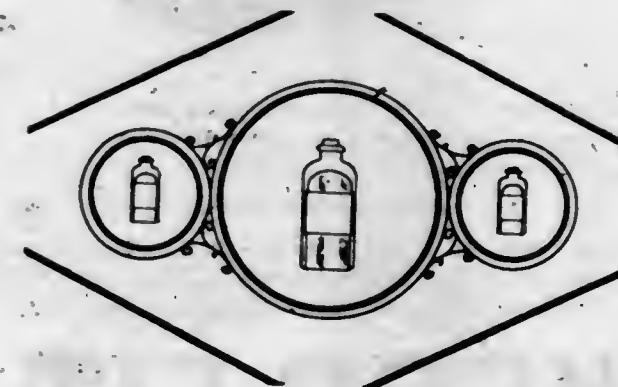
Ser. No. 199,782. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK C. GRAF, Allentown, Pa. Filed July 9, 1924.

QUEENCOSUPS

Particular description of goods.—Antiseptic Vaginal Suppository.

Claims use since May 1, 1923.

Ser. No. 199,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALLACE G. IMHOFF, Pittsburgh, Pa. Filed July 9, 1924.



Particular description of goods.—Tablets Consisting of One or More Inorganic Ingredients for the Rapid Quantitative Determination of Acids, Alkalis, and Iron in Solutions.

Claims use since June 3, 1924.

Ser. No. 199,798. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PACIFIC NOVELTY COMPANY, New York, N. Y. Filed July 9, 1924.

IMPERIAL

Particular description of goods.—Hairpins.

Claims use since November, 1910.

Ser. No. 199,813. (CLASS 39. CLOTHING.) WEISS & ZAHLEN. New York, N. Y. Filed July 9, 1924.



The words "Highland Plaids" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Mullers.
Claims use since June 2, 1924.

Ser. No. 199,831. (CLASS 32. FURNITURE AND UP-HOLSTERY.) EDUCATIONAL FURNITURE CORPORATION, New York, N. Y. Filed July 10, 1924.



No claim is made to the words "Desk" and "Grows with the Child" apart from the mark shown.
Particular description of goods.—Desks.
Claims use since June 2, 1924.

Ser. No. 199,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. W. JOSLYN, Racine, Wis. Filed July 10, 1924.

KEEP-FIT

Particular description of goods.—System Tonic.
Claims use since June, 1923.

Ser. No. 199,870. (CLASS 39. CLOTHING.) THE WEISBAUM BROS.-BROWER CO., Cincinnati, Ohio. Filed July 10, 1924.



GIBRALTAR CREPE

No claim is made to the words "Crepe" and "Insured for Service" apart from the mark shown in the drawing.
Particular description of goods.—Neckties.
Claims use since Dec. 28, 1920.

Ser. No. 199,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn. Filed July 11, 1924.

APRON CHECKS

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since June 27, 1924.

Ser. No. 199,970. (CLASS 39. CLOTHING.) THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio. Filed July 14, 1924.



Applicant disclaims the word "Knit" apart from the mark as shown.
Particular description of goods.—Open-Mesh Knitted Underwear for Men.
Claims use since Jan. 1, 1924.

Ser. No. 199,975. (CLASS 39. CLOTHING.) COOKSVILLE OVERALL MANUFACTURING COMPANY, INCORPORATED, Cookeville, Tenn. Filed July 14, 1924.

QUAIL



Particular description of goods.—Work Clothing—Namely, Overalls, Coats, Pants, and Shirts.
Claims use since January, 1924.

Ser. No. 200,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CREOLIN CO., Rahway, N. J. Filed July 15, 1924.

CREOLINA

Particular description of goods.—Disinfectants, Deodorants, and Germicides.
Claims use since June 28, 1924.

Ser. No. 200,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN C. DESORMEAUX, Lafayette, La. Filed July 15, 1924.



The portrait is of the applicant.
Particular description of goods.—Medicine for Use in the Treatment of Consumption, Asthma, Bronchitis, Influenza, La Grippe, Coughs, and Colds.
Claims use since Apr. 1, 1923.

Ser. No. 200,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GUARDIAS OINTMENT COMPANY, New York, N. Y. Filed July 15, 1924. Under ten-year proviso.



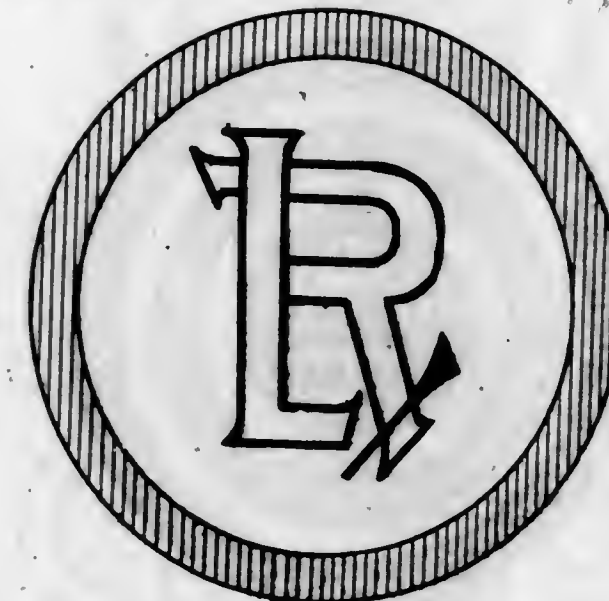
The portrait appearing on the drawing is that of Salvador Guardias, deceased.
Particular description of goods.—Ointment and a Remedy for Diseases of the Blood.
Claims use since June, 1878.

Ser. No. 200,049. (CLASS 39. CLOTHING.) LEIBLER-GOLDSMITH CO., INC., New York, N. Y. Filed July 15, 1924.

Cherry Chase

Particular description of goods.—Women's, Misses', and Children's Sport Apparel—Namely, Coats, Suits, Dresses, Blouses, Frocks, Wraps, Knickers, Sweaters, Riding Habits, Bathing Suits, Sport Scarfs, Sport Hats and Capes, and Shawls.
Claims use since July 10, 1924.

Ser. No. 200,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LEWIS DRUG COMPANY, Marianna, Fla. Filed July 15, 1924.



The lining upon the drawing indicates red.
Particular description of goods.—Eye Wash and Salve.
Claims use since Oct. 1, 1910.

Ser. No. 200,083. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK M. PRINDLE, doing business as Frank M. Prindle & Co., New York, N. Y., assignor to Violet Perfumery Corporation, Wilmington, Del. Filed July 16, 1924.

Sift AR

Particular description of goods.—Face Powder.
Claims use since July 1, 1924.

Ser. No. 200,147. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FEDELE LO GATTO, Brooklyn, N. Y. Filed July 17, 1924.



No claim is made to the words "Trade-Mark" apart from the mark shown on the drawing.
Particular description of goods.—Artificial Meats for Display Purposes.
Claims use since Mar. 15, 1922.

Ser. No. 200,162. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich. Filed July 17, 1924.



The color lining in the drawing is to designate shading.

Particular description of goods.—Automobile Dome Lights and Corner Lights.

Claims use since June 1, 1921.

Ser. No. 200,163. (CLASS 39. CLOTHING.) ALEX WINER, doing business as The Bee Line Manufacturing Company, Veedersburg, Ind. Filed July 17, 1924.

Bee Line

Particular description of goods.—Pants, Overalls, and Coats.

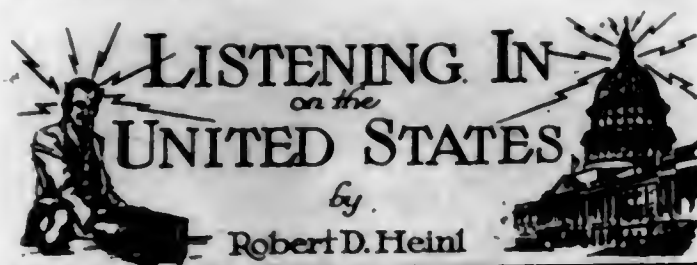
Claims use since Dec. 13, 1916.

Ser. No. 200,193. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE Co., St. Louis, Mo. Filed July 18, 1924.

For Value

Particular description of goods.—Spices.
Claims use since on or about July 5, 1924.

Ser. No. 200,198. (CLASS 38. PRINTS AND PUBLICATIONS.) ROBERT D. HEINL, Washington, D. C. Filed July 18, 1924.



Particular description of goods.—Newspaper Articles.
Claims use since May 25, 1924.

Ser. No. 200,276. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALM-OLIVE COMPANY, Chicago, Ill. Filed July 19, 1924.

KLIK

Particular description of goods.—Toilet and Shaving Soaps.

Claims use since June 30, 1924.

Ser. No. 200,305. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE E. BANGHART, doing business as The Highway Auto Accessories Co., Ballston, Va. Filed July 21, 1924.

HIGHWAY

Particular description of goods.—Spark Plugs.
Claims use since Apr. 15, 1924.

Ser. No. 200,312. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GERALDINE ROCKEFELLER DODGE, doing business as Giralda Farms, Madison, N. J. Filed July 21, 1924.



The representation of the dog appearing on the drawing is disclaimed but applicant does not waive any common-law rights which may have accrued or which may hereafter accrue in the trade-mark in its entirety.

Particular description of goods.—Dogs.
Claims use since Jan. 1, 1923.

Ser. No. 200,314. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. GILMORE, Chicago, Ill. Filed July 21, 1924.

GAS-DYNE

Particular description of goods.—Preparation to be Added to Gasoline and Petroleum Products for the Prevention and Removal of Carbon in Internal-Combustion Engines.

Claims use since June 30, 1924.

Ser. No. 200,324. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FISK, Inc., New York, N. Y. Filed July 21, 1924.

QUINOPHAN

Particular description of goods.—Phenylcinchoninic Acid (Phenylquinoline-Carboxylic Acid).

Claims use since Aug. 4, 1922.

Ser. No. 200,362. (CLASS 39. CLOTHING.) CHAS. H. LIERMAN & BRO., Philadelphia, Pa. Filed July 22, 1924.



No claim is made to the word "Clothes" apart from the mark as shown, neither is any claim made to the specific color indicated on the drawing apart from the mark.

Particular description of goods.—Men's Suits and Overcoats.

Claims use since Mar. 19, 1924.

Ser. No. 200,367. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MID WEST SALES AND MANUFACTURING CO., Inc., Salt Lake City, Utah. Filed July 22, 1924.

**MID WEST
TUF-WEAR**

Particular description of goods.—Waterproof Cotton Fabrics in the Piece.

Claims use since Mar. 1, 1924.

Ser. No. 200,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTAVIO DE OTO, Lowellville, Ohio. Filed July 23, 1924.

O. D. O.

Particular description of goods.—Medicine to be Applied Externally for Rheumatism, Sciatica, Joint Affections, Lumbago, Sore Muscles, and Neuralgia.

Claims use since June 21, 1921.

Ser. No. 200,451. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KENDALL MANUFACTURING COMPANY, Providence, R. I. Filed July 24, 1924.

Gliss

Particular description of goods.—Cleansing Preparations—Namely, Washing Powders and Metal Polish.

Claims use since July 18, 1924.

Ser. No. 200,481. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CUSHMAN CHUCK COMPANY, Hartford, Conn. Filed July 25, 1924. Under ten-year proviso.

"CUSHMAN"

Particular description of goods.—Chucks.
Claims use since 1862.

Ser. No. 200,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL FELDTHUSEN, Boise, Idaho. Filed July 25, 1924.

LACTAMYL

Particular description of goods.—Dried-Starch Mixture for Baking Purposes.
Claims use since July 22, 1924.

Ser. No. 200,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMILIE MACFARLANE, Honolulu, Hawaii, and San Francisco, Calif. Filed July 25, 1924.



AUNTIE MEL'S

HAWAIIAN

LIMA PRESERVES

Applicant disclaims the exclusive right to the use of the word "Preserves" apart from the mark as shown.

Particular description of goods.—Hawaiian Fruit Products—Namely, Marmalades, Jams, Jellies, Chutney, Spiced Pineapple, and Fruit Preserves.

Claims use since about Mar. 1, 1922.

Ser. No. 200,504. (CLASS 12. CONSTRUCTION MATERIALS.) MACOUSTIC ENGINEERING COMPANY, INC., Cleveland, Ohio. Filed July 25, 1924.

MACOUSTIC

Particular description of goods.—Plaster.
Claims use since Oct. 8, 1921.

Ser. No. 200,506. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NATIONAL DAIRY COMPANY, Toledo, Ohio. Filed July 25, 1924.

PANGO

Particular description of goods.—Food Comprising Chocolate Liquor, Condensed Whole Milk, and Sugar.
Claims use since July 16, 1924.

Ser. No. 200,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHERING & GLATZ, INC., New York, N. Y. Filed July 25, 1924. Under ten-year proviso.

SCHERING & GLATZ.

Particular description of goods.—Analgesics, Anesthetics, Anodynes, Antiarthritics, Antiepileptics, Antifermentatives (Medical), Antigonorrheals, Antihemorrhoidals, Antineuralgics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antiseptics, Antispasmodics, Cardiac Sedatives, Carminatives, Cholagogues, Deodorants, Diagnostics, Disinfectants, Diuretics, Escharotics, Expectorants, Hypnotics, Intestinal Antiseptics, Mydriatics, Nerves, Neurotonics, Sedatives, Soporifics, Urinary Antiseptics.

Claims use since 1868.

Ser. No. 200,543. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) BENNESON & TREANOR, doing business as King Cole Co., Los Angeles, Calif. Filed July 26, 1924.



No claim is made to the exclusive use of the figure "5" and the mark "C" apart from the mark shown in the drawing.

Particular description of goods.—King Cole, a Non-alcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since June 19, 1924.

Ser. No. 200,576. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) PALMERTON BOTTLING WORKS, Palmetton, Pa. Filed July 26, 1924.



Particular description of goods.—Nonalcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since January, 1913.

Ser. No. 200,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE SULTZBACH, doing business as Maubel Insecticide Company, West Haven, Conn. Filed July 26, 1924.



No claim is made to the words "Trade Mark" appearing on the drawing.

Particular description of goods.—Insecticides and Rodent Exterminator.

Claims use since Apr. 19, 1924.

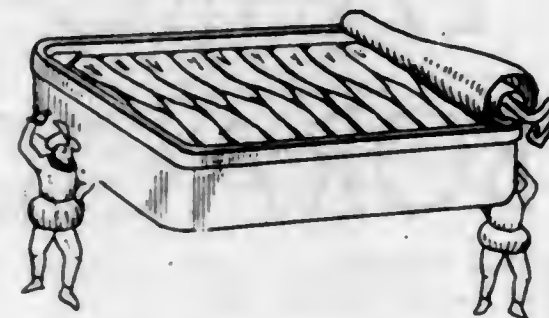
Ser. No. 200,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RENOUF RUSSELL, Keene, N. H. Filed July 28, 1924.



Particular description of goods.—Milk, Cream, and Liquid Preparations of Milk with Chocolate.
Claims use since July 1, 1921.

Ser. No. 200,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIUS DE BRUYN, doing business as M. de Bruyn Importing Co., New York, N. Y. Filed July 29, 1924.

Siliput



No claim is made to the pictorial representation of the goods apart from the mark as shown on the drawing.
Particular description of goods.—Prepared Foods, Specifically Canned Sardines.

Claims use since July, 1923.

Ser. No. 200,684. (CLASS 39. CLOTHING.) KREIDER-CREVELING SHOE CO., Boston, Mass. Filed July 29, 1924.



Trade-mark "Playflex."

Particular description of goods.—Boots and Shoes of Leather and Combinations of Leather, Fabric, and Rubber.

Claims use since July 11, 1924.

Ser. No. 200,721. (CLASS 39. CLOTHING.) SAMUEL D. LASDON & Co., New York, N. Y. Filed July 30, 1924.



No claim is made to the words "Le Chapeau" apart from the mark shown in the drawing.

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since July 2, 1924.

Ser. No. 200,779. (CLASS 38. PRINTS AND PUBLICATIONS.) RADIO AGE, INC., Chicago, Ill. Filed July 31, 1924.



The words "The Magazine of the Hour" are hereby disclaimed in the statement apart from the mark shown.

Particular description of goods.—Periodical Published Monthly.

Claims use since Apr. 8, 1922.

Ser. No. 200,804. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BARNES SCALE COMPANY, Detroit, Mich. Filed Aug. 1, 1924.



No claim is made to the word "Quality" apart from the mark shown by the drawing.

Particular description of goods.—Weighing Scales.
Claims use since Aug. 2, 1921.

Ser. No. 200,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS, MEARS COMPANY, Boston, Mass. Filed Aug. 1, 1924.



Without waiving any common-law rights, applicant hereby disclaims exclusive use of all the wording apart from the mark as shown in the drawing.

Particular description of goods.—EGGS.
Claims use since Apr. 1, 1904.

Ser. No. 200,844. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE E. BALDWIN, doing business as Mongrel Pup Company, Seattle, Wash. Filed Aug. 2, 1924.

Mongrel Pup

Particular description of goods.—Nonalcoholic Maltless Syrup Used in the Preparation of Soft Drinks.
Claims use since June 1, 1924.

Ser. No. 200,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

CUTICLEAR

Particular description of goods.—Cleansing and Toning Cream for the Skin.
Claims use since Jan. 1, 1910.

Ser. No. 200,851. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

EMAGRIN

Particular description of goods.—Remedy for Colds and Headaches.
Claims use since May 1, 1923.

Ser. No. 200,852. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

EUCALAYA

Particular description of goods.—Hair Tonic and Dandruff Treatment.
Claims use since Jan. 1, 1909.

Ser. No. 200,853. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

LAURO-BORACIC

Particular description of goods.—Eye Bath.
Claims use since Jan. 1, 1909.

Ser. No. 200,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

Obtundobulls

Particular description of goods.—Rectal Suppository.
Claims use since Jan. 1, 1909.

Ser. No. 200,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

Rectobulls

Particular description of goods.—Rectal Suppository.
Claims use since Jan. 1, 1909.

Ser. No. 200,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

RUSALKA

Particular description of goods.—Perfume.
Claims use since Jan. 1, 1909.

Ser. No. 200,857. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

SANCHIA

Particular description of goods.—Perfume.
Claims use since Jan. 1, 1909.

Ser. No. 200,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

SANITANT

Particular description of goods.—Disinfectant.
Claims use since Jan. 1, 1909.

Ser. No. 200,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

TALIZIN

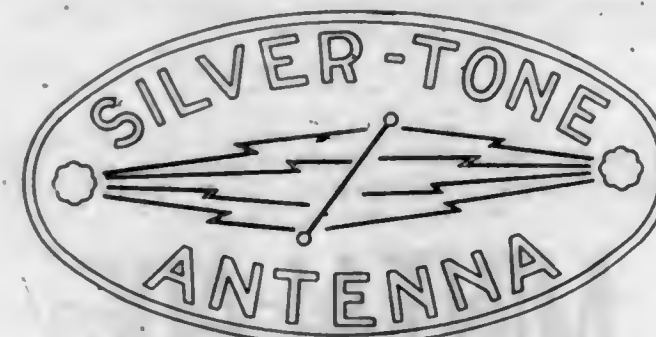
Particular description of goods.—Toilet Powder.
Claims use since Jan. 1, 1909.

Ser. No. 200,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

Vagiobulls.

Particular description of goods.—Vaginal Suppository.
Claims use since Jan. 1, 1909.

Ser. No. 200,863. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLONIAL BRASS COMPANY, Middleboro, Mass. Filed Aug. 2, 1924.



No claim is made to a monopoly of the word "Antenna."

Particular description of goods.—Antenna Wire.
Claims use since on or about Sept. 4, 1923.

Ser. No. 200,873. (CLASS 7. CORDAGE.) FISHER BROS. PAPER COMPANY, Fort Wayne, Ind. Filed Aug. 2, 1924.



Applicant claims no exclusive use of the word "Brand" apart from the mark shown.

Particular description of goods.—Nonmetallic Clotheslines, Cotton Twine, Sisal Twine, Jute Twine, Linen Twine, Fiber Twine, Hemp and Tube Rope, Paper-Makers' Twine, Java Twine, Flax Twine, and Roving.
Claims use since July 30, 1924.

Ser. No. 200,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE R. B. LILES GRAIN COMPANY, Colorado Springs, Colo. Filed Aug. 2, 1924.

RED STRIPE

Particular description of goods.—Egg Mash and Hen Scratch Feeds.
Claims use since Dec. 1, 1923.

Ser. No. 200,891. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. MEINHARDT & Co., also doing business as The Home Mfg. Company, Chicago, Ill. Filed Aug. 2, 1924.

GOLDEN GRAIN

Particular description of goods.—Malt Extract for Food Purposes.
Claims use since May 17, 1924.

Ser. No. 200,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MISSION PRODUCTS CO., Seattle, Wash. Filed Aug. 2, 1924.

El Estado

Particular description of goods.—Cleansing and Vanishing Creams.
Claims use since Apr. 1, 1923.

Ser. No. 200,914. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JASON WEILER & SONS, Boston, Mass. Filed Aug. 2, 1924.

LOVELOCK

Particular description of goods.—Finger Rings.
Claims use since on or about June 15, 1924.

Ser. No. 200,937. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Goliath

Particular description of goods.—Mouth Harmonicas.
Claims use since March, 1907.

Ser. No. 200,938. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

X-L-O

Particular description of goods.—Mouth Harmonicas.
Claims use since February, 1910.

Ser. No. 200,939. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Drum Major

Particular description of goods.—Mouth Harmonicas.
Claims use since July, 1913.

Ser. No. 200,940. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Lucky Strike

Particular description of goods.—Mouth Harmonicas.
Claims use since November, 1922.

Ser. No. 200,941. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Happy Days

Particular description of goods.—Mouth Harmonicas.
Claims use since February, 1922.

Ser. No. 200,942. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Atta Boy

Particular description of goods.—Mouth Harmonicas.
Claims use since November, 1922.

Ser. No. 200,943. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Spear

Particular description of goods.—Mouth Harmonicas.
Claims use since January, 1922.

Ser. No. 200,944. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Uncle Sam

Particular description of goods.—Mouth Harmonicas.
Claims use since May, 1912.

Ser. No. 200,945. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HÖHNER, INC., New York, N. Y. Filed Aug. 4, 1924.

Jolly Pals

Particular description of goods.—Mouth Harmonicas.
Claims use since August, 1922.

Ser. No. 200,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KENICE PRESERVING CO., Clay City, Ind. Filed Aug. 4, 1924.

MINTALADE

Particular description of goods.—Mint Sauce.
Claims use since about Aug. 1, 1920.

Ser. No. 200,953. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MASKIN- OCH BRÖRIGGNADES AKTIEBOLAGET, Helsingfors, Finland. Filed Aug. 4, 1924.

Lacta

Particular description of goods.—Dairy Machinery—viz, Cream Separators.
Claims use since June 1, 1911.

Ser. No. 200,954. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MASKIN- OCH BRÖRIGGNADES AKTIEBOLAGET, Helsingfors, Finland. Filed Aug. 4, 1924.



Particular description of goods.—Dairy Machinery—viz, Cream Separators.
Claims use since Aug. 15, 1912.

Ser. No. 200,960. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PLAZA MUSIC CO., New York, N. Y. Filed Aug. 4, 1924.

PLAYTIME

Trade-mark consists of the word "Playtime."
Particular description of goods.—Phonograph Records and Books Therefor.
Claims use since July 22, 1924.

Ser. No. 200,978. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BLACKFOOT TIRE AND RUBBER COMPANY, Chicago, Ill. Filed Aug. 5, 1924.

BLACKFOOT

Particular description of goods.—Vehicle Tire Casings and Tubes.
Claims use since July 30, 1924.

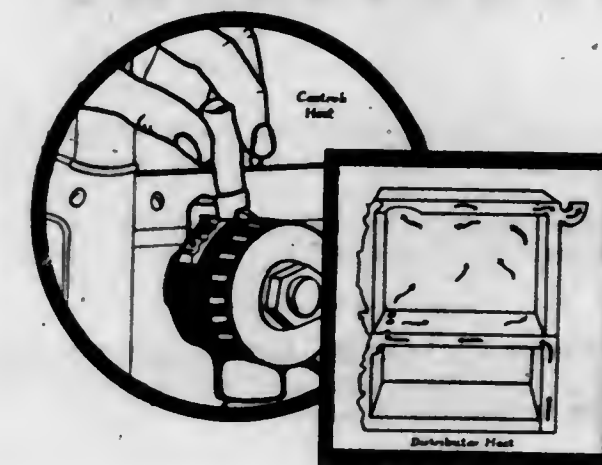
327 O. G.—3

Ser. No. 201,019. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CLARK PRODUCTS COMPANY, Toledo, Ohio. Filed Aug. 6, 1924.

Peecox

Particular description of goods.—Hardening Solution for Paints and Varnishes.
Claims use since Apr. 28, 1924.

Ser. No. 201,046. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Aug. 6, 1924.



No claim is made to the words "Roper, Controls Heat Distributes Heat," and to the representation of the stove appliance and construction apart from the mark as shown, without, however, waiving any common-law rights thereto.

Particular description of goods.—Gas Stoves and Ranges.
Claims use since February, 1923.

Ser. No. 201,071. (CLASS 38. PRINTS AND PUBLICATIONS.) ALL-SPORTS, INC., Chicago, Ill. Filed Aug. 7, 1924.

All-Sports

Particular description of goods.—Magazines Published Monthly.
Claims use since May 1, 1924.

Ser. No. 201,081. (CLASS 38. PRINTS AND PUBLICATIONS.) FONTAINE FOX, New York, N. Y. Filed Aug. 7, 1924.

The Powerful Katrinka's Little Brother.

Particular description of goods.—Series of Cartoons.
Claims use since July 28, 1924.

Ser. No. 201,091. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) LANKERSHIM FRUIT PRODUCTS CO., Lankershim, Calif. Filed Aug. 7, 1924.



No exclusive claim is made to the words "Ginger Ale" and "Extra Dry" apart from the mark shown in the drawing.

Particular description of goods.—Ginger Ale.
Claims use since June 1, 1924.

Ser. No. 201,129. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGEWATER BEACH HOTEL COMPANY, Chicago, Ill. Filed Aug. 8, 1924.

RIPPLES

Particular description of goods.—Monthly Periodical.
Claims use since July 15, 1922.

Ser. No. 201,134. (CLASS 38. PRINTS AND PUBLICATIONS.) THE GAGE PUBLISHING COMPANY, INCORPORATED, New York, N. Y. Filed Aug. 8, 1924.

**Electrical
Record**

Particular description of goods.—Monthly Magazine.
Claims use since 1907.

Ser. No. 201,132. (CLASS 38. PRINTS AND PUBLICATIONS.) GAGE INTERNATIONAL PUBLISHING CORPORATION, New York, N. Y. Filed Aug. 8, 1924.

**Electricidad
en América**

Particular description of goods.—Monthly Magazine.
Claims use since January, 1923.

Ser. No. 201,146. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) A. J. KIRSTIN COMPANY, Escanaba, Mich. Filed Aug. 8, 1924.



Without waiver of any common-law rights, the applicant disclaims the words "Gage" and "Escanaba, Mich." appearing in the mark apart from the mark as shown in the drawing.

Particular description of goods.—Gasoline Gauges.
Claims use since Apr. 1, 1924.

Ser. No. 201,150. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) R. G. MORTON & SON, Zanesville, Ohio. Filed Aug. 8, 1924.

**ONE
HOUR
ENAMELYK**

Particular description of goods.—Automobile Polish.
Claims use since Apr. 1, 1924.

Ser. No. 201,155. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) M. F. PATTERSON DENTAL SUPPLY COMPANY, Chicago, Ill., and St. Paul, Minn. Filed Aug. 8, 1924.



Particular description of goods.—Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work.
Claims use since July 23, 1924.

Ser. No. 201,165. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VERDI & ROSSINI MUSIC HOUSE, New York, N. Y. Filed Aug. 8, 1924.

Verdi & Rossini



Particular description of goods.—Pianos, Player Pianos, Electrically-Operated Pianos, Phonographs, Music Rolls, and Phonograph Records.
Claims use since July 21, 1924.

Ser. No. 201,168. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE H. N. WHITE COMPANY, Cleveland, Ohio. Filed Aug. 8, 1924.

Saxello

Particular description of goods.—Wind Instruments and More Particularly Saxophones.
Claims use since July 14, 1924.

Ser. No. 201,175. (CLASS 38. PRINTS AND PUBLICATIONS.) BUILDERS EXCHANGE PUBLISHING COMPANY, Youngstown, Ohio. Filed Aug. 9, 1924.

**BUILDERS
RECORD**

Particular description of goods.—Monthly Magazine.
Claims use since July 30, 1924.

Ser. No. 201,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BESSIE I. CLARK, doing business as The Humming Bird Co., Detroit, Mich. Filed Aug. 9, 1924.



HUMMING BIRD HAIR GROWER

Disclaimer is made of the words "Hair Grower" apart from the mark shown.

Particular description of goods.—Hair Grower.
Claims use since Aug. 1, 1924.

Ser. No. 201,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FEDERAL PRODUCTS CO., Cincinnati, Ohio. Filed Aug. 9, 1924.



Particular description of goods.—Completely-Denatured Alcohol.
Claims use since Apr. 1, 1924.

Ser. No. 201,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FEDERAL PRODUCTS CO., Cincinnati, Ohio. Filed Aug. 9, 1924.

Velva

Particular description of goods.—Cologne Spirits and Rubbing Alcohol.
Claims use since November, 1919.

Ser. No. 201,199. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTHONY S. LIVESY, New York, N. Y. Filed Aug. 9, 1924.



The words "Limes" and "Fresh Fruit" are disclaimed apart from the remainder of the mark shown on the drawing.

Particular description of goods.—Fresh Limes.
Claims use since July 1, 1924.

Ser. No. 201,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATHAN MILGRAM, doing business as Malt Products Co., Kansas City, Mo. Filed Aug. 9, 1924.



The lining shown in the drawing indicates the color green.

Particular description of goods.—Malt for Food Purposes.

Claims use since Apr. 12, 1924.

Ser. No. 201,208. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE RENNER PRODUCTS COMPANY, Akron, Ohio. Filed Aug. 9, 1924.

Zeppelin

Particular description of goods.—Nonalcoholic Malt Beverages.
Claims use since Feb. 25, 1924.

Ser. No. 201,212. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. SCHULZ COMPANY, Chicago, Ill. Filed Aug. 9, 1924.

ARIA DIVINA

Particular description of goods.—Reproducing Upright and Grand Pianos.
Claims use since about June 1, 1924.

Ser. No. 201,216. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESLEY J. WHITSON, Metairie Ridge, La. Filed Aug. 9, 1924.

RIDGE

Particular description of goods.—Shampoo.
Claims use since Jan. 1, 1924.

Ser. No. 201,218. (CLASS 39. CLOTHING.) L. B. BERGER & Co., Newark, N. J. Filed Aug. 11, 1924.

BOBMODE

Particular description of goods.—Women's Hats.
Claims use since February, 1924.

Ser. No. 201,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Aug. 11, 1924.

MALABOZA

Particular description of goods.—Food Colors in Paste, Dry, and Liquid Forms.
Claims use since June, 1922.

Ser. No. 201,251. (CLASS 37. PAPER AND STATIONERY.) NEENAH PAPER COMPANY, Neenah, Wis. Filed Aug. 11, 1924.

OLD COUNCIL TREE



Particular description of goods.—Bond Paper.
Claims use since Aug. 1, 1909.

Ser. No. 201,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. FRANK SHELLENBERGER Co., Philadelphia, Pa. Filed Aug. 11, 1924.

MENTH-O-LIC

Particular description of goods.—Cough Drops.
Claims use since 1910.

Ser. No. 201,272. (CLASS 38. PRINTS AND PUBLICATIONS.) SIDNEY J. WOLF, San Francisco, Calif. Filed Aug. 11, 1924.

THE STIRRING ROD

Particular description of goods.—Monthly Drug-Trade Magazine.
Claims use since June, 1914.

Ser. No. 201,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB S. C. BIRNBAUM, New York, N. Y. Filed Aug. 12, 1924.

DOROTHY'S

The trade-mark consists of the word "Dorothy's."
Particular description of goods.—Treatment for the Scalp and Dandruff.
Claims use since July 16, 1924.

Ser. No. 201,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Filed Aug. 12, 1924.

BQ

The trade-mark consists of the letters "B Q."
Particular description of goods.—Insecticides.
Claims use since July 16, 1924.

Ser. No. 201,314. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Filed Aug. 12, 1924.

TEXACO

The trade-mark consists of the word "Texaco."
Particular description of goods.—Insecticides.
Claims use since July 16, 1924.

Ser. No. 201,315. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Filed Aug. 12, 1924.



No claim is made to the exclusive use of the words and abbreviations "Reg. Trade Mark, Contains No Inert Ingredients, Manufactured By, Port Arthur, Texas, U. S. A." or "Patented May 13, 1924," apart from the mark as shown on the drawing.
Particular description of goods.—Insecticides.
Claims use since July 16, 1924.

Ser. No. 201,316. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed Aug. 13, 1924.

SUDAL

Particular description of goods.—Fluxes for Soldering Metals.
Claims use since Nov. 30, 1923.

Ser. No. 201,317. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed Aug. 13, 1924.

SUDALON

Particular description of goods.—Fluxes for Soldering Metals.
Claims use since Nov. 30, 1923.

Ser. No. 201,325. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Aug. 13, 1924.

SANTA MARSALA VERONA CONCERTO

Particular description of goods.—Accordions.
Claims use since 1914.

Ser. No. 201,327. (CLASS 38. PRINTS AND PUBLICATIONS.) BUSINESS EQUIPMENT PUBLISHING COMPANY, New York, N. Y. Filed Aug. 13, 1924.

Business Equipment

Particular description of goods.—Bimonthly Publication.
Claims use since Apr. 15, 1922.

Ser. No. 201,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALVAIRE, INC., New York, N. Y. Filed Aug. 13, 1924.



Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since July 24, 1924.

Ser. No. 201,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD J. ENDERES, New York, N. Y. Filed Aug. 13, 1924.



Particular description of goods.—Hair Cream.
Claims use since June 15, 1924.

Ser. No. 201,356. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEBONA, LTD., New York, N. Y. Filed Aug. 13, 1924.

LEBONA

Particular description of goods.—Toilet Soap.
Claims use since Apr. 16, 1917.

Ser. No. 201,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN F. ROSEMAN, Corvallis, Oreg. Filed Aug. 13, 1924.

TIP-SEN

Particular description of goods.—Preparation to be Used for Allaying Pain, Such as Headaches, Neuralgia, Rheumatism, Colds, and Grippe.
Claims use since Aug. 1, 1924.

Ser. No. 201,387. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA HELEN ARLT, Brooklyn, N. Y. Filed Aug. 14, 1924.



No claim is made to the words "Hand Made" apart from the mark shown.

Particular description of goods.—Rouge.
Claims use since Nov. 17, 1923.

Ser. No. 201,392. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) COOPER HEWITT ELECTRIC COMPANY, INC., Hoboken, N. J. Filed Aug. 14, 1924.

UVIARC

Particular description of goods.—Mercury-Vapor Arc Lamps as Sources of Ultra-Violet and Other Light for Medical and Surgical Use.
Claims use since January, 1924.

Ser. No. 201,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR JOHN JONES, Chicago, Ill. Filed Aug. 14, 1924.



Particular description of goods.—Fluid for Prevention and Removal of Corrosion of Metals.
Claims use since June 10, 1923.

Ser. No. 201,408. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARK LABORATORY CO. INC., San Antonio, Tex. Filed Aug. 14, 1924.



Particular description of goods.—Animal Insecticide.
Claims use since Apr. 1, 1924.

Ser. No. 201,418. (CLASS 25. LOCKS AND SAFES.) VERTACO MANUFACTURING COMPANY, Somerville, Mass. Filed Aug. 14, 1924.

The

Little

Millionaire

Particular description of goods.—Portable Savings Banks.
Claims use since Dec. 15, 1923.

Ser. No. 201,419. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHAS. WESELY COMPANY, Chicago, Ill. Filed Aug. 14, 1924.

STONE TEX

Particular description of goods.—Laundry Trays.
Claims use since July 1, 1924.

Ser. No. 201,431. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Aug. 15, 1924.



Particular description of goods.—Sensitized Photographic Paper.
Claims use since Aug. 7, 1924.

Ser. No. 201,450. (CLASS 39. CLOTHING.) THE HUT NECKWEAR COMPANY, INC., New York, N. Y. Filed Aug. 15, 1924.

Dove Back

Particular description of goods.—Men's Cravats.
Claims use since January, 1923.

Ser. No. 201,460. (CLASS 39. CLOTHING.) MASSACHUSETTS KNITTING MILLS, Boston, Mass. Filed Aug. 15, 1924.



Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1923.

Ser. No. 201,468. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed Aug. 15, 1924.

Up - Lift

Trade-mark consists of the words "Up-Lift."
Particular description of goods.—Apch Supports.
Claims use since 1907.

Ser. No. 201,472. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNY SOUTH GRAIN COMPANY, Birmingham, Ala. Filed Aug. 15, 1924.



Particular description of goods.—Livestock and Dairy Feeds.
Claims use since July 5, 1919.

Ser. No. 201,516. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LILLY J. STAFFORD, Gowanda, N. Y. Filed Aug. 16, 1924.

"CULTIHO"

Particular description of goods.—Combined Hoes and Cultivators.
Claims use since May 8, 1924.

Ser. No. 201,522. (CLASS 38. PRINTS AND PUBLICATIONS.) OHIO MOTORIST PUBLISHING COMPANY, Cleveland, Ohio. Filed Aug. 7, 1924.

The
**OHIO
MOTORIST**

Particular description of goods.—Monthly Magazine.
Claims use since Jan. 1, 1909.

Ser. No. 201,523. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN FORGE COMPANY, Chicago, Ill. Filed Aug. 18, 1924.

AM FORGE

Particular description of goods.—Upset Forgings.
Claims use since July 1, 1920.

Ser. No. 201,535. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Aug. 18, 1924.

BEARCAT

Particular description of goods.—Closet Seats.
Claims use since Aug. 2, 1924.

Ser. No. 201,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CEDAR FALLS CANNING CO., Cedar Falls, Iowa. Filed Aug. 18, 1924.

I-O-A

Particular description of goods.—Canned Vegetables.
Claims use since Apr. 8, 1924.

Ser. No. 201,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAUB-RICHARDSON CO., Waukegan, Wis. Filed Aug. 18, 1924.



The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Canned Vegetables.
Claims use since Apr. 7, 1924.

Ser. No. 201,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WINNER CANNING COMPANY, Circleville, Ohio. Filed Aug. 18, 1924.



The picture in the drawing represents the eminent musician, W. A. Mozart, deceased.

Particular description of goods.—Canned Vegetables and Canned Berries.
Claims use since 1912.

Ser. No. 201,624. (CLASS 38. PRINTS AND PUBLICATIONS.) THE POST PUBLISHING COMPANY, Bridgeport, Conn. Filed Aug. 19, 1924.

THE BRIDGEPORT POST

Particular description of goods.—Newspapers.
Claims use since 1883.

Ser. No. 201,625. (CLASS 38. PRINTS AND PUBLICATIONS.) THE POST PUBLISHING COMPANY, Bridgeport, Conn. Filed Aug. 19, 1924.

BRIDGEPORT SUNDAY POST

Particular description of goods.—Newspapers.
Claims use since 1911.

Ser. No. 201,626. (CLASS 38. PRINTS AND PUBLICATIONS.) THE POST PUBLISHING COMPANY, Bridgeport, Conn. Filed Aug. 19, 1924.

THE BRIDGEPORT TELEGRAM

Particular description of goods.—Newspapers.
Claims use since 1891.

Ser. No. 201,632. (CLASS 38. PRINTS AND PUBLICATIONS.) WALDORF-ASTORIA SERVICE CORPORATION, New York and Long Island City, N. Y. Filed Aug. 19, 1924.

**Tavern
Topics**

Particular description of goods.—Magazine Published Monthly.
Claims use since January, 1920.

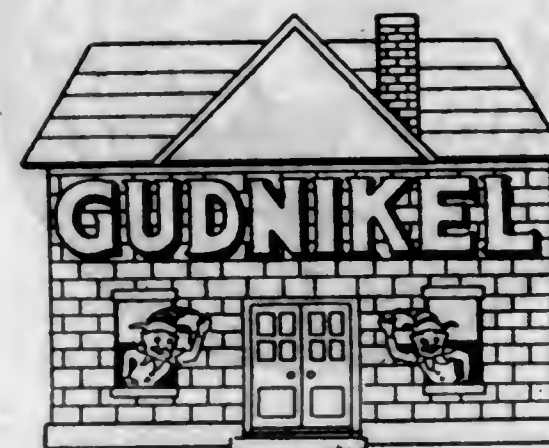
Ser. No. 201,661. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B. HELLER & COMPANY, Chicago, Ill. Filed Aug. 20, 1924.

FREEZE-EM

Particular description of goods.—Cleansing, Washing, and Scouring Preparation Used for General Cleaning Purposes, Especially in the Cleansing, Washing, and Scouring of Ice Boxes, Refrigerators, Show Cases, Floors of Public and Semipublic Buildings, and in Other Commercial or Business Buildings.

Claims use since June 10, 1924.

Ser. No. 201,699. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR H. DU BOIS, doing business as The Great Swiss Candy Mfg. Co., Chicago, Ill. Filed Aug. 21, 1924.



Particular description of goods.—Candy.
Claims use since July 17, 1924.

Ser. No. 201,721. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TERRA BELLA CITRUS ASSOCIATION, Terra Bella, Calif. Filed Aug. 21, 1924.

TRUPAK

Particular description of goods.—Fresh Citrous Fruits.
Claims use since May 7, 1924.

Ser. No. 201,727. (CLASS 38. MUSICAL INSTRUMENTS AND SUPPLIES.) WHIRLWIND CORPORATION, Philadelphia, Pa. Filed Aug. 21, 1924.

Music Box

Particular description of goods.—Talking-Machine Records.
Claims use since Aug. 11, 1924.

Ser. No. 201,789. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif. Filed Aug. 22, 1924.

UNIVERSAL

Particular description of goods.—Fresh Citrous Fruits—Namely, Fresh Oranges and Fresh Lemons.
Claims use since January, 1915.

Ser. No. 201,791. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A-MER-IC-AL COMPANY, Chicago, Ill. Filed Aug. 23, 1924.

— (G C) —
A-MER-IC-AL

Particular description of goods.—Cleaning and Polishing Paste.
Claims use since May 15, 1924.

Ser. No. 201,820. (CLASS 17. TOBACCO PRODUCTS.) FARRIS R. SPIRE, Detroit, Mich. Filed Aug. 23, 1924.



Particular description of goods.—Cigarettes.
Claims use since July 7, 1924.

Ser. No. 201,826. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHAS. W. YOUNG & Co., Philadelphia, Pa. Filed Aug. 23, 1924.

BUBBLES

Particular description of goods.—Powdered Soap.
Claims use since Aug. 4, 1924.

Ser. No. 201,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLINS-HENCKE CANDY CO., San Francisco, Calif. Filed Aug. 25, 1924.

TRU-ART

Particular description of goods.—Candy.
Claims use since Aug. 4, 1924.

Ser. No. 201,847. (CLASS 10. FERTILIZERS.) DAIRY WALT M. HELMICK, Columbus, Ohio. Filed Aug. 25, 1924.

Ky-in-do

Particular description of goods.—Fertilizers.
Claims use since July 1, 1924.

Ser. No. 201,938. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STAMPOGRAPH COMPANY, Chicago, Ill. Filed Aug. 27, 1924.

STAMPOGRAPH

Particular description of goods.—Hand-Operated Printing Devices.
Claims use since Apr. 1, 1924.

Ser. No. 201,948. (CLASS 17. TOBACCO PRODUCTS.) ANDY DEHNER CIGAR CO., Burlington, Iowa. Filed Aug. 28, 1924.



Particular description of goods.—Cigars.
Claims use since January, 1889.

Ser. No. 201,972. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NYE TOOL & MACHINE WORKS, Chicago, Ill. Filed Aug. 28, 1924.

"The Tools you swear BY and never AT"

Particular description of goods.—Pipe Cutters, Pipe-Cutter Wheels, Pipe Vises, Vise Stands, Pipe Dies, and Pipe Diestocks.
Claims use since Aug. 1, 1918.

Ser. No. 201,976. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PHILIPPINE MANUFACTURING COMPANY, Manila, P. I. Filed Aug. 28, 1924.

FILMA

Particular description of goods.—Soap.
Claims use since 1913.

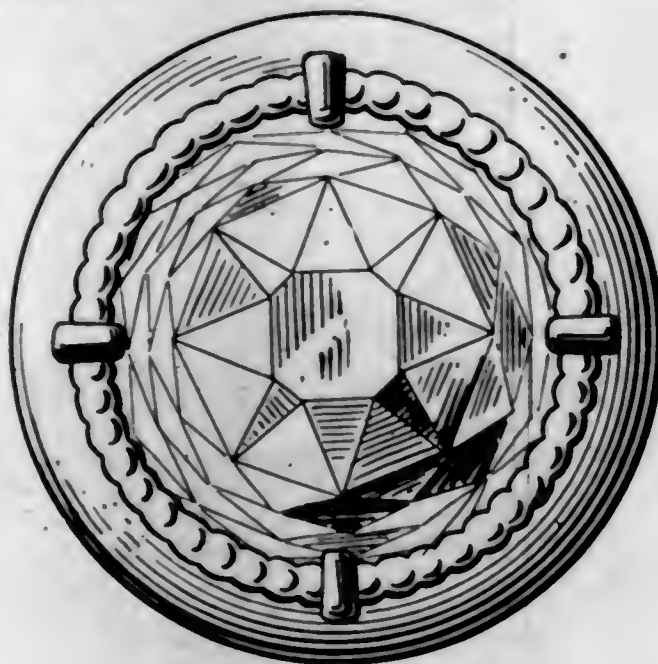
Ser. No. 201,991. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE UNITED STATES DENTAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 28, 1924.

ALONIUM

Particular description of goods.—Root-Canal Instruments, Root-Canal Cleaners, Root-Canal Drills, Root-Canal Probes, Root-Canal Knives, Root-Canal Files, Root-Canal Reamers, Medicine Carriers, Root Fillers, Root Elevators, Dental Mandrels, Screw Mandrels, and Disk Mandrels.

Claims use since Feb. 27, 1923.

Ser. No. 202,000. (CLASS 25. LOCKS AND SAFES.) THE BURNS COMPANY, New York, N. Y. Filed Aug. 29, 1924.



Trade-mark consists of precious, semiprecious, or imitation stone.

Particular description of goods.—Savings Banks.
Claims use since June 1, 1924.

Ser. No. 202,007. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DUNHAM COMPANY, Berea, Ohio. Filed Aug. 29, 1924.

WATEROLA

Particular description of goods.—Water-Weighted Lawn Mowers.
Claims use since July 1, 1924.

Ser. No. 202,098. (CLASS 17. TOBACCO PRODUCTS.) COLUMBIA CLUB CIGAR COMPANY, Ogden, Utah. Filed Sept. 2, 1924.

Up-to-you

Particular description of goods.—Cigars.
Claims use since Nov. 1, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 7, 1924.

190,052. ACCELERATORS FOR COMBUSTION ENGINES. WILTON S. SCHUTLER, doing business as W. S. Schutler Manufacturing Company, Cincinnati, Ohio.
Filed May 11, 1923. Serial No. 180,502. PUBLISHED JULY 22, 1924.

190,053. PET-ROCK-OPERATING TOOL. WILLIAM BORTH, Baraboo, Wis.
Filed May 11, 1923. Serial No. 180,466. PUBLISHED JULY 22, 1924.

190,054. HOSIERY AND UNDERWEAR MANUFACTURED FROM KNITTED AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN. HOFFMAN HOSIERY COMPANY, Philadelphia, Pa.
Filed May 1, 1923. Serial No. 180,008. PUBLISHED JULY 29, 1924.

190,055. BOYS' COATS AND GIRLS' COATS. SAMUEL SPITZ & SONS, Inc., Chicago, Ill.
Filed April 20, 1923. Serial No. 179,431. PUBLISHED JULY 29, 1924.

190,056. PRESERVED MEATS. VILMA STANISITS, Rockville Center, N. Y.
Filed March 27, 1923. Serial No. 178,148. PUBLISHED DECEMBER 11, 1923.

190,057. MEN'S LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,990. PUBLISHED JULY 22, 1924.

190,058. MEN'S AND BOYS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,987. PUBLISHED JULY 22, 1924.

190,059. MEN'S, WOMEN'S, BOYS', AND GIRLS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,984. PUBLISHED JULY 22, 1924.

190,060. MEN'S, WOMEN'S, BOYS', AND GIRLS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,982. PUBLISHED JULY 22, 1924.

190,061. MEN'S, WOMEN'S, BOYS', AND GIRLS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,977. PUBLISHED JULY 22, 1924.

190,062. MEN'S LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,976. PUBLISHED JULY 22, 1924.

190,063. MEN'S AND BOYS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,966. PUBLISHED JULY 22, 1924.

190,064. CABINETMAKERS' CLAMPS. HARRY V. HOLMAN, doing business as The Holman Clamp Company, Chicago, Ill.
Filed January 11, 1923. Serial No. 174,448. PUBLISHED JULY 22, 1924.

190,065. WOVEN SILK UNDERWEAR. SAMUEL N. MAGILL, Inc., Philadelphia, Pa.
Filed October 30, 1922. Serial No. 171,372. PUBLISHED JULY 29, 1924.

190,066. CONNECTING-ROD AND MAIN MOTOR BEARINGS, RING GEARS AND PINIONS, AXLE SHAFTS, DIFFERENTIAL CASES, AND SILENT TIMING GEARS. WILLIAM F. GRAWET, doing business as Peoria Auto Parts Co., Peoria, Ill.
Filed August 30, 1922. Serial No. 168,885. PUBLISHED JULY 29, 1924.

190,067. DENTAL AMALGAM. I. STERN & COMPANY, New York, N. Y.
Filed August 28, 1922. Serial No. 168,808. PUBLISHED JULY 22, 1924.

190,068. MACHINES, DEVICES, MACHINERY, AND APPARATUS FOR MAKING CONCRETE AND SIMILAR MATERIAL, PARTICULARLY CONCRETE MIXERS, PAVING MIXERS, BUILDING MIXERS, AND GROUTERS. EQUIPMENT CORPORATION OF AMERICA, Chicago, Ill.
Filed May 5, 1922. Serial No. 163,386. PUBLISHED JULY 22, 1924.

190,069. GIRDLES AND CORSETS. SARAH O. GRADY, Chicago, Ill.
Filed December 16, 1921. Serial No. 156,787. PUBLISHED JULY 22, 1924.

190,070. SMOKING AND CHEWING TOBACCO. COMBERLAND TOBACCO WORKS, Nashville, Tenn.
Filed March 22, 1921. Serial No. 145,057. PUBLISHED MARCH 25, 1924.

190,071. LIFTING-JACKS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed June 30, 1920. Serial No. 134,428. PUBLISHED AUGUST 24, 1920.

190,072. TOOTHBRUSH STERILIZERS. THOMPSON GERMICIDAL STERILIZER CO. INC., Los Angeles, Calif.
Filed May 26, 1924. Serial No. 197,630. PUBLISHED JULY 29, 1924.

190,073. TIRE-CHAIN ADJUSTERS. THE WASHBURN COMPANY, Worcester, Mass.
Filed May 26, 1924. Serial No. 197,636. PUBLISHED JULY 22, 1924.

190,074. LOCK WASHERS. THE WASHBURN COMPANY, Worcester, Mass.
Filed May 26, 1924. Serial No. 197,637. PUBLISHED JULY 22, 1924.

190,075. LOCK WASHERS. THE WASHBURN COMPANY, Worcester, Mass.
Filed May 26, 1924. Serial No. 197,638. PUBLISHED JULY 22, 1924.

190,076. TIRE-CHAIN ADJUSTERS. THE WASHBURN COMPANY, Worcester, Mass.
Filed May 26, 1924. Serial No. 197,641. PUBLISHED JULY 22, 1924.

190,077. PESSARY. THE BEE CELL CO., Buffalo, N. Y.
Filed May 27, 1924. Serial No. 197,651. PUBLISHED JULY 29, 1924.

190,078. METALLIC ALLOY, PARTICULARLY AN ALLOY FOR THE PRODUCTION OF WHITE GOLD. STANDARD PLATINUM COMPANY, INC., New York, N. Y.
Filed May 27, 1924. Serial No. 197,690. PUBLISHED JULY 22, 1924.

OCTOBER 7, 1924

U. S. PATENT OFFICE.

45

190,079. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,734. PUBLISHED JULY 22, 1924.

190,080. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,735. PUBLISHED JULY 22, 1924.

190,081. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,736. PUBLISHED JULY 22, 1924.

190,082. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,737. PUBLISHED JULY 22, 1924.

190,083. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,738. PUBLISHED JULY 22, 1924.

190,084. SPECIAL MOISTUREPROOF PREFORMED AND PREBAKED TWO-PIECE EASILY-FRANGIBLE EDIBLE CONTAINERS FOR ICE CREAM OR OTHER FROZEN ICES OR OTHER CONGEALED EDIBLE SUBSTANCES. ZERRRO WAFFLE COMPANY, Washington, D. C.
Filed May 28, 1924. Serial No. 197,789. PUBLISHED JULY 29, 1924.

190,085. OLIVE OIL. SALVATORE ESPOSITO & BROS., New York, N. Y.
Filed May 31, 1924. Serial No. 197,870. PUBLISHED JULY 29, 1924.

190,086. MACHINES FOR MAKING CREAM DEPOSITORS FOR HAND-ROLLED CENTERS FOR CANDY AND CHOCOLATES. REX PRODUCTS CO., INC., Los Angeles, Calif.
Filed May 14, 1924. Serial No. 197,049. PUBLISHED JULY 22, 1924.

190,087. BRASSIERES, BRASSIERE CORSETS, AND BANDEAUX. BELFIT BRASSIERE CO., INC., Brooklyn, N. Y.
Filed May 13, 1924. Serial No. 196,950. PUBLISHED JULY 22, 1924.

190,088. FINGER TIPS FOR SHAPING THE FINGERS. TAPERITE COMPANY, Chicago, Ill.
Filed May 10, 1924. Serial No. 196,889. PUBLISHED JULY 22, 1924.

190,089. CAN MACHINERY—NAMELY, DOUBLE SEAMERS, BODY MAKERS, FLANGERS, SLIT-TERS, CURLERS, CAN STRAIGHTENERS AND CAN TESTERS, AND CEMENT MIXERS. ANGELUS SANITARY CAN MACHINE COMPANY, Los Angeles, Calif.
Filed May 10, 1924. Serial No. 196,846. PUBLISHED JULY 22, 1924.

190,090. LADIES' HATS. SUMNER W. THORPE, Spartanburg, S. C., and Savannah, Ga.
Filed May 9, 1924. Serial No. 196,837. PUBLISHED JULY 22, 1924.

190,091. PISTONS. TAYLOR MANUFACTURING COMPANY, Inc., Cambridge, Mass.
Filed May 9, 1924. Serial No. 196,836. PUBLISHED JULY 22, 1924.

190,092. CLOTH CAPS FOR MEN. NELLIE G. COALTER, Fort Wayne, Ind.
Filed April 23, 1924. Serial No. 196,007. PUBLISHED JULY 29, 1924.

190,093. MOTION-PICTURE FILMS. WARNER BROTHERS PICTURES, INC., New York, N. Y.
Filed April 21, 1924. Serial No. 195,927. PUBLISHED JULY 11, 1924.

190,094. MOTION PICTURES. THE FUN SHOP, INC., New York, N. Y.
Filed April 21, 1924. Serial No. 195,880. PUBLISHED JULY 22, 1924.

190,095. CRANK-CASE DRAIN-PLUG ADAPTER. STANDARD OIL COMPANY, San Francisco, Calif.
Filed April 17, 1924. Serial No. 195,722. PUBLISHED JULY 22, 1924.

190,096. CRANK-CASE DRAIN-PLUG ADAPTER. STANDARD OIL COMPANY, San Francisco, Calif.
Filed April 17, 1924. Serial No. 195,721. PUBLISHED JULY 22, 1924.

190,097. CRANK-CASE DRAIN-PLUG ADAPTER. STANDARD OIL COMPANY, San Francisco, Calif.
Filed April 17, 1924. Serial No. 195,720. PUBLISHED JULY 22, 1924.

190,098. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHT ROBES, UNDERWEAR, AND SHIRTS, INCLUDING DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed April 17, 1924. Serial No. 195,674. PUBLISHED JULY 29, 1924.

190,099. SPICES. VAN LOAN & COMPANY, New York, N. Y.
Filed April 14, 1924. Serial No. 195,557. PUBLISHED JULY 29, 1924.

190,100. MALT SIRUP FOR FOOD PURPOSES. HARRY H. SCHNEIDER, New York, N. Y.
Filed April 14, 1924. Serial No. 195,541. PUBLISHED JULY 29, 1924.

190,101. DISHWASHING MACHINES. HELEN KOCH DE SHERBININ, Buffalo, N. Y.
Filed April 14, 1924. Serial No. 195,503. PUBLISHED JULY 29, 1924.

190,102. WOMEN'S LINGERIE, KNITTED UNDERWEAR, AND SCARFS AND SKIRTS. WYANT WAY OF NEW YORK, INCORPORATED, Dover, Del., and Minneapolis, Minn.
Filed April 10, 1924. Serial No. 195,321. PUBLISHED JULY 29, 1924.

190,103. WORK SHIRTS, DRESS SHIRTS, FLANNEL SHIRTS, WORK COATS, AND OVERALLS. SIGNAL SHIRT COMPANY, Racine, Wis.
Filed April 10, 1924. Serial No. 195,306. PUBLISHED JULY 29, 1924.

190,104. MEN'S AND BOYS' READY-MADE OR READY-TO-WEAR CLOTHING. B. KIPPENHEIMER & CO., Inc., Chicago, Ill.
Filed April 7, 1924. Serial No. 195,111. PUBLISHED JULY 29, 1924.

190,105. METAL ALLOY ADAPTED FOR USE IN JEWELRY AND SIMILAR TRADES. W. E. ATZ, doing business as H. L. Lebe Company, Newark, N. J.
Filed April 5, 1924. Serial No. 195,042. PUBLISHED JULY 22, 1924.

190,106. BALL COCKS AND TRIP LEVERS FOR BALL COCKS. NORTHERN INDIANA BRASS COMPANY, Elkhart, Ind.
Filed April 3, 1924. Serial No. 194,940. PUBLISHED JULY 29, 1924.

190,107. LADIES' SANITARY UNDERGARMENTS TO BE USED AS A COMBINATION SANITARY BELT, SANITARY APRON, BLOOMER, AND PROTECTOR. HELENE MANUFACTURING CO., Scranton, Pa.
Filed April 1, 1924. Serial No. 194,798. PUBLISHED JULY 22, 1924.

190,108. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, RUBBER, OR TEXTILE MATERIAL. C. B. SLATER COMPANY, South Braintree, Mass.
Filed March 27, 1924. Serial No. 194,573. PUBLISHED JULY 22, 1924.

190,109. KITS OF SOCKET WRENCHES. THE KEYSTONE MANUFACTURING CO., Buffalo, N. Y.
Filed March 27, 1924. Serial No. 194,543. PUBLISHED JULY 29, 1924.

- 190,110. HOSIERY. THE GANO-DOWNS CLOTHING COMPANY, Denver, Colo.
Filed April 24, 1924. Serial No. 196,054. PUBLISHED JULY 22, 1924.
- 190,111. KNITTED NECKTIES AND MUFFLERS. FRANKLIN KNITTING MILLS, Inc., New York, N. Y.
Filed March 22, 1924. Serial No. 194,266. PUBLISHED JULY 29, 1924.
- 190,112. SHEET IRON AND SHEET-IRON PRODUCTS—NAMESLY, CULVERTS, IRRIGATION PIPE, AIR PIPE, WELL CASINGS, FLUMES, AND IRRIGATION GATES. THE R. HARDESTY MANUFACTURING CO., Denver, Colo.
Filed May 21, 1924. Serial No. 197,372. PUBLISHED JULY 22, 1924.
- 190,113. CULVERTS, IRRIGATION PIPE AND GATES, AIR PIPE, WELL CASINGS, AND FLUMES, ALL CONSTRUCTED OF SHEET IRON. THE R. HARDESTY MANUFACTURING CO., Denver, Colo.
Filed May 21, 1924. Serial No. 197,371. PUBLISHED JULY 22, 1924.
- 190,114. MEN'S FLANNEL NEGLIGEE SHIRTS. I. H. BARNETT & BROTHER, New York, N. Y.
Filed May 21, 1924. Serial No. 197,353. PUBLISHED JULY 29, 1924.
- 190,115. DRESS SHIRTS, GOWNS, AND PYJAMAS. CARLETON DRY GOODS CO., St. Louis, Mo.
Filed May 20, 1924. Serial No. 197,323. PUBLISHED JULY 29, 1924.
- 190,116. WOVEN FABRIC UNDERGARMENTS FOR CHILDREN. LA MODE GARMENT CO., Chicago, Ill.
Filed May 19, 1924. Serial No. 197,284. PUBLISHED JULY 29, 1924.
- 190,117. HOISTING ATTACHMENTS FOR TRACTORS. THE BEAR CAT HOIST COMPANY, Muskogee, Okla.
Filed May 19, 1924. Serial No. 197,244. PUBLISHED JULY 22, 1924.
- 190,118. CORSETS, CORSET WAISTS, BRASSIERES, BANDIAUX, GIRDLES, BELTS FOR PERSONAL WEAR, DIAPHRAGM CONFINERS, HOSE SUPPORTERS, COMBINATIONS OF CORSETS AND BRASSIERES, LADIES' AND CHILDREN'S TEXTILE-FABRIC UNDERWEAR, CAMISOLES, LADIES' VESTS, CHEMISES, BLOOMERS, STEPPERS, PETTICOATS, LADIES' DRESSES, SHIRT WAISTS, BLOUSES, SLEEPING GARMENTS—NAMESLY, NIGHTGOWNS AND PYJAMAS. AMERICAN LADY CORSET CO., Detroit, Mich.
Filed May 19, 1924. Serial No. 197,239. PUBLISHED JULY 29, 1924.
- 190,119. OPTICAL CELLULOID TEMPLES AND CELLULOID FRONTS, OPTICAL METAL HINGES, METAL SCREWS, AND METAL RIVETS. NEWARK NOVELLOID CO., Newark, N. J.
Filed May 17, 1924. Serial No. 197,213. PUBLISHED JULY 29, 1924.
- 190,120. MEN'S AND YOUNG MEN'S TOPCOATS, OVERCOATS, COATS, VESTS, AND TROUSERS. DAVE LEVINE, doing business as Dave Levine & Co., New York, N. Y.
Filed May 16, 1924. Serial No. 197,159. PUBLISHED JULY 29, 1924.
- 190,121. MEAT BROILERS. DEEP DRAWN METAL CORPORATION, Brooklyn, N. Y.
Filed May 16, 1924. Serial No. 197,138. PUBLISHED JULY 22, 1924.
- 190,122. BUTTER AND EGGS. SAMUEL G. BURTON, Wheeling, W. Va.
Filed May 16, 1924. Serial No. 197,130. PUBLISHED JULY 29, 1924.
- 190,123. PILE-WIRE BLADES. LOX SEAL CORPORATION, Brooklyn, N. Y.
Filed May 15, 1924. Serial No. 197,100. PUBLISHED JULY 22, 1924.

- 190,124. ELECTRICAL APPARATUS FOR GIVING ILLUMINATION AND AT THE SAME TIME VAPORIZING AND GIVING OFF LIQUID DISINFECTANTS, MEDICAMENTS, AIR-PURIFYING, SMOKE-CONSUMING, AND LIKE SUBSTANCES. KARLSRUHER KUNSTGEWERBLICHE WERKSTÄTTEN C. F. OTTO MÜLLER G. M. B. H., Karlsruhe, Germany.
Filed May 15, 1924. Serial No. 197,082. PUBLISHED JULY 22, 1924.
- 190,125. URINALS, CLOSETS, VENTILATED CLOSETS, DRINKING FOUNTAINS, LAVATORIES, WASH SINKS, SHOWERS, SHOWER COMPARTMENTS, STEEL CLOSETS, KITCHEN SINKS, WATER COOLERS, CLOSET SEATS, CLOSET BOWLS, LAUNDRY TRAYS, AND CLOSET FLUSH VALVES. THE D. A. ERINGER SANITARY MFG. CO., Columbus, Ohio.
Filed May 15, 1924. Serial No. 197,060. PUBLISHED JULY 29, 1924.
- 190,126. WORK CLOTHING FOR MEN, PARTICULARLY WORK SHIRTS. HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y.
Filed May 21, 1924. Serial No. 197,375. PUBLISHED JULY 29, 1924.
- 190,127. LAWN RAKES. LINDSAY CHAPLET & MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 22, 1924. Serial No. 197,440. PUBLISHED JULY 22, 1924.
- 190,128. CAKES, CHOCOLATES, CANDIES, AND PASTRY. OSKAR PISCHINGER, INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,449. PUBLISHED JULY 29, 1924.
- 190,129. KITCHEN AND TABLE KNIVES AND FORKS MADE OF BASE METAL. JOHN C. RAILEY, New Haven, Conn.
Filed May 24, 1924. Serial No. 197,559. PUBLISHED JULY 22, 1924.
- 190,130. HOSIERY. HOLYOKE SILK HOSIERY COMPANY, Holyoke, Mass.
Filed May 26, 1924. Serial No. 197,599. PUBLISHED JULY 29, 1924.
- 190,131. LADIES', MEN'S, AND CHILDREN'S HOSIERY. DAVID JACOBS CORPORATION, New York, N. Y.
Filed May 26, 1924. Serial No. 197,601. PUBLISHED JULY 29, 1924.
- 190,132. COIN-OPERATED VENDING MACHINES. THE NORRIS MANUFACTURING CO., Columbus, Ohio.
Filed May 26, 1924. Serial No. 197,616. PUBLISHED JULY 22, 1924.
- 190,133. EVAPORATED MILK, DRY AND POWDERED MILK, DRY AND POWDERED SKIMMED MILK, MALTED MILK, CREAM, CHEESE, COFFEE WITH MILK. NESTLE & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland.
Filed January 7, 1922. Serial No. 157,630. PUBLISHED APRIL 29, 1924.
- 190,134. BOYS' AND GIRLS' LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed March 5, 1923. Serial No. 176,983. PUBLISHED JULY 22, 1924.
- 190,135. GOLF BALLS, GOLF CLUBS, AND GOLF BAGS. FRANKEL BROS., New York, N. Y.
Filed June 14, 1923. Serial No. 181,985. PUBLISHED JULY 29, 1924.
- 190,136. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. L. H. KIRKPATRICK, Walsenburg, Colo.
Filed July 3, 1923. Serial No. 182,756. PUBLISHED DECEMBER 25, 1923.
- 190,137. DOLLS, MANIKEN DOLLS, FIGURE DOLLS REPRESENTING ANIMALS, HUMAN FIGURES, AND GROTESQUE CHARACTERS; FAVORS, AND WHEELED TOYS. ENRICO SCAVINI, Turin, Italy.
Filed August 7, 1923. Serial No. 184,187. PUBLISHED JULY 29, 1924.

- 190,138. CIGARS, CIGARETTES, AND SMOKING AND CHEWING TOBACCO. PEOPLES DRUG STORES, INC., Washington, D. C.
Filed December 19, 1923. Serial No. 189,913. PUBLISHED JULY 29, 1924.
- 190,139. MEN'S MADE-TO-ORDER SUITS OF CLOTHING. WM. MARNITZ CO., Milwaukee, Wis.
Filed February 9, 1924. Serial No. 192,080. PUBLISHED JULY 22, 1924.
- 190,140. BOX GAMES PLAYED WITH A ROLLING OBJECT. POP NOVELTY CO., New York, N. Y.
Filed April 1, 1924. Serial No. 194,816. PUBLISHED JULY 29, 1924.
- 190,141. GAMES AND TOYS, PARTICULARLY FOR A FORTUNE-TELLING GAME PLAYED WITH BLADES, DICE CUBES, AND A FORTUNE-TELLING CHART. EUGENE LEVAY, doing business as Le Vay Studio, New York, N. Y.
Filed April 2, 1924. Serial No. 194,874. PUBLISHED JULY 29, 1924.
- 190,142. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHTROBES, UNDERWEAR, AND SHIRTS, INCLUDING DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed April 17, 1924. Serial No. 195,670. PUBLISHED JULY 22, 1924.
- 190,143. WOMEN'S HATS. R. H. MACY & CO., INC., New York, N. Y.
Filed May 1, 1924. Serial No. 196,394. PUBLISHED JULY 22, 1924.
- 190,144. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, OR TEXTILE MATERIAL. THE MUNROE SHOE COMPANY, INC., Auburn, Me.
Filed May 2, 1924. Serial No. 196,470. PUBLISHED JULY 22, 1924.
- 190,145. MEN'S, BOYS', WOMEN'S, GIRLS', AND CHILDREN'S HATS. HIRSCHBERG & COMPANY, New York, N. Y.
Filed May 6, 1924. Serial No. 196,660. PUBLISHED JULY 22, 1924.
- 190,146. LEATHER SHOES. J. E. FRENCH CO., Rockland, Mass.
Filed May 7, 1924. Serial No. 196,700. PUBLISHED JULY 22, 1924.
- 190,147. GOLF BALLS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 13, 1924. Serial No. 196,956. PUBLISHED JULY 29, 1924.
- 190,148. INFANTS' AND CHILDREN'S SHOES OF LEATHER, CANVAS, RUBBER, AND COMBINATIONS THEREOF. GLASER SHOE COMPANY, San Francisco, Calif.
Filed May 15, 1924. Serial No. 197,070. PUBLISHED JULY 22, 1924.
- 190,149. MINERAL WATERS; GASES, POWDERS, AND SALTS FOR MINERAL WATERS; AND CONDENSATES OF SAID SALTS. AGUA IMPERIAL, SOCIEDAD ANONIMA, Barcelona, Spain.
Filed May 29, 1924. Serial No. 197,792. PUBLISHED JULY 29, 1924.
- 190,150. CIGARS. JACOB HOLDEN, doing business as Holden & Earle, Worcester, Mass.
Filed June 5, 1924. Serial No. 198,137. PUBLISHED JULY 29, 1924.
- 190,151. CIGARETTES. SOCIÉTÉ ANONYME ED. LAURENS—"LE KHÉDIVE"—EXTENSION SUISSE, Geneva, Switzerland.
Filed June 5, 1924. Serial No. 198,157. PUBLISHED JULY 29, 1924.
- 190,152. DOLLS AND TOYS. GEORGE BORGFELDT & CO., New York, N. Y.
Filed June 6, 1924. Serial No. 198,172. PUBLISHED JULY 29, 1924.

- 190,153. DOLLS. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed June 9, 1924. Serial No. 198,326. PUBLISHED JULY 29, 1924.
- 190,154. CIGARS. CUESTA, REI & COMPANY, Tampa, Fla.
Filed June 16, 1924. Serial No. 198,623. PUBLISHED JULY 29, 1924.
- 190,155. HOSIERY. JOHN P. WALKER, doing business as Silkknit Hosiery Company, Chicago, Ill.
Filed May 31, 1924. Serial No. 197,916. PUBLISHED JULY 29, 1924.
- 190,156. COFFEE, TEAS, SPICES. MILO COFFEE CO., Inc., San Francisco, Calif.
Filed May 31, 1924. Serial No. 197,892. PUBLISHED JULY 29, 1924.
- 190,157. CORSETS, BRASSIERES, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS. INC., New York, N. Y.
Filed May 31, 1924. Serial No. 197,884. PUBLISHED JULY 29, 1924.
- 190,158. LADIES' HOSIERY. BERKS KNITTING COMPANY, Inc., Reading, Pa.
Filed June 2, 1924. Serial No. 197,924. PUBLISHED JULY 29, 1924.
- 190,159. MEN'S, YOUTHS', AND BOYS' DRESS SHIRTS, FANCY SHIRTS, AND FLANNEL SHIRTS. SCHOTT BROS., New York, N. Y.
Filed June 2, 1924. Serial No. 197,963. PUBLISHED JULY 29, 1924.
- 190,160. CHOCOLATE-COVERED WAFERS. THOMAS-DAGGETT COMPANY, Grand Rapids, Mich.
Filed June 2, 1924. Serial No. 197,969. PUBLISHED JULY 29, 1924.
- 190,161. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Y & B HOSIERY MILLS, Reading, Pa.
Filed June 2, 1924. Serial No. 197,976. PUBLISHED JULY 29, 1924.
- 190,162. MEN'S, WOMEN'S, AND CHILDREN'S HOSE. J. ZINSMEISTER & SONS, Louisville, Ky.
Filed June 2, 1924. Serial No. 197,977. PUBLISHED JULY 29, 1924.
- 190,163. DRESS, NEGLIGEE, AND WORK SHIRTS. WILLIAM R. MOORE DRY GOODS COMPANY, Memphis, Tenn.
Filed June 3, 1924. Serial No. 198,021. PUBLISHED JULY 29, 1924.
- 190,164. CURTAIN RODS, DRAPERY HARDWARE, AND WINDOW-SHADE HARDWARE. KENNEY MANUFACTURING COMPANY, Cranston, R. I.
Filed June 4, 1924. Serial No. 198,069. PUBLISHED JULY 29, 1924.
- 190,165. HYDROMETER SYRINGES. CON MANOS, doing business as E-X-L Hydrometer Works, Cicero, Ill.
Filed June 5, 1924. Serial No. 198,148. PUBLISHED JULY 29, 1924.
- 190,166. MAYONNAISE. BRYAN-KEEFE & CO., Tampa, Fla.
Filed June 7, 1924. Serial No. 198,222. PUBLISHED JULY 29, 1924.
- 190,167. VACUUM CLEANERS AND PARTS THEREOF. GUSTAV DRESCHER, Halle on the Saale, Germany.
Filed June 9, 1924. Serial No. 198,291. PUBLISHED JULY 22, 1924.
- 190,168. PNEUMATIC PAINTING AND INDUSTRIAL SURFACE FINISHING EQUIPMENT. SPRAY ENGINEERING COMPANY, Boston, Mass.
Filed December 17, 1923. Serial No. 189,822. PUBLISHED JULY 22, 1924.
- 190,169. SPATS. EAGLE KNITTING MILLS, Milwaukee, Wis.
Filed December 7, 1923. Serial No. 189,362. PUBLISHED JULY 22, 1924.

- 190,170. VALVE TAPPETS. JOHN C. HOOF & COMPANY, Chicago, Ill.
Filed October 12, 1923. Serial No. 186,006. PUBLISHED JULY 22, 1924.
- 190,171. MEN'S FELT, STRAW, CLOTH, AND SILK HATS AND CAPS. SHULMAN BROTHERS & KARBEN, INCORPORATED, Detroit, Mich.
Filed October 13, 1923. Serial No. 186,967. PUBLISHED JULY 29, 1924.
- 190,172. HOSIERY. PATERSON KNITTING MILLS INC., Paterson, N. J., assignor to Paterson Mutual Hosiery Mills, Inc., a Corporation of New Jersey.
Filed September 20, 1923. Serial No. 185,984. PUBLISHED JANUARY 8, 1924.
- 190,173. CARRIER IRONS, CENTERING DEVICES, AND STRIKING CASTINGS USED IN CONNECTION WITH DRAFT MECHANISM FOR RAILWAY CARS. AMERICAN STEEL FOUNDRIES, Chicago, Ill.
Filed September 14, 1923. Serial No. 185,777. PUBLISHED JULY 22, 1924.
- 190,174. BREAD AND CAKE. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1923. Serial No. 185,733. PUBLISHED JULY 29, 1924.
- 190,175. STENCILS FOR PRODUCING DECORATIVE DESIGNS UPON THE HUMAN BODY. JAMES J. KANN, New York, N. Y.
Filed September 11, 1923. Serial No. 185,659. PUBLISHED JULY 22, 1924.
- 190,176. LAWN MOWERS. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed September 10, 1923. Serial No. 185,626. PUBLISHED JULY 22, 1924.
- 190,177. MEN'S, WOMEN'S, AND CHILDREN'S FELT SHOES AND SLIPPERS. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed August 11, 1923. Serial No. 184,339. PUBLISHED FEBRUARY 19, 1924.
- 190,178. SENSITIZED PHOTOGRAPHIC PAPERS. GEVAERT PHOTO-PRODUCTS, N. V., Oude-Goed, near Antwerp, Belgium.
Filed August 9, 1923. Serial No. 184,240. PUBLISHED OCTOBER 30, 1923.
- 190,179. FERMENTATION METERS. ARTHUR JOHN BANKS, St. Lambert, Quebec, Canada.
Filed August 3, 1923. Serial No. 184,016. PUBLISHED JULY 29, 1924.
- 190,180. CHILDREN'S UNDERPETTICOATS, PRINCESS SLIPS, KIMONOS, NIGHTGOWNS, SACKETS, BLOOMERS AND COMBINATIONS, DRAWERS, DRAWERWAISTS, AND PYJAMAS FOR GIRLS AND BOYS. D. W. KAATZE CO., INC., New York and Brooklyn, N. Y.
Filed July 28, 1923. Serial No. 183,796. PUBLISHED JULY 29, 1924.
- 190,181. WOMEN'S BOOTS AND SHOES MADE OF LEATHER OR CLOTH. HAMILTON-BROWN SHOE CO., St. Louis, Mo.
Filed July 16, 1923. Serial No. 183,284. PUBLISHED FEBRUARY 19, 1924.
- 190,182. HARDWARE CLOTH AND POULTRY NETTING. G. F. WRIGHT STEEL & WIRE COMPANY, Worcester, Mass.
Filed July 7, 1923. Serial No. 182,951. PUBLISHED JULY 22, 1924.
- 190,183. CAST BEARINGS AND BUSHINGS. STANDARD MOTOR PRODUCTS CO., San Francisco, Calif.
Filed July 3, 1923. Serial No. 182,773. PUBLISHED JULY 29, 1924.
- 190,184. NAILS USED IN THE MANUFACTURE OF BOOTS AND SHOES. UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass.
Filed June 14, 1923. Serial No. 182,023. PUBLISHED JULY 29, 1924.

- 190,185. NAILS USED IN THE MANUFACTURE OF BOOTS AND SHOES. UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass.
Filed June 14, 1923. Serial No. 182,022. PUBLISHED JULY 29, 1924.
- 190,186. NECKTIES AND CRAVATS. BERKLEY KNITTING COMPANY, Philadelphia, Pa.
Filed June 8, 1923. Serial No. 181,068. PUBLISHED JULY 29, 1924.
- 190,187. CRUCIBLES. VEREUVIER CRUCIBLE COMPANY, Swissvale, Pa.
Filed May 22, 1923. Serial No. 180,992. PUBLISHED JULY 22, 1924.
- 190,188. SHACKLE-BOLT NUTS. THE FERRY CAP & SET SCREW CO., Cleveland, Ohio.
Filed May 9, 1924. Serial No. 190,799. PUBLISHED JULY 22, 1924.
- 190,189. COMBINATION GAS AND WATER HEATERS. DAVIS ENGINEERING CORPORATION, Wilmington, Del., and Elizabeth, N. J.
Filed May 9, 1924. Serial No. 190,794. PUBLISHED JULY 22, 1924.
- 190,190. ABSORBENT FABRICS. ABSORBENT PRODUCTS CORPORATION, New York, N. Y.
Filed May 9, 1924. Serial No. 190,783. PUBLISHED JULY 22, 1924.
- 190,191. LADIES' HATS. H. L. DISTILLATOR & SON, INC., New York, N. Y.
Filed May 7, 1924. Serial No. 190,696. PUBLISHED JULY 22, 1924.
- 190,192. MEN'S AND CHILDREN'S OVERCOATS. COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed May 7, 1924. Serial No. 190,694. PUBLISHED JULY 29, 1924.
- 190,193. HOSIERY. JOSEPH P. VOORHEES, New York, N. Y.
Filed May 6, 1924. Serial No. 190,684. PUBLISHED JULY 29, 1924.
- 190,194. GASOLINE-SAVING DEVICES FOR AUTOMOBILE ENGINES. HAROLD G. SCHLECHT, Palatka, Fla.
Filed May 6, 1924. Serial No. 190,678. PUBLISHED JULY 22, 1924.
- 190,195. KNITTED DRESSES, SWEATERS, AND SUITS. PEERLESS SWEATER MILLS, INC., New York, N. Y.
Filed May 5, 1924. Serial No. 190,618. PUBLISHED JULY 29, 1924.
- 190,196. METALS FOR GOLD DENTAL CASTINGS. VINCENT J. LUONGO & COMPANY, Brooklyn, N. Y.
Filed May 5, 1924. Serial No. 190,601. PUBLISHED JULY 22, 1924.
- 190,197. MEN'S SACK COATS, CUTAWAY COATS, FULL-DRRESS SUITS, TUXEDO SUITS, PRINCE ALBERT SUITS, AND GOLF SUITS; MEN'S AND BOYS' ULSTERS, TOPCOATS, OVERCOATS, TROUSERS, KNICKERHOCKERS, VESTS, SUITS, NECKTIES, CRAVATS, SCARFS, COLLARS, HARD AND SOFT FELT HATS, STRAW HATS, CAPS, DRESS SHIRTS, SPORT SHIRTS, NEGLIGENCE SHIRTS, WORK SHIRTS, SWEATERS, HOSIERY, AND KNITTED AND TEXTILE FABRIC UNDERWEAR; AND WOMEN'S SUITS, COATS, DRESSES, HOSIERY, SWEATERS, SCARFS, COLLARS, AND NECKTIES. D. T. LANGBOCK, INC., New Haven, Conn.
Filed May 3, 1924. Serial No. 190,528. PUBLISHED JULY 29, 1924.
- 190,198. MECHANICAL FLOOR WAXERS AND POLISHERS AND PARTS THEREOF, INCLUDING REPAIR PARTS. FLOOR WAXER & POLISHER CORPORATION, New York, N. Y.
Filed May 3, 1924. Serial No. 190,518. PUBLISHED JULY 29, 1924.

- 190,199. KNITTED SWEATERS, CAPS, AND SCARFS; WOMEN'S KNITTED SUITS AND DRESSES, MEN'S KNITTED SUITS, KNITTED BREECHES, WRISTLETS, AND GOLF GLOVES. HIGHLAND SHAKER SWEATER CO., Camden, N. J.
Filed May 1, 1924. Serial No. 190,387. PUBLISHED JULY 29, 1924.
- 190,200. VETERINARY LINIMENT. WILLIAM S. LOUGER, doing business as V. L. Company, Cleveland, Ohio.
Filed February 26, 1919. Serial No. 116,160. PUBLISHED JULY 29, 1924.
- 190,201. TOY PAINTING SETS. SHERMAN L. PARMENTER, New York, N. Y.
Filed May 24, 1922. Serial No. 164,453. PUBLISHED AUGUST 5, 1924.
- 190,202. PREPARATION FOR USE IN THE TREATMENT OF THE HAIR AND SCALP. MABEL C. KING, Baltimore, Md.
Filed August 8, 1922. Serial No. 168,040. PUBLISHED JULY 22, 1924.
- 190,203. MEDICAL LIQUORS USEFUL IN THE TREATMENT OF CERTAIN DISEASES. GREGORY A. PATICH, Washington, D. C.
Filed August 12, 1922. Serial No. 168,168. PUBLISHED JULY 29, 1924.
- 190,204. DOLL. FLEISCHAKER & BAUM, New York, N. Y.
Filed June 12, 1923. Serial No. 181,883. PUBLISHED AUGUST 5, 1924.
- 190,205. CERTAIN NAMED TOILET ARTICLES. MYRROGA S. A., Barcelona, Spain.
Filed August 4, 1923. Serial No. 184,225. PUBLISHED JULY 22, 1924.
- 190,206. WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. HAINES MANUFACTURING CORPORATION, Rochester, N. Y.
Filed November 8, 1923. Serial No. 188,115. PUBLISHED FEBRUARY 19, 1924.
- 190,207. FLOATING TOYS. MALLY PEABODY BEACH, Ridgefield, Conn.
Filed November 17, 1923. Serial No. 188,465. PUBLISHED AUGUST 5, 1924.
- 190,208. GAME BOARD PLAYED WITH PUNCHES. JAMES R. IRVIN & CO. INC., Chicago, Ill.
Filed February 5, 1924. Serial No. 191,830. PUBLISHED AUGUST 5, 1924.
- 190,209. GLANDULAR EXTRACTS FOR THE TREATMENT OF LIVER DISEASE. DR. L. PLANTIER, Annonay, France.
Filed March 13, 1924. Serial No. 193,726. PUBLISHED JULY 22, 1924.
- 190,210. SOFT DRINKS. CLOVER LEAF PRODUCTS CO., Los Angeles, Calif.
Filed April 2, 1924. Serial No. 194,849. PUBLISHED AUGUST 5, 1924.
- 190,211. PERFUMES, TOILET WATERS, FACE POWDER, TALCUM POWDER, BRILLIANTINE, EAU DE COLOGNE, ROUGE, LOTION FOR THE SKIN AND HAIR. SOCIETE COMMANDITE CHOME & CIE., Lille, France.
Filed May 2, 1924. Serial No. 196,483. PUBLISHED JULY 22, 1924.
- 190,212. GOLF BALLS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 9, 1924. Serial No. 196,804. PUBLISHED AUGUST 5, 1924.
- 190,213. GOLF BALLS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 10, 1924. Serial No. 196,861. PUBLISHED AUGUST 5, 1924.
- 190,214. LICORICE PASTE. MACANDREWS & FORBES COMPANY, Camden, N. J., and New York, N. Y.
Filed May 12, 1924. Serial No. 196,919. PUBLISHED JULY 22, 1924.

- 190,215. PHOTOGRAPHIC DEVELOPER. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y.
Filed May 12, 1924. Serial No. 196,926. PUBLISHED JULY 29, 1924.
- 190,216. WEIGHT-REDUCING BATH PREPARATION. THE SAN-I-SAL LABORATORIES, INC., Washington, D. C.
Filed May 12, 1924. Serial No. 196,932. PUBLISHED JULY 22, 1924.
- 190,217. BAKING POWDER. WILLIAM F. MACGLASHIAN, Buffalo, N. Y.
Filed May 17, 1924. Serial No. 197,206. PUBLISHED JULY 22, 1924.
- 190,218. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. CHARLES G. BLANDFORD, Ossining, N. Y.
Filed May 20, 1924. Serial No. 197,319. PUBLISHED AUGUST 5, 1924.
- 190,219. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. CHARLES G. BLANDFORD, Ossining, N. Y.
Filed May 20, 1924. Serial No. 197,320. PUBLISHED AUGUST 5, 1924.
- 190,220. CITRATE OF MAGNESIA. KLEINSCHMIDT LABORATORIES, INC., Newark, N. J.
Filed June 2, 1924. Serial No. 197,945. PUBLISHED JULY 29, 1924.
- 190,221. LIVER PILLS. WALTER OLIVER CLATTON, Grand Island, Nebr.
Filed June 2, 1924. Serial No. 197,925. PUBLISHED JULY 29, 1924.
- 190,222. REMEDY FOR THE TREATMENT OF EPILEPSY. IDA S. VAN DORIN, doing business as Herbetta Manufacturing Company, Indianapolis, Ind.
Filed May 31, 1924. Serial No. 197,915. PUBLISHED JULY 29, 1924.
- 190,223. VEGETABLE COMPOUND FOR THE RELIEF OF DISEASES OF THE LIVER AND KIDNEYS. FRANCIS J. TRAUDT, doing business as Dr. Hoffman Medicine Company, St. Louis, Mo.
Filed May 31, 1924. Serial No. 197,913. PUBLISHED JULY 29, 1924.
- 190,224. MOUTH DISINFECTANT. GEORGE S. MANDICH, doing business as G. S. M. Puro-Septic Co., Cleveland, Ohio.
Filed May 31, 1924. Serial No. 197,888. PUBLISHED JULY 29, 1924.
- 190,225. GOLF TEE—I. E., A DEVICE FOR ELEVATING A GOLF BALL ABOVE THE LEVEL OF THE GROUND. CLARENCE W. FULLER, doing business as Top Not Tee Co., Yonkers, N. Y.
Filed May 28, 1924. Serial No. 197,755. PUBLISHED AUGUST 5, 1924.
- 190,226. REMEDY FOR PERSPIRING AND ACHING FEET. REBECCA DAWIDOFF, New York, N. Y.
Filed May 28, 1924. Serial No. 197,705. PUBLISHED JULY 29, 1924.
- 190,227. ICE CREAM. THE NISER ICE CREAM COMPANY, Cincinnati, Ohio.
Filed May 27, 1924. Serial No. 197,676. PUBLISHED JULY 29, 1924.
- 190,228. PREPARATION FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN. S. B. LEONARDI & CO. INC., New Rochelle, N. Y.
Filed May 27, 1924. Serial No. 197,670. PUBLISHED JULY 29, 1924.
- 190,229. SOLVENTS FOR GUMS, RESINS, CELLULOSE ESTERS, AND THE LIKE, AND FOR EXTRACTING ESSENTIAL OILS. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed May 27, 1924. Serial No. 197,656. PUBLISHED JULY 22, 1924.

- 190,230. PREPARATION FOR KILLING AND REPELLING FLIES AND DESIGNED ESPECIALLY TO BE SPRAYED UPON CATTLE. F. W. BARBER, doing business as The Barber Products Company, Nashville, Tenn.
Filed May 27, 1924. Serial No. 197,650. PUBLISHED JULY 29, 1924.
- 190,231. BILLIARD-CUE TIPS. OSCAR H. TWEETEN, doing business as Tweeten Fibre Co., Not Inc., Chicago, Ill.
Filed May 26, 1924. Serial No. 197,633. PUBLISHED AUGUST 5, 1924.
- 190,232. HEALING SALVE AND ANTIPAIN BALM. THE STEVENS LABORATORIES, Oakland, Calif.
Filed May 26, 1924. Serial No. 197,629. PUBLISHED JULY 22, 1924.
- 190,233. CHEMICAL PREPARATION FOR USE IN THE BATH IN THE TREATMENT OF RHEUMATISM, SCIATICA, NEURITIS, PLEURISY, LUMBAGO, MALARIA, ECZEMA, NEURASTHENIA, BLOOD, AND SKIN ERUPTIONS. THE STEVENS LABORATORIES, Oakland, Calif.
Filed May 26, 1924. Serial No. 197,628. PUBLISHED JULY 22, 1924.
- 190,234. PERFUMES. JEANNE LANVIN, Paris, France.
Filed May 26, 1924. Serial No. 197,604. PUBLISHED JULY 22, 1924.
- 190,235. PREPARATION FOR TREATMENT OF ECZEMA, ITCH, AND ALL SKIN ERUPTIONS. A. W. PIPE, Jacksonville, Fla.
Filed May 26, 1924. Serial No. 197,592. PUBLISHED JULY 22, 1924.
- 190,236. VEGETAL. UKEMCO CORPORATION, New York, N. Y.
Filed May 24, 1924. Serial No. 197,567. PUBLISHED JULY 29, 1924.
- 190,237. PREPARATION HELPFUL IN THE TREATMENT OF INDIGESTION. SIDNEY SIMON, doing business as Moon Products Company, New York, N. Y., assignor to Moon Products Company, Inc., New York, N. Y., a Corporation of New York.
Filed May 24, 1924. Serial No. 197,562. PUBLISHED JULY 22, 1924.
- 190,238. FACE POWDERS, FACE CREAMS, PERFUMES, TOILET WATERS, ROUGES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, SACHET POWDERS, AND FOOT POWDERS. JESTA LABORATORIES, New York, N. Y.
Filed May 24, 1924. Serial No. 197,543. PUBLISHED JULY 29, 1924.
- 190,239. MEDICINAL COMPOUND IN CANDY OR CHEWING-GUM FORM FOR THE TREATMENT OF PYORRHEA. GOLD + PLUS CORP., New York, N. Y.
Filed May 24, 1924. Serial No. 197,536. PUBLISHED JULY 22, 1924.
- 190,240. BOOTS AND SHOES OF LEATHER, FABRIC, AND LEATHER AND FABRIC. THE L. D. STICKLES SHOE CO., Red Wing, Minn.
Filed April 29, 1924. Serial No. 196,320. PUBLISHED JULY 29, 1924.
- 190,241. TOOL STEEL. COLUMBIA TOOL STEEL COMPANY, Chicago Heights, Ill.
Filed April 28, 1924. Serial No. 196,235. PUBLISHED JULY 22, 1924.
- 190,242. HATS AND CAPS FOR MEN AND BOYS, INCLUDING BOTH STRAW AND FELT HATS. THE UNION COMPANY, Columbus, Ohio.
Filed April 26, 1924. Serial No. 196,217. PUBLISHED JULY 29, 1924.
- 190,243. KNITTED SPORT SUITS AND KNITTED DRESSES FOR WOMEN; SWEATERS FOR MEN, WOMEN, AND BOYS; CAPES, SCARFS, NECKTIES, CRAVATS, AND GOLF HOSE. ROYAL-ASCOT KNITTING MILLS COMPANY, Philadelphia, Pa.
Filed April 26, 1924. Serial No. 196,196. PUBLISHED JULY 29, 1924.

- 190,244. CERTAIN METAL-WORKING MACHINES AND TOOLS. THE NATIONAL ACME COMPANY, Cleveland, Ohio.
Filed April 26, 1924. Serial No. 196,183. PUBLISHED JULY 29, 1924.
- 190,245. WRENCHES. LYNCH-MEAD MANUFACTURING CO., Turlock, Calif.
Filed April 26, 1924. Serial No. 196,167. PUBLISHED JULY 29, 1924.
- 190,246. BRASSIÈRES. MODEL BRASSIÈRE CO., INC., New York, N. Y.
Filed April 24, 1924. Serial No. 196,067. PUBLISHED JULY 29, 1924.
- 190,247. UNEXPOSED SENSITIZED PHOTOGRAPHIC FILMS. KOSMOS PHOTOGRAPHICS, LIMITED, London and Letchworth, England.
Filed April 24, 1924. Serial No. 196,063. PUBLISHED JULY 22, 1924.
- 190,248. STERILIZERS FOR DENTISTS, PHYSICIANS, HOSPITALS, VETERINARY SURGEONS, AND BARBERS AND BACTERIOLOGICAL INCUBATORS. WILMOT CASTLE COMPANY, Rochester, N. Y.
Filed December 18, 1923. Serial No. 189,875. PUBLISHED JULY 22, 1924.
- 190,249. CORN MILLS AND WOOD SAWS. NEW WILLIAMS MILL COMPANY, INC., North Wilkesboro, N. C.
Filed December 19, 1923. Serial No. 189,911. PUBLISHED JULY 22, 1924.
- 190,250. GRINDING MACHINES AND ATTACHMENTS THEREFOR. NORTON COMPANY, Worcester, Mass.
Filed January 7, 1924. Serial No. 190,514. PUBLISHED JULY 22, 1924.
- 190,251. BRASSIÈRES. THE BOTSHFORM BRASSIÈRE CO., New York, N. Y.
Filed January 14, 1924. Serial No. 190,760. PUBLISHED JULY 22, 1924.
- 190,252. BRASSIÈRES. THE BOTSHFORM BRASSIÈRE CO., New York, N. Y.
Filed January 14, 1924. Serial No. 190,761. PUBLISHED JULY 22, 1924.
- 190,253. FOOTWEAR MADE WHOLLY OR IN PART OF LEATHER. L. B. EVANS' SON COMPANY, Wakefield, Mass.
Filed January 16, 1924. Serial No. 190,877. PUBLISHED JULY 29, 1924.
- 190,254. HATS FOR MEN, WOMEN, AND CHILDREN. CHARLES WIMPFHEIMER, INC., Norwalk, Conn.
Filed January 22, 1924. Serial No. 191,154. PUBLISHED JULY 22, 1924.
- 190,255. BROKEN EGGS IN CANS. DETROIT BUTTER & EGG CO., Detroit, Mich.
Filed January 28, 1924. Serial No. 191,372. PUBLISHED JULY 29, 1924.
- 190,256. HOSIERY. CHIPMAN KNITTING MILLS, Easton, Pa.
Filed January 31, 1924. Serial No. 191,531. PUBLISHED JULY 29, 1924.
- 190,257. HOSIERY AND UNDERWEAR MADE OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. MERCHANTS TEXTILE SYNDICATE, Bay City, Mich.
Filed February 12, 1924. Serial No. 192,100. PUBLISHED JULY 29, 1924.
- 190,258. FERTILIZERS. FOUR SEASONS FERTILIZER CO., INC., New York, N. Y.
Filed February 19, 1924. Serial No. 192,526. PUBLISHED JULY 29, 1924.
- 190,259. CEMENT WASH TRAYS, TUBS, CONDUITS, AND THE LIKE. THE STAR CEMENT TRAY CO., San Francisco, Calif.
Filed February 20, 1924. Serial No. 192,587. PUBLISHED JULY 22, 1924.

- 190,260. MEDICINE PUT UP IN CAPSULE FORM TO BE USED IN THE TREATMENT OF VENEREAL DISEASES. F. F. WITTE, doing business as Red Seal Laboratories, Detroit, Mich.
Filed February 21, 1924. Serial No. 192,656. PUBLISHED JUNE 17, 1924.
- 190,261. HYDROMETERS. FRANCIS L. FREAR GLASS WORKS, Conshohocken, Pa.
Filed March 4, 1924. Serial No. 193,227. PUBLISHED JULY 22, 1924.
- 190,262. MEN'S OVERCOATS. SCORE'S BALACLAVA LIMITED, Toronto, Canada.
Filed March 8, 1924. Serial No. 193,475. PUBLISHED JULY 29, 1924.
- 190,263. GIRDLES FOR WOMEN'S WEAR. NATURES RIVAL CO., Chicago, Ill.
Filed March 11, 1924. Serial No. 193,613. PUBLISHED JULY 22, 1924.
- 190,264. SHOES MADE OF COMBINATIONS OF LEATHER, RUBBER, AND FABRIC. EDWARD C. TILL, Owego, N. Y.
Filed March 11, 1924. Serial No. 193,639. PUBLISHED JULY 29, 1924.
- 190,265. BANDEAU FOR THE HEAD. KAUFMANN BROTHERS, New York, N. Y.
Filed March 12, 1924. Serial No. 193,668. PUBLISHED JULY 22, 1924.
- 190,266. MINCEMEAT, LEMON BUTTER, PORK PIES, STILTON CHEESE, CURRANT PUDDING, FIG PUDDING, FRUIT PUDDING, AND PLUM PUDDING. EDWARD S. TEBBUTT, doing business as Tebbutt & Co., Brooklyn, N. Y.
Filed March 18, 1924. Serial No. 194,031. PUBLISHED JULY 29, 1924.
- 190,267. LEATHER JACKETS. THOMSON & KELLY CO., INC., Boston, Mass.
Filed March 18, 1924. Serial No. 194,032. PUBLISHED JULY 29, 1924.
- 190,268. WOMEN'S KNITTED UNDERWEAR. PORTAGE UNDERWEAR MANUFACTURING COMPANY, Portage, Wis.
Filed March 21, 1924. Serial No. 194,216. PUBLISHED JULY 29, 1924.

- 190,269. REGULAR COASTER WAGONS ADAPTED TO BE CHANGED INTO SLEDS. THE GEORGE DELKER COMPANY, Henderson, Ky.
Filed June 4, 1924. Serial No. 198,058. PUBLISHED AUGUST 5, 1924.
- 190,270. CHILDREN'S COASTER WAGONS. THE GEORGE DELKER COMPANY, Henderson, Ky.
Filed June 4, 1924. Serial No. 198,059. PUBLISHED AUGUST 5, 1924.
- 190,271. PREPARATION FOR THE TREATMENT OF YELLOW THRUSH, WHITE THRUSH, OR OTHER DISEASES OF THE MOUTH. JANE WALDRON, Okeechobee, Fla.
Filed June 4, 1924. Serial No. 198,098. PUBLISHED JULY 29, 1924.
- 190,272. PHOTOGRAPHIC DEVELOPER. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed June 5, 1924. Serial No. 198,126. PUBLISHED JULY 29, 1924.
- 190,273. FACE POWDERS, FACE CREAMS, PERFUMES, TOILET WATERS, ROUGES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, SACHET POWDERS, AND BATH SALTS. GLEBEAS IMPORTATION CO., New York, N. Y.
Filed June 6, 1924. Serial No. 198,179. PUBLISHED JULY 29, 1924.
- 190,274. SCALE AND RUST SOLVENTS FOR RADIATORS, STEAM BOILERS, AND THE LIKE. Mrs. C. GUNBY, Galveston, Tex.
Filed June 14, 1924. Serial No. 198,571. PUBLISHED JULY 29, 1924.
- 190,275. PAINT AND VARNISH BRUSHES. JOHN F. HERBERT & SONS, INC., Kingston, N. Y.
Filed June 14, 1924. Serial No. 198,572. PUBLISHED AUGUST 5, 1924.
- 190,276. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed June 18, 1924. Serial No. 198,771. PUBLISHED AUGUST 5, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

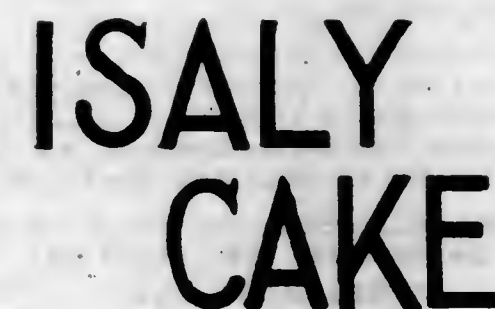
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 190,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SPRINGVILLE CANNING CO., Springville, N. Y. Filed Aug. 18, 1924. Serial No. 201,591.

- 190,278. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE AND THOMAS, Brookfield Township, Trumbull County, Ohio. Filed Aug. 16, 1924. Serial No. 201,497.



Particular description of goods.—Canned Fruits and Vegetables.
Claims use since 1906.



Particular description of goods.—Ice-Cream Cones.
Claims use since Mar. 1, 1923.

190,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARY MAPLE SUGAR CO., St. Johnsbury, Vt. Filed Aug. 9, 1924. Serial No. 201,177.

CARY'S

Particular description of goods.—Maple Sugar and Maple Syrup.
Claims use since June 1, 1923.

190,280. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DIAMOND BRAIDING MILLS, Chicago Heights, Ill. Filed July 31, 1924. Serial No. 200,752.

Corrugated TIPS

Particular description of goods.—Shoe Laces.
Claims use since Aug. 15, 1923.

190,281. (CLASS 2. RECEPTACLES.) W. D. BAYL ET, trustee of The E. W. Ross Company, Springfield, Ohio. Filed July 31, 1924. Serial No. 200,746.

ROSS

Particular description of goods.—Metal Silos.
Claims use since Jan. 1, 1912.

190,282. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES M. RASMUSSEN, Seattle, Wash. Filed June 3, 1924. Serial No. 198,029.

RASMUSSEN'S

Particular description of goods.—Tractor-Frame Side Plates and Tools—Namely, Hammers, Tongs, Stone Drills, Drift Punches, or Wrenches.
Claims use since Mar. 1, 1914.

190,283. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CRESCENT WASHING MACHINE COMPANY, INCORPORATED, New Rochelle, N. Y. Filed May 17, 1924. Serial No. 197,193.

LAVADORA DE PLATOS
FABRICADA POR
CRESCENT WASHING MACHINE CO.
NEW ROCHELLE, NEW YORK U.S.A.

Particular description of goods.—Dish-Washing Machines and Metal Parts Washing Machines.
Claims use since Jan. 20, 1923.

190,284. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. C. LAWRENCE LEATHER CO., Boston, Mass. Filed Apr. 27, 1922. Serial No. 162,996.

DUBLEOKE

Particular description of goods.—Shoe Parts—Namely, Welting in Continuous Strips.
Claims use since Apr. 7, 1921.

190,285. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GILBERT BROS. & CO., INC., Baltimore, Md. Filed July 18, 1923. Serial No. 183,376.

YAGER'S

COMPOUND EXTRACT

SARSAPARILLA WITH CELERY

Particular description of goods.—Preparation for Use as an Alternative, as a Tonic, as a Nerve Stimulant, and for Purifying the Blood.
Claims use since Nov. 15, 1897.

190,286. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GENERAL BIOLOGICAL SUPPLY HOUSE, INC., New York, N. Y., and Chicago, Ill. Filed May 16, 1924. Serial No. 197,145.

TURTOX PRODUCTS

Particular description of goods.—Prepared Skeletons and Bodies and Parts of Skeletons and Bodies of Men, Animals, and Plants; Casts or Models of Skeletons and Bodies and Parts of Skeletons and Bodies of Men, Plants and Animals.
Claims use since July 22, 1910.

190,287. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL MAGNESIA MANUFACTURING CO., San Francisco, Calif. Filed Apr. 17, 1924. Serial No. 195,707.

FIRE BACKING HIGH TEMPERATURE BLOCKS

Particular description of goods.—Insulating Covering to Prevent Heat Penetration in Annealing Furnaces, Bakers' Ovens, Boiler Flues, Boiler Settings, Core Ovens, Cosmetic Furnaces, Driers, Dust Catchers, Economizers, Electric Furnaces, and Enamelling Ovens.
Claims use since December, 1917.

190,288. (CLASS 10. FERTILIZERS.) F. RYNVELL & SONS, New York, N. Y. Filed Apr. 14, 1924. Serial No. 195,540.

BULB FIBRE

Particular description of goods.—Material Used for Stimulating the Growth of Vegetation.
Claims use since January, 1922.

190,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEW YORK CONFECTION COMPANY, New York, N. Y. Filed Aug. 11, 1923. Serial No. 184,348

Irving

Particular description of goods.—Candy.
Claims use since 1912.

TRADE-MARK REGISTRATIONS RENEWED

23,996. PNEUMATIC TIRES. Registered January 2, 1894. NORTH BRITISH RUBBER CO. LIMITED, Edinburgh, Scotland. Renewed January 2, 1924.

25,331. POLISH FOR STOVES AND SIMILAR ARTICLES. Registered October 9, 1894. J. L. PRESCOTT & CO., North Berwick, Me. Renewed October 9, 1924, to J. L. Prescott Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,506. POLISH FOR STOVES AND LIKE ARTICLES. Registered November 13, 1894. J. L. PRESCOTT & CO., North Berwick, Me., and New York, N. Y. Renewed November 13, 1924, to J. L. Prescott Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,627. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,628. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,629. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,630. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,631. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,634. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,635. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,636. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,787. AN ANTITOXIN AND TISSUE BUILDER. Registered January 1, 1895. JOHN CARRICK. Renewed January 1, 1925, to Reed & Carrick, New York, N. Y., assignee.

25,977. A CLEANING PREPARATION. Registered February 5, 1895. LEWIS U. REAN, Philadelphia, Pa. Renewed February 5, 1925.

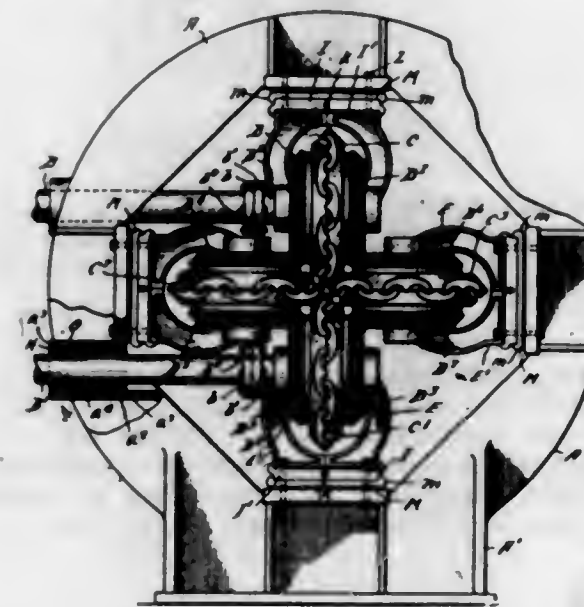
26,059. HYDRAULIC HOSE. Registered February 19, 1895. AMERICAN MULTIPLE FABRIC COMPANY, Olneyville, R. I. Renewed February 19, 1925.

26,110. PLUM TREES. Registered February 26, 1895. STARK BROS. NURSERIES & ORCHARDS CO., Louisiana, Mo. Renewed February 26, 1925.

REISSUES

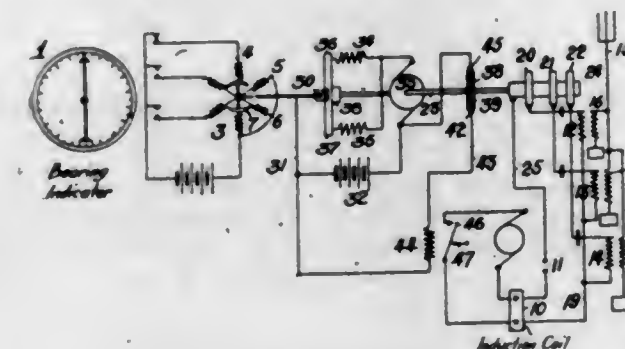
OCTOBER 7, 1924.

15,923. DIE ROLLING MILL FOR THE MANUFACTURE OF ROLL FORGINGS. WILLIAM BARNUM COWLES, Cleveland Heights, Ohio, assignor to Weldless Chain Corporation, Dover, Del., a Corporation of Delaware. Filed June 7, 1923. Serial No. 644,049. Original No. 1,431,443, dated Oct. 10, 1922, Serial No. 245,057, filed July 15, 1918. 23 Claims. (Cl. 80-28.)



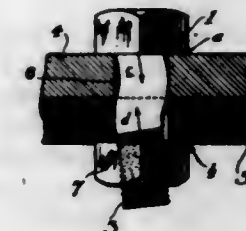
1. In a machine of the character set forth, the combination with a frame provided with a recess, of a plurality of yokes each detachably connected to said frame and projecting into said recess, said yokes each being formed of two halves detachably connected together, die rolls journaled in said yokes, and means for driving said die rolls.

15,924. WIRELESS REPEATER SYSTEM. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 6, 1924. Serial No. 691,070. Original No. 1,428,507, dated Sept. 5, 1922, Serial No. 365,144, filed Mar. 12, 1920. 17 Claims. (Cl. 250.)



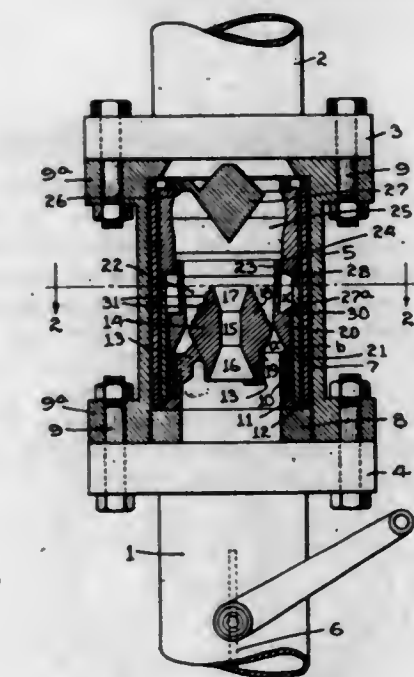
14. In combination, a compass mounted upon a dirigible craft and wireless transmitting means controlled by said compass.

15,925. LOCKING BOLT AND NUT. FREDERICK C. WHIPPEY, Chicago, Ill. Filed Aug. 20, 1923. Serial No. 658,399. Original No. 1,387,085, dated Aug. 9, 1921, Serial No. 422,754, filed Nov. 9, 1920. 6 Claims. (Cl. 151-21.)



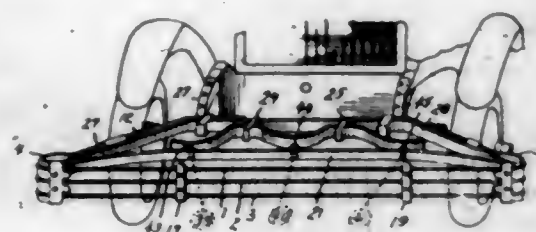
1. A device of the character described comprising a bolt whose head is designed to have a projecting contact point on its impinging face and a nut on said bolt also having a projecting contact point on its impinging face.

15,926. FLUID-CONTROL MEANS FOR MOTORS. FRANK POKORNY, Mamaroneck, N. Y., assignor, by direct and mesne assignments, of one-half to Francis W. Keegan, New York, N. Y. Filed Dec. 7, 1922. Serial No. 605,527. Original No. 1,361,180, dated Dec. 7, 1920, Serial No. 338,747, filed Nov. 17, 1919. 21 Claims. (Cl. 137-153.)



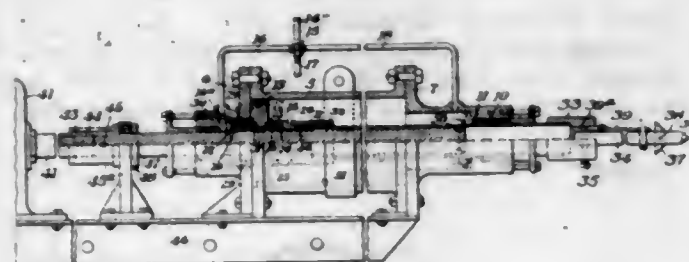
21. The combination with a fluid supply passage for an internal combustion engine, of a movable control element in said passage to vary the volume of passing fluid, forward and rearward chambers each partly formed by said control element and subject to the aspiratory action of the engine respectively to create an advancing effect and a retarding effect upon said element, said chambers being in communication with each other, and a fixed centered nozzle in said passage co-operating with said element.

15,927. CABLE BUMPER. KARL OSTEN SCHAUMAN, New York, N. Y., assignor to William H. Avery, San Francisco, Calif. Filed Aug. 23, 1924. Serial No. 733,848. Original No. 1,450,262, dated Apr. 3, 1923. Serial No. 560,083, filed May 11, 1922. 18 Claims. (Cl. 293-55.)



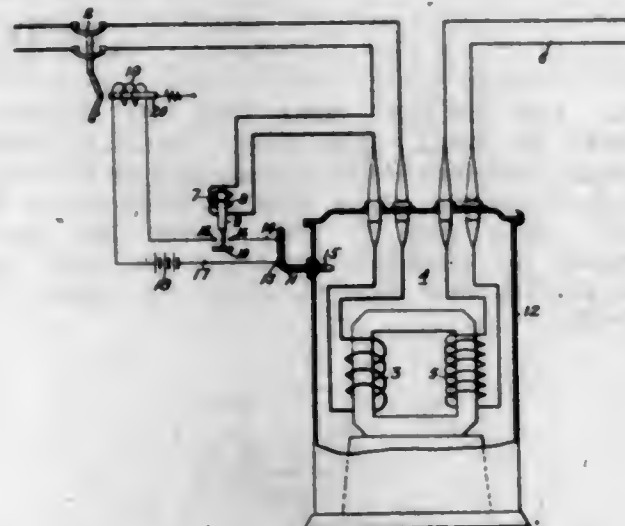
1. A cable bumper comprising a flexible non-extensible cable member, supports for each end of said member, spring means tending to keep the ends of the cable member separated, a spring leaf intermedial to the spring means and the cable member and substantially in the same plane therewith, and means insulating said leaf from said member and said supports.

15,928. DRILLING MACHINE FOR TAPPING OUT THE HOT METAL OF FURNACES AND CUPOLAS. JOSEPH E. JUDY, McKeesport, Pa. Filed July 31, 1923. Serial No. 652,995. Original No. 1,424,483, dated Aug. 1, 1922. Serial No. 459,628, filed Apr. 8, 1921. 11 Claims. (Cl. 77-32.)



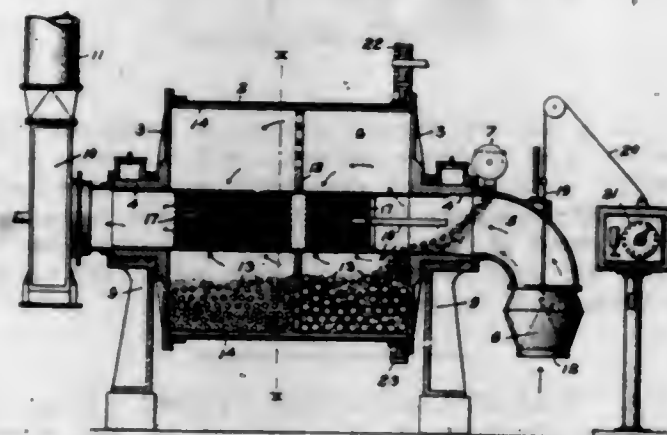
1. A device of the character described comprising as a bodily portable unit, a base, a pressure cylinder mounted upon said base, a piston in said cylinder, a piston rod mounted to rotate with respect to the piston, an electric motor upon the base outside of the cylinder and serving to impart rotation to the piston rod, a drill carried by the piston rod, means for admitting pressure fluid to the cylinder to actuate the piston and the piston rod to advance and retract the drill and a suspension element through which the entire unit may be suspended in such manner as to support the drill in a substantially horizontal position while said unit is being swung to and from the tapping hole of a furnace.

15,929. ELECTRICAL PROTECTIVE DEVICE. PAUL MACGAMAN, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 13, 1919. Serial No. 296,913. Original No. 1,224,400, dated May 1, 1917. Serial No. 44,440, filed Aug. 9, 1915. 28 Claims. (Cl. 175-294.)



10. A relay system for a translating device comprising means responsive only when the combined effect of the temperature of, and the load on, the translating device is a predetermined value.

15,930. METHOD OF PULVERIZING AND MILL THEREFOR. DANIEL V. SHEARAN, Canton, Ohio, assignor to The Bonnot Company, Canton, Ohio. Filed Mar. 9, 1923. Serial No. 624,024. Original No. 1,427,234, dated Aug. 29, 1922. Serial No. 524,524, filed Dec. 23, 1921. 13 Claims. (Cl. 83-9.)



1. A grinding mill consisting of a rotatable drum provided with grinding balls and a central axially arranged suction screen having a continuous uninterrupted receiving cavity from one end to the other.

DESIGNS

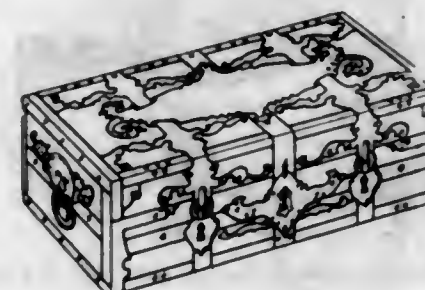
OCTOBER 7, 1924.

65,717. TOY HORSE. JOHN AGELL, New York, N. Y., assignor to Alladin Toy Company, Inc., New York, N. Y., a Corporation of New York. Filed June 30, 1924. Serial No. 10,006. Term of patent 14 years.



The ornamental design of a toy horse, as shown.

65,718. CARTON. SIDNEY C. ANSCHELL, Chicago, Ill., assignor to The Folly Town Company, a Corporation of Illinois. Filed Mar. 6, 1924. Serial No. 8,849. Term of patent 14 years.



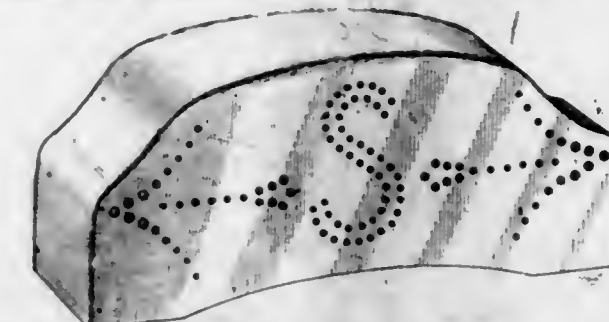
The ornamental design for a carton, as shown.

65,719. LACE. HARRY B. BARNUM, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed July 31, 1924. Serial No. 10,329. Term of patent 14 years.



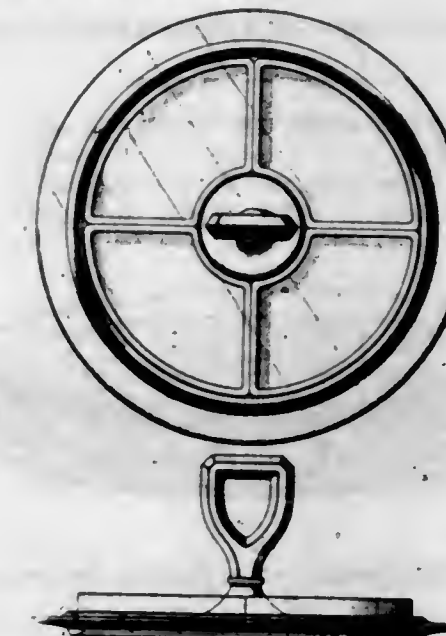
The ornamental design for lace substantially as shown.

65,720. VEHICLE SIGNAL-LAMP CASING. GEORGE W. BARRICKLOW, Akron, Ohio. Filed May 28, 1924. Serial No. 9,728. Term of patent 14 years.



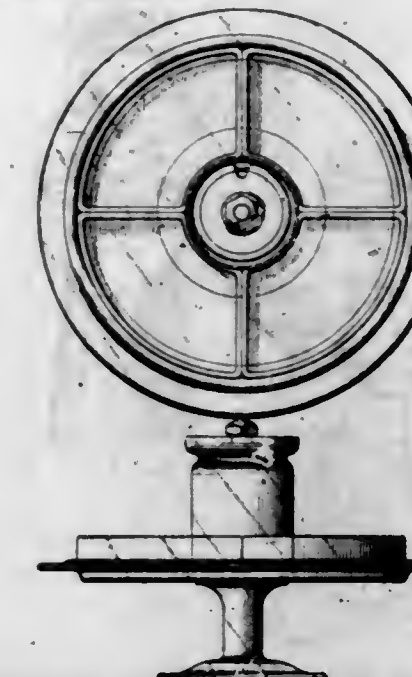
The ornamental design for a vehicle signal lamp casing, as shown.

65,721. RELISH DISH. ARTHUR J. BENNETT, Cambridge, Ohio. Filed June 2, 1924. Serial No. 9,771. Term of patent 3 1/2 years.



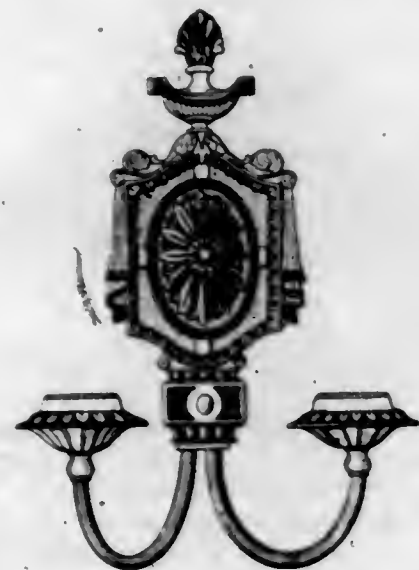
The ornamental design for a relish dish, as shown.

65,722. RELISH DISH. ARTHUR J. BENNETT, Cambridge, Ohio. Filed June 2, 1924. Serial No. 9,772. Term of patent 3 1/2 years.



The ornamental design for a relish dish, as shown.

65,723. LIGHTING FIXTURE. MORRIS BERKOWITZ, Brooklyn, N. Y., assignor to Excellite Fixture Corporation, New York, N. Y., a Corporation of New York. Filed June 9, 1924. Serial No. 9,833. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

65,724. LIGHTING-FIXTURE PART. MORRIS BERKOWITZ, Brooklyn, N. Y., assignor to Excellite Fixture Corporation, New York, N. Y., a Corporation of New York. Filed July 5, 1924. Serial No. 10,055. Term of patent 3½ years.



The ornamental design for a lighting fixture part, as shown.

65,725. INCENSE BURNER. BLANCHE M. BURNETT, Highland Park, Mich. Filed Apr. 7, 1923. Serial No. 5,719. Term of patent 3½ years.



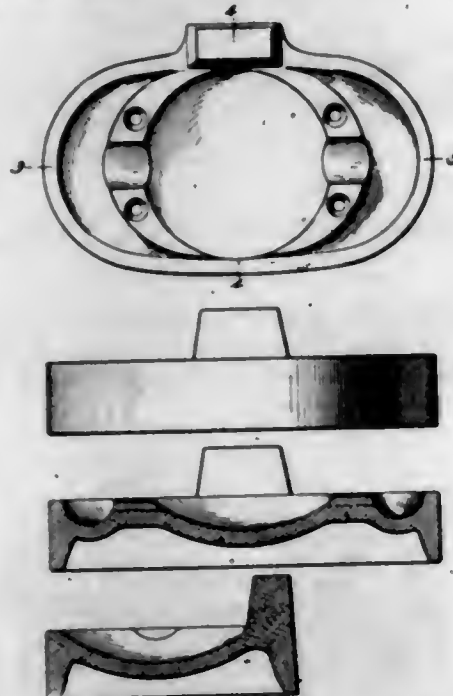
The ornamental design for incense burner as shown.

65,726. DOLL. LEORA R. BOYD, Los Angeles, Calif. Filed June 25, 1924. Serial No. 9,961. Term of patent 3½ years.



The ornamental design for a doll, as shown.

65,727. ASH TRAY. IRA M. CLARKE, New Martinsville, W. Va. Filed June 18, 1924. Serial No. 9,894. Term of patent 14 years.



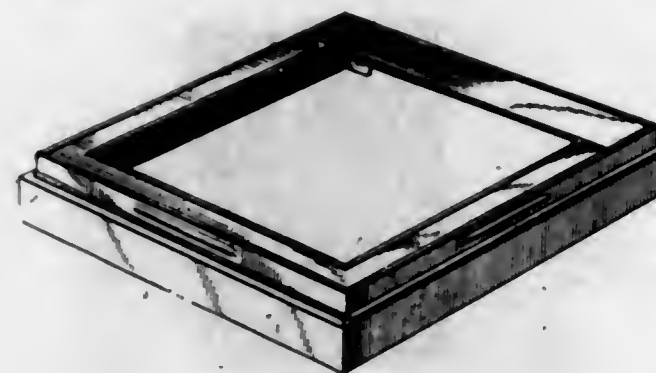
The ornamental design for an ash tray, as shown.

65,728. CRUCIFIX OR SIMILAR ARTICLE. ELMER E. COLE, Boston, Mass., assignor to Cole & Bartlett, a Copartnership consisting of Elmer E. Cole and Joseph W. Bartlett, Boston, Mass. Filed July 7, 1924. Serial No. 10,080. Term of patent 14 years.



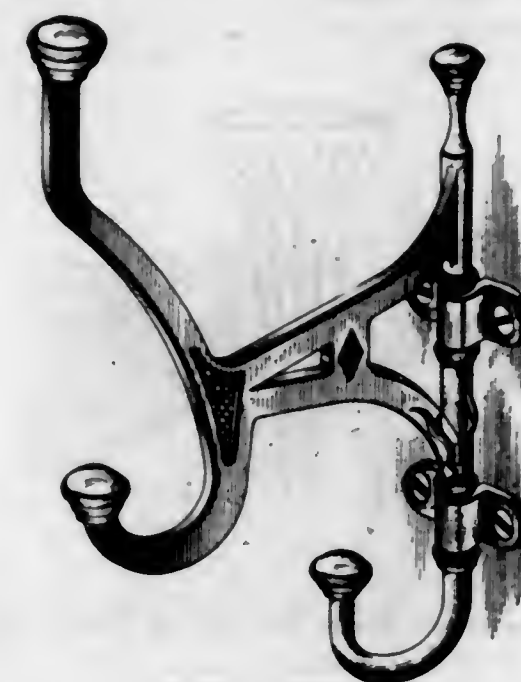
The ornamental design for a crucifix or similar article, as shown.

65,729. BOX FRONT. MARTHA H. CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed May 28, 1924. Serial No. 9,722. Term of patent 14 years.



The ornamental design for a box front, as shown.

65,730. SWING HOOK. VINCENZO GARREFFA, Geneva, Ohio. Filed July 23, 1924. Serial No. 10,225. Term of patent 3½ years.



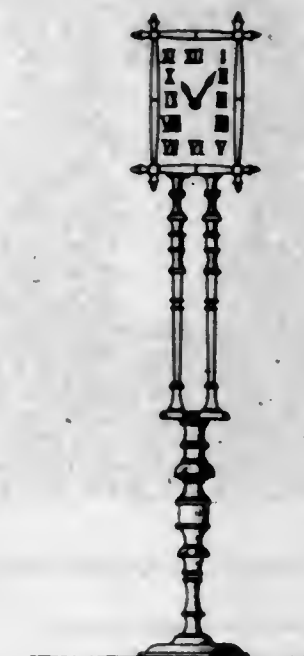
The ornamental design for a swing hook as shown.

65,731. ASH TRAY. VINCENZO GARREFFA, Geneva, Ohio. Filed July 23, 1924. Serial No. 10,226. Term of patent 3½ years.



The ornamental design for an ash tray as shown.

65,732. CLOCK CASE. JOHN P. GILCHRIST, Osceola, Iowa. Filed June 9, 1924. Serial No. 9,828. Term of patent 3½ years.



The ornamental design for a clock case as shown.

65,733. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed May 6, 1924. Serial No. 9,499. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown.

65,734. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed May 6, 1924. Serial No. 9,502. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric or similar article as shown.

65,735. PLATE OR SIMILAR ARTICLE. JOHN EDWARD GOODWIN, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc. of America, New York, N. Y., a Corporation of New York. Filed July 12, 1924. Serial No. 10,133. Term of patent 14 years.



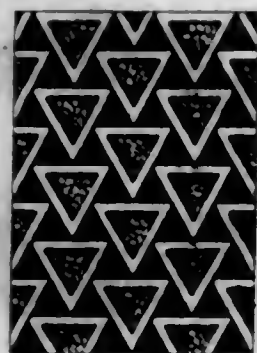
The ornamental design for a plate or similar article as shown and described.

65,736. TEXTILE FABRIC. BENJAMIN GROMAN, New York, N. Y. Filed June 11, 1924. Serial No. 9,851. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, as shown.

65,737. TEXTILE FABRIC. BENJAMIN GROMAN, New York, N. Y. Filed June 11, 1924. Serial No. 9,852. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, as shown.

65,738. ICE-CREAM CONE. LEHAMAR HARLOW, Fort Worth, Tex. Filed June 17, 1924. Serial No. 9,885. Term of patent 14 years.



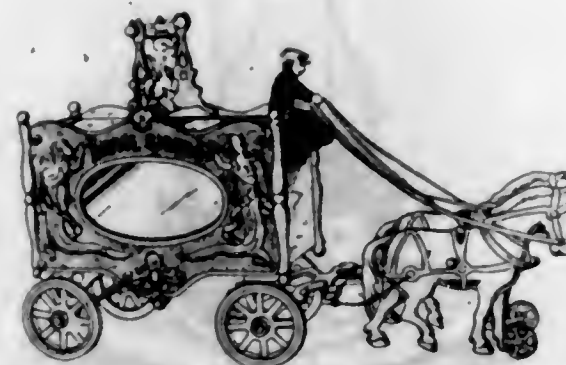
The ornamental design for an ice cream cone, as shown.

65,739. TOY CIRCUS WAGON. JOHN H. HARTMAN, Lancaster, Pa., assignor to The Hubley Manufacturing Co., Lancaster, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1922. Serial No. 4,540. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a toy circus wagon, as shown.

65,740. TOY CIRCUS WAGON. JOHN H. HARTMAN, Lancaster, Pa., assignor to The Hubley Manufacturing Co., Lancaster, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1922. Serial No. 4,541. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a toy circus wagon, as shown.

65,741. TOY CIRCUS WAGON. JOHN H. HARTMAN, Lancaster, Pa., assignor to The Hubley Manufacturing Co., Lancaster, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1922. Serial No. 4,542. Term of patent $3\frac{1}{2}$ years.



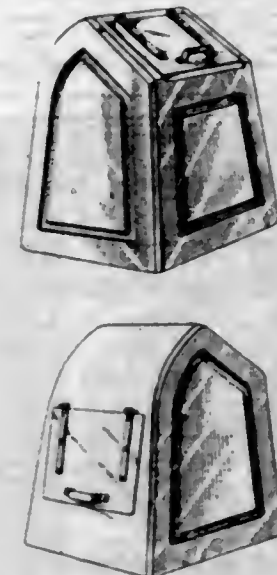
The ornamental design for a toy circus wagon, as shown.

65,742. JEWELRY BOX. SAMUEL HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 5, 1924. Serial No. 8,838. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a jewelry box as shown.

65,743. REFUSE OR WATER RECEPTACLE. LEONARD J. HURDMAN, Detroit, Mich., assignor of one-half to Leon L. Owenshire, Detroit, Mich. Filed July 26, 1922. Serial No. 3,208. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a refuse or water receptacle, as shown.

65,744. SHOE SOLE. CHARLES KUNN, Brooklyn, N. Y., assignor to The Manhattan Rubber Mfg. Company, a Corporation of New Jersey. Filed Dec. 8, 1921. Serial No. 521,053. Term of patent 14 years.



The ornamental design for a shoe sole as shown.

65,745. TOE PLATE FOR RUNNING BOARDS. EMILE LACROIX, Holyoke, and EDWIN A. LOOMIS, South Hadley Falls, Mass. Filed July 3, 1922. Serial No. 2,925. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a toe plate for running boards, as shown.

65,746. TOE PLATE FOR RUNNING BOARDS. EMILE LACROIX, Holyoke, and EDWIN A. LOOMIS, South Hadley Falls, Mass. Filed July 3, 1922. Serial No. 2,926. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a toe plate for running boards, as shown.

65,747. TOE PLATE FOR RUNNING BOARDS. EMILE LACROIX, Holyoke, and EDWIN A. LOOMIS, South Hadley Falls, Mass. Filed July 3, 1922. Serial No. 2,927. Term of patent $3\frac{1}{2}$ years.



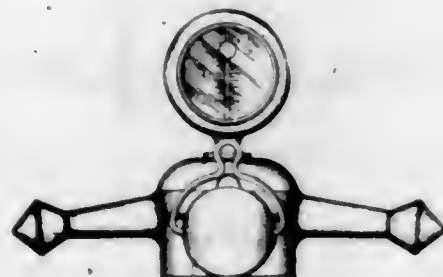
The ornamental design for a toe plate for running boards, as shown.

65,748. TOE PLATE FOR RUNNING BOARDS. EMILE LACROIX, Holyoke, and EDWIN A. LOOMIS, South Hadley Falls, Mass. Filed July 3, 1922. Serial No. 2,928. Term of patent $3\frac{1}{2}$ years.



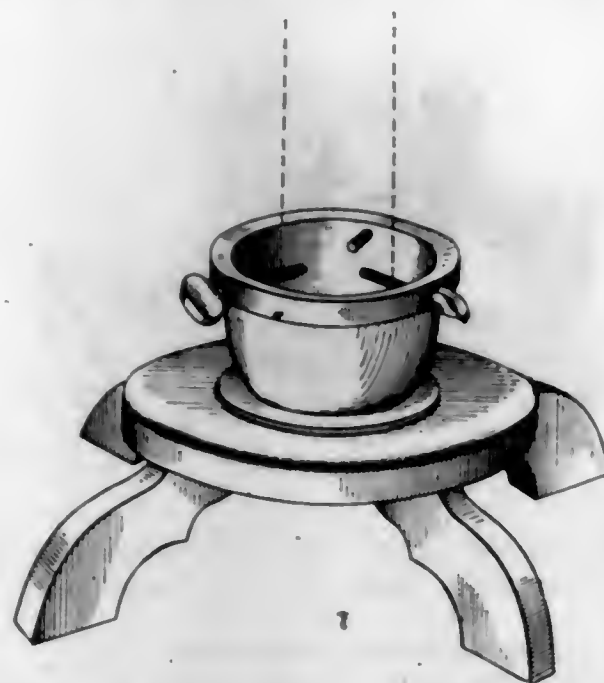
The ornamental design for a toe plate for running boards, as shown.

65,749. RADIATOR CAP FOR AUTOMOBILES. ALOYSIUS C. LIPPERT, Kenosha, Wis., assignor of one-half to C. A. Norton, Chicago, Ill. Filed Jan. 24, 1923. Serial No. 4,977. Term of patent $3\frac{1}{2}$ years.



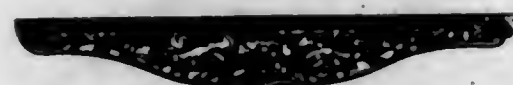
The ornamental design for radiator cap for automobiles as shown.

65,750. CHRISTMAS-TREE HOLDER. PAUL H. LUND-MARK, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 4,058. Term of patent $3\frac{1}{2}$ years.



An ornamental design for Christmas tree holders substantially as shown and described.

65,751. ORNAMENTAL PLATE FOR A BAG FRAME. SAHATIEL G. MANDALIAN, North Attleboro, Mass. Filed July 21, 1924. Serial No. 10,202. Term of patent 7 years.



The ornamental design for an ornamental plate for a bag frame, as shown.

65,752. ORNAMENTAL PLATE FOR A BAG FRAME. SAHATIEL G. MANDALIAN, North Attleboro, Mass. Filed July 21, 1924. Serial No. 10,203. Term of patent 7 years.



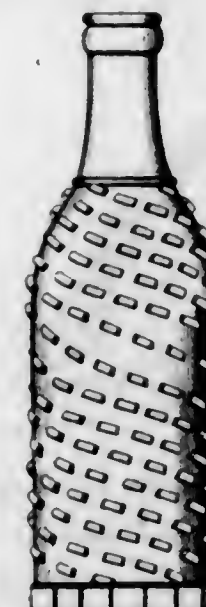
The ornamental design for an ornamental plate for a bag frame, as shown.

65,753. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,611. Term of patent 14 years.



The ornamental design for a bottle as shown.

65,754. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,612. Term of patent 14 years.



The ornamental design for a bottle, as shown.

65,755. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,619. Term of patent 14 years.



The ornamental design for a bottle as shown.

65,756. TEXTILE FABRIC. BENJAMIN NATHAN, New York, N. Y., assignor to Nathan & Cohen Co., Inc., New York, N. Y., a Corporation of New York. Filed July 3, 1924. Serial No. 10,048. Term of patent $3\frac{1}{2}$ years.



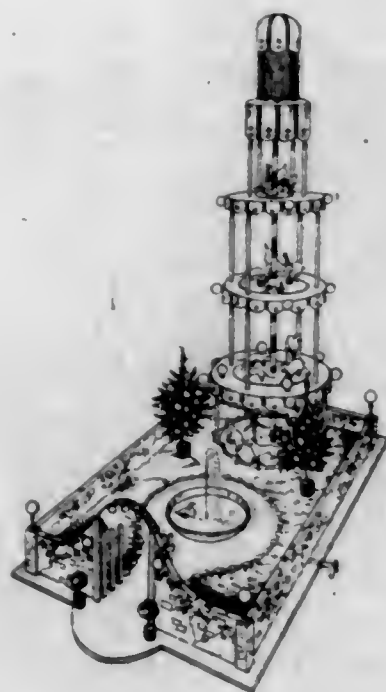
The ornamental design for a textile fabric substantially as shown.

65,757. JEWEL BOX OR SIMILAR ARTICLE. JEANNE B. ROGÉ, Evanston, Ill. Filed July 5, 1924. Serial No. 10,070. Term of patent $3\frac{1}{2}$ years.



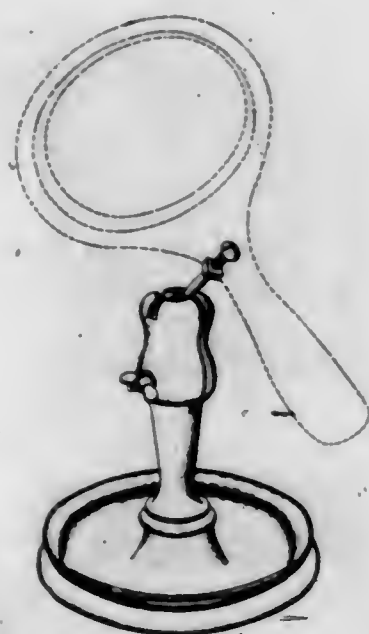
An ornamental design for a jewel box or similar article, as shown.

65,758. TOY GARDEN. ANNA M. RUEPPEL, Buffalo, N. Y. Filed Oct. 13, 1923. Serial No. 7,492. Term of patent 3½ years.



The ornamental design for a toy garden, as shown.

65,759. MIRROR SUPPORT. LEONARD S. SHORT, Chicago, Ill. Filed Oct. 25, 1922. Serial No. 4,090. Term of patent 3½ years.



The ornamental design for a mirror support as shown.

65,760. TABLE MAT. FRANK H. STANWOOD, Wilmette, Ill. Filed May 12, 1924. Serial No. 9,554. Term of patent 14 years.



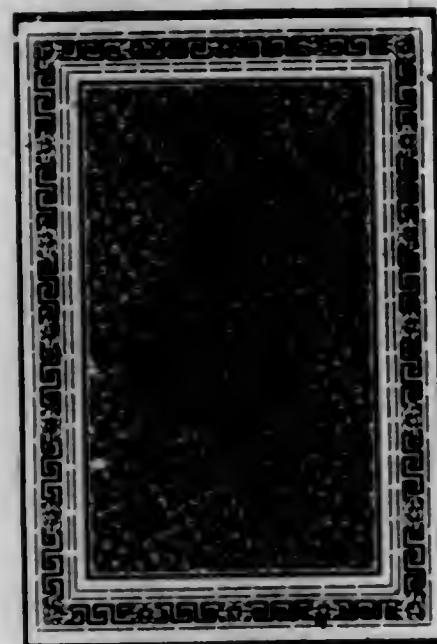
The ornamental design for a table mat as shown.

65,761. BOOT TOP. CHARLES TWEEDIE, Jefferson City, Mo. Filed July 8, 1922. Serial No. 3,002. Term of patent 7 years.



The ornamental design for a boot top, as shown.

65,762. RUG. ALGERMONT H. WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of Delaware. Filed June 25, 1924. Serial No. 9,960. Term of patent 3½ years.



The ornamental design for a rug, as shown.

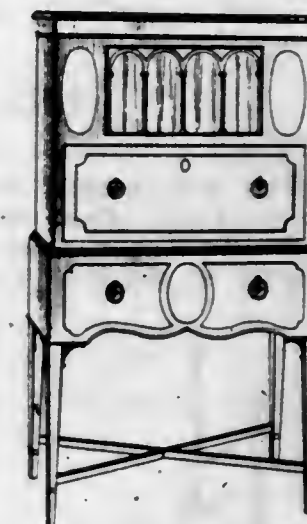
65,763. MESH BAG. CHARLES A. WHITING, Franklin, Mass. Filed June 27, 1924. Serial No. 9,983. Term of patent 3½ years.



The ornamental design for a mesh bag as shown.

327 O. G.—5

65,764. CABINET FOR A RADIO SET. WILLIAM ZAISER, Brooklyn, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed May 21, 1924. Serial No. 9,667. Term of patent 7 years.

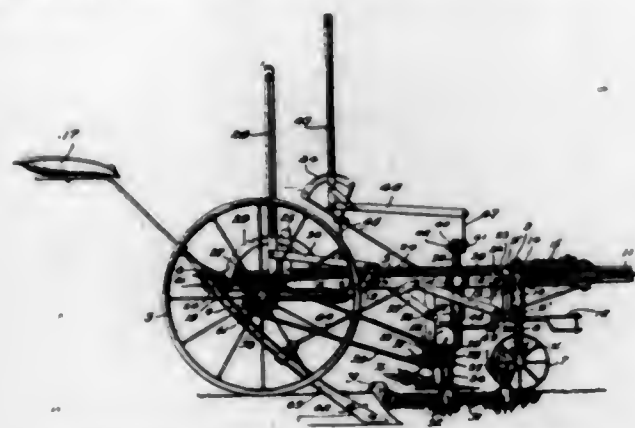


The ornamental design for a cabinet for a radio set, substantially as shown.

PATENTS

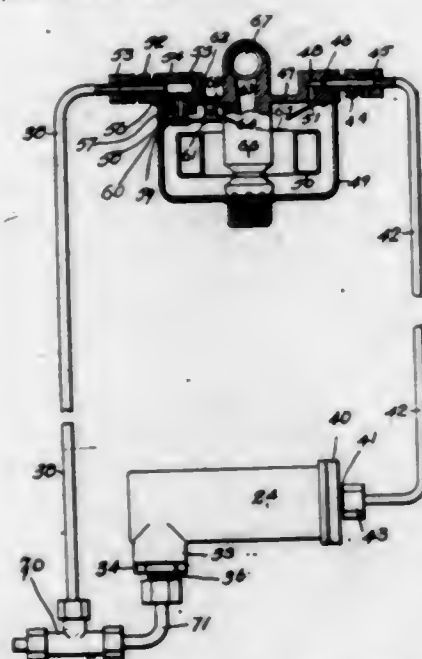
GRANTED OCTOBER 7, 1924.

1,510,452. COMBINED SUGAR-BEET TOPPER AND LIFTER. ELMER L. AMBLE, Frost, Minn., assignor of two-fifths to Christian Hanson, Frost, Minn. Filed Oct. 28, 1922. Serial No. 597,557. 7 Claims. (Cl. 55-107.)



1. A machine of the kind described including a pair of co-operating cutting discs arranged to rotate in substantially the same plane, said discs being independently vertically adjustable, one of said cutting discs being horizontally adjustable in its one plane toward and from the other cutting disc.
2. A machine of the kind described including a frame, a vertical shaft turnably mounted in the frame and having at its lower end a depending crank-like extension, a pair of cooperating rotatable cutting disks, one of which is journaled on said crank-like extension, and means for securing the shaft to hold the respective cutting disk in different adjustments in respect to the other of said cutting disks.

1,510,453. FUEL FEED FOR INTERNAL-COMBUSTION ENGINES. GEORGE M. BICKNELL, St. Louis, Mo. Filed Mar. 11, 1922. Serial No. 542,854. 3 Claims. (Cl. 158-36.)



1. A fuel feed for internal combustion engines comprising a carburetor having a float chamber, a pump, a suction chamber formed in said pump, a pressure chamber formed in said pump, a fuel line connected to said

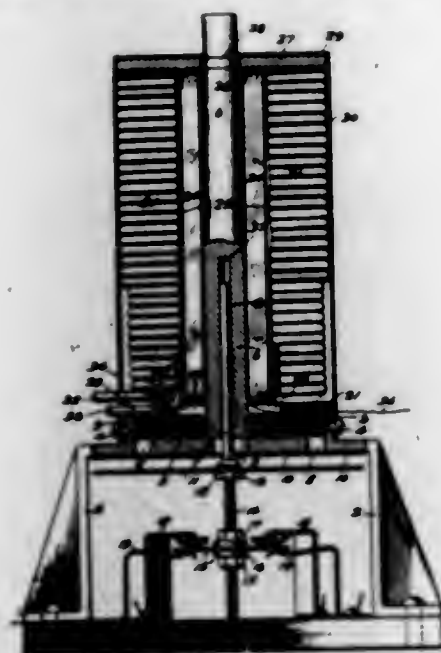
pressure chamber and float chamber, an air line connected to the suction chamber and float chamber, an air vent formed in the float chamber, means for operating said pump, a float located in said float chamber, and a valve operated by said float for opening said air pipe and admitting air into the suction chamber of the pump when a predetermined level of fuel in the float chamber has been reached, whereby the action of said pump is temporarily destroyed.

1,510,454. ROWING MECHANISM. SUNKER ABASI BISEY, New York, N. Y. Filed Feb. 25, 1920. Serial No. 361,154. 6 Claims. (Cl. 115-24.)



6. Rowing mechanism comprising a swinging yoke, handles mounted on said yoke and supporting means for such handles enabling separation and approach of the same in the swinging movements of the yoke in opposite directions in simulation of the spreading movement of the handles of a pair of oars.

1,510,455. DIFFERENTIAL-CONTROL MAGNET. WILLIAM W. BUCHER, Chicago, Ill., assignor, by mesne assignments, to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed Mar. 20, 1919. Serial No. 283,909. 2 Claims. (Cl. 175-337.)



1. An electromagnet structure comprising a coil or coils constituting a unit having a core opening therethrough, a permeable core in such opening, insulating heads adjacent the coil supported by the core, large and reduced diameter permeable heads also supported by the core, a flanged permeable support larger than the reduced diameter head so as to leave an air gap between

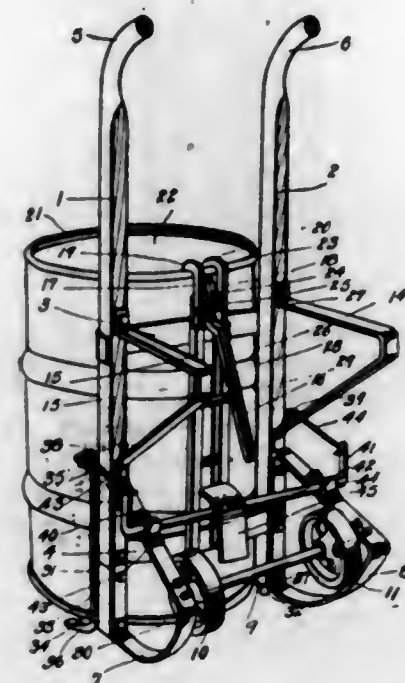
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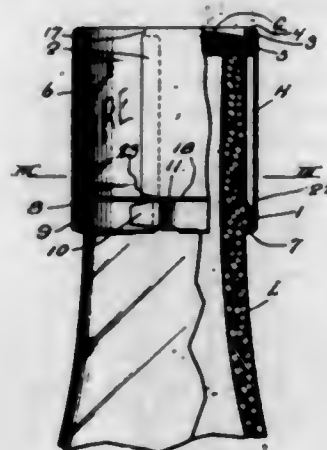
the support and the head, the said support being attached to one of the insulating heads, a permeable casing engaging the large head and attached to the flanged support, whereby all the component parts of the magnet are held assembled by the casing.

1,510,456. TRUCK. KINSEY CADWALADER, Kansas City, Kans., Filed July 17, 1922. Serial No. 575,527. 2 Claims. (Cl. 214-65.4.)



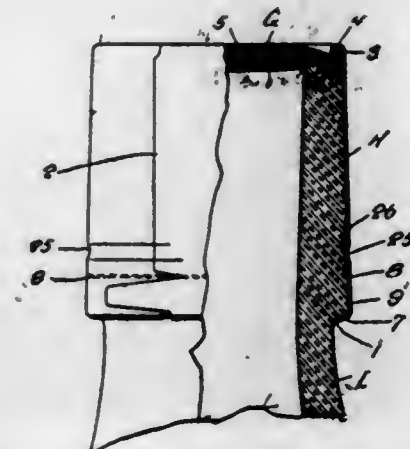
1. A truck comprising a frame, wheels supporting said frame and barrel chime-engaging means carried by the frame, said means comprising a slidable member having hooked ends for engaging the chime, a chime-engaging dog co-operating with the hooked ends and a lever for actuating the dog.

1,510,457. RECEPTACLE CLOSURE. LESLIE R. N. CARVALHO, Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, a Corporation of Ohio. Filed Oct. 29, 1921. Serial No. 511,392. 10 Claims. (Cl. 215-46.)



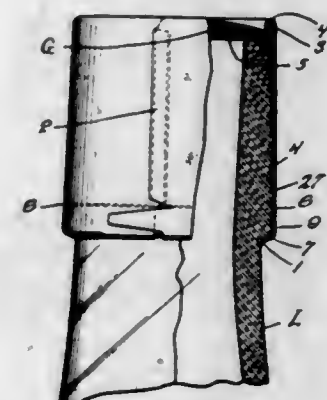
1. A receptacle closure comprising cover and flange portions, the flange portion being formed from a piece of sheet metal bent into cylindrical form, and having its meeting edges seamed together by a seam extending substantially vertically of the closure, an integral attaching portion provided upon the flange portion connected therewith by a score so that it may be readily torn therefrom, and there being a notch provided in the flange portion adjacent the seam and extending into said score whereby to prevent likelihood of separation of the ends at said seam during the tearing operation.

1,510,458. RECEPTACLE CLOSURE. LESLIE R. N. CARVALHO, Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, a Corporation of Ohio. Filed Apr. 21, 1923. Serial No. 633,646. 3 Claims. (Cl. 215-38.)



1. The combination with a receptacle having an annular open upper end, and a closure comprising a resilient cover part and a flanged part depending from the margin of the cover part, a rib provided at the margin of the cover part projecting upwardly above the plane of the cover part adapted to receive pressure for forcing the closure downwardly on to a receptacle, the cover part being adapted by reason of its resiliency to be sprung upwardly in its intermediate portion by engagement with the receptacle whereby to store an energy for resiliently maintaining tight sealing engagement with the receptacle, the major pressure contacting surface between the cover part and the receptacle being a sufficient distance inwardly from the flange part to bring into energy storing action the resiliency of the cover part, and means comprised in the flange portion for gripping the receptacle to hold the closure in said sprung sealing position.

1,510,459. RECEPTACLE CLOSURE. LESLIE R. N. CARVALHO, Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, a Corporation of Ohio. Filed Apr. 21, 1923. Serial No. 633,647. 7 Claims. (Cl. 215-38.)



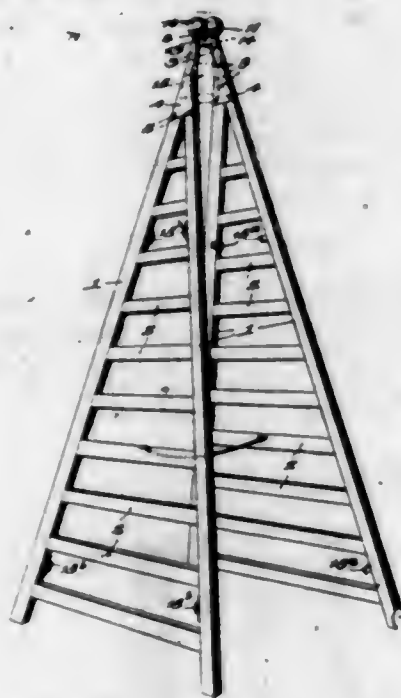
1. A receptacle closure comprising a cover part and a marginal flange part, said parts being separately formed and seamed together, the flange part comprising a rectangular piece of sheet metal bent into cylindrical form and having its ends seamed together, and said seam being of a character to permit expansion and contraction of said flange part.

1,510,460. INCUBATOR. HENRY H. CHARLES, Manor Township, Lancaster County, Pa. Filed Nov. 9, 1922. Serial No. 599,772. 5 Claims. (Cl. 119-35.)



1. In an incubator, the combination of a drawer, a strip carried by said drawer, guides fixed to said drawer and adapted to control lengthwise movement of said strip, a pivot pin fixed to said strip, and a square tray adapted to revolve on said pivot pin.

1,510,461. LADDER. HENRY CORDES, Sioux Falls, S. Dak. Filed Mar. 13, 1924. Serial No. 699,005. 5 Claims. (Cl. 228-27.)

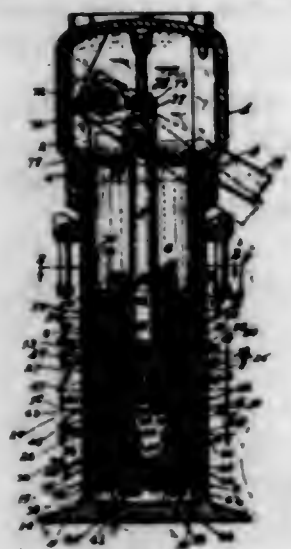


3. In a ladder, a pair of substantially similar sections, each of substantially inverted V-shape, a ball on the apex of each section, and a twin socket connection for the balls to allow each of the latter to have universal movement.

1,510,462. HYDRAULIC JACK. JACOB B. DELL, Altoona, Pa. Filed Apr. 22, 1920. Serial No. 375,859. 5 Claims. (Cl. 138-9.)

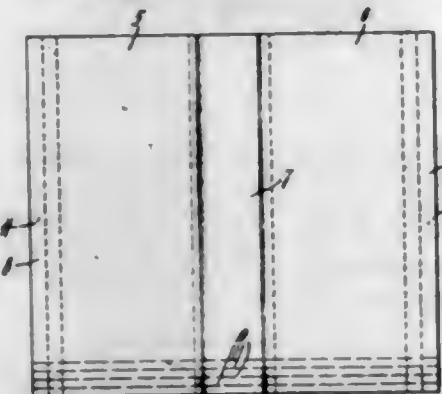
1. In a hydraulic jack provided with a fluid reservoir, a pump and expansion chamber, a pump piston having a stem, means for expeditiously lowering the jack comprising a pump casting having a peripheral recess, a valve passage connecting the expansion chamber with the latter, a normally closed valve having a stem in the valve passage, adjustable means on the pump piston stem for

depressing said valve, means carried in the pump casting for transmitting motion from the depressing means to



the valve stem, and means for preventing dislodgment from, and limiting the travel of said transmitting means within the pump casting.

1,510,463. TUBULAR ARTICLE FOR SPECTACLE FRAMES. WILLIAM P. DEVINE, Dorchester, Mass., assignor of one-half to Harris King Hallkman, Boston, Mass. Filed May 1, 1924. Serial No. 710,442. 6 Claims. (Cl. 88-47.)



1. An article of manufacture comprising a pair of tubes and a cross bar joining them together and integral therewith, said article being of sufficient length and of such a cross sectional contour that it may be subdivided transversely thereof into a plurality of spectacle frame blanks.

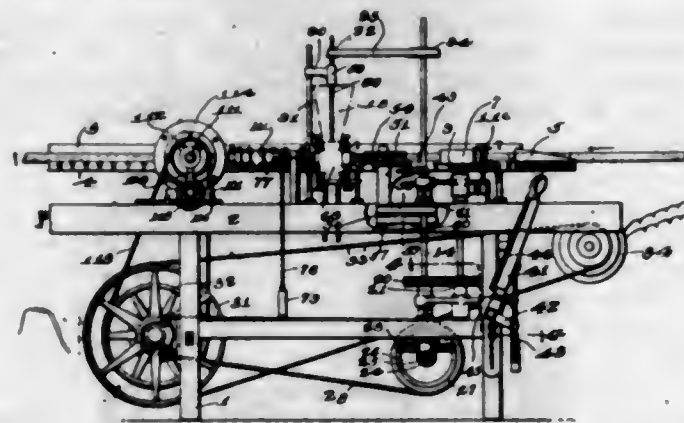
1,510,464. ADVERTISING DEVICE. JOHANNES DINODAHLE, Hamburg, Germany. Filed Mar. 20, 1923. Serial No. 626,330. 4 Claims. (Cl. 40-78.)



1. A display device comprising a frame, a movable member, a holder, a placard on said holder in position for display, means on said movable member for removing said

placard from display position, a receptacle for receiving said placard after it has been so removed, means for returning the placard to the said holder whereby it will be subsequently redisplayed, and an inclined bottom in said receptacle whereby the placard will be permitted to assume a position in the path of said returning means.

1,510,465. MACHINE FOR FINISHING FLOORING. ELMER C. DITTMAR, Williamsport, Pa., assignor to The Crooks-Dittmar Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed July 31, 1919. Serial No. 314,464. Renewed Nov. 11, 1922. Serial No. 600,476. 31 Claims. (Cl. 91-13.)

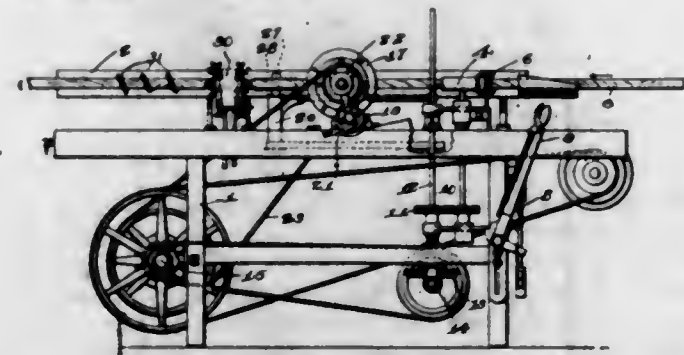


9. A machine of the kind described having means for moving strips of lumber continuously on edge in their passage through the machine, means for initially cleaning the strip while in motion, means for filling the strip and means arranged in the path of travel of said strip for scraping said strip in its passage through said machine.

16. An apparatus for finishing flooring, having a receptacle provided with a discharge opening over which is adapted to be passed a strip to be finished, said receptacle having a movable support provided with a steam chamber, and movable members arranged around the discharge opening of said receptacle for preventing the escape of fluid around said opening.

28. An apparatus for finishing strips of lumber having means for supporting and moving strips of lumber, means for first applying a heavy filler to the face of the strip under pressure, means for scraping the face of said strip lengthwise for removing the surplus filler therefrom and means for finally wiping the strip transversely thereof.

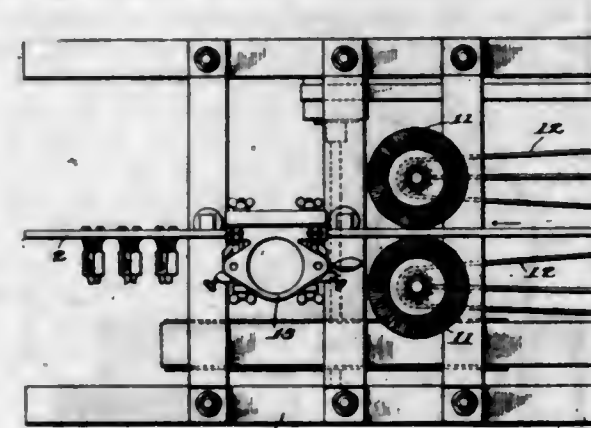
1,510,466. MACHINE FOR FINISHING FLOORING. ELMER C. DITTMAR, Williamsport, Pa., assignor to The Crooks-Dittmar Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed July 31, 1919. Serial No. 314,465. Renewed Nov. 11, 1922. Serial No. 600,477. 9 Claims. (Cl. 91-13.)



4. An apparatus for finishing flooring, having means for supporting and moving the strip of flooring on edge, means for polishing one face of the strip, and means for coating one face of the strip.

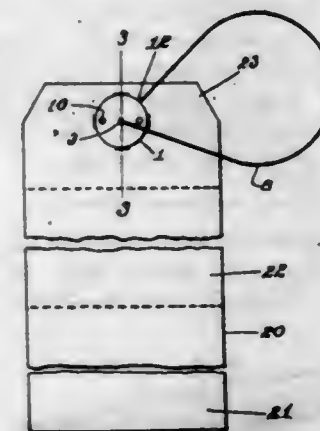
8. An apparatus for finishing strips of lumber having means for supporting and moving strips of lumber on edge, a revolving polisher for polishing the side faces of said strips while in motion, means for coating the face of the strip while in its passage through said supporting means and means arranged to one side of said supporting means for spreading the coating applied to said strip.

1,510,467. MACHINE FOR FINISHING FLOORING. ELMER C. DITTMAR, Williamsport, Pa., assignor to The Crooks-Dittmar Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed July 31, 1919. Serial No. 314,466. Renewed Nov. 11, 1922. Serial No. 600,478. 8 Claims. (Cl. 91-13.)



6. An apparatus for applying a second coat of varnish to a strip of flooring having means for moving the strip on edge, means for burnishing the face of the strip in its movement through the machine, means for cleaning the strip, means for applying a coating of varnish to the moving strip and a brush arranged in the path of travel of said strip for spreading the coating of varnish previously applied.

1,510,468. SEAL. JOHN P. DUGAN, Baltimore, Md., and CHARLES O. DUGAN, Jr., Philadelphia, Pa., assignors to The Dugan Seal Company, Baltimore, Md., a Corporation of Maryland. Filed Apr. 23, 1923. Serial No. 634,192. 5 Claims. (Cl. 202-318.)



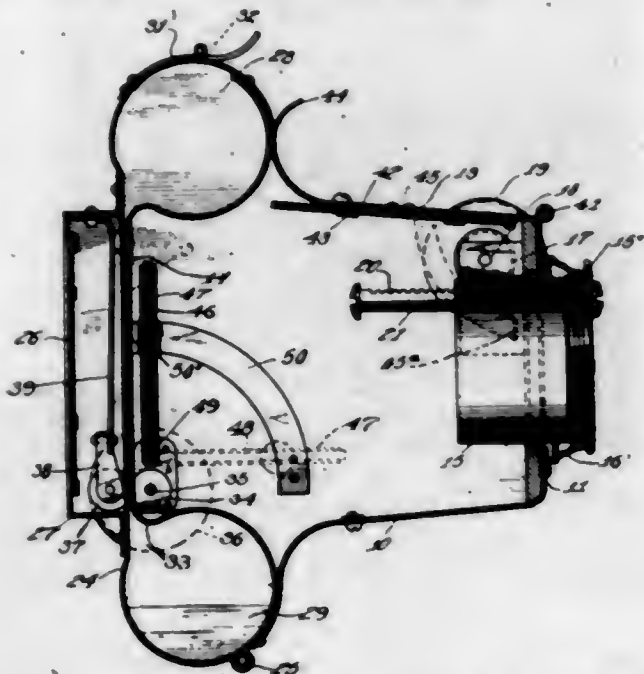
3. A combination check and seal consisting of a card, a seal body secured to said card, a metal wire of uniform cross-section having one end secured to the seal body member, the other end of the wire being free, locking means comprising plates arranged toggle-wise, the remote ends secured to the body and the edges of said plates being substantially in contact, the body member having a hole in alignment with said edges, so that the free end of the wire can be thrust through said aperture and between said plates and locked at any point in its length by the toggle action forming a loop which can be reduced to the desired extent by drawing the wire through the seal.

1,510,469. PROCESS OF REGENERATING BASE-EXCHANGE SILICATES. THOMAS R. DUGGAN, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 15, 1918. Serial No. 258,223. 13 Claims. (Cl. 23-13.)

1. In the regeneration of exchange silicates used for softening water, the process which comprises passing salt solution through such a used bed in a downward direction and reclaiming the more contaminated and the

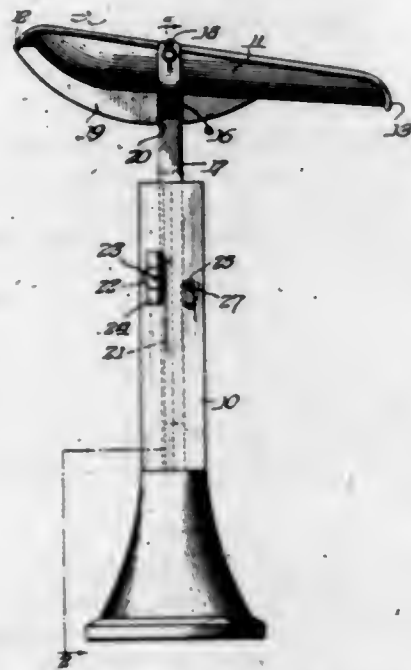
less contaminated effluent salt solution in later parts of the regeneration period for reuse in the earlier stages of a subsequent regeneration.

1,510,470. STEREOSCOPE. WILLIAM P. DUN LANY, Oak Park, and STEPHEN G. WOOD, Chicago, Ill.; Margaret Moran Dun Lany administratrix of said William P. Dun Lany, deceased. Filed Feb. 20, 1920. Serial No. 360,052. 12 Claims. (Cl. 88—29.)



1. In a device of the class described, a casing having apertures in its rear wall, a frame pivotally secured to said casing and positioned close to said rear wall, means for feeding material past said apertures between said casing and said frame, lenses supported by said casing for viewing said material through said apertures, and means pivotally mounted within said casing to support glass of different colors before the lens for each eye of the observer to create an illusion as to the coloring of the material fed past said apertures.

1,510,471. HAIR-WASHING APPLIANCE. WILLIAM FAERBER, Chicago, Ill. Filed May 12, 1924. Serial No. 712,700. 3 Claims. (Cl. 4—159.)

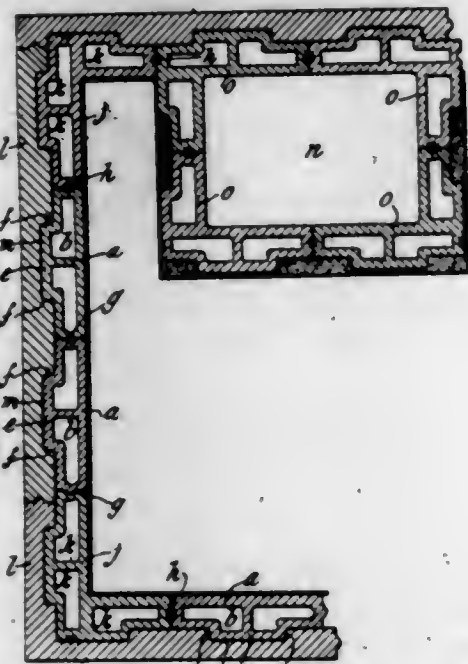


1. In a hair washing device, the combination with a water conveyor having side trunnions, a pair of bars adapted to slidably engage a support, said bars having notches in their free ends adapted to receive said trunnions, and clamp nuts on said trunnions for frictionally retaining the parts against displacement.

1,510,472. ADHESIVE AND SEALING STRIP HAVING A COATING OF THE SAME. FREDERICK W. FARRELL, Brookfield, Mass. Filed Jan. 10, 1917. Serial No. 143,404. Renewed Feb. 29, 1924. 7 Claims. (Cl. 87—17.)

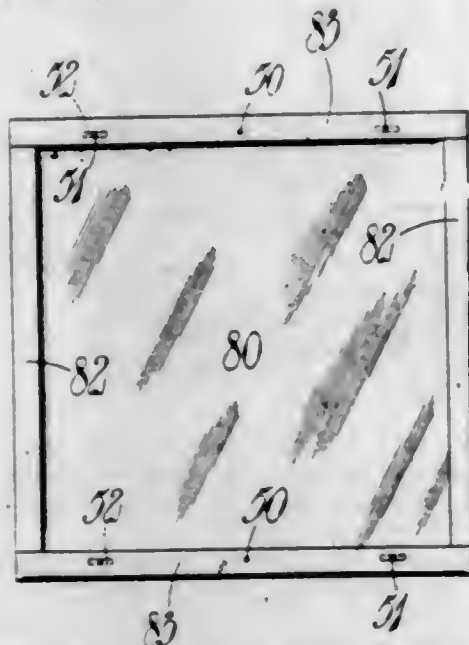
6. A flexible sealing strip comprising a strip of paper having intimately secured to and penetrating the surface fibres thereof a moisture resisting, flexible, normally non-adhesive coating containing asphalt, sulphur and an oil, whereby said strip may be adhesively attached to an article by heat applied to the back thereof, and the removal of said strip when subjected to the action of moisture is prevented.

1,510,473. WALL. EDMOND JOSEPH FREWEN, London, England. Original application filed Nov. 25, 1922. Serial No. 603,336. Divided and this application filed July 27, 1923. Serial No. 654,145. 6 Claims. (Cl. 72—39.)



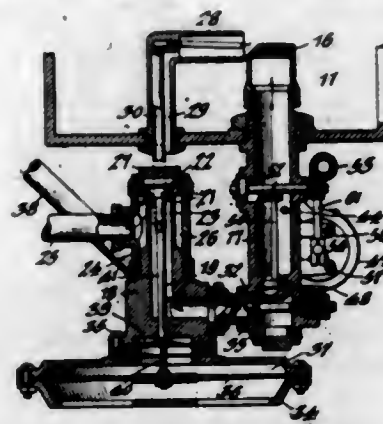
1. A wall composed of T shaped bricks, each brick having a shallow stem, a crosspiece and two cavities in the crosspiece, and a row of plates each plate having a groove into which the stems of the bricks enter and interlock.

1,510,474. TRANSPARENT PANEL. HENRY GARNER and JAMES PARKER GARNER, Birmingham, England. Filed Oct. 3, 1922. Serial No. 592,170. 4 Claims. (Cl. 296—140.)



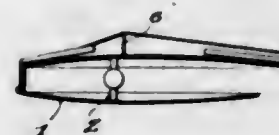
2. A transparent panel comprising a sheet of flexible transparent material, a housing of the same material secured to at least one edge of the sheet and a stiffening member of metal freely mounted in said housing.

1,510,475. HEATING APPARATUS. GEORGE A. GUENTHER, Buffalo, N. Y., assignor of one-half to George Duchscherer, Buffalo, N. Y. Filed Jan. 22, 1923. Serial No. 614,150. 5 Claims. (Cl. 236—22.)



1. A heating apparatus, comprising a combustion chamber, a burner therefor, a suction device communicating with said combustion chamber, a valve having a stem controlling the admission of fuel to the burner, and means for automatically opening said valve upon the operation of the suction device, said means comprising a diaphragm chamber in communication with the combustion chamber, and diaphragms of different areas located in said chamber and arranged so that the movement of one affects the movement of the other, the larger diaphragm being exposed to the atmosphere and the valve stem engaging the smaller diaphragm.

1,510,476. TONE-AMPLIFYING APPARATUS FOR MUSICAL INSTRUMENTS. FRED C. HAMMOND, Charlestown, N. H., assignor of one-half to Walter W. Slack, Springfield, Vt. Filed July 8, 1922. Serial No. 573,669. Renewed Feb. 27, 1924. 3 Claims. (Cl. 179—1.)



2. A sound post for an instrument of the violin type, provided with an enlarged hollowed out central portion, a microphone adapted to seat therein, and an electrical amplifying circuit for said microphone.

1,510,477. PLOWBEAM. TILDEN H. HARDMAN, Commerce, Ga. Filed Apr. 4, 1923. Serial No. 629,878. 2 Claims. (Cl. 97—197.)

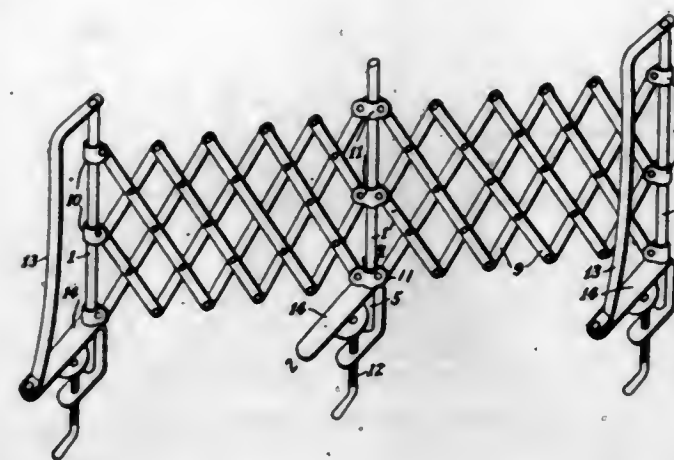


1. A plow, including a standard embodying an auxiliary beam, a main beam coacting with the auxiliary beam and pivoted to the standard, a track mounted on the beam, a block slidable on the track, screw means mounted on one end of the beam for moving the block on the track, inwardly projecting lugs carried by the auxiliary beam engageable in slots carried by the said block for holding the said beam in any desired position in its vertical adjustment, and means carried by the free end of the beam to effect its sidewise or lateral adjustment.

1,510,478. LUGGAGE CARRIER. WALLACE N. HERBOLD, Richmond Hill, N. Y., assignor to J. Odell Fowler, trustee, New York, N. Y. Filed Dec. 9, 1921. Serial No. 521,202. 7 Claims. (Cl. 224—29.)

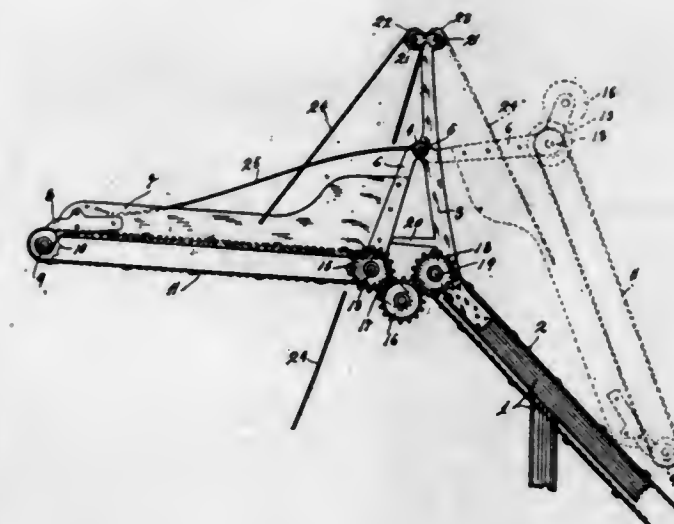
7. A luggage carrier for the running boards of automobiles comprising in combination a lazy tongs, rigid end

frames, means adapted for securing said end frames to the running board and connecting means at each end of



the lazy tongs, said means each comprising members surrounding a member of and between the ends of its respective rigid frame.

1,510,479. HAY LOADER. GEORGE T. HOVEN, Boyceville, Wis., assignor of one-fourth to Gust Price, Boyceville, Wis., and one-fourth to Gustave A. Hoven, Zumbata, Minn. Filed Apr. 13, 1923. Serial No. 631,813. 5 Claims. (Cl. 198—87.)

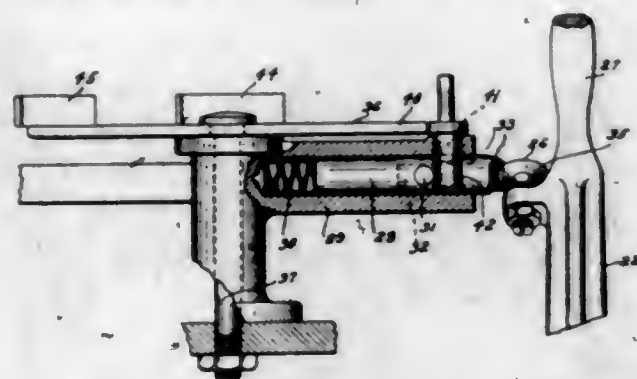


1. The combination with a hay loader and the elevator frame and elevator thereof, of an extension conveyor adapted to receive the hay discharged from said elevator and to carry the same over and discharge the same on the load, brackets secured to said elevator frame, a frame carrying said extension conveyor swingingly connected to said brackets, a gear driven by said elevator, a gear on said extension conveyor for driving the same, a gear meshing with both of said gears and carried on said extension conveyor, and stop means on said brackets co-operating with said swinging frame to hold the conveyor and said first and last mentioned gears thereon in operative position, and means for swinging said frame and conveyor to an inoperative position and disengaging said first and last mentioned gears.

1,510,480. DRIVING MECHANISM FOR BRAIDING MACHINES. JOHN P. KING, Providence, R. I., assignor, by direct and mesne assignments, to Ideal Braiding Machine Company, a Corporation of Rhode Island. Filed Mar. 16, 1922. Serial No. 544,263. Renewed Feb. 29, 1924. 8 Claims. (Cl. 96—19.)

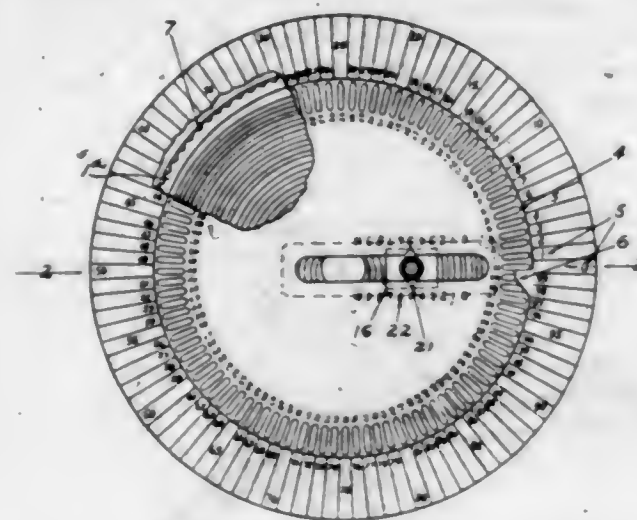
1. In a braiding machine the combination with a raceway-table, of a friction clutch through which the driving of the carriers in said raceway is controlled, a lever for

operating said clutch, an arm pivotally mounted adjacent the raceway in said table to be engaged by a carrier traveling therein having a defective thread supply, and a latch



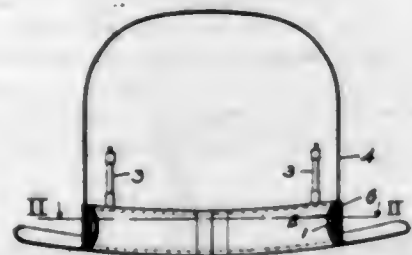
bolt positioned to retain said lever in operative position and adapted to be withdrawn by a movement of said arm to release said lever and permit said clutch to operate.

1,510,481. ADDING MACHINE. EDWIN R. KOESTER, Erie, Pa. Filed June 28, 1920. Serial No. 392,392. 3 Claims. (Cl. 235-78.)



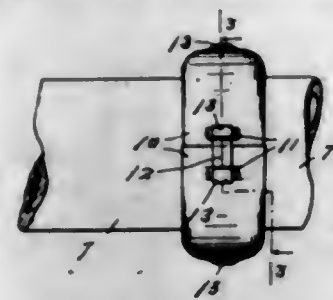
1. In an adding machine, the combination of a rotating dial having numbered spaces with notches in the spaces; a stationary dial adjacent to the movable dial having corresponding numbered spaces; and a stop adapted to engage an implement in the notches of the rotating dial at the zero position of the stationary dial, said notches being elongated to permit an implement in one end of the notch to clear the stop and in the other end of the notch to engage the stop.

1,510,482. SWEATBAND FOR HATS. HOMER D. KRAMER, Pittsburgh, Pa. Filed Aug. 2, 1923. Serial No. 655,185. 4 Claims. (Cl. 2-182.)



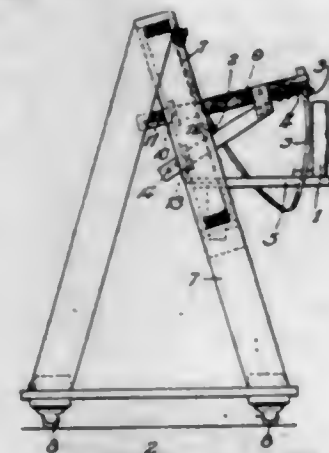
1. An inflatable sweat-band for hats, including in combination a stiffener of rigid material and a sack of elastic and expansible material enclosing said stiffener, the structure adapted to be secured when deflated in close parallelism to the wall of a hat and when so secured adapted on inflation to present an inwardly belled pneumatic cushion for engagement with the head of the wearer.

1,510,483. JOINT PROTECTOR FOR SEWER PIPES. FREDERICK W. LANG, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No. 554,141. 2 Claims. (Cl. 285-99.)



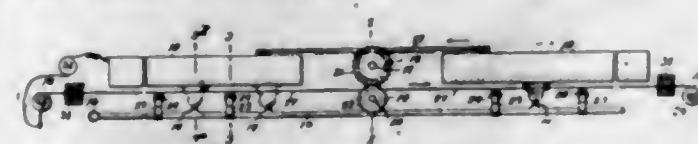
1. A protector of the kind described comprising duplicate segmental sections that have overlapping engagement that permit circumferential sliding movement of one of said sections upon the other, and loose duplicate hinge straps connected to said sections.

1,510,484. METHOD OF AND APPARATUS FOR STRAPPING BOXES. JOHN W. LESLIE, Evanston, Ill. Filed Aug. 2, 1921. Serial No. 489,366. 11 Claims. (Cl. 100-57.)



3. Apparatus useful for applying tensional binding material to boxes and the like, comprising a stand having thereon a support adapted to receive a coil of binding material and maintain the same in approximately vertical position, and a support adapted to maintain one end of a box or package adjacent to said coil.

1,510,485. PRODUCTION OF CARBON BLACK. GEORGE CHARLES LEWIS, New Dorp, N. Y., assignor to Columbian Carbon Company, Williamsport, Pa., a Corporation of Delaware. Filed Mar. 30, 1923. Serial No. 628,721. 31 Claims. (Cl. 204-64.)

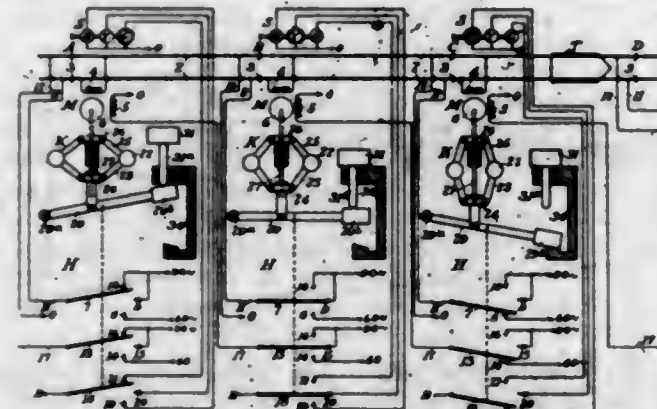


1. The method of increasing the yield of carbon black produced by the impinging of a flame on a cooler surface consisting in cooling a portion of the flame spaced from said surface.

1,510,486. RAILWAY SIGNALING. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 25, 1917. Serial No. 182,652. 5 Claims. (Cl. 246-38.)

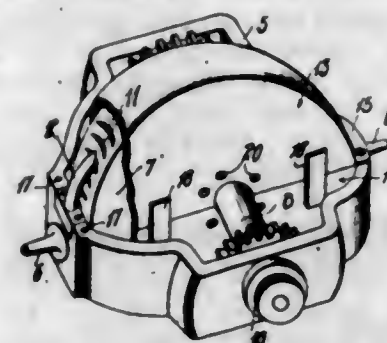
4. A railway signaling system comprising a plurality of track sections, a relay for each section having a track winding receiving energy from the rails of the section and a line winding, each relay responding selectively to alternating currents of two characteristics in its windings, means controlled by the relay of each section for supplying current of one of said characteristics or the other to the rails of the section in the rear, means also con-

trolled by the relay of each section for supplying to the line winding of the relay for the section in the rear alter-



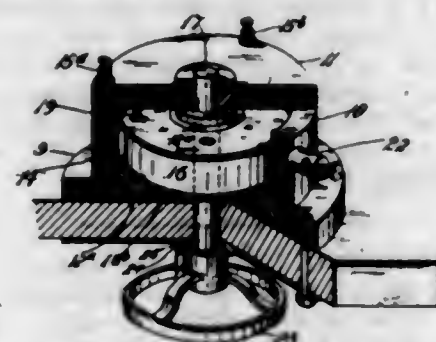
nating current of the same characteristic as is supplied to the rails of said section in the rear, and signals controlled by said relays.

1,510,487. TORI'EDO. SCOTT B. MACFARLANE and LOUIS J. BARRY, Middletown, R. I., assignors to the Government of the United States. Filed Aug. 9, 1920. Serial No. 402,506. 6 Claims. (Cl. 74-78.)



1. In combination with an air sustained gyro wheel, a member surrounding the periphery of said wheel, said member having an opening at each side permitting the discharge of air so arranged as to prevent unbalancing of the gyro wheel.

1,510,488. MULTIPLE-WAY SELECTOR SWITCH. FRANK H. MADSEN, Sydney, New South Wales, Australia. Filed Apr. 7, 1923. Serial No. 630,671. 2 Claims. (Cl. 200-6.)

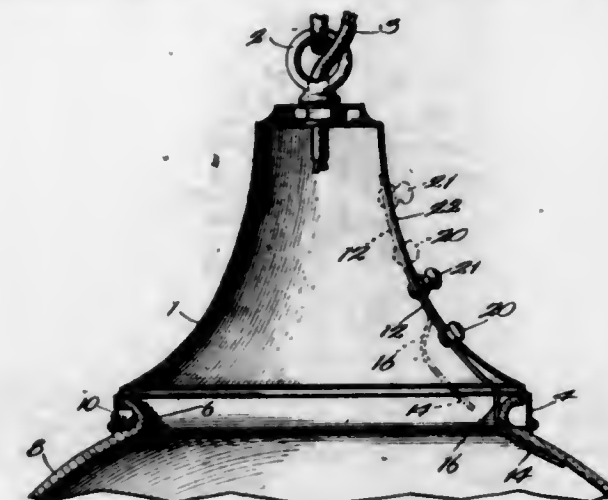


2. An improved multiple way selector switch comprising a cylindrical casing, a plurality of symmetrically disposed contacts therein, a cover with a corresponding number of contacts electrically connected with those first-mentioned, a drum rotatable within the casing having slip rings, spring controlled contacts on opposite sides of the drum connected with the slip rings, and wipers brought into connection with any pair of the first and second mentioned contacts through the slip rings and spring controlled contacts.

1,510,489. LIGHTING FIXTURE. MYER M. MARKS, Chicago, Ill. Filed July 14, 1923. Serial No. 651,536. 8 Claims. (Cl. 40-32.)

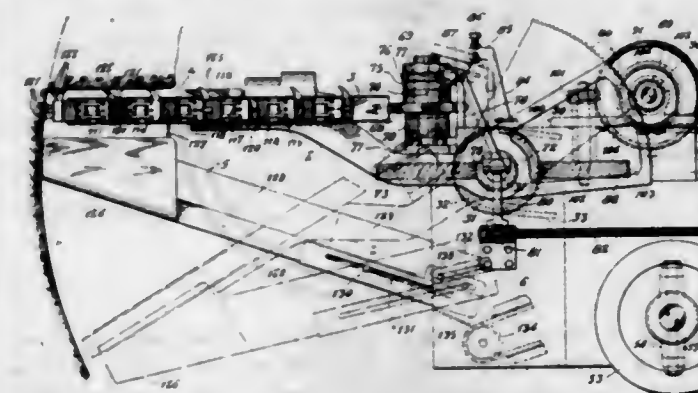
1. A shade holder for shades which are open at the top and have an inward projecting rim at the opening

in the top, said shade holder having means for supporting the shade, including a member slidably mounted



upon the inner surface of the shade holder, and adapted to be slid downward and outward to underlie the upper rim of the shade.

1,510,490. MINING MACHINE. MARTIN W. MUEHLHAUSER, Cleveland, Ohio, assignor of fifty-five one-hundredths to Sherman W. Schofield, Cleveland, Ohio. Filed Feb. 13, 1922. Serial No. 535,985. 7 Claims. (Cl. 262-29.)



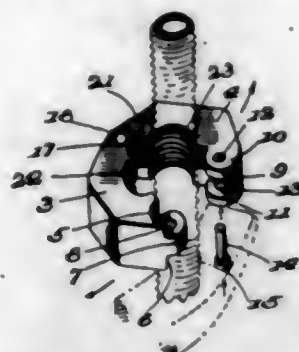
1. In a mining machine, a carriage; a cutter pivotally mounted on said carriage; means for swinging said cutter about its pivot; means for driving said cutter; and means operative upon a predetermined movement of the cutter to disconnect said cutter from its driving means.

1,510,491. CHILD'S VEHICLE. EDWARD J. BAISDEN, New York, N. Y., assignor, by mesne assignments, of one-half to George E. Grey and one-half to Geritt J. Lloyd, both of New York, N. Y. Filed Dec. 26, 1922. Serial No. 609,032. 3 Claims. (Cl. 208-42.)



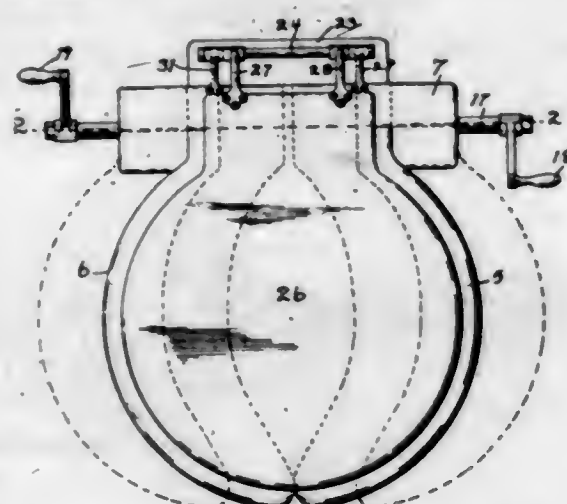
1. A device of the class described comprising a body, a front wheel for the same, a rear wheel, a crank shaft connecting the rear wheel with the body, a support under the body, a pedal bar pivoted to the support and a link connecting the pedal bar with the rear of the body for permitting the body to be raised by depressing the pedal bar.

1,510,492. NUT. LOUIS G. CARON and TUCKERMAN J. FUQUA, Washington, D. C. Filed Mar. 23, 1922. Serial No. 346,863. 4 Claims. (Cl. 85—33.)



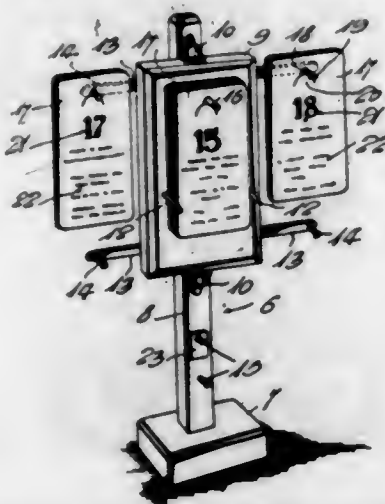
1. A nut comprising a pair of identical complementary interfitting sections, and means passing through the interfitting portions for maintaining the sections in assembled relation.

1,510,493. ADJUSTABLE TOILET SEAT. FRANK B. DILLARD, Oakland, Calif. Filed Nov. 6, 1922. Serial No. 399,336. 2 Claims. (Cl. 4—237.)



1. In a device of the character described, a cross piece, a shaft mounted on said cross piece, worms formed on said shaft, and substantially semi-circular seat portions slidably secured to said cross piece and adapted to be simultaneously moved toward or away from each other through the rotation of said shaft.

1,510,494. CUSTOMER'S TURN INDICATOR FOR BARBER SHOPS AND THE LIKE. FRANK GURLEY, High Point, N. C. Filed Oct. 21, 1920. Serial No. 418,496. 3 Claims. (Cl. 40—19.5.)



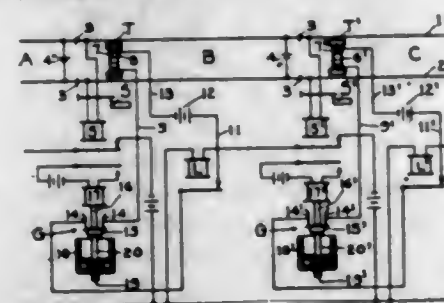
3. In a device of the character described, a card-receiving rack comprising a back board, means for supporting the same in operative position, main card-holding means arranged on said back board, a side arm projecting from said back board, and auxiliary card-supporting means carried by said side arm.

1,510,495. COMBINATION TOOL. FREDERICK G. GURLEY, Newport, Ky. Filed Aug. 4, 1923. Serial No. 655,631. 2 Claims. (Cl. 7—13.)



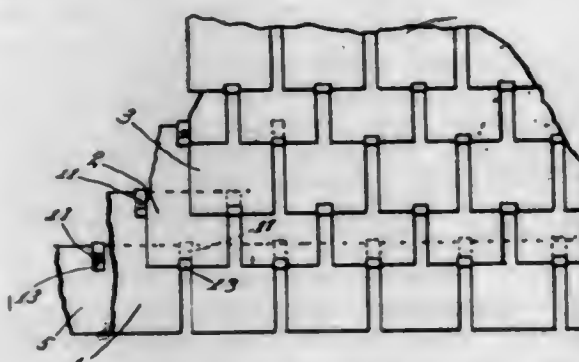
1. The combination with a saw blade having a straight edge and a handle, said handle being provided with a recess adjacent the blade and a groove having one end in communication with the recess, of a pivot block secured within the recess, a relatively short blade reduced at one end and provided with a shoulder and pivotally secured to the block, whereby the said blade may be swung outward to a right-angular position when the shoulder engages the edge of the block, and means for holding the pivoted blade against inward movement.

1,510,496. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed May 15, 1919. Serial No. 293,343. Renewed Aug. 20, 1924. 29 Claims. (Cl. 246—63.)



26. In an automatic train control system for railroads having tracks divided into blocks each having a normally closed track circuit and including a normally energized track relay; a track element near the entrance to each block comprising a core of magnetic material having a coil thereon; a circuit for said coil including a normally closed contact controlled by the track relay of the next block in advance; and a time controlled device set into operation by the deenergization of the track relay at the entrance to a block for controlling the circuit for the track element at the entrance to the corresponding block.

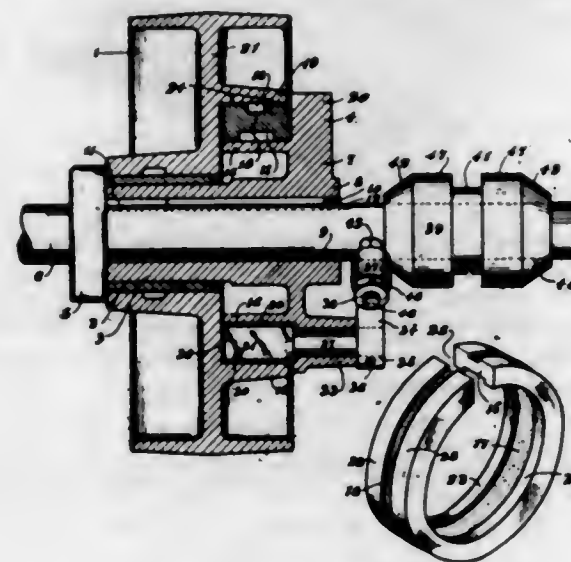
1,510,497. ROOFING DEVICE. CHARLES L. KELLER, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed June 25, 1923. Serial No. 647,504. 2 Claims. (Cl. 108—33.)



1. A roof formed of composition shingles, laid in courses, the individual shingle units being spaced apart

In courses sufficient to cast a shadow, and the courses overlapped, and securing devices formed of metal strips having body portions each provided with a nail hole intermediate its ends, and with a hook at the lower end, said hook having a stand of a height equal to the thickness of two shingles, and a return bent end, said securing devices laid with their body portions placed against the shingles, nails extending through the body portions, and shingles and into the roof deck and the upper ends of the body portions aligned with the top ends of the shingles, the shingles interspaced throughout the roof by the said securing devices, and the hooks engaging the butts or lower projecting ends of the shingles, said stands of the hooks extending from the shingles on which the hooks are placed, and damming up the spaces between the shingles interspaced by the securing devices, whereby the back lap of the roof may be cut down and exactly determined by the length of the body portions, and curling of shingles prevented at the point where they overlap the dammed-up spaces.

1,510,498. FRICTION CLUTCH. WILLIAM LE GENDRE, Cincinnati, Ohio. Filed June 26, 1923. Serial No. 647,816. 12 Claims. (Cl. 192—78.)



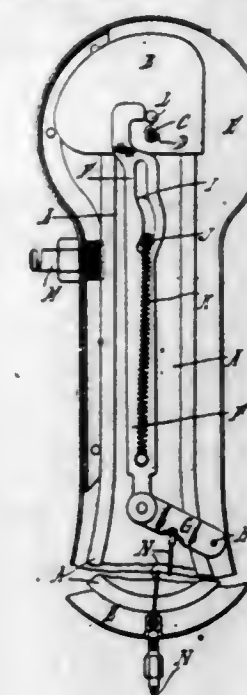
12. In a friction clutch of the class described, a split friction ring having a non-machined circumferential groove.

1,510,499. TOBACCO-PIPE CLEANER. FRITZ PFABE, Leipzig-Schleussig, Germany. Filed Aug. 1, 1921. Serial No. 488,766. 1 Claim. (Cl. 131—13.)



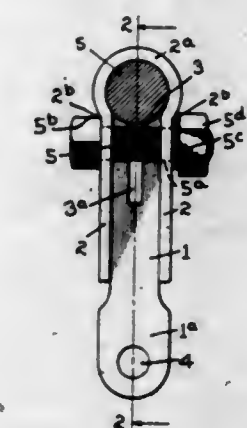
A tobacco pipe cleaner comprising a handle having a cavity therein extending lengthwise from one end thereof to within a short distance of the other end, a plurality of rasps having elastic shanks extending into said cavity and fixed to the handle at the base of said cavity, said rasps being dished and integral with said shanks, a slidable ring embracing said shanks, enabling the divergent ends of said rasps to be contracted, and a removable pipe picker fitting into said handle and extending through said cavity between the shanks of the rasps.

1,510,500. SIGNALING APPARATUS FOR VEHICLES. WILLIAM MAIR ROLPH, London, England. Filed July 9, 1923. Serial No. 650,446. 13 Claims. (Cl. 116—52.)



1. In signaling apparatus for use on vehicles, the combination of a weighted indicating arm capable of free oscillation under the influence of gravity alone about a horizontal axis and a rod so arranged as normally to lock the indicating arm but capable of a sliding movement to release the arm.

1,510,501. LEVER. DAVID E. ROSS, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed Sept. 21, 1923. Serial No. 663,954. 11 Claims. (Cl. 74—5.)

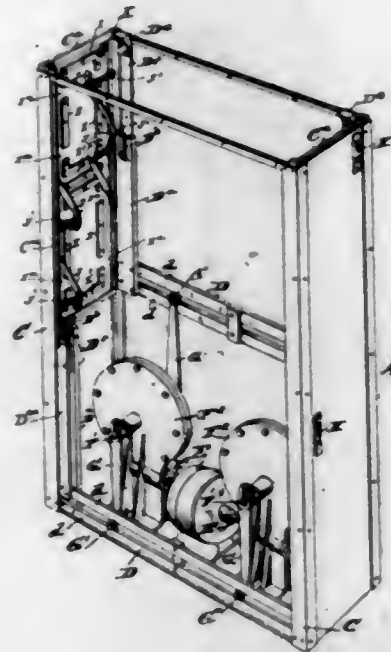


1. A lever of sheet metal, comprising a substantially trough-shaped body portion, an arc-shaped flange of greater diameter than the width of the body portion connecting the adjacent ends of the side member of said body portion, and adapted to fit around a shaft, and means for drawing said side members of the body together to contract the arc-shaped flange around the shaft.

1,510,502. PHOTOGRAPH-DISPLAY CABINET. HARRY ROTH, Detroit, Mich. Filed July 21, 1923. Serial No. 652,870. 7 Claims. (Cl. 40—36.)

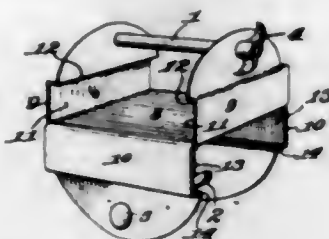
1. In a device of the character described, a cabinet provided with window openings in its front and rear walls, a pair of vertically movable frames, means for guiding the respective frames adjacent the front and rear window openings of the cabinet, a prime mover located within the cabinet, a train of gears actuated by said prime mover, crank arms actuated by said gears adapted to alternately and simultaneously raise and lower the respective vertically movable frames, a plurality of removable frames each adapted to receive a pair of ad-

vertising cards or the like, means carried by the vertically movable frames adapted to engage the removable photograph or advertising card frames, whereby they may be brought in front of the respective window openings and withdrawn therefrom and means for urging the removable



photograph or advertising card frames laterally from the front of the cabinet to the rear of the latter and back to the front of the frame, whereby the advertising cards or the like, carried by said frames may be successively viewed through the front and rear windows of the cabinet.

1,510,503. CORNER JOINT. JOHN C. SCHMIDT, St. Louis, Mo., assignor to himself and Frederick C. Schmidt, trustees. Filed Feb. 3, 1920. Serial No. 355,919. 1 Claim. (Cl. 45-24.)

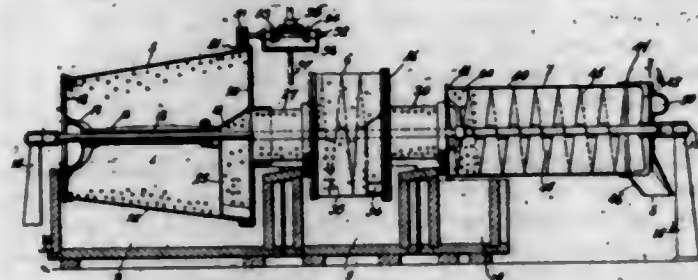


A corner joint for connecting rectangular members crossing each other at right angles comprising a metal blank having an intermediate portion or web adapted to be interposed between adjacent faces of the members, and oppositely directed pairs of integral projections extending from the web to embrace the said members on opposite sides, the projections of each pair being spaced apart at their outer ends for practically the full width of the member embraced therebetween, a bolt spanning the distance between the said spaced ends and supported thereby in outwardly spaced relation to the underlying member to provide a handle, said bolt having a headed end supported in one projection and a threaded terminal supported in the other projection, and a thumb screw engaging the threaded terminal beyond the projection.

1,510,504. APPARATUS FOR CLEANING ARTICLES. GEORGE W. SCHWEINSBERG and MASON I. DOYLE, Brooklyn, N. Y., assignors to U. S. Electroalvanizing Company, a Corporation of West Virginia. Filed July 16, 1919. Serial No. 311,156. 6 Claims. (Cl. 141-1.)

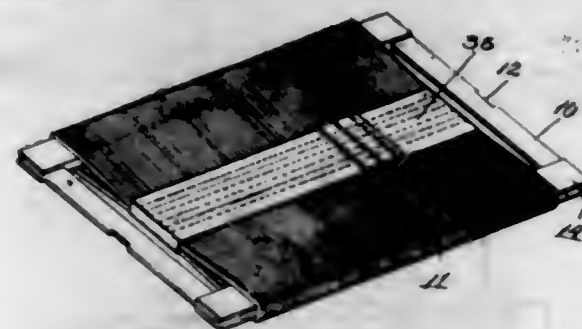
4. In apparatus for treating articles in a series of liquids, the combination of a plurality of rotatable drums mounted on a common shaft and having transferring means between each drum and the next succeed-

ing drum to automatically pass the articles from one drum to the other, and means permitting at least one



of said drums to be independently driven so that the treatment of the articles in said drum may be separately regulated.

1,510,505. METHOD OF MAKING MOPS. WILLIAM SEVERNS, Chicago, Ill. Filed Aug. 17, 1921. Serial No. 493,012. 7 Claims. (Cl. 300-21.)



1. A method of making mops including winding yarn upon a frame in regular order, attaching the yarn along its central longitudinal line by stitches to a binder, cutting the yarn along the edges of the frame, and folding over the swatch to the form of a mop and again stitching through the binder.

1,510,506. SIGNAL-CONTROL TRAIN STOP. CHARLES D. SMITH, New York, N. Y. Filed Nov. 21, 1922. Serial No. 602,394. 2 Claims. (Cl. 246-195.)



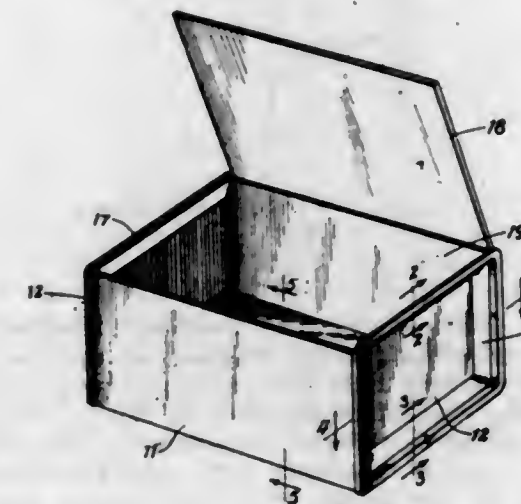
1. A safety device of the class described comprising a support, bearings mounted on the support, a slidable element including a circuit breaker at one end and a valve actuating member at the opposite end, coils supported on the bearings, a contact arm cooperating with the coils, resilient means for maintaining the slidable element in a set position and lying in the path of movement of the contact arm said slidable element being releasable to simultaneously break the circuit and open the valve when the magnet is energized.

1,510,507. FIGURE TOY. ABRAHAM M. SMOLENS, New York, N. Y. Filed Nov. 27, 1922. Serial No. 603,406. 2 Claims. (Cl. 46-40.)



1. A mechanical toy, comprising a puppet with jointed limbs, a shaft on which the puppet is mounted, a pinion, fixedly supported on the shaft, a pair of resiliently connected tongs, cooperating with and rotatably supporting said shaft and a rack rigidly attached to one of the tong tops and adapted to operatively engage said pinion.

1,510,508. CIGAR BOX. VERNON C. SNYDER, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 29, 1920. Serial No. 426,897. 10 Claims. (Cl. 217-2.)



1. A container for cigars and the like, comprising in combination a paper body portion and metal ends, said body portion having a movable top, and said metal ends being clamped to the end edges of the back, bottom and front of said body portion, leaving movable the end edges of said top.

1,510,509. CLEANER OR WIPER FOR WINDSHIELDS AND THE LIKE. GILBERT I. STADEKER, Chicago, Ill. Filed Aug. 1, 1921. Serial No. 488,798. 8 Claims. (Cl. 15-255.)

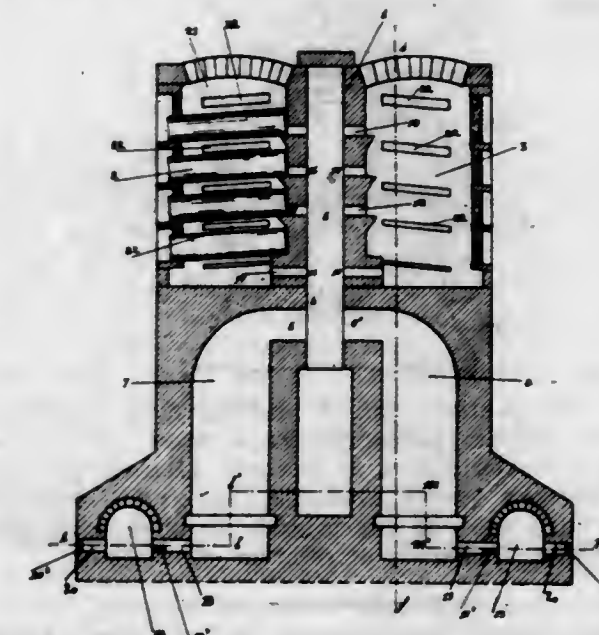
1. A wind shield wiper for automobiles and the like, comprising a wiper body, a body supporting arm, said body and arm being arrangeable upon the outside of the

wind shield, a handle member arrangeable upon the inside of the wind shield, connections between said handle and said arm to cause conjoint movement thereof, and a clamp forming a bearing for said connection and adapted to embrace the top part of the frame of the wind shield, said clamp comprising a pair of sheet metal



members formed with substantially flat overlying horizontal flanges, vertical parallel flanges at the opposite side edges of the horizontal flanges and inwardly extending portions at the bottom of said clamp members for engaging beneath the frame part, together with clamping bolts arrangeable through the two vertical portions of said clamping parts.

1,510,510. FURNACE. VICTOR TANIER, Sclaigheaux, Belgium. Filed Feb. 5, 1923. Serial No. 617,068. 7 Claims. (Cl. 263-39.)



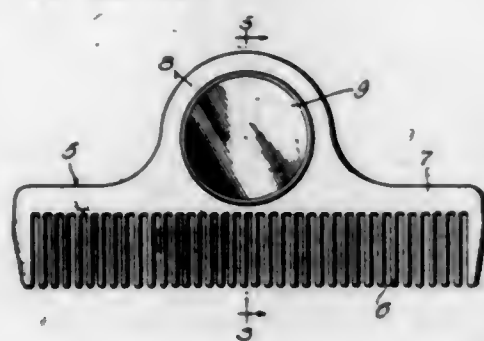
1. A regenerator furnace having a heating chamber divided into two halves by a longitudinal partition, said partition extending up to the roof of the furnace so as to completely separate said halves of the heating chamber, regenerators situated at both ends of the heating chamber, said regenerators being in communication with said halves of the furnace, and means for dividing the air and gas coming from the regenerators arranged at one end of the heating chamber into two streams directed each into one of the halves of the heating chamber.

1,510,511. COMB OR SIMILAR ARTICLE. ALEXANDER TOBIAS, Brooklyn, N. Y. Filed June 6, 1922. Serial No. 566,315. 2 Claims. (Cl. 132-11.)



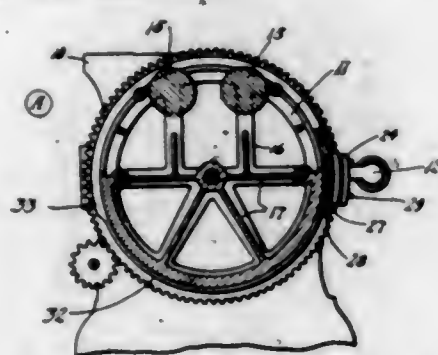
2. An article of the class described comprising a reinforcing frame having a back and teeth which conform to the finished article, long narrow openings in said back and the teeth of said frame each having irregularities in their surface and material adapted to be cast upon said frame to entirely cover the surface thereof.

1,510,512. COMB. SAMUEL TRACHTENBERG, Cleveland, Ohio. Filed May 19, 1924. Serial No. 714,341. 1 Claim. (Cl. 132-79.)



A comb including an extension arranged in a plane with its back and stamped integral therewith, and a mirror arranged upon one face of extension.

1,510,513. PRINTING MACHINE. WALTER E. VERKLER, Chicago, Ill. Filed Mar. 31, 1923. Serial No. 628,984. 8 Claims. (Cl. 101-244.)

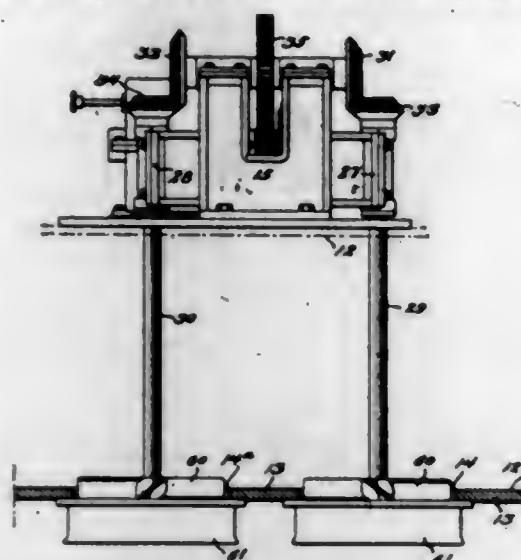


1. In combination with a printing drum carrying a printing cylinder semi-circular in cross section and having a counterbalance at one end adjacent the printing cylinder, a second counterbalance at the other end of the drum opposite the printing cylinder, and means for regulating the speed of rotation of the drum.

1,510,514. AGITATOR. NOAH WALKER, Philadelphia, Pa. Original application filed Dec. 10, 1921, Serial No. 521,557. Divided and this application filed Mar. 13, 1924. Serial No. 698,919. 2 Claims. (Cl. 259-131.)

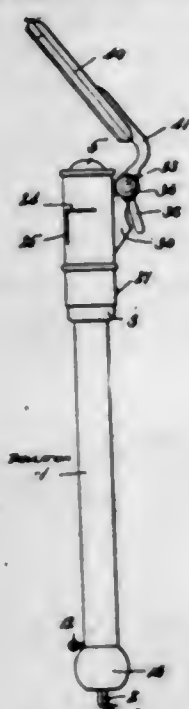
1. Agitating apparatus of the character described, including a propeller shaft; a head structure including a bearing for the upper part of the propeller shaft; a partition having a hole; a supporting sleeve in registry with said hole and including a collar provided with an angular hole; a bushing having an angular portion removably fitting said hole to allow the bushing to be readily removed when worn and another bushing to be substituted in said angular hole; and a propeller on

said shaft above said bushing, said shaft below said head bearing having a part rotatably fitting within said



bushing whereby the propeller and shaft are prevented from lateral or swinging movement during operation and whereby rapid wearing of the head bearing is prevented.

1,510,515. FINDER LIGHT. CLEMENT J. WERNER and JOSEPH H. SMART, Dorchester, Mass. Filed Mar. 4, 1922. Serial No. 541,228. 1 Claim. (Cl. 240-1.)

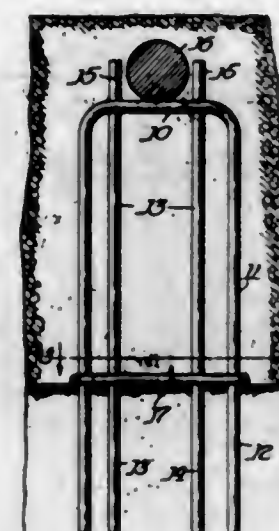


A finder light of the kind described, comprising an elongated cylindrical handle member of non-conducting material, an electric light bulb removably secured thereto at one end, conductors included in circuit with said bulb and extending through the interior of said handle, a switch included in circuit with said conductor and located within the handle at the end remote from the bulb, an operating handle for said switch extending laterally outward from the handle and rotatable about the longitudinal axis of the handle, said handle being provided with a circumferential slot through which the operating handle of the switch extends and which limits the rotative movement of the operating handle, a cylindrical casing slidably mounted over the handle adjacent the bulb and provided with laterally extending lugs, and a protecting mirror adjustably mounted in said lugs.

1,510,516. CHAIR FOR CONCRETE BARS. WILLIAM E. WHITE, Chicago, Ill. Filed July 23, 1921, Serial No. 486,973. Renewed Mar. 28, 1924. 7 Claims. (Cl. 94-8.)

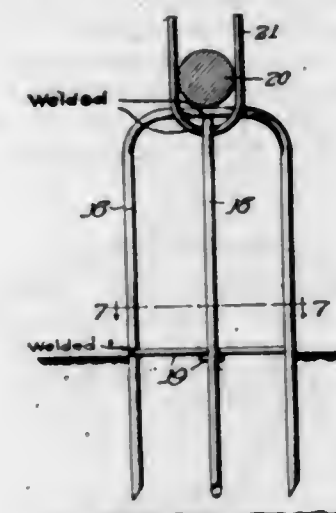
2. In a chair, the combination of a wire bent to provide a horizontal portion and legs, a second pair of

legs welded at their upper ends to said horizontal portion and having portions projecting above said horizontal



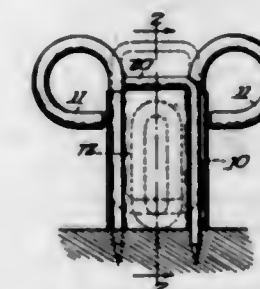
portion to constitute a seat for a bar, and means joining and bracing all of said legs at a point between their ends.

1,510,517. REINFORCING CHAIR. WILLIAM E. WHITE, Chicago, Ill. Filed Aug. 12, 1921. Serial No. 491,834. 3 Claims. (Cl. 72-122.)



1. In a reinforcing chair, the combination of a pair of staples rectangularly disposed and welded at the point of engagement between the transverse members of the staples, and means secured to the chair for forming a seat for a reinforcing rod.

1,510,518. INSERT. WILLIAM E. WHITE, Chicago, Ill. Filed Apr. 26, 1922. Serial No. 556,597. 8 Claims. (Cl. 72-105.)



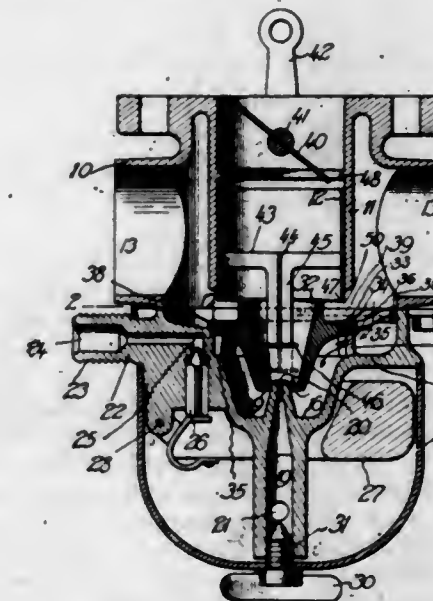
8. In an insert, the combination of a housing, means for anchoring the same in concrete, a hanger within the housing, and a separate staple straddling the housing with the staple points adapted to project beyond the lower limits of the housing.

1,510,519. BUILDING CONSTRUCTION. DANIEL BAUGH, Hobart, Ind. Filed Mar. 9, 1923. Serial No. 623,937. 2 Claims. (Cl. 189-36.)



1. In a building construction, a channel beam, metallic plates having their edges flanged and arranged in abutting relation, a spacer between the beam and plates and abutting said flanges, bolts securing the spacer to the flanges, and clamps connected to the bolts and secured over said beam.

1,510,520. CARBURETOR. CHESTER F. JOHNSON, Detroit, Mich. Filed Jan. 31, 1916. Serial No. 75,396. 5 Claims. (Cl. 261-64.)



1. In a carburetor, the combination of a carbureting portion, provided with a bottom having a central depression, means for conducting fuel into said chamber adjacent said depression, a downwardly tapering tube rotatably mounted in said chamber, and extending into said depression, a cylindrical valve slidably mounted within the chamber and adapted to be raised by the flow of air through said tapering tube, said tube being provided with means for varying the flow of air there-through by a rotation thereof.

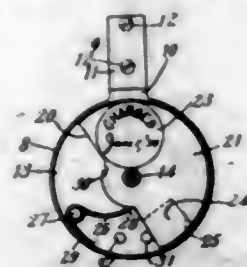
1,510,521. GLASS. FRED M. LOCKE, Victor, N. Y. Filed Sept. 16, 1916, Serial No. 120,555. Renewed Apr. 3, 1922. Serial No. 549,165. 7 Claims. (Cl. 106-36.1.)

1. A glass containing over 78% of silica, under 5% of alkali, alumina, an alkali earth, and boric oxide, and having a coefficient of expansion substantially .0000032.

1,510,522. RECORDING AND INDICATING DEVICE FOR FIRE EXTINGUISHERS. JEROME B. NORTON, Roslindale, Mass., assignor to Badger Fire Extinguisher Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1924. Serial No. 687,158. 12 Claims. (Cl. 116-114.)

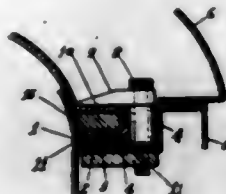
10. A recording and indicating device of the character described comprising, in combination, a casing provided with an opening therein, a gravity actuated indicator mounted in said casing and provided with a recording

surface thereon normally visible through said opening, said indicator also being provided with an indicating surface thereon and being adapted to rock within said casing when the latter is tipped to move the recording



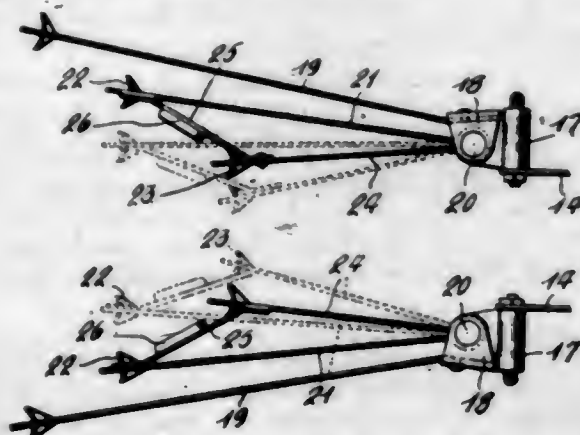
surface thereof out of view through said opening and to move said indicating surface into view through said opening and means to automatically lock said indicator in a tipped position with said indicating surface in view through said opening.

1,510,523. CASKET AND METHOD OF HERMETICALLY SEALING THE SAME. ROBERT F. PADEN, St. Louis, Mo., assignor to St. Louis Coffin Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 24, 1922. Serial No. 556,223. 3 Claims. (Cl. 27-17.)



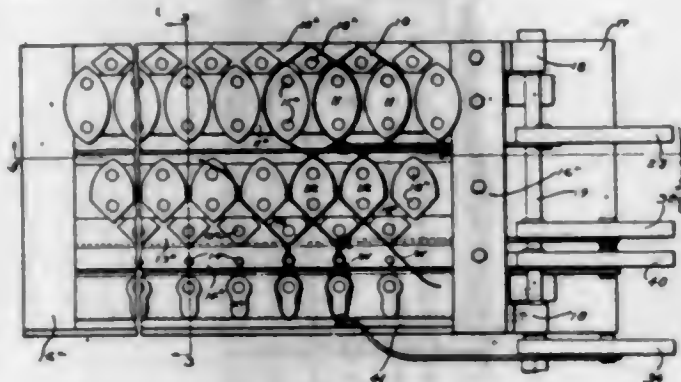
1. In a casket, a main body part having an upper edge flange, a cover fitting thereon, said cover having a lower edge flange which cooperates with the edge flange on the body part, a sealing strip of flexible somewhat porous material interposed between the edge flanges of the said body part and said cover, said sealing strip having its ends folded over with the edges thereof in spaced relation to form a channel to contain adhesive material, the bottom of the sealing strip being cemented to the edge flange on the main body part, and clamping screws carried by the body part to engage the edge flanges and compress the sealing strip therebetween and cause the adhesive material in the channel to spread and penetrate the pores of the sealing strip and that portion of said adhesive in the space between the edges to adhere to the material of the edge flange of the cover.

1,510,524. CULTIVATOR. HENRY PETERSEN, Mount Auburn, Iowa. Filed June 20, 1921. Serial No. 478,825. 6 Claims. (Cl. 97-151.)



1. In a cultivator, a relatively fixed beam and connected laterally swinging beams movable in unison relatively thereto, and a vertical pivot common to said swinging beams and on which they swing, laterally of the cultivator said fixed and swinging beams mounted for vertical pivotal movement in unison.

1,510,525. WIREWORKING APPARATUS. JOHN PRUTSCHER, Chicago, Ill. Filed Nov. 15, 1921. Serial No. 515,293. Renewed Feb. 16, 1924. 5 Claims. (Cl. 140-71.)

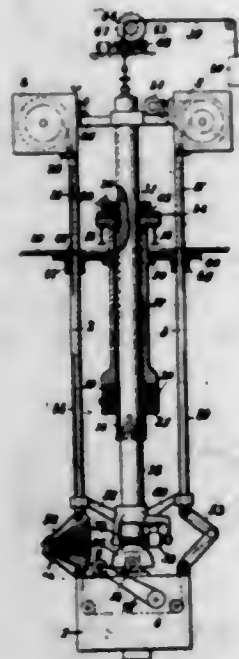


1. In a wire-bending machine, a plurality of formers arranged in rows, certain of said rows being spaced, and work elevating means in the space between said rows for stripping the work off the formers.

1,510,526. PRODUCTION OF BUTYL ALCOHOL AND ACETONE BY THE FERMENTATION OF MOLASSES. GUY C. ROBINSON, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed July 11, 1922. Serial No. 574,304. 2 Claims. (Cl. 260-135.)

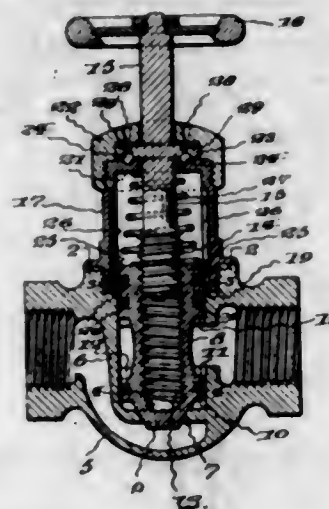
1. In a process of utilizing low grade molasses in butyl alcohol and acetone fermentation, the improvement which comprises purifying the molasses with an activated decolorizing carbon to thereby prevent interference with cell division by the toxic constituents of the molasses and thereafter adding to the molasses a mass of fermenting cereal material in which the cell division of the ferment producing organisms is well advanced.

1,510,527. CINEMATOGRAPHIC APPARATUS. ALEXANDER V. ROTHE, Berlin-Wilmersdorf, Germany. Filed Feb. 28, 1921. Serial No. 448,652. 36 Claims. (Cl. 88-16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



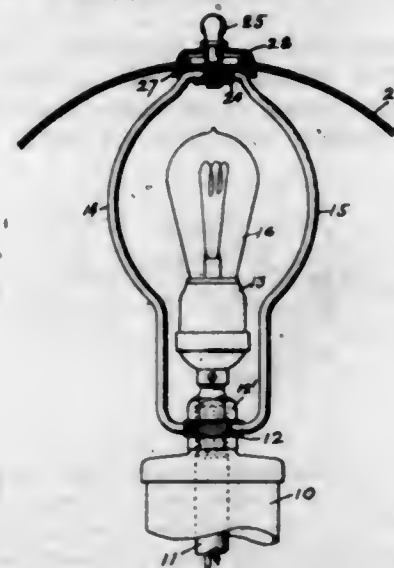
1. An apparatus for taking moving pictures, having a camera proper, a film spool box arranged outside of said camera and at a distance therefrom, light tight film conducting means connecting said box with said camera and means allowing of oscillation of said camera relatively to the film conducting means.

1,510,528. VALVE. FRED A. SEENSTE, Hammond, Ind., assignor of one-half to George A. Crawford, Hammond, Ill. Filed Feb. 12, 1923. Serial No. 618,619. 1 Claim. (Cl. 251-47.)



A valve comprising a casing containing a port, a reciprocating non-rotating valve for said port, a rotatable non-traveling valve-operating stem having a threaded connection with the valve, a bonnet for the casing, said bonnet being closed at its outer end, a cap over said bonnet end, the valve operating stem passing through the bonnet end and the cap and having a collar therebetween, and anti-friction balls between the collar and the bonnet end, said collar and the cap having lubricant passageways leading to the anti-friction balls.

1,510,529. SHADE HOLDER FOR INCANDESCENT ELECTRIC LAMPS. LOUIS SIMENOWSKY, Milwaukee, Wis. Filed Aug. 14, 1922. Serial No. 581,555. 2 Claims. (Cl. 240-148.)

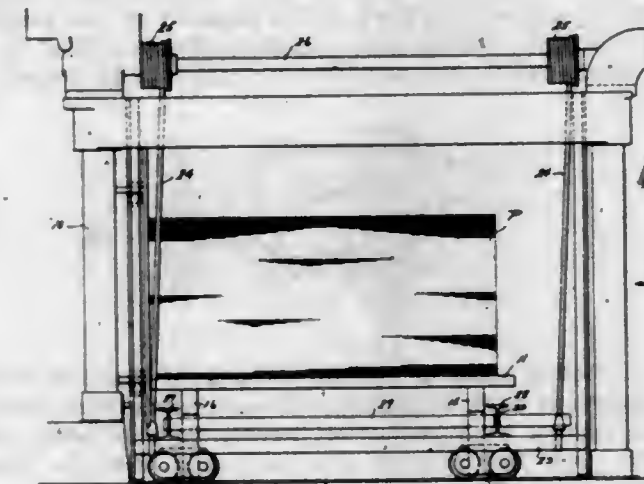


1. A harp for supporting a lamp shade, comprising two upstanding arms, curved at both ends and meeting to form circular openings at the top and bottom of the harp, the end portions of the harp about the openings at the top and bottom being encircled by shells of sheet metal to hold the parts in position, the circular openings formed by the curved meeting ends being interiorly threaded to receive screws for supporting the harp and for supporting the shade thereon, respectively.

1,510,530. APPARATUS FOR HANDLING PILES OF PAPER. JOSEPH WHITE, Middlesex, and WILLIAM ECKHARD, Plainfield, N. J.; Minnie E. White, administratrix of said Joseph White, deceased, assignors, by mesne assignments, to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Apr. 21, 1920. Serial No. 375,430. Renewed July 5, 1924. 2 Claims. (Cl. 214-38.)

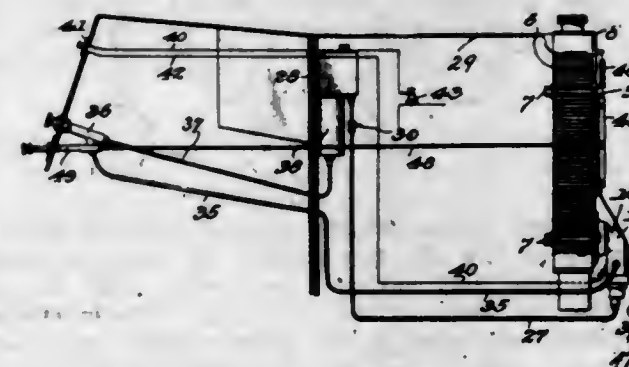
1. A platform adapted to support a pile of sheets, a pair of roller rods extending under opposite ends of said

platform, a pair of cross beams arranged to engage and support the ends of said rods, a pair of supporting members arranged to engage and support said cross beams, elevating means to raise and lower said supporting members and a truck to receive and support said platform



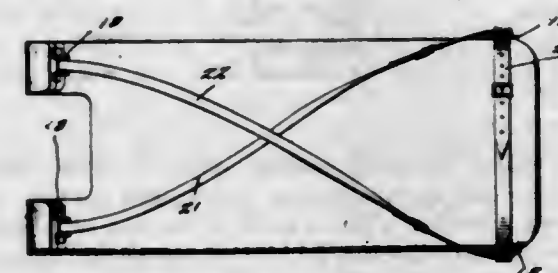
when it is lowered, said rods, cross beams and supporting members being detachably connected so as to be removable when the platform is resting on said truck, whereby the platform may be moved with said truck into and out of cooperative relation with said elevating means.

1,510,531. HEATER FOR AUTOMOBILE RADIATORS AND ENGINES. WILLIAM E. WILSON, Evansville, Ind. Filed Apr. 17, 1922. Serial No. 554,351. 6 Claims. (Cl. 257-125.)



1. A heater and ventilator for automobiles comprising a base adapted for attachment to the automobile radiator, a heater connected to and carried by said base, an independent ventilator connected to and carried by the base, said base, heater, and ventilator comprising a unitary attachment adapted for connection to, or removal from, the radiator, and means operated by the ventilator for controlling the heater.

1,510,532. FLOAT FOR SWIMMERS. RAYMOND C. ZORN, Galveston, Tex. Filed Feb. 2, 1924. Serial No. 690,222. 5 Claims. (Cl. 9-21.)



1. A device of the class described, comprising a hollow body of water-tight construction and provided with flat surfaces merging at one end into curved surfaces pro-

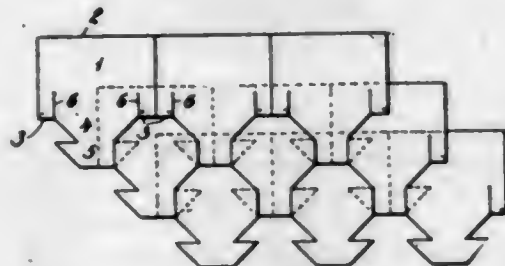
portioned to fit the shoulders of the wearer when one flat surface lies across the chest, and means for securing the device to the body of the wearer.

1,510,533. INTERLOCKING STRIP SHINGLES. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed May 26, 1922. Serial No. 563,777. 3 Claims. (Cl. 108-8.)



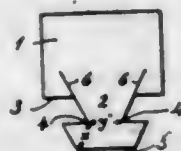
1. A roofing strip of flexible waterproof material having along one edge a plurality of projections with intervening spaces, each projection having parallel sides, an angular end, and aligned slits extending inwards from the converging edges of the end, the slits being separated a distance equal to the space between the parallel sides of adjacent projections.

1,510,534. INTERLOCKING SHINGLES. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed June 13, 1922. Serial No. 568,001. 3 Claims. (Cl. 108-8.)



1. A prepared roofing shingle comprising a body having an extension on one edge intermediate the ends, the sides of the extension each having a re-entering angle in opposite parts, the width of the outer end of the extension being substantially equal to the width between the innermost points of the angles, the body having an inwardly extending slit at either side of the base of the extension, the lengths of the slits being substantially equal to the distance from the outer end of the extension to the innermost points of the angles measured vertically.

1,510,535. INTERLOCKING SHINGLES. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed June 17, 1922. Serial No. 568,994. 3 Claims. (Cl. 108-8.)



1. A prepared roofing shingle adapted with similar shingles to be laid in overlapping interlocking courses, comprising a body having a downward projection of irregular shape at substantially the middle of its lower edge, the lower end portion of the projection having a wing at each side, the body having a pair of slits opening in its lower edge at the points where the sides of the projection meet said edge, the proximate slits of adjacent shingles of any course being adapted to catch the wings of the pro-

jection of a shingle of the immediately overlying course, whereby to interlock the courses with the lower ends of the projections held down.

1,510,536. PAINTBRUSH ATTACHMENT. GRACE BALLARD, now by marriage Grace Ballard Howell, Casper, Wyo. Filed July 26, 1923. Serial No. 653,842. 2 Claims. (Cl. 15-248.)



1. The combination with a brush, a rubber cup adapted to fit the brush stock, a rim sufficiently rigid to hold the cup open, swabbers arranged to work in the cup on opposite sides of the stock, and means extending along and substantially parallel to the brush handle for actuating the swabbers.

1,510,537. TOOL FOR MANIPULATING SPLIT RIMS FOR VEHICLE WHEELS. WILLIAM BARCLAY, Glasgow, Scotland. Filed June 13, 1924. Serial No. 719,746. 2 Claims. (Cl. 157-1.)

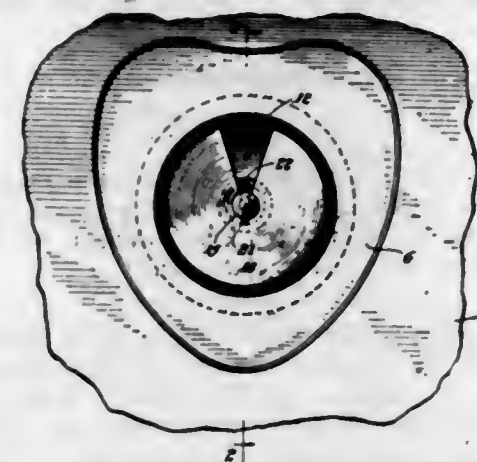


2. A tool for manipulating split rims comprising, in combination, a pair of clamps one attachable to the relatively fixed end of a rim and the other attached to the relatively movable end of said rim, and each provided with a journal post, a rocker constituted by a cam-plate having a fulcrum bearing to receive the journal post of the first clamp and a cam-slot spaced therefrom to receive as follower the journal post of said second clamp, and means for rocking said cam-plate, said cam-slot having a first rise, a second rise and a dwell intermediate said rises, said first rise engageable with the follower journal post to separate the ends of said rim prior to the contracting operation and said second rise engageable with the follower journal post to bring said ends together subsequent to the expanding operation.

1,510,538. VALVE FOR DENTAL PLATES. ARTHUR H. R. BERTHOLD, Chicago, Ill., assignor to International Dental Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 7, 1921. Serial No. 513,278. 3 Claims. (Cl. 32-4.)

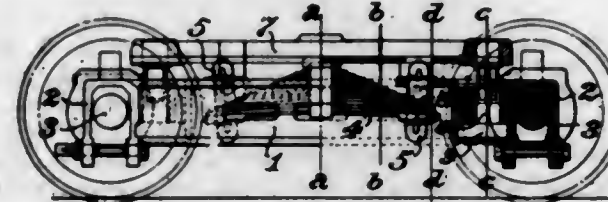
1. A suction valve for denture plates comprising a casing of relative small sectional dimension and provided with an aperture, a disk in said casing adapted to

close said aperture, a stem extending from said disk through said aperture, and a disk-shaped spring upon



the exterior of said casing and co-acting with the stem, whereby to maintain said disk in a normal position to close said aperture.

1,510,539. LOCOMOTIVE TRUCK. JAMES G. BLUNT, Schenectady, N. Y. Filed Aug. 18, 1922. Serial No. 582,748. 8 Claims. (Cl. 105-107.)



1. In a four wheeled truck, the combination with side girders, one at each side of the truck, comprising spaced parallel side walls, and having journal housings rigidly connected therewith, of a rigid frame having vertical sliding pedestal connections with said girders; and equalizing springs, located between the side walls of the girders, and coupled, at their ends thereto, and supporting the frame at the middle of their length.

1,510,540. TIPLESS LAMP STEM. ALBERT BRANN, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 2, 1921. Serial No. 474,487. 8 Claims. (Cl. 176-36.)



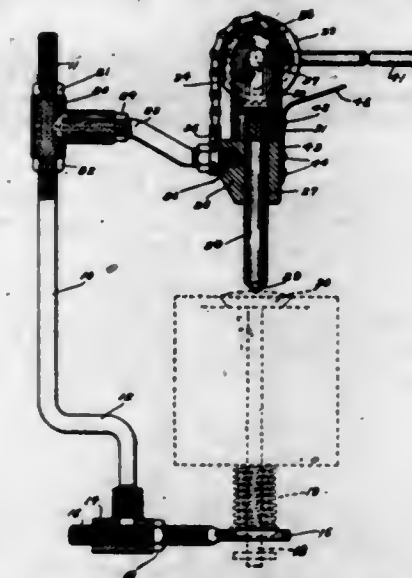
2. A lamp stem comprising leading-in wires, a flare tube and an exhaust tube, said tubes being consolidated in a mass about the leading-in wires, said mass having a lower coefficient of expansion within than on the surface.

1,510,541. ELECTRODE. CHARLES LALOR BURDICK, New York, N. Y., assignor to Chile Exploration Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 16, 1923. Serial No. 625,580. 12 Claims. (Cl. 204-1.)

1. An electrode resistant to anodic disintegration and made up of an alloy containing copper, silicon, iron,

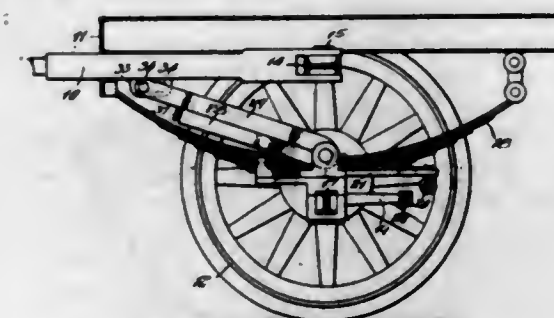
and lead of such a composition that the relationship between the copper, silicon and iron in the alloy may be expressed as a mixture of copper silicide (Cu_2Si) and iron silicide (FeSi) with or without free silicon.

1,510,542. VALVE-SPRING COMPRESSOR. WILLIAM C. BURROWS, Providence, R. I. Filed Sept. 4, 1923. Serial No. 660,822. 5 Claims. (Cl. 29-86.3.)



1. A valve spring compressor comprising a frame having a presser foot-plate at its lower end shaped to straddle the valve stem and engaging the spring to be compressed, an upper laterally extending arm on said frame having a bearing, a spindle slidable in said bearing adapted to engage the top of the valve, a yoke on said spindle, a lever operated reel in said yoke, and a flexible connector attached to said reel to lift the frame and said spindle as the reel is rotated.

1,510,543. TRAILER TRUCK. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, a Corporation of Wisconsin. Filed Feb. 28, 1920. Serial No. 361,932. Renewed Sept. 21, 1923. 5 Claims. (Cl. 280-33.55.)

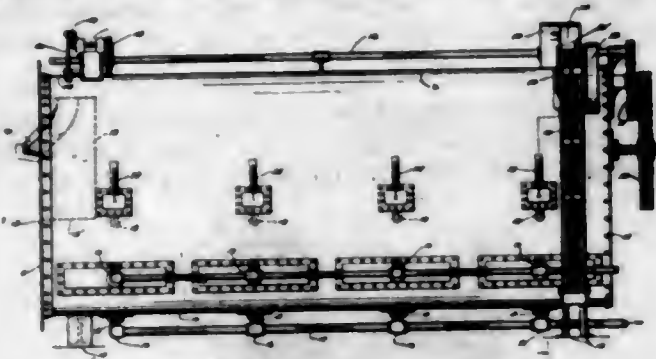


1. A trailer truck having, in combination, a body frame, an axle having swiveled carrying wheels thereon, springs supporting said frame from said axle, a draw bar pivotally mounted on said frame, a tie rod connecting said wheels to maintain them in parallelism, a steering lever pivoted on a vertical axis on said axle, an inclined lever independently pivoted on the same axis as said steering lever and having its upper end attached to said draw bar, and a manual lever at all times connected with said steering lever to swing the latter, said manual lever being arranged to be secured at will either to said inclined lever or to a part rigid with said main axle.

1,510,544. CONTINUOUS COOKER. FRANK D. CHAPMAN, Berlin, Wis. Filed Mar. 5, 1923. Serial No. 623,046. 20 Claims. (Cl. 126-272.)

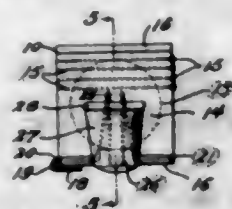
1. A continuous cooker, comprising a horizontally extending tank having inlet and outlet openings and zones of various degrees of heat, a single spirally trending

member extending through said heat zones, and a single rotary carrier extending through the spirally trending



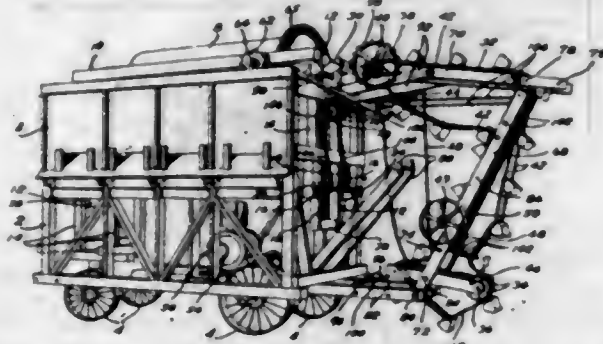
member and coating therewith for moving cans and having means forming part of and moving with the carrier for preserving the heat zones.

1,510,545. DRESSMAKER'S ACCESSORY. HELEN J. CORVIN, Philadelphia, Pa. Filed May 2, 1922. Serial No. 557,926. 1 Claim. (Cl. 223-60.)



A spool attachment of the class described including a plate having a threaded stem for detachably but firmly securing the device to said spool; and a pin cushion disposed upon said plate, said plate having its opposite edges turned onto said cushion for holding the same in position, and said cushion being of the same outline as the plate and having its side portions between said edges exposed for inserting pins in said cushion parallel to said plate, substantially as described.

1,510,546. APPARATUS FOR HANDLING GRAVEL. HARRY G. CORDIER, Frankfort, N. Y., assignor to Acme Road Machinery Company, Frankfort, N. Y., a Corporation of New York. Filed Jan. 8, 1923. Serial No. 611,302. 8 Claims. (Cl. 83-56.)



1. The combination with a screen bin, a screen arranged to discharge into the bin, a screen frame capable of being raised and lowered to move the screen into and out of operative position, respectively, of an elevator for conveying material to the screen when the screen is in operative position and constructed to permit its upper end to be raised and lowered into and out of operative position, respectively, and means for simultaneously raising the screen frame and said upper end of the elevator into operative position.

1,510,547. GRIDIRON. ALFREDO FERRARI, Spezia, Italy. Filed Nov. 19, 1919. Serial No. 339,155. 1 Claim. (Cl. 53-3.)

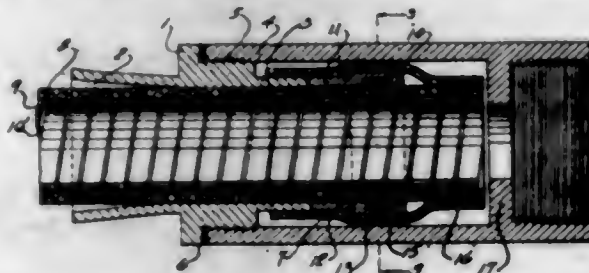
A gridiron comprising a pair of cross-bearers, spaced parallel bars supported at their ends on said cross-bearers and sloping towards one of the cross-bearers,

the upper parts of the bars being of angular form and the lower parts being of channel form and overlapped by the upper part so as to receive all the juices from



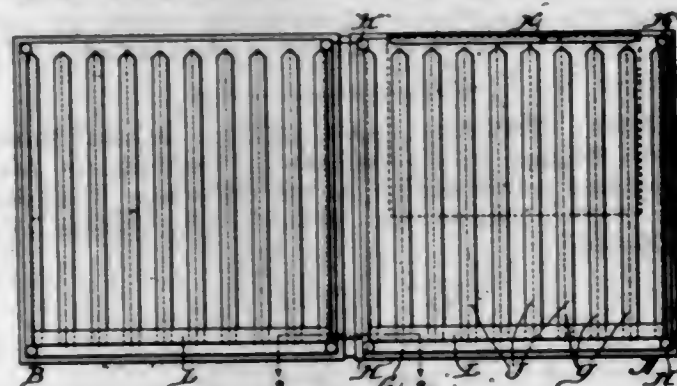
between the said upper parts and to convey such juices along their sloping surfaces, and a juice collecting trough formed in one of the cross-bearers for receiving the juice from the sloping channels.

1,510,548. PIPE COUPLING. WILLIAM H. FULTON, Irvington, N. J., assignor to Titeflex Metal Hose Corporation, a Corporation of New York. Filed Apr. 13, 1921. Serial No. 461,000. 6 Claims. (Cl. 285-87.)



1. The combination with a fitting, having a fluid passage, of a flexible tube extending therethrough, means clamped to said tube for preventing its withdrawal, an inner flexible metal tube reinforcing said tube against the pressure of said clamping means and a flexible sleeve surrounding said clamping means and engaging said tube and fitting and forced thereagainst by the fluid pressure of said passage.

1,510,549. HOLDER FOR POSTAGE STAMPS. EDWARD L. HARKINS, Shirley, Mass. Filed Apr. 19, 1922. Serial No. 555,559. 1 Claim. (Cl. 206-39.)

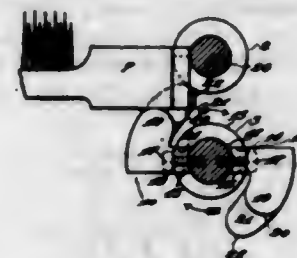


A holder of the character described comprising a body of sheet material; a plurality of parallel strips of sheet material disposed upon and against one side of said body and stitched to the latter so that the free side marginal portions of said strips constitute flaps providing channels between and under each pair thereof to receive a strip of stamps or the like, the flaps of each pair extending toward each other and being separated so as to overlap only the opposite side marginal portions of the strip of stamps or the like to hold the same in position against said body with provision or capacity for endwise movement of said strip, and a straight-edge strip of sheet material extending transversely across and seated directly upon the outer sides of the outlet end portions of all of said first mentioned flaps and secured to said end portions.

1,510,550. FALLER CAM FOR GILL-DRAWING FRAMES. WILLIE HOLDSWORTH, Providence, R. I. Filed Dec. 6, 1923. Serial No. 678,940. 6 Claims. (Cl. 19-120.)

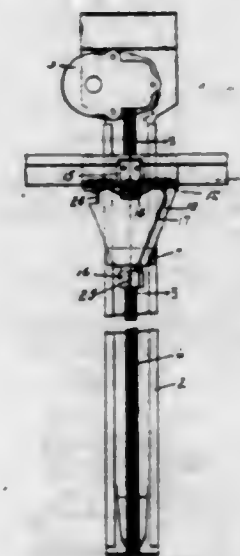
6. An improved faller-cam for gill-screws comprising a foot for attachment to the screw, and an arm ex-

tending from said foot and formed with a forwardly projecting cam-nose having a lateral guiding flange offset



from its side and projecting in advance of its working face to adapt it to abut the side of the faller-bar as the latter rides on the cam.

1,510,551. AUTOMOBILE WINDOW LIFTER. CHARLES W. HOLSTEIN and WILLIAM C. GROB, Toledo, Ohio, assignors to George B. Storer, Jr., Toledo, Ohio. Filed Apr. 14, 1923. Serial No. 631,976. 5 Claims. (Cl. 268-4.)



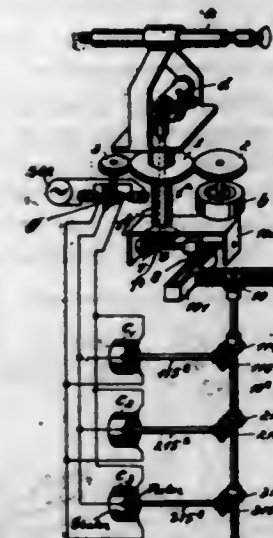
1. In a window lifting device, a window supporting member, a block, a screw extending through the member and the block, means for rotating the screw, an elastic means interconnecting the member and the block for rotating the block on the screw relative to the member to cause release when the screw is rotated to raise the window and frictional engagement when the screw is rotated to lower the window.

1,510,552. LABELING MACHINE. MILTON J. HUBBARD, Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd. Incorporated, Cedar Rapids, Iowa, a Corporation of Delaware. Filed Aug. 23, 1923. Serial No. 658,914. 25 Claims. (Cl. 216-58.)



1. In a machine for labeling cans having projections on their cylindrical surfaces, the combination of a runway, means for moving the cans along said runway, label applying means arranged to apply labels to the cans as the latter are moved along the runway, a cradle at the entrance of the runway to receive the cans successively provided with a stop adapted to be engaged by the projections on the cans, and means for rotating the cans in the cradle.

1,510,553. SYSTEM FOR CONTROLLING AT A DISTANCE GUNS OR OTHER APPARATUS. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Germany. Filed Jan. 27, 1921. Serial No. 440,550. 3 Claims. (Cl. 177-351.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. An electrical signalling system for the telecontrol of guns or the like having electric transmitters and receivers for coarse and fine adjustment according to the "follow the pointer" principle, each transmitter for fine adjustment having two elements, each responsive to a different value of adjustment, a governor-telescope located at the control station and trainable in any suitable manner, means for transmitting the movement value of the governor-telescope in the horizontal plane to said transmitter system for coarse adjustment, electrical means for transmitting the said movement of the said telescope to one of said elements of the transmitters for fine adjustment, mechanical means operable by the training of the telescope on the target correcting the concentration corresponding to the position of each individual gun, mechanical means for transmitting the value of the concentration correction to the other element of said transmitters for fine adjustment, receivers disposed on the guns to be controlled and connected with said transmitters, and means for training the gun according to the "follow the pointer" principle in accordance with the indications given by said receivers.

1,510,554. ELASTIC DOLL. JOHN J. LEE, Brooklyn, N. Y., assignor to Joseph R. Rothschild, Jerome B. Behrend, and Claude Collier, composing the Firm of Behrend & Rothschild, New York, N. Y. Filed July 30, 1923. Serial No. 654,591. 1 Claim. (Cl. 46-40.)



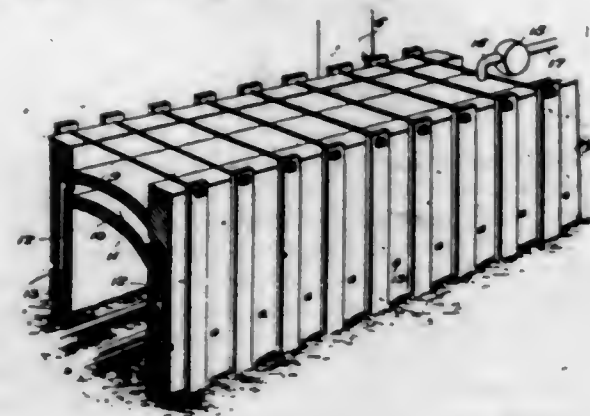
An inflatable toy comprising a head and a body portion, the body having inflatable arm and leg portions, the head being made of relatively thinner material whereby it will expand more rapidly than said arm and

leg portions, a check valve in the head portion, a block between said head and body portions having a peripheral groove and a passage-way therethrough, a vibratory element at each end of said passage-way whereby a sound will be emitted upon passage of air in either direction through said passage-way and a ring integrally formed on the upper edge of said body portion for holding the head portion and the body portion in air-tight relation in the groove in said block.

1,510,555. DETONATING OR DISRUPTIVE EXPLOSIVE. FREDRICH OLSEN, Dover, N. J. Filed Apr. 16, 1921. Serial No. 462,000. 4 Claims. (Cl. 52-18.)

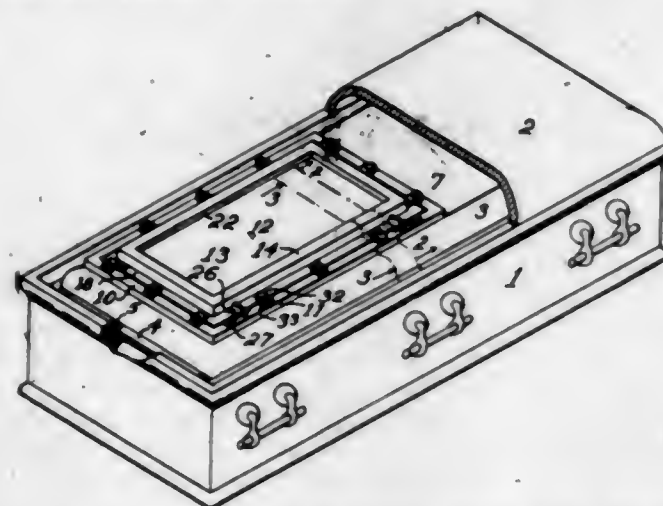
1. The herein described explosive, containing ammonium perchlorate, trinitrotoluene, a propellant powder and a combustible non-explosive material.

1,510,556. TUNNEL KILN. JOHN B. OWENS, Zanesville, Ohio. Filed Oct. 30, 1920. Serial No. 420,721. 6 Claims. (Cl. 25-142.)



1. A tunnel kiln provided with a heat collecting chamber extending lengthwise thereof for substantially the extent of the cooling and burning zones in position to receive heat radiating from that part of the tunnel comprehending the burning and cooling zones, means for admitting outer air into said chamber, and means for inducing draft in said chamber to thereby draw outer air thereinto and to cause the warm air therein to be delivered from said chamber for utilization.

1,510,557. CASKET. ROBERT F. PADEN, Glendale, Mo., assignor to St. Louis Coffin Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 30, 1923. Serial No. 628,807. 4 Claims. (Cl. 27-2.)



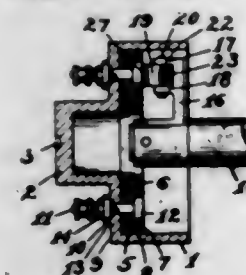
1. A casket of the hermetically sealed type including a hermetically sealed inner cover provided with an opening, a removable panel hingedly mounted on said inner cover for opening and closing the said opening, said panel including a glass plate and means for maintaining the cover, when closed, airtight with respect to the opening.

1,510,558. ELECTRIC CONDUCTOR. REINHOLD RUDENBERG, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a German Corporation. Original application filed May 11, 1917, Serial No. 168,030. Divided and this application filed Feb. 1, 1924. Serial No. 690,094. 6 Claims. (Cl. 171-206.)



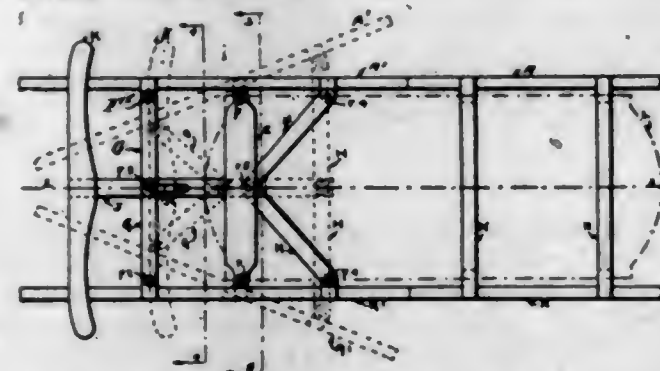
4. Conductor bar consisting of a flat metal tube having oblique indentures subdividing said tube into a plurality of spiral strips.

1,510,559. TIMER. ELMER SCHNEIDER and JOHN GORMAN, Cleveland, Ohio. Filed Jan. 6, 1923. Serial No. 611,027. 1 Claim. (Cl. 200-24.)



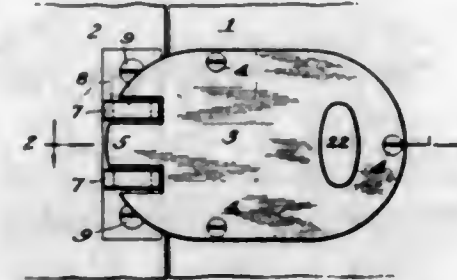
In a timer, the combination of a plurality of contacts arranged in a circle, a rotatable arm, a shoe, the shoe being provided with a recess having sides and an end bar, a pivot pin passing through said sides of the shoe and connecting the shoe to said arm, a coiled spring upon said pin within said recess and having free ends, and one of the ends of the spring engaging said end bar of the shoe and the other end thereof engaging said arm for holding said shoe in engagement with said contacts, substantially as described.

1,510,560. SLEIGH. OTTO SCHULTZ, Jr., Newburgh, N. Y. Filed May 2, 1921. Serial No. 466,122. 6 Claims. (Cl. 188-8.)



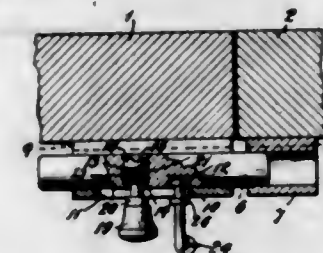
1. A sleigh having a member serving as a runner and mounted pivotally to swing into position to act as a brake.

1,510,561. LOCK. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 29, 1920. Serial No. 354,765. 5 Claims. (Cl. 70-74.)



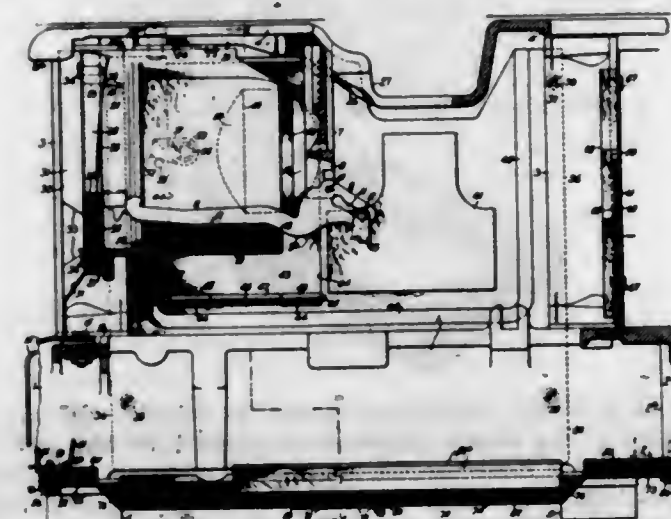
1. In a door lock, the combination with a keeper, of a casing having an arcuate end wall extending beyond the edge of the door and provided with horizontal slots therein adapted to receive said keeper and a plurality of locking bolts mounted in said casing and provided with segmental-shaped hooked ends adapted to move towards and away from each other within said end wall, to extend across the slots of the casing and to interlock with said keeper.

1,510,562. BOLT. SAMUEL SEGAL, New York, N. Y. Filed Mar. 29, 1921. Serial No. 456,761. 8 Claims. (Cl. 292-150.)



1. In a bolt, a barrel comprising a U-shaped piece having a slot and an opening therein, a bolt-bar adapted to slide sidewise within said barrel and provided with an opening extending through the body thereof, an operating knob for actuating said bolt-bar, a screw-threaded pin screw-threaded within said operating knob and slidably interfitting with the opening in the body of the bolt bar to move axially in said opening and adapted to slide within the slot of the barrel after the knob is pulled outwardly, said operating knob being provided with a shoulder adapted to span said slot and to be received by said opening in the barrel.

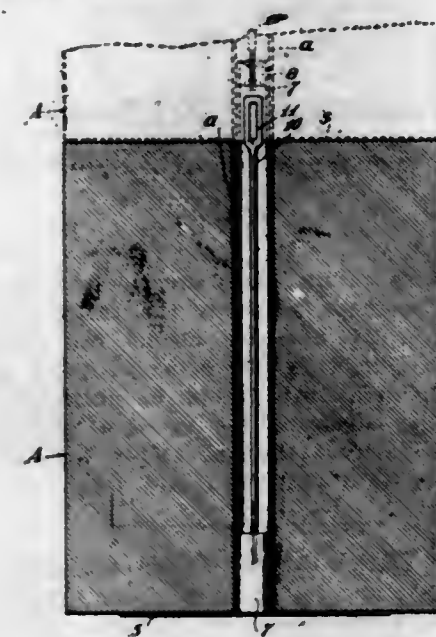
1,510,563. TYPEWRITING MACHINE. GEORGE A. SEIB, Illon, N. Y., assignor to Remington Typewriter Company, Illon, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 603,910. 39 Claims. (Cl. 197-186.)



1. In a typewriting machine, the combination of a set of type bars having their under rear edges lying

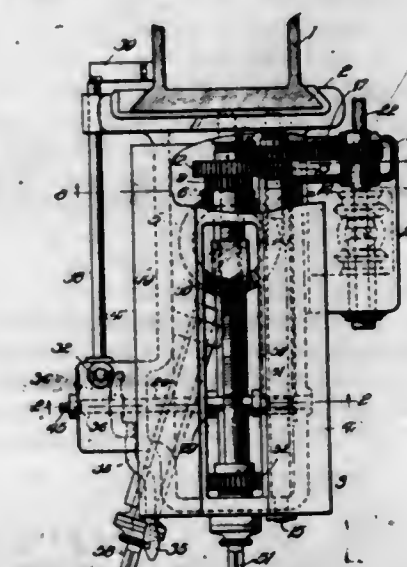
partly in a curve, and a type bar rest extended to support said bars along their under edges and curved at its rear in conformity with the curve of the type bars, said type rest comprising a wide metal support arcuate in shape and attached at its outer ends to the main frame of the machine and also a wide felt pad secured to the upper face of said metal support.

1,510,564. MEANS FOR HANDLING ROLLS OF PAPER. BERGER STOCKFLETH, Berrien Springs, and FREDERICK W. BURGER, Niles, Mich., assignors to Clark Tractor Company, Buchanan, Mich., a Corporation of Michigan. Filed Apr. 21, 1924. Serial No. 708,055. 9 Claims. (Cl. 294-1.)



1. Means for handling and lifting a roll of paper comprising in combination a member adapted to extend across and lie in contact with one end of the roll, a plug projecting centrally from one face of said member and adapted to project into the hollow central part of the roll, and suspending means connected at one end with said plug and adapted for attachment at its other end to a lifting device.

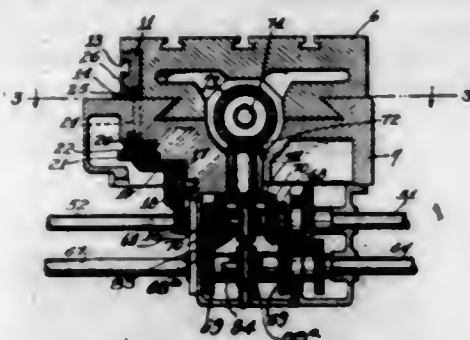
1,510,565. KNEE FOR MILLING MACHINES. GUSTAF DAVID SUNDBRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Jan. 10, 1919. Serial No. 270,510. 27 Claims. (Cl. 90-21.)



1. A milling machine having, in combination, a knee, a saddle on the knee, a power-element on the knee, knee-adjusting mechanism, saddle-feeding mechanism, a secondary clutch controlling the transmission of power to said mechanisms, a primary clutch controlling the transmission of power to said mechanisms.

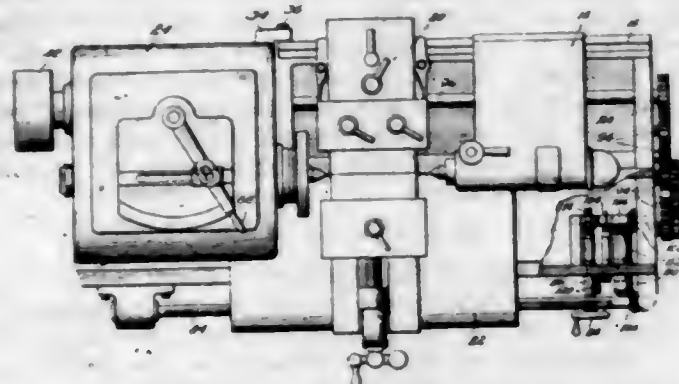
mission of power from the power-element to the secondary clutch, and separate manipulative devices for said clutches, said devices being mounted on the same side of the knee and close together.

1,510,566. **MILLING MACHINE.** GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Feb. 16, 1920. Serial No. 359,082. 15 Claims. (Cl. 90-21.)



1. In a device of the class described, a reciprocating table, a dog mounted adjacent the front edge of said table, automatically operable means for changing the speed of said table, said dog being adapted upon longitudinal motion with said table to actuate said automatic means for changing the speed of said table at a predetermined position thereof, and a lost motion connection between said table and said dog.

1,510,567. **LATHE.** GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor to Rockford Tool Company, Rockford, Ill., a Corporation of Illinois. Filed Feb. 2, 1921. Serial No. 441,760. 15 Claims. (Cl. 82-2.)

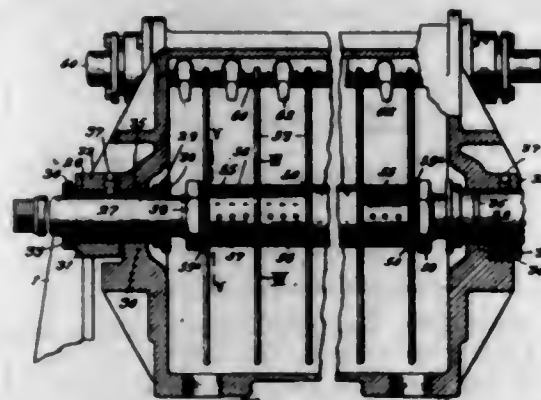


1. A lathe having, in combination, front ways and rear ways, said front ways extending throughout the length of the bed and said rear ways terminating short of the end of the bed at the head stock end, a head stock located beyond the end of said rear ways and directly and immovably attached to the bed, front and rear tool carriages mutually slidable past each other on said ways, one end of said front carriage being slidable on the front ways past the head stock, a tail stock on the rear ways offset to permit the front carriage to slide past it, a power transmission for feeding both carriages, said transmission extending first to the front carriage and past the same to the rear carriage, change speed mechanism housed in the head stock for driving the live spindle, and additional change speed mechanism also housed in the head stock for driving said power transmission.

1,510,568. **FILTER.** ERNEST J. SWEETLAND, Montclair, N. J., assignor to United Filters Corporation, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 2, 1917, Serial No. 146,056. Divided and this application filed Jan. 14, 1919. Serial No. 271,009. 12 Claims. (Cl. 210-182.)

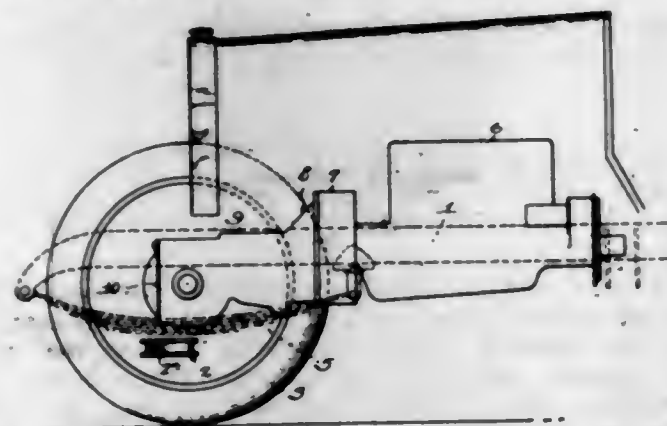
1. In a pressure filter, a closed casing, a rotatable drainage pipe mounted in said casing, a plurality of

separable filter leaves mounted on said pipe, spacing members located between the leaves and spaced from the pipe, and compressible means spaced from the pipe and adapted to form a fluid-tight joint between the leaves



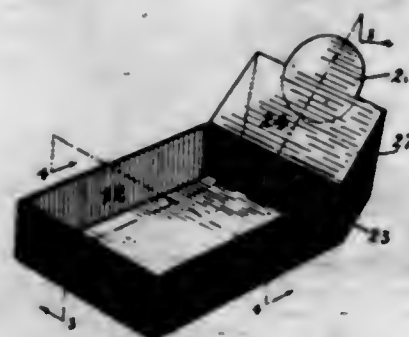
and the spacing members, the leaves and spacing members being slidable with reference to the pipe, and means for applying compression to an assembly of leaves, spacing members and compressible means, for locking them on the pipe.

1,510,569. **AUTOMOTIVE DRIVE MECHANISM.** OTTO E. SZEKELY, Moline, Ill. Filed Aug. 21, 1922. Serial No. 583,199. 7 Claims. (Cl. 130-43.)



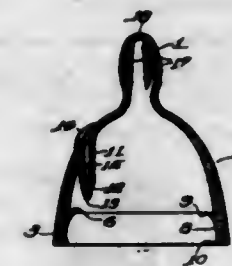
1. In an automotive drive mechanism, the combination of a motor, a transmission casing mounted forwardly of said motor, a fan and fan driving mechanism, a housing mounted upon said transmission casing and forming a unitary support for said fan driving mechanism, and means operatively connecting said fan driving mechanism with the motor.

1,510,570. **THREE-FACE SINGLE-BLANK-DISPLAY CONTAINER.** EDWARD VIEIRA, Brooklyn, N. Y., assignor to Robert Gair Company, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1922. Serial No. 599,062. 8 Claims. (Cl. 206-44.)



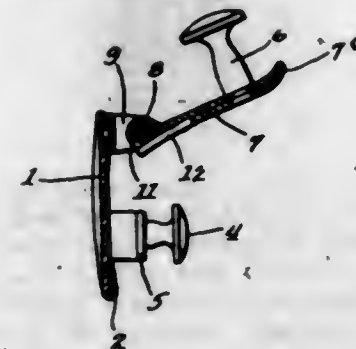
1. In a display container formed by folding, an inner receptacle; an outer receptacle connected to the inner receptacle for receiving the inner receptacle; a covering portion; and means for connecting the covering portion to the outer receptacle; the covering portion when extended providing a closing cover for the container, and when folded providing with said means a display panel and an easel back for the display panel.

1,510,571. **NURSING NIPPLE.** WALTER F. WARE, Hadonfield, N. J., assignor to The Walter F. Ware Company, a Corporation of New Jersey. Filed Nov. 2, 1923. Serial No. 672,237. 12 Claims. (Cl. 128-252.)



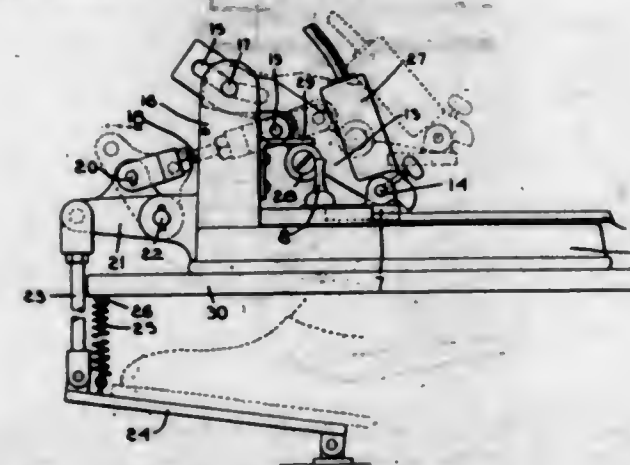
3. A nipple for nursing bottles comprising a nipple proper portion, a substantially hemispherical breast portion, and a relatively wide substantially flat band portion adapted to be stretched over and to clasp tightly around the neck or mouth of a bottle, the wall of said breast portion being of gradually increasing thickness as it approaches said band portion.

1,510,572. **COLLAR BUTTON.** CARTER WEAVER, Pittsburgh, Pa. Filed Nov. 5, 1921. Serial No. 513,066. 13 Claims. (Cl. 24-101.)



1. A collar button provided with a plurality of studs, two for receiving the ends of a shirt band, at least one of said studs extending toward the front, and a third forwardly extending stud for receiving collar ends, said two forwardly extending studs being of different lengths.

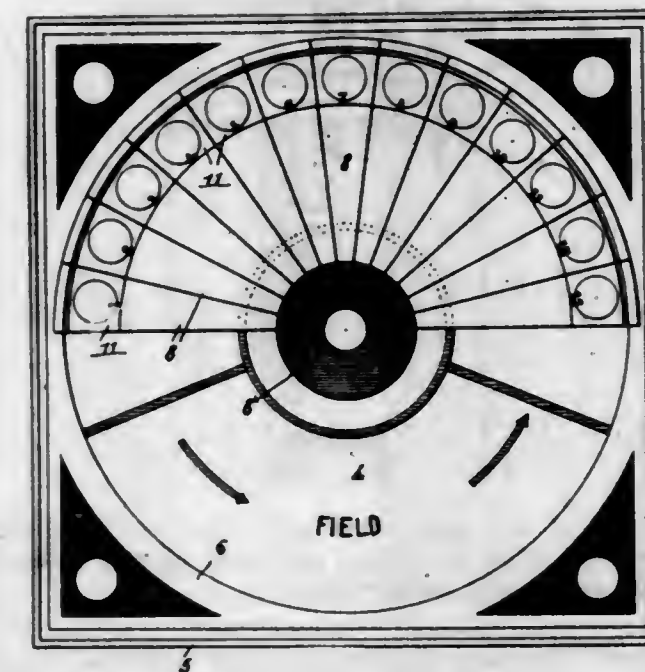
1,510,573. **INSOLE-TOE-LIP-MOLDING MACHINE.** LLOY E. WHEPLEY, Beverly, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a Corporation of Massachusetts. Filed Aug. 6, 1921. Serial No. 490,237. 6 Claims. (Cl. 12-17.)



1. In a machine of the class described, the combination with a stationarily-mounted mould member having a shape to fit the exterior face of the toe portion of an in-seam-receiving rib on an insole, of a second mould member shaped to fit the inside face of said rib, a swinging member to which said second mould member is pivotally connected, means to give the swinging member a swinging movement to cause the second mould member to move toward the

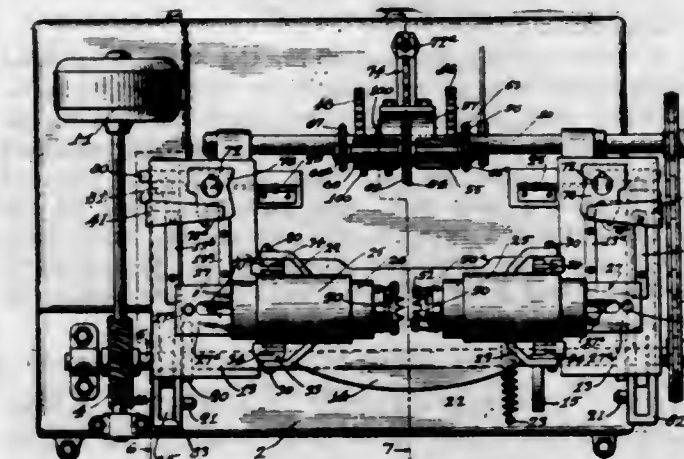
first in the general direction of the length of the sole being operated on, and means to heat said swinging member and thereby to heat the second mould member.

1,510,574. **GAME.** JAMES S. WAINKLE, Miami, Fla. Filed Apr. 30, 1923. Serial No. 635,681. 7 Claims. (Cl. 46-41.)



1. In a game, a field, a plurality of counters pivoted centrally upon said field and adapted to move successively from one side to the other thereof, and the said counters being numbered consecutively.

1,510,575. **MACHINE FOR DESHELLING NUTS.** LEON P. ANTHONY and RALPH W. REYNOLDS, Los Angeles, Calif. Filed June 7, 1923. Serial No. 644,031. 20 Claims. (Cl. 146-10.)

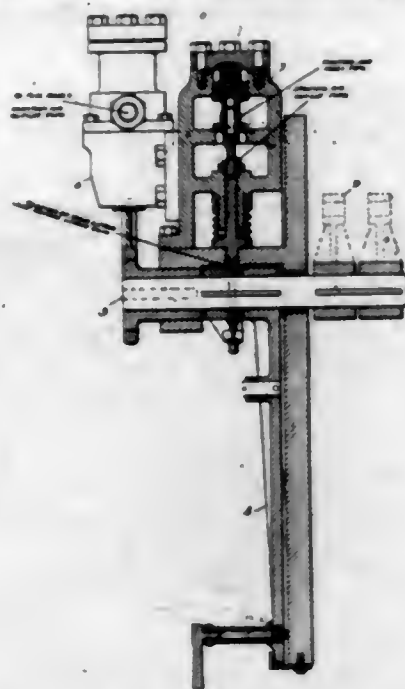


1. A machine for de-shelling nuts, comprising, in combination, shell severing means, and means for gripping and presenting a nut to the severing means and for rotating the nut while presented to the severing means, said gripping means being operative to pull apart the sections of the severed shell.

1,510,576. **FUEL-PUMP-CONTROL LEVER WITH CONNECTIONS.** AXEL AUGUST ASPLUND, Auburn, N. Y. Filed Feb. 17, 1920. Serial No. 359,416. 3 Claims. (Cl. 123-139.)

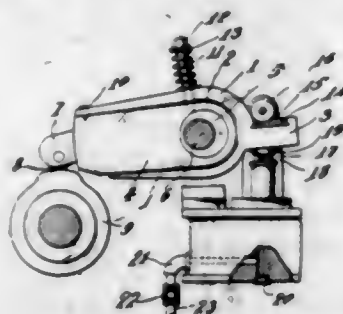
1. In an internal combustion engine, a bracket providing for a mount for a plurality of pairs of fuel pumps, means interconnecting the members of said pairs to cause the members of each pair to have their pistons reciprocate together, a table provided with brackets thereon carrying

pivots, rocker arms mounted on said pivots, one end of said arms mounted to said interconnecting means and the



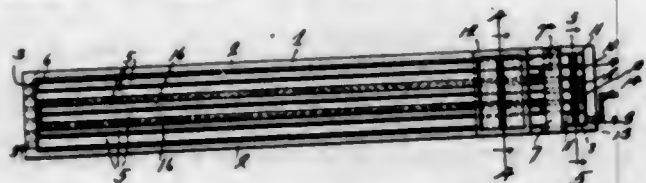
other end of said arms operable by the turning of said engine, said table slidable to vary said pivotal point in its position on said rocker arms.

1,510,577. DEVICE FOR OPERATING VALVES. AXEL AUGUST ASPLUND, Auburn, N. Y. Filed Sept. 28, 1921. Serial No. 503,812. 4 Claims. (Cl. 60-16.)



1. A valve opening mechanism for the relief of cylinder pressure comprising in combination a valve having a reciprocating stem, a guide mounted above the top of the valve stem and spaced therefrom, an eccentrically mounted cam lever for operating the valve stem having one end provided with a cam face, said cam faced end of the lever being located between the top of the valve stem and the guide so that the operation of the eccentric mounting of said lever will draw said cam face under the guide to depress the valve stem.

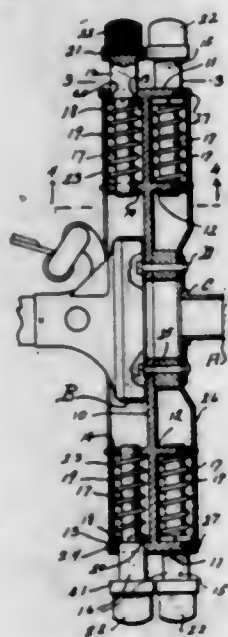
1,510,578. FRUIT-STEMMING MACHINE. DANIEL BAHR, Dunlap, Iowa. Filed Nov. 2, 1922. Serial No. 508,541. 1-Claim. (Cl. 146-55.)



A fruit stemming machine, said machine comprising a frame, a plurality of parallel inclined rollers rotatably mounted in bearings of the frame, gear connections between said rollers, alternate rollers being provided with external gear teeth, alternate rollers being provided with inset gear teeth having their outer ends registering with the periphery of the rollers and meshing with the external gear teeth of adjacent rollers, adjacent pairs of rollers rotating towards each other and downwardly, deflecting strips disposed above and between the axis of the

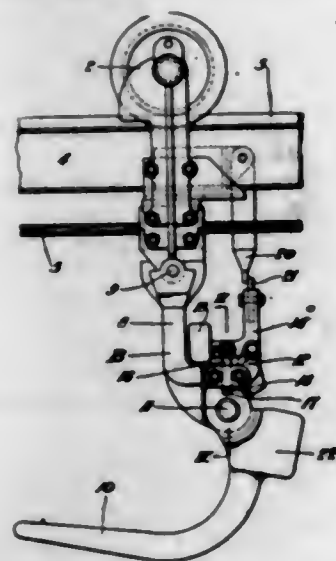
adjacent pairs of rollers and extending downwardly between the rollers forming means for deflecting fruit between the rollers which revolve towards each other and downwardly and means whereby one of said rollers may be rotated for imparting rotation to all of the rollers through the gear connections.

1,510,579. SPRING WHEEL. NELSON C. BLAKE, South Essex, Mass. Filed Sept. 26, 1923. Serial No. 664,932. 5 Claims. (Cl. 152-31.)



2. In a spring wheel, a disk formed for attachment to a hub structure and provided at its periphery with outwardly extending flanges and also formed with other flanges inwardly of the first named flanges, a plurality of plungers slidable through said flanges and carrying tread elements, springs encircling the plungers for urging the same outwardly, the springs being enclosed entirely between the flanges, and means preventing turning movement of the plungers.

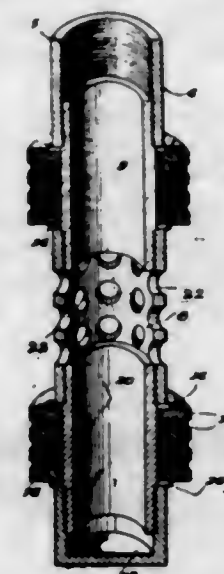
1,510,580. CONVEYER HOOK. GEORGE J. BAYEN, Duquesne, Pa. Filed Nov. 12, 1923. Serial No. 674,250. 3 Claims. (Cl. 214-59.)



1. The combination with track, a trolley adapted to travel on said track, of an article carrying hook secured to said trolley, said hook comprising a rigid shank portion, a body portion pivotally secured to said shank portion, a bell crank lever pivotally mounted on said shank portion, a pair of locking pins carried by one arm of said bell crank lever and adapted to engage suitable recesses in said body portion to lock said body portion in raised or carrying position, a trip member carried by said track at a predetermined point in the travel of said hook for automatically rocking said bell crank

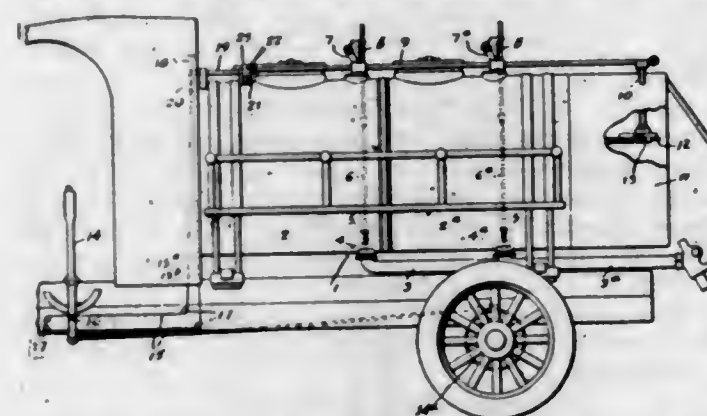
lever to withdraw said locking pins from said recesses, thereby releasing said body portion for downward movement to discharge the article carried thereon, an integral counterweight formed on said body portion adapted to automatically return said body portion to carrying position immediately after said article is discharged, and a counterweight on said bell crank lever for causing said locking pins to enter said recesses in said body portion, and thus lock said body portion in carrying position.

1,510,581. WASHING TOOL. ALEXANDER BOYNTON, San Antonio, Tex. Filed Mar. 23, 1923. Serial No. 627,195. 2 Claims. (Cl. 166-20.)



1. A inner and formation washing tool for wells comprising a tubular body inclusive of a perforated intermediate section and upper and lower tubular end sections threaded into the intermediate section, an impermeable closure cap threaded on the lower end section, an attaching nipple threaded on the upper end section, the ends of said intermediate section and the ends of said closure and said attaching nipple constituting pairs of spaced annular shoulders, and spaced packers confined between the shoulders of each pair and arranged on opposite sides of the perforations in said intermediate tubular section.

1,510,582. TANK-VEHICLE SAFETY MECHANISM. ARTHUR L. BETTS, Cincinnati, Ohio, assignor to Augustine Davis, Jr., Covington, Ky. Filed Sept. 20, 1923. Serial No. 663,786. 4 Claims. (Cl. 221-67.)

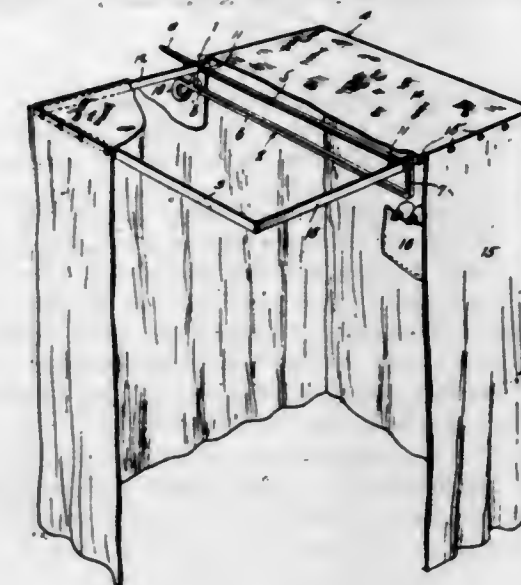


1. In a tank vehicle, the combination of brake mechanism for the vehicle, valve mechanism for the tank, and an interlock preventing release of the brake while the valve mechanism is in the open condition.

1,510,583. WARDROBE. EVA M. COOKE, Horatio, Ark., assignor of one-half to Cora M. Rogers, Dallas, Tex. Filed Dec. 10, 1923. Serial No. 679,716. 1 Claim. (Cl. 45-37.)

An article of the class described comprising two parallel spaced bars, end bars rigidly connecting said paral-

lel bars, one of the parallel bars having a longitudinal threaded extension at one end and the other a curved head to form an abutment, U-shaped wings having apertures in the free ends of the legs thereof which are mounted on one of said parallel bars, latter bar having



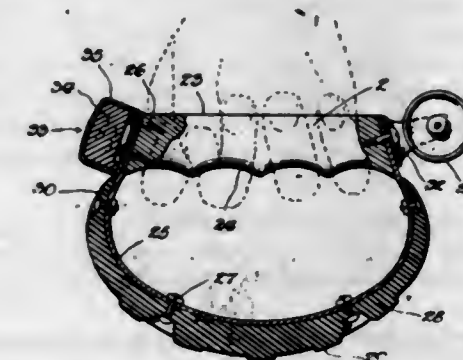
rounded portions near its ends for engagement by the ends of said wings to permit the wings to pivot freely upon said bar, the remainder of the bars being polygonal in cross section so that when the apertured ends of said wings are engaged therewith the wings will be held in adjusted position.

1,510,584. GOLF-CLUB STAFF. EDWIN H. COSBY, Derby Line, Vt. Filed Nov. 2, 1923. Serial No. 672,371. 3 Claims. (Cl. 46-55.)



3. A golf club staff comprising a metal core and a wooden enclosure for the core, the wooden enclosure being provided with longitudinal ribs, and a tubular grip extended about the ribs and cooperating with the ribs to form external ribs in the grip.

1,510,585. HAND PROPELLING MEANS FOR SCOOTERS. WILLIAM FERRIS CUSHING, Sr., and THOMAS AUSTIN BAILEY, Los Angeles, Calif. Filed Jan. 10, 1923. Serial No. 611,856. 5 Claims. (Cl. 208-38.)



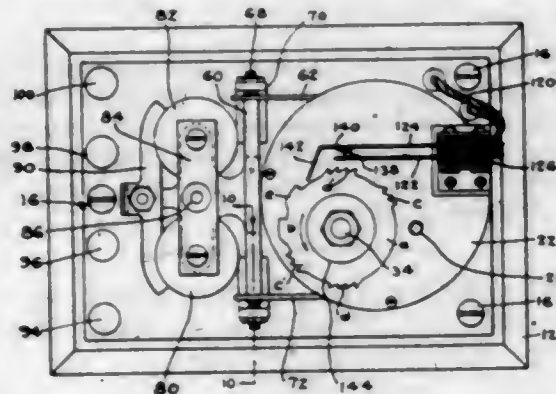
1. Hand propelling means for scooters comprising a handle, a flexible shoe on said handle, and a coasting wheel mounted at one end of the handle.

1,510,586. MACHINE FOR FORMING METAL TUBES. LEONARD D. DAVIS, Erie, Pa. Filed Mar. 22, 1921. Serial No. 454,369. 1 Claim. (Cl. 50-11.)



A machine for forming seamless tubes from pierced billets, comprising a mandrel to receive a pierced billet, means to cause longitudinal movement of the mandrel, and a succession of forming devices to act upon the billet and through which the billet is carried by the mandrel, certain of the intermediate forming devices having in each a supplemental groove to form on the billet a longitudinal bead and the last of the forming devices being substantially circular in form as to their working faces and having no supplemental groove, whereby clearance between the billet and the mandrel is effected as the billet leaves the machine.

1,510,587. ELECTRICAL CIRCUIT TRANSMITTER. JOHN M. DIEGEL, Minneapolis, Minn. Filed Dec. 6, 1920. Serial No. 428,690. 2 Claims. (Cl. 177-369.)

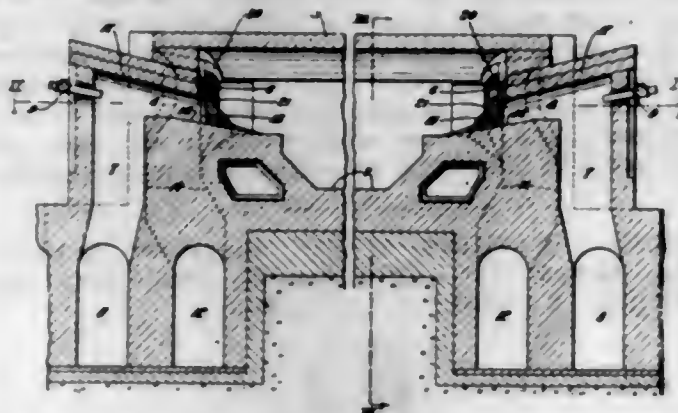


1. An electrical circuit transmitter comprising, an electromagnet, an armature for said electromagnet, a clockwork mechanism, a stop member secured to a shaft of said clock mechanism, a rockshaft to which said armature is secured, a stop member secured to one end of said rockshaft, two stop elements on the free end of said last-mentioned stop member, one of said elements being adapted to come into the path of rotation of said first-mentioned stop member when said armature is attracted by said electromagnet, and the other of said stop elements being adapted to come into the path of rotation of said first-mentioned stop member when said armature is unattracted, a disk secured to a shaft of said clock mechanism, said disk having a notch in each of its two faces, these notches being located at diametrically-opposite points, an arm secured to the other end of said rockshaft, two spaced members carried by the free end of said arm, said spaced members being adapted to ride upon the two surfaces respectively of said disk and to enter said notches, an interrupter wheel secured to a shaft of said clock mechanism, similar interrupter means on the two halves of said wheel, additional interrupter means on one of said halves, and two contact-carrying members insulated from each other and normally having their contacts engaging each other, one of said members being adapted for engagement by said interrupter wheel to separate said contacts.

1,510,588. REGENERATIVE FURNACE. AMBROSE N. DIEHL and SAMUEL G. WORTON, Duquesne, Pa. Filed May 18, 1922. Serial No. 561,839. 3 Claims. (Cl. 263-15.)

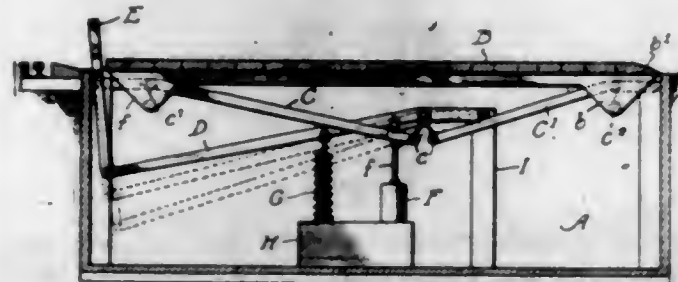
1. A regenerative furnace having a fuel port and two independent air ports at each end thereof, one of said independent air ports being on each side of each of said fuel ports, said air ports having the forward or hearth edges of their bottom walls on the same plane as the forward or hearth edges of the bottom walls of

said gas ports, said air ports extending upwardly to a point materially above said gas ports at their inner



ends, and means for directing the air from said air ports inwardly across the fuel stream from said fuel ports.

1,510,589. SAFETY APPLIANCE FOR RAILWAY CROSSINGS. GARDNER THOS. ELLIOTT, Onancock, Va. Filed Nov. 30, 1923. Serial No. 677,711. 8 Claims. (Cl. 39-6.)



1. A safety device for railway crossings comprising a substantially horizontal platform, means for yieldingly supporting the platform in the roadway near the track so that it may be depressed by the weight of a vehicle thereon, a gate at one end of the platform, means whereby the gate will be caused to descend and disappear when the platform is depressed, and means for automatically raising the platform and simultaneously raising the gate when the weight on the platform is removed.

1,510,590. SHELL OR CARTRIDGE CASE. FRANK A. FAHRENWALD, Cleveland Heights, Ohio. Filed Feb. 26, 1920. Serial No. 361,394. 1 Claim. (Cl. 102-16.)
A cartridge case made from an alloy containing approximately, 95.5% aluminum, 1.5% copper, 2.0% magnesium, 1.0% a metal adjacent to iron in the periodic table.

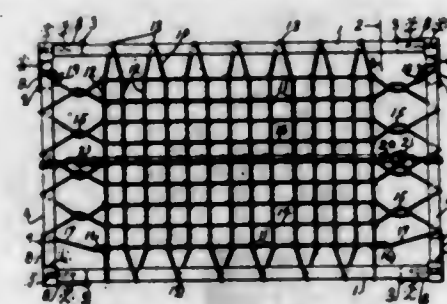
1,510,591. ADHESIVE. FREDERICK W. FARRELL, Brookfield, Mass., assignor, by mesne assignments, to McLaurin-Jones Co., Brookfield, Mass., a Corporation of Massachusetts. Filed June 17, 1918. Serial No. 240,449. Renewed Mar. 28, 1922. Serial No. 547,544. 5 Claims. (Cl. 87-17.)

1. An adhesive of the nature described comprising refined asphalt, oxidized mineral oil and a suitable rubbery material.

1,510,592. CAMP BED. HOWARD W. FLEMING, CHARLES A. RISSEN, and ORAIS K. WEBB, San Jose, Calif. Filed Feb. 10, 1923. Serial No. 618,357. 1 Claim. (Cl. 5-190.)

In combination, a frame having separable side and end members, a fabric composed of a plurality of flexible elements arranged in spaced parallel relation to each other and provided with terminal loops, flexible elements attached at one end only to opposite ends of said fabric and adapted to alternately engage the adjacent end members of said frame and one of said loops and then secured to said end member, a second series of spaced

parallel flexible elements arranged transversely of said first elements and forming terminal loops slidably en-



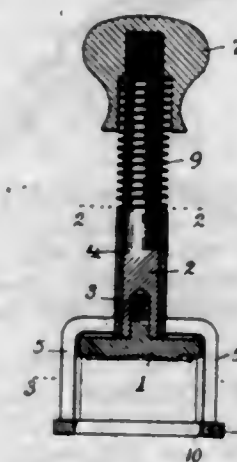
gaging the side members of said frame, and means for securing the two sets of elements together at their intersections.

1,510,593. SCREW DRIVER. HARVEY J. HARROLD, Columbiana, Ohio. Filed Aug. 4, 1923. Serial No. 655,619. 1 Claim. (Cl. 145-61.)



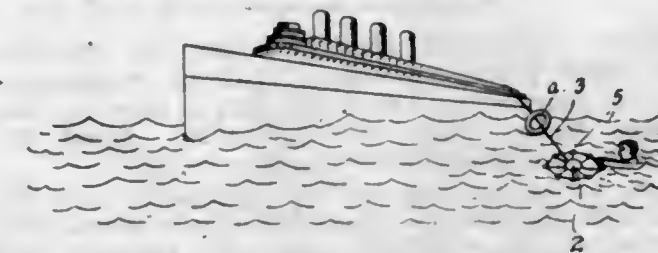
A screw driver or like tool in which a shank and handle are combined to transmit either an end thrust or a rotary motion comprising a tool shank having a flat sinuous extension and a handle of stiff resilient and insulating material moulded upon the said sinuous portion of the shank.

1,510,594. WAX SEAL PRESS. HAROLD HELLEBERG, Somerville, Mass. Filed Sept. 4, 1923. Serial No. 660,815. 3 Claims. (Cl. 101-28.)



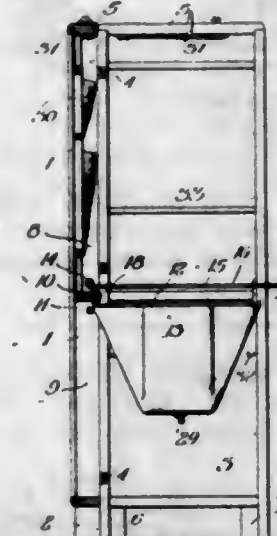
1. A wax seal press comprising a seal, and a base yieldingly supporting the seal, the base being open to permit the passage of the seal and the outer periphery of the seal closely fitting the inner periphery of the base.

1,510,595. LIFE-SAVING DEVICE. HARRIETTE E. HODGSON, New York, N. Y. Filed May 9, 1923. Serial No. 637,633. 2 Claims. (Cl. 9-8.)



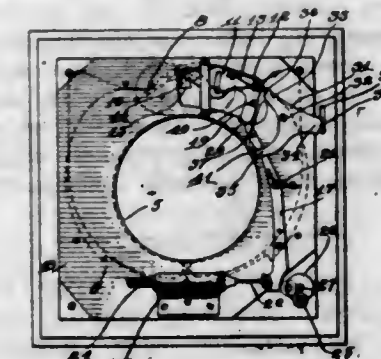
1. A life-saving apparatus of the character described comprising a hand throwing member of low buoyancy, adapted for throwing to a distance, a rescue line connected therewith, and cords connected to spread from said member and bearing floats, substantially as described.

1,510,596. BATH CABINET. DEWEY M. KENNEDY, Rochester, N. Y., assignor, by mesne assignments, to himself and Benjamin H. Kennedy, Rochester, N. Y. Filed Mar. 6, 1920. Serial No. 363,810. 12 Claims. (Cl. 45-38.)



1. In a bath cabinet, the combination with a vertically disposed body portion, of a collapsible tub having its horizontal rear edge hinged to said body portion at an intermediate point and adapted to fold downwardly against the same when collapsed, and doors at the front of said body portion adapted to be extended to support the latter when the tub is in operative position and to be closed to cover the tub when the same is collapsed.

1,510,597. PHOTOGRAPHIC SHUTTER. RUDOLPH KLEIN, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 4, 1922. Serial No. 579,620. 2 Claims. (Cl. 95-62.)



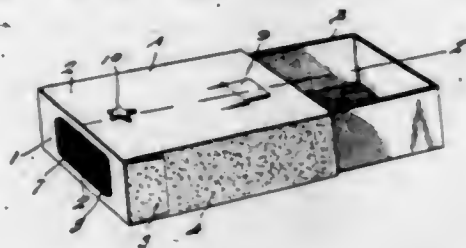
1. A photographic shutter comprising exposure blades, an exposure member connected with the blades, a detent having a portion arranged to cooperate with the exposure member to open the blades, a portion cooperating with the exposure member to hold the blades open, and a portion through which the exposure member may be

manually actuated, and a master member for cooperating with said detent to effect the release of said exposure member.

1,510,598. CATALYST AND PROCESS OF PRODUCING THE SAME. ALFRED T. LARSON, Washington, D. C., assignor to Arthur B. Lamb, trustee, Cambridge, Mass. Filed Nov. 10, 1923. Serial No. 673,979. 7 Claims. (Cl. 73-28.)

1. An active catalyst for the manufacture of ammonia from its elements, consisting of a substance having catalytic properties and a composite promoter, said composite promoter being free from catalyst poisons and comprising an oxide of cesium and an oxide of an element acidic or electro-negative with respect thereto.

1,510,599. MATCH BOX. GABRIEL MARTINEZ, Granada, Nicaragua. Filed Feb. 19, 1924. Serial No. 693,877. 2 Claims. (Cl. 206-31.)



1. A box of the class described comprising a cover part and a drawer part, one end of the cover part being closed and a strip of flexible material forming part of the closing means.

1,510,600. CAR-OPERATED MINE DOOR. JOHN H. MILLER, Pineville, Ky. Filed Jan. 19, 1924. Serial No. 687,292. 2 Claims. (Cl. 246-304.)

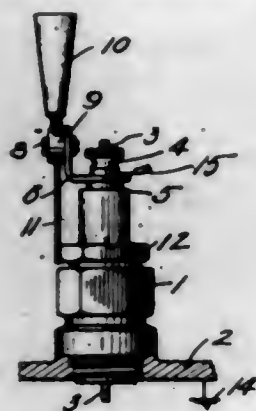


1. Means for operating hinged mounted mine-doors along a track way, comprising rock shafts journaled across the track way at opposite sides of the door opening and carrying arms, sectional hinged connected ramps extending along the track way and connected with said arms, said ramps being positioned for engagement by the wheels of a car passing along the track, brackets on the hinged edges of the doors, means connecting the doors for effecting simultaneous operation, reach rods connected with said brackets, and other arms on the rock shafts connected with the reach rods, said last named connection consisting of yokes carried by the last named arms and through which the reach rods are slidable, and yieldable tension means within the yokes.

1,510,601. TELLTALE ATTACHMENT FOR EXPLOSION ENGINES. JOHN H. MOUNT, Atlantic Highlands, N. J. Filed Mar. 22, 1921. Serial No. 434,548. 2 Claims. (Cl. 175-183.)

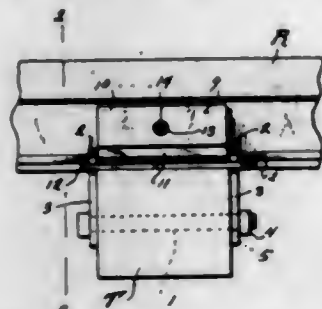
1. A device of the kind described, comprising an angular bracket, one arm formed to engage the outwardly projecting part of a spark plug electrode and a detector finger pivotally mounted on the other arm of the bracket and movable into and out of contact with an exterior metal part of the plug, said bracket formed

at the angled portion thereof with a concaved surface for engagement with the detector finger beyond the member.



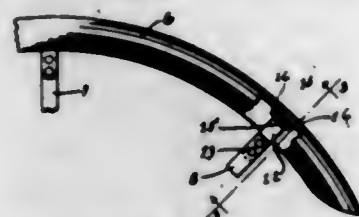
latter's point of support to maintain said finger in one of a plurality of positions to which it may be moved.

1,510,602. RAILROAD FASTENER. ALEXANDER McDICKEN, Royalton, Ill., assignor of one-third to Alexander McKenzie, Royalton, Ill. Filed Mar. 11, 1924. Serial No. 698,443. 6 Claims. (Cl. 238-242.)



1. The combination with a tie and a rail resting upon the tie, of plates secured to opposite side faces of the tie and having hook forming extensions extending upwardly upon opposite sides of the base of the rail and projecting transversely from the base of the rail, plates upon opposite sides of the rail each having an upstanding portion engaging the web of the rail and a base portion resting upon the base of the rail, the base forming portion having extensions at its ends fitting beneath the hooks of the plates secured to the tie, and fastener means passing through the upstanding portions of the rail engaging plates and through the web of the rail.

1,510,603. MUDGUARD BRACKET. EWALD F. PAWSAT, Sheboygan, Wis. Filed Dec. 12, 1921. Serial No. 521,900. 3 Claims. (Cl. 208-141.)

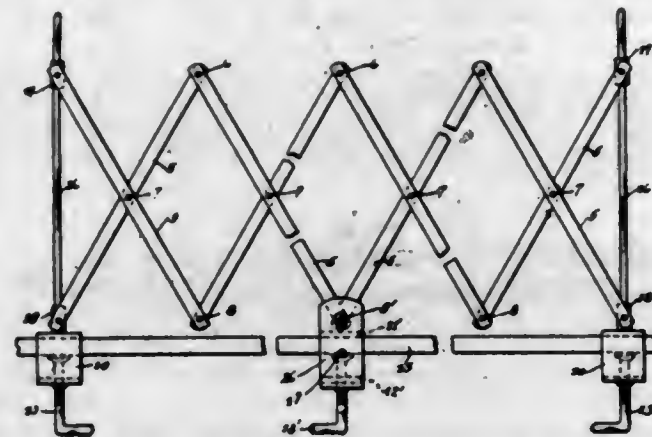


1. A mud guard bracket provided with a bolt hole intermediate of its ends, and a pair of flanges integral with the intermediate portion of said bracket and extending downwardly, whereby said bracket is of channelled cross section adjacent said bolt hole.

1,510,604. LUGGAGE CARRIER. EWALD F. PAWSAT, Sheboygan, Wis., assignor to Wald Manufacturing Co., Sheboygan, Wis., a Corporation of Wisconsin. Filed June 9, 1922. Serial No. 566,982. 7 Claims. (Cl. 224-29.)

1. A luggage carrier including a lazy-tongs body of pivotally connected bars, a U-shaped bearing clip provided with registering openings in each of its arms and

pivotally connected to one of said bars, a clamping device adapted to be engaged upon a vehicle running



board and a rod rigidly supported therefrom and threaded through the registering openings in the arms of said clip for a sliding bearing therein.

1,510,605. SHOE-LACE TIP. HENRY G. PETERSEN, Milwaukee, Wis. Filed May 17, 1923. Serial No. 639,668. 6 Claims. (Cl. 24-143.)



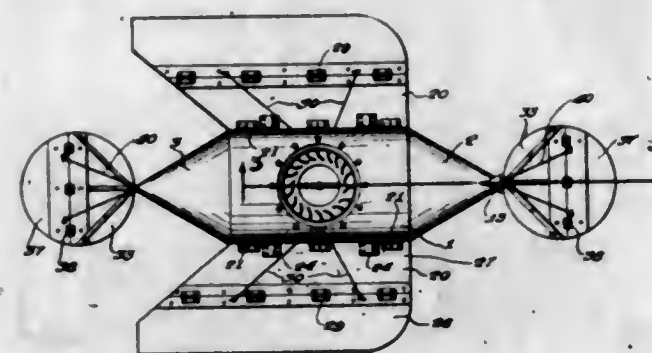
5. A shoe lace tip comprising a rolled metal tubular body portion having radially extending internal teeth, said teeth having a gradually tapering rear edge and a folded front edge extending transversely of the axis of said tip, and a reinforcing rib projecting radially inwardly of said tip, said reinforcing rib being of lesser width than said teeth.

1,510,606. FOOD PRODUCT. CECIL OCTAVIOUS PHILLIPS, New York, N. Y., assignor to The American Cotton Oil Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 22, 1921. Serial No. 517,082. 6 Claims. (Cl. 99-11.)

2. A food product comprising soya bean meal intimately combined with a solution of calcium chloride containing about 1% of calcium chloride based on the total weight of the meal.

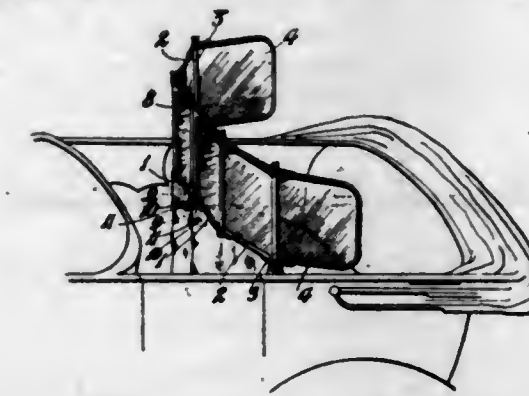
6. The method of producing a food product which comprises adding a solution of calcium chloride to heated soya beans and subsequently expressing the oil from the beans.

1,510,607. AIRSHIP AND GLIDER. THOMAS J. POLK, Chicago, Ill. Filed July 28, 1923. Serial No. 654,419. 8 Claims. (Cl. 244-18.)



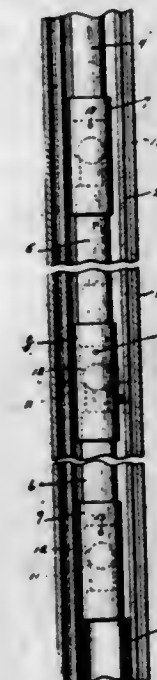
1. An airship comprising a body having a substantially centrally disposed transversely extending well therein, a substantially frusto conical shell rotatable in said well, and a plurality of fan blades carried by and extending inwardly into said shell.

1,510,608. WINDSCREEN FOR ROAD VEHICLES. GEORGE HARDIMAN RANSOM, Birmingham, England. Filed Feb. 7, 1922. Serial No. 534,729. 2 Claims. (Cl. 296-85.)



1. A wind screen for the rear seats of motor vehicles comprising vertical pivots attached to the sides of the vehicle, side screens mounted to swing about said pivots, panels also mounted to swing about said pivots independently of the side screens, said panels when in use being adapted to meet at the centre of the vehicle and extend right across the same, interengaging means on the meeting edges of the panels and a fastening device associated with both panels near their meeting edges said fastening device serving to pull the two meeting edges of the panels tightly into engagement with each other and to secure them in such engaged position so that the screen forms a rigid strut across the vehicle.

1,510,609. GAS-WELL VALVE STRUCTURE. HENRY RUSH, Sedan, Kans. Filed Feb. 7, 1924. Serial No. 691,281. 2 Claims. (Cl. 166-3.)

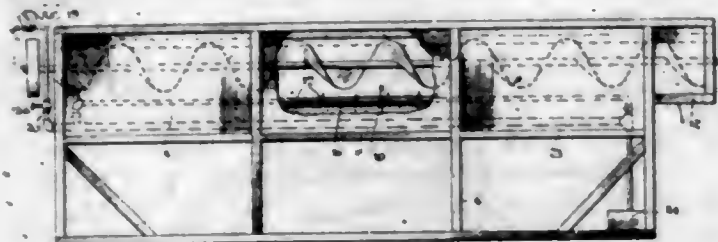


1. In a gas well, a casing, a tubing therein spaced from the walls thereof, a tubular packer fitting snugly within the tubing, an outlet pipe including a plurality of sections, valve casings connecting the successive sections, the valve casings and outlet pipe sections being spaced from the wall of the tubing, and the lowermost valve casing seating upon said packer, each valve casing being formed internally with a shoulder defining a valve seat, and an upwardly opening valve upon each seat.

1,510,610. STERILIZER. PARRISH HENDRICKS RYLANDER, Austin, Tex., assignor to The Rylander Company, a Partnership composed of W. P. Rylander, J. B. Rylander, and P. H. Rylander, all of Travis County, Tex. Filed Mar. 11, 1922. Serial No. 542,990. 8 Claims. (Cl. 43-124.)

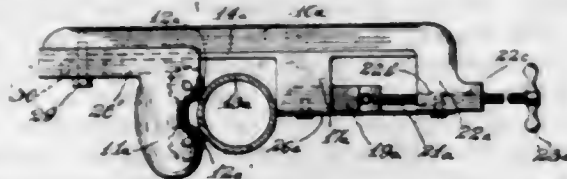
1. The herein described method of destroying the pink boll worm which consists in forcibly and uninterruptedly

directing live steam in jet formation into a mass of cotton seeds passing in immediate contact with the source of



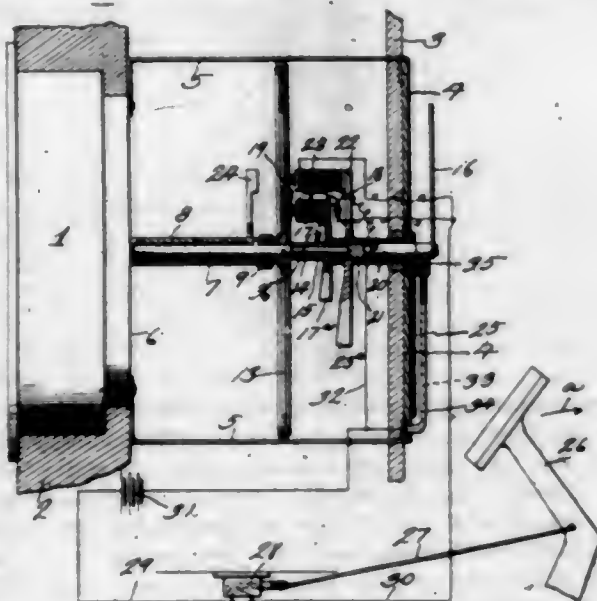
steam supply for the purpose of destroying the pink boll worms hibernating in the seeds.

1,510,611. PIPE CUTTER. MICHAEL SCHANG, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 519,845. 4 Claims. (Cl. 81-192.)



1. In a pipe cutter, the combination of a frame having a substantially straight body portion and end arms projecting in the same direction, guide rollers carried by the inner portion of one of said arms for engaging a pipe to be cut; the other of said arms having a hole therethrough for receiving an operating rod, opposite flanges projecting from said body portions, a slide having hook shaped guide ways engaging said flanges, a cutter bar carried by said slide and movable towards and away from said rollers, a threaded operating rod engaging said cutter bar to feed the latter, said cutter bar being of rectangular cross section and contained in a slot of similar cross section in said slide, and a cover plate for holding said cutter bar in said slot, said rod being in threaded engagement with said slide.

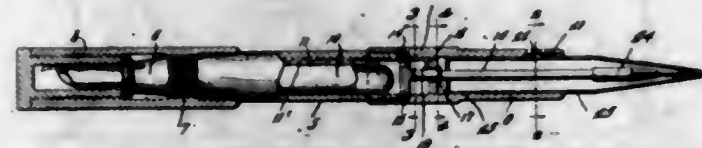
1,510,612. AUTOMATIC PARKING INDICATOR. EDWARD J. SKAER, Liberal, Kans. Filed June 12, 1923. Serial No. 644,891. 3 Claims. (Cl. 161-15.)



1. The combination with an automobile, a clock carried by said automobile, an indicator dial carried by the automobile, of hour and minute hands adjacent the face of the indicator dial, said hour and minute hands being mounted on shafts, said shafts being provided with magnets, and magnetic elements carried by the rear ends of the hour and minute shafts of the clock, means for energizing said magnets upon the stopping of the automobile, said magnets forming means whereby in combination with the magnetic elements of the clock hour and minute hand

shafts, the indicator hands will be moved to position registering with the positions of the clock hands, and means whereby the magnets will be deenergized during the stopping operation of the automobile.

1,510,613. COMBINED PENCIL AND FOUNTAIN-PEN CONSTRUCTION. EDWARD MONROE SLACK, Pecos, Tex. Filed May 12, 1923. Serial No. 638,573. 2 Claims. (Cl. 120-42.)



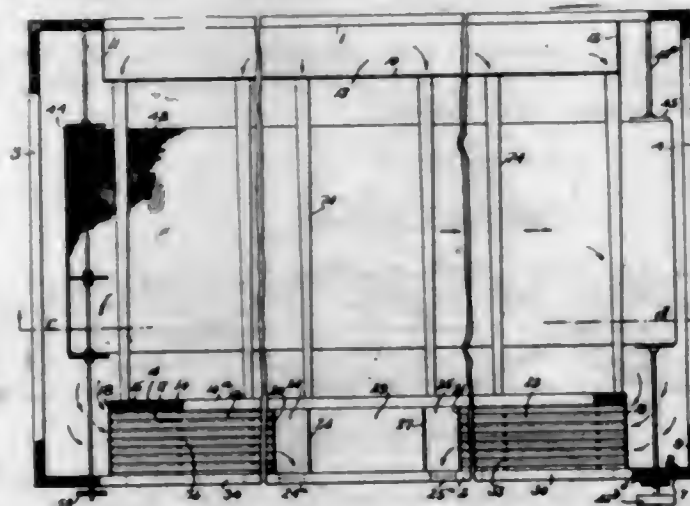
1. In a device of the character described, a barrel, a pen supported at one end of the barrel, an ink sack positioned within the barrel and adapted to supply ink to the pen, a presser bar resting on the sack, a compressing arm adapted to engage the presser bar, said compressing arm having a right angled extremity, a pencil barrel at one end of the first mentioned barrel, and movable means within the pencil barrel and cooperating with the right angled end of the compressing arm for bending the compressing arm to compress the ink sack.

1,510,614. METAL SHINGLE. PLEASANT S. TORRENCE, Salisbury, N. C. Filed Mar. 12, 1923. Serial No. 624,633. 3 Claims. (Cl. 108-17.)



1. The combination of two adjacent shingles one having a nailing flange and a plurality of longitudinally extending troughs with a water break between them and one at the outer edge of the outer trough, the outer break being higher than the inner, the other shingle closely contacting with the nailing flange and the outer water break of the first mentioned shingle and having a flange to enter one of said troughs and interlockingly engage the outer wall thereof, said wall having a bulge near its outer edge to engage said flange and form a tight joint between them, the edge of said flange terminating short of the bottom of the trough.

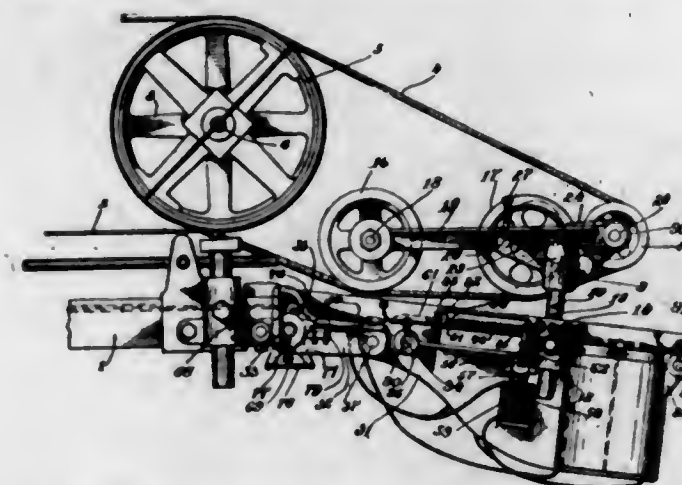
1,510,615. PROCESS OF AND APPARATUS FOR DRYING COMMUNUTED OR SHEET MATERIAL. JOSEPH H. WALSH, Boston, Mass., assignor to Johns-Manville, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 14, 1922. Serial No. 552,724. 17 Claims. (Cl. 34-12.)



15. A drying apparatus comprising a heat insulated housing having a longitudinally extending plenum chamber at one side thereof, a pair of longitudinally extending and spaced economizer devices at the opposite side of said housing, means within said housing for moving material

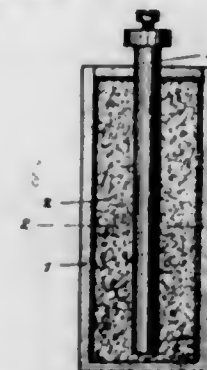
to be dried longitudinally thereof, nozzles communicating with said plenum chamber and disposed upon opposite sides of said material moving means, and a fan disposed substantially centrally of said housing and constructed and arranged to induce a flow of fresh air inwardly through said economizers and into the plenum chamber thereby forcing the warm and moist air from the opposite ends of the housing outwardly and through the respective economizers, such air passing in directions opposite to that of the incoming air.

1,510,616. CAN-SORTING MACHINE. CHARLES H. WILD, Baltimore, Md., assignor to Burt Machine Company, Incorporated, a Corporation of Maryland. Filed Dec. 10, 1923. Serial No. 679,660. 21 Claims. (Cl. 83-22.)



1. In a sorting apparatus for detecting and discarding unwrapped or unlabelled cans, ways along which the cans may be passed, said ways being discontinued at an intermediate point for a space exceeding the diameter of the cans being handled, movable means for bridging said space, means for supporting said bridging means in position to span the opening in the ways, and carry the cans across said opening, and means actuated by the passage of an unwrapped or unlabelled can for removing the support for said bridging means, releasing the same and dropping the can from the ways through said opening.

1,510,617. ACCUMULATOR ELECTRODE. EMILE VARE, Brussels, Belgium. Filed Feb. 17, 1922. Serial No. 537,275. 5 Claims. (Cl. 204-29.)

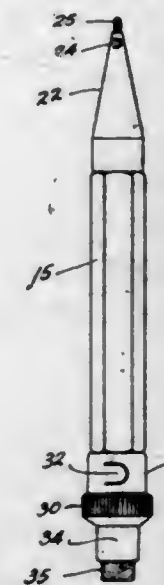


1. An accumulator electrode, comprising a hollow, porous cell; active material therein; and flexible means disposed in the cell to provide spaces therewithin to be filled by said material during its expansion; said means being fixed by the pressure imposed thereagainst by such expansion and automatically resuming normal form when said pressure is relieved.

1,510,618. PENCIL. RAYMOND T. BELL, Chicago, Ill., assignor, by mesne assignments, to The Wahl Company, a Corporation of Illinois. Filed Apr. 4, 1921. Serial No. 458,445. Renewed July 19, 1924. 3 Claims. (Cl. 120-18.)

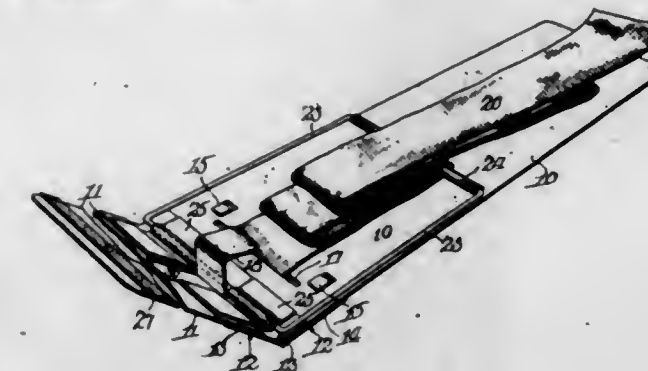
1. A pencil embodying a sheath, a groove extending lengthwise of the sheath and communicating with the

bore of the sheath, said groove being considerably smaller than the said bore, a tip connected with the sheath, a plunger movable in the said bore, a lateral projection carried by the plunger, extending into and movable in the groove for maintaining the plunger against turning, a screw element threaded into the end of the plunger for longitudinally moving the plunger,



a cap rotatable upon the other end of the sheath, and to which cap the said screw element is secured for rotation, a shoulder on the end of the sheath, and a spring tongue formed from a portion of said cap entirely within the confines of the edges of the cap and extending in a direction transverse to the axis of the cap and cooperating with the shoulder for rotatably and yieldingly holding the cap in position and for free removal.

1,510,619. SAMPLE HOLDER. FRANCIS A. BRAXTON, Chicago, Ill. Filed May 31, 1923. Serial No. 642,460. 3 Claims. (Cl. 206-50.)

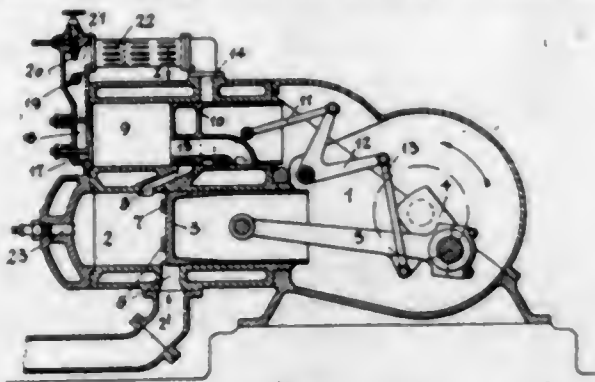


1. In a sample holder of the character described, the combination of a pair of substantially flat cover members hinged together at corresponding end portions thereof so as to fold one upon the other and forming a container for a strip-like sample, said container having a clip thereon adjacent to the hinge adapted to limit the movement of said container into a bolt of goods and to hold the container upon the board upon which the goods are wound, said container having an opening adjacent to the hinged end portion thereof through which such sample may be drawn, and a cross-member normally between the cover members partially around which the sample may be folded.

1,510,620. INTERNAL-COMBUSTION ENGINE. PAUL HENTSCHE, New York, N. Y. Refiling of abandoned application Serial No. 458,434; filed Apr. 4, 1921. This application filed Mar. 13, 1924. Serial No. 699,065. 8 Claims. (Cl. 123-70.)

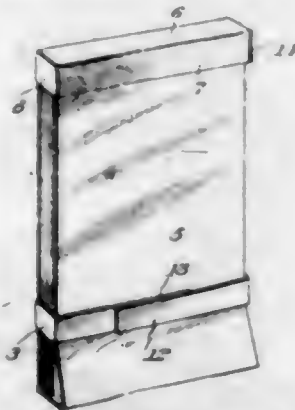
1. In an internal combustion engine of the class described, the combination of a working cylinder and a working piston, a double acting pump cylinder adjacent

to said working cylinder, passages in the walls of said cylinders adapted to admit scavenging air from the scavenging side of said pump cylinder, to admit working fluid from the working fluid pump side of said double acting pump cylinder, and exhaust ports in the wall of said working cylinder adapted to allow the burnt gases to escape from the working cylinder on the



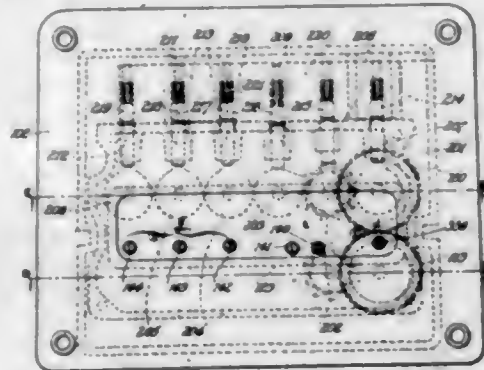
outward stroke of said working piston, a double acting pumping piston adapted to draw from the atmosphere, to compress and to deliver to said working cylinder a charge of scavenging air on one stroke and a charge of working fluid on the return stroke, and means to reciprocate said pumping piston a predetermined fraction of its stroke head of the stroke of said working piston.

1,510,621. LOOSE-LEAF HOLDER. AARON JEDEL, New York, N. Y. Filed Sept. 13, 1923. Serial No. 662,514. 4 Claims. (Cl. 129-1.)



4. A loose leaf holder comprising an end wall, a back wall extending therefrom, a loop on the back wall at an intermediate point in the length thereof, flap-receiving and detachably retaining means on the back wall remote from said end wall, and a front flap extending from the end wall and under the loop and having its free end removably engaged with said retaining means.

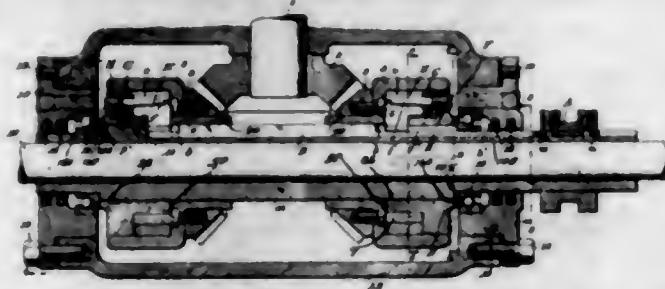
1,510,622. INDICATING AND REGISTERING DEVICE APPLICABLE TO POSTAL-FRANKING MACHINES. EDWARD HENRY KINNARD, London, England, assignor to Universal Postal Frankers Limited, London, England, a British Company. Filed June 25, 1924. Serial No. 722,335. 2 Claims. (Cl. 235-132.)



1. In a postal franking machine a meter detachable from the machine independently of the stamp drum or

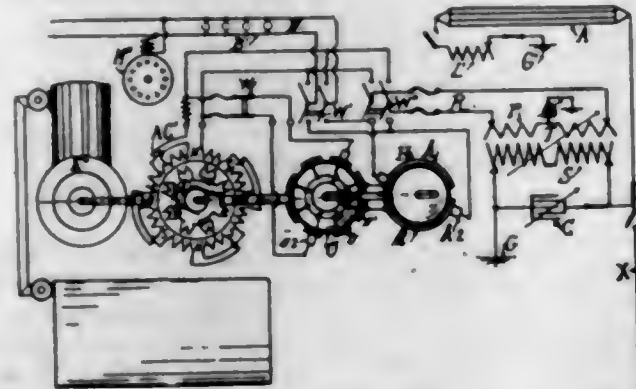
any other part of the machine, means being provided for locking the machine against operation when the meter is removed and including a slidable locking member normally restrained by a number of devices adapted to be retracted successively by the operation of the meter.

1,510,623. FRICTION REVERSER. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 22, 1921. Serial No. 446,988. 12 Claims. (Cl. 74-59.)



1. A friction reverser combining an elongated closed casing; an elongated sleeve terminating at one end in journaled relation with said casing and having its other end extending through and being journaled to an end-wall of said casing; a collar supported directly on the protruding end-portion of said sleeve to rotate therewith, said collar being located adjacent exterior face of said end wall of said casing and adapted to be shifted axially on said sleeve; two conversely arranged clutches spaced apart and supported by said sleeve immediately adjacent the interior faces of the opposite end-walls of said casing; two bevel gears located between said clutches in immediate proximity therewith respectively; a single bevel-gear continually meshing with said two gears and fixed to the end of a transverse shaft journaled through the side-wall of said casing; a spindle translatable through the bore of said sleeve and splined to rotate therewith; and an elongated key affixed at its outer extremity to said collar and extending therefrom through the end-wall of said casing and entirely through the adjacent clutch and continuing through the bores of said two bevel-gears, said key being provided with spaced clutch-actuating portions to enable either the one or the other of said bevel-gears to be clamped to said sleeve by shifting the collar located externally adjacent the end-wall of said casing.

1,510,624. ELECTRICAL POWER TRANSMISSION BY RADIATION. AUGUST J. KLOSECK, New York, N. Y. Filed Mar. 31, 1920. Serial No. 370,255. 5 Claims. (Cl. 250-2.)



1. A system for transmitting electrical power at a frequency below 200 cycles a second, comprising alternating current generators of the desired phase and frequency, means for energizing said alternating current generators and mechanical driving means for the same, of transformers having their primaries suitably connected with said alternating current generators, a radio conductor system connected with the secondaries of said transformers comprising a ground conductor, and suit-

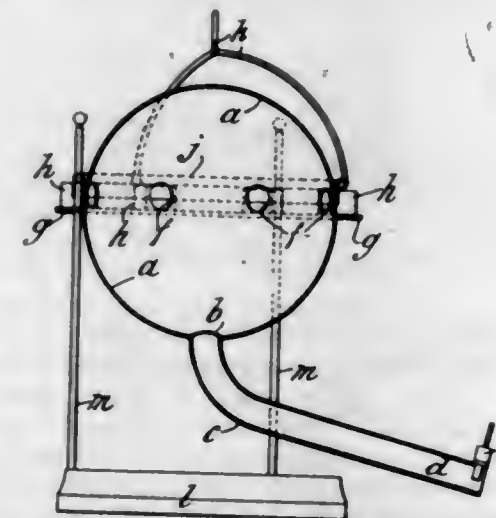
able reactance elements connected in series with said secondaries adapted for modifying and tuning said secondary circuit, a receiving circuit comprising a radio conductor system connected with transformers and suitable reactance elements, the latter being adapted for tuning the receiving circuit in resonance with said transmitting circuit, and utilizing means including motors and lights connected with said transformers.

1,510,625. PACKING FOR EGGS AND OTHER FRAGILE ARTICLES. LEON MANN, Mount Vernon, and MORRIS KOPPELMAN, Brooklyn, N. Y. Filed Jan. 11, 1924. Serial No. 685,502. 9 Claims. (Cl. 217-26.5.)



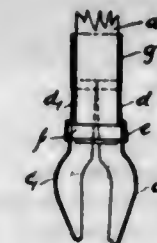
1. A packing for fragile articles adapted to be placed in a suitable box or other enclosure comprising a sheet of material having a series of cup-like depressed portions formed therein and adapted to receive articles to be packed and hold them in spaced relation, the said depressed portions having substantially conical bottom portions of relatively small diameter forming extensions of the main cup-like depression, and adapted to extend beyond the article therein.

1,510,626. APPARATUS FOR USE IN GAMES. JOHANN SECUNDUS KRUSE, London, England. Filed June 20, 1923. Serial No. 646,546. 12 Claims. (Cl. 46-57.)



1. Apparatus for use in games, consisting of a vessel, receptacles arranged around the vessel and having mouths leading to the vessel, a removable ring closing the mouths of the receptacles and an exit from the vessel.

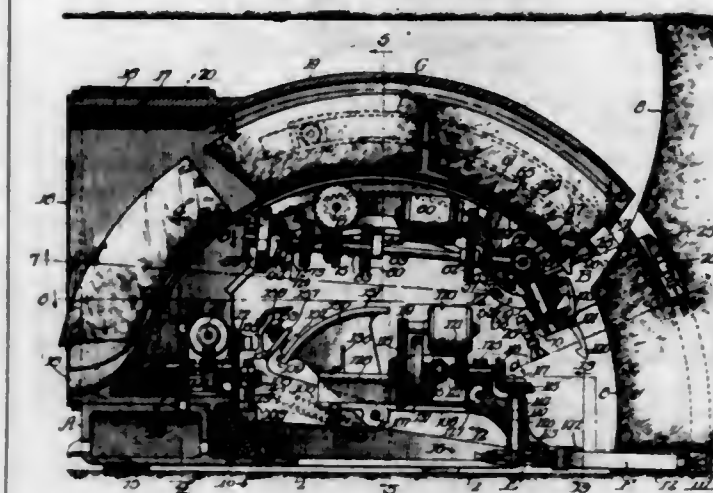
1,510,627. PENHOLDER FOR WRITING ADVERTISEMENTS. JOHANN LAUTERBACH, Bremen, Germany. Filed Dec. 30, 1922. Serial No. 610,065. 1 Claim. (Cl. 120-111.)



A penholder with a pen composed of two separate halves held on the holder by means of a ring pushed over the same comprising in combination a penholder,

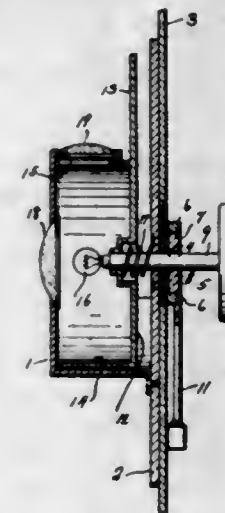
a collar on said holder, two halves of the pen each half consisting of a conical shaft of semi-circular cross section having an arc-shaped groove in its inner surface designed to fit over said collar of the holder and of a nib bent at an angle, and a conical ring pushed over said pen halves to securely press the same against the holder and against one another.

1,510,628. MINING MACHINE. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed July 6, 1914. Serial No. 849,071. Renewed Sept. 6, 1919. Serial No. 322,162. 203 Claims. (Cl. 262-28.)



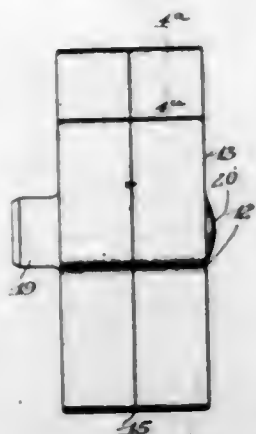
1. In a mining machine, the combination with a supporting frame, of core cutting mechanism mounted thereon in position to cut a core from the face of a mine wall in any direction toward a boundary thereof, means for operating said core cutting mechanism to cut such core in any direction toward a boundary of the coal face, and means for removing the cut core of material.

1,510,629. DIRECTION SIGNAL. EDMOND L. MCCORMICK, Manhattan, Kans. Filed Mar. 6, 1924. Serial No. 697,387. 7 Claims. (Cl. 116-51.)



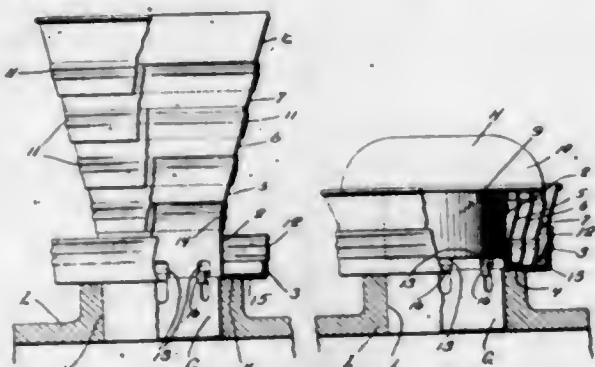
1. A direction signal comprising an outer casing having axially disposed lens and having an annular wall provided with an opening above the axially disposed lens and openings at opposite sides of the axially disposed lens, lenses being provided for covering the openings in the annular wall, an inner casing rotatably mounted in the outer casing and having a pointer extending radially from the inner casing and radially beyond the annular wall of the outer casing, the inner casing being provided with an annular wall having an opening formed therein in alignment with the pointer and adapted to be selectively moved into registry with the openings in the annular wall of the outer casing, and a lamp in the inner casing for directing light through the axially disposed lens of the outer casing and through a selected opening in the annular wall of the outer casing.

1,510,630. CENTRIFUGAL AGITATOR AND PROCESS OF MAKING THE SAME. EDGAR B. NICHOLS, Rochester, N. Y., assignor to The Pfaunder Company, Rochester, N. Y., a Corporation of New York. Filed July 23, 1923. Serial No. 653,158. 9 Claims. (Cl. 259-103.)



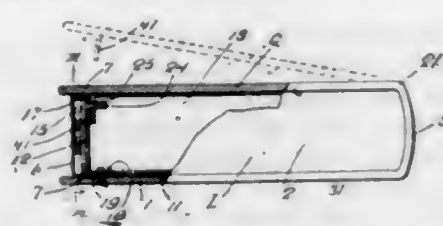
1. A centrifugal type agitator comprising a pair of sheet metal blanks shaped to provide central hub portions with circumferentially spaced blades, one of said blanks having a peripheral margin of substantial depth formed angularly toward the other blank and welded thereto to provide impelling vanes of substantial width transverse to the direction of rotation.

1,510,631. EXTENSION DEVICE FOR BREATHING PIPES. JOHN NUTRY, Ridgewood, N. J. Filed June 11, 1921. Serial No. 476,852. 11 Claims. (Cl. 225-38.)



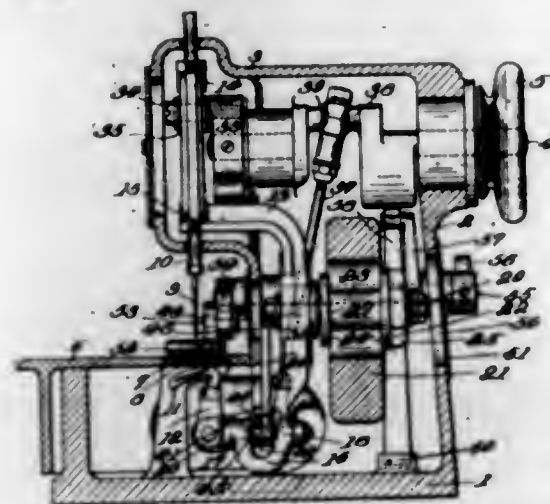
1. A device of the class described, comprising a base member, a plurality of extension sections telescopically collapsibly engaging said base member, drip catching means carried by said base member, and said base member having openings therethru communicating between said drip catching means and the interior of the base member.

1,510,632. LOCK MECHANISM. JOHN NUTRY, Ridgewood, N. J. Filed Apr. 18, 1922. Serial No. 555,469. 6 Claims. (Cl. 70-27.)



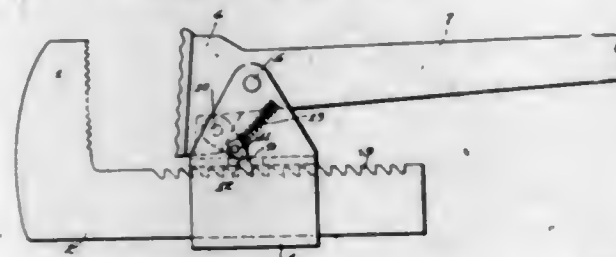
1. A lock mechanism comprising a pair of plates mounted to slide with respect to each other, means whereby said plates may be slid, and a single spring device arranged to engage said plates to urge said plates to normal position, said plates being disposed in a common plane, and said spring device comprising a single piece of sheet metal resting flat upon said plates collectively and having resilient portions engaging said plates.

1,510,633. SEWING MACHINE. DUDLEY S. SEYMOUR, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 13, 1920. Serial No. 409,841. 12 Claims. (Cl. 112-203.)



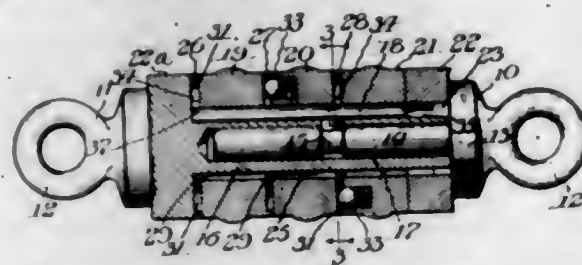
1. A sewing machine including in combination, a needle, means for reciprocating said needle, means for giving the needle a lateral movement while in the material for feeding the same, a threaded looper cooperating with said needle, a support therefor, means for moving the looper into and out of the needle thread loop and for giving the same a needle avoiding movement, and means for shifting the looper and its support bodily to maintain its cooperative relation to the needle as the needle shifts laterally for feeding the material.

1,510,634. ADJUSTABLE WRENCH. JOHN R. SIEGEL, Minneapolis, Minn. Filed June 18, 1923. Serial No. 646,062. 4 Claims. (Cl. 81-103.)



1. In an adjustable wrench the combination with a fixed jaw having a rack bar with rack teeth thereon extending therefrom, of a saddle passing about said rack bar, a loose jaw pivoted to said saddle, a dog pivoted to said loose jaw, and cooperating with said rack teeth, at a point forward of the normal plane of the pivot between said loose jaw and said saddle, and means extending through an aperture in said saddle for releasing said dog.

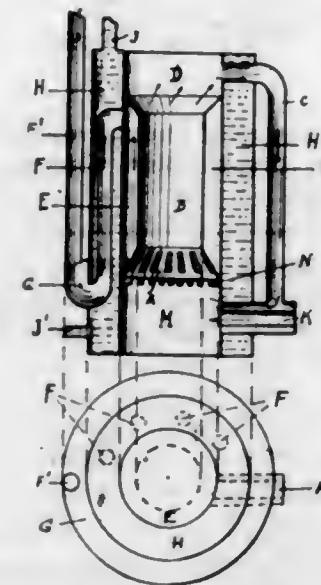
1,510,635. COMBINATION LOCK. JOHN M. STRMITZ, Chicago, Ill. Filed Sept. 23, 1919. Serial No. 325,638. 8 Claims. (Cl. 70-19.)



1. In a lock the combination of a pair of separable members, one of said members having an extension, said extension being provided with a bore, for the reception of the other member, a transverse aperture provided in said extension which communicates with said bore, a reciprocable member carried by said extension, a plurality of rotatable members also mounted upon the extension and having means for controlling the action of said

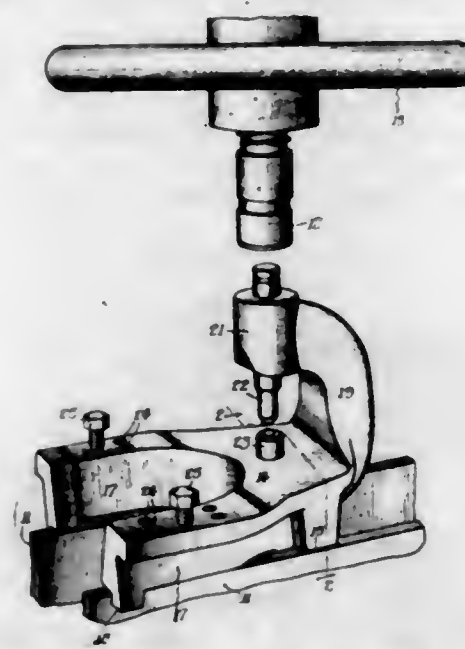
reciprocable member, said reciprocable member having means which cooperates with the second mentioned member to releasably lock said separable members together, and means co-operating with the rotatable members for holding said members in adjusted position.

1,510,636. CONTINUOUS-DISTILLATION DEVICE. ELIE JOSEPH VERMEYEN, Cholsay-le-Roi, France. Filed Apr. 11, 1922. Serial No. 551,727. 6 Claims. (Cl. 202-3.)



1. A continuous distillation device comprising a distillation vessel having a grate, an outwardly flaring frusto-conical lower end on said distillation vessel resting on said grate, a chimney, openings in the outwardly flaring lower end of said distillation vessel communicating with said chimney, and means for leading the gases of distillation from said distillation vessel to a point beneath said grate and for drawing in air for combustion of said gases beneath said grate.

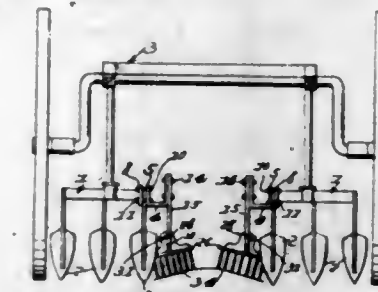
1,510,637. PRESS FIXTURE. IRA A. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Sept. 24, 1923. Serial No. 664,482. 2 Claims. (Cl. 78-48.)



1. A portable appliance of the character described adapted for use on a press, comprising in combination, a base adapted to rest on the bed of the press having horizontal extensions spaced apart and separated at their ends remote from said base leaving a vertical unobstructed opening between said extensions, an arm upstanding from said base and having a portion overlying the latter, a punch-bearing in said portion, means on said base in alignment with said punch-bearing to receive a

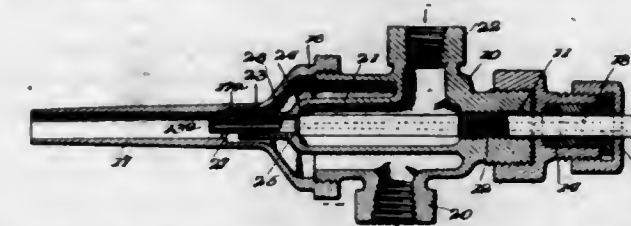
complementary die, and adjustable abutments on said extensions to support the work to be acted upon by the punch and die.

1,510,638. PULVERIZER. JESSE F. WEEKS, St. Helena, Calif. Filed May 24, 1922. Serial No. 563,272. 6 Claims. (Cl. 97-8.)



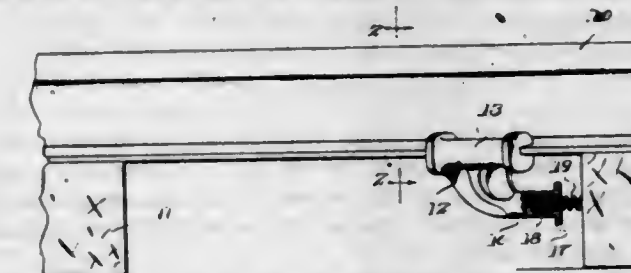
1. A soil pulverizer attachment for the drag bar of a cultivator comprising a U-shaped bracket provided with clamping means on one arm for engagement upon the drag bar, a vertical standard pivoted on the other arm and swingable forwardly or rearwardly in a vertical plane, means for holding said standard in an adjusted position, an angular element carried by the lower end of the standard and including a rearwardly extending horizontal flange, and a plurality of downwardly and rearwardly curved teeth detachably secured to said flange.

1,510,639. OIL BURNER. EDWIN COOPER WILLS, East Orange, N. J. Filed Feb. 6, 1924. Serial No. 690,950. 3 Claims. (Cl. 158-74.)



2. An oil burner including a casing open at one end and having an axial threaded bore in its opposite end and an inlet nipple intermediate its ends, an oil nozzle axially of the casing, and extending toward the open end of the casing, said nozzle having an oil inlet intermediate the ends of the casing, a burner nozzle attached to the open end of the casing, said oil nozzle having an extension tube at its open end projecting into the burner nozzle in spaced relation to the latter, and said oil nozzle having an internal valve seat at the inner end of its said extension tube, a valve stem having a handle at one end, extending axially through the oil nozzle and provided with a reduced cylindrical extension at its opposite end forming an annular shoulder at the inner end of the extension in cooperation with the valve seat of the oil nozzle, said valve stem extension projecting through and beyond the extension tube of the oil nozzle in spaced relation to the latter, and said extension tube of the oil nozzle having an opening in the wall thereof establishing communication between the interior of the said tube and the space within the casing around the oil nozzle.

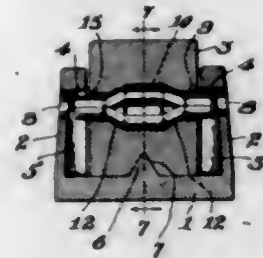
1,510,640. ANTICREEPER. WILLIAM G. WILSON, West New Brighton, N. Y. Filed Dec. 1, 1923. Serial No. 677,995. 3 Claims. (Cl. 238-330.)



2. In combination with a rail, supporting ties therefor, an anti-creeping device removably carried by the

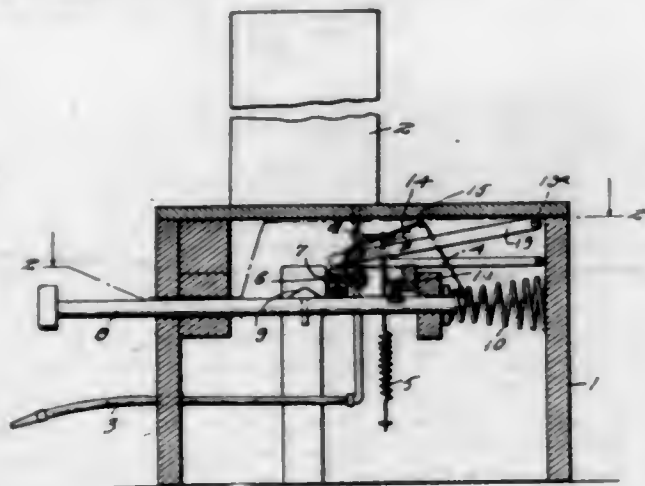
base of said rail, yieldable means on said device and means carrying the yieldable means for engagement with said tie upon movement of the rail in one direction.

1,510,641. SIDE BEARING. WILLIAM E. WINE and WILLIAM F. CREMEAN, Toledo, Ohio. Filed Feb. 3, 1923. Serial No. 616,651. 14 Claims. (Cl. 64-65.)



1. A side bearing comprising a base and two side walls on said base, flanges formed on the inner surfaces of said side walls, a roller movable within said side walls and said roller having a passageway therethrough, a portion of said passageway being enlarged, one of said side walls formed with an opening therein, an offset pin passed through said opening and through the passageway in the roller and locked within the passageway, the ends of said pin retained by said flanges and thereby holding the roller within said side walls and limiting the forward and rearward movement of the same.

1,510,642. LIQUID-VENDING MACHINE. WILLIAM J. WYATT and CLAUDE O. REED, Mansfield, Ark. Filed Feb. 10, 1923. Serial No. 618,275. 2 Claims. (Cl. 194-43.)

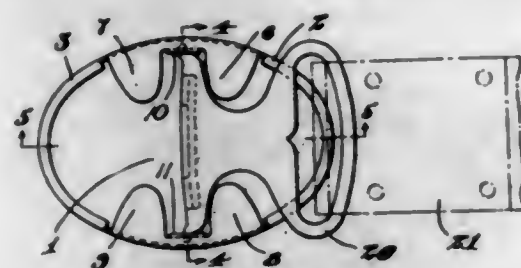


1. A machine of the class described having a dispensing means, a control lever operatively associated therewith, an operating member, a pivoted lock bar for said member having an initial movement through deposit of the coin to release said member while retaining the coin, a stop bar to limit said initial movement, a pivoted trip bar overlapped by said control lever, means operable through movement of said operating member to shift the trip bar so that it will shift the control lever to actuate the dispensing means, and an operative connection between said operating member and said stop bar to displace the latter to permit further movement of the lock bar to release the coin.

1,510,643. BELT BUCKLE. LOUIS A. ANDERSON, Attleboro, Mass., assignor to R & G Company, Inc., Attleboro, Mass., a Corporation of Massachusetts. Filed Feb. 4, 1924. Serial No. 690,385. 8 Claims. (Cl. 24-191.)

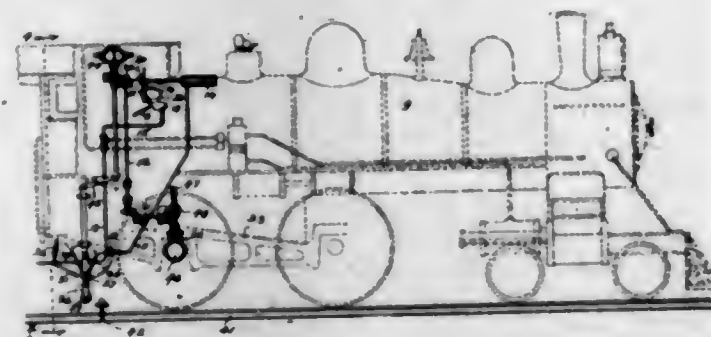
1. A two-piece belt buckle consisting of a front plate having opposed rearwardly directed flanges, an ear ex-

tending inwardly and forwardly from the rear edge of each flange, said ears diverging from their respective



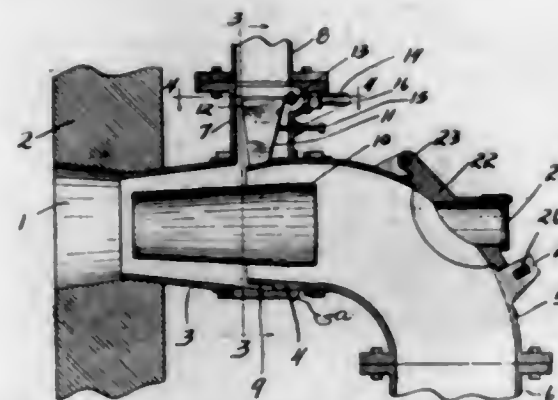
flanges and each having a journal opening, and a clamping lever having aligned pivot elements engaging the respective openings.

1,510,644. GOVERNOR MECHANISM FOR AUTOMATIC TRAIN CONTROL. WILLIAM M. BECK, Elwood, Ind. Filed Feb. 23, 1923. Serial No. 620,745. 15 Claims. (Cl. 246-182.)



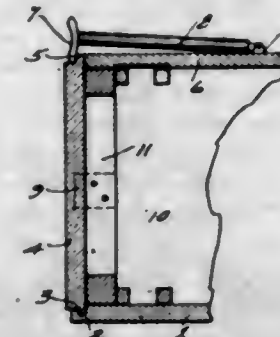
5. In an apparatus for the purposes specified, a track member, a trip-bar carried by the train and having a hinged section which is swingingly moved by contact with the track member, a counter located adjacent to the hinge, and means on the swinging member of the trip-bar cooperating with the counter mechanism for registering and counting each swinging movement of the trip-bar and automatic means for raising the trip-bar to miss the track member and avoid movement of the counter below a predetermined speed of the train.

1,510,645. PULVERIZED-FUEL BURNER. LARS HUGO BERGMAN, Chicago, Ill., assignor, by means assignments, to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1920. Serial No. 350,016. 11 Claims. (Cl. 110-104.)



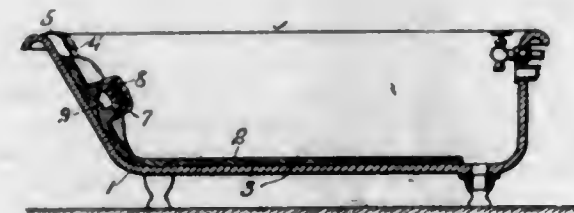
11. A burner for powdered fuel comprising a conduit provided with a portion spaced from the wall thereof and defining a fuel space, means for supplying fuel to said fuel space, means for connecting said conduit with a source of air under pressure, and means extending into said space for distributing the fuel therein.

1,510,646. NEGATIVE GLASS AND MEANS FOR HOLDING SAME. HERMAN C. BOEDICKER, New York, N. Y. Filed Oct. 18, 1919. Serial No. 332,082. Renewed Jan. 6, 1923. 2 Claims. (Cl. 95-73.)



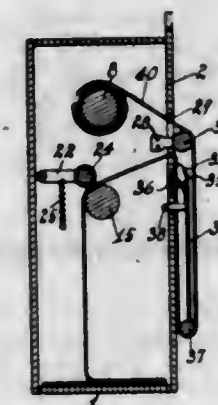
1. The combination of a negative glass having two edges thereof rabbeted, a negative box having a groove positioned along one side thereof to receive one of said rabbeted edges, and clamping means supported on another face of said negative box for clamping the other of said rabbeted edges.

1,510,647. BATHTUB MAT. BENJAMIN P. BOMAN, Clovis, N. Mex. Filed Mar. 26, 1923. Serial No. 627,633. 8 Claims. (Cl. 4-185.)



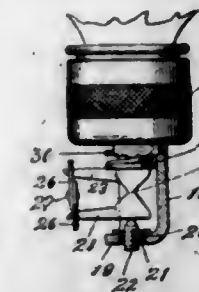
1. A bath tub mat comprising a mat of flexible material adapted to be fitted to the bottom and one end of a bath tub, and provided on its upper side with a raised transverse cushion, substantially as set forth.

1,510,648. TOWEL RACK. JOSEPH N. BORROUGHS, Oakland, Calif. Filed Aug. 17, 1921. Serial No. 492,964. 9 Claims. (Cl. 45-32.)



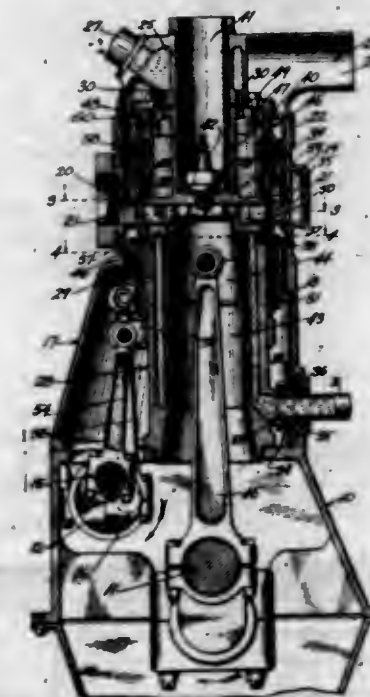
1. In a towel rack, a casing, a stud shaft journaled at one side in the casing, a tongue on the inner end of the stud shaft, a towel supply roller provided with a closed end groove in one end into which projects said tongue, a journal on the other end of said roller, and an open bearing on the other side of said casing which receives said journal.

1,510,649. FIRE EXTINGUISHER. HARRISON H. BORCE, Forest Hills, N. Y. Filed July 24, 1919. Serial No. 313,034. 11 Claims. (Cl. 169-26.)



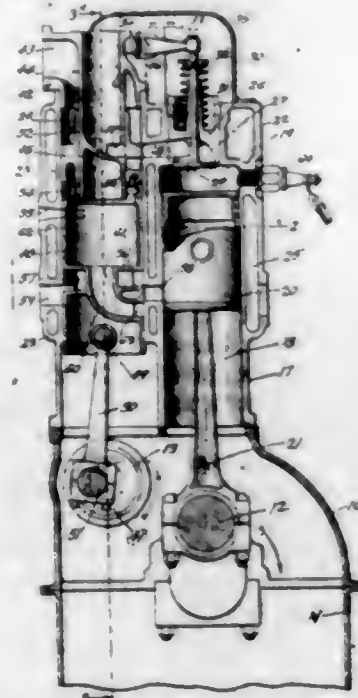
1. In a fire extinguisher of the character described, a container for the extinguishing liquid having a discharge orifice therein, a closure for said orifice, thermally sensitive means for holding said closure in position until subjected to a predetermined temperature, and a support for said thermally sensitive means adapted to be broken to render said thermally sensitive means inoperative for holding said closure and to permit the extinguishing fluid to be released when manual operation of the extinguisher is desired.

1,510,650. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, of one-third to Harry R. Phillips, Newhall, Calif., and one-third to Homer A. Brunell, Los Angeles, Calif. Filed Feb. 14, 1921. Serial No. 444,662. 2 Claims. (Cl. 123-79.)



2. In an internal combustion engine, a housing having a gas distributing chamber, a power cylinder removably arranged within the housing, exhaust and intake ports formed in the cylinder and adapted to communicate with said distributing chamber, an exhaust cap sustained on the housing, exhaust ports formed in the housing to effect communication with said cap, a stationary sleeve fixed on the cylinder and disposed concentrically of the latter, concentric sleeves mounted for sliding movement at opposite sides of and against the stationary sleeve, and ports formed in all of said sleeves for controlling the supply of gaseous fuel to the cylinder ports and for effecting the discharge of products of combustion from the cylinder through said exhaust ports.

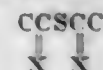
1,510,651. SUPERCHARGING INTERNAL-COMBUSTION-ENGINE VALVE MECHANISM. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Franklin H. Young, Riverhead, Long Island, N. Y., and one-fourth to Homer A. Brunell, Los Angeles, Calif. Filed Feb. 20, 1922. Serial No. 537,960. 24 Claims. (Cl. 123-79.)



11. In a valve mechanism for internal combustion engines, a combined piston valve, manifold selector and supercharger, and a gaseous fuel inlet duct leading downwardly through the top of said combined piston valve, manifold selector and supercharger.

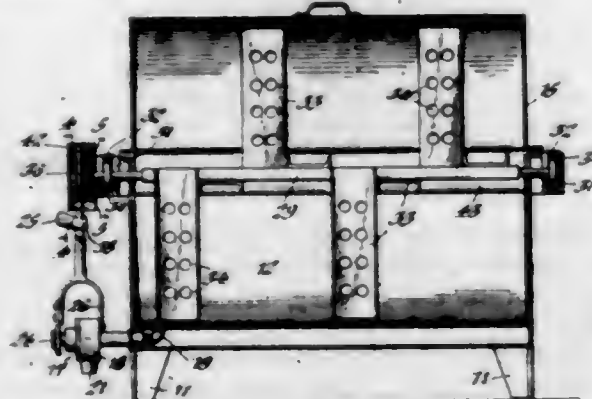
1,510,652. PROCESS FOR VULCANIZING RUBBER AND PRODUCTS OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Original application filed Apr. 1, 1922, Serial No. 548,826. Divided and this application filed Apr. 1, 1922. Serial No. 548,831. 44 Claims. (Cl. 18-50.)

1. A process of vulcanizing rubber or similar material which comprises combining with the rubber a vulcanizing agent and an accelerator comprising the group



and vulcanizing the rubber.

1,510,653. DISPENSING APPARATUS. FRANK C. CARR, Lockport, N. Y. Filed Apr. 9, 1923. Serial No. 630,874. 6 Claims. (Cl. 221-87.)



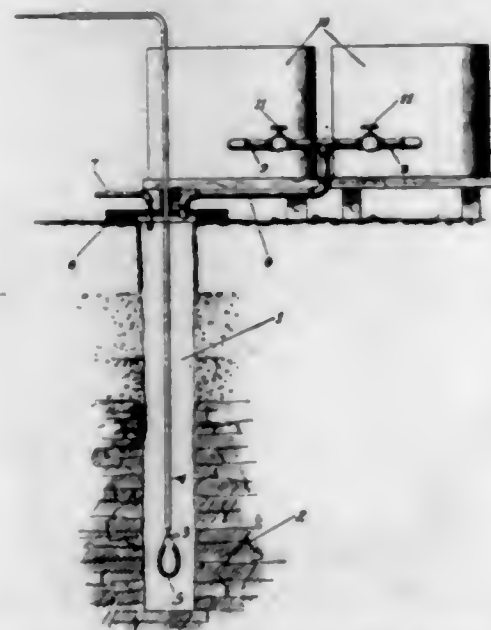
2. A milk dispensing apparatus, comprising a container for the milk, a valve for controlling the discharge of milk from the container, an agitating device arranged horizontally in said container, a handle for said valve movable manually in one direction, a flexible connection between said handle and said agitating device whereby the latter is actuated when the valve-handle is moved

in the direction to open said valve, and means for causing the automatic return of said handle to its initial position.

1,510,654. ORNAMENTING AND PROOFING FABRICS. LEANDER J. CAVANAUGH, Swampscott, Mass. Filed Nov. 22, 1919. Serial No. 330,993. 3 Claims. (Cl. 91-68.)

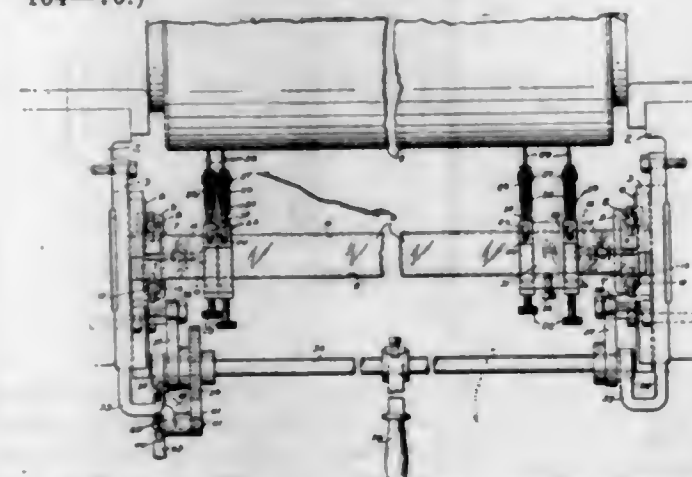
3. The process of treating fabric to render it soil proof while avoiding a greasy appearance thereof which consists in first treating said fabric with a suitable filler tending to limit the penetration into the fiber of the finishing material, then applying to the fabric so treated a liquid solution of cellulose in which is mixed a relatively small quantity of bronze powder.

1,510,655. PROCESS OF SUBTERRANEAN DISTILLATION OF VOLATILE MINERAL SUBSTANCES. CORNELIUS CLARK, Lodi, Calif. Filed Nov. 21, 1922. Serial No. 602,462. 2 Claims. (Cl. 262-3.)



1. A process for the destructive distillation of volatile mineral substances consisting essentially in sinking a bore into a deposit of such substance providing a source of heat in said bore in the plane of the substance, sealing the bore above said source providing an outlet past the seal for the escape of gases from the substance, air being excluded from admission to said outlet, and providing means for removing or neutralizing the oxygen initially in the bore after the seal is placed and prior to the operation of the heat means.

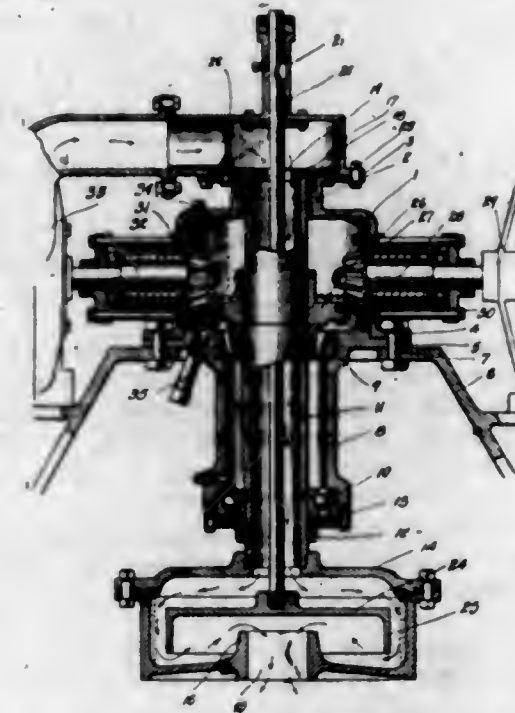
1,510,656. STRIP-CUTTING ATTACHMENT. EUGENE E. CLEMENTS, New Haven, Conn., assignor to L. Candee & Company, a Corporation of Connecticut. Filed Sept. 17, 1921. Serial No. 501,369. 10 Claims. (Cl. 104-70.)



1. A strip cutting attachment for a roll, comprising cutting means coacting with the roll, and means whereby the cutting means may have a limited free movement

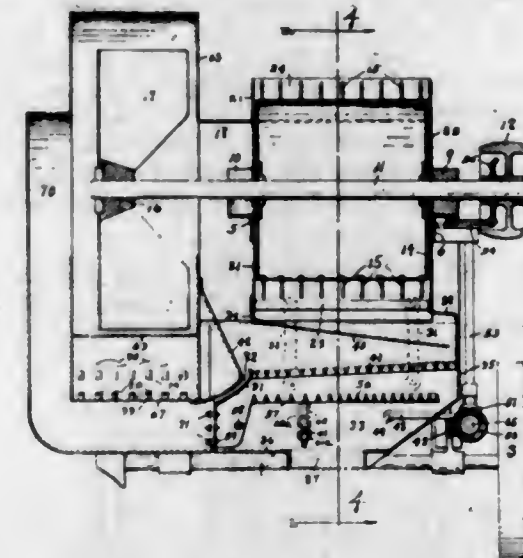
in operation longitudinally of the roll axis and synchronous with side movements in either direction of said roll in its bearings.

1,510,657. DRIVEHEAD FOR CENTRIFUGAL MACHINES. WILLIAM C. COLEMAN, Wichita, Kans. Filed June 9, 1923. Serial No. 644,345. 3 Claims. (Cl. 233-23.)



3. A driving head for centrifugal machines comprising a hollow shaft, bearing members for the hollow shaft, means for rotating the hollow shaft, a material introducing conduit communicating with the top of the hollow shaft, means receiving motion from the hollow shaft to accelerate flow through the material introducing means, and a fixed shaft projecting through the hollow shaft.

1,510,658. THRASHING MACHINE. GEORGE F. CONNER, Port Huron, Mich. Filed Sept. 12, 1921. Serial No. 500,080. 20 Claims. (Cl. 130-27.)

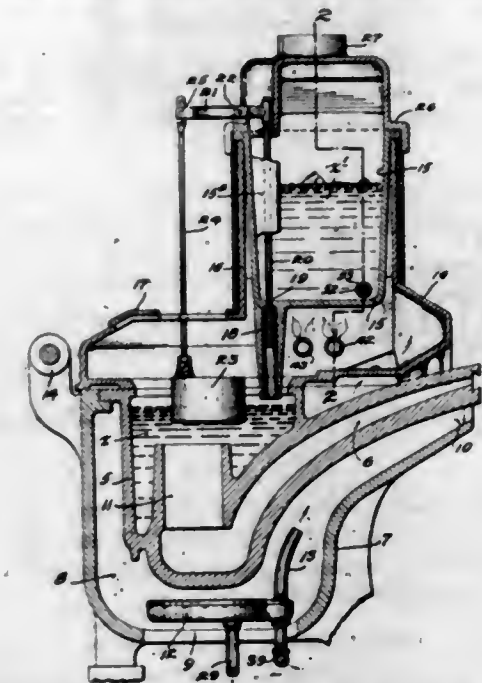


1. In a thrashing machine, a thrashing cylinder, a fan, a casing inclosing the cylinder, a housing inclosing the fan, and a cleaning shoe, said machine being provided with passages between the shoe and housing and fan for conducting air from the fan to the shoe and from the casing to the fan.

1,510,659. MAIN AND AUXILIARY MELTING POT FOR LINOTYPE MACHINES. GEORGE L. CURLE, Minneapolis, Minn. Filed Jan. 6, 1923. Serial No. 611,082. 5 Claims. (Cl. 22-80.)

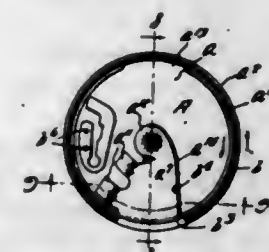
2. The combination with a main melting pot, of an auxiliary pot arranged to deliver into said main pot, a

housing structure connecting the two pots as a self-contained unit, a pair of burners arranged below the auxiliary pot and above the main pot, means affording one of the burners a continuous supply, and means affording the other burner an intermittent supply, said



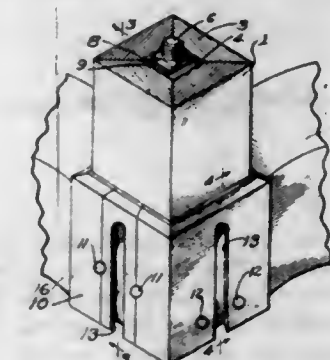
latter means including a thermally-actuated controlling valve, the two burners being so closely associated that the flame from the continuously operating burner will afford a pilot for lighting the intermittently operating burner.

1,510,660. COIN BANK. PETER R. DILL, Cleveland, and JOHN W. SWARTZ, Lakewood, Ohio, assignors to The Bankers Savings & Credit System Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 29, 1922. Serial No. 591,224. 7 Claims. (Cl. 232-4.)



1. A coin bank comprising relatively rotatable casing members enclosing a coin compartment having a coin receiving opening, a coin pocket in receiving relation to said opening, and means for transferring a coin from the pocket to the compartment when the casing members are relatively rotated.

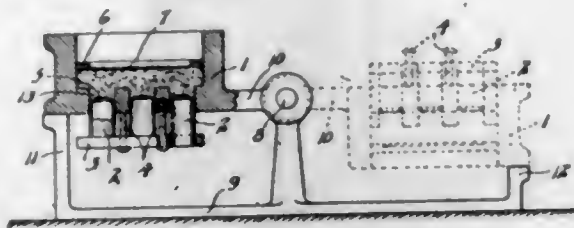
1,510,661. COSTUMER. ANNEUS ELLINGSEN, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 30, 1922. Serial No. 532,536. 8 Claims. (Cl. 45-13.)



1. In a structure of the class described, a removable base block formed of sections of material secured to-

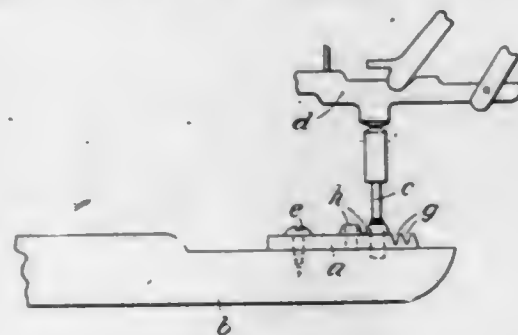
gether, a plurality of arms having a dove-tailed groove and tenon connection with and extending outwardly from the base block, and dowel pins for reinforcing the base block at the sides of the connection and at right angles to each one of the arms.

1,510,662. PLASTER BOARD AND METHOD OF MAKING SAME. GEORGE H. ELLIS, St. Paul, Minn. Filed Apr. 2, 1923. Serial No. 629,402. 5 Claims. (Cl. 25-42.)



2. A plaster board comprising an integral flat body of fibrous material having projecting from one surface thereof regularly spaced button-like members having upset and compressed outer ends.

1,510,663. BALANCE WEIGHT FOR PIANOFORTE KEYS AND THE LIKE. WILLIAM FINNIMORE, London, England. Filed Feb. 20, 1924. Serial No. 604,111. 4 Claims. (Cl. 84-433.)



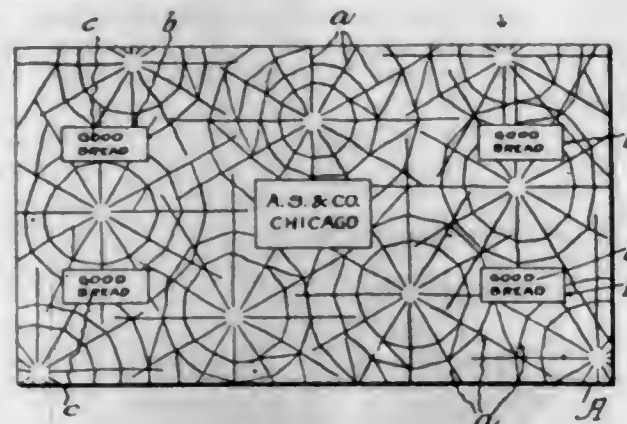
4. In a pianoforte or like key, the combination with a motion-transmitting rod, of a metal block for balancing the key, said rod being driven through the block into the key so that it will hold the block in position with the aid of a single fastening screw and so that it will itself be held in position by the block, the block being provided with a plurality of apertures for the reception of the rod so that the position of the block on the key can be varied without varying the position of the rod relative to the same, the block being notched at one end to allow portions of the same to be easily broken off for further regulation of the balance.

1,510,664. DEVICE FOR SECURING NAME PLATES. LEONARD J. FOX, Cincinnati, Ohio. Filed July 5, 1923. Serial No. 649,505. 3 Claims. (Cl. 40-20.)



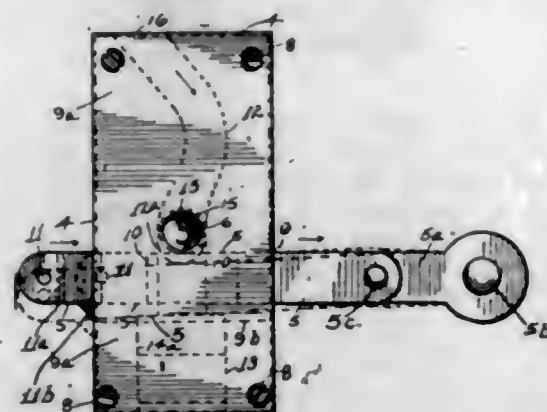
1. In a device of the character specified, a holding plate with an opening therein, and a name plate to be secured thereto, the name plate provided with a flange and a separate annular spring plate to be inserted within the flange with the periphery of the spring plate bearing against the flange to form an external ridge therefor to engage behind the edge of the opening in the holding plate to lock the second plate thereto.

1,510,665. WAXED WRAPPING PAPER AND METHOD OF MAKING THE SAME. EMILE FRISCH, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 692,192. 2 Claims. (Cl. 41-26.)



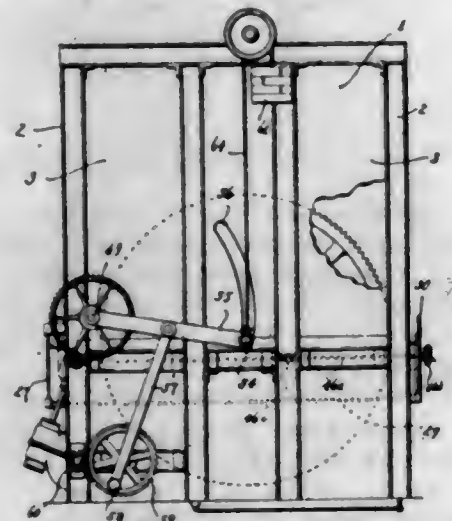
1. As a new article of manufacture, a sheet of waxed wrapping paper having printed thereon in white ink a design comprising a multiplicity of lines, whereby lines resulting from the creasing of the paper are rendered inconspicuous.

1,510,666. INDICATING CAR SEAL. RIBOURNE W. GATEWOOD, Norfolk, Va. Filed Sept. 10, 1923. Serial No. 661,833. 1 Claim. (Cl. 116-2.)



In combination with a car and its door, of a receptacle on the car and provided with an opening or window in the front portion thereof, a latch bar or hasp passing through said receptacle and movably and slidably positioned therein, a disc or seal normally resting upon said latch bar and visible from the exterior of the car, and means for dropping said disc or seal out of view by the movement of said latch bar.

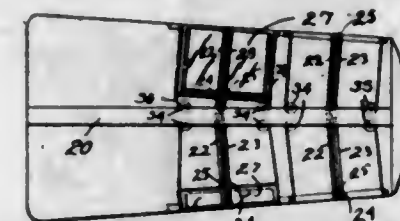
1,510,667. DRIVE MECHANISM FOR DYEING MACHINES. JOHN H. GILES and DONALD M. GILES, Philadelphia, Pa. Filed Apr. 10, 1922. Serial No. 555,565. 7 Claims. (Cl. 8-19.)



1. In a dyeing machine provided with a dye vat, in combination, a yarn stick supporting reel mounted on a

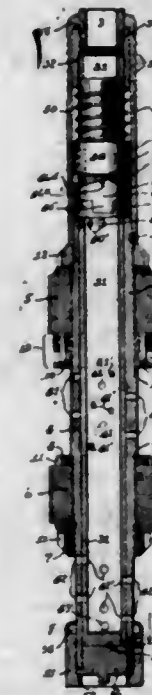
shaft, pivoted arms supporting said shaft the head of said reel having a geared ring concentrically disposed with respect to the said shaft, cranks to throw said arms on their pivots, a gear mounted on one of said pivots and engaging the said gear on said reel, and means to drive said cranks and said first named gear, whereby to shift said reel while rotating it.

1,510,668. SLIDING WINDOW FOR AUTOMOBILE TOPS. LEO GILLIG and CHESTER GILLIG, San Francisco, Calif. Filed June 10, 1920. Serial No. 387,965. 2 Claims. (Cl. 296-140.)



1. The combination with an automobile and its top, of a slidable window, a pair of guides connecting the top and car body, a single guide extending laterally upwardly and rearwardly from the side of the top toward the center thereof, lugs carried by the window slidable in each of said guides, cables passing over pulleys at the top of the side guides, said cables connected to the bottom corners of the window a spring winding drum to which each cable is connected, and springs under the top for winding said cables to aid in raising the window.

1,510,669. PERFORATION CLEANER FOR OIL-WELL CASINGS. ALONZO LEWIS HALLIDAY, Oil Center, Calif. Filed Apr. 3, 1923. Serial No. 629,621. 25 Claims. (Cl. 166-20.)

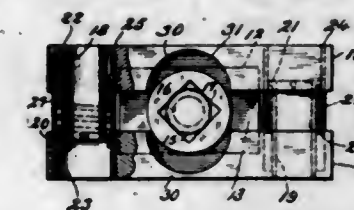


1. A well cleaner comprising a chambered member adapted to be suspended within the well using and having two spaced fluid discharge ports communicating with its interior, a packer carried by said member between said ports and adapted for closing the space between said member and the casing; means for selectively opening and closing either or both ports; and means for supplying fluid to the interior of said member.

1,510,670. PRINTER'S QUOIN. HARRY H. HANCOCK, Swampscott, Mass., assignor to Henry A. Sawyer, Lynn, Mass. Filed Jan. 25, 1923. Serial No. 614,743. 8 Claims. (Cl. 254-42.)

8. In a printer's quoin, the combination of side members having inclined, converging, inner faces, a wedge bearing on said faces and having a screw-threaded open-

ing, an adjusting-screw engaged in said opening and having a head bearing on said side members, projecting guides carried by one of the members, and projecting



guides carried by the other member and adjustable on aforesaid guides, and springs acting to draw said members together.

1,510,671. PLACARD HOLDER FOR TANK CARS. EDWARD A. FALL, Rutherford, N. J. Filed June 7, 1923. Serial No. 643,975. 14 Claims. (Cl. 40-125.)



1. An article of the character described, comprising a holder adapted to be mounted on a car, a placard support, and means connecting said holder and support and permitting a limited axial movement of the placard support relative to the holder and rotary movement of said support when in a predetermined axial relation to the holder while preventing separation of the holder and placard support.

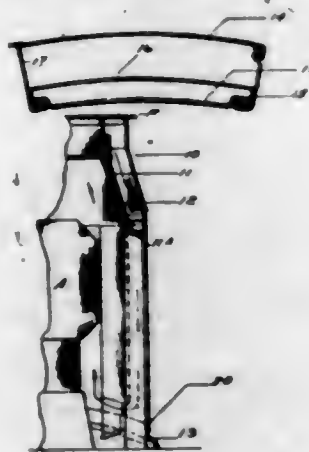
1,510,672. PLACARD HOLDER FOR TANK CARS. EDWARD A. FALL, Rutherford, N. J. Filed Feb. 11, 1924. Serial No. 692,124. 14 Claims. (Cl. 40-125.)



8. An article of the character described, comprising a holder adapted to be mounted on a car, a placard

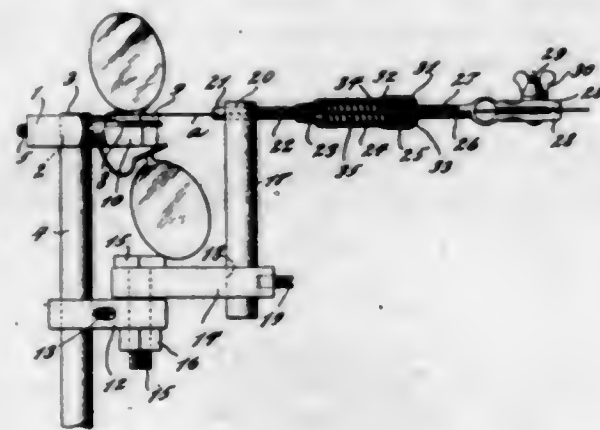
support, means connecting said holder and support and permitting a limited axial movement of the placard support relative to the holder and rotary movement of said support when in a predetermined axial relation to the holder while preventing separation of the holder and placard support, and supplemental lock controlled means for preventing axial movement of the placard support sufficient to establish a rotary relation between the holder and said support.

1,510,673. SECTIONAL FURNACE CASING. GEORGE HARMS and ROY C. WALKER, Peoria, Ill. Original application filed May 16, 1921, Serial No. 469,897. Divided and this application filed Apr. 28, 1922. Serial No. 557,061. 5 Claims. (Cl. 126-114.)



1. A furnace casing comprising a plurality of sections, each section formed of concentrically arranged spaced sheet metal wall members inwardly tapering, and side closure members joining the wall members, said side closure members being provided with inter-engaging marginal folds adapted to support adjacent sections without the use of bolts, rivets or the like.

1,510,674. TOOL FOR APPLYING AND TENSIONING WIRE ABOUT GLASS OR LENSES. GERARDUS POST HERRICK, New York, N. Y. Filed Sept. 8, 1920. Serial No. 408,976. 10 Claims. (Cl. 29-20.)

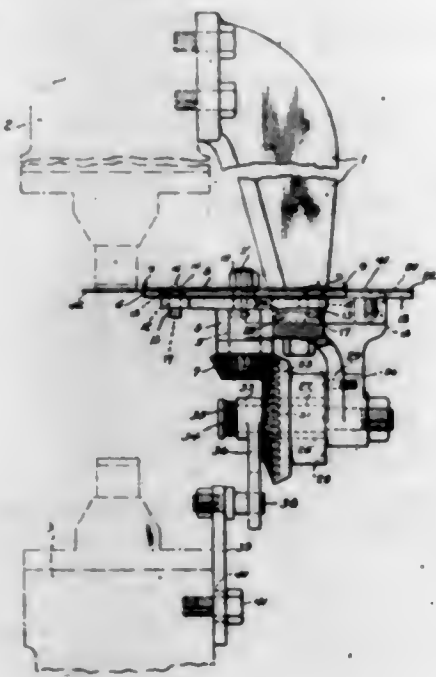


10. A tool for the purpose described, comprising a standard, a mounting support adjustably mounted on the standard, and having a plurality of mounting receiving slots, a second standard, tensioning means on said second standard, and a pivot between said standards permitting relative swinging movement between said mounting-support and said tensioning means.

1,510,675. FEED DEVICE. THOMAS B. HUESTIS, Bristol, R. I., assignor to National India Rubber Company, a Corporation of Rhode Island. Filed Sept. 9, 1920. Serial No. 409,049. 9 Claims. (Cl. 271-3.)

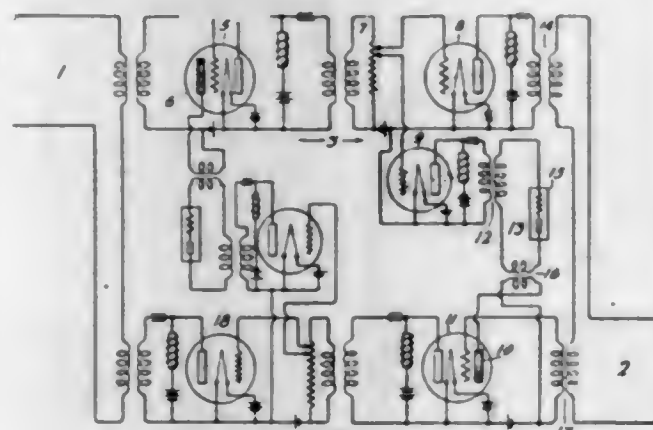
1. A feed device for a blank treating mechanism comprising a fixedly supported flat carrier rotatably mounted

adjacent said mechanism, means for supporting the edge of a flat blank in the path of the edge of said carrier, means for causing said carrier to seize the



blank by its edge, whereby it may be carried to the blank treating mechanism, and means for releasing the blank from the carrier after it has passed beyond the blank treating mechanism.

1,510,676. REPEATER CIRCUITS. EDGAR D. JOHNSON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1918. Serial No. 214,065. 9 Claims. (Cl. 179-170.)

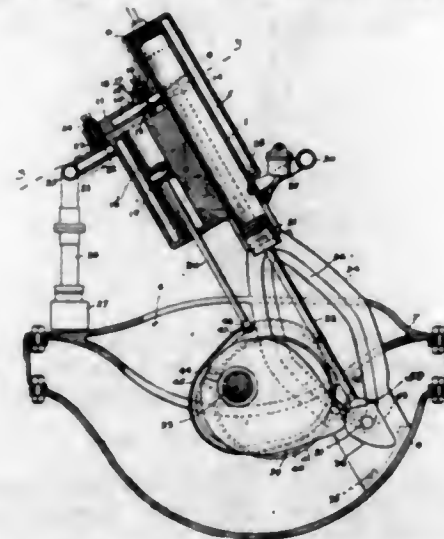


1. The combination of a line, a vacuum tube repeater having its output circuit effectively connected to transmit current to said line, and means responsive to a current impressed on said line for supplying two currents of substantially equal amplitudes and opposite phases to said repeater.

1,510,677. INTERNAL-COMBUSTION ENGINE. WILLIAM EDWARD JORY, Martinez, Calif. Filed Nov. 20, 1920. Serial No. 425,353. 2 Claims. (Cl. 123-197.)

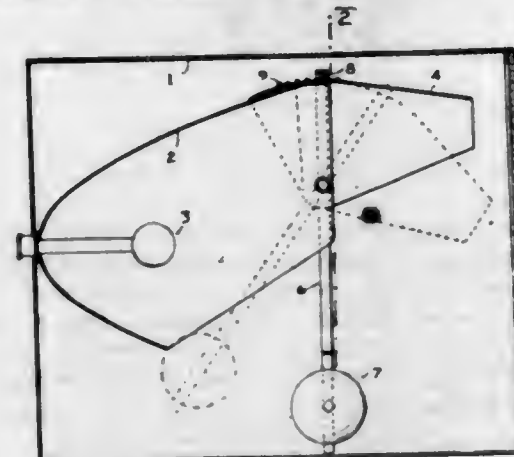
1. An internal combustion engine embodying in its construction a plurality of cylinders, pistons reciprocal in the cylinders, a drive shaft, connecting rods extending from the pistons, guide members for causing the lower ends of the connecting rods to travel in a circuitous path on operation of the engine, disks eccentrically mounted on the drive shaft, eccentric rings sur-

rounding the disks, arms projecting from the rings and pivoted to the ends of the connecting rods, cam mem-



bers fixed to the drive shaft, and cam members on the ends of the connecting rods arranged to cooperate with the cam members on the drive shaft.

1,510,678. AUTOMOBILE HEADLIGHT. WILLIAM E. JOAY, Martinez, Calif. Filed Jan. 2, 1924. Serial No. 683,853. 2 Claims. (Cl. 240-45.)

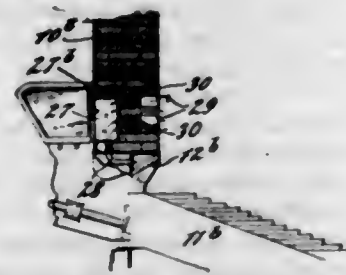


1. The combination with an automobile head light, of a glare shield pivoted on the light and extending forwardly and downwardly therefrom to prevent glaring light rays from being directed upwardly and outwardly from the lamp, an upright arm pivoted intermediate of its ends on the light and having its upper end adjustably attached to the shield, and a weight attached to the lower end of the arm.

1,510,679. ART OF PRESERVING FRUIT. SAMSON KATZPROWSKY, New York, N. Y. Filed Oct. 21, 1922. Serial No. 596,151. 8 Claims. (Cl. 99-8.)

6. Dried fruit completely covered with an adherent dry envelope of material, comprising pectin.

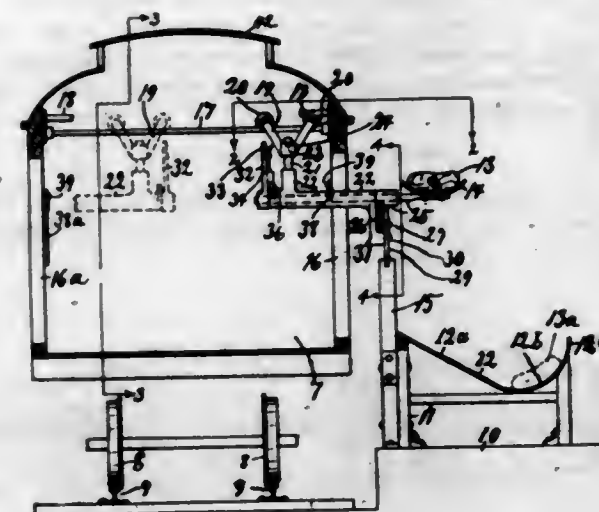
1,510,680. AIR-COOLED WALL. HOWARD J. KERN, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 12, 1919. Serial No. 303,671. 11 Claims. (Cl. 110-67.)



1. In combination with a furnace wall formed with a ventilating passage, a stoker having a wind box

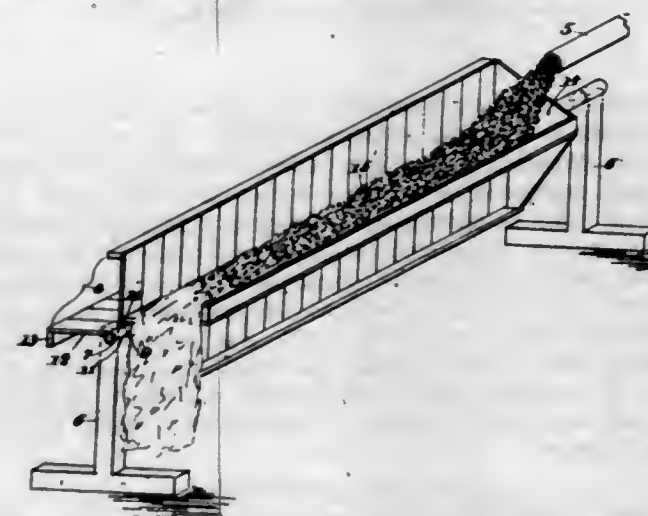
which serves as a support for said wall, means for introducing air from said wind box to said passage, and means for ventilating said wall by the air from said ventilating passage.

1,510,681. MAIL-BAG-DELIVERING DEVICE FOR RAILWAY CARS. SYLVESTER L. KING and LEROY J. KING, St. Paul, Minn. Filed Jan. 25, 1923. Serial No. 614,822. 2 Claims. (Cl. 258-16.)



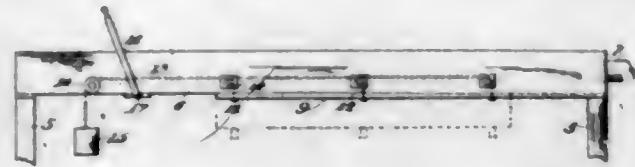
1. In a device of the class described, means for receiving a mail bag from a moving mail car, and means on the car for carrying the mail bag, said carrying means comprising a track fixed across the interior of the car above the opposite door openings thereof, wheels running on said track, a carriage suspended from the wheels, a mechanism frame having an upright shaft journaled in the carriage, a horizontally disposed shaft journaled in the mechanism frame and having at one end a tray on which to lay a mail bag, and means for partly rotating the latter shaft when the tray is outside of and in spaced relation to the side of the car, so as to cause the mail bag to drop from the tray, said tray when in operative position being tiltable in a direction parallel to the side of the car.

1,510,682. GRAVEL CLEANER. JOHN KLEPACH, Cedar Rapids, Iowa. Filed Dec. 7, 1922. Serial No. 605,497. 2 Claims. (Cl. 83-89.)



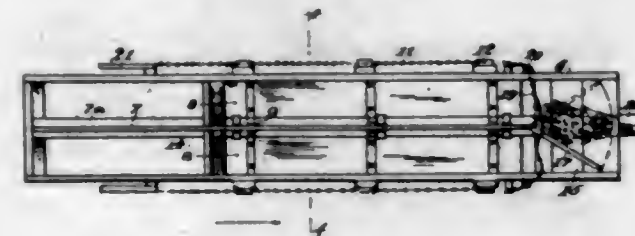
1. Gravel-cleaning apparatus, comprising, in combination with means for producing a flow of gravel and water, a sluice-box elongated in the direction of said flow, and pivoted to tip laterally, and partly below the bottom of the box, whereby the box may accumulate a load, but dump by gravity, the refuse being carried over the end of the box and past the cleansed gravel.

1,510,683. GRAVEL CLEANER. JOHN KLEPACH, Cedar Rapids, Iowa. Filed Dec. 7, 1922. Serial No. 605,498. 4 Claims. (Cl. 83-89.)



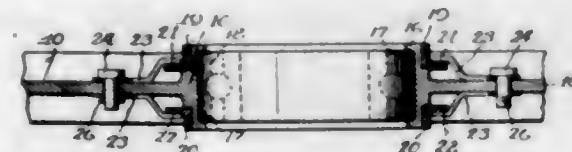
1. In gravel cleaning apparatus, the combination with means for delivering material commingled with water, of a long receiving sluice-box, a laterally hinged bottom-board therefor, a suspending chain therefor, and a weight attached to its free end.

1,510,684. GRAVEL CLEANER. JOHN KLEPACH, Cedar Rapids, Iowa. Filed Dec. 7, 1922. Serial No. 605,499. 5 Claims. (Cl. 83-89.)



1. In a gravel-cleaner, a long sluice-box to receive the material, a longitudinal dividing partition, laterally hinged bottom-boards for each compartment, load-suspending means connecting with said bottom-boards, a deflecting board at the receiving end of the sluice-box, to shunt the material to either compartment, and means adapted to deliver the material in a watery, flowing condition to said sluice-box.

1,510,685. PISTON ROD. GUY L. KLUEFER, Chicago, Ill., assignor to Richard J. Coyne, William M. Rettig, W. W. Kiere, and N. Rogers Barr, as trustees for Multi-X Aircraft & Motors Company, Chicago, Ill., a Corporation of Delaware. Filed May 26, 1921. Serial No. 472,814. 1 Claim. (Cl. 74-17.)

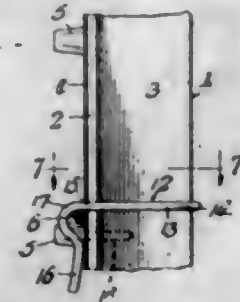


In combination a plurality of piston rods each provided with a channel bearing segment adjacent the inner end thereof, a bearing proper adapted to fit into the said segments when the latter are assembled, the walls of the segments overhanging the said bearing, said segments operating independently upon the said bearing, annular elements encompassing portions of the segments and on opposite sides of the piston rods, and clips detachably connected with the piston rods and engaging the said annular elements for holding the latter in position and with respect to which elements the rods are freely movable independently with respect to each other.

1,510,686. FENCE-WIRE FASTENER. RAYMOND C. KNORKE, Glenellyn, Ill., assignor to Calumet Steel Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1923. Serial No. 643,142. 5 Claims. (Cl. 256-57.)

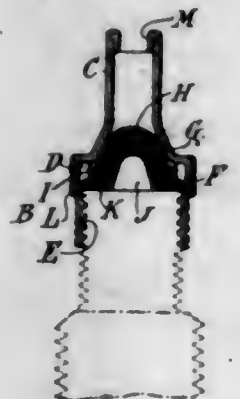
1. A fence wire fastener formed from a single piece of relatively stout bendable wire bent to provide side sections joined at their rear ends, front sections at the outer ends of the side sections and joined thereto by

loop portions, said front sections being transverse to and on one side of the side sections, said loop portions



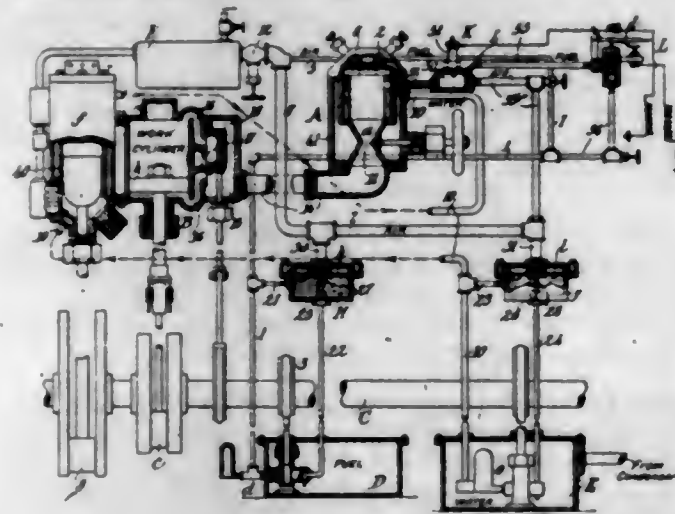
extending outward beyond the front sections where joined therewith to snap over a fence wire on forcing the front sections downward across the same.

1,510,687. VALVE CAP. HENRY PHILLIP KRAFT, Ridge-wood, N. J. Filed Dec. 14, 1922. Serial No. 606,893. 3 Claims. (Cl. 152-12.)



1. A valve cap or the like, having a threaded portion adapted to fit on a valve casing, a packing washer above said threaded portion, having a swivelling plate formed with a depending flange encompassing the washer for lateral protection thereof, and the washer having a flange extending laterally beyond the depending flange of the swivelling plate.

1,510,688. POWER PLANT. ALPHONSE LA FON, Se-waren, N. J. Filed July 25, 1918, Serial No. 246,705. Renewed Mar. 1, 1923. 5 Claims. (Cl. 60-44.)



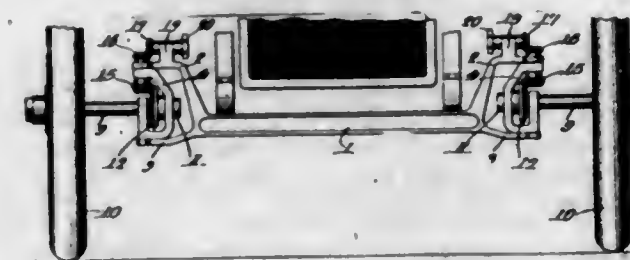
1. A power plant comprising a combustion chamber in which fluid fuel is adapted to be burned, and an igniting device, said igniting device comprising a separate combustion chamber in communication with the first, means for supplying air and fluid fuel to said igniter combustion chamber, a sparking device in said igniter combustion chamber to ignite the combustible mixture in said igniter chamber and communicate the flame to said main combustion chamber, and means for cutting off the supply of combustible fuel to said igniter chamber, the flow of air therethrough continuing, thereby maintaining a low temperature in said igniter chamber.

1,510,689. CURRENT METER. RICHARD G. MANIFOLD, Riverside, Calif., assignor of one-half to Charles O. Poole, Riverside, Calif. Filed June 13, 1922. Serial No. 507,894. 6 Claims. (Cl. 73-107.)



1. A current meter comprising a casing, one end of which is provided with ingress and egress ports, there being an indication at the other end of said casing, and means within said casing between the ingress and egress ports and egress ports for influencing said indicator to indicate the rate of flow of liquid through said ingress and egress ports; said means including a member provided with a spiral flange, a wire joined to the lower end of said last named member and supporting said member, and whereby liquid flowing past the spiral flange tends to rotate the member associated therewith, thereby producing a torque in the wire, the amount of torque produced being a measure of the flow of liquid.

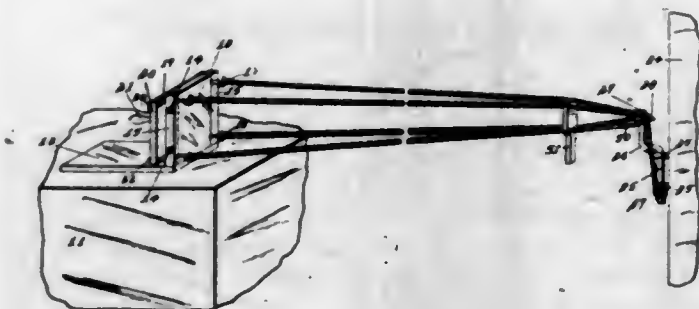
1,510,690. DRIVING AND STEERING MECHANISM FOR VEHICLE WHEELS. HENRY H. MARKER, Cleveland, Ohio. Filed Jan. 20, 1921. Serial No. 438,603. 5 Claims. (Cl. 180-44.)



1. In a wheel driving and steering device, an axle, a steering knuckle thereon, a steering wheel, a steering wheel driving shaft carried by said knuckle and provided with a gear on the side of the axis of said steering knuckle diametrically opposite said steering wheel, a second gear meshing with the latter, a driving shaft mounted in the upper portion of said knuckle concentric with the axis thereof and connected to said second gear, and means for driving said steering wheel in the variable positions of the latter as moved by said steering knuckle, said means including a ratio between said first and second gears equal to the ratio of the radius of said steer-

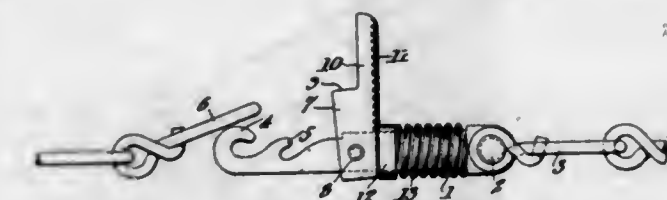
ing wheel to the distance of the plane of the latter to the common axis of said steering knuckle and steering wheel driving shaft.

1,510,691. ROPE-MAKING MACHINE. MARTIN MEYER, Sheffield, Iowa. Filed Dec. 5, 1922. Serial No. 605,020. 3 Claims. (Cl. 117-9.)



1. A rope making machine comprising a horizontal base member, an upright body member secured to one end of said base member, a series of strand twisting hooks in said body portion, each of which is provided with a crank, a rotary head member for said cranks, a handle for said rotary head member, a strand supporting member comprising a pair of eyelets, a supporting rod for said eyelets comprising a vertically arranged portion having at its upper end a horizontal portion and an upwardly extending portion for said horizontal portion, and a detachable pin for the last said upwardly extending portion.

1,510,692. FASTENER FOR ANTISKID CHAINS AND OTHER ARTICLES. AUGUST R. MIELKE, Melvin, Ill. Filed Nov. 11, 1922. Serial No. 600,277. 1 Claim. (Cl. 24-241.)

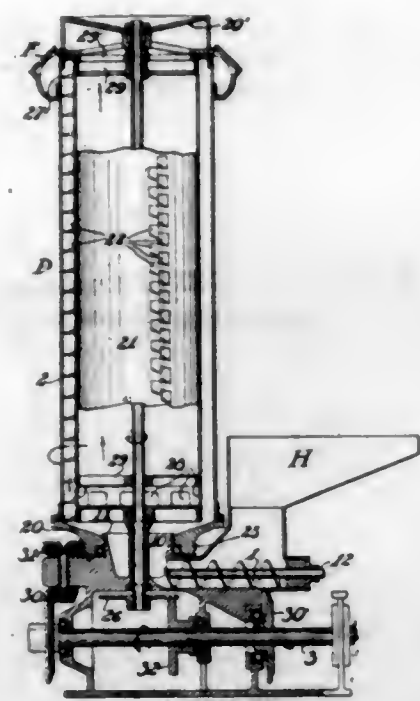


A fastener, comprising a bar with a suitable number of hooks at one end, and means at its other end to assemble it for use with a chain, a latch member pivotally mounted on the bar in the rear of the hooked end and having side portions of substantially the depth of the bar next to its pivotal end and a hook-enclosing portion at its outer end adapted to cover in the hooked end on top and at opposite sides, a sliding sleeve mounted on the bar in the rear of the latch member and adapted to embrace the latch member, and a spring normally impelling the sleeve into such engagement.

1,510,693. PULVERIZED-COAL-BURNING APPARATUS. PAUL C. MULLIGAN, FREDERICK S. BRINTON, and HELMUTH W. SCHMITZ, Seattle, Wash., assignors to Pulverized Coal Equipment Corporation, Seattle, Wash., a Corporation of Washington. Filed Feb. 16, 1921. Serial No. 445,367. 27 Claims. (Cl. 34-9.)

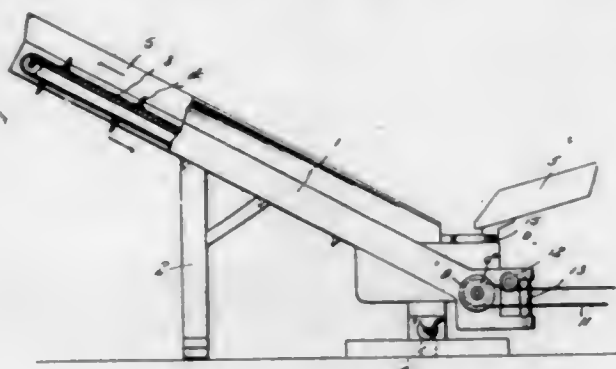
16. A drier for granular material comprising a rotatable drum, inclined feed members rotatable therein at a slower speed and engaging a film of material centrifugally adhering to said drum, and fan blades rotatable

therein in the same direction, at the same speed, and inclined in the same direction as said feed members to



produce a current of drying air over said film of material in a direction counter to the direction of feed thereof.

1,510,694. BLOCK CONVEYER. EDWARD MURRAY, Cloquet, Minn. Filed May 4, 1923. Serial No. 636,560. 1 Claim. (Cl. 198-43.)

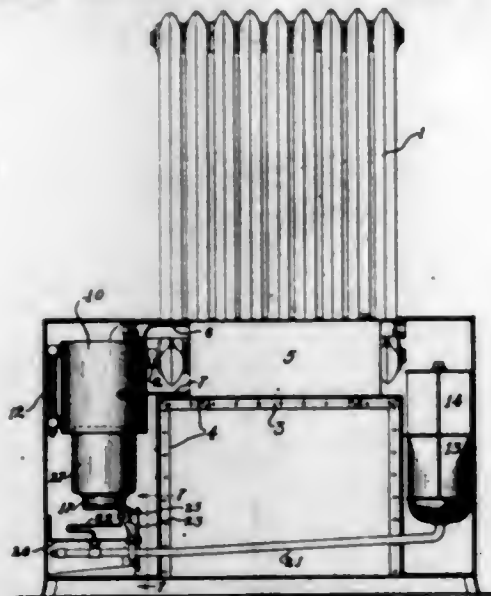


A block conveyor comprising a platform, an inclined conveyor frame pivotally mounted at its lower end upon the platform, a supporting prop attached to the intermediate portion of the conveyor frame and depending therefrom, an arcuate guide mounted at the lower end of the conveyor frame and disposed concentrically with relation to the axis of the pivot upon which the frame is mounted for turning movement, a chute disposed over the arcuate guide and having its bottom inclined downwardly toward the pivot of the frame, a recessed block carried by the under side of the chute, the arcuate guide being slidably received in the recess of said block, a shaft journaled at the lower end of the frame, a belt mounted for orbital movement along the frame and around said shaft, a driving belt trained around said shaft and a guiding roller journaled at the lower end of the frame upon an axis disposed parallel with the axis of said pivot and bearing against the edge of the driving belt.

1,510,695. PORTABLE STEAM HEATER. CLAUD M. MYERS, Chicago, Ill. Filed Nov. 13, 1922. Serial No. 600,780. 3 Claims. (Cl. 237-17.)

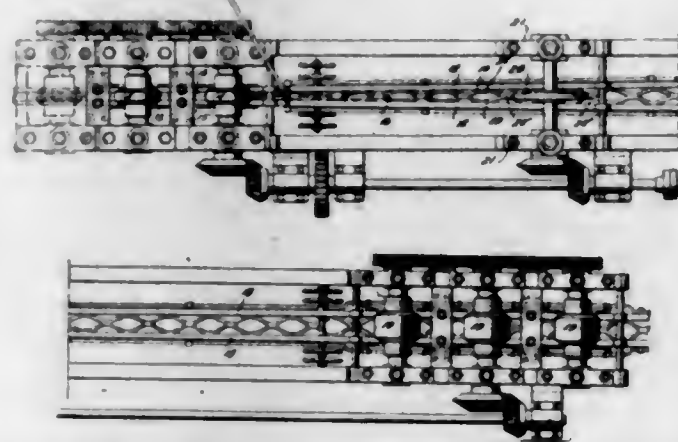
1. A portable steam heating apparatus comprising a hydrocarbon burner, a boiler, a radiator, an insulated

jacket for the boiler spaced therefrom to afford waste gas passages thereabout, and outlets for the waste gases



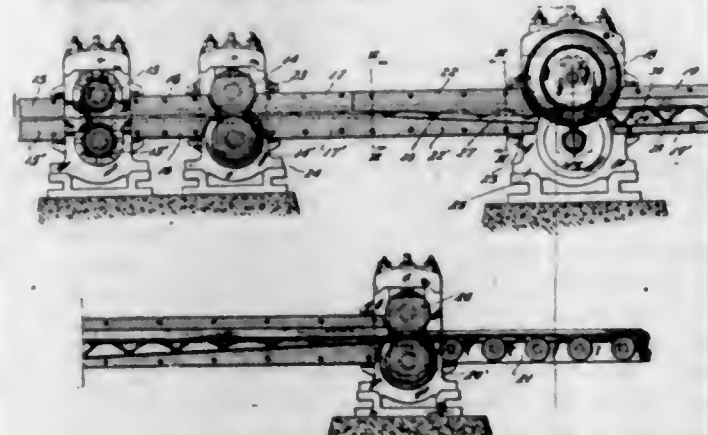
from the boiler jacket adapted to discharge adjacent the lower parts of the radiator to induce a circulation of air thereabout.

1,510,696. STEEL-JOIST MANUFACTURE. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio, assignors, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 27, 1921. Serial No. 524,996. 10 Claims. (Cl. 164-6.6.)



1. The method of expanding the web of a structural shape or the like slit to form bars and bonds, which includes elongating the bars by bodily deflecting intermediate bonds from the plane of the web, and then expanding the web by laterally separating the adjacent bonds.

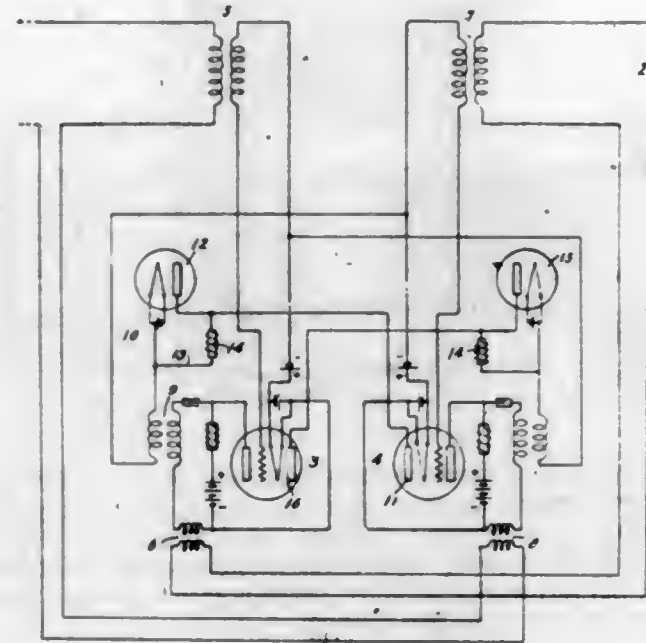
1,510,697. STEEL-JOIST MANUFACTURE. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio, assignors, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1922. Serial No. 537,259. 11 Claims. (Cl. 164-6.6.)



1. Apparatus for expanding the web of a structural shape or the like slit to form bars and bonds, including

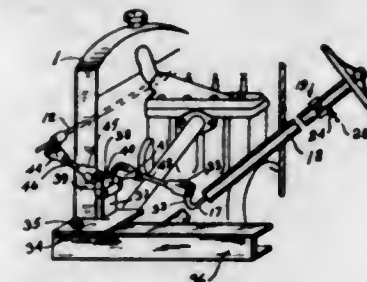
means laterally separating the bonds in the plane of the web to expand the latter initially, means deflecting intermediate bonds from the plane of the web to elongate the bars, and means further separating the adjacent bonds to expand the web fully.

1,510,698. REPEATING METHOD AND SYSTEM. ALEXANDER M. NICOLSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1918. Serial No. 223,221. 27 Claims. (Cl. 179-170.)



1. The combination of two lines, two repeater paths oppositely and permanently connected therebetween, and impedance varying means responsive to the current impressed on said lines for reducing the transmission efficiency of one of said paths.

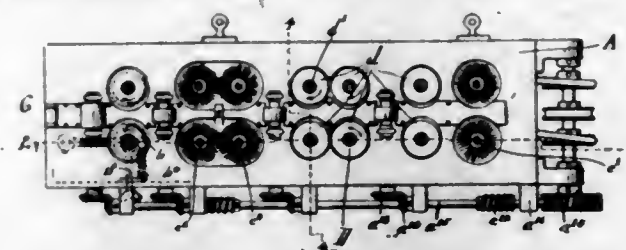
1,510,699. SAFETY HEADLIGHT. THADDEUS PARKER, JAMES C. LAWRENCE, and FRED G. DUNN, Primero, Colo. Filed Feb. 27, 1923. Serial No. 621,532. 1 Claim. (Cl. 240-61.)



A tiltable lamp for automobiles comprising, in combination, a frame; a horizontal shaft rotatably supported by said frame; a lamp secured to each end of said shaft; a support secured to said frame; a U-shaped member pivotally secured to said support; a crank arm secured to said shaft; a link connecting the end of the crank to one side of the U-shaped member, whereby, when the latter is rocked on its pivot, it will oscillate the shaft; a steering post secured to the frame; a rod rotatably connected to the steering post, said rod having its lower end bent at right angles to form a crank; means connecting the last named crank to one side of the U-shaped member, whereby the rotation of the rod will rock the U-shaped member and tilt the lamp; a quadrant secured to the steering post near its upper end, said rod passing through said quadrant, the upper end of the rod being bent at right angles to form a handle; and notches in the edge of the quadrant for holding the rod in adjusted position.

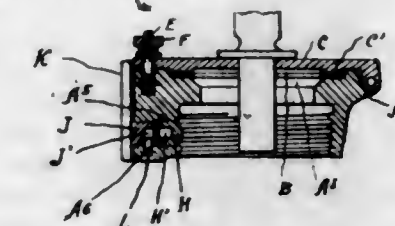
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1,510,700. BELT FINISHER. JAMES D. RANDALL, Cincinnati, Ohio, assignor to The J. D. Randall Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 7, 1921. Serial No. 475,900. 1 Claim. (Cl. 69-17.)



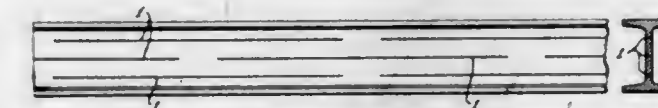
In a belt trimming device the combination of a table having a way formed in it, means to feed belts thru the way, and belt trimming mechanisms extending into the way and comprising a bracket, a bolt vertically adjustable on the table pivotally supporting the bracket, a bracket having a bearing formed on it, a revoluble shaft carried by the bearing, a cutter carried by the revoluble shaft extending into the way, a pin adjustably mounted on the table engaging the bracket for moving the cutter into the way, and a spring extending between the bracket and the table yieldingly resisting movement of the cutter into the way.

1,510,701. RADIATOR CAP DEVICE. MILO D. RATHBUN, Muncie, Ind. Filed Jan. 12, 1923. Serial No. 612,215. 11 Claims. (Cl. 220-24.)



1. A radiator cap device comprising a body-piece adapted to rest on the radiator nozzle and having a cavity in its wall, a tightening means in the cavity operable to fasten the body-piece to the nozzle, a device operable to close the said cavity and to become locked when the cap device is at the upright position, but which device operates to unlock when the position of the radiator is inverted.

1,510,702. PROCESS OF MAKING METALLIC STRUCTURAL ELEMENTS. NORMAN C. RENDLEMAN, Dormont, Pa., assignor, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 13, 1922. Serial No. 536,383. 7 Claims. (Cl. 164-66.)

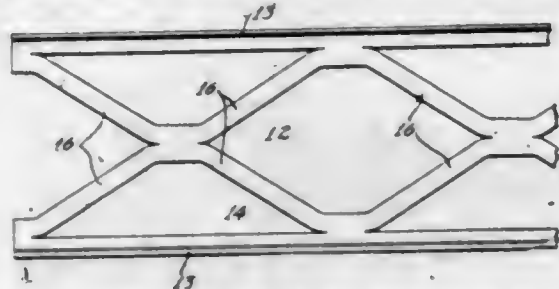


1. The method of fabricating a metallic bar, which comprises slitting the metal of the bar between opposite marginal portions, rolling said slit portion to reduce its cross-sectional area and elongate it with reference to said marginal portion, and spreading the bar by separating said marginal portions without substantial elongation of said slit portions.

1,510,703. PROCESS OF MAKING STRUCTURAL ELEMENTS. NORMAN C. RENDLEMAN, Dormont, Pa., assignor, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1922. Serial No. 542,055. 9 Claims. (Cl. 80-66.)

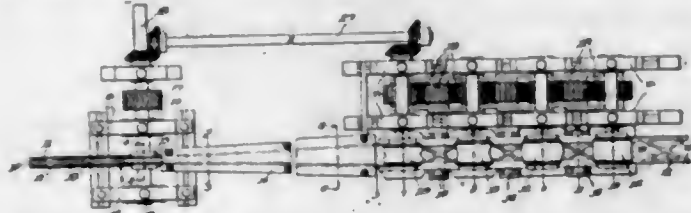
9. The process of making structural elements which comprises slitting the intermediate portion of a suitable shape to form two parallel rows of connecting members joined to each other at adjacent ends and to the margins of the element at opposite ends, rolling said connecting

members to reduce and lengthen them, spreading said connecting members into a lattice of part cylindrical form,



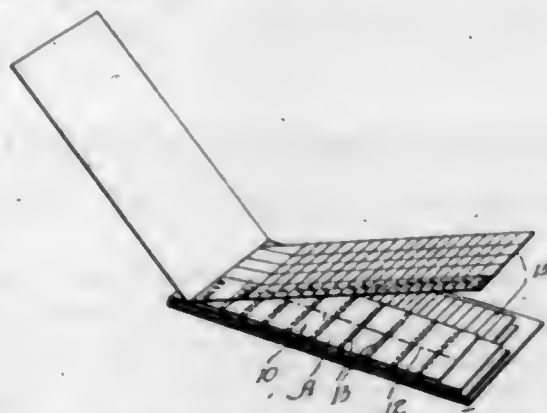
and separating the margins of the element to flatten said lattice and straighten said connecting members to form an open web connecting said margins.

1,510,704. PROCESS AND MACHINE FOR MAKING METALLIC STRUCTURAL ELEMENTS. NORMAN C. RENDLEMAN, Dormont, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1923. Serial No. 680,491. 15 Claims. (Cl. 80-66.)



4. The method of fabricating an open web truss element having integral longitudinal chord and transverse tie members which comprises passing a suitably slitted bar through rolls to reduce and elongate the slitted portion with respect to the bar as a whole, passing the rolled bar through a spreader to separate the longitudinal chord members and open out the transverse tie members, and straightening the tie members by pulling them between sets of rolls having guiding grooves for the flanges and intermediate mating ribs and grooves engaging alternately the upper and under sides of the ties to bow them first one way and then the other, said guiding grooves being successively spaced further apart laterally to widen the element as it passes through.

1,510,705. GOLF TEE. CHARLES A. ROLFE, Redlands, Calif. Filed Jan. 19, 1922. Serial No. 530,320. 1 Claim. (Cl. 46-4.)



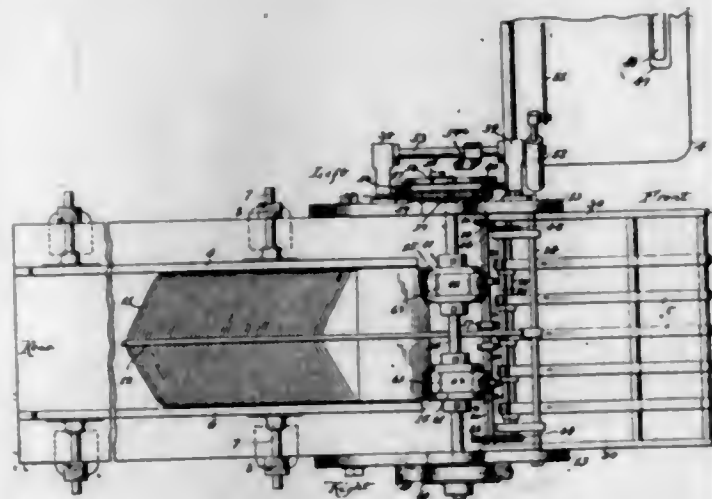
A ball tee, embodying a flattened paper tube with creases at the folded edges of the flattened tube, and other creases intermediate the edge creases, said last mentioned creases tending to cause the flattened tube to open outwardly into a substantially square formation.

1,510,706. PROCESS OF RECLAIMING RUBBER. JOSEPH H. RUSSELL, Naugatuck, Conn., assignor to Rubber Regenerating Company, a Corporation of Indiana. Filed Oct. 27, 1920. Serial No. 419,869. 12 Claims. (Cl. 18-52.)

1. A process of reclaiming rubber comprising treating the rubber with an aqueous solution of an alkaline de-

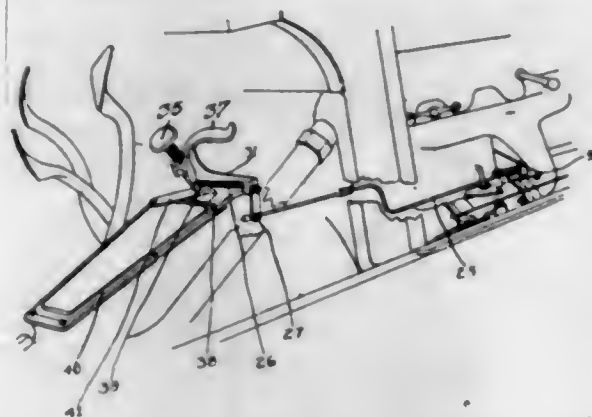
vulcanizing agent and with a ketone capable of swelling the rubber, the process being conducted by heating the mixture in a closed vessel.

1,510,707. INSERTING MACHINE. HERMAN J. SCHULTZ, Chicago, Ill., assignor to W. F. Hall Printing Co., Chicago, Ill., a Corporation of Illinois. Filed July 25, 1921. Serial No. 487,362. 7 Claims. (Cl. 270-55.)



1. An inserting machine for supplying inserted material into open binders as they travel along on the conveying mechanism of a binding machine consisting in a chute positioned thereabove, means for feeding short or long inserts and adjustable to move variable sized inserted material uniformly onto the binders.

1,510,708. ACCELERATOR FOR COMBUSTION ENGINES. WILTON S. SCHUYLER, Cincinnati, Ohio. Filed June 13, 1923. Serial No. 645,043. 6 Claims. (Cl. 74-81.)

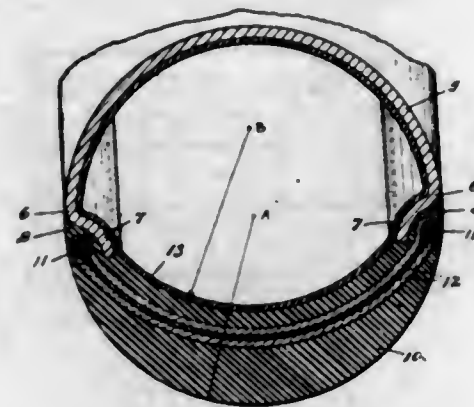


1. In a device of the class described the combination of a plate, a carburetor arm, means for mounting the plate on the arm for movement therewith, a bar carried by the plate, means for transmitting movement from the bar to the plate when the bar is actuated in a given direction, and yielding means permitting independent movement of the plate.

1,510,709. PNEUMATIC TIRE AND RIM CONSTRUCTION. ALVIN H. SHOEMAKER, Seattle, Wash. Filed Mar. 30, 1920. Serial No. 369,960. 2 Claims. (Cl. 152-20.)

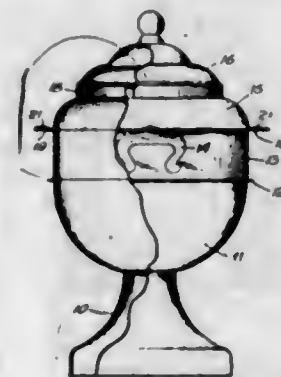
1. A tire and rim construction of the class described embodying a rigid rim having external bead receiving portions, and a tire of pliable material having non-elastic bead rings in the edges thereof and having reinforcing means extending between said bead rings and forming a substantially non-elastic transverse binder but leaving said tire free to expand circumferentially except for said bead rings, said transverse binder, as

considered on any transverse section of the tire, being short enough so that, when the tire is inflated, it will



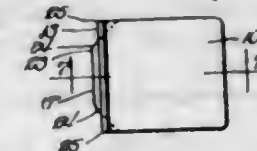
form between said bead portions an arc of less than a semi-circle thereby causing said bead portions to be drawn inwardly against the rim.

1,510,710. SUGAR RECEPTACLE. WILLIAM SPERLING, New York, N. Y., assignor to Rose Silver Company, New York, N. Y., a firm consisting of E. Rosenberg and William Sperling. Filed Feb. 24, 1923. Serial No. 620,865. 1 Claim. (Cl. 65-15.)



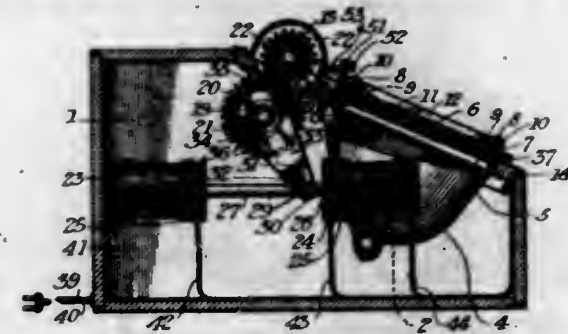
A receptacle comprising a hollow base member, a bowl shaped section supported on and welded to said base member and having its free edge turned outwardly to form a flange, an upright annular band superposed on and soldered to said flange, a handle member attached to said band and adapted to be assembled with said band before the latter is attached to the bowl, and a bezel section comprising a curved midportion terminating at its lower edge in an outwardly projecting flange having a series of cut out portions to receive the narrow portion of spoons, the inner edge of the latter flange being adapted to coincide with the inner edge of the upright band to which the bezel is soldered, the opposite upper free end of the bezel comprising an inverted upright U-shaped collar projecting from the curved portion.

1,510,711. PARING KNIFE. JULIUS STAERK, Chicago, Ill. Filed Feb. 29, 1924. Serial No. 696,042. 2 Claims. (Cl. 30-9.)



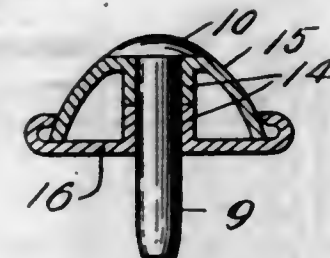
1. A tool of the character described, comprising a curved cover plate and a correspondingly curved under plate; a flexible cutting blade between the plates having a transversely curved cutting edge and means to hold the plates together and to curve the cutting edge of the blade.

1,510,712. PHOTOGRAPHIC-PRINTING MACHINE. DONALD H. STEWART, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 27, 1922. Serial No. 590,506. 14 Claims. (Cl. 95-73.)



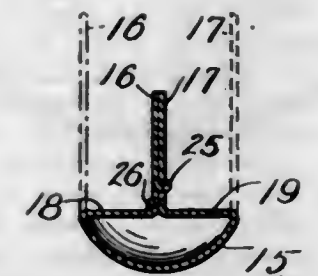
1. In a printing machine having a printing panel and a platen movable thereover, the combination with two platen-moving devices each including a source of power, of one adapted to move the platen to the printing panel and the other adapted to move it from the printing panel, said platen-moving devices having separate controls.

1,510,713. RIVET. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Aug. 20, 1921. Serial No. 493,885. 4 Claims. (Cl. 85-37.)



1. A rivet including a shank part with an enlarged upper end, and a head part having an aperture therethrough and an integral downwardly projecting tubular extension whose bore is throughout of uniform cross section and continuous with the walls of the aperture, the shank having a driven fit in the aperture and tubular extension, and the enlargement of the shank resting upon the top of the head part.

1,510,714. RIVET. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Sept. 28, 1921. Serial No. 503,861. 5 Claims. (Cl. 85-38.)

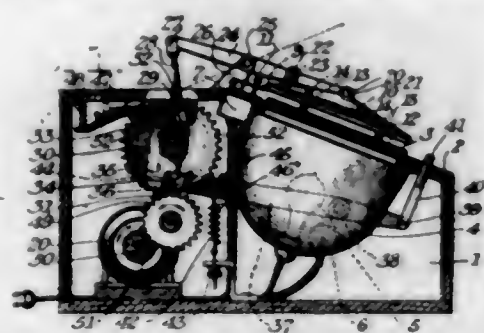


1. A one piece sheet metal fastening having an arched head with prongs having base portions integrally attached at the rim thereof, said base portions extending substantially straight across the concavity of the arch and forming a bridge from which the prongs project and an integral reinforcement between said bridge and the central portion of the arched head.

1,510,715. PHOTOGRAPHIC-PRINTING MACHINE. RAY L. STINCHFIELD, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 14, 1923. Serial No. 632,148. 9 Claims. (Cl. 95-73.)

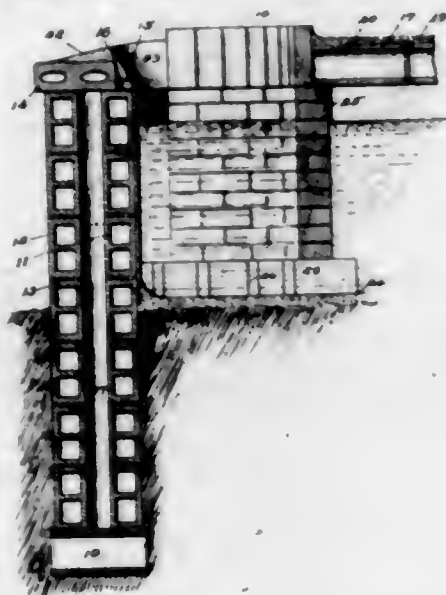
1. A photographic printing machine, comprising a printing panel, a platen movable into printing position

on said panel and removable to clearance position, a continually rotating power element, a transmission system adapted to be connected to said element and receive a definite movement each time it is thus connected, said system being connected to said platen to move the latter to printing position during one of said definite



movements and to permit its removal to clearance position during a subsequent definite movement, a control member the actuations of which are manually governed, and a device which effects connection between said system and power element when said control member is actuated.

1,510,716. WATER TANK. HALVER R. STRAIGHT, Adel, Iowa. Filed June 9, 1920. Serial No. 387,766. 2 Claims. (Cl. 119-72.)

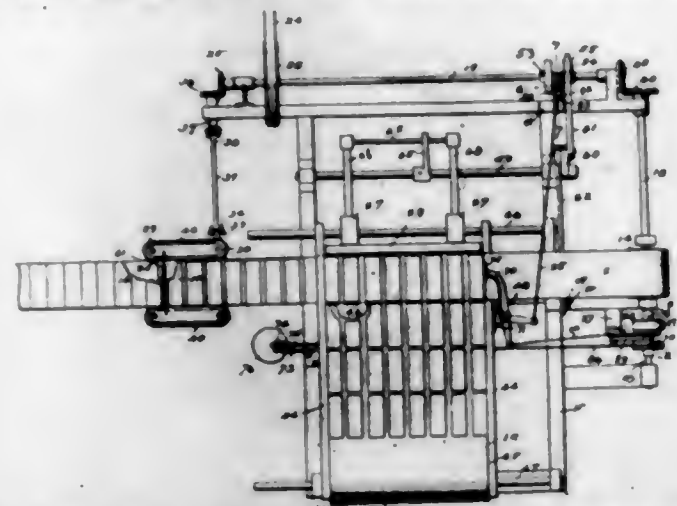


1. A stock watering tank comprising an annular foundation portion having a vertical wall formed of inner and outer members spaced apart, the upper ends of said walls being of substantially the same height, an annular cover member for the tops of said walls formed of a series of radially arranged bricks laid in cement, the outer ends of said bricks extending over the outer face of the outer wall member, while the inner end of said bricks terminates centrally above the top of said inner wall so as to form a shoulder, a cover resting on said shoulder formed of a series of hollow bricks laid in cement, said cover being provided with a drinking opening, the edge of said opening being provided with a series of vertically arranged bricks laid in cement to seal the end of the hollow tile, substantially as described and for the purposes stated.

1,510,717. DEVICE FOR HANDLING PLASTIC BRICK. HALVER R. STRAIGHT, Adel, Iowa. Filed July 6, 1920. Serial No. 394,345. 9 Claims. (Cl. 198-31.)

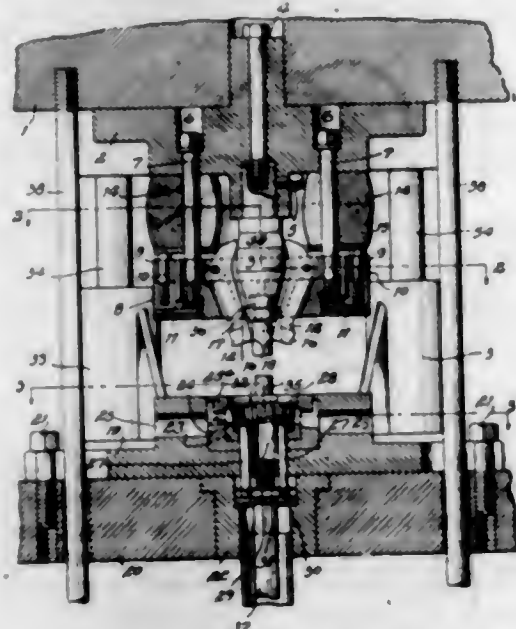
1. The combination of a cutter table having a continuously moving column of adjacent plastic brick, a receiving conveyor, arranged longitudinally with said column, means for driving said receiving conveyor at a speed slightly above that of said column, a conveyor at

each side of said column, designed to engage the sides of said bricks at a point just ahead of the delivery end



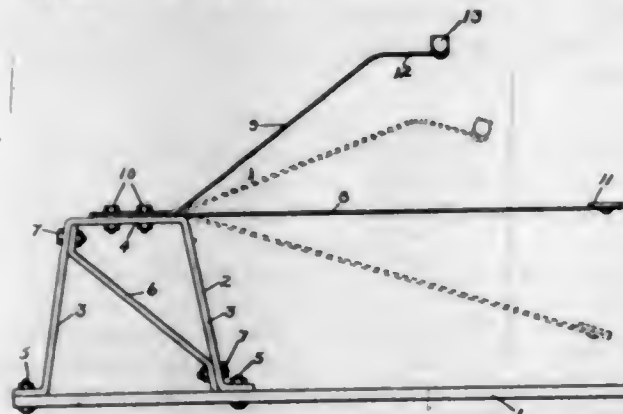
of said table, and means for driving said side conveyors at a speed equal to that of the receiving conveyor.

1,510,718. PRESS. ERNEST G. STRONG, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 7, 1922. Serial No. 586,671. 11 Claims. (Cl. 164-108.)



1. In a device of the kind described, a work support adapted to receive an annular conical body, a plurality of punches arranged in a circular series and means for moving them endwise into said annular body and for swinging them radially outward to operate thereon, said means actuating said punches simultaneously.

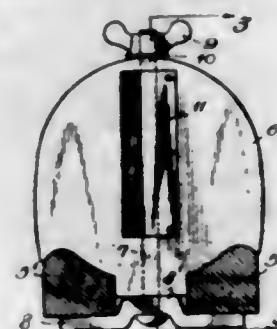
1,510,719. SPRING TESTER. HARVEY M. SYKES, Toledo, Ohio. Filed Jan. 8, 1923. Serial No. 611,235. 2 Claims. (Cl. 46-22.)



1. In a spring tester, a pair of tempered steel springs, a supporting board, means for connecting an end of

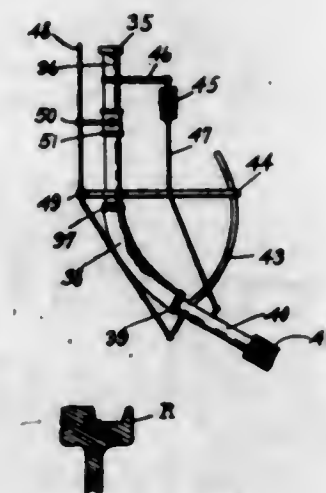
each of the springs to one end of the board, one of the springs for supporting a person well above the board, a seat connected to the last named spring, a handle bar connected to the other of the springs.

1,510,720. BALL STOP FOR BOWLING ALLEYS. ARNOLD R. THOMPSON, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 19, 1920. Serial No. 374,807. 7 Claims. (Cl. 46-66.)



7. The combination with a bowling alley ball rack comprising a pair of separated rails, of a stop block mounted on the rack and shaped at its bottom to fit upon and between the rails, a cross bar arranged beneath the rack and arched between its ends to fit between the rails, and a bolt extending through the block and engaging the arched part of the cross bar to secure the block in adjusted position on the rack.

1,510,721. LUBRICATING DEVICE. MAX A. TIECK, Seattle, Wash. Filed Jan. 17, 1921. Serial No. 437,899. 3 Claims. (Cl. 184-3.)

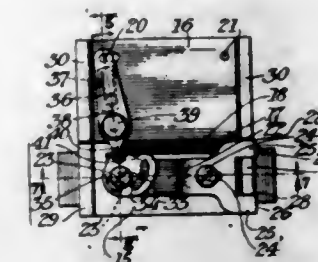


1. A lubricating device comprising a reservoir, a lubricant distributing element communicating therewith, means for normally maintaining said element in an inactive position, a valve for cutting off the supply of lubricant when the said element is in such inactive position, means whereby the lubricating element may be moved to an active position, means connecting the valve and distributing element, whereby movement of the latter will control the operation of the valve, a stationary guide arm and an arcuate arm having one end secured to the distributing element and movable through the guide arm to guide said distributing element during its movement.

1,510,722. LENS CARRIAGE FOR PHOTOGRAPHIC CAMERAS. PHILIP W. TIERNEY and DAVID A. SINE, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,278. 9 Claims. (Cl. 95-46.)

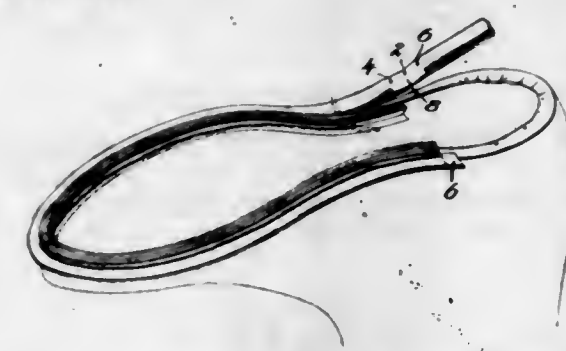
1. In a folding camera having a bed with tracks thereon, the combination with two folding sections forming

a lens carriage, one section carrying a clamp, the other section carrying a clamp-operating grip, of foldable



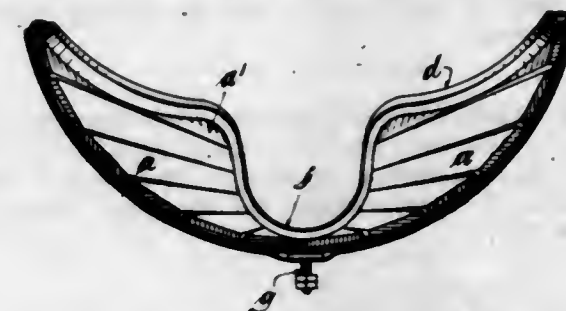
operative connections between the clamp and the grip, said connections folding with the sections upon which they are respectively mounted.

1,510,723. METHOD OF MAKING SHOES. LAURENCE E. TOPHAM, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 11, 1918. Serial No. 221,586. Renewed Feb. 12, 1923. 18 Claims. (Cl. 12-142.)



1. An improvement in the art of making shoes which consists in transversely skiving the welt after the in-seam is partially sewed to form a bevel surface at a point corresponding to the welt end of the finally attached welt, completing the sewing of the in-seam, and severing the welt at the end of the beveled surface.

1,510,724. VEHICLE HEADLAMP. JAMES WADDICOR, Jr., Bolton, England. Filed Jan. 10, 1924. Serial No. 685,404. 2 Claims. (Cl. 240-48.2.)

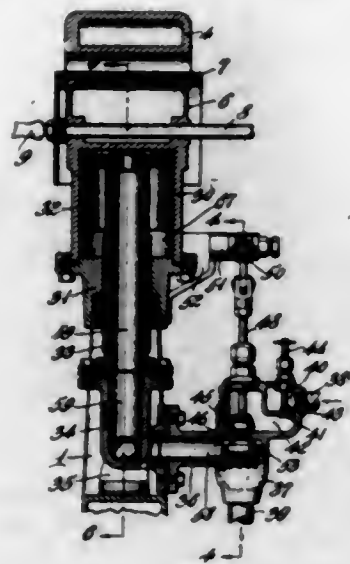


1. Anti-dazzle device for vehicle head lamps comprising a series of tapered strips of opaline glass or the like, a flexible backing upon which the strips are mounted so as to form a segmental lining for the lower part of the lamp, and means for securing the lining in position, substantially as described.

1,510,725. PRESSING MACHINE. CHARLES E. WARREN and ALBERT J. DREHER, Norwood, Ohio, assignors to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Aug. 30, 1919. Serial No. 320,929. 7 Claims. (Cl. 68-9.)

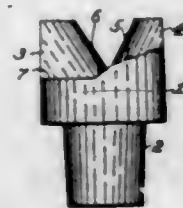
1. A pressing machine, comprising relatively movable pressing members, a stationary piston, a cooperating movable cylinder operatively connected to one of said members, a hollow piston rod through which fluid pres-

sure is supplied to said cylinder and a fluid supply means therefor, said cylinder providing a chamber sur-



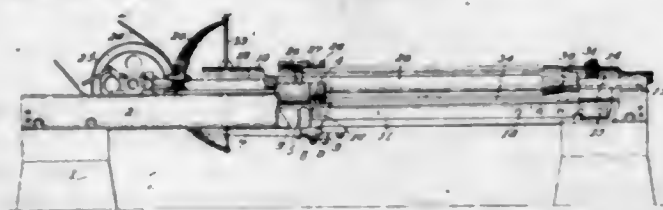
rounding said piston rod for receiving condensed moisture, and means for conducting said moisture away from said chamber.

1,510,726. DRILL-BIT SHAPER AND SHARPENER. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Filed Jan. 2, 1924. Serial No. 684,081. 4 Claims. (Cl. 76-95.)



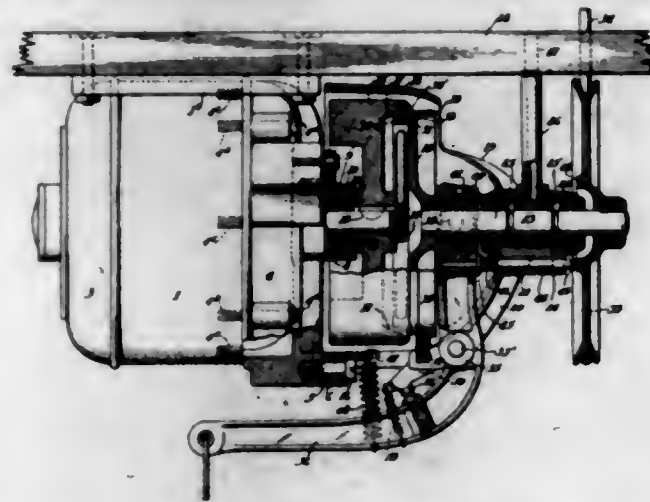
1. A die of the character described having a forming terminal shaped with three flat surfaces, of which a middle surface is inclined to the axis of the die to shape one sloping side of an antelinal cutter, and one of the other surfaces coterminous therewith is inclined at a different angle to the axis to shape an inclined crushing face of said cutter, said die having terminal guide projections.

1,510,727. APPARATUS FOR SHAPING DRILL BITS. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Filed Jan. 2, 1924. Serial No. 684,082. 3 Claims. (Cl. 76-5.)



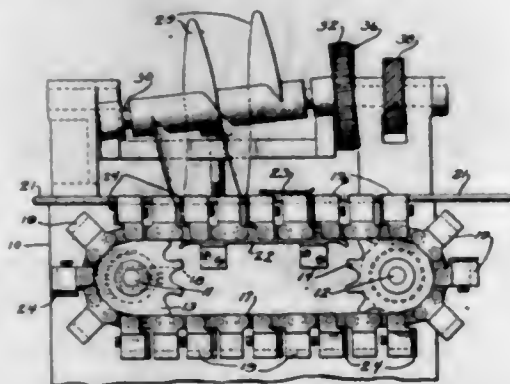
1. An apparatus of the character described, comprising supporting means, a spaced and connected thrust-block and gage-ring carrier mounted for detachable and adjustable support upon said supporting means, a gage-ring detachably connected to said gage-ring carrier, a thrust-cap for detachable engagement with one end of a drill and having engaging-devices thereon, said thrust-block having a plurality of engaging-devices thereon to co-mate with the engaging-devices on said thrust-cap for longitudinal adjustments therebetween, and manually operable means for shifting said connected gage-ring carrier and thrust-block to and fro.

1,510,728. UNITARY MOTOR AND POWER-TRANSMITTER MECHANISM. IRVING F. WENN, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 20, 1922. Serial No. 564,287. 20 Claims. (Cl. 192-17.)



1. A driving mechanism comprising, in combination, a motor having a frame and a power-shaft, a transmitter-frame rigidly assembled with the motor-frame and having a bearing in line with said shaft, a driven-shaft journaled in said bearing and having both its ends extended beyond the latter, a driven clutch member on the driven-shaft at the side of said bearing adjacent the motor, a belt-pulley on the shaft at the opposite side of said bearing, a driving clutch-member connected to the motor-shaft and disposed adjacent the driven clutch-member, and means for establishing driving relation between said clutch-members.

1,510,729. CUTTING MECHANISM FOR CIGARETTE MACHINES. CHARLES EMMETT WEISSNER, Durmid, Va. Filed Apr. 26, 1923. Serial No. 634,808. 7 Claims. (Cl. 131-37.)

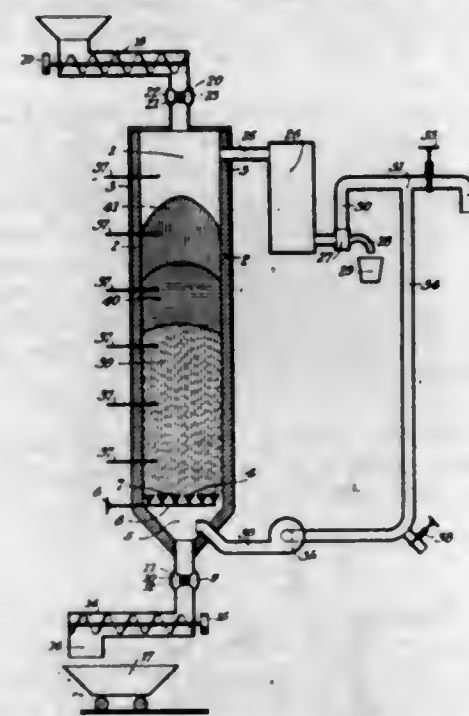


1. In a cutting mechanism for cigarette machines, the combination of an endless carrier comprising a series of grooved links for receiving a continuous cigarette roll, certain of said links having ledger blades, a revoluble helical knife cooperating with said ledger blades and having its axis inclined horizontally and vertically with respect to the travel of the conveyor, the vertical inclination being such that after the knife first engages the roll substantially two rotations of the knife are required to complete the cut, and the horizontal inclination being such that the plane of the knife at its active point is perpendicular to the longitudinal axis of the cigarette.

1,510,730. DESTRUCTIVE-DISTILLATION PROCESS. PERLEY S. WILCOX, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 4, 1922. Serial No. 558,520. 16 Claims. (Cl. 203-6.)

1. The process of distilling wood, which comprises the steps of supplying pieces of wood to a mass of wood in

which an exothermic destructive distillation is proceeding, collecting the charcoal in said mass, and passing inert



gas successively through said charcoal, mass and pieces, the mass being hotter than the charcoal.

1,510,731. LIGHTNING ARRESTER. PEARCE P. WILLIAMS, Nutley, N. J. Filed June 23, 1922. Serial No. 570,283. 3 Claims. (Cl. 175-30.)



1. In an arrester of the character described, terminals including a ground terminal, resistance elements interposed between the ground terminal and one of the remaining terminals and including two paths of electrodes connected, respectively, with said last named terminals and spaced apart, respectively, to provide air gaps, one pair of said electrodes having spark points at the gap and the other pair of said electrodes having spark spheres at the gap and a carborundum element connected with said electrodes and forming an alternative path for static discharge.

1,510,732. TELESCOPE. ANDREW WOLLENSAK, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 17, 1922. Serial No. 601,582. 2 Claims. (Cl. 88-32.)



1. In a telescope, the combination with an outer tube and a relatively sliding inner tube, said parts respectively carrying the elements of a lens system, of a focus indicator on one tube and a threaded sleeve on the other adapted to be set to the indicator.

1,510,733. AMALGAMATOR. JOHN CHANDLER WOOD, Luberton, N. Mex. Filed June 20, 1923. Serial No. 646,605. 3 Claims. (Cl. 83-67.)

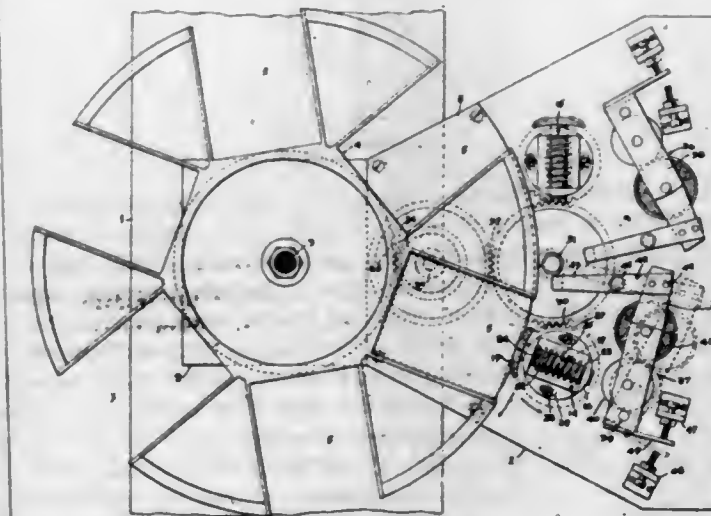
1. In a device of the character described, a trough of substantially U-shaped cross sectional configuration, a stepped plate arranged in the bottom of said trough hav-

ing an upwardly and rearwardly curved semi-circular lower end and an upright baffle plate having rearwardly and downwardly inclined steps and provided with a downwardly and forwardly curved semi-circular lower end



extending into the reversely curved semi-circular lower end of the bottom plate, and means extending transversely through the side walls of the trough for clamping the same against the side edges of the upright baffle plate.

1,510,734. APPARATUS FOR MARKING CANS. JOHN ALBERTOLI, San Francisco, Calif. Filed Mar. 25, 1922. Serial No. 546,841. 18 Claims. (Cl. 101-37.)



1. Apparatus for marking cans comprising in combination with means for conveying cans from a source of supply of cans to stations in a cannery at which stations the cans are to be filled, marking devices for applying differing marks to cans and means for moving the cans into position to be marked by either of the marking devices without arresting the advancement of the cans by said conveying means.

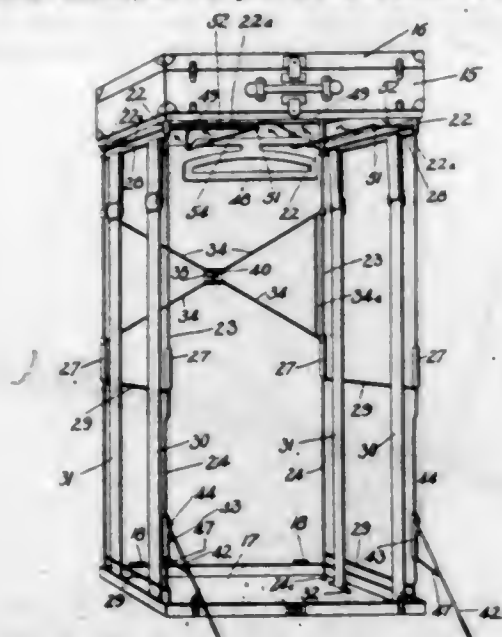
1,510,735. CELLULOSE-ETHER PURIFICATION. RICHARD BAYBUTT, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 31, 1922. Serial No. 598,217. 1 Claim. (Cl. 260-152.)

In the process of obtaining cellulose ethers in purified form from the etherification reaction mass, the step of treating them with an aqueous solution of sulfurous acid.

1,510,736. SUITCASE WARDROBE. WALTER G. BROWN, Los Angeles, Calif. Filed July 21, 1922. Serial No. 576,580. 5 Claims. (Cl. 190-13.)

1. In combination, a suitcase having a removable side portion, and a wardrobe frame connecting the body portion of the suitcase with the removable side portion, said

frame being collapsible so as to be folded within the suitcase, and extendable to provide a wardrobe and to support the suitcase in elevated position and straps connecting the side portion of the suit case to the upper part of the frame.

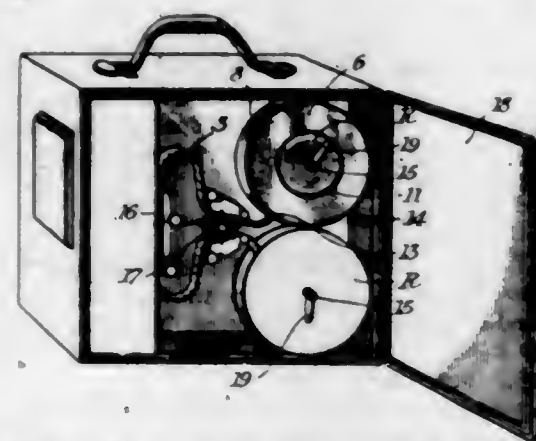


1,510,737. CLOTHES HANGER. HERMANN BUSCH, Kiel, Germany. Filed Jan. 20, 1915. Serial No. 3,412. 4 Claims. (Cl. 211-13.)



1. A garment hanger suspending and handle portion comprising a length of wire formed with a stem portion continued into a hook portion, and from the outer end of the hook portion continuing into a handle portion, and from the handle portion returned to the stem portion and rigidly anchored with respect thereto, to enable the bending resistance of the handle portion to assist in opposing the bending of the hook portion and vice versa.

1,510,738. METHOD OF PROTECTING FILMS AND LOADING SAME IN CAMERAS. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 1, 1923. Serial No. 665,907. 4 Claims. (Cl. 95-5.)

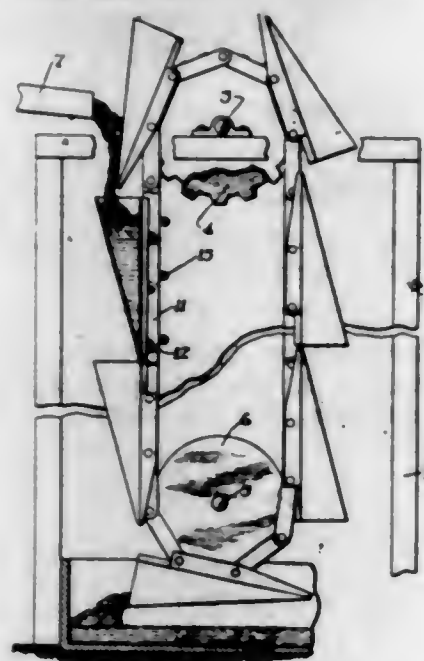


1. The method of protecting a long strip of film from edge fog that comprises the transportation of such film to the camera on a flanged reel in a closed magazine, the removal of a portion of the magazine leaving a portion thereof around the reel in a position to prevent direct light striking the edge of the film, and at once placing the reel and this portion in the camera, threading the film through the camera and then removing the remaining portion of the magazine and at once closing the camera.

1,510,739. PROCESS OF REMOVING WATER FROM NITROCELLULOSE FIBERS. ROBERT W. COOK, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 26, 1923. Serial No. 647,952. 5 Claims. (Cl. 260-148.)

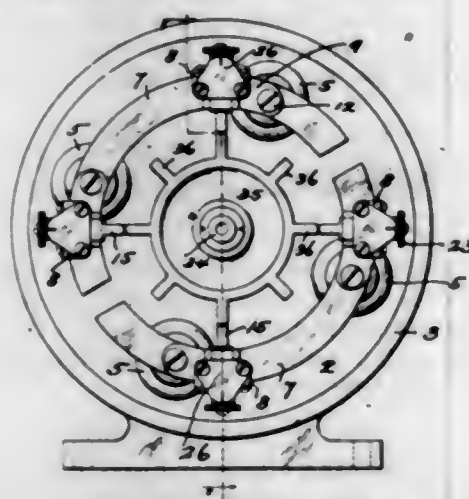
4. The process of treating nitrocellulose fibers which comprises the steps of washing the same, mechanically removing a part of the water, passing into the mass of said wet fibers a mixture of a water-miscible nitrocellulose liquid solvent and water, the proportion of solvent being sufficient to take up more water than that initially present in said mixture, and the proportion of water being sufficient to prevent substantial sticking together of the fibers, and then removing said mixture from said mass as far as practicable.

1,510,740. WATER WHEEL. WILLIAM E. DAMON, Inglewood, Calif. Filed Nov. 24, 1922. Serial No. 602,989. 2 Claims. (Cl. 253-21.)



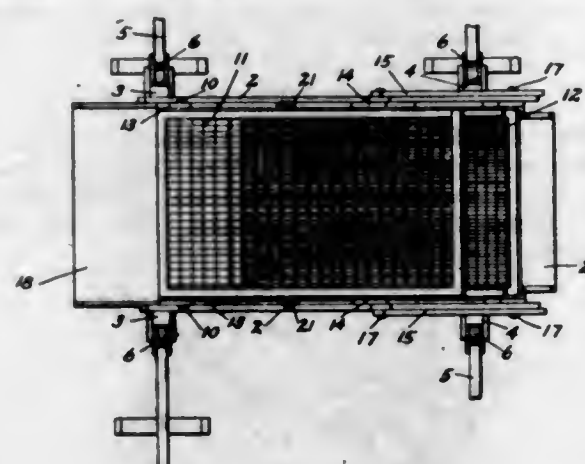
1. A water power wheel comprising a pair of spaced and connected sprocket chains, the links of the chains being transversely connected by pivot rods, and a series of water receiving buckets, each having flanges at its ends thereby secured upon a contiguous pair of the rods, and the back of each bucket having a reinforcing element engaging the said pair of rods.

1,510,741. ROTARY SPARK-GAP APPARATUS. ERNEST G. DANIELSON, San Francisco, Calif., assignor to Gray & Danielson Mfg. Co., San Francisco, Calif., a Copartnership. Filed Oct. 30, 1919. Serial No. 334,604. 7 Claims. (Cl. 250-38.)



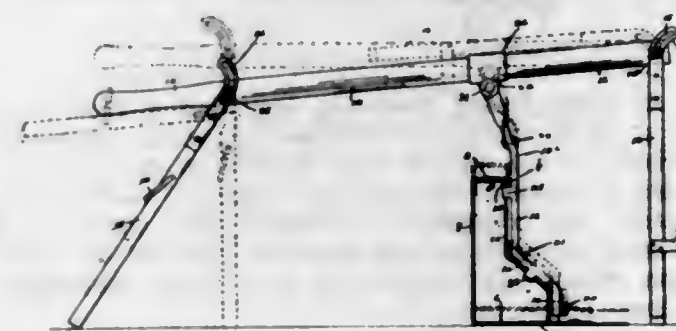
1. A rotary spark gap apparatus, comprising a stationary support, a stationary-electrode supporting member rotatably mounted at its outer portion in said support and a rotary electrode carrier having its journal in said member so that its journal rotates therewith.

1,510,742. SAND AND GRAVEL SCREEN. CHRISTIAN T. GUTLEBEN, Oakland, Calif., assignor to Gutleben Brothers, San Francisco, Calif., a Corporation of California. Filed July 14, 1922. Serial No. 574,903. 3 Claims. (Cl. 83-56.)



1. A screening apparatus comprising a set of substantially vertically arranged planks forming tracks and also forming partitions for rows of segregates along the tracks, and a frame mounted upon and adjustable along the tracks and carrying a plurality of superimposed, vertically spaced screens which are arranged substantially vertically above the trackway formed by the planks, one of the screens operating to reject the oversize and discharge it beyond one of the track planks, and a lower screen having a discharge end for discharging material into the space between the track planks, and a discharge means extending inwardly and upwardly to receive the material passing through the lower screen and for discharging it beyond the other side of the trackway.

1,510,743. JACK FOR CONCRETE FORMS. JOSEPH C. HANSON, Merville, Iowa. Filed Sept. 4, 1923. Serial No. 660,785. 7 Claims. (Cl. 254-131.)

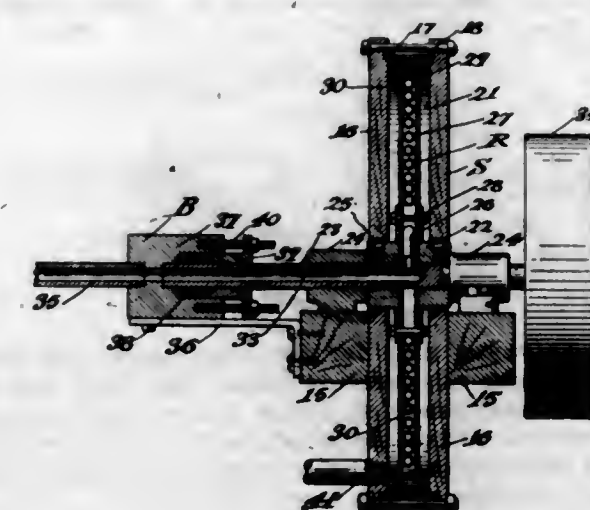


7. A jack for lifting a concrete form pedestal having an upright offset headed supporting plate, comprising a suitable lifting member, a horizontal bolt carried thereby, bars depending from the bolt, elements on the bars for engaging the sides of the plate, a hook on one of the bars engageable under the side edge of the offset portion of the plate, a cross member pivotally interconnecting the lower ends of the bars, the bars being so mounted on the bolt as to permit relative swinging of the bars, one toward and from the other, and a retracting link between the bars.

1,510,744. ROTARY PUMP. FRANK A. GILLESPIE, CHARLES MEYER, and HENRY B. MEADE, Los Angeles, Calif.; said Meyer and said Meade assignors to said Gillespie. Filed Sept. 15, 1922. Serial No. 588,369. 3 Claims. (Cl. 103-55.)

2. A rotary pump comprising a stator including separable sections each of the sections comprising spaced plates, a connecting member between the plates, and a rotor including a hub, flanges formed on the hub, plates secured to the flanges and a coil of pipe between the

plates with an inlet end disposed at the periphery of the coil and a discharge end at the axis of the coil, and



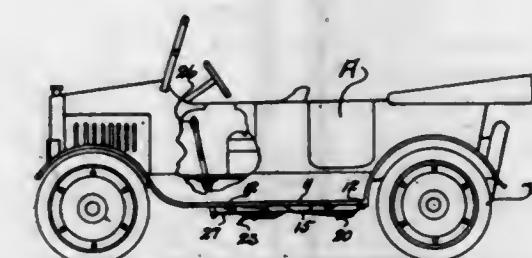
a shaft fixed to the hub and having a duct formed therein which is in communication with the discharge end of said pipe.

1,510,745. BRIQUETTE AND METHOD OF MAKING. SAME. ALONZO B. MONTGOMERY, Lakewood, Ohio. Filed Nov. 17, 1920. Serial No. 424,578. 5 Claims. (Cl. 29-180.)



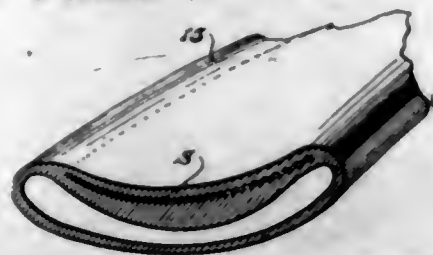
1. The method of forming a highly compressed article of normally non-adhering material which comprises subjecting a quantity of said material in a molding chamber to the action of a plunger of long effective stroke, adding material to the original material already compressed, subjecting the same to the action of a plunger of slightly lesser length of working stroke, then subjecting the body so formed to the action of a plunger of greater length of working stroke and having a convex face centrally thereof, and finally subjecting the body to compression between a pair of concave faced plungers to produce extreme superficial compacting of the outer area of said article.

1,510,746. EMERGENCY BRAKE FOR AUTOMOBILES. JAMES W. ORR, Kansas City, Mo. Filed Jan. 9, 1924. Serial No. 685,200. 5 Claims. (Cl. 188-4.)



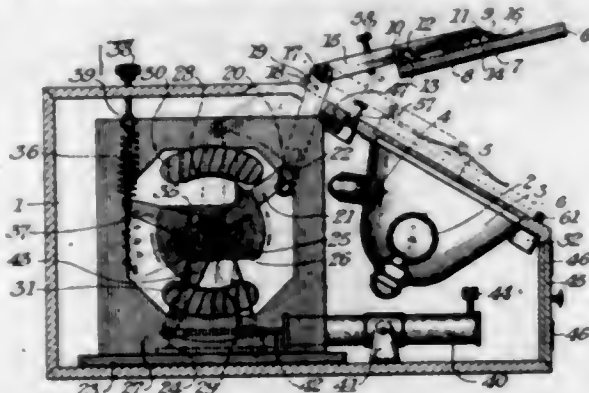
1. An emergency brake for automobiles, comprising a brake shoe, arms carrying said shoe, a slidably mounted yoke carried by the automobile, said arms being pivoted on the yoke, manually operated means adapted to place the brake shoe in operative position, and means adapted to hold said brake shoe in housed position; said first means including a pivotally mounted arm operatively connected to said yoke, and a series of levers connecting said pivotally mounted arm with an operating handle.

1,510,747. INNER TUBE. HENRY C. PRIVETT, Los Angeles, Calif., assignor of one-half to Charles Robert Privett and one-fourth to Morris F. Privett, both of Long Beach, Calif. Filed Mar. 1, 1922. Serial No. 540,163. 3 Claims. (Cl. 152-13.)



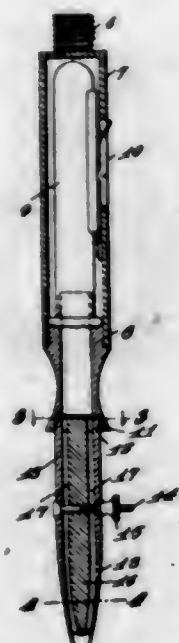
2. A reinforcing strip for the tread portion of inner tubes comprising an elastic material, short and long inelastic members embedded within the material and arranged transversely of the strip, the long members being arranged between the marginal edges of the strip, and the short members at the marginal edges.

1,510,748. AUTOMATIC PHOTOGRAPHIC-PRINTING MACHINE. GERRET REKERS, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 29, 1922. Serial No. 609,745. 10 Claims. (Cl. 95-73.)



1. A photographic printing machine comprising a printing panel, a platen movable into and out of printing position on said panel, and means for moving said platen into and out of said printing position, said means including an electromagnetic source of motive power having an armature turning back and forth through a limited angle and connections between said armature and platen.

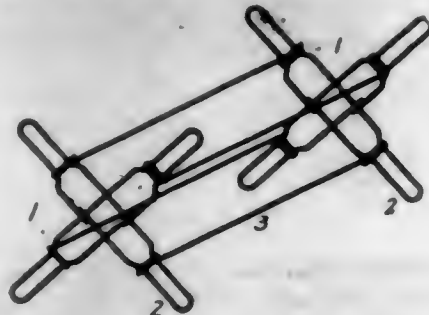
1,510,749. SELF-FILLING PEN FOR DRAWING COMPASSES. MATTHEW ROBERTS, Alden, Iowa. Filed May 27, 1924. Serial No. 716,198. 3 Claims. (Cl. 120-109.5.)



1. The combination with a drawing compass having a short arm, of a tubular housing detachably connected

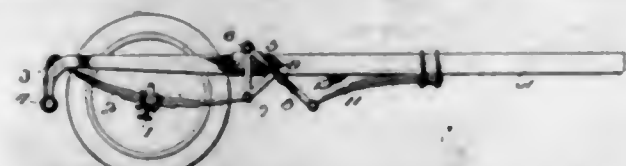
to said arm, a tubular plug closing one end of the housing, a collapsible ink container within the housing and communicating with the plug, bows detachably connected to the plug, a filler between the bows and having longitudinal grooves extending along the bows, said grooves opening into the plug, and means for adjusting the bows relative to each other with the filler between them.

1,510,750. REEL. WILLIAM H. SOMMER, Peoria, Ill., assignor to Keystone Steel & Wire Company, Bartonville, Ill., a Corporation of Illinois. Filed June 28, 1922. Serial No. 571,557. 1 Claim. (Cl. 242-77.)



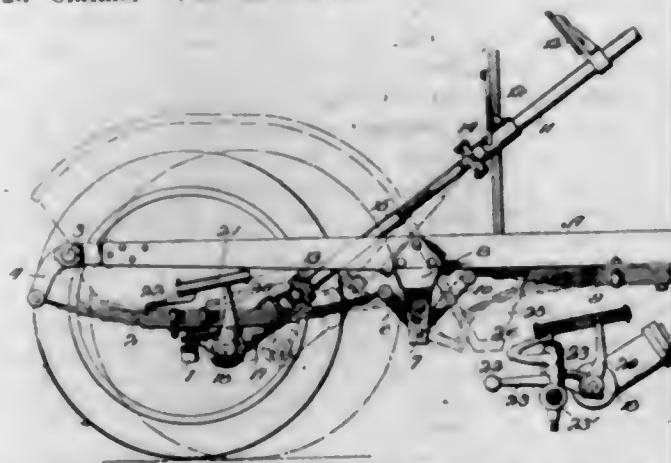
A wire reel including pairs of transversely related end members lap welded to each other, each member formed from a wire bent into an elongated loop with their meeting ends overlapping and intersecting a section of the other member and lap welded thereto and with reduced terminal ends providing shoulders, and rods connecting opposite terminal ends of corresponding end members by loops encircling said terminal ends at their shouldered portions.

1,510,751. SHOCK-SPRING MOUNTING. ROLLAND S. TROTT, Denver, Colo. Filed Mar. 19, 1915. Serial No. 15,608. 17 Claims. (Cl. 267-19.)



1. A shock spring mounting including a frame, an axle, a shock spring for resiliently opposing horizontal movement of the axle, a lever pivoted on the frame, a member attached to the axle and pivotally connected to the lever, and a toggle-link connecting the shock-spring and lever normally in line with the pivot of the lever on the frame, and arranged so as to resist horizontal movement of the axle.

1,510,752. SPRING SUSPENSION. ROLLAND S. TROTT, Denver, Colo. Filed Feb. 29, 1916. Serial No. 81,110. 23 Claims. (Cl. 267-19.)



1. A shock spring frame mounting for vehicles comprising a frame, an axle movable horizontally, a tension link, a compression link, both links normally swung forward of their central position, a load spring con-

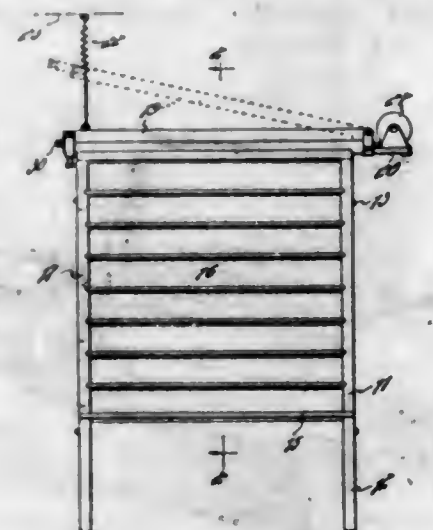
necting the axle to the links, a shock spring under tension but carrying preferably none of the load mounted upon the frame, and means including a link connected to one set of said links for resisting the horizontal movement of the axle.

1,510,753. PERAMBULATOR. CLARENCE H. TWETTEN, Round Lake, Minn. Filed Apr. 28, 1921. Serial No. 465,104. 3 Claims. (Cl. 280-31.)



1. In a perambulator, the combination with a wheeled chassis having springs rising therefrom, transverse supporting bars secured to the springs, the ends of the bars being turned upwardly and provided with clamping means, and a body resting upon said supporting bars and having its sides engageable with said clamping means.

1,510,754. CLOTH HOLDING AND CUTTING RACK. ALBERT M. WALVATSE, Volga, S. Dak. Filed May 14, 1923. Serial No. 638,954. 1 Claim. (Cl. 164-73.)

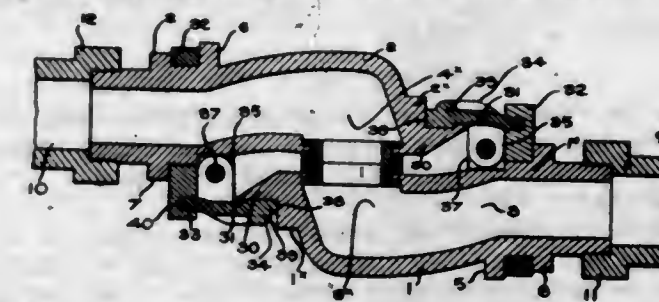


In combination, a display rack of the character described, a clamping device supported upon the rack and including a stationary member and a pivoted member, means for normally holding the pivoted member normally spaced from the stationary member and means for holding said members in clamping relation, the confronting faces of said members having aligned grooves, a cutting element movable in said grooves, a coiled spring arranged at one end of the clamping device and connected with the cutting element for normally holding the latter at one end of the device, and means for moving the cutting element against the tension of said spring.

1,510,755. LOCKING DEVICE FOR TRAIN-LINE COUPLINGS. ALBERT EDWARD WEIR and GEORGE WATSON, Toronto, Ontario, Canada. Filed June 19, 1923. Serial No. 646,304. 1 Claim. (Cl. 285-62.)

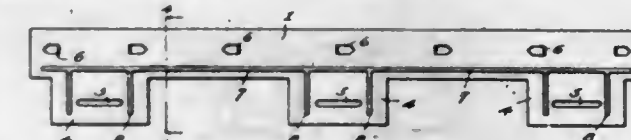
In a locking device for train line couplings, a pair of coupling heads having laterally directed registering orifices, a segmental flange extending outward longitudinally of each head and having an outwardly directed edge rib, a locking lever swung upon each op-

posing coupling member and having a rib connecting the aforesaid rib, a tail piece extending from the locking lever, a cam member rotatable around each coupling



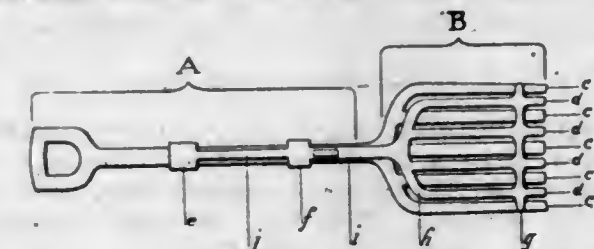
head and having an eccentric cam groove, a cam operating lever, and means for locking the lever to the coupling when swung to a position parallel thereto.

1,510,756. FASTENING DEVICE FOR ROOFING FABRICS. LAWRENCE T. AYRAULT and JOHN AYRAULT, Jr., Tonawanda, N. Y. Filed June 26, 1923. Serial No. 647,846. 9 Claims. (Cl. 108-33.)



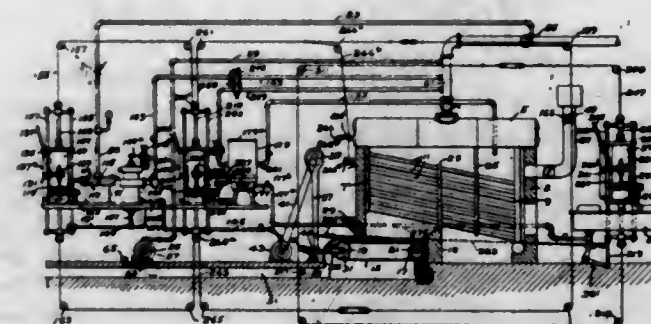
1. Fastening means for roofing and siding fabrics comprising a body member adapted to be interposed between overlapped layers of the said fabric, said body member being transversely arched and having burrs which project upwardly from its convex surface and provide means adapted for securing said body member to an overlying layer of the fabric, and means for securing said arched body member to an underlying fabric support.

1,510,757. COMBINED SHOVEL AND ASH SIFTER. JAY OTIS BALL, Bogota, N. J. Filed May 31, 1924. Serial No. 717,066. 2 Claims. (Cl. 83-60.)



1. The combination with a shovel having a handle and a shovel portion provided with a plurality of spaced prongs, a sifter element formed with a handle portion and prongs adapted to overlie said shovel with the prongs of the sifter element disposed between the prongs of the shovel, webs connecting the prongs of the sifter element, and means for mounting said sifter element on the handle of the shovel to permit movement thereof relative to the shovel.

1,510,758. ART OF REGULATING COMBUSTION OF FUEL. FRANCIS H. BROWN, Glenolden, Pa. Filed Dec. 26, 1919. Serial No. 347,575. 24 Claims. (Cl. 236-14.)



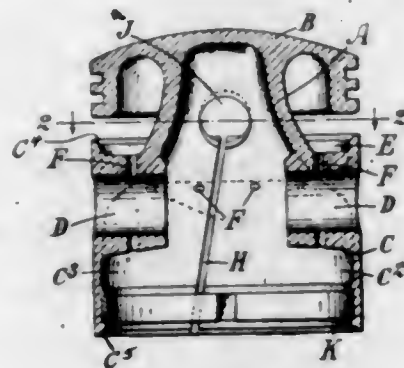
1. A method of regulating combustion of fuel in the furnace of a steam generator, which consists in primarily

regulating the supply of air for promoting combustion of fuel by and in accordance with variations in steam pressure, and modifying such regulation by and in accordance with variations in the composition of the gases of combustion in the furnace.

1,510,759. METHOD OF REFRIGERATION. PAUL H. BUCH and HOWARD M. GROFF, Trenton, N. J. Filed Feb. 6, 1922. Serial No. 534,534. 7 Claims. (Cl. 62-178.)

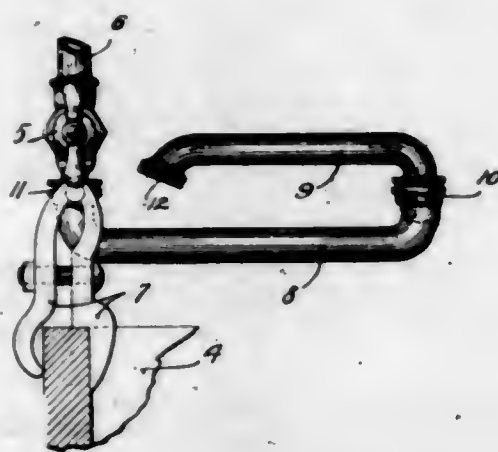
1. The hereindescribed method which consists in expanding into a body of noncongealable liquid a volatile liquid refrigerant of such a character that a lubricating by-product will be formed, compressing, and condensing said expanded refrigerant and repeating the operation in a continuous cycle.

1,510,760. PISTON FOR FLUID-PRESSURE ENGINES. FREDERICK TASKER BURGESS, London, England. Filed July 27, 1923. Serial No. 654,254. 5 Claims. (Cl. 74-108.)



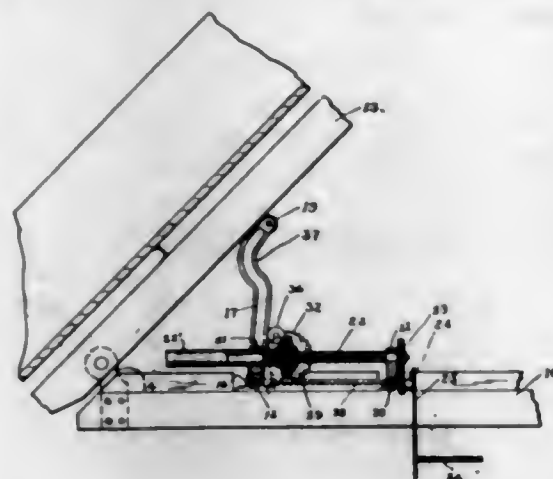
1. In a piston, in combination, a crown, a separate expandible skirt having bosses for the piston pin, inclined webs connecting the crown and the skirt in such a manner that pressure on the crown causes expansion of the skirt.

1,510,761. DOUBLE SWINGING FAUCET NOZZLE. OLOF S. BURMAN, Minneapolis, Minn., assignor to Wolverine Brass Works, Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 19, 1921. Serial No. 523,355. 1 Claim. (Cl. 137-111.)



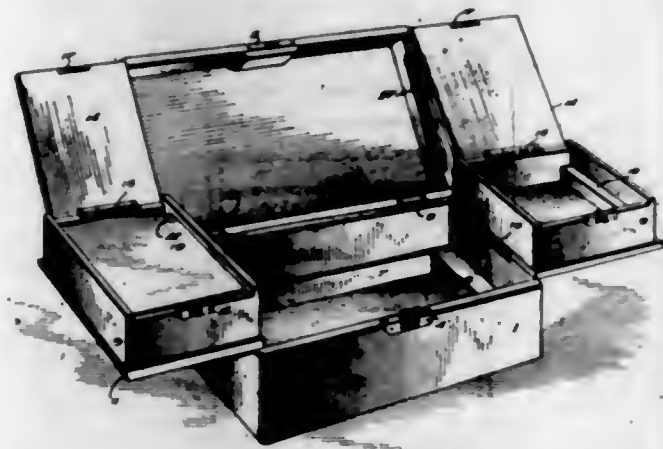
A faucet having a depending nipple and a horizontal swinging nozzle comprising inner and outer sections, the end portions of said inner nozzle section being turned up and the end portions of the outer nozzle section being turned down, the inner end of the inner nozzle section being swivelled to said nipple, and the inner end of the outer nozzle section being swivelled to the outer end of the inner nozzle section, said outer nozzle section being free to make a complete rotation over said inner nozzle section.

1,510,762. DUMP TRUCK. EMIL A. BUSACKER, Milwaukee, Wis. Filed May 6, 1921. Serial No. 467,270. 10 Claims. (Cl. 298-21.)



1. A dump truck comprising a frame, a body pivoted on said frame, a lever pivoted at one end to said frame, said pivotal connection being fixed with relation to said frame, anti-friction means mounted on the other end of said lever and adapted to bear against the under side of said body, and means engaging the outer end portion of said lever and moving towards its pivot in a curved line to raise said lever for the purpose described.

1,510,763. DISPLAY RECEPTACLE. JOSÉ LASTRA CANAL, Habana, Cuba, assignor to Francisco Torres Gener, Jose Torres Gener, and Da Juana Torrest Gener, Habana, Cuba. Filed May 1, 1922. Serial No. 557,714. 2 Claims. (Cl. 206-44.)

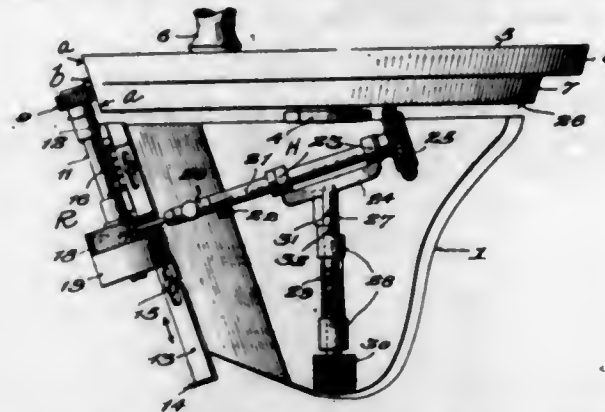


1. A display box comprising a main receptacle, a cover hinged thereto, a plurality of auxiliary receptacles hinged to the inner side of the upper edge of the main receptacle and adapted to be arranged beside said main receptacle when in open position, said auxiliary receptacles being further adapted to be arranged within said main receptacle in an inverted position when closed, the cover being provided with recesses for the reception of the hinges of the auxiliary receptacles, and means for supporting said auxiliary receptacles in closed position.

1,510,764. NEEDLE-REPOINTING DEVICE. DANIEL W. CAUSEY, Norfolk, Va. Filed Oct. 20, 1921. Serial No. 508,983. Renewed Feb. 28, 1924. 13 Claims. (Cl. 81-33.)

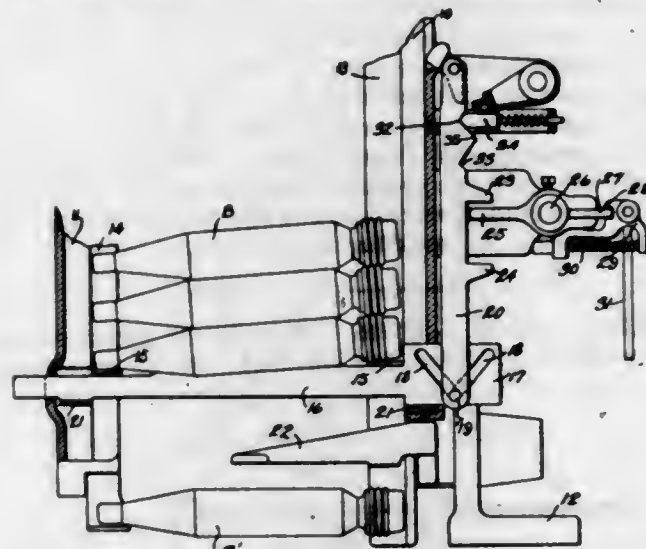
1. A needle sharpening device including a repointing roll, a needle holding device arranged at one side of the roll, a carrier for pivotally supporting said roll, and means for rocking the carrier through arcs of different amplitude.

2. A needle sharpening device including an operating wheel consisting of cams of different radii, a repointing roll adapted to be rotatably driven by either of said



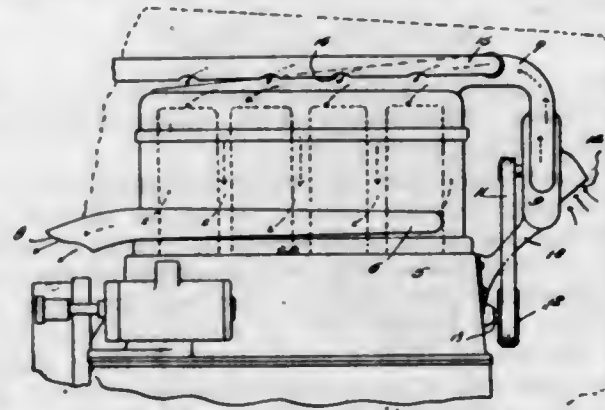
cams and also given a reciprocating motion thereby, and means for supporting a needle to be operated upon by said roll.

1,510,765. BOBBIN-RELEASING DEVICE FOR LOOMS. AUGUSTIN J. CHEVRETE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1922. Serial No. 583,117. 7 Claims. (Cl. 139-245.)



1. In a loom, a weft carrier magazine having a plurality of vertical compartments, a supporting and releasing device for each compartment effective to support the bobbins therein and to release a single bobbin from said compartment for movement to transfer position, said device including bobbin supporting members, means to actuate said members to release a bobbin, and auxiliary means to complete a releasing movement of said members.

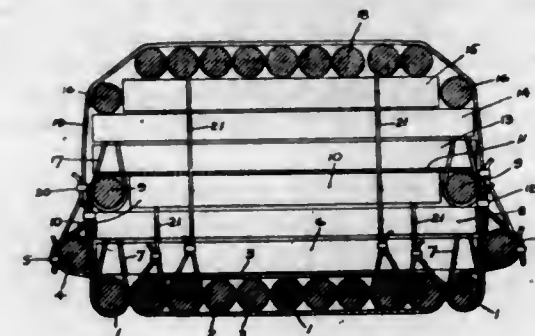
1,510,766. ENGINE COOLER. ARCHIE P. CLARK, Okanagan Center, British Columbia, Canada. Filed Sept. 26, 1923. Serial No. 664,978. 1 Claim. (Cl. 123-171.)



The combination with a multiple cylinder internal combustion engine of a motor vehicle, having the cylinders of

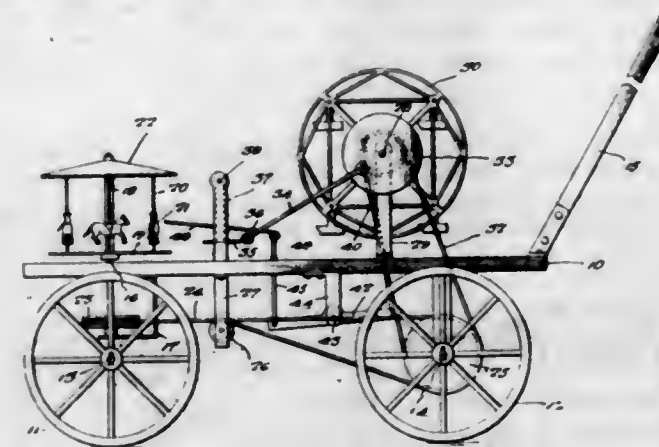
the engine provided with jackets through which a cooling fluid may circulate, a manifold communicating with the tops of the jackets of all of said cylinders, a fan blower rigidly supported at the front end of the engine and having an outlet communicating with said manifold, said fan blower being provided with a front intake, means for facilitating operation of the blower by the engine, an outlet manifold extending rearwardly of the engine and communicating with the bottoms of said jackets, and a branch outlet pipe being formed on the first mentioned manifold and extending rearwardly and longitudinally of and above the cylinders of the engine, and provided with outlet ports on the lower side thereof above each of the cylinders, whereby air is directed downwardly on the tops of the cylinders for providing additional cooling of the upper portions of the cylinders where excessive heat is generated.

1,510,767. LOG RAFT. GILBERT G. DAVIS and MATTHEW J. DAVIS, Vancouver, British Columbia, Canada. Filed May 17, 1923. Serial No. 639,604. Renewed Apr. 22, 1924. 4 Claims. (Cl. 9-16.)



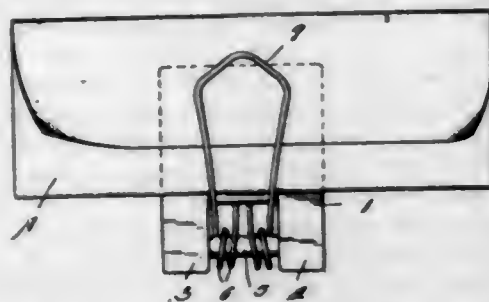
1. In a log raft, a raft floor comprising longitudinally disposed logs and binding means connecting such logs transversely together, a plurality of tiers of transversely disposed logs carried upon the floor, side logs carried upon certain of the spaced apart tiers, transversely disposed logs between said side logs and means for binding said side logs to the tier of transversely disposed logs next above the side logs, and means for binding the several tiers to the raft floor.

1,510,768. AMUSEMENT DEVICE. EDWARD H. DENNING, Wilmington, Del. Filed Oct. 16, 1923. Serial No. 668,893. 2 Claims. (Cl. 46-48.)



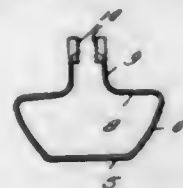
1. In combination, a wheeled platform, a front and rear axle therefor, a duplex pulley carried by one of said axles, an amusement apparatus arranged above the platform and including a vertical shaft, a pulley carried by said shaft, a second amusement apparatus including a horizontal shaft mounted for rotation, a pulley carried by the last mentioned shaft, cables trained over said duplex pulley, and the pulleys of the respective shafts whereby said amusement apparatus are operated when the toy is moved over the surface, and other amusement apparatus mounted on the platform and operated from the last mentioned shaft.

1,510,769. MESSAGE HOLDER. FIRMIN H. DORNER, Cumberland, Md. Filed Dec. 15, 1922. Serial No. 607,052. 1 Claim. (Cl. 258-3.)



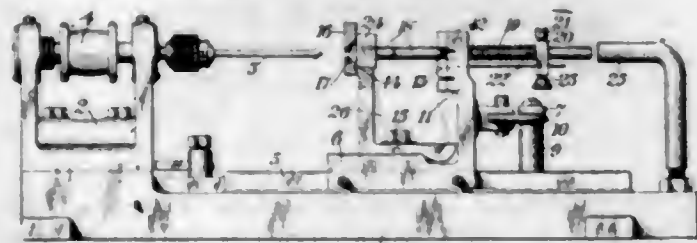
A message throwing clip comprising a parallelepiped body provided with a recess leading in from one edge thereof, a pin disposed transversely across the recess and lying within the perimeter of the body, a spring rod secured at its ends to the body and at the inner wall of the recess and being coiled around the pin, the coils being completely received within the recess and disposed within the perimeter of the body, the said spring rod having an intermediate portion which passes out of the recess adjacent the inner wall thereof and which is disposed against a side face of the body, and a weighting member located interiorly of the body and serving to position the center of gravity of the structure as a whole at the intermediate portion of the body.

1,510,770. WEEDING AND CULTIVATING GARDEN HOE. MATTHEW EDEL, Haverhill, Iowa. Filed Sept. 8, 1923. Serial No. 661,598. 1 Claim. (Cl. 97-69.)



A weeding hoe comprising a strip of metal having an intermediate blade portion with cutting edges at the opposite side edges thereof, the strip having an intermediate part adapted to operate in a horizontal position in the soil and which is extended at its ends into upwardly and outwardly inclined parts, the said cutting edges extending along the said intermediate part and the inclined parts, the upper ends of the inclined parts merging into inwardly disposed sections which lie approximately parallel with the said intermediate part and the said inwardly disposed sections merging into upwardly disposed arms adapted to be applied to the opposite sides of a handle.

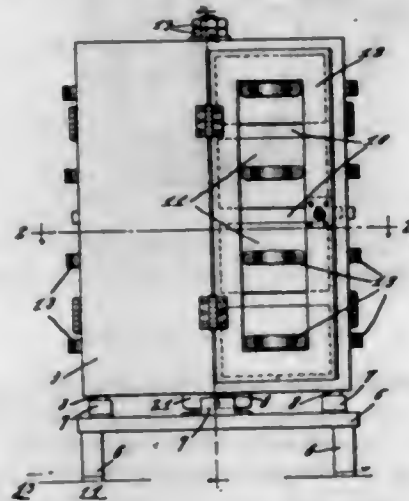
1,510,771. LATHE, DRILL AND LIKE MACHINE. GEORGE WILLIAM ENGLISH, Sheffield, England, assignor to Roper & Wrenks Limited, Sheffield, England, a Body Corporate of England. Filed Nov. 2, 1921. Serial No. 512,349. 6 Claims. (Cl. 77-18.)



1. In a device of the class described, in combination, a rotatable tool; a movable work holder comprising a support, a jaw fixed with respect to the support having a conical recess coaxial with and facing the tool, a rest at the lower edge of said recess, a second rest on the support between the fixed jaw and the tool, means for adjusting the distance between said second rest and the fixed jaw, a second jaw movable with respect to the support disposed between the second rest and the tool and having a

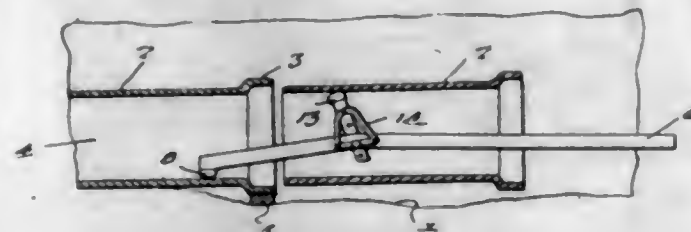
conical recess coaxial with the tool and facing the fixed jaw, means for enabling the tool to enter the recess in the second jaw and means for moving the second jaw with respect to the fixed jaw; and means for moving the work holder toward and away from the tool.

1,510,772. STAMP OR CABINET CASE. THOMAS H. EUBANK, New Bern, N. C. Filed July 8, 1921. Serial No. 482,312. 1 Claim. (Cl. 211-20.)



A revolving cabinet having a plurality of sides, a plurality of drawers insertable in each side, said drawers having handles, and a closure for each side hinged to the cabinet portion and adapted to swing in front of the drawers and be locked in such position to hold the drawers against removal, said closures having elongated rectangular cut out portions providing a clearance to permit the handle to extend therethrough, whereby an operator may grasp the same in revolving the cabinet.

1,510,773. TILE LEVER. THOMAS M. FARNSWORTH, Newark, N. Y. Filed Feb. 26, 1924. Serial No. 695,241. 1 Claim. (Cl. 294-15.)

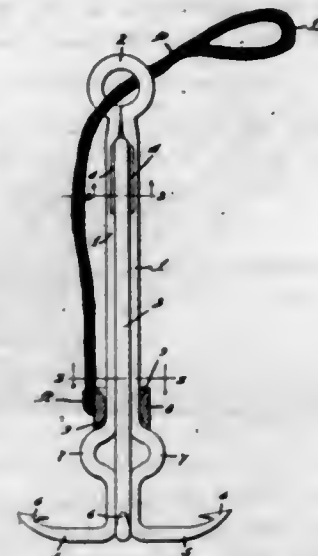


A tile lever comprising, an elongated lever bar having one end portion inclined relative to the major axis of the bar, a fulcrum foot mounted on the end of the inclined portion of said lever bar, a tile engaging head adjustably mounted at the juncture of the inclined portion, with the main body of the lever bar and extending laterally therefrom, and bracing members carried by the lever bar for said tile engaging head adapted to receive means for locking said head in an adjusted position relative to said lever bar.

1,510,774. HOOK. GEORGE FREDERIC GAUTHIER, Big Lake, Wash. Filed Dec. 4, 1922. Serial No. 604,874. 1 Claim. (Cl. 43-36.)

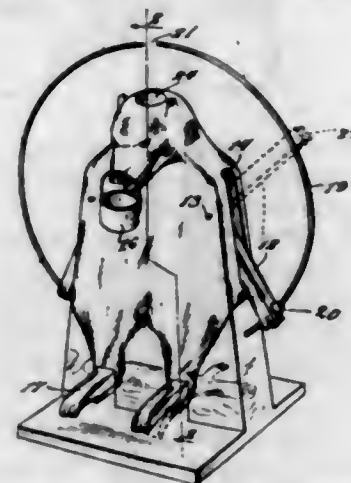
A fish hook comprising outwardly expansible arms connected at their extreme upper ends by an integral upstanding eye, the arms being bowed outwardly at points adjacent to their lower ends to form stops, a third outwardly expansible arm, means for securing the upper end of the third arm to the first specified arms at a point near to the eye, to form a rigid shank, a rider slidable upon the arms and of such diameter as to bring all portions of the arms which lie above and below the stops into contact, when the rider engages the stops, thereby to stiffen the device, fingers at the lower ends of the

arms, the stops being so constructed as to limit the downward movement of the rider absolutely and positively and



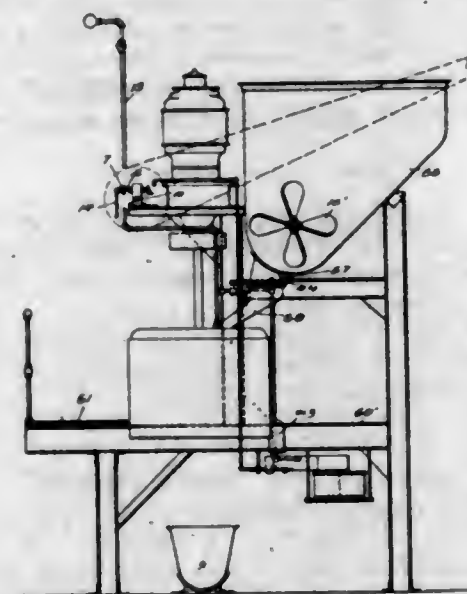
to hold the rider absolutely against engagement with the fingers, and an operating member connected to the rider and slidable in the eye.

1,510,775. GAME OF SKILL. FAITZ GOLDBACH, Dead Moose Lake, Saskatchewan, Canada. Filed June 20, 1923. Serial No. 646,599. 10 Claims. (Cl. 46-5.)



1. A toy comprising a stand, arms pivoted in the stand, an arcuate track on the stand, elements on the extreme ends of said arms slidably engaging said track, a movable member associated with said track and held by gravity in contact with the arms, and means for actuating said arms to start said member along said track.

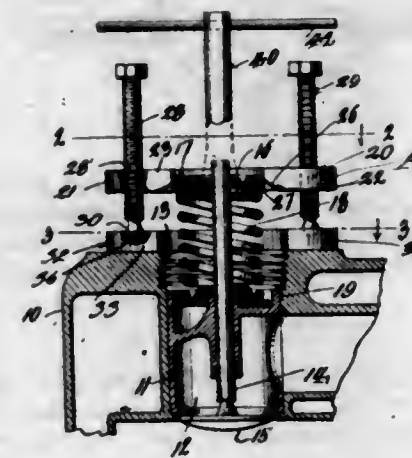
1,510,776. CENTRIFUGAL. ALBERT J. GRAVENBERG, Savannah, Ga. Filed Aug. 26, 1922. Serial No. 584,521. 9 Claims. (Cl. 210-75.)



1. In a centrifugal, a water measuring mechanism, a trough shifting mechanism synchronously operating there-

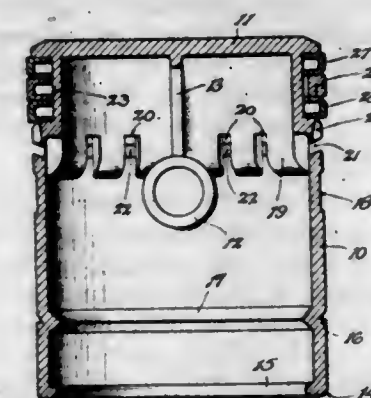
with, and a common actuating mechanism therefor, and a charge gate operating mechanism adapted when actuated to provide for charge of material and further to shift the trough acted on by the trough shifting mechanism to normal position.

1,510,777. VALVE-CAGE REMOVER. JAMES M. HARRUB and HOMER N. TYSON, Honolulu, Territory of Hawaii; said Tyson assignor to said Harrub. Filed Apr. 16, 1923. Serial No. 632,467. 4 Claims. (Cl. 29-86.3.)



1. A valve puller comprising a puller plate embodying end portions and a connecting arcuate body arranged to extend around the valve stem and spring, means carried by the plate for engaging the ordinary valve spring washer, adjustable members carried by the plate adjacent the ends thereof, and bearing means for engaging the lower ends of said adjusting members and the cylinder adjacent to the valve to be pulled.

1,510,778. PISTON. ROY R. HART, Tulare, Calif. Filed Feb. 15, 1922. Serial No. 536,744. 4 Claims. (Cl. 74-108.)

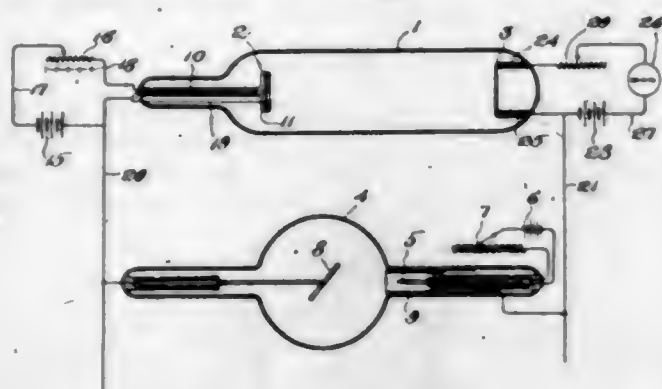


1. A piston including a shell having a ring groove and externally channeled below the ring groove to provide an external oil groove separated from the ring groove by an intervening web extending flush with the peripheral surface of the shell and having a surface slot therein opening through the said surface of the shell and connecting the ring groove with the oil groove.

1,510,779. PROCESS FOR THE PRODUCTION OF PRESSED MASSES, MOLDED ARTICLES, AND THE LIKE FROM COMPOUNDS OF CELLULOSE WITH AN ORGANIC SUBSTANCE. RICHARD HERRMANN, Berlin, Germany, assignor, by mesne assignments, to American Cellulose Company Incorporated, New York, N. Y. Filed Aug. 27, 1921. Serial No. 496,077. 37 Claims. (Cl. 18-51.)

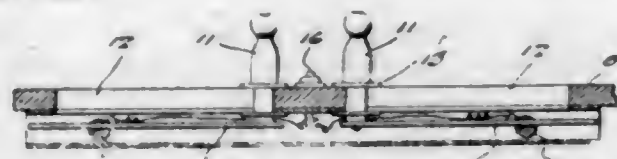
1. The process for the production of an ungelatinized pressed mass, which comprises submitting a compound of cellulose with an organic substance mixed with material including filling substances, in a finely disintegrated state, to heavy pressure at a high temperature.

1,510,780. ELECTRICAL MEASUREMENT. HERRBERT P. HOLLNAGEL, Brookline, Mass. Filed May 8, 1918. Serial No. 233,252. 17 Claims. (Cl. 250-34.)



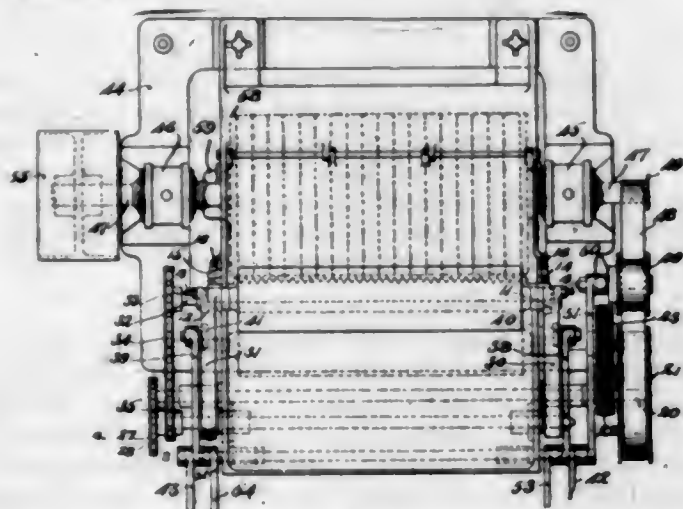
1. The method of measuring electrical potential which comprises producing an electronic discharge proportional to the electrical potential, causing the electronic discharge to effect resistance variations, and measuring such effect.

1,510,781. DIRECTION INDICATOR FOR MOTOR VEHICLES. EMMA HOLWAGER, Madison, Ind. Filed Feb. 13, 1924. Serial No. 692,563. 1 Claim. (Cl. 116-50.)



A direction indicator for automobiles comprising an open ended cylindrical casing, provided in one side at longitudinally spaced points with elongated guide slots, adapted to register with correspondingly disposed slots in an instrument board, a pair of indicators normally disposed within the casing and projectable through the open end thereof, right angularly disposed handles connected to the inner ends of said indicators, said handles extending through the slots in the casing and being adapted to extend through the slots in said board and being provided with shoulders at spaced points, for slidably contacting the board and casing.

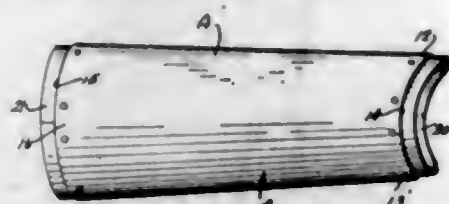
1,510,782. PAPER-PULP SHREDDER. WILLIAM F. HUSSEY, Waterville, Me., assignor to Waterville Iron Works, Waterville, Me., a Corporation of Maine. Filed Jan. 20, 1923. Serial No. 613,852. 24 Claims. (Cl. 92-20.)



1. Apparatus for use in shredding paper stock comprising a fixed cutter having a serrated edge, means for moving the stock to cause its advancing edge to project over the edge of the cutter, and a rotary cylinder provided with a series of knives projecting from its periph-

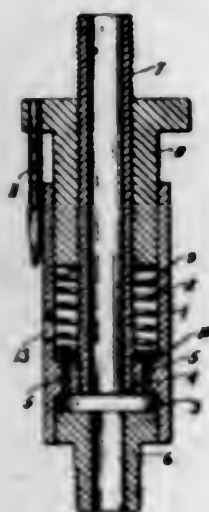
eral surface, said series extending helically along said surface, the several knives of the series co-operating successively with the serrations of the fixed cutter to remove a zig-zag strip from the main body of the stock.

1,510,783. ARM GUARD. CARL L. JOHNSON, Atwater, Minn. Filed Mar. 14, 1923. Serial No. 625,024. 4 Claims. (Cl. 2-2.)



1. A protecting cuff of the class described formed of sheet metal and having downwardly extending protecting lips at the lower end adapted to extend over the outer and inner sides of the hand and wrist of a wearer, the outer lip being of greater length than the inner lip.

1,510,784. PRESSURE GAUGE. CHARLES JOHNSON, Groton, N. Y., assignor of one-half to Charles H. Stearns, Auburn, N. Y. Filed Sept. 13, 1923. Serial No. 662,515. 2 Claims. (Cl. 137-53.)



1. An air gauge comprising a body having a pair of chambers therein and ports connecting the chambers together, a coupling for connecting the lower chamber with a container, a stem passing through the upper chamber and connected with the lower chamber, the upper end of the stem being fitted to receive an air hose, a valve for controlling the ports, an exhaust port in the body above the valve and spring means for holding the valve on its seat until the air pressure in the container reaches a certain point when the air passing through the ports will lift the valve above the exhaust port and escape therefrom.

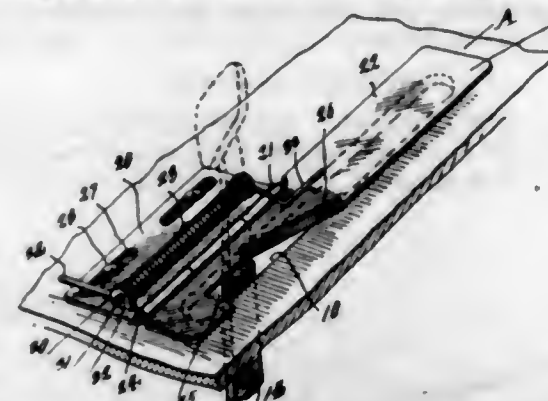
1,510,785. COMPOSITION OF MATTER FOR THE TREATMENT OF PYORRHEA. KEY KAMIYA and TSURUICHI H. WAKINO, Los Angeles, Calif. Filed Aug. 1, 1921. Serial No. 489,154. 1 Claim. (Cl. 167-9.)

A composition of matter for the treatment of pyorrhetic disorders comprising approximately 80% of the juice of ash weed, and 20% alcohol.

1,510,786. AUTOMOBILE ATTACHMENT. JOSEPH RICHARD LE CLAIR, Wyandotte, Mich. Filed July 30, 1923. Serial No. 654,773. 3 Claims. (Cl. 74-81.)

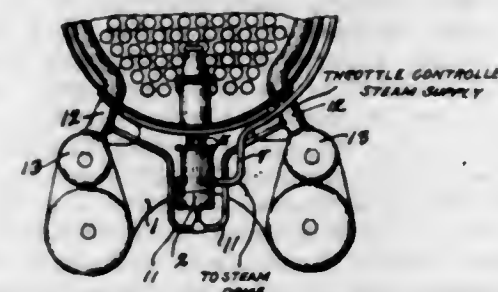
1. The combination with a foot board of an automobile having a plurality of slots therein for the reception of the clutch, reverse and brake foot pedals of an automo-

ble, of means for preventing a draft through the slot including a hinge shutter plate for each plate, an attaching plate carrying the shutter plate, and means for adjustably securing the attaching plate to the floor boards.



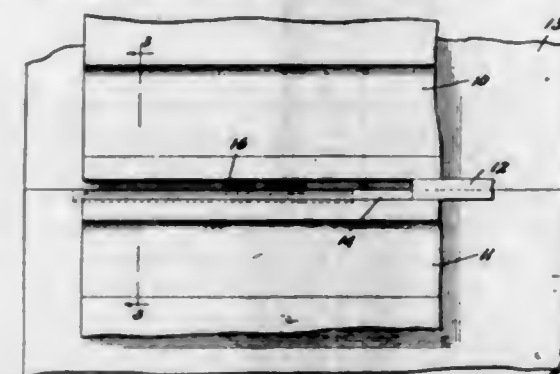
ing plate carrying the shutter plate, and means for adjustably securing the attaching plate to the floor boards.

1,510,787. DRIFTING VALVE. HENRY P. LETART, Waterbury, Conn. Filed Nov. 7, 1919. Serial No. 336,485. 4 Claims. (Cl. 121-137.)



1. A drifting valve for locomotives, including a valve casing open at one end to the atmosphere, a valve member slidable within the casing and having a piston head at each end thereof, a conduit leading from the lower end of the casing to the normal steam supply of the locomotive whereby the pressure thereof acts upon the lower head to hold the valve in a closed position while the suction of the engine cylinder cooperates with the atmospheric pressure on the upper piston head to move the valve into open position when the locomotive is running with the throttle closed, and means controlled by the movements of the valve member for supplying auxiliary steam to the steam chest when the valve is in an open position.

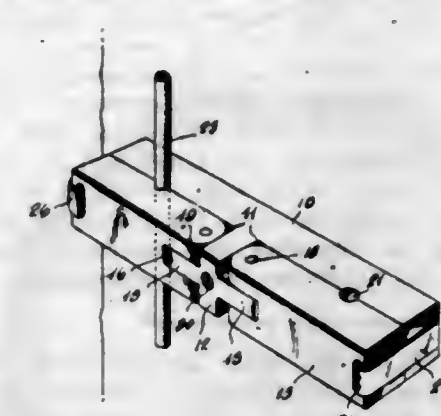
1,510,788. CASTING AND TRIMMING MECHANISM FOR TYPOGRAPHIC MACHINES. FREDERICK W. LETSCH, Baltimore, Md. Filed Mar. 3, 1922. Serial No. 540,819. 8 Claims. (Cl. 199-54.)



1. In a construction of the kind described, in combination, an upper mold jaw and a lower mold jaw arranged to form a mold cavity between the same, a member arranged adjacent said jaws and having a slot through which molten metal is injected into said mold cavity, means movable between said jaws and parallel to the length of said slot for ejecting cast slugs from said mold cavity, one end of said slot being provided with a cutting edge whereby the sprue formed on the slug by said slot will be cut therefrom as the slug is ejected from the mold cavity.

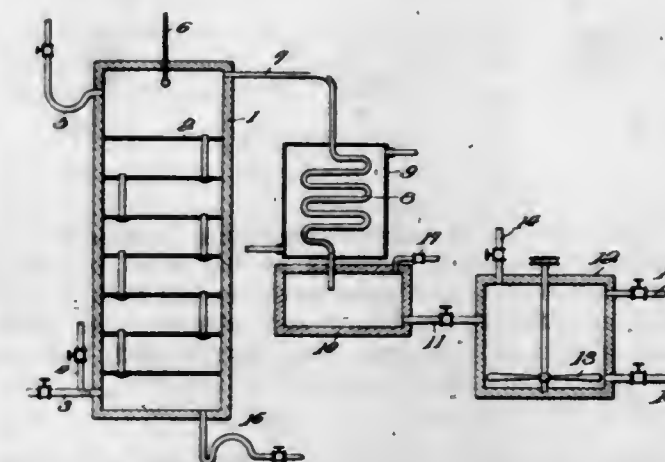
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1,510,789. ELECTRIC-WIRE CLEAT. JOHN LEVANDOSKY, Buchtel, Ohio. Filed Mar. 22, 1923. Serial No. 626,742. 5 Claims. (Cl. 173-312.)



1. In a wiring cleat, a base, jaws pivoted to the base, and spring clips adapted to retain the jaws in their closed position whereby either jaw may be operated independently of the other.

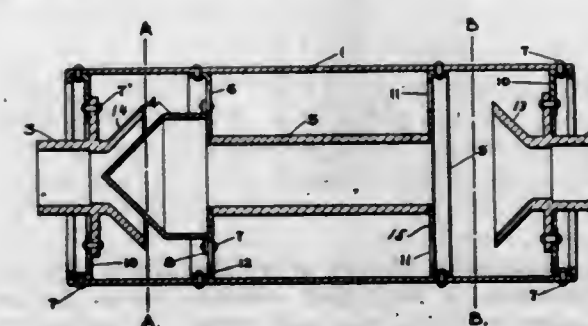
1,510,790. MANUFACTURE OF CHLORHYDRINS. KARL P. MCELROY, Washington, D. C., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Mar. 28, 1918. Serial No. 225,252. 6 Claims. (Cl. 260-157.)



1. The process of making chlorhydrins, which comprises preparing a solution of hypochlorous acid under conditions excluding the presence of substances detrimental to the chlorhydrin-forming reaction, and exposing the solution to the action of a gaseous olefin.

4. The process of making chlorhydrins which comprises treating an aqueous liquid with chlorine at a temperature sufficient to permit vaporization of water vapor and HClO, condensing the water vapor and HClO and treating the solution so formed with an olefinic gas.

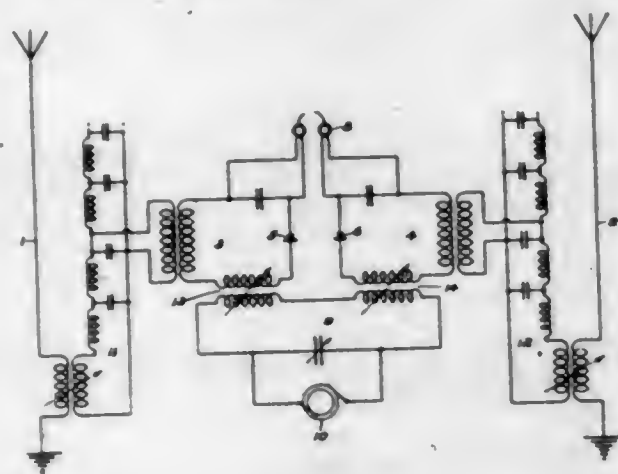
1,510,791. MUFFLER FOR INTERNAL-COMBUSTION ENGINES. LEROY J. MARTEL, Pawtucket, R. I. Filed Aug. 12, 1921. Serial No. 491,860. 1 Claim. (Cl. 137-160.)



In a muffler, a cylindrical body portion, annular heads, each having an outwardly projecting annular flange

riveted to opposite ends of said body portion, funnel-shaped inlet and outlet members riveted to opposite heads with their larger ends positioned within said body portion, spaced annular diaphragms having flanged outer edges positioned within said body portion and riveted thereto, a tubular member centrally connecting said diaphragms, said diaphragms having annularly arranged apertures positioned concentrically with said tubular member and outwardly of the same, and a conically-shaped spreader having radial ears riveted to one of said diaphragms and extending into the funnel-shaped inlet for the purpose of directing the inflowing gases outwardly toward the apertures in one diaphragm.

1,510,792. METHOD OF AND MEANS FOR DETERMINING PHASE DIFFERENCE. ERNEST MERRITT, Ithaca, N. Y. Filed July 1, 1921. Serial No. 481,935. 14 Claims. (Cl. 250-16.)



1. The method of determining phase difference between two alternating currents of the same frequency which consists of heterodyning each current with a third current of different frequency and adjusting the phase of one or both of the first two currents until the two trains of beats are in phase.

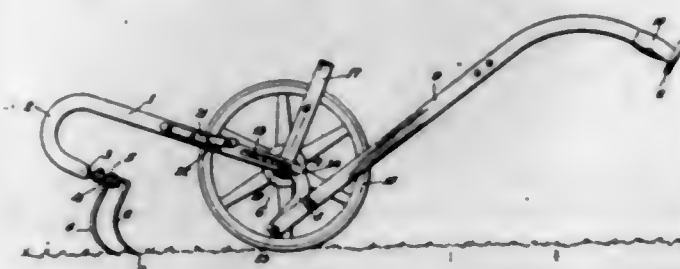
1,510,793. APPARATUS FOR LIQUEFYING AND SEPARATING GAS MIXTURES. RUDOLF MEWES, Berlin, Germany. Filed Mar. 30, 1921. Serial No. 457,000½. 4 Claims. (Cl. 62-122.)



1. An apparatus of the class described, comprising, in combination, a rectifying column, means for introducing compressed gas into said column, a cooling chamber disposed above said column, a gas conduit in communication with the upper end of said column and passing through said chamber, a tension relieving device in

communication with said conduit, and a cooling conduit in the upper end of the column, said cooling conduit communicating at one end with said tension-relieving device and having its delivery end outside of said column.

1,510,794. CULTIVATOR. HENRY W. MORGAN, Johnson City, N. Y. Filed July 8, 1921. Serial No. 483,268. Renewed Mar. 4, 1924. 2 Claims. (Cl. 97-39.)

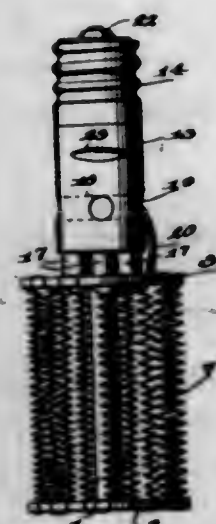


2. In a cultivator, the combination of parallel side beams, ground-engaging members carried by the rear ends of said beams, handles pivoted to the front extremities of said beams, an arched brace disposed between the beams and provided at its lower ends with lateral lips engaging under the beams, an axle disposed between the beams and having its ends extending through the ends of the said arched brace and through the beams, the axle being provided with annular shoulders abutting the said arched brace, a ground wheel fitted rotatably upon the axle at the center thereof, and clamping means fitted upon the outer extremities of the axle and adapted to be turned home against the beams whereby to clamp the beams and the arched brace against the annular shoulders on the axle.

1,510,795. CEMENT PAINT. SPENCER B. NEWBERRY, Cleveland, Ohio, assignor to The Medusa Cement Paint Company, Cleveland, Ohio, a Corporation of Maine. Filed Oct. 29, 1921. Serial No. 511,467. 6 Claims. (Cl. 134-46.)

1. A cement paint base consisting of Portland cement incorporated with boracic acid and a hygroscopic salt.

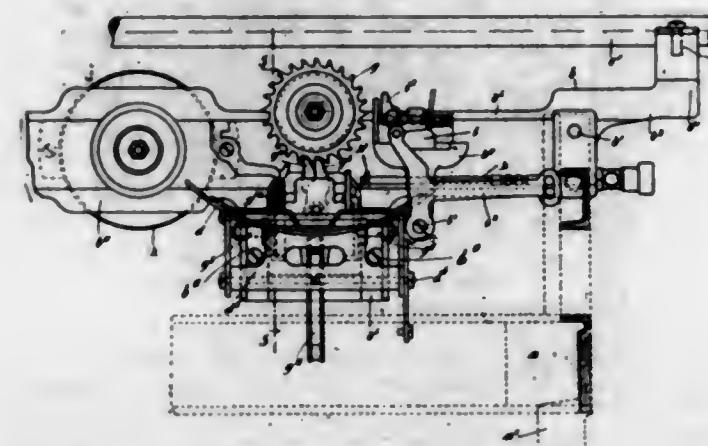
1,510,796. ELECTRIC HEATER. CHARLES EDWIN PATTERSON, Los Angeles, Calif. Filed Oct. 9, 1923. Serial No. 667,571. 6 Claims. (Cl. 219-34.)



1. An electric heater comprising a pair of perforated spaced discs, a rod for connecting and spacing the discs, a resistance element located between the spaced discs and connected to the peripheries of the discs, and a threaded plug adapted to engage a socket, means for connecting the plug to one of the discs, said means comprising

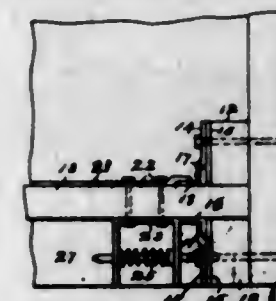
spacing blocks of insulating material positioned between said discs and the end of the plug, and bolts passing through the spacing blocks for locking the plug to said discs.

1,510,797. TYPEWRITING MACHINE. MAX PFAU, Chemnitz, Germany. Filed Jan. 16, 1922. Serial No. 529,616. 11 Claims. (Cl. 197-186.)



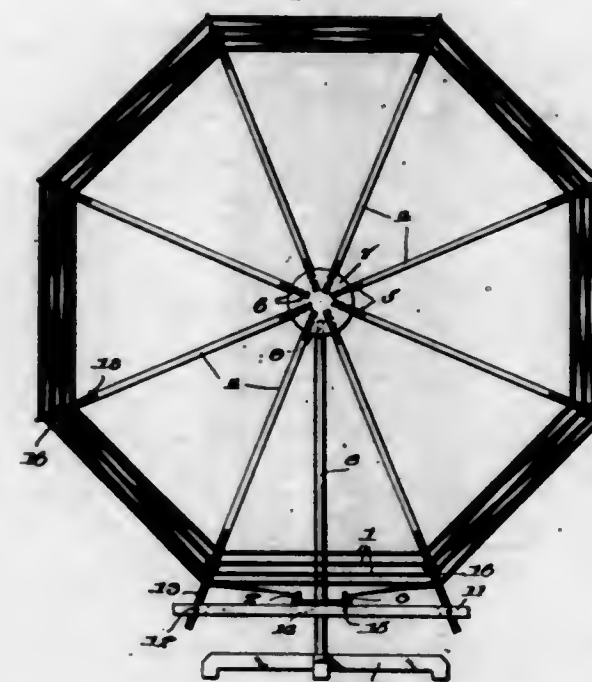
1. In a typewriting machine, the combination, with a main frame section, and a subsidiary frame section removably connected therewith, of the type levers and type lever operating mechanism both mounted on the main section, and the universal bar and escapement mechanism both mounted on the subsidiary frame section.

1,510,798. RODLESS WAGON BOX. LESLIE POE, Cleveland, Miss. Filed July 7, 1922. Serial No. 573,282. 1 Claim. (Cl. 296-52.)



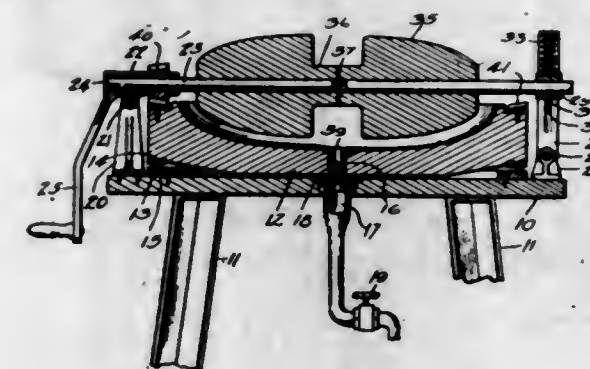
In a wagon box, in combination a wooden end gate, wooden cleats bolted to the wagon box to provide slots in which the ends of the gate are adapted to be received, a female fastener secured to each cleat and comprising a metallic face plate and a metallic backing plate relatively spaced apart along one edge to provide a slot between the plates, a plurality of metallic male fastenings carried by the said end gate for engagement with the said female fastenings of the cleats, said male fastenings respectively comprising a metallic angle plate having engagement in the slot of a female fastener, metallic strips connecting certain of the said angle plates and extending crosswise of the gate from one edge thereof to the other to strengthen the parts against strain, a U-shaped bracket arranged adjacent each end of the gate on the outside of the latter and secured thereto just back of the said angle plates, and a spring pressed plunger supported in the bracket with one end engageable in a socket in a female fastener to lock the gate in place, said plunger having a curved handle end movable into binding engagement with the gate to hold the plunger retracted from the socket.

1,510,799. LOOP AERIAL. JAMES HARRIS ROGER, Hyattsville, Md. Filed July 12, 1923. Serial No. 651,080. 10 Claims. (Cl. 250-33.)



1. An antenna comprising a conductor formed into a multiple turn loop, all the turns of the loop lying substantially in the surface of the polygonal frame.

1,510,800. BUTTER WORKER. WILLIAM E. SAUERMAN, Avoca, Iowa. Filed Nov. 13, 1923. Serial No. 674,579. 3 Claims. (Cl. 31-38.)

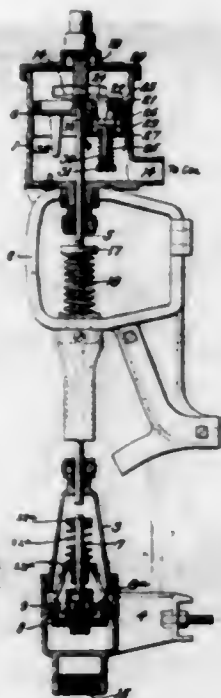


1. In a butter worker, a platform, a rotatably mounted bowl thereon, brackets on said platform, a pivoted journal bearing on one of said brackets, a journal box supporting member pivoted on the other of said brackets, a journal box slidably mounted on said supporting member, a shaft slidably and rotatably mounted in said journal and bearings, a gearing element fixed on said shaft, a coaxing gearing element on said bowl, and a roller on said shaft.

1,510,801. WATER VALVE FOR INSTANTANEOUS WATER HEATERS. CHARLES O. SCHOLZ, Pittsburgh, Pa., assignor to Pittsburgh Water Heater Company, a Corporation of New Jersey. Filed Dec. 16, 1919. Serial No. 345,357. 5 Claims. (Cl. 236-25.)

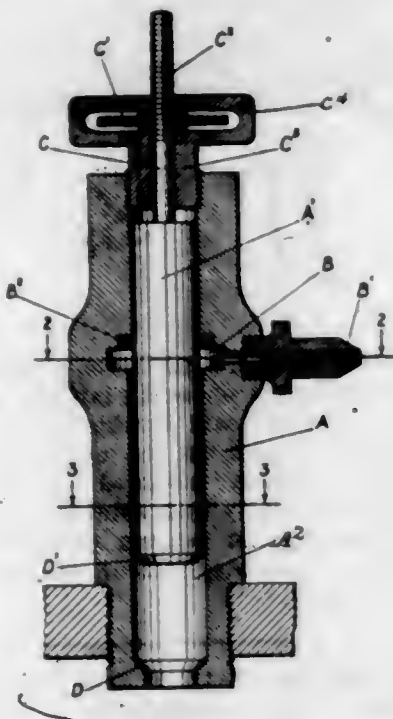
1. In a valve mechanism for an instantaneous water heater, the combination with an apertured water actuated control piston operating in a cylinder having a removable closure affording access thereto, of an open-ended housing removably mounted in the piston aperture, and a movable valve for normally closing said aperture, definitely carried and retained by said housing even when the

latter is removed, and adapted to be opened for passage of water from inlet to outlet side of the piston upon



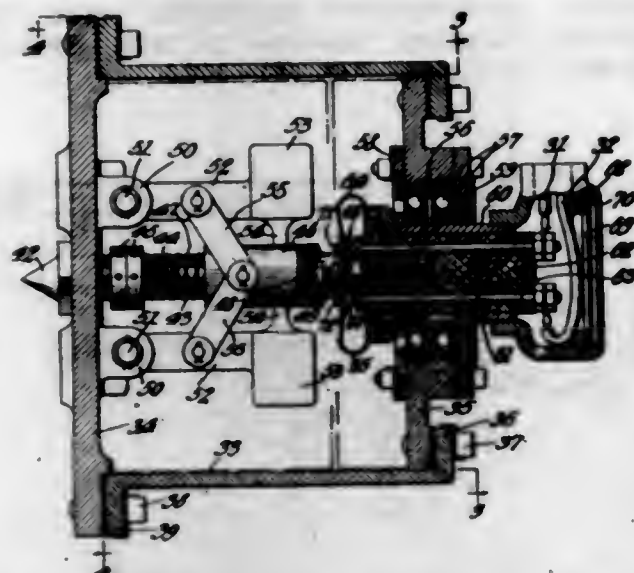
movement thereof; said housing and valve thus constituting an essentially unitary assembly readily replaceable as such without renewal of the piston.

1,510,802. METERING VALVE. PHILIP LANE SCOTT, Three Oaks, Mich., assignor to Super-Diesel Tractor Corporation, Laporte, Ind., a Corporation of New York. Filed Dec. 15, 1919. Serial No. 344,884. 15 Claims. (Cl. 251-20.)



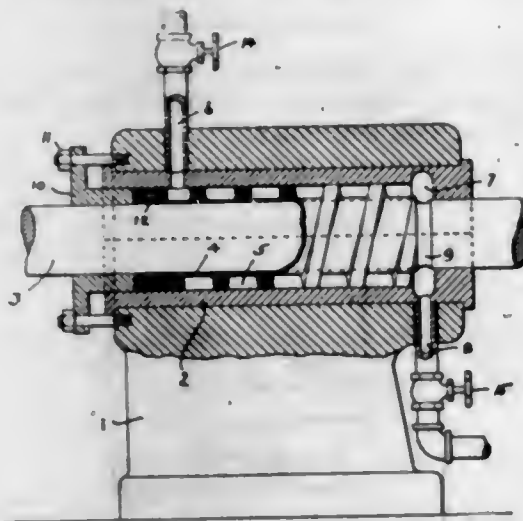
8. The combination with a valve housing having a cylindrical valve seat comprising the interior wall of the valve housing, means slightly spaced from and cooperating with the valve seat and adjustable in position to meter the flow of such fluid and means associated with the metering means for positively cutting off the flow of the fluid, said cut-off means comprising a cut-off valve seat at the end of the metering valve seat adapted to be engaged by the metering means.

1,510,803. SPEED CONTROLLER. ARCHIBALD G. SHAVER, Chicago, Ill., assignor, by mesne assignments, to Regan Safety Devices Company, Incorporated, a Corporation of New York. Filed June 10, 1919. Serial No. 303,191. 42 Claims. (Cl. 246-182.)



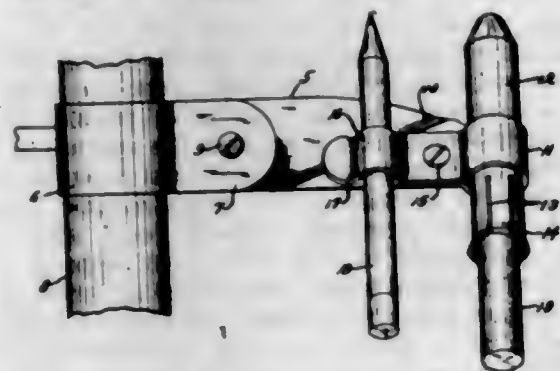
11. In a vehicle or train mechanism, the combination with a wheel of the vehicle, of a centrifugal governor attached to said wheel and carried thereby for rotation therewith and circuit controlling contact mechanism influenced by rotation of said governor.

1,510,804. SHAFT LINING. CHARLES F. SHERWOOD, Mill Valley, Calif. Filed June 23, 1921. Serial No. 479,719. 12 Claims. (Cl. 64-24.)



1. In combination with a shaft, a bushing of elastic material forming a journal on said shaft and adapted to rotate within a bearing.

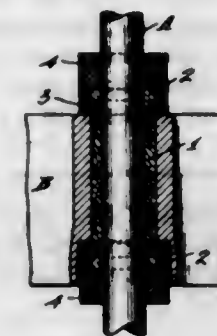
1,510,805. WRITING-UTENSIL HOLDER. IRVING R. SMITH, Wauwatosa, Wis. Filed Jan. 7, 1924. Serial No. 684,896. 4 Claims. (Cl. 24-81.)



1. A device of the class described comprising a metal strip, one end of which is provided with an eye adapted

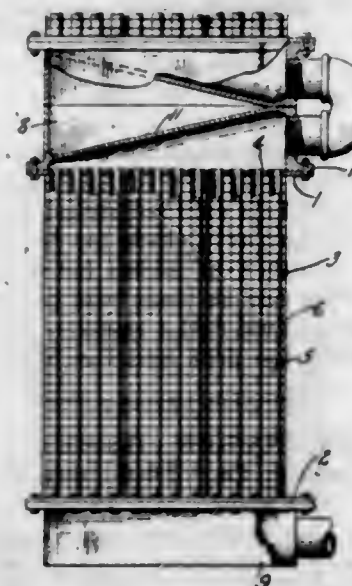
to be clamped to a support, the other end of said strip being provided with a second eye for receiving and holding a fountain pen and with a clip for receiving a pencil.

1,510,806. BEARING PROTECTOR. WALTER D. SNIDER, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 7, 1922. Serial No. 534,720. 3 Claims. (Cl. 64-22.)



1. A new article of manufacture, consisting of a soft rubber protector for shaft bearings of hydraulic apparatus, said protector being so formed as to surround the shaft at the end of the bearing and be held in contact with the shaft by its elastic qualities, and also having means formed thereon which will enable it to be secured to the bearing casing, so as to exclude sand and the like from the bearing surfaces.

1,510,807. RADIATOR. LAWRENCE C. SOULE, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 8, 1920. Serial No. 415,469. 4 Claims. (Cl. 257-154.)

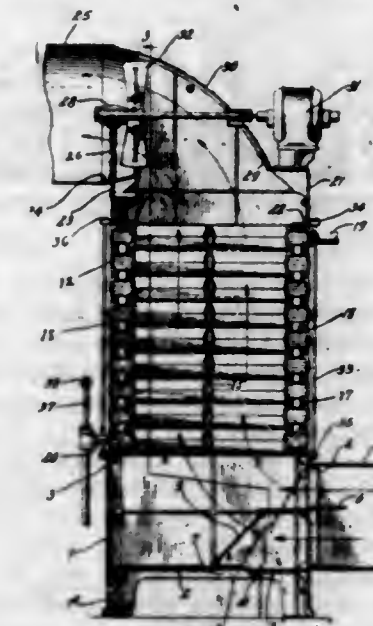


3. An apparatus of the character described comprising a manifold, a plurality of parallel tubes engaging therewith, and a plurality of series of horizontally arranged members disposed in superposed relation, and the members of each series embracing a group of said tubes; flanges at the opposite ends of said members adapted to engage with the surface of the adjacent members whereby to form unbroken side walls and a plurality of horizontal passages intermediate said tubes, substantially as specified.

1,510,808. HEATING UNIT. LAWRENCE C. SOULE, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 8, 1920. Serial No. 415,470. 21 Claims. (Cl. 257-135.)

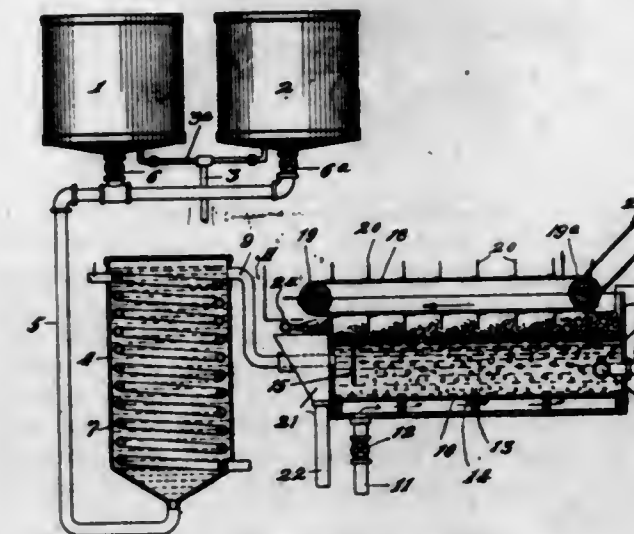
2. In a heating unit, the combination with a hollow base having an air induction port therein, of an air heating flue mounted on said base and comprising a plurality of fluid circulating sections placed one on top of the other, each section comprising hollow side members connected

together by hollow end members and parallel hollow ribs extending between the end members parallel with the side members, the space between one side member and its adjoining rib being greater than the space between the



ribs and the opposite side member and adjacent rib, and the end members having circulating openings therein equidistant from each side member, and a cover surmounting said flue having an air ejection port therein.

1,510,809. METHOD OF LIQUID CLARIFICATION. ERNEST J. SWEETLAND, Montclair, N. J., assignor to United Filters Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 30, 1918. Serial No. 264,794. 2 Claims. (Cl. 127-48.)

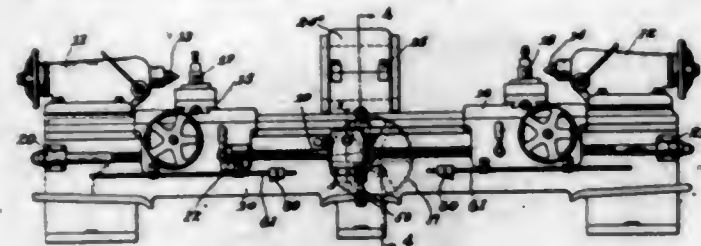


1. The method of defecating sugar syrup which consists in treating the syrup with a defecating agent and heating the mixture, passing finely divided particles of a gas from the bottom upward through the mixture, and removing the impurities which rise to the top of the mixture.

1,510,810. METHOD OF PURIFYING SOLUTIONS OF VISCOSE AND SIMILAR SOLUTIONS OF CELLULOSE. JACOB REIN NICOLAAS VAN KREGTEN, Arnhem, Netherlands, assignor to Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Filed Nov. 13, 1922. Serial No. 600,666. 3 Claims. (Cl. 260-100.)

2. A method of purifying viscose and similar solutions of cellulose, comprising emulsifying the cellulose solution with paraffin oil, whereby the impurities contained in said solution will be partly dissolved by the oil but for the most part will remain in suspension in the oil; and then separating the purified cellulose solution from the paraffin oil.

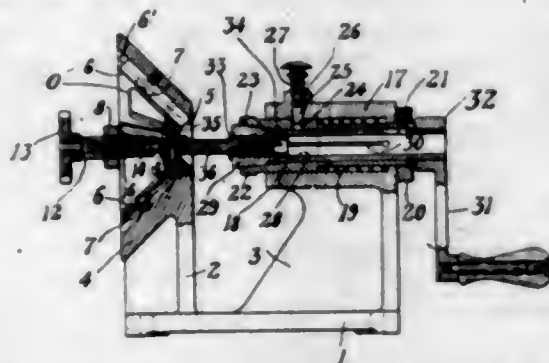
1,510,811. CENTER-DRIVE AXLE LATHE. WALLACE E. WARD, Rochester, N. Y., assignor to Arthur H. Ingle, Rochester, N. Y. Filed Apr. 20, 1920. Serial No. 375,263. 8 Claims. (Cl. 82-8.)



1. An axle lathe equipped with opposite dead centers and an intermediate hollow driving head, opposite tool carriages, a feed screw to operate the same, and having a prime drive shaft journaled transversely of the lathe bed intermediate the length thereof and geared to operate said driving head and said feed screw.

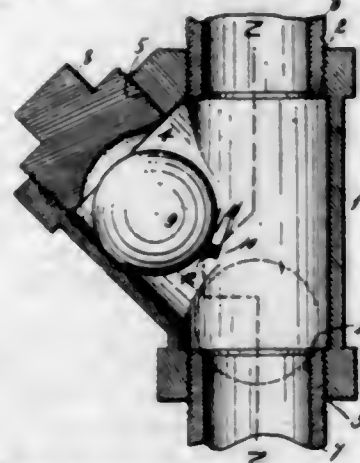
6. The combination with an axle lathe having opposite dead centers and an intermediate hollow driving head, opposite tool carriages and a feed screw for said carriages, of driving means consisting in a prime drive shaft mounted intermediate the length of the bed and transversely thereof with change speed gear connections to said driving head, and other change gear drive connections to said feed screw, each of said gear connections including a slidably shiftable multiple gear with a plurality of pinion faces of diverse sizes.

1,510,812. VALVE-TRUING DEVICE. AUGUST L. WEINERT, JR., and FRED TUKA, Newark, N. J. Filed Nov. 12, 1921. Serial No. 514,453. 18 Claims. (Cl. 82-1.)



1. In a device of the class described, a cutter head, means comprising a member adapted to coact with a valve mounted in the device and adjustable to move said valve against the cutting means of said head, and a spring-pressed mounting in which the valve is adapted to be secured and which is adapted to yieldingly hold the valve firmly in engagement with said member, said mounting comprising means adapted to rigidly hold the valve in the mounting.

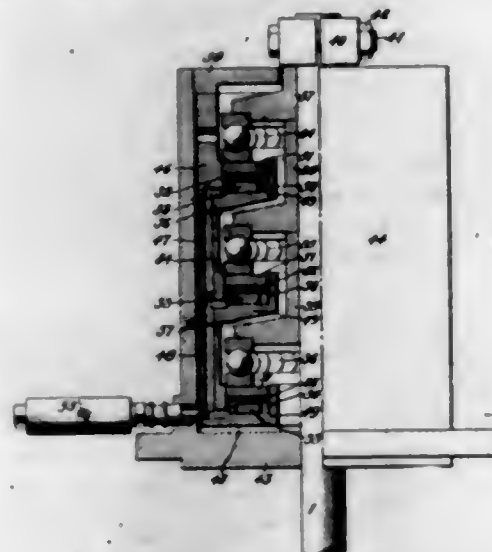
1,510,813. SHUT-OFF VALVE FOR PIPE FITTINGS. ERNEST W. WILLIAMS, Lynn, Mass. Filed Apr. 29, 1924. Serial No. 709,776. 2 Claims. (Cl. 137-162.)



2. A shut-off valve comprising a casing having a passage therethrough with inlet and outlet openings into and

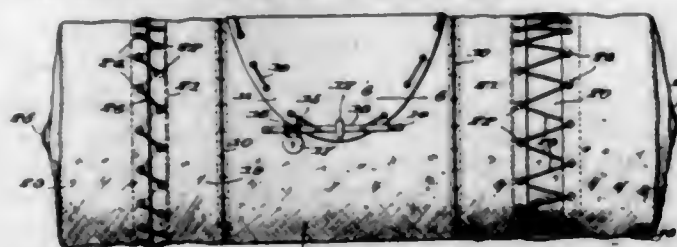
out of said casing, and with a portion of the chamber of the casing offset with relation to said passage above the outlet opening, a ball-valve normally received within said offset portion, means, providing a seat for said valve whereby the passage through the casing is closed when the valve is engaging said seat, a fusible metal bar extending crosswise the interior of the casing below said valve when received within said offset portion as aforesaid and retained in a manner whereby it may then support said valve and upon the fusing of the bar permit the valve to gravitate and engage said seat, said casing being provided on the interior thereof with ledges cut in the wall of the casing and on which ledges the opposite ends of said bar are adapted to rest and be held in place by the weight of said valve.

1,510,814. THRUST BEARING. JOHN A. WINTROATH, SAMUEL N. HALL, and MAHLON E. LAYNE, Los Angeles, Calif. Filed Aug. 19, 1920. Serial No. 404,579. 6 Claims. (Cl. 64-47.)



1. In an end thrust receiving device for a shaft, the combination with a plurality of bearings for taking the end thrust of the shaft and individual load transmitting means including annular pistons for the respective bearings one within another, of means for receiving an equalizing the load from and between said bearings comprising a common supply of fluid and a common flexible diaphragm interposed between the fluid and the pistons.

1,510,815. COMBINATION BAGGAGE. ROBERT E. ADAMS, Harrisburg, Pa. Filed June 30, 1923. Serial No. 648,720. 12 Claims. (Cl. 190-51.)

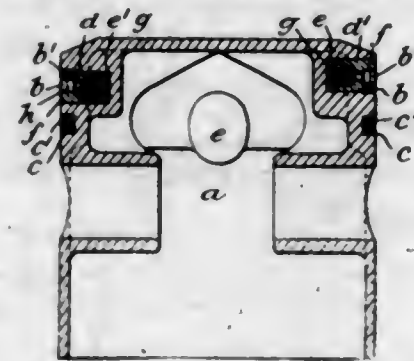


1. An article of baggage of elongated form and comprising a central and two end compartments, the central compartment having walls made of relatively stiff material, and the end compartments having side walls of flexible material.

1,510,816. METALLIC PACKING FOR PISTONS. ROBERT ALLEN, Oxon, England. Filed Apr. 7, 1923. Serial No. 630,572. 1 Claim. (Cl. 74-109.)

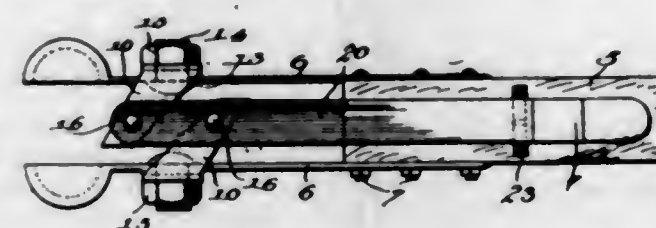
The combination with a piston or the like having a packing groove and recesses opening into said groove at diametrically opposite points, of a pair of split packing rings arranged in said groove, side by side, and with their joints diametrically opposite and disposed over said recesses, spring-pressed plungers mounted in said

recesses, each of said plungers being provided with a portion pressing against the intermediate portion of one



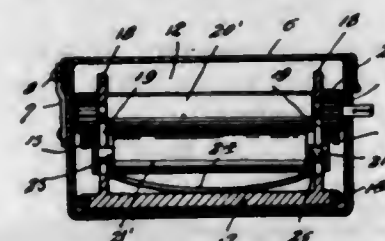
ring and with another projecting portion disposed between and pressing against the ends of the other ring, whereby both rings are maintained expanded but are locked against rotation in said groove.

1,510,817. PITMAN CONNECTION FOR MOWING MACHINES. FRANK BAKER, Alderson, W. Va. Filed Nov. 23, 1922. Serial No. 002,881. 5 Claims. (Cl. 287-89.)



1. In combination, a pitman connection including socket members, a lug carried by each socket member and extending toward the other socket member, said lugs being oppositely inclined, and means cooperable with the lugs for positively expanding and contracting said socket members.

1,510,818. PASTE-TUBE COLLAPSER. HERBERT E. BARRON, Dupon, Ill. Filed May 19, 1923. Serial No. 640,039. 2 Claims. (Cl. 221-60.)

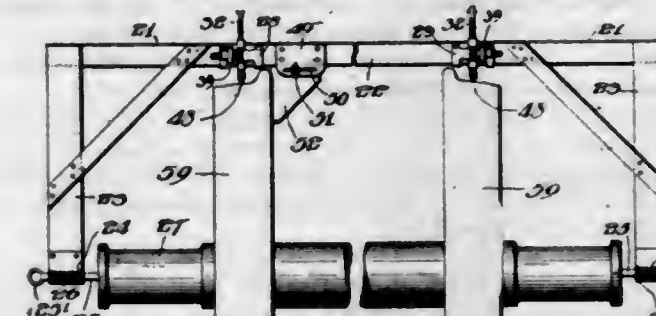


1. A paste tube collapser including a casing, a frame removably mounted in said casing having end plates connected at the side portion of said casing by guide bars and rack bars, a tube collapsing member slidably mounted on said guide bars having slotted uprights extending therefrom, a pair of rollers mounted in said slotted uprights having intermeshing gears at the opposite ends thereof, the gears of one roller meshing with the racks carried by said frame, and means carried by the tube collapsing member for normally holding said rollers in contact, and operating means for said rollers, whereby a paste tube will be collapsed by the rollers in the rotation thereof during the sliding movement on said guide bars.

1,510,819. METHOD AND MEANS FOR RE-FORMING WHEELS HAVING WORN TREADS AND FLANGES. CARL G. BARTH, Philadelphia, Pa. Filed Sept. 5, 1918. Serial No. 252,686. 4 Claims. (Cl. 33-172.)

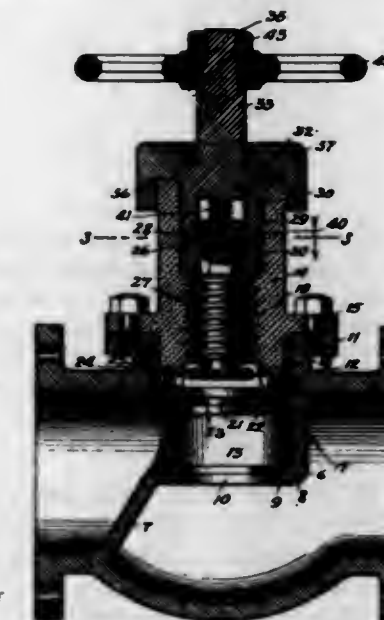
1. The method in connection with re-turning car and locomotive wheels, which comprises the following steps, first locating and measuring the minimum diameter to which the wheel has worn on the tread gauge line,

measuring the radial wear on the flange adjacent and relative to the point of maximum wear on the tread



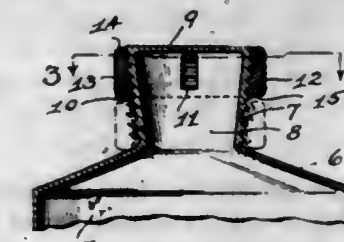
previously determined, in order to ascertain the maximum diameter that may be preserved in securing the required re-formation of the wheel.

1,510,820. VALVE. PETER BERDAR, New York, N. Y. Filed Mar. 2, 1923. Serial No. 622,389. 1 Claim. (Cl. 251-47.)



A valve comprising a hollow body with a partition therein, a valve seat in the partition, a valve supporting member secured to and projecting into the body and having an opposing seat spaced from the first seat, a valve stem threaded through the supporting member and carrying a double-faced valve at its end between the seats adapted to engage either seat upon turning the stem, a polygonal extension from the stem having an axial recess, a stem operating device rotatably extending into the supporting member and having a polygonal recess slidably receiving the extension, a curved shoulder on the stem operating device, a bonnet securing the operating device to the supporting member and having a curved seat receiving the curved shoulder, and a spiral spring seated within the axial recess and reacting against the end of the polygonal recess in the operating device for forcing the shoulder of the operating device against the curved seat.

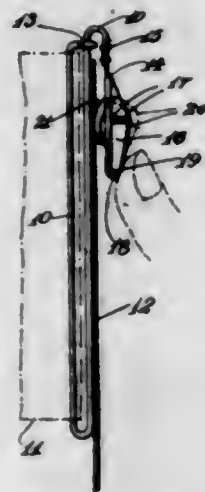
1,510,821. COLLAPSIBLE DISPENSING TUBE. HENRY J. BERKLEY, Baltimore, Md. Filed Aug. 15, 1923. Serial No. 657,509. 2 Claims. (Cl. 221-60.)



1. The combination with a collapsible tube, of a nozzle projecting from one end of the tube said nozzle being

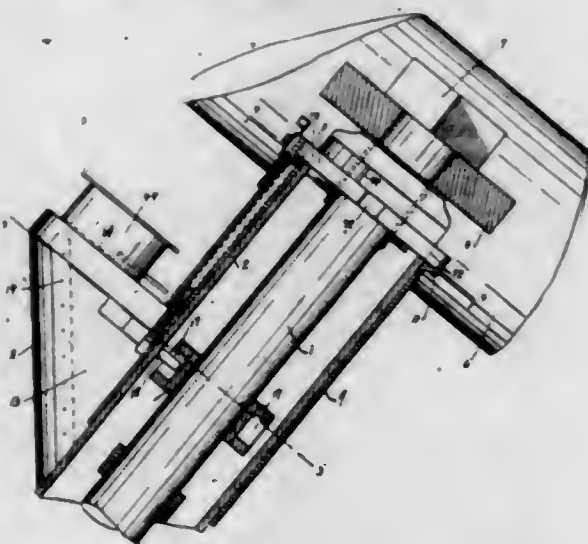
exteriorly tapered and increasing in diameter as it extends outwardly from the tube and said nozzle having a side discharge opening and also having a tapered exterior screw-thread and a collar having a screw-thread to engage the tapered threads on the nozzle said collar serving to close said discharge-opening.

1,510,822. SAFETY CLIP. WILLY BERNDT, Brooklyn, N. Y. Filed Nov. 23, 1923. Serial No. 676,586. 5 Claims. (Cl. 24-8.)



2. A guard, comprising an attaching member for engaging an article; a resilient holding member forming the continuation of said attaching member; a serrated gripping member hingedly associated with said holding member; means provided in the latter for limiting the movement of and for holding said gripping member in desired relation to said attaching member.

1,510,823. ANTITHEFT DEVICE. BENJAMIN FRANKLIN BERTS, San Francisco, Calif. Filed May 29, 1922. Serial No. 564,412. 8 Claims. (Cl. 70-90.)

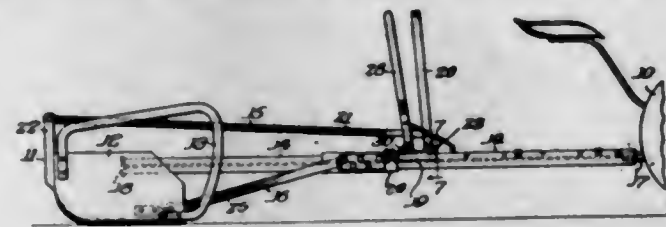


4. A lock for the steering post of a motor vehicle comprising a bolt slidably mounted for locking engagement with the steering post, yielding means normally effecting the engagement, a lever arranged to lift the bolt out of the engagement, a rotary combination lock mounted coaxially with the lever and an operative connection between the lever and the lock whereby the lever is engaged when the lock is adjusted to a predetermined combination and may then be turned by the lock.

1,510,824. DRAFT RIGGING. LEN O. BIRD, Salt Lake City, Utah. Filed Mar. 19, 1923. Serial No. 625,932. 6 Claims. (Cl. 37-124.)

1. In combination with a material-handling implement, a draft-rigging comprising a draft frame adapted to be

attached to a source of traction, two connections extending from the frame to spaced portions of the im-



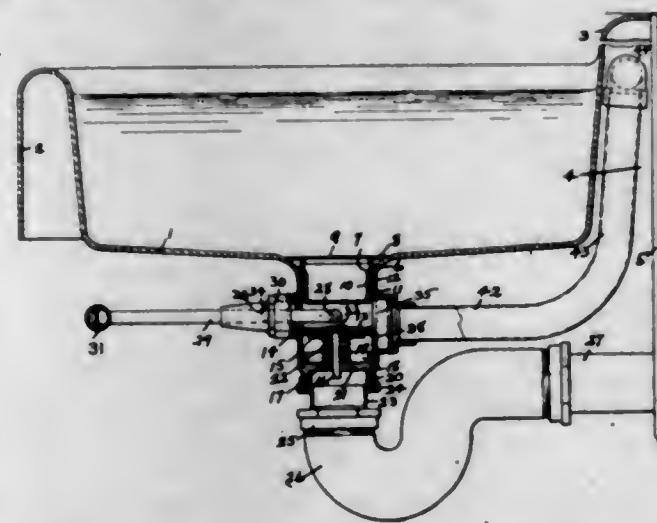
plement, means for varying one of the connections, and means for both varying and releasing the other connection.

1,510,825. TRANSMISSION-DRUM BAND. RALPH BOUSQUET, Pittsfield, Mass. Filed Mar. 19, 1924. Serial No. 700,389. 2 Claims. (Cl. 188-250.)



2. A transmission drum band comprising a circular band open at the top with an oil channel depressed thereon in the center of the band and running three-fourths the way around said band, the upper ends of the said band being flat with clamping supports attached thereto and said clamping supports provided with slots, oil supply retainers attached to the circular band, and said circular band provided with an oil outlet to allow the oil to flow from the oil retainers into the channel depressed on the said circular band.

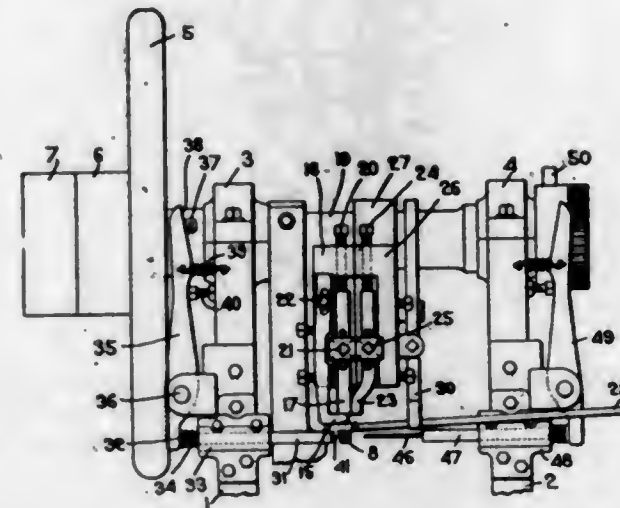
1,510,826. STOP DEVICE FOR SINKS. CARL BREER, Summit, N. J. Filed Dec. 9, 1921. Serial No. 521,141. 4 Claims. (Cl. 4-200.)



1. In a stop device for sinks, the combination of a valve body adapted to form a part of a discharge conduit and having a valve diaphragm with a valve seat therein; a valve element operating on the seat; a stem on the element; a bypass around the closure formed by the element mounted on the valve body and having an upwardly extending loop extending to the rear; a fitting detachably secured to the body and having a guide for the stem; a spring tending to close the valve; and means

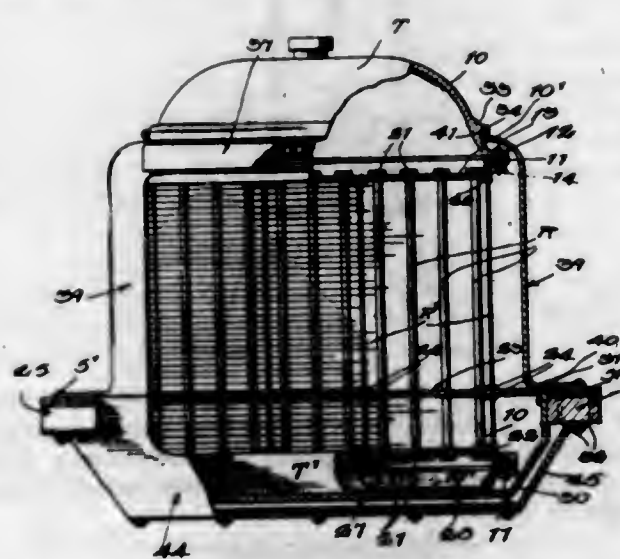
mounted on the body opposite the loop and extending forward to a position adapting it to be operated from the front of the sink for actuating the valve element.

1,510,827. NAIL-MAKING MACHINE. ALBERT H. BRIGHAM, Whitman, Mass. Filed Aug. 12, 1921. Serial No. 491,649. 7 Claims. (Cl. 10-35.)



1. A nail making machine comprising a pair of dies relatively movable toward and from each other and each provided in its face with a groove, the two grooves co-acting when the dies are in closed position to form a nail blank receiving recess, means for severing from a stock strip a nail blank and for transferring the blank to, and for supporting the blank in, a position opposite the recess of one of the dies when the dies are in open position with the head end of the blank inward of the corresponding end of the recess and with the point end of the blank extended outward from the opposite end of the recess, and means for closing the dies upon the blank to clamp the blank in the recess with its head end inward thereof and its point end extended outward therefrom.

1,510,828. RADIATOR FOR INTERNAL-COMBUSTION ENGINES. WILLARD C. CHAPIN and JAMES H. PETTEE, Rockland, Me. Filed Aug. 12, 1922. Serial No. 581,501. 2 Claims. (Cl. 257-129.)



1. A radiator comprising a pair of tanks communicating with each other through a plurality of tubes and each tube having nuts threaded thereon for removably holding the same positioned, a plurality of rods extending between the tanks for supporting the same in spaced relation, a bridge plate through which said rods may pass and also the tubes, and means whereby said rods may be locked against movement with relation to said bridge plate.

1,510,829. ENAMEL COMPOSITION. HUGH S. COOPER, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a Corporation of New York. Filed Jan. 11, 1921. Serial No. 436,594. 6 Claims. (Cl. 106-36.2.)

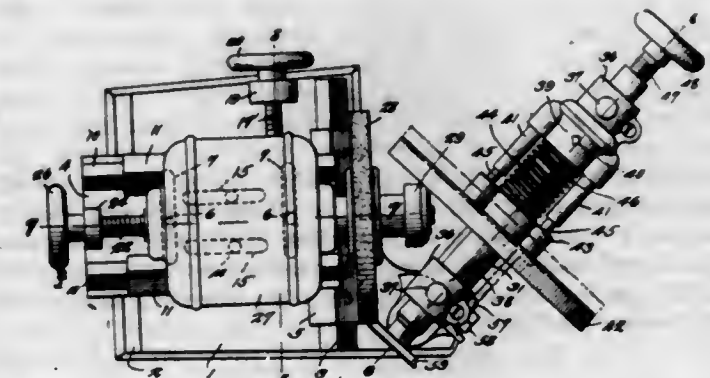
1. An enamel composition adapted to produce a substantially white opaque coating on metals, said composition containing a cerium compound and a compound of another rare-earth element occurring in monazite sand as opacifying ingredients.

1,510,830. PUMP. HENRY M. CRIPPEN, Athens, Ohio, assignor of one-fourth to Fred H. Finsterwald and C. A. Finsterwald, both of Akron, Ohio. Filed Aug. 18, 1923. Serial No. 658,084. 5 Claims. (Cl. 103-225.)



1. In a pump, a piston comprising a cylindrical body having an air opening extending therethrough from its upper to its lower side, a central opening, and an external annular collar or shoulder around its lower end, a piston rod extending at its lower end freely through the said central opening and having means for holding the valve from falling off, a valve on the rod above the piston in the form of an inverted rigid cup with its lower packing-expanding edge spaced from the said annular shoulder; the space between said lower edge of the valve and the said shoulder provided with a packing strip.

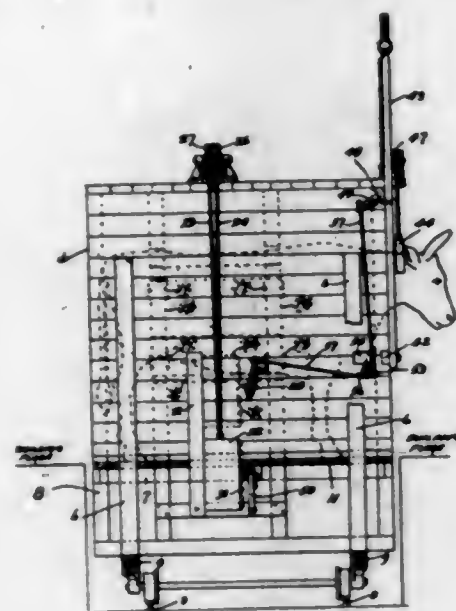
1,510,831. VALVE GRINDER. JOHN CROWE, St. Joseph, Mo., assignor to Lisle Mfg. Co., Clarinda, Iowa. Filed Oct. 30, 1922. Serial No. 597,903. 2 Claims. (Cl. 51-105.)



1. In a device of the class described, a base, a carriage mounted for straight line sliding adjustment on the base, a rider mounted for straight line sliding adjustment on the carriage at an angle to the direction in which the carriage is adjustable on the base, a motor

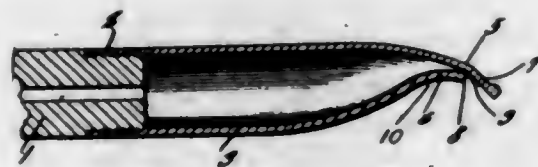
on the carriage, a grinding member carried by the motor, a bracket mounted to swing on the base for adjustment, a valve-holding shaft journaled on the bracket, a friction wheel mounted on the shaft for rotation therewith and for sliding movement therealong, a drive wheel carried by the motor and movable along the friction wheel toward and away from the axis of rotation of the friction wheel, and spring means for holding the friction wheel engaged with the drive wheel.

1,510,832. ANIMAL TRAP. ROYAL W. CUDWORTH, San Francisco, Calif. Filed Feb. 21, 1923. Serial No. 620,448. 9 Claims. (Cl. 119-99.)



1. A trap for animals of the character described comprising a cage allowing the animal to enter thereinto, said cage having a section of the floor and sides loose and arranged to move upwardly to engage the body of the animal between its fore and hind legs.

1,510,833. TOBACCO PIPE. WILLIAM R. DALES, New York, N. Y. Filed May 25, 1923. Serial No. 641,442. 4 Claims. (Cl. 131-12.)

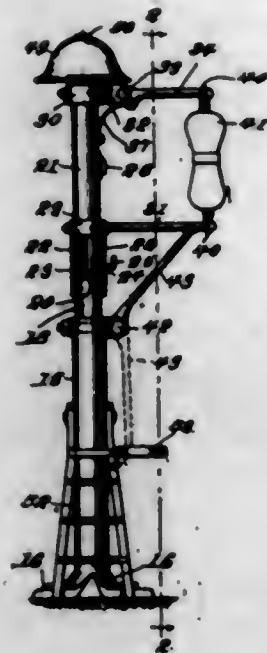


1. A mouth piece for tobacco pipes comprising a rigid tube having one end portion flattened transversely to provide upper and lower walls extending straight from side to side and converging toward each other along curved lines, the upper wall being spaced from the lower wall at the end of said lower wall by a narrow slit extending the width of the mouth piece, and a shield extending beyond the end of the lower wall and constituting a continuation of the upper wall, said shield and the lower wall cooperating to produce a transverse concavity under the mouth piece with the slit located in the upper portion thereof.

1,510,834. MAIL CRANE. GROVER W. DAVIS, Oakvale, W. Va. Filed July 6, 1923. Serial No. 649,957. 2 Claims. (Cl. 258-23.)

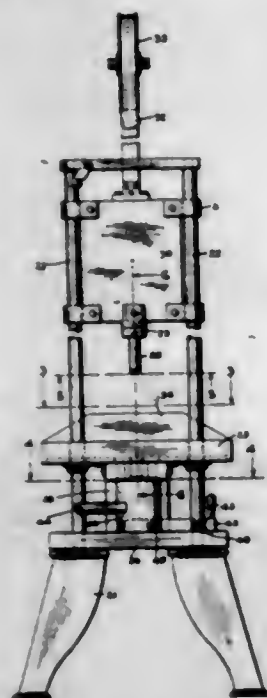
1. A mail crane comprising a standard, a sleeve mounted for vertical movement thereon, means whereby vertical movement of the sleeve will also rotate the same, spaced bag supporting arms secured to and extending

laterally from the sleeve and an arm having one end pivotally secured to the standard and its opposite end



engaged with the bag and one of the supporting arms, to hold the sleeve against movement when the bag is in position.

1,510,835. MACHINE FOR TAMPING DRY-CELL CARTRIDGES AND THE LIKE. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed June 18, 1920. Serial No. 390,921. 22 Claims. (Cl. 18-5.)

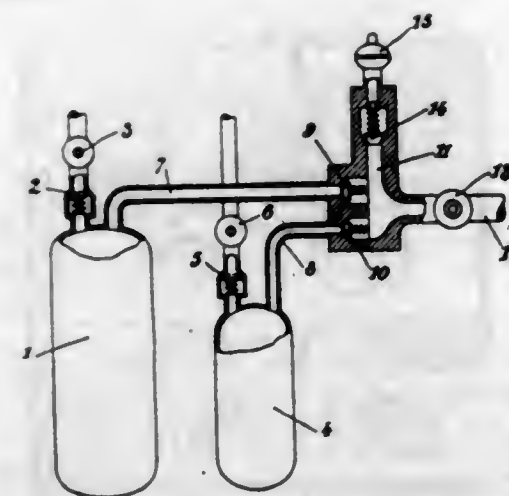


1. Apparatus for tamping dry cell cartridges, comprising a die, a sleeve-like reciprocating tamping plunger cooperating therewith, and means for successively reciprocating said plunger to pack depolarizing material about an electrode pencil.

1,510,836. CARBURETING APPARATUS. EMILE PAUL DUMANOIS, Paris, France. Filed Apr. 24, 1923. Serial No. 634,210. 1 Claim. (Cl. 48-180.)

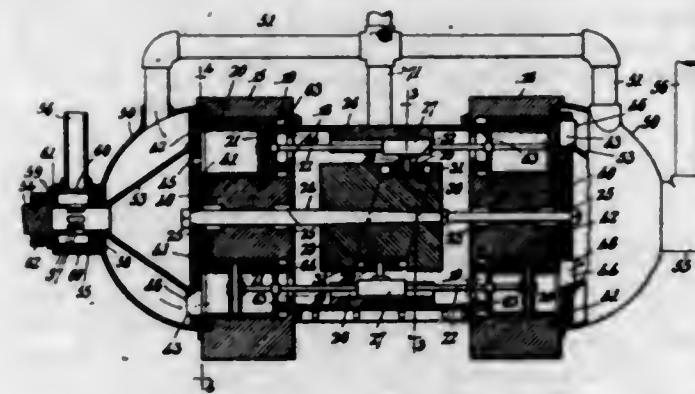
In a carbureting apparatus the combination with two reservoirs into which air and combustible gas are respectively filled under pressure, a mixing chamber, two pipes each connecting one of said reservoirs to said mixing chamber, of two nonreturn valves provided at the entrance of said pipes into the said mixing chamber whereby the fluids may flow into the mixing chamber

but not return to the reservoirs; a loaded valve on said mixing chamber whereby the successive filling of



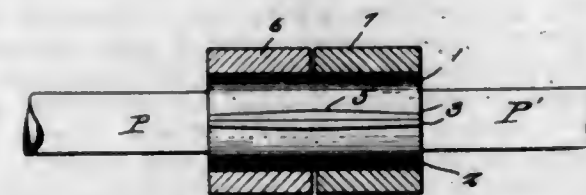
the said reservoirs may be made at the same pressure, a discharge pipe fitted to said mixing chamber and means for closing said discharge pipe.

1,510,837. GAS COMPRESSOR. ROLAND E. ENGLISH, Mount Rainier, Md. Filed Mar. 10, 1923. Serial No. 624,076. 10 Claims. (Cl. 230-27.)



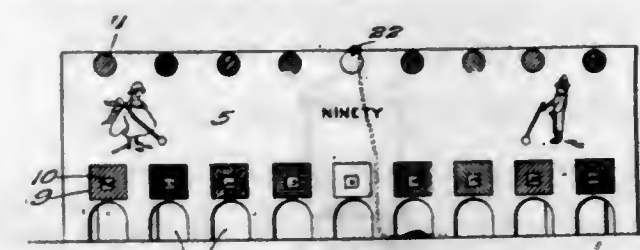
1. In a device of the class described, a casing, a plurality of cylinders arranged in groups in said casing, the cylinders of the said groups being axially aligned, pistons in said cylinders, rods connecting the pistons of the cylinders of one group with those of the other, means for moving said rods, a rotatable member for each of said cylinder groups, each of said members having intake and exhaust ports adapted to be brought at predetermined times into communication with each of said cylinders, and the said rotatable members being operated by the said rod moving means.

1,510,838. PIPE COUPLING. NELSON M. FRAZIER, Houlton, Oreg. Filed Apr. 11, 1922. Serial No. 351,566. 2 Claims. (Cl. 285-194.)



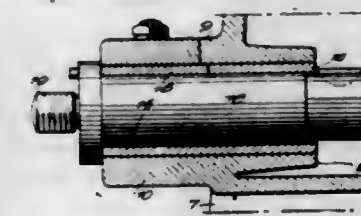
1. A pipe coupling comprising a pair of semi-tubular pipe clamping members having outturned flanges along their side edges adapted to fit snugly in contact with each other when assembled, the outer faces of said flanges tapering toward one end, and a sleeve slidable over said members and having a tapered groove straddling said flanges and having a wedging connection therewith throughout the length of the sleeve.

1,510,839. GAME. HARRY M. FRIDLEY, Brooklyn, N. Y. Filed Nov. 7, 1923. Serial No. 673,310. 2 Claims. (Cl. 46-61.)



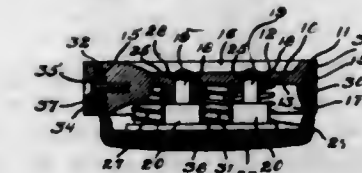
1. In a game of the character described, an easel like structure including a board with means for supporting the same upon one edge in a substantially upright position, said board having a plurality of notches in the lower edge thereof through which balls may be projected, a flexible member or string attached to the board for use in determining the distance of a base line from the front surface of a board, said board having a colored area above the notches thereof with the colored area of each notch differing from that of the remaining notches, a valve numeral associated with each colored area above each notch, and a plurality of cards corresponding in number to the number of notches and each having a color area and a numeral upon one face thereof for designating the order of play, each card having its colored area corresponding to the colored area above one of said notches in the board.

1,510,840. JOURNAL BOX FOR CUTTERS. HARRY C. GEIST, Waynesboro, Pa. Filed Jan. 16, 1924. Serial No. 686,677. 4 Claims. (Cl. 64-10.)



1. A lateral thrust bearing for rotary cutters and the like comprising a support having a contractile bearing box, a bushing comprising a portion that is transversely continuous and a portion composed of sections that is in the contractile box, and a shaft journaled in the bushing.

1,510,841. SHOE HEEL. JAMES B. HANLEY, Philadelphia, Pa. Filed May 2, 1921. Serial No. 466,158. 7 Claims. (Cl. 36-38.)

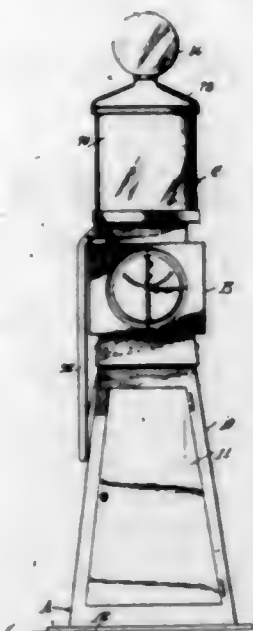


1. A heel including an attachment plate having a peripheral portion provided with an outer concaved surface; a lift having a flange extending upwardly along said surface; a band surrounding said flange; and means for forcing said band into said flange and thereby compressing said flange into said concaved surface of the peripheral portion.

1,510,842. FLUID-DISPENSING MACHINE. NORTON W. HART, Warrenton, Ga. Filed Jan. 11, 1923. Serial No. 612,148. 5 Claims. (Cl. 235-94.)

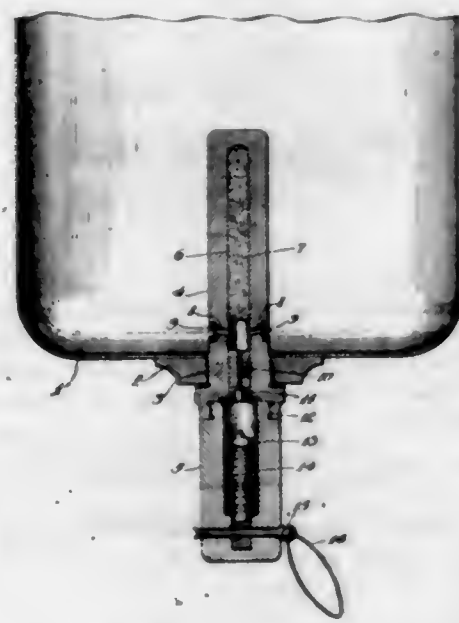
1. In a measuring device having a float responsive to the movement of liquid in the device, a rack bar con-

ected with and operable by the float, a registering mechanism including a shaft having a gear rotatable



with the shaft in one direction and independently thereof in the opposite direction, and a flexible connection between the float and the rack bar.

1,510,843. FIRE EXTINGUISHER. WILFORD J. HAWKINS, New York, N. Y. Filed Mar. 31, 1921. Serial No. 457,242. 7 Claims. (Cl. 169-28.)

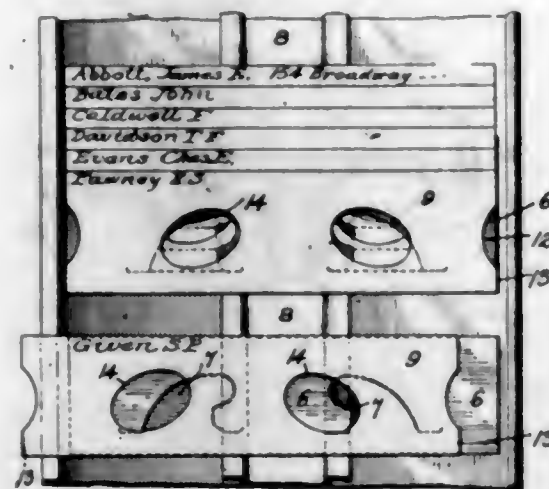


1. In a fire extinguisher, the combination with a container, of an expeller projecting into said container and having in its enclosed end a powder chamber and a normally closed blow port extending through its wall adjacent the container wall, and a safety igniting device including a firing pin and a spring-cotter seat housed in the exposed end of said expeller.

1,510,844. INDEX OR FILE. ROBERT D. HAYES, New Haven, Conn., assignor to Index Visible, Incorporated, New Haven, Conn., a Corporation of New York. Filed Oct. 16, 1915. Serial No. 56,304. 38 Claims. (Cl. 129-16.)

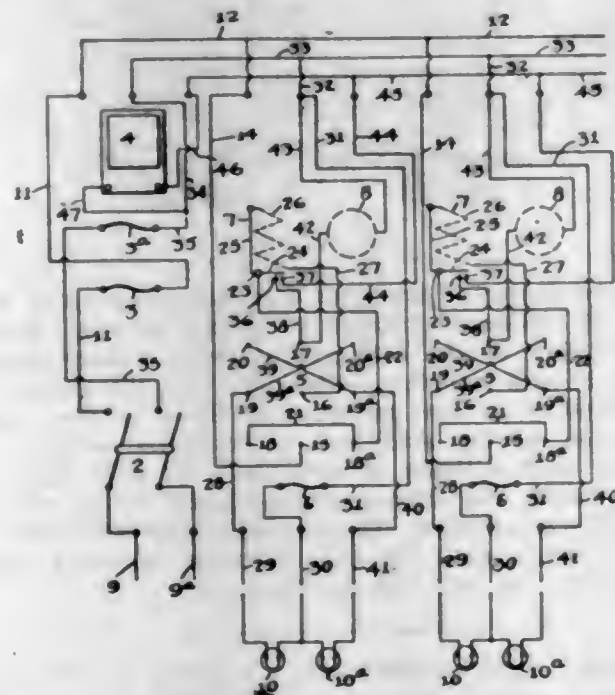
1. In an index or file, a support, a record member detachably connected therewith, and a protective cover for said record member displaceable thereon without detaching said record member from said support; substantially as described.

12. In an index or file, the combination of a card, a protective sheath therefor, means carried by the card



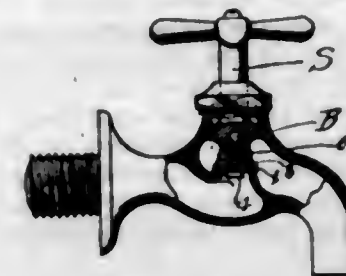
for attaching it to a support, and a record slip or insert interposed between the sheath and the card; substantially as described.

1,510,845. RUNNING-LIGHT SYSTEM AND BOARD. JOHN W. HAYWOOD, New York, N. Y., assignor to Horne Electric & Manufacturing Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 22, 1923. Serial No. 658,799. 4 Claims. (Cl. 177-311.)



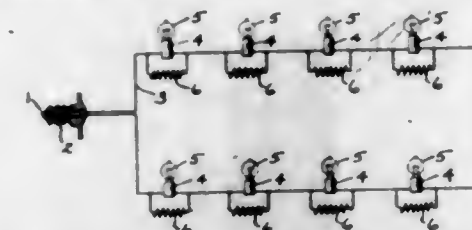
3. In a running light system, the combination of a main circuit, a plurality of running light circuits in derivation from said main circuit, each of said running light circuits comprising branches for two lamps, a relay and a manual switch in each of said running light circuits jointly controlling each of said branches, connections whereby the switch is movable to complete a path through the coil of the relay and one or other of the branches alternately, while the armature of the relay automatically completes a path through the switch to the other branch upon failure of the lamp in circuit with the coil, indicators for the respective running light circuits and operated by the relays thereof, and a common alarm having a circuit controlled by the several relays, any one of which is adapted to connect said alarm circuit to said main circuit.

1,510,846. FAUCET WASHER AND ATTACHING MEANS. STEPHEN HOFMANN, Brooklyn, N. Y. Filed Dec. 6, 1923. Serial No. 678,992. 2 Claims. (Cl. 251-44.)



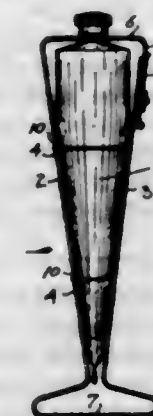
1. An article of manufacture comprising a faucet washer having the usual central opening, and a pin passing through said opening, and of greater length than the thickness of the washer, said pin having a head at one side of the washer and being longitudinally split at the other side thereof and expanded to a greater size than said opening to form spring arms, said arms retaining the pin in the washer opening prior to application of the article to a faucet, and being adapted also for frictional reception in the usual screw bore of a faucet stem to connect the washer to the latter.

1,510,847. CHRISTMAS-TREE LIGHTING. HOMER D. HOLLEK, Leonia, N. J. Filed Apr. 18, 1922. Serial No. 555,532. 5 Claims. (Cl. 240-10.)



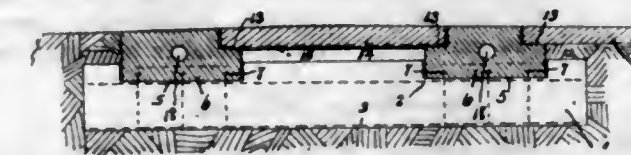
1. In a Christmas tree lighting means the combination with a loop having a plurality of lamps and conductors connecting said lamps in series, of resistances each permanently connected across the terminals of a lamp upon the outside thereof and mounted on said loop, and means for connecting the terminals of said loop with a source of electric supply, the whole forming a unitary structure permanently assembled and electrically connected.

1,510,848. HOLDER FOR COLLAPSIBLE TUBES. ARTHUR G. HILBRAND, Wheeling, W. Va. Filed Apr. 13, 1922. Serial No. 552,359. 4 Claims. (Cl. 221-60.)



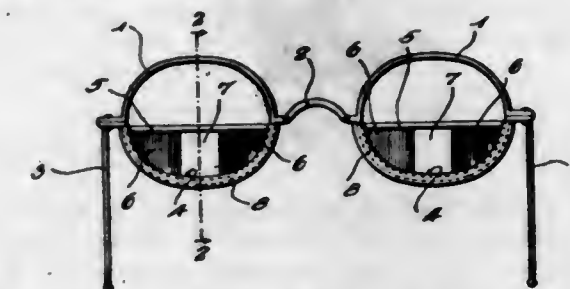
1. In a holder for collapsible tubes, the combination of a casing having a flat base whereon it may stand erect, two walls arranged in substantially V-shaped formation and extending upward from the center of said base, said walls being adapted to be moved towards each other under external pressure; a collapsible tube between said walls, the closed end of the tube being adjacent the base; and means engaging one of said walls and passing around the tube whereby the tube is attached to the said wall.

1,510,849. ROADWAY. HORACE S. HUNT, Jackson, Mich. Filed July 8, 1921. Serial No. 483,182. 7 Claims. (Cl. 94-12.)



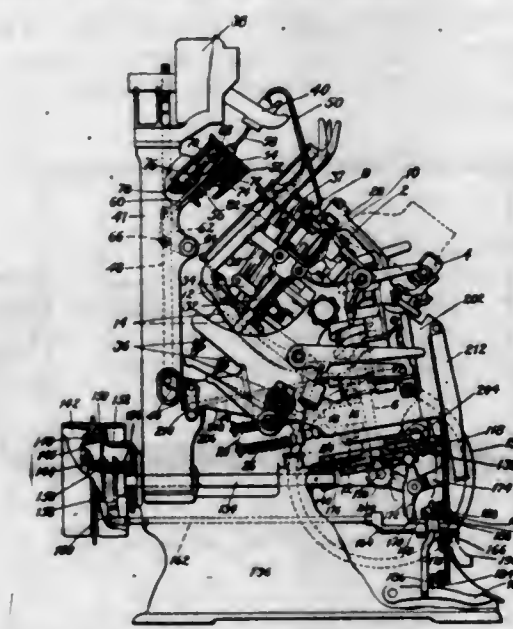
1. A roadway consisting of reinforced concrete girders and reinforced concrete girders cross ties extending across beneath the girders and supporting them, means to unite the ends of the girders to each other and to the cross ties, and transverse slabs resting on the girders.

1,510,850. MOTORIST'S GOGGLES. RAYMOND P. JACOBS and STANLEY M. WINARSKI, Stevens Point, Wis. Filed May 21, 1923. Serial No. 640,576. 3 Claims. (Cl. 2-14.)



1. An eye-shield comprising a pair of open frames connected by a nose bridge, curved shields extending forwardly from said frames and disposed below a medial horizontal plane, the front ends of said shields terminating in a substantially vertical plane at substantially right angles to the axes of the frames, and a pair of light intercepting panels carried by the front end of each of said shields, each pair of said panels being spaced apart horizontally and disposed at opposite sides of the above-named axes to provide an unobstructed clear vision field between them and having their upper edges terminating on a horizontal line transverse to and substantially intersecting said axes, leaving an entirely unobstructed clear vision field above said panels.

1,510,851. MACHINE FOR WORKING UPPERS OVER LASTS. ARTHUR ERNEST JERRAM and JOSEPH GOULD-BOURN, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 12, 1920. Serial No. 380,874. 64 Claims. ((Cl. 12-4.)



1. In a machine of the class described, the combination with means for working an upper over a last, of

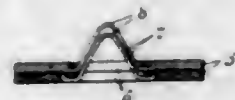
means for fastening the upper comprising a fastener carrier mounted for movement from retracted position toward fastener inserting position and for additional fastener transferring movement, and mechanism for imparting to said carrier its fastener transferring movement prior to its movement toward fastener inserting position.

1,510,852. TAPE REEL. WILLIE L. E. KEUFFEL, Weehawken Township, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed May 2, 1922. Serial No. 558,038. 4 Claims. (Cl. 242-84.8.)



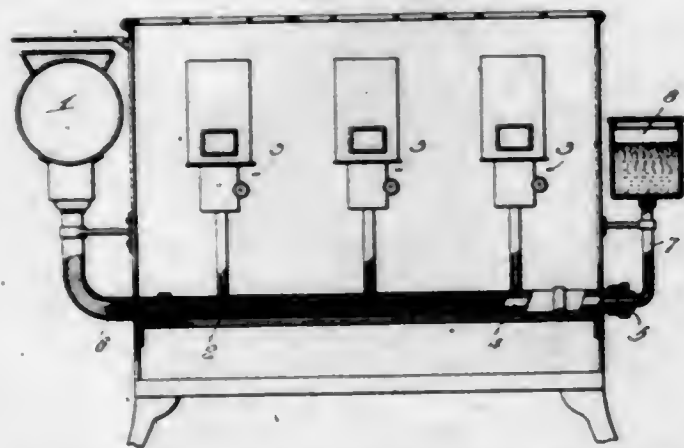
1. In a tape reel the combination of a case having central openings on the top and the bottom with bearings therein, and a tape drum adapted to rotate in said bearings and said drum being rigidly secured to an upper and a lower plate so as to form a complete bearing between the same.

1,510,853. GAME MARKER. HARRY LATZ, Mount Arlington, N. J. Filed July 6, 1922. Serial No. 573,095. 4 Claims. (Cl. 46-65.)



4. A game marker comprising a suitably shaped member and means adapted to accommodate a lifting implement whereby said marker may be manipulated in the playing of the game for which it is intended, said means being of such a character as to permit one marker to be stacked upon the other in surface engagement and so that the means of the lowermost marker is accessible to the lifting implement.

1,510,854. WATER-COOLED LIQUID-FUEL FEEDER FOR STOVES. EDWARD DUDLEY LEWIS, Elmira, N. Y. Filed July 23, 1923. Serial No. 653,361. 1 Claim. (Cl. 158-36.)



In an oil stove, a plurality of burners having depending fuel intakes, a comparatively large horizontally dis-

posed fuel supply pipe beneath and in communication with said intakes, the ends of said pipe extending through the opposite end-walls of the stove, one of said ends being upturned and the other end being open, a fuel container supported on the upturned portion of the pipe, a horizontal water pipe extending into said fuel pipe through the open end of the latter, said water pipe extending throughout the length of the horizontal portion of the fuel pipe and having its outer end directed upwardly, a reserve water tank mounted on the upper end of said upwardly directed portion of the pipe and communicating therewith, and a stuffing-box closing said open end of the fuel pipe and serving to secure said water pipe in place.

1,510,855. METHOD OF MAKING FIBROUS PULP FROM LOW-COST VEGETABLE MATTER. MARK W. MARSDEN, Philadelphia, Pa. Filed July 10, 1923. Serial No. 650,735. 4 Claims. (Cl. 92-5.)

1. The herein described method of making fibrous pulp consisting in freeing the material from dust and other foreign matter; subjecting the material to a steam bath; shredding the softened material; fermenting the material, and distilling the fermented mass.

1,510,856. REGISTERING VALVE. CLARENCE S. MUNRO, Charleston, W. Va., assignor to Tiregate Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed June 18, 1923. Serial No. 646,228. 4 Claims. (Cl. 152-11.5.)

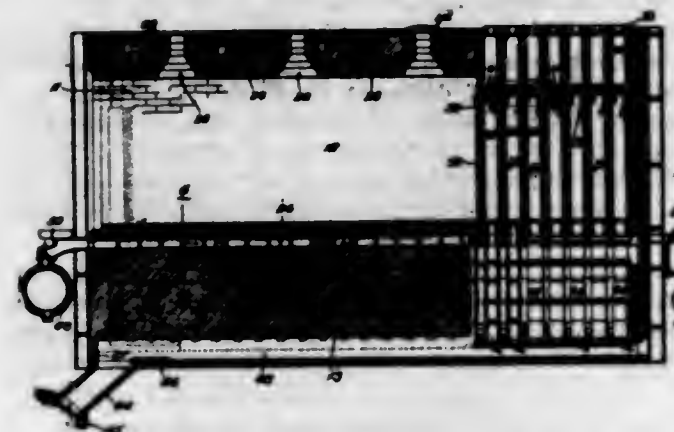


1. In a device of the class described, the combination with a stem, of a head on said stem, a plug device provided with a tit in said head, a gauge plunger provided with a tit in said stem, a rubber tubing on said tits, collars provided with spiral grooves on said tits, a packing of absorbent material on the tit of the gauge plunger between the collar carried thereby and the gauge plunger, and a spring threaded in the spiral grooves of said collars and having a portion surrounding the rubber tubing.

1,510,857. RECUPERATOR COKE-OVEN STRUCTURE. JULIUS K. MUNSTER, Carnegie, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 24, 1919, Serial No. 332,877. Renewed Feb. 11, 1922. Serial No. 535,949. 24 Claims. (Cl. 202-9.)

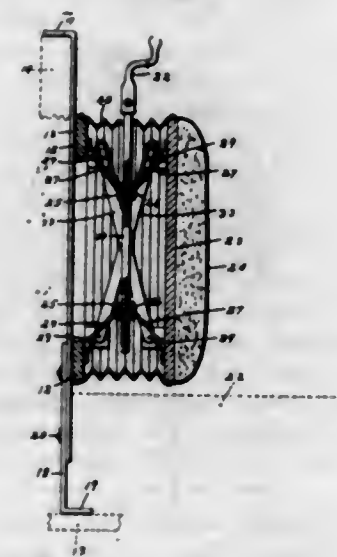
1. In a coking retort oven, in combination: coking chambers; sets of heating flues parallel with the coking chambers and contiguous thereto; recuperator bays, each located below a set of heating flues and parallel therewith; outflow vertical channels individually connecting the heating flues of each set with its corresponding recuperator bay; recuperator stacks located within each recuperator bay, said stacks being structurally independent of and freely movable with respect to each other and

communicating with the heating flues above the stack; exhaust conduits communicating with the recuperator



bays; and supply conduits communicating with the recuperator stacks in each recuperator bay; substantially as specified.

1,510,858. ADJUSTABLE SEAT BACK. ABRAHAM M. NADELL and VICTOR BEAUREGARD, Boston, Mass.; said Beauregard assignor of one-half to his right to said Nadell. Filed Feb. 23, 1923. Serial No. 620,643. 3 Claims. (Cl. 155-158.)

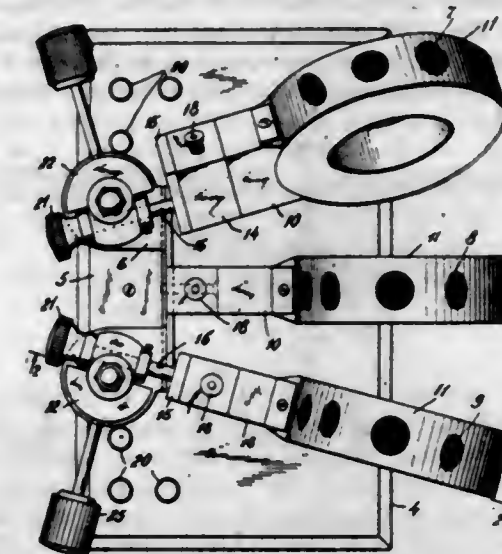


1. The combination with a vehicle seat and a fixed back pertaining thereto, of a movable back located forward of the fixed back; horizontally extensible and contractible parallel motion mechanism interposed between and connected with the two backs; means for extending and contracting said mechanism to horizontally adjust the movable back; and bracing means connected with said mechanism and horizontally extensible and contractible thereby, said bracing means being organized to cooperate with the said mechanism in maintaining the movable back substantially parallel with the fixed back, and in positively supporting the movable back in any position to which it may be adjusted.

1,510,859. INDUCTANCE-COIL MOUNTING. LOUIS G. PACENT, Winfield, N. Y., assignor to Pacent Electric Company, Inc., New York, N. Y., a Corporation of New York. Filed July 24, 1922. Serial No. 577,039. 2 Claims. (Cl. 171-119.)

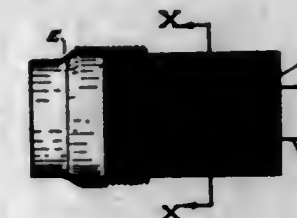
1. An adjustable inductance coil mounting comprising a bearing member, a spindle about which said bearing member is rotatable, a pair of angularly disposed shafts

journalled in said bearing, a pair of gears inter-connecting said shafts, and means carried by one of said shafts for



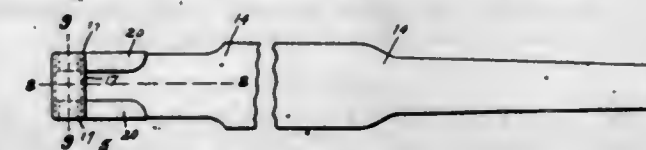
supporting an inductance coil, said last-mentioned shaft having an axis of rotation disposed at an angle to the axis of rotation of said spindle.

1,510,860. AUTOMATIC DRAINAGE VALVE AND ITS APPLICATION TO VARIOUS FORMS OF RADIATORS. CASSIUS CARROLL PECK, Rochester, N. Y. Filed Dec. 29, 1919. Serial No. 348,247. 2 Claims. (Cl. 251-123.)



1. In a valve for the purposes set forth, a body comprising an externally threaded portion provided with a port whose length is less than the length of the threaded portion, a valve member movably arranged on one side of the threaded portion to control the flow through said port, a screen frame projecting from the opposite side of said threaded portion, said frame being concentric with the threaded portion and having at its outer end a projection through which the threaded portion may be turned to effect attachment with a suitable support, and a screen surrounding said frame.

1,510,861. LOOM-SHUTTLE COVER. CHARLES A. RICHARDSON, Mansfield, Mass. Filed Mar. 8, 1924. Serial No. 697,857. 2 Claims. (Cl. 139-198.)

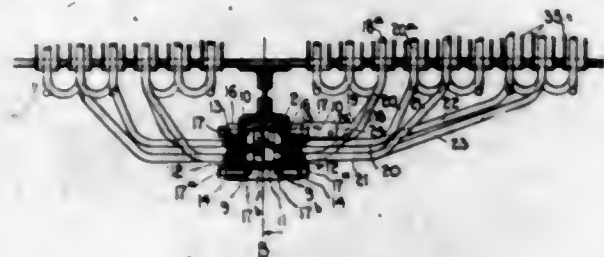


2. A shuttle cover composed of an elongated metal strip having portions of its opposite longitudinal edges bent over upon the body of the strip to form ears at one end thereof, the said end and ears being rolled to form a hinge socket having introverted portions increasing the thickness of the ends of the socket, and necks forming the socket ends.

1,510,862. STEAM SUPERHEATER. JOHN GEORGE ROBINSON and ROBERT ABSALOM THOM, Fairfield, Manchester, England. Filed Sept. 27, 1920. Serial No. 413,070. 4 Claims. (Cl. 122-462.)

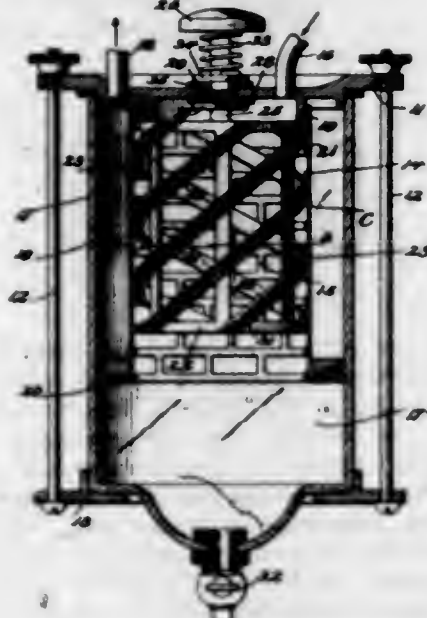
1. In a superheater, a vertical header provided internally with a single imperforate partition plate which extends uniformly between its top and bottom and divides

it into a front chamber and a rear chamber, said chambers having lateral openings in their side walls adjacent to the said partition plate, connecting blocks arranged transversely of the said partition plate and one above another and having inlet and outlet openings in their middle parts which are spaced to communicate with the corresponding



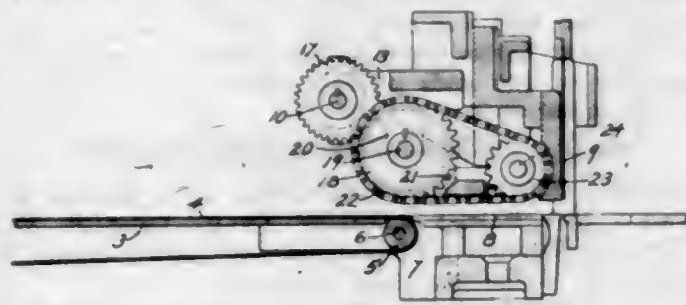
openings of the chambers, said blocks having also front and rear openings in their end portions, superheater elements having their inlet and outlet end portions secured in the respective openings of the blocks, and fastening devices engaging with the openings in the end portions of the blocks and securing each of the several blocks to the header independently of the others.

1,510,863. FILTER. WILLIAM H. ROSE, Jersey City, N. J. Filed Dec. 23, 1920. Serial No. 432,791. 3 Claims. (Cl. 210-107.)



1. In a filter, in combination, a casing, a cylindrical filtering surface in said casing, a cylindrical cleaning device in said casing and concentric with said filtering surface, said device being movable longitudinally relatively to said filter surface and rotatable relatively thereto and having a plurality of spaced inclined cleaning surfaces thereon in contact with said filtering surface.

1,510,864. CIGAR-BUNCH-FILLER FEED. RUPERT E. RUNDALL, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Sept. 13, 1923. Serial No. 662,455. 8 Claims. (Cl. 131-39.)

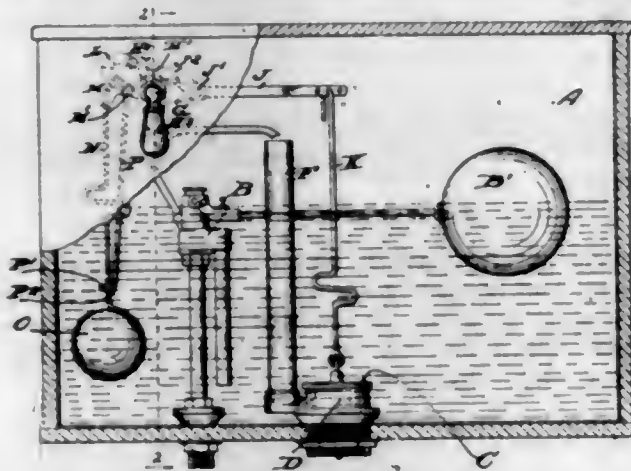


1. In a cigar bunch filler feed, the combination with means for advancing all parts of a sheet of filler at

uniform speed, of means receiving said sheet of filler therefrom and accelerating the movement of predetermined parts thereof.

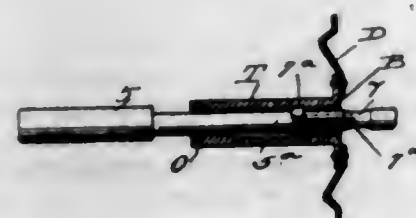
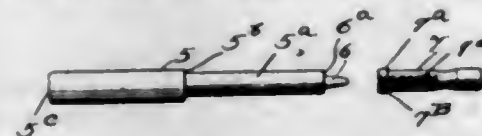
8. In a cigar bunch filler feed, the combination with a feed belt, of a filler support receiving filler from said belt, a plurality of feeding chains for advancing filler along said support, a series of sprockets carrying said chains, a series of gears of different diameters carried by said sprockets, a drive shaft, a series of collars splined on said shaft, a series of driving gears of different diameters loosely mounted on said shaft one between each pair of collars, and a spring acting to establish frictional contact of said collars and said driving gears.

1,510,865. FLUSHING VALVE. FREDERICK A. SCHOS-SOW, Detroit, Mich. Filed Nov. 23, 1923. Serial No. 676,477. 6 Claims. (Cl. 4-53.)



1. In a device of the character described, a tank, a flushing valve in the tank, a bracket having a projecting arm, an operating lever mounted intermediate of its ends directly upon the projecting arm of the bracket and adapted to rock thereon, means connecting the flushing valve with one end of the operating lever, a toggle lever mechanism pivoted to the other end of the operating lever and to the bracket, a float connected with an arm of one of the toggle levers and manually operated means adapted to actuate the operating lever, whereby the flushing valve may be raised from its seat and held by the float off its seat until the altitude of the water in the tank discharging through the flushing valve is lowered sufficiently to cause the float to become inoperative for sustaining the valve in open position.

1,510,866. BUSHING REMOVER. ALFRED B. SEPP-MANN, Lake Crystal, Minn. Filed Apr. 28, 1923. Serial No. 635,303. 3 Claims. (Cl. 29-88.2.)



1. A bushing extractor for bushings located at one end of a double ended bore, the opposite end of the bore being reduced to the diameter of the bore of the bushing and in axial alignment with such bore, comprising a separable arbor and drive member, the arbor being of an external diameter approximating the internal diameter of the bushing with which it is to be employed and having a head of an external diameter approximating the external diameter of the bushing with

which it is to be employed, the head end of the arbor having a bore formed therein and being transversely slotted to produce a multiplicity of sections each bearing a portion of the head, the drive member being provided upon its end with a tapered projection adapted to engage in the bore of the arbor to expand the sections thereof, the body of the guide member being of a diameter equal to the diameter of the bore of the bushing and of a length greater than the length of the bore in which the bushing is mounted.

1,510,867. DRUMHEAD. SAMUEL M. SILVERMAN, Wilkes-Barre, Pa., assignor to W. B. Bertels & Son Co., Inc., Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Dec. 30, 1922. Serial No. 609,921. 2 Claims. (Cl. 220-55.)



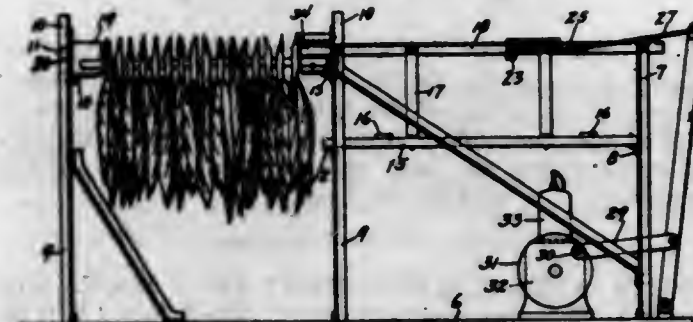
1. In a device of the class described, a receptacle head having an opening; a closure for the opening; a projection carried by the closure; and arms pivoted at their outer ends to the head, the arms being supplied at their inner ends with openings for detachably receiving the projection.

1,510,868. BELT RETAINER. ERIC O. SJOLANDER, Los Angeles, Calif. Filed July 28, 1923. Serial No. 654,431. 2 Claims. (Cl. 241-11.)



1. A device of the character described comprising a substantially U-shaped body having a pair of spaced apart arms adapted to straddle the edge portion of a garment, a tongue integral with one of said arms and extending laterally thereof, said tongue being offset outwardly from a line adjacent to its line of juncture with said arm, and fastening means carried by the body for detachably securing the latter to the edge portion of said garment.

1,510,869. LATH-PULLING MACHINE. WALTER A. SKINNER, Burnside, Conn. Filed July 2, 1920. Serial No. 393,571. 10 Claims. (Cl. 131-21.)

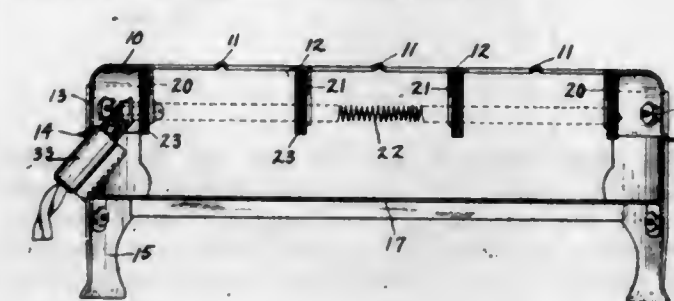


10. A tobacco stripping machine comprising a frame including an intermediate support, guide bars secured

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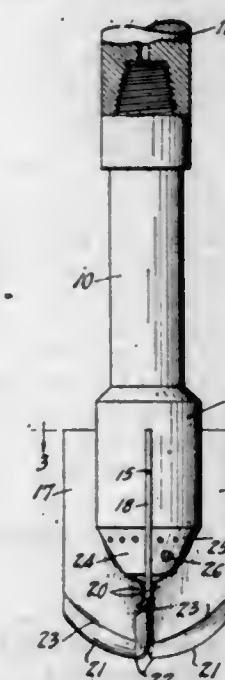
to said intermediate support, a gripper movably mounted on the guide bars and including gripper jaws, means for operating said gripper, an end support, rests located on said end support and said intermediate support, and a stop bar secured to said guide bars and spaced above said rests in the path of movement of the stem of tobacco leaves supported on lath engaged by said grippers.

1,510,870. ELECTRIC GRILL. COURTLAND R. STEEN-ROD, Dayton, Ohio. Filed Feb. 12, 1923. Serial No. 618,477. 8 Claims. (Cl. 219-37.)



1. An electric grill comprising a grate formed by making excisions in a plate of sheet metal, leaving strips of the plate to form grate bars, one edge of the excised portions remaining united to said strips but being bent at the point of union to a position substantially perpendicular to the plane of said plate; and a heating element composed of wire supported by strips of insulating material, said strips being secured to said perpendicular excised portions of the plate.

1,510,871. ROTARY-DRILL BIT. CHARLES S. SWAIN, Long Beach, Calif. Filed Dec. 9, 1922. Serial No. 605,880. 3 Claims. (Cl. 255-61.)



1. In a rotary drilling tool, a stem provided in its side with longitudinal extending channels opening through the lower end thereof, blades having shanks engaged in said channels, and a locking member engaged with the lower end of the stem and maintaining said blades in position in said channels, the blades being provided at their lower ends with portions extending inwardly beneath the locking member and having their inner edges approximating one another, said portions limiting downward movement of the locking member upon the stem when the stem is supported by the blades.

1,510,872. CLOTHESPIN. HENRY WILLIAM SWARM, Pine Bluff, Ark. Filed July 7, 1923. Serial No. 650,057. 1 Claim. (Cl. 24-139.)

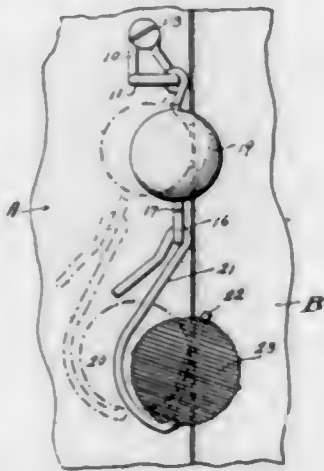
A clothes pin formed from a single length of wire bent to provide a pair of spaced elongated loops adapted

to grip the clothes line therebetween, said loops being arranged to provide a flared entrance opening at the lower ends thereof, the terminals of said loops being twisted together at a point immediately above the loops, and thence extended and formed to provide finger re-



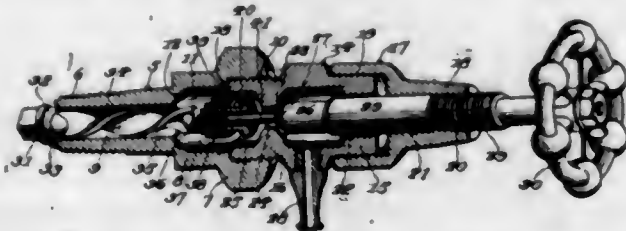
ceiving rings arranged said by side and in contacting engagement with each other, the diagonally opposite limbs of the respective loops being connected together by a curved portion which passes between the remaining limbs of the loops at a point directly beneath the twisted portion.

1,510,873. DOORCHECK. MCGARVEY E. TATE, Somerset, Ky. Filed Mar. 28, 1923. Serial No. 628,303. 6 Claims. (Cl. 16-83.)



1. A door check comprising a bracket attachable to a door jamb, a link pivotally carried by the bracket for oscillation parallel to the plane of the front face of the door jamb and depending from the bracket, a bumper carried by the link, a second link swingingly engaged with the first named link and oscillatable with the first named link or independently thereof in the same plane or in a plane at right angles to the first named link, and a bumper carried by the second named link and disposed in the same vertical plane thereas but in advance of the plane of the second named bumper.

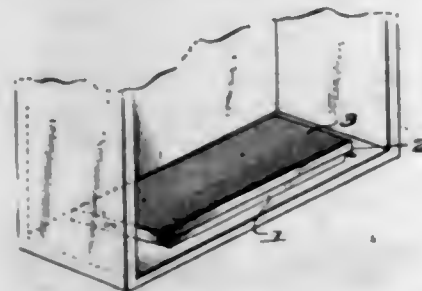
1,510,874. GAUGE COCK. EDWARD B. WADELL, Williamson, W. Va., assignor of one-third to Carl B. Early, Williamson, W. Va., and one-third to Jerome E. Vergie, Williamson, W. Va. Filed June 29, 1921. Serial No. 481,313. 2 Claims. (Cl. 277-27.)



2. The combination with a gauge cock composed of a plurality of detachably connected sections having aligned bores therethrough and having a main control valve and a supplemental valve, of means for detachably maintaining the said supplemental valve in proper position, said means comprising a cylindrical sleeve supported

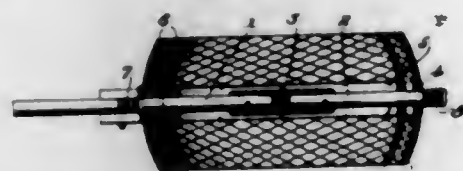
within the bore of one of the sections, and a bushing rotatably mounted within the said sleeve, the said bushing being formed with internal threads to receive the externally threaded end portion of the said supplemental valve.

1,510,875. PASSENGER REGISTER. EVERETT WALKER, Portsmouth, Va. Filed June 13, 1923. Serial No. 645,102. 8 Claims. (Cl. 235-99.)



1. In a step register for passenger vehicles, the combination with a bottom section, of a depressible tread section which is mounted to bodily shift laterally in relation to the bottom section, and a counter cooperatively related to said sections adapted to indicate the number of times the tread section is depressed.

1,510,876. VARIOMETER. ROBERT LEE WALKER, Atlanta, Ga., assignor to A. E. Hill Manufacturing Co., Atlanta, Ga., a Corporation of Georgia. Filed Jan. 26, 1924. Serial No. 688,793. 4 Claims. (Cl. 171-242.)



1. In an inductance device, the combination of a supporting frame and a winding thereon, means for securing the winding on said frame, said means comprising spaced ties positioned between the adjacent edges of said frame and winding, and adapted to hold the same in operative position.

1,510,877. WRIST SUPPORT. CHRISTIAN H. WIEDENMANN, Kansas City, Mo. Filed Mar. 27, 1923. Serial No. 628,156. 3 Claims. (Cl. 120-54.)

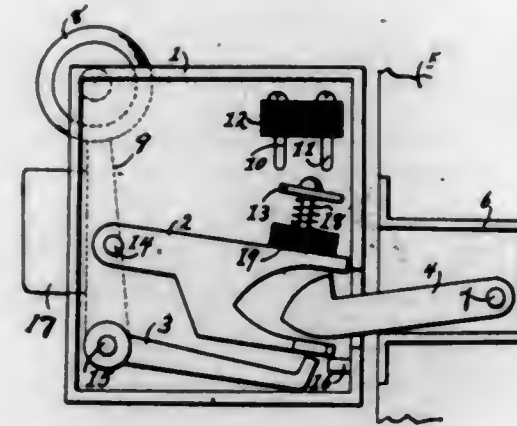


1. A wrist support for writers comprising a ring having a central opening for the reception of the hypothenar eminence of the palm of the hand, anti-friction means in the ring and protruding from the opposite side thereof, and surrounding the said central opening and means for securing the ring to the hand.

1,510,878. ELEVATOR-HATCHWAY DOOR LOCK. WILLIAM J. WISMORE, Oakland, Calif. Filed July 16, 1923. Serial No. 651,839. 1 Claim. (Cl. 187-31.)

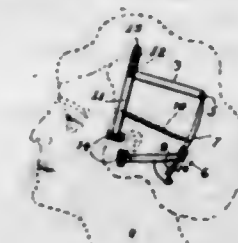
In an elevator door-lock, the combination of a keeper-casing containing a plurality of electrical terminals, a

weighted lever-arm pivotally attached to said keeper-casing and carrying a bridging piece for bridging said electrical terminals, a movable latch adapted to enter



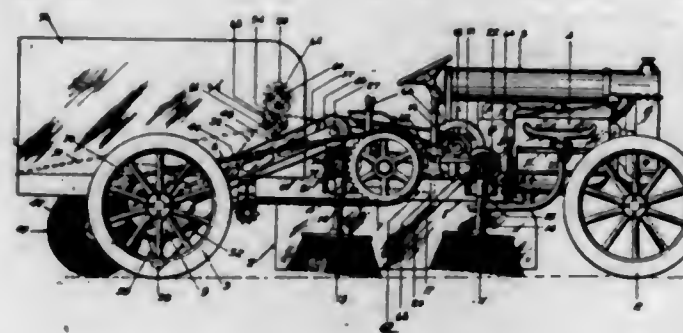
said keeper-casing and actuate said lever-arm for bridging said electrical terminals, a movable detent pivotally attached to said keeper-casing for actuating said latch, and a means for actuating said detent.

1,510,879. FACIAL DEVICE. ZOFIA YACHNO, Walnutport, Pa. Filed Aug. 22, 1922. Serial No. 583,646. 7 Claims. (Cl. 128-76.)



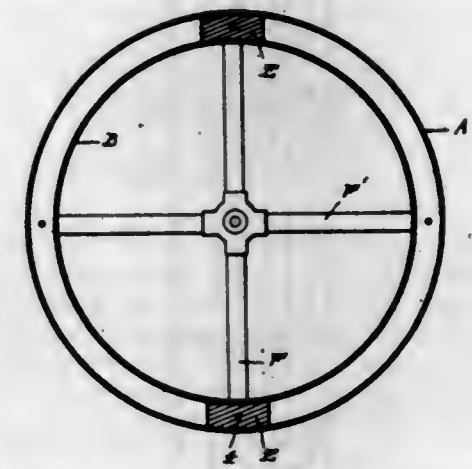
1. In a device of the class described comprising a plurality of adjustable arms, flesh engaging pads associated with said arms, and means for regulating the pressure of the pads upon the face of the user, said means including U-shaped brackets associated with said pads, and set screws operatively associated with said pads, arms and U-shaped brackets.

1,510,880. STREET SWEEPER. ANDREW W. AITKEN, Springfield, Ohio, assignor to The Springfield Motor Sweeper Company, Springfield, Ohio, a Corporation of Ohio. Filed July 18, 1921. Serial No. 485,414. 6 Claims. (Cl. 15-84.)



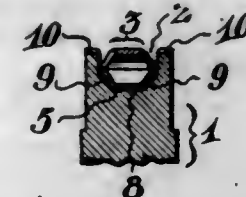
5. In a sweeper of the character described, a single elevator in the form of an endless belt extending forwardly and upwardly from a point in proximity to the ground line at the rear end of the sweeper, means for depositing the sweepings upon the lower end of said elevator, a tank at the rear end of the sweeper having an inclined bottom wall, said elevator being extended to a point in proximity to the forward side of said tank and terminating above the upper edge of said inclined bottom, and means for forcibly discharging the sweepings directly from said elevator rearwardly into said tank.

1,510,881. STEERING-WHEEL RIM. CHARLES W. BECK, Detroit, Mich., assignor to The Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed Oct. 26, 1914, Serial No. 868,723. Divided and this application filed Apr. 12, 1918, Serial No. 228,157. Renewed May 12, 1924. 5 Claims. (Cl. 74-33.)



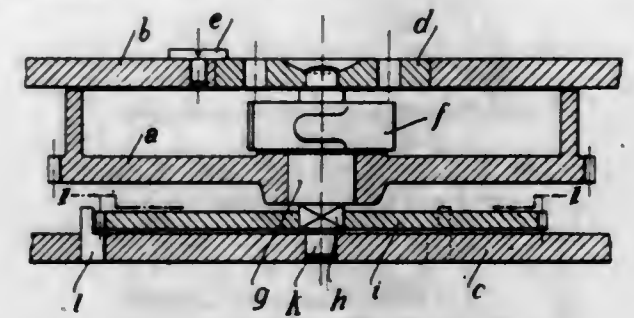
1. As a new article of manufacture, a steering wheel rim formed of vulcanized fibrous material, said rim being hollow and formed in segments, and filler blocks insertable within the meeting ends of the segments coacting to secure the same.

1,510,882. PULLEY. JOAH BROGDEN, Melrose Park, Pa., assignor to David Lupton's Sons Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 2, 1923. Serial No. 622,255. 2 Claims. (Cl. 64-17.)



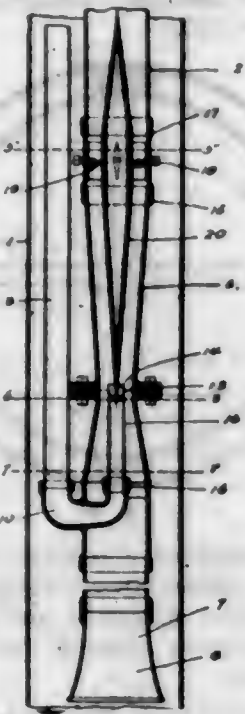
1. In combination, a chain embodying links each of which consists of a pair of attenuated lobes integrally joined by an intermediate fold-over section, and a pulley formed with a flat tread and flaring sides, whereby the links of said chain are afforded bearing throughout their length.

1,510,883. TIMEPIECE. HENRI COLOMB, Tavannes, Switzerland. Filed Jan. 6, 1922. Serial No. 527,477. 2 Claims. (Cl. 58-52.)



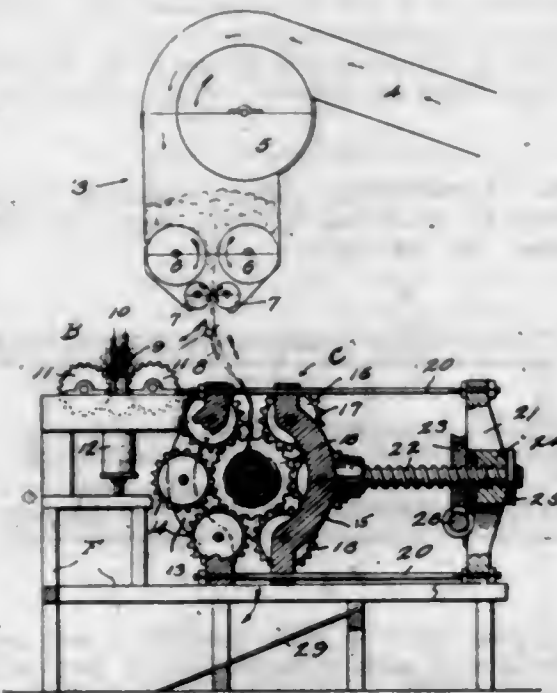
1. In a time piece, a plate member, a cock member spaced from said plate member, one of said members being provided with an aperture, a removable bearing arranged in said aperture, an axle turning in said bearing, a spring core mounted on said axle, the diameter of said aperture being at least equal to that of the core so that the latter may be removed without necessitating disassembling of the movement, a barrel and ratchet mechanism including a ratchet wheel arranged between the plate member and cock member, and means cooperating with the ratchet mechanism for preventing said ratchet wheel from radial displacement relative to the axis of said axle.

1,510,884. FLUID-PRESSURE PUMP. LEONARD S. DOWNS, Chicago, Ill. Filed Oct. 24, 1922. Serial No. 596,603. 24 Claims. (Cl. 103-232.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



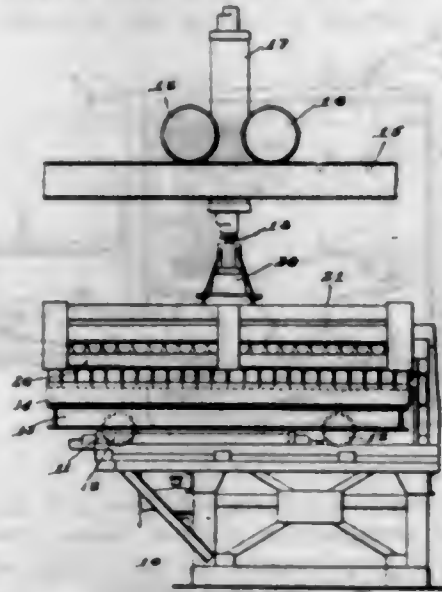
1. A fluid pressure pump, comprising an eduction column, a foot piece arranged beneath the normal level of the liquid to be raised and having a portion of rapidly diminishing area and a portion of gradually increasing area, and means for admitting fluid under pressure centrally into the foot piece at the point of least water pressure and highest water velocity.

1,510,885. ROUND-BALE GIN COMPRESS. SAMUEL H. DUNLAP, Ennis, Tex. Filed June 28, 1920. Serial No. 392,190. 1 Claim. (Cl. 100-1.)



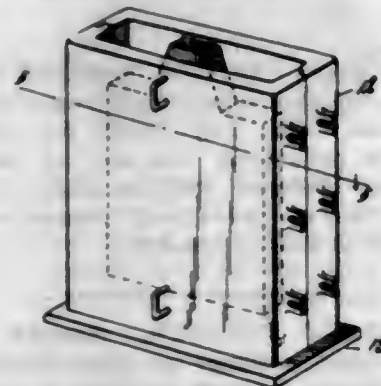
In combination with a cage press, a bale starting mechanism comprising a core adapted to wind a partially formed bale thereon, and a bat slide adapted to guide the bat of cotton either on the core or in said cage press, whereby when the partially formed bale is removed from the core of the bale starting mechanism and placed in the cage press, said bat slide will guide the bat of cotton into the cage press to completely form the bale in said cage press and be compressed therein while being formed.

1,510,886. HACKING MACHINE. CLAUD E. FULLER, New York, N. Y. Filed May 19, 1922. Serial No. 562,250. 7 Claims. (Cl. 294-63.)



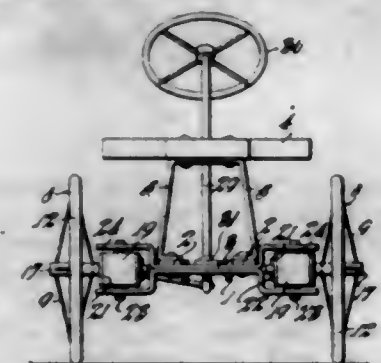
1. An improved hacking device, comprising a frame, a plurality of parallel arranged bars therein defining a pair of slots spaced apart from each other, a pair of substantially vertically arranged finger plates having their lower ends extending through said slots, a second frame movable with respect to said first frame, and means associated with said second frame for moving the lower ends of said finger plates toward each other to grip a brick between.

1,510,887. SOFT-CENTER INGOT. JOHN J. GLYNN, East Savannah, Ga. Filed Apr. 22, 1921. Serial No. 463,464. 3 Claims. (Cl. 22-201.)



1. A mother mould for forming soft center for ingots, comprising a pair of side members joined at their ends, and a base member having depressions registered with the interior of the mould to form projections from the bottom of a soft center.

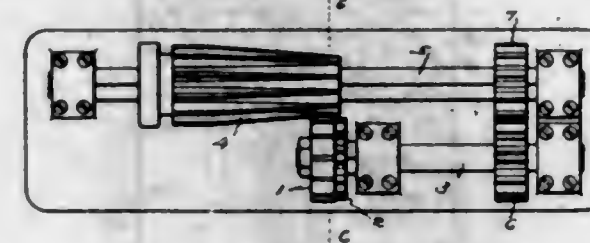
1,510,888. TOY VEHICLE. BEN E. HERVEY, Wilmington, Calif. Filed Feb. 28, 1924. Serial No. 695,806. 5 Claims. (Cl. 208-114.)



1. In a vehicle of the class described wherein is provided a rear axle and wheels and a frame including opposing frame bars; front axle forming bars secured to the frame bars, front wheels, an individual spindle for

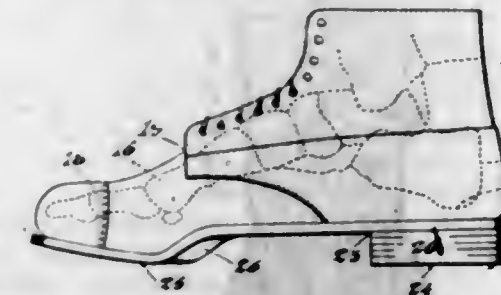
each wheel, a bearing member for each wheel spindle pivotally mounted between the ends of the front axle forming bars, pins for holding the spindles against displacement, and means for turning the pivoted bearing members to steer the vehicle.

1,510,889. MANUFACTURE OF GEARS AND APPARATUS THEREFOR. DUNCAN C. HOOKER, Farmington, Conn. Filed Jan. 3, 1923. Serial No. 610,416. 5 Claims. (Cl. 29-159.)



1. The method of producing a spur gear which consists in forming a cup-shaped sheet metal blank and compressing the rim of the blank with gradually increasing pressure between intermeshing toothed rotating surfaces.

1,510,890. SHOE FOR PREVENTING AND RELIEVING FLATTENED ARCHES. FREDERICK HUNTER, Boston, Mass. Filed Feb. 6, 1922. Serial No. 534,558. 3 Claims. (Cl. 36-76.)



1. A heeled shoe for the prevention and relief of flattened arches, comprising a shank-portion having a foot-supporting surface extending at its outer side forwardly from the heel-seat into proximity with the tread-surface of the sole in a plane substantially parallel to the tread-surface of the heel and sole, such parallel portion also extending in the same plane transversely to the opposite side of the shank beneath the extreme outer portion of the foot of the wearer.

3. A heeled shoe comprising a shank-portion having a foot-supporting surface extending at its outer side forwardly from the heel-seat into proximity with the tread-surface of the sole in a plane substantially parallel to the tread-surface of the heel and sole, and an upper rising substantially vertically from the outer side of the shank portion.

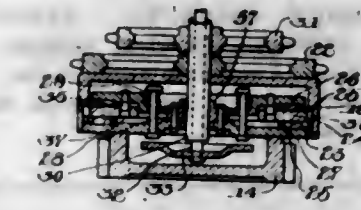
1,510,891. PROCESS OF MAKING CYANIDES. IRWIN S. JOSEPH, Rahway, N. J. Filed Apr. 23, 1923. Serial No. 634,179. 7 Claims. (Cl. 23-18.)

1. In a process of preparing alkali metal cyanides from commercial lime-nitrogen the step which consists in causing lime-nitrogen and a sodium salt capable of precipitating calcium to react in the presence of water and avoiding excessive alkalinity in the reaction mixture by adding the lime-nitrogen and the sodium salt to the water in successive small quantities.

1,510,892. CLUTCH. KOTARO KOBAYASHI, Tokyo, Japan. Filed Apr. 8, 1921. Serial No. 459,928. 1 Claim. (Cl. 192-53.)

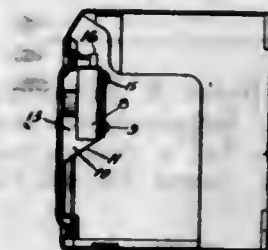
In combination, a clutch casing provided with internal teeth, a ring arranged in the casing and having peripheral

teeth engaging the teeth of the casing, friction rings arranged on the opposite sides of said toothed ring, disks also arranged on opposite sides of said toothed ring and engaging said friction rings, pins extending through said disks and provided with springs for forcing said disks towards each other, said toothed ring being provided with apertures, projections provided on one of said disks and engageable with said apertures for forming a positive



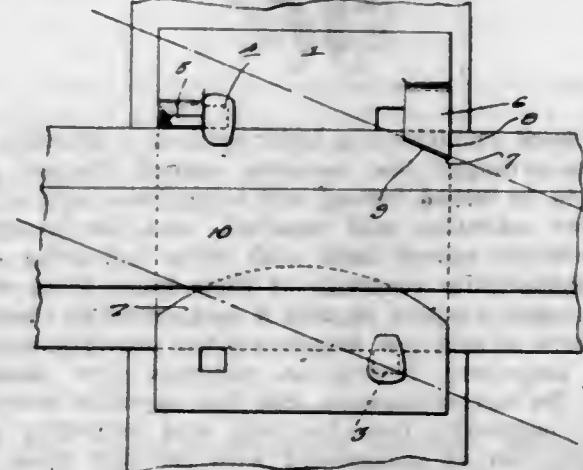
lock between the last mentioned disk and said ring, a hollow shaft fixed to said disks, a plate provided with pins extending through the other disk and engaging one of the disks for forcing the latter away from the disk with which it cooperates, a rod connected to said plate and extending through said shaft, and means for moving said rod axially in order to cause the last mentioned pins to move one of the disks away from the other disk.

1,510,893. TELEPHONE PAY STATION. GEORGE A. LONG, Hartford, Conn., assignor to Gray Telephone Pay Station Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 24, 1923. Serial No. 676,730. 2 Claims. (Cl. 220-55.)



1. A telephone pay station comprising a coin box having an opening, a door to fit the opening, a plate attached to the door and carrying a lock at the top and a toe at the bottom bearing against the inside of the under edge of said opening.

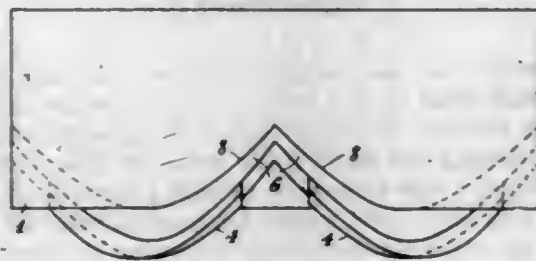
1,510,894. ANTICREEPER RAIL PLATE. RUFES M. LOVELACE, Crowder, Okla. Filed Feb. 23, 1924. Serial No. 694,749. 1 Claim. (Cl. 238-305.)



An anti-creeping rail plate comprising a body having at one side portion a lip extending from edge to edge of the body and provided at one end with an inner cut away wall portion, spike openings passing through the body and located in the vicinity of diagonally opposite corners thereof, a lug formed upon the body at the side of one of the spike openings, a prong formed upon the body and having a pointed end disposed toward the opposite spike opening, the inner end of the prong being

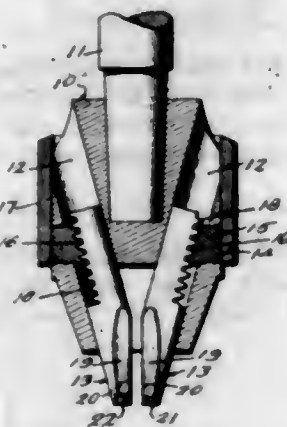
sheared diagonally whereby a vertically disposed sharp edge is provided at the extremity of the prong, said edge being located in the same plane as the adjacent edge of the body and the converging edges of the prong being sharpened at the lower face of the prong and adapted to cut into the base flange of a rail when a plate is applied.

1,510,895. TOOTHED GEARING. FREDRIK LJUNGSTRÖM, Brevik, Lidingon, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Nov. 4, 1921. Serial No. 512,928. 5 Claims. (Cl. 74-41.)



1. In a toothed gearing, a plurality of meshing gear wheels, one of said wheels being provided with spaces between the teeth deeper than those between teeth of normal profile and forming roots supporting the crowns of the teeth said roots being axially extended beyond the working surface proper of the teeth, the extensions of the roots having the same peripheral width as the roots themselves.

1,510,896. CHUCK. HARRY R. MCCONNELL, Richmond, Va., assignor to The McConnell-Browning Engineering Company, Richmond, Va., a Corporation of Virginia. Filed Mar. 2, 1923. Serial No. 622,346. 3 Claims. (Cl. 279-62.)

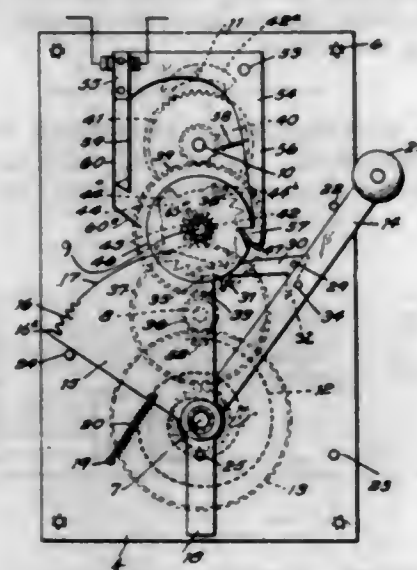


1. A chuck comprising a body portion, a plurality of circularly arranged jaw members carried thereby and adapted to be moved toward and away from each other, means for actuating said members, said jaw members being normally spaced from each other and being provided substantially centrally of their inner faces with gripping edges adapted to grip a tool centrally therebetween, each of said jaw members being provided with a portion projecting toward an adjacent jaw member whereby the spaces between said jaw members decrease in width outwardly from the tool, said projecting portions being out of engagement with the tool when the latter is gripped between said gripping edges.

1,510,897. COMBINATION WATCHMAN, PATROL, AND FIRE-ALARM TRANSMITTER. JAMES D. NELSON, Cincinnati, Ohio. Filed Oct. 8, 1917. Serial No. 195,228. 7 Claims. (Cl. 177-364.)

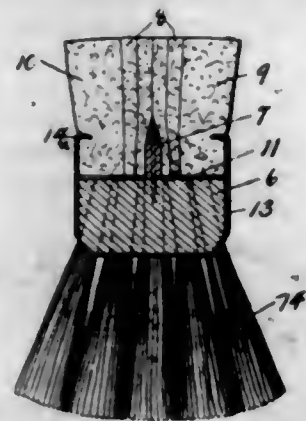
3. A selective signal transmitting device comprising a signal wheel having means for formulating a plurality of different signals, an actuating mechanism for the

signal wheel, means for conditioning the actuating mechanism for operation and mechanical means actuated by



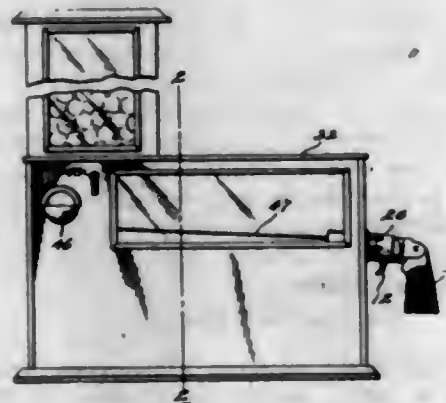
the conditioning means for positioning the signal wheel independently of said actuating means to transmit one of said signals.

1,510,898. COMBINATION BRUSH. FRANCIS G. NIKICSE, New York, N. Y. Filed Apr. 12, 1923. Serial No. 631,659. 1 Claim. (Cl. 15-223.)



A brush of the class described comprising a handle having a head, a longitudinally extending central rib in the top of the head, felt pads fastened to the top of the head and on opposite sides of the rib, and a pad clamping plate attached to the sides of the head said plate being provided with serrated struck out portions engaging the outer pads.

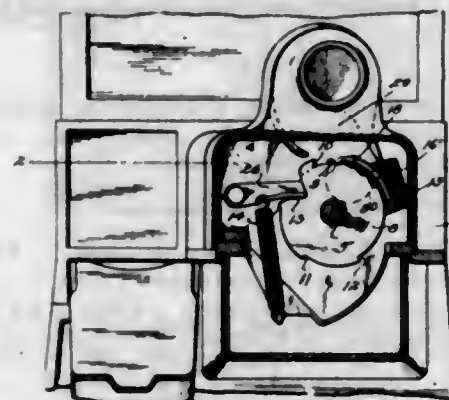
1,510,899. COMBINATION AMUSEMENT AND VENDING DEVICE. GEORGE E. NORRIS, Columbus, Ohio. Filed July 24, 1923. Serial No. 653,555. 9 Claims. (Cl. 194-76.)



1. A pistol of the class described comprising a barrel, a spring actuated hammer associated with the barrel,

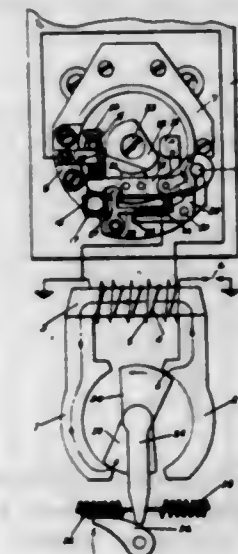
a trigger having a bar carried thereby, a detent pivotally connected with the bar, the barrel having an entrance slot to permit a coin to be placed between the detent and hammer, and means for swinging the detent laterally when the trigger bar is actuated to release the coin, whereby the hammer propels the coin from the barrel.

1,510,900. VENDING MACHINE. GEORGE E. NORRIS, Columbus, Ohio. Filed Sept. 4, 1923. Serial No. 660,666. 4 Claims. (Cl. 194-63.)



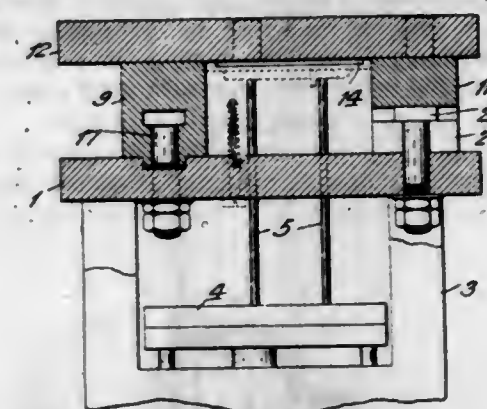
1. In a vending machine, a coin controlled mechanism comprising a shaft, a wheel rotatable with the shaft, a second wheel having webs of varying lengths thereon, a pawl, a coin chute capable of depositing a coin for engagement with the pawl, said pawl having a lug for successively engaging said webs to hold the pawl in an inactive position to permit the shaft to be rotated a predetermined number of times.

1,510,901. MAGNETO CIRCUIT BREAKER. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splittorf Electrical Company, Newark, N. J. Filed Nov. 25, 1921. Serial No. 517,774. 6 Claims. (Cl. 200-30.)



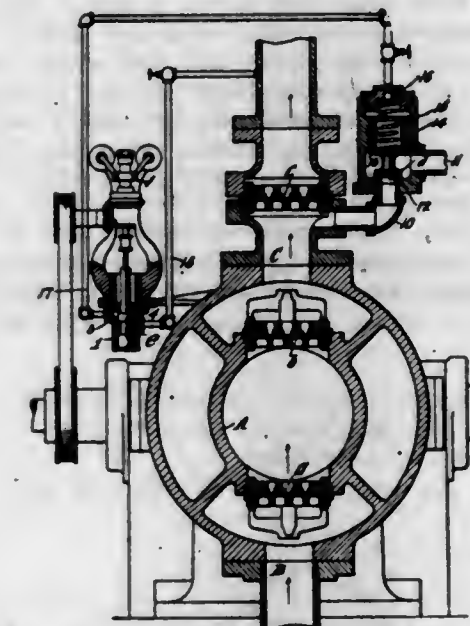
5. In a circuit breaker for a magneto of the oscillating type, a circuit breaker comprising a stationary contact, a movable contact, said movable contact being mounted on a movable arm, a bumper on one side of said arm, a cam engaging said bumper for moving said arm, a latching mechanism on the opposite side of the arm for engaging the same when moved to open position and means for releasing said latching mechanism upon movement of said cam.

1,510,902. DIE FOR DIE CASTING. HERMAN RAU, Hamilton Beach, N. Y., assignor to Doehler Die-Casting Co., a Corporation of New York. Filed Mar. 7, 1923. Serial No. 623,386. 8 Claims. (Cl. 22-100.)



1. An adjustable die for pressure casting comprising, in combination with an ejector member, a bottom plate through which the ejector member passes, and side pieces on the outer face of the plate arranged to enclose an impression block space and adjustable to vary the dimensions of the enclosed space.

1,510,903. COMPRESSOR-UNLOADING MECHANISM. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 10, 1921. Serial No. 436,036. Renewed Aug. 8, 1922. Serial No. 580,565. 12 Claims. (Cl. 233-24.)

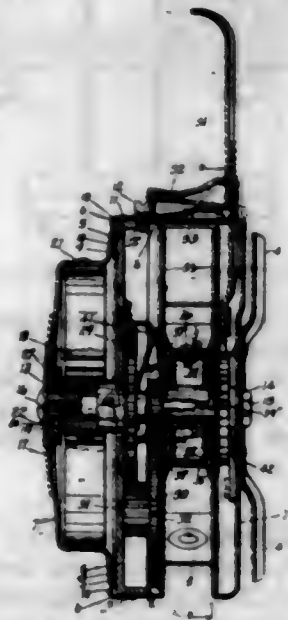


1. A speed controlled compressor unloader mechanism, consisting of a discharge connection from the cylinder, a check valve in said discharge, a low pressure by-pass connection from said discharge at a point intermediate said discharge check valve and the cylinder, a pressure controlled valve controlling said connection, a speed responsive device, and a pilot valve controlled by said device and controlling the pressure on said pressure-controlled valve to permit it to open at low speeds and close the valve when the compressor has attained the speed desired.

1,510,904. SPRING-WINDING FISHING REEL. SAMUEL G. RUSSELL, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed Mar. 30, 1923. Serial No. 628,687. 28 Claims. (Cl. 242-84.3.)

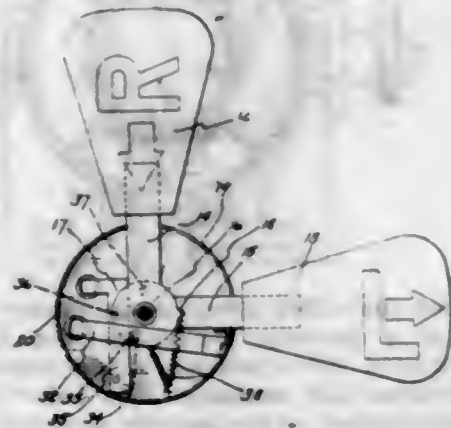
1. In a fishing reel, the combination of a cup-like casing provided with means for attachment to a fishing rod, a staff rotatably mounted on said casing, a holding ratchet means for said staff, a gear plate having a peripheral flange telescoping with said casing, means for supporting said gear plate against rotation, a spool

rotatably mounted on said staff and provided with a pinion, a driving gear provided with a driven ratchet member mounted for rotative and axial movement on said staff, connecting gears for said driving gear and spool pinion mounted on said gear plate, a driving ratchet member mounted on said staff to coast with said driven ratchet member, a cup-like spring case inverted upon said gear plate and secured to said staff and having an



outwardly projecting bearing flange, a bearing ring for said spring case provided with a flange telescoping with said gear plate and having a raised annular bead-like bearing portion coacting with said spring case bearing flange, a driving spring disposed within said spring case and having its outer end secured thereto and its inner end secured to said driving ratchet member, and a concavo-convex spring tension disc mounted on the end of said staff to engage said spring case.

1,510,905. AUTOMOBILE DIRECTION SIGNAL. JOHN SCHWOEBER, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,527. 4 Claims. (Cl. 116-53.)

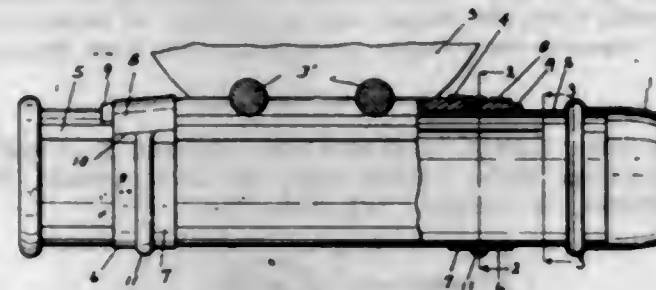


1. A device of the class described comprising a casing, a shaft mounted in said casing, an arm fixed to said shaft, an additional arm rotatably mounted on said shaft, semaphores on said arms, said arms having openings therein, springs secured to the arms of the casing and adapted to rotate said arms from the vertical to the horizontal position, and means for locking the arms in vertical position by engaging said openings.

1,510,906. REEL SEAT FOR FISHING RODS. WILLIAM SHAKESPEARE, JR., Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed Aug. 22, 1921. Serial No. 494,362. 2 Claims. (Cl. 43-32.)

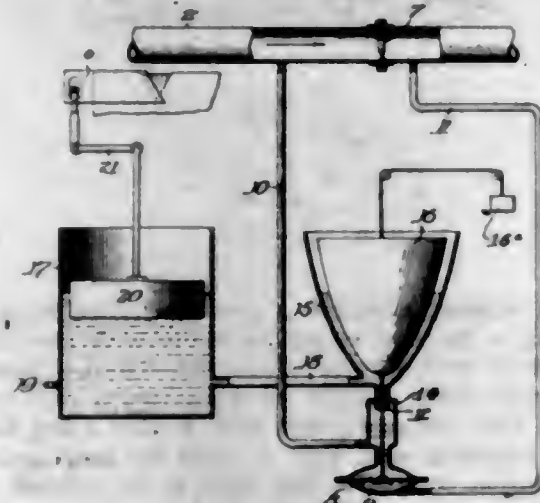
1. In a reel seat for fishing rods, the combination of a rod member provided with longitudinal ribs spaced to receive the seat-plate of a reel between them, and a pair of oppositely disposed clamps slidable on said rod

member and having cylindrically curved portions slidably fitting the rod member at the outside of said ribs and offset outwardly tapered portions adapted to engage a



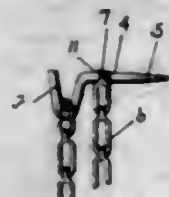
reel seat plate, the offsets constituting shoulders engaging the ribs whereby the clamps are supported against rotation on the rod member.

1,510,907. FEED REGULATOR. MILTON F. STEIN, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a Corporation of Illinois. Filed July 9, 1921. Serial No. 483,643. 7 Claims. (Cl. 137-78.)



1. In apparatus of the class described, the combination of detecting means responsive to variations in flow of liquid in a conduit, means controlled thereby for establishing a hydrostatic level, an equalizing float variably effective upon said means in response to variations in said hydrostatic level, said equalizing float being arranged to vary the effectiveness of said means in a predetermined ratio.

1,510,908. CURTAIN HOLDER. THADDEUS S. WAIT, Sturgis, Mich. Filed Dec. 31, 1921. Serial No. 526,208. 3 Claims. (Cl. 156-33.)

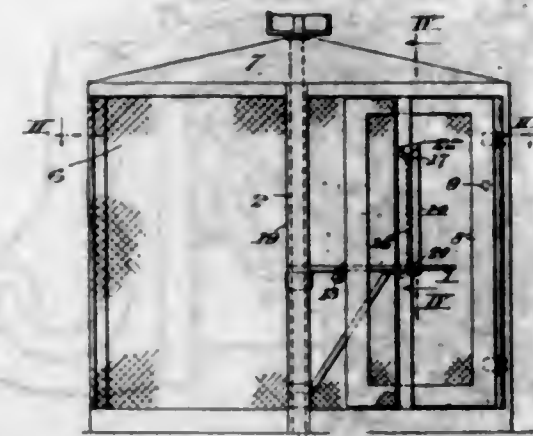


1. A curtain holder comprising an open laterally facing V-shaped hook provided with a shank having a threaded tip extending from one arm thereof, a chain, and a swivel connecting one end of said chain to said shank, the other end of said chain being free to be adjustably engaged in said hook.

1,510,909. SWITCH-CONTROL DEVICE. HAROLD M. WHITING, Rocky Point, N. Y. Filed Mar. 19, 1924. Serial No. 700,441. 11 Claims. (Cl. 246-309.)

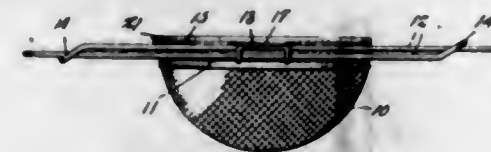
2. A manually operated switch lever, an enclosure therefor having a door, a lock for securing the door

to the switch lever when the door is open and the lever is in its "closed" position, and means requiring the opening of the lock and closing of the door to permit



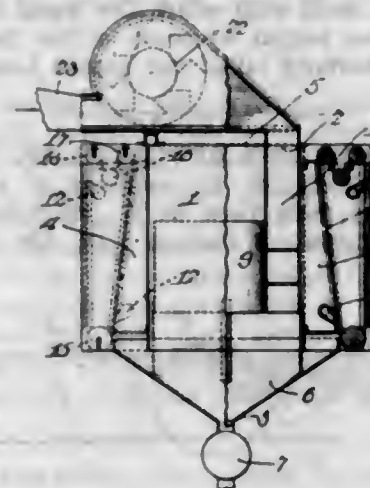
the moving of the switch lever to its "open" position and requiring the moving of the switch lever to its "closed" position to permit the opening of the door.

1,510,910. STRAINER. WALTER BRUCE WILLS, Baltimore, Md. Filed Apr. 20, 1921. Serial No. 462,871. 3 Claims. (Cl. 210-161.)



1. The combination with a strainer and a supporting frame having side bars between which the strainer seats; of a ring encircling the strainer and having pairs of integral outward bends at diametrically opposite points, cross bars connecting the outer ends of said bends, and downturned and inwardly directed hooks secured to the cross bars, in which hooks the side bars of the supporting frame seat.

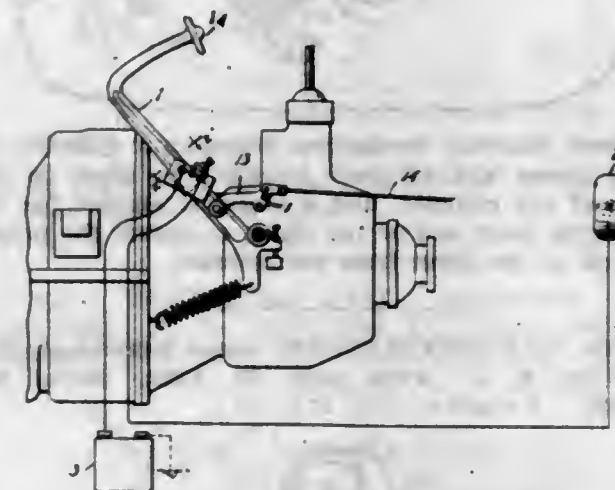
1,510,911. AIR-CLEANING DEVICE. JOHN C. ZEHFUS, Chicago, Ill. Filed Sept. 18, 1922. Serial No. 588,856. 4 Claims. (Cl. 183-61.)



1. An air cleaning device comprising a polygonal shaped casing vertically arranged and having an inlet for dust-laden air in the top thereof and an outlet for dust in the bottom thereof and outlets for cleansed air on each of the sides thereof communicating directly with the

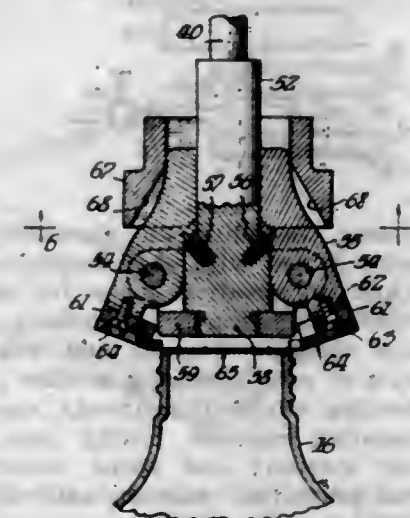
atmosphere, a fabric screen arranged across each of said air outlets, means coacting with said screens for keeping the meshes thereof open, and an axially arranged open-ended spiral-shaped deflector in said casing connected at its periphery with said inlet and adapted to diffuse the incoming dust-laden air current.

1,510,912. SIGNAL APPARATUS. EDGAR C. ALLEN, Rockford, Ill., assignor of one-half to Roger L. Knutson, Rockford, Ill. Filed May 19, 1923. Serial No. 640,008. 3 Claims. (Cl. 177-339.)



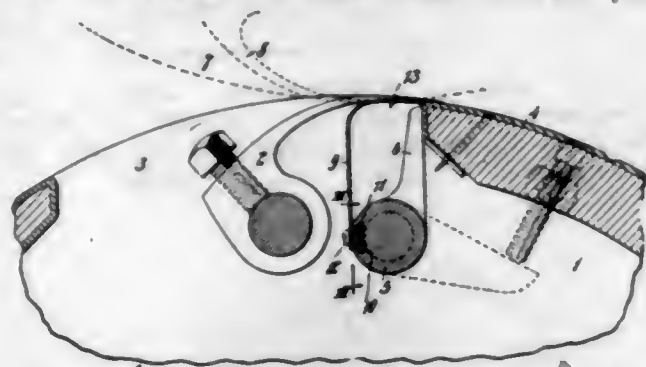
3. In a motor car, the combination of a brake member pivoted to swing forward to decelerate the car, a signal device, a source of electrical energy, and a mercury switch for making and breaking a circuit thru said signal device and said source of energy, said switch comprising a casing secured to said brake member, contact points within said casing, and a globule of mercury within the casing to bridge said contact points when said globule moves in the casing thru the combined action of momentum and the forward swing of the brake member.

1,510,913. BOTTLE-TOPPING MEANS. FRED C. AREY, Chicago, Ill., assignor to Horlick's Malted Milk Company, Racine, Wis., a Corporation. Filed July 18, 1921. Serial No. 485,578. 11 Claims. (Cl. 226-51.)



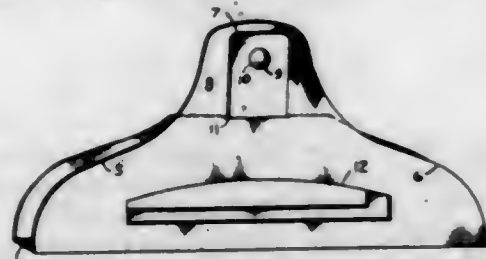
1. In a bottle sealing machine, a bottle support, a sectional head for pressing a gummed paper seal or the like upon the mouth of a bottle on said support, means for effecting the pressure-applying operation of the head and means for withdrawing the head sections over and in rubbing contact with the edge portions of the seal.

1,510,914. SHEET-HANDLING MECHANISM. HOWARD M. BARBER, Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Filed May 26, 1923. Serial No. 641,772. 5 Claims. (Cl. 101-409.)



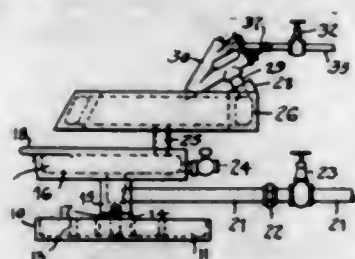
1. Sheet handling mechanism including a cylinder, its gripper recess and grippers arranged to close on the surface of the cylinder, and a skeleton support for the overhanging front end of the sheet, to ensure the proper taking off of the sheet from the cylinder.

1,510,915. GARMENT HANGER. AMLO BARTHOLDI, Jersey City, N. J. Filed Sept. 28, 1922. Serial No. 591,021. 2 Claims. (Cl. 211-13.)



1. A clothes hanger formed from an integral sheet of material folded back upon itself, thereby providing a neck portion and supporting means forming a double thickness of material, one of which passes through the other, thereby providing an interlock.

1,510,916. OIL BURNER. BERNHARDT C. BERG, Los Angeles, Calif. Filed Mar. 19, 1923. Serial No. 626,105. 3 Claims. (Cl. 158-73.)

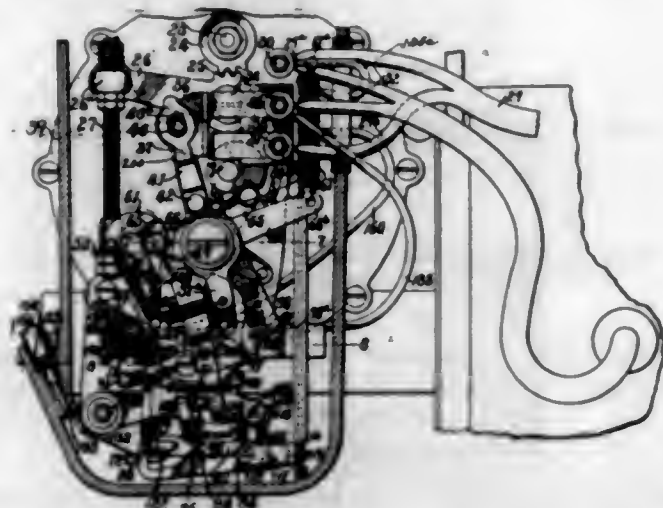


1. An oil burner, including an atomizing member, there being means joined with said atomizing member for generating and superheating steam for use in said atomizing member; said means comprising a hollow steam generating chamber beneath and relatively inclined to the axis of said atomizing member; a hollow, annular superheating chamber relatively spaced above said steam generating chamber, having said atomizing member mounted thereon; and steam connections between said steam generating chamber, said superheating chamber and said atomizing member.

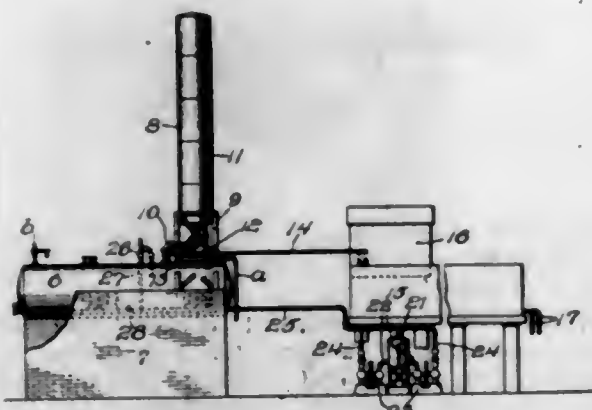
1,510,917. TIME SWITCH FOR ADDING MACHINES. THEODORE S. BINNSCHIEDLER, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed May 13, 1920. Serial No. 391,086. 16 Claims. (Cl. 200-122.)

1. In a time switch for controlling the circuit of a motor for operating adding machines and the like having

a clutch for controlling the operation of the adding machine by the motor, manually operated means for tripping the switch to close the latter, means for opening the switch after an actuation of the clutch, and a thermostat controlling the last said means.

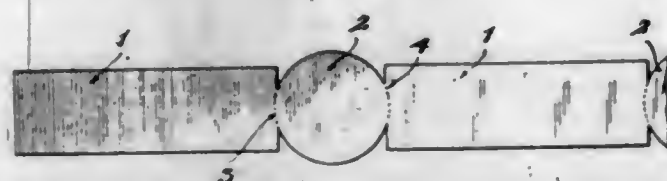


1,510,918. PROCESS OF PRESSURE DISTILLATION. ROBERT J. BLACK, Kansas City, Kans. Filed Apr. 30, 1921. Serial No. 465,874. 1 Claim. (Cl. 196-62.)



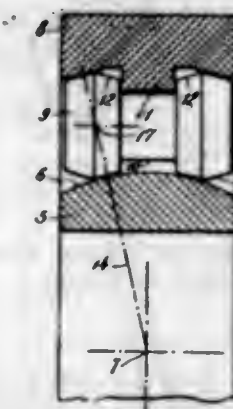
A process of making gasoline and the like, consisting in heating a body of heavier hydrocarbons at a cracking temperature under pressure in an externally heated shell still, and continuously injecting highly compressed still gases, enriched with gases containing a large amount of available hydrogen, against the most highly heated surface of the still shell with which the liquid is in contact, that is into the region of most active decomposition, and over substantially all of the heated area thereof.

1,510,919. LINING FOR REFUSE CANS. BERNARD H. BLANK, New York, N. Y., assignor of one-fourth to Joseph L. Levy, New York, N. Y. Filed Sept. 27, 1923. Serial No. 665,054. 5 Claims. (Cl. 220-65.)



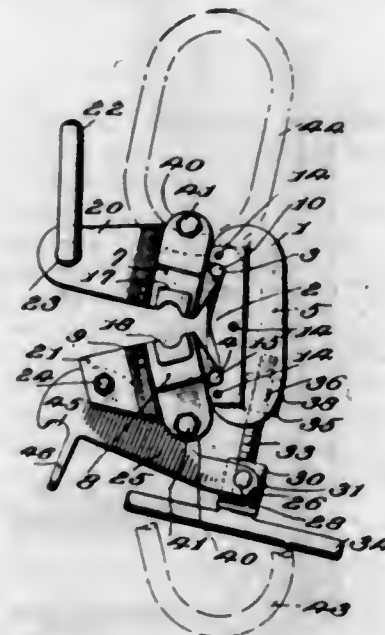
1. An article of the class described comprising a continuous strip of paper consisting of elongated sections adapted to form wall linings for the interior of a can, said sections being connected to and spaced by substantially circular sections adapted to form bottom linings for a can, all of the sections being adapted to be detached from one another.

1,510,920. ROLLER BEARING. WILHELM B. BRONANDER, Montclair, N. J. Filed June 15, 1920. Serial No. 389,153. Renewed Nov. 15, 1923. 13 Claims. (Cl. 64-39.)



6. A roller bearing comprising an inner bearing member having a convex track, rollers having inwardly facing conical bearing surfaces tangential to said convex track and bearing thereon, an outer bearing member and other bearing surfaces on the rollers cooperating with the outer bearing member.

1,510,921. CABLE CLAMP. CHARLES A. BUTLER, Okmulgee, Okla. Filed Dec. 3, 1923. Serial No. 678,282. 7 Claims. (Cl. 24-132.)

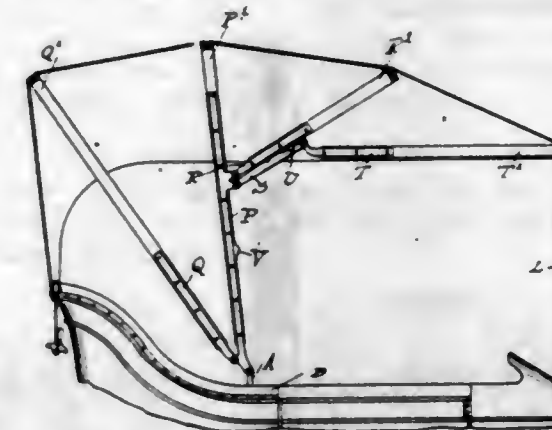


1. A cable clamp for well drilling apparatus comprising a main body, a pair of relatively short jaws pivotally mounted on and extending forwardly of said body so as to receive the cable between them, a lever pivotally mounted near its front end to the front end of one of said jaws to provide a short forwardly extending leg and a long rearwardly extending leg of said lever, means detachably connecting the short leg of said lever with the other jaw, and adjustable means on the long end of said lever for drawing said long end toward said main body whereby to clamp said jaws together.

1,510,922. FOLDING TOP FOR VEHICLES AND OTHER STRUCTURES. JAMES H. CLOYE, South Bend, Ind., assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio, a Corporation of Ohio. Original application filed Oct. 8, 1913. Serial No. 794,032. Divided and this application filed Mar. 31, 1922. Serial No. 548,417. 16 Claims. (Cl. 296-116.)

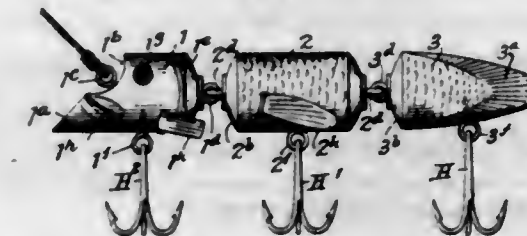
1. A vehicle top provided with a main bow, an articulated outrigger bow pivotally attached to said main

bow, and an intermediate bow detachably engaging one of the parts of said outrigger bow and adapted when



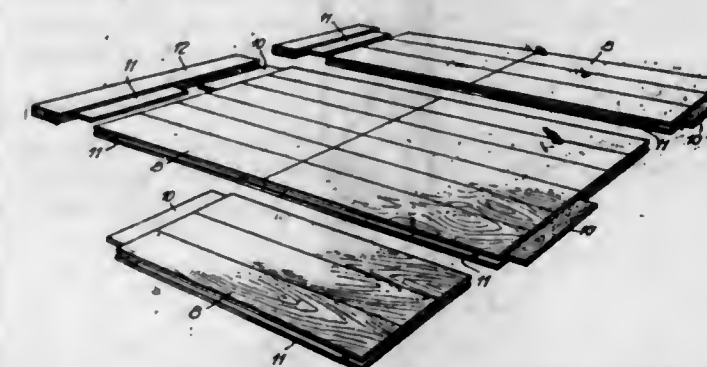
thus in engagement to limit the amount of bending at the joint between such parts.

1,510,923. ARTIFICIAL BAIT. ALEXANDER COSEY, Cambridge, N. Y. Filed May 12, 1922. Serial No. 560,343. 2 Claims. (Cl. 43-46.)



1. An artificial bait member having its front end beveled at an angle of approximately 45° inclining upwardly and rearwardly, the lower part of said beveled portion being flat surfaced on top, and a transverse concave recess in and below the surface of the upper portion of said beveled portion, the beveled portion being adapted to cause the bait to dive when pulled through the water and the concave recess adapted to limit the diving movement of the bait and cause it to move from side to side.

1,510,924. PARQUET FLOORING AND WALL PANELING. ERNEST STUART DANIELS, Washington, D. C., and HAROLD PITMAN SCHUCK, East Orange, N. J. Filed Mar. 27, 1924. Serial No. 702,426. 6 Claims. (Cl. 20-75.)



1. Individually formed composite floor and wall panel sections comprising multiple pieces of material secured together by transverse splines lodged within registering grooves in the ends of the respective pieces, the splines in one end of the sections being counter-sunk so as to leave a marginal groove in that end, and the splines in the opposite ends of the sections extending therefrom so as to provide a transverse tongue, the edges of said sections being correspondingly grooved along both sides to a depth equal substantially to the depth of the groove in their ends.

1,510,925. OIL-WELL HEATER. ISAAC DE KAISER, Wilkesburg, and ARTHUR G. POPCKE, Pittsburgh, Pa. Filed Feb. 8, 1921. Serial No. 443,462. 12 Claims. (Cl. 166-17.)



1. A subterranean well heater unit for disposition in a well, comprising a heat-conducting element for heating the well by heat radiation therefrom only and means to be disposed entirely in the well for heating said element and generating a continuously renewed supply of said heat for a predetermined period of time.

1,510,926. SUBTERRANEAN-WELL HEATER. ISAAC DE KAISER, Wilkesburg, and ARTHUR G. POPCKE, Pittsburgh, Pa. Filed Mar. 23, 1922. Serial No. 546,060. 19 Claims. (Cl. 166-17.)

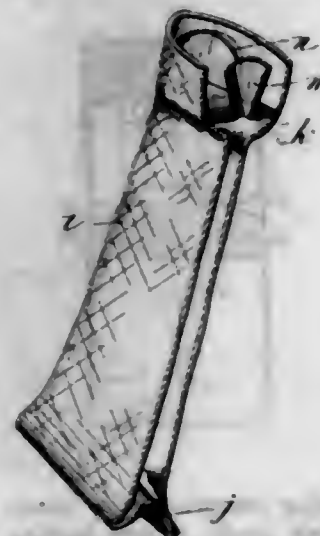


1. The combination with a heating device, of a renewable fuel cartridge therefor adapted to supply one predetermined amount of heat only and comprising a container, and a body of solid fuel in the container.

1,510,927. HOT-WATER BOTTLE AND FOOT WARMER. MORLAND MICHAEL DESSAU, London, England. Filed Oct. 29, 1923. Serial No. 671,562. 4 Claims. (Cl. 150-1.)

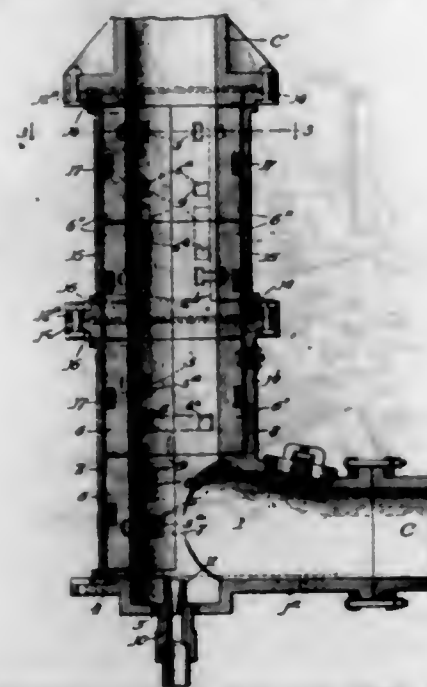
1. A container of the character described, comprising a body of india rubber having a substantially flat top provided with a centrally disposed filling aperture and a funnel-shaped mouthpiece communicating with said aperture.

the walls of said body being extended beyond said top and enclosing and protecting said mouthpiece the perimeter of the cross section of the portion of the body that extends



beyond said top being substantially the same as that of the corresponding cross section of the main portion of the body; the appearance of the container being that of a body having no projecting part, substantially as described.

1,510,928. JET-CONVEYER CONSTRUCTION. LOUIS ELLMAN, Chicago, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1921. Serial No. 499,719. 16 Claims. (Cl. 137-75.)

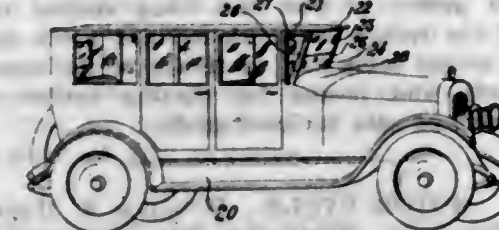


1. In a structure of the class described, a frame member having its terminal portions arranged to be secured to conduits to afford mutual rigid support, said frame member having a removable wall portion, and identical liners arranged in complementary relationship to form an internal conduit within said frame member, complementary liners being independently removable from the frame member when its removable wall portion is removed.

1,510,929. WINDSHIELD. LOUIS REGINALD EMDE, Newark, and ARTHUR PRYCE BAMFORD, Irvington, N. J. Filed Nov. 5, 1920. Serial No. 421,820. 8 Claims. (Cl. 296-84.)

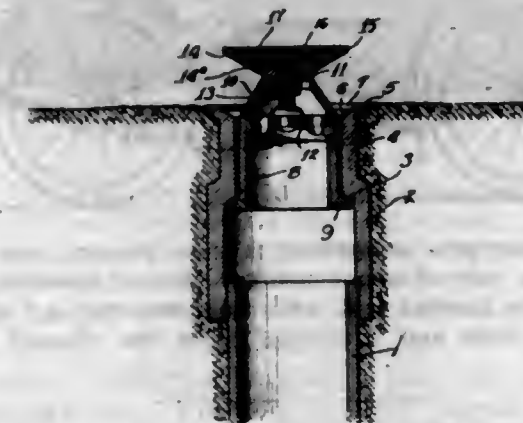
3. In an automobile having a cowl, a pair of upwardly flared standards secured at their lower ends to one side of said cowl, a pair of upwardly flared standards secured to the opposite end of said cowl, one standard of each of said pairs extending substantially vertically, the forward standard of each of said pairs extending forwardly in the direction of forward travel of the automobile, a top

for the automobile extending forwardly to the upper ends of said forward standards respectively, a section of trans-



parent material and means for mounting said section directly on said forwardly extending standards respectively.

1,510,930. SPRINKLING DEVICE. HOWARD H. ENELL, East Cleveland, Ohio. Filed Mar. 25, 1922. Serial No. 546,570. 2 Claims. (Cl. 299-61.)



1. A device of the character described comprising a housing having an outwardly flared seat in the upper end thereof and provided with a projection between the top and bottom thereof, a hollow plunger reciprocally mounted in said housing and having a projection adapted to engage the projection of said housing to limit the upward movement of said plunger, the said plunger having a central vertical outlet, a threaded stem carried by said plunger and projecting upwardly through said outlet, an outwardly flaring valve adjustably threaded on said stem cooperating with the outlet of said plunger and with said seat, and means for locking said valve in adjusted position, said means being adapted to lie flush with the top of said valve.

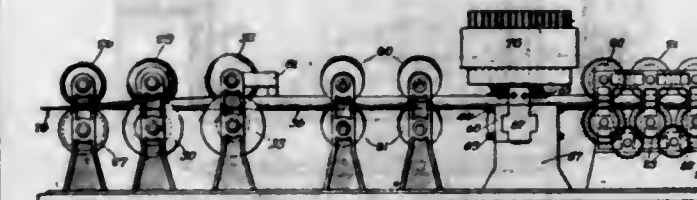
1,510,931. WINDOW-CLEANING SUPPORT. HERMANN FISCHER, New York, N. Y. Filed Aug. 21, 1920. Serial No. 405,076. 2 Claims. (Cl. 20-71.)



1. A window cleaning support, comprising a frame composed of two end bars and longitudinally extendible cross bars uniting said end bars, lateral longitudinally extendible arms fulcrumed to said end bars to swing vertically, a vertically foldable member fulcrumed to each end bar at a point above the lower end thereof and linked to said end bar, said foldable member being adapted in

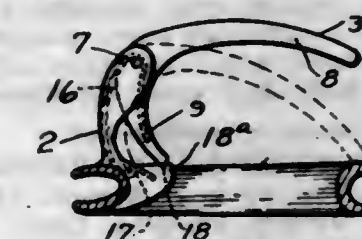
unfolded position to rest on the sill of the window, and means on the free ends of said arms for the removable attachment of said frame to the inside of the window frame, said arms and members being capable of being folded to lie in the same plane with said end bars and form therewith a substantially flat body.

1,510,932. TUBE MACHINE. JOHN F. GAIL, Evans-ton, Ill. Filed Nov. 8, 1920. Serial No. 422,419. 22 Claims. (Cl. 219-6.)



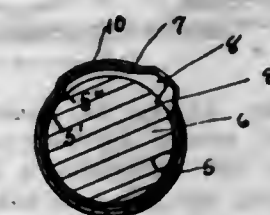
1. In a tube-welding machine of the character described, the combination of more than two rollers unitedly forming an opening through which the metal tube blank is adapted to pass, means to cause the blank to traverse said opening, supporting means for said rollers permitting them to revolve independently about their own axes, means to positively prevent said rollers from decreasing the desired size of said opening, two of such rollers being positioned to engage the tube on opposite sides of its longitudinal joint, and means to pass an electric heating current through such two rollers and the tube joint to weld the latter.

1,510,933. SAFETY HOOK. ROSS F. GEORGE, Seattle, Wash. Filed Aug. 11, 1923. Serial No. 656,837. 2 Claims. (Cl. 24-147.)



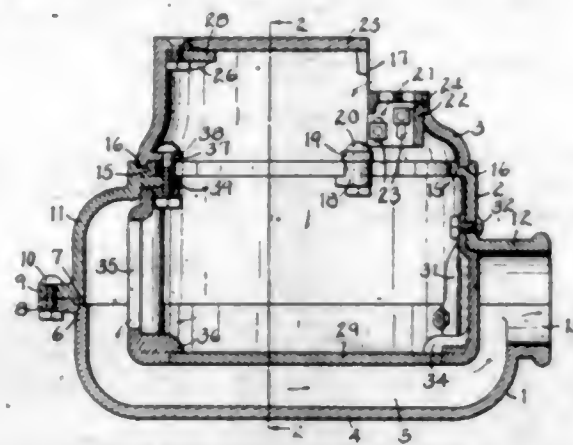
1. A safety hook having a crescent shaped member pivotally supported in a standard that is provided with means for attaching it to the surface of material, means for holding the crescent shaped member with the open side extending outward, and other means for holding the crescent shaped member with the open side extending downward or in the closed position.

1,510,934. SOAP-STICK HOLDER. FRANK GRANT, Westfield, Mass. Filed Mar. 18, 1922. Serial No. 544,840. 2 Claims. (Cl. 206-56.)



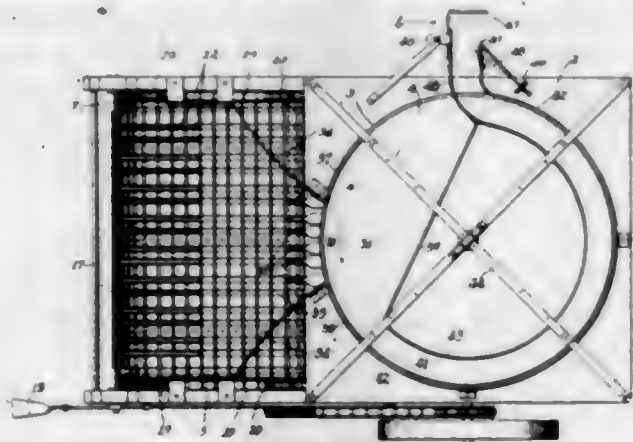
1. A soap stick holder consisting of a tube, a clutch spring secured by one end in said holder and having a U shaped terminal, said tube having an opening through which said terminal is adapted to move, and a sleeve mounted to rotate on said tube and provided with an offset wall portion providing a pocket in which said U shaped terminal can project and arranged to be rotated relative to the tube so as to force said terminal into a clutching engagement with a soap stick inclosed by the tube.

1,510,935. CATCH BASIN. LEON GSCHWIND, Youngstown, Ohio. Filed July 18, 1923. Serial No. 652,366. 8 Claims. (Cl. 182-6.)



1. In a catch basin, the combination of a bottom section provided with a channel-like trap passage extension disposed transversely thereof, an intermediate section provided with an extension at its rear side complementing the rear end of said trap passage extension providing a trap inlet and an extension at its front side complementing the front end of said trap passage extension providing a trap discharge, said intermediate section being cylindrical at the top, a removable cover for said trap passage, a removable passage wall plate disposed at the front end of said cover plate, a removable grate for the trap inlet, said wall plate and grate having lugs overlapping the ends of said cover plate whereby it is secured in position, a top section having a cylindrical bottom fitting the cylindrical top portion of said intermediate section whereby it may be rotatably adjusted thereon, means for securing said top section in its adjusted positions on said intermediate section, said top section being provided with a curb inlet opening, and a curb grate frame comprising a front and end walls vertically adjustable within said curb inlet opening thereby facilitating grade adjustment.

1,510,936. BOTTLE-FEEDING APPARATUS. HERMAN G. HAEMKER and NICHOLAS F. MERSCH, Palatine, Ill., and HENRY E. MERSCH, Pasadena, Calif. Filed Nov. 30, 1921. Serial No. 518,820. 13 Claims. (Cl. 214-01.)

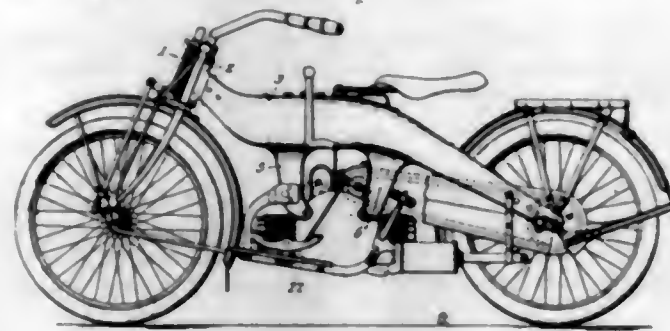


1. A bottle feeder having, in combination, bottle-advancing means to receive bottles from a case, and an inverter for the case comprising a longitudinal flat member pivoted along one side and adapted to contact a side of the case, a series of fingers at right angles to said member substantially at the pivotal line, the fingers being arranged to cover the open top of the case and to hold the bottles therein upon inversion, said member being pivotally movable to bring the fingers into spaces in the bottle-advancing means to allow the bottles to rest upon the advancing means, whereupon removal of the case in the inverted position releases the bottles to be advanced.

2. A bottle feeder having, in combination, a top plate having a circular opening therein, a table mounted to

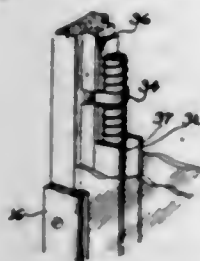
rotate in said opening and in the plane of said top plate, a guide rail extending partly around the edge of said opening, a concentric guide supported above the table, said guides at one end being shaped to direct bottles off the rotary table, an inclined guide supported above the rotary table and continued in the second-mentioned guide, and means for placing bottles on said table in front of said inclined guide.

1,510,937. MOTOR CYCLE. WILLIAM S. HARLEY and ADAM ZISKA, Jr., Milwaukee, Wis., assignors to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 1, 1919, Serial No. 335,004. Renewed Feb. 27, 1924. 13 Claims. (Cl. 180-33.)



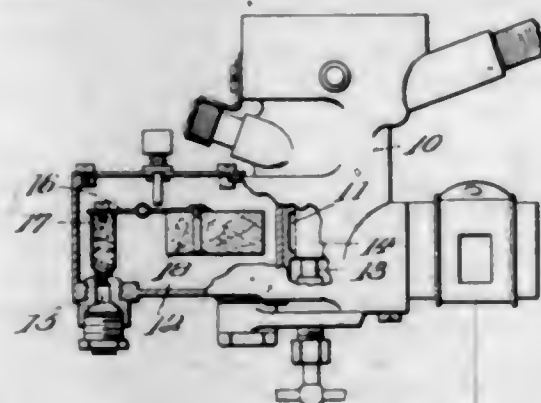
1. A motorcycle comprising a front journal, rear axle supports, a pair of complementary channel members connecting the journal and axle supports, and an engine suspended from and positioned below the channel members.

1,510,938. HEATED WINDSHIELD. FLORA A. HEALY, Wallingford, Conn. Filed Apr. 1, 1924. Serial No. 703,508. 1 Claim. (Cl. 20-40.5.)



In a heated windshield, a compartment having front and rear panes of transparent material, a frame for holding said panes, a plurality of porcelain tubes disposed between said panes adjacent the edges thereof and within the frame opening, an electric heating wire coiled about said tubes, means for supplying current to said wire, and a shield of channel form in which said tubes are disposed with the web of the channel between said frame and tubes.

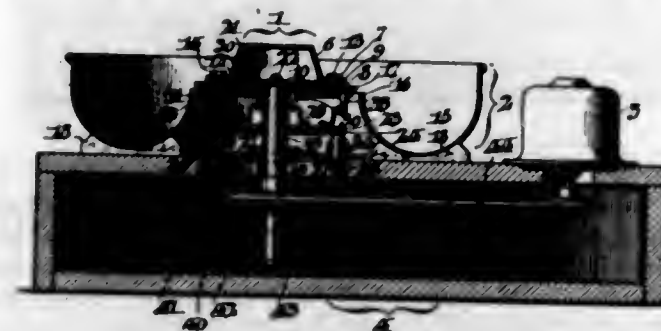
1,510,939. CARBURETOR. JAMES HURST, San Francisco, Calif. Filed Feb. 27, 1923. Serial No. 621,630. 7 Claims. (Cl. 137-104.)



2. A carburetor of the character described comprising a casing provided with a float chamber having an inlet

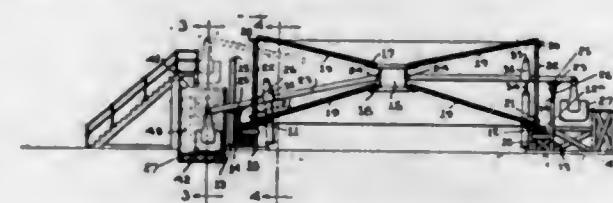
and an outlet, a lever pivotally mounted in said float chamber, an actuator of approximately the same specific gravity as that of the liquid to be supplied to said chamber, whereby it will normally tend to submerge itself in the fluid entering said chamber said actuator being secured to one end of said lever, and an inlet valve secured to the other end of said valve lever, said valve being of sufficient weight to seat itself during submergence of said actuator.

1,510,940. CANDY MACHINE. CHRISTIAN HUTH, Philadelphia, Pa. Filed Dec. 15, 1922. Serial No. 607,078. 10 Claims. (Cl. 107-8.)



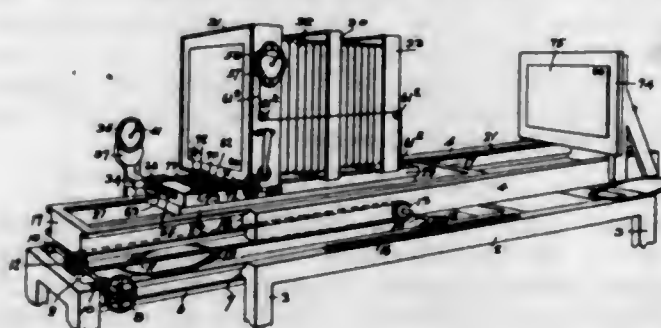
1. In a machine for spinning substances liquefiable by heat, the combination of a spinning element, and a heating means including electric heating elements of different resistances for selective connection to a source of current to produce different degrees of heat.

1,510,941. MERRY-GO-ROUND. IVOR W. JONES, Birmingham, Ala. Filed Dec. 29, 1923. Serial No. 683,423. 10 Claims. (Cl. 46-24.)



1. A roundabout having a substantially circular track, a car carrying means adapted to be supported by the track and with relation to which track the said means travels, means adapted to be driven carrying the said first mentioned means with relation to the track, the said track having a gap where the said car carrying means is unsupported and into which gap the car carrying means descends precipitously, and means for arresting the car carrying means in its descent.

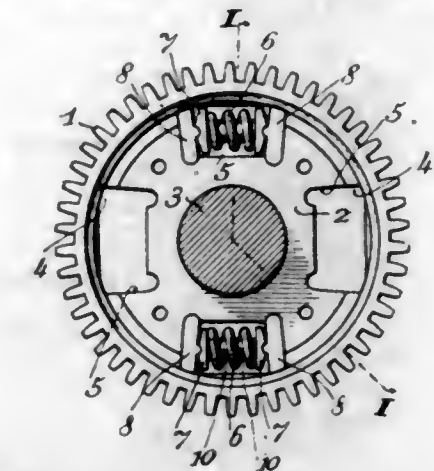
1,510,942. CAMERA-EXTENSION INDICATOR. EDWARD F. KINZLER, Pittsburgh, Pa., assignor of one-half to Robert Rawsthorne, Jr., Pittsburgh, Pa. Filed July 7, 1921. Serial No. 483,011. 8 Claims. (Cl. 88-24.)



1. In a device of the character described, the combination with a suitable frame, of a carriage movable back and forth on said frame, a camera on said carriage, a dial for indicating the camera extension, an indicator hand on said dial, means for operating said hand by the movement of said carriage, a dial on said camera

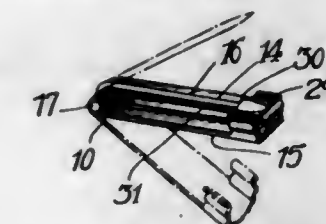
for indicating the bellows extension, an indicator hand for said last-named dial, and means for operating said last-named indicator hand by the expansion or contraction of the bellows.

1,510,943. RESILIENT GEAR WHEEL. OLAF KJELSBÆG, Winterthur, Switzerland. Filed Apr. 10, 1924. Serial No. 705,635. 4 Claims. (Cl. 74-29.)



1. A resilient gear wheel comprising in combination a wheel body, a toothed rim rotatably mounted on said wheel body, a plurality of plates co-operating with said wheel body, and said toothed rim, helical springs tangentially arranged and co-operating with said plates, and caps interposed between said springs and said plates and provided with stops for limiting the deflection of said springs.

1,510,944. LINGERIE CLASP. ALMA MARIE LASSEN, New York, N. Y. Filed July 22, 1924. Serial No. 727,456. 7 Claims. (Cl. 24-85.)



3. A device of the type described which comprises, a strip of metal bent to form a flat, open ended loop, and a pin having a transverse stop element and a stem portion extending through an opening in said strip of metal, said pin and said metal strip having relative bends to lock said pin in said loop and to lie along an outer face of the loop.

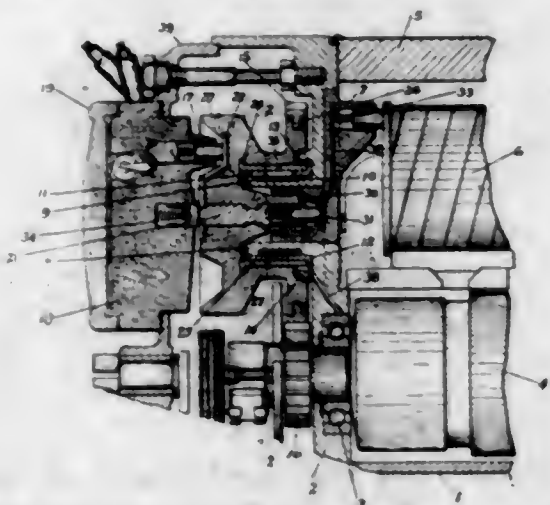
1,510,945. RADIO RECEIVING SYSTEM. EARLE B. LEWIS, Waterbury, Conn. Filed Aug. 8, 1922. Serial No. 580,455. 2 Claims. (Cl. 250-20.)



1. In an audion radio receiving system, a grid circuit, an audion tube, an absorbing device for the undesired oscillations fed back into said grid circuit from said audion tube comprising an inductance coil in said grid circuit, said coil including an outer stationary metallic ring in series therewith, an inner closed ring located within said outer ring and mounted on an axis which is in the plane of said outer ring, said

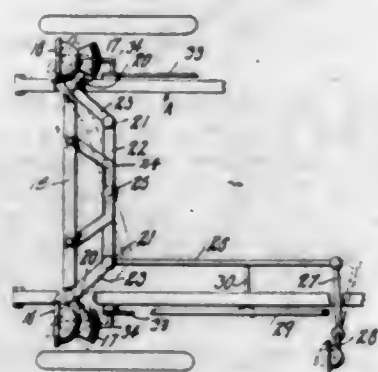
inner ring being adapted to be rotated on its axis, whereby the energy of said oscillations will be selectively absorbed by induction and dissipated as heat.

1,510,946. MAGNETO DISTRIBUTOR AND BEARING THEREFOR. ALBION D. T. LIBBY, East Orange, N. J., assignor to Spittford Electrical Company, Newark, N. J. Filed Feb. 11, 1922. Serial No. 535,758. 7 Claims. (Cl. 123-140.)



1. In a magneto generator, a front bearing plate having a hub projecting therefrom, an annular groove in said hub, a bearing collar fitting over said hub and having an opening at the top into said groove, a distributor gear having a sleeve adapted to rotatably fit over said collar, a distributor disc carried by the gear, a wick positioned in said groove so as to project through the opening in said collar, and means for passing lubricant to said groove and wick for the purpose described.

1,510,947. ATTACHMENT FOR TILTING AND REVOLVING HEADLIGHTS. CHARLES HENRY LIDDELL, Raymond, Wash. Filed Aug. 21, 1922. Serial No. 383,248. 1 Claim. (Cl. 240-61.)

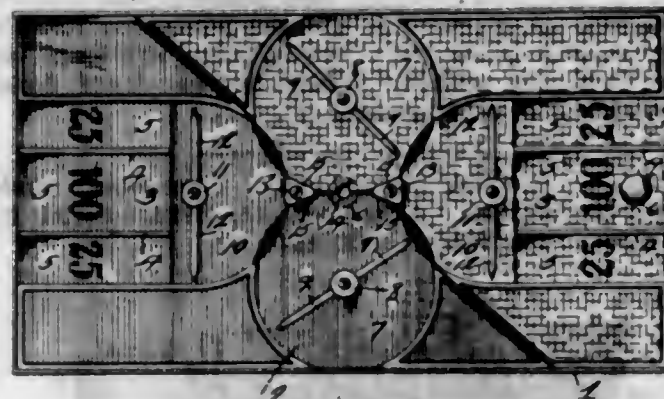


In a dirigible headlight for vehicles the combination with the body of a vehicle of vertically disposed lamp shafts rotatably mounted on said body; means actuated by the steering gear of the vehicle for oscillating said shafts about their vertical axes; a hinge carried by the upper end of each of said shafts, one leaf of which is extended and provided with an arcuate opening; lamps secured to said leaves; a vertically movable actuating rod passing through said opening and having sliding engagement with said extension; and pedal operated means for moving said rod.

1,510,948. FUR-CLEANING PROCESS. JENNIE R. MCCORMICK, Wichita, Kans. Filed Dec. 19, 1922. Serial No. 607,873. 1 Claim. (Cl. 87-5.)

The herein described process of cleaning fur consisting in rubbing the fur both ways with a cloth dipped in a mixture of substantially 83 parts benzol and substantially 16 parts chloroform.

1,510,949. GAME. DOUGAL T. MCKINNON, Norfolk, Nebr. Filed Apr. 19, 1923. Serial No. 683,134. 1 Claim. (Cl. 46-61.)



A game comprising board, rotatable blades pivotally mounted on said board and centrally pivoted, means for supporting a ball on said board between said blades and in the path of the ends of said blades, triangular shaped, deflecting lugs carried by the board adjacent the ball supporting means and out of the path of the ends of the paddles, arcuately shaped walls, disposed to the outside of the paddles and adjacent which the ends of the paddles move, rotatable paddles disposed on the board to the outer end of the deflecting lug, and arcuate shaped walls adjacent the ends of said last named paddles.

1,510,950. ROUND COLUMN CLAMP. CHARLES M. MARKHAM, Milwaukee, Wis. Filed Nov. 15, 1919. Serial No. 338,410. 1 Claim. (Cl. 24-24.)

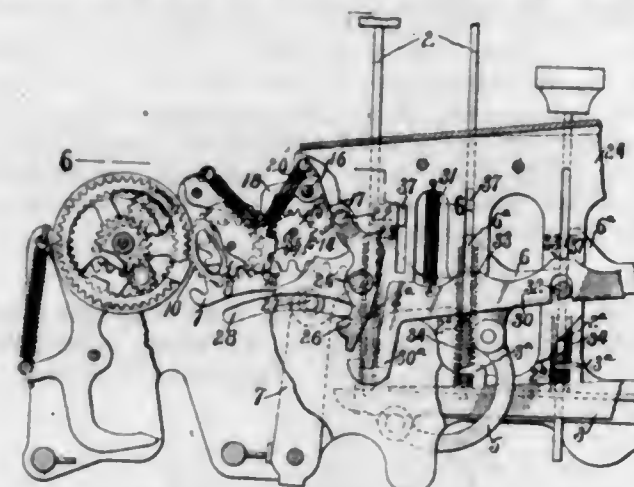


A clamp for holding segmental forms together in constructing concrete columns, comprising a horizontal curved clamping member having outwardly extending ears near one end thereof, a circular flexible metal band connected to the inner side of the opposite end portion of the clamping member and having its free end extending around the outer side of the clamping member and between the ears thereof, and a cam member positioned between the ears and pivotally connected thereto and having a rounded hub portion free from projections and an inwardly extending cam surface with transversely extending teeth which automatically impinge against the outer surface of the free end portion of the band and clamp it to the smooth outer surface of the clamping member, the curve of the said clamping member being approximately the same as the curvature of the forms held by said member.

1,510,951. KEY-DRIVEN CALCULATING MACHINE. JOHN J. MORSE, Cleveland, Ohio, assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 5, 1923. Serial No. 666,683. 10 Claims. (Cl. 235-129.)

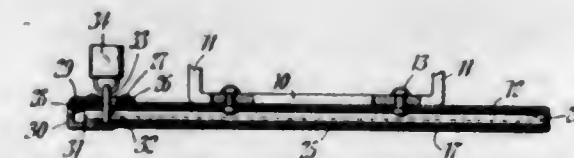
2. In a machine of the class described, the combination with registering mechanism, depressible keys, actuators, transmission mechanism including driving and driven members, and means for keeping said members in step; of devices applied to said means normally blocking additive movement of the driven member, with provisions for unblocking at the end of the downstroke of a key

and for interposing an obstruction against redepression of such key prior to completion of its upstroke; and



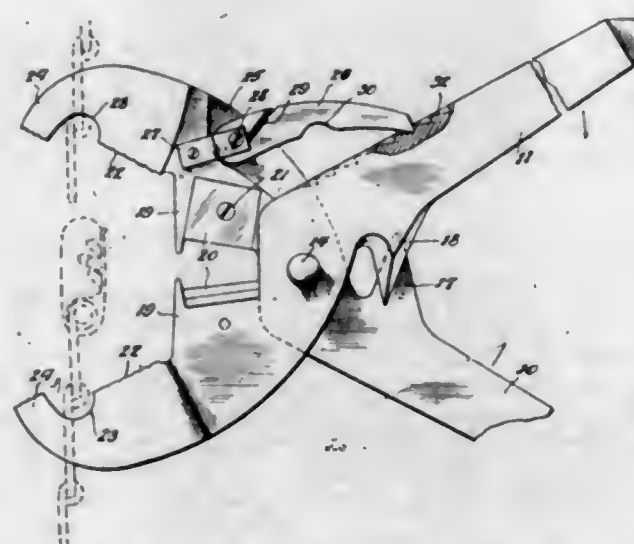
also provisions for coupling the key to the actuator from the time the key starts down to the time it completes its return stroke.

1,510,952. AUTOMOBILE LICENSE-PLATE HOLDER. FRANK MURPHY, New York, N. Y., assignor of one-half to Henry Rotenberg, New York, N. Y. Filed Apr. 22, 1924. Serial No. 708,114. 3 Claims. (Cl. 40-125.)



1. A license plate support comprising a casing rigidly attached to a vehicle, slideways on the upper and lower edges of said casing, a license plate having an opening near one of its ends, a leaf hinge having one member fixed on said casing, a hasp carried by the other member of said hinge, said hasp being adapted to pass through the openings in said plate and casing, and means for locking said hasp when in an engaged position.

1,510,953. TIRE-CHAIN TOOL. WILLIAM W. MURPHY, Basin, Wyo. Filed June 13, 1922. Serial No. 568,042. 2 Claims. (Cl. 254-78.)

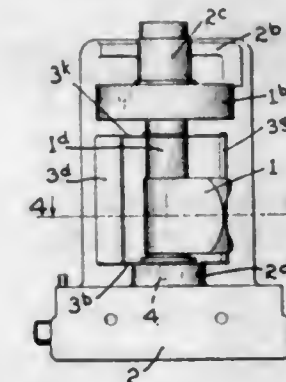


1. A tool of the character described including pivotally connected levers having coacting jaws, the jaw of one of said levers being provided with a recess, a spring bracket secured to said jaw, a pawl normally lying in said recess projecting at one end beneath the bracket, a post extending through the bracket and pawl to engage said jaw pivotally supporting the pawl near said end thereof, and a spring surrounding said post pressing the pawl downwardly to lie within said recess, the pawl being pro-

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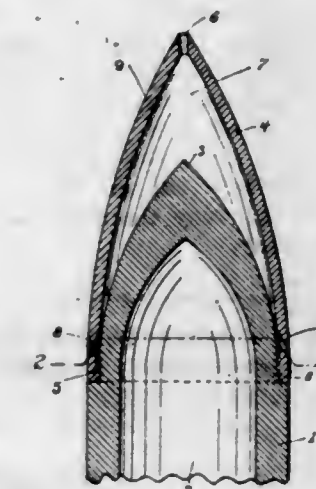
vided at said end thereof with a beveled face whereby when the free end of the pawl is swung upwardly the bracket will rock the pawl laterally to engage at its free end with the other of said levers for locking the jaws against spreading movement.

1,510,954. DIE PROTECTOR. GEORGE EDWARD NOTHROP, Stamford, Conn., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed June 27, 1923. Serial No. 648,041. 6 Claims. (Cl. 101-91.)



1. For a machine of the character specified, a die protector, comprising parallel base and head portions connected by an intermediate portion, said base and head each having a circular opening at their centers, and the edges thereof having concave, convex, and straight portions; and said base having a tongue portion extending from the edge thereof intermediate and convex and concave portions, and said head having a slot adapted to receive the end of said tongue portion; said protector being adapted to be placed around the die with the shaft of said die passing through the circular openings in the base and head portions.

1,510,955. PROJECTILE. PERL E. PAISLEY, Bellaire, Ohio. Filed Apr. 19, 1924. Serial No. 707,657. 6 Claims. (Cl. 102-28.)

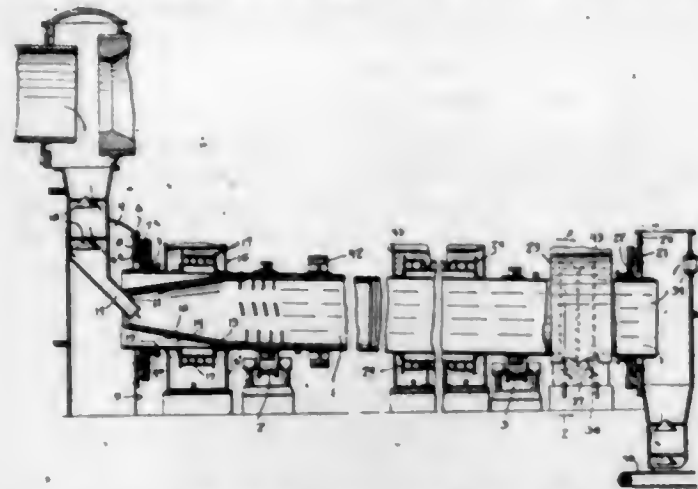


5. The combination with an explosive-carrying projectile, of a windshield rigidly attached to said projectile and covering the nose thereof, said windshield being so shaped as to form an expansion chamber for air forward of and around said nose, said chamber having connection with the exterior of said windshield by an axial aperture in the forward end of said windshield and by a plurality of vents located near the rear end of said windshield.

1,510,956. HEAT-TREATMENT APPARATUS. WALTER G. PERKINS, London, England. Filed Dec. 26, 1922. Serial No. 609,167. 15 Claims. (Cl. 263-33.)

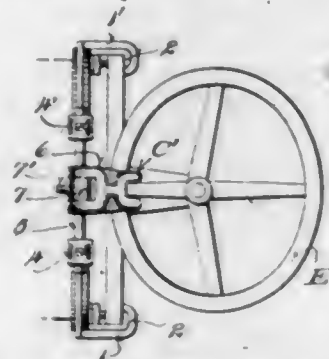
1. In apparatus for carrying out a process of heat treatment of materials the combination of a rotary drum

for sustaining a high internal temperature, an annular guard carried by the drum and operating to screen a



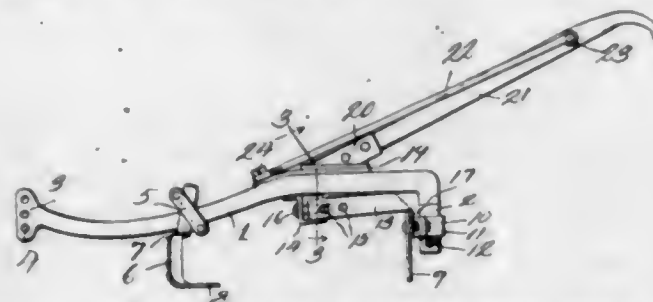
zone of the wall of the drum from the heat emanating from the materials within the drum, and a stuffing box for the drum at the said zone.

1,510,957. ALIGNING DEVICE FOR TRACTOR STEERING MECHANISMS. ORLANDO H. PERRY, Fort Atkinson, Wis. Filed Dec. 26, 1923. Serial No. 682,679. 1 Claim. (Cl. 74-33.)



In a tractor having a dash-frame, a steering mechanism and a spoked steering wheel for controlling the steering; the combination of a steering alignment attachment comprising a bracket, means for securing the bracket to the dash-frame, the said bracket being provided with a stud positioned in juxtaposition to the steering wheel and approximately upon a common plane with one edge of the same, and a forked tumbler pivotally mounted upon the stud, the forks of the tumbler being adapted to selectively engage one of the spokes of the steering wheel, whereby the same is held against movement at its periphery.

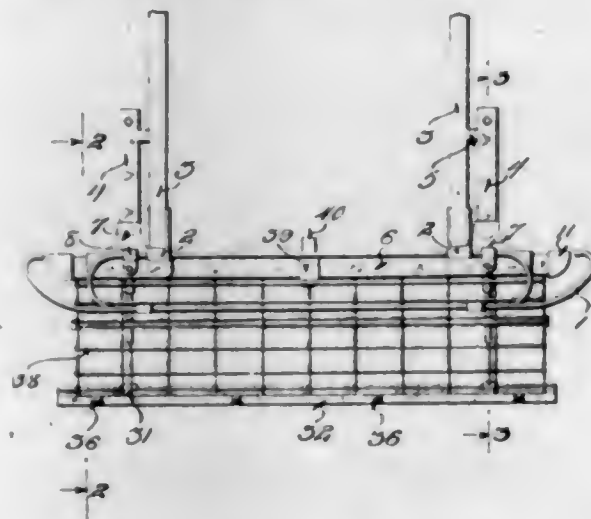
1,510,958. GRADER. WILLIAM BARTON QUILLEN, Fall River Mills, Calif. Filed July 11, 1923. Serial No. 650,859. 1 Claim. (Cl. 37-177.)



The combination with a ground scraping device comprising a beam, means for supporting the forward end of said beam, handle members extending rearwardly from the beam, of a scraper, said scraper being movable to various angles in a horizontal plane, a rearwardly extending bracket carried by the rear side of said scraper, a downwardly extending arm carried by the rear end of the beam rearwardly of the scraper and on which the

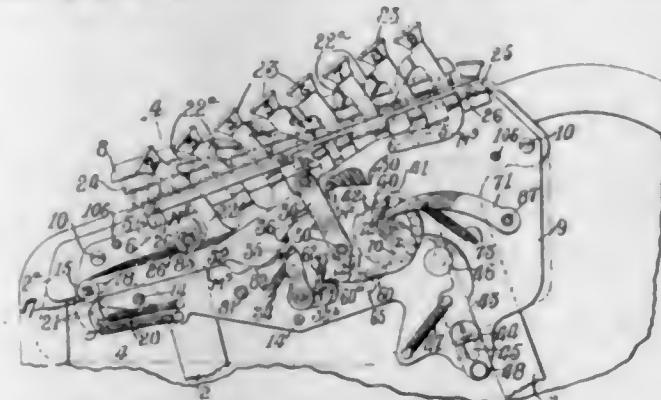
scraper bracket is pivotally mounted, a segmentally shaped horizontally disposed apertured brace member carried by the scraper, the ends of said brace member being secured to the rear side of the scraper, said brace member extending loosely through a U-shaped bracket carried by the under side of the beam, a horizontally disposed bolt carried by the last named bracket and extending through the opposite walls of the U-shaped member and cooperating with the apertured segmentally shaped brace member for holding said brace member in various adjusted positions.

1,510,959. COMBINED BUMPER AND FENDER FOR AUTOMOBILES. CHARLES S. RAYMOND, Milwaukee, Wis. Filed Dec. 13, 1923. Serial No. 680,426. 2 Claims. (Cl. 293-26.)



1. In an automobile having side frame bars the combination of an outwardly projecting bumper carried by said side frame bars, and a fender comprising a pair of supporting arms secured to said side frame bars and to said bumper and located rearwardly of said bumper, said fender having a pair of telescopic members biased to extended position and pivoted to said supporting arms, a net carried by said fender, electrically operated means for normally retaining said fender in contracted position adjacent said arms, and a switch mounted within easy access of the driver for controlling said electrical means, said fender when in contracted position being positioned beneath and rearwardly of said bumper.

1,510,960. ADDING MACHINE. FRANK C. RINSCH, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed June 19, 1920. Serial No. 390,212. 14 Claims. (Cl. 235-60.)



2. A multiple stroke attachment for adding machines comprising a supporting frame mountable upon the machine, a set of keys carried in said frame, detenting means for holding any key in set position, a rotary counting and key-releasing member differentially related to the keys, and means for imparting step-by-step movement to said counting member, together with provisions

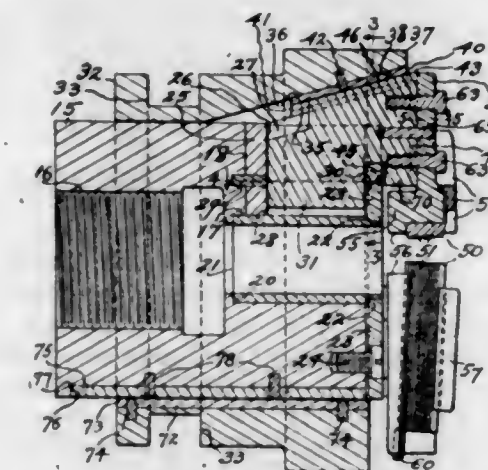
for rendering said means operative for such purpose by the setting of a key, and for effecting release and restoration to normal of the counting member upon release and restoration of the set key.

1,510,961. UMBRELLA RUNNER AND TIP CUP. JOHN ROSE, Atlantic City, N. J. Filed Jan. 31, 1923. Serial No. 616,083. 7 Claims. (Cl. 135-28.)



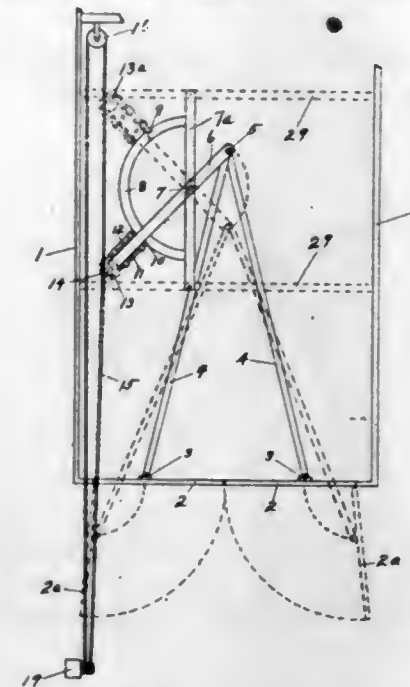
1. An umbrella runner having an abutment, a tip cup enclosing and slidable on the runner, and a spring interposed between the abutment of the runner and the bottom of the tip cup.

1,510,962. CUTTER HEAD. GEORGE W. RUSSELL, Cleveland, Ohio, assignor to The Acme Machinery Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 9, 1923. Serial No. 650,315. 15 Claims. (Cl. 10-95.)



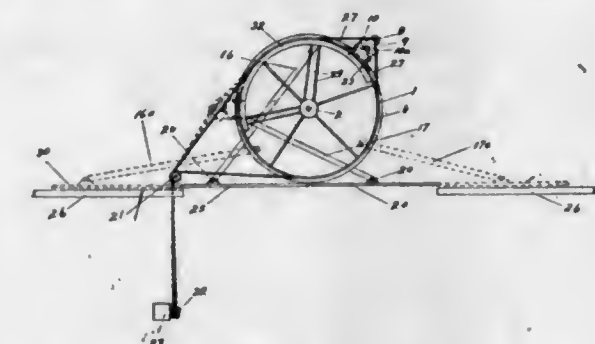
1. A cutter-head of the character indicated comprising a body which has a central bore extending rearwardly from the forward end face of the body and at each of a plurality of points spaced circumferentially of said bore has a guideway extending inwardly from the outer circumference of the body and having a forward wall spaced from the outer end of the guideway, a sleeve slidably mounted on said body, a slide engaging said guideway and having a member which extends from said guideway forwardly and opposite and beyond the outer end face of said wall and has the portion thereof which is opposite said face spaced from said face in the inner position of the slide, means whereby said slide is actuated by and during endwise movement of the sleeve, and a chaser associated with said slide and arranged tangentially to a circle the axis of which is coincident with the axis of the cutter-head, said chaser being supported from the aforesaid. Forwardly extending member of said slide and spaced, at its inner or cutting end, inwardly from the inner edge of said member of said slide.

1,510,963. OPERATING MEANS FOR DOORS. JOHN SCHORR, Davenport, Iowa. Filed Mar. 16, 1922. Serial No. 544,097. 13 Claims. (Cl. 268-9.)



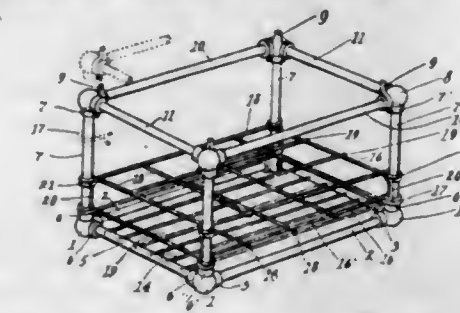
1. In an apparatus for opening and closing doors, the combination with links pivoted to the doors, of a cable, a lever fulcrumed intermediate its ends and having one end pivoted to the ends of the links opposite the doors and its opposite end secured to the cable, and means intermediate the cable and the lever adapted to lock the doors in open or closed position.

1,510,964. OPENING AND LOCKING DEVICE FOR CLOSURES. JOHN SCHORR, Davenport, Iowa. Filed Mar. 23, 1922. Serial No. 545,960. 6 Claims. (Cl. 268-8.)



1. In an operating device for sliding or rolling doors, the combination with an operating wheel, of a lever having one end fulcrumed to a support secured to the operating wheel and its opposite end secured to a door, and a locking head secured to the operating wheel carrying latches adapted to engage notches or seats in a rack secured adjacent the wheel.

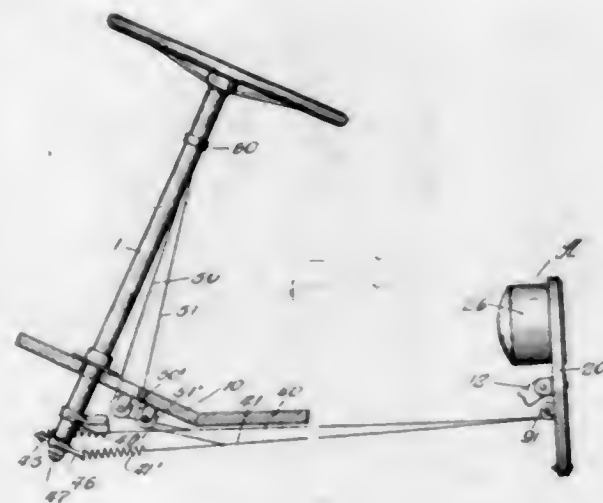
1,510,965. MILK-BOTTLE CARRIER. SYDNEY W. SELF, St. Paul, Minn. Filed Apr. 21, 1923. Serial No. 633,683. 3 Claims. (Cl. 220-21.)



1. A bottle carrying device, comprising a frame made up of a skeleton base and top, corner uprights detachably connecting said base and top, and a bottle spacer

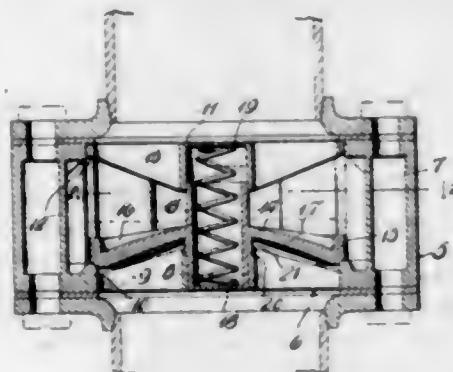
ing rack interlockingly engaging said uprights and removable therefrom upon the disconnection of said uprights and frame.

1,510,966. SIGNAL DEVICE. SALVATORE L. SISTI, Chicago, Ill. Filed Feb. 15, 1923. Serial No. 619,296. 3 Claims. (Cl. 116-51.)



1. In a device of the character described, a cylindrical casing provided with an opening at the rear, a disk rotatably supported in the casing provided with signal words adapted to be brought into registry with the opening by rotation of the disk, and means for automatically or manually rotating the disk, said means comprising two cables attached to the disk and leading forward with their forward ends attached to arms arranged on the steering post, said cables also provided with branches leading upwardly to points within reach of the vehicle operator.

1,510,967. CHECK VALVE. MICHAEL SMOLENSKY, Cleveland, Ohio. Filed Oct. 8, 1923. Serial No. 667,348. 5 Claims. (Cl. 251-144.)

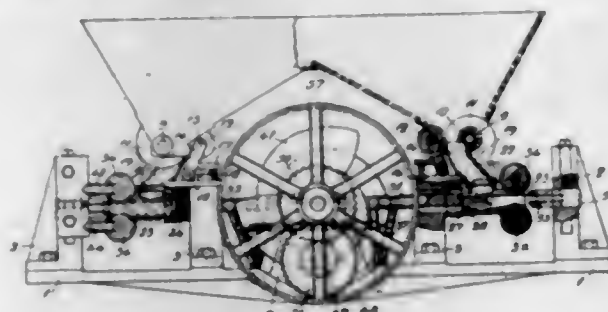


1. A check valve comprising a body portion having a passage way and a valve seat, a spider cylinder arranged centrally at each end of the passage way, a valve disk yieldably positioned upon the seat, oppositely directed guides carried by the disk, and received in the cylinders, and co-acting means carried by a guide and its spider cylinder to compensate for wear upon said guide whereby to cause accurate seating of the disk.

1,510,968. MACHINE AND PROCESS FOR OPENING NUT SHELLS. HAKON A. WADELL and SYEN AXEL STÅLBERG, Mexico, Mexico. Filed Apr. 10, 1923. Serial No. 631,119. 13 Claims. (Cl. 146-10.)

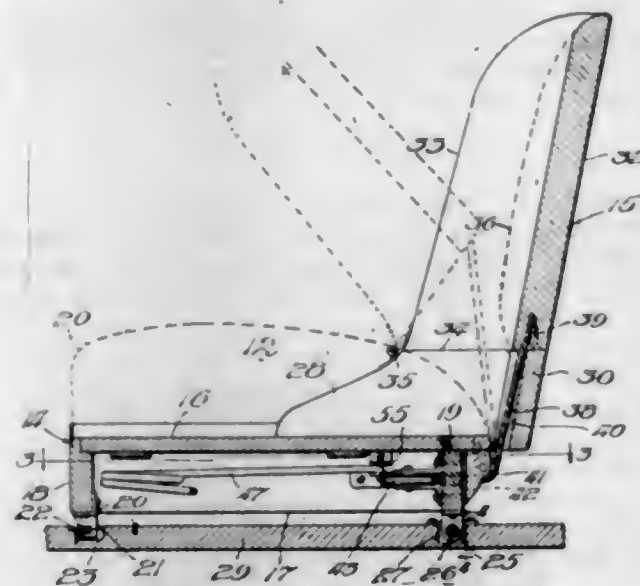
1. A machine for opening nut shells, comprising a hopper, grooved feeding rollers at the discharging openings in said hopper, said rollers being provided

with eccentric flanges, spring-loaded presser rollers co-operating with said feeding rollers, flexible grippers for snapping the nuts one at a time into centering tubes, centering levers projecting inwardly into said center-



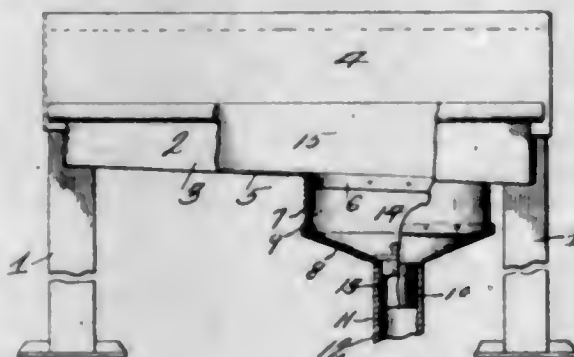
ing tubes, reciprocating plungers therein, oppositely-disposed cutting devices projecting into said centering tubes, wedge-shaped splitters aligned with said cutting devices for removing the shells, and guiding members for the kernels.

1,510,969. VEHICLE SEAT. EARL G. WATROUS, Chicago, Ill. Filed Feb. 28, 1923. Serial No. 621,842. 19 Claims. (Cl. 155-14.)



1. In combination, a seat, comprising a bottom and a back movable relative to the bottom, means for slidably supporting said seat at an invariable height, and means connected to the back and operated thereby for automatically sliding said seat in a horizontal plane when the back is moved relative to said bottom.

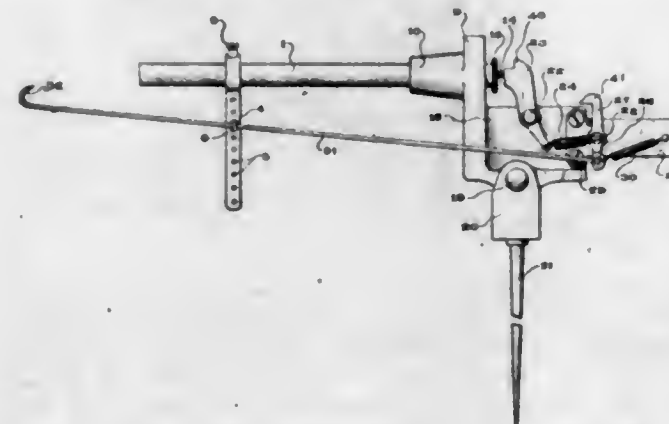
1,510,970. SINK. TELEPHONE BABIN, Houma, La. Filed June 24, 1921. Serial No. 480,036. 1 Claim. (Cl. 4-187.)



A sink formed from sheet metal, the body of said sink being formed from a single sheet of metal bent to form end walls, front and rear walls, the rear wall ex-

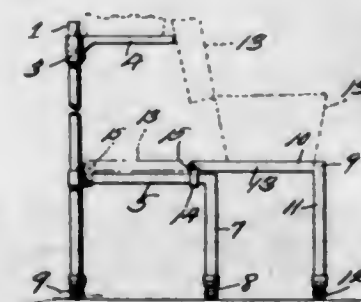
tending upwardly above the upper side of the sink, thereby forming a splash member, the upper edges of said walls being provided with reinforcing rolls, the rear ends of the rolls of the end walls extending through the rear wall and overlying the rear side of the rear wall.

1,510,971. TRAP GUN. WILHELM E. BAHR, Osceola, Nebr. Filed Sept. 6, 1922. Serial No. 586,416. 1 Claim. (Cl. 42-1.)



In a trap gun, a breech portion having a plug socket and a pin aperture disposed concentrically of the socket, a plug detachably secured in the socket and having its inner end bearing against the inner wall of the socket, the plug having a shoulder which bears against the face of the breech portion, a firing pin passing through the plug and the pin aperture, the said plug having a chamber which receives the intermediate portion of the firing pin, the firing pin having an abutment which is slidably received in the chamber, a sub-plug closing the end of the chamber and through which the firing pin passes, said sub-plug adapted to bear against the inner wall of the socket and a spring housed within the chamber and bearing at one end against the shoulder and at its opposite end against the sub-plug.

1,510,972. CASKET STAND. STEPHEN E. BEAM, Anamosa, Iowa. Filed Apr. 19, 1923. Serial No. 633,145. 2 Claims. (Cl. 211-14.)



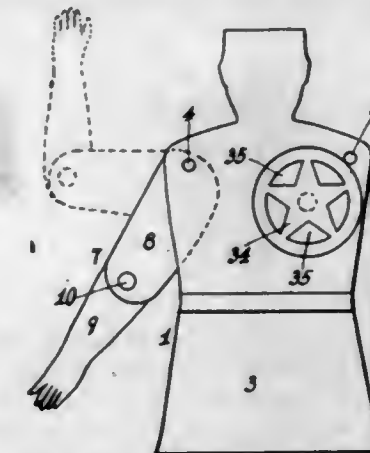
1. The combination with a casket display stand, said stand adjacent its lower end being provided with a horizontally disposed frame, legs supporting said frame, casters carried by said legs and by the stand, of an extensible frame, said extensible frame comprising a horizontally disposed U-shaped frame, the ends of the arms of the U-shaped frame being provided with integral inverted U-shaped members arching the under sides of the ends of the horizontally disposed frame, rollers pivotally mounted between the arms of the inverted U-shaped members and antifrictionally engaging the ends of the horizontally disposed frame, and legs carried by the outer end of the U-shaped frame and casters carried by said legs.

1,510,973. URINE CONDUCTOR. THOMAS BEHAN, Alliquippa, Pa. Filed Aug. 6, 1923. Serial No. 656,027. 12 Claims. (Cl. 4-110.)



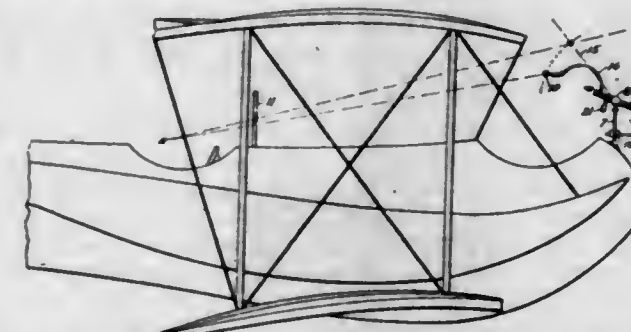
1. A urine conductor comprising a body having a passage therethrough, and a fin upon the exterior of the body constituting means for separating the labia of the vulva upon insertion of the conductor.

1,510,974. AUTOMOBILE SIGNAL. WILLIAM E. BLAND, Berkeley, Calif. Filed Feb. 16, 1922. Serial No. 536,849. 5 Claims. (Cl. 116-52.)



1. A signal including a frame, an arm formed of two members pivoted together, one of said members being pivoted to said frame and means for swinging said arm into an incline position, a horizontal position, or in a position with one member horizontal and the other member vertical.

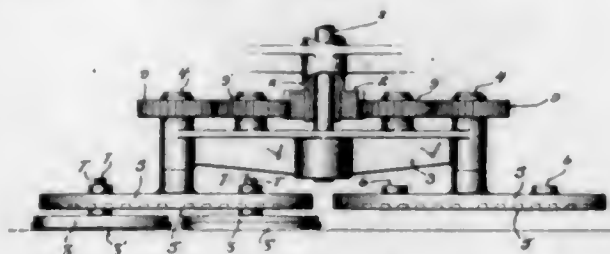
1,510,975. PILOT-DIRECTING INSTRUMENT AND BOMB-DROPPING SIGHT FOR AIRCRAFT. ARTHUR H. BOETTCHER, Chicago, Ill. Filed Mar. 11, 1918. Serial No. 221,837. 20 Claims. (Cl. 33-46.)



1. In combination with an aircraft body having an observer's position and a pilot's position, a sighting member at the observer's position disposed in the direction of flight of the aircraft, a pivoted sighting member movably mounted at the observer's position, and indicating means visible to the pilot showing the movement of said sighting member relative to said first-named sighting member.

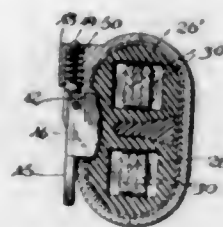
16. In a bomb dropping sight, a vertical member calibrated for altitudes, a horizontal member calibrated for speed, the relative positions of said members determining a sighting line, and a wind scale for adding to or subtracting from the calibrations on said horizontal member.

1,510,976. GRINDING AND POLISHING SHOE. JAMES CARRIE, Butler, Pa., assignor to William D. Sawyer, Milwaukee, Wis. Filed May 23, 1921. Serial No. 471,797. 1 Claim. (Cl. 51-120.)



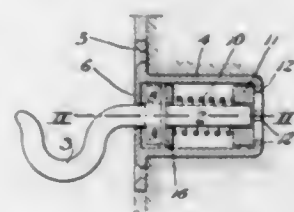
In a grinding and polishing machine, the combination of an elongated grinding shoe and a pair of discs detachably secured below said shoe, said shoe being operative on removal of said discs for grinding purposes.

1,510,977. DETACHABLE COUPLING FOR ELECTRIC WIRES. WILLIAM TIMBULLE CLARK, Milwaukee, Wis. Filed Apr. 11, 1921. Serial No. 460,216. 1 Claim. (Cl. 173-328.)



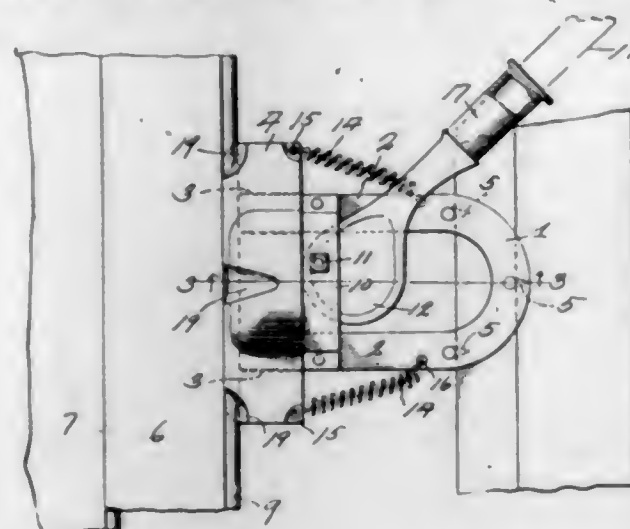
In a coupling member of the character described, a pair of telescopic coupling members having registering recesses, a lever fulcrumed at its one end upon one of said members and having a lug formed at its fulcrumed end adapted to be brought into said recesses for locking the members together, and a spring pressed pin adapted to engage the fulcrumed end of said lever at a point adjacent its upper edge when said lug is within the recesses of said coupling member and thereby to yieldingly hold said lever in its locking position, said pin being also adapted to permit the lever to be manipulated to bring the lug out of said recesses and unlock said coupling members and when in this position the pin is adapted to engage upon the upper edge of the lug and thereby to yieldingly hold the lever in its inoperative position.

1,510,978. DETACHABLE BOLT. WILLIAM F. CONKLIN, Tarentum, Pa. Filed Sept. 20, 1921. Serial No. 502,022. 6 Claims. (Cl. 85-5.)



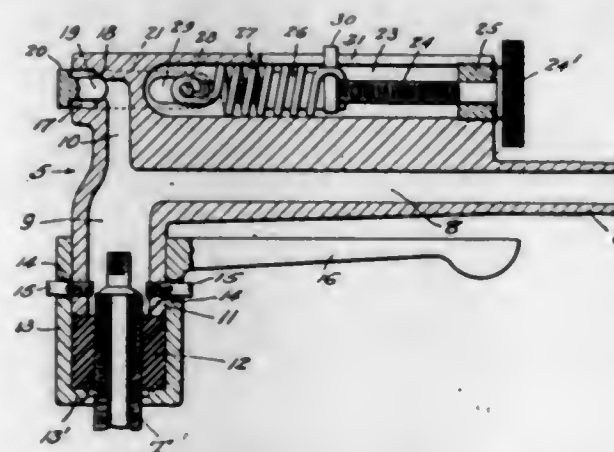
1. A detachable bolt construction comprising a casing provided with a front wall having a slotted opening and a rear holding socket at an angle thereto, a bolt having a lateral locking lug adapted to pass through the slotted opening and rotate into register with the rear socket, and a spring tending to normally press the bolt and lug outwardly.

1,510,979. FLOOR JACK. CHARLES W. COOPER, Richland Center, Wis. Filed Mar. 17, 1924. Serial No. 699,804. 1 Claim. (Cl. 254-16.)



A floor jack comprising a U-shaped frame having its arms in parallel relation, a slidable block, said slidable block being provided with transversely disposed apertures in which the arms of the U-shaped frame are slidably mounted, coiled springs connecting the ends of the block and the arms and forming means for normally forcing inwardly the block, a U-shaped frame carried by the upper side of the first mentioned U-shaped frame, a bar connecting the arms of the first-mentioned U-shaped frame, a pivot bolt carried by the second U-shaped frame and the bar, a cam pivotally mounted on said bolt, a handle member carried by said cam, and prongs carried by the underside of the U-shaped frame and adapted to be forced into a support.

1,510,980. AIR-PRESSURE REGULATOR. JOSEPH E. CURTISS, Port Angeles, Wash. Filed Feb. 3, 1923. Serial No. 616,844. 1 Claim. (Cl. 137-53.)

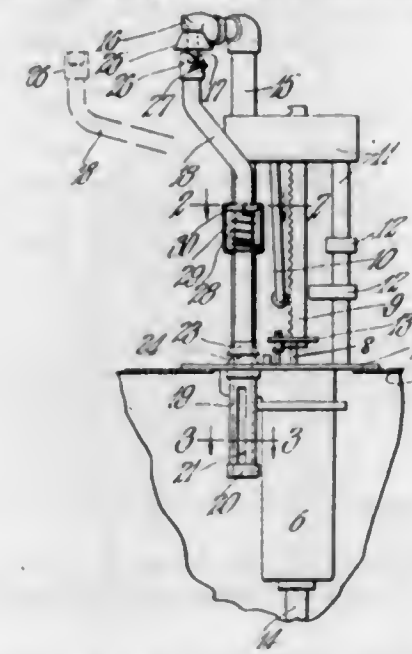


In an air pressure regulator of the character described, having a body provided with a chamber having slots in its peripheral wall, and an air passage in the body provided with an air exhaust outlet, a valve for the latter, a spring provided in said chamber, operative connections between one end of said spring and the valve, said connections including a stirrup member outside of the body and a member extending through said slots and operatively connecting said spring to said stirrup member, and means for regulating predeterminedly the effective power of said spring.

1,510,981. LIQUID-DISPENSING APPARATUS. JOHN B. DAVIS, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1923. Serial No. 631,843. 4 Claims. (Cl. 221-72.)

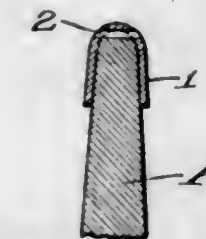
2. The combination with a reservoir, of means for delivering liquid therefrom including a dispensing faucet,

conducting means to convey the drip from [redacted] back to the reservoir including an inlet port [redacted] into and out of drip receiving relation with [redacted] and an outlet opening into said reservoir, means to



yieldingly hold the inlet portion in drip receiving relation with said faucet, and valve means operable by movement of said portion out of drip receiving relation with the faucet to close off communication between said portion and said outlet.

1,510,982. VIOLIN BRIDGE. EDWARD D. DENNIS, Plymouth, Wis. Filed Nov. 12, 1920. Serial No. 423,627. 1 Claim. (Cl. 84-309.)



The combination with the bridge of a stringed instrument, of a string supporting U-shaped clip straddling the bridge and frictionally engaging it, said clip having a rounded crown portion fitting snugly upon the top edge of the bridge, there being a string receiving opening extending through the clip and within the rounded end portion thereof, said opening being so positioned that the lower edge registers with a notch in the bridge for the reception of a string, the lower edge of the opening being in alignment with the lower edge of the notch in the bridge.

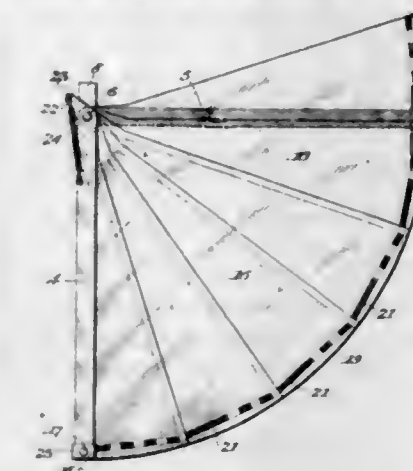
1,510,983. METHOD OF CONCENTRATING OIL SHALES. SAMUEL H. DOLBEAR, San Francisco, Calif., assignor of one-half to Edwin Letts Oliver, San Francisco, Calif. Filed Nov. 11, 1920. Serial No. 423,317. 4 Claims. (Cl. 196-21.)

1. A method of recovering oil from shale which consists of converting such shale into a liquid pulp, subjecting the pulp to froth flotation, separating the resultant froth from the remainder and destructively distilling only those particles taken off with the froth.

1,510,984. FOLDING GLARE DIMMER FOR AUTOMOBILE WINDSHIELDS. JAMES C. DORSEY and JEPHIA W. VAUGHN, Denver, Colo. Filed Sept. 16, 1922. Serial No. 588,693. Renewed Mar. 3, 1924. 2 Claims. (Cl. 296-97.)

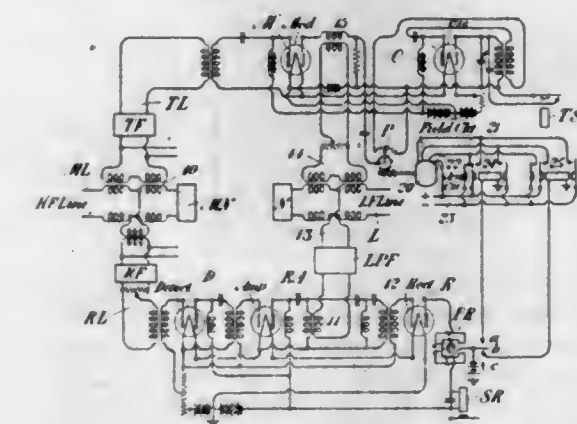
1. In a light glare dimmer of the character described, the combination with an automobile wind shield frame; of a pair of thin, metal, spaced bars connected together

at one end by a pivot pin and clips on one of said bars whereby the same may be detachably connected to said wind shield frame, a plurality of suitably colored, non-frangible blades mounted at one end upon said pivot pin and between said metal bars, the two outer blades being secured to the adjoining metal bars, flexible means connecting the outer ends of the blades which permits them



to be opened out in fan-like manner or folded to occupy the space of a single blade, a contraction coil spring, one end of which is secured to the fixed metal bar and the other end to the movable metal bar in such manner that the spring lies on one side of the pivot pin when the dimmer is open and on the other side thereof when the dimmer is closed, and a thumb hold on the outer end of the movable bar.

1,510,985. TRANSMISSION REGULATION. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 4, 1922. Serial No. 558,479. 13 Claims. (Cl. 178-44.)

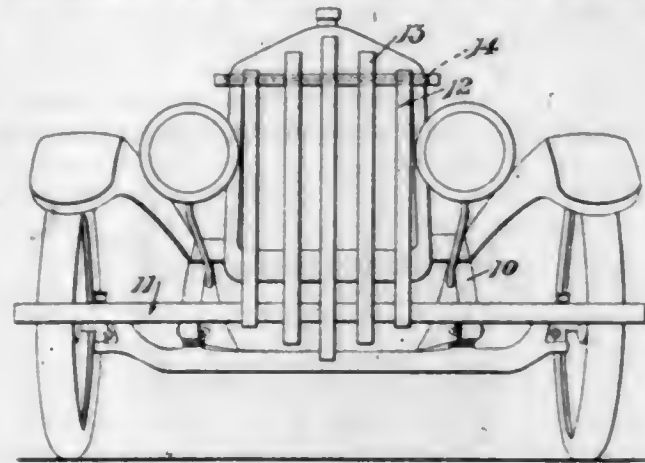


1. The method of controlling transmission in a carrier system in which the carrier is transmitted along with the side band, which consists in transmitting the carrier and side band over a medium whose transmission is variable under different conditions, combining the carrier together with the side band by detection to produce the low frequency signaling wave represented by the side band together with an unmodulated carrier component, selecting the unmodulated carrier component thus produced, producing from the selected carrier a current having characteristics depending upon the transmission conditions to which the carrier has been subjected, and controlling the electrical characteristics of the transmission circuit in accordance with the characteristics of the current thus produced to compensate for the change in efficiency of the transmitting medium in at least one direction.

1,510,986. COMBINED BUMPER AND RADIATOR SHIELD. ROLLIE B. FAGEOL, Los Angeles, Calif. Filed Nov. 7, 1923. Serial No. 673,269. 9 Claims. (Cl. 293-54.)

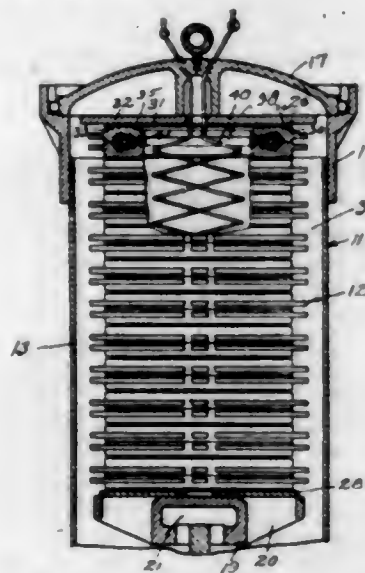
3. A protective device for automobiles comprising a resiliently mounted bumper disposed transversely of a

vehicle frame, a radiator shield secured by its lower end to the bumper and extending upwardly in a protecting



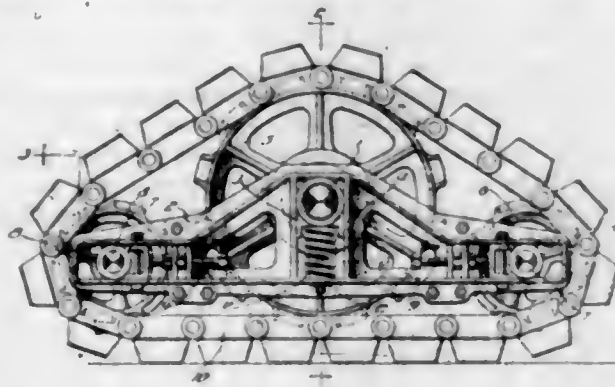
position in front of the radiator, and means for securing the upper end of the shield to the radiator shell.

1,510,987. VULCANIZATION APPARATUS. HADLEY F. FREEMAN, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1921, Serial No. 493,734. Renewed Feb. 27, 1924. 4 Claims. (Cl. 18-17.)



3. In combination, an annular article, means adapted to form a fluid tight closure over the opening in one face of said article, means adapted to form a fluid tight closure over the opening in the other face of said article, a cooling coil within the chamber so formed, and a duct connecting the interior of said article with said chamber.

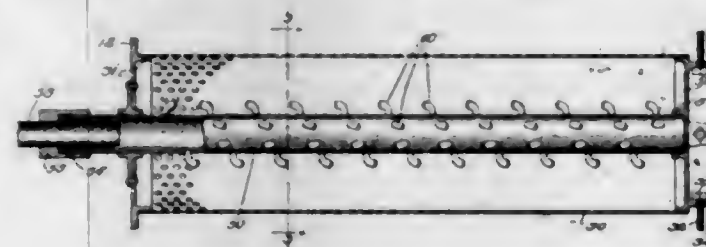
1,510,988. MULTIPEDAL TRACTION DEVICE. JAMES C. FRENCH, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed June 17, 1918. Serial No. 240,311. 2 Claims. (Cl. 305-8.)



1. In a multi-pedal traction device, the combination of a large central sprocket wheel, an axle upon which said wheel is carried and by which it is driven, a truck

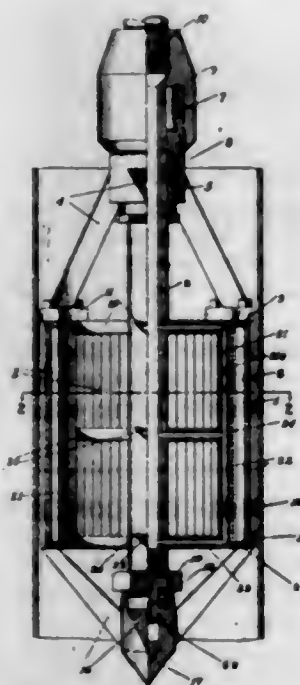
frame having a central vertical guide formed therein and relatively small sprocket wheels adjustably mounted in the opposite ends thereof, a traction belt extending about said sprockets, vertically slidable bearings for said axle arranged in said guide, a spring interposed between said bearings and the frame, for yieldingly imposing a part of the load on said belt through said frame and small sprocket wheels, and a part thereof directly through said large sprocket wheel, whereby said belt may be constantly driven by said large sprocket wheel and the end and central lower portions thereof on the ground may respectively accommodate themselves to ground conditions, the frame being permitted to tilt about said axle.

1,510,989. COFFEE ROASTER. ALBERT P. GROHENS, Marshall, Mich., assignor to Lambert Machine Company, Marshall, Mich., a Corporation of Michigan. Filed Sept. 14, 1923. Serial No. 662,665. 7 Claims. (Cl. 34-5.)



2. In a device of the character described, a rotatable drum adapted to contain the material to be roasted, a perforated burner tube axially arranged within the rotatable drum and adapted to be rotated therewith, and heating means within the burner tube, said heating means comprising a burner pipe provided with longitudinally directed openings.

1,510,990. AIR-LIFT AND AIR-DRIVEN ROTARY PUMP. HENRI H. HENDERSON, Stockton, Calif. Filed May 28, 1923. Serial No. 641,918. 12 Claims. (Cl. 103-5.)

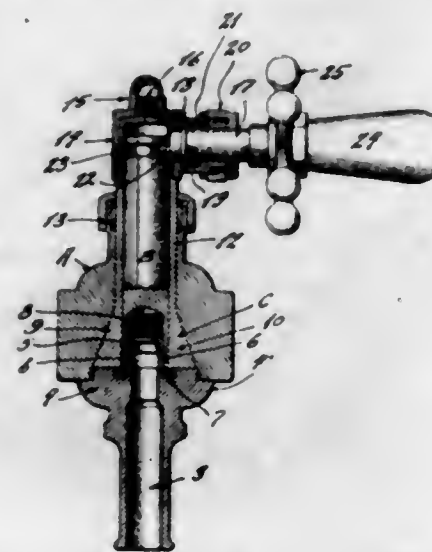


1. A pump for submerged service comprising a stationary and open ended casing, an impeller structure turnably mounted therein, and cans for rotating the impeller structure by compressed air applied between said structure and the casing from top to bottom thereof.

1,510,991. MIXING VALVE. CLAUDE G. HOLT, St. Johns Station, Mo. Filed Oct. 3, 1921. Serial No. 504,884. 8 Claims. (Cl. 277-11.)

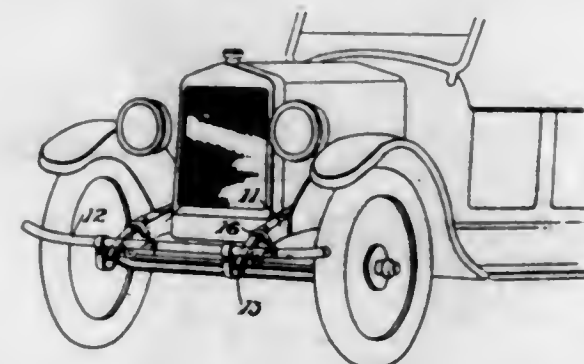
1. A valve device comprising a valve housing having two inlets for the admission of hot and cold fluids and a

discharge passageway adapted to communicate with said inlets, temperature-regulating valve elements adapted to control communication between said inlets and said discharge passageway, a vertically movable outlet valve adapted to regulate the flow of fluid through said discharge passageway, and an operating handle common to



said outlet valve and temperature-regulating valve elements, said operating handle being provided with a rotary operating member movable in opposite directions to adjust said temperature-regulating valve elements and also with a rotary operating member movable in opposite directions to adjust said vertically movable outlet valve.

1,510,992. AUTOMOBILE BUMPER BRACKET. THOMAS A. HOOVER, Fresno, Calif., assignor to American Chain Company, Incorporated, Bridgeport, Conn., a Corporation of New York. Filed Nov. 5, 1923. Serial No. 672,774. 5 Claims. (Cl. 293-55.)

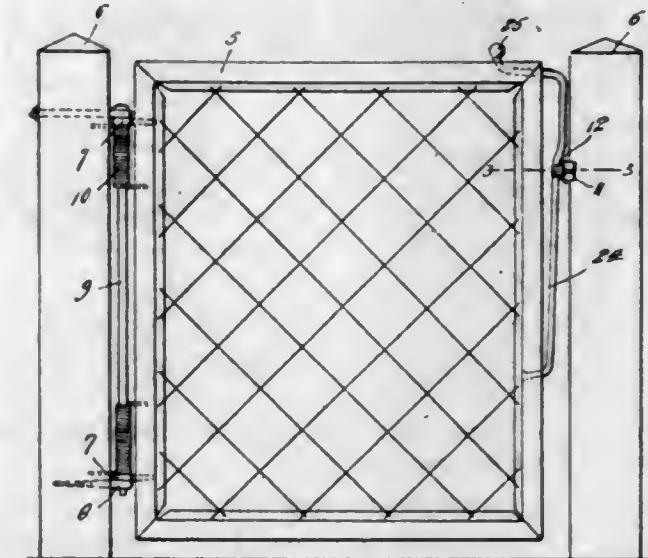


2. A bracket for automobile bumpers comprising a flat strip of resilient material bent upon itself to form a pair of arcuate loops, the connecting end portions of the loops embracing a bumper bar and the free ends of the loops being fastened one upon the other to the frame of the automobile.

1,510,993. CLOSING AND LOCKING MECHANISM FOR FENCE GATES. WILLIAM HOUSER, Oberlin, Kans. Filed July 27, 1923. Serial No. 654,116. 1 Claim. (Cl. 292-44.)

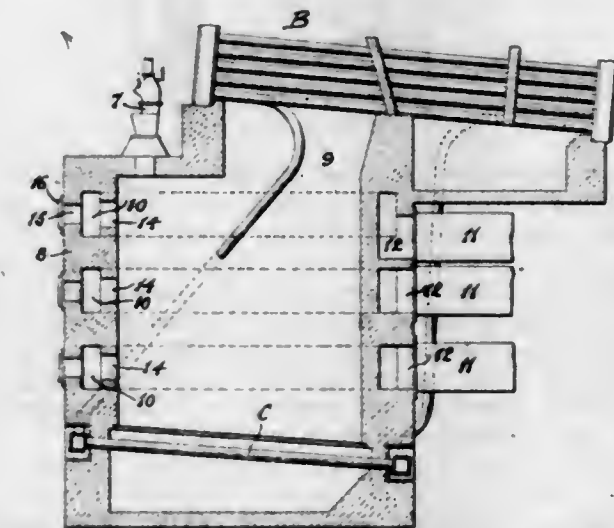
A gate latch comprising a plate adapted to be applied transversely across a support at a gate opening, said plate being provided at its opposite longitudinal edges with parallel flanges, these flanges having angularly disposed extremities bent inwardly over the body of the plate, latch members comprising plates having plain intermediate body portions provided at their longitudinally disposed edges with parallel wings, the wings being pivoted to the flanges of the first mentioned plate at points between the ends of the body portions of the second mentioned plates whereby the end portions of

the second mentioned plates are disposed transversely across the edges of the extremities of the flanges of the first mentioned plates and the wings of the second mentioned plates are received between the flanges of the



first mentioned plates and springs interposed between the intermediate portion of the first mentioned plate, and the free end portions of the second mentioned plate and housed within the flanges and wings.

1,510,994. PULVERIZED-FUEL-BURNING FURNACE. HENRY KREISINGER, Pittsburgh, Pa., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Dec. 13, 1920. Serial No. 430,224. 8 Claims. (Cl. 110-28.)

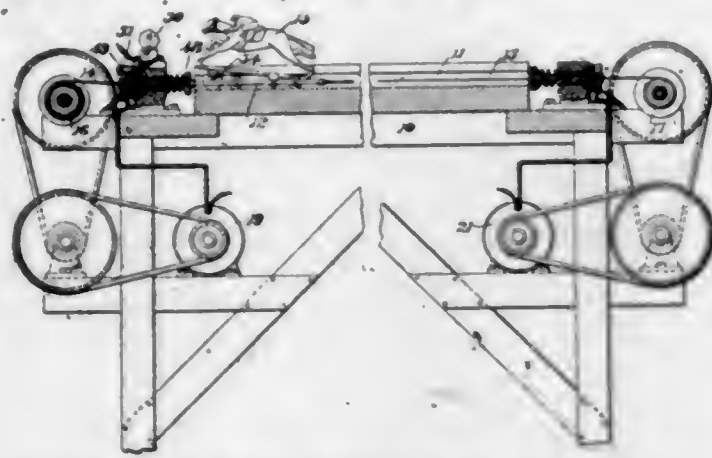


1. In combination, a combustion chamber for burning finely divided fuel in suspension having a hollow wall divided into a plurality of vertically spaced substantially horizontal compartments, means whereby air is admitted to the compartments at one side of the chamber, each compartment having a plurality of delivery openings into the chamber at the opposite side thereof, and means for admitting finely divided fuel into the chamber in a downward direction adjacent the wall at the said opposite side of the chamber.

1,510,995. AMUSEMENT DEVICE. ROBERT H. LOCKYER, San Francisco, Calif., assignor of one-half to Emmett F. Walt, San Francisco, Calif. Filed Mar. 7, 1923. Serial No. 623,550. 14 Claims. (Cl. 46-56.)

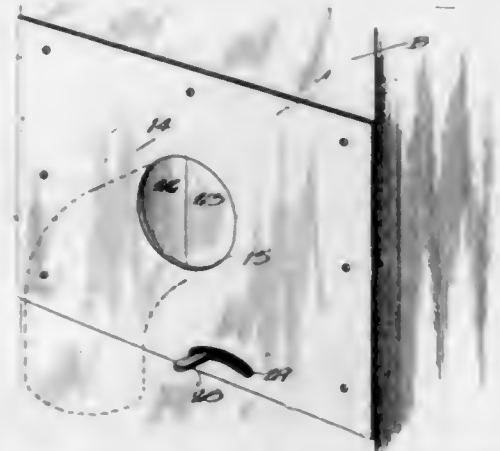
1. A racing device comprising a plurality of tracks, a racing object on each track, means for propelling each object, a barrier across each track to stop the progress of the object, means to remove the barriers and a plurality of separately operable controls for each barrier.

removing means, said controls being effective in removing the barriers only when a certain definite relative



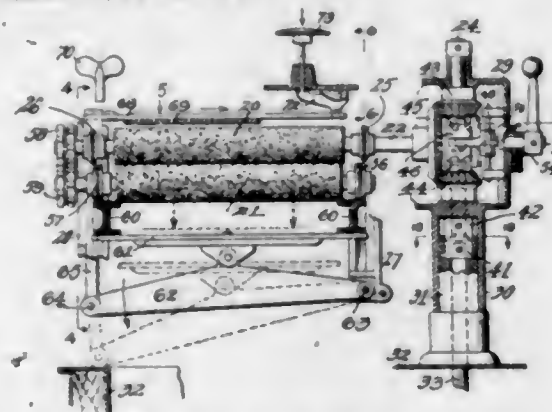
position of the plural members of each barrier-removing means has been arrived at.

1,510,996. FLUE SHUTTER. EDGAR G. McCULLOUGH, Winston-Salem, N. C. Filed July 23, 1923. Serial No. 653,333. 2 Claims. (Cl. 126-319.)



1. An attachment for flue openings comprising a casing having a flue opening therethrough, a pair of sliding shutter plates arranged in the casing for movement across the flue opening, a pair of parallel double-ended levers pivotally secured at a point equidistant their ends in the casing in spaced relation to the outer ends of the shutter plates, parallel disposed links connecting the terminals of the levers together, means attaching one flue shutter plate to one link and means attaching the other flue shutter plate to the other link.

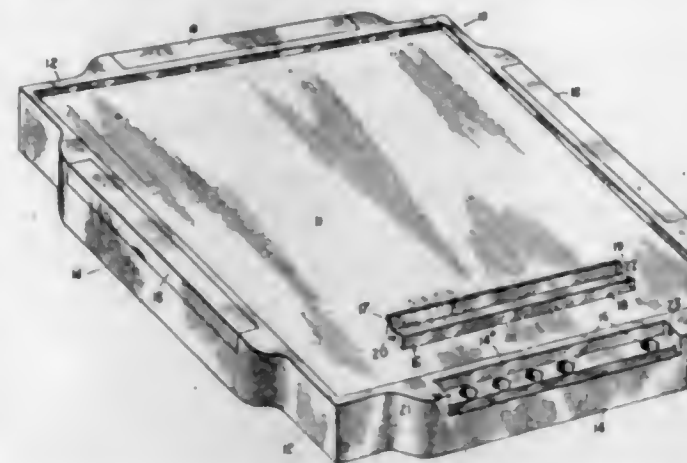
1,510,997. SAFETY RELEASE FOR WRINGERS. PETER J. MALONEY and WILLIAM E. MALONEY, Worcester, Mass. Filed Feb. 19, 1923. Serial No. 619,501. 6 Claims. (Cl. 68-32.)



1. A wringer having an upper roll rotatably mounted in a substantially fixed position, a movably mounted lower roll, a latch to hold said lower roll in raised position, and a manually operated device to free said latch and release said lower roll, a spring to apply yielding

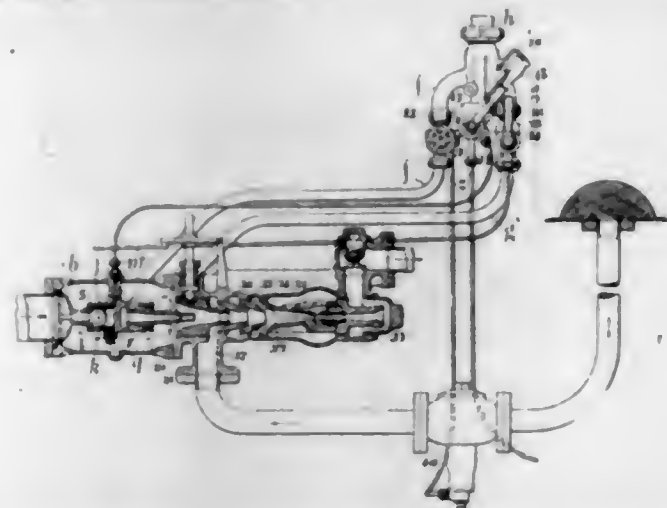
tension to said lower roll, and means to adjust the spring tension, said adjusting means being also effective for moving said latch to holding position.

1,510,998. GAME BOARD. LUCIEN A. MARSH, Mill Valley, Calif. Filed Mar. 26, 1923. Serial No. 627,880. 5 Claims. (Cl. 46-53.)



1. In combination with a game board having a rectangular playing surface, a plurality of racks, said game board having a recess formed at each side thereof for removably receiving one of said racks and yieldably holding it in a protected position whereby said racks may be disposed in said recesses with their exposed surfaces substantially flush with the adjacent surfaces of the game board or removed from the said recesses for use.

1,510,999. EXHAUST-STEAM INJECTOR. RICHARD DAVID METCALFE and JAMES CROXON METCALFE, Romley, England. Filed Nov. 5, 1923. Serial No. 672,981. 6 Claims. (Cl. 162-1.)

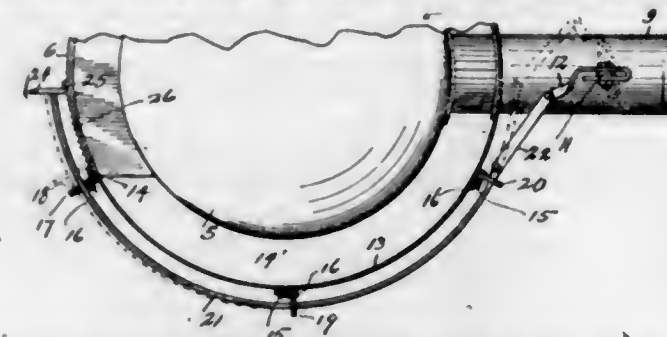


5. In exhaust injectors having exhaust steam and water inlet valves operated by steam pressure, an improved injector control device comprising a rotatable spindle, a handle secured upon said spindle, a disc type valve carried by said spindle and having ports therein for placing the steam supply connections to the exhaust steam and water valve operating means in communication with the steam supply or with the exhaust, a valve for supplying live steam to the injector for increasing its delivery pressure, and means carried by said spindle for operating said live steam supply valve, as set forth.

1,511,000. DAMPER CONTROL FOR FURNACES. HARRY W. NEAL, Indianapolis, Ind., assignor to Hall-Neal Furnace Company, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 24, 1923. Serial No. 682,519. 2 Claims. (Cl. 126-287.)

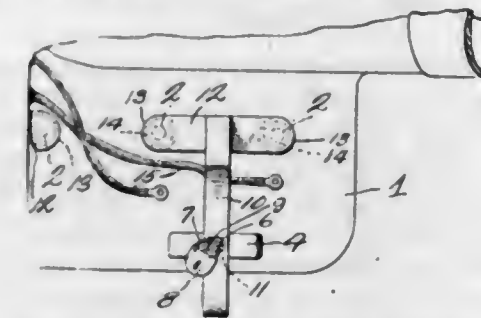
1. The combination, with an upright cylindrical furnace having front doors and a rear smoke-pipe, of a damper in the pipe, means for operating the damper,

comprising a resilient push and pull rod curved around one side of the furnace and having a front end portion normally contacting the furnace by a spring-action of



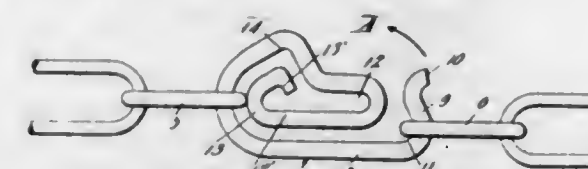
the rod, and a series of corrugations on the furnace in the path of said front contacting portion to limit the free pull and push movement of the rod by engagement with the spring-pressed end.

1,511,001. SPARK-PLUG LOCKING DEVICE. JAMES PADDEN, Cylon, Wis. Filed Feb. 6, 1922. Serial No. 534,531. 2 Claims. (Cl. 123-198.)



1. The combination with an engine, spark plugs carried by said engine, of a housing and locking device for said spark plugs, said device comprising a bar disposed above the spark plugs, spaced chambered members carried by said bar for the reception of the spark plugs, of means whereby said bar may be securely locked to the engine.

1,511,002. CONNECTING LOCK. WILLIAM W. PFAUTZ, Lebanon, Pa. Filed Mar. 29, 1923. Serial No. 628,654. 2 Claims. (Cl. 24-230.5.)

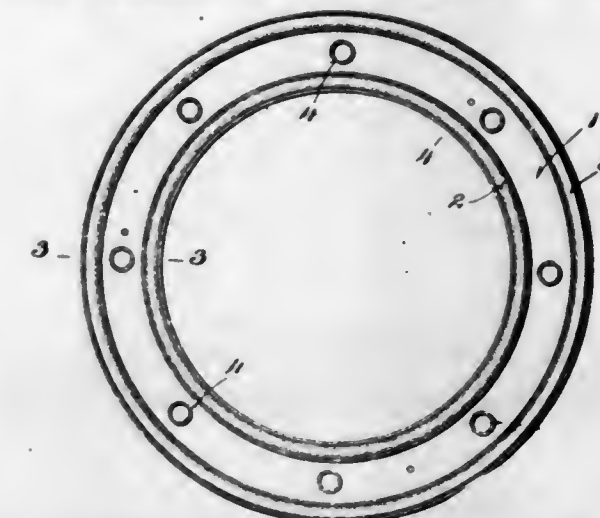


1. An adjustable fastening member including a length of wire formed with a hook at one end, the length of wire being bent upon itself and formed with a hook member at the opposite end, and said length of wire being provided with offset portions to accommodate end links of a chain.

1,511,003. METHOD FOR THE PRODUCTION OF MOLDED ARTICLES AND SO FORTH FROM CASEIN AND THE LIKE. DAVID CHARLES POLDEN, Surbiton, England. Filed Jan. 25, 1924. Serial No. 688,611. 2 Claims. (Cl. 18-47.5.)

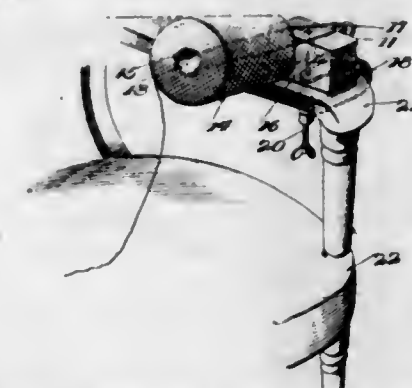
1. The production of molded articles from casein by taking finely pulverized casein, adding thereto a solvent, the resultant product being heated to between 90 and 180 degrees Fahrenheit, vigorously stirred and then neutralized by the addition of a suitable agent whereby the casein is separated as an adhering flocculent mass which is molded under pressure for 6 hours then subjected to a fresh pressure for 18 hours, then allowed to drain and finally, after two to ten days the molded articles are hardened and water-proofed by a suitable composition, drained and dried at even temperature.

1,511,004. CANDLE HOLDER. WALTER H. POOCH and MARTIN M. KOEPPEN, Green Bay, Wis. Filed Aug. 14, 1923. Serial No. 657,301. 4 Claims. (Cl. 67-23.)



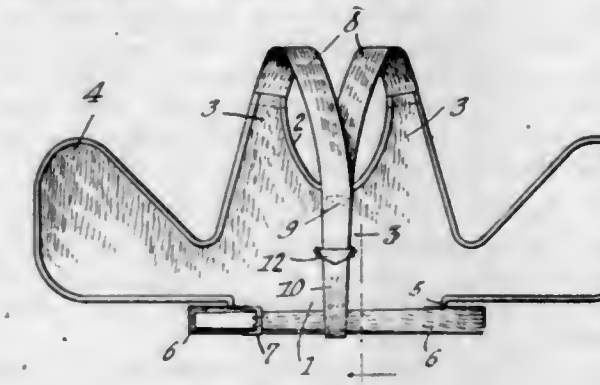
3. A candle holder for cakes comprising an annular sheet metal member having an inner and outer upwardly pressed border and having a plurality of upstruck tongues located between said borders and adapted to hold candles, and a plurality of prongs extending downwardly from the under side of said member.

1,511,005. HOLDER FOR THREAD COPS OR BALLS. JANE MASTEN POWERS, Washington, D. C. Filed Apr. 1, 1924. Serial No. 703,431. 5 Claims. (Cl. 242-136.)



1. A holder for thread cops and balls having axial tubes therethrough, including a U-shaped clamping member having a coil at one end, adapted to extend through the axial tube and having the opposite ends thereof outturned to engage the adjacent end of the tube, a body member or fulcrum block across which the clamping member extends adjacent to its coiled end, and means engaging the coiled end of the clamping member to hold the latter in freely outstanding position.

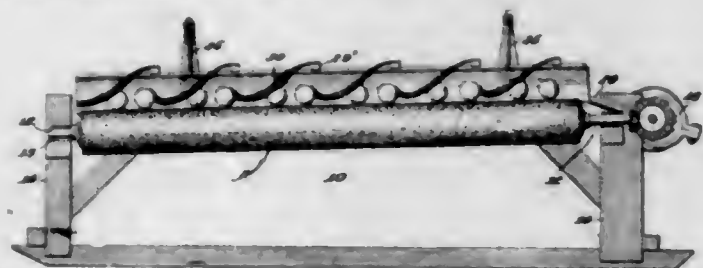
1,511,006. SWIMMING JACKET. HENRY A. PRESCOTT, Philadelphia, Pa. Filed Feb. 15, 1924. Serial No. 693,031. 3 Claims. (Cl. 9-21.)



1. A garment of the class described including an inflatable body having lateral extending inflatable wings communicating therewith and adapted to swing back

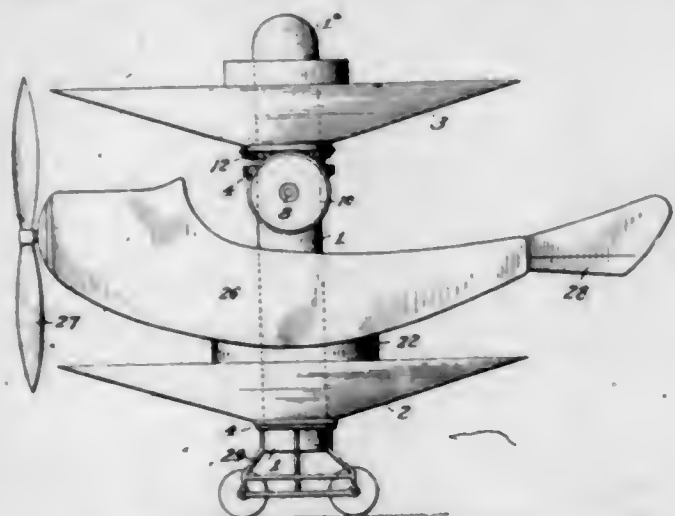
and forth relative to the body, a waist strap connected to the lower portion of the body, shoulder straps connected to the upper portion of the body, an adjustable means connecting the shoulder and waist straps for supporting the waist strap.

1,511,007. FRUIT-TREATING APPARATUS. HOMER C. RICKETTS, Winter Haven, Fla., assignor, by mesne assignments, to Brodrex Company, Winter Haven, Fla., a Corporation of Florida. Filed Feb. 14, 1922. Serial No. 536,589. 9 Claims. (Cl. 146-199.)



1. Fruit treating apparatus comprising, in combination, brushing means and means including a reciprocatory member associated therewith to direct the fruit in a predetermined path in operative relation with said brushing means, and a plurality of flexible strip elements each supported by said reciprocatory member adjacent said path to present a limp body portion with opposite free side edges in said path in position to yieldingly and frictionally engage said fruit advancing along said path.

1,511,008. AEROPLANE. CHARLES FRANCIS SMITH, Westfield, N. Y. Filed May 29, 1924. Serial No. 710,630. 11 Claims. (Cl. 244-18.)

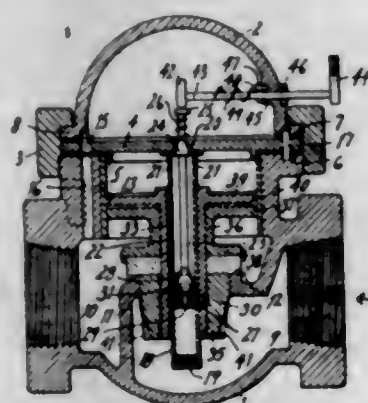


1. An aeroplane including a vertically extending tubular body part, a pair of circular planes mounted on said tubular body part to extend transversely thereof around the same and to revolve thereabout, said planes being arranged in superposed spaced relation, power means for revolving the planes in opposite directions, and air forcing means associated with each of the planes and operated thereby for drawing air from the upper side of the planes and forcing the same downwardly through the tubular body part to the under side of the machine below the planes.

1,511,009. FLUSHING VALVE. HOWARD A. SPEAR, Springfield, Mass., assignor of one-half to John W. Stacy, Springfield, Mass. Filed Aug. 4, 1923. Serial No. 655,686. 14 Claims. (Cl. 137-93.)

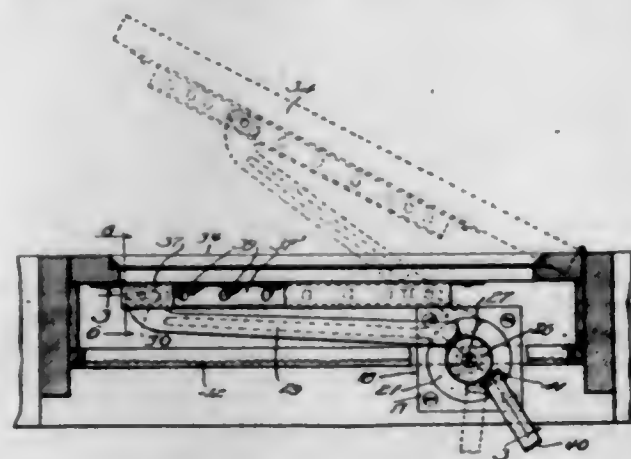
14. In a flushing valve, a body comprising a casing having therein inlet and outlet chambers with a valve-seat between, a dome, a plate between said casing and dome dividing the space in said casing and dome, above said valve-seat, into a pressure chamber below and a re-

lief chamber above, said plate and casing having therein an opening and a passage, respectively, which form a passageway from said relief chamber to said outlet chamber, means to insure the alignment of said opening with said passage, and to locate said dome in a predetermined position circumferentially on said casing, and means to secure said dome and plate to said casing, a piston-head in said pressure chamber, a valve-stem member connecting said valve and piston-head, a valve-seat in said plate, a downwardly-opening valve for said last-named valve-seat, a tube below said last-named



lief chamber above, said plate and casing having therein an opening and a passage, respectively, which form a passageway from said relief chamber to said outlet chamber, means to insure the alignment of said opening with said passage, and to locate said dome in a predetermined position circumferentially on said casing, and means to secure said dome and plate to said casing, a piston-head in said pressure chamber, a valve-stem member connecting said valve and piston-head, a valve-seat in said plate, a downwardly-opening valve for said last-named valve-seat, a tube below said last-named

1,511,010. CASEMENT-WINDOW-SASH ADJUSTER. ROBERT C. SPENCER, Jr., River Forest, Ill., assignor to Casement Hardware Co., Chicago, Ill., a Corporation of Illinois. Filed May 31, 1922. Serial No. 564,679. 13 Claims. (Cl. 268-15.)

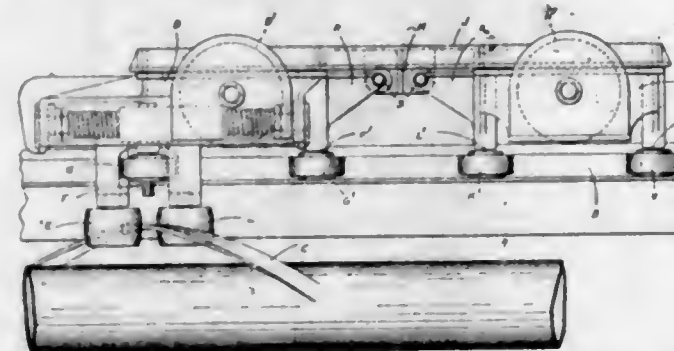


13. The combination with a casement window frame and a sash hinged thereto, of means for adjusting said sash, said means being supported by the stool of said frame and throughout a portion of its length being flush with the top of said stool.

1,511,011. CONVEYING APPARATUS. BENJAMIN RATCLIFFE ADKINS, Upper Warlingham, and WILLIAM YORATH LEWIS, Southend-on-Sea, England. Filed Oct. 30, 1923. Serial No. 671,778. 6 Claims. (Cl. 104-167.)

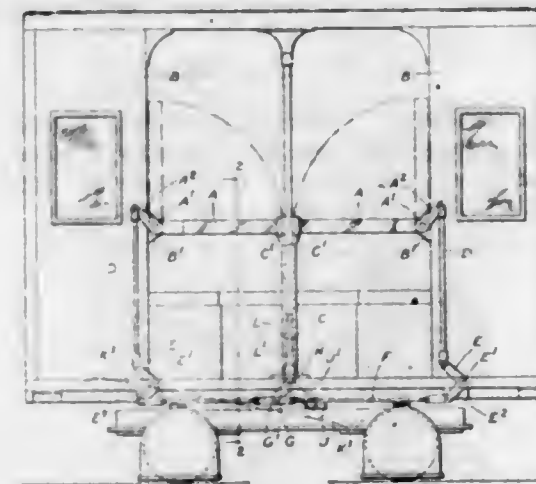
2. In conveying apparatus, the combination of two supporting track rails, a central guide track disposed between the track rails, a driving truck supported on

wheels running on the track rails, a pair of thrust rollers carried by the driving truck and adapted to engage respectively with the two sides of the central guide track, a second truck connected to the driving truck and similarly supported on wheels running on the track-rails, a pair of guide rollers carried by the



second truck and adapted to engage respectively with the two sides of the central guide track, and a resilient device tending to maintain the rollers in contact with the sides of the guide track with which they are adapted to engage as set forth.

1,511,012. AUTOMATIC DOOR-OPERATING MECHANISM. BENJAMIN RATCLIFFE ADKINS, Upper Warlingham, and WILLIAM YORATH LEWIS, Southend-on-Sea, England. Filed Dec. 6, 1923. Serial No. 679,013. 3 Claims. (Cl. 105-341.)

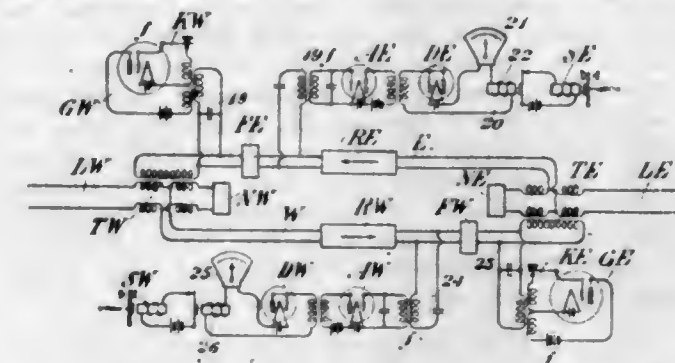


1. In automatic door-operating mechanism for use in vehicles movable along fixed tracks, the combination of a door mounted to swing about a horizontal pivot, a lever mechanism adapted to move the door about its pivot, a roller operatively connected to such mechanism, and a fixed cam track having two operative portions sloping in opposite directions, the roller being adapted to engage with the surface of one operative portion to effect the opening of the door and with the surface of the other operative portion to effect the closing of the door, the length of each operative portion being such that the door is positively moved thereby only for a portion of its travel in either direction as set forth.

1,511,013. EQUALIZATION OF CARRIER TRANSMISSIONS. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 8, 1920. Serial No. 394,767. 14 Claims. (Cl. 178-44.)

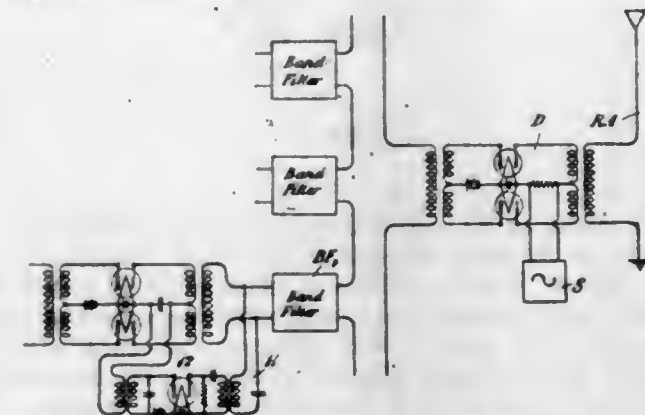
1. In a signaling system in which a plurality of signals are simultaneously transmitted over a common conducting path by means of carrier currents of different frequencies, the method of maintaining the transmission substantially constant for all transmission frequencies which consists in subjecting a pilot channel to substantially the same conditions causing attenuation as those affecting the transmission frequencies, producing an in-

dication by current transmitted over the pilot channel, and so adjusting the transmission characteristics of the



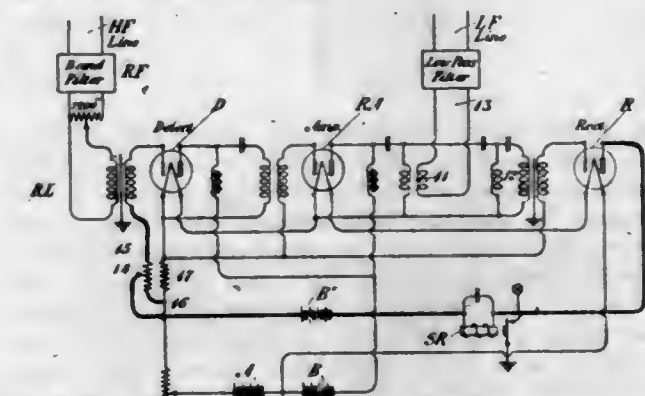
circuit in accordance with the indication produced when the indication is abnormal as to substantially restore to normal the transmission of the carrier frequencies.

1,511,014. TRANSMISSION REGULATION. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 4, 1922. Serial No. 558,445. 11 Claims. (Cl. 178-44.)



1. The method of controlling transmission in a carrier system in which the carrier is transmitted along with the side band, which consists in transmitting components corresponding to the carrier and side band over a medium whose transmission is variable under different conditions, selecting a component corresponding to the carrier from the corresponding side band component, producing from the selected component a current having characteristics depending upon the transmission conditions to which the transmitted energy has been subjected, and controlling the amplitude of the low frequency signaling currents produced from the transmitted side band component in accordance with the characteristics of the current produced from the component corresponding to the carrier.

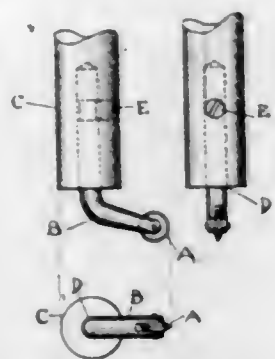
1,511,015. TRANSMISSION REGULATION. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 4, 1922. Serial No. 558,446. 20 Claims. (Cl. 178-44.)



1. The method of controlling transmission in a carrier system in which the carrier is transmitted along with the side band and in which a detector is employed to

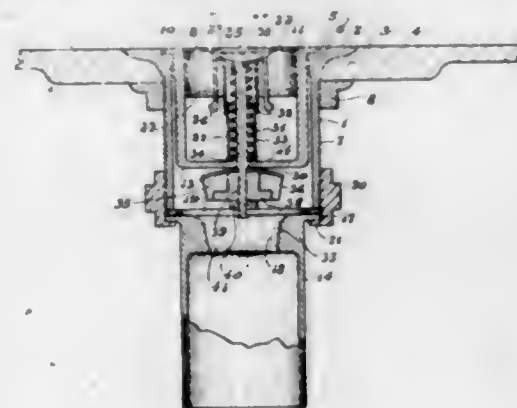
detect the signal, which consists in transmitting the carrier and side band over a medium whose transmission is variable under different conditions, combining the carrier together with the side band in the detector to detect the low frequency signalling wave represented by the side band, selecting the unmodulated carrier from the output current of the detector, producing from the selected carrier a current having characteristics depending upon the transmission conditions to which the carrier has been subjected, and controlling the efficiency of the detector in accordance with the characteristics of the current thus produced to compensate for the change in efficiency of the transmitting medium.

1,511,016. GLASS-CUTTING MECHANISM. A. PRESCOTT BARKER, Lynn, Mass. Filed May 16, 1922. Serial No. 561,398. 2 Claims. (Cl. 49-48.)



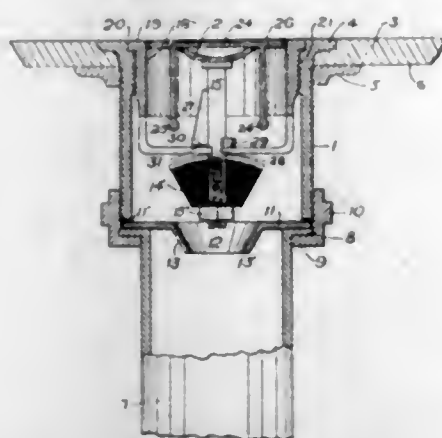
1. A glass cutter comprising a handle, a glass-cutting element, a carriage presenting angularly disposed portions, one of which portions is engaged in a socket in the said handle while the other portion engages and supports the said glass-cutting element, the said socket-engaging portion being adapted to turn within the socket and being provided with a circumferential groove, and a holding screw carried by the said handle and mounted in an opening formed in the handle at right angles to the said circumferential groove of the said socket-engaging portion of the said carriage.

1,511,017. SINK-DRAIN WATER STOP. JACOB G. BINDER, Bromley, Ky. Filed Sept. 17, 1923. Serial No. 663,140. 5 Claims. (Cl. 4-287.)



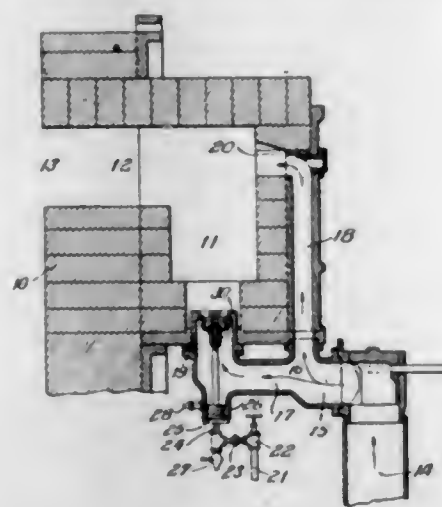
1. In a sink drain water stop, a sink having a drain outlet, a tube mounted therein with its top substantially flush with the upper surface of the sink bottom, a drain pipe, means for coupling said tube to said pipe, a duct mounted in said tube with its upper end flush therewith, a supporting web depending from said duct and having a hole centrally therethrough, a perforated vertically slidable drain plate mounted in said duct, a stopper connected to said drain plate and spaced apart therefrom, a spring interposed between said drain plate and web to normally hold said drain plate in upper position and a drop handle whereby said duct and stopper are adapted to be raised from closed to open position.

1,511,018. SINK-DRAIN STOP. JACOB G. BINDER, Bromley, Ky. Filed Mar. 4, 1924. Serial No. 696,903. 10 Claims. (Cl. 4-287.)



1. In a sink drain water stop, a sink having a drain outlet, a drain tube in said outlet and having its upper end supported flush with the upper surface of the bottom of the sink, a drain pipe connected to said drain tube and having a valve seat therein, a duct mounted in said tube and having its upper end flush therewith and provided with a downwardly extending web support having a central hole and side slot, a strainer slidable vertically in said duct, a stem connected to said strainer, a stopper connected to said stem and adapted to engage said seat, a vertical fin fixed to said stem and adapted to enter said slot and a stop on said web adapted to engage said fin, substantially as set forth and for the purposes specified.

1,511,019. BURNER. GUSTAVE BLUMEL, Toledo, Ohio, assignor to Ferguson Furnace Company, Toledo, Ohio, a Corporation of Delaware. Filed July 24, 1922. Serial No. 576,954. 4 Claims. (Cl. 158-76.)

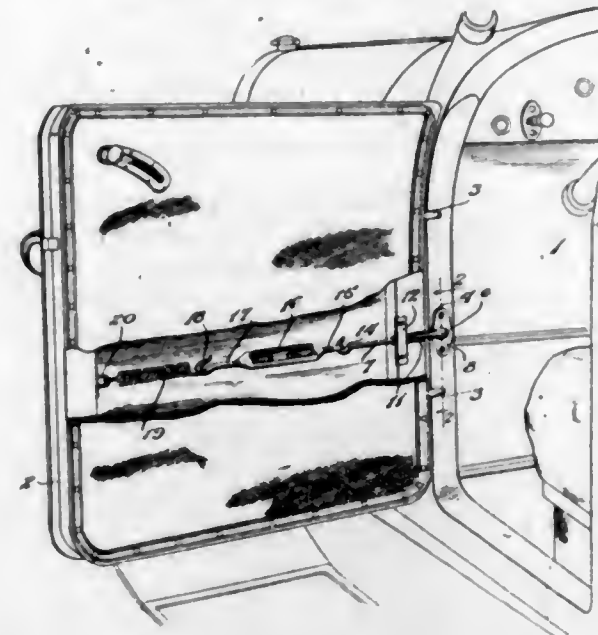


1. In a burner, the combination of a tubular casing having a shoulder at one end, a tubular flange depending from said shoulder and having a longitudinal passage therethrough terminating in a flame orifice, transverse passages connecting the interior of said tubular flange with the interior of said casing, and other passages connecting the interior of said casing with the exterior adjacent to the end of said longitudinal passage and an oil nozzle located within said tubular flange and having a plurality of ports opening transversely to the axis of the casing.

1,511,020. DOOR CLOSER. ARTHUR BORCHART, Centerville, Wash. Filed June 4, 1923. Serial No. 643,417. 2 Claims. (Cl. 16-72.)

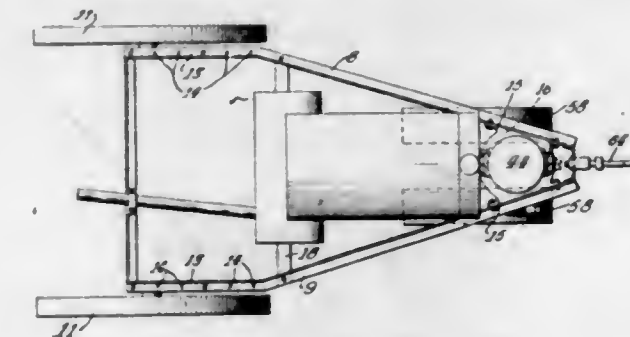
1. The combination with a vehicle body, and a door hinged thereto, of a rod mounted for universal movement upon the body eccentric to the door hinges and

extending across the side of the door at the hinged end thereof, a contractile spring attached to the latch end



of the door, and an extensible connection between said spring and said rod, the spring, the rod and the connection being always in alignment.

1,511,021. TRACTOR. CHARLES E. BORING, Rockford, Ill. Filed June 10, 1922. Serial No. 567,268. 1 Claim. (Cl. 180-26.)

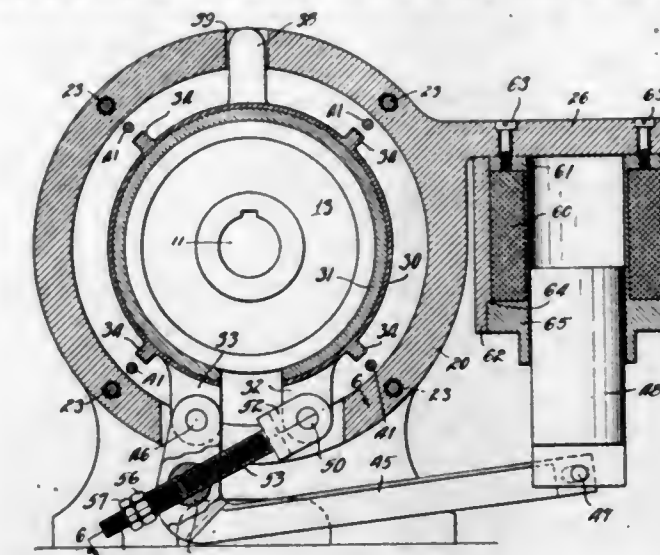


A tractor unit of the character described comprising a motor-supporting frame having forwardly converging side sills, a gear casing interposed between the forward ends of said sills and shaped to provide side ledges on which the sills are seated and secured, the casing having a closed bottom and an outer annular horizontal bearing below said ledges, a fore-and-aft motor-driven propeller shaft passing through said casing and journaled in the front and rear walls thereof, opposed bevel gears loose on said shaft within the casing, a vertical propeller shaft journaled in the bottom wall of said casing and equipped therein with a bevel gear in mesh with each of said bevel gears, a clutch on the first mentioned propeller shaft for connecting either of its gears thereto, a wheel casing having an upright column journaled on said horizontal bearing portion of the gear casing, a through axle journaled in the lower end of said column, a drive wheel fixed to each end of said axle, a worm gear fixed to said axle within the column, a worm on said vertical propeller shaft meshing with said worm gear, and steering means for turning said column on its bearing.

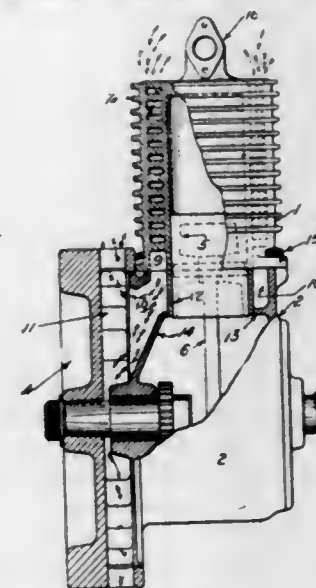
1,511,022. ELECTRIC BRAKE. FRANCIS W. BORKES, Cleveland, Ohio, assignor to The Chisholm-Moore Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 1, 1922. Serial No. 572,127. 17 Claims. (Cl. 188-174.)

9. In a device of the character described, the combination with a brake wheel, of a brake band comprising a split ring, a plurality of spaced ribs having tapered surfaces thereon, an endless member surrounding the

band and having a portion thereof complementary to the tapered surfaces on said band, a casing, and means associated with the casing for controlling the movement of the member, whereby the band may be opened and closed upon said wheel.

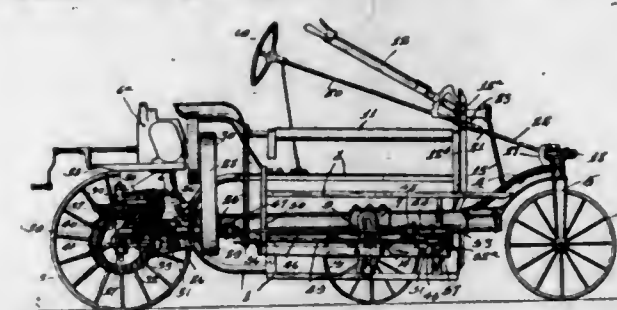


1,511,023. INTERNAL-COMBUSTION ENGINE. ALEXANDER T. BROWN, Syracuse, N. Y. Filed Apr. 6, 1917. Serial No. 160,092. 1 Claim. (Cl. 123-171.)



An internal combustion engine comprising a cylinder, a jacket surrounding the cylinder and open at its ends, the jacket having peripheral heat radiating projections and heat radiating studs connecting the cylinder wall and the jacket, the studs being integral with the cylinder and the jacket, and means for forcibly circulating air through the jacket from one end to the other thereof and then discharging said air into the atmosphere substantially as and for the purpose described.

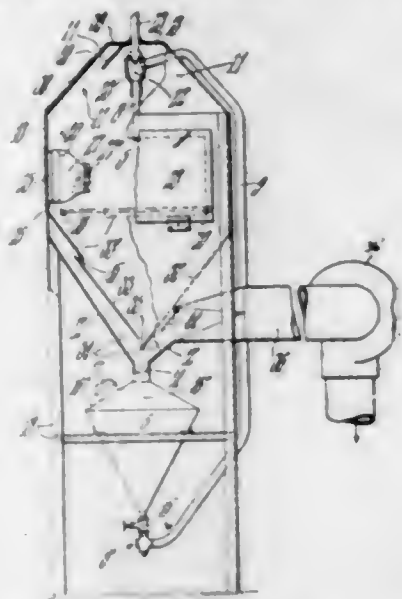
1,511,024. MOTOR AGRICULTURAL MACHINE. ALEXANDER T. BROWN and CHARLES S. BROWN, Syracuse, N. Y. Filed Dec. 16, 1921. Serial No. 522,891. 5 Claims. (Cl. 56-22.)



1. In a motor agricultural machine, a main frame, wheels supporting the main frame, an implement comprising a frame and movable parts carried thereby, the

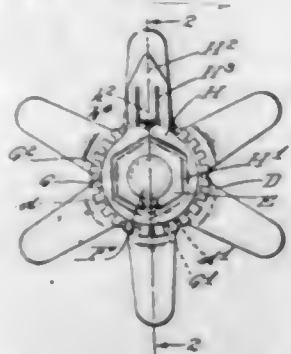
implement frame being mounted on the main frame to tilt about an axis, a motor mounted on the main frame and power transmitting connections between the motor and the movable parts of the implement comprising a drive shaft carried by the main frame on one side of the axis of the implement frame, a driven shaft carried by the implement frame on the other side of said axis, an intermediate shaft connected to the former shafts by universal joints, substantially as and for the purpose described.

1,511,025. SAND-BLASTING APPARATUS. GEORGE W. CHRISTOPH, Warehouse Point, Conn. Filed Oct. 27, 1921. Serial No. 510,932. 6 Claims. (Cl. 51-8.)



1. In a sand blasting apparatus, the combination of a work chamber in which the sand blasting operation takes place, said chamber having an outlet at the bottom thereof through which the sand flows by gravity in a thin stream, a work support in said chamber above said outlet, a nozzle for directing a blast of sand against the work in said chamber, an air jacket surrounding the lower walls of the work chamber, said lower walls being provided with an air passage connecting said jacket with the work chamber, said passage inclining downwardly from said jacket to said chamber to insure against the passage of sand therethrough, a hopper beneath said jacket for receiving the sand after it has operated upon the work, and passed through said outlet and air jacket, and means for drawing air from the work chamber through said passage and causing it to pass through the sand stream in said jacket to effect the removal of dust and dirt from the sand.

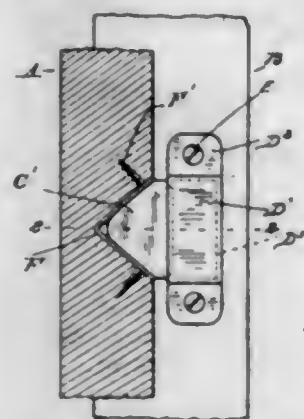
1,511,026. ADJUSTABLE TENSIONING DEVICE. AXEL CLEVEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Sept. 28, 1923. Serial No. 665,488. 1 Claim. (Cl. 267-10.)



An adjustable tensioning device, in combination with a spring element to be tensioned and the part against which it is lodged for reaction thereon, consisting of a threaded member mounted in and protruding from said part and through the spring element; a washer circularly

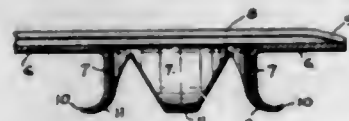
notched and applied on the threaded element outside the spring element and engaged with the latter against relative rotation of said two engaged parts; a nut on the threaded element and a locking member centrally apertured for the threaded element and countersunk around said aperture non-circularly for seating and engaging the nut, said locking member having a spring tooth struck out from it for engaging the notches of the washer.

1,511,027. ADJUSTABLE DOOR BUMPER. EDWARD J. CONNOLLY, Detroit, Mich., assignor to C. R. Wilson Body Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 27, 1922. Serial No. 603,639. 8 Claims. (Cl. 16-86.)



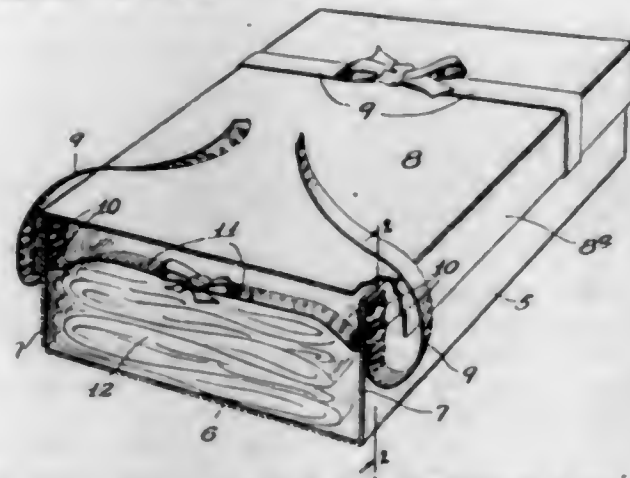
1. In an automobile door bumper, the combination with an adjustable cushioning member comprising a head and body portion respectively, of a member adapted to fit over said body portion, and means for clamping said body portion between said member and the jamb of the door.

1,511,028. LABEL HOLDER. JAMES COOKE, Omaha, Nebr. Filed Nov. 4, 1921. Serial No. 512,814. 3 Claims. (Cl. 40-16.)



1. A label holder comprising a body plate of soft sheet metal bent at the side edges to form label receiving flanges and provided between the flanges with a series of transversely curved swage-hardened tongues formed integral with the body plate and extending perpendicularly thereto, said tongues having pointed ends and wide base portions, the latter joining the body plate, said hardened tongues being adapted for driving into an imperforate support, to secure the label holder to the face of the same.

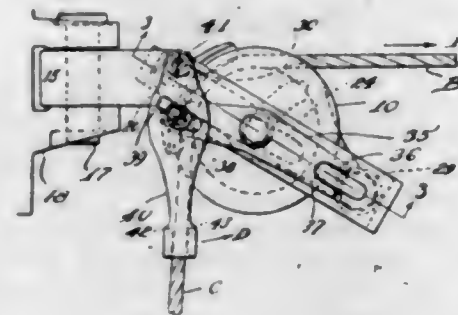
1,511,029. TIE CORD FOR CONTAINERS. HARRY DEXMAN, Bronx, N. Y. Filed June 9, 1923. Serial No. 644,322. 8 Claims. (Cl. 220-46.)



1. A box of the class described comprising a box member proper and a cover member, the side walls of said

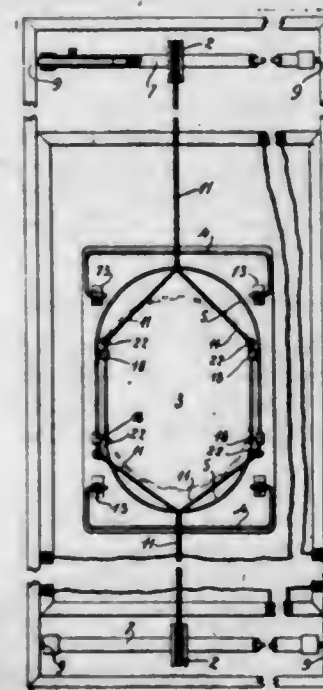
box member being provided with tie cords secured thereto by one or more staples, the attached end portions of said tie cords being located within the side walls of the cover member, and the free end portions of said tie cords being adapted to extend outwardly, upwardly and around said cover member for securing the same to the box member.

1,511,030. SHEAVE LOCK. HARRY C. DINDINGER, Moline, Ill. Filed Dec. 11, 1922. Serial No. 606,074. 13 Claims. (Cl. 188-64.)



1. In combination, a sheave, a supporting frame therefor, a locking shoe mounted on the frame and movable relatively thereto, and means for maintaining the clamping face of the shoe concentric to the periphery of the sheave during such movement.

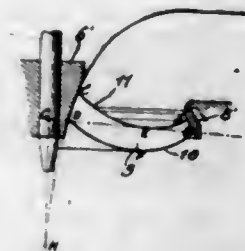
1,511,031. WINDOW-WASHING DEVICE. VERNE E. ELLIS, New York, N. Y. Filed Jan. 24, 1921. Serial No. 439,705. 3 Claims. (Cl. 15-251.)



1. In a window cleaning device, a plate; flexible means secured to the plate for providing tractional movement of the plate by manual operation of said means; and springs having parallel straight portions connected by bow ends; the straight portions being secured at their terminals to the plate, the bow end of one spring being opposed to the bow end of the other spring and the straight portions of one spring being in parallelism with the straight portions of the other spring, the springs due to their resiliency being spaced away by an increasing distance from the face of the plate for the length of the springs from the points of their attachment to the plate to their bow ends; the flexible means when in operable position bearing on the bow ends of the springs and when manually operated compressing the springs for thereby pressing the plate against the glass of the window.

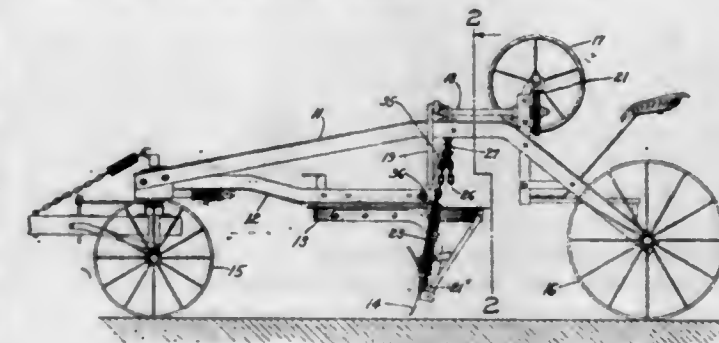
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1,511,032. HYDRAULIC TURBINE RUNNER. OSCAR C. GOERIZ, New York, N. Y. Filed May 27, 1921. Serial No. 473,023. Renewed May 31, 1924. 4 Claims. (Cl. 253-117.)



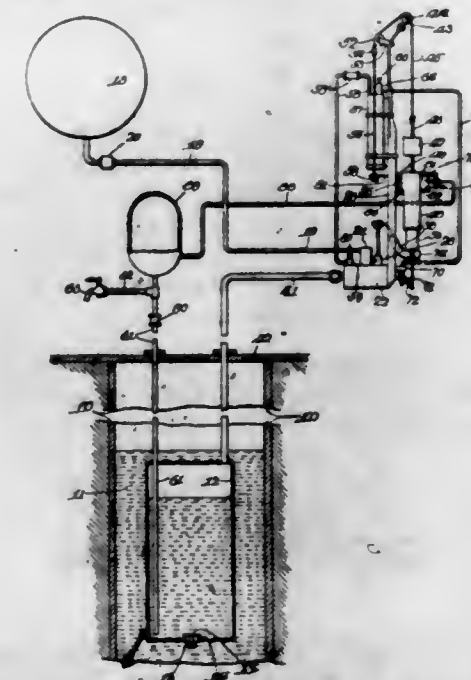
1. A turbine runner comprising a hub and blades extending laterally therefrom and provided with longitudinally curved entrance and exit edges, the point of greatest depression of the entrance edge being disposed approximately in a horizontal plane extending through the ends of the exit edge of the runner blades at a right angle to the axis of said hub.

1,511,033. ROAD-MAINTENANCE MACHINE. CARL A. GUSTAFSON, Minneapolis, Minn., assignor to Russell Grader Manufacturing Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 23, 1923. Serial No. 620,739. 10 Claims. (Cl. 37-156.)



1. In a machine of the class described, the combination of a frame, a blade and means for supporting it from said frame, with means for eliminating lost motion in said blade supporting means.

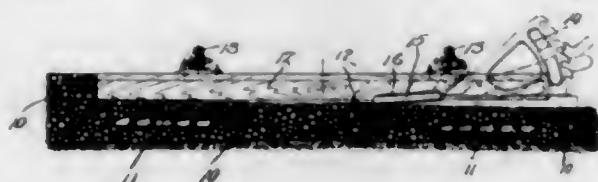
1,511,034. CONTROLLING APPARATUS FOR AIR-PRESSURE SYSTEMS FOR PUMPS. AUGUST F. HABENICHT, Tinley Park, Ill. Filed Feb. 23, 1923. Serial No. 620,820. 6 Claims. (Cl. 103-245.)



1. In an apparatus of the class described, the combination with a supply of compressed air, of a tank having communication with a supply of water, a valve for con-

trolling the flow of water into said tank, a connection communicably uniting said tank to said compressed air supply, valved means cooperating with said connection for delivering compressed air to said tank, and means also co-operating with said connection for controlling the flow of air from said tank, said last named means including an exhaust valve in said connection, a cylinder in communication at one of its ends with said connection, an adjustable needle valve to regulate the supply of air to said cylinder, a weight actuated piston head and rod mounted for reciprocation in said cylinder for cooperation with said exhaust valve to open the same when moved in one direction and to close said valve when actuated by weight in the opposite direction.

1,511,035. METHOD OF BEDDING RAILROAD SLEEPERS WITHOUT TAMPING. HERMANN HALTER, Munich, Germany. Filed July 9, 1920. Serial No. 395,140. 4 Claims. (Cl. 104-10.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. That method of rebedding railroad sleepers which consists in elevating the sleeper and introducing beneath the elevated sleeper a pan open at opposite ends and with upstanding sides and containing a quantity of concrete in a plastic state, and tilting said pan and vibrating the same laterally to jar the pan against opposite sides of the sleeper and move the same longitudinally beneath the sleeper for depositing a top layer of concrete on the road bed beneath the sleeper.

1,511,036. COFFIN LID. GEORGE W. HEMBY, Greenville, N. C. Filed Mar. 16, 1922. Serial No. 544,205. Renewed Mar. 12, 1924. 3 Claims. (Cl. 27-14.)



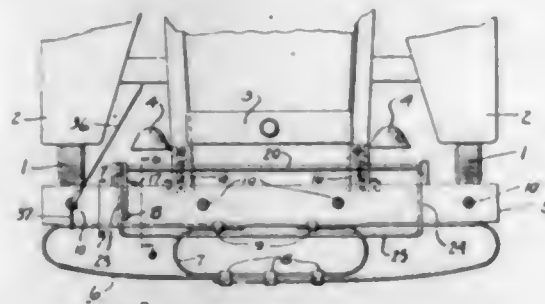
1. A coffin comprising a box, a lid for the box, the head portion of the lid being longitudinally and transversely cut away, doors connected to the lid and movable in a horizontal plane into and out of the cut away portions, and movable means carried by the box of the coffin for supporting the doors in open position.

1,511,037. LINK BELTING. HENRY A. HOUSE, Bridgeport, Conn. Filed Sept. 27, 1923. Serial No. 665,071. 8 Claims. (Cl. 74-64.)



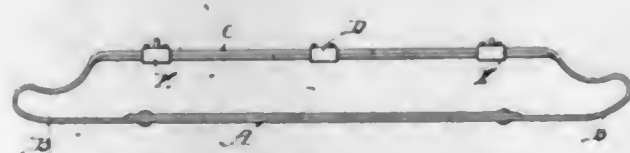
1. A link belt unit consisting of a sheet metal plate having means at its opposite ends for flexible connection with a similar plate and formed intermediate of its ends with additional means resiliently yielding to excessive longitudinal pull or strain upon the link plate.

1,511,038. SAFETY FENDER. WALTER J. MOORE, New York, N. Y. Filed Feb. 10, 1922. Serial No. 535,472. 25 Claims. (Cl. 293-54.)



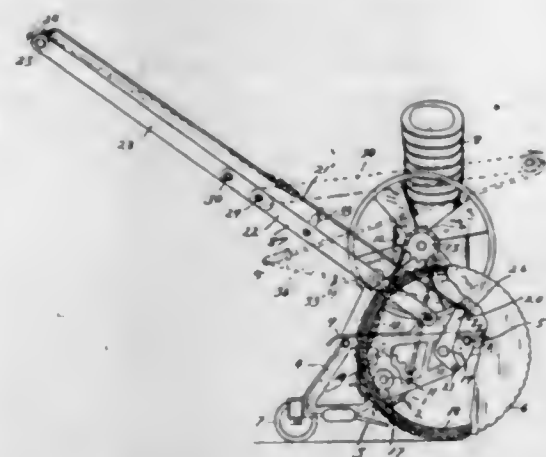
4. The combination with a vehicle, of a safety fender thereon adapted to prevent objects from passing beneath wheels of the vehicle and comprising a pivoted guard member adapted to be moved from a position where the axis of the pivot is transverse to the vehicle to a position where said axis is longitudinal of the vehicle and means for preventing movement of said guard member in one direction about its pivot.

1,511,039. AUTOMOBILE BUMPER. WILLIAM G. PAN-COAST, Wilmette, Ill., assignor to Bldex Products Company, Waukegan, Ill., a Corporation of Delaware. Filed Jan. 31, 1923. Serial No. 616,022. 5 Claims. (Cl. 293-55.)



1. A bumper comprising resilient bars extending in vertically spaced relation and bent in U-shape throughout the end portions thereof, and thence offset vertically into flatwise contact at points disposed inwardly from the ends of the bumper and forming portions of double thickness for connection to a vehicle.

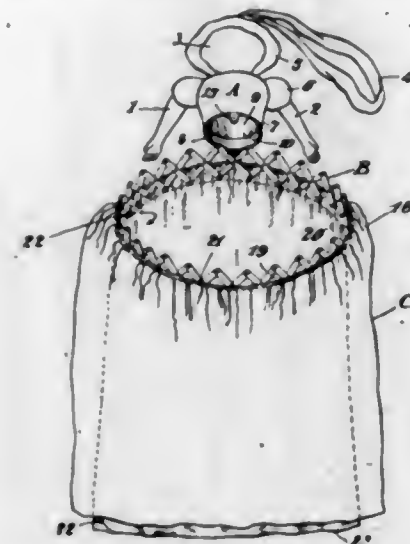
1,511,040. LAWN MOWER. MARK S. RAMSEY, Detroit, Mich., assignor to Moto-Mower Company, Detroit, Mich., a Corporation of Michigan. Filed June 27, 1921. Serial No. 480,642. 4 Claims. (Cl. 56-26.)



1. A lawn mower comprising a frame, a rotary cutter upon said frame, a motor mounted upon said frame for driving said cutter, ground wheels at opposite sides of said frame, a foldable handle comprising inner and outer side bars connected to said frame and pivotally connected to each other, means for detachably securing said inner and outer side bars in substantial alignment with each other, and a foldable member mounted upon said

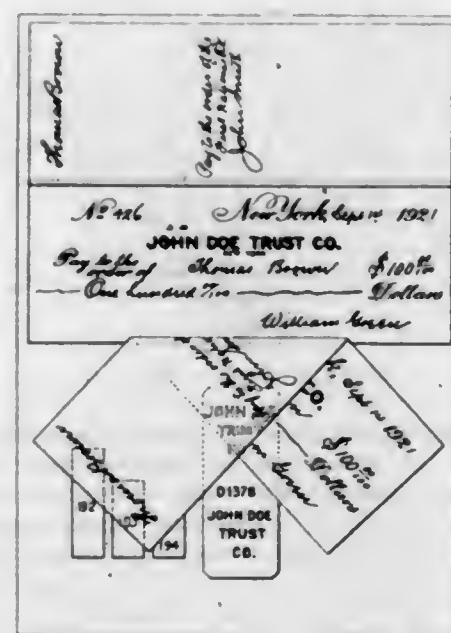
handle for controlling the driving of said ground wheels from said motor, said member comprising inner and outer rods pivotally connected to each other.

1,511,041. DOLL VANITY BAG. JOSEPHINE G. ROVIRA, New York, N. Y. Filed Feb. 26, 1923. Serial No. 621,206. 1 Claim. (Cl. 150-45.)



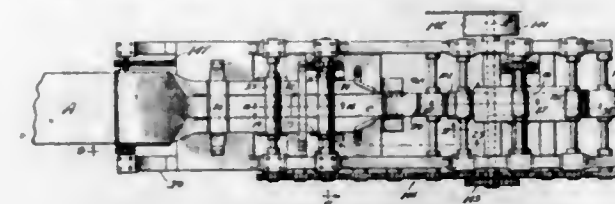
An ornamental doll-bag comprising a top-portion shaped in semblance to the upper part of the human body and having a downwardly projecting circumferential flange on its lower part; a bottom portion, in its outer part simulating any garment to serve as the leg and hip clothing of a human being but having a large top opening adapted to be closed in pleats into a smaller circumference and a bottom closure for said bottom portion; a lazy-tongs ring secured at intervals circumferentially to said top-opening; a hinge securing said ring to said top-portion so that said top-portion with its flange can be tilted to free said top-opening or be swung over so that said ring is grasped and covered by said flange; the whole, when closed, resembling a dressed doll, the parting between the top portion and the bottom portion being at the waist line.

1,511,042. METHOD OF IDENTIFYING DOCUMENTS. HENRY S. SATTERLEE, New York, N. Y. Filed Oct. 1, 1921. Serial No. 504,613. 4 Claims. (Cl. 95-5.)



1. The method of identifying documents, which comprises successively photographing upon the same sensitized element the face and the back of a document and photographing upon said sensitized element at each exposure an identifying mark.

1,511,043. METHOD OF AND MACHINE FOR MAKING PAPER BAGS. JAMES M. SULLIVAN, Chicago, Ill. Filed July 26, 1922. Serial No. 577,495. 46 Claims. (Cl. 93-18.)



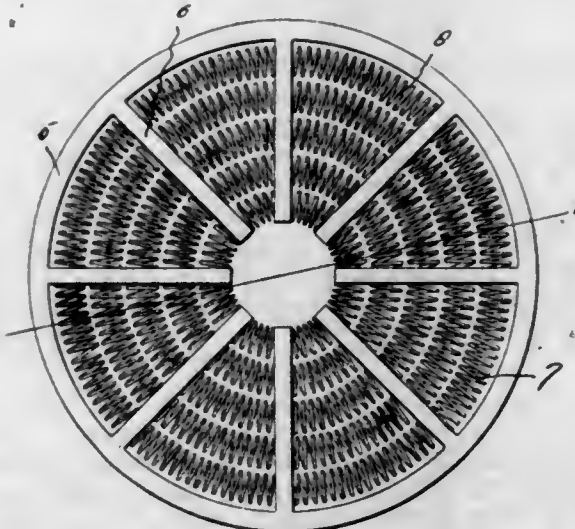
1. A paper bag machine having, in combination, means for folding a sheet into a flat tubular strip, means providing an opening in one wall of the strip, and means for folding a previously formed flap in the other wall of the strip through said opening.

1,511,044. FIGUREHEAD. ROY W. ADAMS, New Britain, Conn. Filed Oct. 16, 1922. Serial No. 594,958. 1 Claim. (Cl. 46-40.)



A representation of a winged figure having a hollow body, movable wings and support members therefor extending within said body, a fixed plate having a slot and a closed guide groove on either side of said plate, a bar in said slot having its ends operatively connected to said support members, cranks connected to said bar, each crank having a pin slidable in one of said grooves, springs fixed to said plate and said cranks each said spring operative to actuate one of said pins along its groove.

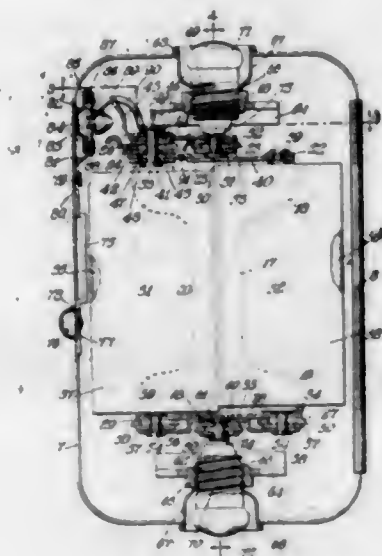
1,511,045. INTENSIFIER FOR BURNERS. WLADYSLAW S. ANDRYSIAK, South Bend, Ind. Filed Oct. 23, 1923. Serial No. 670,312. 1 Claim. (Cl. 126-214.)



A flame spreader and intensifier comprising a frame having an open center, said frame being provided with spaced ribs leading into the opening from the sides of the frame, said ribs being integral with the frame, and coiled springs disposed within the frame and located

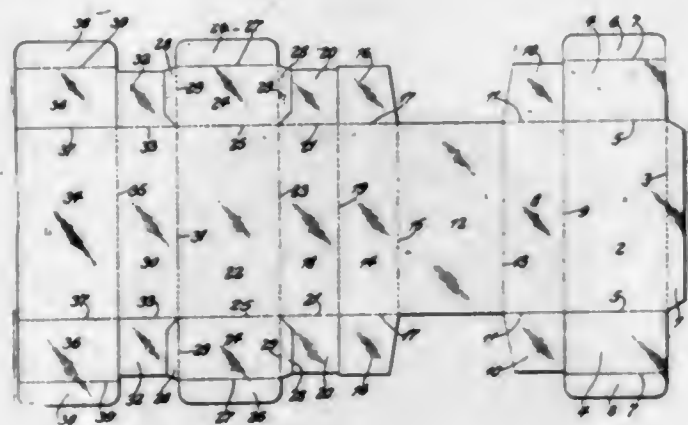
under the ribs, the convolutions of the coils of the springs being disposed approximately parallel with the longitudinal dimensions of the ribs.

1,511,046. FLASH LIGHT. EDMUND R. BARANY, Brooklyn, N. Y., assignor to Franco Electric Corporation, a Corporation of New York. Filed July 8, 1922. Serial No. 573,684. 5 Claims. (Cl. 240—8.5.)



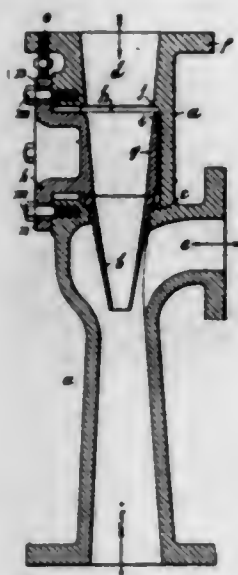
5. A flashlight comprising a casing having a lamp associated therewith, an electric cell arranged within said casing, a pair of cell-supporting-arms secured to said casing and supporting said cell, a contact arm carried by one of said cell-supporting-arms but insulated therefrom, said contact arm being electrically connected to said lamp, and operable means adapted to cooperate with said contact arm for placing said lamp in circuit with said cell.

1,511,047. CARTON. EDWARD BOCKHORST, Sr., St. Louis, Mo. Filed Feb. 2, 1922. Serial No. 533,588. 2 Claims. (Cl. 229—38.)



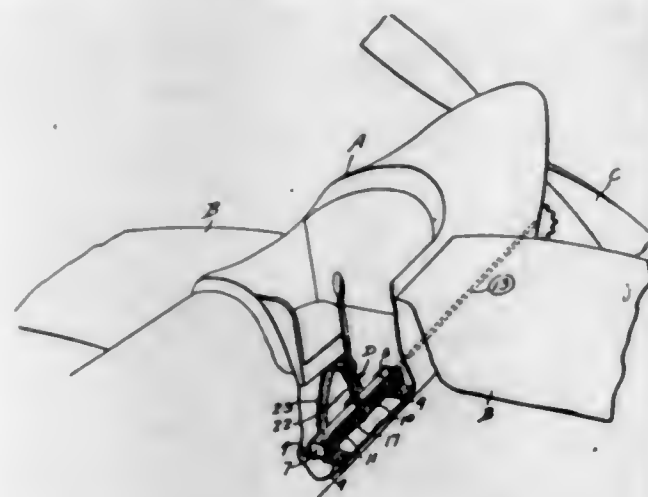
1. A carton formed from a single blank folded flat upon itself to form two ply side walls of the carton, a series of flaps formed at both ends of the blank providing at each end an inner series of four flaps, one of which has a down-turned lip engaging against the inner wall of the carton and another of which oppositely disposed from said last-named flap being provided with a series of down-turned lips engaging between the plies of the walls on three sides, and an outer series of flaps to seal the space between the two walls of the carton.

1,511,048. WATER INJECTOR. JOSEPH CAUTHERY, Manchester, and JAMES WILLIAM BANKS, Bradford, England. Filed Aug. 27, 1921. Serial No. 496,573. 1 Claim. (Cl. 162—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



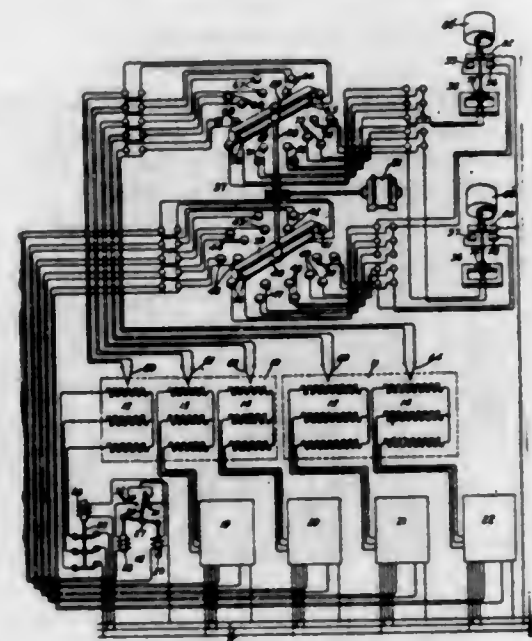
In an injector, a casing provided with two inlets and one outlet and having an internal shoulder and a lateral opening between the shoulder and one inlet, a nozzle formed in two sections arranged end to end and supported in the casing between the said inlet and the outlet, the outlet section being held against the said shoulder by the inlet section, and the inlet section being removable through the said lateral opening in the casing and provided with a flange which closes the lateral opening, and means which secure the said flange to the casing.

1,511,049. MECHANICAL MOTION. NILS HERMAN CEDERQUIST, Los Angeles, Calif. Filed Aug. 21, 1922. Serial No. 583,222. 1 Claim. (Cl. 74—40.)



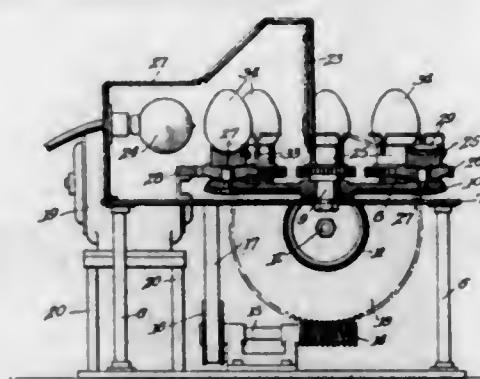
In a mechanical motion, a frame comprising spaced bearing blocks, T-rails joining said bearing blocks, a slide block mounted on said rails for reciprocation and having a bore extending therethrough, a screw journaled in said bearing blocks and extending through said bore, oppositely disposed rollers in said slide block extending transverse thereto and meshing with said screw so that linear movement of said slide block will cause rotation of said screw, oppositely disposed pintles on said slide blocks and a lever for reciprocating said slide blocks having one arm thereof provided with a bifurcated end straddling said slide block and pivotally secured to said pintles, said lever being pivotally mounted intermediate its ends.

1,511,050. TEMPERATURE REGULATOR. EDGAR F. COLLINS and ALBERT N. OTIS, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Feb. 20, 1922. Serial No. 537,094. 6 Claims. (Cl. 204—64.)



2. In a temperature regulator, the combination with a plurality of electric heaters, of a temperature responsive control device, and selective means for periodically connecting said control device to operate in conjunction with each of said heaters whereby said heaters are separately controlled so as to maintain a predetermined temperature.

1,511,051. ELECTRIC EGG TESTER. HENRY DIPPEL, San Francisco, Calif. Filed May 16, 1922. Serial No. 561,438. 7 Claims. (Cl. 99—6.)

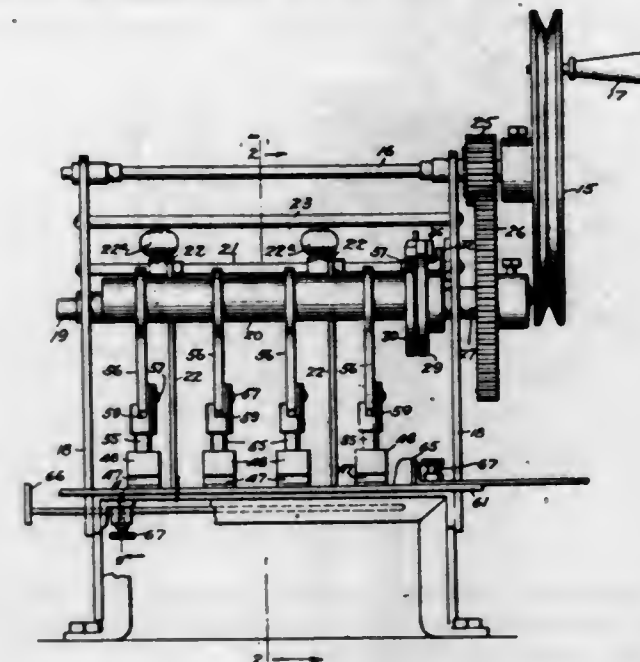


4. In an egg candling device having a source of light, a turntable rotatable near said source of light, and individual egg supporting devices carried upon the turntable and each adapted to support an egg in an upright position, the combination therewith of means whereby as the egg supports approach the source of light they are rotated to cause the eggs to turn on their longitudinal axes.

1,511,052. PUNCHING MACHINE. AUGUSTUS N. DODS, Mount Vernon, N. Y. Filed Oct. 24, 1921. Serial No. 509,795. 17 Claims. (Cl. 164—90.)

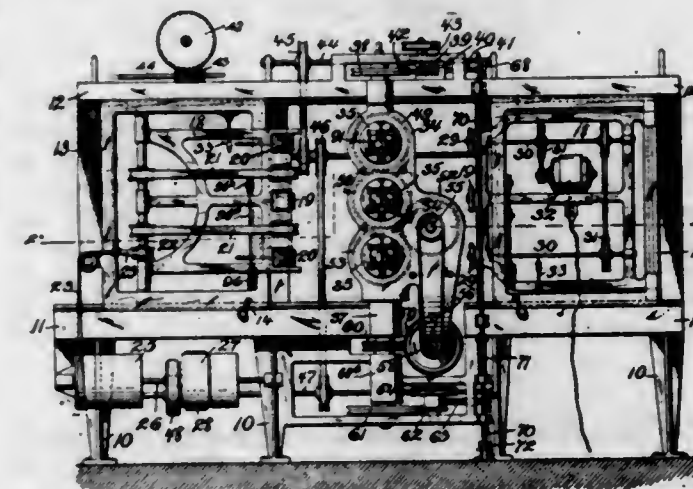
1. A machine as characterized comprising a plurality of punch apparatuses, each embodying a die block and

punch reciprocally mounted therein; means for reciprocating said punch; and automatic means for arresting



ing said punch at the completion of its operation, said means embodying a clutch, and a latch normally operated for arresting the movement of said clutch.

1,511,053. MACHINE FOR FINISHING THE ENDS OF TURNED ARTICLES. GEORGE W. DUCHEMIN, Newark, N. J. Filed June 18, 1922. Serial No. 568,066. 4 Claims. (Cl. 142—7.)

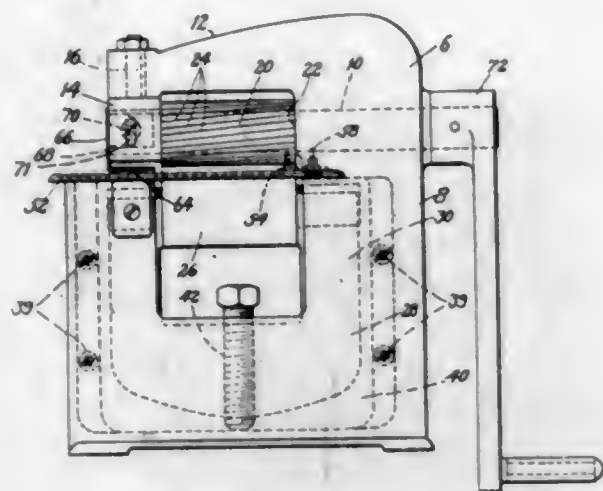


1. A machine for finishing the ends of turned articles comprising a rotatable chuck support, a set of chucks rotatable in the chuck support on an axis perpendicular to the axis of the rotation of the support and adapted to hold the articles and a pattern with their ends exposed, yieldingly swinging gates having cutters and a tracer to engage the ends of the articles, means for rotating the chuck support and means for rotating the chucks in the support.

1,511,054. MACHINE FOR CUTTING SHEET MATERIAL. FREDERICK DUNCAN, Perth, Western Australia, Australia, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 30, 1924. Serial No. 689,470. 7 Claims. (Cl. 164—68.)

1. In a machine of the character described, a cutting cylinder for making cuts in sheet material, a roller for co-operation with the cutting cylinder to assist in cutting and in feeding the material, said cutting cylinder having its cutters extending nearly parallel with the axis of the

cylinder with each blade so arranged that one end thereof is considerably in advance of its other end, and mountings



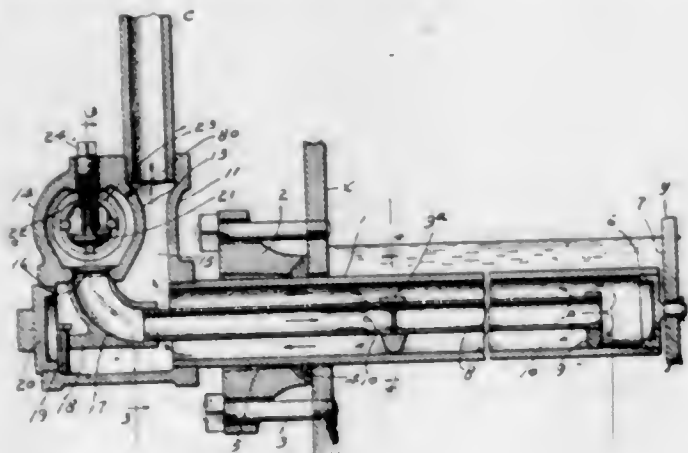
for the cylinder and the roller so arranged that relative tipping movement may take place between the latter in the plane defined by their axes.

1,511,055. CIRCUIT CLOSER FOR CAR DOORWAYS. JAMES L. ENTWISTLE, Central Falls, R. I. Filed Sept. 29, 1921. Serial No. 504,251. 2 Claims. (Cl. 200-54.)



1. In combination with a sliding car door, a collapsible bumper of U-shape in cross section secured along one vertical edge of the door from top to bottom of the latter, a stationary strip contact extending substantially from top to bottom of the door and attached to the edge of the latter within said bumper, and a second strip contact extending substantially from top to bottom of the bumper and secured to the inner face of the same outwardly of the first named contact.

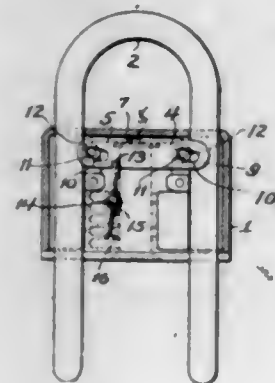
1,511,056. WATER HEATER. JOHN EDWARD ERKAN-BRACK, Chicago, Ill. Filed Nov. 10, 1922. Serial No. 600,160. 5 Claims. (Cl. 122-20.)



1. A water heater comprising inner and outer conduit members adapted to be submerged in a body of hot water, a housing within which the outer ends of said conduit members terminate, an apertured partition within said housing dividing the same into two chambers into one

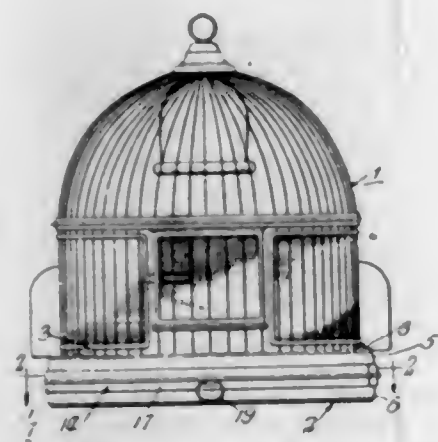
of which the outer conduit member discharges, an elbow within said last mentioned chamber and connected to the adjacent end of said inner conduit member, the opposite end of said elbow engaging said partition at the aperture therein, and a threaded device carried by said elbow and engaged with said housing whereby said elbow is maintained in engagement with said partition.

1,511,057. PADLOCK. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Mar. 5, 1923. Serial No. 622,952. 2 Claims. (Cl. 70-108.)



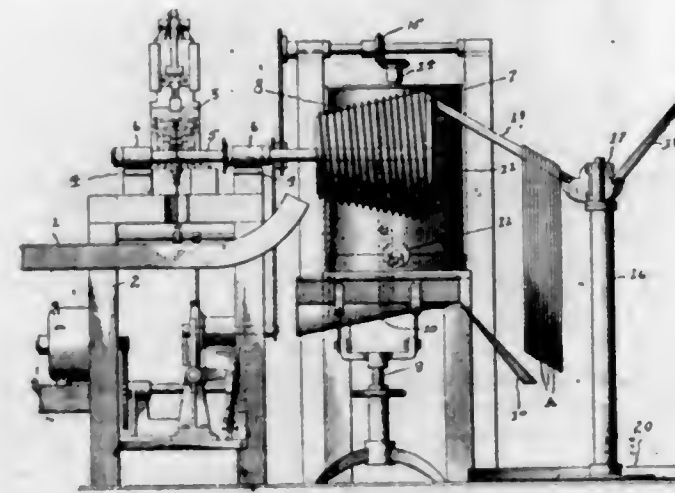
1. In a padlock, the combination with a casing and an adjustable shackle, of a key controlled cam device, clutch means between said cam device and the shackle, spring means operable to wedge said clutch means between the cam means and the shackle to hold the latter against outward movement and means whereby the key actuated means may be operated to release the shackle from said clutch means.

1,511,058. BIRDCAGE. LEWICKI J. LEON, Chicago, Ill. Filed May 31, 1923. Serial No. 642,391. 8 Claims. (Cl. 119-17.)



1. A base for bird-cages circular in shape and having a hole in its top wall, and a drawer or tray slidably mounted in said base beneath said hole, said drawer being slidable into and out of said base through an opening in the front wall of the same, said opening having a length less than half the circumference of the base and the drawer being of a size to pass through said opening, said drawer having a front wall conforming to the curvature of said base and closing said opening when the drawer is closed in the base.

1,511,059. METHOD AND APPARATUS FOR COATING AND DRYING TIRE-BEAD RINGS. HARVEY F. MARANVILLE, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed July 22, 1919, Serial No. 312,474. Patent No. 1,451,169. Divided and this application filed Nov. 3, 1919. Serial No. 335,513. 20 Claims. (Cl. 91-46.)

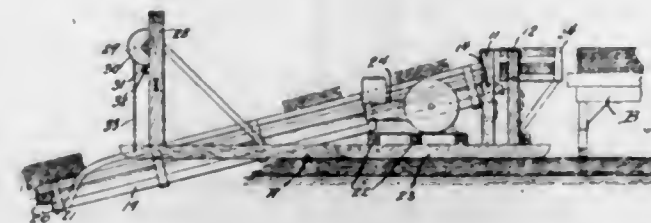


1. A machine for coating articles of the character set forth comprising, a tank, a drum located above the tank, a spiral groove on said drum and means for rotating the drum.

3. A machine for coating and drying articles of the character set forth, comprising a tank, means for carrying the articles through the tank and rotating them therein, and a drying rack having a plurality of inclined arms to which the carrying means discharges.

12. The herein described method of coating pre-formed tire beads in ring form which consists in providing a coating bath, suspending a ring above the bath, simultaneously rotating the ring about its axis and translating it through the bath and lifting the ring out of the bath.

1,511,060. LOADING MACHINE. FRED MILLER, Green Bay, Wis. Filed Feb. 28, 1923. Serial No. 621,808. 1 Claim. (Cl. 198-121.)

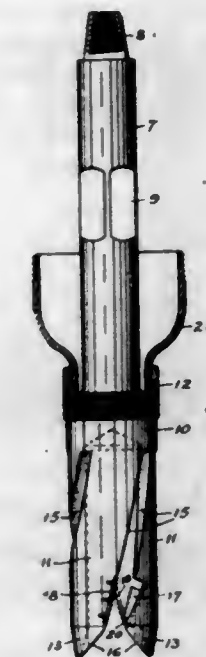


A machine of the character described, comprising a main frame having runners, pairs of uprights rising from the rear end of the main frame, a conveyor frame swingingly mounted between the forward pair of uprights and having an endless conveyor, an auxiliary runner frame extending laterally from the main frame at its rear end, a motor on the auxiliary frame, connections between the motor and conveyor for driving the latter, means near the forward end of the main frame for raising and lowering the conveyor frame, and a stand mounted between the rear pair of uprights for receiving material from the conveyor.

1,511,061. FISHING TOOL FOR DEEP-WELL AUGER STEMS. LORAN E. NEEBEGALL, Denver, Colo. Filed Jan. 8, 1923. Serial No. 611,360. 5 Claims. (Cl. 294-86.)

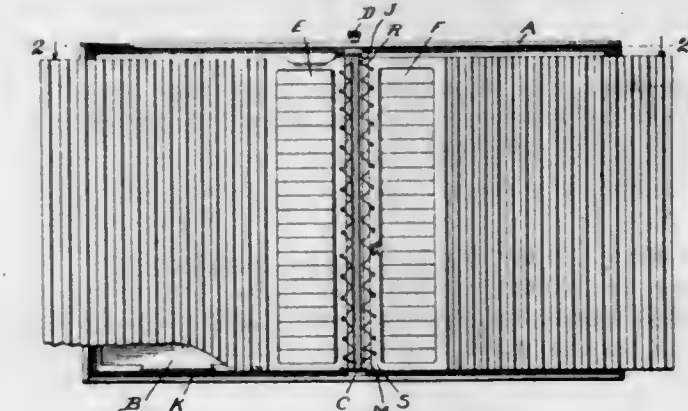
1. In a device of the class described, a head adapted to be guided by the sides of a drilled hole to substan-

tially center the same therein, means for connecting said head with suspended supporting means, a plurality of circumferentially spaced and terminally tapered prongs extending downwardly from said head, said



prongs having between them slots of substantially uniform width, and means in said slots at the adjacent sides of the prongs for clamping the flanges of a broken auger-stem.

1,511,062. OPEN-FACE SLIP INDEX. JOHN PEASE NORTON, Orange, Conn. Filed Mar. 7, 1919. Serial No. 281,296. 32 Claims. (Cl. 40-102.)



1. In a slip index, the combination of a case with an opening, a tray revolving on a vertical axis in said opening, thereby closing the opening, said tray being adapted for holding and supporting leaves.

1,511,063. ART OF TREATING CAST IRON. SAMUEL B. PACK, Washington, D. C. Filed Oct. 28, 1916. Serial No. 128,258. Renewed Mar. 8, 1924. 10 Claims. (Cl. 91-703.)

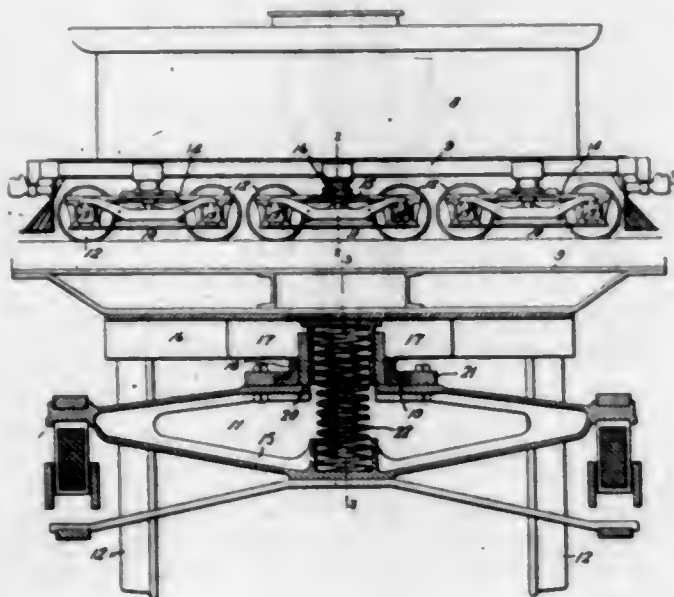
1. The herein described process, in the art of treating cast iron, which consists in permanently heat-expanding the metal until it becomes porous, then impregnating it with a material that will enter the pores and render it increasingly resistive to corrosion or oxidation.

5. The herein described process, in the art of treating cast iron, which consists in permanently heat-expanding the metal until it becomes porous, then immersing such expanded metal, while red hot, in a molten bath of another metal, whereby the cast iron becomes impregnated with the metal into which it is immersed.

7. In the art of treating cast iron, the herein described novel product consisting of permanently heat-expanded

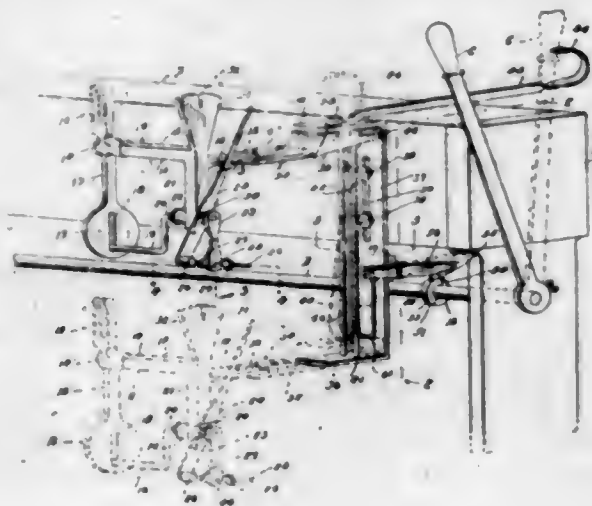
cast iron, the minute pores in which, due to the permanent heat-expansion, have been filled with a rust- and corrosion-resisting substance.

1,511,064. ELECTRIC LOCOMOTIVE. EDWARD D. PRIEST, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 4, 1920. Serial No. 401,206. 6 Claims. (Cl. 105-175.)



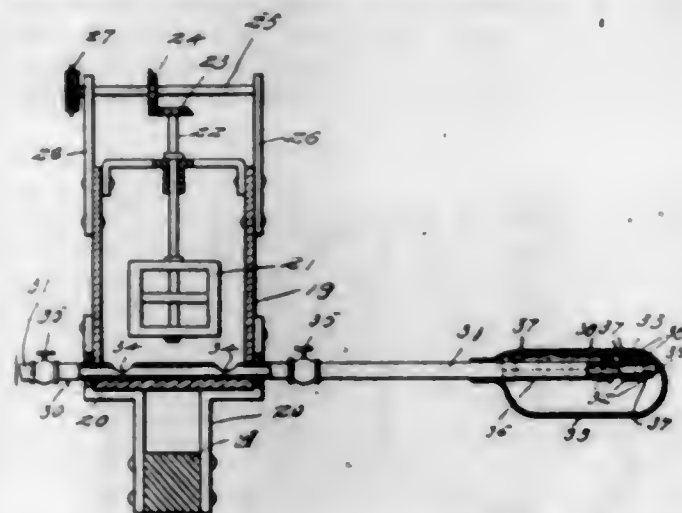
1. In a locomotive or car, a car frame, at least three trucks, each of said trucks being operative by itself and guided independently of said other trucks, each of said trucks comprising a plurality of axles, journal boxes for said axles and a truck frame supported on said journal boxes, means for supporting said car frame on at least two of said truck frames, at least one of said trucks being located intermediate said other trucks and pivotally mounted and free to move transversely with respect to said car frame.

1,511,065. LOOM WEAVE-LINE INDICATOR. ADOLPH E. RAVENELL, Norwich, Conn. Filed Feb. 6, 1923. Serial No. 617,318. 13 Claims. (Cl. 130-1.)



11. In a weave line indicator, gaging mechanism, means to mount said mechanism for movement to and from an operative position, and means controlled by said gaging mechanism to prevent operation of a loom while said gaging mechanism is in operative position.

1,511,066. POISON-APPLYING DEVICE. GEORGE N. REEVES, Mauk, Ga. Filed Apr. 15, 1922. Serial No. 553,096. 2 Claims. (Cl. 209-144.)



1. In an applying mechanism of the class described, a nozzle, a foraminous envelope reduced at one end to provide a constricted opening, the discharge portion of the nozzle being passable through said opening and disposed within the larger portion of the envelope and means on said discharge portion and within the envelope operable to regulate the discharge.

1,511,067. PROCESS OF AND APPARATUS FOR EXTRACTING OIL FROM OIL-BEARING STRATA. WILLIAM LOW RUSSELL, New Haven, Conn. Filed Oct. 14, 1922. Serial No. 594,427. 2 Claims. (Cl. 166-1.)

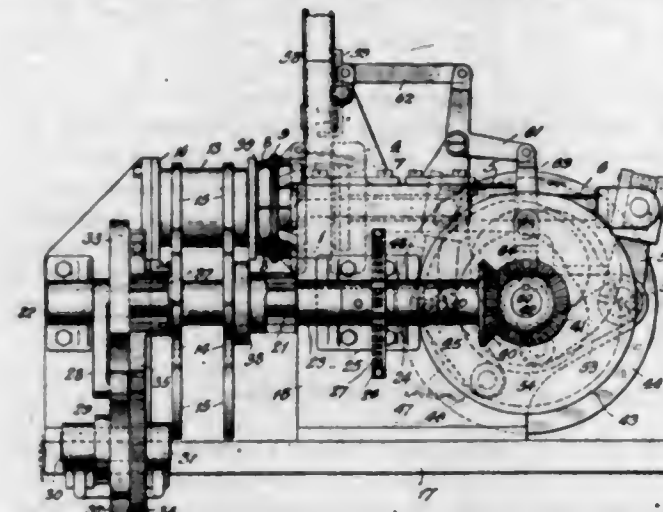


1. A process of extracting residual oil from oil-bearing strata consisting in subjecting the same to the searching action of a liquid under pressure containing a dissolved substance appearing as bubbles of gas as the pressure is relieved from the liquid whereby the oil is extracted from the oil-bearing strata by the reciprocal attraction between the bubbles and the oil, causing the latter to become attached in the form of a film to the exterior surface of the bubbles.

1,511,068. CAP-APPLYING APPARATUS. ALDEN B. STARR, Brooklyn, N. Y. Filed Feb. 24, 1923. Serial No. 620,924. 14 Claims. (Cl. 93-55.)

1. A cap-applying apparatus comprising a tubular head carrying outwardly movable jaws at its front end,

means resiliently holding the jaws closed to form a continuation of the tubular head, and a plunger movable



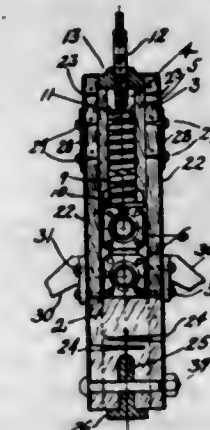
axially in the head for inserting a cap within the jaws and adapted upon a further movement relative to the head to open the jaws and release the cap.

1,511,069. AUTOMATICALLY-THREADING SHUTTLE. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 3, 1923. Serial No. 678,138. 6 Claims. (Cl. 139-223.)



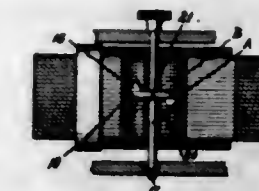
5. A loom shuttle having the wood of the shuttle cut away at one end to form a threading block receiving chamber, the two side walls of which are cut in non-parallel longitudinally extending planes diverging upwardly from the bottom portion of the chamber and diverging longitudinally of the shuttle towards the bobbin chamber, and a side delivery eye extending transversely of the shuttle and communicating with the threading block receiving chamber at the narrow portion thereof, and a thread casting device in the widened portion of the block chamber for casting the thread and partially unthreading the shuttle on the occurrence of a loop or overthrow.

1,511,070. WRINGER. BYRON A. WALKER, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed July 21, 1921. Serial No. 486,362. 5 Claims. (Cl. 68-32.)



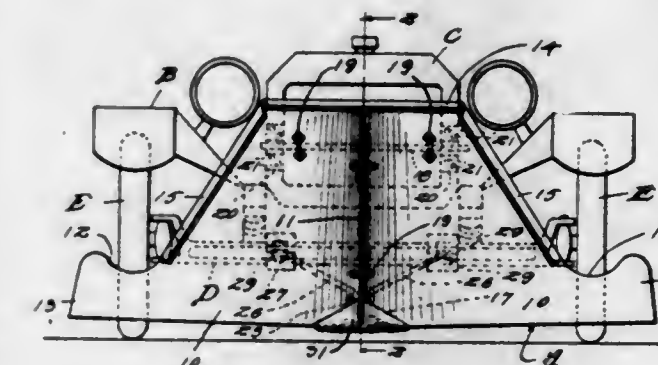
1. A wringer stile formed with a wooden inside having a bearing slot therein, and a metal sheath forming a housing for the front and rear walls of the wooden inside said sheath extending from the top to the bottom of said stile.

1,511,071. SELF-STARTING SYNCHRONOUS MOTOR. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed June 14, 1922. Serial No. 568,203. 5 Claims. (Cl. 172-120.)



2. A self-starting synchronous motor for alternating current comprising means for producing a rotating magnetic field and a single element rotor having starting and synchronizing characteristics and automatic means for causing the starting characteristic to predominate when the rotor is at rest and for causing the synchronizing characteristic to predominate when the rotor approaches synchronous speed.

1,511,072. AUTOMOBILE SNOW SHOVEL. CHRISTIAN W. BAUMANN, Cavalier, N. Dak. Filed May 10, 1923. Serial No. 640,218. 6 Claims. (Cl. 37-44.)



1. A shovel attachment for vehicles consisting of a shovel, said shovel extending across the plane of movement of a wheel thereof, and said shovel being recessed to receive said wheel for compact disposition with respect to the vehicle.

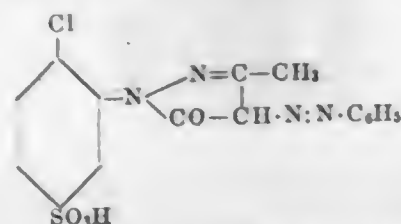
1,511,073. SCRAPER FOR WALKS. PAUL GAMPHER, Chicago, Ill. Filed Oct. 31, 1923. Serial No. 671,833. 6 Claims. (Cl. 37-53.)



1. In a scraper of the class described, a blade curved in outline and having a cutting edge on the upper and lower sides, and one of these edges being narrower than the other.

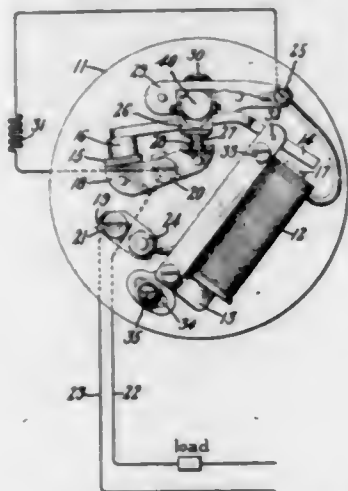
1,511,074. PYRAZOLONE DYE. LEON W. GELLER, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,887. 2 Claims. (Cl. 260—87.)

1. As a new product, the dye having the probable formula—



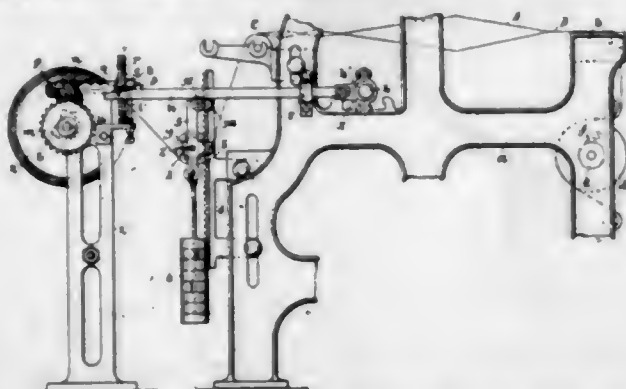
and obtainable by combining diazotized aniline with 1-(2-chloro-5-sulphophenyl)-3-methyl-5-pyrazolone, said dyestuff in the shape of its dry and pulverized sodium salt being a yellow powder, dissolving in water with a yellow color, the aqueous solution being scarcely altered in color by addition of aqueous ammonia, the dyestuff being precipitated as yellow flakes by the addition of hydrochloric acid, dissolving in concentrated sulfuric acid with a yellow color, and said dyestuff dyeing wool from an acid bath yellow tints fast to light and to acids.

1,511,075. CURRENT LIMITER. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Jan. 23, 1921. Serial No. 439,867. 2 Claims. (Cl. 200—90.)



1. In a current limiter having contacts, an electromagnet, a core for said electromagnet, an armature for operating the contacts, a pivotal support for said core, a pivot carried by said core for the armature adjacent the pivotal support for the core, said parts being so arranged that the adjustment of the core about its pivot changes the deenergized position of the armature with respect to the core, and means for adjusting the angular position of said core about its pivotal support.

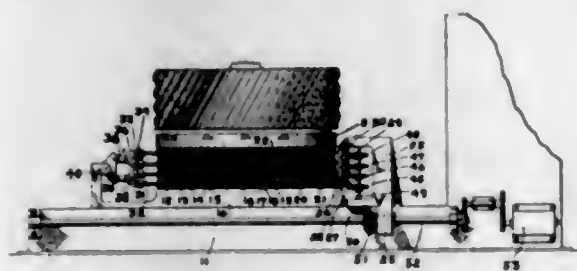
1,511,076. LET-OFF MEANS FOR LOOMS. ARTHUR J. HARRIS, Paterson, N. J. Filed Dec. 29, 1923. Serial No. 683,349. 2 Claims. (Cl. 139—110.)



1. In combination, an instrumentality to pull the warp forward, a rotary warp beam structure, a support on

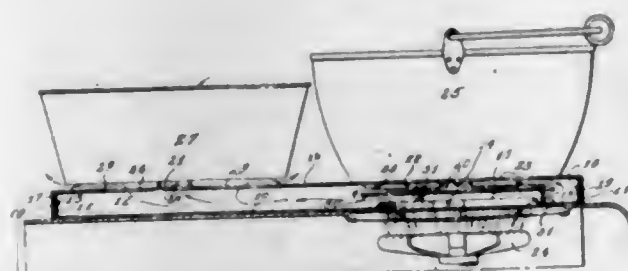
which said structure is journaled, an actuated means in the support normally holding said structure against rotation under the pull of the warp but adapted to be moved to permit such rotation, an oscillating actuating means movable periodically into engagement with the actuated means to cause such movement of the latter, one of said means including a cam affording such engagement and the part of one of said means which is engaged by the other being shiftable into and out of position for such engagement, and means, normally maintaining a bend in the warp between said instrumentality and said structure and yieldable transversely of and with the warp when the latter tightens, for controlling the shifting of said part.

1,511,077. GEAR CUTTER. FRANCIS HODGKINSON, Swarthmore, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Aug. 11, 1920. Serial No. 402,806. 9 Claims. (Cl. 90—1.)



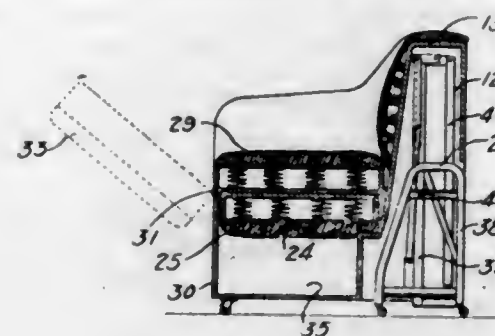
1. In a gear-cutting machine, the combination of a plurality of pairs of meshing driving and driven worm elements, shafts for supporting the driving worm elements, lever mechanism for interconnecting the shafts to equalize pressure, and driving mechanism for the other ends of the shafts, the points of engagement of said driving worm elements being in advance of each other by a fraction of the pitch determined by the number of driving worm elements.

1,511,078. ATTACHMENT FOR GAS STOVES. ERNEST A. HORNOSTEL, Des Moines, Iowa. Filed Aug. 8, 1921. Serial No. 490,594. 1 Claim. (Cl. 126—215.)



A heater attachment for gas stoves comprising upper and lower plates, each of said plates being provided with side and end members, the side and end members of one plate being designed to telescopically receive the side and end members of the opposite plate, a plurality of openings in the top member and an opening in the bottom member, the opening of said bottom member being opposite from one of the openings of said top member, the opening of said bottom member being provided with an upwardly extending annular flange, a circular deflector plate having a series of downwardly extending legs, the legs of said plate being designed to detachably rest outside of the side of said annular flange, said deflector plate being spaced midway between and parallel with the said upper and lower plates.

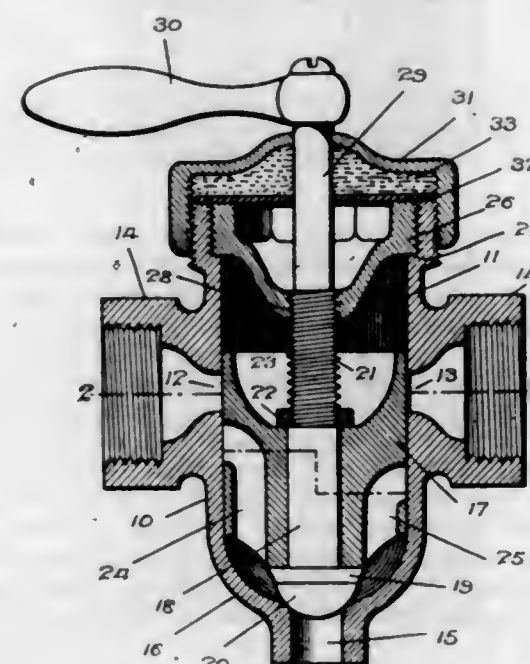
1,511,079. CONCEALABLE FOLDING BED. FRANCIS S. INCO, Los Angeles, Calif. Filed May 24, 1922. Serial No. 563,242. 3 Claims. (Cl. 5—1.)



1. In an article of furniture, the combination of: a davenport including a hollow back of substantially the usual thickness; one of the side members of said davenport being pivotally mounted at its rear edge to swing rearwardly to open the corresponding side of said back; and a folding bed constructed to be folded up within a narrow space to be contained normally in said back and to be drawn out the same for use when said side member is swung into open position.

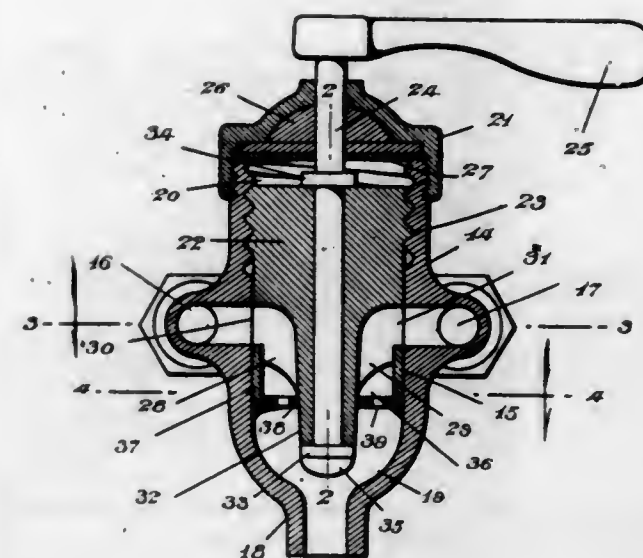
2. In an article of furniture, the combination of: a davenport having a cavity formed in the back thereof; side members forming the arms of said davenport and being pivoted to said davenport on a vertical axis so as to be swingable into a position of lateral extension to provide access to said cavity; and a foldable bed adapted to be contained in said cavity and seat structures adapted to form extensions to the seat of said davenport when said side members are extended.

1,511,080. COMBINATION FAUCET. JACOB T. JOHNSON, Atlanta, Ga. Filed June 15, 1922. Serial No. 568,612. 2 Claims. (Cl. 277—18.)



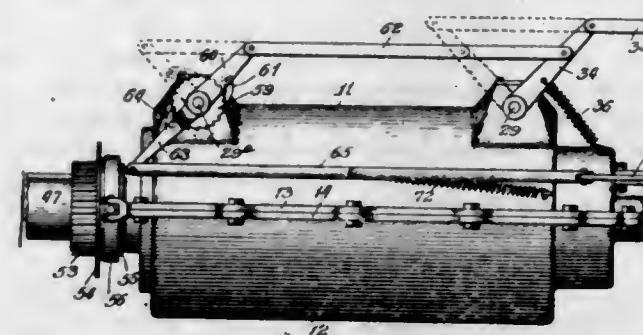
1. A valve comprising a casing having inlets and an outlet, a valve member slidable in the casing and having a conical end with a valve tip at the apex of said end to seat across said outlet, said valve member having separate channels extending to said conical end and adapted to communicate in succession with said inlets, and a stem connected to said valve member for sliding it in the casing.

1,511,081. COMBINATION FAUCET. JACOB T. JOHNSON, Atlanta, Ga. Filed Dec. 20, 1922. Serial No. 608,044. 6 Claims. (Cl. 251—106.)



1. A valve comprising a valve casing having inlets and an outlet, a valve member within the casing having ports to register with said inlets, there being a mixing chamber between the outlet and valve member, the valve member having separate passages leading from said ports and having a recess to which both of said passages extend, and a strainer member disposed between said recess and chamber.

1,511,082. SELF-STARTER. FLOYD JOHNSTON, Lanesboro, Iowa. Filed July 19, 1920. Serial No. 397,485. 47 Claims. (Cl. 185—41.)

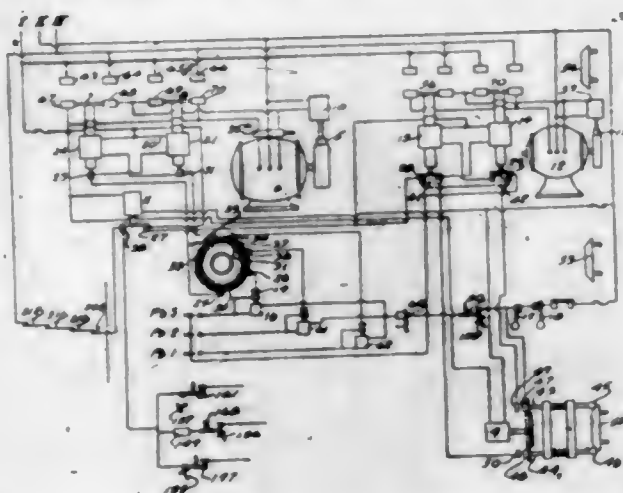


1. In a starter, the combination of a stationary shaft, a drum rotatably mounted thereon, a spring motor for operating the drum, a front head for the drum, positive driving connections driven by and automatically put in operative relation by the rotation of the drum, separate driving connections for rewinding the drum, a front brake for yieldingly holding the latter connections in operative relation, automatically operated means for successively setting and releasing said brake for making and breaking the latter connections, a rear brake for normally holding the drum against rotation to retain the stored up energy and lever operated means for releasing the rear brake, said means on reverse movement being adapted to set both front and rear brakes simultaneously.

1,511,083. MEANS FOR OPERATING ELEVATORS AND GATES. DAVID L. LINDQUIST, Hartsdale, N. Y., CLIFFORD NORTON, Orange, CLARENCE F. ENGLE, Montclair, NEVILLE S. DICKINSON, Glen Ridge, and RUMSEY W. SCOTT, Montclair, N. J., assignors to Elevator Supplies Company, Inc., a Corporation of New Jersey, and Otis Elevator Company, a Corporation of New Jersey. Filed Feb. 18, 1921. Serial No. 446,120. 14 Claims. (Cl. 187—29.)

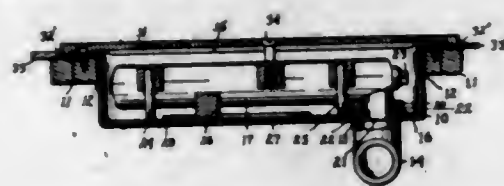
5. In combination, a car, hoisting mechanism for the same, automatic leveling means for the car, gate mecha-

nism, a controller controlling all the foregoing elements, and means constructed and arranged so that the gate



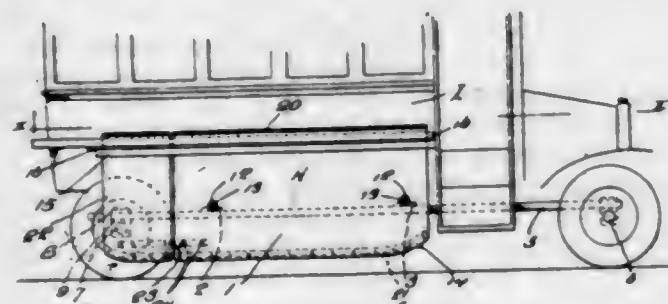
mechanism controls the car but does not control and is not controlled by the levelling mechanism.

1,511,084. MOTOR-EXHAUST HEATER. ASA E. LIN-
ENDOLL, Norwalk, Ohio. Filed June 19, 1922. Serial
No. 569,491. 22 Claims. (Cl. 257-136.)



4. In a motor exhaust heater, a casing having a clean-
ing opening in its bottom, a closure for said opening
seated on top of the bottom of the casing and removable
upwardly therefrom, a heater coil in the casing, a lug
carried by the coil and depending therefrom and en-
gaged with the top of the closure to hold the latter in
seated position on the bottom of the casing, means to
connect the coil to the motor exhaust, and means operable
from the top of the casing to secure the coil in position.

1,511,085. SAFETY GUARD FOR THE REAR WHEELS
OF VEHICLES. ROBERT MCINTYRE, North Bergen,
N. J. Filed June 19, 1924. Serial No. 720,887. 10
Claims. (Cl. 293-57.)

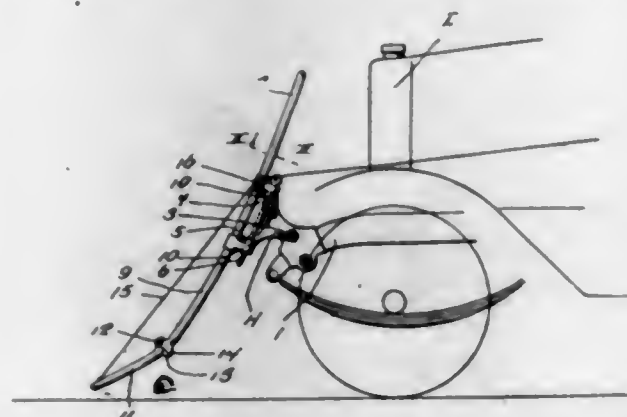


3. A safety guard for vehicles comprising a guard
plate arranged in vertical position at one side of the
vehicle, a resilient support for said plate by which the
plate is capable of vertical movement relative to the
vehicle body, and a guide for said plate carried by the
vehicle body.

1,511,086. SAFETY GUARD FOR THE FRONTS OF
VEHICLES. ROBERT MCINTYRE, North Bergen, N. J.
Filed June 19, 1924. Serial No. 720,888. 3 Claims.
(Cl. 293-39.)

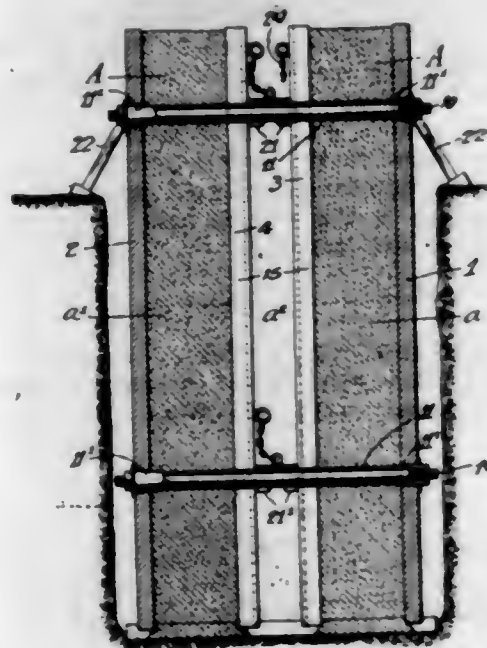
1. A safety guard for the front of vehicles, compris-
ing a guard member in the shape of a rectangular frame

having a resilient buffer thereon, said frame being also
resilient and being adapted to stand in position in front



of the vehicle, and brackets for connecting said frame
with the vehicle said brackets being also resilient, all
for the purposes set forth.

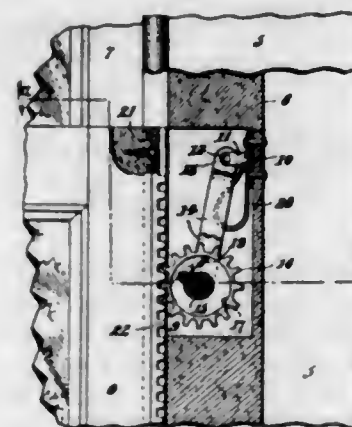
1,511,087. CONCRETE MOLD. JOHN G. McKENNA,
Madison, Wis. Filed Dec. 24, 1920. Serial No. 432,971.
13 Claims. (Cl. 25-31.)



1. In a mold for forming concrete walls comprising
sections separated by air spaces, the combination of
inner, outer and intermediate mold walls each com-
prising a plurality of panels, means for supporting said
mold walls constructed and arranged to permit said
mold walls to be detached and removed from the con-
crete wall when formed, the means for supporting the
inner and outer mold walls comprising members which
define a space between said mold walls corresponding to
a desired over-all thickness of the concrete wall and
will become embedded therein, forming bonding mem-
bers rigidly connecting the sections of the finished con-
crete wall and will also extend across the space between
said sections, the panels forming the intermediate mold
walls being shorter than the distance between adjacent
bonding members which connect the sections of the con-
crete walls, filler plates adapted for closing the spaces
between adjacent panels of said intermediate mold walls,
said filler plates comprising separate sections positioned
at opposite sides of said bonding members and provided
in their adjacent edges with notches adapted to receive
said bonding members, and means applied to said filler
plates and wall panels to support them against the
weight of concrete deposited into the mold, said sup-
porting means being carried on bonding members con-
necting formed sections of the concrete walls.

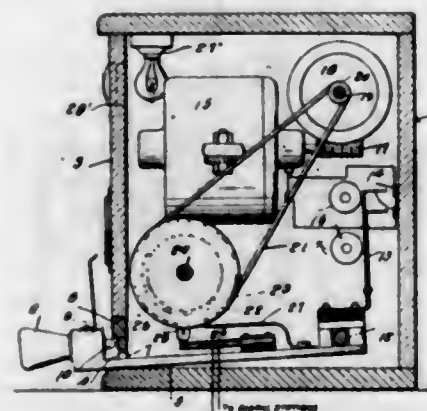
7. In a mold for forming concrete walls comprising
sections separated by air spaces and constructed in
superposed sections, the combination of outer and inner
mold walls, and means for connecting and supporting
said walls to form molds for forming sections of said
concrete walls other than the foundation sections there-
of, said means comprising angle bars secured adjacent
to the tops of the finished portions of said concrete
walls which define channels adapted to receive the lower
edges of said mold walls.

1,511,088. WINDOW-SLIDING DEVICE. JOSEPH B.
MALIMANEK, Troy, S. Dak. Filed Feb. 24, 1923. Se-
rial No. 620,939. 2 Claims. (Cl. 16-201.)



1. The combination with a window sash having a
longitudinal channel formed therein and a rack bar po-
sitioned in said channel, of a window casing having a
recess formed therein, a plate carried by one wall of
said recess, a pair of spaced lugs carried by said plate,
an inverted U-shaped member swingingly carried by said
lugs, a recessed gear rotatably carried by said member,
means associated with said member for retaining said
gear in operative engagement with said rack bar, and
a coiled strap spring within the recess of said gear
and connected to said member and gear for causing
the latter to aid in manually raising said window.

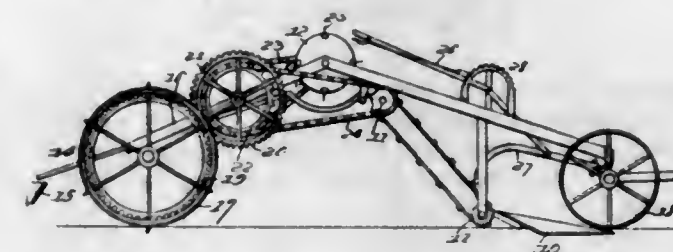
1,511,089. AUTOMATIC CALLING DEVICE. CHARLES
E. MALLORY, Waupun, Wis. Filed Jan. 21, 1921. Se-
rial No. 438,945. 3 Claims. (Cl. 177-380.)



3. In a calling device, a drum having a plurality of
cams on its surface of varying conformation, an electric
motor for driving the drum, contact strips in circuit
with said motor and extending the length of the cam
surface of the drum, a control lever slidably and pivot-
ally mounted in relation to the drum and the contact
strips, a bridging member on said lever cooperating with
said contact strips to close the motor circuit, and a cir-
cuit making and breaking device also mounted on
the lever cooperating with the cams on the drum where-

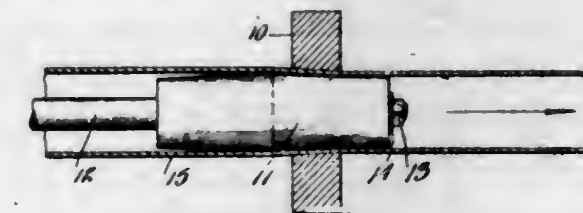
by the lever may be actuated to associate the circuit
closer with a selected cam and also close the motor cir-
cuit for driving the drum.

1,511,090. GRASS SEPARATOR. ALBERT OLMSTED,
Balmoral, Manitoba, Canada. Filed June 23, 1921.
Serial No. 479,818. 1 Claim. (Cl. 97-10.)



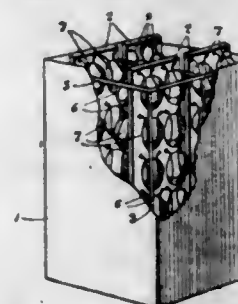
A grass destroyer comprising a frame, a sod cutter
and lifter attached thereto, an elevator arranged to re-
ceive the sod from the cutter and lifter, spaced rods
mounted upon the frame and adapted to receive the sod
from the elevator, said rods being downwardly and
rearwardly inclined and having at their upper portion
concave sections and a cylinder arranged for rotation
over the said concave sections of the rods.

1,511,091. TUBE-DRAWING PLUG. JOHN H.
O'ROURKE, Waterbury, Conn. Filed Mar. 26, 1923. Se-
rial No. 627,897. 2 Claims. (Cl. 78-103.)



1. In a tube drawing machine, a die, a rod arranged
to be positioned co-axially with the die or to be retracted
therefrom and a reversible plug removably mounted on
the rod said plug having oppositely directed frusto-
conical surfaces adapted to be selectively positioned
concentrically with the die, substantially as set forth.

1,511,092. EGG-HOLDING MEANS. EDWARD BERNARD
PETERSEN and JOHN JOSEPH COMMONS, Christchurch,
New Zealand. Filed Aug. 4, 1923. Serial No. 655,755.
3 Claims. (Cl. 217-28.)



1. Egg-holding means comprising the combination with
a container open at its upper end, a frame removably
inserted therein, vertical guide-members upon said frame,
and vertically disposed egg-carrying slides movable ver-
tically in said guide-members.

1,511,093. BOX OR RECEPTACLE. RAYMOND O. PFEF-
FERLE, Madellin, Minn. Filed Sept. 8, 1920. Serial No.
408,933. 2 Claims. (Cl. 40-10.)

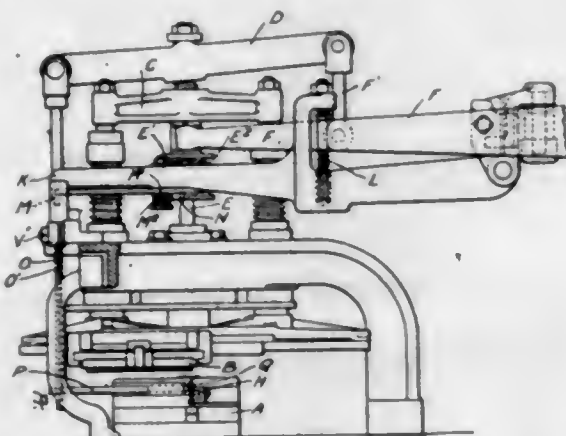
2. In a box, the combination with a body, of a cover
for the body including a main portion and a supplemen-
tal portion, the main portion including a flat top wall

and a depending annular side wall, the supplemental portion including a flat top wall having an enlarged slight opening formed therein and a depending annular side wall, the depending side wall having a continuous



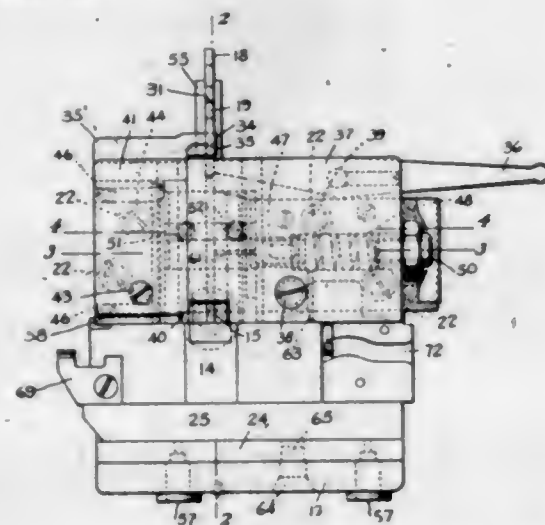
annular recess at its interior, the side wall of the main portion having radially extending spaced apart lugs formed thereon arranged to swing in said annular recess when the supplemental portion is sprung on the main portion.

1,511,094. LOW-QUAD-OPERATING MECHANISM FOR TYPOGRAPHIC MOLDS. FRANK HINMAN PIERPONT, Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Feb. 8, 1922. Serial No. 535,016. 6 Claims. (Cl. 199-85.)



1. The combination with a typographic mold comprising main and cut-off blades, and separate mechanisms for operating these blades, of an equalizing device between the main and cut-off blades whereby the pressure acting on the main blade to dimension the mold is substantially the same when a low quad or space is being cast as when a full height-type body is being cast.

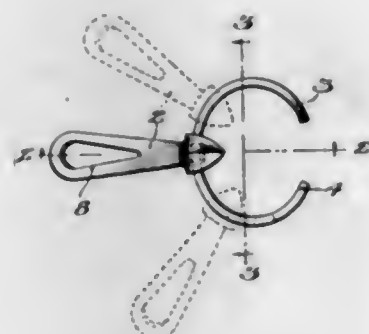
1,511,095. TYPOGRAPHIC MOLD. FRANK HINMAN PIERPONT and JOSEPH EARL TIPTON, Salfords, Horley, England, assignors to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed June 3, 1922. Serial No. 565,534. 10 Claims. (Cl. 199-93.)



1. In a typographic mold provided with type blocks, a sectional mold blade mounted to slide therebetween

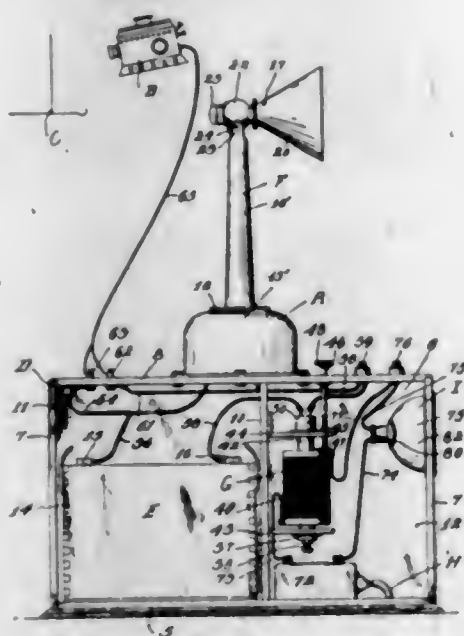
and a supporting block, and in combination therewith separate forward stops for the mold blade sections, a spring pressure device for yieldably holding said type blocks and said blade in contact with said supporting block, point blocks each located in an aperture in the mold blade and means for securing each block in the aperture therefor.

1,511,096. DENTAL CLASP. HUGO ADERER, East Orange, N. J., assignor to J. F. Jelenko & Co., New York, N. Y., a Firm composed of Jesse F. Jelenko and Hugo Aderer. Filed Apr. 24, 1923. Serial No. 634,366. 6 Claims. (Cl. 32-12.)



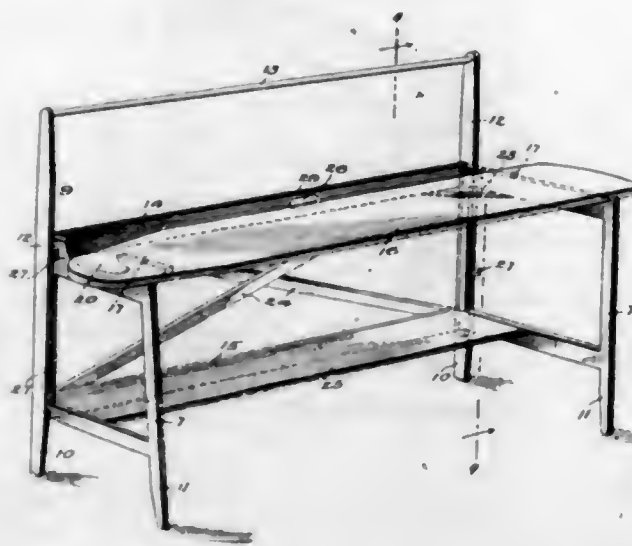
1. A dental clasp comprising a band and a tail-piece, said band and said tail-piece having a sliding connection, said sliding connection extending substantially the entire length of the band and means to set said tail-piece at a point selected on said band.

1,511,097. EMERGENCY LIGHTING SYSTEM. OSCAR W. ALTHOFF and LEONARD S. BALUTA, Berwick, Pa. Filed June 28, 1921. Serial No. 481,080. 5 Claims. (Cl. 240-1.)



1. In an auxiliary lighting system for theatres and the like, the combination with a normally closed main circuit, a normally open auxiliary circuit, an automatic electromagnetic circuit closing device arranged in the normally closed main circuit for closing the auxiliary circuit when the main circuit is opened through any cause, and a picture projecting machine arranged in said auxiliary circuit and functioning when the auxiliary circuit is closed.

1,511,098. IRONING BOARD. HENRY CLAY ARMSTRONG, Ashland, Wis. Filed Sept. 12, 1922. Serial No. 587,771. 3 Claims. (Cl. 68-10.)



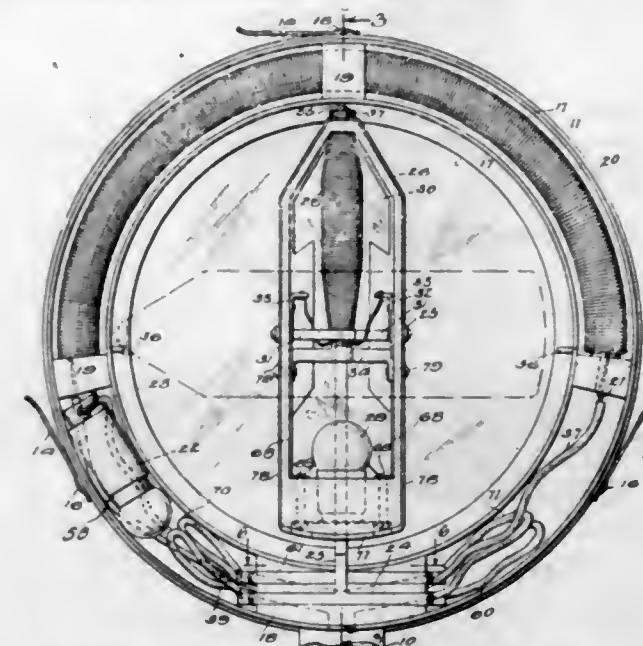
1. An improved ironing board structure including, in combination, a back-frame to rest on the floor, a pair of gates hingedly connected thereto and lying wholly to one side of the back-frame and adapted to be folded back close against the back-frame, said gates having floor contacting foot-ports when swung to extend angularly away from the back-frame and substantially parallel to each other, an ironing board adapted to rest on the tops of the gates when thus extended, and supporting means for the ironing board mounted on the back-frame and adapted to receive the iron board after the gates are folded back against the back-frame, such supporting means being adapted to hold the ironing board parallel with the back-frame and with the folded back gates to retain the latter collapsed against the back-frame; substantially as described.

1,511,099. WIRE-FENCE TIE. PERCY TRIPP BAILEY, Middletown, R. I. Filed May 17, 1922. Serial No. 561,646. 2 Claims. (Cl. 256-57.)



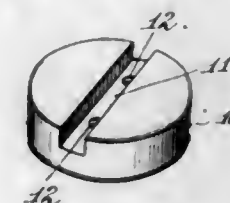
1. In a wire fence, a U-shaped post having notches in the edges of its side members to receive the wires of the fence and provided with spaced vertically aligned perforations in one side member thereof, and a tie for holding a wire in the notches, said tie consisting of a wire staple having an elongated body portion and terminals disposed at right angles to the body portion, said terminals extending through the openings of the side member of the post from inside outwardly and bent upon the outer face of the member, the body portion of the staple bent and extending over and against the wire and lying on the inner face of the said post member to support and retain the wire in one of said notches.

1,511,100. AUTOMOBILE SIGNAL. WALTER LEO BALDWIN, New Bedford, Mass. Filed Aug. 2, 1922. Serial No. 579,239. 6 Claims. (Cl. 177-337.)



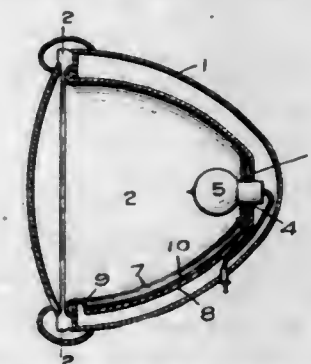
1. A signal of the class described including a fixed electromagnet, a pivoted hollow pointer located adjacent to said fixed electromagnet, an electromagnet secured within said pointer and connected electrically in parallel with the first magnet, and means to optionally reverse the direction of the current flow in one of said magnets.

1,511,101. BUTTON. WILLIAM BELSKY, New York, N. Y., assignor to Paragon Button Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1924. Serial No. 709,019. 1 Claim. (Cl. 24-90.)



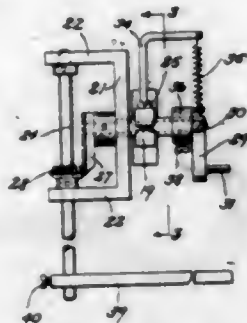
A button having a plurality of thread openings therein and a channel passing across one of the faces of the button and intersecting said thread openings whereby the button is adapted to be retained in position in a button-sewing-machine with its thread openings beneath the needles of the machine by engagement of a part of the machine with said channel.

1,511,102. DIMMING REFLECTOR. WILLIAM JAMES BROWN, Toronto, Ontario, Canada. Filed Sept. 1, 1922. Serial No. 585,782. 1 Claim. (Cl. 240-48.2.)



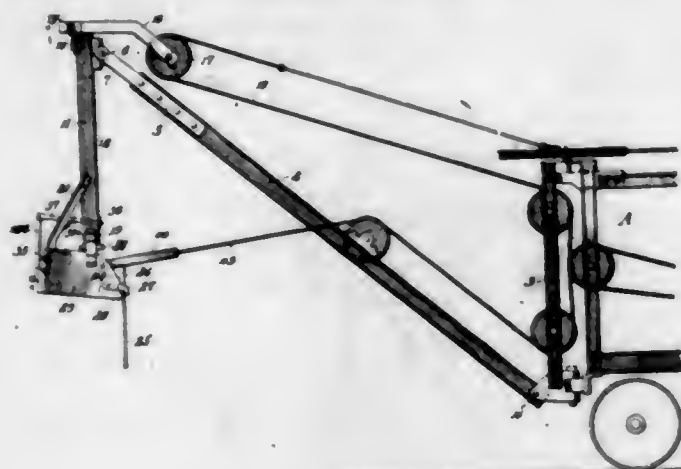
A dimming reflector comprising a reflector body provided with a circular back wall set in a vertical plane, a main wall portion curved forward and outward therefrom and having its interior surface depressed so as to form a tongue receiving recess of less width than the diameter of the circular wall and extending downward from the vertical wall directly beneath the light source to a point in proximity to the outer edge of the reflector, and a sheet of light absorbing material

1,511,113. SAFETY GUARD FOR MACHINE PRESSES. HUGO DOERSAM, New York, N. Y. Filed Aug. 23, 1923. Serial No. 658,883. 7 Claims. (Cl. 74-105.)



4. A device of the class described comprising a bracket adapted to be fixed to a punch press, a sleeve passing thru said bracket and having a U-shaped yoke at one of its ends, a shaft rotatably mounted in said yoke, a sweep blade at the lower end of said shaft, a gear on said shaft, a spindle mounted in said sleeve, a sector gear on one end of said spindle meshing with the aforesaid gear, a bell crank at the opposite end of said spindle, and means for rotating said bell crank to rotate said shaft.

1,511,114. EXCAVATING MACHINE. ROBERT REX DOWNIE, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed June 27, 1921. Serial No. 480,719. 14 Claims. (Cl. 214-138.)

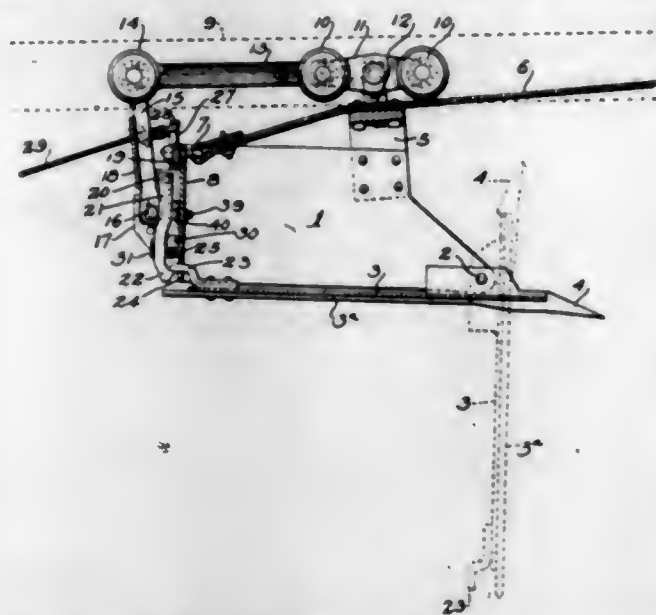


1. In an excavating machine, the combination with a swinging boom mounted for up and down movements, of a ditcher stick pivoted to the outer end of the boom and extended above and below the same, means carrying a sheave and pivotally connected to that portion of said stick above the boom, a scoop fixed rigidly to the lower end of the said stick, a hoisting line passed about the sheave and controlling the boom and stick, and a hauling line connected to the scoop, said means with the sheave at the outer end extending inwardly over the boom and entirely free of the latter, and being of such length that when the direction of pull of the hoisting cable, the length of the boom and the length of the stick are in their most acute angular relationship, the hoisting sheave is then located in rear of the stick pivot so that the hoisting cable will not chafe on the latter.

1,511,115. LATCH MECHANISM FOR DUMPING SCOOPS. ROBERT REX DOWNIE, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Original application filed June 29, 1921, Serial No. 480,717. Divided and this application filed June 21, 1923. Serial No. 646,868. 6 Claims. (Cl. 214-146.)

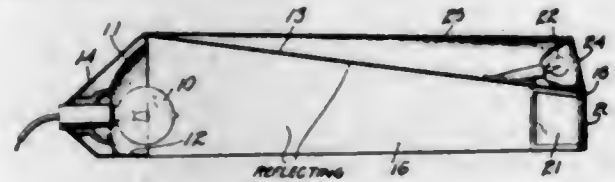
1. In an excavating machine, a scoop, means for moving the scoop in a direction to gather dirt, a dumping

bottom for the scoop, a latch for holding the dumping bottom in closed position, a rockable cam for disengaging



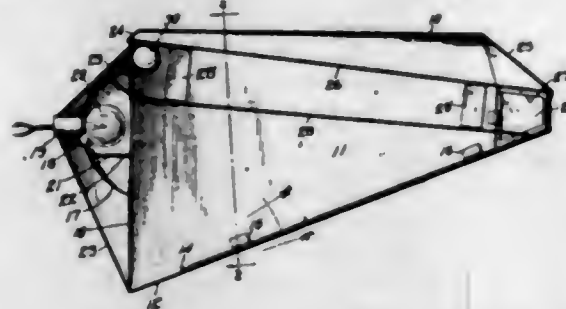
the latch from the bottom of the scoop, and means for rocking the cam to cause the release of the latch.

1,511,116. AUTOMOBILE HEADLIGHT. WINFIELD R. DU BREUIL, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,723. Renewed Aug. 25, 1924. 1 Claim. (Cl. 240-41.)



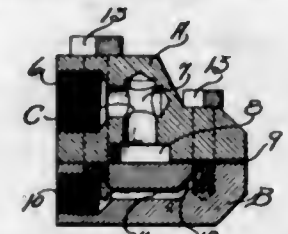
In a headlight for vehicles, a source of illumination, a shell surrounding the same and having a reflecting surface, a shelf extending transversely of the lower portion of the shell, a casing extending over and forwardly of the shell, said casing having outwardly flaring side walls and a downwardly sloping upper wall whereby the light is reflected forwardly and downwardly and is prevented from rising higher than the source of illumination, substantially as set forth.

1,511,117. AUTOMOBILE HEADLIGHT. WINFIELD R. DU BREUIL, Chicago, Ill. Filed Feb. 18, 1922. Serial No. 537,576. 3 Claims. (Cl. 240-41.)



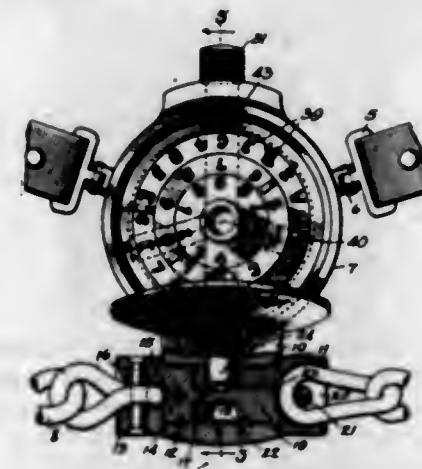
1. In a headlight, a source of illumination, a casing therefor comprising closed sides and top and an open bottom, a rear end having a concave reflecting portion surrounding the source of illumination, and a shelf on said concave portion and concealing the lower part thereof, said shelf being cut away at the front and means in advance of the source of illumination to prevent the rays of light from rising above their source, said means extending downward to the level of said shelf, substantially as set forth.

1,511,118. HYDROCARBON BURNER. JOSEPH FIDUCCIA, Sr., New Orleans, La. Filed May 15, 1923. Serial No. 639,125. 1 Claim. (Cl. 158-75.)



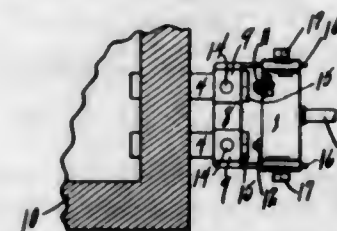
A hydrocarbon burner comprising an upper section and a lower section secured to the upper section, said upper section having its under face provided with a recess forming an expansion chamber and a flaring outlet forming recess extending forwardly therefrom to the forward edge face of the upper section, a steam passage extending upwardly from said expansion chamber and a steam pipe receiving socket extending into the upper section from the rear end thereof and having a steam passage leading forwardly therefrom and intersecting the upwardly extending steam passage; the lower section of said burner having an oil pipe receiving socket and an oil passage leading forwardly therefrom and having its forward end portion directed upwardly through the upper face of the lower section and communicating with the outlet forming recess.

1,511,119. AUTOMOBILE LOCK. JOHN P. GERAUGHTY, Jersey City, N. J. Filed Feb. 7, 1923. Serial No. 617,594. 5 Claims. (Cl. 70-19.)



1. A combination lock of the class described, comprising a casing, a bolt extending through the casing and reciprocating therein, a plurality of pins extending from said bolt for locking the bolt, a plurality of locking rings co-acting with said pins, and a combination ring for each of the locking rings for actuating the locking rings, said combination rings being superimposed on said locking rings and arranged in the same plane so that a substantially flat surface will be presented, each of said combination rings having legends thereon for indicating the position thereof in respect to said pins.

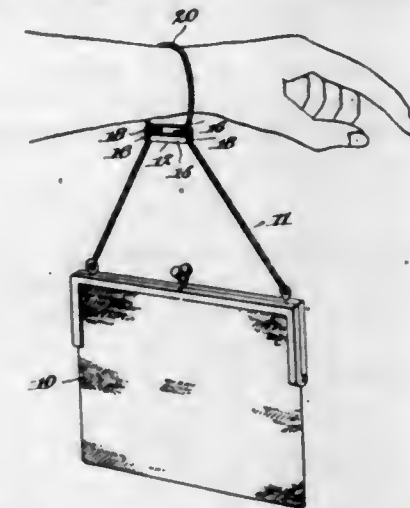
1,511,120. FORGE AND BIT HEATER. ELLIS GREEN, Mineral Wells, Tex., assignor of three-fourths to The Tulsa Tool Company, Tulsa, Okla. Filed June 14, 1923. Serial No. 645,451. 3 Claims. (Cl. 158-11.)



1. In a forge, a burner comprising blow pipes projecting within and without the forge, oil feeding pipes

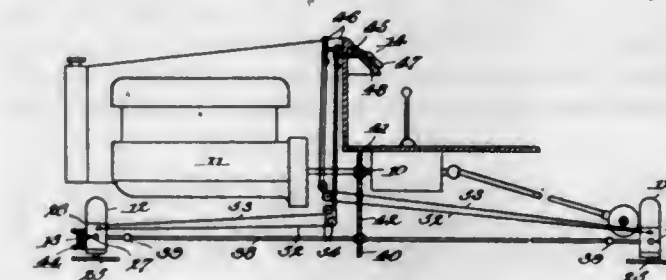
and gas feeding pipes connected to said blow pipes for alternate use, and means for directing a blast of steam into said blow pipes for driving gas or oil through said blow pipes consisting of a control box adjustable relative to said blow pipes and provided with nozzles and steam and gas pipe connections.

1,511,121. WRIST LOCK. AGNES H. GRIFFIN, New York, N. Y. Filed Apr. 2, 1923. Serial No. 629,499. 3 Claims. (Cl. 224-28.)



1. A device of the class described, the combination with the flexible handle of a bag, a wrist lock member, means on said member for detachably connecting the same with the closed portion of the handle whereby said lock member will be caused to automatically ride up the handle for forming an adjustable loop at the top thereof.

1,511,122. JACKING APPARATUS. JOHN GUTMANN, Jr., Ridgewood, N. Y. Filed June 9, 1922. Serial No. 567,127. 1 Claim. (Cl. 254-86.)

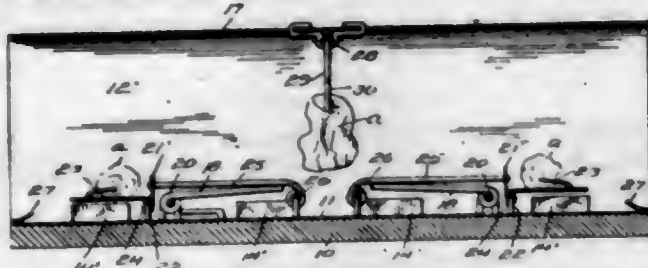


A jacking apparatus of the character described comprising a pair of jacks independently operated and operatively associated with each other, a clutch element associated with these jacks, a shaft longitudinally disposed with regard to the clutch elements and having one end received by the jack for the operation thereof, a rod passing through the clutch elements parallel with the shaft and one end thereof being associated with the adjacent jack, a pair of spaced bevelled gears fixed to the shaft, a toothed member formed on the inner portion of each bevelled gear, spaced toothed elements slidably mounted on the shaft and each adapted to coast with the adjacent toothed member, a yoke depending from the rod and surrounding the shaft for engaging the toothed elements snugly for moving them in co-operative position with the toothed member, an operating handle, and flexible means having the ends thereof secured to the operating handle and the yoke respectively as and for the purpose specified.

1,511,123. WEASEL TRAP. CHARLES F. HART, Bottineau, N. Dak. Filed June 2, 1922. Serial No. 565,290. 2 Claims. (Cl. 43-81.)

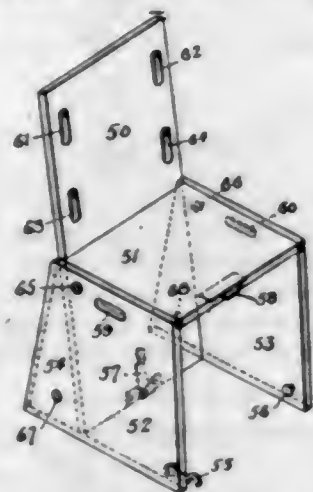
1. A trap comprising a base, a pair of resilient side walls hinged at their lower ends therewith, each of said walls, at its upper end formed with an outwardly extend-

ing right angularly disposed flange, a top having inturned longitudinal marginal portions coacting with said flanges, said portions and flanges detachably connecting



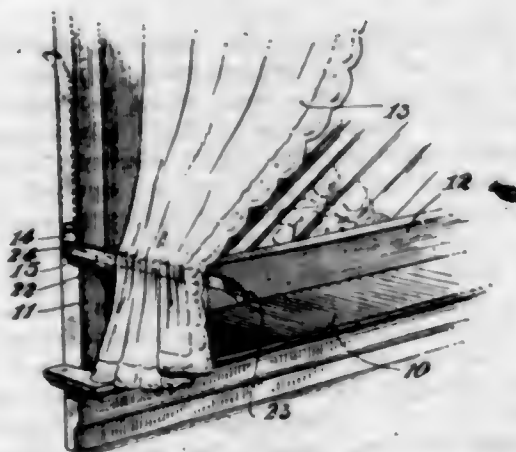
the side walls with said top, said base, side walls and top providing a trapping compartment open at each end, and abutments carried by the base and engaged by the inner sides of said walls.

1,511,124. EDUCATIONAL APPLIANCE. FRANK WILLIAM HART, New York, N. Y. Filed May 13, 1920. Serial No. 380,998. 14 Claims. (Cl. 46—35.)



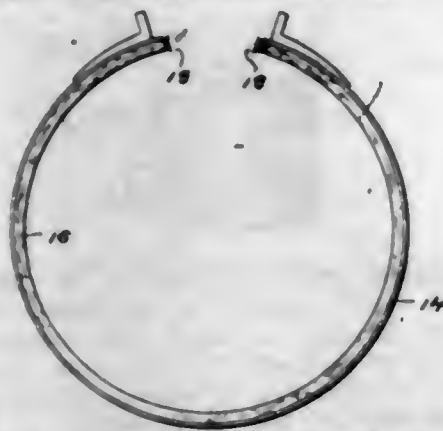
1. As an article of manufacture, a chair having a back, a seat, and side members below the seat, said side members having in register bearings adjacent their lower margins to receive a detachable axle for wheels on which the chair may be supported in upright or inclined position.

1,511,125. CURTAIN RETAINER. FREDERICK C. HAVENS, Niagara Falls, N. Y. Filed Feb. 28, 1923. Serial No. 621,711. 4 Claims. (Cl. 156—33.)



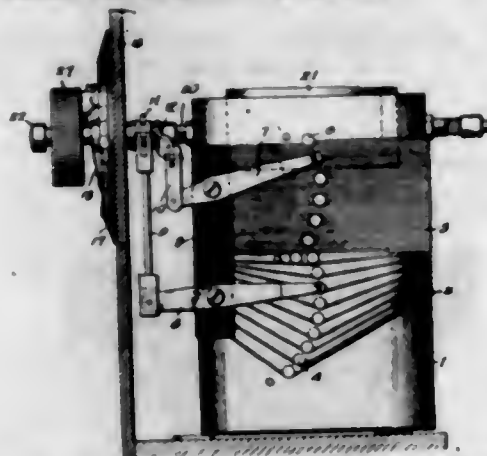
4. A curtain retainer comprising a bracket adapted to be secured to either side of a window frame, an arm having an outwardly curved end, a tubular rivet fixed to extend rigidly outward from said bracket and on which said arm is pivoted, one of the bracket securing means passing through said rivet clear of the arm, a pair of lugs formed integrally at the upper end of said bracket, said lugs being spaced to receive the arm between them, and an outstanding flange formed on the lower end of said bracket adapted to support said arm when turned laterally outward in either direction, said bracket and arm being reversible.

1,511,126. TRANSMISSION-BAND LINING. WILLIAM H. HAIL, Paterson, N. J. Filed Aug. 11, 1923. Serial No. 656,861. 3 Claims. (Cl. 188—259.)



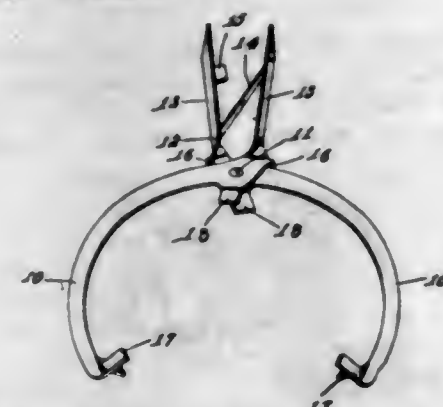
3. A method of making woven lining for bands consisting in forming a strip of woven fabric of a greater thickness than the thickness of the finished lining and containing only the warp and weft yarns and subjecting it to pressure to form a compact strip of the desired thickness and width and ravelling its ends to provide for a ready absorption of lubricant.

1,511,127. RADIO COUPLER CONSTRUCTION. CHARLES HERMANN, Binghamton, N. Y. Filed Sept. 19, 1923. Serial No. 663,608. 4 Claims. (Cl. 171—119.)



1. A radio coupler construction which includes a shell, a coil on said shell, a plurality of contacts on said shell connecting to different windings of said coil, a switch member movable over said contacts, a rotor disposed to be moved relative to said shell, a shaft on which said rotor is mounted, a sleeve embracing said shaft, a linkage connecting the sleeve with the said switch member, a knob mounted on said shaft and slidable therealong, clutch members on said knob, and clutch members on the sleeve and the shaft to be selectively engaged by the knob whereby the rotor and the switch member can be selectively and independently operated by the one knob.

1,511,128. PAN LIFTER. ROBERT HOSKING, Jr., Berkeley, Va. Filed May 11, 1923. Serial No. 638,327. 6 Claims. (Cl. 294—31.)



1. A lifter of the character described comprising a pair of curved jaw members pivoted in crossed relation

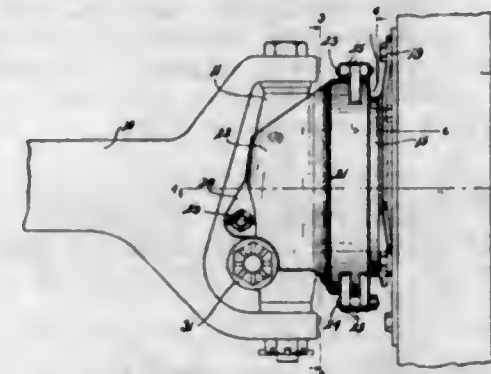
and terminating at one end in handles, and pairs of lugs on the inner edges of said jaw members arranged in oppositely inclined positions whereby to be engageable upon the flange of a baking pan.

1,511,129. ADJUSTABLE BANDEAU. JANIE A. MC-KNIGHT, Lincolnton, N. C. Filed Apr. 11, 1922. Serial No. 551,498. 1 Claim. (Cl. 2—185.)



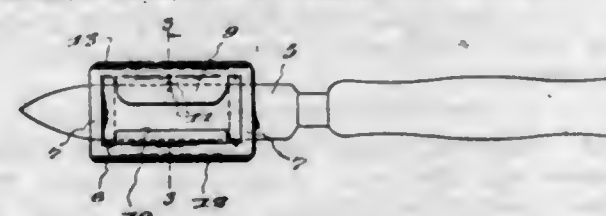
An adjustable bandeau for hats, comprising a band of suitable material having its edges turned back upon itself to provide upper and lower hems, a wire enclosed in the lower of said hems and surrounding said band, an elastic band enclosed in the upper of said hems and having its ends passed through and tied upon the outside of the hem, and staples passed through the body of the band above said wire and adapted to be passed through the body of the hat for securing the bandeau in position, said staples having their heads bent over to one side so that they partially surround the wire and draw the same closely against the body of the hat in which placed.

1,511,130. WHEEL RETAINER. WILLIAM KOY MC-NEILL, Hamlet, N. C. Filed Aug. 11, 1923. Serial No. 656,970. 2 Claims. (Cl. 301—122.)



2. A wheel retainer comprising a member to be secured to the wheel hub of the automobile and provided with an annular channel, a sectional casing, means for securing the sections together within the channel and means for securing said sections together around the steering knuckle post.

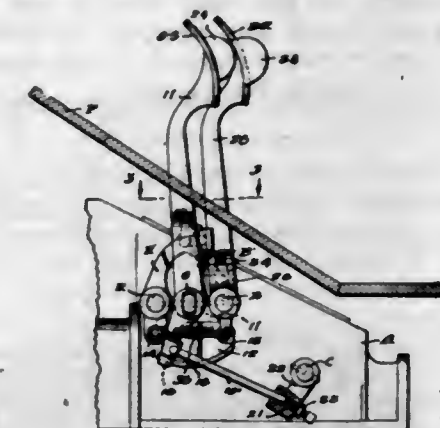
1,511,131. PARING ATTACHMENT FOR KNIVES. ERWIN H. MANDLER, Chicago, Ill. Filed Feb. 23, 1923. Serial No. 620,806. 2 Claims. (Cl. 30—20.)



1. A paring attachment for knives comprising a metal body having a longitudinal opening intermediate its ends one longitudinal wall of said opening being offset from the plane of the other, integral keeper straps formed in said body portion and beneath which a knife blade is

insertible, the cutting edge of said blade being adjacent said offset wall and spaced therefrom, the longitudinal edge of said attachment adjacent said cutting edge of said knife blade being formed with an out-turned guide lip, an integral flap extending into said opening from one longitudinal edge thereof, and said flap having a series of protuberances upon one face thereof selectively engageable with the lock edge of a knife blade for limiting movement thereof transversely of said opening.

1,511,132. SELECTIVE CONTROLLING MECHANISM. CHARLES F. MARSTON, Brooklyn, N. Y. Filed June 7, 1923. Serial No. 643,969. 1 Claim. (Cl. 74—39.)



In a selective controlling mechanism for a variable speed gearset, the combination with means operable at will for readjusting the set from high to low and vice versa, of means automatically operable to catch and hold said speed-shaft at neutral upon an operation of the means first-mentioned to readjust the set from low to high, the second-mentioned means including a detent device for the first-mentioned means, said first-mentioned means including a lever fulcrumed on a horizontal axis and having an arm below such axis, such arm having a structure predeterminedly automatically coacting with said detent device.

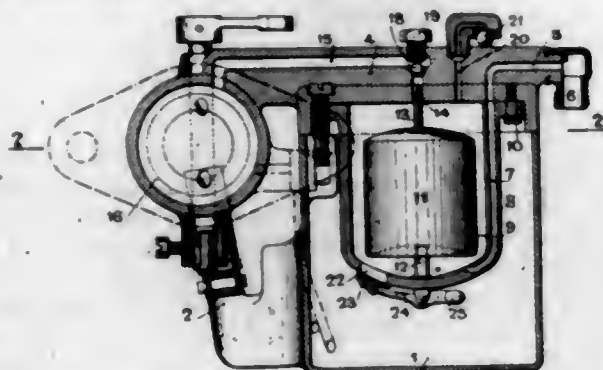
1,511,133. SPRING WHEEL. THORVALD H. MATHE-SON, Casper, Wyo. Filed Jan. 8, 1923. Serial No. 611,361. 1 Claim. (Cl. 152—47.)



A vehicle wheel including a hub, a tire carrying rim and spokes pivoted to the hub and to the rim, each of said spokes comprising an inner solid section having its outer end portions reduced to provide a shoulder inwardly of the middle of said section, said solid sections having their outer ends screw threaded, a collar threaded onto the outer end of each of the solid sections and extending inwardly thereof, each of said spokes including a hollow outer section and having its inner end opened to receive the inner solid section, a

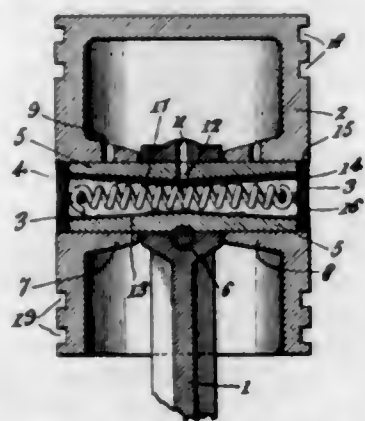
cap closing the inner end of the outer section and having an opening therethrough to accommodate the solid inner section, the outer end of said outer section being reduced to provide an internal shoulder and a neck portion, hollow member having inwardly directed flanges slidable on the inner solid spoke section between the shoulder thereof and the adjustable collar, each of said hollow members having an outwardly directed flange, a helical spring within said outer hollow section and surrounding the inner spoke section and the hollow members and contacting with the outer flanges thereof to normally force the inner flanges into contact respectively with said collar and the shoulder of the solid section and to force the outer flanges into contact with the inner shoulder of the outer section and with the closure cap thereof, and said neck of the outer section receiving said collar and outer end of the inner section when said coil spring is compressed.

1,511,134. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. PIERRE MORELLINI, VICTOR DUFRAT, and HENRI EISENSCHMIDT, Levallois-Perret, France. Filed Nov. 2, 1921. Serial No. 512,311. 2 Claims. (Cl. 158-36.)



1. A carburetor of the character described, comprising a main fuel chamber having spraying devices, a relatively small fuel chamber suspended in the main chamber and having an opening in its bottom and a passage in its wall opening into the bottom thereof and connected with the fuel supply, a connection between the small chamber and the suction pipe of the motor, a self-closing valve in said connection, a float having guided movement in the small chamber and provided with a needle valve controlling the said connection, an air inlet opening into the small chamber and provided with a self-closing valve held to its seat by the suction and a counterweighted valve mounted on the outer side of the bottom of said small chamber and opening when air is admitted to the said chamber to allow all the fuel drawn into the said chamber to be discharged into the main chamber.

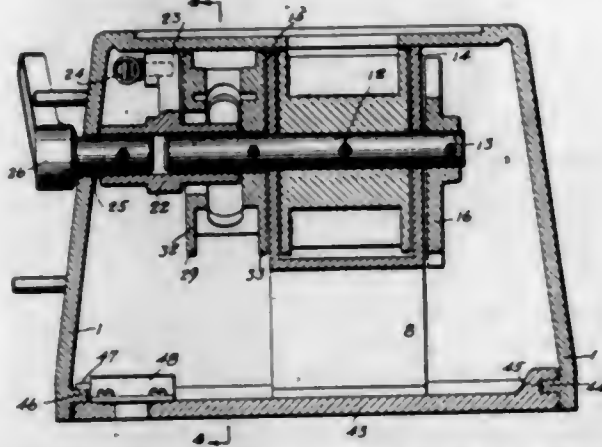
1,511,135. GAS-ENGINE PISTON. GEORGE W. MOSE, Perrysburg, Ohio. Filed Mar. 26, 1924. Serial No. 702,088. 3 Claims. (Cl. 74-108.)



1. A piston having a transverse opening with bevelled end walls and ported bearings inwardly of the bevelled end walls, a hollow wrist pin fitted to oscillate in said

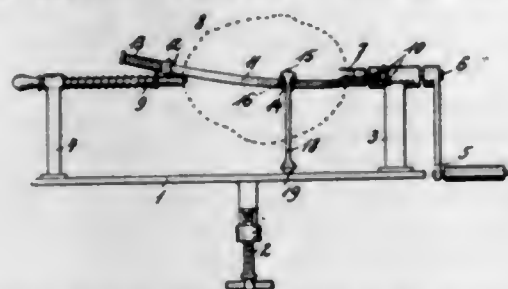
bearings and having its ends lying inwardly of said bevelled end walls, closure discs having bevelled edges fitted within said bevelled end walls without coming in contact with the ends of the hollow wrist pin, and a coil spring coupling said discs and passing through the hollow piston whereby to draw the two discs together.

1,511,136. VENDING MACHINE. JACOB NEMO, New York, N. Y., assignor to Andrew Nemo, Brooklyn, N. Y. Filed Apr. 8, 1921. Serial No. 459,519. 1 Claim. (Cl. 194-85.)



A vending machine of the class described, comprising an outer casing presenting a coin slot and a discharge slot, a shaft comprising two sections operatively mounted within said casing, a sleeve rigid with one of said sections overlapping a portion of the other section, a wheel having a plurality of slotted and tangentially extending vanes adapted to successively receive a coin rigidly mounted on said overlapped section, an arm secured to said sleeve and operating within said wheel and through said slots, said arm turning said wheel when a coin obstructs its free passage through any one of said slots, a vending drum rigid with said overlapped section adapted to be turned when said arm turns said wheel, a brake wheel having a plurality of teeth mounted on said shaft and a brake adapted to normally engage a pair of said teeth to allow said drum to turn only a fraction of a revolution at a time.

1,511,137. FRUIT-PEELING MACHINE. JOSEF PICHLER, Millstatt, Austria. Filed Feb. 13, 1924. Serial No. 692,530. 4 Claims. (Cl. 146-43.)

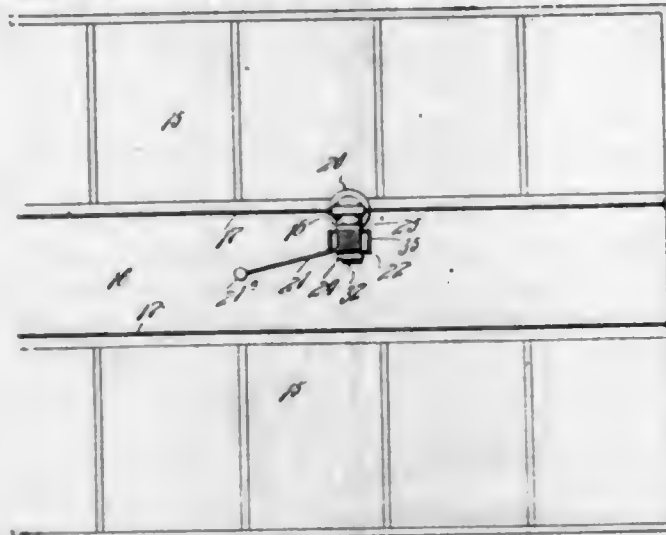


1. A fruit peeling machine comprising means for supporting one end of the fruit, means for supporting the other end of the fruit, means for rotating the fruit, a flexible support extending between said fruit supporting means, means for urging said flexible support towards the fruit and a hand guided cutter movable along said flexible support.

1,511,138. ELECTRICALLY-DRIVEN DEVICE. JACOB J. RIEDER and HENRY G. HOESLY, New Glarus, Wis. Original application filed Aug. 24, 1923, Serial No. 659,240. Divided and this application filed Jan. 19, 1924. Serial No. 687,307. 2 Claims. (Cl. 191-12.)

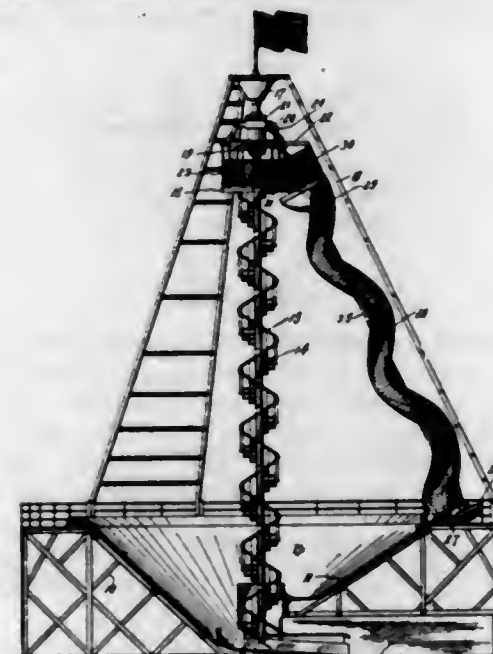
1. In combination with an electrically operated device, a motor, a track, means connecting the motor and track whereby the former may be moved over the track, means operatively connecting the device and motor, an

electric conductor cable for the motor, a spring actuated spool carried by the motor for receiving the cable, a toothed wheel rotatably mounted with the spool and a



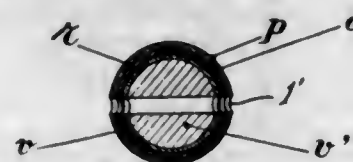
dog associated with the toothed wheel to hold said spool against rotation by the spring and means whereby the spool may be released from the holding means.

1,511,139. AMUSEMENT DEVICE. LEO ROZIGER, New York, N. Y. Filed Dec. 17, 1921. Serial No. 523,094. 2 Claims. (Cl. 46-71.)



1. An amusement device comprising a support, a body rotatably mounted upon said support adjacent its upper end, a circular track surrounding said support adjacent its lower end, bearings carried by said rotatable body, an inclined shaft rotatably mounted in said bearings carrying upon its lower end a roller running on said track, the upper end of said shaft being nearer to the axis of rotation of said body than said roller, and a helical chute fixed to said shaft having an inlet adjacent said rotatable body and an outlet in proximity of said roller.

1,511,140. TREATMENT OF ARTIFICIAL GEMS. FERNAND SAUVAGE, Paris, France. Filed Dec. 31, 1920. Serial No. 434,401. 2 Claims. (Cl. 53-32.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. An artificial pearl, comprising, an outer shell, in combination with successive interior layers of, a lustrous

producing material, a transparent varnish, a luminous material, and a transparent varnish, said layers completely covering the inside of the shell.

1,511,141. EXTENSION TABLE FOR MACHINE TOOLS. EDWARD S. SCOTT, Camden, N. J., and ROBERT A. MILLAR and WALTER C. FELLOWS, Philadelphia, Pa., assignors to Matilda J. Dill, Philadelphia, Pa. Filed May 27, 1922. Serial No. 564,119. 17 Claims. (Cl. 90-58.)

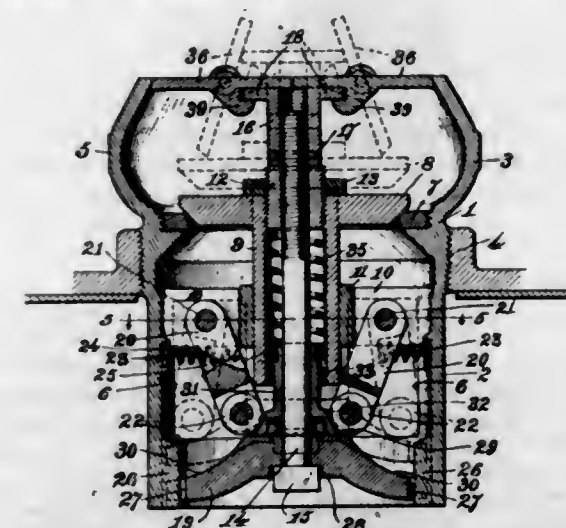


1. The combination of a machine tool having a rotary work table; an extension table arranged to be secured to the rotary work table of the machine tool; and means for supporting the free end of the extension table so that it can be turned with the rotary work table of the machine.

1,511,142. CAST-IRON ALLOY. HIROSHI SHIOKAWA, Kobe, Japan. Filed Apr. 5, 1923. Serial No. 630,156. 1 Claim. (Cl. 75-1.)

A cast iron alloy consisting of carbon to the extent of from 2.00 to 4.50 per cent, manganese from 0.30 to 1.50 per cent, silicon from 0.30 to 4.00 per cent, chromium from 0.05 to 0.50 per cent, titanium from 0.05 to 0.80 per cent, and iron from 97.30 to 88.70%.

1,511,143. SAFETY VALVE. JULIUS C. SULLIVAN, Warren, Pa. Filed Apr. 11, 1921. Serial No. 460,222. 8 Claims. (Cl. 137-53.)

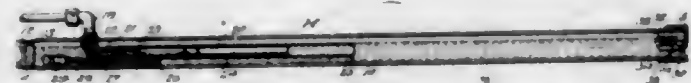


1. A device of the class described, comprising a housing, a valve therein, a cam surface and shoulder carried by said valve, a pivoted arm on said housing, a roller on said arm normally engaging said shoulder to lock the valve in closed position, and pressure actuated means adapted to move said roller from said shoulder to said cam surface to unlock the valve, substantially as described.

1,511,144. OILING DEVICE FOR THREADING MACHINES. ALFRED F. THORSTEN, Brooklyn, N. Y. Filed May 17, 1922. Serial No. 561,075. 4 Claims. (Cl. 10-126.)

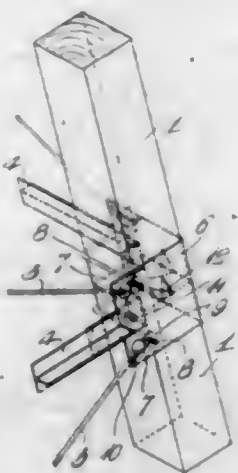
1. The combination with a rotary thread cutting machine, of a self-feeding liquid lubricating means compris-

ing a lubricant reservoir carried by the machine, and means arranged within the reservoir and disposed radially with respect to the center of rotation of the machine for drawing a predetermined quantity of the lubricant from the reservoir and for discharging a similar quantity at the point of contact of the dies with the work upon each revolution of the machine during the thread cutting operation, the said means consisting of a pump barrel in the reservoir, a discharge conduit leading from said pump barrel through the reservoir with its discharge end located at the point of contact of the dies with the work, an intake conduit in the pump barrel spaced radially



outward from the point of communication of the discharge conduit, a gravity plunger axially movable in the pump barrel, a check valve in the discharge conduit operable to close upon outward movement of the plunger and operable to open upon inward movement of the plunger, a check valve in the intake conduit operable to open upon outward movement of the plunger and operable to close upon inward movement of the plunger, the said intake conduit having a cup-shaped scooping member at its entrance terminal with the open end disposed radially inward with respect to the center of rotation of the machine.

1,511,145. TOWER CORNER CONSTRUCTION. ROBERT FRANKLIN TISON, Tulsa, Okla. Filed May 28, 1923. Serial No. 642,009. 3 Claims. (Cl. 20—0.5.)

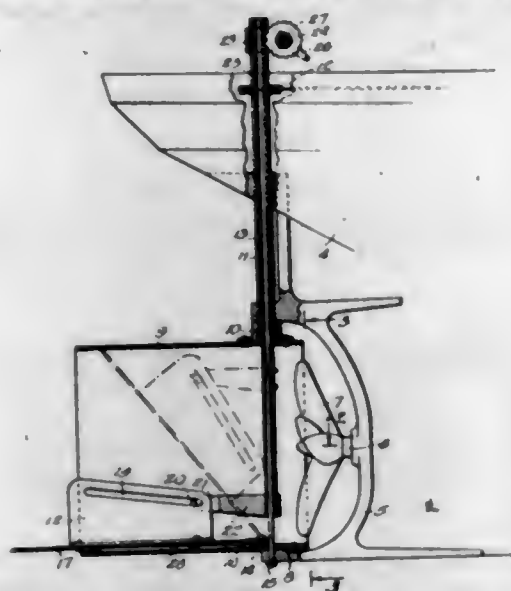


1. A post coupling and brace anchor for towers, comprising an angular plate for application to the outer sides of two abutting posts, the two halves of said plate being of a width to extend beyond the posts and having key hole slots in their corners whose enlarged ends are disposed outwardly, and angular post clamping bolts having nuts insertible through said enlarged slot ends, said bolts when tightened occupying the smaller ends of the slots, leaving said enlarged ends open for hooking braces to the plates.

1,511,146. RUDDER. JOHN J. TONER, New York, N. Y. Filed Dec. 11, 1923. Serial No. 679,979. 5 Claims. (Cl. 114—45.)

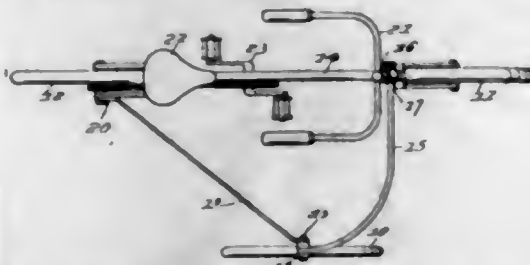
1. In a rudder for vessels, a base having an opening therein an open ended body, mounted on said base a steering post connected to said body, a sleeve movable longitudinally of said steering post and extending into said body, a guide rod carried by the vessel and projecting into said sleeve, and a wake resisting member in said body controlled by the movement of said sleeve to regulate the size of the passage through said body and

to entirely close said passage, said member, when moved to the last-named position, being capable of causing a re-



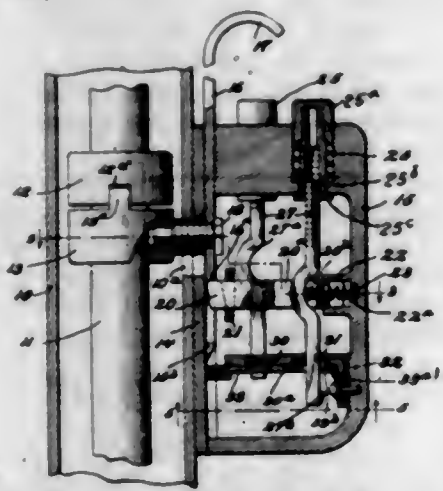
versal of the movement of the vessel, and the opening in said base permitting water to flow therethrough when said vessel is being reversed.

1,511,147. SIDE-WHEEL ATTACHMENT FOR CYCLES. JOHN S. TOWERS, Rapid City, Mich. Filed July 21, 1922. Serial No. 576,422. 1 Claim. (Cl. 208—112.)



A side wheel attachment for vehicles of the two-wheeled type having a side arm extending laterally from the frame of the vehicle and provided with a terminal fork for supporting the spindle of the side wheel, and a rearwardly directed diagonal brace between the outer end of said arm and the rear portion of the vehicle frame, said brace being disposed substantially in the plane of the axis of said side and vehicle wheels, and being terminally attached respectively to the spindles thereof.

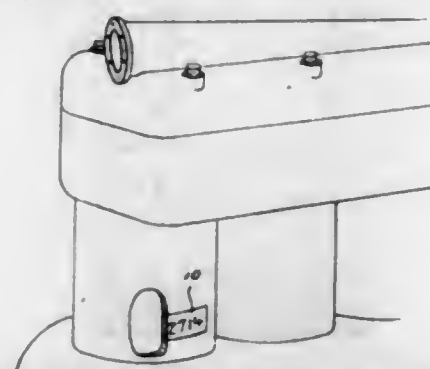
1,511,148. AUTOMOBILE LOCK. WILLIAM R. TOWNLEY, Elmira, N. Y., assignor, by mesne assignments, to Rochester Lock Corporation, Rochester, N. Y., a Corporation of New York. Filed Mar. 20, 1920, Serial No. 367,387. Renewed Aug. 16, 1924. 28 Claims. (Cl. 70—54.)



1. A mechanism of the kind described comprising a casing, a plurality of bolts movably mounted therein, a plurality of buttons depressibly mounted in the casing,

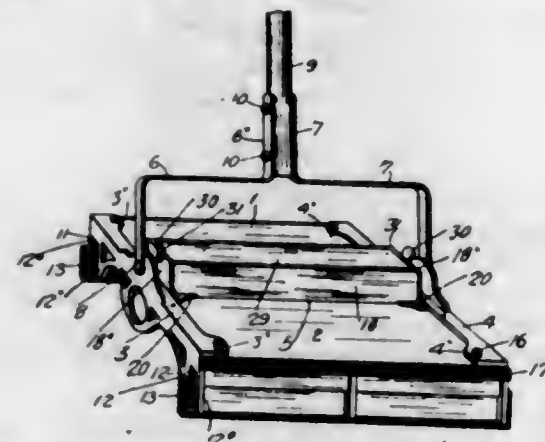
one for each bolt, a plurality of push rods adjustably connected to said buttons, means for maintaining selected ones of said bolts normally in locking position and means on said push rods for moving such last-named bolts out of locking position when the buttons corresponding thereto are depressed, and locking means including a latch plate mounted to move in a plane parallel to the movement of said buttons, said plate being locked or released by the movement of said bolts by said buttons.

1,511,149. METHOD OF NUMBERING AUTOMOBILES. SAMUEL LEONARD TRUEBLOOD, Baton Rouge, La. Filed Sept. 14, 1923. Serial No. 602,724. 4 Claims. (Cl. 40—2.2.)



1. A new and improved method of numbering motor blocks, consisting in embedding the number in the block when the latter is cast, with the numerals of said number arranged to be viewed exteriorly of the block and interiorly of one of the cylinders thereof.

1,511,150. FLOOR WAXER AND POLISHER. JAMES WILLIAM WILLIS, Toronto, Ontario, Canada. Filed Nov. 21, 1923. Serial No. 676,077. 7 Claims. (Cl. 91—37.)

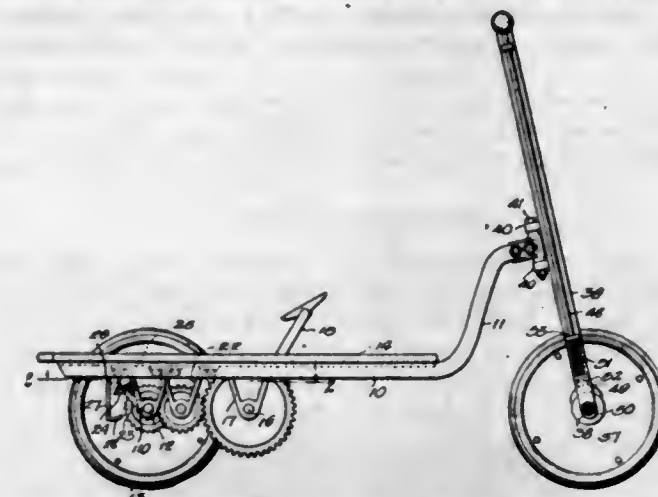


1. A floor waxer and polisher comprising a body having a central crosswise opening, a wax container supported in the opening so as to depend therethrough, means for feeding the wax from the container on to the floor, depending portions extending crosswise from the front and rear edge of the body and grooved longitudinally, and felt strips, one longitudinal edge of which extends into the groove and the other longitudinal edge bears upon the floor surface holding the wax container clear of the floor.

1,511,151. SCOOTER. HARVEY O. WILSON, Wilmington, Del. Filed Oct. 5, 1923. Serial No. 666,776. 4 Claims. (Cl. 208—36.)

1. A scooter having a rear wheel and an axle therefor, a shaft, a pedal thereon, a drive element on said pedal shaft adapted to oscillate with the depression and rising of the pedal, a driven element on said axle adapted to be turned back and forth by said drive element with the oscillation of the pedal shaft, an oscillating pawl constrained to move with the back and forth movement of the said driven element, and a ratchet wheel connected to said wheel to turn the latter, said ratchet wheel

adapted to be engaged by said pawl; together with means to trip said pawl to disengage it from the ratchet wheel after an impulse imparted to the ratchet wheel whereby

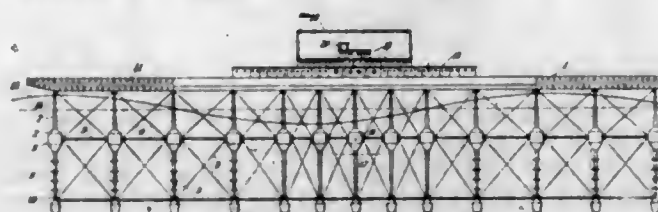


to disengage the pawl from the ratchet wheel and permit use of the scooter in coasting, and means to cause engagement of the pawl with the ratchet wheel in the forward movement of the pawl.

1,511,152. DECARBONIZING COMPOUND. GERALD P. YOUNG, Dayton, Ohio. Filed Mar. 29, 1923. Serial No. 628,626. 1 Claim. (Cl. 87—5.)

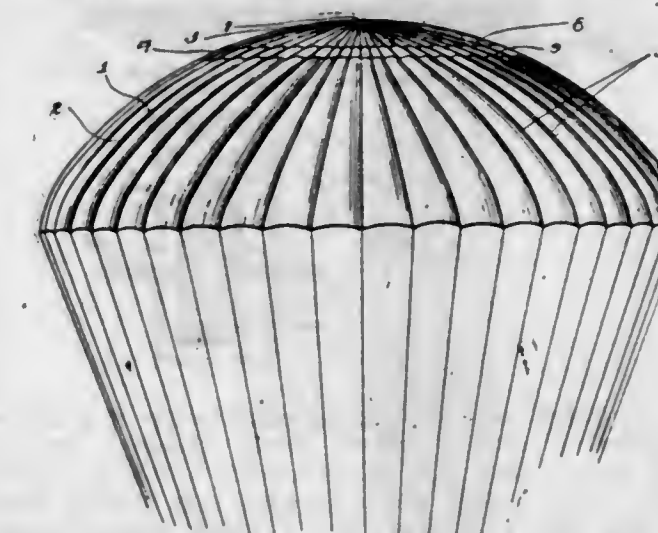
A decarbonizing compound consisting of carbon disulfide, about 45%; ethyl alcohol, about 17.5%; benzol, about 32.5%; and gasoline, about 5%.

1,511,153. SEA STATION. EDWARD R. ARMSTRONG, Philadelphia, Pa. Filed Nov. 7, 1922. Serial No. 599,544. 5 Claims. (Cl. 114—0.5.)



1. In a floating dock, a float, a platform carried by the float above the same, means for connecting the float and platform, a weighty means below the float, means for connecting the weighty means and float, said elements being so related as to weight and proportions as to place said float below the disturbance line of the maximum wave and the centre of gravity of the floating dock below the centre of buoyancy of same.

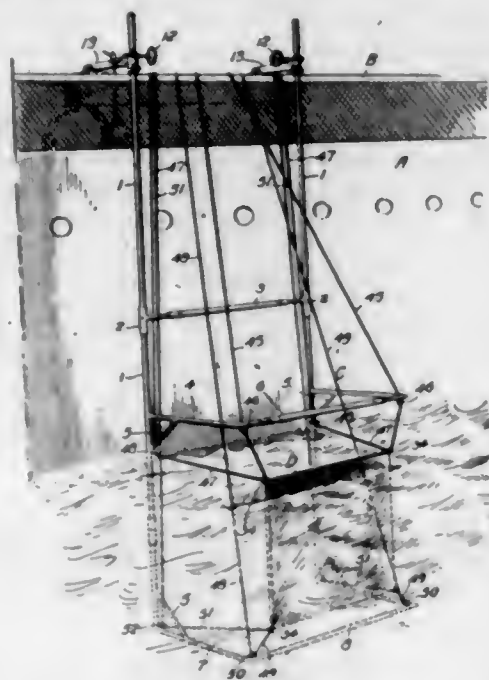
1,511,154. PARACHUTE. GUY M. BALL, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,054. 3 Claims. (Cl. 244—21.)



1. A parachute provided with a ring vent concentrically arranged around the center peak of the same,

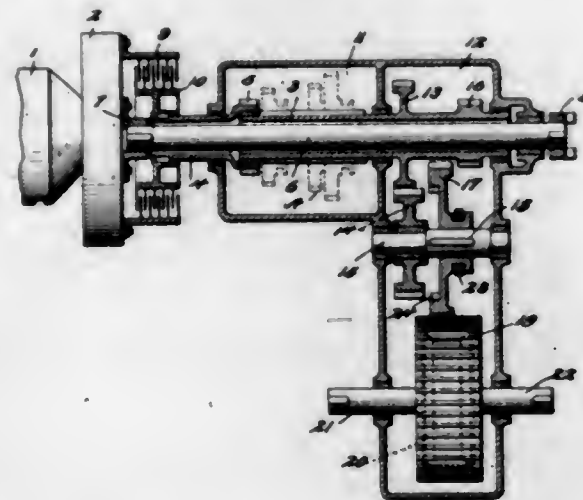
said vent dividing the parachute into outer and inner portions, reinforcing cords for said parachute connecting said outer and inner portions together, the diameter of the inner parachute portion at the vent being substantially smaller than the diameter of the outer portion at the vent, the lengths of the reinforcing cord extending across the vent being such that the outer and inner portions of the parachute at the vent define a line radially devoid of any very abrupt change in direction.

1,511,155. EMERGENCY APPARATUS FOR DAMAGED SHIPS. RALPH BLUMBERG, Baltimore, Md. Filed Mar. 26, 1918. Serial No. 224,827. 14 Claims. (Cl. 114-229.)



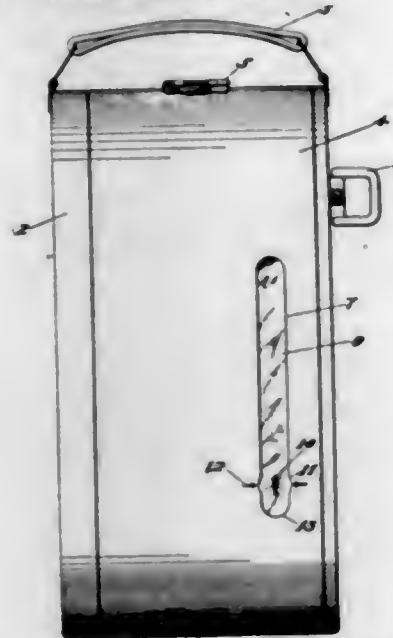
1. In apparatus of the character described, the combination with a ship, of supporting means movable longitudinally thereof, a rigid rectangular frame carried by said supporting means, means for raising and lowering said frame relative to said supporting means, and a mattress carried by and within said frame.

1,511,156. TRANSMISSION MECHANISM. JOHN F. BOLGIANO, Dayton, Ohio. Filed Mar. 21, 1923. Serial No. 626,541. 7 Claims. (Cl. 74-58.)



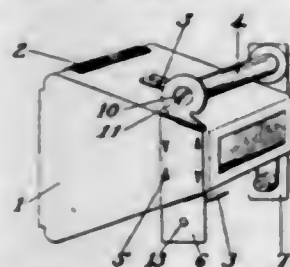
1. In power transmission, the combination of a source of power, a rotary element driven thereby, variable speed transmission gearing embodying a tubular transmission shaft, clutch means between said tubular shaft and said rotary element, and a power delivery shaft driven by said rotary element and passing axially through said tubular shaft, both power shafts being adapted to deliver power simultaneously.

1,511,157. CAMERA BACK. CARL BORNHANN, Jr., Binghamton, N. Y., assignor, by mesne assignments, to Ansco Photoproducts, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 30, 1923. Serial No. 615,972. 3 Claims. (Cl. 95-31.)



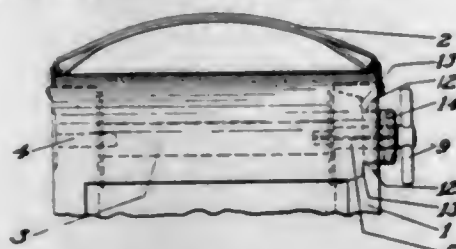
1. In combination with a camera, a back therefor, said back being provided with an elongated window, said window having an enlarged circular cut-out portion intermediate the ends thereof.

1,511,158. FILM-SPOOL HOLDER. CARL BORNHANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Incorporated, Binghamton, N. Y. Filed Mar. 24, 1924. Serial No. 701,444. 5 Claims. (Cl. 242-71.)



1. A film spool mount for cameras comprising a support, a holder fastened to one side of said support and having a cup shaped bearing at one end thereof and a pin journal at its opposite end, and resilient pin journals mounted upon the opposite side of said support.

1,511,159. WINDING KEY FOR CAMERAS. CARL A. BORNHANN, Jr., Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Apr. 5, 1924. Serial No. 704,521. 4 Claims. (Cl. 242-71.)



1. A winding key for cameras comprising a housing, a stem passing thru said housing and provided with integral and oppositely directed shoulders, and a two piece washer within said housing completely encircling and cooperating with said stem.

1,511,160. WINDING KEY FOR CAMERAS. CARL A. BORNHANN, Jr., Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Apr. 5, 1924. Serial No. 704,522. 1 Claim. (Cl. 242-71.)
A winding key for cameras comprising a housing, securing prongs integral therewith, a slotted stem ex-

tending thru said housing, a coil spring therein the inner end of which engages within said slot, and a cover

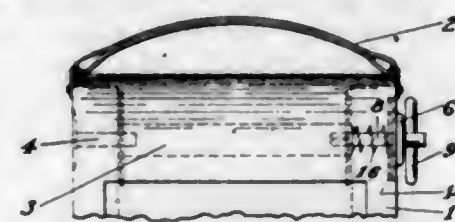
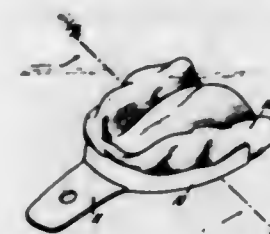


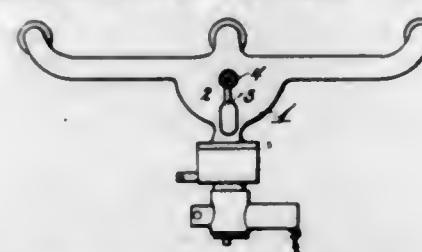
plate apertured to accommodate the securing prongs and the stem.

1,511,161. METHOD OF MAKING SETS OF ARTIFICIAL TEETH. JOSEPH M. BUCHANAN, Freeport, N. Y. Filed Mar. 4, 1924. Serial No. 690,859. 1 Claim. (Cl. 32-4.)



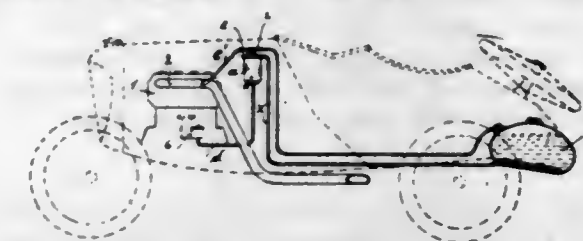
The herein described method of making artificial teeth which comprises the following steps: (1) the making of a negative cast bearing an exact impression of the mouth cavity; (2) the coating of the active surface of said negative cast with a thin filler of temporary plastic material of uniform thickness producing thereby a filled negative cast; (3) forming a positive cast or model in said filled negative cast; (4) forming upon said positive cast a layer of refractory metal of substantially the thickness of the filler applied to the negative cast, thereby producing a surface the exact counterpart of the mouth cavity; (5) then moulding upon said metal surface a set of teeth and attached plate; (6) baking said teeth and plate while supported upon said metal surface, and finally removing the metal from the baked teeth and plate.

1,511,162. AUTOMATIC CONTROL FOR INTAKE PASSES. THOMAS GANDERTON, Beaver, Pa., assignor to Martin Hussey, Cleveland, Ohio. Filed Oct. 10, 1921. Serial No. 506,850. 1 Claim. (Cl. 251-149.)



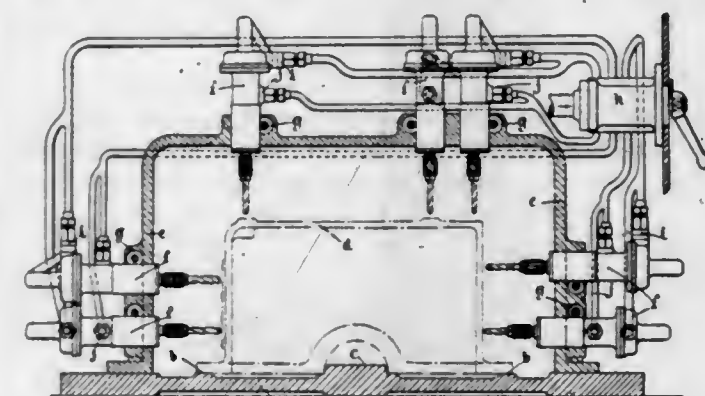
In an automatically acting valve for an auxiliary air outlet, to the intake manifold of an explosion engine, the combination with a flanged carburetor outlet pipe, of a tube, the inner end of which is inserted in an opening in the manifold, said tube being closed at its outer end and provided with aligned radial ports for air admission, a valve sleeve mounted upon the projecting portion of the air tube, said sleeve provided with corresponding air admission ports, a pendulum weight, attached to said sleeve, a coiled spring upon the projecting extremity of said tube, retaining means therefor upon the extremity of said tube, a washer between said tube and sleeve, a lug upon an enlarged portion of said tube, and a recess in the end of said sleeve, said lug entering said recess, and positioned to engage one side of said recess when said tube is rotated as the engine is tilted to ascend an incline, to prevent the opening of said ports, and to engage the other side of said recess when the engine is descending an incline, to prevent the closing of said ports, substantially as described.

1,511,163. FUEL-FEEDING SYSTEM FOR CARBURETORS. HANS HEID, Berlin-Sudende, Germany, assignor to Norddeutsche Kuehlerfabrik A.-G., Berlin-Tempelhof, Germany. Filed June 28, 1922. Serial No. 571,538. 4 Claims. (Cl. 152-36.)



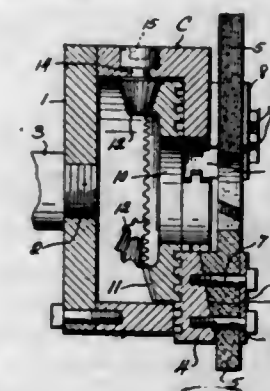
1. In a fuel feeding system a carburetor, a main tank, an auxiliary vessel located at a higher elevation than the main tank, ducts connecting said vessel with the main tank and with the carburetor, a pipe within said vessel, a duct connecting said pipe with the exhaust manifold of an internal combustion engine, and a second duct connecting said pipe with said main fuel tank, whereby the exhaust gases from the engine are caused to pass from the manifold to said pipe and thence to the main tank.

1,511,164. MULTIPLE DRILLING MACHINE. GEORGE HEY, St. Margarets-on-Thames, and FREDERICK G. MATTHEWS, Luton, England. Filed Apr. 4, 1923. Serial No. 629,884. 5 Claims. (Cl. 77-22.)



1. In a multiple drilling machine, a bed plate, a drill supporting frame having a plurality of apertures, a plurality of self-contained drill units each mounted in one of said apertures, each of said apertures having a clamping and positioning device associated therewith for adjustably clamping and positioning the drill unit contained therein separately from the drill units contained in the other apertures.

1,511,165. GRINDER HEAD. WILLIAM H. JAEGER, Trenton, N. J., assignor to Trenton Patent Manufacturing Co., Trenton, N. J., a Corporation of New Jersey. Filed Oct. 12, 1921. Serial No. 507,305. 5 Claims. (Cl. 51-206.)



1. As a new article of manufacture, a grinding head comprising a body, dogs carried thereby and adjustable radially thereof, means for adjusting the dogs, and a grinding segment secured to each of the dogs, said dogs

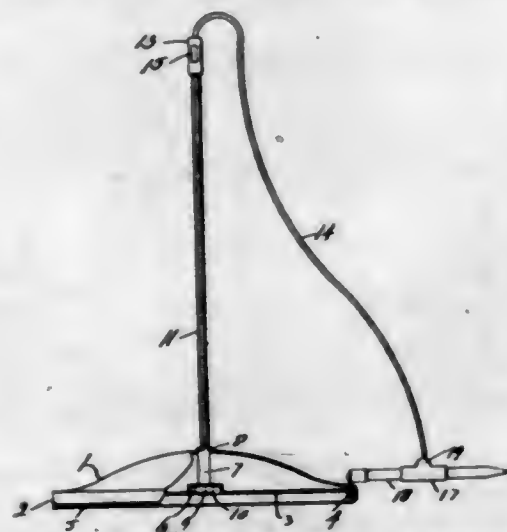
and segments having contacting surfaces inclined toward the center of the body.

2. As a new article of manufacture, a grinding head comprising a hollow body having a central opening in a face wall thereof, said face wall having slots radiating from the central opening and in communication therewith, dogs slidably mounted within the slots, means within the body engaging the dogs for adjusting the same lengthwise of the slots, and grinding segments exteriorly of the body and carried by the dogs.

1,511,166. RESILIENT COMPOSITION FOR MOUNTING TYMPANS OR DIAPHRAGMS FOR SOUND REPRODUCTION. FREDERICK ALFRED EDWARD JENKINS, Sydney, New South Wales, Australia. Filed Mar. 27, 1924. Serial No. 702,464. 1 Claim. (Cl. 106-39.) The improved resilient composition for mounting tympan or diaphragms for sound reproduction consisting solely of

Gelatine 1 to 2 parts by weight.
Glycerine 3 to 2 parts by weight.

1,511,167. FLEXIBLE HOLDER FOR PENCILS, ERASERS, AND THE LIKE. CHARLES JESNIG, Philadelphia, Pa., assignor to C. Jesnig Manufacturing Company, Philadelphia, Pa. Filed Jan. 10, 1924. Serial No. 685,311. 4 Claims. (Cl. 120-8.)



1. As a new article of manufacture, a flexible pencil holder comprising a base having a flange, a plate also having a flange, the latter fitting within the flange of the base, a cushion ring interposed between said flanges and held in place thereby, a post passing through the base and plate and securing the same together, a flexible member anchored within the post, a thimble secured to the upper end of the flexible member, a cord attached to the thimble, and a clip attached to the outer end of said cord for holding a pencil.

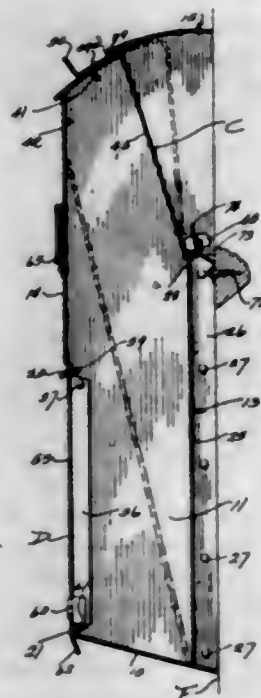
1,511,168. DIRECTION INDICATOR. FRED JESS, Davenport, Iowa. Filed Nov. 2, 1923. Serial No. 672,421. 2 Claims. (Cl. 116-43.)



1. A direction indicator comprising a revolvable frame having a pair of diametrically opposite blank faces and a plurality of colored faces with transparent words indicating diametrically opposite right, left and stop directions, means for covering certain of said directions, certain other of said directions being uncovered, whereby a light reflection may appear through the letters of

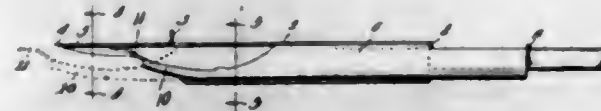
said directions, said frame having a tubular extension, a tubular support passing through the tubular extension and provided with the direction covering means at one end with a clamp at the other end adapted for attachment to a stationary support, and means operatively connected with and adjacent the end of the tubular extension for rotating the same and rotating the frame for changing the directions.

1,511,169. MAIL BOX. JOHN A. JOHNSON, Minneapolis, Minn. Filed June 29, 1923. Serial No. 648,595. 11 Claims. (Cl. 232-19.)



1. A mail box comprising a receptacle portion, a top wall including upper and lower portions connected by a slotted flange arranged transversely to said upper and lower portions, said lower portion having a mail inserting slot therein, and a closure for said mail inserting slot connected to said receptacle and adapted to slide adjacent said top wall thru the slot in said flange.

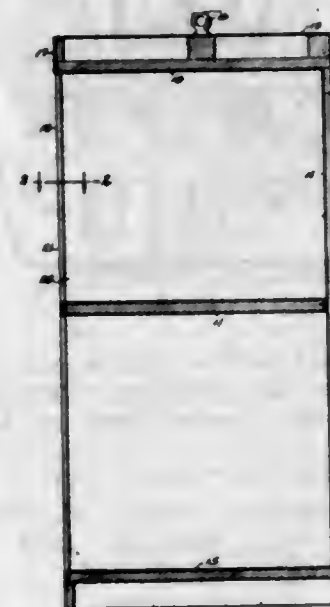
1,511,170. ART NEEDLE. WILLIAM KENNETH JOHNSON and LEON W. FISHER, East Las Vegas, N. Mex.; said Johnson assignor of his entire right to Joe H. Franz, Los Angeles, Calif. Filed Apr. 18, 1922. Serial No. 554,446. 1 Claim. (Cl. 112-80.)



An art needle comprising an outer tubular member with a forward portion tapered to a point and a concavo-convex form in cross-section and provided with an eye, an inner member movable rectilinearly in the outer member and having a forward extension concavo-convex in cross-section and deflected longitudinally toward the inner side of the outer member, and a narrow and thin steel tongue carried by the said extension of the inner member in said member and at the inner side thereof and projecting forwardly beyond the same and movable longitudinally in the forward portion of the outer member and against the inner side of said outer member; the outer member being equipped in rear of its forward tapered portion with an exterior thread guide and being provided at its rear end with an inwardly extending stop, and the inner member being tubular and being provided with a longitudinal slot receiving said stop, it being

also provided at its rear end with a finger loop, and with a stop to bring up against the rear end of the outer member.

1,511,171. DUMB-WAITER. LE ROY H. KIESLING, Brooklyn, N. Y. Filed Feb. 1, 1924. Serial No. 689,960. 4 Claims. (Cl. 217-3.)



1. A dumb-waiter open at the front and sheet metal lining material applied thereto and extending at the sides of the dumb-waiter, the sides of the lining terminating at the front edges short of the front edges of the sides of the dumb-waiter, said dumb-waiter having vertical grooves in the sides thereof inward from the front edges of said sides, and said lining covering the sides of the dumb-waiter having the terminal front edge portions thereof bent laterally outward into said grooves to securely hold the lining without presenting an exposed edge portion.

1,511,172. VEHICLE BODY. JOHN MCARTHUR, Detroit, Mich. Filed Feb. 14, 1922. Serial No. 536,479. 3 Claims. (Cl. 290-44.)

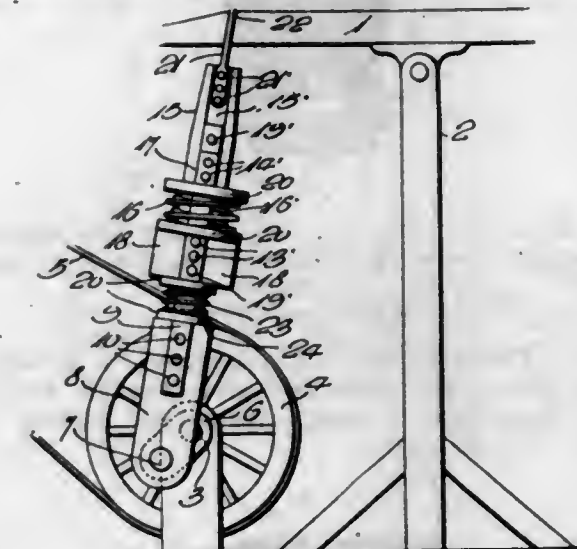


1. In a closed vehicle body comprising a skeleton frame including upright and horizontal frame members, certain of which being arranged and causing to be formed adjacent door frames constituting a part of the vehicle body, doors operatively mounted in said door frames, and stop and threshold strips carried by the upper and lower adjacent edges of the doors and the door frames, said top and threshold strips being detachable whereby they may be renewed and having their adjacent engaging faces beveled, allowing the doors to swing outwardly, the beveled faces of the threshold strips of the door frames constituting means on which latch bolts may ride, whereby the latch bolts may engage behind the major inner edges of the threshold strips of the door frames, said major inner edges of the threshold strips constituting catches.

1,511,173. SPRING PITMAN. WILLIAM MCCARTY, Haskell, Okla. Filed Sept. 21, 1922. Serial No. 589,695. 5 Claims. (Cl. 74-48.)

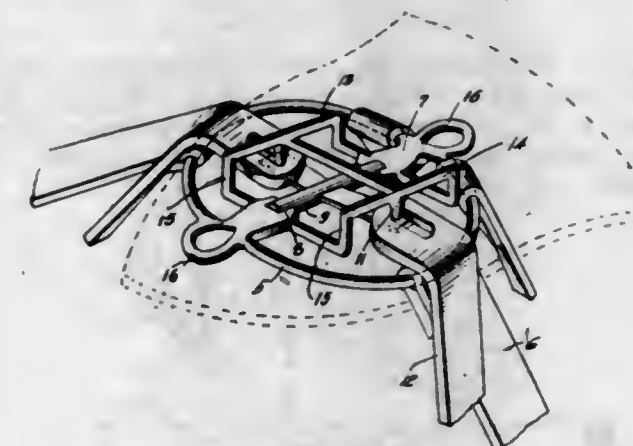
1. A pitman comprising end sections, one of said end sections including arms slidably extending upon

opposite sides of the other end section, a coil spring positioned about the overlapped portions of the end sections, abutments carried by the overlapped portions of the end sections and engaging the spring to yieldably hold the end sections against sliding movement away from each other, removable fasteners passed through the



overlapped portions of the end sections to hold the end sections against sliding movement when the fasteners are in place, and a cushioning spring extending about the arms between the sections and having its ends engaging the sections to limit movement of the sections towards each other.

1,511,174. TRACE CARRIER. WILLIAM F. RAMIG, Rockwell City, Iowa. Filed Oct. 5, 1923. Serial No. 666,737. 2 Claims. (Cl. 54-56.)

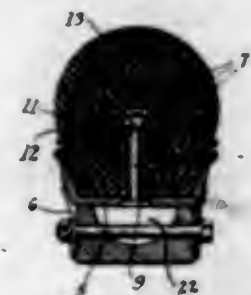


2. In a trace carrier, a frame adapted to form anchorages for harness straps, a supplemental frame with in the area of the first mentioned frame, means for rigidly connecting the two frames, bearings at opposite sides of the supplemental frame, lugs constituting trace-engaging elements extending downwardly from parallel sections of the supplemental frame standing at right angles to the first mentioned sections of the supplemental frame and terminating at or below the plane of the upper edge of the first mentioned frame, a member rotatable in the bearings, a spring extending through the said member and into engagement with the lugs, substantially as described.

1,511,175. VEHICLE TIRE. OTTO RIBARSCH, New York, N. Y. Filed Feb. 8, 1924. Serial No. 691,355. 4 Claims. (Cl. 152-1.)

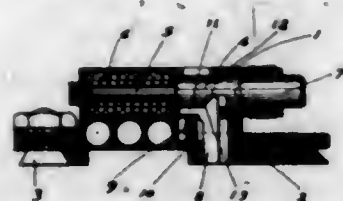
4. A cushion tire comprising superposed thin layers of highly elastic, soft live rubber forming a highly resilient tire body but incapable of standing road wear or sustaining definite shape and a less elastic wear-resisting outer casing secured over said highly resilient tire body and covering the edges of the thin live rubber

layers to confine same to definite form and to equalize the stretching efforts of the various individual layers, a



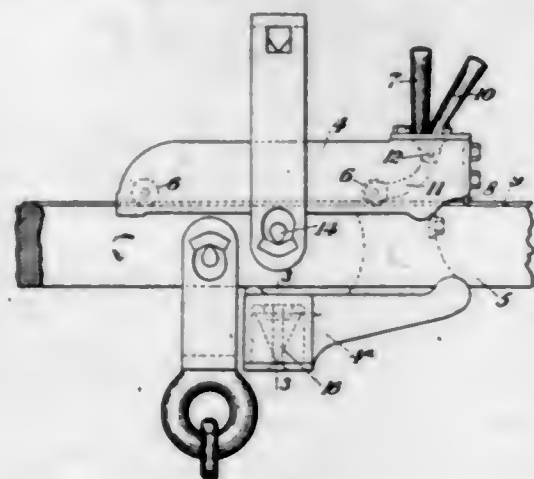
rim on which the tire body and casing are mounted and means for securing said resilient tire body upon said rim.

1,511,176. TRIGGER MOTOR. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Mar. 2, 1922. Serial No. 540,508. 5 Claims. (Cl. 89-27.)



1. In a trigger motor for machine guns, a trigger motor housing an impulse cable operated plunger slidable in said housing, a recess in said plunger having one of its walls inclined, and a sear slide adapted to be operated by said plunger, said sear slide having a portion provided with an inclined surface and adapted to extend into said recess.

1,511,177. POISE-WEIGHT OF STEELYARDS. CAMERON MCGREGOR SYKES, Birmingham, England, assignor to W. & T. Avery, Limited, Birmingham, England. Filed May 6, 1922. Serial No. 558,990. 2 Claims. (Cl. 265-49.)

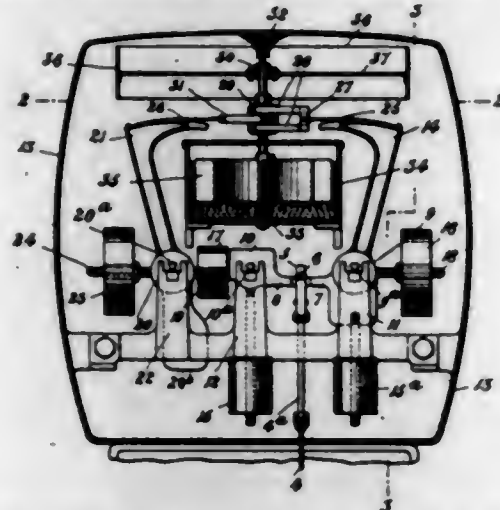


1. In a traversable poise weight for steelyards, a loading chamber disposed equally on either side of a vertical plane including the fulcrum knife of the steelyard on which the poise weight is mounted when the said poise weight is in its zero position.

1,511,178. AUTOMATIC WEIGHT-INDICATING MECHANISM. CAMERON MCGREGOR SYKES, Birmingham, England, assignor to W. & T. Avery, Limited, Birmingham, England. Filed Oct. 31, 1922. Serial No. 598,221. 4 Claims. (Cl. 265-62.)

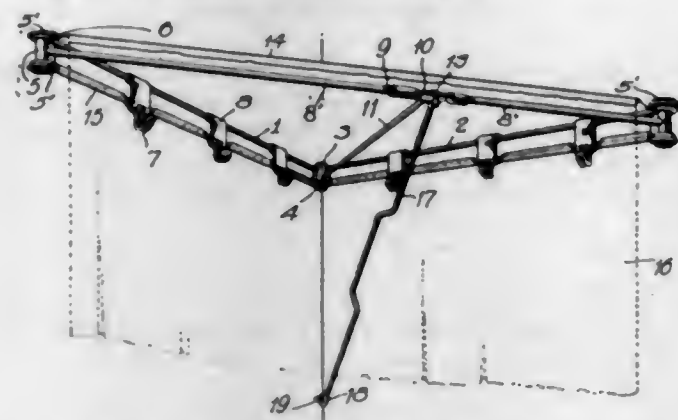
1. An automatic weight indicating mechanism embodying a rotary indicator having weight numerals on its periphery, a vertical spindle on which said indica-

tor is mounted, means for effecting a two-way motion of said spindle, pendulous resistant members to which said



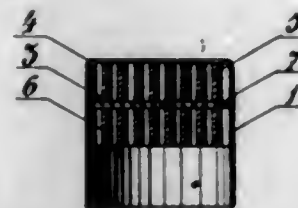
means are connected, a float chamber and a float mounted on said spindle and contained within liquid in said float chamber for the purpose herein set forth.

1,511,179. WARDROBE. JOSEPH H. TALLMAN, Jacksonville, Fla. Filed Mar. 10, 1924. Serial No. 698,300. 4 Claims. (Cl. 45-137.)



1. A device of the character described comprising pivotally inter-connected body members, garment supporting devices thereon, frictional engaging means upon the opposite ends of said members, and longitudinally adjustable rods pivotally connected to the opposite ends of the body members.

1,511,180. GAS BURNER. ALBERT VISSÉ, Paris, France. Filed May 18, 1923. Serial No. 639,946. 2 Claims. (Cl. 158-99.)

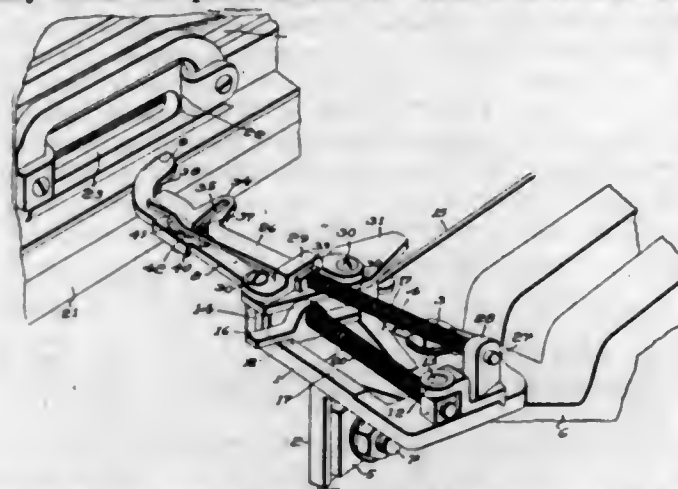


1. A gas burner comprising a socket, a plurality of perforated discs arranged within said socket and a sheet metal gauze separating said discs.

1,511,181. FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 12, 1924. Serial No. 685,917. 7 Claims. (Cl. 139-270.)

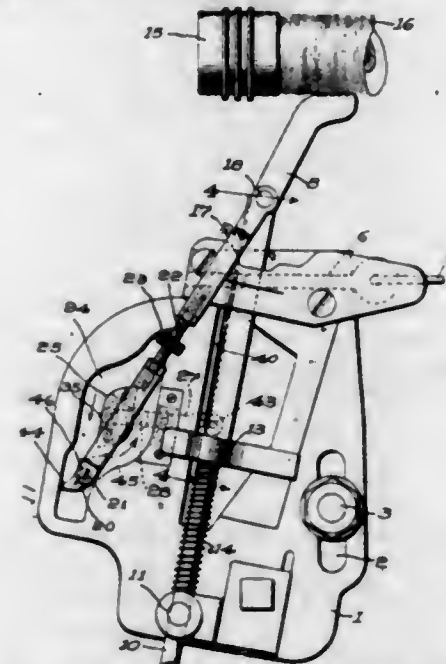
1. In a feeler mechanism for looms, the combination of a feeler mounted for movement in a direction longitudinally of the shuttle to effect replenishment of filling, a bunter, a pin and slot connection permanently uniting the feeler and bunter constructed and arranged to per-

mit movement of the feeler longitudinally of the shuttle only when the pin and slot are aligned in a transverse



direction by relative movement of the bunter and feeler in a frontward direction on a detecting beat.

1,511,182. FEELER MECHANISM FOR LOOMS. MELVIN L. STONE, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 4, 1924. Serial No. 684,435. 11 Claims. (Cl. 139-270.)

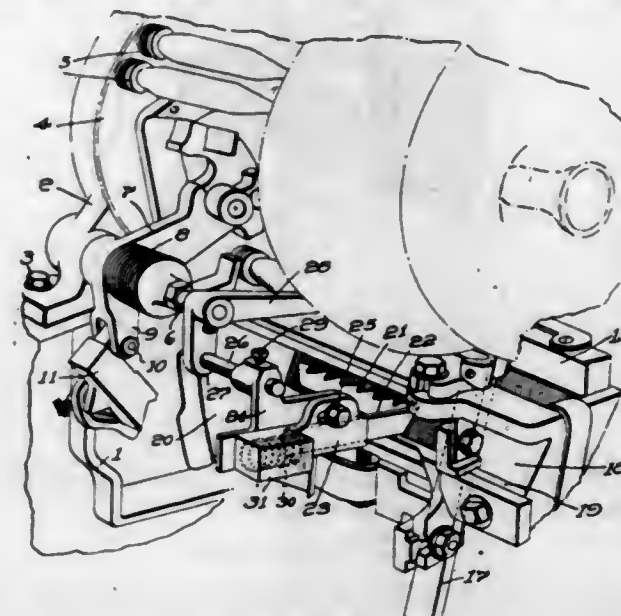


1. In a feeler mechanism for looms, the combination of an inclined side swipe feeler, a lock normally acting to prevent premature side swipe movement of the feeler, a lock cooperating member carried by the feeler and movable thereby in a prescribed path on each detecting beat until the filling reaches a predetermined degree of exhaustion and thereupon being moved in a different path as the feeler goes back that the lock tripping member may trip the lock and free the feeler to side swipe movement when the filling is substantially exhausted.

1,511,183. FILLING-REPLENISHING LOOM. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 15, 1923. Serial No. 674,880. 3 Claims. (Cl. 139-255.)

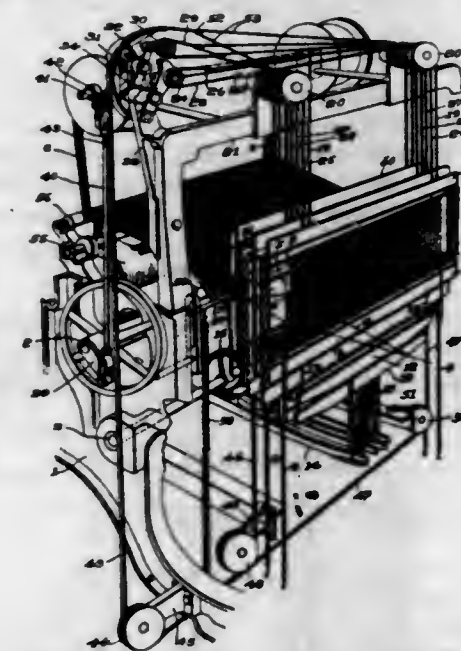
1. In a filling replenishing loom, the combination of filling replenishing mechanism, a lay having an aperture therethrough to permit the discharge of an old filling carrier, a picker stick guide mounted below the apertured portion of the lay and in spaced relation to a wall of the lay to form a picker stick slot, a bracket supported independent of the lay and adjustable angularly and toward and from the front of the loom, and an old filling end withdrawing device comprising, a shank that is supported by the adjustable bracket for yielding frontward movement, and a relatively long nar-

row plate for engaging and withdrawing the trailing end of an ejected filling carrier, supported by said shank to enter the aperture of the lay above the picker stick guide and to engage the rear wall of said aperture as



the lay reaches the forward end of its stroke and arranged to extend in an inclined direction across the picker stick slot to prevent the ejected old filling carrier from entering said slot.

1,511,184. CROSS-WEAVING LOOM. ALFRED E. STAFFORD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 17, 1923. Serial No. 619,755. 10 Claims. (Cl. 139-51.)

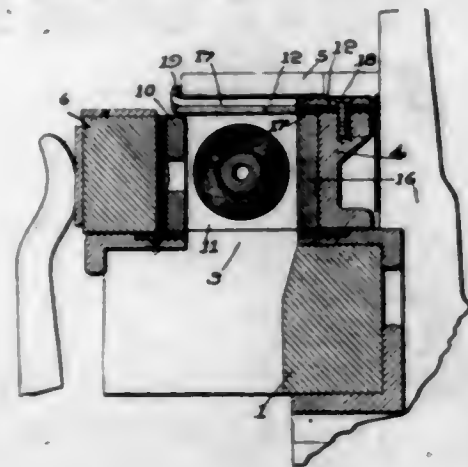


1. In a cross-weaving loom, the combination of a doup heddle, two lifter heddles for controlling the doup heddle, a cam or under shaft having lifter heddle operating cams, connections between the two lifter heddles to cause movement of one to be transmitted to the other in the opposite direction, a jumper heddle, a flexible strap connected to the upper and lower portion of the jumper heddle, a crank shaft, and means operated by the crank shaft and acting through said flexible connection to impart positive movement to the jumper heddle.

1,511,185. SHUTTLE BOX FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 23, 1924. Serial No. 708,554. 9 Claims. (Cl. 139-183.)

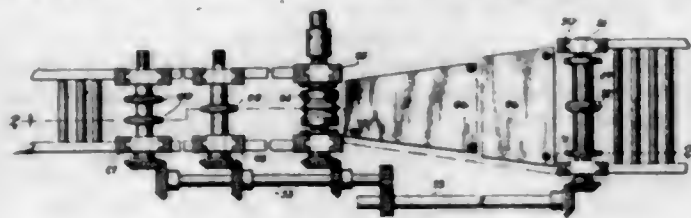
3. A filling replenishing shuttle box for looms having a top plate which diminishes in width from the entrance

towards the outer end of the shuttle box, a facing of the cushioning material extending over the lower face of the



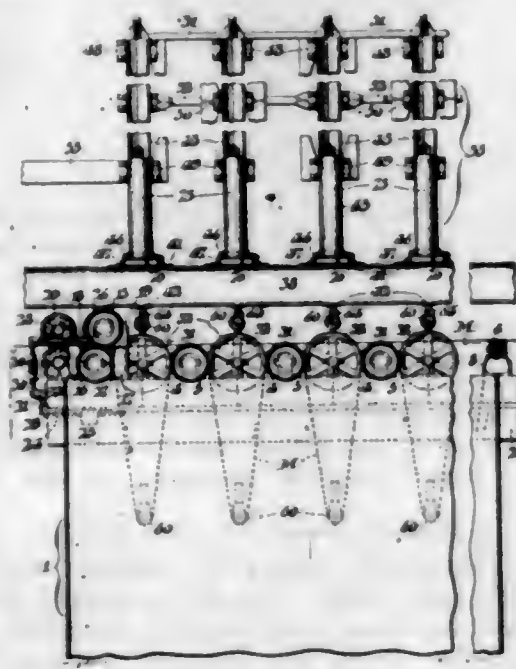
top plate, and means for securing the cushioning material to a side wall of the shuttle box.

1,511,186. STRUCTURAL-ELEMENT MANUFACTURE. NORMAN C. RENDLEMAN, Dormont, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1922. Serial No. 514,576. 14 Claims. (Cl. 80-60.)



1. The process of fabricating latticed structural elements that comprises subjecting an intermediate portion to interrupted slitting along its margins, rolling said intermediate portion to a compact cross-sectional shape, thereby reducing and elongating the strands formed between the slits and separating the margins to open said strands.

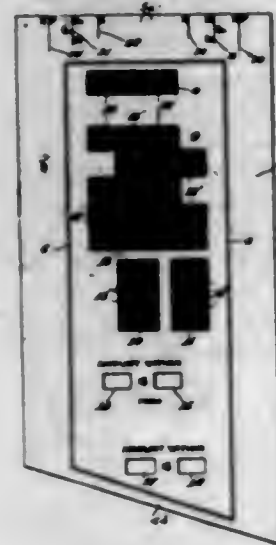
1,511,187. SATURATING APPARATUS. GEORGE RITTER, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Aug. 31, 1922. Serial No. 583,417. 7 Claims. (Cl. 91-46.)



1. A saturating apparatus including a tank for the saturating solution, two separate sets of guide rollers

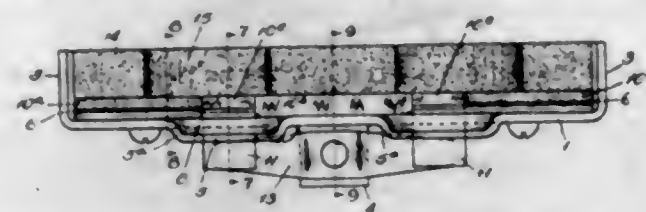
for determining a zigzag course of sheet material through the solution in the tank, means co-ordinating one of said sets of rollers for positive driving, and means whereby the other set of rollers may be moved to completely clear the coordinated set in affording an interspace through which the sheet material may be drawn in a straight line thereby to obviate necessity for threading the sheet material about the guide rollers in initiating its starting in the apparatus.

1,511,188. WINDOW COIN WRAPPER. ROBERT SPURGIN and PERCIVAL S. SPURGIN, Chicago, Ill., assignors to Spurgin Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 4, 1923. Serial No. 629,805. 7 Claims. (Cl. 133-4.)



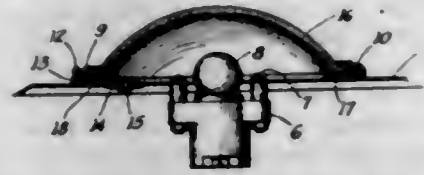
1. A coin wrapper bearing on its outer surface duplicate pairs of groups of denominational and value indicia, the individual indicia in each group all being different, and said wrapper having formed therein a plurality of windows spaced lengthwise thereof through which identical indicia of said pairs appear respectively in the wrapper rouleau.

1,511,189. APPARATUS FOR UNITING METALS. LYNN S. BURGERT, Cleveland, Ohio. Filed Feb. 9, 1923. Serial No. 617,988. 11 Claims. (Cl. 22-116.)



1. In a mold for cast welding molten metal to a metallic article, in combination, a carbon member having a recess, a composite bottom for the said recess comprising a carbon member and a copper member disposed in substantially the same horizontal plane, and means for holding the said members in assembled relation.

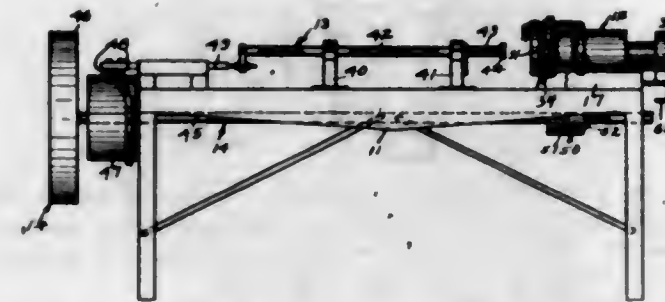
1,511,190. MOUNTING FOR LIGHTS. JOSEPH O. CADIEUX, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed June 27, 1923. Serial No. 647,993. 6 Claims. (Cl. 240-11.)



1. A dome light construction comprising a base, a lamp socket carried thereby, said base having arcuate

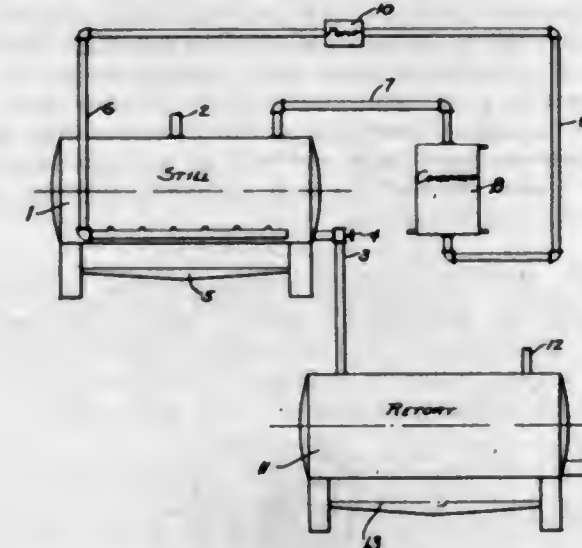
slots on opposite sides of said socket to receive mounting screws and having seats for the screws at the ends of said slots so that the base may be held firmly in position in either of its extreme positions, and a cover glass secured to said base and covering said slots and seats.

1,511,191. CUTTING DEVICE. HUGO C. WEISSE and GEORGE L. MATHER, Milwaukee, Wis., assignors, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1921. Serial No. 493,753. 2 Claims. (Cl. 164-69.)



1. A hose cutter having in combination a hollow chuck through which the hose is fed, an abutment spaced from the chuck and in alignment therewith, a supporting finger movable to bridge the space between the abutment and chuck, a rotatable knife mounted adjacent the chuck and mechanism to automatically operate the chuck to clamp the hose on its supporting finger and rotate said knife to sever the hose.

1,511,192. PROCESS OF PRODUCING COKE. RAY P. PERRY, Upper Montclair, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Dec. 10, 1919. Serial No. 343,717. 3 Claims. (Cl. 202-8.)



1. The herein described process which comprises distilling coal tar while circulating a neutral gas there-through until a pitch residue is produced which will not foam appreciably when subjected to a coking temperature, and coking said residue.

1,511,193. GASOLINE PRICE DEVICE. WILLIAM N. ULMER, Redmond, Wash., assignor of one-half to Charles D. Ulmer, Port Angeles, Wash. Filed Aug. 27, 1923. Serial No. 659,664. 1 Claim. (Cl. 40-16.)

A device of the class described embodying a casing having a longitudinal opening extending upward into its forward side from the bottom; a plate having a longitudinal opening in it that may be placed on the forward side of the casing and arranged so that the edges of the material forming the opening will project over the longitudinal opening in the casing, said opening being provided with a piece of transparent material that will

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bear against the under side of the cover, and a long flat spring having each end attached to its base, said

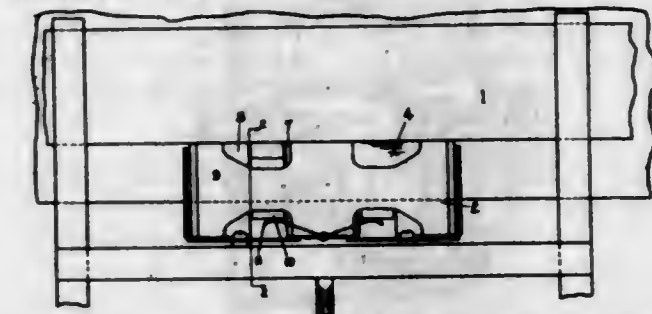


spring being arranged so that it will hold a card against the under side of the glass in the opening in the casing.

1,511,194. PROCESS OF UNITING METALS. JOHN B. AUSTIN, Cleveland, Ohio. Filed Jan. 2, 1923. Serial No. 610,347. 27 Claims. (Cl. 219-12.)

1. The process of uniting metals, one of which has an oxidized surface, which comprises melting one of the said metals in contact with the other metal having an oxidized surface and in the presence of a reagent capable of removing the oxide from the surface of said other metal, and continuing the application of heat until the reagent removes the oxide from the surface of said other metal, and the two metals unite.

1,511,195. PROCESS OF UNITING COPPER TO STEEL. JOHN B. AUSTIN, Cleveland, Ohio. Filed Jan. 8, 1923. Serial No. 611,240. 12 Claims. (Cl. 219-8.)

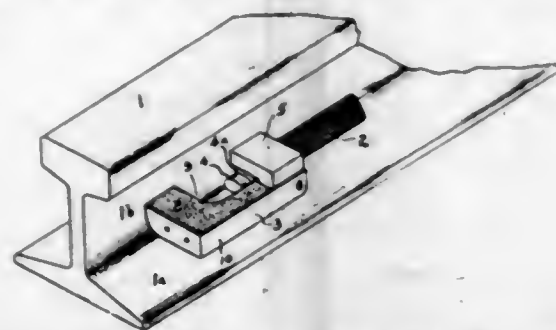


1. The process of uniting copper bonds to steel rails which comprises positioning a copper bond adjacent to a steel rail, confining the bond in a composite mold having carbon and copper parts in contact with the bond, melting copper into a casting cavity of the mold by means of an electric arc, commingling therewith a reagent capable of removing oxides from the copper and from the surface of the rail with which the copper contacts, heating the copper to a temperature at which the reagent may remove the said oxides, and maintaining the copper at such temperature until the reagent has removed the said oxides and the copper has united with the bond and rail.

1,511,196. PROCESS OF UNITING METALS. JOHN B. AUSTIN, Cleveland, Ohio. Filed Aug. 18, 1924. Serial No. 732,802. 7 Claims. (Cl. 219-8.)

1. The process of uniting a copper bond to a steel rail which comprises forming a suitable mold cavity about a portion of the copper of a bond adjacent to a rail, of which mold cavity the base and web of the rail form mold walls, respectively, melting copper into the

mold cavity, directing a heating flame on the molten copper within said cavity without directing the flame on the steel and maintaining the copper molten until

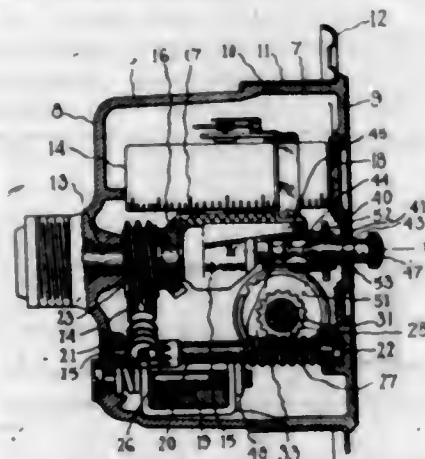


the gases are substantially eliminated and the copper unites with the steel of the web of the rail and the bond and forms a substantially non-porous junction between the copper and the steel.

1,511,197. PROCESS OF UNITING COPPER TO STEEL. JOHN B. AUSTIN, Cleveland, Ohio. Filed Aug. 18, 1924. Serial No. 732,871. 9 Claims. (Cl. 219-8.)

1. The process of uniting one metal or alloy to another of higher melting point which comprises melting a small quantity of the one metal and holding the molten metal in contact with the metal of higher melting point at the location where it is desired to effect a junction, heating the molten metal by directing a heating flame thereon without directing the flame upon the said metal of higher melting point and continuing the heating of the molten metal until the gases are substantially eliminated and a substantially non-porous junction between the two metals is effected.

1,511,198. SPEEDOMETER. JOSEPH BERKE, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Apr. 14, 1919. Serial No. 289,827. 17 Claims. (Cl. 235-97.)

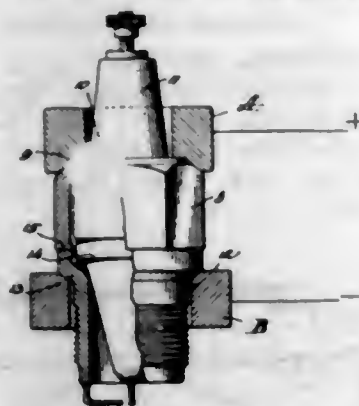


1. In odometer mechanism of the class described, a casing section having oppositely located U-shaped bearing seats provided in its peripheral or side wall; an odometer shaft the ends of which are supported within and are removable by lateral movement from said bearing seats; a plurality of odometer discs supported by said shaft; means for operating said discs; a bracket detachably secured to the end wall of said casing section; and a bearing carried by said bracket for supporting the central portion of said odometer shaft.

1,511,199. SPARK PLUG AND METHOD OF MAKING THE SAME. ALBERT CHAMPION, Flint, and LLOYD BLACKMORE, Highland Park, Mich., assignors to A C Spark Plug Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 14, 1921. Serial No. 461,237. 9 Claims. (Cl. 29-155.5.)

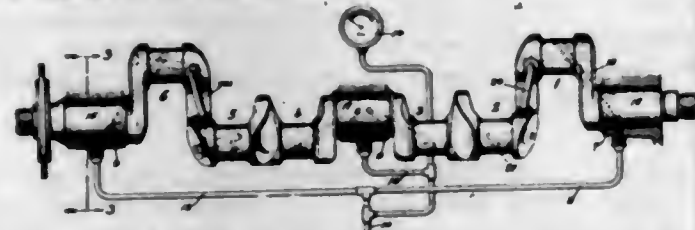
1. The method of making a spark plug which consists in assembling an insulating member within two tubular casing sections having free edges adapted to engage one another, and each of which sections is provided with holding means adapted to engage said insulating mem-

ber and hold it in place within the casing formed by said tubular members; applying pressure to said tubular members to force them toward one another; and welding the free edges of said casing sections together while the force applied to said members is maintained.



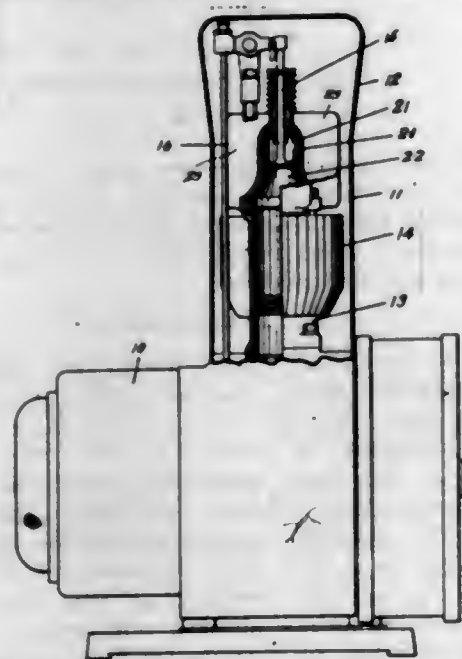
6. In a spark plug, two tubular casing members or sections having abutting ends welded together; and an insulating member located within the casing thus formed.

1,511,200. INDIVIDUAL CRANK-PIN-OILING SYSTEM. BENJAMIN JEROME, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 554,061. 5 Claims. (Cl. 184-6.)



1. In combination with a main crank shaft bearing, and a crank shaft supported therein and having a plurality of crank pins; a conduit through which oil may be supplied under pressure to said main bearing; and two concentric conduits separate and independent of one another and having oppositely arranged inlet ports located in the main bearing portion of said crank shaft, and which conduits lead one to one and the other to another crank pin both located upon one and the same side of said main bearing.

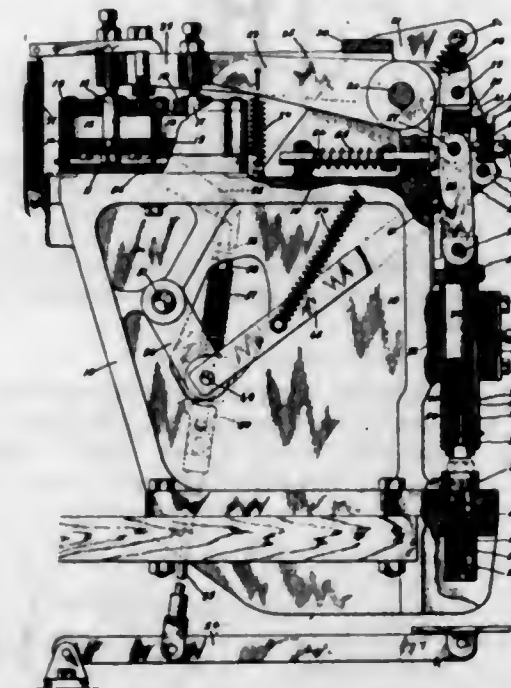
1,511,201. INTERNAL-COMBUSTION ENGINE. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 26, 1918. Serial No. 268,285. 5 Claims. (Cl. 123-193.)



1. An internal-combustion engine having overhead intake and exhaust valves, comprising in combination, a

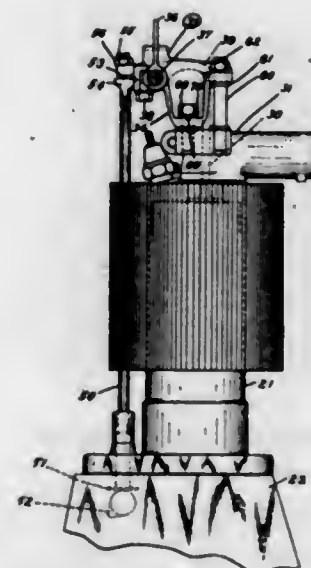
cylinder, a cylinder head bell-shaped in axial cross section, and a relatively thin wall in said cylinder head intermediate its ends and transverse to the axis thereof, said wall being provided with ports and seats for the intake and exhaust valves.

1,511,202. MACHINE FOR ASSEMBLING SPARK PLUGS. HECTOR RABEZANA, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Apr. 17, 1922. Serial No. 553,605. 27 Claims. (Cl. 20-84.)



1. In a device of the class described, two concentrically arranged reciprocating plungers; two pivotally supported operating levers; two toggle mechanisms intermediate said plungers and said levers, and through which said plungers are operated each independently of the other; means for simultaneously breaking and straightening said two toggle mechanisms; and means for operating said levers to thereby communicate movement to said plungers through said toggle mechanisms.

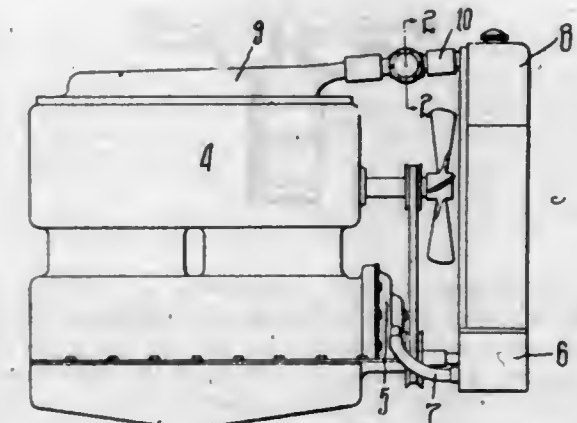
1,511,203. ENGINE VALVE MECHANISM. CHARLES R. SHORT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 18, 1923. Serial No. 669,243. 3 Claims. (Cl. 123-90.)



1. Valve mechanism for engines comprising, in combination, a valve, a push rod operated by the engine, a

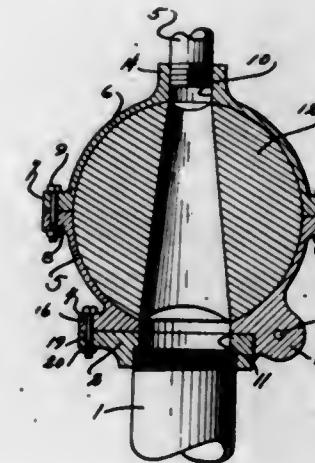
rocker arm actuated by said rod for moving said valve, a lever fulcrumed closely adjacent the engine cylinder and having an arm supporting the rocker arm and another arm terminating at a point spaced from the cylinder, and a link of material of greater coefficient of expansion than the material of the lever connecting the engine with the end of the second mentioned lever arm.

1,511,204. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. FRED E. ASELTINE, Detroit, Mich. Filed Apr. 19, 1920. Serial No. 375,088. 4 Claims. (Cl. 123-178.)



1. In a cooling system for internal combustion engines and in combination with an engine to be cooled, a radiator for effecting the cooling of the liquid whereby the engine is cooled, and conduits connecting the upper and lower ends of the radiator with the engine and through which conduits a circulation of cooling liquid is maintained between the engine and the radiator; an oscillating shaft supported in bearings in the wall of the upper of said conduits and one end of which shaft extends into a chamber which is in open communication with the interior of said conduit, so that a portion of the cooling liquid flowing in the system may flow through said chamber; a valve carried by said oscillating shaft and located within said upper conduit for controlling the flow of cooling liquid therethrough; and a thermostat located within the said chamber and operatively connected with said valve.

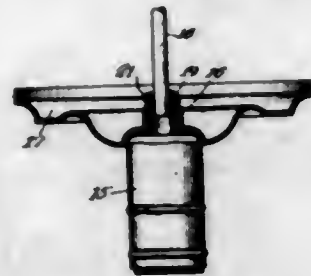
1,511,205. OIL-WELL CAP. HUDSON LESLIE, Eureka, Calif. Filed Mar. 15, 1923. Serial No. 625,261. 2 Claims. (Cl. 166-15.)



1. The combination with an oil well casing and a seat member carried thereon; of a cap comprising a pair of substantially hemispherical sections removably secured together, said sections provided at diametrically opposite points therein with openings, means for detachably se-

curing the lower section of said cap to the aforementioned seat member, and a rotary valve supported in said sections and adapted to cooperate with the openings therein.

1,511,206. **ELECTRIC FIXTURE.** JOHN CUTHBERT, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed May 21, 1920. Serial No. 383,083. 4 Claims. (Cl. 240—78.)



1. An electric fixture comprising an electric socket having an open threaded projection through which conductors pass to the interior of the socket, a socket support having an opening therein and through which said projection extends, a pipe gripping sleeve within the opening in said projection, and a nipple fitting said projection and cooperating with said support and said sleeve to clamp said socket to said support and a pipe.

1,511,207. **HAIR-WAVING TUBE.** GABRIEL LANTIERI, Jersey City, N. J. Filed Dec. 21, 1922. Serial No. 608,250. 8 Claims. (Cl. 132—36.)

7. A hair waving implement comprising an open ended tube, an elastic closure to snugly fill the annular space between one end of said tube and a lock of hair, and a detachable perforated cap for the other end of said tube.

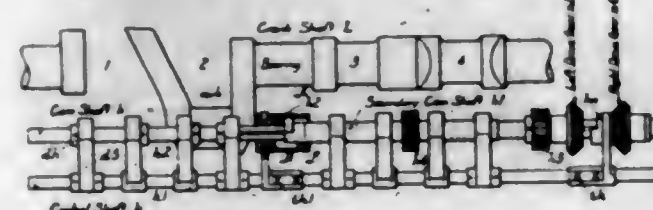
8. A hair waving implement comprising a tube made up of lengthwise extending complementary sections hinged along a pair of adjacent edges, means whereby the free edges may be detachably held when the tube sections are closed together, a closure to fill the annular space between one tube end and an inserted lock of hair, a closure for the other tube end, and a stop and sealing strip

carried by one of said tube sections and extending inwardly along its hinged edge, said strip being curved



about the hinge and terminating in a position to engage the inner surface of the other tube section when in closed position.

1,511,208. **REVERSE GEAR FOR CONSTANT-PRESSURE INTERNAL-COMBUSTION ENGINES.** PAUL ANDREW LAWRENCE, Grand Island, Nebr. Filed Apr. 5, 1921. Serial No. 458,781. 5 Claims. (Cl. 123—41.)



1. A reverse mechanism for internal combustion engines comprising two gears loosely mounted on the cam shaft and rotating in opposite directions; a coupling to engage one or the other of said gears; a reverse shaft lying parallel to the said cam shaft; means of imparting angular and endwise motion to said reverse shaft; means of operating said coupling on cam shaft through endwise motion of said reverse shaft; and means of rotating said cam shaft through angular motion of said reverse shaft.

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CONTENTS.

	Page.
ISSUE OF OCTOBER 14, 1924.....	213
INTERFERENCE NOTICES.....	213
ACCESS TO PENDING APPLICATIONS.....	213
DRAWINGS.....	213
APPLICATIONS UNDER EXAMINATION.....	214
COMMISSIONER'S DECISIONS—	
Ex parte Ware.....	215
Ex parte Bowers.....	215
Ex parte Buchenberg.....	216
DECISIONS OF THE U. S. COURTS—	
Keller and Lalle, doing business as Hartford Windshield Company, v. Adams-Campbell Co., Inc., Gabel, Klipper, et al.....	217
Webster Electric Company v. Spiltdorf Electrical Company.....	219
PATENT BUREAU.....	221
NOTICES OF CANCELLATION.....	222
TRADE-MARKS PUBLISHED (208 APPLICATIONS).....	223
TRADE-MARK REGISTRATIONS GRANTED.....	223
TRADE-MARK REGISTRATIONS RENEWED.....	227
REISSUES.....	229
DESIGNS.....	229
PATENTS GRANTED.....	275

Issue of October 14, 1924.

Trade-Marks.....	354—No. 190,290 to No. 190,643, inclusive.
T. M. Renewals.....	8
Reissues.....	1—No. 15,931.
Designs.....	27—No. 65,765 to No. 65,791, inclusive.
Patents.....	802—No. 1,511,209 to No. 1,512,010, inclusive.
Total.....	1192

Interference Notices.

U. S. PATENT OFFICE, Washington, Sept. 17, 1924.

Marlowe Manufacturing Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Bleser Company, Inc., 220 Fifth Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered November 1, 1910, No. 80,072, to Marlowe Manufacturing Company, 101 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Marlowe Manufacturing Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Marlowe Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.

May Secor, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Max Robins, 220 North Franklin Street, Chicago, Ill., for registration of trade-marks and trade-mark registered May 8, 1906, No. 52,458, to May Secor, 121 Oak Street, Weehawken Heights, N. J., and a notice of such declaration sent by registered mail to said May Secor at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said May Secor, her assigns or legal representatives, shall enter an appearance therein within 30

days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.

Alfonso De Paul, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of S. Glemby's Sons Co., Inc., 12 East Twenty-second Street, New York, N. Y., and Swift and Company, Union Stock Yards, Chicago, Ill., for registrations of trade-marks and trade-mark registered April 6, 1900, No. 73,276, to Alfonso De Paul, 1304 Dickinson Street, Philadelphia, Pa., and a notice of such declaration sent by registered mail to said De Paul at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said De Paul, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.

Dr. Rainey Medicine Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Stevens Medicine Company, Broadway and Thirty-fourth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered December 10, 1907, No. 86,506, to Dr. Rainey Medicine Co., Room 63, Dexter Building, 84 Adams Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Dr. Rainey Medicine Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dr. Rainey Medicine Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Access to Pending Applications.

No person except the applicant, the assignee whose assignment is of record, or the attorney of record will be permitted to have access to the file of any application, except as provided for under the interference rules, unless written authority from the applicant, assignee, or attorney, identifying the application to be inspected, is filed in the case to become a part of the record thereof, or upon the written order of the Commissioner, which will also become a part of the record of the case.

Drawings.

Attention is called to paragraphs g and t of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying-marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business October 3, 1924.

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 10	Mar. 24	1,010
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 6	Mar. 24	787
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	May 31	May 14	405
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 18	May 12	887
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Mar. 1	Mar. 3	1,012
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 16	Feb. 8	1,200
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Apr. 3	Apr. 3	1,689
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	Apr. 28	Apr. 14	1,357
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Mar. 10	Aug. 4	677
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Apr. 1	Apr. 24	1,467
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	May 22	May 8	965
380	12. PIERCE, P. P., Machine Elements.	Apr. 28	Apr. 15	1,066
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 21	Mar. 19	1,124
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Mar. 13	July 5	597
320	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 7	Mar. 31	1,352
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Mar. 1	Mar. 3	1,369
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Apr. 14	May 2	865
226	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Feb. 5	Feb. 6	1,328
229	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 21	July 10	859
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 3	Apr. 9	1,262
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Mar. 8	July 26	622
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Mar. 18	Mar. 17	1,238
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanism.	Apr. 8	Apr. 5	475
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 25	Apr. 7	813
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	June 28	July 7	648
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Feb. 9	Feb. 19	810
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 11	May 13	1,069
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 7	Apr. 23	1,062
100*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Mar. 4	Mar. 8	1,157
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Apr. 10	May 24	1,215
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 31	Mar. 18	999
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Mar. 17	Mar. 17	921
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 26	Apr. 30	1,255
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 2	Apr. 8	810
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 29	July 2	691
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Apr. 19	Apr. 8	1,520
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Mar. 27	Apr. 1	1,568
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Apr. 4	Apr. 17	1,161
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Apr. 19	Apr. 21	686
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 20	May 31	1,912
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Mar. 27	Apr. 18	691
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Feb. 6	Feb. 14	1,614
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 25	Mar. 1	1,244
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Mar. 15	Apr. 19	1,087
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Mar. 25	Mar. 1	964
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 8	Feb. 16	1,127
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brakes and Analogous Systems; Motors; Spring Devices.	Mar. 4	Mar. 12	1,420
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Feb. 2	Feb. 14	1,964
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Apr. 4	Mar. 13	953
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Feb. 15	Feb. 15	1,734
240*	51. BACKUS, O. D., Radiant Energy, Wave Transmission; Electric Lamps.	Mar. 11	Mar. 15	2,075
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 15	May 31	881
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 20	Mar. 6	1,538
102	DESIGNS: C. O. MARKHAM (Acting).	Sept. 2	Aug. 28	453
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Sept. 2	Sept. 4	1,587
		Aug. 19	Aug. 23	374

* Refers to room numbers in the annex.
214

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE WARE.

Decided April 4, 1925.

1. INVENTION—ASSEMBLAGE OF OLD DEVICES.

Where an applicant has searched the prior art and taken from various old devices the features which he deemed useful and incorporated them in a single structure, *Held* that unless there is some cooperative function or some new result beyond the mere aggregative results of the assemblage nothing patentable has been produced.

2. SAME—SAME.

Where each feature selected from the prior art performs its usual function, unmodified by the presence or absence of the other features, *Held* such bringing together of old features in a single instrument may go on indefinitely without producing anything patentable.

APPEAL from Examiners in Chief.

DRAFTING INSTRUMENT.

Mr. Frank A. Cutter and Mr. R. Peale Herrick for the applicant.

KINNAN, First Assistant Commissioner.

This is an appeal from the decision of the Examiners in Chief, affirming that of the Primary Examiner, denying patentability to claims 1 to 4. Claims 1 and 4 will serve for illustrative purposes.

1. As an improved article of manufacture, a drafting instrument comprising a square having its arms inside joined by a curve, and the inner edges of said arms including the curved part beveled, said square otherwise being flat on both sides.

4. As an improved article of manufacture, a drafting instrument comprising a square having beveled inner edges and a beveled curved inner corner, and also having end bevels which are on a common plane that forms the hypotenuse of a triangle of which the arms of said square form the other two sides, and said square being provided with various openings having beveled edges to afford elevated ruling edges.

An additional claim, numbered 5, was presented to the Examiners in Chief, but was not recommended for entry by them, as they did not deem it patentable. (Ex parte Moore, 307 O. G., 4.)

[1] The claims relate to a drafting square having certain distinctive features, which may be enumerated as follows: The inner edges of the arms are beveled; the inner points at the ends are cut away at such an angle as to form, when the ends are applied to a straight edge, the hypotenuse of a triangle; there are certain distinctive marks noted at 11, which set off certain distances as "pivotal points," and there are irregular openings through the arms of the square, which openings conform to the various shapes useful in drafting work, and these openings have beveled edges. All of these features are old in the prior art, although no single square shows all of them present. Appellant appears to have searched the prior art and taken from the various devices the features which he deemed useful and incorporated them in a single structure. Obviously, unless there is some cooperative function, or unless some new result beyond the mere aggregative results of the assemblage is produced, there is nothing patentable in

what appellant has done. Rulers and drafting squares have, as a matter of common knowledge, long been constructed with beveled edges so as to prevent smearing of ink when used with a drafting pen. The patent to Needham and that to Nash disclose this feature of beveled edge. The patent to Scott, the patent to Schwetter, and that to Bluh et al disclose the feature of the apertures of various convenient shapes employed in a drafting instrument, and, clearly enough, they would either have their edges beveled, in practice, or there would be no invention in so constructing them. The patent to Crispin, as well as that to Demaurex, discloses the points at the ends of the arms cut away at the proper angle adopted by appellant. The patent to Schenck discloses the straight edges connected by a curve. As noted by appellant, this curve is for the purpose of permitting the sliding of the arm from one member of the square to the other. Clearly enough, if the arm were moved out of the way the curve could be used for the purposes employed by appellant. However, it is believed to be a feature requiring no inventive act to curve the connecting angle between the members of the square, if such is deemed desirable.

[2] There does not seem to be anything patentable in this assemblage of old features in a single instrument. Each feature performs its usual function unmodified by the presence or absence of the other features.

The decision of the Examiners in Chief is affirmed.

Commissioner's Decision.

EX PARTE BOWERS.

Decided May 7, 1925.

INVENTION—SUBSTITUTION OF EQUIVALENTS—ELECTRICAL AND MECHANICAL OPERATING MEANS.

Where it is old to move valves by rotating cams and also to move the same type of valves by solenoids, *Held* that there is no invention broadly in merely substituting in an old valve control the one means for the other.

(Note.—This application has resulted in Patent No. 1,465,387, August 21, 1923.)

APPEAL from the Examiners in Chief.

BOILER CLEANER.

Messrs. Whittemore, Hulbert, Whittemore & Belknap for the applicant.

KINNAN, First Assistant Commissioner.

Applicant appeals from the decision of the Examiners in Chief affirming the action of the Primary Examiner finally rejecting claims 1, 2, and 3. Claim 1 reads as follows:

1. In a boiler cleaner, the combination with a rotatable blower unit adapted to discharge steam jets or the like, a stationary supply pipe, a valve therein independent of the blower unit, mechanical connections between said unit and said valve, and means to operate said valve,

unit and connections to cause said valve to automatically supply steam or the like from said supply pipe to said unit while the jets are directed toward predetermined portions of the boiler.

Claim 2 differs from claim 1 only in specifying that the mechanical connections include a "cam," and claim 3 in specifying that the mechanical connections include a "rotary cam."

The references cited are: Storer, 258,500, May 23, 1882; Naylor, 425,792, May 30, 1899; Dock, 765,727, July 26, 1904; Worth, 1,029,410, June 11, 1912; Rosenzweig, 1,059,567, April 22, 1913; Dant-sizen, 1,158,029, October 26, 1915; Gold, 1,175,864, March 14, 1916; Marks, 1,178,170, April 4, 1916; Whitton, 1,238,608, August 28, 1917; Obenhaus, 1,288,968, December 24, 1918; Garland, 1,416,553, May 16, 1922.

The application discloses a boiler cleaner comprising a rotatable blower unit located among the water tubes and adapted to discharge jets of steam thereagainst, a stationary supply pipe for delivering steam to the blower, a valve located in the supply pipe, a gear mounted on the rotary blower and carrying a cam adapted to move the stem of the valve and so shaped that the valve is opened only during a part of the rotation of the blower unit.

The patent to Garland discloses a boiler cleaner of the same general type as applicant's in which the valve in the supply pipe is operated by a solenoid, the switch for opening and closing the circuit of the solenoid being carried by a shaft which also carries sprocket wheels connected by chains to sprocket wheels on the blower tubes, the arrangement being such that the solenoids are operated to open the supply valve only during a part of the rotation of the blower unit. This patent thus shows all that is called for by the appealed claims except the mechanical valve-operating means.

It is old, as appears from the other references cited, to move valves by rotating cams and also to move the same type of valves by solenoids. Broadly there is no invention in merely substituting in an old valve control the one means for the other. The appealed claims as drawn do not specify more than this substitution in Garland's apparatus.

Applicant, however, has provided a compact arrangement in which the mechanical connections form a part of the blower unit. This arrangement is not shown in or suggested by the patents cited. Claim 1, which specifies merely that there are mechanical connections between the unit and the valve, is too broad to be allowable. It would, however, properly define the invention which applicant has made if amended to read as follows:

In a boiler cleaner, the combination with a rotatable blower unit adapted to discharge steam jets or the like, a stationary supply pipe, a valve therein independent of the blower unit, mechanical connections forming a part of said unit and operating between said unit and said valve, and means to operate said unit and thereby the connections to operate said valve to automatically supply steam or the like from said supply pipe to said unit while the jets are directed toward predetermined portions of the boiler.

If an amendment containing this claim is presented within 40 days from the date hereof, the Examiner is authorized to enter and allow such claim.

The decision of the Examiners in Chief is affirmed.

Commissioner's Decision.

EX PARTE BUCHENBERG.

Decided May 20, 1924.

PRACTICE IN THE PATENT OFFICE—ACTION AFTER DECISION BY APPELLATE TRIBUNAL—RECOMMENDATION BY APPELLATE TRIBUNAL.

When an appeal is properly taken from a rejection by the Examiner, the latter should not take any action in the case after a decision by the Examiners in Chief, the Commissioner, or the Court of Appeals, D. C., so long as there remains in the case any rejected claim not found allowable by the appellate tribunal or so long as the applicant has not taken some action permitted by the rules, such as canceling all unpatentable claims, making an amendment suggested by the appellate tribunal, or the showing of fact responsive to the rejection by the Examiners in Chief, which would require further action on the part of the Examiner. (*Ex parte Comstock*, 317 O. G. 4, modified.)

ON PETITION.

ENGINE AND GENERATOR COOLING SYSTEM.

Mr. Chester H. Braselton for the applicant.

KINNAN, First Assistant Commissioner:

The applicant petitions that the Examiner be instructed to withdraw his holding of abandonment and enter a proposed amendment filed February 19, 1924, or, if the holding of abandonment is deemed proper, the case be revived under the provisions of rule 172.

The record shows that after three claims were finally rejected by the Primary Examiner an appeal was taken to the Examiners in Chief, who reversed the holding of the Examiner that the appealed claims were unpatentable over certain prior patents, but called attention to three new references and recommended rejection of the appealed claims upon such newly-cited patents. No further action upon the application was taken by either the Examiner or the applicant until more than a year after this decision of the Examiners in Chief. On February 1, 1924, two days after the expiration of the year, a letter from the applicant was received inquiring as to the status of the case and naively suggesting—

In view of the decision of the Examiners-in-Chief under date of January 30, 1923, it would appear that if there is no further rejection by the Office that an allowance of the case is in order.

Three days later, February 4, 1924, the Examiner notified the applicant his case stood abandoned, informing him also that—

under the second paragraph of rule 139, the recommendation for the rejection of certain claims contained in the decision to which applicant refers, stands as a rejection.

On February 20, 1924, applicant sought to amend by cancelling two of the claims which had been reviewed on appeal and presented an argument as to the patentability of the third. The Examiner refused to enter this proposed amendment and made final his holding of abandonment. He further set forth that rule 139, which states the recommendation of the Examiners in Chief will stand as a rejection, was—

Inconsistent with the applicant's contention that further prosecution should be initiated by an action of the Primary Examiner carrying into effect the recommendation of the Board.

Applicant contends, relative to the holding of abandonment, that it was the duty of the Examiner, after the decision of the Examiners in Chief was rendered, to have made an action in the case carrying into effect the recommendation of that tribunal and that since petitioner's delay in responding was due to his waiting for the Examiner to take such action the holding of abandonment is improper.

There seems to be some lack of uniformity among the Examiners in connection with decisions of appellate tribunals recommending new grounds for denial of patentability to appealed claims. Some Examiners after such decision on appeal enter a pro forma rejection, repeating substantially the reasons and grounds given by the appellate tribunal, while other Examiners take no further action until some appellate tribunal allows all the appealed claims or the applicant responds and cancels those denied patentability by the appellate tribunal. In *ex parte Shaw*, 129 O. G. 2857, the Commissioner directed the Examiner, in cases of recommendations of further grounds of rejection under rule 139, to enter a pro forma rejection. Subsequently, however, the rule was amended for the purpose of doing away with this unnecessary action by the Examiner.

Rule 139 sets forth—

the Examiners-in-Chief in their decision shall affirm or reverse the decision of the Primary Examiner only on the points on which appeal shall have been taken.

Obviously when the Examiner is affirmed there is no reason for his taking any further action in the case so long as the applicant has not responded to the decision of the Examiners in Chief.

This rule 139 states further—

should they discover any apparent grounds not involved in the appeal for granting or refusing Letters Patent in the form claimed, or any other form, they shall annex to their decision a statement to that effect with such recommendation as they shall deem proper.

This language suggests the necessity for a letter from the Examiner carrying out the directions or recommendations of the Examiners in Chief. The rule states still further, however,

should the Examiners-in-Chief recommend the refusal of Letters Patent in the form claimed, their recommendation will stand as a rejection and will reopen the case for amendment or showing of fact, or both, before the Primary Examiner, responsive to that rejection.

Since the applicant is notified, in the decision of the Examiners in Chief, of the new grounds or reasons for rejection as completely as the Examiner could furnish such grounds or reasons, to require the latter to enter a letter in the case merely to formally repeat what the appellate tribunal has already advised the applicant would be to place added and needless labor upon the Examiner and to unduly prolong the period defined in the statute in which response on the part of the applicant is necessary to avoid abandonment. It is believed better practice when an appeal is properly taken from a rejection by the Examiner for the latter not to enter any action in the case, after a decision by the Examiners in Chief, the Commissioner, or the Court of Appeals, D. C., so long as there remains in the case any rejected claim not found allowable by the appellate tribunal or the applicant has not taken some action permitted by the rules, such as

canceling all unpatentable claims, making an amendment suggested by the appellate tribunal, or the showing of fact responsive to the rejection by the Examiners in Chief, which would require further action on the part of the Examiner.

While, as noted in the decision in *ex parte Comstock*, 317 O. G. 4, the action of the Examiner in entering a rejection in accordance with the recommendation of the Examiners in Chief was approved, yet it was an unnecessary action, and for the reasons above noted such a practice should be discontinued.

Since there has been an evident misunderstanding on the part of the applicant as to this matter of the Examiner entering a formal letter of rejection and the proposed amendment is fully responsive, the delay in prosecution is held to have been unavoidable, and the petition to revive the application is granted.

Supreme Court of the United States.

KELLER AND LILLIE, DOING BUSINESS AS HARTFORD WINDSHIELD COMPANY, v. ADAMS-CAMPBELL CO., INC., GABEL, KIPPER, ET AL.

Decided April 7, 1924.

[264 U. S. 314.]

1. CERTIORARI—PATENT CASES.

An ordinary patent case, with the usual issues of invention, breadth of claims, and infringement, will not be brought here by certiorari unless it be necessary to reconcile decisions of the circuit courts of appeals on the same patent.

2. SAME—REISSUE—INTERVENING RIGHTS—NONINFRINGEMENT.

Certiorari granted under the impression that the case involved an important general question under Revised Statutes, section 4916, as to rights intervening between the issue and reissue of a patent, will be dismissed when it is found that the case was really disposed of by the lower courts upon the ground of non-infringement.

ON CERTIORARI to the Circuit Court of Appeals of the Ninth Circuit.

Mr. Wm. A. Loftus (with whom Mr. Chas. E. Townsend and Mr. Jas. E. Kelby were on the brief) for petitioners.

Mr. Ford W. Harris for respondents, submitted.

Mr. Chief Justice TART delivered the opinion of the Court.

This was a suit to enjoin the infringement of a patent for an improvement in auxiliary windshields for automobiles. It was brought on a reissued patent [No. 14,919]. The reissue was granted on the ground that the original patent [No. 1,284,357] was inoperative to protect the real invention due to defective and insufficient and too narrow claims, all of which arose through inadvertence and mistake due to misunderstanding between the inventor and his solicitor. The defect in his claims was alleged to have been called to his attention April 1, 1919, his application for reissue was filed May 22, 1919, six months and ten days after the granting of the original patent, and the patent for reissue was granted July 20, 1920.

A. F. Kipper, who was the active person among the defendants in designing and promoting the manufacture of the windshield, charged to be an infringement, was familiar with the device, the specifications and claims of Keller. He conceived of his device in December of 1918, made some models of it in February of 1919, and in association with one Dick Smith, got up some experimental dies and tools for its manufacture and sale in April and May of that year. Kipper was an employee of Adams-Campbell Company and that firm in August of 1919 made a contract with Kipper to go into the business of making and selling his product.

The suit for infringement was begun July 1, 1921. All the usual defenses were set up, including lack of invention, the invalidity of the reissue and noninfringement. There was only one expert witness produced by the plaintiff as to the originality and utility of the invention and the infringement by the respondent's device. His evidence was presented in an affidavit but he was tendered for cross-examination which the defendants below declined to pursue. No expert evidence was offered by defendants though they introduced a number of patents to show the state of the art.

The patent is for glass wings or auxiliaries secured in an adjustable manner to the main windshield of an automobile. Their principal object is thoroughly to prevent the creation of a draft through the vehicle body, and they are so mounted that they will not obstruct vision and will have a universality of movement on a double hinge such that they can be changed from their normal position of preventing a draft in cold or windy weather to a deflected position permitting varying degrees of draft desirable in hot weather. To avoid the necessity of a frame around the glass, and to hold it safely and firmly and avoid danger to occupants of the car from breakage and flying pieces of glass, a hollow rod extends lengthwise along the shield, and connects with, and spaces apart, clamp brackets along each end of the shield. The rod is attached at its middle to a double hinge joint giving the shield the universal movement already referred to, and having means firmly to lock it in any position. The real difference between the device as shown in the patent and the alleged infringement is in the method by which the glass is clamped. In the patent, the clamps operate on both sides of the ends of the glass, engaging its opposite surfaces. In the defendant's device, these clamps are brought nearer to the center of the shield member because they are held by perforations in the glass and do not need to reach over to the ends.

The district court dismissed the bill and the circuit court of appeals affirmed this decree. We granted certiorari upon the allegation of the petition, not denied by opposing counsel, that the sole question was whether one who makes and sells articles not covered by the claims of an original

patent, but embraced by the enlarged claims of a subsequent valid reissue, applied for within seven months after the original was granted, has intervening rights such that he is not only immune from liability for what he has made and sold, but enjoys an irrevocable and permanent license to continue to make and sell without restriction.

The extent of the operation of the estoppel creating intervening rights in such a case presents a question not free from difficulty. That a reissued patent enlarging claims of the original, although not specifically mentioned in section 4916 Revised Statutes, is authorized by that section, when the failure to claim the larger claims justified by the actual invention was due to inadvertence, accident or mistake, is settled by the decision of this Court in *Topliff v. Topliff*, 145 U. S. 156; 50 O. G. 1257, and other cases. That case also recognizes that one who, pending the application and granting of the reissue, manufactures and sells articles which infringe the reissued patent may be protected on principles of estoppel from the literal application of section 4916 Revised Statutes, which makes the operation of the reissue relate to the date of the original patent. In *Abercrombie & Fitch Company v. Baldwin*, 245 U. S. 198; 246 O. G. 567, a change in the reissue, of the language of an original claim made it cover not only a bent pipe as shown, but a straight pipe as well, where the substance of the invention included both, and it was held that the intervening rights of immunity of the infringer did not extend beyond the date of the reissue. It is insisted, however, that the Fitch case was not one of an enlarged claim, or at any rate that a reissue was unnecessary because the original claim would have sufficed. The views of the circuit courts of appeals on the general subject of the scope of intervening rights are not entirely easy to reconcile. *Crown Cork and Seal Company v. Aluminum Stopper Company*, 108 Fed. 845; 96 O. G. 2573; *General Electric Company v. Railway Company*, 178 Fed. 84; *A. D. Howe Mach. Co. v. Coffield Motor Washer Co.*, 197 Fed. 541; *Autopiano Company v. American Player Action Company*, 222 Fed. 276; 217 O. G. 1055; *American Automotoneer Company v. Porter*, 232 Fed. 456. The question, if it were really before us, would be one sufficiently important therefore to justify our consideration of it on certiorari.

Both the district court and the circuit court of appeals in their final disposition of the case gave color of support to the claim of the petitioner that the question of intervening rights was in this case.

The district judge in dismissing the bill said:

Without further discussion, I think the defendants occupy the position of one who has intervening rights and under those circumstances I think the plaintiffs are not entitled to a reissue of the patent as against the defendants.

So the circuit court of appeals after reciting the evidence showing that the defendants had made the shields in question and built the machinery for future manufacture before the patentee applied for reissue and after being advised by coun-

sel that they would not infringe the original patent, said:

We, therefore, think it clear that the appellees had and have such intervening rights as were properly protected by the court below.

Yet an analysis of the record and the reasons given in the body of the opinions of the two courts leads to a different conclusion. The district court said of the alleged infringing device:

The defendants' bracket is an invention. It is a surprise to me that that which the defendants did could be done. The bracket will fit any glass. It is shorter and does not obstruct the view. . . . The defendants' bracket is not an equivalent of the bracket in plaintiffs' original patent, because it does not perform the same functions in the same way, but it performs the function of holding the glass in an entirely different way.

So the circuit court of appeals said:

That there is nothing of a pioneer nature in Keller's device is abundantly shown by the numerous exhibits appearing in the record of windshields and deflectors, of one kind or another, attached to automobiles, long before Keller entered the field. Both his drawings and specifications show that his shield is attached to the machine by brackets that run up and down the glass, holding it at the top and bottom, whereas the appellee's device holds the glass by means of a fixture attached to the face of the glass and which does not extend to either of its ends.

That for one device to be the equivalent of another it is essential that the former must perform the same function of the latter in substantially the same way is thoroughly settled law.

[1, 2] These passages read in connection with the original and reissued patents and the alleged infringement show that what the courts really held was that the defendants were manufacturing a different invention from that of the plaintiffs, and so could not and did not infringe. Such an ordinary patent case with the usual issues of invention, breadth of claims and noninfringement, this Court will not bring here by certiorari unless it be necessary to reconcile decisions of the circuit courts of appeal on the same patent. We therefore find ourselves mistaken in assuming that an important issue of general patent law under section 4916 Revised Statutes is here involved. The result is that an order must be entered dismissing the writ of certiorari as improvidently granted at the costs of the petitioner. *Layne & Bowler Corporation v. Western Well Works, Inc.*, 261 U. S. 387; 314 O. G. 177; *Furness, Withy & Company v. Yang-Tsze Insurance Association*, 242 U. S. 430; *United States v. Rimer*, 220 U. S. 547.

Writ dismissed.

Supreme Court of the United States.

WEBSTER ELECTRIC COMPANY V. SPLITDORF ELECTRICAL COMPANY.

Decided April 7, 1924.

1. LACHES—DELAY IN PRESENTING BROADENED CLAIMS AFTER UNFAVORABLE DECISION IN INTERFERENCE WITH A PATENT.

Where K. filed a divisional application presenting additional claims, some of which were copied from P.'s patent and some from a reissue thereof, all of which were ultimately decided in favor of P., and K. thereafter, eight years and four months after the filing of his original application and five years after the date of P.'s original patent disclosing the invention, presented to the Patent Office new and broader claims in his divisional application which he did not originally intend

to assert because he considered their subject matter devoid of invention, where during all this time their subject matter was disclosed and in general use, and where the subject matter is not complicated, Held that the delay was unreasonable and constituted laches.

2. EQUITABLE ESTOPPEL OR LACHES—CLAIMS OF PATENT COVERED BY CLAIMS OF DIVISIONAL BUT NOT BY CLAIMS OF PARENT APPLICATION—CHAPMAN V. WINTROATH EXPLAINED.

Chapman v. Wintroath, 272 O. G. 913, is not to be so narrowly construed as to fix the period during which a divisional application must be filed within two years from the allowance and publication of a patent covering the same claims where the invention was disclosed in the parent application, but not covered by the claims thereof.

3. SAME—INTERVENING RIGHTS—TWO-YEAR TIME LIMIT—DIVISIONAL APPLICATIONS.

In cases involving laches, equitable estoppel, or intervening private or public rights the two-year time limit prima facie applies to divisional applications and can only be avoided by proof of special circumstances justifying a longer delay.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.

Mr. Albert G. McCaleb, Mr. Lynn A. Williams, and Mr. H. B. Moses for the petitioner.

Mr. Charles L. Sturtevant (with whom Mr. Eugene G. Mason, Mr. David B. Gann, and Mr. Ballard Moore were on the brief) for the respondent.

Mr. Edwin J. Prindle, by leave of Court, filed a brief as amicus curiae.

Mr. Justice SUTHERLAND delivered the opinion of the Court.

This writ brings up for review the decree of the court below in a patent suit, 283 Fed. Rep. 83; 316 O. G. 233, reversing a decree of the Federal District Court for the Northern District of Illinois, 255 Fed. Rep. 907, and directing a dismissal of the bill. Three patents were involved. The decision in respect of two of them turned upon the question whether a license contract between the patentees, Henry and Emil Podlesak, and petitioner, had the effect of precluding an assignment of patent rights made by the Podlesaks to respondent. But the petition upon which the writ was granted challenged the decision below only in respect of the third patent; and we are not called upon to consider the contentions now advanced as to the others. *Alice State Bank v. Houston Pasture Co.*, 247 U. S. 240, 242.

The bill alleges that the Spltdorf Electrical Company had infringed claims 7 and 8 of Kane patent 1,280,105, issued September 24, 1918, for a rigid unitary and integral support for mounting the various parts of an electrical ignition device. The original application was filed by Kane February 2, 1910, on which Patent No. 1,204,573 was granted November 14, 1916. On October 24, 1914, Kane endeavored to amend his application by introducing six claims copied from Milton's patent, issued May 12, 1914, for the purpose of securing an interference. The amendment was refused and Kane was directed by the Examiner to file a divisional application if he desired to contest an interference with Milton. This was done. The

Webster Company, however, acquired the rights of both Milton and Kane and through their attorneys conducted the proceedings for both sides in the Patent Office, resulting in an award of priority in favor of Kane.

On January 14, 1915, Kane filed a divisional application, presenting nine additional claims, copied from Podlesak's Patent No. 1,055,076, issued March 4, 1913, and Reissue Patent No. 13,878, dated February 9, 1915; all of which claims were ultimately decided in favor of the Podlesaks. Thereafter, on June 17, 1918, an amendment was filed embracing the new and broader claims here in question, which were allowed upon an ex parte showing and, as already stated, patent issued September 24, 1918, to the petitioner, to whom all rights had been assigned. The original bill was filed in 1915; and claims 7 and 8 were brought into the suit by a supplemental bill filed October 25, 1918.

[1] It will thus be seen that claims 7 and 8 were for the first time presented to the Patent Office, by an amendment to a divisional application eight years and four months after the filing of the original application, five years after the date of the original Podlesak patent, disclosing the subject matter, and three years after the commencement of the present suit. A comparison of these claims, as set forth in the patent, with the claims in the original application, to say the least, leaves in doubt the question whether they were not so materially enlarged as to preclude their allowance on the original application. *Railway Company v. Sayles*, 97 U. S. 554, 563; 16 O. G. 273; *Hobbs v. Beach*, 180 U. S. 383, 396; 94 O. G. 2357; *Dunham v. Dennison Manufacturing Co.*, 154 U. S. 103, 110; 67 O. G. 1571; *Michigan Cent. R. Co. v. Consolidated Car-Heating Co.*, 67 Fed. Rep. 121, 126; 71 O. G. 1028. But this aside, the evidence establishes to our satisfaction that Kane did not originally intend to assert these amended claims, because he considered their subject matter one merely of design and not of invention; and the inference is fully warranted that the intention to do so was not entertained prior to 1918. During all of this time their subject matter was disclosed and in general use; and Kane and his assignee, so far as claims 7 and 8 are concerned, simply stood by and awaited developments. We are not here dealing, therefore, with the simple case of a division of a single application for several independent inventions. Patent Office rules 41 and 42; *Bennet v. Fowler*, 8 Wall. 445, 448; *American Laundry Machinery Co. v. Prosperity Company, Inc.*, 295 Fed. Rep. 819; 325 O. G. 703, but with a case of unreasonable delay and neglect on the part of the applicant and his assignee in bringing forward claims broader than those originally sought. The repeated assertion of interferences in narrower terms, resulting in delays incident to their determination, affords no just excuse for the failure to assert the broader claims, 7 and 8, at an earlier date. The subject matter of these claims is not of such complicated character that it might not have been readily described in the original

application or in one of the subsequent applications—in 1915, for example,—as it was described in 1918; and the long delay of Kane and his assignee in coming to the point tends strongly to confirm the view that the final determination to do so was an exigent afterthought, rather than a logical development of the original application. We have no hesitation in saying that the delay was unreasonable, and, under the circumstances shown by the record, constitutes laches, by which the petitioner lost whatever rights it might otherwise have been entitled to.

We do not overlook the importance of not applying so narrowly the patent law as to discourage the inventor from exercising his creative genius, or the manufacturer or capitalist from assisting in the necessary work of bringing the invention into beneficial use; but it is no less important that the law shall not be so loosely construed and enforced as to subvert its limitations, and bring about an undue extension of the patent monopoly against private and public rights. In suits to enforce reissue patents, the settled rule of this court is that a delay for two years or more will—

invalidate the reissue, unless the delay is accounted for and excused by special circumstances, which show it to have been not unreasonable. *Wollensak v. Reiher*, 115 U. S. 96, 101; 31 O. G. 1301.

In that case it appeared that the reissue patent was issued to complainant December 26, 1882, upon the surrender of the original patent of March 10, 1874. The Patent Office decided that because of special circumstances the applicant was not guilty of laches; but this Court held otherwise. The claims alleged to have been infringed were expansions of the original claims as embraced within the invention set forth in the original patent. This Court (pp. 99-100) said:

It follows from this, that if, at the date of the issue of the original patent, the patentee had been conscious of the nature and extent of his invention, an inspection of the patent when issued, and an examination of its terms, made with that reasonable degree of care which is habitual to and expected of men, in the management of their own interests, in the ordinary affairs of life, would have immediately informed him that the patent had failed fully to cover the area of his invention. And this must be deemed to be notice to him of the fact, for the law imputes knowledge when opportunity and interest, combined with reasonable care, would necessarily impart it. Not to improve such opportunity, under the stimulus of self-interest, with reasonable diligence, constitutes laches which in equity disables the party, who seeks to revive a right which he has allowed to lie unclaimed, from enforcing it to the detriment of those who have, in consequence, been led to act as though it were abandoned.

This general doctrine of equity was applied with great distinctness to the correction of alleged mistakes in patents by reissues. In the case of *Miller v. Brass Company*, 104 U. S. 350; 21 O. G. 201. It was there declared, that where the mistake suggested was merely that the claim was not as broad as it might have been, it was apparent upon the first inspection of the patent, and, if any correction was desired, it should have been applied for immediately; that the granting of a reissue for such a purpose, after an unreasonable delay, is clearly an abuse of the power to grant reissues, and may justly be declared illegal and void; that, in reference to reissues made for the purpose of enlarging the scope of the patent, the rule of laches should be strictly applied, and no one should be relieved who has slept upon his rights, and has thus led the public to rely on the implied disclaimer involved in the terms of the original patent; and that when this is a matter apparent on the face of the instrument, upon a mere comparison of the original patent with the reissue, it is competent for the courts to decide whether the delay was unreasonable and whether the reissue was, therefore, contrary to law and void.

This doctrine has been reiterated in many cases since, and at the present term has been reconsidered and emphatically repeated as the settled law, in the case of

Mahn v. Harwood, 112 U. S. 354; 30 O. G. 657, where it is said, by Mr. Justice Bradley, delivering the opinion of the court: "We repeat, then, if a patentee has not claimed as much as he is entitled to claim, he is bound to discover the defect in a reasonable time, or he loses all right to a reissue; and if the Commissioner of Patents, after the lapse of such reasonable time, undertakes to grant a reissue for the purpose of correcting the supposed mistake, he exceeds his power, and acts under a mistaken view of the law; and the court, seeing this, has a right, and it is its duty, to declare the reissue pro tanto void, in any suit founded upon it." It was also there said, that, while no invariable rule can be laid down as to what is reasonable time within which the patentee should seek for the correction of a claim which he considers too narrow, a delay of two years, by analogy to the law of public use before an application for a patent, should be construed equally favorable to the public, and that excuse for any longer delay than that should be made manifest by the special circumstances of the case.

In *Ives v. Sargent*, 119 U. S. 652, 661; 38 O. G. 781, the duty of the patentee to examine his Letters Patent within a reasonable time to ascertain whether the latter fully covered his invention was reiterated. And where this was neglected for a period of three years, when, finding the real invention had been infringed but without infringing the patent as originally granted, an application for a reissue was made and allowed, it was held that the patentee was guilty of laches and the reissue came too late. The doctrine of *Wollensak v. Reiher* was restated (p. 662) to the effect that while no invariable rule can be laid down, a delay of two years, by analogy to the law of public use before an application for a patent, will be fatal unless excuse for a longer delay shall be made manifest by the special circumstances of the case. See also *Topliff v. Topliff and Another*, 145 U. S. 156; 59 O. G. 1257; *Wollensak v. Sargent*, 151 U. S. 221.

[2] While the analogy between the case of a reissue patent and that of copying for interference is not always an exact one, it is sufficiently so, as applied to the present case, to make these decisions pertinent; and the principle which they announce is controlling. We brought this case here by certiorari because of the claim that the decision of the court of appeals rested primarily on *Chapman v. Wintroath*, 252 U. S. 126; 272 O. G. 913; and the contention was that the opinion there had been misunderstood and misapplied.* The question as thus presented, was important and one which it was thought should be authoritatively determined. The court below finally put its decision substantially on the ground which we have stated as the basis of our conclusion. But before doing so, it said (283 Fed. Rep. 93):

Appellants contend, however, and we agree with the courts that have passed upon the question, that the effect of the holding [in the *Wintroath* case] is to fix the period during which such application must be filed at two years from the date of the issuance of the other patent. No other deduction can fairly or logically be drawn from the discussion of the question in that opinion.

But *Chapman v. Wintroath* is not to be so narrowly construed. The facts of the case were: The Chapmans filed their application in 1909. The invention was a complicated one and the application met with much difficulty in the Patent Office, and, though regularly prosecuted, no patent had been issued in 1915 when the controversy arose. *Wintroath* filed an application in 1912. His invention was also elaborate and intricate. Twenty months after this latter application, the Chapmans filed a divisional application in which the claims of the *Wintroath* patent were copied and an interference was declared. The Examiner without hearing evidence, entered judgment in favor of *Wintroath* on the ground that the failure of the Chapmans to present the interference issue for more than a

* See also *American Laundry Machinery Co. et al. v. Prosperity Co., Inc.*, 204 Fed. Rep. 144; reversed by a decision of the circuit court of appeals for the second circuit, cited supra.

year after the date of the *Wintroath* patent constituted laches, and that they were estopped. This decision was reversed by the Commissioner of Patents, and his decision, in turn, was reversed by the Court of Appeals of the District of Columbia, that court holding that the one year period should apply, on the ground that the divisional application was to be regarded substantially as an amendment to the parent application, and that it would be inequitable to permit a longer time than that allowed by Revised Statutes 4894 for further prosecution of an application after Office action. This Court, in reversing the decision of the court of appeals, referred to section 4886, as amended, March 3, 1897, chapter 391, 29 Stat. 692, and sections 4887, 4897, and 4920 of the Revised Statutes, all of which contain provisions for a time limit of two years for filing applications, and said (p. 136):

Thus through all of these statutes runs the time limit of two years for the filing of an application, there is no modification in any of them of the like provisions in Rev. Stats. 4886, as amended, and no distinction is made between an original and a later or a divisional application, with respect to this filing right.

If this were all, it might justify the conclusion that a hard and fast time limit of two years is to be applied in every case of a divisional application. But a reading of the entire opinion demonstrates that this conclusion is erroneous. The court proceeds to say that divisional applications are not to be dealt with in a hostile spirit, but are to be—

favoured to the extent that where an invention clearly disclosed in an application . . . is not claimed therein but is subsequently claimed in another application, the original will be deemed a constructive reduction of the invention to practice and the later one will be given the filing date of the earlier, with all its priority of right.

Reference is made to *Wollensak v. Reiher* supra, and other reissue cases, which, as we have seen, adopt the two-year time limit by analogy to the law of public use before application for patent; and, while it is not said in terms, the plain import of the citation of and reliance upon these cases is that the effect of the two years' delay, as recognized in those cases, may be overcome where it "is accounted for and excused by special circumstances which show it to have been not unreasonable;" and, properly understood, there is nothing in the opinion to the contrary.

[3] Our conclusion, therefore, is that in cases involving laches, equitable estoppel or intervening private or public rights, the two-year time limit prima facie applies to divisional applications and can only be avoided by proof of special circumstances justifying a longer delay. In other words, we follow in that respect the analogy furnished by the patent reissue cases.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

958,478, W. E. Davey, Process of reinforcing trees, suits filed Sept. 8, 1924, D. C., N. D. N. Y., Doc. 528, *The Davey Tree Expert Co. v. C. Week*. Same, Doc. 529, *The Davey Tree Expert Co. v. W. M. Drew*. Same, suit filed Sept. 9, 1924, D. C., S. D. Ill., (N. Div.), Doc. 297, *The Davey Tree Expert Co. v. F. P. Zinn*.

1,004,505, A. V. L. Verneuil, Synthetic sapphire, final consent decree sustaining patent, adjudging infringement, and granting injunction filed Sept. 3, 1924, D. C., S. D. N. Y., Doc. E. 30/1, *L. Heller & Son, Inc. v. C. Chaunard*. Same, decree filed Sept. 10, 1924, D. C., S. D. N. Y., Doc. E. 29/401, *L. Heller & Son, Inc. v. G. A. Veck, Inc.*

1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Aug. 25, 1924, D. C., E. D. N. Y., Doc. 1838, *Westinghouse Electric & Mfg. Co. et al. v. Royal Eastern Electrical Supply Co.*

1,123,920, A. Pollak, Process of promoting acid fermentation, suit filed Sept. 3, 1924, D. C., S. D. N. Y., Doc. E 30/135, *The Fleischmann Yeast Co. v. Liberty Yeast Co.*

1,126,797, N. Lichter, Fan, suit filed Sept. 5, 1924, D. C., S. D. N. Y., Doc. E 30/139, *M. Lichter v. F. Matranga.*

1,148,328, Kohman, Hoffman & Godfrey, Manufacture of bread, suit filed Oct. 17, 1921, D. C., M. D. Pa., *Ward Baking Co. v. Hazleton Baking Co.* Permanent injunction issued against Hazleton Baking Co. granted Aug. 28, 1924.

1,149,580, Hofmann & Gottlob, New caoutchouc substance and vulcanization products thereof, suit filed Sept. 3, 1924, D. C., S. D. N. Y., Doc. E 30/134, *The Grasselli Chemical Co. v. Hayden Chemical Co.*

1,172,173, T. B. Shryock, Timer for internal-combustion engine, suit filed Aug. 22, 1924, D. C., E. D. N. Y., Doc. 1836, *E. D. Turner v. F. C. Spinner et al. (Cook Commutator Co.).*

1,173,079, E. F. W. Alexanderson, Selective tuning system, suit filed Aug. 19, 1924, D. C., E. D. N. Y., Doc. 1835, *Radio Corp. of America et al. v. Pathe Phonograph & Radio Corp.*

1,234,109, J. Alberti, Process of manufacturing bottle closures; 1,234,711, same, Closure for receptacles, appeal filed Aug. 7, 1924, C. C. A. (2d Cir.), Doc. 8427, *International Cork Co. v. New Process Cork Co., Inc.*

1,234,711. (See 1,234,109.)

1,262,860, 1,263,138, S. B. Smith, Incubator, suit filed Sept. 2, 1924, D. C., W. D. Mo., Doc. 555, *The Buckeye Incubator Co. et al. v. E. L. Rusk et al.*

1,263,138. (See 1,262,860.)

1,286,355, S. Laitman, Traveling bag, suit filed Sept. 10, 1924, D. C., S. D. N. Y., Doc. E 30/144, *S. Laitman v. Weingarten & Gerber.*

1,313,232, E. O. Speckerman, Hair-waving means and process of producing same; 1,425,956, E. O. Fredericks, Hair-waving means, appeal filed Aug. 11, 1924, C. C. A. (2d Cir.), Doc. 8430, *E. Fredericks, Inc., v. Eugene, Ltd.*

1,355,074, D. P. Cleveland, Process of removing surface finish, suit filed Feb. 14, 1923, D. C., S. D. Calif. (S. Div.), Doc. E G-72, *Bergfeld & Cleveland et al. v. B. A. Anderson et al.* Aug. 14, 1924, decree dismissing bill for want of prosecution.

1,390,135, C. C. Jantzen, Bathing suit, suit filed Sept. 6, 1924, D. C., S. D. N. Y., Doc. E 30/140, *Jantzen Knitting Mills v. Augstein et al. (S. Augstein & Co.).*

1,425,956. (See 1,313,232.)

1,434,221, W. Pelrez, Gutter hanger, suit filed Sept. 8, 1924, D. C., S. D. N. Y., Doc. E 30/141, *M. Rachlin et al. (Rackland Sheet Metal Works) v. J. Watsky et al. (Hillcrest Roofing & Tinsmithing Supply Co.).*

1,437,324, A. H. Tashjian, Combined conduits, junction and outlet boxes, suit filed Sept. 2, 1924, D. C., N. D. Calif., Doc. E 1336, *A. H. Tashjian et al. v. Fordeier Cornice Works.*

1,454,968, M. Higuchi, Amusement apparatus, suit filed Aug. 14, 1924, D. C., E. D. N. Y., Doc. 1833, *M. Higuchi v. E. Norberg (The Base Ball Co.).*

1,479,497, D. A. Cutler, Process of attaching rubber soles to boots and shoes, suit filed Aug. 24, 1924, D. C., E. D. N. Y., Doc. 1839, *Alfred Hale Rubber Co. v. Moroe & Burt Co. et al.*

1,483,269, Barker & Reed, Advertising apparatus, suit filed June 10, 1924, D. C., S. D. N. Y., Doc. E 29/274, *M. Adair v. Peerless Frame & Moulding Co.* Final consent decree sustaining patent, adjudging infringement, and granting injunction filed Sept. 3, 1924.

Re. 15,381, D. F. Curtin, Blank for paper cups, appeal filed July 31, 1924, C. C. A. (2d Cir.), Doc. 8423, *Vortex Mfg. Co. v. F. N. Burt Co., Ltd.*

Notices of Cancellation.

U. S. PATENT OFFICE, Washington, Sept. 17, 1924.

Ernest T. Wix, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Dae Health Laboratories, Inc., 113 West Eighteenth Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Ernest T. Wix, 1212 Pierce Street, Sioux City, Iowa, doing business as Wixated Iron Co., No. 179,169, dated February 5, 1924, and the notice of such proceeding sent by registered mail to the said Wix at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Wix, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 1, 1924.

The K-O Shoe Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Dunlap & Co., 431 Fifth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of The Alter & McCaffrey Co., of Cincinnati, Ohio, No. 42,288, dated March 29, 1904. The Office records show that the legal title of the above trade-mark registration remains in The K-O Shoe Company, as said registration was never properly assigned by it. The K-O Shoe Company having gone out of business and the Office not being able to secure service upon said company, notice is hereby given that unless The K-O Shoe Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. The notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 1, 1924.

The K-O Shoe Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Dunlap & Co., 431 Fifth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of The Alter & McCaffrey Co., of Cincinnati, Ohio, No. 57,347, dated November 13, 1906. The Office records show that the legal title of the above trade-mark registration remains in The K-O Shoe Company, as said registration was never properly assigned by it. The K-O Shoe Company having gone out of business and the Office not being able to secure service upon said company, notice is hereby given that unless The K-O Shoe Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. The notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 14, 1924.

[Vol. 327. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 153,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM B. ENGLE, Seattle, Wash. Filed Oct. 3, 1921.

Fruitnutchu
Nature's Food-Confection

The words "Nature's Food Confection" are disclaimed. Particular description of goods.—Dried-Fruit and Nut Combination.

Claims use since Sept. 5, 1921.

Ser. No. 159,529. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENNSYLVANIA CHOCOLATE COMPANY, Pittsburgh, Pa. Filed Feb. 18, 1922.

POLO

Particular description of goods.—Chocolate, Chocolate Coating, Chocolate Liquor, and Milk-Chocolate Coatings and Liquors.

Claims use since about June 20, 1906.

Ser. No. 164,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. A. FREY & SONS, INC., New Orleans, La. Filed May 26, 1922.

L. A. FREY & SONS
FAVORITE

Particular description of goods.—Ham, Bacon, and Sausage.

Claims use since Feb. 1, 1909.

Ser. No. 174,863. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ROTARY MACHINE & ENGINEERING CO., Cleveland, Ohio. Filed Jan. 20, 1923.

ROMEC

Particular description of goods.—Pumps for Air or Liquids.

Claims use since June, 1920.

Ser. No. 175,122. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WM. & CHAS. BECK, INC., Lawrence, Mass. Filed Jan. 26, 1923.

UNION

Particular description of goods.—Linen Fire Hose. Claims use since 1902.

Ser. No. 178,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REUBEN'S PURE FOOD SHOP, INC., New York, N. Y. Filed Apr. 9, 1923.

REUBEN'S
THAT'S ALL
Reubens
THAT'S ALL

The ruled lines appearing on the trade-mark are shading.

Particular description of goods.—Nuts—Namely, Roasted and Roasted and Salted; Salads—Namely, Meat, Vegetable, and Fruit Salads; Sandwiches—Namely, Cheese, Fish, Meat, Vegetable, and Meat and Vegetable Sandwiches.

Claims use since May, 1921.

Ser. No. 181,583. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARNESTO PAINT CO. INC., New York, N. Y. Filed June 6, 1923.



The words "Paint" and "Flat" are disclaimed apart from the trade-mark as shown in the drawing.

Particular description of goods.—Ready-Mixed Paints for Marine and House Used for Interior and Exterior Surface.

Claims use since about Apr. 1, 1923.

Ser. No. 181,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOCTOR AND BLUE, Ottawa, Ohio. Filed June 12, 1923.



Particular description of goods.—Cough Sirup.
Claims use since Mar. 1, 1926.

Ser. No. 182,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE M. ROGERSON, Chicago, Ill. Filed July 2, 1923.



Trade-mark is a facsimile of my business name written in my own handwriting.

Particular description of goods.—Bread.
Claims use since June 19, 1923.

Ser. No. 183,644. (CLASS 15. OILS AND GREASES.) CAPSTONE MANUFACTURING CO., Newark, N. J. Filed July 25, 1923.

DURA-LUBE

Particular description of goods.—Lubricating Oils.
Claims use since Dec. 1, 1920.

Ser. No. 183,788. (CLASS 38. PRINTS AND PUBLICATIONS.) AHNENS PUBLISHING COMPANY, INC., New York, N. Y. Filed July 28, 1923.

FOOD SERVICE

Particular description of goods.—Monthly Publications.

Claims use since July 1, 1923.

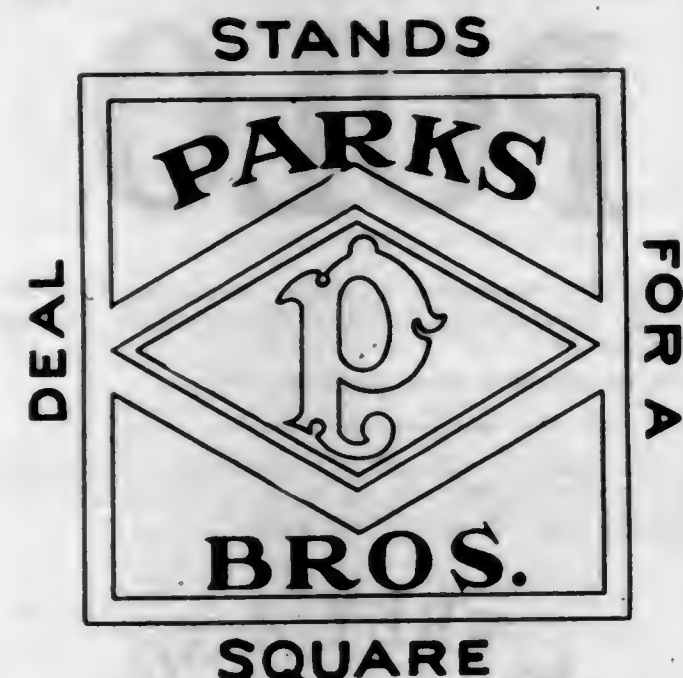
Ser. No. 185,902. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LOCKE AND GREEN, Portland, Ore. Filed Sept. 18, 1923.



No claim is made to the word "Stain" apart from the mark shown on the drawing.

Particular description of goods.—Stain Cover.
Claims use since Aug. 24, 1923.

Ser. No. 185,906. (CLASS 15. OILS AND GREASES.) PARK BROS. INC., Portland, Ore. Filed Sept. 18, 1923.



The words "Stands for a Square Deal" being descriptive applicant hereby disclaims the same apart from the mark shown in the drawing.

Particular description of goods.—Axle Grease, Cup Grease, Transmission Grease, Lubricating Oils Designated as Red Engine Oil, Hand-Separator Oil, Harvester Oil, Ford Special Motor Oil, Steam-Cylinder Oil, Square-Deal Motor Oil, Summer Black Oil, and Transmission Oil.
Claims use since Mar. 15, 1920.

Ser. No. 186,260. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FREDERICK C. WESTFALL, Buffalo, N. Y. Filed Sept. 26, 1923.

Wes-Kleen

Particular description of goods.—Laundry and General-Cleaning Preparations.

Claims use since June 1, 1923.

Ser. No. 188,901. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GREAT NORTHERN MANUFACTURING COMPANY, Minneapolis, Minn. Filed Nov. 26, 1923.



No claim is made to the word "Toys" apart from the mark as shown in the drawing, no common-law rights, however, being waived.

Particular description of goods.—Toy Motor Cycles, Scooters, Wagons, and Cars.

Claims use since on or about Sept. 1, 1922.

Ser. No. 189,187. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Dec. 1, 1923.

TUXEDO

Particular description of goods.—Rubber Tires for Vehicles.

Claims use since Oct. 30, 1923.

Ser. No. 189,302. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, Bridgeport, Conn. Filed Dec. 6, 1923.



Particular description of goods.—Phonograph Apparatus for Recording and Reproducing Sounds—Namely, Sound-Recording Machines and Reproducing Phonographs, Automatic Musical Instruments of the Character Known as Multiple Playing Phonographs; Parts for Such Phonographs, Recording Machines, and Automatic Musical Instruments; Also the Following Accessories Therefor—Namely, Needles, Stop Mechanisms, Mechanical Phonograph Motors, Reproducers, Recorders, Diaphragms, Needle Cups, Horns, and Tone-Arms; Phonograph Records, Both Recording and Reproducing; Envelopes and Albums.

Claims use since on or about Oct. 10, 1923.

Ser. No. 189,549. (CLASS 17. TOBACCO PRODUCTS.) BATT BROTHERS, New York, N. Y. Filed Dec. 12, 1923.



Particular description of goods.—Cigarettes.
Claims use since Sept. 1, 1923.

Ser. No. 190,296. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUSTON DRUG CO., Houston, Tex. Filed Dec. 31, 1923.



No claim is made to the exclusive use of the expression "Qualified Products" except as the same appears in connection with other features of the mark shown in the accompanying drawing.

Particular description of goods.—Boracic Acid, Oxalic Acid, Salicylic Acid, Lump Alum, Powdered Alum, Blue-stone, Powdered Borax, Copperas, Cream of Tartar, Epsom Salts, Flaxseed, Flaxseed Meal, Naphthalene Balls, Rochelle Salts, Saltpeter Refined, Saltpeter Granulated, Senna Leaves, Bicarbonate Soda, Sodium Fluoride, Sulphur Flowers, Carbolic Acid, Balsam Copaiba, Oil Hyoscyamus Compound (Balm Tranquille), Bay Rum, Camphorated Oil, Cascara Sagrada Aromatic, Chloroform, Mistura Magnesia and Asafetida (Dewees' Carminative), Glycerin, Milk of Magnesia, Castor Oil, Paregoric, Spirits Ammonia Aromatic, Spirits Camphor, Sweet Spirits Niter (Nitrous Ether), Spirits of Peppermint, Tincture Iron, Tincture Iodine, Witch-Hazel, White Pine and Tar Compound, Prickly-Heat Powder, Rose Hair Oil, Mosquito Lotion, and Tincture of Arnica.

Claims use since Oct. 20, 1921.

Ser. No. 190,349. (CLASS 39. CLOTHING.) MAIDWELL BRASSIERE COMPANY, New York, N. Y. Filed Jan. 2, 1924.



No claim is made to the word "Brassiere" apart from the mark shown on the drawing.

Particular description of goods.—Brassieres and Bandeaux.

Claims use since April, 1921.

Ser. No. 191,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Jan. 21, 1924.



The words "Washburn Crosby Co." and "Wheat Shorts" appearing on the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Stock Feed.

Claims use since July 6, 1923.

Ser. No. 191,370. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) H. B. DAVIS COMPANY, Baltimore, Md. Filed Jan. 28, 1924.



Particular description of goods.—Ready-Mixed Paints in Gloss, Semigloss, and Flat Finish.

Claims use since about Oct. 18, 1911.

Ser. No. 191,474. (CLASS 15. OILS AND GREASES.) COLUMBIA WAX WORKS, Woodhaven, N. Y. Filed Jan. 30, 1924.

ANTILLE

Particular description of goods.—Wax Candles.

Claims use since April, 1923.

Ser. No. 192,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BETTMAN NUT CO., INC., New York, N. Y. Filed Feb. 9, 1924.



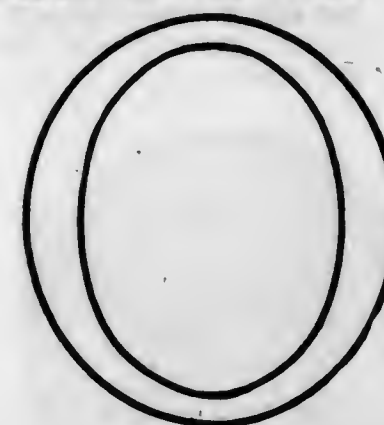
No exclusive use is made of the words "Brand," "Nuts" and "Are Better" except in the form and association shown.

Particular description of goods.—Nuts—Namely, Salted Nuts, Canned Nuts, and Nut Meat.

Claims use since 1919.

Ser. No. 192,417. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLYMPIA CANNING COMPANY, Olympia, Wash. Filed Feb. 16, 1924.

CLASS A



Particular description of goods.—Canned Fruits.

Claims use since April, 1912.

Ser. No. 192,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC SEA PRODUCTS CO., Brunswick, Ga. Filed Feb. 21, 1924.

SUNRISE

Particular description of goods.—Canned Shrimp and Oysters.

Claims use since Feb. 5, 1924.

Ser. No. 193,224. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex. Filed Mar. 4, 1924.

"THE HOUSE OF A MILLION PARTS"

Particular description of goods.—Piston Rings, Rubber Hose, Rubber Automobile Tires, Rubber Patches, Inner Tubes, and Rubber, Asbestos, and Felt Packing.

Claims use since July 9, 1919.

Ser. No. 193,226. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex. Filed Mar. 4, 1924.

The House of a Million Parts.

Particular description of goods.—Lugs, Lug Bolts, and Pipe Valves.

Claims use since July 9, 1919.

Ser. No. 193,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Mar. 13, 1924.

GREEN VALLEY

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, and Canned Fish.

Claims use since 1900.

Ser. No. 194,243. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AVERILL MANUFACTURING CORPORATION, New York, N. Y. Filed Mar. 22, 1924.



Particular description of goods.—Dolls.

Claims use since about Feb. 1, 1924.

Ser. No. 194,315. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENES O. VON DANCZ, doing business as National Drug Distributing Syndicate, Brooklyn, N. Y. Filed Mar. 22, 1924.

PEDIN

Particular description of goods.—Antiseptic and Germicide Foot Salve and Foot Remedies.
Claims use since Mar. 20, 1924.

Ser. No. 194,946. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE RAPID BOTTLE WASHER COMPANY, Delphos, Ohio. Filed Apr. 3, 1924.

A.B.C

Particular description of goods.—Bottle-Washing Machines.
Claims use since 1923.

Ser. No. 194,962. (CLASS 15. OILS AND GREASES.) VIKING OIL PRODUCTS COMPANY, Charleston, W. Va. Filed Apr. 3, 1924.

**WILDCAT
GASOLINE**

No claim is made to the word "Gasoline" aside from the mark as shown.

Particular description of goods.—Gasoline Extracted, Blended, and Compounded.
Claims use since about July 1, 1923.

Ser. No. 195,251. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Apr. 9, 1924. Under section 5b of the act of 1905 as amended 1920.

HLATH BRAND

Particular description of goods.—Cider, Ginger Ale, Grape Juice, and Root Beer.
Claims use since 1885.

Ser. No. 195,590. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak. Filed Apr. 15, 1924.

DAKOTA MAID

Particular description of goods.—Wheat Products—Namely, Wheat Flour.
Claims use since Nov. 1, 1922.

Ser. No. 195,594. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed Apr. 15, 1924.



No claim is made to the word "Paris" apart from the mark shown.

Particular description of goods.—Soaps in Cake Form, Soap Pastes, and Soap Powders.
Claims use since September, 1906.

Ser. No. 196,076. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROGERS-ELKHORN COAL COMPANY, Virgie, Ky. Filed Apr. 24, 1924.

INFERNO



Remember this mark.
It stands for **QUALITY** in by-product coals.

No claim is made to the exclusive use of the word "Elkhorn" nor to the descriptive words "Remember this mark." It stands for quality in by-product coals apart from the mark as shown on the drawing.
Particular description of goods.—Coal.
Claims use since Feb. 27, 1924.

Ser. No. 196,181. (CLASS 38. PRINTS AND PUBLICATIONS.) MUSIC ILLUSTRATED REVIEW CORPORATION, New York, N. Y. Filed Apr. 26, 1924.

MUSIC
Illustrated Monthly Review

No claim is made to the exclusive use of the words "Illustrated Monthly Review" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the exclusive use of these words as a part of the complete mark. The mark consists of the words "Music Illustrated Monthly Review."
Particular description of goods.—Monthly Publication Containing Notes of the Musical World.
Claims use since Apr. 24, 1924.

Ser. No. 196,329. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE BORGFELDT & CO., New York, N. Y. Filed Apr. 30, 1924.

**BRINGING UP
FATHER**

Particular description of goods.—Dolls and Toys—viz. Dolls and Figures of Wood, Stuffed Textile Fabrics, Oilcloth, Glass, and Other Material, Mechanical Toys, Skates, Blocks, Drums, Holiday and Party Favors, and Toy Balloons.
Claims use since about Mar. 15, 1924.

327 O. G.—16

Ser. No. 196,486. (CLASS 32. FURNITURE AND UPHOLSTERY.) EUGENE STRAUS CABINET WORKS, INCORPORATED, Louisville, Ky. Filed May 2, 1924.

CRESCENT CASES

No claim is made to the word "Cases" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Show Cases.
Claims use since July, 1923.

Ser. No. 196,503. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANK S. BETZ COMPANY, Hammond, Ind. Filed May 3, 1924.

**Betzco
"WhiteKraft"**

Particular description of goods.—Steel Furniture for Hospitals, Doctors' Offices, and the Like—Namely, Salvarsan Couches, Post-Mortem Tables, Operating Tables, Instrument Cabinets, Dressing Cabinets, Observation Stands, Wall Dressing Stands, Bedside Tables, Towel Racks, Sponge Racks, Bottle Stands, Dressing Carriages, Leg Rests, Operating-Room Lights, Combination Instrument and Dressing Cabinets, Anesthesia Cabinets, Chart Files, Chart-File Holders, Instrument Lockers, Sterilizer Stands, Stretchers, Delivery Beds, Bassinets, Bassinet Stands, Folding Bath Stands and Tubs, Invalid Trays, Laboratory Stools, Utensil Closets, Utensil Racks, Blanket Warmers, Specialists' Examining Chairs, Treatment Cabinets, Treatment Tables, Massage Tables, Mercury Treatment Chairs, Instrument Tables, Electric-Light Bath Cabinets, Steam Bath Cabinets, Hot-Air Bath Cabinets, Laboratory Tables, Stands for Ether Vapor, Vacuum Apparatus, and Back Rests.
Claims use since Aug. 15, 1923.

Ser. No. 196,564. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CRANBERRY EXCHANGE, INCORPORATED, New York, N. Y. Filed May 5, 1924.

Eatmor

Particular description of goods.—Cranberry Sauce and Cranberry Jelly.
Claims use since March, 1920.

Ser. No. 196,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEOPOLD BENJAMIN LIEB, doing business as Royal Brand Paste Factory, New Orleans, La. Filed May 5, 1924.



The lining of the drawing is for shading only.
Particular description of goods.—Noodles.
Claims use since 1902.

Ser. No. 196,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GUYER COMPANY, Greenville, Miss. Filed May 10, 1924.

PURE GOLD

Particular description of goods.—Coffee.
Claims use since 1904.

Ser. No. 196,890. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BEVERLY H. THURMAN, Southwest City, Mo. Filed May 10, 1924.

AVOP

Particular description of goods.—Metal and Plaster of Paris Busts.
Claims use since Feb. 6, 1924.

Ser. No. 196,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK GRÜNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Berlin, Germany. Filed May 12, 1924.



Particular description of goods.—Aniline and Its Salts, Naphthol and Its Derivatives, Naphthalene and Derivatives, Liquefied Sulphurous Acid, Acetic and Formic Acid and Their Salts and Compounds, Tannin, Gallic Acid, Pyrogalllic Acid and Tanning Extracts, Boracic Acid, Borates, Sodium Peroxide, Hydrogen Peroxide and Persalts, Sodium Salts, Potassium Salts, Ammonium Salts, Lithium Salts, Barium Salts, Bismuth Salts, Iron Salts, Zinc Salts, Cer Compounds, Thorium Compounds and Titanium Compounds, Colloidal Silicic Acid (Silicic), Carbon Disulphide, Salicylic Acid and Phthalic Acid and Its Salts and Derivatives, Lithopone, Benzoic Acid, Its Salts and Derivatives, Phenols and Phenolates, Aminophenol and Its Salts, Monomethylparaaminophenolsulphate (Metol Substitute), Hydroquinone, Resorcin, Phenetidine, Acetanilid, Phenylquinolinecarboxylic Acid, Phenacetin, Hexamethylenetetramine, Tannin Albuminat, Argentum Proteicum, Argentum Colloidale, Precipitated Sulphur, Ethyl Bromide and Chloride, Methyl Chloride, Chloroform, Chloral and Chloral Hydrate, Diethylbarbituric Acid, Dimethylaminophenylidimethylpyrazolone (Pyramidon Substitute), Formaldehyde, Fibrin.

Claims use since July 1, 1919.

Ser. No. 196,909. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CHICAGO ELECTRIC COMPANY, Chicago, Ill. Filed May 12, 1924.

*"more
Power
to you"*

Particular description of goods.—Monthly Publication.
Claims use since Feb. 20, 1924.

Ser. No. 197,015. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE CAPPEL FURNITURE COMPANY, Dayton, Ohio. Filed May 14, 1924.



Particular description of goods.—Bed Springs.
Claims use since Apr. 1, 1924.

Ser. No. 197,035. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) WILLIAM MCGANN, Detroit, Mich. Filed May 14, 1924.

CENTURY

Particular description of goods.—Malt Sirup.
Claims use since May 1, 1921.

Ser. No. 197,068. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA DEHYDRATING & PRESERVING CO., Jacksonville, Fla. Filed May 15, 1924.



No exclusive claim is made to the words "Pure as Nature Made It" apart from the mark as shown.

Particular description of goods.—Dehydrated Foods—Namely, Julienne Vegetables, Cranberries, Strawberries, Sliced Figs, Shrimp, Powdered Strawberries, Powdered Celery, Powdered Onion, Powdered Oysters, Sweet-Potato Flour, Sweet-Potato Pancake Flour, Pumpkin Flour, Instant Beans, Instant Peas, Celery Salt, and Onion Salt.
Claims use since Oct. 1, 1923.

Ser. No. 197,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLNEY & FLOYD, Westernville, N. Y. Filed May 17, 1924.

BLUE HILL

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Nov. 8, 1897.

Ser. No. 197,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN T. FOSTER, doing business as Pyorrochrome Chemical Co., Williamstown, Mass. Filed May 20, 1924.

PYORROCHROME

Particular description of goods.—Solution for the Treatment of Pyorrhea.
Claims use since Mar. 15, 1924.

Ser. No. 197,605. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LARGAL COMPANY, Findlay, Ohio. Filed May 26, 1924.

FOOT-JOY

Particular description of goods.—Foot Powder.
Claims use since Dec. 10, 1923.

Ser. No. 197,649. (CLASS 10. FERTILIZERS.) BAKER & COE, White Salmon, Wash. Filed May 27, 1924.

EDEN

Particular description of goods.—Fertilizer.
Claims use since Sept. 1, 1922.

Ser. No. 197,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. CLARENCE SMITH, Pittsburgh, Pa. Filed May 27, 1924.



The word "Salve" on the drawing is disclaimed.
Particular description of goods.—Medical Preparation Applied to Exterior Portions of the Body to Heal, Rebuild, and Strengthen the Muscles and Tissues.
Claims use since Feb. 1, 1924.

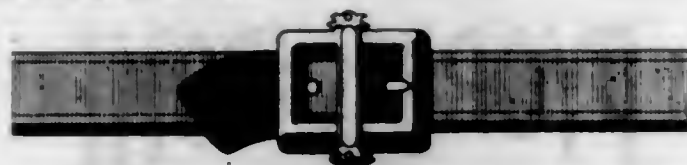
Ser. No. 197,802. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE CRAFT COMPANY, Indianapolis, Ind. Filed May 29, 1924.

CRAFT

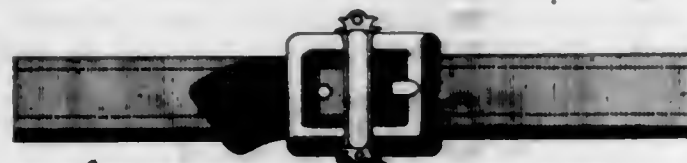
Particular description of goods.—Finger Rings, Ornamental Buttons Made of or Plated with Precious Metal, Badges, Emblems, and Medals Made of or Plated with Precious Metal, Charms, Fobs, and Earrings.

Claims use since Aug. 1, 1904.

Ser. No. 197,858. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ATTICA MILLS, Attica, Kans. Filed May 31, 1924.



RED BELT



Particular description of goods.—Wheat Flour.

Claims use since July 24, 1916.

Ser. No. 197,861. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BIRMINGHAM ALUMINUM CASTING (1903) COMPANY LIMITED, Birmingham, England. Filed May 31, 1924.

BIRMAL

Particular description of goods.—Tennis, Badminton, and Rackets for All Games.

Claims use since Jan. 1, 1923.

Ser. No. 197,922. (CLASS 7. CORDAGE.) BLAKE, MOFFITT AND TOWNE, San Francisco, Calif. Filed June 2, 1924.



No claim is made to the word "Paper" apart from the mark shown.

Particular description of goods.—Twine.

Claims use since January, 1914.

Ser. No. 197,941. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed June 2, 1924.

MOTO-LAC

Particular description of goods.—Lacquer, Enamels, Thinner, Primer, and Undercoat.

Claims use since Mar. 1, 1924.

Ser. No. 198,134. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREENSPOT CITRUS ASSOCIATION, Mantone, Calif. Filed June 5, 1924.

GREENSPOT

Particular description of goods.—Fresh Citrus Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since January, 1924.

Ser. No. 198,217. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

SUPERLASTIC

No claim is made to the exclusive use of the term "Lastic" which forms a part of the trade-mark, although it is understood that this disclaimer does not constitute a waiver of the common-law rights which inherently adhere to a mark.

Particular description of goods.—Narrow Elastic.

Claims use since January, 1923.

Ser. No. 198,405. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FOLLY TOWN COMPANY, Chicago, Ill. Filed June 11, 1924.

'49

Particular description of goods.—Candy.

Claims use since June 9, 1924.

Ser. No. 198,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DAYTON NUT PRODUCTS COMPANY, Dayton, Ohio. Filed June 13, 1924.



Applicant disclaims the use of the word "Brand" apart from the other features of the trade-mark shown on the drawing. Applicant disclaims also the use of the word "Dayton" apart from the other features of the mark.

Particular description of goods.—Raw and Salted Nuts.

Claims use since July 1, 1923.

Ser. No. 198,519. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GOODMAN AMERICAN ICE CREAM COMPANY, Chicago, Ill. Filed June 13, 1924.

IMPORTO

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks, as Follows: Ginger Ale and Root Beer.

Claims use since May 28, 1924.

Ser. No. 198,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LANG & CO., Portland, Oreg. Filed June 16, 1924.

PUNG CHOW

Particular description of goods.—Candy.

Claims use since Feb. 1, 1924.

Ser. No. 198,665. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) R. G. MORTON & SON, Zanesville, Ohio. Filed June 16, 1924.

ONE HOUR

Particular description of goods.—Seat and Top Dressing.

Claims use since Apr. 1, 1924.

Ser. No. 198,706. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GROOVER-STEWART DRUG COMPANY, Jacksonville, Fla. Filed June 17, 1924.



Particular description of goods.—Tincture Iodine, Calomel Healing Powder, Witch-Hazel, Oil Bergamot (Synthetic), Mercury, Orange Color, Rubbing Alcohol Compound (Alcohol 89½ Per Cent), Comp. Licorice Com. U. S. P., Ammonia, Alum, Sulphur, Epsom Salts, Oil of Citronella, Sweet Spirits of Niter, Citrate of Magnesia, Violet Ammonia, Sirup White Pine Compound, Castor Oil, Blackberry Cordial, Donovan's Solution, Blue Ointment, Resin Cerate (U. S. P. Basilicon Ointment), Tincture Iron Chloride (U. S. P. Alcohol 63 Per Cent), Aromatic Spirits Ammonia (Alcohol 67 Per Cent), Green Soap (Soft Soap U. S. P.), Benzoinated Lard (U. S. P.), Blue Mass (Mass of Mercury, U. S. P.), Balsam Peru, Russian Mineral Oil, Dobell's Solution (Liq. Sodii Boratis Comp. N. F.), Solution Chlorinated Potassa (Javelle Water), Spirits Camphor (Alcohol 85 Per Cent), Powdered Turmeric, Silicate Soda (Egg Saver), Lump Alum, Ammonia (Spirits of Hartshorn), Paregoric (Alcohol 46%), Tincture Arnica (Alcohol 46%), Milk Asafetida, Tr. Asafetida (81% Alcohol), Oriental Incense, Liquid Court Plaster, Toothache Gum, Toothache Drops, Healing Powder, Liquid Corn Remedy, Prickly-Heat Powder, Sir. Rhubarb (Alcohol 8%), Mix Rhubarb and Soda (Alcohol 4%), Sir. Rhubarb Arom. (Alcohol 7%), Powd. Squills, Sir. Squill Comp. (Alcohol 5.8%), Sir. Squill, Castor Oil, Pure Castor Oil, Carbolic Acid, Crude Carbolic Acid, Lemon Color, Red Color, Green Color, Caramel Color, Stokes' Expectorant (Alcohol 10.5%), Ointment Ammoniated Mercury, Oint. Boric Acid U. S. P., Brown Mixture (Alcohol 8%), Rose Water, Sweet Oil, Camphorated Oil, Oil of Cloves, Oil Sweet Birch (Oil Wintergreen Nat., So Called), Oil Cajeput, Oil of Cade, Oil Cassia, Oil Cedar Leaf, Oil Cedarwood, Oil Chenopodium (Oil Wormseed), Oil Cinnamon, Cod-Liver Oil (Norwegian), Oil Croton, Oil Cubes, Oil Eucalyptus, Oil Juniper Berries, Oil Lavender Flowers, Oil Mirbane (Nitrobenzene, Tech.), Oil Mustard (Synthetic), Oil Nutmegs, Oil Sweet Orange, Oil Origanum (Artificial), Oil Pennyroyal, Oil Peppermint, Liquid Petrolatum (American Mineral Oil), Oil Rose Geranium, Oil Rosemary, Oil Rue, Oil of Sandalwood, E. I., Oil Sassafras (Synth.), Oil Sassafras (True), Oil Savin, Oil Anise, Oil Spike (So Called), Oil Tansy, Oil Pine Tar Rect., Methyl Salicylate (Oil Wintergreen, Synthetic), Oil Wintergreen Leaf (True), Oil Bitter Almonds (Artificial Benzaldehyde, U. S. P.), Oil Sweet Almond (So Called from Peach Kernels), Oil Sweet Almond (True), Oil Amyris (Oil West India Santal, So Called), Essence Peppermint (U. S. P. Alcohol 85%), Comp. Resin Cerate (U. S. P. Deshler's Salve), Ointment Zinc Oxide, Soap Liniment (Alcohol 66%), Oint. Sulphur Comp., N. F., Oint. Sul.

phur U. S. P., Aromatic Sulphuric Acid (Alcohol 85%), Lafayette Mixture (Alcohol 20%), Dewees' Carminative (Alcohol 7%, Opium 0.5 grs. in each fl. oz.), Glycerin, Bay Rum (Alcohol 50%), Lime Water, Stronger Ammonia Water (26% Ammonia), Orange-Flower Water, Balsam Copaiba S. A., Menthol U. S. P., Acid Phosphate (Contains About 1/6 of 1% Benzoic Acid), Calomel Tablets, Sir. Ipecac (Alcohol 2.4%), C. C. Pills U. S. P., Chloroform Liniment (Alcohol 47%, Chloroform 30% by Volume), Solution Aluminum Acetate N. F., Liq. Cresolis Comp. U. S. P., Amber Petrolatum, Sol. Ferric Chloride U. S. P., Liq. Plumbi Subacetatis (Goulard's Extract), Liquor Potassa (Sol. Potassium Hydroxide, U. S. P.), Creosote U. S. P., Spirit Nitrous Ether (Alcohol 92%, Ethyl Nitrite 17.2 gr. in 1 av. oz.), So. Chlorinated Soda (Labarraque's Solution), Spirit Chloroform U. S. P. (Alcohol 89%, Chloroform 28.2 mins. in 1 fl. oz.), White Petrolatum, Incense (Gum Olibanum), Acetic Acid 36%, Acetic Acid Glacial, Acetic Acid, Nitrohydrochloric Acid, U. S. P., Hydrochloric Acid, C. P., Slurpy Phosphoric Acid, U. S. P., Nitric Acid, C. P., Sulphuric Acid, C. P., Pot. Permanganate, Flaxseed, Powd. Orris Root, Juniper Berries, Manna S. F., Powd. Gentian, Powd. Dragon's Blood, Powd. Cape Aloes, Acacia (Gum Arabic), Zinc Sulphate (White Vitriol), Tartaric Acid, Purified Talcum, Sodium Hyposulphite ("Hypo"), Lump Saltpeter, Powd. Saltpeter, Rochelle Salts, Oxalic Acid, Citric Acid, Comp. Jalap Powder, Antiseptic Powder N. F., Po. Wood Charcoal, Jamaica Ginger, Pwd. Jamaica Ginger, Sodium Fluoride, Moth Flakes and Cedar, Moth Flakes, Moth Flakes with Lavender, Cedar Chips.

Claims use since July 1, 1920.

Ser. No. 198,707. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GROOVER-STEWART DRUG COMPANY, Jacksonville, Fla. Filed June 17, 1924.

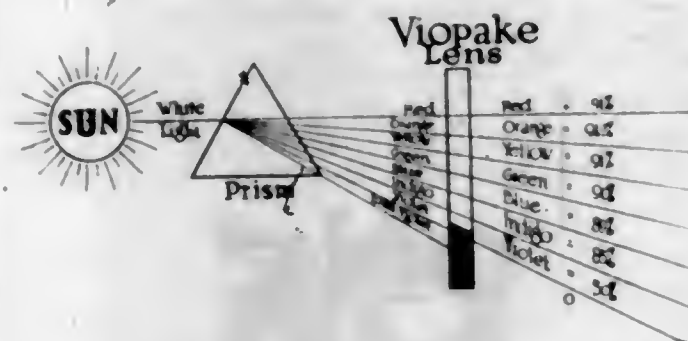
ROYAL PALM

Particular description of goods.—Tincture Iodine, Calomel Healing Powder, Witch-Hazel, Oil Bergamot (Synthetic), Mercury, Orange Color, Rubbing Alcohol Compounds (Alcohol 89½ per cent), Comp. Licorice Com. U. S. P., Ammonia, Alum, Sulphur, Epsom Salts, Oil Citronella, Sweet Spirits of Niter, Citrate of Magnesia, Violet Ammonia, Slurpy White Pine Compound, Castor Oil, Blackberry Cordial, Donovan's Solution, Blue Ointment, Resin Cerate (U. S. P. Basilicon Ointment), Tincture Iron Chloride (U. S. P. Alcohol 63 Per Cent), Aromatic Spirits Ammonia (Alcohol 67 Per Cent), Green Soap (Soft Soap U. S. P.), Benzoinated Lard (U. S. P.), Blue Mass (Mass of Mercury, U. S. P.), Balsam Peru, Russian Mineral Oil, Dobell's Solution (Liq. Sodii Boratis Comp. N. F.), Solution Chlorinated Potassa (Javelle Water), Spirits Camphor (Alcohol 85 Per Cent), Powdered Turmeric, Silicate Soda (Egg Saver), Lump Alum, Ammonia (Spirits of Hartshorn), Paregoric Alcohol 46%, Tincture Arnica Alcohol 46%, Milk Asafetida, Tr. Asafetida 81% Alcohol, Oriental Incense, Liquid Court Plaster, Toothache Gum, Toothache Drops, Healing Powder, Liquid Corn Remedy, Prickly-Heat Powder, Sir. Rhubarb (Alcohol 8%), Mix. Rhubarb and Soda (Alcohol 4%), Sir. Rhubarb Arom. (Alcohol 7%), Powd. Squills, Sir. Squill Comp. (Alcohol 5.8%), Sir. Squill, Castor Oil, Pure Castor Oil, Carbolic Acid, Crude Carbolic Acid, Lemon Color, Red Color, Green Color, Caramel Color, Stokes' Expectorant (Alcohol 10.5%), Ointment Ammoniated Mercury, Oint. Boric Acid U. S. P., Brown Mixture (Alcohol 8%), Rose Water, Sweet Oil, Camphorated Oil, Oil of Cloves,

Oil Sweet Birch (Oil Wintergreen Nat., (So Called), Oil Cajuput, Oil of Cade, Oil Cassia, Oil Cedar Leaf, Oil Cedarwood, Oil Chenopodium (Oil Wormseed), Oil Cinnamon, Cod-Liver Oil (Norwegian), Oil Croton, Oil Cubes, Oil Eucalyptus, Oil Juniper Berries, Oil Lavender Flowers, Oil Mirbane (Nitrobenzene, Tech.), Oil Mustard (Synthetic), Oil Nutmegs, Oil Sweet Orange, Oil Origanum (Artificial), Oil Pennyroyal, Oil Peppermint, Liquid Petrolatum (American Mineral Oil), Oil Rose Geranium, Oil Rosemary, Oil Rue, Oil of Sandalwood E. I., Oil Sassafras (Synth.), Oil Sassafras (True), Oil Savin, Oil Anise, Oil Spike (So Called), Oil Tansy, Oil Pine Tar Rect., Methyl Salicylate, (Oil Wintergreen, Synthetic), Oil Wintergreen Leaf (True), Oil Bitter Almonds (Artificial Benzaldehyde U. S. P.), Oil Sweet Almond (So Called from Peach Kernels), Oil Sweet Almond (True), Oil Amyris (Oil West India Santal, So Called), Essence Peppermint (U. S. P. Alcohol 85%), Comp. Resin Cerate (U. S. P. Deshler's Salve), Ointment Zinc Oxide, Soap Liniment (Alcohol 66%), Oint. Sulphur Comp. N. F., Oint. Sulphur U. S. P., Aromatic Sulphuric Acid (Alcohol 85%), Lafayette Mixture (Alcohol 20%), Dewees' Carminative (Alcohol 7%, Opium 0.5 grs. in each fl. oz.), Glycerin, Bay Rum (Alcohol 50%), Lime Water, Stronger Ammonia Water (26% Ammonia), Orange-Flower Water, Balsam Copaiba S. A., Menthol U. S. P., Acid Phosphate (Contains about 1/6 of 1% Benzoic Acid), Calomel Tablets, Sir. Ipecac (Alcohol 2.4%), C. C. Pills U. S. P., Chloroform Liniment (Alcohol 47%, Chloroform 30% by Volume), Solution Aluminum Acetate N. F., Liq. Cresolis Comp. U. S. P., Amber Petrolatum, Sol. Ferric Chloride U. S. P., Liq. Plumbi Subacetatis (Goulard's Extract), Liquor Potassa (Sol. Potassium Hydroxide U. S. P.), Creosote U. S. P., Spirit Nitrous Ether (Alcohol 92%, Ethyl Nitrite 17.2 gr. in 1 av. oz.), So. Chlorinated Soda (Labarraque's Solution), Spirit Chloroform U. S. P. (Alcohol 89%, Chloroform 28.2 mins. in 1 fl. oz.), White Petrolatum, Incense (Gum Olibanum), Acetic Acid 36%, Acetic Acid Glacial, Acetic Acid, Nitrohydrochloric Acid U. S. P., Hydrochloric Acid C. P., Slurpy Phosphoric Acid U. S. P., Nitric Acid C. P., Sulphuric Acid C. P., Pot. Permanganate, Flaxseed, Powd. Orris Root, Juniper Berries, Manna S. F., Powd. Gentian, Powd. Dragon's Blood, Powd. Cape Aloes, Acacia (Gum Arabic), Zinc Sulphate (White Vitriol), Tartaric Acid, Purified Talcum, Sodium Hyposulphite ("Hypo"), Lump Saltpeter, Powd. Saltpeter, Rochelle Salts, Oxalic Acid, Citric Acid, Comp. Jalap Powder, Antiseptic Powder N. F., Po. Wood Charcoal, Jamaica Ginger, Pwd. Jamaica Ginger, Sodium Fluoride, Moth Flakes and Cedar, Moth Flakes, Moth Flakes with Lavender, Cedar Chips.

Claims use since July 1, 1920.

Ser. No. 198,770. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VIOPAKE CO., INC., New York, N. Y. Filed June 18, 1924.



The words "White Light, Prism, Lens," and the names of the colors and the percentage values are disclaimed apart from the mark shown.

Particular description of goods.—Ophthalmic Lenses and the Blanks from Which the Same are Cut.
Claims use since Sept. 29, 1921.

Ser. No. 198,817. (CLASS 38. PRINTS AND PUBLICATIONS.) THE OKLAHOMA STATE MAP & PUBLISHING COMPANY, Oklahoma City, Okla. Filed June 19, 1924.



The applicant disclaims all right to the use of the words "Oklahoma City" and "Oklahoma" apart from the mark shown.

Particular description of goods.—Maps of the Highways of the State of Oklahoma and Parts of the Highways Thereof.

Claims use since Mar. 20, 1924.

Ser. No. 198,904. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

VIRGINIA CARVEL

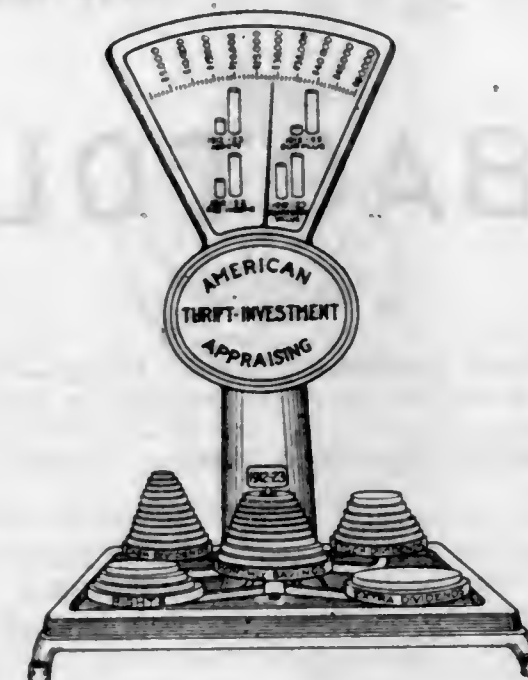
Particular description of goods.—Beds.
Claims use since June 1, 1922.

Ser. No. 198,921. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

ELIZABETH TEMPLE

Particular description of goods.—Beds.
Claims use since Mar. 1, 1923.

Ser. No. 198,928. (CLASS 38. PRINTS AND PUBLICATIONS.) ALBERT G. ANDERSON, Newark, N. J. Filed June 2, 1924.



No claim is made to any of the wording apart from the mark shown.

Particular description of goods.—Stock Certificates and Bonds.

Claims use since June 18, 1924.

Ser. No. 198,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE W. T. RAWLIGH COMPANY, Freeport, Ill. Filed June 21, 1924.

La Jaynees

Particular description of goods.—Perfume and Toilet Waters.
Claims use since May 5, 1924.

Ser. No. 199,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISVILLE PROVISION COMPANY, INC., Louisville, Ky. Filed June 24, 1924.

Southern Star

Particular description of goods.—Hams, Bacon, Lard, and Sausage.
Claims use since January, 1910.

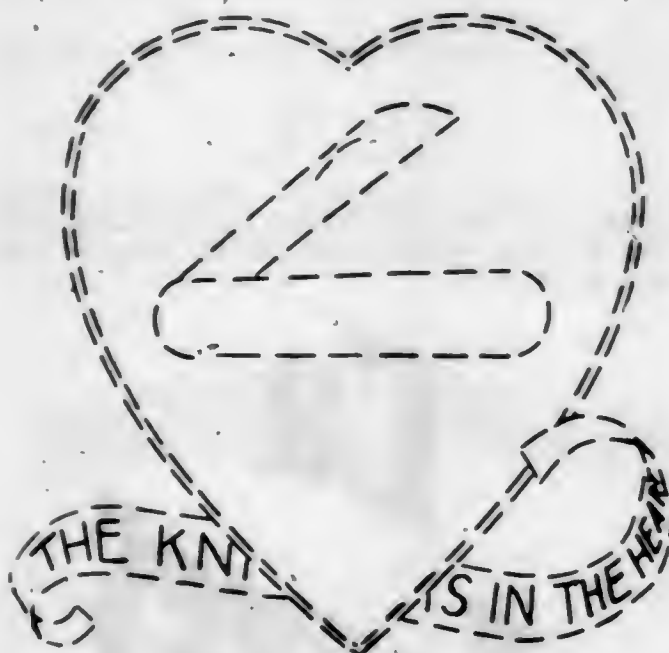
Ser. No. 199,077. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORGENSTERN & COMPANY, New York, N. Y. Filed June 24, 1924.

BACTOL

Particular description of goods.—Emulsions of Therapeutic Bacilli for Use in the Intestines to Check Putrefaction.

Claims use since June 3, 1924.

Ser. No. 199,121. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES HUGH MCFADDEN, Mount Vernon, S. Dak. Filed June 25, 1924.



No claim is made to the illustration of the pocket-knife appearing in the mark apart from the mark as shown.

Particular description of goods.—Pocketknives and Attachments Therefor.

Claims use since Mar. 1, 1924.

Ser. No. 199,129. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN ROHDIEK, New York, N. Y. Filed June 25, 1924.

BRONCHO

Particular description of goods.—Ice and Roller Skates.

Claims use since June 12, 1924.

Ser. No. 199,220. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WARNER DUGGARD, Ottawa, Ill. Filed June 27, 1924.



No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Compound for Cleaning Metal.

Claims use since on or about June 1, 1924.

Ser. No. 199,241. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE ORINGER, Boston, Mass. Filed June 27, 1924.

SHAM-RICKY

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.

Claims use since May 10, 1924.

Ser. No. 199,328. (CLASS 39. CLOTHING.) Mrs. OSCAR C. SLEDGE, Smithville, Tex. Filed June 28, 1924.



The portrait is that of Jimmie Lou Sledge, a minor child of applicant.

Particular description of goods.—Bifurcated Outer Garments Consisting of Coat and Trousers in One Piece.

Claims use since May 29, 1924.

Ser. No. 199,346. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CALIFORNIA BY-PRODUCTS CO., San Francisco, Calif. Filed June 30, 1924.

THREE STAR

Particular description of goods.—Tennis-Racket Strings.

Claims use since June 1, 1922.

Ser. No. 199,349. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAZBY CHURN & MANUFACTURING COMPANY, St. Louis, Mo. Filed June 30, 1924.

Sharpit

Particular description of goods.—Tool-Grinding Machines.

Claims use since on or about May 15, 1924.

Ser. No. 199,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RELIABLE GROCERY COMPANY, Inc., Philadelphia, Pa. Filed July 1, 1924.

RELCO

Particular description of goods.—Canned Vegetables, Olives, Mustard, Peanut Butter, and Sauerkraut.

Claims use since Apr. 20, 1924.

Ser. No. 199,462. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CALIFORNIA BY-PRODUCTS CO., San Francisco, Calif. Filed July 2, 1924.

CALIFORNIA POPPY

Particular description of goods.—Tennis-Racket Strings.

Claims use since on or about June 1, 1922.

Ser. No. 199,510. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed July 2, 1924.

MARVEL

Particular description of goods.—Face Powder, Talcum Powder, Beauty Cream, Cold Cream, and Dental Cream.

Claims use since about Jan. 1, 1922.

Ser. No. 199,555. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JABEZ CLIFF & COMPANY LIMITED, Walsall, England. Filed July 3, 1924.



No claim is made to the words "Trade-Mark" and "Made in England" apart from the mark shown in the drawing.

Particular description of goods.—Football Covers.

Claims use since 1921.

Ser. No. 199,613. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EXCELL-O TOOL AND MANUFACTURING CO., Detroit, Mich. Filed July 5, 1924.



Particular description of goods.—Bearings, Splindles, Ball Bearings, Raceways, and Parts Thereof.

Claims use since January, 1920.

Ser. No. 199,627. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) INTERNATIONAL AUTO EQUIPMENT CO. INC., Brooklyn, N. Y. Filed July 5, 1924.

INTERNATIONAL

Particular description of goods.—Windshield Cleaners, Squeegee Type.

Claims use since Nov. 5, 1923.

Ser. No. 199,704. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL KASSER, Philadelphia, Pa. Filed July 7, 1924.



Particular description of goods.—Malt Extract and Malt Sirup for Food Purposes.

Claims use since May 25, 1920.

Ser. No. 199,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE E. WORTHEN, doing business as The Prunitone Laboratories, Malden, Mass. Filed July 7, 1924.

Prunitone

Particular description of goods.—Liquid Tonic Medicine Used as a Blood Tonic or System Purifier, Particularly for the Treatment of Stomach Troubles, Anæmia, and Nervous Diseases, and Pills for Treatment of Dyspepsia, Indigestion, Liver Complaint, and Similar Ailments.

Claims use since Apr. 4, 1922.

Ser. No. 199,765. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. SCHIFFRIN & SONS, New York, N. Y. Filed July 8, 1924.



The words "Furs Make Furs Look Real" are disclaimed apart from the mark shown.

Particular description of goods.—Fur Trimmings.
Claims use since October, 1916.

Ser. No. 199,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CYANAMID COMPANY, New York, N. Y. Filed July 9, 1924.

CYANOOGAS

Particular description of goods.—Insecticide and Rodent Exterminator for Agricultural and Horticultural Application.

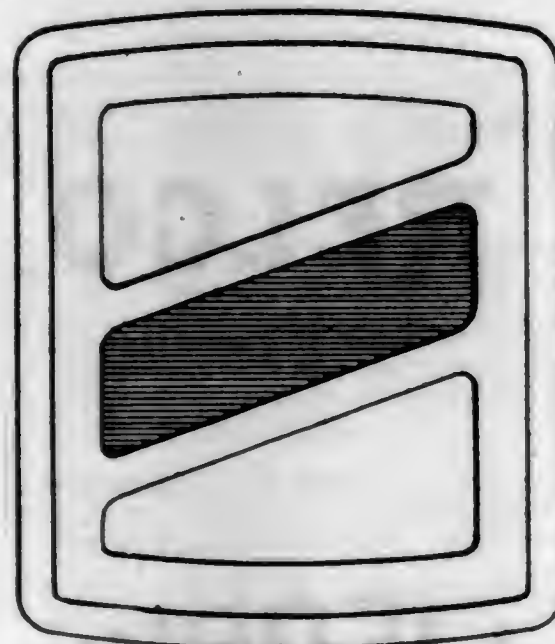
Claims use since June 1, 1924.

Ser. No. 199,807. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed July 9, 1924.



Particular description of goods.—Fishlines.
Claims use since 1910.

Ser. No. 200,131. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BIFLEX PRODUCTS COMPANY, North Chicago, Ill. Filed July 17, 1924.



Particular description of goods.—Automobile Bumpers and Parts Thereof.
Claims use since July 2, 1924.

Ser. No. 200,233. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MRS. CHESTER C. WISCHMEIER, Andrews, Ind. Filed July 18, 1924.

PINNETTE

Particular description of goods.—Lingerie Clasps Made of Base Metals.
Claims use since May 15, 1924.

Ser. No. 200,240. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y. Filed July 19, 1924.

NUWAY

Particular description of goods.—Ophthalmic Mountings and Parts Thereof.
Claims use since November, 1921.

Ser. No. 200,270. (CLASS 17. TOBACCO PRODUCTS.) ROBERT McDANIEL, Los Angeles, Calif. Filed July 19, 1924.



No claim made to the words "Everybody's Favorite" and "California's Finest" apart from the mark as shown.
Particular description of goods.—Cigars, Cigarettes, Smoking Tobacco, and Chewing Tobacco.
Claims use since May 1, 1924.

Ser. No. 200,291. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) STANDARD PYROXOLOID CORPORATION, Leominster, Mass. Filed July 19, 1924.

PYROXOLOID

Particular description of goods.—Hairbrushes, Toothbrushes, and Clothes Brushes.
Claims use since Apr. 10, 1920.

Ser. No. 200,349. (CLASS 32. FURNITURE AND UPHOLSTERY.) OTTO F. WEIGAND, doing business as C. A. Weigand, Philadelphia, Pa. Filed July 21, 1924. Under ten-year proviso.



Particular description of goods.—Window Shades.
Claims use since 1891.

Ser. No. 200,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDISON ORANGE GROWERS ASSOCIATION, Edison, Calif. Filed July 23, 1924.

WIZARD

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Grapefruit, and Lemons.
Claims use since Nov. 1, 1917.

Ser. No. 200,392. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JONATHAN P. GROSVENOR, Waretown, N. Y. Filed July 23, 1924.



Particular description of goods.—Parlor Board Games.
Claims use since Apr. 30, 1924.

Ser. No. 200,431. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAIRE H. BURROWS, doing business as Grandma's Pie Crust Co., Hollywood, Los Angeles, Calif. Filed July 24, 1924.

Grandma's FLAKY Pie Crust

Applicant hereby disclaims the words "Flaky Pie Crust" as a part of the mark shown on the drawing.

Particular description of goods.—Material Used in Making Pies.

Claims use since June 21, 1923.

Ser. No. 200,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLUORIN COMPANY OF AMERICA INC., New York, N. Y. Filed July 25, 1924.

FLUORIN

Trade-mark consists of the word "Fluorin."
Particular description of goods.—Medicinal Preparation for Scenting the Bath and Acting as a Tonic to the Body.

Claims use since Sept. 28, 1923.

Ser. No. 200,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. K. POND COMPANY, Chicago, Ill. Filed July 25, 1924.

TRILBY

Particular description of goods.—Pickled Pigs' Feet.
Claims use since June 16, 1924.

Ser. No. 200,533. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED C. THOMPSON, doing business as the Thompson Chemical Co., Colton, S. Dak. Filed July 25, 1924.

REDTONE

Particular description of goods.—General Tonic for Chickens.
Claims use since Apr. 1, 1924.

Ser. No. 200,554. (CLASS 15. OILS AND GREASES.) WILLIAM L. HAGENBAUGH, doing business as Master Lubricants Company, Los Angeles, Calif. Filed July 26, 1924.

MASTER

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Jan. 1, 1916.

Ser. No. 200,556. (CLASS 15. OILS AND GREASES.) WILLIAM L. HAGENBAUGH, doing business as Master Lubricants Company, Los Angeles, Calif. Filed July 26, 1924.

MASTERMOBILE

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Jan. 1, 1916.

Ser. No. 200,623. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOSEPH KLEIN Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Filed July 28, 1924.

ARANAC

Particular description of goods.—Birch Beer, Cream Soda, Lemon Soda, Root Beer, Sarsaparilla, and Ginger Ale.
Claims use since July, 1910.

Ser. No. 200,624. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOSEPH KLEIN Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Filed July 28, 1924.



Particular description of goods.—Aerated Distilled Water for Drinking Purposes and Distilled Water for Electric Storage Batteries.
Claims use since November, 1918.

Ser. No. 200,625. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOSEPH KLEIN Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Filed July 28, 1924.

ORIENTAL

Particular description of goods.—Birch Beer, Cream Soda, Lemon Soda, Strawberry Soda, Root Beer, Sarsaparilla, and Ginger Ale.
Claims use since April, 1919.

Ser. No. 200,703. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AUTOMOBILE JOURNAL PUBLISHING Co., Pawtucket, R. I. Filed July 30, 1924.

THE ACCESSORY -AND- GARAGE JOURNAL

Particular description of goods.—Monthly Magazine.
Claims use since December, 1911.

Ser. No. 200,719. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) JACKSON-WHEELER METALS SERVICE, Brooklyn, N. Y. Filed July 30, 1924.



No claim is made to the words "Bearing Alloys" apart from the mark shown.
Particular description of goods.—Bearing Alloys and White-Metal Alloys Used as Antifrictional Media.
Claims use since Feb. 1, 1924.

Ser. No. 200,723. (CLASS 39. CLOTHING.) B. H. MACY & Co., Inc., New York, N. Y. Filed July 30, 1924.



Trade-mark "Banjo" and symbol.
Particular description of goods.—Men's Athletic Underwear.
Claims use since Mar. 8, 1915.

Ser. No. 200,724. (CLASS 38. PRINTS AND PUBLICATIONS.) L. C. PAGE & COMPANY, Boston, Mass. Filed July 30, 1924.

CHATTERBOX.

Particular description of goods.—Annual Publication Book.
Claims use since Jan. 1, 1880.

Ser. No. 200,726. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLAIMAR LIMITED, West Perth, Western Australia, Australia. Filed July 30, 1924.

"Plaimar"

Trade-mark consists of the word "Plaimar."
Particular description of goods.—Essential Oils Used in Medicine and Pharmacy.
Claims use since about June 10, 1923.

Ser. No. 200,759. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GELFAND MANUFACTURING Co., Baltimore, Md. Filed July 31, 1924.

PEPPY NUT

Particular description of goods.—Sandwich Spread Consisting of Mayonnaisse, Peanut Butter, Chopped Vegetables, and Chopped Nuts.
Claims use since Apr. 1, 1924.

Ser. No. 200,787. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 31, 1924.

Neptune

Particular description of goods.—Sausage.
Claims use since Oct. 8, 1907.

Ser. No. 200,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. BOLOGNA & COMPANY, New Orleans, La. Filed Aug. 1, 1924.



The words "Paste di Semola" and "Type" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Macaroni.
Claims use since Jan. 1, 1915.

Ser. No. 200,835. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STROMBECK-BECKER MANUFACTURING COMPANY, Moline, Ill. Filed Aug. 1, 1924.

HEXOBLOX

Particular description of goods.—Toy Blocks.
Claims use since July 14, 1924.

Ser. No. 200,874. (CLASS 12. CONSTRUCTION MATERIALS.) FISHER BROS. PAPER COMPANY, Fort Wayne, Ind. Filed Aug. 2, 1924.



No claim is made to the word "Brand" except in connection with the balance of the mark.
Particular description of goods.—Articles Made Wholly or in Part of Paper—viz, Building Paper, Roofing Paper, Shingles, Corrugated Fiber Board (Building Material).
Claims use since July 30, 1924.

Ser. No. 200,896. (CLASS 17. TOBACCO PRODUCTS.)
R. C. OWEN, Hartsville, Tenn. Filed Aug. 2, 1924.

YELLOW JACKET

Particular description of goods.—Plug, Twist, and Smoking Tobacco.
Claims use since July 23, 1924.

Ser. No. 200,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
JOHN WANAMAKER, Philadelphia, Pa. Filed Aug. 2, 1924.

Reine Marie

Particular description of goods.—Perfumes and Toilet Creams.
Claims use since 1910.

Ser. No. 200,916. (CLASS 39. CLOTHING.) WEINERTH KNITTING & MACHINE CO., INC., Reading, Pa. Filed Aug. 2, 1924.

CONFIDENCE

Particular description of goods.—Ladies' Hosiery.
Claims use since Feb. 15, 1924.

Ser. No. 200,929. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
CARVER-RUFF CO., New York, N. Y. Filed Aug. 4, 1924.

Kare

Particular description of goods.—Toilet Preparations Such as Liquid and Powder Nail Polish, Face Powder, Foot Powder, and Preparations for the Treatment of the Hair or Scalp.
Claims use since July 26, 1924.

Ser. No. 200,950. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
LAUNDRY PRODUCTS CORP., New York, N. Y. Filed Aug. 4, 1924.

Certified

Particular description of goods.—Laundry Blue.
Claims use since Oct. 15, 1923.

Ser. No. 200,984. (CLASS 39. CLOTHING.) CONSOLIDATED GLOVE & HOSIERY CORPORATION, San Francisco, Calif. Filed Aug. 5, 1924.

IONIC

Particular description of goods.—Men's Hose.
Claims use since June 1, 1924.

Ser. No. 200,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. J. KRAMER, Rio Linda, Calif. Filed Aug. 5, 1924.



No claim is made to the pictorial representation of the chick and the descriptive term "S. C. White Leghorn Super Baby Chicks" apart from the mark as shown on the drawing.

Particular description of goods.—Single-Comb White Leghorn Chicks.
Claims use since May 2, 1924.

Ser. No. 200,992. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KRAMER HATCHERY COMPANY, Fairmont, Minn. Filed Aug. 5, 1924.



The pictorial representation of the chick and the descriptive term "Baby Super Chicks" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Baby Chicks.
Claims use since May 21, 1924.

Ser. No. 201,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEROY WINTHROP LUCE, Vineyard Haven, Mass. Filed Aug. 5, 1924.



No claim is made to the words "Vineyard Haven, Mass." and "Marthas Vineyard Island" apart from the mark shown in the drawing.

Particular description of goods.—Candy.
Claims use since December, 1900.

Ser. No. 201,011. (CLASS 39. CLOTHING.) THE PEOPLE'S SHOE STORES CO., St. Louis, Mo. Filed Aug. 5, 1924.



Lorelei

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since June 1, 1924.

Ser. No. 201,025. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) EASTERN TOOL & MFG. COMPANY, Bloomfield, N. J. Filed Aug. 2, 1924.

Cinderella

Particular description of goods.—Shoe Buckles Not of Precious Metal.
Claims use since Nov. 1, 1923.

Ser. No. 201,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
FRANK HEINEMANN, doing business as Loxaleak Co., Chicago, Ill. Filed Aug. 6, 1924.



Particular description of goods.—Liquid for Closing Leaks in Radiators and Water Jackets.
Claims use since July 2, 1923.

Ser. No. 201,051. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SMITHFIELD COMPANY, INC., Smithfield, Va. Filed Aug. 6, 1924.



SMITHFIELD, VIRGINIA.

AS INSPECTED AND PASSED BY
DEPARTMENT OF AGRICULTURE
ESTABLISHMENT NO. 123

NET WEIGHT WHEN WRAPPED
LBS. OZS.

All wording excepting the word "Amber" and the words "The Smithfield Co. Inc." is disclaimed except in the arrangement shown in the drawing.

Particular description of goods.—Hams.
Claims use since Mar. 1, 1922.

Ser. No. 201,085. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOPE WEBBING COMPANY, Pawtucket and Providence, R. I. Filed Aug. 7, 1924.

TALKING TAPE

Particular description of goods.—Radio Antenna.
Claims use since May 23, 1924.

Ser. No. 201,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
E. MERCK, Darmstadt, Germany. Filed Aug. 7, 1924.

PSICAIN

Particular description of goods.—Cocaine.
Claims use since May, 1923.

Ser. No. 201,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FINLEY PAGE SEIBERT, doing business as F. Page Seibert, Philadelphia, Pa. Filed Aug. 7, 1924.

RINOLIN

Trade-mark consists of the word "Rinolin."
Particular description of goods.—Medicinal Treatment for Constipation.
Claims use since June 1, 1924.

Ser. No. 201,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Aug. 7, 1924.

"Market Day Special"

Particular description of goods.—Dried Raisins and Dried Fruit.
Claims use since July 19, 1924.

Ser. No. 201,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OWEN CRAWFORD, doing business as Bay Chemical Company, Bay St. Louis, Miss. Filed Aug. 8, 1924.



No claim is made to the word "Salve" apart from the mark as shown on the drawing.
Particular description of goods.—Salves for Diseases and Affections of the Skin.
Claims use since Apr. 22, 1921.

Ser. No. 201,148. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Aug. 8, 1924.

Charlaine

Particular description of goods.—Dresses, Coats, Suits, Blouses, Skirts, and Capes.
Claims use since June 27, 1924.

Ser. No. 201,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE C. B. DOLGE COMPANY, Westport, Conn. Filed Aug. 9, 1924.

ZING

Particular description of goods.—Preparation for Cleaning Interiorly Auto Radiators, Vats, Boilers, and Sink Bowls.
Claims use since June 23, 1924.

Ser. No. 201,200. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Aug. 9, 1924.

"May Marie"

Particular description of goods.—Ladies' Dresses.
Claims use since July 1, 1924.

Ser. No. 201,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Aug. 9, 1924.

One of the family

Particular description of goods.—Cereal Foods. Specifically Health Bran, Farina, Pancake Flour (a Mixture of Wheat, Corn, Rice, and Rye Flours), Buckwheat Pancake Flour (a Mixture of Buckwheat, Wheat, and Corn Flours).
Claims use since on or about Aug. 23, 1923.

Ser. No. 201,215. (CLASS 39. CLOTHING.) WELNERTH KNITTING & MACHINE CO., INC., Reading, Pa. Filed Aug. 9, 1924.

MAIDEN GLOW

Particular description of goods.—Ladies' Hosiery.
Claims use since Jan. 5, 1924.

Ser. No. 201,220. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON COHN, Paris, France. Filed Aug. 11, 1924.



No claim is made to the exclusive right to the use of the words "Scents," "Paris," "France," and "Guaranteed Made and Bottled in France" apart from the mark shown in the drawing.

Particular description of goods.—Perfumes.
Claims use since Jan. 1, 1924.

Ser. No. 201,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH PLATTE FLOUR MILLS, North Platte, Nebr. Filed Aug. 11, 1924.



Particular description of goods.—Wheat Flour.
Claims use since May 21, 1924.

Ser. No. 201,268. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WESTERN HAIR GOODS COMPANY, Chicago, Ill. Filed Aug. 11, 1924.

Le Royal

Particular description of goods.—Hair Goods—Namely, Transformations.
Claims use since July 18, 1924.

327 O. G.—17

Ser. No. 201,290. (CLASS 37. PAPER AND STATIONERY.) GRAFF-UNDERWOOD COMPANY, Somerville, Mass. Filed Aug. 12, 1924.

VIZ

Trade-mark "Viz."
Particular description of goods.—File Signals—Namely, a Separable Index or Guide for Attachment to Cards, Pages of Books, and the Like.
Claims use since Feb. 1, 1924.

Ser. No. 201,304. (CLASS 20. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Aug. 12, 1924.

BRILLETE

Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, Nightshirts, Pyjamas, and Boys' Blouses.

Claims use since February, 1924.

Ser. No. 201,305. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Aug. 12, 1924.

SILKPLUS

Particular description of goods.—Dress Shirts, Negligee Shirts, Nightshirts, Pyjamas, and Boys' Blouses.
Claims use since February, 1924.

Ser. No. 201,334. (CLASS 39. CLOTHING.) CHAS. DOUGLIS-MACK CO., INC., doing business as The Silver-Stripe Co., Inc., New York, N. Y. Filed Aug. 13, 1924.



No claim is made to the exclusive use of the words "Genuine" and "New York" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the use of these words as elements of the complete mark.

Particular description of goods.—Men's, Young Men's, and Boys' Clothes, Overcoats; Two-Piece Suits—viz, Coats and Trousers; Three-Piece Suits—viz, Coats, Vests, and Trousers; and Coats, Vests, and Trousers Separately.
Claims use since Mar. 11, 1924.

Ser. No. 201,335. (CLASS 39. CLOTHING.) CHAS. DOUGLIS-MACK CO., INC., doing business as The Silver-strype Co., Inc., New York, N. Y. Filed Aug. 13, 1924.



No claim is made to the exclusive use of the words "Genuine," "Virgin Wool," "Sult," "Sun Proof," "Guaranteed," and "New York," apart from the mark as shown in the drawing, without, however, waiving the common-law right to the use of these words as elements of the complete mark.

Particular description of goods.—Overcoats; Two-Piece Suits—viz. Coats and Trousers; Three-Piece Suits—Coats, Vests, and Trousers; and Coats, Vests, and Trousers Separately.

Claims use since July 31, 1923.

Ser. No. 201,349. (CLASS 2. RECEPTACLES.) KAUSTINE COMPANY, INC., Buffalo, N. Y. Filed Aug. 13, 1924.

KITCH-KAN

Particular description of goods.—Garbage Cans.
Claims use since July 29, 1924.

Ser. No. 201,352. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Aug. 13, 1924.

LAW-RE-LAC

Particular description of goods.—Varnish Stain.
Claims use since about Oct. 14, 1914.

Ser. No. 201,353. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Aug. 13, 1924.

KLEAN-ITT

Particular description of goods.—Paint and Varnish Removers.
Claims use since about Apr. 1, 1908.

Ser. No. 201,357. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM M. LIEBSTEIN, New York, N. Y. Filed Aug. 13, 1924.

ZABETOL

Particular description of goods.—Preparation for the Treatment of Infected Wounds, Gangrene, and Allied Conditions.

Claims use since Aug. 8, 1924.

Ser. No. 201,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MACK BOUTCHARD & SON, Caribou, Me. Filed Aug. 14, 1924.

REDBALL BRAND



No claim is made to the word "Brand" appearing on the drawing. The lining on the drawing is intended to indicate the color red.

Particular description of goods.—Table Potatoes in Their Natural State.

Claims use since December, 1921.

Ser. No. 201,405. (CLASS 12. CONSTRUCTION MATERIALS.) WALTER S. KRAUS, New York, N. Y. Filed Aug. 14, 1924.

KASTONE

Particular description of goods.—Construction Columns, Blocks, Bricks, and Sections; Artificial-Stone Furniture, Balustrades, Artificial-Stone Mantel Pieces, and Artificial-Stone Fountains.

Claims use since January, 1922.

Ser. No. 201,417. (CLASS 39. CLOTHING.) E. SUTRO & SON COMPANY, INC., Philadelphia, Pa. Filed Aug. 14, 1924.

Shopper's

Particular description of goods.—Hosiery.
Claims use since July 18, 1924.

Ser. No. 201,423. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BUTTER AND CHEESE COMPANY, Detroit, Mich. Filed Aug. 15, 1924.



Particular description of goods.—Butter.
Claims use since June 25, 1924.

Ser. No. 201,456. (CLASS 2. RECEPTACLES.) VICTOR L. KRANNERT, doing business as Mallard Products Company, Anderson, Ind. Filed Aug. 15, 1924.



Particular description of goods.—Shipping Container.
Claims use since May, 1924.

Ser. No. 201,463. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MUNRO & HARTFORD CO., New York, N. Y. Filed Aug. 15, 1924.



The lining in drawing represents the colors red, yellow, blue, and black.

Particular description of goods.—Commercial Prints, Advertising Insertions, and Printed and Lithographed Labels.

Claims use since 1918.

Ser. No. 201,481. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMO ALAURA, doing business as La Lavandina Washing Water Co., East Boston, Mass. Filed Aug. 16, 1924.

LA LAVANDINA



WASHING WATER

No claim being made to the words "Washing Water."
Particular description of goods.—A Washing Liquid for Laundering of Clothes.
Claims use since 1921.

Ser. No. 201,489. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM C. CLARK, Brooklyn, N. Y. Filed Aug. 16, 1924.



Particular description of goods.—Medicine for the Treatment of Rheumatism and Sciatica.
Claims use since on or about Mar. 22, 1924.

Ser. No. 201,494. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 16, 1924.

Purlcrepe

Particular description of goods.—Woolen Piece Goods.
Claims use since July 1, 1924.

Ser. No. 201,495. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 16, 1924.

Purlsuède

Particular description of goods.—Woolen Piece Goods.
Claims use since July 1, 1924.

Ser. No. 201,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL K. GISH, doing business as The Lull Remedy Co., New York, N. Y. Filed Aug. 16, 1924.

SEA-LULL

Particular description of goods.—Preparation for the Prevention and Treatment of Seasickness and Car Sickness.

Claims use since July 19, 1924.

Ser. No. 201,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRA M. KIMBALL, doing business as Universal Drug Co., Memphis, Tenn. Filed Aug. 16, 1924.

RACE-TAN

Particular description of goods.—Complexion Ointment.

Claims use since Mar. 1, 1924.

Ser. No. 201,513. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHEAFFER & MARVEL, Philadelphia, Pa. Filed Aug. 16, 1924.



The exclusive right to the use of the word "Dependable" is herein disclaimed apart from the mark as shown on the drawing, without waiving, however, any common-law rights thereto.

Particular description of goods.—Butter, Eggs, Cheese, and Olive Oil.

Claims use since November, 1922.

Ser. No. 201,519. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ARNOLD J. TANNER, doing business as O-T Manufacturing Company, New Haven, Conn. Filed Aug. 16, 1924.

BETA

Trade-mark consists of the word "Beta."
Particular description of goods.—Can Openers.
Claims use since July 1, 1924.

Ser. No. 201,526. (CLASS 39. CLOTHING.) ARCHER RUBBER COMPANY, Milford, Mass. Filed Aug. 18, 1924.

CLUBCHEK TOSHER

Particular description of goods.—Waterproof Clothing—viz, Rubberized Coats or Raincoats, Rubberized Golf Suits Consisting of a Rubber Jacket and Rubber Pantaloon, Rubberized Rain Capes, and Rubberized Rain Hats.

Claims use since May 1, 1924.

Ser. No. 201,543. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) COCA COLA BOTTLING COMPANY OF LOS ANGELES, Los Angeles, Calif. Filed Aug. 18, 1924.

CIRCLE C



Particular description of goods.—Nonalcoholic, Maltless Beverages, Carbonated Beverages, Fountain Syrups, Bottlers' Syrups, Bottlers' Extracts, Natural or Distilled Drinking Water, Carbonated Water.

Claims use since June 2, 1924.

Ser. No. 201,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COREGA CHEMICAL COMPANY, Cleveland, Ohio. Filed Aug. 18, 1924.

CO-RE-GA

Particular description of goods.—Dental Powder for Assisting in Holding Dental Plates in the Mouth.

Claims use since July 12, 1913.

Ser. No. 201,563. (CLASS 39. CLOTHING.) THE JONES, WITTER AND COMPANY, Columbus, Ohio. Filed Aug. 18, 1924.



Particular description of goods.—Ladies' Hosiery.
Claims use since May 22, 1924.

Ser. No. 201,577. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. A. POWELL & COMPANY, Trenton, N. J. Filed Aug. 18, 1924.



No claim is made to the words "Herb Medicine" apart from the mark as shown.

Particular description of goods.—General Tonic.

Claims use since Dec. 1, 1923.

Ser. No. 201,585. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES F. ROOT, doing business as Chas. F. Root & Co., New York, N. Y. Filed Aug. 18, 1924.

Digenol

Particular description of goods.—Tablet or Pill for Indigestion.

Claims use since Jan. 1, 1924.

Ser. No. 201,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN FRANCISCO SULPHUR CO., San Francisco, Calif. Filed Aug. 18, 1924.



Particular description of goods.—Sulphur.

Claims use since July 21, 1924.

Ser. No. 201,589. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCIENTIFIC PRODUCTS, INC., Chicago, Ill. Filed Aug. 18, 1924.

MINTRATED

Particular description of goods.—Magnesia Preparation.

Claims use since Aug. 1, 1924.

Ser. No. 201,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN W. THOMPSON, Portland, Oreg. Filed Aug. 18, 1924.

ENERGENE

Particular description of goods.—Laxative Tablets.

Claims use since Mar. 1, 1906.

Ser. No. 201,648. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Aug. 20, 1924.

PARK AVENUE

Particular description of goods.—Toilet Powders, Rouge, and Brilliantine.

Claims use since Aug. 14, 1924.

Ser. No. 201,650. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) R. H. COMBY COMPANIES CONSOLIDATED, Brooklyn, N. Y. Filed Aug. 20, 1924.



Particular description of goods.—Dyed and Bleached Straw Braids.

Claims use since Apr. 19, 1924.

Ser. No. 201,664. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. HREJSA, Chicago, Ill. Filed Aug. 20, 1924.

PYRAK

Particular description of goods.—Ointment for Burns.

Claims use since July, 1918.

Ser. No. 201,704. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH H. JUDITH, doing business as The J. H. Judith Co., Evansville, Ind. Filed Aug. 21, 1924.

RHEINGOLD

Particular description of goods.—Extract of Malt and Hops for Food Purposes.
Claims use since July 15, 1924.

Ser. No. 201,714. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE PEP-TONE CORPORATION OF AMERICA, Tampa, Fla. Filed Aug. 21, 1924.



Particular description of goods.—Carbonated, Maltless, Nonalcoholic Beverage and Syrups for Making the Same.
Claims use since Aug. 1, 1924.

Ser. No. 201,762. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Aug. 22, 1924.

IMPERIAL

Particular description of goods.—Chrome Ore.
Claims use since December, 1908.

Ser. No. 201,874. (CLASS 32. FURNITURE AND UP-HOLSTERY.) ARIEL CABINET COMPANY, Peru, Ind. Filed Aug. 26, 1924.

"ARIEL HANDY HELPER"

Particular description of goods.—Kitchen Cabinets and Cabinet Bases and Tables.
Claims use since Jan. 1, 1923.

Ser. No. 201,914. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMERICAN HATERS AND FURRIERS COMPANY, INCORPORATED, Danbury, Conn. Filed Aug. 27, 1924.

A.S.

Particular description of goods.—Carroted Fur.
Claims use since August, 1923.

Ser. No. 201,941. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTERN SAFETY RAZOR COMPANY, Los Angeles, Calif. Filed Aug. 27, 1924.

Princess

Particular description of goods.—Safety Razors and Safety-Razor Blades.
Claims use since May 1, 1924.

Ser. No. 201,994. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MERKLE BROOM CO., Paris, Ill. Filed Aug. 28, 1924.



Particular description of goods.—Brooms.
Claims use since about Jan. 1, 1918.

Ser. No. 202,020. (CLASS 32. FURNITURE AND UP-HOLSTERY.) THE KOPPER KRAFT SHOPS, INC., Buffalo, N. Y. Filed Aug. 29, 1924.

Kopper-kraft

Particular description of goods.—Book Ends Constructed Wholly or Partially of Metal.
Claims use since Sept. 1, 1923.

Ser. No. 202,036. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUCKL & CO., INC., San Francisco, Calif. Filed Aug. 29, 1924.

WATAJOY

Particular description of goods.—Canned Fruits.
Claims use since Aug. 4, 1924.

Ser. No. 202,070. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MIDDLE WEST COAL COMPANY, Cincinnati, Ohio. Filed Aug. 30, 1924.

TEPEE ELKHORN

Particular description of goods.—Coal.
Claims use since Oct. 1, 1915.

Ser. No. 202,071. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MIDDLE WEST COAL COMPANY, Cincinnati, Ohio. Filed Aug. 30, 1924.

RED DRAGON

Particular description of goods.—Coal.
Claims use since July 1, 1923.

Ser. No. 202,072. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MIDDLE WEST COAL COMPANY, Cincinnati, Ohio. Filed Aug. 30, 1924.

FLAMBEAU

Particular description of goods.—Coal.
Claims use since Jan. 1, 1921.

Ser. No. 202,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEQUETTE ORANGE CIRCLE CO., Arlington, Calif. Filed Aug. 30, 1924.

Orange Circle

Particular description of goods.—Preserved Fruits—Namely, Orange Preserves.
Claims use since Aug. 1, 1923.

Ser. No. 202,088. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLESSEN MANUFACTURING COMPANY, Malden, Mass. Filed Aug. 30, 1924.



Particular description of goods.—Soaps.
Claims use since Dec. 20, 1922.

Ser. No. 202,092. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MARIA BALDI, doing business as The Lawrence Baldi Co., Laconia, N. H. Filed Sept. 2, 1924.

Elite

Particular description of goods.—Carbonated, Maltless, Nonalcoholic Beverages and Syrups for Making Same.
Claims use since May 1, 1923.

Ser. No. 202,100. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FRANCIS J. DICKINSON, doing business as F. J. Dickinson & Sons, Freeport, Ill. Filed Sept. 2, 1924.

RO-ME-OH

Particular description of goods.—Fountain Syrups and Carbonated and Uncarbonated Drinks.
Claims use since Mar. 20, 1924.

Ser. No. 202,133. (CLASS 12. CONSTRUCTION MATERIALS.) MITCHELL CLAY MFG. CO., St. Louis, Mo. Filed Sept. 2, 1924.

GRAND VIEW

Particular description of goods.—Fire Brick, Furnace Linings, Glass-Pot Mixtures, and Refractory Material Used in the Construction of Glass and Zinc and Similar Furnaces.
Claims use since about Feb. 1, 1920.

Ser. No. 202,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RED FOX ORCHARDS, Orange, Calif. Filed Sept. 2, 1924.

MOHICAN

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges.
Claims use since Aug. 21, 1923.

Ser. No. 202,155. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Sept. 2, 1924.

GYPLATH

Particular description of goods.—Plaster Board and Plaster Wall Board.
Claims use since Aug. 4, 1924.

Ser. No. 202,169. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOHN E. HALLIGAN, Boston, Mass. Filed Sept. 3, 1924.



Particular description of goods.—Leather in the Piece.
Claims use since Aug. 1, 1922.

Ser. No. 202,181. (CLASS 32. FURNITURE AND UPHOLSTERY.) CHARLES P. ROGERS & Co., Inc., New York, N. Y. Filed Sept. 3, 1924.

THE BENJAMIN FRANKLIN

Particular description of goods.—Upholstered Box Springs and Mattresses.
Claims use since July 30, 1924.

Ser. No. 202,193. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE F. S. AINSA CO. INC., El Paso, Tex. Filed Sept. 4, 1924.

LA JARRA

Particular description of goods.—Coffee.
Claims use since Aug. 28, 1924.

Ser. No. 202,195. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) AMERICA O-T LIMITED, INCORPORATED, San Francisco, Calif. Filed Sept. 4, 1924.

SQUASH

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Nov. 10, 1919.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 14, 1924.

190,290. ROAD-WHEELS AND STEERING-WHEELS AND PARTS THEREOF. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed October 1, 1920. Serial No. 137,816. PUBLISHED JUNE 21, 1921.

190,291. HOSIERY. J. H. BLAETZ, Philadelphia, Pa.
Filed November 19, 1921. Serial No. 155,595. PUBLISHED APRIL 3, 1923.

190,292. BUMPER, BUMPER BRACKETS, AND BUMPER FITTINGS. COX BRASS MANUFACTURING COMPANY, Albany, N. Y., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio, a Corporation of Ohio.
Filed April 24, 1922. Serial No. 162,803. PUBLISHED APRIL 17, 1923.

190,293. AUTOMOBILE BUMPER, BUMPER BRACKETS, BUMPER FITTINGS, SHOCK ABSORBERS, AND WINDSHIELDS. COX BRASS MANUFACTURING COMPANY, Albany, N. Y., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio, a Corporation of Ohio.
Filed April 24, 1922. Serial No. 162,806. PUBLISHED APRIL 17, 1923.

190,294. PREPARATION FOR A DOUCHE FOR VAGINAL DISORDERS. THE VINCENT DRUG COMPANY, Texarkana, Ark.
Filed May 22, 1922. Serial No. 164,281. PUBLISHED AUGUST 14, 1923.

190,295. SALAD OIL. DOMINICK TRAPANI, Buffalo, N. Y.
Filed July 1, 1922. Serial No. 166,414. PUBLISHED JULY 8, 1924.

190,296. TIRES COMPOSED WHOLLY OR PARTIALLY OF RUBBER. THE PHARIS TIRE & RUBBER CO., Newark, Ohio.
Filed September 9, 1922. Serial No. 169,263. PUBLISHED MARCH 13, 1923.

190,297. ARM BANDS OF THE TYPE COMMERCIALY CALLED ARMLETS, SUSPENDERS, HOSIERY, AND BELTS FOR PERSONAL WEAR. GREENBERG, WEIL & MICHELS, San Francisco, Calif.
Filed September 18, 1922. Serial No. 169,592. PUBLISHED JULY 22, 1924.

190,298. PAPAVERINE NITRITE, PAPAVERINE SALTS, MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR REDUCING BLOOD PRESSURE, PHARMACEUTICAL PREPARATIONS FOR TREATING DISEASES OF THE EAR, REMEDIES FOR WOUNDS, SALVES FOR WOUNDS, AND PLASTERS FOR WOUNDS. C. H. BOEHRINGER SOHN, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed January 2, 1923. Serial No. 174,061. PUBLISHED AUGUST 5, 1924.

190,299. DISINFECTANTS. CARL M. RENKERT, doing business as A. Renkert & Co., Memphis, Tenn.
Filed February 7, 1923. Serial No. 175,679. PUBLISHED JULY 22, 1924.

190,300. PREPARATION FOR BATHING AND MASSAGING THE SKIN. JOHN T. MILLIKEN & COMPANY, St. Louis, Mo.
Filed February 24, 1923. Serial No. 176,562. PUBLISHED JULY 22, 1924.

190,301. MARBLE AND LIMESTONE FINISHED FOR CONSTRUCTION PURPOSES. CARTHAGE MARBLE AND WHITE LIME COMPANY, Carthage, Mo.
Filed February 26, 1923. Serial No. 176,601. PUBLISHED JULY 29, 1924.

190,302. HAIR POMADES. THEOPHILUS O. WILLIAMS, doing business as Southern Laboratories, Petersburg, Va.
Filed March 12, 1923. Serial No. 177,341. PUBLISHED AUGUST 5, 1924.

190,303. FACE POWDER, COMPACT ROUGE, LIP POMADE, PERFUMES, AND EYEBROW PENCILS. GIMBEL BROTHERS, NEW YORK, New York, N. Y.
Filed March 22, 1923. Serial No. 177,842. PUBLISHED JULY 22, 1924.

190,304. ORNITHOLOGICAL PREPARATIONS. THE WILSON SEED AND FLORAL COMPANY, Columbus, Ohio.

Filed March 27, 1923. Serial No. 178,155. PUBLISHED JULY 29, 1924.

190,305. LIQUID FINGER-NAIL POLISH. WILLIAM E. GORDON, doing business as Gordon Specialty Company, New York, N. Y.

Filed March 28, 1923. Serial No. 178,177. PUBLISHED JULY 22, 1924.

190,306. BELTS FOR PERSONAL WEAR. THE GIFFORD-WEIFFENBACH COMPANY, doing business as The Habanix Leather Products Company, Adrian, Mich.
Filed April 6, 1923. Serial No. 178,661. PUBLISHED JULY 22, 1924.

190,307. FACE POWDER. LADY ESTHER CO., Chicago, Ill.
Filed April 23, 1923. Serial No. 179,538. PUBLISHED JULY 22, 1924.

190,308. BEDBUG EXTERMINATOR, ROACH-KILLER POWDER, AND ANT KILLER. LEO SHAPIRO, doing business as American Chemical Works, Minneapolis, Minn.

Filed April 25, 1923. Serial No. 179,684. PUBLISHED JULY 22, 1924.

190,309. FIRE BRICK. EVENS & HOWARD FIRE BRICK CO., St. Louis, Mo.

Filed May 1, 1923. Serial No. 179,995. PUBLISHED OCTOBER 23, 1923.

190,310. CORSETS. SEARS, ROEBUCK AND CO., Chicago, Ill.

Filed January 9, 1924. Serial No. 190,615. PUBLISHED JULY 22, 1924.

190,311. RADIATOR COMPOUND OR CEMENT. THE GOVERNMENT SQUARE GARAGE COMPANY, doing business as The Auto-Crafts Manufacturing Company, Cincinnati, Ohio, assignor to The Cincinnati Auto-Craft Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio.

Filed January 8, 1924. Serial No. 190,541. PUBLISHED JULY 22, 1924.

190,312. LINIMENT FOR BRUISES, CUTS, BURNS, SRAINS, BOILS, SORES, TOOTHACHE, BLOOD POISONING, LOCKJAW, BRONCHIAL TROUBLE, CHEST COLD AND LUNGS, CANCER PAINS OF THE BOWELS AND STOMACH, ETC. EDWARD D. GAST, doing business as Beats-All Liniment, Lima, Ohio.

Filed December 22, 1923. Serial No. 190,014. PUBLISHED AUGUST 5, 1924.

- 190,313. POMADE FOR STRAIGHTENING THE HAIR. AUREOLA LABORATORIES, INC., New York, N. Y.
Filed December 7, 1923. Serial No. 189,348. PUBLISHED JULY 29, 1924.
- 190,314. INJECTION FOR VENEREAL DISEASES. HENRY FREDERICK BADER, New Albany, Ind.
Filed December 5, 1923. Serial No. 189,233. PUBLISHED FEBRUARY 19, 1924.
- 190,315. SULPHUR LIQUID COMPOUND. THE PEP CHEMICAL CO., Burbank, Calif.
Filed January 25, 1924. Serial No. 191,280. PUBLISHED JULY 22, 1924.
- 190,316. DISINFECTANT LIQUIDS. DANIEL N. HITCHCOCK, doing business as Purity Chemical Co., Seattle, Wash.
Filed November 22, 1923. Serial No. 188,678. PUBLISHED AUGUST 5, 1924.
- 190,317. RAILWAY CARS. THE PULLMAN COMPANY, Chicago, Ill.
Filed November 15, 1923. Serial No. 188,377. PUBLISHED FEBRUARY 26, 1924.
- 190,318. PLAY SUITS, HOSIERY; UNDERWEAR MADE OF KNITTED AND TEXTILE FABRIC AND USED FOR MEN, WOMEN, AND CHILDREN; BOYS' BLOUSES AND OVERALLS; AND DRESS, NEGLIGEE, AND WORK SHIRTS. SMITH, BEIR & GORMLY, Rochester, N. Y., assignors to Smith Gormly Co., Inc., Rochester, N. Y.
Filed November 14, 1923. Serial No. 188,331. PUBLISHED JULY 29, 1924.
- 190,319. CLOTHING. JOSEPH W. WEIN, doing business as National Chain Stores, Spokane, Wash.
Filed October 16, 1923. Serial No. 187,074. PUBLISHED JULY 29, 1924.
- 190,320. PREPARATION FOR CRAMPS. GEORGE F. SCOTT, Bath, N. Y.
Filed October 15, 1923. Serial No. 187,021. PUBLISHED JULY 29, 1924.
- 190,321. FACE POWDER, TALCUM POWDER, AND TOILET WATER. MARINELLO COMPANY, La Crosse, Wis.
Filed September 28, 1923. Serial No. 186,324. PUBLISHED JULY 22, 1924.
- 190,322. SHOCK ABSORBERS. AEROBELLE COMPANY, Worcester, Mass.
Filed September 22, 1923. Serial No. 186,041. PUBLISHED DECEMBER 11, 1923.
- 190,323. AUTOMOBILE ACCESSORIES—NAMESLY, METAL FRAMES FOR HOLDING GLASS IN CURTAINS; GLARE SHIELDS, LATTER BEING A METAL BRACKET ADJUSTABLY SUPPORTING TINTED GLASS TO NEUTRALIZE THE GLARE FROM APPROACHING HEADLIGHTS. HAINES MANUFACTURING CORPORATION, Rochester, N. Y.
Filed August 31, 1923. Serial No. 185,219. PUBLISHED FEBRUARY 19, 1924.
- 190,324. IRONING WAX AND WASHING TABLETS FOR SOFTENING WATER AND REMOVING STAINS. W. R. HOLLINGSHEAD, Inc., Binghamton, N. Y.
Filed June 8, 1923. Serial No. 181,689. PUBLISHED JULY 22, 1924.
- 190,325. SHAMPOO PREPARATION. Mrs. M. P. FITZGERALD, Houston, Tex.
Filed June 4, 1923. Serial No. 181,524. PUBLISHED JULY 29, 1924.
- 190,326. INSECTICIDES AND FUNGICIDES IN TABLET FORM. EARP-THOMAS CULTURES CORPORATION, New York and Long Island City, N. Y.
Filed May 24, 1923. Serial No. 181,063. PUBLISHED JULY 22, 1924.

- 190,327. REMEDY IN LIQUID FORM FOR THE TREATMENT OF AFFECTIONS OR DISORDERS OF THE KIDNEYS, LIVER, AND STOMACH, AND ALSO FOR A LAXATIVE PILL. ANNA M. MALONEY, doing business as The Ra-Bo-Na Co., Cincinnati, Ohio.
Filed May 14, 1923. Serial No. 180,612. PUBLISHED JULY 22, 1924.
- 190,328. SOLDERING COMPOSITION. JOHN LAEWEN, Mount Joy, Pa.
Filed May 14, 1923. Serial No. 180,609. PUBLISHED JULY 22, 1924.
- 190,329. FOOT POWDER. MARY A. JACKSON, doing business as Ideal Foot Powder Co., Pomona, Calif.
Filed May 5, 1923. Serial No. 180,222. PUBLISHED AUGUST 5, 1924.
- 190,330. WATCHCASES. AARON KAMION, doing business as Kamion Watch Case Co., New York, N. Y.
Filed May 22, 1924. Serial No. 197,435. PUBLISHED JULY 22, 1924.
- 190,331. HOISTS. THE WRIGHT MANUFACTURING COMPANY, Lisbon, Ohio.
Filed May 17, 1924. Serial No. 197,235. PUBLISHED JULY 22, 1924.
- 190,332. LEATHER GLOVES. THE POSTMAN COMPANY, Inc., New York, N. Y.
Filed May 17, 1924. Serial No. 197,218. PUBLISHED JULY 22, 1924.
- 190,333. MOUTH HARMONICAS. M. HOHNER, Inc., New York, N. Y.
Filed May 17, 1924. Serial No. 197,203. PUBLISHED JULY 22, 1924.
- 190,334. MOUTH HARMONICAS. M. HOHNER, Inc., New York, N. Y.
Filed May 17, 1924. Serial No. 197,202. PUBLISHED JULY 22, 1924.
- 190,335. CLOCKS AND PARTS THEREOF EXCLUSIVE OF STRIKING CLOCKS. HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany.
Filed May 15, 1924. Serial No. 197,073. PUBLISHED JULY 22, 1924.
- 190,336. CANDY AND CONFECTIONERY CONSISTING OF FUDGE, NUGGET, AND CARAMEL, GOLDEN NUGGET SWEETS, San Francisco, Calif.
Filed May 8, 1924. Serial No. 196,737. PUBLISHED JULY 29, 1924.
- 190,337. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. THE ELDER COMPANY, Middletown, Conn.
Filed May 3, 1924. Serial No. 196,517. PUBLISHED JULY 22, 1924.
- 190,338. MOUTH HARMONICAS. M. HOHNER, Inc., New York, N. Y.
Filed April 25, 1924. Serial No. 196,116. PUBLISHED JULY 8, 1924.
- 190,339. CERTAIN NAMED ARTICLES OF JEWELRY. KATZ & OGUSHI, Inc., New York, N. Y.
Filed April 17, 1924. Serial No. 195,693. PUBLISHED JULY 22, 1924.
- 190,340. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS OF THE SAME. "LIGA" WATCH MANUFACTORY, LIMITED, Soleure, Switzerland.
Filed April 16, 1924. Serial No. 195,647. PUBLISHED JULY 22, 1924.
- 190,341. WASHBOARDS. THE COLUMBUS WASHBOARD COMPANY, Columbus, Ohio.
Filed April 14, 1924. Serial No. 195,496. PUBLISHED JULY 22, 1924.
- 190,342. PRINTING INKS. INTERNATIONAL INTAGLIO CORPORATION, New York, N. Y.
Filed April 9, 1924. Serial No. 195,220. PUBLISHED JULY 29, 1924.

- 190,343. WATCHES, WATCH MOVEMENTS, WATCHCASES, CLOCKS, AND PARTS THEREOF. HOFFMAN BROS., Inc., New York, N. Y.
Filed April 3, 1924. Serial No. 194,921. PUBLISHED JULY 22, 1924.
- 190,344. PERFORATED MUSIC ROLLS FOR THE OPERATION OF PLAYER PIANOS AND THE LIKE. THE HAR-MEL MUSIC PUBLISHING COMPANY, Baltimore, Md.
Filed March 8, 1924. Serial No. 193,460. PUBLISHED JULY 22, 1924.
- 190,345. PIANOS. FRANK S. BOTEFUHR & SON, Pittsburgh, Kans.
Filed March 7, 1924. Serial No. 193,380. PUBLISHED JUNE 17, 1924.
- 190,346. LAUNDRY NETS. THE LINEN THREAD CO., New York, N. Y.
Filed March 6, 1924. Serial No. 193,343. PUBLISHED JULY 8, 1924.
- 190,347. PEARLS AND PEARL BEADS, GENUINE AND IMITATION. TREULICH & KLAAS, Chicago, Ill.
Filed March 5, 1924. Serial No. 193,313. PUBLISHED JULY 8, 1924.
- 190,348. IMITATION DIAMONDS. GARFIELD IMPORTING CO., Chicago, Ill.
Filed March 3, 1924. Serial No. 193,164. PUBLISHED JULY 22, 1924.
- 190,349. IRONING BOARDS. EARL V. SANDERS, Pawnee, Ill.
Filed November 23, 1923. Serial No. 188,775. PUBLISHED JULY 22, 1924.
- 190,350. JEWELRY FOR PERSONAL WEAR. COHN & ROSENBERGER, Inc., New York, N. Y.
Filed September 15, 1923. Serial No. 185,812. PUBLISHED FEBRUARY 12, 1924.
- 190,351. COCOA. HOLLANDSCHE CACAO-EN CHOCOLADE-FABRIEKEN V/H BENDSROP & Co., Amsterdam, Netherlands.
Filed August 4, 1922. Serial No. 167,815. PUBLISHED AUGUST 5, 1924.
- 190,352. CERTAIN TABLE WARE AND LUNCH BOXES MADE OF PRECIOUS-METAL WARE. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio.
Filed July 31, 1922. Serial No. 167,636. PUBLISHED OCTOBER 9, 1923.
- 190,353. OARS AND PADDLES. ANCHOR SAWMILLS COMPANY, Pelham Manor and New York, N. Y.
Filed June 3, 1924. Serial No. 197,980. PUBLISHED AUGUST 5, 1924.
- 190,354. MEDICINE FOR AILMENTS OF THE STOMACH AND BOWEL SYSTEM. JOS. M. PLUMERY CO., Oak Park, Ill.
Filed May 31, 1924. Serial No. 197,902. PUBLISHED AUGUST 5, 1924.
- 190,355. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed May 29, 1924. Serial No. 197,814. PUBLISHED AUGUST 5, 1924.
- 190,356. PREPARATION FOR THE CLEANING OF GLASSWARE, POTTERY, EARTHENWARE, AND METAL. GLASSNAMES COMPANY, Inc., New York, N. Y.
Filed May 29, 1924. Serial No. 197,807. PUBLISHED AUGUST 5, 1924.
- 190,357. CERTAIN TOILET PREPARATIONS. SAUSIER, Inc., doing business as Chez Rellew Laboratories, Bethlehem, Pa.
Filed May 28, 1924. Serial No. 197,776. PUBLISHED AUGUST 5, 1924.
- 190,358. CERTAIN TOILET PREPARATIONS. SAUSIER, Inc., doing business as Chez Rellew Laboratories, Bethlehem, Pa.
Filed May 28, 1924. Serial No. 197,775. PUBLISHED AUGUST 5, 1924.
- 190,359. SOAP. THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio.
Filed May 28, 1924. Serial No. 197,769. PUBLISHED AUGUST 5, 1924.
- 190,360. CANDY. GRAMMAS CANDY COMPANY, Birmingham, Ala.
Filed May 28, 1924. Serial No. 197,758. PUBLISHED AUGUST 5, 1924.
- 190,361. WEEKLY MAGAZINE. THE AMERICAN FIELD PUBLISHING CO., Chicago, Ill.
Filed May 28, 1924. Serial No. 197,695. PUBLISHED JULY 29, 1924.
- 190,362. CHEMICAL TABLET USED FOR INCREASING THE EFFICIENCY OF GASOLINE. HY-GAS LABORATORIES, Inc., New York, N. Y.
Filed May 27, 1924. Serial No. 197,666. PUBLISHED AUGUST 5, 1924.
- 190,363. MATTRESSES, PILLOWS, CUSHIONS, AND PADS. R. H. WHITE COMPANY, Boston, Mass.
Filed May 21, 1924. Serial No. 197,405. PUBLISHED JULY 29, 1924.
- 190,364. ARTIFICIAL FLOWERS. VETERANS OF FOREIGN WARS OF THE UNITED STATES, Kansas City, Kans.
Filed May 20, 1924. Serial No. 197,345. PUBLISHED JULY 29, 1924.
- 190,365. CREAMLIKE PREPARATION FOR SHAVING AND SKIN-HEALING PURPOSES. HAMLIN & ADAMS, Los Angeles, Calif.
Filed May 19, 1924. Serial No. 197,274. PUBLISHED AUGUST 5, 1924.
- 190,366. CREAMLIKE PREPARATION FOR SHAVING AND SKIN-HEALING PURPOSES. HAMLIN & ADAMS, Los Angeles, Calif.
Filed May 19, 1924. Serial No. 197,273. PUBLISHED AUGUST 5, 1924.
- 190,367. RADIO RECEIVING SETS. FREDERICK J. NAYLOR, Brooklyn, N. Y.
Filed May 9, 1924. Serial No. 196,820. PUBLISHED JULY 29, 1924.
- 190,368. RADIO ACCESSORIES—VIZ, RADIO SOCKETS, DIALS, CRYSTAL DETECTORS, PANELS, BINDING POSTS, SWITCH LEVERS, CONTACT POINTS, SOCKET BRACKETS, KNOBS, AND VERNIER CONTROLS. MAX KOSSMANN, doing business as Radio Sales Co., New York, N. Y.
Filed May 9, 1924. Serial No. 196,814. PUBLISHED JULY 29, 1924.
- 190,369. ELECTRIC LAMPS USEFUL AS PERFUME BURNERS. GUSTAVE WEISSMANN, Paris, France.
Filed May 8, 1924. Serial No. 196,781. PUBLISHED JULY 29, 1924.
- 190,370. STORAGE BATTERIES. LINK & HEMRICK, Inc., New York, N. Y.
Filed May 7, 1924. Serial No. 196,710. PUBLISHED JULY 29, 1924.
- 190,371. ELECTRICAL PLUGS, ATTACHMENT PLUGS, AND SWITCH PLUGS. BEAVER MACHINE & TOOL CO., Inc., Newark, N. J.
Filed May 7, 1924. Serial No. 196,687. PUBLISHED JULY 29, 1924.
- 190,372. VENTILATORS. JOHN A. CALL, doing business as The John Call Co., Philadelphia, Pa.
Filed June 3, 1924. Serial No. 197,990. PUBLISHED AUGUST 5, 1924.
- 190,373. CANNED SHRIMP. GLYNN CANNING COMPANY, Brunswick, Ga.
Filed June 18, 1924. Serial No. 198,738. PUBLISHED AUGUST 5, 1924.
- 190,374. CHOCOLATE CANDY. BISHOP & COMPANY, Los Angeles, Calif.
Filed June 18, 1924. Serial No. 198,729. PUBLISHED AUGUST 5, 1924.

- 190,375. COFFEE. MAURY-COLE COMPANY, Memphis, Tenn.
Filed June 16, 1924. Serial No. 198,657. PUBLISHED AUGUST 5, 1924.
- 190,376. REMEDY FOR LA GRIPPE, COUGHS, AND COLDS. VICK MEDICINE COMPANY, Albany, Ga.
Filed June 14, 1924. Serial No. 198,598. PUBLISHED AUGUST 5, 1924.
- 190,377. PROPHYLACTIC ANTISEPTIC FOR WOMEN. JELEN MANUFACTURING CO. INC., New York, N. Y.
Filed June 13, 1924. Serial No. 198,526. PUBLISHED AUGUST 5, 1924.
- 190,378. PREPARATION FOR COUGHS, COLDS, GRIPPE, AND INFLUENZA. LEONA K. YODER, doing business as The Grystol Company, Chicago, Ill.
Filed June 3, 1924. Serial No. 198,042. PUBLISHED AUGUST 5, 1924.
- 190,379. VENTILATORS. JOHN A. CALL, doing business as The John Call Co., Philadelphia, Pa.
Filed June 3, 1924. Serial No. 197,991. PUBLISHED AUGUST 5, 1924.
- 190,380. SPARK PLUGS. LEICH ELECTRIC COMPANY, Genoa, Ill.
Filed March 15, 1924. Serial No. 193,841. PUBLISHED JULY 8, 1924.
- 190,381. TUNING INDUCTANCES FOR RADIOCIRCUITS. PATRICK J. KELLY, Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,837. PUBLISHED JULY 22, 1924.
- 190,382. RADIO TRANSMITTING AND RECEIVING SETS, COILS, AND REPAIR PARTS THEREFOR. WARE RADIO CORPORATION, New York, N. Y.
Filed March 13, 1924. Serial No. 193,741. PUBLISHED JULY 22, 1924.
- 190,383. RADIO EQUIPMENT—NAMES, PLUGS, JACKS, CORD TIPS, CORD-TIP JACKS, RHEOSTATS, TUMBLER SWITCHES, INDUCTANCE SWITCHES, FIXED CONDENSERS, AND RESISTANCE UNITS. CARTER RADIO COMPANY, Chicago, Ill.
Filed February 20, 1924. Serial No. 192,557. PUBLISHED JULY 22, 1924.
- 190,384. ELECTRIC SAFETY SWITCHES. THE TRUMBULL-VANDERPOEL ELECTRIC MFG. CO., Bantam, Conn.
Filed February 14, 1924. Serial No. 192,285. PUBLISHED JULY 8, 1924.
- 190,385. ELECTRIC-LIGHTING APPLIANCES, FIXTURES, LAMPS, AND PARTS THEREOF—NAMES, CHANDELIERS, WALL BRACKETS, LANTERNS, CEILING FIXTURES, FLOOR LAMPS, TABLE LAMPS, CANDLESTICKS, AND LAMP POSTS. THE FERRO-ART LIGHTING FIXTURE CO. INC., New York, N. Y.
Filed February 14, 1924. Serial No. 192,249. PUBLISHED JULY 22, 1924.
- 190,386. INDUCTANCE COILS. THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn.
Filed January 24, 1924. Serial No. 191,224. PUBLISHED JULY 22, 1924.
- 190,387. RADIO RECEIVING SETS AND SENDING SETS AND PARTS THEREOF. RICHARD L. JACOBMEYER, doing business as Volsometer Manufacturing Company, Kirkwood, Mo.
Filed January 23, 1924. Serial No. 191,177. PUBLISHED JULY 8, 1924.
- 190,388. TELEPHONE LOUD SPEAKERS. MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y.
Filed January 16, 1924. Serial No. 190,890. PUBLISHED JULY 22, 1924.

- 190,389. RADIO TRANSMITTING AND RECEIVING APPARATUS. GENERAL RADIO WINDING COMPANY, New York, N. Y.
Filed December 15, 1923. Serial No. 189,714. PUBLISHED JULY 22, 1924.
- 190,390. CARBON PAPER. THE CHAMPION CONSERVER COMPANY, Cincinnati, Ohio.
Filed December 5, 1923. Serial No. 189,289. PUBLISHED JULY 22, 1924.
- 190,391. HEALING SALVE. HIRAM GILL, Carthage, Miss.
Filed September 29, 1923. Serial No. 186,362. PUBLISHED AUGUST 5, 1924.
- 190,392. ELECTRIC-ARC LAMPS. AMERICAN KREUGER & TOLL CORPORATION, New York, N. Y.
Filed August 14, 1923. Serial No. 184,432. PUBLISHED JULY 22, 1924.
- 190,393. FINISHED COMMUTATOR SEGMENTS, COPPER BARS AND STRIPS, AND INSULATED COPPER WIRE USED FOR ELECTRICAL PURPOSES. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed May 16, 1923. Serial No. 180,682. PUBLISHED JULY 22, 1924.
- 190,394. CROCHET AND KNITTING NEEDLES. JOSE MARCEL ORTEGA, Addlestone, Surrey, England.
Filed May 1, 1923. Serial No. 180,024. PUBLISHED JULY 22, 1924.
- 190,395. VACUUM CLEANERS AND ATTACHMENTS—NAMES, NOZZLES AND MEANS FOR CONNECTING THE SAME WITH A VACUUM CLEANER. ROBERTSON-CATABACT ELECTRIC COMPANY, Buffalo, N. Y.
Filed March 19, 1923. Serial No. 177,695. PUBLISHED JULY 22, 1924.
- 190,396. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES, AND PRECIOUS-METAL WARE—NAMES, TABLEWARE, FLATWARE, HOLLOW WARE, AND TOILET WARE. SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS ROUAUD, CHOCOLAT DE ROTAT, "A LA MARQUISE DE SEVIGNÉ," Royat, Puy-de-Dôme, France.
Filed March 9, 1923. Serial No. 177,204. PUBLISHED JULY 8, 1924.
- 190,397. FINGER RINGS. BYARD F. BROGAN, Philadelphia, Pa.
Filed February 19, 1923. Serial No. 176,249. PUBLISHED JULY 8, 1924.
- 190,398. ELECTRICAL SPECIALTIES—NAMES, AUTOMOBILE-GENERATOR CUT-OUTS, AUTOMOTIVE MANUFACTURERS OUTLET, INC., New York, N. Y.
Filed November 9, 1922. Serial No. 171,748. PUBLISHED JULY 22, 1924.
- 190,399. ASSEMBLED RADIO RECEIVING SETS AND COMPONENT PARTS THEREOF. THE AEGLIAN COMPANY, New York, N. Y.
Filed June 27, 1922. Serial No. 166,123. PUBLISHED JULY 22, 1924.
- 190,401. HAIR GROWER. EMMA GRIFFIN, Atlanta, Ga.
Filed June 3, 1924. Serial No. 198,002. PUBLISHED AUGUST 5, 1924.
- 190,402. AMMONIA. THE MATHIESON ALKALI WORKS, New York, N. Y.
Filed June 3, 1924. Serial No. 198,018. PUBLISHED JULY 29, 1924.
- 190,403. FACE WASHES. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed June 3, 1924. Serial No. 198,041. PUBLISHED AUGUST 5, 1924.
- 190,404. HAIR TONIC. EMANUEL BICKMAN, doing business as Bickman Chemical Company, Baltimore, Md.
Filed June 4, 1924. Serial No. 198,051. PUBLISHED JULY 29, 1924.

- 190,405. PERFUMES, TOILET WATERS, TOILET LOTIONS, POMADES, FACE AND RICE POWDERS, FACE ROUGES, MASSAGE CREAMS, BRILLIANTINE, COLD CREAMS, HAIR TONICS AND HAIR DYES, DENTIFRICES, PASTES AND POWDERS AND LIQUIDS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR. JACQUES BRACH, Paris, France.
Filed June 14, 1924. Serial No. 198,560. PUBLISHED AUGUST 5, 1924.
- 190,406. PERFUME EXTRACTS, TOILET WATER, FACE LOTIONS, EAU DE COLOGNE, RICE POWDER, TOILET POWDER, DENTIFRICES, AND ROUGE. MADRICE BABANI, Paris, France.
Filed June 16, 1924. Serial No. 198,608. PUBLISHED AUGUST 5, 1924.
- 190,407. FRESH CITRIOUS FRUITS. STRATHMORE ORANGE GROVES CO. INC., Porterville, Calif.
Filed June 5, 1924. Serial No. 198,161. PUBLISHED JULY 29, 1924.
- 190,408. SIZING, FINISHING, AND DETERGENT PREPARATION FOR THE TREATMENT OF TEXTILE FABRICS. THE ARABOL MFG. CO., New York, N. Y.
Filed June 7, 1924. Serial No. 198,206. PUBLISHED JULY 29, 1924.
- 190,409. PREPARATION FOR BOILING COTTON FABRICS. THE ARABOL MFG. CO., New York, N. Y.
Filed June 7, 1924. Serial No. 198,208. PUBLISHED JULY 29, 1924.
- 190,410. CHEMICAL COMPOSITION FOR DESTROYING INSECTS. H. B. NOWLIN, doing business as Killant Chemical Company, Fort Worth, Tex.
Filed June 7, 1924. Serial No. 198,244. PUBLISHED JULY 29, 1924.
- 190,411. REMEDY FOR CONSTIPATION, SOUR STOMACH, DIARRHEA, WORMS, CONVULSIONS, FEVERISHNESS, AND LOSS OF SLEEP. MARGARET J. VIDAL, doing business as Dr. RAWLIT MED. CO., Madison, S. Dak.
Filed June 7, 1924. Serial No. 198,271. PUBLISHED JULY 29, 1924.
- 190,412. OINTMENT FOR USE ON THE SCALP AND HAIR. THE BICKMORE COMPANY, Oldtown, Me.
Filed June 9, 1924. Serial No. 198,282. PUBLISHED JULY 29, 1924.
- 190,413. HAIRDRESSING. MARY CANDLER, Dayton, Ohio.
Filed June 9, 1924. Serial No. 198,286. PUBLISHED AUGUST 5, 1924.
- 190,414. SOLUTIONS CONTAINING GERMANIUM OXIDE AND COMPOUNDS CONTAINING SAME. GRAHAME CHEMICAL COMPANY, Trenton, N. J.
Filed June 9, 1924. Serial No. 198,302. PUBLISHED JULY 29, 1924.
- 190,415. EGGS AND BUTTER. W. S. KITCHELL COMPANY, INC., New York, N. Y.
Filed June 9, 1924. Serial No. 198,312. PUBLISHED JULY 29, 1924.
- 190,416. CONDENSATION PRODUCTS OF PHENOLS AND FORMALDEHYDE. BAKELITE CORPORATION, New York, N. Y.
Filed June 10, 1924. Serial No. 198,336. PUBLISHED AUGUST 5, 1924.
- 190,417. MEDICINAL PREPARATION USED AS AN ASTRINGENT, DEODORANT, AND ANTISEPTIC LOTION. JOHN MUCKERJEE, doing business as Thymo Boline Laboratory, Milwaukee, Wis.
Filed June 10, 1924. Serial No. 198,377. PUBLISHED AUGUST 5, 1924.
- 190,418. SHAVING CREAMS AND SOAPS. GEO. A. SCHMIDT & CO., Chicago, Ill.
Filed June 10, 1924. Serial No. 198,383. PUBLISHED JULY 29, 1924.
- 190,419. SHAMPOO POWDERS. GEO. A. SCHMIDT & CO., Chicago, Ill.
Filed June 10, 1924. Serial No. 198,384. PUBLISHED AUGUST 5, 1924.
- 190,420. DENTIFRICES. CHARLES BERGSTRESSER, Eureka Springs, Ark.
Filed June 11, 1924. Serial No. 198,394. PUBLISHED AUGUST 5, 1924.
- 190,421. TOOTH PASTE, TOOTH POWDER, AND MOUTH WASH. SLADENT INC., New York, N. Y.
Filed June 11, 1924. Serial No. 198,426. PUBLISHED AUGUST 5, 1924.
- 190,422. CERTAIN NAMED MEDICINAL PREPARATIONS. E. C. DE WITT & CO. INC., Chicago, Ill.
Filed June 12, 1924. Serial No. 198,456. PUBLISHED AUGUST 5, 1924.
- 190,423. PIECE GOODS MADE PARTLY OF RUBBER. CHARLES B. JONES, Newark, N. J.
Filed May 28, 1924. Serial No. 197,759. PUBLISHED JULY 29, 1924.
- 190,424. WINDOW CLEANER. IDA K. SCHALL, Columbus, Ohio.
Filed May 28, 1924. Serial No. 197,777. PUBLISHED JULY 29, 1924.
- 190,425. TOILET POWDER. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md.
Filed May 28, 1924. Serial No. 197,785. PUBLISHED JULY 22, 1924.
- 190,426. LIQUID MEDICINE FOR CERTAIN NAMED PURPOSES. FRANK ANFINGER, Braddock, Pa.
Filed May 29, 1924. Serial No. 197,794. PUBLISHED JULY 29, 1924.
- 190,427. HAIRDRESSING COMPOUND. BIG E LABORATORIES, Denver, Colo.
Filed May 29, 1924. Serial No. 197,797. PUBLISHED JULY 22, 1924.
- 190,428. CLEANING POWDER. THE CHAMBERLAIN COMPANY, Pittsburgh, Pa.
Filed May 29, 1924. Serial No. 197,801. PUBLISHED JULY 29, 1924.
- 190,429. PREPARATION FOR DRIVING AWAY RATS AND OTHER RODENTS. GEORGE W. HAUSER, doing business as H. & G. Products Company, Gowrie, Iowa.
Filed May 29, 1924. Serial No. 197,813. PUBLISHED JULY 22, 1924.
- 190,430. SHINGLES. WEATHERBEST STAINED SHINGLE CO. INC., North Tonawanda, N. Y.
Filed May 29, 1924. Serial No. 197,852. PUBLISHED AUGUST 5, 1924.
- 190,431. LUNG BALSAM FOR USE IN THE TREATMENT OF COUGHS, COLDS, AND INFLUENZA. JOHN P. ARDELEAN, Aurora, Ill.
Filed May 31, 1924. Serial No. 197,857. PUBLISHED JULY 22, 1924.
- 190,432. RUBBER TIRES AND TUBES. THE CHAMPION RUBBER CO., Kent, Ohio.
Filed May 31, 1924. Serial No. 197,864. PUBLISHED JULY 29, 1924.
- 190,433. LIVE AND DRESSED POULTRY. HAROLD R. LUKERT, doing business as Duxhome Poultry Farm, Moriches, N. Y.
Filed May 31, 1924. Serial No. 197,887. PUBLISHED JULY 29, 1924.
- 190,434. HAIR TONIC. JOSEPH MUSCOLINO, Brooklyn, N. Y.
Filed May 31, 1924. Serial No. 197,893. PUBLISHED JULY 22, 1924.
- 190,435. MEDICINE FOR ITCHING SCALP, DANDRUFF, FALLING HAIR, ECZEMA, AND FOR THE PROMOTION OF HAIR GROWTH. GEORGE S. SMITH, doing business as Acaricide Laboratories, Chicago, Ill.
Filed May 31, 1924. Serial No. 197,911. PUBLISHED JULY 22, 1924.

190,436. HAIR GROWER, SHAMPOO CREAM, AND HAIR PRESSING OIL. ANNIE B. KINKADE, Cleveland, Ohio.
Filed June 2, 1924. Serial No. 197,944. PUBLISHED JULY 22, 1924.

190,437. STOMACH TONIC. EUGENE R. LAMPARTER, Green Lane, Pa.
Filed June 2, 1924. Serial No. 197,946. PUBLISHED JULY 22, 1924.

190,438. CREAM DEPILATORY. ERNEST I. MITCHELL, doing business as The Nu-Del Company, Chicago, Ill.
Filed June 2, 1924. Serial No. 197,949. PUBLISHED JULY 22, 1924.

190,439. CLEANSING SKIN LOTION. ORCHIDEW CORPORATION, New York, N. Y.
Filed June 2, 1924. Serial No. 197,953. PUBLISHED JULY 22, 1924.

190,440. HEADACHE POWDER, LIVER PILLS, COLD AND GRIPE TABLETS. SORBS PHARMACY CO., doing business as McDonald & Co., Cleveland, Ohio.
Filed June 2, 1924. Serial No. 197,965. PUBLISHED JULY 22, 1924.

190,441. PREPARATION FOR THE TREATMENT OF ACUTE AND CHRONIC CATARRHAL AFFECTIONS OF THE GENITO-URINARY SYSTEM. VERITAS REMEDY CO., Clovis, N. Mex.
Filed June 2, 1924. Serial No. 197,972. PUBLISHED JULY 22, 1924.

190,442. HAIR TONIC. ELIZABETH DE PRIEST, doing business as W. D. De Priest, Kingston, Pa.
Filed June 3, 1924. Serial No. 197,997. PUBLISHED JULY 29, 1924.

190,443. FRESH DECIDUOUS FRUITS—NAMESLY, PEARS. DAVID J. ELLIOT, doing business as Daily Orchards Co., Courtland, Calif.
Filed May 27, 1924. Serial No. 197,659. PUBLISHED AUGUST 5, 1924.

190,444. ENTERIC OR SALOL-COATED GELATIN OR OTHER CAPSULES FILLED OR CONTAINING ANY MEDICINE INTENDED FOR ADMINISTRATION IN THE BOWEL. THE LAFAYETTE PHARMACAL CO., La Fayette, Ind.
Filed May 24, 1924. Serial No. 197,544. PUBLISHED AUGUST 5, 1924.

190,445. POLISHING AND BUFFING COMPOUND FOR USE ON METALS, RUBBER, AND CELLULOID. E. REED BURNS MFG. CORP., Brooklyn, N. Y.; Chicago, Ill.; and Cleveland, Ohio.
Filed May 21, 1924. Serial No. 197,359. PUBLISHED AUGUST 5, 1924.

190,446. CANNED PEAS. BIG FOUR CANNING CO., Stanley, Wis.
Filed May 21, 1924. Serial No. 197,355. PUBLISHED AUGUST 5, 1924.

190,447. WRITING PAPER, WRITING PAPER PUT UP IN BOXES, ENVELOPES, AND NAPKINS. JOSEPH HOOZ, doing business as Buffalo Paper & Post Card Co., Philadelphia, Pa.
Filed May 9, 1924. Serial No. 196,809. PUBLISHED JUNE 24, 1924.

190,448. EXTERNAL PREPARATION FOR RHEUMATISM, LUMBAGO, STIFF JOINTS, AND SWELLINGS. MARY CASTAGNO, Philadelphia, Pa.
Filed May 7, 1924. Serial No. 196,692. PUBLISHED AUGUST 5, 1924.

190,449. LUMBER AND WOODEN SHINGLES AND WOODEN FLOORING. KIRKPATRICK LUMBER & TIMBER CORP., Birmingham, Ala.
Filed May 3, 1924. Serial No. 196,525. PUBLISHED AUGUST 5, 1924.

190,450. NATURAL AND SYNTHETIC LIQUID FLOWER OILS SUITABLE FOR ALL PERFUMERY USES. EDWARD T. BEISER COMPANY, INC., Riverside, Conn.
Filed May 3, 1924. Serial No. 196,502. PUBLISHED AUGUST 5, 1924.

190,451. FLOOR FURNACES. D. H. MCCORKLE MFG. CO., Oakland, Calif.
Filed April 29, 1924. Serial No. 196,312. PUBLISHED AUGUST 5, 1924.

190,452. FORM SPACES USED FOR PLASTIC-MATERIAL FORMS. CON-FORM SPEC. CO., Detroit, Mich.
Filed April 28, 1924. Serial No. 196,236. PUBLISHED AUGUST 5, 1924.

190,453. WEEKLY PERIODICAL DEVOTED TO GENERAL NEWS. FREDERICK J. BROWN, Brooklyn, N. Y.
Filed April 25, 1924. Serial No. 196,101. PUBLISHED JULY 29, 1924.

190,454. BALATA AND CANVAS BELTINGS. VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y. and Easton, Pa.
Filed April 24, 1924. Serial No. 196,087. PUBLISHED AUGUST 5, 1924.

190,455. ADVERTISING FOLDERS. JOHN C. GROSS, Pearl River, N. Y.
Filed April 15, 1924. Serial No. 195,578. PUBLISHED JULY 29, 1924.

190,456. YACHT SAILS, ICE-BOAT SAILS, SKATING SAILS, CANOE SAILS, AND WIRE RIGGING READY FOR USE. LOUIS J. LARSEN, New York, N. Y.
Filed April 4, 1924. Serial No. 195,009. PUBLISHED AUGUST 5, 1924.

190,457. ROOFING AND BUILDING MATERIALS. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed April 4, 1924. Serial No. 194,975. PUBLISHED AUGUST 5, 1924.

190,458. CANNED FRUITS AND VEGETABLES—NAMESLY, CORN, TOMATOES, BEANS, PEAS, PEACHES, PINEAPPLES, CANNED PORK AND BEANS; AND CANNED FISH—NAMESLY, SALMON. LOUISVILLE GROCERY COMPANY, Louisville, Ky.
Filed April 3, 1924. Serial No. 194,930. PUBLISHED AUGUST 5, 1924.

190,459. CITROUS-FRUIT MARMALADE. INDEPENDENT FRUIT GROWERS, INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,926. PUBLISHED AUGUST 5, 1924.

190,460. FRESH VEGETABLES AND FRESH CITROUS FRUITS. INDEPENDENT FRUIT GROWERS, INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,925. PUBLISHED AUGUST 5, 1924.

190,461. CANARY-BIRD LEG BANDS. ROLLER FANCYERS CORPORATION, Louisville, Ky.
Filed March 29, 1924. Serial No. 194,667. PUBLISHED AUGUST 5, 1924.

190,462. NATURAL AND ARTIFICIAL FUELS—NAMESLY, COAL, COKE, LIGNITE, PEAT, AND FUEL BRIQUETTES. AMERICAN SMELTING & REFINING COMPANY, New York, N. Y.
Filed May 2, 1924. Serial No. 196,422. PUBLISHED AUGUST 5, 1924.

190,463. ELECTRON TUBES. FREDERICK S. MCCULLOUGH, doing business as F. S. McCullough Laboratories, Wilkinsburg, Pa.
Filed May 2, 1924. Serial No. 196,466. PUBLISHED JULY 22, 1924.

190,464. TELEPHONE RECEIVERS AND LOUD TALKERS FOR USE IN RADIORECEIVING. RADIO INDUSTRIES CORPORATION, New York, N. Y.
Filed April 28, 1924. Serial No. 196,258. PUBLISHED JULY 22, 1924.

190,465. BANJO AND DRUMHEAD CLEANER. JOS. W. NICOMEDE, doing business as Nicomede Music Co., Altoona, Pa.
Filed April 28, 1924. Serial No. 196,254. PUBLISHED AUGUST 5, 1924.

190,466. RADIO EQUIPMENT—NAMESLY, UNITS COMPRISING TUNING ELEMENTS AND A STAGE OF TUNED RADIOFREQUENCY AMPLIFICATION. RADIO FREQUENCY LABORATORIES, INC., Roonton, N. J.
Filed April 26, 1924. Serial No. 196,192. PUBLISHED JULY 8, 1924.

190,467. DEVICES FOR PREVENTING INTERFERENCE IN RADIO APPARATUS. FERBEND ELECTRIC CO., Chicago, Ill.
Filed April 25, 1924. Serial No. 196,109. PUBLISHED JULY 8, 1924.

190,468. EATING CHOCOLATE. AMBROSIA CHOCOLATE CO., Milwaukee, Wis.
Filed April 22, 1924. Serial No. 195,936. PUBLISHED JULY 29, 1924.

190,469. ELECTRIC MOTORS. THE REINHARD ELECTRIC MOTOR COMPANY, Cleveland, Ohio.
Filed April 21, 1924. Serial No. 195,910. PUBLISHED JULY 8, 1924.

190,470. RADIO RECEIVING SETS AND PARTS THEREOF. THE MELODYNE COMPANY, New York, N. Y.
Filed April 18, 1924. Serial No. 195,755. PUBLISHED JULY 22, 1924.

190,471. REDUCING TABLET. FROHWEIN PHARMACY INC., New York, N. Y.
Filed April 12, 1924. Serial No. 195,440. PUBLISHED AUGUST 5, 1924.

190,472. VARIABLE CONDENSERS. THOMAS W. BINDER, doing business as Elec-Rad Company, Trenton, N. J.
Filed April 11, 1924. Serial No. 195,331. PUBLISHED JULY 22, 1924.

190,473. VARIABLE INDUCTANCE COILS. THOMAS W. BINDER, doing business as Elec-Rad Company, Trenton, N. J.
Filed April 11, 1924. Serial No. 195,330. PUBLISHED JULY 22, 1924.

190,474. THINNING COMPOUND FOR PRINTING INKS. THE SENELITH INK COMPANY, INC., New York, N. Y.
Filed April 2, 1924. Serial No. 194,880. PUBLISHED JULY 22, 1924.

190,475. ELECTRICAL DISHWASHING MACHINES. WONDER PORTABLE DISHWASHER COMPANY, Oakland, Calif.
Filed April 1, 1924. Serial No. 194,832. PUBLISHED JULY 22, 1924.

190,476. RADIO LOUD SPEAKERS. ROBERT B. WHEELAN, New York, N. Y.
Filed April 1, 1924. Serial No. 194,830. PUBLISHED JULY 22, 1924.

190,477. AMPLIFIERS, DIRECT AND ALTERNATING CURRENT; AUDIOFREQUENCY TRANSFORMERS, SOCKETS, RHEOSTATS; MISCELLANEOUS SMALL PARTS—NAMESLY, BINDING POSTS, SWITCHES, AND CONTACTS—AND COMPLETE RADIO SETS. GENERAL RADIO COMPANY, Cambridge, Mass.
Filed April 1, 1924. Serial No. 194,794. PUBLISHED JULY 22, 1924.

190,478. NEUTRALIZING CAPACITY CONDENSERS. CHELTON ELECTRIC COMPANY, Philadelphia, Pa.
Filed April 1, 1924. Serial No. 194,785. PUBLISHED JULY 22, 1924.

190,479. RADIO RECEIVING SETS AND PARTS THEREOF, HEAD TELEPHONES, AND LOUD SPEAKERS. R. E. THOMPSON MANUFACTURING COMPANY, Jersey City, N. J.
Filed March 28, 1924. Serial No. 194,631. PUBLISHED JULY 8, 1924.

190,480. VARIABLE CONDENSERS. FRANK M. PACKWOOD, doing business as Packwood Brothers, Lincoln, Nebr.
Filed March 26, 1924. Serial No. 194,464. PUBLISHED JULY 8, 1924.

190,481. ELECTRIC THEFT ALARMS. CHRIS RASMUSSEN, doing business as Rasmussen Electric Mfg. Co., Fresno, Calif.
Filed March 17, 1924. Serial No. 193,958. PUBLISHED JULY 8, 1924.

190,482. TYPEWRITER RIBBONS. IMPRESSION PRODUCTS COMPANY, Wilmington, Del., and Coraopolis, Pa.
Filed March 17, 1924. Serial No. 193,924. PUBLISHED JULY 22, 1924.

190,483. SHAMPOOS. WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa.
Filed May 21, 1924. Serial No. 197,402. PUBLISHED JULY 29, 1924.

190,484. BASE FOR OINTMENTS. P. BEIERSDORF & CO. INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,409. PUBLISHED JULY 22, 1924.

190,485. PNEUMATIC RUBBER TIRES INCLUDING TIRE CASINGS AND INNER TUBES THEREFOR. CORDUROY TIRE COMPANY, Grand Rapids, Mich.
Filed May 22, 1924. Serial No. 197,417. PUBLISHED JULY 29, 1924.

190,486. MEDICINAL PREPARATION FOR RHEUMATISM, GOUT, LAME JOINTS, OR SIMILAR AILMENTS. E. C. DE WITT & CO. INC., Chicago, Ill.
Filed May 22, 1924. Serial No. 197,421. PUBLISHED JULY 22, 1924.

190,487. OUTER SUITS AND OVERCOATS FOR MALES. DRIESEN, MEYER & ORONSKY, New York, N. Y.
Filed May 22, 1924. Serial No. 197,424. PUBLISHED JULY 29, 1924.

190,488. FOOT CREAM. FREDERICK A. KOCH, Detroit, Mich.
Filed May 22, 1924. Serial No. 197,437. PUBLISHED JULY 22, 1924.

190,489. FURS. MENDEL LAZOW, New York, N. Y.
Filed May 22, 1924. Serial No. 197,438. PUBLISHED JULY 29, 1924.

190,490. LAXATIVE AND BOWEL REGULATOR. THE GRAHAM SANITARIUM, INC., Newark, N. J.
Filed May 23, 1924. Serial No. 197,481. PUBLISHED JULY 22, 1924.

190,491. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed May 23, 1924. Serial No. 197,502. PUBLISHED JULY 22, 1924.

190,492. CHEMICAL PREPARATION SUITABLE FOR THE TREATMENT OF THE SKIN. COMFORT MFG. CO., Chicago, Ill.
Filed May 24, 1924. Serial No. 197,533. PUBLISHED JULY 22, 1924.

190,493. RUBBER JAR RINGS. KARL W. P. REECE, Boston, Mass.
Filed May 24, 1924. Serial No. 197,560. PUBLISHED JULY 29, 1924.

190,494. LAUNDRY AND TOILET SOAP. WASHEE PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed May 24, 1924. Serial No. 197,573. PUBLISHED JULY 29, 1924.

190,495. SOAP. KEROSCOPE COMPANY, Los Angeles, Calif.
Filed May 26, 1924. Serial No. 197,602. PUBLISHED JULY 29, 1924.

- 190,496. FIRE BRICK IN A PLASTIC FORM. LA-
CLUDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis,
Mo.
Filed May 26, 1924. Serial No. 197,603. PUBLISHED
JULY 29, 1924.
- 190,497. BOTTLE CAPS. PARKE, DAVIS & COMPANY,
Detroit, Mich.
Filed May 26, 1924. Serial No. 197,617. PUBLISHED
JULY 29, 1924.
- 190,498. SHOE POLISH. R. S. SHARLS, doing business
as Shinmor Product Company, Sulphur Springs,
Tex.
Filed May 26, 1924. Serial No. 197,623. PUBLISHED
JULY 29, 1924.
- 190,499. SHAVING CREAM IN THE FORM OF SOAP
CREAM. UNITED RETAIL CHEMISTS CORPORATION,
New York, N. Y.
Filed May 26, 1924. Serial No. 197,635. PUBLISHED
JULY 29, 1924.
- 190,500. REFRACTORY MATERIALS ADAPTED FOR
USE IN THE BUILDING, LINING, AND PATCH-
ING OF FURNACE WALLS AND ANALOGOUS
PURPOSES. SEABOARD REFRACTORIES COMPANY,
Valentines, N. J.
Filed May 27, 1924. Serial No. 197,687. PUBLISHED
JULY 29, 1924.
- 190,501. AUTOMOBILE TOPS AND CURTAINS. BUOR
AND SCHUE, Cincinnati, Ohio.
Filed May 28, 1924. Serial No. 197,702. PUBLISHED
JULY 29, 1924.
- 190,502. PETROLEUM PRODUCTS FOR ROAD SUR-
FACING. BENJAMIN FOSTER COMPANY, Philadel-
phia, Pa.
Filed May 28, 1924. Serial No. 197,739. PUBLISHED
JULY 29, 1924.
- 190,503. CONDENSERS, BOTH VARIABLE AND
FIXED. ELECTRIC SERVICE ENGINEERING CORP.,
New York, N. Y.
Filed March 26, 1924. Serial No. 194,441. PUB-
LISHED JULY 8, 1924.
- 190,504. PORTABLE ELECTRIC LAMPS. THE GREIST
MFG. COMPANY, New Haven, Conn.
Filed March 29, 1924. Serial No. 194,642. PUB-
LISHED JULY 8, 1924.
- 190,505. TEXTILE MACHINES, AND IN PARTICU-
LAR ROVING, SLUBBING, SPINNING, AND
WEAVING MACHINES AND PARTS THEREOF.
LEON MARTINAGE, Paris, France.
Filed April 1, 1924. Serial No. 194,808. PUBLISHED
AUGUST 5, 1924.
- 190,506. COFFEEPOTS. THEODORE MILLER, New York,
N. Y.
Filed April 1, 1924. Serial No. 194,809. PUBLISHED
AUGUST 5, 1924.
- 190,507. CATAMENIAL BANDAGES. LUCILE SAL-
DINGER, doing business as Hijeon Company, New
York, N. Y.
Filed May 15, 1924. Serial No. 197,116. PUBLISHED
AUGUST 5, 1924.
- 190,508. PHYSICIANS' AND SURGEONS' TABLES,
PHYSICIANS' AND SURGEONS' CHAIRS, AND
PHYSICIANS' AND SURGEONS' CABINETS. THE
MURRAY PRODUCTS COMPANY, Detroit, Mich.
Filed May 17, 1924. Serial No. 197,210. PUBLISHED
AUGUST 5, 1924.
- 190,509. MICROSCOPES AND FLUID LENSES. THE
SCIENTIFIC APPARATUS CORPORATION, Milton, Pa.
Filed May 21, 1924. Serial No. 197,398. PUBLISHED
AUGUST 5, 1924.
- 190,510. SKYLIGHT GEARING. DAVID LEVOW, New
York, N. Y.
Filed May 28, 1924. Serial No. 197,762. PUBLISHED
AUGUST 5, 1924.

- 190,511. MOTION-PICTURE FILMS. THE APPROVED
PICTURES CORPORATION, New York, N. Y.
Filed June 3, 1924. Serial No. 197,982. PUBLISHED
AUGUST 5, 1924.
- 190,512. LABELING MACHINES. NORMAN ROBINO-
VITZ, doing business as Worcester Labeling Machine
Works, Worcester, Mass.
Filed June 17, 1924. Serial No. 198,723. PUBLISHED
AUGUST 5, 1924.
- 190,513. BLOWTORCHES. H. J. BAGLEY, doing busi-
ness as Rex Blow Torch Co., Brooklyn, N. Y., and
San Francisco, Calif.
Filed May 29, 1924. Serial No. 197,795. PUBLISHED
AUGUST 5, 1924.
- 190,514. MOTION-PICTURE FILMS. THE APPROVED
PICTURES CORPORATION, New York, N. Y.
Filed June 3, 1924. Serial No. 197,981. PUBLISHED
AUGUST 5, 1924.
- 190,515. COMBINED CLAMP AND HINGED BRACKET
USED FOR ATTACHING WINGS TO AUTOMO-
BILE WINDSHIELDS. DAVID BARKOW, doing busi-
ness as Capitol Glass and Mirror Co., Baltimore, Md.
Filed June 4, 1924. Serial No. 198,050. PUBLISHED
AUGUST 5, 1924.
- 190,516. PRINTED PERIODICAL PUBLISHED
MONTHLY AND AT OTHER INTERVALS. GEORGE
J. HICHT, New York, N. Y.
Filed June 11, 1924. Serial No. 198,408. PUBLISHED
AUGUST 5, 1924.
- 190,517. ABSORBENT PADS OR SHEETS FOR IN-
FANTS' DIAPERS. CELLUCOTTON PRODUCTS COM-
PANY, Neenah, Wis.
Filed June 12, 1924. Serial No. 198,454. PUBLISHED
AUGUST 5, 1924.
- 190,518. NURSING BOTTLES. CORNING GLASS
WORKS, Corning, N. Y.
Filed June 13, 1924. Serial No. 198,506. PUBLISHED
AUGUST 5, 1924.
- 190,519. FERTILIZER DISTRIBUTORS. LORENZO D.
PENDER, doing business as Pender Manufacturing
Company, Tarboro, N. C.
Filed June 18, 1924. Serial No. 198,756. PUB-
LISHED AUGUST 5, 1924.
- 190,520. SHOWER BATHS. HUGH B. PITCHER, Brook-
lyn, N. Y.
Filed June 18, 1924. Serial No. 198,757. PUB-
LISHED AUGUST 5, 1924.
- 190,521. TABLE KNIVES AND FORKS OF BASE
METAL. SCISSORS, INDUSTRIAL KNIVES, CORK-
SCREWS, CIGAR CUTTERS, AND SAFETY RA-
ZORS. ALFRED FEIST, doing business as Joseph
Feist, Solingen, Germany.
Filed June 21, 1924. Serial No. 198,940. PUB-
LISHED AUGUST 5, 1924.
- 190,522. SAUSAGES. NORTH PACKING & PROVISION
COMPANY, Somerville, Mass.
Filed January 31, 1924. Serial No. 191,564. PUB-
LISHED AUGUST 5, 1924.
- 190,523. FACE POWDER. LOUIS PHILIPPE, New York,
N. Y.
Filed January 31, 1924. Serial No. 191,568. PUB-
LISHED JULY 29, 1924.
- 190,524. SOAP. PARK & TILFORD, New York, N. Y.
Filed February 2, 1924. Serial No. 191,715. PUB-
LISHED JULY 29, 1924.
- 190,525. PREPARATION FOR THE TREATMENT OF
NERVOUS DISEASES. MASSIMILIANO VICENZI,
New York, N. Y.
Filed February 5, 1924. Serial No. 191,858. PUB-
LISHED JULY 29, 1924.
- 190,526. FACIAL CLAY, COLD CREAM, AND VAN-
ISHING CREAM. PEACOCK PRODUCTS, NOT INC.,
Moline, Ill.
Filed February 6, 1924. Serial No. 191,908. PUB-
LISHED JULY 29, 1924.

- 190,527. HAIR TONIC. THE GILMAN-BRUETTE CO.,
Portland, Oreg.
Filed February 19, 1924. Serial No. 192,532. PUB-
LISHED JULY 22, 1924.
- 190,528. INSECTICIDE AND DEODORANT. WILLIAM
T. JOHNS, doing business as Texas Chemical & Spe-
cialty Co., Fort Worth, Tex.
Filed February 26, 1924. Serial No. 192,842. PUB-
LISHED AUGUST 5, 1924.
- 190,529. MEDICINAL PREPARATION AND TONIC
FOR THE TREATMENT OF DISEASES OF THE
STOMACH. ALBERT E. BUENGER, doing business as
E. M. Pharmacal Co., Denver, Colo.
Filed March 3, 1924. Serial No. 193,150. PUB-
LISHED JULY 29, 1924.
- 190,530. FARM PRODUCTS INCLUDING LIVESTOCK
AND POULTRY, AND PARTICULARLY SHORT-
HORN CATTLE, BERKSHIRE HOGS, SHROPSHIRE
SHEEP, LIVE AND DRESSED BARRED
ROCK AND BLACK LANGHORN CHICKENS,
LIVE AND DRESSED TURKEYS, AND PORK
SAUSAGE. W. W. WILLIAMSON, New Market, Va.
Filed March 3, 1924. Serial No. 193,204. PUB-
LISHED JULY 29, 1924.
- 190,531. BREAD, COOKIES, CAKE, DOUGHNUTS,
AND TOAST. PURITY BAKING CO., St. Paul, Minn.
Filed March 5, 1924. Serial No. 193,307. PUB-
LISHED JULY 22, 1924.
- 190,532. METAL POLISH, STOVE POLISH, POW-
DERED HAND SOAP, SCOURING POWDERS,
AND CLEANSERS. JACOB D. BROZA, Philadelphia,
Pa.
Filed March 8, 1924. Serial No. 193,442. PUB-
LISHED MAY 6, 1924.
- 190,533. ANTISEPTIC DEODORANT AND PROPHY-
LACTIC MOUTH WASH. MYRRH-LYPTOL CO.,
Birmingham, Ala.
Filed March 11, 1924. Serial No. 193,611. PUB-
LISHED JULY 22, 1924.
- 190,534. PERFUMES, FACE POWDERS, FACE
CREAMS, TOILET WATERS, HAIR TONICS,
HAIR OILS, DENTIFRICES, TOOTH POWDERS,
ROUGES, NAIL POLISHES, DEODORIZING
PREPARATIONS, SACHET POWDERS, AND TAL-
CUM POWDERS. THE BABBITT COMPANY, Phila-
delphia, Pa.
Filed March 22, 1924. Serial No. 194,246. PUB-
LISHED JUNE 17, 1924.
- 190,535. PREPARATION FOR HAY FEVER AND
CATARRH. POM-PHONA REMEDY CO., Helena, Mont.
Filed March 29, 1924. Serial No. 194,660. PUB-
LISHED JULY 22, 1924.
- 190,536. SALT, BAKING POWDER, AND BAKING
SODA. THE CREAMETTE COMPANY, Minneapolis,
Minn.
Filed April 4, 1924. Serial No. 194,978. PUB-
LISHED AUGUST 5, 1924.
- 190,537. PURIFYING FLUX FOR METALLURGICAL
TREATMENT. SUPERIOR FOUNDRY SUPPLY COM-
PANY, Pittsburgh, Pa.
Filed April 8, 1924. Serial No. 195,201. PUB-
LISHED JULY 22, 1924.
- 190,538. CERTAIN CHEMICALS. THE NEW BRUNS-
WICK CHEMICAL COMPANY, Newark, N. J.
Filed April 10, 1924. Serial No. 195,430. PUB-
LISHED JULY 22, 1924.
- 190,539. TONIC FOR DISORDERS OF THE STOMACH.
WILLIAM VASSEL CO., Providence, R. I.
Filed April 12, 1924. Serial No. 195,469. PUB-
LISHED JULY 22, 1924.
- 190,540. HEADACHE AND NEURALGIA WAFERS.
ALBERT ACKERMANN, Chicago, Ill.
Filed April 14, 1924. Serial No. 195,474. PUB-
LISHED JULY 29, 1924.

- 190,541. LADIES' HOSIERY. FRED A. SMITH, Clevel-
and, Ohio.
Filed April 14, 1924. Serial No. 195,545. PUB-
LISHED JULY 8, 1924.
- 190,542. AIR FILTERS FOR USE IN VENTILATION.
MIDWEST AIR FILTERS INC., New York, N. Y.
Filed March 18, 1924. Serial No. 194,014. PUB-
LISHED AUGUST 5, 1924.
- 190,543. GAS HEATERS, GAS RADIATORS, GAS
FLOOR HEATERS, AND GAS AND COAL FUR-
NACES, ALL FOR USE WITH HEATING SYS-
TEMS. GEORGE P. SCHMITT, doing business as
Schmitt Heating Co., Oakland, Calif.
Filed March 17, 1924. Serial No. 193,963. PUB-
LISHED AUGUST 5, 1924.
- 190,544. SECTIONAL AND INTERSECTIONAL RO-
TARY STREET-CAR WINDOWS. WILLIAM M. HILL,
Chicago, Ill.
Filed March 15, 1924. Serial No. 193,833. PUB-
LISHED AUGUST 5, 1924.
- 190,545. ADJUSTABLE RACKS FOR HOLDING
BOOKS, NEWSPAPERS, PAMPHLETS, TIME-TA-
BLES, AND OTHER PUBLICATIONS. THE AD-
JUSTABLE RACK COMPANY, Milwaukee, Wis.
Filed March 14, 1924. Serial No. 193,748. PUB-
LISHED JULY 22, 1924.
- 190,546. FURNACES AND PIPELESS FURNACES.
SMYTH-DESPARD CO., Utica, N. Y.
Filed March 16, 1924. Serial No. 193,365. PUB-
LISHED AUGUST 5, 1924.
- 190,547. MOTOR-TRUCK BODIES. LEE TRAILER &
BODY COMPANY, Chicago, Ill.
Filed February 29, 1924. Serial No. 193,054. PUB-
LISHED AUGUST 5, 1924.
- 190,548. CANDY. PACIFIC COAST BISCUIT COMPANY,
Seattle, Wash.
Filed February 28, 1924. Serial No. 192,996. PUB-
LISHED AUGUST 5, 1924.
- 190,549. SHEET-PACKING AND GASKETS MADE OF
PAPER COMPOSITION. THE VELLUMOID COMPANY,
Boston, Mass.
Filed February 25, 1924. Serial No. 192,805. PUB-
LISHED AUGUST 5, 1924.
- 190,550. FRESH CITROUS FRUITS. G. MAXCY, doing
business as The Ridge Fruit Company, Frostproof,
Fla.
Filed February 16, 1924. Serial No. 192,408. PUB-
LISHED AUGUST 5, 1924.
- 190,551. IRONING-BOARD CABINETS TO BE BUILT
INTO A WALL. NATHAN PAINE, Oskosh, Wis.
Filed February 7, 1924. Serial No. 191,967. PUB-
LISHED AUGUST 5, 1924.
- 190,552. ROOF CEMENT. HENRY RUBEN, doing busi-
ness as To-Rain-On Products Co. (Not Inc.), Chi-
cago, Ill.
Filed October 22, 1923. Serial No. 187,350. PUB-
LISHED AUGUST 5, 1924.
- 190,553. POWER-DRIVEN BLOWERS AND FANS FOR
DRAFTING AND VENTILATING PURPOSES.
COPPUS ENGINEERING CORPORATION, Worcester, Mass.
Filed July 27, 1923. Serial No. 183,736. PUBLISHED
AUGUST 5, 1924.
- 190,554. POWER-DRIVEN BLOWERS AND FANS FOR
DRAFTING AND VENTILATING PURPOSES.
COPPUS ENGINEERING CORPORATION, Worcester, Mass.
Filed July 27, 1923. Serial No. 183,736. PUBLISHED
AUGUST 5, 1924.
- 190,555. SAUCE CALLED SOYS. ENICHIRO NAKA-
MURA, Halbara-gun, Shidzuoka-ken, Japan.
Filed June 1, 1923. Serial No. 181,450. PUBLISHED
AUGUST 5, 1924.
- 190,556. METALLIC REFLECTORS FOR USE IN CON-
NECTION WITH VARIOUS SOURCES OF LIGHT.
THE SAFETY CAR HEATING & LIGHTING COMPANY,
New York, N. Y.
Filed May 24, 1923. Serial No. 181,090. PUBLISHED
AUGUST 5, 1924.

- 190,557. PISTON RINGS. LA CROSSE MOTORS EQUIPMENT Co., La Crosse, Wis.
Filed May 12, 1923. Serial No. 180,539. PUBLISHED AUGUST 5, 1924.
- 190,558. PISTON RINGS. TORSION TEST PISTON RING CORPORATION, Newark, N. J.
Filed April 28, 1923. Serial No. 179,893. PUBLISHED AUGUST 5, 1924.
- 190,559. BURNED LIME, HYDRATED LIME, KEENE'S GAUGED FINISH, CEMENT; BASE COAT, A KIND OF PLASTER USED AS A PLASTER FOR COVERING LATH AS A FIRST COAT OF PLASTER. THE UTAH LIME & STONE COMPANY, Salt Lake City, Utah.
Filed April 23, 1923. Serial No. 179,504. PUBLISHED AUGUST 5, 1924.
- 190,560. CANNED FRUITS AND CANNED VEGETABLES. CALIFORNIA CANNERS CO., San Francisco, Calif.
Filed March 29, 1923. Serial No. 178,219. PUBLISHED AUGUST 5, 1924.
- 190,561. OLIVE OIL. HIJOS DE YBARRA, Seville, Spain.
Filed March 9, 1923. Serial No. 177,185. PUBLISHED AUGUST 5, 1924.
- 190,562. PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES. THE NATIONAL TIRE & RUBBER COMPANY, East Palestine, Ohio.
Filed May 13, 1924. Serial No. 196,964. PUBLISHED JULY 29, 1924.
- 190,563. REMEDY FOR THE TREATMENT OF IVY POISONING. WALDEMAR UDE, doing business as Research Pharmaceutical Co., St. Louis, Mo.
Filed May 12, 1924. Serial No. 196,943. PUBLISHED JULY 22, 1924.
- 190,564. BUILDING ELEMENTS IN THE NATURE OF BASEBOARDS, CHAIR RAILS, CORNICES, ETC., ADAPTED FOR CARRYING ELECTRIC WIRES. ARMEN H. TASHJIAN, Cleveland, Ohio.
Filed May 8, 1924. Serial No. 196,775. PUBLISHED JULY 29, 1924.
- 190,565. LIQUID WELDING FLUX PREPARATION. ELMER E. SHAFER, Garrison, Iowa.
Filed May 8, 1924. Serial No. 196,767. PUBLISHED JULY 22, 1924.
- 190,566. CANDY AND PACKAGES CONTAINING CANDY AND NOVELTIES. THE FOLLY TOWN COMPANY, Chicago, Ill.
Filed May 8, 1924. Serial No. 196,735. PUBLISHED JUNE 17, 1924.
- 190,567. OLIVE SHAMPOO, BAY RUM, HAIRDRESSING, TOILET WATER, DANDRUFF REMEDY, WITCH-HAZEL, HAZEL BAY RUM, LIQUID QUININE HAIR TONIC, AND STYPTIC PENCILS. DANIEL R. MAKRAUER BARBER SUPPLY CO., Pittsburgh, Pa.
Filed May 6, 1924. Serial No. 196,667. PUBLISHED JULY 22, 1924.
- 190,568. HAIR TONIC. ATLANTA BARBERS SUPPLY CO., Atlanta, Ga.
Filed May 6, 1924. Serial No. 196,641. PUBLISHED JULY 22, 1924.
- 190,569. HAIR TONIC. ATLANTA BARBERS SUPPLY CO., Atlanta, Ga.
Filed May 6, 1924. Serial No. 196,640. PUBLISHED JULY 22, 1924.
- 190,570. ANTISEPTIC HEALING CREAM FOR USE IN THE TREATMENT OF SORE THROAT, HEADACHE, CATARRH, BRUISES, CHAPPED HANDS, INSECT BITES, AND FOR USE AFTER SHAVING. ATLANTA BARBERS SUPPLY CO., Atlanta, Ga.
Filed May 6, 1924. Serial No. 196,638. PUBLISHED JULY 22, 1924.

- 190,571. MASSAGE CREAM. ATLANTA BARBERS SUPPLY CO., Atlanta, Ga.
Filed May 6, 1924. Serial No. 196,637. PUBLISHED JULY 22, 1924.
- 190,572. HAIR TONICS AND FACE LOTIONS. ATLANTA BARBER SUPPLY CO., Atlanta, Ga.
Filed May 6, 1924. Serial No. 196,636. PUBLISHED JULY 22, 1924.
- 190,573. HIGH-CALCIUM HYDRATED LIME FOR GENERAL INDUSTRIAL AND CHEMICAL USES. ASH GROVE LIME AND PORTLAND CEMENT COMPANY, Kansas City, Mo., and Portland, Me.
Filed May 2, 1924. Serial No. 196,423. PUBLISHED JULY 29, 1924.
- 190,574. DEODORIZER, CHEMICAL PREPARATION FOR KILLING WEEDS, SOLVENT PIPE CLEANER FOR TRAPS AND DRAINS, AND VERMICIDE. THE SULPHO-NAPHTHOL COMPANY, Boston, Mass.
Filed May 1, 1924. Serial No. 196,410. PUBLISHED AUGUST 5, 1924.
- 190,575. MEDICINE FOR RHEUMATISM, LUMBAGO, GOUT, NEURALGIA, AND SCIATICA. SAENGER DRUG COMPANY, INC., Shreveport, La.
Filed April 30, 1924. Serial No. 196,351. PUBLISHED JULY 22, 1924.
- 190,576. LYES AND DRAIN SOLVENTS. THE LIGHT-NIN LYE CO., Cleveland, Ohio.
Filed April 30, 1924. Serial No. 196,345. PUBLISHED JULY 22, 1924.
- 190,577. ARTICLES WHICH APPEAR FROM TIME TO TIME IN THE HARDWARE DEALERS' MAGAZINE. HARDWARE DEALERS' MAGAZINE, INC., New York, N. Y.
Filed April 30, 1924. Serial No. 196,341. PUBLISHED JULY 22, 1924.
- 190,578. RUBBING-IN OIL FOR EXTERNAL USE. PAUL W. MOOMAW, Okemah, Okla.
Filed April 28, 1924. Serial No. 196,252. PUBLISHED JULY 22, 1924.
- 190,579. THROAT TABLETS AND A PREPARATION FOR USE AS AN ANTISEPTIC AND AS A HEALING AGENT. MIDDLE WEST LABORATORIES, Bloomington, Ill.
Filed April 18, 1924. Serial No. 195,756. PUBLISHED JULY 22, 1924.
- 190,580. FACE POWDERS. KALA COMPANY, Cambridge, Mass.
Filed April 16, 1924. Serial No. 195,645. PUBLISHED JULY 22, 1924.
- 190,581. SHAMPOOS. BEAUTI-CRAFT CO., Chicago, Ill.
Filed April 16, 1924. Serial No. 195,628. PUBLISHED JULY 22, 1924.
- 190,582. CEREAL-BEVERAGE COOLING AND DISPENSING OUTFITS FULLY EQUIPPED WITH TUBES, TAPS, HOSE, PUMPS, AND THE LIKE. AMERICAN TAP BUSH CO., Detroit, Mich.
Filed April 10, 1922. Serial No. 161,953. PUBLISHED AUGUST 5, 1924.
- 190,583. INCANDESCENT-ELECTRIC-LAMP SOCKETS. WEBER ELECTRIC COMPANY, Schenectady, N. Y.
Filed April 12, 1922. Serial No. 162,224. PUBLISHED JULY 22, 1924.
- 190,584. TABLE TOPS, CHEMICAL PANS (FOR EVAPORATING, DRYING, ETC.), WASHTUB COVERS, BRICK PALLETS, ENAMELED SIGNS, STEAM-TABLE PANS AND COVERS, ENAMELED SERVING TRAYS, ENAMELED RESTAURANT FITTINGS, ENAMELED SCALE PANS, AND ENAMELED COOKING UTENSILS. VITREOUS ENAMELING COMPANY, Cleveland, Ohio.
Filed April 2, 1923. Serial No. 178,483. PUBLISHED AUGUST 5, 1924.

- 190,585. RESILIENT VEHICLE TIRES AND INNER TUBES OF RUBBER OR RUBBER AND FABRIC. THE AMERICAN RUBBER AND TIRE COMPANY, Akron, Ohio.
Filed May 7, 1923. Serial No. 180,261. PUBLISHED AUGUST 5, 1924.
- 190,586. TENNESSEE AROMATIC RED-CEDAR PRODUCTS MANUFACTURED INTO ROUGH LUMBER AND FINISHED LUMBER FOR BUILDING CONSTRUCTION. CHICKAMAUGA CEDAR COMPANY, Stevenson, Ala.
Filed July 12, 1923. Serial No. 183,095. PUBLISHED OCTOBER 23, 1923.
- 190,587. HYDRANTS, STREET WASHERS, DRINKING FOUNTAINS, STATIONARY FILLERS FOR AUTOMOBILE RADIATORS, RAILWAY WATER-SERVICE BOX, HORSE-WATERING FONTS, AND RUBBER HEADS. THE MURDOCK MFG. & SUPPLY COMPANY, Cincinnati, Ohio.
Filed November 23, 1923. Serial No. 188,767. PUBLISHED AUGUST 5, 1924.
- 190,588. APPARATUS FOR AUTOMOBILE SERVICE STATIONS FOR RECEIVING AND CONVEYING LIQUIDS DRAINED FROM AUTOMOBILES. JOSEPH H. LOWDEN, Elyria, Ohio.
Filed November 26, 1923. Serial No. 188,915. PUBLISHED AUGUST 5, 1924.
- 190,589. AUTOMATIC FIRE SPRINKLER SYSTEMS AND PARTS THEREOF. THE VIKING CORPORATION, Hastings, Mich.
Filed December 6, 1923. Serial No. 189,340. PUBLISHED AUGUST 5, 1924.
- 190,590. EARS, CLAMPS, AND HANGERS FOR SUSPENDING AND SUPPORTING TROLLEY WIRES, CONDUCTORS, CABLES, AND OTHER WIRES. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed January 31, 1924. Serial No. 191,565. PUBLISHED JULY 22, 1924.
- 190,591. CANVAS BELTING. THE ALLIED BELTING COMPANY, Greenville, Ohio.
Filed February 5, 1924. Serial No. 191,806. PUBLISHED AUGUST 5, 1924.
- 190,592. PREPARED WAX USED FOR MODELING PURPOSES. THE COSMIC CRAYON COMPANY LIMITED, Bedford, England.
Filed February 13, 1924. Serial No. 192,211. PUBLISHED AUGUST 5, 1924.
- 190,593. TOOLS—NAMESLY, PLIERS, WRENCHES, CHISELS, PUNCHES, HAMMERS, PNEUMATIC CHISELS. QUALITY TOOLS CORPORATION, New Wilmington, Pa.
Filed February 21, 1924. Serial No. 192,642. PUBLISHED AUGUST 5, 1924.
- 190,594. BELTING MADE OF RUBBER AND OF A COMBINATION OF COTTON RUBBER DUCK WITH RUBBER IMPREGNATION AND RUBBER COVER AND AIR HOSE MADE OF RUBBER AND OF A COMBINATION OF COTTON RUBBER DUCK WITH RUBBER IMPREGNATION AND RUBBER COVER. HAMILTON RUBBER MANUFACTURING COMPANY, Trenton, N. J.
Filed March 17, 1924. Serial No. 193,920. PUBLISHED AUGUST 5, 1924.
- 190,595. RING SPINNING AND TWISTING TRAVELERS. NATIONAL RING TRAVELER CO., Providence, R. I.
Filed March 20, 1924. Serial No. 194,117. PUBLISHED AUGUST 5, 1924.
- 190,596. RING SPINNING AND TWISTING TRAVELERS. NATIONAL RING TRAVELER CO., Providence, R. I.
Filed March 20, 1924. Serial No. 194,118. PUBLISHED AUGUST 5, 1924.
- 190,597. RADIO OUTFITS, DEVICES, AND ACCESSORIES—NAMESLY, LOUD SPEAKERS, HEAD SETS, VARIABLE CONDENSERS, B BATTERIES, VARIOCOUPERS, RHEOSTATS, VARIOMETERS, AERIAL EQUIPMENT, BATTERY CHARGERS, JACK SWITCHES, LIGHTNING ARRESTERS, PLUGS, POTENTIOMETERS, PANELS, SOCKETS, SETS, TRANSFORMERS, DIALS, CRYSTALS, MOUNTING BOARDS, AND COMPLETE RECEIVING SETS. POLYDYNE CORPORATION, New York, N. Y.
Filed March 21, 1924. Serial No. 194,211. PUBLISHED JULY 22, 1924.
- 190,598. RADIO OUTFITS, DEVICES, AND ACCESSORIES—NAMESLY, LOUD SPEAKERS, HEAD SETS, VARIABLE CONDENSERS, B BATTERIES, VARIOCOUPERS, RHEOSTATS, VARIOMETERS, AERIAL EQUIPMENT, BATTERY CHARGERS, JACKS AND JACK SWITCHES, LIGHTNING ARRESTERS, JACK AND ANTENNA PLUGS, POTENTIOMETERS, PANELS, SOCKETS, COMPLETE RECEIVING SETS, TRANSFORMERS, DIALS, CRYSTALS, AND MOUNTING BOARDS. POLYDYNE CORPORATION, New York, N. Y.
Filed March 21, 1924. Serial No. 194,212. PUBLISHED JULY 8, 1924.
- 190,599. RADIO OUTFITS, DEVICES, AND ACCESSORIES—NAMESLY, LOUD SPEAKERS, HEAD SETS, VARIABLE CONDENSERS, B BATTERIES, VARIOCOUPERS, RHEOSTATS, VARIOMETERS, AERIAL EQUIPMENT, BATTERY CHARGERS, JACKS AND JACK SWITCHES, LIGHTNING ARRESTERS, JACK AND ANTENNA PLUGS, POTENTIOMETERS, PANELS, SOCKETS, COMPLETE RECEIVING SETS, TRANSFORMERS, DIALS, CRYSTALS, AND MOUNTING BOARDS. POLYDYNE CORPORATION, New York, N. Y.
Filed March 21, 1924. Serial No. 194,214. PUBLISHED JULY 8, 1924.
- 190,600. RADIO OUTFITS, DEVICES, AND ACCESSORIES—NAMESLY, LOUD SPEAKERS, HEAD SETS, VARIABLE CONDENSERS, B BATTERIES, VARIOCOUPERS, RHEOSTATS, VARIOMETERS, AERIAL EQUIPMENT, BATTERY CHARGERS, JACKS AND JACK SWITCHES, LIGHTNING ARRESTERS, JACK AND ANTENNA PLUGS, POTENTIOMETERS, PANELS, SOCKETS, COMPLETE RECEIVING SETS, TRANSFORMERS, DIALS, CRYSTALS, AND MOUNTING BOARDS. POLYDYNE CORPORATION, New York, N. Y.
Filed March 21, 1924. Serial No. 194,215. PUBLISHED JULY 8, 1924.
- 190,601. RADIOFREQUENCY TRANSFORMERS, RADIO COUPLING COILS, AND AUDIOFREQUENCY TRANSFORMERS. ELECTRIC SERVICE ENGINEERING CORP., New York, N. Y.
Filed March 26, 1924. Serial No. 194,440. PUBLISHED JULY 8, 1924.
- 190,602. ASPIRIN, CINCHOPHEN, BARBITAL, PYRAMIDON, AND DIURETIN. COAST CHEMICAL COMPANY, Wilmington, Del., and Glendale, Calif.
Filed May 21, 1924. Serial No. 197,362. PUBLISHED JULY 22, 1924.
- 190,603. LAXATIVES IN SOLID FORM. HARRY C. YOCKEY, doing business as The Phax Company, Zellenople, Pa.
Filed May 20, 1924. Serial No. 197,348. PUBLISHED JULY 22, 1924.
- 190,604. BOILER COMPOUND. EDWARD R. WILLIAMS, doing business as Creative Chemical Company, Pittsburgh, Pa.
Filed May 20, 1924. Serial No. 197,347. PUBLISHED JULY 22, 1924.

- 190,605. PREPARATION FOR DISORDERS OF THE MOUTH AND THROAT. JOSEPH WEISBERGER, doing business as The Wafer Products Co., Jersey City, N. J.
Filed May 20, 1924. Serial No. 197,346. PUBLISHED JULY 22, 1924.
- 190,606. COMPOUND FOR COVERING THE HANDS TO PROTECT THEM FROM CONTACT WITH DIRT, OILY AND GREASY MATERIALS. PETERSON-KINTNER COMPANY, Pittsburgh, Pa.
Filed May 20, 1924. Serial No. 197,341. PUBLISHED JULY 22, 1924.
- 190,607. AMMONIA FOR HOUSEHOLD PURPOSES. THE OLD WITCH COMPANY, Pawling, N. Y.
Filed May 20, 1924. Serial No. 197,339. PUBLISHED JULY 22, 1924.
- 190,608. DISINFECTANTS, DEODORANTS, INSECTICIDES, GERMICIDES, AND VERMIN POISONS AND POWDERS. VESTAL CHEMICAL COMPANY, St. Louis, Mo.
Filed May 19, 1924. Serial No. 197,307. PUBLISHED JULY 22, 1924.
- 190,609. PURGATIVES. TAB-U-NEED COMPANY, Pulaski, Tenn.
Filed May 19, 1924. Serial No. 197,303. PUBLISHED JULY 29, 1924.
- 190,610. MEDICINAL PREPARATION—NAMESLY, GLAND TONIC. JAMES G. GATLIN, doing business as Endocrine Laboratory, St. Louis, Mo.
Filed May 19, 1924. Serial No. 197,271. PUBLISHED JULY 22, 1924.
- 190,611. TOILET POWDERS. FRENCH COSMETIC MFG. CO. INC., New Rochelle, N. Y.
Filed May 19, 1924. Serial No. 197,269. PUBLISHED JULY 22, 1924.
- 190,612. COMPLEXION POWDER. FRED H. SMITH, doing business as D'Enchant Company, Springfield, Mass.
Filed May 16, 1924. Serial No. 197,174. PUBLISHED JULY 22, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 190,400. (CLASS 39. CLOTHING.) CALIFORNIA GLOVE COMPANY, Napa, Calif. Filed Sept. 7, 1923. Serial No. 185,409.

Double Diverted Seam

Particular description of goods.—Leather Gloves.
Claims use since June 22, 1922.

- 190,622. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINN MOTOR DEVICE COMPANY, Pittsburgh, Pa. Filed May 26, 1924. Serial No. 197,606.

"NON-ADJUSTABLE"

Particular description of goods.—Carburetors.
Claims use since Apr. 4, 1923.

- 190,613. ABRASIVE PAPERS AND CLOTHS. HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y.
Filed May 16, 1924. Serial No. 197,129. PUBLISHED JULY 29, 1924.
- 190,614. CORK PUMP AND ENGINE PACKING. THE WITHERUP CORK PACKING CO., Beaumont, Tex.
Filed May 15, 1924. Serial No. 197,124. PUBLISHED JULY 29, 1924.
- 190,615. CERTAIN TOILET PREPARATIONS. JAMES M. HEACOCK, doing business as Lemonclenz Mfg. Co., Los Angeles, Calif.
Filed May 15, 1924. Serial No. 197,077. PUBLISHED JULY 22, 1924.
- 190,616. PILLS FOR CERTAIN NAMED DISORDERS. MARION M. HARDENBERG, New York, N. Y.
Filed May 15, 1924. Serial No. 197,075. PUBLISHED AUGUST 5, 1924.
- 190,617. SALVE. RICHARD T. YATES, doing business as Yates Chemical Company, Lynchburg, Va.
Filed May 14, 1924. Serial No. 197,057. PUBLISHED JULY 22, 1924.
- 190,618. LINIMENT FOR USE IN THE TREATMENT OF HORSE AILMENTS. DR. REED LINIMENT COMPANY, INC., Portland, Ind.
Filed May 14, 1924. Serial No. 197,047. PUBLISHED JULY 22, 1924.
- 190,619. HEADACHE TABLETS. UKEMCO CORPORATION, New York, N. Y.
Filed May 13, 1924. Serial No. 196,994. PUBLISHED JULY 22, 1924.
- 190,620. COLD TABLETS. UKEMCO CORPORATION, New York, N. Y.
Filed May 13, 1924. Serial No. 196,993. PUBLISHED JULY 22, 1924.
- 190,621. SHAMPOO. SOREN C. SORENSEN, doing business as Nu Gloss Shampoo Co., Oakland, Calif.
Filed May 13, 1924. Serial No. 196,986. PUBLISHED JULY 29, 1924.

- 190,623. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 5, 1924. Serial No. 196,628.

STANOLIND BATTERY SEALING COMPOUND

Particular description of goods.—Asphaltic Compound for Sealing Batteries, Etc.
Claims use for not less than one year.

- 190,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREEN & GREEN COMPANY, Dayton, Ohio. Filed May 31, 1923. Serial No. 181,392.

TRIPLE WRAPPED

Particular description of goods.—Crackers, Cracker Meal, Longfellow Flakes, Fig Bars, Oyster Puffs, Graham

- Wafers, Parfaits, Soda Biscuits, Vanilla Wafers, Lemon Snaps, Gingerettes, Animal Crackers, and Chocolate-Coated Crackers.

Claims use since May 15, 1923.

- 190,625. (CLASS 39. CLOTHING.) NAT LUXENBERG & BROS., New York, N. Y. Filed July 29, 1924. Serial No. 200,688.

LUXENBERG CLOTHES

Particular description of goods.—Men's and Boys' Coats, Vests, Trousers, Overcoats, Suits, Knickers, Knee Pants, Mackinaws, and Raincoats.
Claims use since 1920.

- 190,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, St. Paul, Minn. Filed Apr. 15, 1922. Serial No. 162,341.

KRANK'S Lemon Cleansing Cream

Particular description of goods.—Cleansing Creams.
Claims use since May, 1912.

- 190,627. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SAXOPHONE SHOP, Chicago, Ill. Filed Mar. 2, 1923. Serial No. 176,856.



Particular description of goods.—Publications Issued Irregularly.
Claims use since Nov. 6, 1922.

- 190,628. (CLASS 39. CLOTHING.) WILLIAM CARROLL & COMPANY, INC., New York, N. Y. Filed July 7, 1923. Serial No. 182,899.

CARROLLTON

Particular description of goods.—Hats and Hatbands for Men and Boys.
Claims use for not less than one year.

- 190,629. (CLASS 39. CLOTHING.) WELFIT BRASSIERE Co., New York, N. Y. Filed Aug. 4, 1923. Serial No. 184,112.



Particular description of goods.—Brassières, Bandeaux, and Girdles.
Claims use since Apr. 12, 1921.

- 190,630. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE HARVEY MANUFACTURING COMPANY, Columbus, Ohio. Filed Sept. 29, 1923. Serial No. 186,366.



Particular description of goods.—Certain-Named Bed Springs.
Claims use since about Aug. 1, 1923.

- 190,631. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 3, 1923. Serial No. 187,919.

SILKENSTRIPE

Particular description of goods.—Shirts.
Claims use since Aug. 3, 1923.

- 190,632. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA BAL-SAM, doing business as A. Davis, New York, N. Y. Filed Dec. 29, 1923. Serial No. 190,229.

DAVIS

The Cream of Creams

A. DAVIS

PERFUMER

Particular description of goods.—Lemon Cream, Vanishing Cream, and Skin and Tissue Cream.
Claims use since Aug. 4, 1923.

190,633. (CLASS 39. CLOTHING.) WALL, STREETER & DOYLE Co., North Adams, Mass. Filed Jan. 23, 1924. Serial No. 191,208.

SELF-CONFORMER

Particular description of goods.—Leather and Fabric Shoes and Slippers.
Claims use since April, 1921.

190,634. (CLASS 39. CLOTHING.) M. SAMUELS & COMPANY, Inc., Baltimore, Md. Filed Feb. 2, 1924. Serial No. 191,719.

TUFHIDE

Particular description of goods.—Shoes.
Claims use since July 29, 1923.

190,635. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGGINS MANUFACTURING COMPANY, Providence, R. I. Filed Apr. 29, 1924. Serial No. 196,299.

HIGGINS

NUT PRODUCT

Particular description of goods.—A Solid Cooking or Shortening Compound Composed of Vegetable or Nut Oil.

Claims use since January, 1922.

190,636. (CLASS 39. CLOTHING.) HUDSON CLOAK & SUIT STORE, Paterson, N. J.; Bridgeport, Hartford, and New Haven, Conn.; and Boston, Mass., Etc. Filed May '19, 1924. Serial No. 197,276.

Hudson
CLOAK & SUIT STORE

Particular description of goods.—Women's, Misses', and Children's Coats, Dresses, Cloaks, Hats, Caps, Blouses, Capes, Scarfs, Stoles, Dress and Negligee Shirts, Suits, and Waists, Fur Coats, Scarfs, Muffs, and Capes.

Claims use since Sept. 5, 1912.

190,637. (CLASS 39. CLOTHING.) S. LIEBOVITZ & SONS, Inc., New York, N. Y. Filed May 28, 1924. Serial No. 197,764.

BENGAL

Particular description of goods.—Dress, Negligee, and Work Shirts.

Claims use since Jan. 2, 1919.

190,638. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRENCH N. MCCURTAIN, doing business as The No Pain Corn Remover Co., Wichita, Kans. Filed June 17, 1924. Serial No. 198,717.

**NO PAIN
CORN REMOVER**

Particular description of goods.—Preparation for Treating Corns.

Claims use since May 1, 1922.

190,639. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. L. PRESCOTT COMPANY, New York, N. Y. Filed July 9, 1924. Serial No. 199,800.

**OUTSHINES
'EM ALL**

Particular description of goods.—Stove Polish.

Claims use since about June 1, 1920.

190,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 31, 1924. Serial No. 200,784.

MONTICELLO

Particular description of goods.—Hams.

Claims use since July 17, 1916.

190,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 31, 1924. Serial No. 200,785.

LINCOLN

Particular description of goods.—Sausage.

Claims use since June 12, 1907.

190,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 31, 1924. Serial No. 200,786.

Ashland

Particular description of goods.—Sausage.

Claims use since Jan. 17, 1907.

190,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DUNLOP MILLING COMPANY, Clarksville, Tenn. Filed Aug. 2, 1924. Serial No. 200,869.

HOLSUM

Particular description of goods.—Wheat Flour and Self-Rising Flour.

Claims use since July, 1923.

TRADE-MARK REGISTRATIONS RENEWED

25,278. CERTAIN NAMED APPARATUS FOR WARMING AND HEATING WATER. Registered September 25, 1894. GEORGE EWART. Renewed September 25, 1924, to Ewart & Son Ltd., London, England, successor.

25,657. A MIXTURE OF PERIQUE, VIRGINIA, HAVANA, AND TURKISH TOBACCOS. Registered December 11, 1894. LLEWELLYN L. STODDARD. Renewed December 11, 1924, to Edward S. MacKendrick, New Haven, Conn., assignee.

25,866. SHEEP CASINGS. Registered January 15, 1895. GUS. V. BRECHT BUTCHERS' SUPPLY COMPANY, St. Louis, Mo. Renewed January 15, 1925.

25,928. TWINE, ROPE, AND OTHER CORDAGE. Registered January 29, 1895. COLUMBIAN CORDAGE COMPANY. Renewed January 29, 1925, to Columbian Rope Company, Auburn, N. Y., a Corporation of New York, assignee.

26,068. CUT AND PLUG TOBACCO, CIGARS, AND CIGARETTES. Registered February 19, 1895. SOLOMON HYMAN. Renewed February 19, 1925, to S. Hyman Limited, Montreal, Canada, assignee.

26,175. VALVES AND PIPE FITTINGS. Registered March 5, 1895. EASTWOOD WIRE MANUFACTURING COMPANY, Belleville, N. J. Renewed March 5, 1925.

26,182. BAKED PORK AND BEANS. Registered March 5, 1895. VAN CAMP PACKING COMPANY, Indianapolis, Ind. Renewed March 5, 1925.

26,225. CRAMP AND DIARRHEA COMPOUND. Registered March 12, 1895. STEPHEN D. VANSICKLE. Renewed March 12, 1925, to Amanda Vansickle, Ashland, Pa., successor.

REISSUES

OCTOBER 14, 1924.

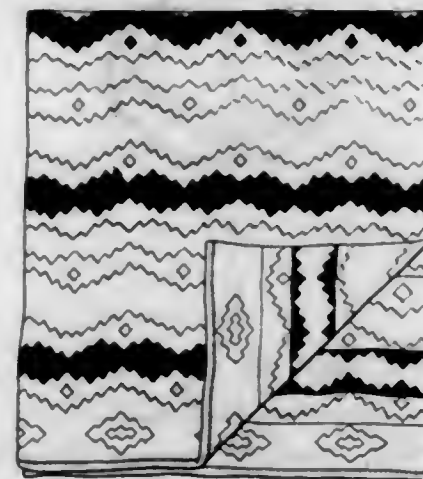
15,931. VOLATILIZATION OF METALS. GEORGE H. WIGTON, Eureka, and SAMUEL M. SEDDON, Salt Lake City, Utah. Filed Mar. 18, 1924. Serial No. 700,146. Original No. 1,458,016, dated June 5, 1923, Serial No. 579,883, filed Aug. 5, 1922. 13 Claims. (Cl. 75-17.)
1. The process of extracting metals from their ores by

subjecting the ore to the action of heat, which consists in so regulating the composition of the material to be treated that no considerable part of its non-volatillizable constituents shall become fused or liquefied at the temperature at which the metals are substantially completely volatilized, and collecting the volatilized metals.

DESIGNS

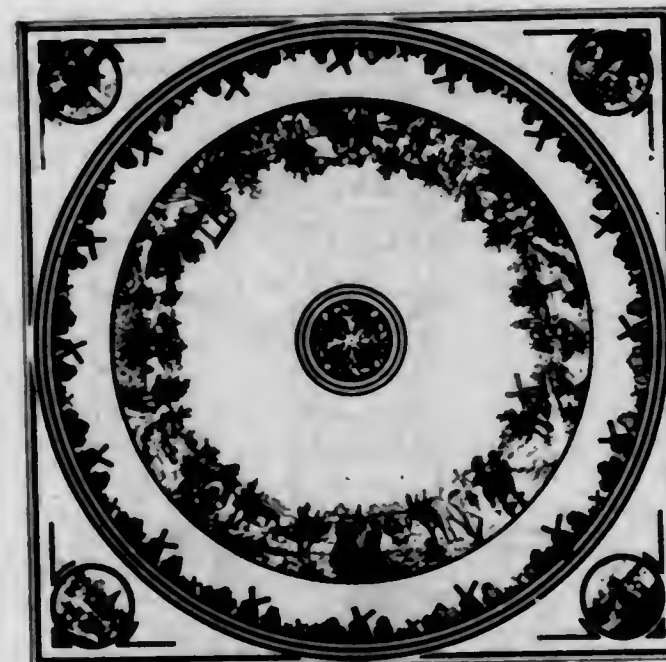
OCTOBER 14, 1924.

65,765. BLANKET OR SIMILAR ARTICLE. FREDERICK A. ANDREWS, Pequannock, N. J., assignor to The Esmond Mills, New York, N. Y., a Corporation of Massachusetts. Filed Aug. 21, 1922. Serial No. 3,495. Term of patent 7 years.



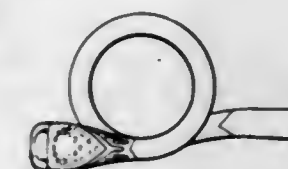
The ornamental design for a blanket or similar article substantially as shown.

65,766. TABLE COVER. CARRODUS BASTOW, Allwood, N. J., assignor to O'Bannon Company, West Barrington, R. I., a Corporation of Massachusetts. Filed Nov. 21, 1923. Serial No. 7,841. Term of patent 3½ years.



The ornamental design for a table cover, substantially as shown and described.

65,767. CIGARETTE HOLDER. BABETTE BECKWITH and REUBEN BECKWITH, San Francisco, Calif. Filed June 17, 1924. Serial No. 9,888. Term of patent 3½ years.



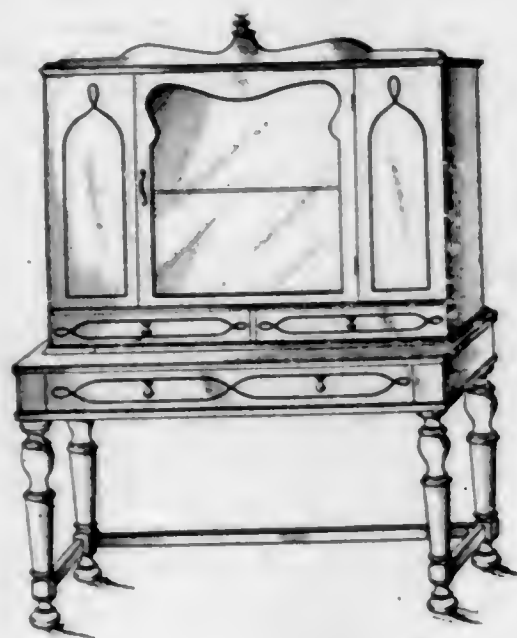
The ornamental design for a cigarette holder, as shown.

65,768. PRINTED FABRIC. LEO BLUHM, New York, N. Y. Filed July 5, 1923. Serial No. 6,681. Term of patent 3½ years.



The ornamental design for a printed fabric substantially as shown and described.

65,769. COMBINATION BUFFET, CHINA CLOSET, AND DESK. FRED W. BOCKSTEGE, Evansville, Ind. Filed Feb. 6, 1923. Serial No. 5,091. Term of patent 3½ years.



The ornamental design for a combination buffet, china closet, and desk, as shown.

65,770. TEXTILE FABRIC. JOHN S. BOYD, Williams-town, Mass., assignor to John S. Boyd Co., Inc., Williams-town, Mass., a Corporation of Massachusetts. Filed July 5, 1924. Serial No. 10,065. Term of patent 14 years.



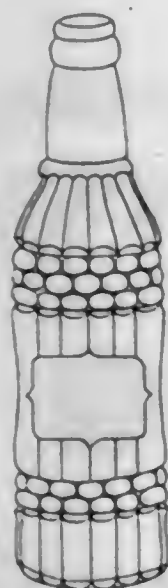
The ornamental design for a textile fabric, as shown.

65,771. GLASS DECANTER. RAYMOND V. BROMLEY, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Feb. 16, 1924. Serial No. 8,654. Term of patent 14 years.



The ornamental design for a glass decanter, as shown.

65,772. BOTTLE. GEORGE CALTIS, Memphis, Tenn. Filed July 30, 1924. Serial No. 10,318. Term of patent 14 years.



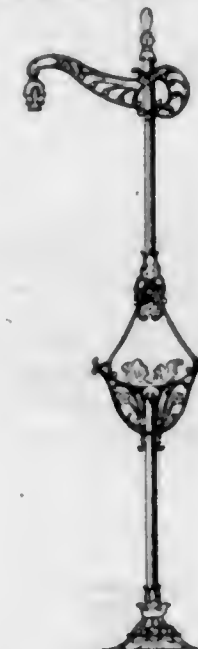
The ornamental design for a bottle as shown.

65,773. DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 1, 1924. Serial No. 10,337. Term of patent 3½ years.



The ornamental design for a dress, as shown.

65,774. FLOOR LAMP. EDWIN N. GACKENBACH, Orel-and, Pa. Filed Aug. 8, 1924. Serial No. 10,417. Term of patent 3½ years.



The ornamental design for a floor lamp as shown.

65,775. AUTOMOBILE SIGNAL-LIGHT CASING. FLINT GARRISON, St. Louis, Mo. Filed May 9, 1922. Serial No. 2,154. Term of patent 14 years.



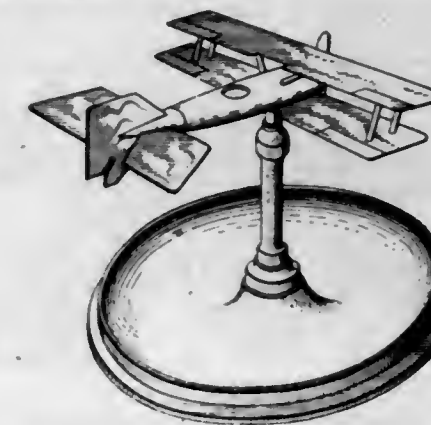
The ornamental design of an automobile signal light casing substantially as shown.

65,776. FINGER RING OR ARTICLE OF SIMILAR NATURE. BENJAMIN GROSS, New York, N. Y., assignor to Benjamin Gross Company, Inc., New York, N. Y., a Corporation of New York. Filed July 3, 1924. Serial No. 10,039. Term of patent 3½ years.



The ornamental design for a finger ring or article of similar nature as shown.

65,777. ASH TRAY. FRANK L. HALE, Brooklyn, N. Y. Filed June 4, 1920. Serial No. 386,599. Term of patent 3½ years.



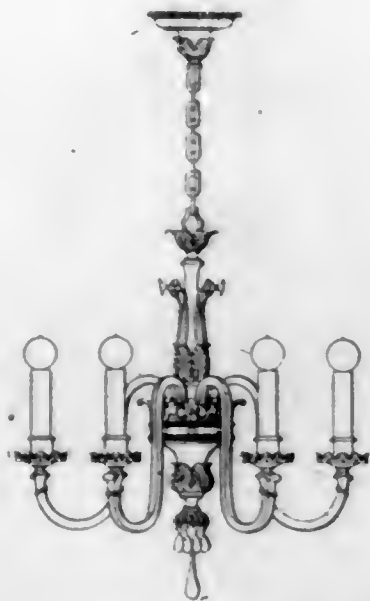
The ornamental design for an ash tray, as shown.

65,778. TABLE ORNAMENT. RITA M. HARDIE, Brooklyn, N. Y. Filed May 22, 1924. Serial No. 9,688. Term of patent 14 years.



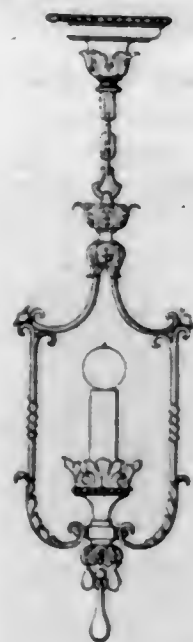
The ornamental design for a table ornament as shown and described.

65,779. CHANDELIER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Nov. 17, 1923. Serial No. 7,787. Term of patent 7 years.



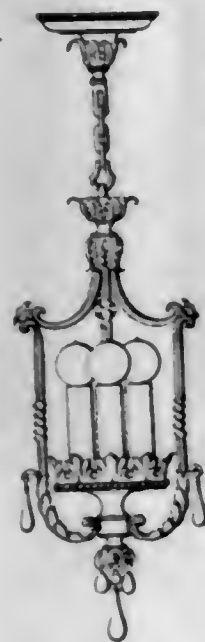
The ornamental design for a chandelier, as shown.

65,780. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Nov. 17, 1923. Serial No. 7,789. Term of patent 7 years.



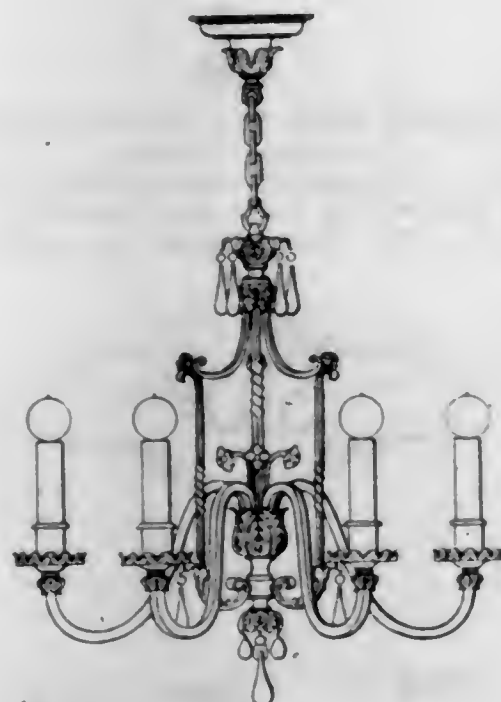
The ornamental design for a lighting fixture, as shown.

65,781. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Nov. 17, 1923. Serial No. 7,790. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

65,782. CHANDELIER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Nov. 17, 1923. Serial No. 7,795. Term of patent 7 years.



The ornamental design for a chandelier, as shown.

65,783. CANDLE TABLE LAMP. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,407. Term of patent 7 years.



The ornamental design for a candle table lamp, as shown.

65,784. LAMP STAND. IRWIN HUFFAM KRAVITT, Philadelphia, Pa. Filed Aug. 5, 1924. Serial No. 10,377. Term of patent 14 years.



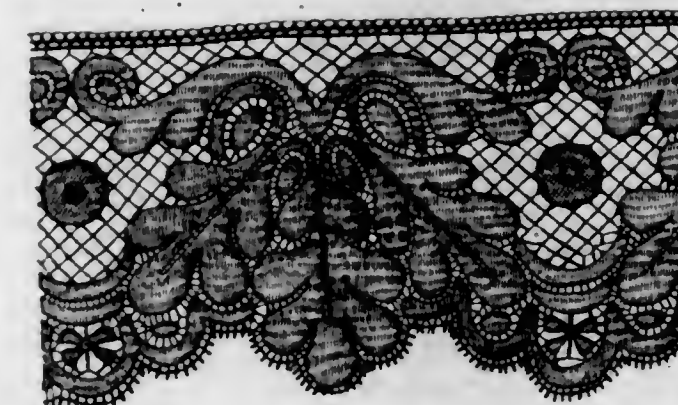
The ornamental design for a lamp stand, as shown.

65,785. BADGE OR ARTICLE OF SIMILAR NATURE. JOSEPH A. MEYERS, Los Angeles, Calif., assignor to J. A. Meyers & Co., Inc., Los Angeles, Calif., a Corporation of California. Filed Nov. 12, 1923. Serial No. 7,747. Term of patent 14 years.



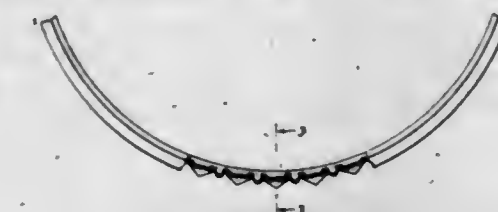
The ornamental design for a badge or article of similar nature, as shown.

65,786. LACE. ALBERT E. NEWTON, West Barrington, R. I., assignor to Rhode Island Lace Works, West Barrington, R. I., a Corporation of Rhode Island. Filed June 4, 1923. Serial No. 6,382. Term of patent 3½ years.



The ornamental design for a lace substantially as shown.

65,787. BRACELET. LOUIS NOEL, New York, N. Y. Filed Oct. 28, 1922. Serial No. 4,151. Term of patent 3½ years.



The ornamental design for a bracelet, as shown.

65,788. HAT. PHILIP SUSMAN, New York, N. Y., assignor to Commercial Headwear Co., Inc., a Corporation of New York. Filed June 14, 1924. Serial No. 9,870. Term of patent 3½ years.



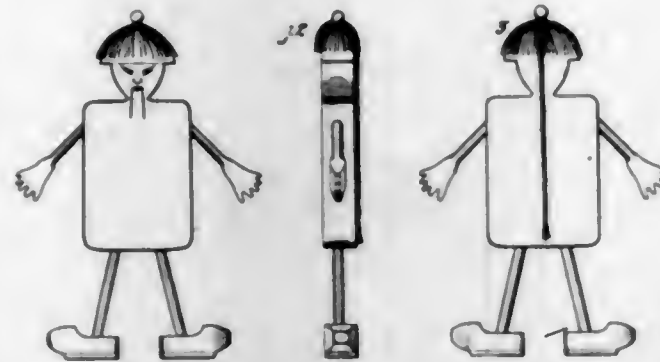
The ornamental design for a hat, as shown.

65,789. LIGHTING FIXTURE. ALBERT F. WAKEFIELD, Vermillion, Ohio, assignor to The F. W. Wakefield Brass Company, Vermillion, Ohio, a Corporation of Ohio. Filed Apr. 25, 1924. Serial No. 9,393. Term of patent 7 years.



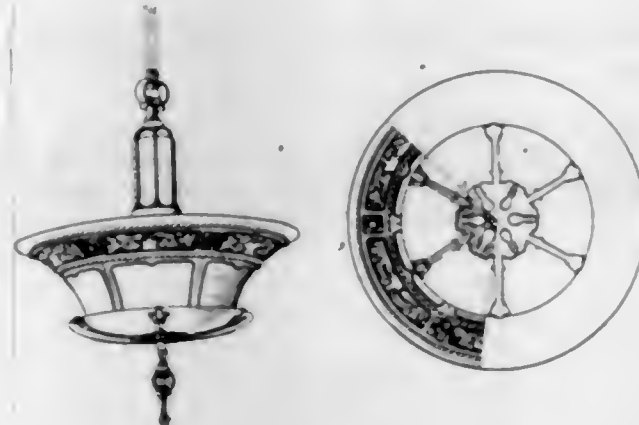
The ornamental design for a lighting fixture as shown.

65,790. DOLL. HELENA WEBSTER, Tacoma, Wash. Filed Aug. 6, 1924. Serial No. 10,389. Term of patent 3½ years.



The ornamental design for a doll as shown.

65,791. LIGHTING FIXTURE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Aug. 20, 1924. Serial No. 10,499. Term of patent 14 years.

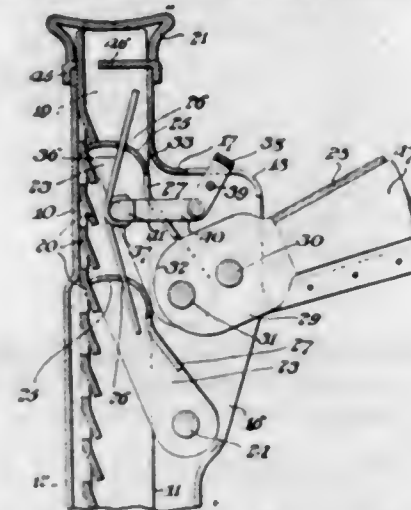


The ornamental design for a lighting fixture, as shown.

PATENTS

GRANTED OCTOBER 14, 1924.

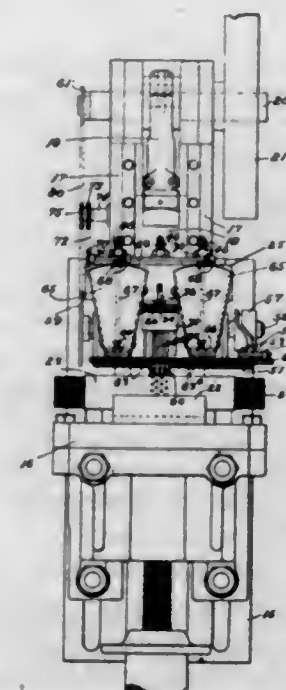
1,511,209. LIFTING JACK. WALTER G. ARMSTRONG, Bridgeport, Conn., assignor to The American Tube and Stamping Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 1, 1921. Serial No. 497,508. 10 Claims. (Cl. 254-111.)



2. A device of the class described comprising a casing, a rack slidably mounted therein, an operating lever pivoted in said casing, a hollow lifting pawl carried by said lever and engaging the teeth of said rack, a retaining pawl pivoted in said casing, and engaging said rack, a spring having its ends extending through holes provided in the backs of said pawls, and means for shifting the center of said spring from one side to the other of a straight line connecting said holes.

9. In a lifting jack, in combination with a casing, a rack and an operating lever, a pawl carried by said lever and adapted to engage said rack, said pawl comprising spaced side walls and a back wall, the latter being provided with a hole and a slot, and a pawl-actuating spring extending into said hole.

1,511,210. MACHINE FOR FILLING LUBRICATING BUSHINGS. LEONARD BARTLETT, Springfield, Mass., assignor to Reliance Machine & Specialty Company, Boston, Mass., a Corporation of Massachusetts. Filed July 23, 1923. Serial No. 653,100. 29 Claims. (Cl. 18-5.)

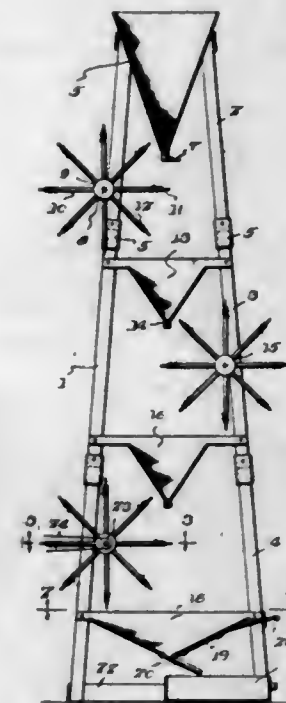


2. In a machine for filling self-lubricating bushings, means for forming a plurality of lubricant plugs at

each operation of the machine, and means for simultaneously inserting all of the plugs so formed at a succeeding operation of the machine.

21. In a machine for filling self-lubricating bushings, means for supporting a perforated bushing to be filled, means for forming plugs of lubricant material, means for inserting said plugs in the perforations in said bushing, a carrier for transferring said plugs from said forming means to said inserting means, and means for moving said carrier in a rectilinear direction.

1,511,211. TOY. LUTHER E. BAUBLITZ, Washington, D. C. Filed Jan. 18, 1924. Serial No. 687,083. 2 Claims. (Cl. 46-37.)

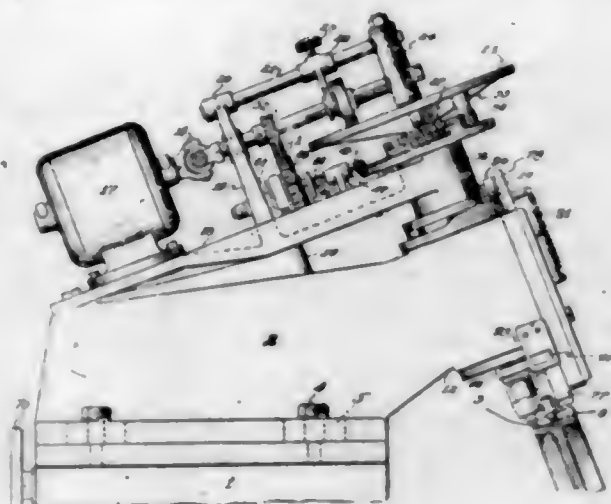


1. A sand toy, comprising a frame, paddle wheels journaled in bearings on the opposite sides thereof and disposed in staggered relation, a valve controlled feed hopper at the top of the frame, directing funnels supported on the frame above the remaining paddle wheels whereby when said is let out of the feed hopper and delivered in a stream on to the paddle wheel adjacent thereto the funnels will direct the said sand on to the remaining paddle wheels to cause the simultaneous turning of all of the wheels, and a valve controlled hopper on the frame receiving the sand from the lowermost paddle wheel.

1,511,212. PROCESS FOR THE TREATMENT OF YARNS. HENRY JAMES WHEELER BLISS, Leeds, England, assignor to The British Research Association, for the Woolen and Worsted Industries. Filed Nov. 10, 1922. Serial No. 600,168. 4 Claims. (Cl. 28-1.)

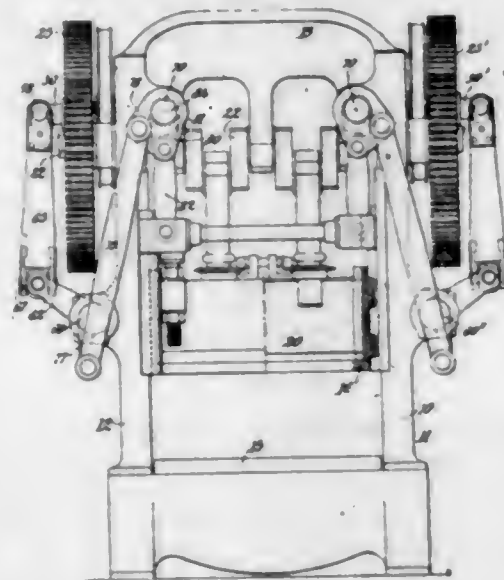
1. The process for modifying yarn having the characteristics of wool or hair, according to which the yarn is moistened and then stretched to a definite amount substantially greater than that employed for straightening yarn in hank form as in dyeing, say not less than eight per cent in any case, and then drying the yarn while in the stretched condition, the result being the production of a yarn with much greater take up than heretofore.

1,511,213. GEAR-TOOTH ROUNDER. PHILIP S. ARNOLD, Highland Park, Mich., assignor to MILTON O. CROSS, Detroit, Mich. Filed Nov. 10, 1919. Serial No. 337,058. 31 Claims. (Cl. 90-15.)



1. In a machine for rounding the ends of gear teeth, a rotatable cutting tool, means for causing the tool to traverse a complete circle, and a gear holder adapted to position the gear with the axis thereof at any one of various angles to the axis of the circle traversed by the tool with the end of the tooth to be operated on within the path of movement of the tool.

1,511,214. TOGGLE PRESS. OTTO S. BEYER, Brooklyn, N. Y., assignor to E. W. Bliss Company, New York, N. Y., a Corporation of West Virginia. Filed May 14, 1920. Serial No. 381,369. 19 Claims. (Cl. 113-38.)

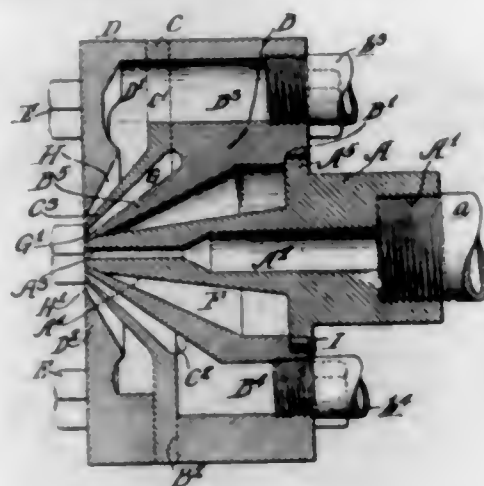


1. A press comprising a frame a blank-holder or die carrying slide, and means for reciprocating the same, said means comprising a rotary part, a rocking part at a lower part of said frame turning on an axis at right angles to the axis of rotation of said rotary part, a driving connection between said rocking part and said slide and a driving connection between said rotary part and said rocking part, said driving connection between said rocking part and said slide comprising a second rocking part, a toggle having its ends connected to said last-named rocking part and said slide, and a link connecting said rocking parts.

1,511,215. NOZZLE FOR ATOMIZING MOLTEN METAL. JOHN H. CALBECK, Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 20, 1923. Serial No. 626,253. 2 Claims. (Cl. 299-141.)

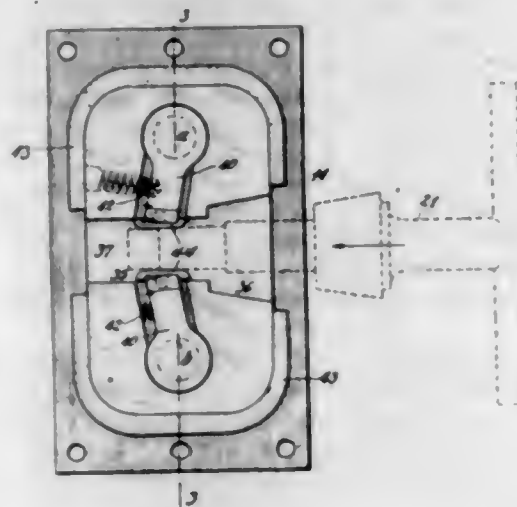
1. A nozzle for atomizing molten metal comprising in combination a conduit for the molten metal having an

opening at its end and a casing enclosing the conduit spaced away from it to form a dead air chamber and having formed in it outside of said dead air chamber



a conduit chamber for air under pressure terminating in an air nozzle formed to direct an air jet against the molten metal issuing from the open end of the molten metal conduit.

1,511,216. LATCH FOR AUTOMOBILE DOORS. WILLIAM H. DOUGLAS, Keyport, N. J. Filed Mar. 14, 1923. Serial No. 624,894. 29 Claims. (Cl. 292-204.)

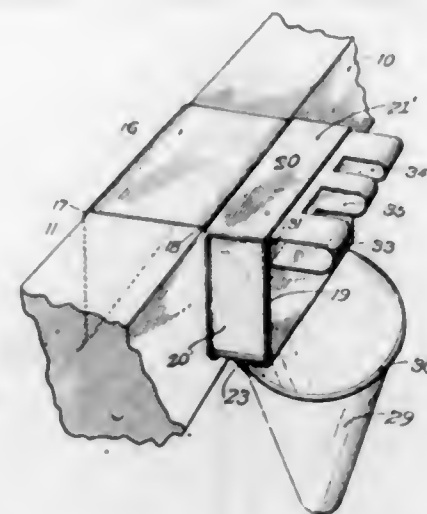


1. In a device of the class described, the combination of a keeper casing having an opening in one side thereof, a pair of clutch dogs pivotally mounted in the casing on opposite sides of the opening and having their free ends projecting towards each other and into the opening, and a latch shaft mounted for rotary movement and adapted to be moved into said opening, said shaft having oppositely disposed high portions alternating circumferentially with oppositely disposed low portions, said low portions being spaced from the dogs in all positions of the same whereby the shaft may be rotated into position free of the clutching action of the dogs and said high portions adapted to engage the dogs to move the same in one direction and into a one-way slip clutch connection with the shaft to prevent its movement axially in one direction while permitting its corresponding movement in the opposite direction.

1,511,217. ASH RECEPTACLE AND MATCH-SAFE HOLDER. HERBERT E. FLORECKY, Chicago, Ill. Filed Nov. 26, 1920. Serial No. 426,359. 3 Claims. (Cl. 131-51.)

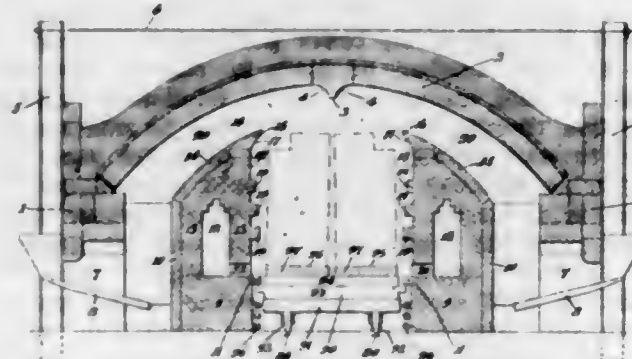
1. An article of manufacture comprising a blank of metal bent to form oppositely disposed contiguous jaws,

one of said jaws adapted to engage a support and the other to receive a match safe and having a cigar holder



and means for supporting a receptacle on the last mentioned jaw beneath the cigar holder.

1,511,218. TUNNEL KILN. WILLIAM LEE HANLEY, JR., Bradford, Pa. Filed Jan. 9, 1923. Serial No. 611,597. 24 Claims. (Cl. 25-142.)

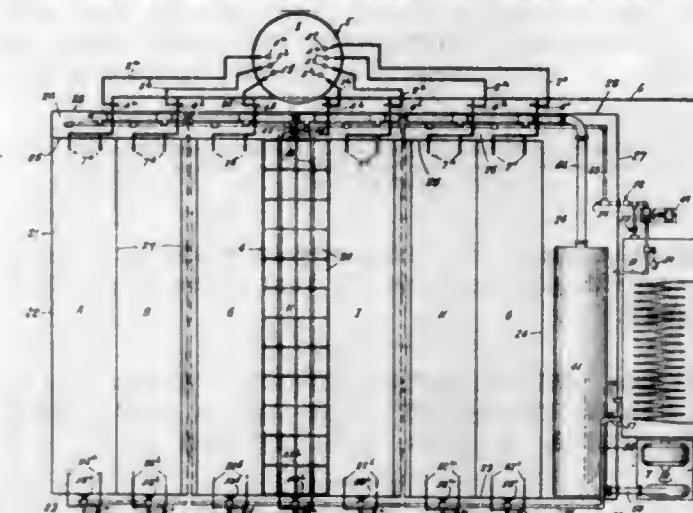


1. In a tunnel oven, the combination with a firing chamber having a goods space extending longitudinally thereof, direct firing furnaces for said chamber, said chamber being provided with discharge passages for said furnaces communicating with said chamber near the top thereof, and means for deflecting the products of combustion downward centrally of the goods space, receiving flues located on opposite sides of said chamber, and interposing an impermeable wall between the said passages and the goods space, said receiving flues being provided with inlet ports on their inner faces adjacent to the lower portion of the goods space, and means for preventing the products of combustion discharged from said discharge passage into said chamber from passing downwardly therefrom between the goods and the inner walls of the receiving flues.

1,511,219. ICE PLANT. RALPH HORTON, New York, N. Y. Filed Jan. 19, 1921. Serial No. 438,279. 18 Claims. (Cl. 62-172.)

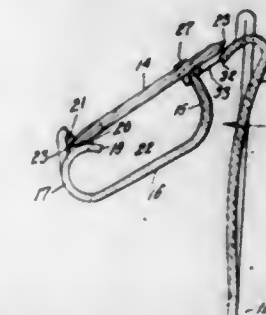
1. In an ice-making plant, the combination of a tank, a can located therein and having its lower end spaced from the bottom of the tank, and having its entire lower end exposed to a liquid medium in the tank, said liquid medium creating a hydrostatic pressure upon the bottom of the tank sufficient to resist the upward buoyant force exerted by the liquid medium upon the can when empty and a connection between said can and said tank arranged in non-obstructive relation with reference to the removal of the ice block from the can while the can remains in the tank, said connection successively resisting first the pull incidental to the removal of the ice from

the can and then the buoyant force exerted by the liquid upon the can after the ice has been removed therefrom



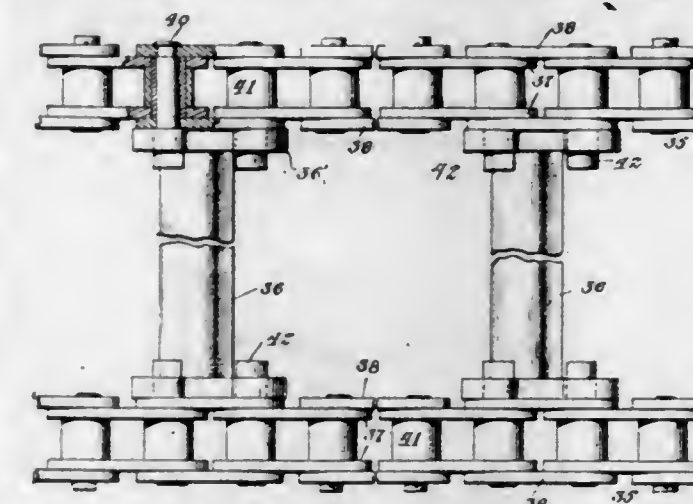
and being free from upwardly directed strain when the can contains water to be frozen.

1,511,220. SAFETY RAZOR. FELIX ISMAN, New York, N. Y., assignor to Edwin N. Duffy, New York, N. Y. Filed Nov. 9, 1923. Serial No. 673,731. 4 Claims. (Cl. 30-12.)



1. A razor blade holder including means for locking the blade thereto, said locking means being made integral with said holder, and means made integral with said holder for ejecting the blade therefrom.

1,511,221. CONVEYER. JOSEPH F. JOY, Franklin, Pa., assignor to Joy Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 24, 1924. Serial No. 688,183. 5 Claims. (Cl. 198-168.)

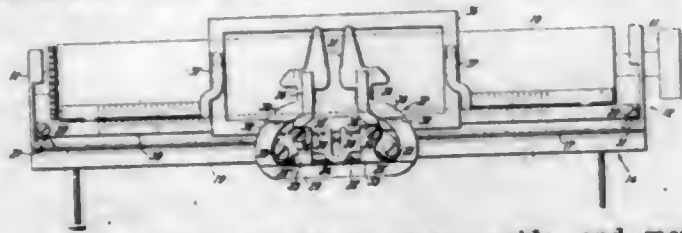


5. In an endless member of a chain and scraper conveyer, a pair of chains provided at intervals with pairs of inwardly projecting studs, and scraper bars having their ends telescopically receiving adjacent pairs of said studs.

1,511,222. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 28, 1923. Serial No. 654,300. 13 Claims. (Cl. 197-185.)

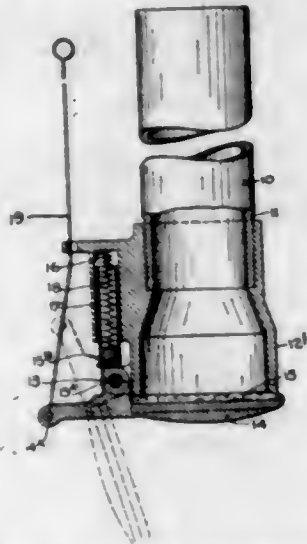
1. In a typewriting machine, a platen, a carriage for the platen, a frame on which the carriage has move-

ment in letter-feed and return directions, a ribbon-vibrator-guide on the frame at the front of the platen, a



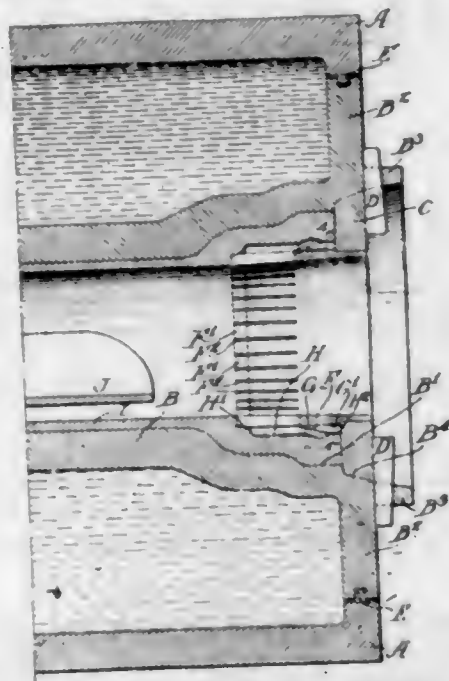
wing scale behind the ribbon-vibrator-guide, and means for supporting the scale on the front of the ribbon-vibrator-guide.

1,511,223. OIL-SAMPLING DEVICE. ELMER V. LA CHAPPELLE, Chicago, Ill. Filed Apr. 8, 1920. Serial No. 372,276. 1 Claim. (Cl. 137-18.)



In a device for extracting representative samples from a substance, a container having an opening in the bottom thereof, a valve oscillating about an axis at right angles to the container axis and closing said opening upon the container engaging the bottom of a receptacle containing said substance, and a spring-pressed plunger arranged to retain said valve in open and closed position, respectively.

1,511,224. CASTING APPLIANCE. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Jan. 5, 1923. Serial No. 610,743. 7 Claims. (Cl. 22-167.)



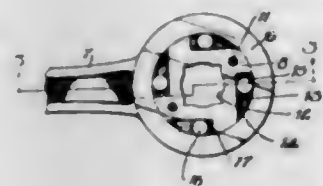
1. A casting appliance consisting of a metal core piece in combination with means for forming a depression in the casing consisting of a thin metal shell supported on the metal core piece.

1,511,225. PENCIL. GABRIEL LARSEN, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a Corporation of New York. Filed May 17, 1922. Serial No. 561,613. 2 Claims. (Cl. 120-18.)



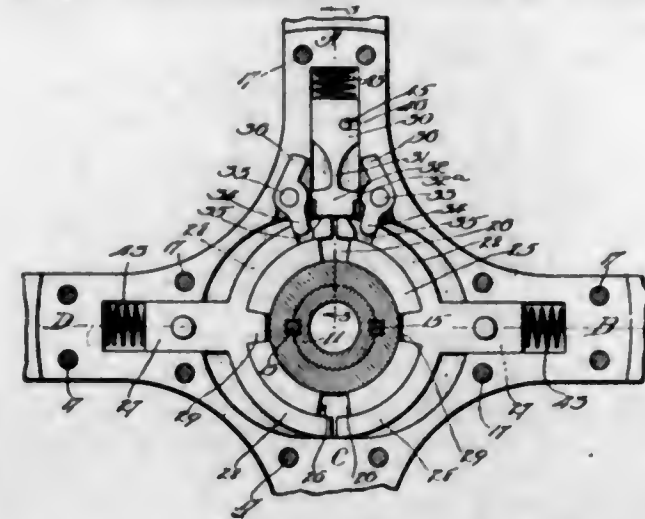
2. In a pencil, an outer casing internally screw-threaded throughout the lower portion of its length, a screw-threaded member adapted to engage the screw threads of said casing and to be frictionally retained in position therein, a carrier swivelled to said member, a nose through which the lead is propelled secured to said carrier, whereby rotation of said nose effects rotation of said carrier, and a propelling member guided by and rotatable with said carrier and comprising a screw threaded part adapted to engage the screw threads of said casing, said member being provided with means, whereby a tool may operatively engage said member to turn the same and thereby remove said member and carrier through the nose end of the pencil.

1,511,226. WRENCH. STANLEY O. LAWRENCE, Chicago, Ill., assignor to The Beckley-Ralston Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 9, 1922. Serial No. 527,839. 2 Claims. (Cl. 81-60.)



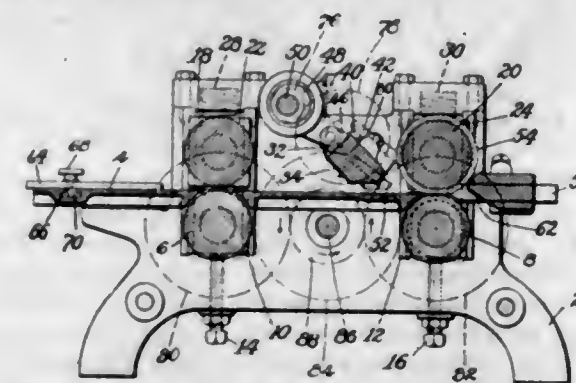
1. In a wrench, the combination of an outer member having a cylindrical opening extending completely and transversely therethrough and provided with a handle whereby it may be turned, an inner member fitting and rotatable in said cylindrical opening and provided with a socket extending transversely therethrough and pockets extending entirely across its periphery, rollers in the pockets for locking the members together for conjoint rotation in one direction, an integral outwardly extending flange at one side of the inner member lapping one of the outer faces of the outer member and forming a closure for one end of the pockets, and a removable plate secured to the other side of the inner member lapping the outer face of the other side of the outer member to hold the inner member in said opening, and forming a closure for the other end of said pockets.

1,511,227. STEERING WHEEL. LEROY C. LAZEAR, Chicago, Ill. Filed Apr. 5, 1919. Serial No. 287,866. Renewed July 6, 1922. Serial No. 578,188. 8 Claims. (Cl. 70-129.)



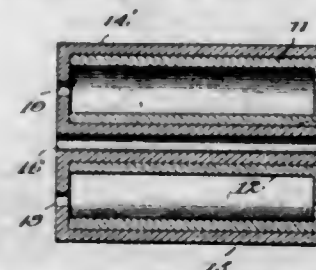
5. In a steering wheel having an axial opening adjacent which is a chamber formed interiorly of the wheel, the combination of a hub formed separately therefrom and wholly contained within the axial opening, means within the chambered portion of the wheel adapted to engage with the hub for interlocking the wheel therewith, a ring removably secured to the wheel side adjacent its center adapted to retain the hub within the axial opening, and means preventing access to said ring comprising a cap arranged in covering relation thereto and in immovable relation to the wheel, substantially as described.

1,511,228. ART OF MAKING WELTING. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 26, 1918. Serial No. 246,846. 11 Claims. (Cl. 164-61.)



1. A machine of the class described comprising a work support, a cutter constructed and arranged to produce a series of slashes between the edges of a sheet of material, in combination with a cutter for subsequently dividing the sheet at an acute angle to its surface along the area so slashed and mechanism for feeding the work transversely of said slashes.

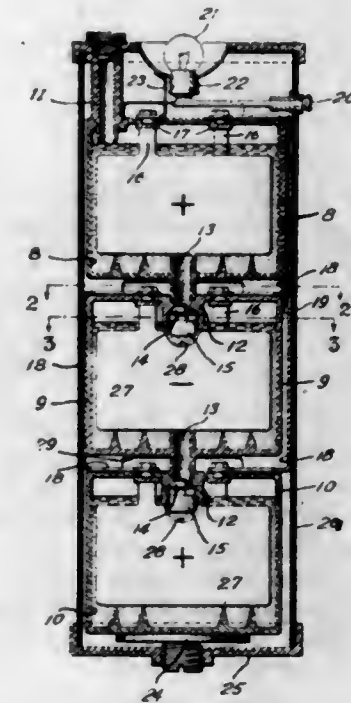
1,511,229. TRANSFORMER CORE FOR RADIO WORK. RAYMOND G. MCKEE, Delhi, N. Y. Filed Nov. 4, 1921. Serial No. 512,895. 3 Claims. (Cl. 175-356.)



1. A transformer of the type described comprising a plurality of shells, each formed with a plurality of

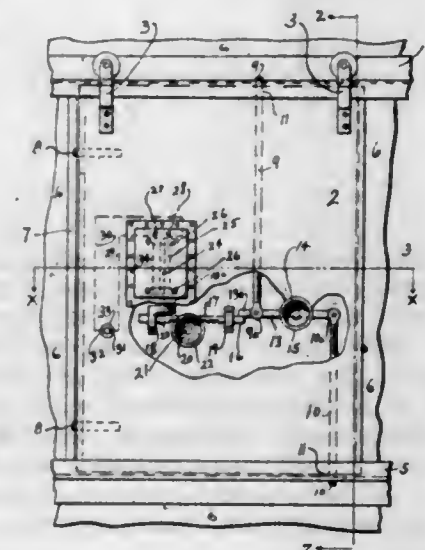
concentric cylindrical flanges, the outer flange of one of said elements fitting outside the outer element of the other, and the inner cylindrical element of the first shell fitted inside the inner cylindrical element of the other as and for the purpose set forth.

1,511,230. PORTABLE SECONDARY BATTERY. RALPH MARTIN, Brooklyn, N. Y. Filed Dec. 22, 1922. Serial No. 608,537. 7 Claims. (Cl. 204-29.)



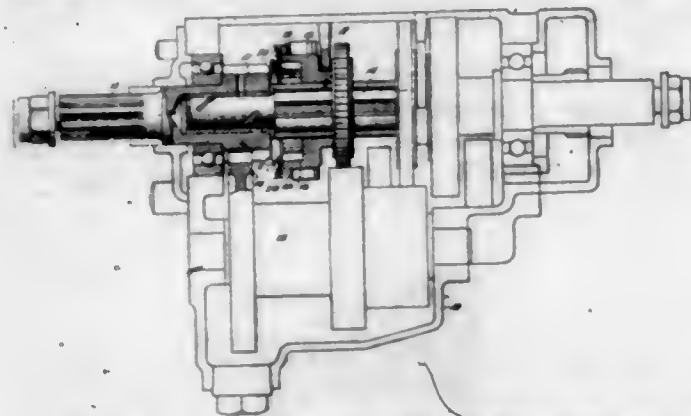
4. In a battery as characterized, a plurality of superposed inter-communicating cells; means floated by the electrolyte in each cell for discontinuing the supply thereof from an adjacent cell; and a plurality of metallic battery plates of opposite potential, said plates being cut away to provide operating space for the flotation means above mentioned.

1,511,231. SECURED CAR DOOR. EARL F. MILES and ERNEST V. LARKIN, Buffalo, N. Y. Filed Oct. 24, 1919. Serial No. 333,049. 3 Claims. (Cl. 292-40.)



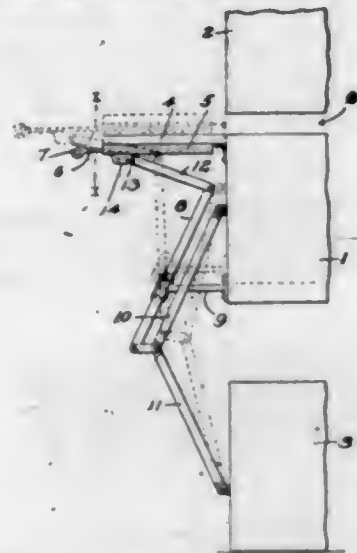
1. The combination with a door for a freight car, of a bolt thereon, a lever connected with said bolt for projecting the same, positive means engaging said lever to prevent its operation, means for shifting said positive means out of engagement with said lever and reciprocating means normally preventing the shifting of said positive means.

1,511,232. CLUTCH-RING SYNCHRONIZING DEVICE. HOWARD J. MURRAY, New York, N. Y. Filed Mar. 30, 1922. Serial No. 548,236. 8 Claims. (Cl. 192-53.)



1. In a clutch of the plug and socket type, the combination of a plug member having external teeth beveled at one end, a socket member adapted to receive the beveled end of the plug member when moved axially into telescopic intermeshing relation, a one-piece split ring carried by the end of the socket member facing the beveled end of the plug member, encircling the axis of rotation of the plug member, fixed to the socket member against relative rotary movement about said axis and provided with a beveled outer face adapted to be engaged by the beveled end of the plug member to provide a friction drive between the members, said ring being expandable transversely of the axis of rotation of the members to permit the plug member to pass into the same and to permit the forward beveled end of the plug member to pass therethrough and into meshing engagement with the socket member.

1,511,233. SAFETY DEVICE FOR POWER PRESSES. ANDREW C. NICOLS, Youngstown, Ohio. Filed Nov. 3, 1923. Serial No. 672,662. 2 Claims. (Cl. 74-105.)

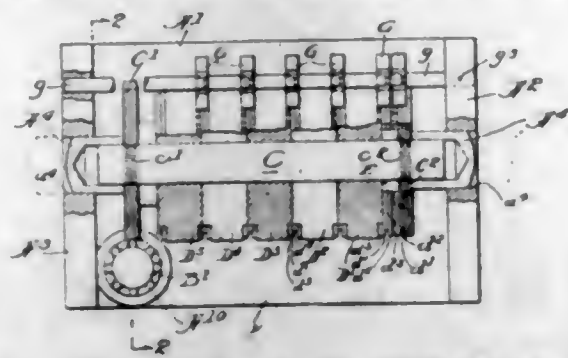


1. In a power press including two members reciprocable one relatively to the other in vertical direction to and from a plane of meeting, a table hinged to one of said members and adapted to be swung from an active position of horizontal extension to an inactive and remote position, a guard rail borne by said table and extensible and retractible in the general plane of table extent, and means for effecting extension and retraction of said guard rail as the said press members reciprocate, said means engaging the guard rail by a separable pivot engagement.

1,511,234. ODOMETER DRIVE. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 14, 1922. Serial No. 581,563. 3 Claims. (Cl. 235-96.)

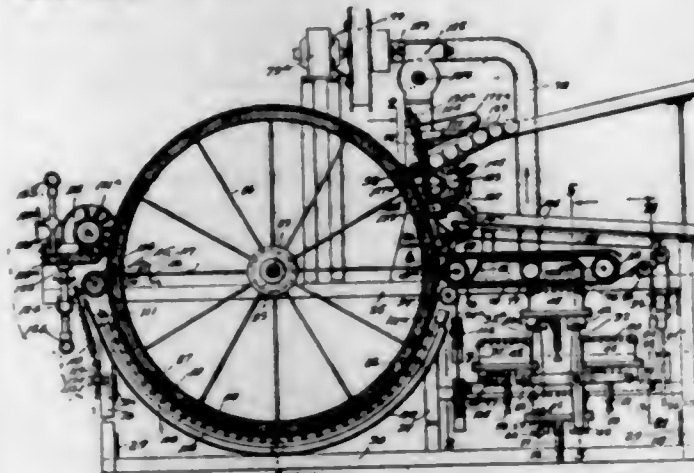
2. A revolution counter having its entire system of number wheels mounted side by side on a shaft-in-com-

mon; a unitary frame comprising a longitudinal bar and parallel end standard projecting therefrom, the length of a shaft being not greater than the distance apart of said end standards, the latter having aligned apertures; and journal bearing sleeves fitted for thrust



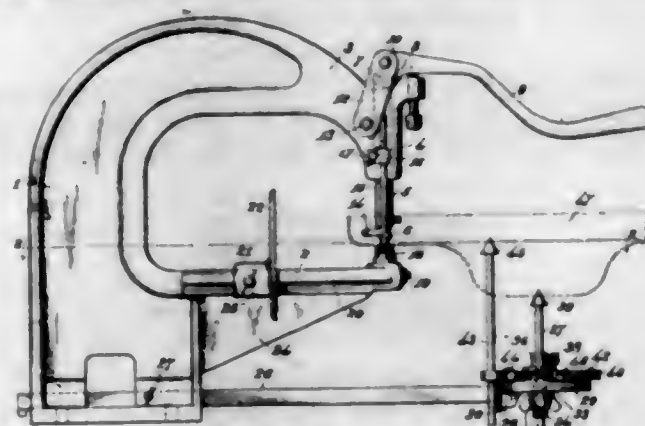
through said apertures and for journaling the ends of the shaft, and longitudinally dimensioned for encountering at their proximate ends the extreme stop members on the shaft while engaged at their remote ends in said apertures of the standards respectively.

1,511,235. LABELING MACHINE. MORTON F. PHELPS, Little Rock, Ark., assignor to Phelps Manufacturing Company, Little Rock, Ark., a Copartnership consisting of Frank Phelps and Morton F. Phelps. Filed Sept. 25, 1920. Serial No. 412,665. 40 Claims. (Cl. 216-55.)



1. Mechanism for affixing labels to containers, comprising, in combination, a rotatable label carrying drum, means for feeding labels to said carrier, means for applying adhesive material to said labels while supported by said carrier, means for moving the label, while supported by said carrier, into contact with the containers to be labeled, and means for rotating the container while in contact with the label and thereby wrapping the label around the container.

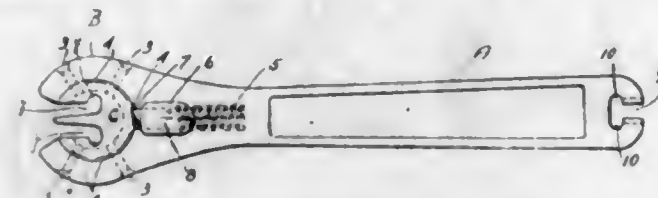
1,511,236. GAUGING APPARATUS. HEYMAN ROSENBERG, New York, N. Y. Filed Apr. 19, 1922. Serial No. 555,611. 25 Claims. (Cl. 164-87.)



1. In gauging apparatus, the combination, with a punch or the like, of an adjustable work support, dis-

tance-indicating means adjustable laterally of the support, and work-locating means carried by the distance-indicating means.

1,511,237. WIRE-TWISTING TOOL FOR CONCRETE FORMS. HARVEY B. SHRECKENGAST, Binghamton, N. Y. Filed Jan. 22, 1923. Serial No. 614,071. 1 Claim. (Cl. 140-119.)

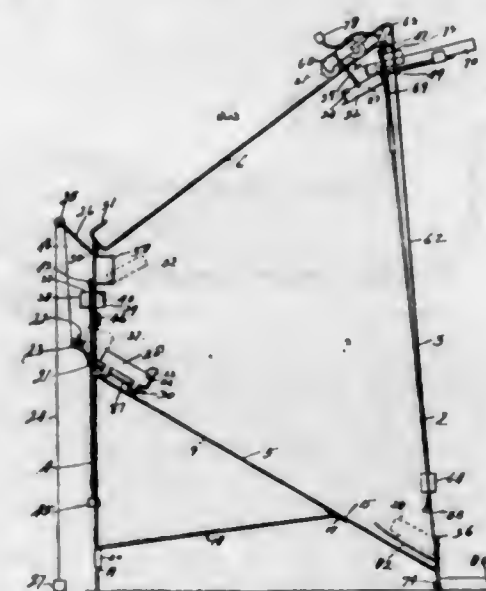


A wire twisting tool comprising a handle terminating at one end in a bifurcation, the arms of the bifurcation being arcuate in shape and provided with perforations extending therethrough, a channeled disk mounted in the bifurcation and provided with slots extending from the periphery of the disk inwardly and terminating in enlarged recesses, a row of notches on the periphery of the disk, a spring pressed pawl on the handle for engagement with the notches, and a plurality of set screws entering the perforations of the bifurcation and engaging the channel in the disk for rotatably retaining the disk in position in the bifurcation.

1,511,238. METHOD FOR TREATING MATERIAL. PHILIP A. SINGER, Glenellyn, Ill. Filed Sept. 22, 1922. Serial No. 589,954. 14 Claims. (Cl. 23-31.)

1. The method of treating porous material by partial vacuum and a treating liquid which comprises moving the material while under partial vacuum into the treating liquid.

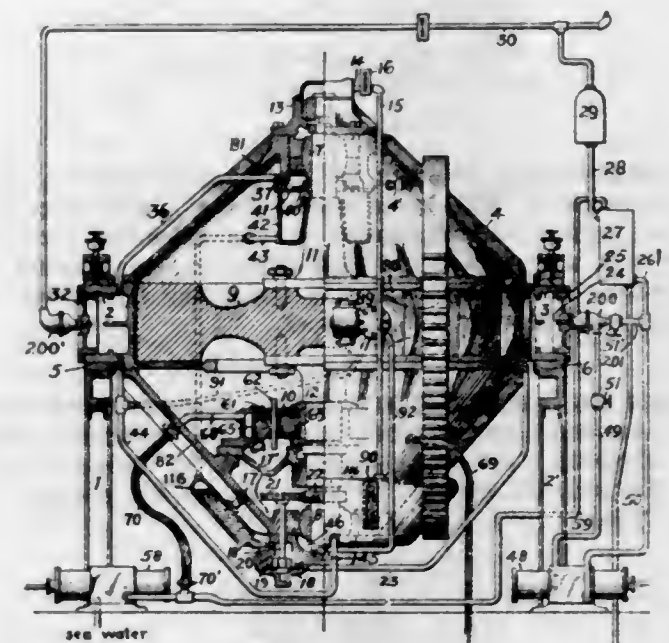
1,511,239. MECHANICAL TOY. MAHLON HORACE SNYDER and FULTON H. SMITH, Philadelphia, Pa. Filed Sept. 11, 1922. Serial No. 587,299. 2 Claims. (Cl. 46-36.)



1. A mechanical toy comprising a tall tower, a short tower, an inclined monorail track connected with the upper ends of said towers, a two rail track connected with the lower portion of the tall tower and with the short tower at a point intermediate its height, cars mounted to run on said tracks, means to normally maintain the cars at the highest points of their respective tracks, an elevator mounted on the short tower to operate between the low point of the monorail track and the high point of the two rail track, means to normally maintain the elevator in a raised position, and means to successively release ball weights so as to enter the car on the monorail track and cause said car to convey the ball weight to the elevator, said elevator conveying

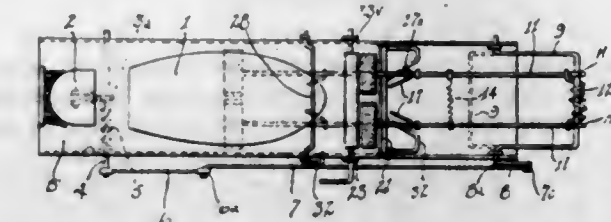
the ball weight on the car of the two rail track which latter conveys said ball weight to the base of the tall tower.

1,511,240. COOLING MEANS FOR GYROMOTORS. ELMER A. SPERRY and EDWARD G. SPERRY, Brooklyn, N. Y., assignors to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Original application filed Sept. 16, 1918, Serial No. 254,342. Divided and this application filed Sept. 9, 1920. Serial No. 400,190. 4 Claims. (Cl. 74-78.)



1. The combination with a gyroscope having a rotor, a casing enclosing the same and adapted to be evacuated, an electric motor within said casing for driving the gyro rotor, a channel adjacent the windings of said motor, a connection from said channel to the exterior of said casing, and means for circulating a cooling medium therethrough.

1,511,241. SHOE-SHINING MACHINE. ANTON A. STAVICK, Sioux City, Iowa. Filed May 24, 1922. Serial No. 563,335. 3 Claims. (Cl. 15-83.)

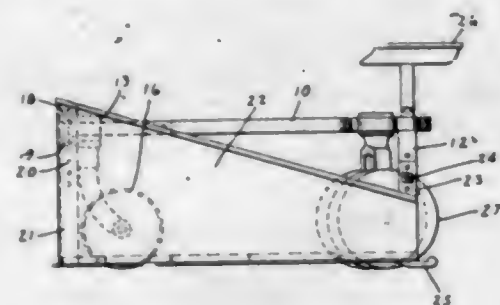


1. A shoe shining machine of the character described comprising a fixed sole plate for supporting the sole of a shoe, a movable heel plate for supporting the heel of said shoe, a pair of brushes, means for moving said brushes longitudinally of said sole plate, and consequently upon said shoe, means associated with said heel plate for actuating said brush operating means, and means for supplying polish to said brushes prior to their movement upon said shoe, said last named means being arranged for movement out of registration with said brushes at will.

1,511,242. SELF-GUIDING AND RIDING CULTIVATOR. ALONZO L. STEWART, Rushville, Ind. Filed July 22, 1922. Serial No. 576,695. 2 Claims. (Cl. 97-192.)

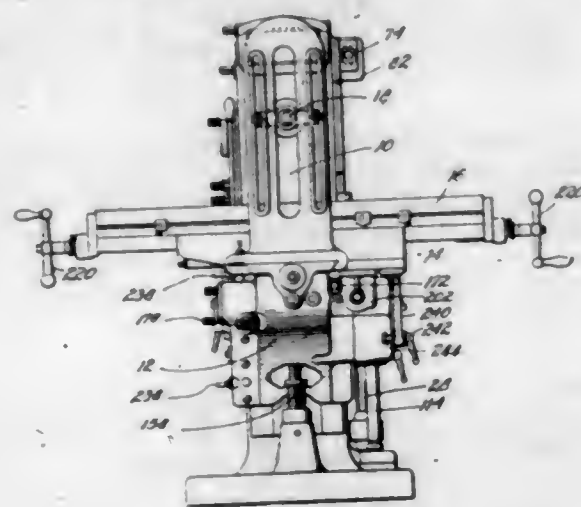
1. A self-guiding and riding agricultural device comprising a substantially triangular cultivating implement supporting framework, a caster wheel swivelably supported thereby and at the apex of said framework, an

operator's seat supported by the rear portion of said triangular framework, a cultivating implement supported by the framework, a depending runner or shoe adjustably supported approximately at each of the other corners of the triangular framework for supporting the



framework and limiting the depth of cultivation, and a substantially continuous corn-turning shield secured to each runner and positioned at, and extending forwardly of and upwardly from, said other corners towards and meeting at the apex of said triangular framework and supported thereby at said apex.

1,511,243. MILLING MACHINE. GUSTAF DAVID SUNDBRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 7, 1921. Serial No. 450,304. 16 Claims. (Cl. 90-21.)

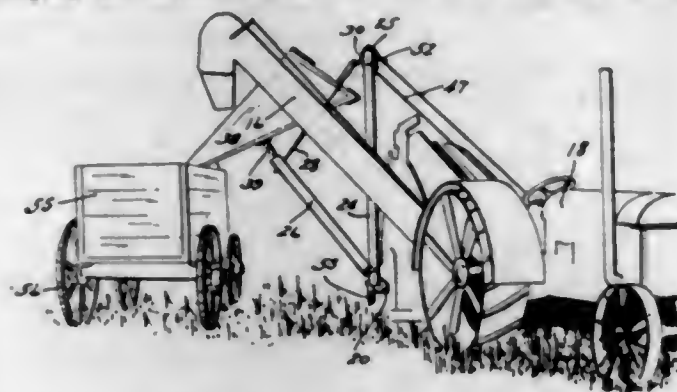


1. A machine tool having, in combination, a column, a movable element carried by said column and mounted for movement along any one of three mutually perpendicular lines of movement, means for preventing said element from moving in two of said lines while leaving it free to move in the remaining line, a control lever near the top of the column in a position to be readily grasped by the raised right hand of the workman, or by his raised left hand in case he leans over the work, power transmission for moving said table, connections between said control lever and power transmission operative to effect movement of said table in either of two directions at either of two speeds along the line of motion selected, means to counterbalance the weight of the lever and associated parts to hold it in neutral equilibrium when not operated by the workman, and means for retaining it in any position to which it is moved by the workman.

1,511,244. CORN-CARRYING ATTACHMENT FOR CORN PICKING AND HUSKING MACHINES. BRANFORD J. SYNSTELIEN, Fonda, Iowa, assignor of one-half to William J. Posakony, Pocahontas, Iowa. Filed Feb. 20, 1924. Serial No. 694,012. 13 Claims. (Cl. 214-38.)

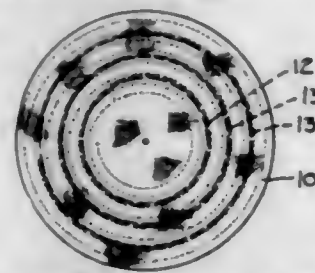
1. An attachment for a corn-picking and husking machine having an elevator and including a mast, a swing-

ing arm, a cable holding the arm with freedom for swinging movement toward the mast, a dumping carrier



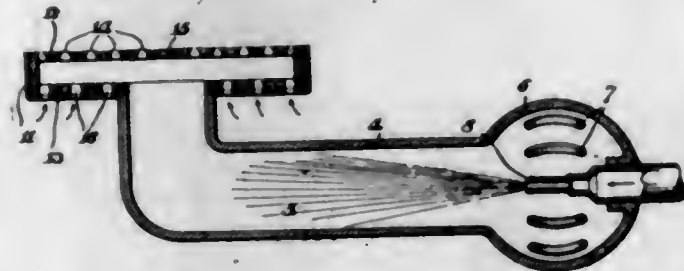
on the swinging arm adapted to receive corn from the elevator of said machine, and means for moving the carrier into a dumping position.

1,511,245. SELF-FEEDING BUFFING WHEEL. JOSEPH J. TRISKA, Chicago, Ill. Filed Apr. 21, 1921. Serial No. 463,281. 2 Claims. (Cl. 51-193.)



1. A buffing wheel comprising a plurality of plain discs and a plurality of compound-impregnated members, said compound-impregnated members comprising a central disc member and a plurality of annular members of different diameters, and being arranged in pairs and having said plain discs separating each pair.

1,511,246. GAS BURNER. GERRIT VAN DAAM, Buffalo, N. Y. Filed June 16, 1921. Serial No. 477,911. 3 Claims. (Cl. 158-99.)

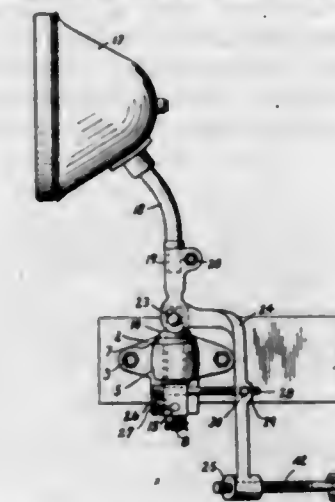


3. In a gas burner, the combination with a tube, means for delivering gas into the tube, means for mixing air with the gas in the tube, so that the mixture shall burn therein, and a burner element connected with the discharge end of the tube, comprising superimposed discs of refractory material spaced apart and forming an outlet at their peripheries for the flaming products, and a plurality of posts of refractory material interposed between said discs, and near the peripheries thereof.

1,511,247. DIRIGIBLE HEADLIGHT. ROY B. VAN SICKLEN, Detroit, Mich. Filed Aug. 24, 1922. Serial No. 383,950. 4 Claims. (Cl. 240-61.)

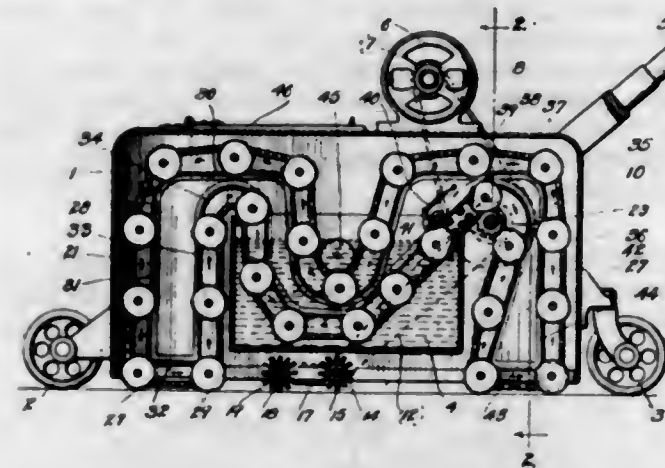
1. In a dirigible headlight for automobiles having a steering arm for turning the forward wheels thereof, a bracket adapted to be secured to the chassis of the automobile, a bushing secured to the bracket, a bolt rotatably mounted in the bushing, a support pivotally mounted on the upper end of the bolt to swing in a vertical plane, a headlight secured to the upper end of the support, the said support having a depending end, a screw shaft secured to the lower end of and

extending at right angle to the axis of the bolt, a block threaded on the said screw shaft, a second screw shaft extending through the block and threaded into the depending end of the support, rotation of the said second screw shaft turning the support and headlight in a ver-



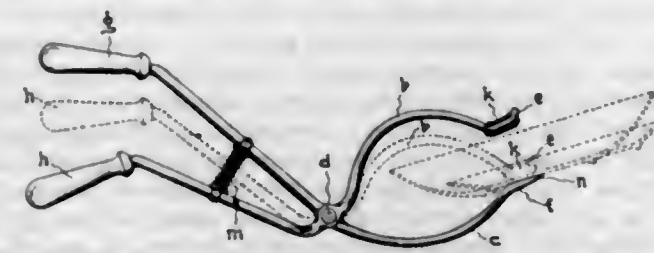
tical plane, an eye bolt threaded through the depending end of the said support, and a rod pivotally connected to the eye bolt and means connecting the rod with the automobile steering arm and providing a means for turning the headlight in a horizontal plane.

1,511,248. MOPPING DEVICE. LAWRENCE B. WALTON, Kansas City, Mo. Filed Oct. 30, 1922. Serial No. 397,799. 1 Claim. (Cl. 15-51.)



A floor scrubbing machine comprising a carriage including a hollow casing, open at the bottom and closed at the top, a water receptacle within the casing, the ends of the water receptacle being spaced from the ends of the casing to provide vertical end spaces, a traveling endless mop carrying belt having upper and lower flights, means for guiding the upper and lower flights through the water receptacle, the endless belt projecting through the vertical spaces and below the casing so that the belt will contact with the floor during its travel at each end of the casing, means for driving the belt and a wringer within the casing through which the belt passes.

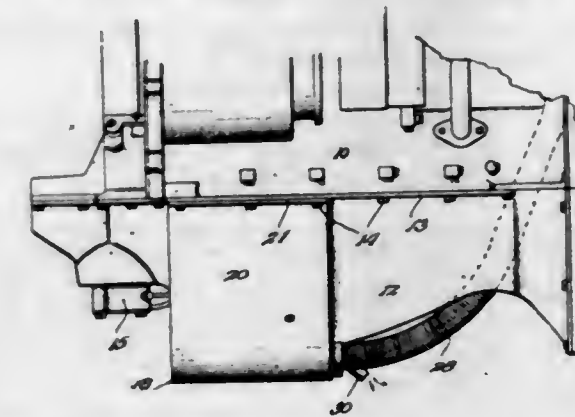
1,511,249. DISHWASHING APPLIANCE. GEORGE WOOD, Westmount, Quebec, Canada. Filed Apr. 5, 1924. Serial No. 704,366. 4 Claims. (Cl. 294-27.)



1. A dish-washing tong, the members of which, at the dish-grasping end, present an asymmetrical ellipse,

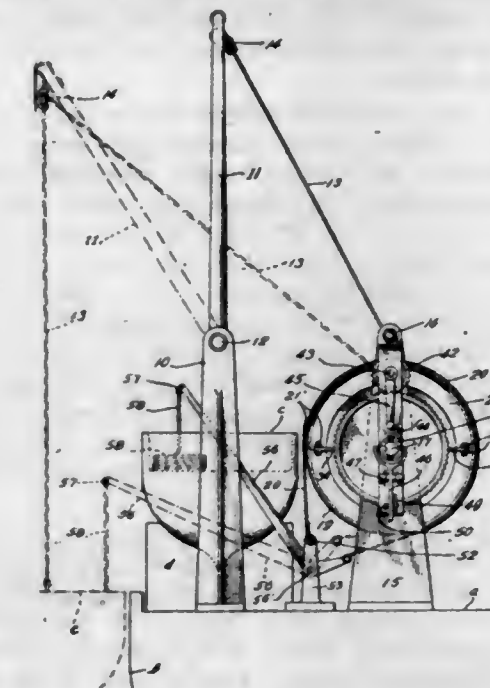
flattened on its lower side, and terminate, the lower in a narrow, flat surface, and the upper in a narrow surface, flattened and curved away from the lower member.

1,511,250. EXTERIOR CRANK-CASE OIL HEATER. OWEN E. WRIGHT, Huron, S. Dak. Filed July 18, 1923. Serial No. 652,392. 4 Claims. (Cl. 184-104.)



3. In a crank case oil heater for internal combustion engines, a heating pan having side and bottom walls and front and back walls, the front and back walls being cut away to fit an engine oil pan embraced by said side walls and the side walls being formed with overhanging flanges apertured to receive bolts securing the oil pan to the engine.

1,511,251. LIFEBOAT-LAUNCHING GEAR. GEORGE WRIGHT, Oakland, Calif. Filed Nov. 13, 1922. Serial No. 600,597. 5 Claims. (Cl. 9-22.)

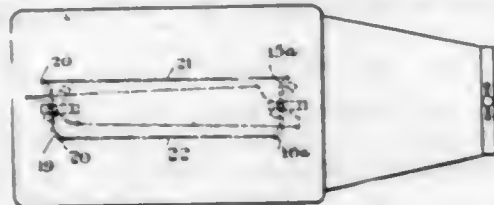


1. The combination with the davits of a vessel, of a falls normally acting to suspend a life boat from the davits and in a position of readiness for launching inboard of the vessel, a winch drum for said falls, an actuating means for said winch drum, means for disconnecting said actuating means from said winch drum for the lowering of the life boat to water-borne position by gravity, and automatic means for braking said winch drum prior to the final lowering movement of the life boat.

1,511,252. DIRECTION SIGNAL FOR AUTOMOBILES. RICHARD G. ZAHALAN, Montreal, Quebec, Canada. Filed Nov. 2, 1923. Serial No. 672,335. 3 Claims. (Cl. 116-47.)

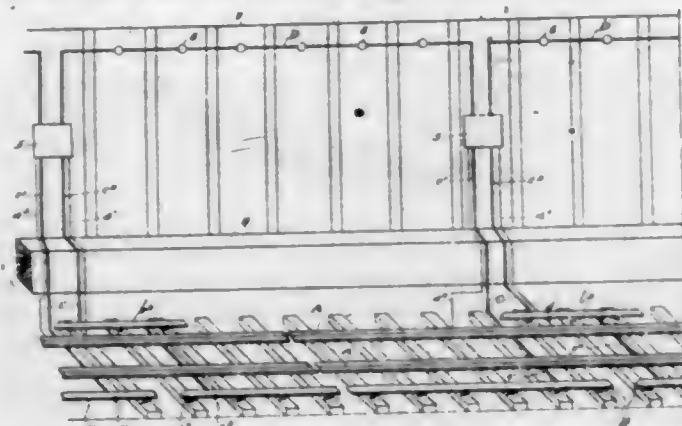
1. A direction signal for vehicles comprising a pair of rotatably mounted direction indicators, double-ended

levers rigidly attached to said indicators, means connecting the ends of the front lever with the ends of



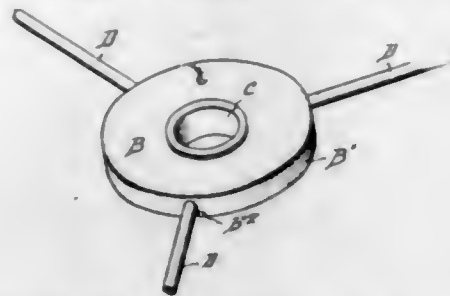
the back lever, and an operating handle securely attached to one of said indicators.

1,511,253. THIRD-RAIL CONTROL. WILLIAM ALT, Brooklyn, N. Y. Filed Oct. 11, 1922. Serial No. 593,778. 6 Claims. (Cl. 191-8.)



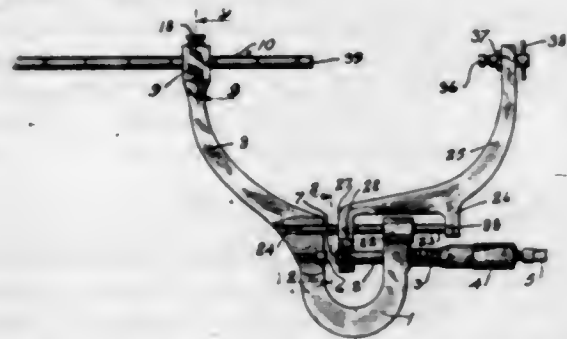
1. In combination, a series of third rail sections, means normally electrically connecting the adjacent ends of said sections, a plurality of normally dead conductors coextensive with each third rail section, and switch mechanism in connection with said means for transferring the current from a third rail section to the adjacent of said conductors whereby to electrically isolate a third rail section.

1,511,254. CENTER FOR SHADE FRAMES. LAURITZ W. ANDERSEN, Waterbury, Conn. Filed Sept. 6, 1923. Serial No. 661,239. 6 Claims. (Cl. 240-128.)



1. A device of the kind described comprising a pair of flanged disks constituting telescoping shells, a plurality of wires having their inner ends headed and arranged between said shells and means for connecting the shells together upon the headed ends of the wires.

1,511,255. MICROMETER. JOSEPH E. BARKER, Denver, Colo. Filed Aug. 7, 1922. Serial No. 580,156. 7 Claims. (Cl. 33-165.)



1. A micrometer comprising in combination a body member having a U-shaped portion, a stop on one side

of said U, a micrometer stem secured to the other side of the U and adapted to cooperate with said stop, one arm of the said U-shaped body member being extended and outwardly curved, an opening in the end of said curved member, a rod slidable in said opening, a second arm slidably connected with said U-shaped body member, means connecting said second arm to said micrometer stem whereby movement of the latter will move the former, and a stop carried by the said slidable arm, and adapted to cooperate with the end of the rod for measuring purposes.

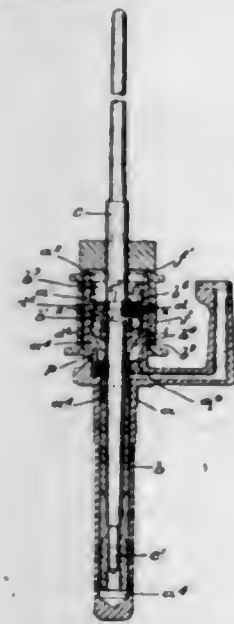
1,511,256. DELIVERY APPARATUS FOR CONFECTIONERY MACHINES. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed May 12, 1923. Serial No. 638,652. 34 Claims. (Cl. 107-7.)



1. The combination with a confectionery coating machine, of means for successively and automatically presenting trays into confection receiving relation therewith, and means for automatically removing the trays after they have been loaded with the confections.

10. The combination with a confectionery coating machine and an apparatus wherein trays loaded with coated confections are conveyed until the coatings are hardened, of mechanism operable to receive a tray from said apparatus, move it into confection receiving relation with the coating machine and subsequently transfer the tray to said apparatus.

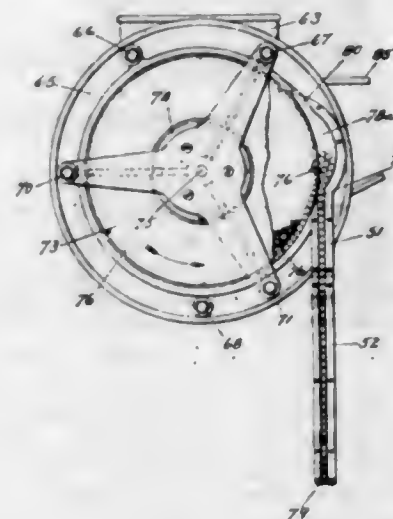
1,511,257. MOUNT FOR SPINDLES OF SPINNING OR TWISTING MACHINES. HERBERT G. BEUDE, Pawtucket, R. I. Filed Nov. 6, 1914. Serial No. 870,606. 13 Claims. (Cl. 64-80.)



1. A mount for spindles comprising a bolster-case having a centrally recessed upper portion, a recessed non-revoluble bolster loosely supported in said bolster-case, the recessed portion of the bolster mounted in the said recess of the bolster-case, a revoluble spindle-blade extending longitudinally in the bolster, a ball-bearing supported in the recessed portion of the bolster, the inner race of the ball-bearing fixed to the blade, and a whirl also secured to the blade, said whirl having an inverted recess into which the upper portion of the bolster-case extends.

14. A spindle having a ball bearing and external means for oiling and capable of retaining oil at a level above the said ball bearing, the lower end of the spindle being capable of lateral cushioned movement.

1,511,258. ARTICLE-HANDLING MECHANISM. CHARLES C. BLAKE, Brookline, Mass. Original application filed May 18, 1918, Serial No. 235,243. Divided and this application filed Oct. 27, 1921. Serial No. 510,768. 10 Claims. (Cl. 10-169.)



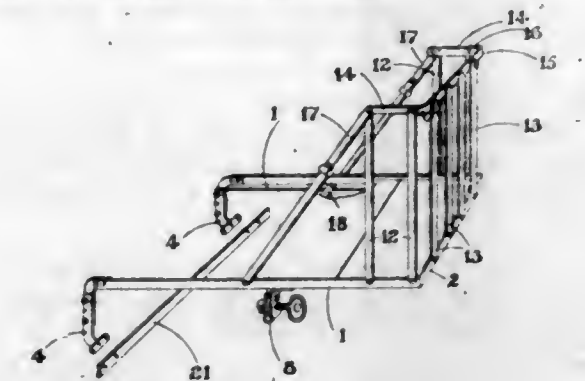
5. An article handling mechanism having, in combination, a rotary pot for receiving articles in a mass comprising two dish-shaped sections each having a flange and secured together in spaced relation, a fixed ring surrounding the slot thus produced, having a pocket formed in its inner surface opposite said slot, and a chute leading from said pocket outside the ring, said pocket and chute being provided with a transparent covering to permit inspection.

1,511,259. MAIL-CARRIER'S-BAG HOLDER. FRANK HENRY BRADEN, Rapid City, S. Dak. Filed Aug. 28, 1923. Serial No. 659,840. 1 Claim. (Cl. 224-5.)



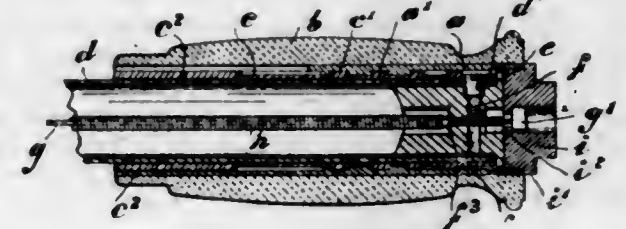
The combination with a mail carrier's bag having attaching means on the upper edge and attaching means on one wall at a distance below the first attaching means, of pads for engagement across the shoulders of a carrier, straps connecting the ends of one pad to the first attaching means, straps connecting the ends of the other pad with the other attaching means, a strap connected to the ends of the second pad for engagement beneath the arm of the wearer, and straps connecting the ends of the second pad with corresponding ends of the first pad.

1,511,260. PORTABLE WINDOW SCAFFOLD. EDMOND BROUSSEAU, Hurdman's Bridge, Ontario, Canada. Filed Mar. 25, 1922, Serial No. 546,895. Renewed Mar. 10, 1924. 3 Claims. (Cl. 304-24.)



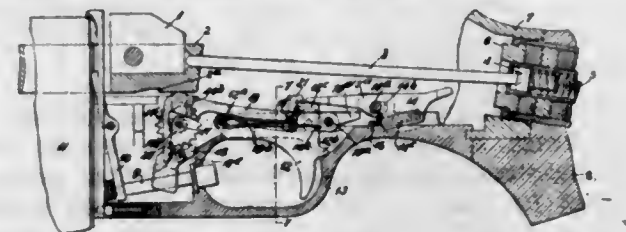
1. In a scaffold of the class described in combination a pair of side bars, an end bar pivoted thereto so as to enable the bars to fold together, clamping jaws connected to the other end of the bars, a screw clamp bracket adjustably fastened to said side bar and a rigid cross bar pivotally mounted between the two side bars.

1,511,261. CONTROL DEVICE FOR CARBURETORS AND OTHER APPARATUS USED ON VEHICLES. CLEMENT BROWN, Birmingham, England. Filed Oct. 11, 1922. Serial No. 593,926. 1 Claim. (Cl. 74-82.)



A control device for carburetors and other apparatus used on vehicles, comprising in combination, two coaxial sleeves having helical projections upon their adjacent surfaces, adapted to intermesh with one another, a twist handle secured coaxially to the outer sleeve so as to embrace the same, a flanged plug adapted to be inserted in one end of said inner sleeve to form an abutment for a Bowden sheath, means whereby said flanged plug may be secured to said inner sleeve, and a nipple connection adapted to receive a Bowden wire and to be secured in one end of said outer sleeve, said plug and said nipple connection having lateral slots to facilitate the assemblage of the Bowden connection.

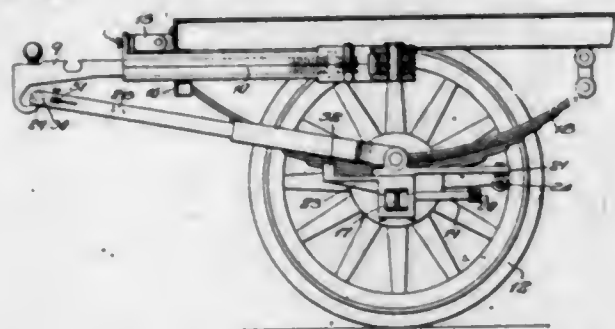
1,511,262. AUTOMATIC FIREARM. JOHN M. BROWNING, Ogden, Utah. Filed Sept. 21, 1923. Serial No. 664,066. 15 Claims. (Cl. 42-3.)



1. In an automatic fire-arm the combination of recoiling firing mechanism, a sear, a trigger, and firing retarding mechanism comprising trigger locking means rendered operative on the forward firing movement of the firing mechanism to lock the trigger from sear actuating movement, means to move said locking means to inoperative position, means which render said moving means operative on the motion of the firing mechanism following discharge and means for retarding the movement of said locking means from operative to inoperative position, whereby the minimum time elapsing between shots may be increased.

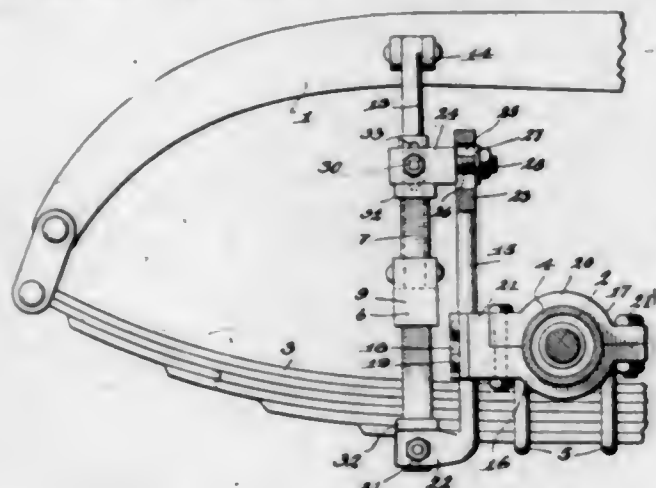
14. In an automatic fire-arm, a combination of re-coiling firing mechanism, a sear having limited longitudinal movement, a trigger, and firing retarding mechanism comprising a locking lever, a lever spring, a lever locking latch and escapement mechanism engaged by said lever, as and for the purpose described.

1,511,263. TRAILER TRUCK. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed Apr. 7, 1920, Serial No. 371,843. Renewed Mar. 10, 1924. 3 Claims. (Cl. 280—33.5.)



3. A trailer truck having, in combination, a draw bar comprising two sections, one of which is pivoted to the trailer and the other of which is arranged to slide longitudinally with relation to the first mentioned section, a steering lever comprising two relatively slidable sections one of which is pivoted to the trailer and having connections for turning the wheels, and means for detachably connecting the other section of said steering lever to the second mentioned section of said draw bar, said means including a ball mounted on said draw bar, adapted to engage a socket in said steering lever, said ball and socket being constructed to be readily associated and disassociated.

1,511,264. FRICTION SHOCK ABSORBER. THOMAS CARTER, Wests Mill, N. C. Filed Dec. 22, 1922. Serial No. 608,457. 22 Claims. (Cl. 188—129.)

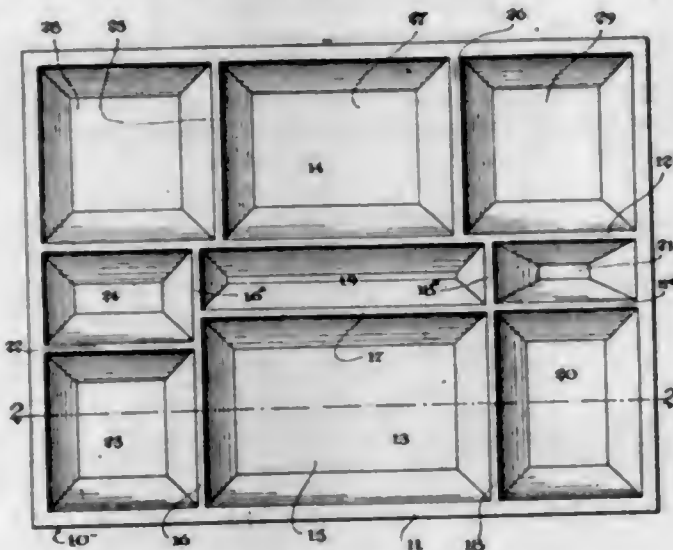


1. In a shock absorber for vehicles having frame and axle members, a support carried by one of said members, a substantially straight flexible friction strap attached at its ends to said support, a second support carried by the other member, and a friction shoe carried by said second support and slidably engaging the strap between the points of attachment of the latter to its support.

1,511,265. FOOD HOLDING AND SERVING DEVICE. FRANK HIRAM CHILSON, Hampton Roads, Va. Filed Nov. 7, 1921. Serial No. 513,531. 2 Claims. (Cl. 65—53.)

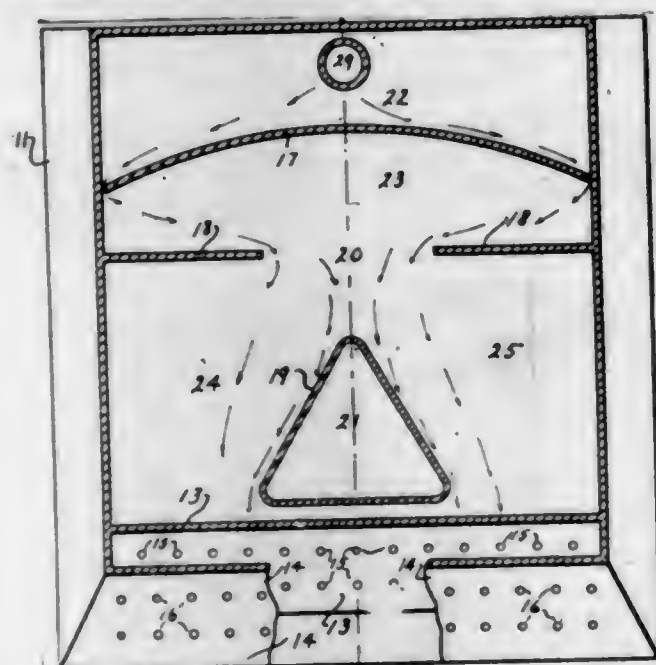
1. A tray for cafeteria service constructed of a single sheet of aluminum pressed to form food receiving compartments, said tray having a continuous flat border flange and a continuous flat top longitudinal ridge ex-

tending from the border flange from opposite sides of the tray, and beyond the median line of the tray, dividing the tray into front and rear zones of unequal area, the front zone having longitudinal and transverse



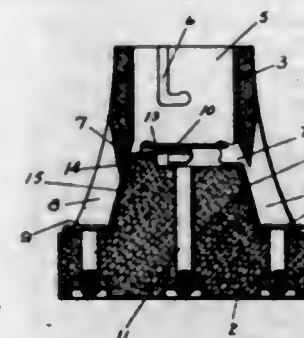
flat top ridges which with the border flange define its food compartments and an intermediate service plate, and the rear zone having transverse flat top ridges which with the longitudinal and border flanges define its food compartments.

1,511,266. FUEL ECONOMIZER. CHARLES HORACE CORNWELL, Hamilton, Ontario, Canada, assignor to The Burnall Corporation of Canada, Hamilton, Ontario, Canada. Filed June 6, 1923. Serial No. 643,789. 1 Claim. (Cl. 110—75.)



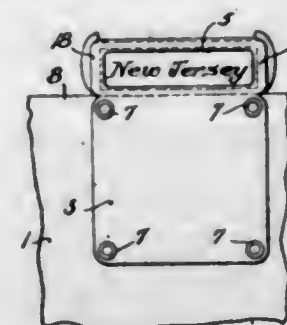
A fuel economizer of the class described comprising a flat, substantially rectangular, enclosed chamber provided with an inlet port centrally in the back wall adjacent to one end of the chamber, the opposite end wall provided with perforations, the chamber sub-divided into a plurality of communicating sections by transversely disposed baffles, said baffles consisting of an upper arc shaped baffle situated immediately before the inlet port and extending into proximity of the sides of the chamber, two laterally opposed baffles situated below the aforesaid arc-shaped baffle and extending inwardly from the sides of the chamber into proximity to the centre, and a lowermost baffle of triangular shape situated centrally of the chamber, the portion of the front and back walls of the chamber enclosed within the triangular baffle being removed so that a triangular opening is formed through the chamber.

1,511,267. LAMP SOCKET. RICHARD H. CRONINGER, Dayton, Ohio. Filed Mar. 22, 1920. Serial No. 367,588. 4 Claims. (Cl. 173—328.)



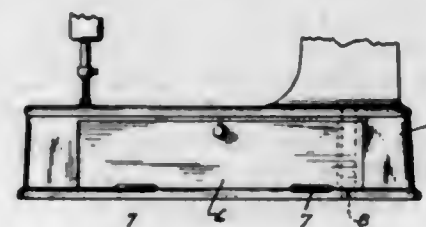
2. In a device of the character described, a socket provided with openings in the sides thereof, a shell mounted in said socket, a bar attached to said shell, extending out of one of said openings and providing a terminal for said socket, a contact member mounted in said socket and connected to said bar, and a second contact member mounted in said socket extending out of the other of said openings and providing a second terminal for said socket.

1,511,268. INDEX TAB. GEORGE H. DAWSON, Boston, Mass., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Feb. 21, 1923. Serial No. 620,393. 15 Claims. (Cl. 40—16.)



1. An index device having a metallic tab holder projecting therefrom and an associated non-metallic guard projecting beyond the holder.

1,511,269. SMOOTHING IRON. MATTHEW F. DECKER, Minneapolis, Minn. Filed Apr. 20, 1923. Serial No. 633,545. 6 Claims. (Cl. 219—25.)

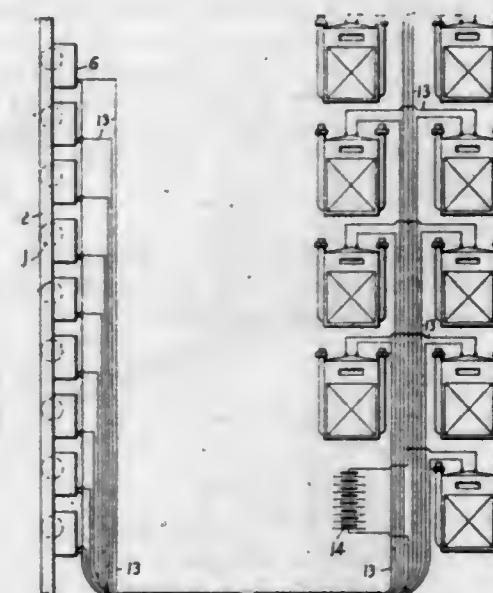


1. In a device of the class described, a main body member having a curved smooth top surface for smoothing and creasing purposes and an electric heating element, within the member, to heat said surface.

1,511,270. METER-READING DEVICE. ISAAC S. DEMENT, Dayton, Ohio, assignor to Printing Index Company, Dayton, Ohio. Filed Sept. 15, 1921. Serial No. 500,911. 42 Claims. (Cl. 234—35.)

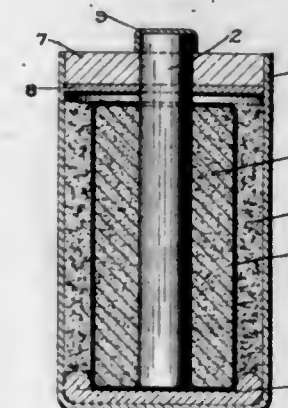
1. In a mechanism of the character described, the combination with a meter having a registering device, of a recording device mounted at a point remote from said meter, electrical means for actuating said recording device comprising a circuit, means controlled by the

meter register for closing said circuit and causing said recording device to be operated when the meter has registered an amount equal to the unit of registration



of said recording device, and means for automatically and successively taking records from a plurality of such recording devices.

1,511,271. METHOD OF INCREASING THE LIFE OF DRY CELLS. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Original application filed Dec. 22, 1919, Serial No. 346,694. Divided and this application filed May 3, 1920. Serial No. 378,458. 16 Claims. (Cl. 204—38.)



14. The method of increasing the life of a dry cell, which consists in locating the activating electrolyte within the zinc cup at some distance therefrom and causing it to filter slowly through a relatively inert paste into contact with the cup.

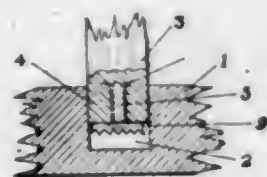
1,511,272. AMUSEMENT DEVICE. JAMES COOK DOWNIE, Pebble Beach, Calif. Filed Feb. 19, 1923. Serial No. 620,046. 2 Claims. (Cl. 265—20.)



1. In a device of the character described, a platform, a housing, a runway extending between said housing

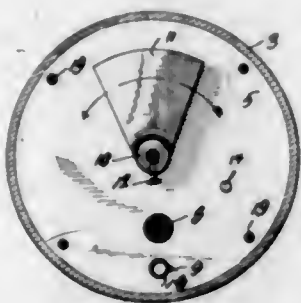
and said platform, a shaft positioned beneath said platform, a series of balls radially disposed with respect to said shaft, a drum mounted on said shaft, a cable secured about said drum, said cable extending beneath said runway to a point beneath said housing, one portion of said cable being trained so as to lie parallel with the upper surface of the floor of said housing, a ball secured to said cable in such a manner as to move over the floor of said housing when said cable is moved, and means for maintaining said cable taut.

1,511,273. FURNITURE JOINT. FOSTER W. DRAPER, Spokane, Wash. Filed Mar. 19, 1923. Serial No. 625,941. 2 Claims. (Cl. 20-92.)



1. An invisible fastening means for a furniture joint comprising a tubular key having a split at one end forming fastening tongues for one piece of the joint, a perforated cap affixed on said key, the other end of the key being split and spread to form retaining tongues for the cap, and angularly disposed retaining teeth on the cap for engagement with the other member of the joint.

1,511,274. SUPERVAPORIZER. ARTHUR H. DRUCKEY, Chicago, Ill. Filed May 29, 1923. Serial No. 642,313. 4 Claims. (Cl. 123-119.)

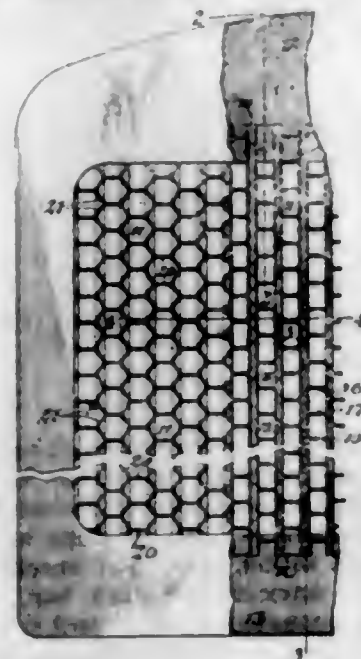


1. A device of the class described including a casing having a pair of compartments formed therein, said compartments communicating with each other, a thermoresponsive mechanism for closing the communication between the compartments, means for communicating one compartment with an exhaust manifold of an internal combustion engine, and the means for communicating the other compartment with an intake manifold of an internal combustion engine, a breather valve associated with the latter mentioned compartment, and a spring associated with said breather valve and tensioned so as to hold the same closed when the communication between the two compartments is open.

1,511,275. RADIATOR. JOHN M. FEDDERS, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed May 1, 1922. Serial No. 557,619. 4 Claims. (Cl. 237-128.)

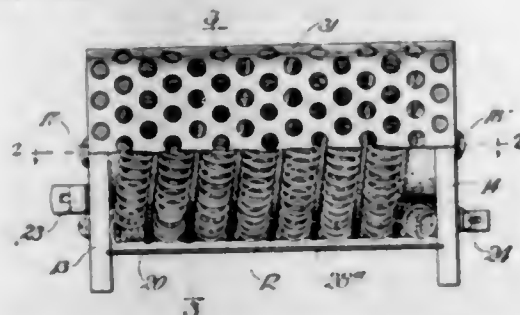
1. A tube for radiators having a body provided with upper and lower horizontal walls and upright walls connecting the horizontal walls, and hexagon collars arranged at opposite ends of the body and each having

upper and lower horizontal facets which are in line with the upper and lower walls of the body and pairs



of inclined lateral facets forming a V which connects the horizontal facets and projecting laterally beyond the upright walls of the body.

1,511,276. RESISTANCE COIL. ALBIN FROHNE, Chicago, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1922. Serial No. 530,510. 3 Claims. (Cl. 219-71.)

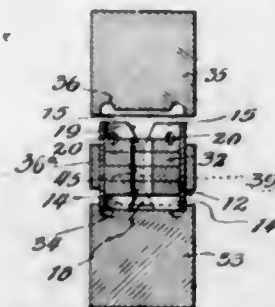


1. A resistance coil comprising in combination a pair of end members of fibrous electrically insulating material, a tubular hub extending between the central portions of the inner faces of said end members, means for drawing the end members rigidly against the hub, a layer of insulating material on the hub, a spiral resistance element of electrical resistance wire coiled around the hub, end terminals on the end members in electrical connection with the ends of said wire, and a series of rings of electrically insulating material laid in continuous fashion between the convolutions aforesaid and serving to electrically separate them from each other, substantially as described.

1,511,277. METHOD OF MANUFACTURING COMMUTATORS. ALBIN FROHNE, Chicago, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1922. Serial No. 550,552. 3 Claims. (Cl. 20-155.5.)

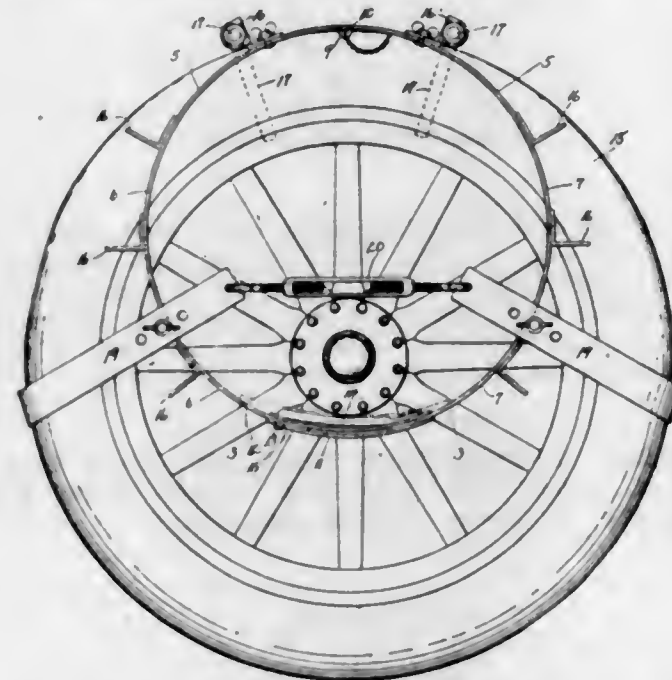
1. The method of manufacturing electric commutators which consists in first preparing a metal blank having a length substantially equal to the circumferential dimension of the commutator to be made therefrom and an overall width greater than the axial length of the completed article, and having oppositely disposed U-shaped notches in the two sides of the blank at positions corresponding to the locations of the gaps between the segments of the commutator to be made therefrom, serving to establish oppositely disposed lugs in the two sides of the blank corresponding in posi-

tion to the segments of the completed commutator, there being a perforation in each lug at one side of the blank, and which consists in thereafter subjecting the blank to die forming operations to bring it into cylindrical form with its ends separated a distance to establish one gap between the end segments, thereafter inserting a series of circular laminations of fiber or the like into the central portion of the cylinder so produced to establish a body block therein having an axial dimension substantially equal to the axial dimension of the completed



article, thereafter flanging the aforesaid lugs over against and into the material of the end portions of said body block so produced to cause them to bite into said material in a firm manner, and thereafter sawing straight across the blank axially and from a notch at one end to the corresponding notch at the other end, to thereby completely sever the blank into electrically distinct segments without substantially cutting the body block and without the need of cutting the blank at points opposite to the ends of the body block, substantially as described.

1,511,278. WHEEL-LIFTING RIM. HARRY B. HUBBARD, West Haven, Conn. Filed Apr. 6, 1923. Serial No. 630,203. 2 Claims. (Cl. 180-7.)

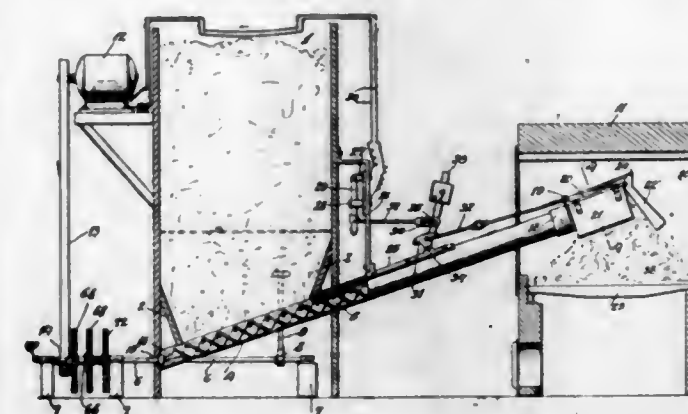


1. A wheel-lifting rim, comprising two segmental members hinged together at one end and adjustably connected at the opposite end, the said auxiliary rim provided with outwardly-projecting rims, and provided with adjustable clamps adapted to hook over the tire of a wheel, and also provided with adjustable clamping-braces also adapted to engage with the wheel tire.

1,511,279. STOKER. ANDREW O. JACKSON, Oregon City, Ore. Filed Apr. 22, 1921. Serial No. 463,466. 2 Claims. (Cl. 110-101.)

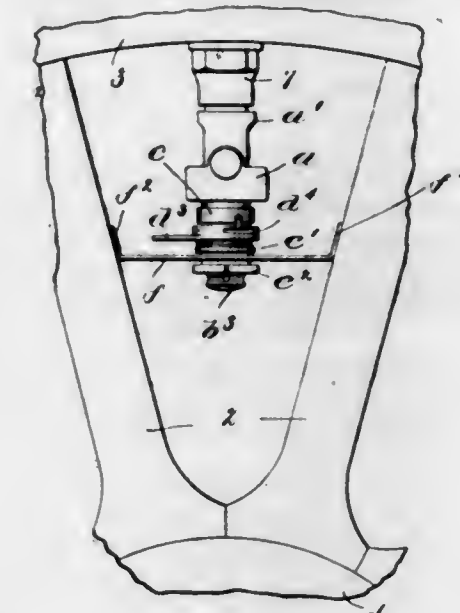
1. In a stoker, the combination of a tubular body entering the fire box of a furnace, a conveyer in said body operable to feed fuel to and through the end of said body, a motor for driving said conveyer, a switch

controlling said motor, a governor plate hingedly mounted on the end of the body and bearing by gravity upon the fuel fed therethrough, a weighted rocking lever mounted at a point between the governor plate and the



switch, a lost-motion connection between the lever and the switch and a lost-motion connection between the governor plate and the lever whereby the operation of the motor will be determined by the height of the fuel in the fire box.

1,511,280. TELLTALE FOR PNEUMATIC TIRES. JOHN E. KENNEDY, Glens Falls, N. Y. Filed Dec. 17, 1919. Serial No. 345,678. 2 Claims. (Cl. 200-58.)

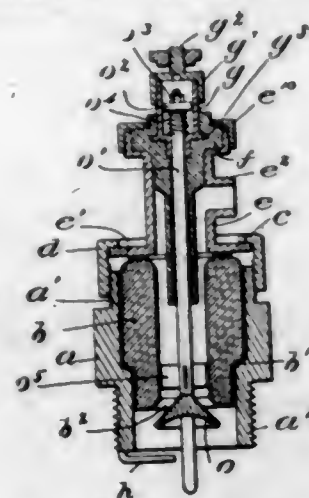


1. In an automatic tell-tale for pneumatic vehicle tires, the combination with the valve stem of the tire, of a valved casing attachable thereto, a yielding spring-pressed member mounted therein to be positioned according to the air pressure in the tire, and a detent connected therewith to be moved thereby, a trip member, means for normally exerting a torque upon said trip member to cause rotation, the trip member and the detent being normally interlocked to prevent the rotation of the trip at normal air pressure and to be disengaged when the air pressure falls to a predetermined point, and a signal controlling device mounted on the vehicle adjacent to the path of revolution of the tire stem in position to be engaged and operated by said trip when the latter is released from its engagement with the said detent, substantially as described.

1,511,281. SCAVENGING DEVICE FOR MOTORS. JOHN E. KENNEDY, Glens Falls, N. Y. Filed Feb. 12, 1920. Serial No. 358,275. 9 Claims. (Cl. 123-76.)

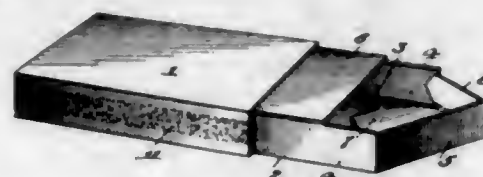
2. In a motor cylinder scavenging device the combination of a compressed air chamber, a hollow spark plug

secured in operative position in the cylinder and affording an inlet passage for the flow of compressed air into



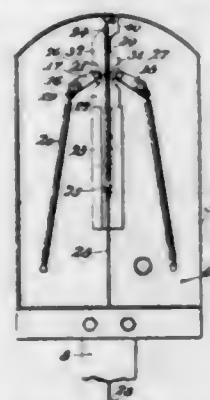
the cylinder, and means for automatically controlling the admission of compressed air through said spark plug into the cylinder, substantially as described.

1,511,282. BOX. STANLEY KESLER, Lexington, N. C. Filed Dec. 10, 1923. Serial No. 679,857. 2 Claims. (Cl. 225-11.)



1. A box comprising an outer casing and a tray therein, said tray having a bottom, top, sides, and ends, one of said ends having a flap normally positioned at a right angle to the length of the end to which it is attached and also a wing normally positioned at a right angle to the side of the end to which it is attached whereby the top of the tray when the end is in open position forms a holding receptacle.

1,511,283. AUTOMOBILE SIGNAL. PETER I. KISSICH, Cedar Rapids, Iowa. Filed Jan. 22, 1923. Serial No. 614,144. 9 Claims. (Cl. 110-51.)



1. In an automobile signal, a figure carrying a pair of semaphore arms, a support therefor, means adapted, by movement in one direction, to throw said arms successively to varying signaling positions, and manually operable means connecting with said arm-throwing means, whereby the various signals are produced by intermittently progressive movements.

1,511,284. CUTTER FOR CIGARETTE-ROD MACHINES. EWALD KOERNER, Dresden, Germany, assignor to United Cigarette Machine Co., Inc., Lynchburg, Va., a Corporation of Virginia. Filed Jan. 11, 1924. Serial No. 685,534. 7 Claims. (Cl. 131-37.)

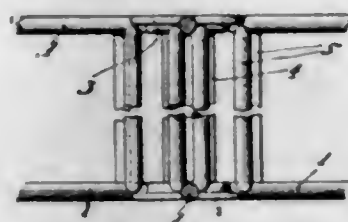
7. A cutter for cigarette rod machines comprising a pair of rotary disks, a knife provided with interchangeable

able cutting edges arranged between the disks, means for fixedly and eccentrically supporting the knife on the disks with the cutting edge of the knife arranged to produce a drawing cut into the cigarette rod to be cut, the said means comprising a pivot pin and a shear pin,



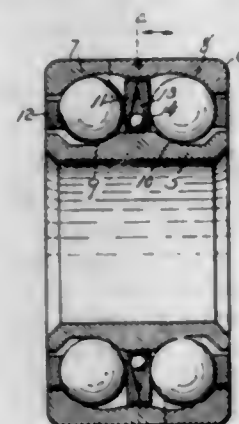
the latter adapted to be ruptured when the knife strikes an obstruction in the cigarette rod, and pin and slot means in the support and knife constructed to permit inward or retreating movement of the knife between the disks and to limit the outward movement of the knife when the shear pin is ruptured.

1,511,285. REEL. LAURENCE S. LACHMAN, New York, N. Y. Filed Aug. 24, 1923. Serial No. 659,045. 4 Claims. (Cl. 242-70.)



1. A reel comprising two side members each consisting of a wire ring, a center and radiating wire spokes or elements arranged in the plane of the ring and welded thereto and to the center and a winding drum consisting of metal rods welded at their ends to the inside of the radiating wires of the side elements respectively.

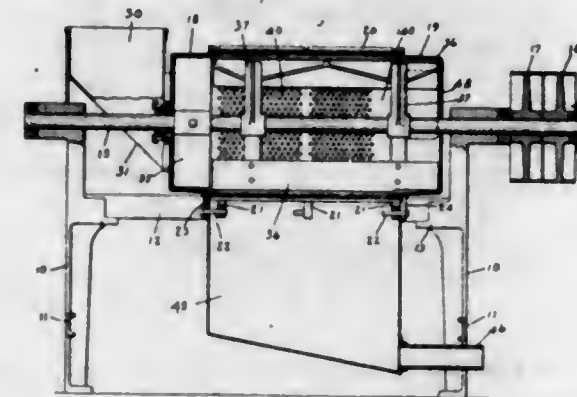
1,511,286. ANTI-FRICTION BEARING. LOUIS LANGHAAR, Aurora, Ind. Filed Sept. 9, 1922. Serial No. 587,073. 8 Claims. (Cl. 64-36.)



1. An anti-friction bearing comprising inner and outer race members with a plurality of raceways between them, anti-friction members arranged in a row in each of said raceways, and a composite member having continuous

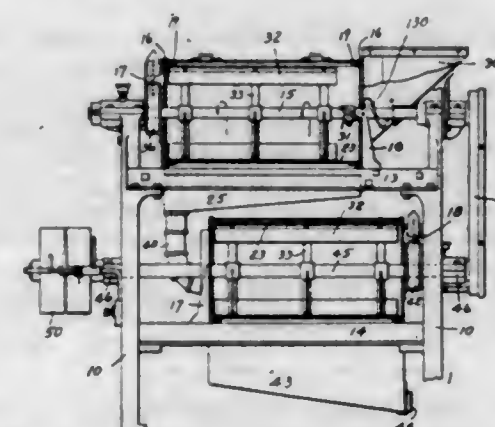
surfaces in contact with the anti-friction members and adapted for an independent rate of rotation about the bearing axis located between said rows of anti-friction members and centrifugally acting to force said rows apart and thereby to tend to keep the anti-friction members in proper contact with both the inner and outer raceways at different speeds of the bearing.

1,511,287. MACHINE FOR MAKING CHILI SAUCE. JAMES F. LINDLEY, Indianapolis, Ind., assignor to Indiana Canning Machinery Company, Indianapolis, Ind., a Corporation. Filed Mar. 11, 1922. Serial No. 542,088. 6 Claims. (Cl. 140-174.)



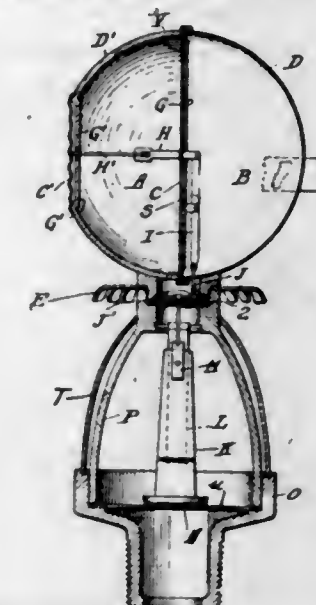
1. A chili sauce machine including a substantially horizontal cylinder with relatively large perforations therein sufficient to permit the meat in large lumps and the seeds to pass through the same, an inlet into one end of said cylinder located at one side of the center line of said cylinder, an impeller adapted to engage tomatoes in the inlet of the cylinder on its downward stroke and feed the same to the cylinder without materially disintegrating the same, revolvable paddles in said cylinder for rubbing the tomatoes against the cylinder and arranged to feed the skins rapidly through the cylinder in order to discharge the same at the end thereof, and a receptacle under the cylinder for receiving the chili sauce material.

1,511,288. TOMATO PULPER AND SEED EXTRACTOR. JAMES F. LINDLEY, Indianapolis, Ind., assignor to Indiana Canning Machinery Company, Indianapolis, Ind., a Corporation. Filed Apr. 28, 1923. Serial No. 635,216. 3 Claims. (Cl. 146-174.)



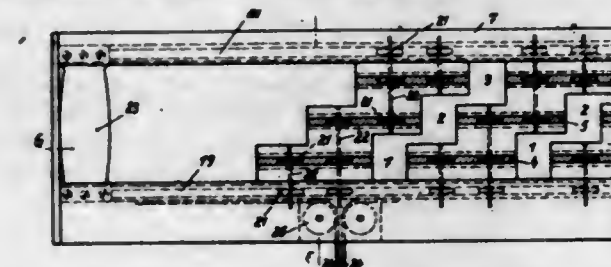
3. A machine for treating tomatoes and the like, which includes horizontal beating cylinders, one below the other, the lower cylinder having perforations smaller than those in the upper cylinder, a conduit for conveying material from the upper cylinder to the lower cylinder, and revolvable paddles in each of said cylinders inclined in relation to the axis of the cylinder and located adjacent the wall of the cylinder, the paddle in the upper cylinder being farther away from the wall of the cylinder than the paddles in the lower cylinder, substantially as set forth.

1,511,289. AUTOMATIC SPRINKLER HEAD. ERNEST A. LOWE, Plainfield, N. J., assignor, by mesne assignments, to Automatic Sprinkler Company of America, Dover, Del., a Corporation of Delaware. Filed Nov. 30, 1920. Serial No. 427,353. 17 Claims. (Cl. 169-37.)



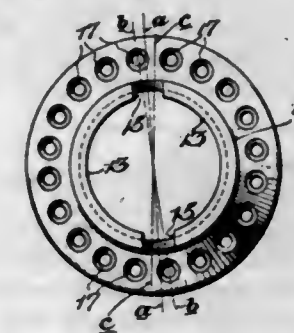
1. The combination of a sprinkler head cap or valve, means restraining said cap and a rate of rise of temperature thermostat adapted to release said restraining means.

1,511,290. THREE-STORIED LATHE FOR RIBBON LOOMS. GUSTAV LUDORF, Barmen, Germany, assignor to the Firm of: Gustav Ludorf & Sohn G. m. b. H., Barmen, Germany. Filed Feb. 10, 1922. Serial No. 535,630. 2 Claims. (Cl. 139-23.)



1. In a three-storied lathe for ribbon-loom, three superposed offset rows of shuttles, two reciprocating toothed rack arrangements located in the upper part of the lathe and in the lower part of the same respectively above and below said shuttle rows, and combined means for driving the upper shuttle row from the upper toothed rack arrangement, the lower shuttle row from the lower toothed rack arrangement, and the middle shuttle row for half of its stroke from one of said toothed rack arrangements and for the remaining half of its stroke from the other toothed rack arrangement, substantially as set forth.

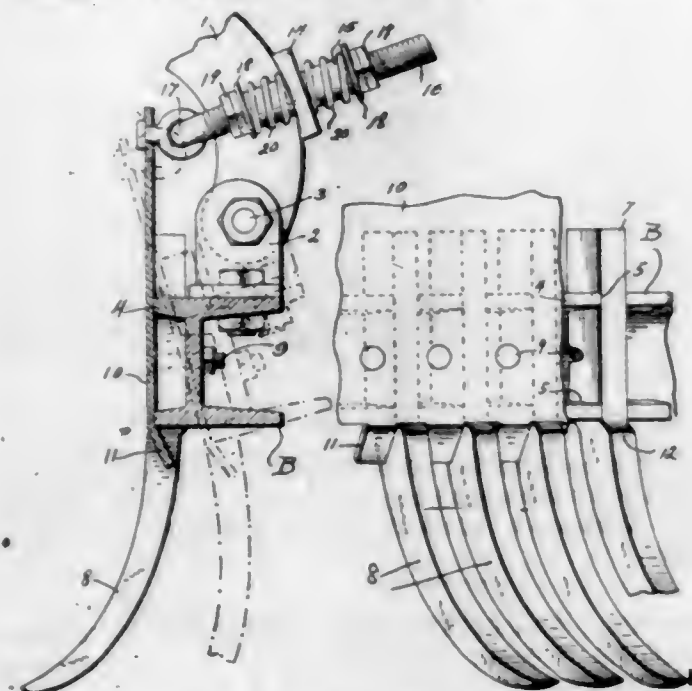
1,511,291. WHEEL HUB. WILLIAM L. McGRATH, Elmira, N. Y. Filed Jan. 3, 1919. Serial No. 269,451. 3 Claims. (Cl. 301-105.)



2. As an article of manufacture, a spoke ring comprising a sleeve having an inwardly extending flange forming a shoulder, said flange formed with a notch.

and an outwardly extending spoke flange formed with a circular series of equally spaced spoke holes located so that the radial line through the center of the width of the notch intersects the line connecting the centers of a pair of adjacent holes at a point substantially one quarter of the length thereof.

1,511,292. STONE RAKE. WILLIAM M. McLEOD, Monte Vista, Colo. Filed Aug. 21, 1923. Serial No. 658,579. 6 Claims. (Cl. 55-17.)



1. A rake of the class described comprising a beam, teeth operatively supported by said beam and extending therebelow, each of said teeth being rhomboidal in cross section.

6. In combination with a portable body, a beam carried thereby, teeth operatively supported by the beam and extending therebelow, each of said teeth being rhomboidal in cross section, the side faces of the teeth being in line with the line of draft of the body.

1,511,293. WHEEL FOR TRACTORS AND THE LIKE. GOTHILF MACKENZIE, JR., Geelong, Victoria, Australia. Filed Apr. 2, 1924. Serial No. 703,743. 3 Claims. (Cl. 305-19.)

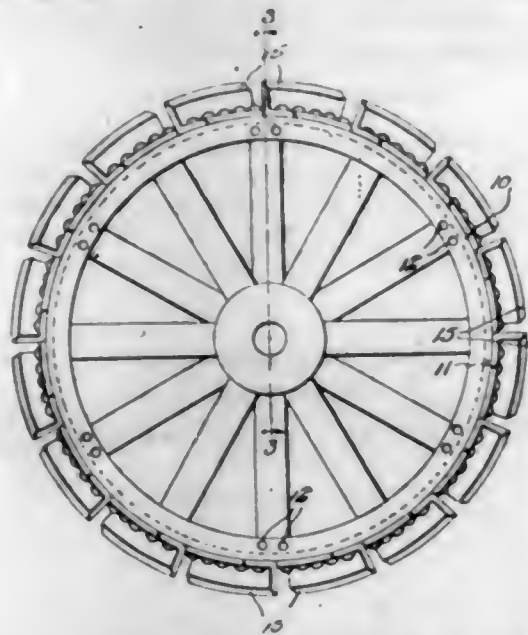


3. A tractor wheel having a rim of V-form in cross section, a grip projecting outwardly from one of the walls of the rim, said grip being at an inclination to the surface of said wall and also at an inclination to the radial line of the wheel, and a flange between one edge of the grip and the wall of the wheel rim.

1,511,294. TRACTOR WHEEL. JAMES W. MANNING, Saginaw, Mich. Filed Sept. 29, 1922. Serial No. 591,366. 1 Claim. (Cl. 301-52.)

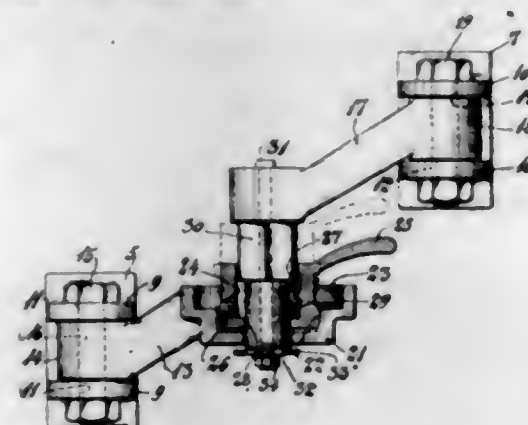
In a tractor wheel, a one piece rim therefor of considerable width and provided with equidistantly spaced elongated slots arranged diagonally with respect to sides of the rim, inwardly directed flanges forming part of said rim and projecting from the opposite edges of the periphery thereof, said flanges being provided with openings arranged in pairs and adapted to secure said rim

to the spokes of the wheel, a plurality of substantially cross sectional L-shaped cleats secured to the rim through the medium of five rivets passing through each inner portion of the cleat and the rim respectively and said



cleats being alternatively arranged with the openings, and each of said cleats being of greater length than the width of the rim and extending beyond the ends of the slots as and for the purpose specified.

1,511,295. DOORSTOP. ARTHUR E. MOSBERG, Batavia, Ill. Filed Nov. 21, 1921. Serial No. 516,679. 8 Claims. (Cl. 295-263.)

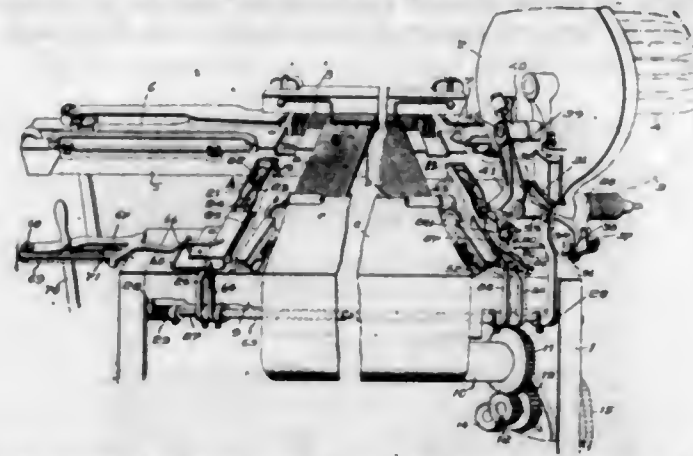


1. The combination with a support and a door hinged to said support, of an arm pivotally carried by the door and having a non-circular recess in the outer end thereof, a non-circular locking pin adapted to be received in the recess of said arm and being provided with a non-circular bore therein, and a second arm pivotally secured to said support and having a non-circular projection at the outer end thereof adapted to be disposed in the bore of said pin, said pin being movable on said projection and adapted to be moved out of engagement with the recess of said first named arm.

1,511,296. FILLING-REPLENISHING LOOM. THOMAS E. NORMAN, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 24, 1923. Serial No. 614,541. 11 Claims. (Cl. 139-228.)

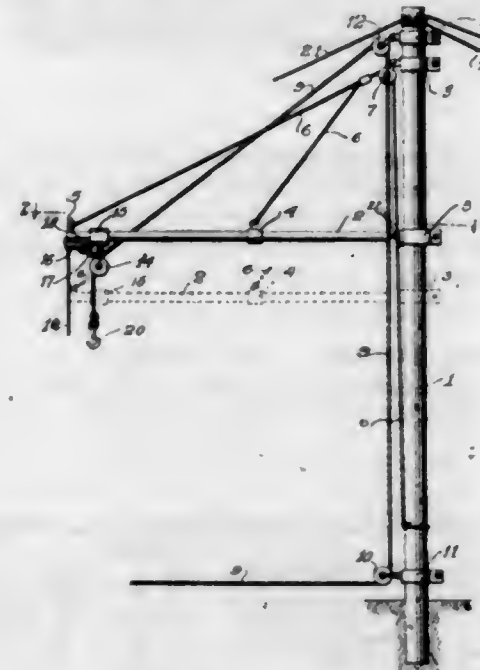
1. In a filling replenishing loom, the combination of a weft or filling fork detector mechanism at the non-replenishing side of the loom, replenishing mechanism controlled by the said detector mechanism to transfer a fresh supply of filling to the shuttle when the latter reaches the replenishing side of the loom following detection of filling failure by the said detector mechanism, a second detector mechanism at the replenishing side of the loom, and stopping mechanism controlled by the

second detector mechanism to stop the loom with the shuttle in the filling replenishing box and the replenish-



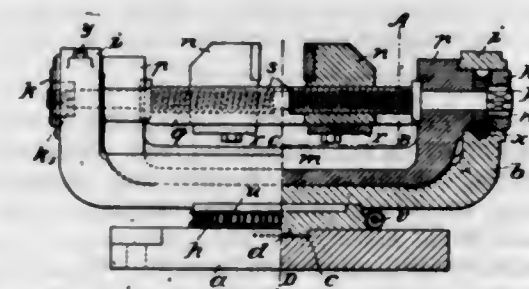
ing mechanism positioned to effect replenishment of filling on the first forward movement of the lay following loom stoppage.

1,511,297. HAY LOADER. GEORGE A. PENNOYER, Crowheart, Wyo. Filed May 17, 1922. Serial No. 561,729. 4 Claims. (Cl. 717-57.)



1. In a hay loader, the combination of a mast, a loose clamp mounted on the mast, a boom swingably attached to said clamp, means for vertically adjusting the boom, a hay loading cable, guide pulleys mounted on the mast over which said cable is run, a ring slidably mounted on the boom, a guide pulley suspended from said ring, a latch device carried by the aforesaid ring and normally engaging the end of the boom, and means for manually disengaging said latch member from the end of the boom.

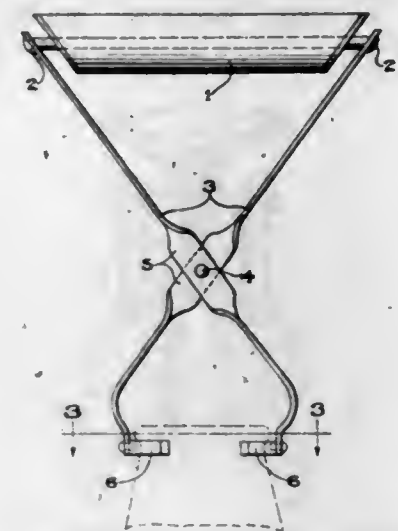
1,511,298. MACHINE VISE. PAUL PETZOLD, Gera, Germany. Filed Oct. 6, 1923. Serial No. 666,997. 3 Claims. (Cl. 90-60.)



1. In a machine vise, in combination, a cross sectionally segmental carriage, a substantially trough shaped rotatable support for said carriage, bearing and journaling means on said carriage concentrically disposed with

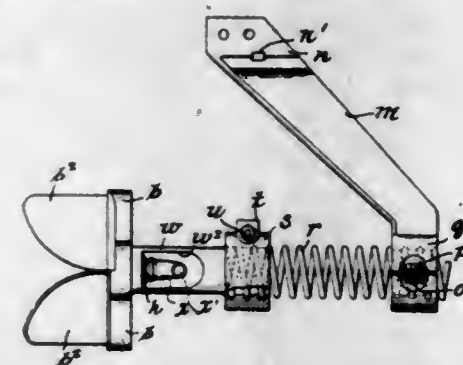
relation to the curvature thereof, trunnions coaxially arranged on said segmental carriage, and journaled in said bearing means, and means to lock the carriage and the support in the adjusted positions.

1,511,299. CARRIER. JOHN J. PUTNAM, Rutland, Vt. Filed July 12, 1922. Serial No. 574,581. 1 Claim. (Cl. 215-100.)



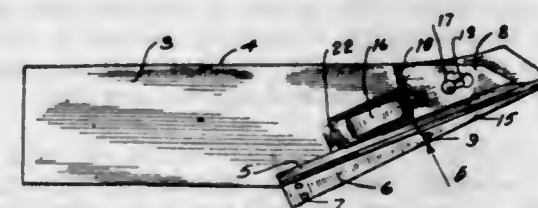
A carrier of the class described comprising a pair of members pivotally connected together and each consisting of a handle part and a jaw part, the handle part having a slot in its outer end, and a handle having parts at its ends engaging the slots.

1,511,300. TUBULAR MOUNT FOR TRAIN CONNECTERS. EDWARD A. ROBINSON, Montreal, Quebec, Canada, assignor of one-half to himself and one-half to Ellison A. Workman, Montreal, Canada. Filed May 17, 1922. Serial No. 561,705. 9 Claims. (Cl. 285-24.)



1. In a support for train pipe connectors, a head terminating in a threaded boss having a passage there-through for a train pipe terminal, a hollow support for the head adapted to screw upon the boss having an interior thread at the rear thereof, and having lateral access to the interior thereof, and a resilient mount for the support engaging with the said thread.

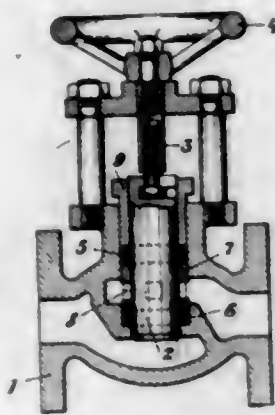
1,511,301. PLOWSHARE WITH REMOVABLE POINT. JOHN SANDERS, Denver, Colo. Filed May 28, 1923. Serial No. 641,909. 4 Claims. (Cl. 97-125.)



1. A plowshare having the front end of the shareside thereof offset, the landside of the share having a removable plate secured thereto, the shareside having an opening at the offset, and a keyhole-shaped opening be-

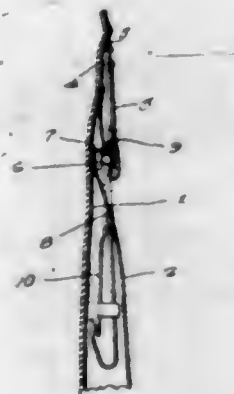
tween the first named opening and the front end of the plowshare, a removable point having a share portion, a landside portion, a finger adapted to cooperate with the first named opening and a rivet adapted to cooperate with the keyhole-shaped opening for holding the point in place in the share.

1,511,302. SHUT-OFF VALVE FOR STEAM, GAS, OR FLUID. KARL SCHNETZER, Obersiedlitz, Czechoslovakia. Filed Mar. 14, 1921. Serial No. 452,171. 6 Claims. (Cl. 251-77.)



4. A straight line shut-off valve comprising a solid walled piston, means for moving said piston axially, a sleeve enclosing said piston and having a plurality of apertures spaced around the circumference thereof, a valve chamber supporting said sleeve and having an annular passage communicating with the apertures in said sleeve, and a packing ring at each end of said sleeve, said piston and sleeve being arranged so that the passage of fluid through the apertures may be controlled by the axial movement of said piston.

1,511,303. KEY-CARRYING GARMENT ATTACHMENT. EMIL SCHREINER, Atchison, Kans. Filed Sept. 6, 1922. Serial No. 586,540. 2 Claims. (Cl. 2-249.)

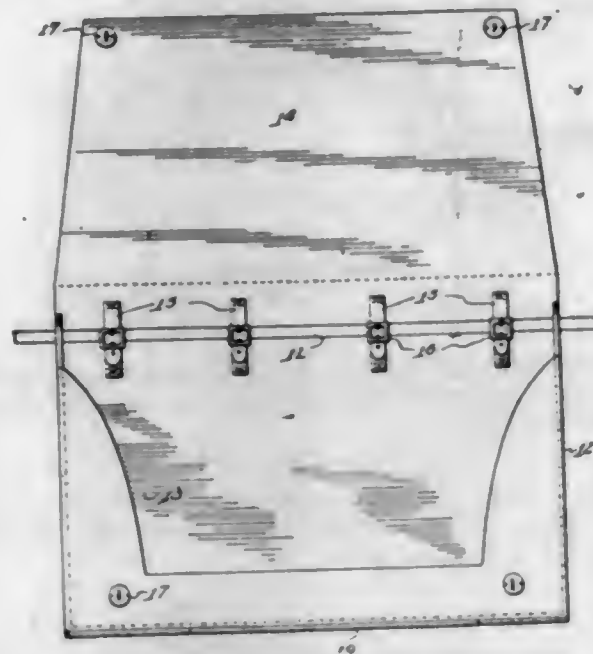


1. The combination with a garment having a pocket with a flexible wall, of an attachment comprising a tab connected with the inner side of the garment and having a headed button exterior of the pocket and opposed to said flexible wall of the pocket, a ball arranged within the pocket and having a contracted portion to straddle and engage the button and the pocket wall covering the same, and a connector carried by the said ball.

1,511,304. CASE. GEORGE B. SCHROYER, Wilmington, Del. Filed Aug. 16, 1922. Serial No. 582,208. 1 Claim. (Cl. 224-29.)

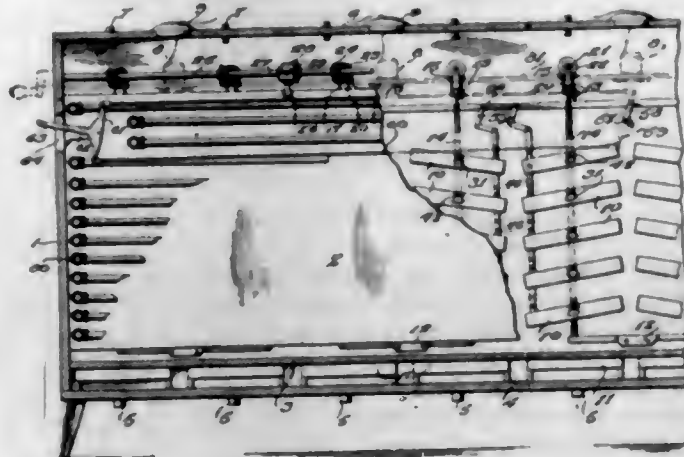
A lap robe carrying receptacle adapted to be suspended from a lap robe bar and having substantially its entire front and its entire upper end open, the receptacle

being of a length substantially the length of the bar, a closure flap carried by one end of the receptacle and adapted to extend around the bar and normally overlying the open front of the receptacle, cooperating fastenings



between the front of the receptacle and the flap whereby to detachably connect the latter with the former, and a plurality of supporting elements connected with one of the side walls of the receptacle and the flap and adapted to embrace the bar.

1,511,305. INCUBATOR. JOHN E. SEER and GEORGE H. CHAPLAIN, Leavenworth, Kans. Filed Mar. 6, 1923. Serial No. 623,139. 8 Claims. (Cl. 119-35.)

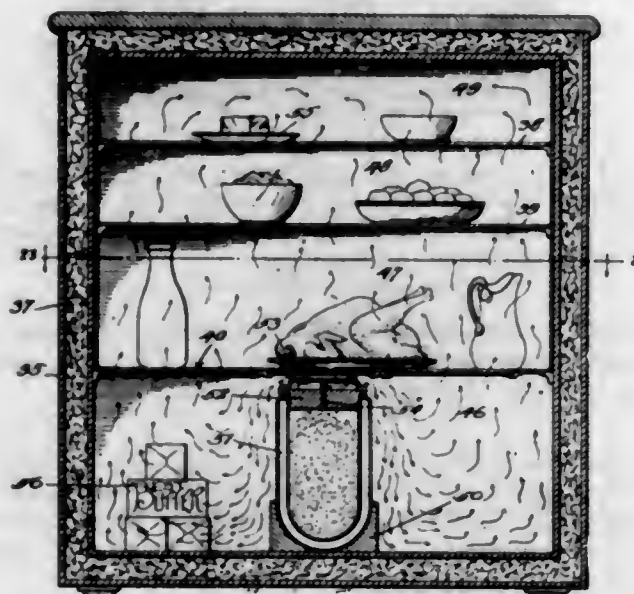


1. In an incubator, trays arranged in a vertical series and supported for pivotal movement, links pivoted to and connecting the trays, an endwise movable connecting bar, and angle levers connecting said bar with the said links.

1,511,306. METHOD OF AND APPARATUS FOR REFRIGERATION AND PRESERVING PERISHABLE PRODUCTS. THOMAS B. SLATE, New York, N. Y. Filed Jan. 10, 1924. Serial No. 685,482. 7 Claims. (Cl. 62-178.)

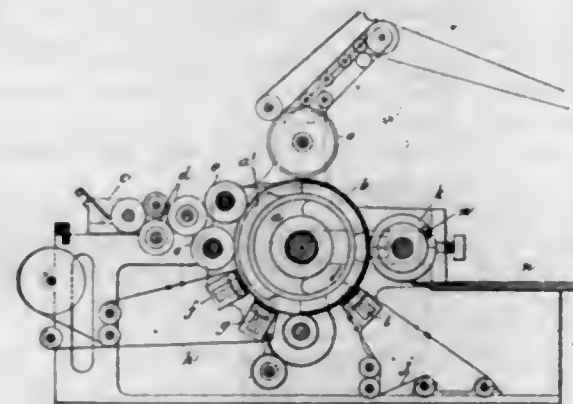
6. A refrigeration apparatus adapted for and using carbon dioxide snow as the refrigerant, said apparatus comprising a refrigerating chamber, said chamber having doors only in its upper portion and having its lower portion airtight, shelves in said refrigerating chamber, the lowermost of said shelves having sliding doors,

whereby to afford access to the lower compartments of the chamber through the upper doors thereof, and a container of carbon dioxide snow positioned in or near the bottom of the refrigerating chamber, whereby the user is afforded compartments of different refrigerating temper-



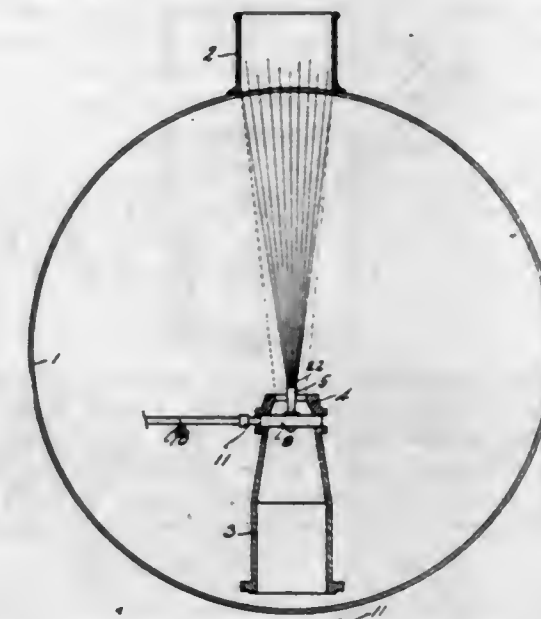
atures and whereby the chambers most frequently in use are the more accessible, said regulation of the temperatures of the respective compartments being automatically controlled by the density of the escaping carbon dioxide gas from the container of carbon dioxide snow in the bottom compartment, substantially as set forth.

1,511,307. ROTARY PLATE-PRINTING MACHINE. AMOS H. SMITH, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1918. Serial No. 248,518. 4 Claims. (Cl. 101-156.)



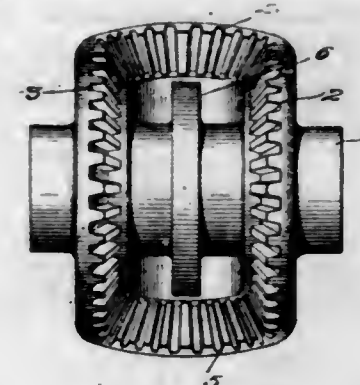
1. A rotary plate printing machine embodying therein a form or plate cylinder adapted to receive a single plate, an inking mechanism, a wiping mechanism, a polishing mechanism, an impression cylinder or D-roll associated with said form or plate cylinder, means rotating said form or plate cylinder at a high speed, determined by the minimum time required by said wiping mechanism to wipe the plate and pack the lines thereof with the ink, a gripper mechanism carried by said impression cylinder or D-roll, and a collecting or delivery mechanism adapted to remove sheets from the plate upon said form or plate cylinder, said collecting or delivery mechanism being spaced away from said impression cylinder or D-roll for a sufficient distance to permit a dwell of the paper upon said plate after the impression has been made.

1,511,308. BLOWER NOZZLE AND EXHAUST SPREADER. ANDREW THOMPSON, Birmingham, Ala. Filed Mar. 1, 1924. Serial No. 696,404. 6 Claims. (Cl. 162-4.)



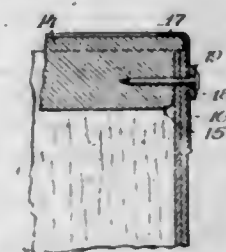
1. A blower nozzle and exhaust spreader for locomotives, comprising a nozzle having a live steam supply and a jet orifice formed between inner and outer members which flare upwardly, and means to mount the blower nozzle in the locomotive exhaust nozzle.

1,511,309. GEAR. SERGIUS VERNET, New York, N. Y. Filed Dec. 6, 1923. Serial No. 678,805. 6 Claims. (Cl. 74-14.)



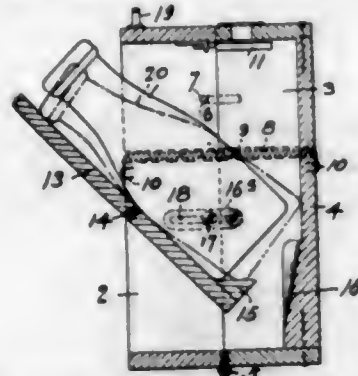
1. In a gear of the type described, the combination of curved portions having teeth of a uniform shape, and warped portions having teeth of ununiform shape.

1,511,310. KNOCKDOWN SHIPPING DRUM. CLARKE E. WARREN, Chicago, Ill. Filed Dec. 2, 1921. Serial No. 519,318. 3 Claims. (Cl. 217-44.)



1. A device of the class described comprising a cylindrical wood veneer wall, a metal fastener secured near one edge thereof and reinforcing said edge, a metal catch secured near the other edge thereof and interlocking with said fastener, removable ends each having a tapered shoulder to fit into the ends of said cylinder, and a metal hoop having a flange protecting the chime at each end.

1,511,311. MILK-BOTTLE HOLDER. JOHN WEIBLE, Avalon, Pa. Filed Apr. 28, 1923. Serial No. 635,297. 4 Claims. (Cl. 232-41.)



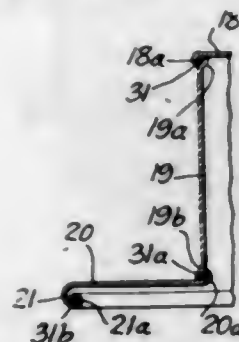
1. A bottle holder comprising a vertically divided box having its sections hinged together at their lower edges and having a lock for securing the upper sections of said box together, and a panel disposed in one of the walls of said section, said panel being mounted on a horizontal pivot between its upper and lower ends.

1,511,312. PHYSICAL-TRAINING DEVICE. WILJO U. ALASTALO, New York, N. Y. Filed Sept. 13, 1923. Serial No. 662,371. 3 Claims. (Cl. 46-67.)



3. A device for physical training, comprising weighted means composed of detachable units and expansibly connected together, and flexible means for the attachment of said means to the feet of the user.

1,511,313. HAT PROTECTOR. VICTOR L. ARNET, New York, N. Y. Filed June 11, 1923. Serial No. 644,682. 1 Claim. (Cl. 2-187.)



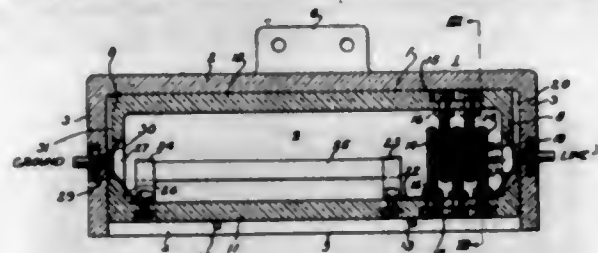
A protector for hats, made of waterproofed material, consisting of a crown portion, having a circular top and a cylindrical side extending downwardly therefrom, the edge of the said top being turned down to overlap the upper edge of the said side, an annular brim portion having its inner edge turned up and overlap the lower edge of the said side, the outer edge of the brim portion terminating in a U-shape and having the lower leg of the said U-shaped edge folded over, and endless elastic tapes tightly imbedded between, respectively, the overlapping edges of the top and side, the side and the brim portion, and between the folds of the lower leg of the U-shaped outer edge of the said brim portion.

1,511,314. LIGHTNING ARRESTER. ALFRED L. AHERN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 24, 1921. Serial No. 439,393. 8 Claims. (Cl. 175-30.)

2. A protective device comprising a plurality of spaced electrodes having threaded discharge surfaces.

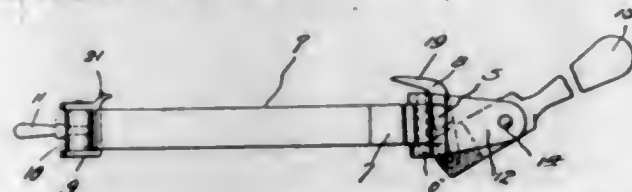
3. A protective device comprising an outer casing, an inner casing telescopically mounted in said outer casing,

a plurality of electrodes mounted in said inner casing, a resistance element connected in series with said electrodes, a plurality of terminals mounted in the walls



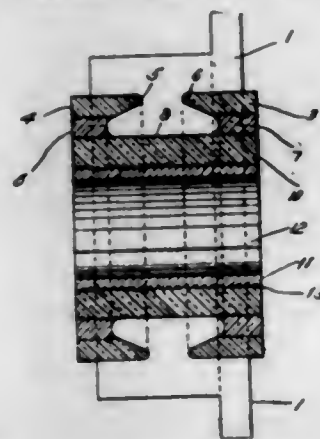
of said outer casing and a plurality of resilient contact members connected to said electrodes and to said resistance element, respectively, for yieldable engagement with said terminals.

1,511,315. LID-REMOVING DEVICE. PRESLEY G. BAILY, Eagle Rock, Calif. Filed Jan. 10, 1924. Serial No. 685,420. 3 Claims. (Cl. 81-31.)



1. In a lid removing device of the character described, a body, an adjustable band carried by the body for securing the latter upon a receptacle, a lever pivoted to the inner end thereof, said lever having an inwardly projected end portion adapted to engage under the lower edge of the lid to be removed whereby said lid will be forced upwardly from the receptacle body when the lever is swung, said adjustable band comprising band sections having slidably overlapping end portions whereby the diameter of the band may be varied, and clamping means for retaining the overlapping ends of the band sections against sliding movement relative to each other whereby the band may be retained in any desired adjusted size.

1,511,316. COMMUTATOR CYLINDER. ARTHUR J. BASTIAN, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 31, 1921. Serial No. 441,279. 5 Claims. (Cl. 171-321.)



2. A molded commutator cylinder comprising a plurality of circumferentially-arranged alternate commutator bars and insulating members, a knurled sleeve, and a number of tubular-formed layers of paper impregnated with a heat-hardened phenolic condensation product interposed between said commutator bars and said knurled sleeve.

1,511,317. TOOL FOR USE BY SMOKERS. FREDERICK E. V. BEANER, London, England. Filed Nov. 5, 1921. Serial No. 513,158. 4 Claims. (Cl. 131-13.)

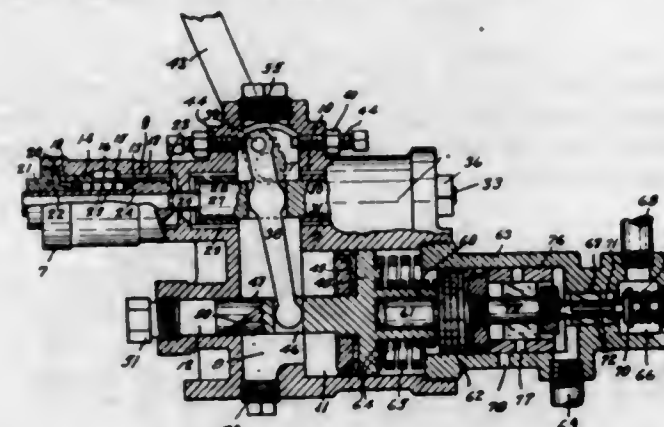
1. A tool adapted to be used as a scraper for the bowls of tobacco pipes, said tool comprising two members

and a pivot connecting the same, each of said members being of rounded channel shape and the end of each beyond the pivot having approximately half the rounded



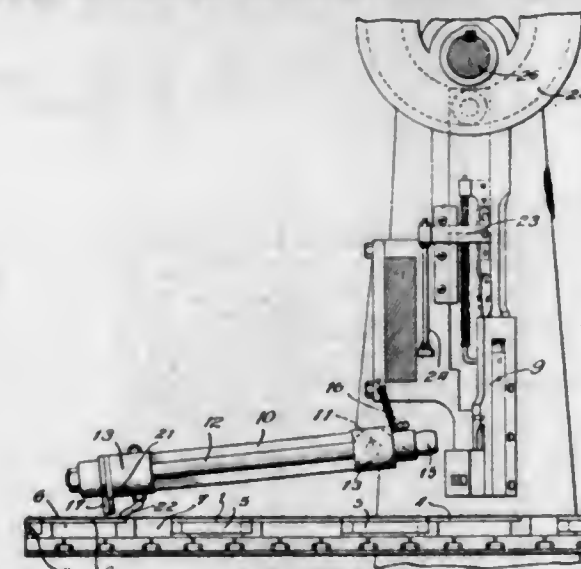
channel section cut away so as to form a blade with a sharp edge with a backward rake at the salient edge of each blade extending to the extremity or tip of each blade.

1,511,318. PRESSURE-REGULATING VALVE. KNUTE BRØGER, Seattle, Wash. Filed Jan. 8, 1923. Serial No. 611,280. 10 Claims. (Cl. 50-11.)



1. A pressure regulator valve embodying a valve housing, a valve member in said valve housing, a lever arm controlling the movement of said valve member, manually operated devices adjustably supporting one end of said lever arm, and pressure operated means connected with the other end of said lever arm.

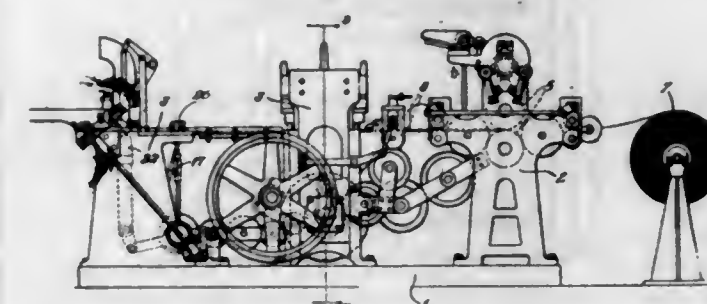
1,511,319. BOX-BLANK-MACHINE WIRE CUTTER. EDWARD CRAIG, St. Joseph, Mich. Filed Aug. 23, 1920. Serial No. 405,473. 18 Claims. (Cl. 1-8.2.)



18. The combination of means for feeding wire along with other materials, with predetermined points where

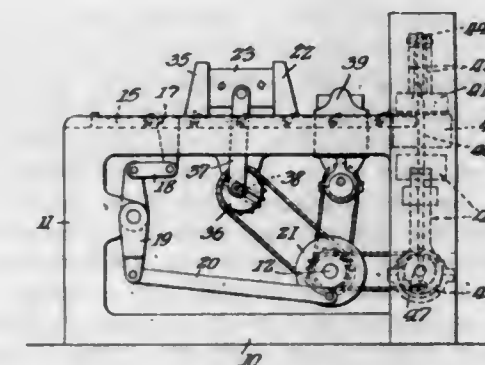
the wire must be severed after the work is finished, a cutter to sever the wire at said points, means controlled by said materials to automatically bring said cutter into operative position, and mechanism to operate the cutter when it assumes said position, said cutter comprising scissor blades, a pivoted arm on which one blade is fixed, a shaft on which the other blade is fixed, and means on said shaft to engage said mechanism.

1,511,320. MACHINERY AND METHOD FOR MAKING RECEPTACLES. EDWARD CRAIG, St. Joseph, Mich. Filed July 18, 1921. Serial No. 485,736. 16 Claims. (Cl. 93-36.)



1. The process of making receptacles, comprising the feeding of a long sheet or strip of paper, blanking out portions of said paper to form blanks for the making of the receptacles, cutting off the blanks successively, skewing or partially turning each cut off blank around into the position required for the folding thereof, by turning the blank one-eighth of a full rotation about a vertically disposed axis which is still in line with the center of the strip when the blank reaches the folding position, when viewed from above, so that prior to folding the blank has only this skewing motion after being cut off, and then folding the blank to produce the desired receptacle, whereby each severed blank is necessarily converted into a receptacle before another blank is severed from the strip.

1,511,321. CAN-MAKING MACHINE. LAWRENCE I. DENNISON, Brookfield, Ill. Filed Apr. 25, 1921. Serial No. 464,116. 3 Claims. (Cl. 164-48.)

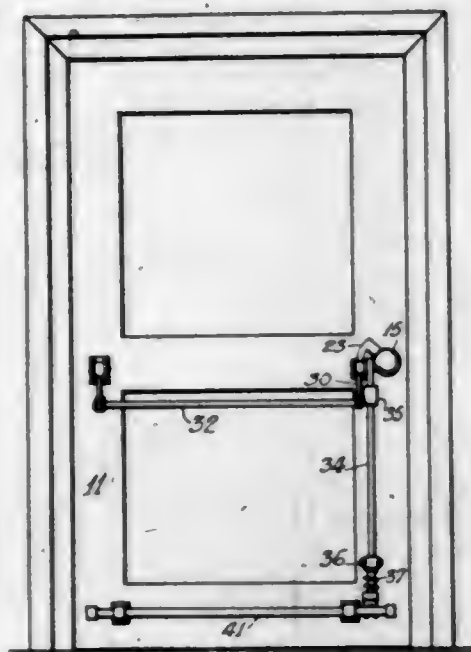


1. The combination with a lock-seam body-forming machine, of means associated therewith for squaring the ends of previously cut body blanks as the latter are fed through said machine.

1,511,322. DOORLOCK. HARRY W. DYER, East Orange, N. J. Filed July 5, 1922. Serial No. 572,775. 7 Claims. (Cl. 292-255.)

7. In a door lock of the class described, the combination of a latching mechanism with releasing means, a hand operated device for releasing said mechanism, a

horizontal bar across the centre of said door and a horizontal bar pivoted at two points to the bottom of said



door, each of said bars and said hand operated device arranged to operate said releasing means independently of each other.

1,511,323. PROCESS OF MAKING CEMENT AND BY-PRODUCTS. EDWIN C. ECKEL, Washington, D. C. Filed Jan. 14, 1924. Serial No. 686,229. 8 Claims. (Cl. 106-25.)

6. The process of making cement and iron, comprising fusing a mixture of lime and titaniferous iron ore in a furnace, tapping off the resulting iron, and cooling and grinding the remaining cement slag.

1,511,324. CURTAIN FIXTURE. PLATO G. EMEY, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,319. 9 Claims. (Cl. 156-28.)



9. The combination with a hollow shade stick, of an elongated thimble rotatably disposed in one end of said stick, a frame-engaging shoe, a nut lying within the stick, a rod attached to the shoe and extending through said thimble, portions of the rod and of the thimble being so shaped that the rod and the thimble are held against rotating relatively to each other, the inner end of said rod being screw threaded into said nut, a spring within said thimble acting on said shoe to press it yielding outwardly, said thimble and said rod being interlocked to permit the rod to slide in the thimble and compel it to rotate with the thimble, and co-operating shoulders between the inner end of the thimble and the stick serving to hold the thimble yieldingly against rotation but permitting the thimble to rotate when sufficient force is applied to compress said spring far enough to permit said shoulders to ride over each other.

1,511,325. COMBINED WATER COLUMN AND INCLINED GAUGE GLASS. GEORGE ERNST, Newark, N. J. Filed Feb. 19, 1923. Serial No. 619,862. 3 Claims. (Cl. 73-54.)

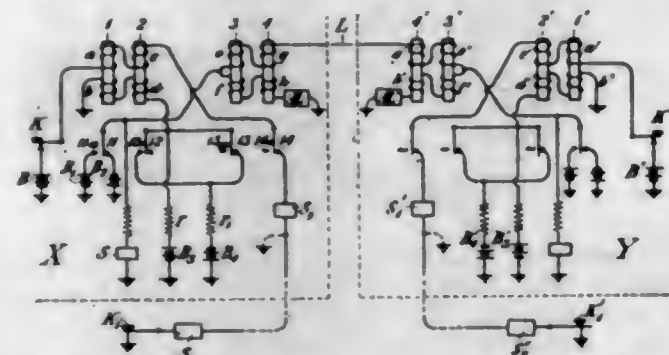
3. In mechanism of the character set forth, the combination with a water column formed on opposite sides of each end with a pair of bosses having communication

with the interior of the column, of a sight glass, means to connect the ends of the glass to two of said column bosses on opposite sides of the center of the column, said connections being of the same length so that the



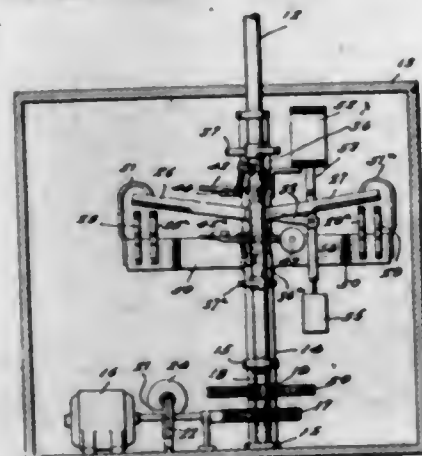
glass will lie in a plane substantially parallel to the adjacent face of the column but inclined with respect to the vertical axis thereof, and means to seal the remaining bosses not so connected with the sight glass, substantially as set forth.

1,511,326. DUPLEX TELEGRAPHY. JOHN M. FELL, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 16, 1921. Serial No. 515,043. 4 Claims. (Cl. 178-71.)



1. A duplex telegraph set comprising a loop circuit, a polarized pole changer relay and a polarized break relay having windings serially included in said loop circuit and additional windings on said relays, a circuit the potential of which is normally opposite to that of said loop circuit said additional windings being included in said circuit.

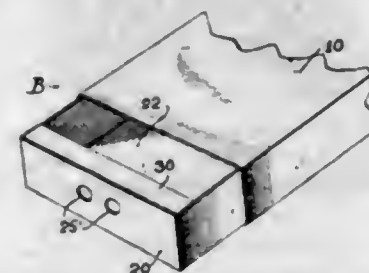
1,511,327. CROSSING GATE. SAM GILL, St. Joseph, Mo. Filed July 12, 1922. Serial No. 574,510. 4 Claims. (Cl. 246-128.)



1. An automatically operated railroad crossing gate comprising in combination with a gate, a vertically dis-

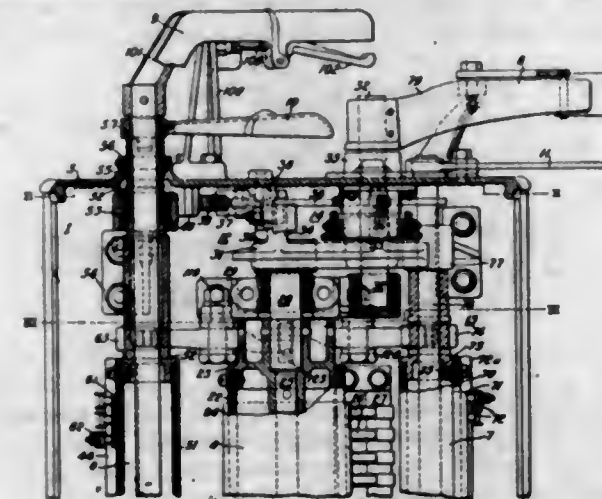
posed rock shaft, means connecting the shaft and gate, an electric motor operatively connected to the shaft, a switch included in circuit with the motor for controlling the operation of the latter, train controlled means including a solenoid for automatically closing the switch to operate the motor, means whereby the switch will be automatically opened when the gate reaches a closed position, weight operated means whereby the switch will be again closed to operate the motor, and open the gate when the solenoid is de-energized and means for automatically returning the parts to normal position when the gate is opened.

1,511,328. BOX. LILLIAN GOODMAN, New York, N. Y. Filed May 5, 1923. Serial No. 636,898. 8 Claims. (Cl. 229-19.)



5. A box member of the tray type comprising a bottom portion, side portions, and front and rear end portions, one of said end portions having one or more finger holes therein, in combination with reinforcing means comprising an end reinforcing member having a finger hole or holes therein for cooperation with the finger hole or holes of said last-mentioned end portion, a retaining member integral with said reinforcing means and extending across the open end of said box member, and a plurality of tabs associated with said retaining member for attachment of said reinforcing means to said side portions.

1,511,329. CONTROL APPARATUS. ARTHUR J. HALL, Pittsburgh, and PAUL L. MANDIS, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1919. Serial No. 311,025. 3 Claims. (Cl. 200-9.)

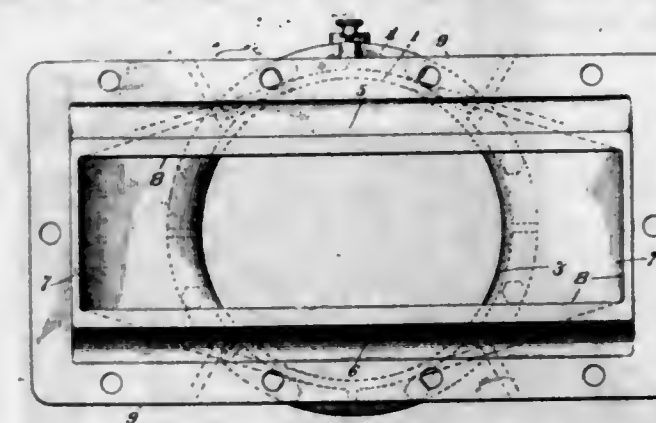


2. The combination with a plurality of vertically aligned hollow drums of insulating material and having abutting metallic end-ports of a shaft extending through both drums and secured to the metallic end-portion of the lower drum, a sleeve enclosing said shaft and attached to the other drum, and remotely located handles respectively secured to said shaft and said sleeve.

1,511,330. BURNER. OLE G. HALVORSEN, Chicago, Ill., assignor to Winslow Boiler & Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1920. Serial No. 400,187. Renewed Mar. 10, 1924. 2 Claims. (Cl. 158-76.)

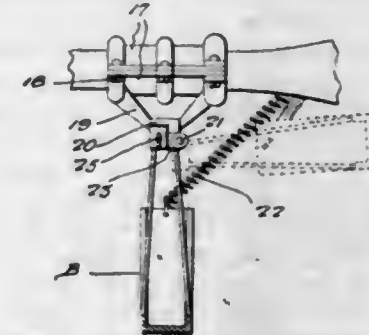
1. A liquid fuel burner comprising an air and oil mixing chamber, and a combustion chamber having its

top and bottom walls inclined toward its center and its side walls flared laterally to form a rectangular outlet, the construction of the two chambers being such



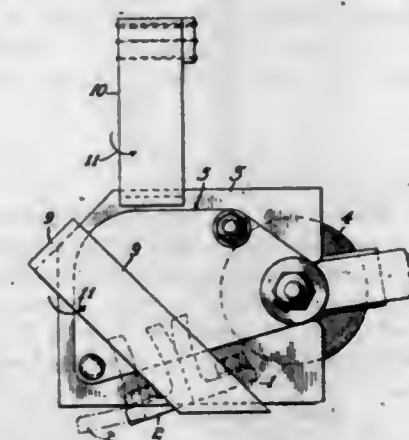
that the area of the combustion chamber is increasingly greater toward the outlet than the area of the mixing chamber.

1,511,331. MOTOR SLEIGH. RALPH HARRIS, Springfield, Mo. Filed Dec. 2, 1922. Serial No. 604,525. 2 Claims. (Cl. 280-10.)



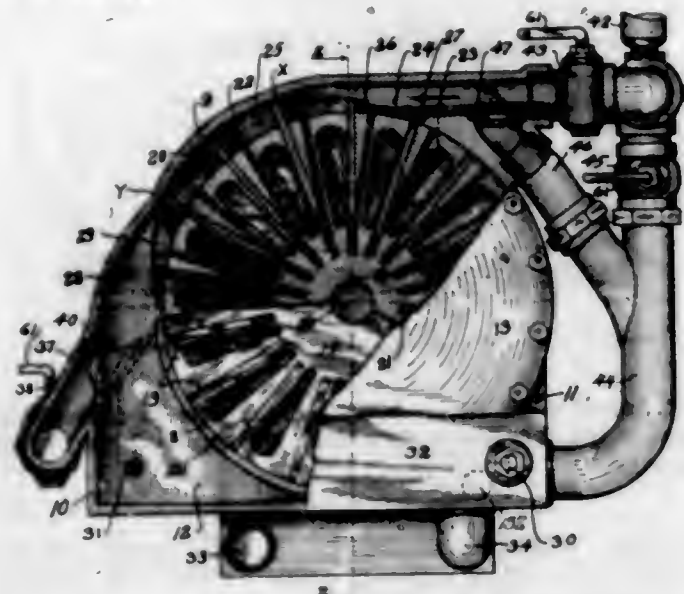
1. The combination with a horizontally arranged supporting element, of a clamp detachably associated therewith, pairs of divergent arms carried by the clamp, a rectangular element carried thereby and provided with ears at one end, a sleigh runner, a plurality of brace rods carried thereby, a sleeve carried by the upper ends of the brace rods and hingedly connected with the ears, the runner being capable of being swung to a horizontal position to lie parallel to the supporting element when not in use.

1,511,332. MAGNETIC DAMPER FOR ELECTRIC ARCS. WILLIAM E. HARRISON, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1920. Serial No. 425,517. 7 Claims. (Cl. 200-147.)



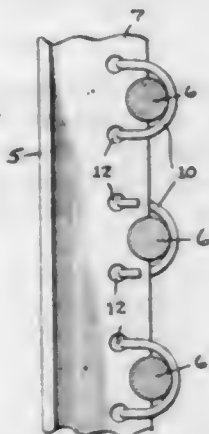
5. The combination with electrical terminal members, of a conductor disposed adjacent thereto and responsive to relative movement of an arc with respect thereto to generate a magnetic-flux field for affecting the arc.

1,511,333. LIQUID TRANSMISSION FOR AUTOMOBILES. HARRY T. HASKINS, Denver, Colo., assignor of one-half to Fred D. Mendenhall, Denver, Colo. Filed Feb. 20, 1922. Serial No. 537,889. 2 Claims. (Cl. 60-53.)



1. In combination, a pump provided with intake and delivery ports, a rotary engine adapted to be operated by liquid under pressure and provided with intake and exhaust ports, a passageway between the delivery ports of the pump and the intake port of said engine, a second passageway between the exhaust port of said engine and the intake ports of said pump, a by-pass joining said passageways, a valve in said first mentioned passageway between said by-pass and the intake port of the engine, a valve controlling the opening through said by-pass, a pipe opening into said first mentioned passageway between the valve therein and the intake port of the engine, said pipe opening into said by-pass between the valve therein and the second named passageway, a check valve in said pipe, a passageway connecting the delivery ports of the pump to the exhaust port of the engine and a valve in said passageway.

1,511,334. BAR SPACER FOR CONCRETE CONSTRUCTION. JOHN F. HAYMEYER, Ardsley-on-Hudson, N. Y. Filed Feb. 24, 1922. Serial No. 538,879. 5 Claims. (Cl. 72-76.)

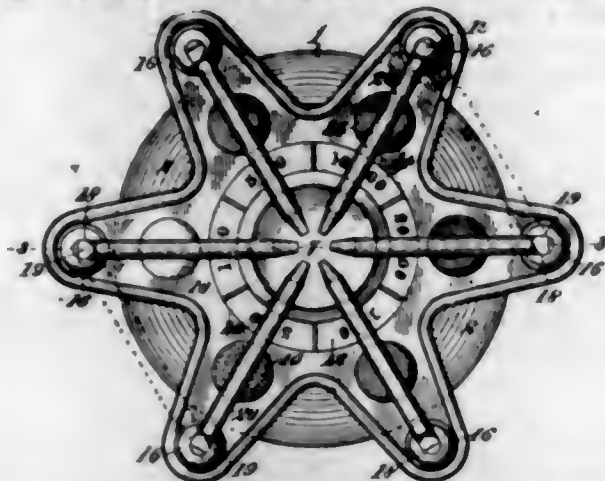


5. A bar spacer for use in concrete construction comprising a bar-supporting member presenting a web arranged to lie in a plane at right angles to the bars supported by it and provided with pairs of spaced holes and clips adapted to encircle spaced bars and be secured in said holes to secure the bars against the edge of said web.

1,511,335. GAME COUNTER. FREDERICK W. HENSHAW, San Francisco, Calif. Filed Mar. 5, 1923. Serial No. 622,828. 4 Claims. (Cl. 46-55.)

1. A holder for apertured game chips including a base, a hollow shell carried thereby and slotted at its

upper end, a spindle over which the game pieces are positioned and projecting from the shell and formed with a semispherical end fulcruming within the shell, said spindle adapted for swinging movement from a sub-



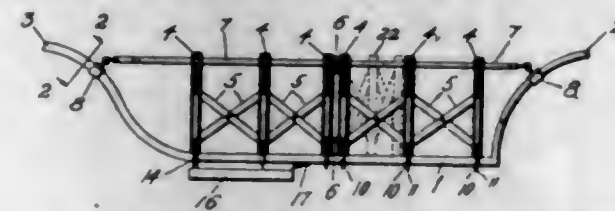
stantially vertical position to a position substantially parallel with the base, and spring held means within the shell adapted to retain the spindle in either of said two positions.

1,511,336. ADJUSTABLE MOUNTING DEVICE. SAMUEL C. HOBY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 3, 1920. Serial No. 349,285. 9 Claims. (Cl. 64-52.)



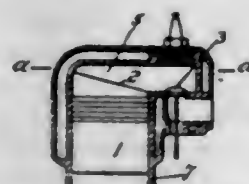
1. In an adjusting-screw device, the combination with a frame member having an elongated slot, of a bolt slidably mounted in said slot and having a transversely threaded portion in its head, means for ensuring a sliding fit of said bolt in said slot, and screw means co-operating with said threaded head, adapted to alter the position of said bolt in the slotted portion of said frame.

1,511,337. AUTOMOBILE ACCESSORY. ARLAND C. HOGGAN, Portland, Oreg. Filed Aug. 20, 1923. Serial No. 658,255. 2 Claims. (Cl. 224-29.)



1. In an automobile accessory of the character described, the combination of a running board, a box pivotally attached to the running board, and a folding rack slidably mounted on the pivot.

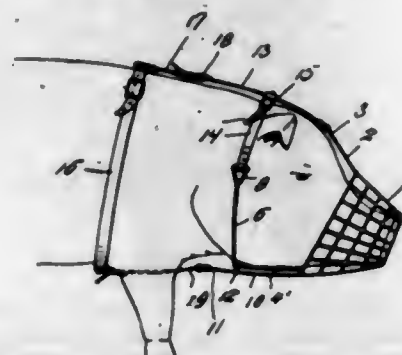
1,511,338. FOUR-STROKE-CYCLE INTERNAL-COMBUSTION ENGINE. WILLIAM CYRIL HOLDENESS, Petersham, New South Wales, Australia. Filed Nov. 2, 1921. Serial No. 512,209. 3 Claims. (Cl. 123-193.)



1. A four-stroke cycle internal combustion engine provided with a cylinder or cylinders having L-shaped

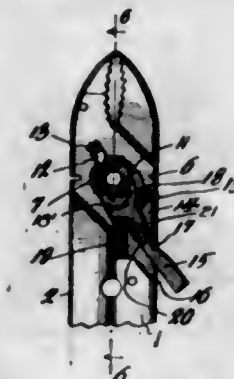
head and inlet and exhaust valves disposed in such head laterally of each other and opening upwardly therein, characterized in that the head of the piston is inclined in a direction toward the inlet valve whereby when said piston is disposed in the upper portion of said cylinder the height of the clearance space proximate said inlet valve is greater than the height of said space distance from said valve for the purpose herein specified.

1,511,339. BROOD-SOW MUZZLE. CARL L. HORD, Hallock, Minn. Filed Apr. 7, 1924. Serial No. 704,804. 2 Claims. (Cl. 119-133.)



2. An animal muzzle comprising a cage, spaced wires extending rearwardly from the cage and connected with the same at the lower portion thereof, means connecting the intermediate portions of the said wires together, the said wires being provided with angularly disposed and longitudinally curved rear end portions, other wires connected with the cage and located one at the upper portion thereof and one at the lower portion thereof and between the first mentioned wires, and a harness for securing all of the wires upon the head of the animal.

1,511,340. COMBINATION TOOL. PAUL JACKSON, Port Arthur, Tex. Filed Mar. 5, 1923. Serial No. 623,040. 3 Claims. (Cl. 81-60.)

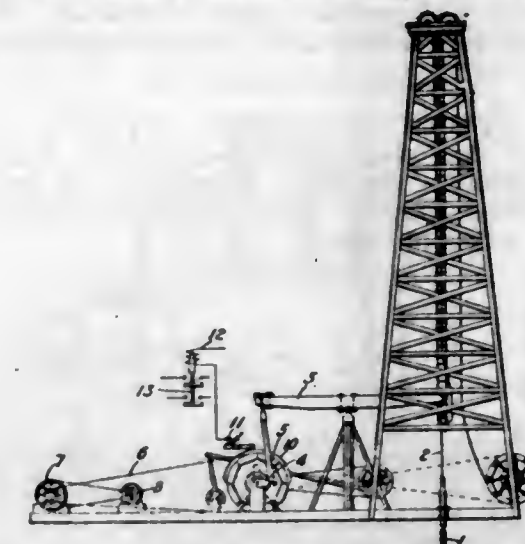


1. In a tool of the class described, a handle, a rotatable barrel mounted in the handle and having a socket at one end and a series of ratchet teeth intermediate its ends, said handle provided with a pocket, a spring-pressed pawl in said pocket engaging said ratchet teeth, said handle provided with a recess, a rod mounted in said recess, springs for holding the terminal of the rod in engagement with said ratchet teeth, said rod extending beyond the handle so that it may be actuated for rotation of the barrel in the manner and for the purpose specified.

1,511,341. CONTROL SYSTEM. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1919. Serial No. 290,967. 16 Claims. (Cl. 255-11.)

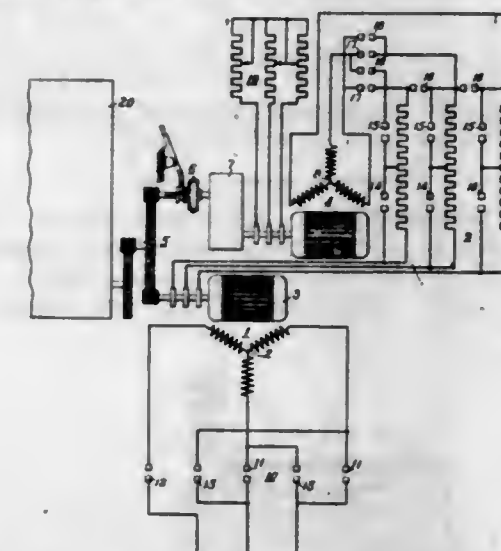
1. The combination with a tool and a pair of motors for operating the same, each having a primary winding and a secondary winding, of means for connecting the primary winding of one of said motors in circuit with

the secondary winding of the other of said motors when said tool occupies a predetermined position, and means



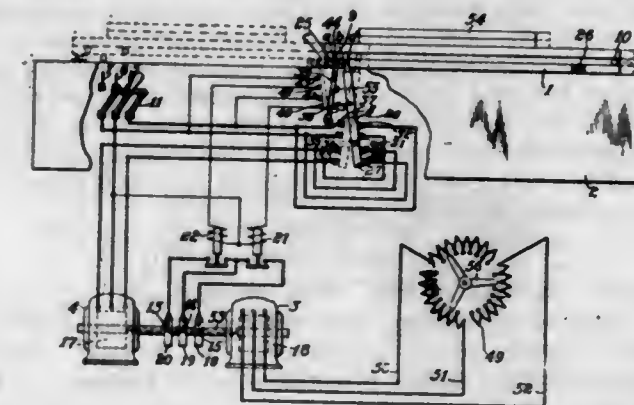
for short-circuiting said primary winding when said tool occupies a second predetermined position.

1,511,342. MOTOR-CONTROL SYSTEM. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1920. Serial No. 360,114. Renewed Aug. 8, 1924. 5 Claims. (Cl. 172-274.)



1. A control system comprising a main induction motor, an auxiliary motor in circuit with said main motor, a resistor included in said circuit, switching means for excluding portions of said resistor from said circuit, and means for detachably connecting said main and said auxiliary motor.

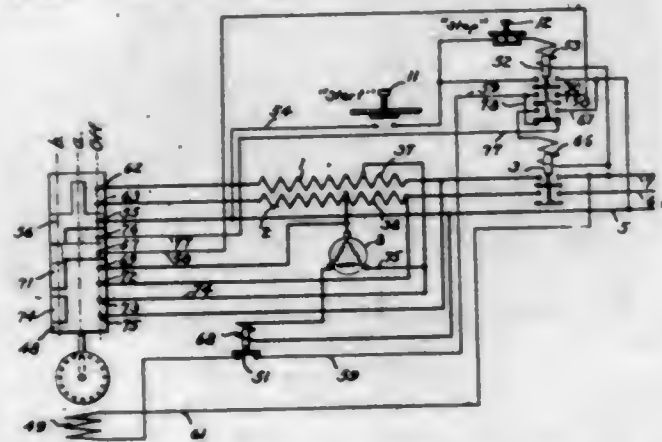
1,511,343. SYSTEM OF CONTROL. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 30, 1920. Serial No. 406,849. 6 Claims. (Cl. 172-240.)



1. In a planer or the like, the combination with a reciprocating table, of driving means therefor compris-

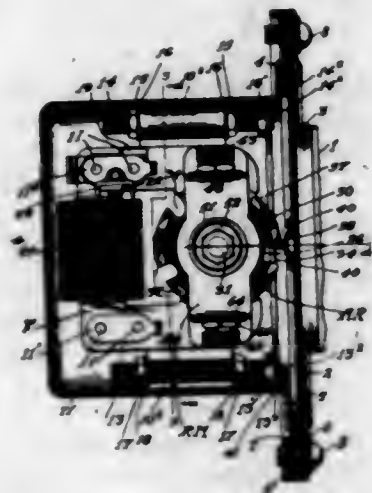
ing a plurality of alternating current motors, means for connecting said motors in cascade relation during one portion of a predetermined cycle, and means for periodically short-circuiting said cascade connections.

1,511,344. SYSTEM OF CONTROL. HENRY D. JAMES, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 452,212. 7 Claims. (Cl. 172-289.)



2. The combination with an alternating current motor and accelerating means therefor comprising an auto-transformer, of electro-magnetically operable means for automatically directly connecting the primary winding of the motor in shunt and in series relation to sections of the winding of said auto-transformer, and for disconnecting said auto-transformer, and load-responsive means for controlling the rate of acceleration.

1,511,345. MOTOR HORN. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1918. Serial No. 237,512. 9 Claims. (Cl. 177-7.)

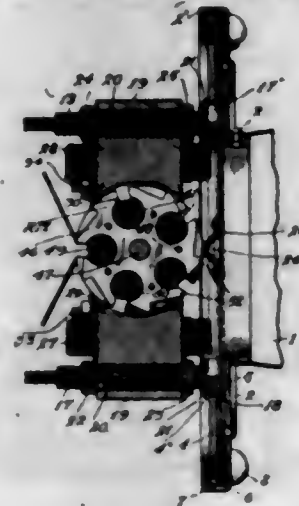


1. A device of the character described including a diaphragm, a rotary motor provided with a field piece having two pole pieces, a cylindrical armature for said motor, teeth for said armature for actuating said diaphragm, the circumference of the part of the armature containing the said teeth being the same as the circumference of the remaining part of the cylindrical armature, said cylindrical armature and teeth being situated in a position to connect the pole pieces of said field piece by the shortest magnetic path.

1,511,346. MOTOR HORN. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1919. Serial No. 298,195. 7 Claims. (Cl. 177-7.)

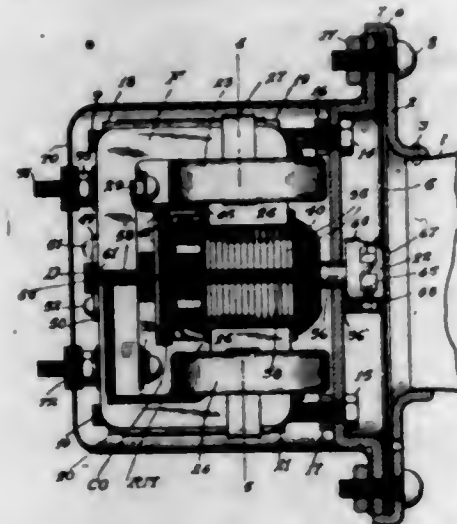
1. A device of the character described, comprising a mounting plate, a diaphragm secured thereto carrying

a centrally located wear member, a motor provided with a field piece, a shaft for said motor journaled in the field piece and carrying a laminated armature provided with a centrally located striker formed from the laminae to engage the wear member, means carried by the mounting plate for adjustably supporting and maintaining the motor parallel to the diaphragm, a disc commutator



carried by the armature, brushes carried by the field piece and engaged with the commutator, a thrust bearing secured to the field piece and arranged to prevent endwise movement of the shaft in one direction, and means acting on the brushes to force the shaft against the thrust bearing whereby the striker is held concentric with the diaphragm.

1,511,347. MOTOR HORN. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1919. Serial No. 298,940. 11 Claims. (Cl. 177-7.)

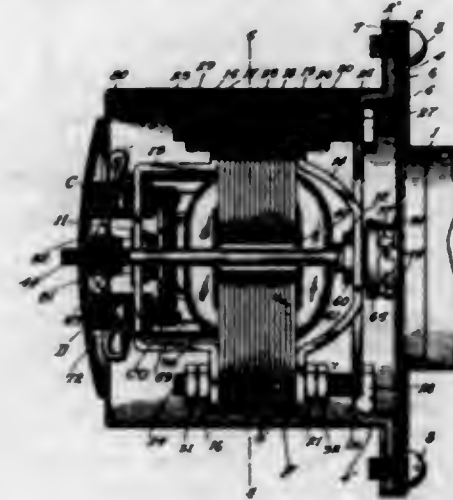


1. A signaling device of the character described comprising a mounting plate, a diaphragm secured to said plate, a motor for vibrating said diaphragm including a rotary shaft having bearing at one end in said plate and a field piece, said shaft extending through said field piece and provided with a groove, means engageable with said groove to form an end thrust bearing for said shaft and arranged to permit limited longitudinal movement of said shaft, interengaging members on said diaphragm and motor shaft for producing relative movement between said members in the direction of the shaft axis and means for mounting the motor to permit movement bodily toward and away from the plate.

1,511,348. MOTOR HORN. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1920. Serial No. 375,480. 12 Claims. (Cl. 177-7.)

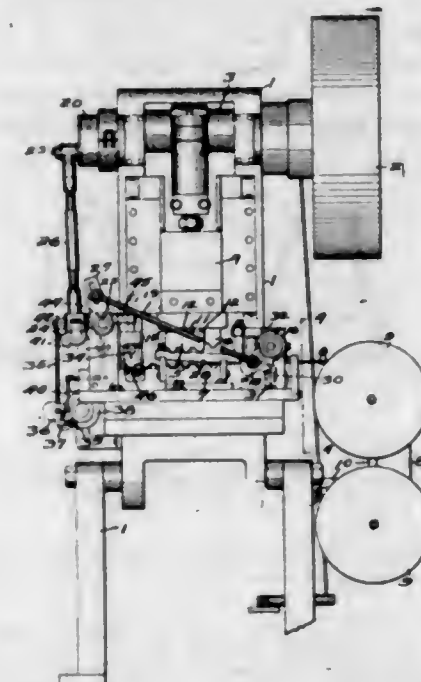
1. In a motor horn, a mounting plate, a diaphragm attached thereto, a wear-piece secured to said diaphragm, a

field piece mounted in a plane parallel to the plane of said diaphragm, an armature shaft mounted at right angles to the plane of said diaphragm and carrying an agitator for contact with the wear-piece on said diaphragm, a pair of supporting bridges connected to said



field piece, bearings supported by said bridges supporting and preventing the endwise movement of said shaft, and means for adjusting said motor and agitator as a unit relative to said wear piece, said means serving to support the field piece and said bridges upon the mounting plate.

1,511,349. MACHINE FOR FORMING BRASS SPRING STRIPS FOR RADIATORS. GEORGE H. LOBER, Toledo, Ohio. Filed Apr. 8, 1921. Serial No. 459,766. 2 Claims. (Cl. 153-2.)

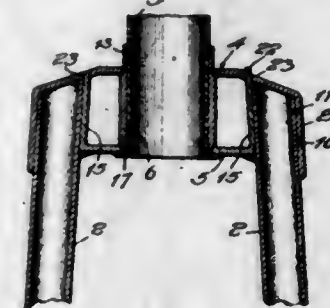


1. In a machine for forming strips, a stationary die, a ram, a pair of dies connected to the ram, one of the dies movable relative to the ram, compression springs located intermediate the movable die and the end of the ram for positioning the strips relative to the stationary die and for holding the strips while the other die connected to the ram co-acts with the stationary die to shape the sheet material, a pair of rollers for feeding the strips over the stationary die, and means operated by the ram for releasing the rollers from the strips.

1,511,350. FORK CROWN. AUGUST D. MEISELBACH, Shelby, Ohio, assignor to Margaret Meiselbach, Shelby, Ohio. Filed July 3, 1922. Serial No. 572,379. 3 Claims. (Cl. 208-96.)

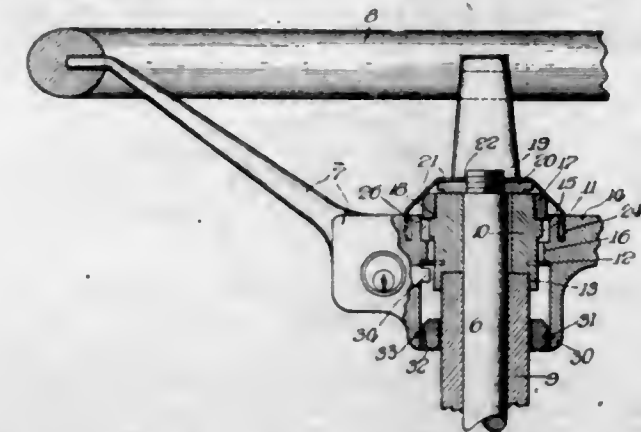
1. The improvements herein described comprising a fork such as a front fork of a bicycle consisting of tubular fork sides and a tubular stem, a box-like crown

connecting the fork sides and stem and made up of a box-like member formed of sheet metal and open on one side, the open side closed by a second sheet metal member having ends formed or bent to project within the box-like member and formed the inner sides of sockets



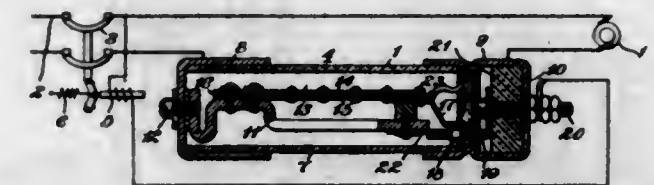
to receive the upper ends of the tubular fork members, a connecting tubular thimble extending from the top to the bottom of the box and doweled in each for receiving the fork stem, the upper end of the thimble projecting above the top wall of the box-like member and in combination with the top wall forming a seat for a ball bearing member.

1,511,351. LOCKING DEVICE FOR AUTOMOBILES. ELZEAR MICHAUD, Chicago, Ill., assignor to Charles W. Gillett, Chicago, Ill. Filed June 9, 1919. Serial No. 302,943. 4 Claims. (Cl. 70-129.)



1. In a device of the class described, in combination, with a steering post, a hub rigidly mounted thereon, a wheel having a hub mounted on said steering post hub, means for connecting the hubs in operative and inoperative relation, said wheel being slidable from an operative to an inoperative position, a flange of harder material than said steering post hub and having an irregular inner periphery, inset in said steering post hub, and projecting from the outer face thereof and a locking mechanism carried by said wheel including a lock bolt adapted to be thrown above or below said flange and hold said wheel in operative or inoperative position.

1,511,352. THERMAL RELAY. FREDERICK H. MILLER, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1920. Serial No. 386,223. 24 Claims. (Cl. 200-113.)



1. A thermal relay comprising a heat-responsive device consisting of two elements having different coefficients of expansion, one element only of which is adapted to be heated.

1,511,353. THERMAL RELAY. FREDERICK H. MILLER, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,591. 22 Claims. (Cl. 200-122.)



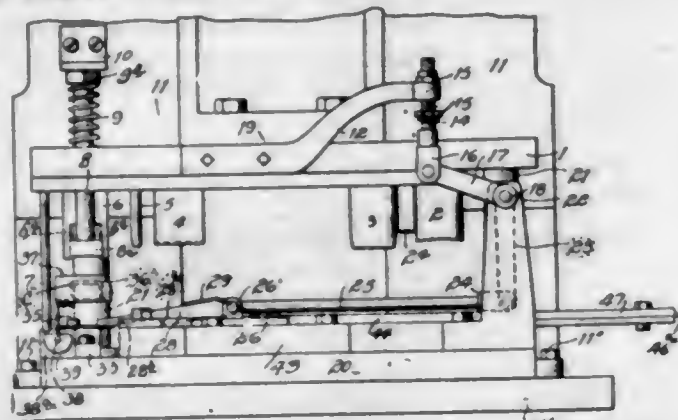
1. A thermal electric relay comprising a thermal-responsive device adapted to be connected in an electric circuit and inductive means intimately thermally associated therewith for heating the same.

1,511,354. VANITY BOX. SIMON MORRISON, Brooklyn, N. Y. Filed July 15, 1922. Serial No. 575,264. 3 Claims. (Cl. 132-82.)



1. A device of the class described comprising a central receptacle having on its outer surface a semi-circular embossed portion, a length thereof being inwardly pressed to form an oppositely facing semi-cylindrical surface, an upper and a lower box closing upon the respective ends of the central receptacle, each box being formed with a hinged sleeve to fit within the said semi-cylindrical surface and to form a continuation of the embossing, and a pinfe connecting said hinge sleeves and bearing at its ends between the extremities of the semi-cylindrical surface and the adjacent portions of the embossing, substantially as set forth.

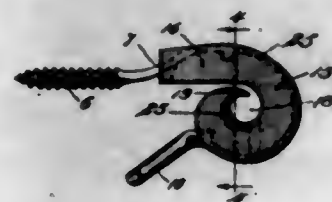
1,511,355. BELT-HOOK-MAKING DEVICE. WILLIAM F. MORRISON, St. Louis, Mo., assignor to Northwestern Machine Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 18, 1922. Serial No. 544,806. 8 Claims. (Cl. 153-2.)



1. In a belt hook making machine, the combination of guiding means for a metallic strip, means for advancing

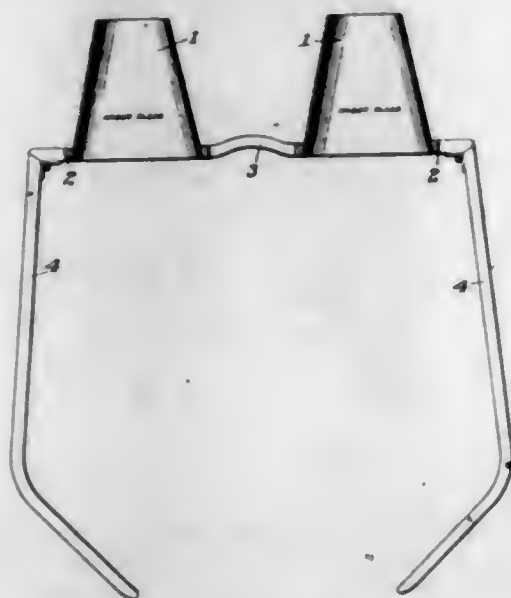
said metallic strip along said guiding means, means for forming elongated openings in said metallic strip as it is intermittently stopped during its travel along said guiding means, and means located adjacent said guiding means for forming opposed V-shaped incisions in said metallic strip which meet with the elongated openings thereof.

1,511,356. THREAD GUIDE. REGINALD A. MORSE, Providence, R. I., assignor to Morse Patents Company, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 14, 1924. Serial No. 699,182. 4 Claims. (Cl. 242-157.)



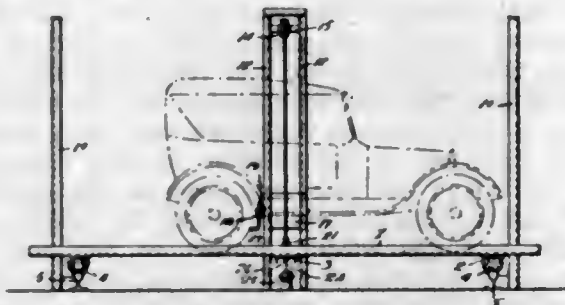
1. In a thread guide, a bearing block of vitreous material comprising a shank, a laterally extending terminal coil upon the outer end of the shank forming a circular central eye, and a tapering curved forwardly directed point terminating adjacent the shank and forming there-with a thread passage extending to the eye, a resilient strap surrounding both the shank and coil, and an attaching rod integral with one end of the strap in substantial alignment with the thread passage.

1,511,357. AUTOMOBILE GOGGLES. ELDRIDGE NAIRNE, Roxbury, Mass., assignor of one-third to David Finkelstein, Boston, Mass., and one-third to Jacob Goose, Chelsea, Mass. Filed June 13, 1922. Serial No. 567,895. Renewed June 18, 1924. 1 Claim. (Cl. 2-14.)



Automobile goggles comprising a pair of forwardly tapered, substantially trunco-conical tubular members composed throughout their length of semi-transparent or translucent material to eliminate glare through the sides of the tubular members and open throughout their length and at each end to permit an unobstructed view ahead through the tubular members and a clear glare eliminated view through the sides of the members, and a frame provided with openings in which the inner ends of the tubular members are directly secured and supported, and means connected to the frame for attaching the same to the head of the wearer, the frame having a curved part intermediate its ends between the tubular members forming a bridge for the nose of the wearer.

1,511,358. AUTOMOBILE TILTING DEVICE. JAMES H. NESBITT, Cleveland, Ohio. Filed Apr. 2, 1923. Serial No. 629,421. 2 Claims. (Cl. 214-1.)



1. The combination with a cradle comprising cross rails, upright guides at one end thereof, a tilting frame having rollers at its outer side which travel on the rails, and rollers at its inner side which travel in guides, of hoisting and lowering means connected respectively to the inner and outer sides of the frame, and operating devices therefor mounted upon an upright support adjacent the guides, both of said operating devices being located at the same side of the frame.

1,511,359. PROCESS FOR DYEING WOOL WITH DYE-STUFFS CAPABLE OF BEING CHROMED. PAUL ONNERTZ, Berlin-Wilmersdorf, and ALFRED PETERS, Berlin, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed May 15, 1922. Serial No. 561,004. 4 Claims. (Cl. 8-13.)

1. In process of dyeing wool in which a chromium compound is added to the bath, protecting the wool against the detrimental action of the chromium compound by adding sulfite cellulose waste liquor to the bath containing the chromium compound.

1,511,360. ANTI-INDUCTIVE SYSTEM. HAROLD S. ORBONE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 4, 1920. Serial No. 363,107. 5 Claims. (Cl. 171-97.)

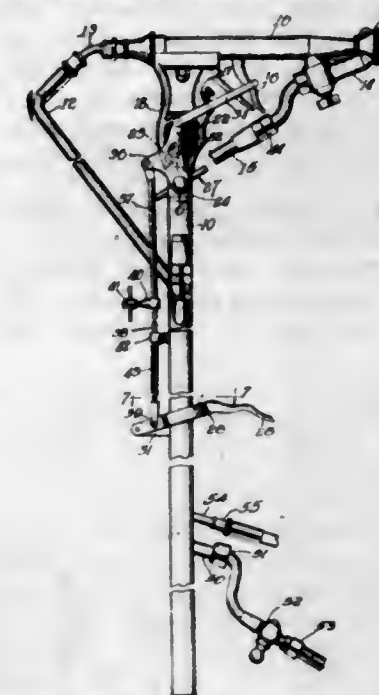


1. In combination, a signal circuit, a sectionalized supply conductor adjacent thereto for carrying current whose inductive effect on said signaling circuit is to be neutralized, a correspondingly sectionalized return feeder conductor, a third conductor of length corresponding to the supply conductor section adjacent thereto and itself further sectionalized, and means associated with said conductors to impress a potential on each section of the third conductor substantially equal and opposite to that on the corresponding portion of the supply conductor section.

1,511,361. PNEUMATIC SPRAYING DEVICE. JENS A. PAASCH, Chicago, Ill. Filed June 2, 1919. Serial No. 301,161. Renewed Mar. 22, 1923. 35 Claims. (Cl. 91-45.)

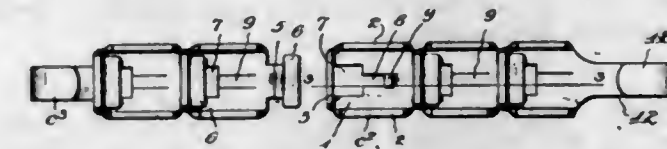
1. In combination, a pneumatic spraying device, an elongated handle on which said device is mounted for adjustment into different positions, an arm pivotally mounted on said handle adjacent to the spraying device, a link connecting said arm to the operating part of the

spraying device, a lever pivoted on said handle near the lower part of the latter, and a connection between said



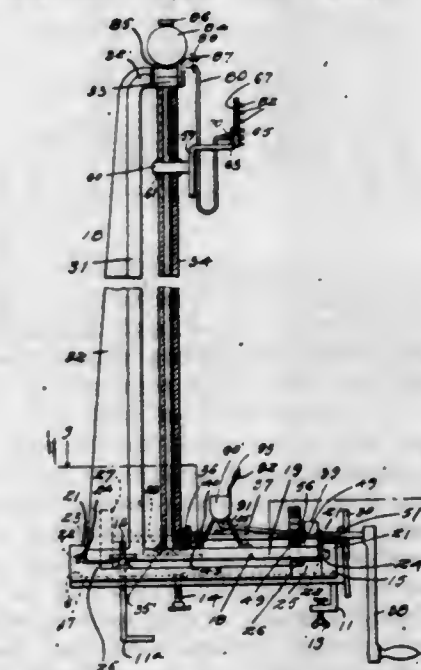
lever and said arm having extensible and contractible parts arranged to be fixed together in different positions to change the length of said connection.

1,511,362. NONSKID CHAIN. OSCAR M. PETERS, Baltimore, Md. Filed Aug. 18, 1922. Serial No. 582,701. 3 Claims. (Cl. 152-14.)



1. A non-skid cross-chain link comprising a relatively flat and substantially rectangular body having side flanges, a flange at one end, a shank projecting centrally from the opposite end, a head projecting laterally from the shank, an opening adjacent the end flange of greater width than the shank and of less width than the head and a tongue adapted to lock the head of a similar link in said opening.

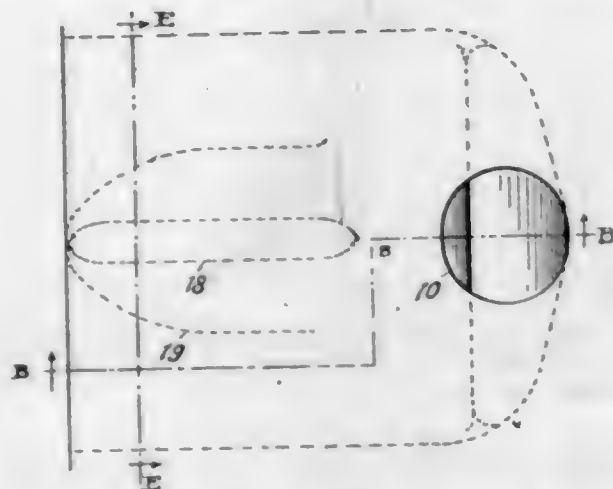
1,511,363. WINDOW-WASHING MACHINE. WILLIAM A. PIERSON, Saratoga Springs, N. Y. Filed Jan. 16, 1923. Serial No. 612,962. 14 Claims. (Cl. 15-103.)



1. A window washing machine having a bed plate, rails extending upwardly from said bed plate, said bed

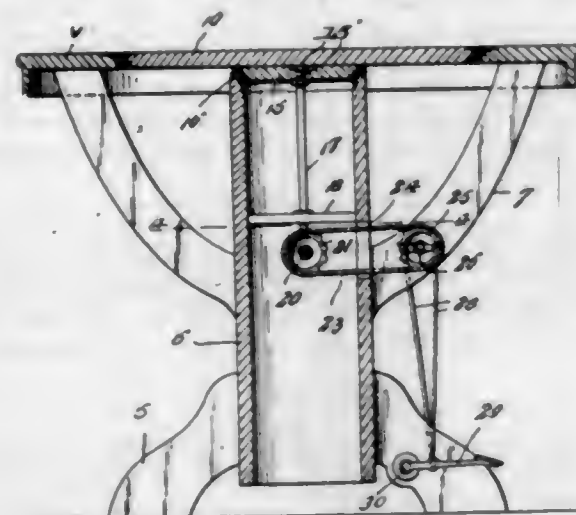
plate being thickened inwardly and adjacent the bases of said rails and provided with rack teeth, said rails having grooves above said teeth facing each other, a brush-carriage slidable on the bed plate above said teeth and intermediate said rails, studs on the carriage extending into said grooves, a shaft journaled on the carriage, and a gear wheel on said shaft in mesh with said teeth.

1,511,364. DRAFT TUBE. HARRY E. POPP, Cleveland, Ohio, assignor, by mesne assignments, to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed Sept. 10, 1923. Serial No. 662,010. 13 Claims. (Cl. 253-17.)



2. A draft tube having a bend and shaped in advance of the bend to convert the stream of water into a form elongated in cross-section.

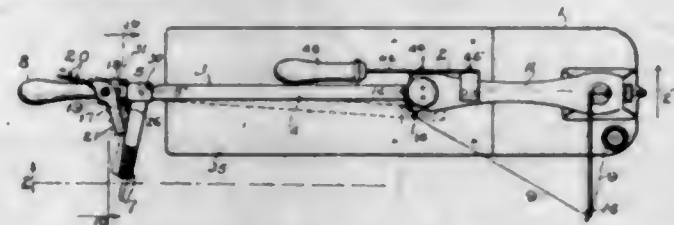
1,511,365. WAITING TABLE. EARL RAMSBURG, Janesville, W. Va. Filed Feb. 17, 1923. Serial No. 619,587. 1 Claim. (Cl. 45-26.)



A self-serving table including a frame having a tube formed with outwardly and downwardly extending legs at the lower end portion thereof and outwardly and upwardly extending table supporting arms from the central portion thereof, said arms terminating in a plane slightly above the upper end of said tube, an outer ring-shaped top section mounted on the upper ends of said arms, the inner edge of said table top section and the upper edge of the tube being formed with inwardly and downwardly inclined beveled portions, a plurality of supporting rollers mounted in said beveled portions, a central annular table top section adapted to fit within the first mentioned section, a disk secured centrally to the lower face of said central table top section, the central top section and the disk each having a beveled edge corresponding respectively with the beveled edges of the outer top section and the upper end of the tube.

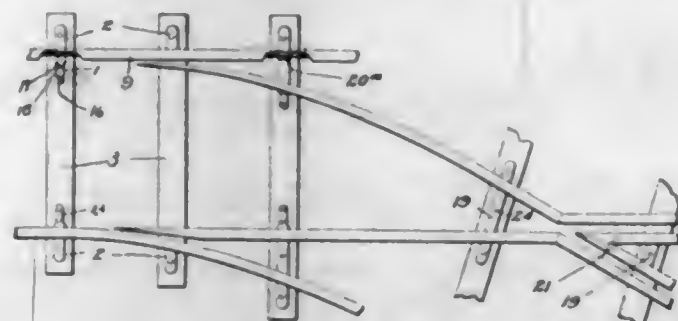
wear receiving rings mounted on the beveled edges of the central top section and the disk respectively, adapted to engage said rollers and adapted to support said central top section with the upper surface in the same plane as the upper surface of the outer top section in top forming relation, a shaft mounted axially in said tube and rotatable therein having one end removably and adjustably secured to the disk on said top section, and means mounted in the tube and connected with said shaft for rotating the same in the rotation of said means, and means carried by the arms and legs on the outside of the tube for rotating the means within the tube to rotate the shaft and the central section of the table top, whereby the shaft may have limited adjustment relative to the means in the tube without affecting the mounting of the top section and the disk on their respective rollers.

1,511,366. STITCH MARKER. PERRY RAPP and MAX D. RATNER, Chicago, Ill. Filed Aug. 8, 1922. Serial No. 580,545. 5 Claims. (Cl. 112-2.)



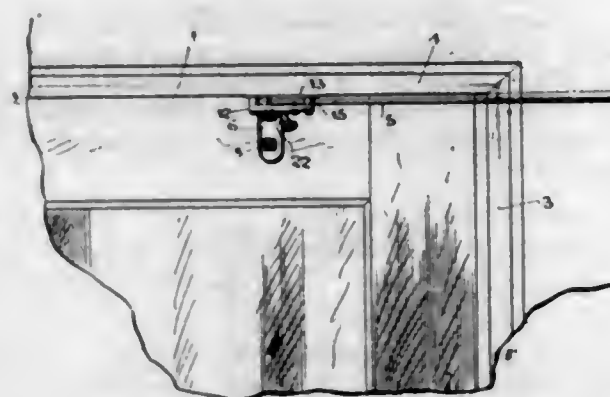
1. A device for applying stitch markers comprising in combination a frame, a needle and operating mechanism therefor arranged to carry a loop of thread through the lay, a catch operable crosswise of the tip of said needle to engage said loop and prevent withdrawal of the thread, and multi-bladed means to successively pull loops in said thread between layers, each blade having an aperture to admit said needle and thread and each aperture being bordered by a sharp edge to cut said thread when said means are pulled lengthwise of the blades.

1,511,367. RAIL CLAMP AND BRACE. WILLIAM M. RIGGINS, Austinville, Va. Filed Feb. 14, 1924. Serial No. 692,831. 2 Claims. (Cl. 238-336.)



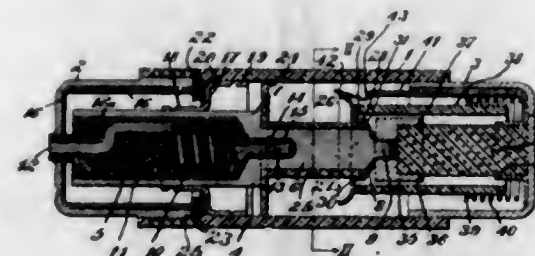
1. A device of the class described including an outer rail bracing member comprising a base, and integral upper and lower relatively long angularly disposed rail engaging arms, the lower rail engaging arm being arranged in a substantially horizontal plane and spaced from the plane of the lower face of the bottom member to form a recess to receive the bottom flange of a rail and fitting against the same from the outer edge thereof to the web of the rail and also against the said web, the upper portion being inclined and fitting against the web contiguous to the head of the rail and also against the under side of the head of the rail and an inner clamping member comprising a pivoted base and a wedge shaped arm carried by the base and movable into and out of engagement with the bottom flange and web of the rail, and a removable bolt located at the inner side of the pivot and piercing the said base for rigidly maintaining the inner member in engagement with the rail.

1,511,368. DOOR HOLDER. WILLIAM ROBERTS, Springfield, Ohio. Filed Mar. 14, 1923. Serial No. 625,073. 1 Claim. (Cl. 292-341.)



A device of the character described comprising a holding bar having a curved longitudinal body and an attaching portion at one end of the body, said attaching portion extending at right angles to the plane of the body, being arcuately curved in cross sectional contour and being provided with spaced bolt receiving openings located along the longitudinal median line thereof, bolts extending through a door and through said bolt receiving openings of the attaching portion to attach said holding bar to the door, the door, the convexly curved face of the attaching portion being approximate to the door and the portions of the bolts engaging the bolt receiving openings of the attaching portion being relatively reduced, permitting slight oscillatory movement of the holding bar, a guide frame adapted to be attached to a stationary support adjacent to the door and in which the body of the holding bar is slidable, and means carried by the guide frame for adjustably engaging the body of the holding bar at desired points along the length of the latter to releasably hold the door against swinging movement in one direction.

1,511,369. ELECTRIC CUT-OUT. MAURITS J. SANDIN, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 17, 1920. Serial No. 389,566. 10 Claims. (Cl. 200-131.)

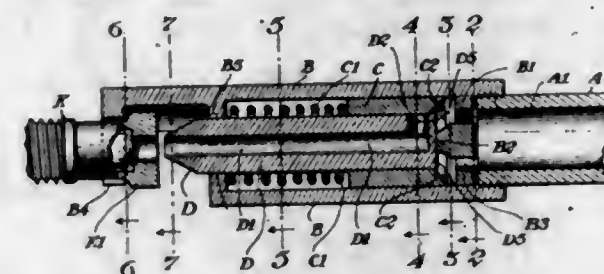


1. A cut-out device comprising a thermal-responsive element constituting a plurality of sections of sheet material joined edge to edge and having one substantially continuous surface and fusible means permitting a portion of the area of said surface to be displaced relative to the remainder of the element in response to a predetermined temperature and for separating the said portion from the element.

1,511,370. GREASE-GUN CONNECTION. HUGH W. SANFORD, Knoxville, Tenn. Filed June 8, 1922. Serial No. 566,790. 9 Claims. (Cl. 284-4.)

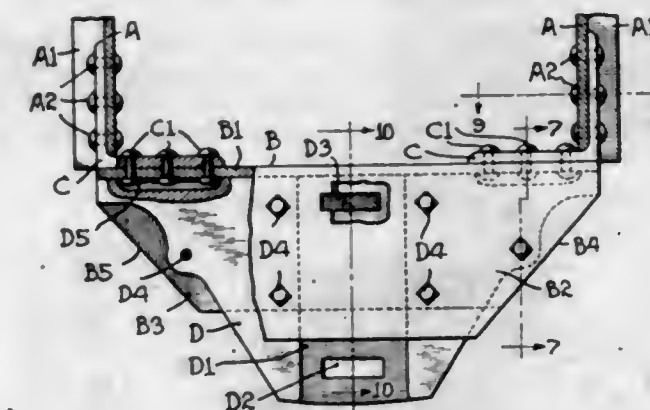
1. In a grease gun connection, the combination of a tubular body, means for engaging said body relative to a grease receiving member, a nozzle located in said body and movable endwise by grease pressure to bear against the receiving member and having near its rear end an

admission port, a port-covering member adapted to be moved from said port by grease pressure after the nozzle



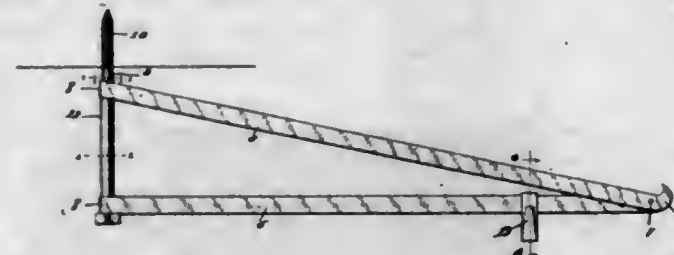
has been moved forward into and held in its seating position, and a spring tending to press said port-covering member over said port, substantially as described.

1,511,371. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Original application filed Aug. 31, 1923, Serial No. 660,416, now Patent No. 1,486,547, dated Mar. 11, 1924. Divided and this application filed Mar. 10, 1924. Serial No. 698,222. 12 Claims. (Cl. 105-364.)



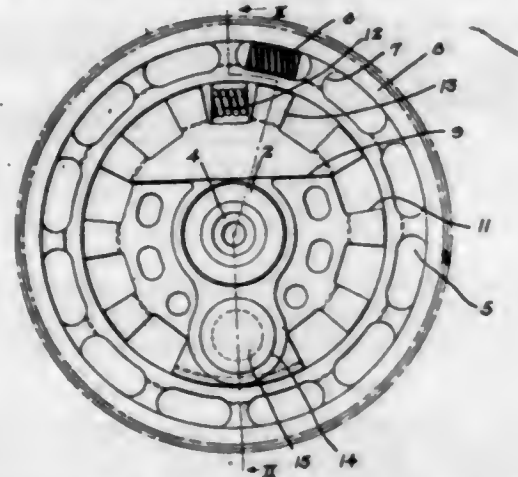
1. In a railway-car, the combination with side sills and corner pieces, of a plate metal end sill member formed to present a continuous and upright back face to the corner members and to present upper and lower horizontal flanges free from each other and extending from end to end of the sill, and a filling member located between said flanges and having the socket or chamber adapted to receive a draw bar, substantially as described.

1,511,372. BRACKET. ALFRED SEMM, Port Jefferson Station, N. Y. Filed Oct. 13, 1922. Serial No. 594,274. 1 Claim. (Cl. 248-20.)



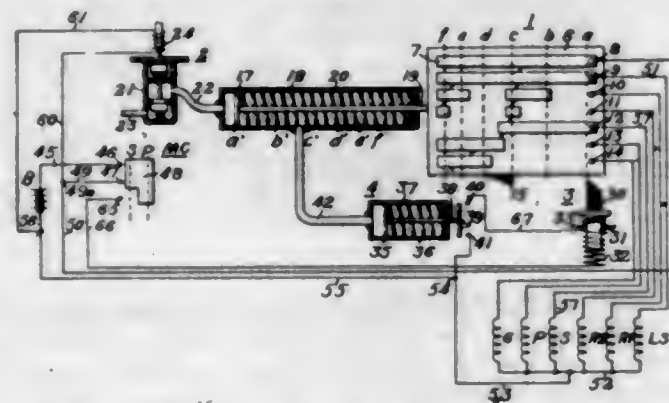
In a bracket, a pair of arms pivotally connected at their outer ends, a bolt including a head adapted to be secured to a supporting member and disposed in a vertical plane, a sleeve mounted on said bolt, the free ends of said arms being bent to embrace portions of the bolt and adapted to engage the ends of the sleeve to hold the arms in spaced relation, one of said arms resting on the head of the bolt to support the arms and permit them to move in a horizontal plane, and a hook member formed at the outer end of one of the arms.

1,511,373. RESILIENT CENTER FOR FLEXIBLE GEARS. VICTOR J. SHEPARD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 17, 1922. Serial No. 544,518. 8 Claims. (Cl. 74-29.)



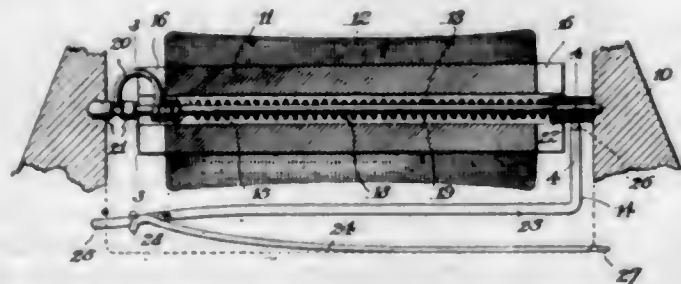
1. A flexible gear wheel comprising a central hub support, a gear rim, and a floating intermediate support, said hub, rim and intermediate support being yieldingly connected.

1,511,374. CONTROL APPARATUS. KARL A. SIMMONS, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 3, 1919. Serial No. 342,118. 16 Claims. (Cl. 172-179.)



15. The combination with a multi-position fluid-pressure-operated device, of means for selectively actuating said device to a given position or to a more remote position if the degree of fluid-pressure available exceeds a predetermined value, and means for adjusting the rate of admission of fluid-pressure to said device to correspondingly vary the operating period of the device.

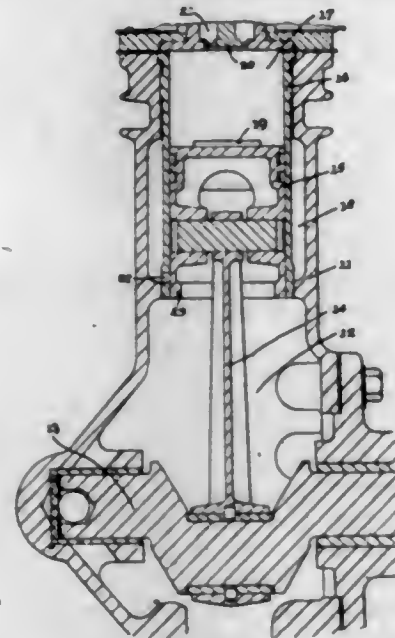
1,511,375. BOW-SHUTTLE SPINDLE. WILLIAM SIMMONS, New York, N. Y. Filed Nov. 25, 1922. Serial No. 603,253. 3 Claims. (Cl. 139-200.)



1. A frame having a thread guide, a pin carried by said frame, a spool of thread rotatably supported in the frame for the unwinding of the thread with the lead thereof passing through said guide, a torsional spring surrounding said pin and having one end thereof connected to a member extending laterally from the pin, the said spool having a kerf for the reception of said

member, a friction ring surrounding said pin and connected to said torsional spring, and a pressure member in contact with said friction ring.

1,511,376. COMPRESSOR. CHARLES C. SPRENN, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 17, 1923. Serial No. 669,142. 5 Claims. (Cl. 230-27.)



1. A compressor comprising a crank case chamber and an inlet chamber connected by means of a duct adapted to permit foreign matter such as oil to pass from said inlet chamber to said crank case chamber, and comprising means arranged to maintain said duct closed whenever said inlet chamber is connected to the compression chamber of said compressor.

1,511,377. AWNING FIXTURE. WILLIAM STEINBREDER, St. Louis, Mo., assignor of one-half to Beehler Steel Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 13, 1923. Serial No. 612,536. 1 Claim. (Cl. 24-129.)

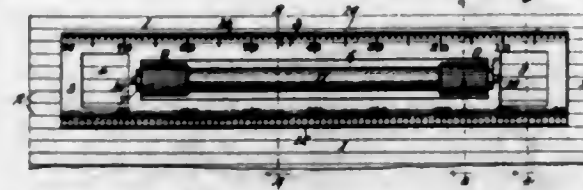


A rope-receiving fixture for awnings comprising a flat body portion and a pair of oppositely disposed curved arms, said body portion being provided with a plurality of apertures adapted to receive fastening devices, and an annular strengthening rib surrounding each of said apertures, said arms being dished in cross section whereby the rigidity thereof is increased.

1,511,378. PARALLEL RULER. VICTOR A. STROM, Alameda, Calif. Filed Feb. 12, 1921. Serial No. 444,355. 2 Claims. (Cl. 33-109.)

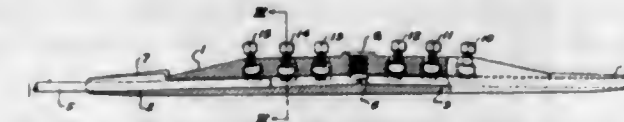
1. A parallel ruler, comprising in combination, a cylindrical concave plate on its under side having a longitudinally central opening and lateral graduated edges, said edges being both adapted to slide flat upon a sheet of typewriting paper and forming holding means for

said paper, one of said edges beveled forming thereby a cutting device and the other edge upturned, forming



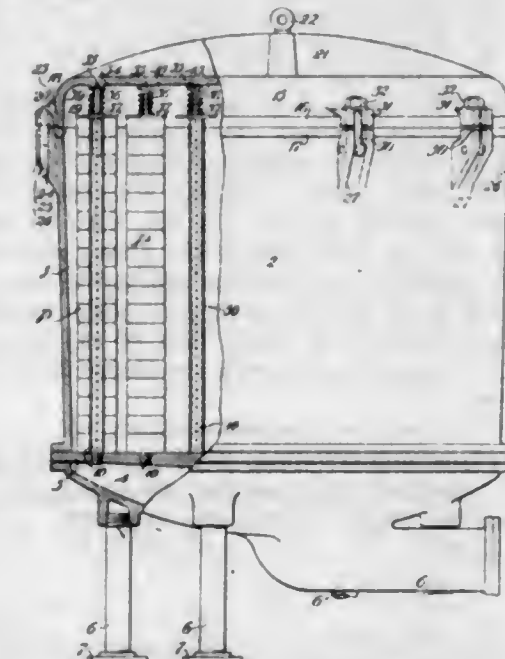
guiding ruling means, a roller projecting through said central opening and means for movably holding said roller in said opening.

1,511,379. WIRE-RETAINING DEVICE. PAUL G. SWARS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 5, 1923. Serial No. 622,743. 13 Claims. (Cl. 191-44.1.)



1. In a wire-retaining device, the combination with a body member provided with an opening to receive a wire and with a second opening having a shoulder therein, of an adjustable member adapted to wedge between said wire and said shoulder.

1,511,380. DYEING APPARATUS. WILLIAM A. TRAVER, Providence, R. I., assignor to Franklin Process Company, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 6, 1923. Serial No. 673,047. 12 Claims. (Cl. 8-18.)



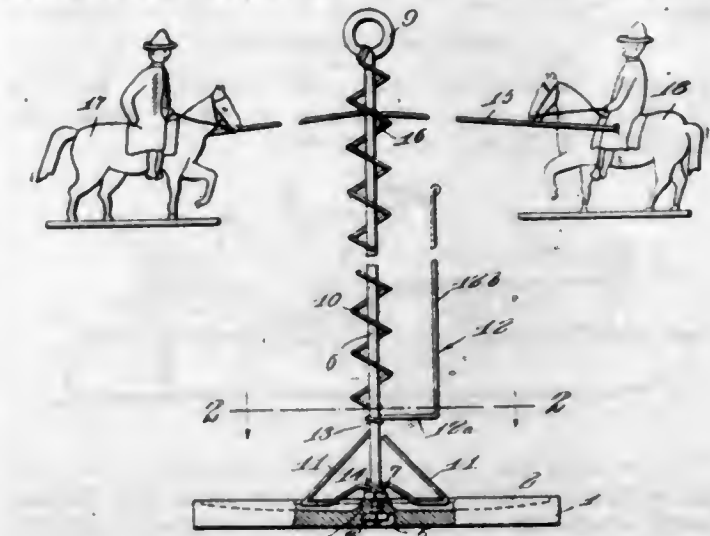
11. In an apparatus of the type specified, the combination of a kler, a plurality of vertical standpipes in the kler adapted to hold yarn-packages in stacked relation thereon, a cover for the kler, resiliently-operated compression-means carried by the cover to adapt them to bear against the end packages on the standpipes, and sleeve-like closures for covering the portions of the standpipes not utilized for packages, said closures having end-flanges to bear against the topmost packages on the standpipes.

1,511,381. COMBINED GAME AND TOY. MINOR EUGENE TYNES, New Orleans, La. Filed Feb. 1, 1924. Serial No. 689,953. 3 Claims. (Cl. 46-57.)

1. A base board having pockets, a standard rising therefrom, a member rotatable on said standard and having wings extending over said board adjacent thereto, a

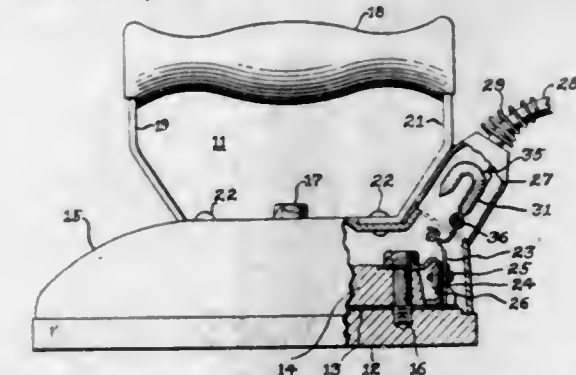
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rotatable gravity member adapted to travel on said standard, and means carried by said first mentioned



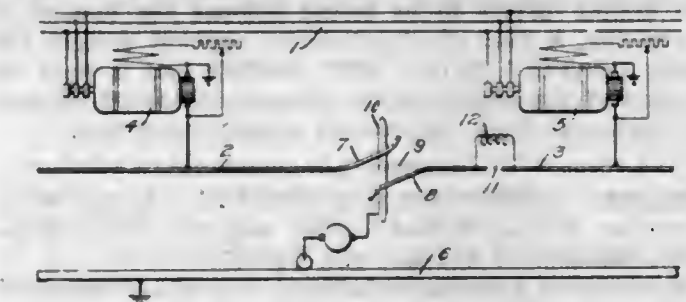
rotatable member and extending into the path of said gravity member and adapted to be engaged and rotated thereby.

1,511,382. FLUID CIRCUIT INTERRUPTER. DAYTON ULREY and DANIEL I. MAYNE, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1922. Serial No. 574,019. 3 Claims. (Cl. 219-25.)



1. In an electrically heated device, in combination, a heating means and means for controlling the circuit of said heating means, said controlling means comprising a closed elongated evacuated tube, a column of conducting fluid therein, a plurality of contact terminals normally operatively engaging said fluid column, only one end of said tube and fluid column being in heat-receiving relation to said heating means whereby a portion of said fluid column adjacent said end is volatilized upon the occurrence of a predetermined temperature in said heating element, and embodying means in said tube adjacent said end for causing said volatilized fluid to break said fluid column intermediate its ends at a predetermined point.

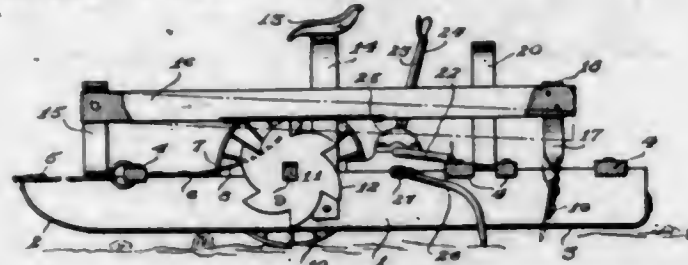
1,511,383. TROLLEY-CONDUCTOR DEVICE. CHARLES F. WAGNER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1921. Serial No. 499,298. 8 Claims. (Cl. 191-6.)



1. A trolley-conductor system comprising spaced sections adapted to be simultaneously engaged by a passing current collector and means for preventing the imposition

of effects from one section to another during the engagement of said collector with a plurality of said sections.

1,511,384. AGRICULTURAL IMPLEMENT. WILLIAM O. WEBB, Ira, Tex. Filed May 5, 1922. Serial No. 558,622. 1 Claim. (Cl. 55-63.)



The combination of a portable supporting frame, an arch secured on said frame near the front end thereof, a lever pivoted at its front end within said arch and disposed longitudinally of the supporting frame, a transverse knife carried by the rear end of said lever, vertical guides on the frame near the rear end thereof engaging opposite sides of the lever to prevent lateral movement thereof, and a multiple cam mounted upon the frame below the lever and adapted to engage the under side thereof to oscillate the same.

1,511,385. UNDERREAMER. WILLIAM R. WILBER, Thermopolis, Wyo. Filed May 17, 1923. Serial No. 639,545. 2 Claims. (Cl. 255-76.)

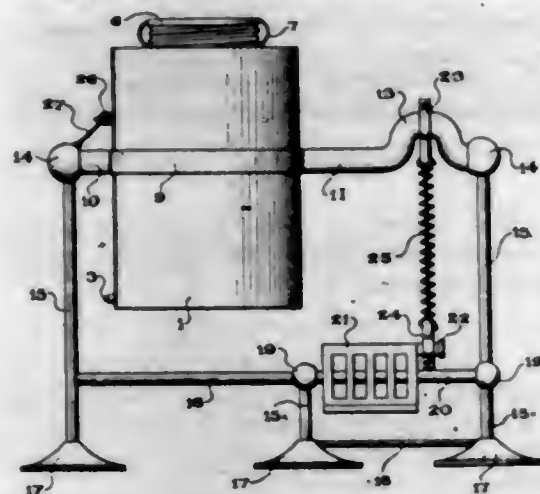


1. An under-reamer comprising a body member having an axial opening; a locking device in said opening, said device having a portion of reduced diameter; a spring surrounding said reduced portion; a key slot in the body member and in the locking device; a key passing through said slot and forming an abutment for the spring; a second key slot in said locking device; a key slot in the body member, a key passing through said slots; a sliding member on each side of the body member, said sliding members engaging the ends of the last named key and adapted to move the same and to cause the locking device to be moved against the tension of the spring, a pair of diametrically opposed cutters pivotally connected to the body member and a head on the end of the locking device adapted to engage between the cutters to hold the same in operative position.

1,511,386. RECEPTACLE ACTUATOR. KATIE WILDBERGER, Menno, S. Dak. Filed Aug. 25, 1922. Serial No. 534,208. 1 Claim. (Cl. 74-17.)

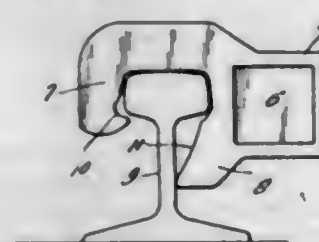
A receptacle actuator including a pair of end standards having supporting feet, a rotary work carrying member having shaft portions extending in aligned relation therefrom, one of said shaft portions being formed with a crank, and the ends of said shaft portions being jour-

naled in the upper end of the standards, a brace member connecting said standards having a section adapted for oscillating movement, a treadle mounted on said



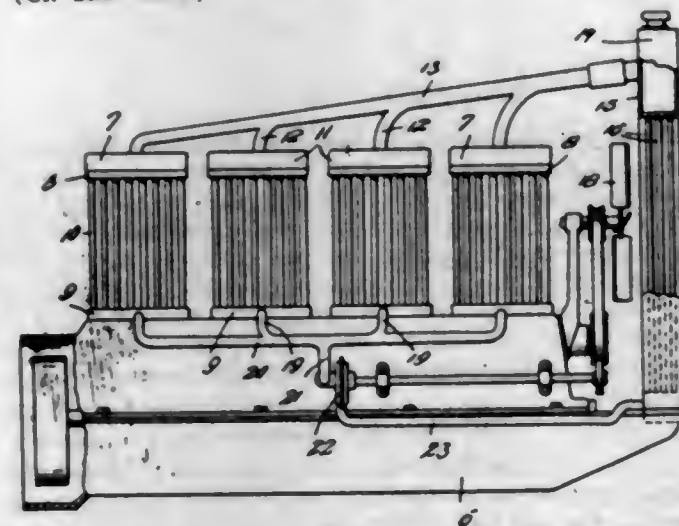
oscillating section, and a connection between the treadle and crank for rotating the crank and work carrying member in the oscillation of the treadle.

1,511,387. RAILWAY-TIE SHIFTER. GEORGE W. WILLIAMS, Elm City, N. C. Filed Oct. 11, 1923. Serial No. 667,875. 4 Claims. (Cl. 254-43.)



1. In a railway tie shifting device, a rail clamp including a body member having rigid inner and outer jaws upon one end thereof and adapted to form an abutment for a jack, the outer jaw being of angular form so as to extend across the top and extend downwardly along one side of the ball of the rail, the downwardly extending portion of said outer jaw being provided with an arcuate recess in the lower portion thereof adapted to engage adjacent lower corner portions of the ball of the rail to provide a fulcrum about which the clamp may be bodily tilted in applying or removing the latter, said inner jaw depending below and extending inwardly toward the outer jaw and having the inner face of the lower portion thereof of arcuate form with its center of curvature at said fulcrum.

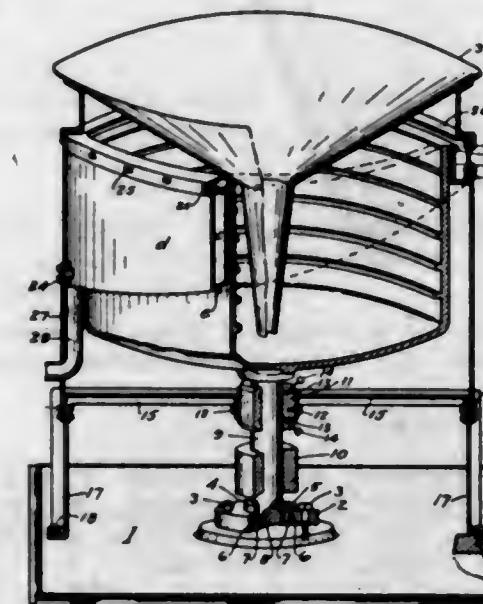
1,511,388. COOLING SYSTEM FOR COMBUSTION ENGINES. HENRY G. ZSCHORN, Frankenmuth, Mich. Filed June 9, 1923. Serial No. 644,426. 1 Claim. (Cl. 123-173.)



In combination with an engine cylinder and a fan arranged to direct a blast of air upon the cylinder, a cooling system comprising columns arranged at the op-

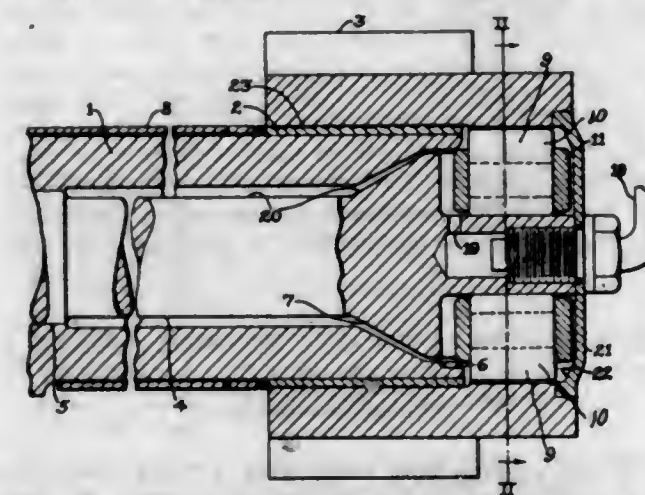
posite side of the fan from the cylinder and spaced from each other, the fan being adapted to draw blasts of air between the columns, spaced pipes arranged about the cylinder and disposed in the path of the blast from the fan, a pipe connecting the columns with the pipes disposed about the cylinder, a pump connected with the pipes disposed about the cylinder and connected with the columns, and means for operating the pump from the fan whereby the movement of liquid through the columns and pipes will be at a rate of speed in proportionate relation to the speed of rotation of the fan.

1,511,389. CENTRIFUGAL AMALGAMATOR. HAROLD N. BANKS and GEORGE E. BANKS, Everett, Wash. Filed Apr. 27, 1923. Serial No. 635,154. 1 Claim. (Cl. 83-67.)



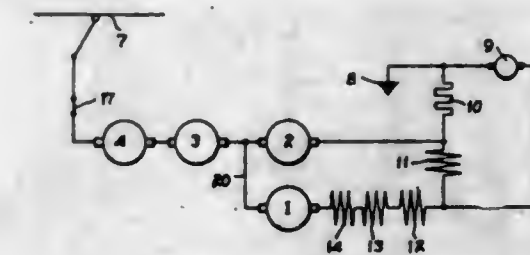
A rotatable bowl cast in aluminum, provided with saucer bottom, perpendicular sides and open top and rigid, square-cornered riffls, projecting inward at right-angles to the inner sides of the bowl said riffls projecting in different measurements of projection to form a slight, slanting outward and upward formation, the measurement between the opposite side of upper riffl being greater than the measurement between the opposite side of lower riffl across the diameter of the bowl, a rim around and on top of the bowl, projecting inwardly to furnish a narrow riffl and projecting outward to afford easy outward flow of the waste matter into a discharge pipe or trough.

1,511,390. FLEXIBLE SHAFT. CLAUDE BETHEL, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 22, 1922. Serial No. 570,047. 9 Claims. (Cl. 64-96.)



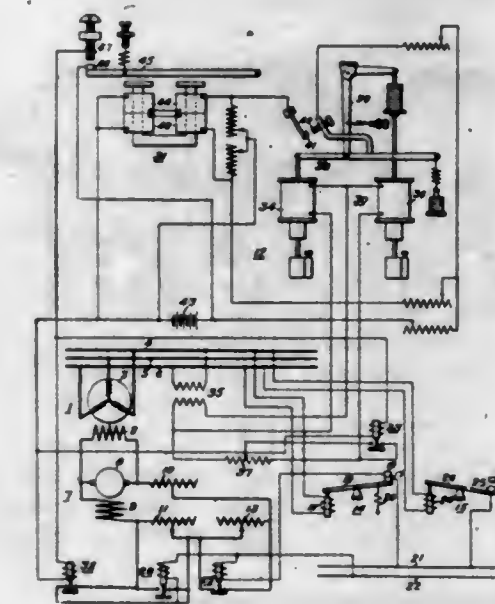
1. A flexible gear mounting comprising a hollow shaft, a shaft disposed within said hollow shaft and secured thereto at one end, and a gear rotatably mounted on said hollow shaft and yieldingly secured to the inner shaft.

1,511,391. CONTROL OF ELECTRIC MOTORS. ERIC ALTON BINNEY, Sheffield, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1923. Serial No. 612,274. 7 Claims. (Cl. 172-179.)



2. In a control system, the combination with a supply circuit, a plurality of dynamo-electric machines adapted for regenerative operation, of means for connecting one of said machines to excite the remainder and to also be self-exciting, and means comprising a source of energy other than said supply circuit for varying the excitation of said exciting machine.

1,511,392. VOLTAGE-REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 23, 1919. Serial No. 299,176. 9 Claims. (Cl. 171-229.)

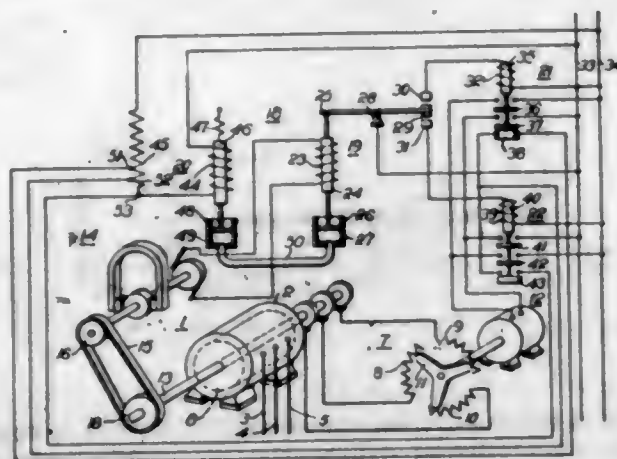


1. In a regulator system, the combination with a supply circuit, of means comprising an exciter generator and a regulator for controlling the exciter generator to maintain the supply-circuit voltage substantially constant, resistance means in circuit with said exciter, and means adapted to selectively control the value thereof in the event of abnormal and subnormal voltage conditions on the supply circuit.

1,511,393. SPEED-REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1919. Serial No. 319,908. 8 Claims. (Cl. 171-119.)

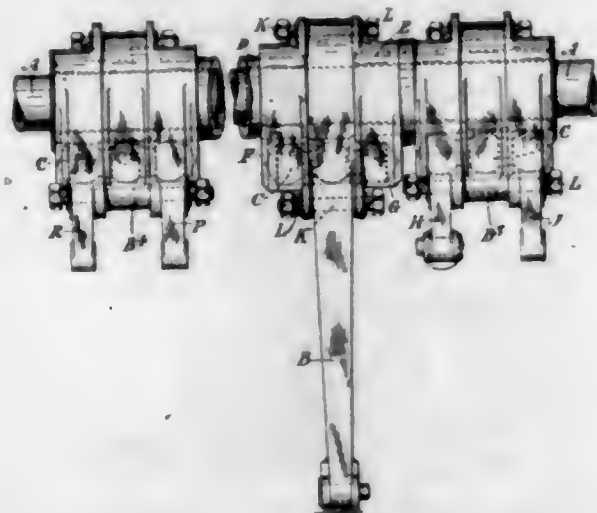
1. In a speed-regulator system, the combination with an induction motor having a stator and a rotor winding, a dynamo-electric machine operated in accordance with the speed of said motor, and a main magnet operated by said machine, of an auxiliary magnet having a mechanical connection to said main magnet, and means

controlled by said main magnet for varying the resistance of said rotor winding to maintain the speed of the



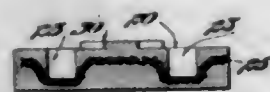
motor substantially constant and for controlling the auxiliary magnet to react on the main magnet and prevent hunting action.

1,511,394. COMPENSATING MECHANISM FOR VEHICLE BRAKES. FREDERICK TANKER BURGESS, London, England, assignor of one-half to Bentley Motors Limited, London, England, a British Company. Filed Jan. 24, 1924. Serial No. 688,272. 2 Claims. (Cl. 188-204.)



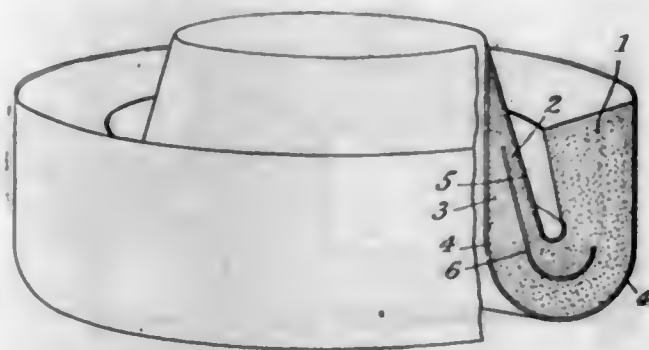
with its inclined face engaged with the vertical wall of the socket, and means for releasably securing the shank in the socket.

1,511,396. DRIVING BELT. RALPH P. CHAMPNEY, Worcester, and F. ROBINS MITCHELL, Weston, Mass. Filed Nov. 4, 1921. Serial No. 512,712. Renewed Mar. 14, 1924. 5 Claims. (Cl. 74-64.)



1. A driving belt comprising metal links, pivot pins projecting from the metal links, friction links alternating with the metal links, the friction links consisting of two molded rubber blocks of like form, each having pivot pin apertures formed therein and a spacing projection extending from the inner face and a reinforcement embedded in the block and extending about the pivot pin apertures.

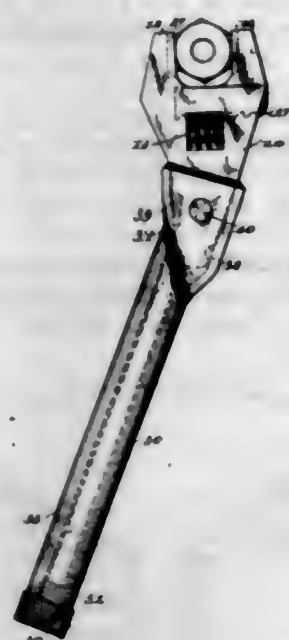
1,511,397. PACKING FOR PISTON RODS. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville, Incorporated, a Corporation of New York. Filed Apr. 4, 1922. Serial No. 549,629. 2 Claims. (Cl. 288-1.)



1. A rod packing ring comprising a thick heel-portion and a tapered lip-portion connected together by a portion of approximately 180 degrees curvature, said ring being made of a solid, molded homogeneous mass in which is embedded a sheet of textile fabric extending around the above mentioned curved portion.

1,511,395. WRENCH. KEITH CANAN, Marion, Ind. Filed May 26, 1923. Serial No. 641,625. 1 Claim. (Cl. 81-177.)

In a wrench, a wrench head having a shank provided with a vertical face and an inclined face and a handle having a socket provided with a vertical wall and an inclined wall, the shank being adapted to be fitted in the socket with its vertical face engaged with the vertical wall of the socket and with its inclined face engaged

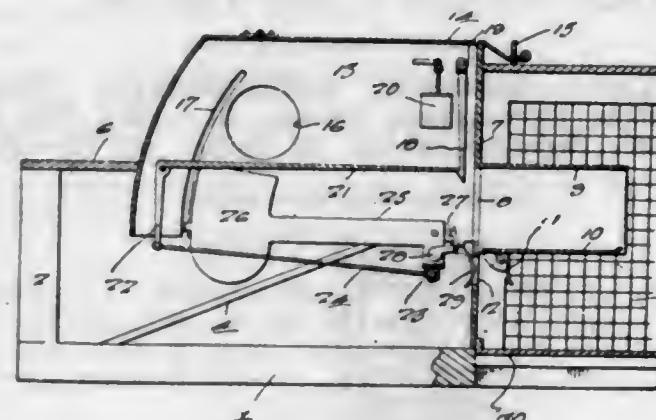


1,511,398. PHONOGRAPH NEEDLE. NOBLE S. CLAY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 11, 1919. Serial No. 337,168. 6 Claims. (Cl. 274-38.)



1. A phonograph needle comprising layers of fibrous material impregnated with a hardened binder.

1,511,399. TRAP. JOHN J. CULEK, Council Bluffs, Iowa. Filed Feb. 29, 1924. Serial No. 695,950. 3 Claims. (Cl. 43-76.)

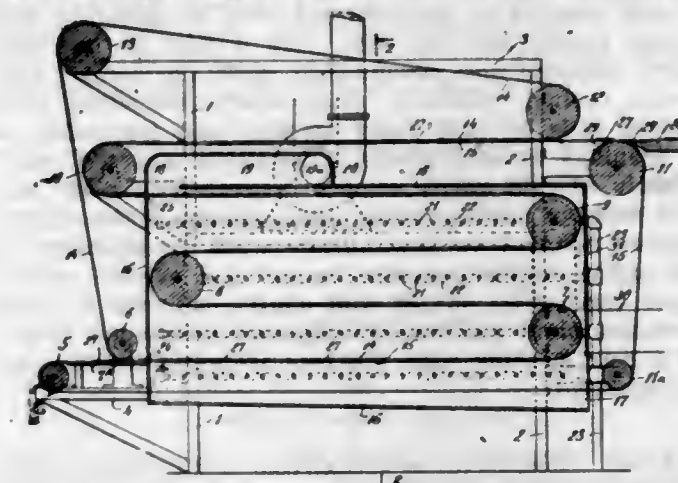


1. A trap structure comprising a base frame, a vestibule mounted thereon, a cage mounted thereon, a hood connected with the cage and having its interior communicating with the interior of the cage through an opening provided in the partition-wall between the vestibule and the cage, a panel pivotally mounted in the cage at the lower edge of said opening, a panel pivoted in the hood, a hook pivoted in the hood and engageable with the free edge of the panel, a bait receptacle located under the hood and hanging pendent and at the side of the shank of the hook, a yoke pivoted in the hood, plates connected with the yoke, the sides of the hood being provided with openings over which the said plates may move, means operatively connecting the panel in the hood with the said yoke, a second hook located in the hood and having an arm located in the path of movement of the lug carried by the first mentioned panel, the second mentioned hook adapted to engage over the free end edge of the second mentioned panel when the said panel is swung from a horizontal to an inclined position.

1,511,400. PROCESS AND APPARATUS FOR DRYING VENEER. ALEXANDER LYSAGHT DALY, Stapleton, N. Y. Filed Jan. 3, 1920. Serial No. 349,253. 9 Claims. (Cl. 34-12.)

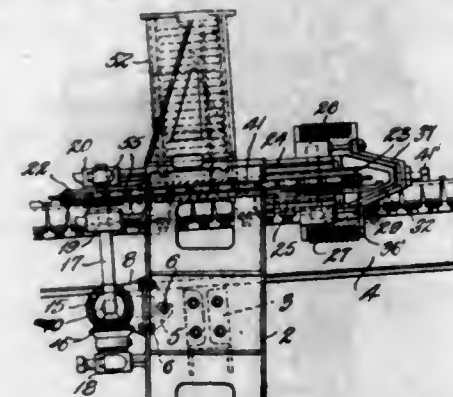
7. The method of drying veneer which comprises moving the sheets in edgewise relation through a drying compartment and, during such movement, causing the sheets to pass from one side of the compartment to the other and to traverse a curving path in reversing the direction of this side to side movement, the sheets

being maintained at all times with their grain substantially at right angles to the direction of their progress



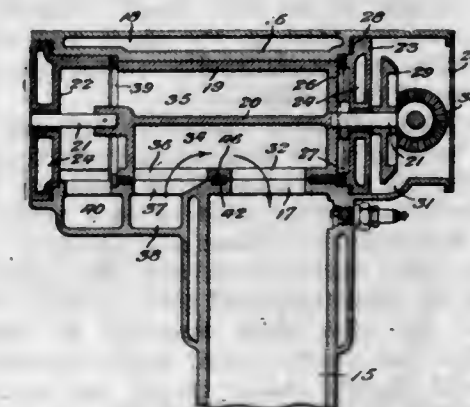
through the compartment whereby the sheets may be bent at each change of direction without liability of breaking.

1,511,401. FEEDING MECHANISM. LEWIS K. DAVIS, Chevy Chase, Md., assignor to Vaughn Camp, Norfolk, Va. Filed May 16, 1921. Serial No. 470,060. 18 Claims. (Cl. 198-29.)



1. In a device of the character described, the combination with the frame of a machine, a conveyor to travel over the same and a nearby chute for reinforcing strips, of means on each side of the conveyor adapted to so position the strips as they leave the chute that they will fall in a straight line across the conveyor.

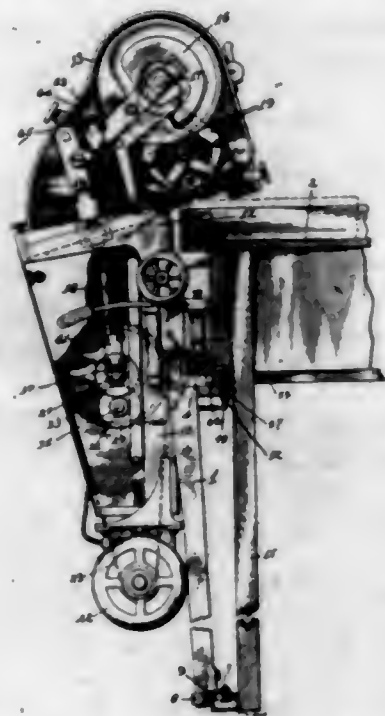
1,511,402. ROTARY VALVE. GEORGE I. DES CHAMPS, Lewiston, Idaho. Filed Apr. 17, 1920. Serial No. 374,654. 1 Claim. (Cl. 123-190.)



A rotary valve for internal combustion engines, comprising a horizontal casing having a cylindrical bore and provided with intake and exhaust ports, said casing having water chambers in communication with the water jacket of said engine, and having a port in communication with the cylinder of said engine, spaced plates secured to the inner walls of said casing, having water chambers formed therein in communication with the water chambers in said casing, and provided with aligned

openings, a hollow rotary valve member located in said casing spaced from one of said plates, having a port in one end adapted to communicate with the exhaust port of said casing and provided with a port in one side thereof adapted to communicate with the intake port of said casing, relatively short shafts extending from opposite ends of said valve member and journaled in the openings in said plates, a partition disposed longitudinally in said valve member between said port, said valve member having ports upon opposite sides of said partition adapted to communicate with the cylinders of said engine, a plate secured to one end of said casing, a gear carried by one of said shafts, between the last mentioned plate and one of the first mentioned plates, and a gear meshing with the gear aforesaid for the purpose specified.

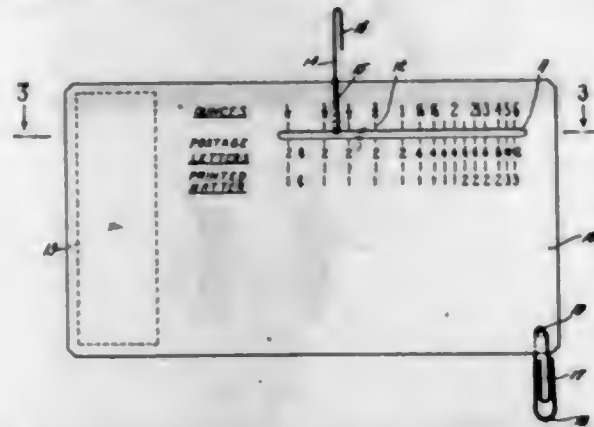
1,511,403. DRIVING MECHANISM FOR MATTRESS-STITCHING MACHINES. JOSEPH W. DROLL, Chicago, Ill., assignor to Droll Patents Corporation of Delaware, a Corporation of Delaware. Filed July 18, 1922. Serial No. 575,814. 17 Claims. (Cl. 112-3.)



1. In a mattress stitching machine adapted for movement along the edge of a work supporting table; a drive shaft; a motor connected to said drive shaft; a cam; and a connecting shaft connected between the drive shaft and the cam, said connecting shaft being adapted for pivotal and slidable movement to permit adjustment of the cam relative to the drive shaft; a meshing gear and rack connected between the shaft and the work supporting table for intermittently moving the machine along the edge of said table.

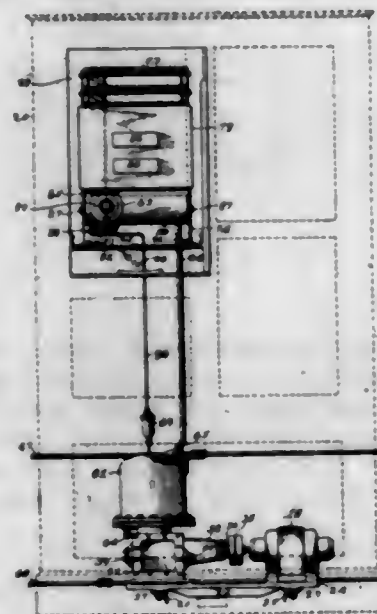
13. A mattress stitching machine including a cam arranged to actuate a roll forming and stitching mechanism, said machine being adapted for mounting upon the edge of a work supporting table; a rack secured along the edge of the table; a segment gear pivotally mounted adjacent the cam; means connecting the segment gear and the cam for oscillating said gear; a shaft connected at its lower end with gears arranged to engage the rack upon the edge of the table; gears connected upon the upper end of the shaft; means for moving said upper gears into engagement with the segment gear during a movement thereof in one direction and out of engagement during the return movement in the opposite direction whereby the machine is intermittently moved along the edge of the table; and means arranged to engage the said upper gears when moved out of engagement with the segment gear to prevent further rotation thereof thereby locking the machine against further movement along the edge of the table during said return movement of the segment gear.

1,511,404. WEIGHING SCALE. GUSTAV FIEDLER, New York, N. Y., assignor to G. M. Fiedler Mfg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 4, 1923. Serial No. 610,647. 1 Claim. (Cl. 265-34.)



A weighing scale comprising a support, a steelyard longitudinally shiftable thereon having a graduated scale of weights in operative relation to said support, a counterpoise attached to said steelyard adjacent one of its ends, and a load holder fixed to the other end of said steelyard, said steelyard being in the form of a sheet of rigid material and said counterpoise comprising a flat weight upon one of the faces of said sheet.

1,511,405. DOMESTIC REFRIGERATING UNIT. JULIUS FRANKENBERG, Chicago, Ill. Filed July 1, 1920. Serial No. 393,390. 21 Claims. (Cl. 62-116.)



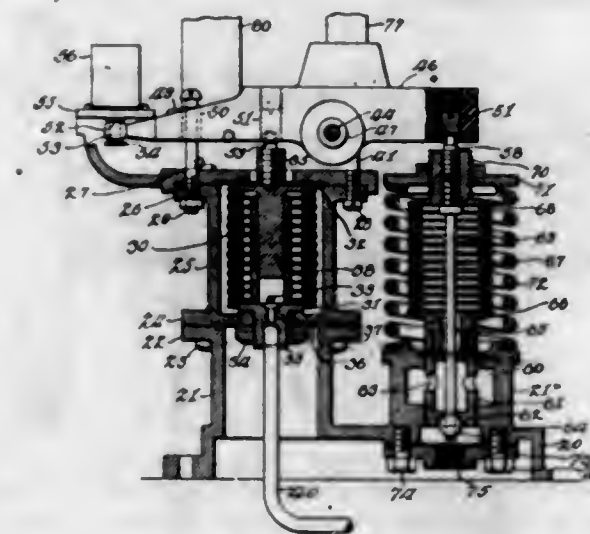
4. A device of the character described, including in combination with a motor driven refrigerating apparatus, a box encompassing the same, said box having the usual ice receiving compartment and food receiving compartments of the domestic type of such boxes and provided in its lower portion with an additional compartment for the reception of a portion of said apparatus, said lower compartment being bottomless and having at least one air inlet opening in its lower portion and an air outlet opening in the upper portion of its rear wall, said usual ice receiving compartment adapted for the reception of parts of said apparatus, said box having at its sides rearward vertical extensions adapted to contact at their free edges with the vertical wall against which the box is to be placed, thereby forming a vertically disposed flue for the passage of natural air currents from said additional compartment and a roomy space for the reception of pipe connections uniting the parts of the apparatus to be located in the said additional compartment and those to be located in said usual ice receiving compartment as well as the water headers and other parts of the apparatus.

12. In a device of the character described, the combination with a refrigerator box having therein a cooling compartment or chamber with a doorway leading therefrom, a base plate located near the bottom of said chamber and about level with the sill of the doorway, an open top freezing box located in said chamber, an expansion coil located in said freezing box but having a portion thereof extended above the top of said box, upright supports for said freezing box and the expansion coil carried thereby detachably mounted on said base plate whereby the bottom of the freezing box will be located a suitable distance above said plate.

17. In a device of the character described, the combination with a fluid gas compressor having at the top thereof an annular flange, an inner shell mounted above said flange, an outer shell mounted on said flange and enclosing the inner one, said outer shell having its upper end closed and located near the upper end of the inner shell to form an oil separator, a water coil interposed between the inner and outer shells and in close proximity thereto, a discharge hood mounted on the compressor cylinder, a closure between the top of the hood and the inner shell at a distance below the top edge of said shell, said hood provided with a vertically disposed pocket below said closure to form an oil trap, and a drain pipe extended through an opening in said closure and into said pocket.

19. In a device of the character described, the combination with a motor driven compressor, of a suitably supported top feed expansion coil, an accumulator mounted below said coil, a pipe leading from the bottom of said coil and extended into the accumulator near one end thereof to a point near its top wall, and another pipe leading from the compressor and extended into the accumulator near the other end thereof to a predetermined height but below the end of the first named pipe.

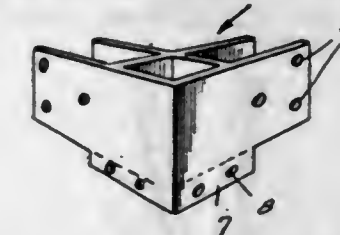
1,511,406. AUTOMATIC PRESSURE-CONTROLLING APPARATUS. JULIUS FRANKENBERG, Chicago, Ill. Filed Sept. 1, 1920. Serial No. 407,472. 7 Claims. (Cl. 62-4.)



1. In a device of the class described, the combination of a pressure diaphragm of the bellows type fixedly supported at one of its ends and at its other end free to move in the direction of its axis, said diaphragm being subject to the pressure of a condenser, with a water valve casing mounted near said diaphragm and having an inlet and an outlet, a hollow valve body located in said casing in communication therewith and provided with a valve seat, a diaphragm of the bellows type fixed at one end to and in communication with said body, the other end of the last named diaphragm being free to move in the direction of its axis and having an axial extension thereon, a valve rod carried by the movable end of the last named diaphragm and provided with a valve to co-act with said valve seat, a member adjustably mounted on said axial extension, a helical spring

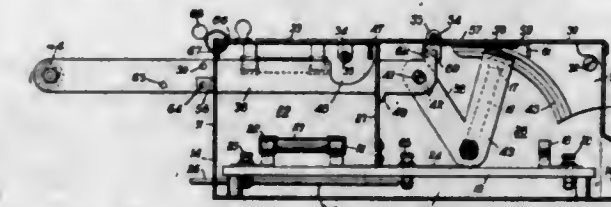
interposed between said member and the valve casing, a lever transversely disposed with respect to said diaphragms and fulcrumed between the axes thereof near their movable ends, connections uniting the diaphragms and lever on opposite sides of its fulcrum, and an electric switch operatively engaged by said lever.

1,511,407. TRUCK ATTACHMENT. WILLIAM E. KRIER, Williamsport, Pa., assignor of one-fourth to Edward H. Jones, Williamsport, Pa. Filed Jan. 24, 1924. Serial No. 688,193. 1 Claim. (Cl. 296-30.)



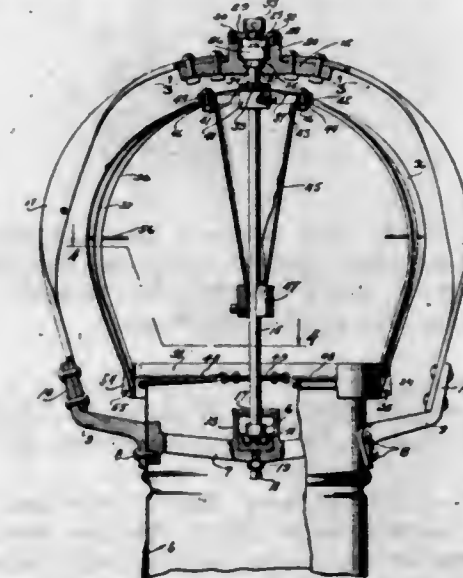
A corner bracket for a truck attachment comprising a body having a rectangular corner portion which is open from end to end and provided at the lower portions of its outer sides with angularly disposed flanges which merge with each other at the corner of the said portions, the said corner portion being provided at its inner side with spaced parallel flanges, there being a bottom wall flush with the lower end of the corner portion which bridges the space between the last mentioned flanges.

1,511,408. SWITCH MECHANISM. LAWRENCE F. KRIER, Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1920. Serial No. 415,076. 10 Claims. (Cl. 200-50.)



5. Switch mechanism comprising a housing having an opening, a switch therein accessible through the said opening, a cover for closing the said opening, and means carried by the cover and interlocking with the said switch when the latter is in open position for preventing opening movement of the cover.

1,511,409. VENTILATING DEVICE. EDWARD J. KRUEGER, Milwaukee, Wis. Filed May 14, 1921. Serial No. 469,424. 3 Claims. (Cl. 98-2.)



1. In a device of the class described, a journaled shaft, a disc member adjustably secured to the upper portion

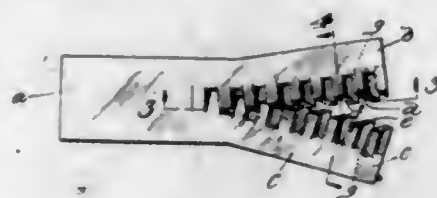
of said shaft and having spaced openings therein near its periphery, a ring, apertured lugs on the inner periphery of the ring in register with the openings of said disc member, a cone member having its lower end adjustably secured to said shaft and its upper end struck laterally and having openings therein registering with the openings of said disc member and ring lugs, fastening means engageable in the registered openings, and vanes suspended from said ring.

1,511,410. CURLING IRON. ALBERT J. LARM, Hagerstown, Md. Filed July 3, 1924. Serial No. 724,061. 2 Claims. (Cl. 132-37.)



1. In a curling iron, a pair of plier connected members having handle ends and operating ends, the operating end of one of said members having a groove receiving the other of the members, the other operating end being formed in two separable sections, one of which is provided with a longitudinally extending bore and has formed in its side wall radially directed openings, a bar of heat retaining material freely mounted within said section and removable therefrom upon separation of the sections.

1,511,411. WELT. HARRY LYON, Brockton, Mass., assignor to John A. Barbour and Percy E. Barbour, doing business as Barbour Weltling Company, Brockton, Mass. Filed Aug. 27, 1921. Serial No. 495,887. 5 Claims. (Cl. 36-78.)

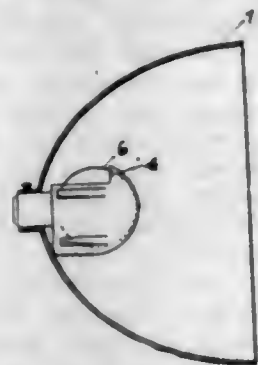


1. A welt of the type having a series of tongues and intermediate notches arranged along one edge, the intermediate sides of which tongues are beveled, and said tongues having also beveled end faces.

1,511,412. GLARESHIELD. WILLIAM D. LYON, Akron, Ohio. Filed July 15, 1922. Serial No. 575,249. 5 Claims. (Cl. 240-48.6.)

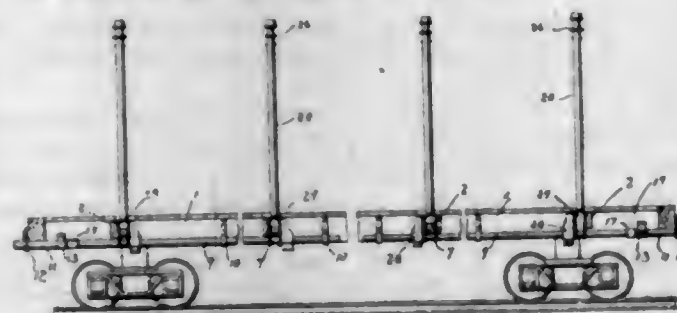
1. A glare shield for head lights, comprising a cylindrical cup adapted to be fitted over an electric light bulb, the cup having a hemi-spherical end wall provided with a centrally positioned opening for the reception of the tip of the bulb, fingers struck from the wall of said cup, said fingers extending rearwardly and being curved

inwardly to engage the bulb to retain the cup thereon, the wall of said cup provided on the upper side thereof



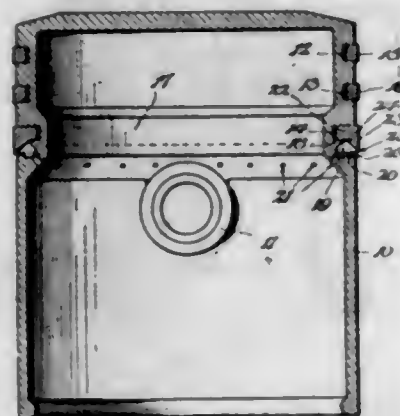
with an opening which extends therein from the inner end thereof to a point in spaced relation to the forward wall thereof.

1,511,413. CAR STAKE. THOMAS WILLIAM MCADLEY, Toronto, Ontario, Canada. Filed Sept. 22, 1923. Serial No. 664,194. 3 Claims. (Cl. 105-383.)



1. The combination with a flat car, of stake receiving socket members secured to the sides thereof, said socket members open on their outer sides, upwardly extending stakes having their lower ends inserted into the socket members, stake releasing means normally closing the open side of each socket member and means for preventing the vertical displacement of the stakes from the socket members upon the stake releasing means being in the engaged position.

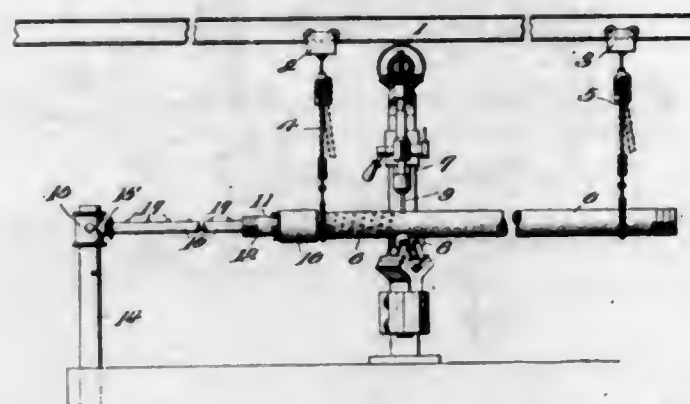
1,511,414. PISTON. DAVID FRANK MCCLINTOCK, Jackson, Tenn. Filed Apr. 18, 1922. Serial No. 554,982. 1 Claim. (Cl. 74-109.)



In a piston, the combination of a shell formed at its outer side with a ring groove and below the ring groove with a cylindrically-shaped oil groove spaced inwardly from the periphery of the shell and provided with a drain opening through the wall of the shell, the shell being formed between the mouth of said groove and the periphery of the shell with an inclined face, and a ring mounted in the ring groove and formed at its lower side with a tapered depending annular scraping flange having an inclined lower face overhanging the oil groove to confront said inclined face of the shell and form an oil passage leading upwardly from the periphery of the shell to the mouth of the oil groove, the oil groove being tilted with respect to the longitudinal axis of the shell to retain oil therein as well as to dispose the outer side

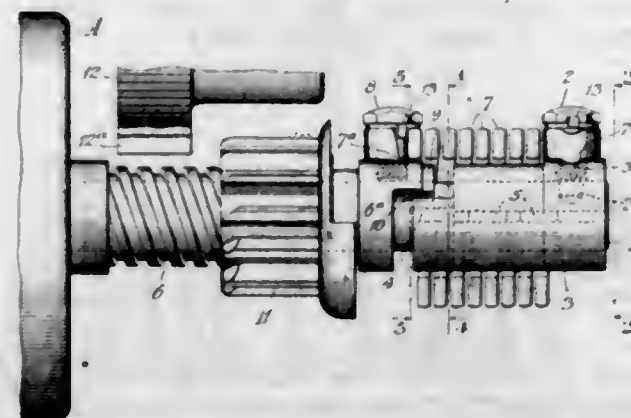
wall of the oil groove to curve upwardly toward the inclined lower face of said scraping flange away from the mouth of said oil passage whereby oil following up the inclined face of the flange and precipitated downwardly into the oil groove will be again directed by the outer wall of said oil groove upwardly against said inclined face of the flange away from the mouth of the passage, the inclined face of said scraping flange confronting the inclined face of the shell in close spaced relation whereby said passage is restricted for checking the discharge of oil therethrough.

1,511,415. WORK-FEEDING MECHANISM FOR DRILL PRESSES OR THE LIKE. JOSEPH H. McEVoy, Houston, Tex. Filed Feb. 12, 1923. Serial No. 618,642. 8 Claims. (Cl. 77-63.)



1. The combination with a drill press, of flexible means for supporting and positioning a pipe section in position to be operated on by said press and means for causing said pipe section to move longitudinally in respect to said press as said pipe section is rotated.

1,511,416. ENGINE STARTER. WILLIAM L. McGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed June 29, 1918. Serial No. 242,523. 6 Claims. (Cl. 74-7.)

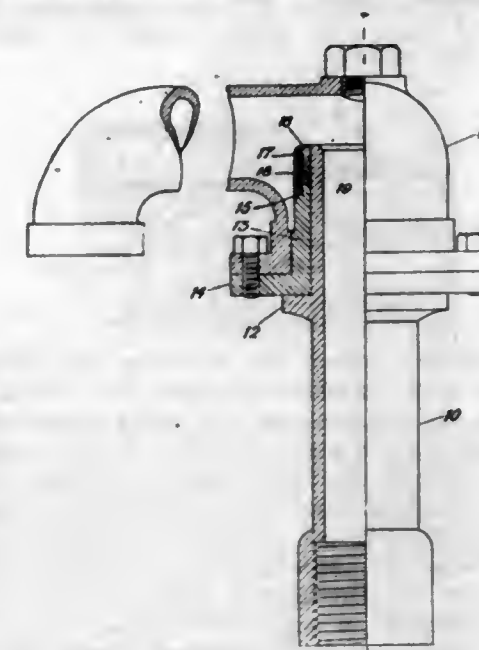


1. A drive for engine starters including a rotatable driving element and a rotatable driven element having on their adjacent ends corresponding clutch members adapted to operatively engage each other by permitting longitudinal movement of such elements which movement is independent of their rotary movement, and a coiled spring connected at its ends to said elements respectively, said elements having a limited relative rotary movement, one with respect to the other and the clutch members being normally separated longitudinally to permit of a yielding pressure and separated angularly to provide a cushioning space between them.

1,511,417. FLUID-TIGHT JOINT. ROBERT McMULLAN, Fremantle, Western Australia, Australia. Filed Sept. 27, 1921. Serial No. 503,629. 5 Claims. (Cl. 285-133.)

1. The combination with two hollow members, one extending through the other and having attached to its end a head which forms therewith a fluid tight joint,

said head and the other hollow member having circumferential meeting edges which engage each other and an

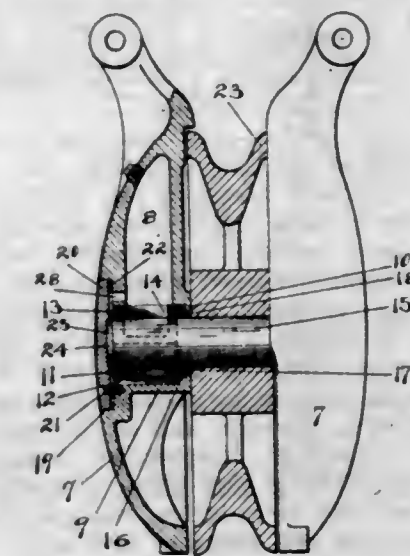


elastic band positively embracing said meeting edges and sealing the joint between them, an action which is supplemented by the pressure of the fluid, substantially as described.

1,511,418. PROCESS OF TREATING SEWAGE SLUDGE. ANGUS MACLACHLAN, Perth Amboy, N. J., assignor to MacLachlan Reduction Process Co., New York, N. Y., a Corporation of Delaware. Filed Apr. 12, 1922. Serial No. 551,939. 17 Claims. (Cl. 71-8.)

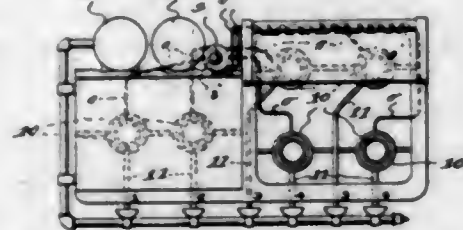
1. The method of treating activated sludge which consists in bringing the sludge into intimate contact with sulphur dioxide for a sufficient time to break down the gelatinous nature of the solid constituents of the sludge.

1,511,419. BLOCK. FREDERICK B. MALLORY, Portland, Ore. Filed Oct. 26, 1920. Serial No. 419,611. 4 Claims. (Cl. 64-26.)



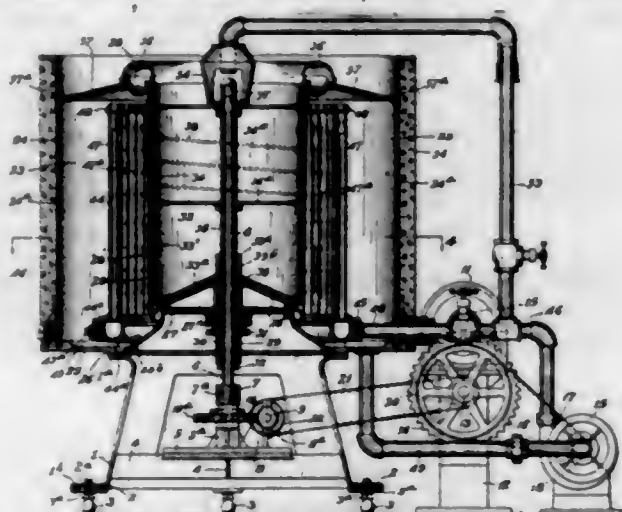
1. In a sheave block, side plates, bearings formed on said plates, each plate having a lubricant reservoir positioned substantially entirely above said bearing, and opening at its bottom directly into the bearing, a removable bushing in said bearing, said bushing having an opening registering with the opening between said reservoir and the bearing, and a sheave having journals in said bushings whereby the bushings and journals serve as bottoms for said reservoirs and there is a direct gravity feed between the reservoirs and the journals.

1,511,420. OIL STOVE. ALBERT MEADOWS and ALVIN G. SHERMAN, Detroit, Mich., assignors to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 8, 1923. Serial No. 623,620. 6 Claims. (Cl. 158-81.)



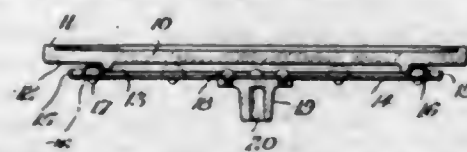
6. In a priming system for oil stoves, the combination of a storage tank, an inner invertible tank which can be supported in the storage tank and which is provided with devices to maintain a given oil level in the storage tank by feeding oil from the inner tank, a separate distributing tank in communication with the bottom of the storage tank, a plurality of distributing conduits for connecting the separate burners having communication with the interior of the distributing tank above the constant level line afforded in such distributing tank by the operation of the inner tank contained within the storage tank, and means for measuring a quantity of liquid out of the bottom of the distributing tank and lifting and selectively delivering it into any one of the distributing conduits.

1,511,421. APPARATUS FOR TREATING LIQUID. HARVEY H. MILLER, Canton, Ohio, assignor to The H. H. Miller Industries Company, Canton, Ohio, a Corporation of Ohio. Filed May 26, 1920. Serial No. 386,252. 14 Claims. (Cl. 257-111.)



5. In apparatus of the class described, the combination of a pair of cylinders arranged one within the other and co-operating to form a film space between their side walls, a separate cylinder surrounding said pair of cylinders, a manifold arranged within the last mentioned cylinder, an annular series of pipes connected to said manifold and extending longitudinally of said pair of cylinders in juxtaposition to the side wall of the outer one thereof, said pipes being formed with apertures in their walls opposing the side wall of the outer cylinder, and means for supplying a temperature changing medium through said manifold to said pipes, whereby the latter operate to spray the temperature changing medium toward or against the said adjacent side wall.

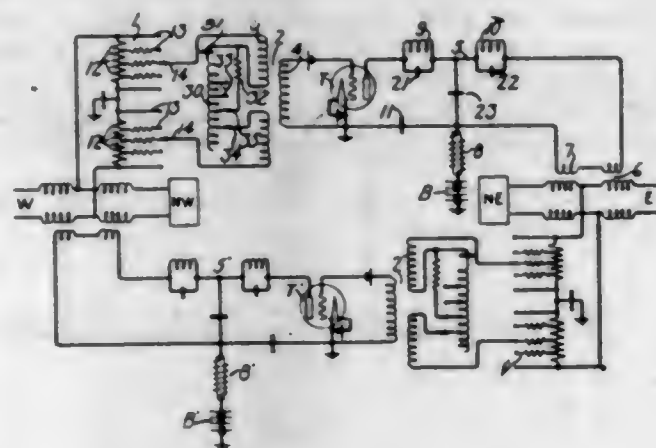
1,511,422. DENTAL APPARATUS. OSCAR H. PIMPER, Rochester, N. Y. Filed Mar. 21, 1923. Serial No. 626,574. 6 Claims. (Cl. 32-10.)



1. A dental apparatus comprising an instrument tray having a flange projecting from its under side, and a

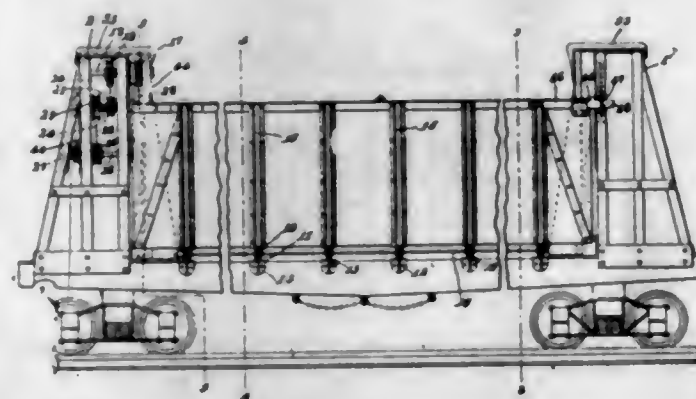
support provided with cushioning means disposed for engagement with the under side of said tray at said flange to support said tray in position.

1,511,423. ELECTRIC-CURRENT TRANSMISSION. DONALD A. QUARLES, Englewood, and FRANKLIN MOHR, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,410. 11 Claims. (Cl. 179-170.)



1. In combination, a transformer having across its output terminals, an impedance substantially infinite at a given frequency, a condenser forming with the inductance of said transformer a series tuned circuit at said frequency, an inductance, said condenser and one portion of said last mentioned inductance being serially related to each other with a resistance connected in shunting relation to a different portion of said last mentioned inductance.

1,511,424. BALLAST CAR. JOHN H. RICHARDS, Pocatello, Idaho. Filed Mar. 26, 1923. Serial No. 627,764. 7 Claims. (Cl. 105-263.)

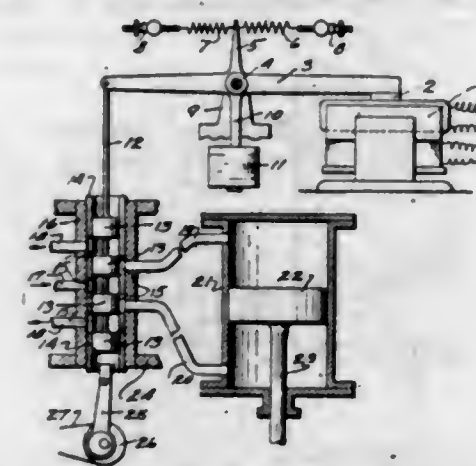


1. In a dump car, a truck, car body sections mounted for independent pivotal movement, a drum, chains associated with said drum and adapted to be wound about and unwound therefrom, said chains being connected with said body sections, and means for adjustably connecting the lower ends of the chains with said truck to vary the degree of elevation necessary to offset the center of gravity of each body section, and means for rotating the drum.

1,511,425. AUTOMATIC REGULATOR. ERICH ROUCKA, East Orange, N. J. Filed Mar. 26, 1921. Serial No. 455,975. 12 Claims. (Cl. 137-139.)

1. A system of the character described comprising a movable valve element, a surface along which the element is adapted to slide, means for controlling the move-

ment of said valve element, and means for continuously vibrating said surface independently of the movement of



said valve element but in the direction of movement of said valve element to reduce the friction therebetween.

1,511,426. RECEPTACLE COVER. JACOB I. RUSSAKOV, Chicago, Ill. Filed Mar. 3, 1924. Serial No. 690,515. 3 Claims. (Cl. 220-82.)

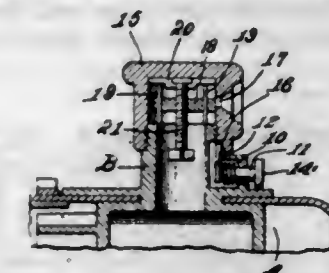


1. The combination with the frame and transparent plate of a receptacle cover lid of the character described, of a plate-holding spring member extending alongside an edge portion of the plate and mounted at one of its ends upon the frame for swinging movements into and out of holding engagement with the plate and being formed to press upon the plate intermediate its ends, the free end of the spring member and the frame adjacent thereto having cooperating interengaging locking elements adapted to hold said free end readily releasable against movement in all directions except toward the plane of the plate, the spring member having a part intermediate its ends normally lying alongside a flanged part of the frame, and cooperating interengaging locking elements on the spring member and on the flanged part where they are alongside each other adapted to hold said intermediate part readily releasable against movement in all directions except toward the plane of the plate, the arrangement being such as to put the spring member under tension to hold the plate when said respective cooperating interlocking elements are in engagement with each other.

1,511,427. RADIATOR CAP. EDWARD RUIT, Sonoma, Calif. Original application filed Apr. 3, 1922, Serial No. 549,131. Divided and this application filed Apr. 9, 1923. Serial No. 630,898. 5 Claims. (Cl. 220-24.)

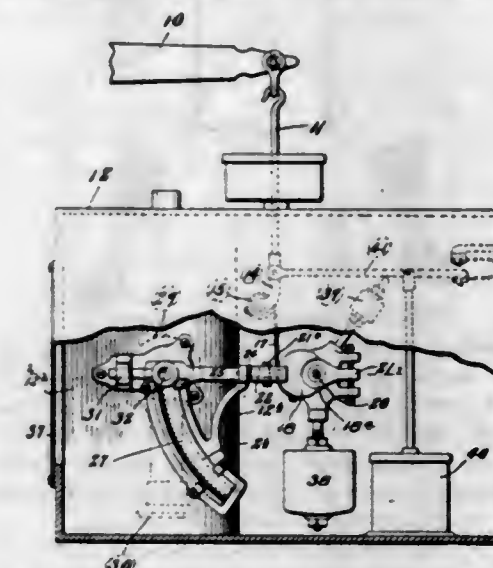
1. In a radiator having a filling neck, a hollow projection on the neck, a radially extending spring pressed

plunger operating within said hollow projection and extending therebeyond with said extending end carrying a



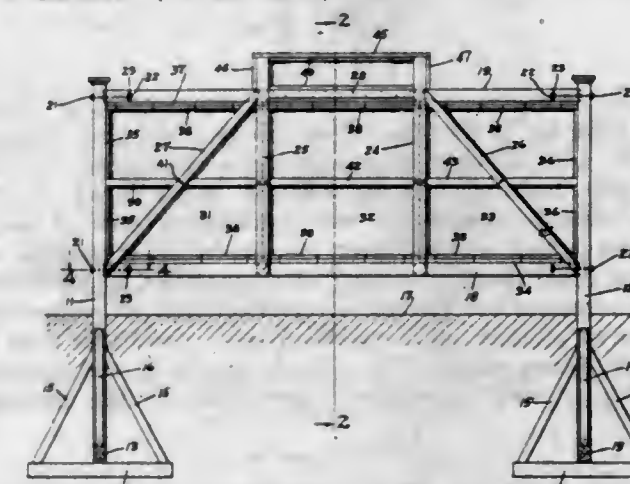
button, and a cap screwed upon the neck and formed with a notch receiving said plunger for preventing casual rotation of the cap.

1,511,428. DOUBLE-READING WEIGHING MECHANISM. HARRY C. SCHAPER, St. Louis, Mo., assignor to The General Automatic Scale Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 17, 1923. Serial No. 663,314. 8 Claims. (Cl. 265-62.)



1. In a weight indicator for scales, the combination with a load actuated member, of a pendulum member operable thereby in one direction and by gravity in an opposite direction, a pair of spaced weight indicia members carried by said pendulum member, projecting means including a source of light cooperating with said weight indicia members for projecting the weight indicia thereof, and screens arranged in optical axes with said projecting means for receiving the projected indicia in enlarged forms.

1,511,429. SIGNBOARD. JOSEPH SCHENKER, Minneapolis, Minn. Filed Jan. 8, 1923. Serial No. 611,424. 9 Claims. (Cl. 40-125.)



6. A sign board including uprights extending below the surface and anchored to prevent the sign board being blown down by the wind, upper and lower horizontal beams between the uprights, hangers extending from the lower beam upwardly above the upper beam, diagonal

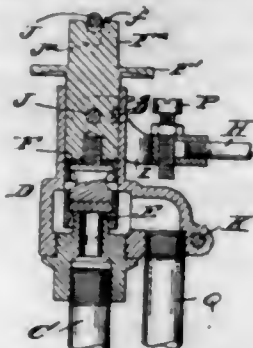
struts extending from the vertical supports to the upper part of the hangers, panels between the supports and hangers and between the hangers, and horizontal bracing bars, attached to said struts, hangers and upright supports.

1,511,430. BASEBALL-PITCHER'S PRACTICE TARGET. ADOLPH O. SCHONBERG, New York, N. Y. Filed Apr. 19, 1923. Serial No. 633,308. 1 Claim. (Cl. 124-15.)



A baseball pitcher's practice target embodying a vertical target body having thereby the representation of a catcher in substantially erect receiving position, and a rectangular space or area delineated thereon of the width of the "home plate" and of a height which is equal to the distance between the knees and shoulders of a player of average size.

1,511,431. WATER INLET VALVE FOR TANKS. FREDERICK A. SCHOSOW, Detroit, Mich., assignor to Murray W. Sales & Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 28, 1924. Serial No. 689,012. 5 Claims. (Cl. 137-104.)

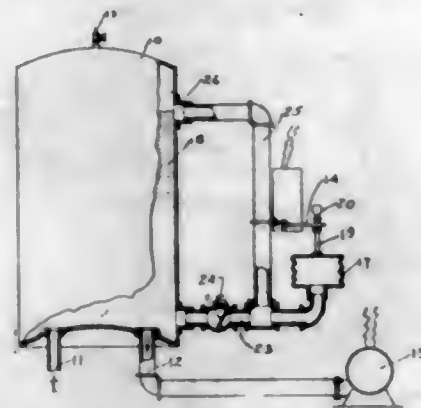


1. In a device of the character described, a water inlet pipe for a flushing tank, a valve chamber located on the end of said pipe having a discharge opening into the flushing tank, a plunger valve fitted in the valve chamber adapted to seat against the flow of water into the latter, a float lever fulcrumed on trunnions extending from the wall of the valve chamber, and a transverse U-shaped pin having one arm of said pin connecting the valve plunger with the float lever, the other arm of said pin being adapted to enter a groove in the plunger, whereby it may be secured against accidental dislodgment.

1,511,432. MEANS FOR AUTOMATICALLY ACTUATING CONTROL DEVICES. BENJAMIN SKIDMORE, JR., Chicago, Ill. Filed Oct. 26, 1922. Serial No. 596,965. 13 Claims. (Cl. 103-25.)

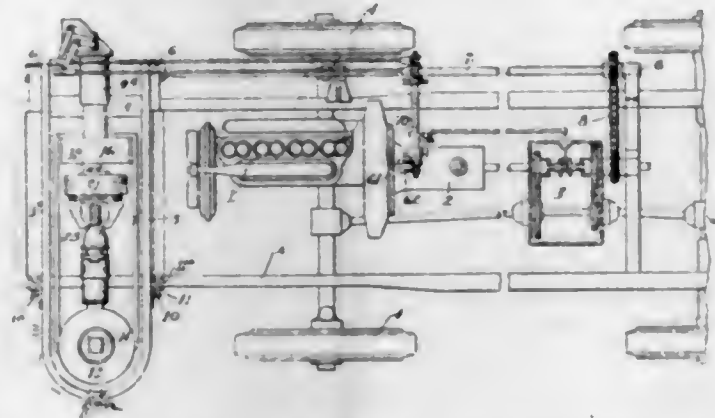
1. In combination a receiving tank having an inlet, said tank also having an outlet for liquid, a control

device for controlling pumping mechanism, means embodying fluid pressure actuated mechanism controlled in its operation by the liquid level in the tank for controlling



ling the said control device, a pipe connection between the said element and the tank, a fluid pressure chamber included in the said connection, a valve in said connection, and means for counterbalancing the valve.

1,511,433. EARTH AUGER. JOHN B. SPOWART, Berkeley, Calif. Filed Oct. 20, 1921. Serial No. 508,927. 19 Claims. (Cl. 255-22.)



1. In an earth boring means, the combination with the frame of a motor truck of a U-shaped frame having its terminals pivotally attached to permit its opposite end to be free to move in a substantially vertical plane, a power transmission pivotally supported by the movable end of the frame, said transmission being disposed longitudinally of the frame and adapted to rock transversely thereof, means for transmitting engine power from the truck to operate said power transmission, and an auger connected with said transmission and adapted to be rotated thereby for boring.

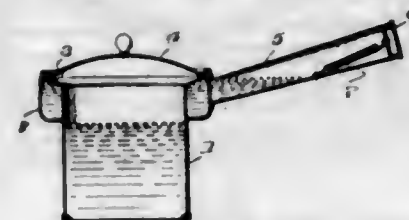
1,511,434. SCREW DRIVER. WILLIAM STRATTON THOMSON, Plantsville, Conn. Filed Nov. 23, 1922. Serial No. 602,673. 3 Claims. (Cl. 145-61.)



1. In combination in the handle structure of a screw driver, a handle frame having a web portion of plate-like form and a pair of handle scales of wood mounted on the opposite faces of said web portion, and a pair of auxiliary handle devices individually of wing-like form

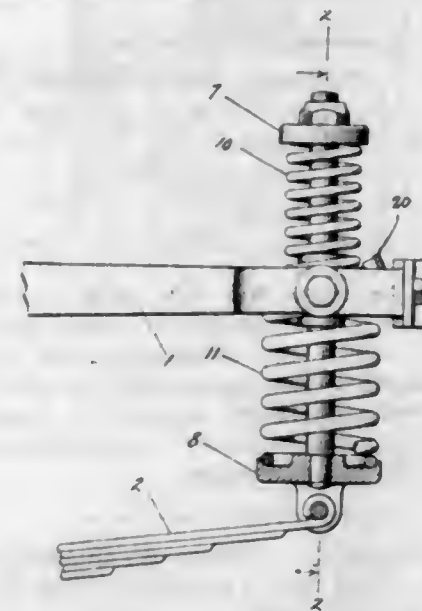
positioned in an axial plane and located upon opposite sides of the axis, and said plane being substantially at right angles to said web portion, whereby said handle devices make contact with and are seated upon said handle scales.

1,511,435. VESSEL. HENRY P. YATES, New Orleans, La. Filed May 4, 1923. Serial No. 636,720. 1 Claim. (Cl. 53-1.)



A cooking utensil having an exteriorly arranged cold water chamber surrounding the mouth thereof, the top wall of said cold water chamber inclining upwardly and outwardly, said cold water chamber having its outer wall extending above said top wall, a cover for the utensil adapted to rest on said top wall, an upwardly inclined hollow handle connected to and communicating with the chamber, said handle having its outer end disposed above the top of said chamber, and a spring urged closure member for said handle.

1,511,436. SHOCK ABSORBER. HERMAN ARNOLDI, Milwaukee, Wis.; Clemence J. Billerbeck administrator of said Herman Arnoldi, deceased. Filed Nov. 17, 1919. Serial No. 338,562. 6 Claims. (Cl. 267-29.)

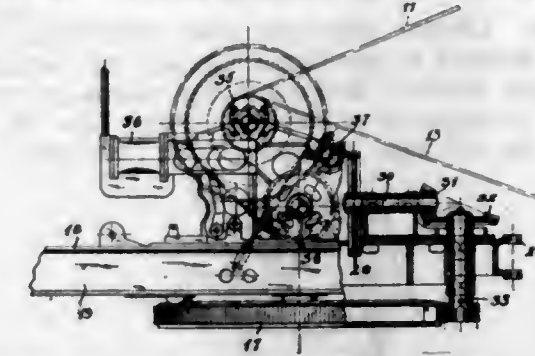


1. The combination with the frame and main spring of a vehicle, of a cushioning device comprising a plurality of helically coiled springs, an interposed seating member for the opposed ends of the helically coiled springs, said member having diametrically opposite pivotal connections with said frame, and a rod having a seating device for the outer end of each of said second mentioned springs, said rod being pivotally connected with the main spring and having sliding bearing connection with said interposed seating member.

1,511,437. EXCAVATING MACHINERY. SVANTE R. W. M. BAGER, South Milwaukee, and Otto F. KAESER, Milwaukee, Wis., assignors to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 7, 1921. Serial No. 443,143. 4 Claims. (Cl. 214-132.)

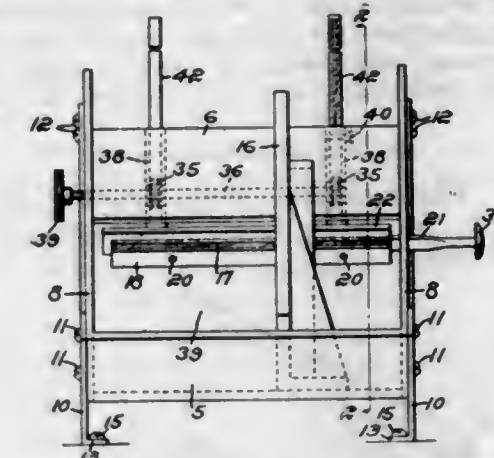
1. In an excavating machine, a relatively stationary turntable track, a vertical shaft journaled centrally of said track, traction means supporting the track and connected with the vertical shaft, a revoluble machinery supporting bed mounted on the track and having the

vertical shaft extended therethrough, means carried by the bed and engaged with the track for revolving the former, said means being disposed forwardly of said vertical shaft, means carried by the bed and connected with the shaft for operating the traction means, excavat-



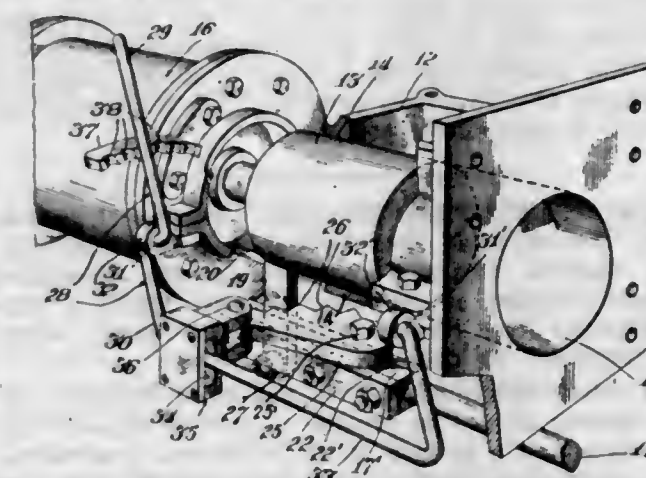
ing means carried by the bed, and a cable drum mounted on the bed rearwardly of the vertical shaft and out of alignment therewith, said shaft being movable vertically upwardly out of its bearings to separate the bed and track.

1,511,438. METHOD OF AND MEANS FOR MARKING BOOK SIGNATURES. ROY C. BAKER, Wollaston, Mass. Filed June 30, 1923. Serial No. 648,748. 20 Claims. (Cl. 101-35.)



1. In a machine for marking book signatures, the combination of means for holding a series of signatures in fixed position, a signature marker, and means for moving said marker transversely of and in contact with said signatures.

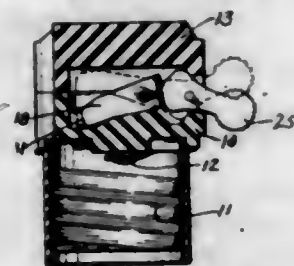
1,511,439. PUSHER ROD THROW ADJUSTER FOR UNDERFEED STOKERS. JOHN FRANCIS BARRY, Palos Park, Ill., assignor to The Underfeed Stoker Company of America, Detroit, Mich., a Corporation of New Jersey. Filed July 18, 1921. Serial No. 485,775. 6 Claims. (Cl. 110-109.)



3. The combination with a stoker-ram and lug, and a pusher-rod, of a pivoted, multi-stepped adjustable stop carried by the pusher rod, a hand lever pivoted to a stationary part of the stoker, and positive operating con-

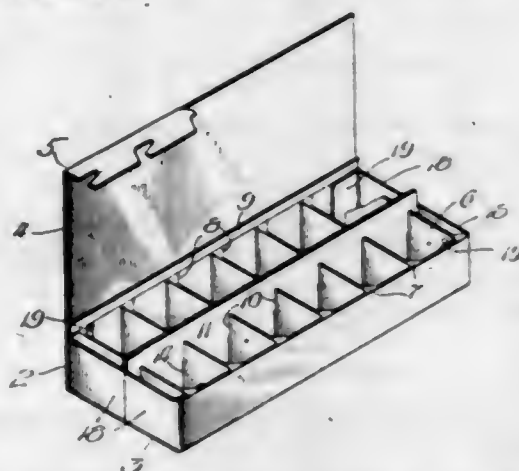
nections between said hand lever and said adjustable stop for adjusting said stop in any position to which it may be carried by said pusher rod, thereby to interpose any step of said stop in the path of said lug.

1,511,440. LEVER SWITCH FOR ELECTRIC SOCKETS. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1922. Serial No. 571,393. 9 Claims. (Cl. 173-346.)



1. A lever switch comprising a pivoted operating lever, a pivotally and slidably mounted switch arm, the pivot of which is slidable toward and from the pivot of the operating lever, spring means for forcing the pivot of the switch arm toward the pivot of the operating lever, said switch arm carrying a bearing member having a bearing surface extending transversely of the line of spring pressure, said pivoted operating lever having a bearing point movable along said surface past the dead center between said pivots, to cause a snap action of the switch arm when said point passes the said dead center.

1,511,441. EGG CARTON. PETER BERKEY, Chicago, Ill. Filed Sept. 28, 1923. Serial No. 665,292. 5 Claims. (Cl. 229-29.)

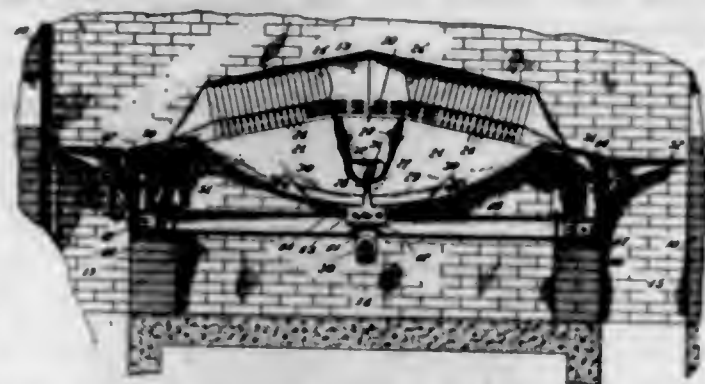


5. A longitudinal partition member for egg cartons comprising a blank creased along the longitudinal center throughout the middle portion and slitted at the ends along lines forming continuations of said crease; said blank having slots cut into the same transversely of and across the crease, and there being a crease extending transversely of each slitted portion of the blank near the outer end of such slitted portion.

1,511,442. UNDERFEED STOKER. ARTHUR H. BLACKBURN, Detroit, Mich., and SAMUEL A. ARMSTRONG, Sarnia, Ontario, Canada, assignors to The Underfeed Stoker Company of America, Detroit, Mich., a Corporation of New Jersey. Filed Nov. 1, 1920. Serial No. 420,937. 18 Claims. (Cl. 110-47.)

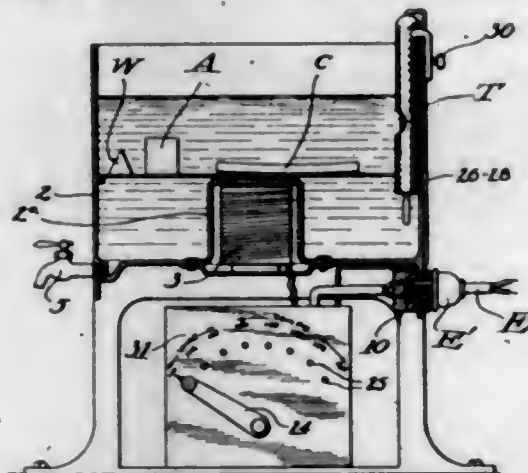
9. A retort-structure unit for underfeed furnaces, being a casting shaped to provide a pair of opposed lateral retorts and a portion of an interposed longitudinal retort, the bottom wall of said unit affording the normal bottoms of the stated retorts and having a cross-channel portion that extends below the normal bottom of the main retort portion and that connects with the bottoms of the lateral retorts.

13. In an underfeed stoker, a retort structure comprising opposed series of retorts arranged in a series of laterally extending pairs, the retorts of each pair spaced



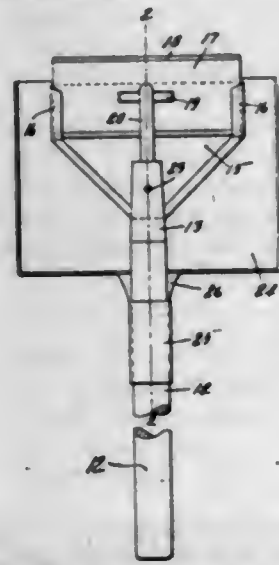
apart and having their bottoms in communication, and a main longitudinal retort having its bottom above the level of the bottom communications of the lateral retorts but with openings communicating therewith.

1,511,443. DENTAL WAX AND COMPOUND ANNEALER. HARRY A. BONOFF, Los Angeles, Calif. Filed May 24, 1923. Serial No. 641,093. 4 Claims. (Cl. 219-19.)



1. A device for annealing wax, waxy substances and compositions for dental purposes, comprising a liquid container into which the substances and compositions may be submerged, a heating element for said container, and automatically operative means for regulating the heat of a liquid in the container in which the substances and compositions are submerged.

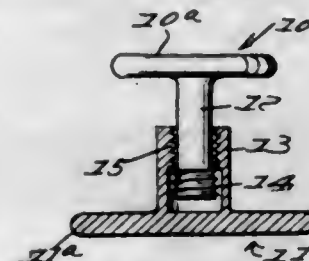
1,511,444. SCRAPER. JOSEPH O. CHARPENTIER, Concord, N. H. Filed May 14, 1923. Serial No. 638,764. 2 Claims. (Cl. 72-137.)



1. An implement of the character stated, comprising an elongated handle, a scraper, means securing the scraper to one end portion of the handle, and a dust pan

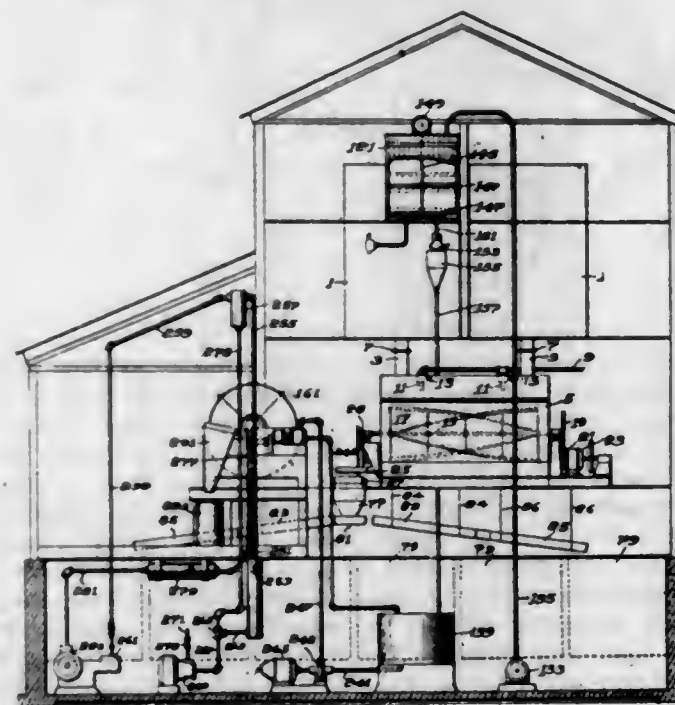
having a socket through which the handle extends, the socket having a sliding frictional fit on the handle permitting the socket to turn and move endwise on the handle to variously adjust the pan with relation to the scraper.

1,511,445. SEPARABLE BUTTON. ROBERT CLARKSON, Anniston, Ala. Filed Aug. 2, 1921. Serial No. 489,282. 1 Claim. (Cl. 24-105.)



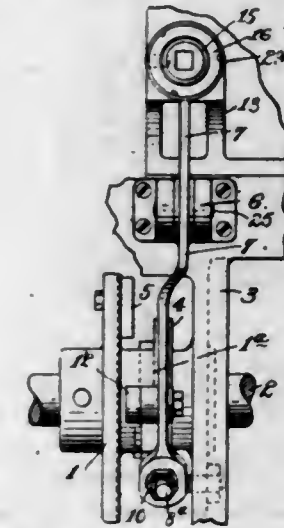
A separable button embodying a duality of members of which each is provided with a stem, the stem of one member being of tubular form and telescopically engaging the stem of the other member, the tubular stem being interiorly threaded and the other stem exteriorly threaded for engagement with the interior threads, the tubular stem below its threads being enlarged to receive the threaded portion of the other stem and the latter back of its threads being reduced to slidably engage the threads of the tubular stem, whereby swivelled connections between the members is provided which may only be disengaged by relative turning movement of the two members.

1,511,446. PROCESS FOR MAKING FINISH-COAT PUTTY. WILLIAM T. DOYLE, Boston, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 16, 1923. Serial No. 668,956. 9 Claims. (Cl. 222-4.)



1. A process of making finish coat lime putty consisting in mixing lime and water to slake the lime, fine screening the lime solution to eliminate larger slow slaking particles and foreign particles, aging the screened slaked lime solution, introducing the aged slaked lime solution to a filter, and forcing part of the water therefrom through the filter to leave a plastic finish coat putty or base suitable for mixing with water and plaster of Paris or fine sand to form finish coat material.

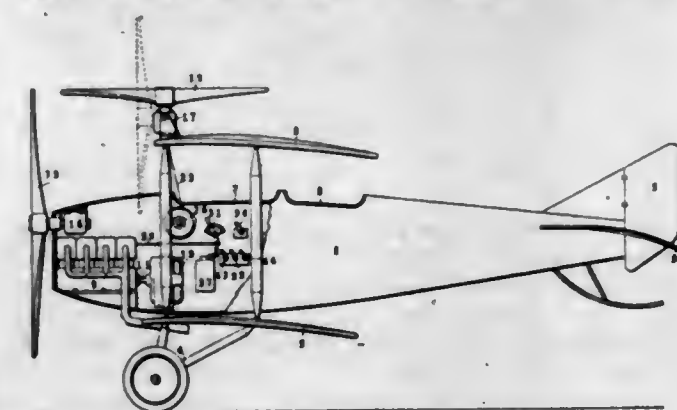
1,511,447. POSITIVE LOCKING MECHANISM FOR CYLINDERS OR THE LIKE. ALFRED E. DRISSNER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 28, 1921. Serial No. 525,300. 26 Claims. (Cl. 29-50.)



1. Locking mechanism for cylinders or the like comprising in combination a lock member adapted to cooperate with the cylinder, an operating member for shifting said lock member, a cushioned plunger carried by said operating member, a cam roll carried by said plunger, and cam means for operating said roll.

10. Locking mechanism for spindle carriers or the like comprising in combination a lock bolt, a lock lever cooperating therewith, means for shifting the lock bolt out of locking position relatively to the carrier, means for shifting the lock bolt into locking position and comprising a spring engaging the same, and camming mechanism, said mechanism including safety means.

1,511,448. ELECTRICALLY-PROPELLED AIRCRAFT. ALPHONSO L. DRUM, Chicago, Ill. Filed Feb. 18, 1921. Serial No. 445,918. 5 Claims. (Cl. 244-25.)

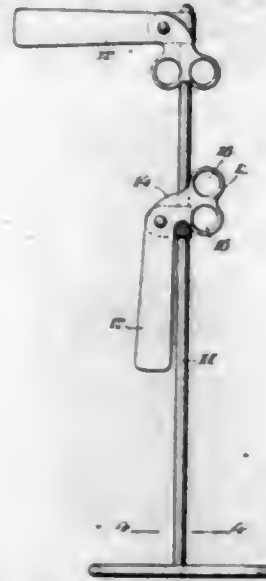


1. In a system of aircraft propulsion, in combination, spaced flight propellers for the air craft, an electric driving motor connected to each of said propellers, a central power plant including a prime mover and an electric generator connected to be driven thereby for supplying energy to all of said motors to furnish the principal flight propelling force and auxiliary controlling force to the propellers, a plurality of independent controlling means under control of a single operator for controlling the power plant to regulate collectively the energy delivered therefrom to all of said propellers, and controlling means under the control of the operator for controlling, independently of the first mentioned controlling means, the individual delivery of energy to each of said propellers.

1,511,449. TOY SEMAPHORE SIGNAL TOWER. ALAN R. FEROUSSON, Buffalo, N. Y. Filed Nov. 7, 1922. Serial No. 599,604. 20 Claims. (Cl. 116-63.)

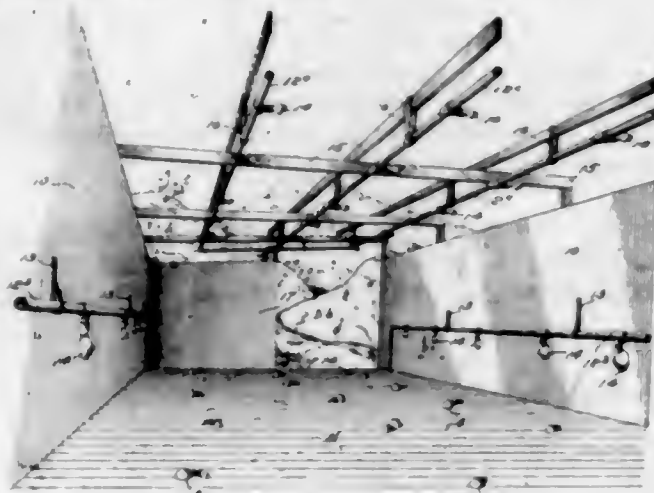
3. In a toy railway signal device the combination of a base comprising a single wire coil having one end

extending inwardly to substantially the center of said coil and upwardly to provide a single vertical wire up-



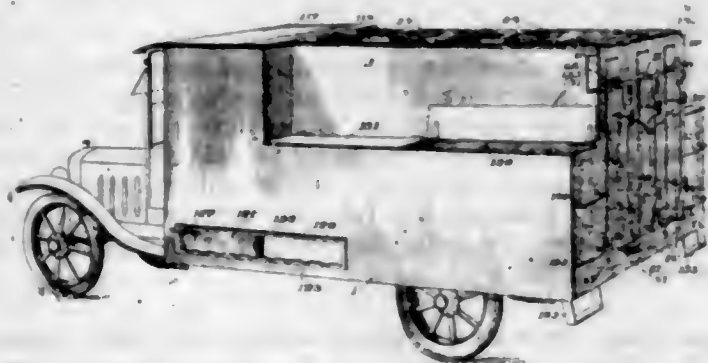
right, a swinging semaphore signal member secured to said upright and means for releasably locking said member in predetermined position.

1,511,450. SPRAYING APPARATUS FOR LIVE STOCK. JAMES CHRICHARD FINDLAY, San Francisco, Calif. Filed Apr. 15, 1920, Serial No. 374,193. Renewed June 16, 1923. 20 Claims. (Cl. 119-156.)



1. In a livestock spraying apparatus, a spraying pen having a floor with openings therein, a pipe underneath the floor and having connections at intervals passing up through the openings, and conical nozzles secured to the pipe connections and resting directly on the floor and projecting above the latter.

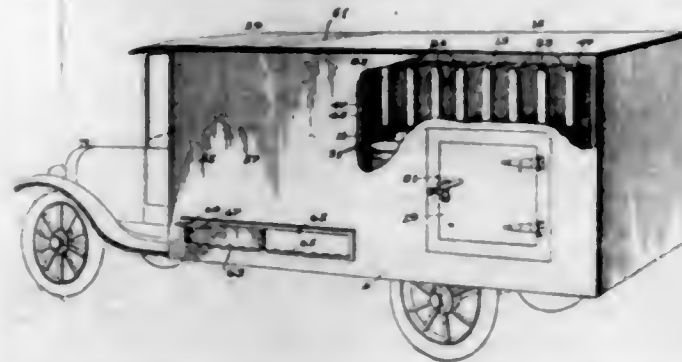
1,511,451. REFRIGERATING APPARATUS. HENRY C. FOLGER, Waverly, Mass., assignor to Housing Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1922. Serial No. 395,840. 18 Claims. (Cl. 62-13.)



1. Refrigeration apparatus comprising, in combination, a cooling chamber having means normally closing the same, portable containers in said chamber containing a

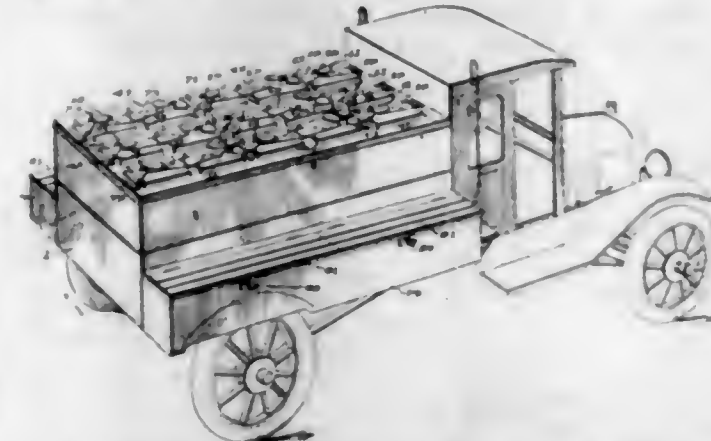
solution which freezes at a temperature substantially below 32° Fahrenheit, and a refrigerating chamber without communication with the cooling chamber and having an air space about the same exposed to the refrigerating effect of the portable containers, said refrigerating chamber having provision for receiving materials for refrigeration.

1,511,452. REFRIGERATING APPARATUS. HENRY C. FOLGER, Waverly, Mass., assignor to Housing Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 8, 1922. Serial No. 399,630. 9 Claims. (Cl. 62-13.)



1. Refrigeration apparatus comprising, in combination, a cooling chamber, a container movably mounted therein and adapted to hold a frozen liquid, and a bellows operated by movements of said container for producing air currents in said chamber for promoting the cooling effect of said container.

1,511,453. REFRIGERATING APPARATUS. HENRY C. FOLGER, Waverly, Mass., assignor to Housing Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 30, 1923. Serial No. 677,851. 9 Claims. (Cl. 62-13.)

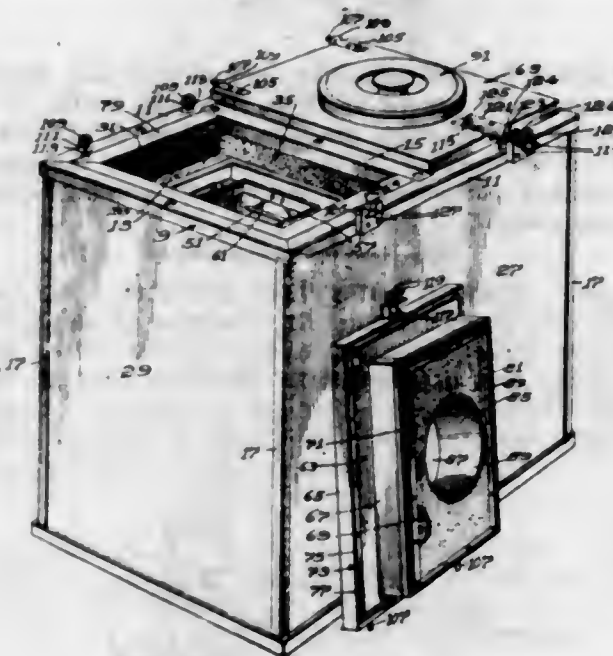


1. Refrigeration apparatus comprising a vehicle body having walls formed of wood and cork layers, said body having cells therein with open upper ends through which materials for refrigeration may be introduced into and removed from said cells, covers normally closing the upper ends of said cells; said body having chambers therein with open upper ends through which closed cooling containers having a frozen liquid therein may be introduced into and removed from said chambers, and covers normally closing the upper ends of said chambers, said cells being without communication with said chambers, but having an air circulation space exposed to the cooling chambers that the containers may cool the cells and the materials therein, the covers for the cells being separate from the covers for the chambers.

1,511,454. REFRIGERATING APPARATUS. HENRY C. FOLGER, Waverly, Mass., assignor to Housing Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 30, 1923. Serial No. 677,852. 9 Claims. (Cl. 217-7.)

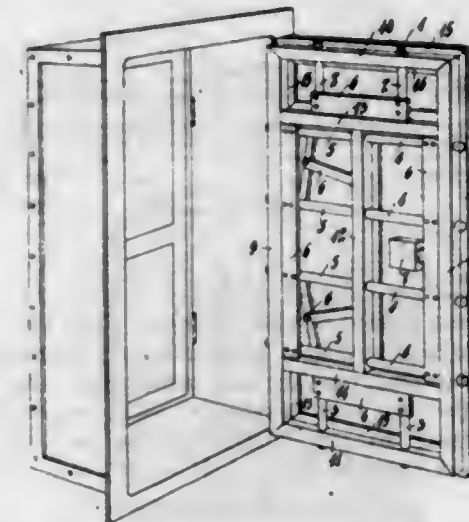
1. Refrigeration apparatus comprising a cabinet having walls formed of outer wood, inner metal, and interme-

diolate cork layers, said inner layers having ledges thereon, a frame having springs supported on said ledges, a can having a circumferential bead resting on said frame to support the can thereon, said cabinet having spaces for receiving frozen liquid containing cartridges at sides of the can, a cover for the cabinet having its under face adapted to engage the upper edge of the can, se-



curing means for the cover having provision for pressing the can downward in the cabinet against the resistance of the frame supporting springs, said cover having an opening therein smaller than the upper end of the can through which materials may be removed from the can without exposing to the outside air the spaces receiving the cartridges, and a cap normally closing said opening.

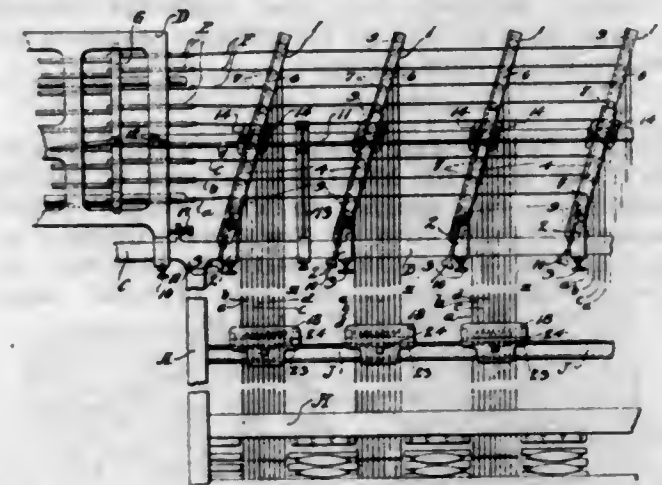
1,511,455. VAULT-DOOR CONSTRUCTION. JOSEPH FREYBERG and LEO F. WURHOLDING, Newport, Ky., assignors to The J. Baum Safe & Lock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 18, 1919. Serial No. 318,231. 6 Claims. (Cl. 109-1.)



1. In a vault-door construction, a door plate and an inside frame extending around adjacent to the edges of said door plate and comprising members of channeled cross-section with flat flanges extending in opposite directions from the open sides of the channels and fixed to the side of said door plate, some of said members having openings through the sides of their channels and locking bolts extending through said openings, and additional members of similar channeled and flanged formation within the space surrounded by the aforesaid members, and having openings receiving other parts of said locking bolts.

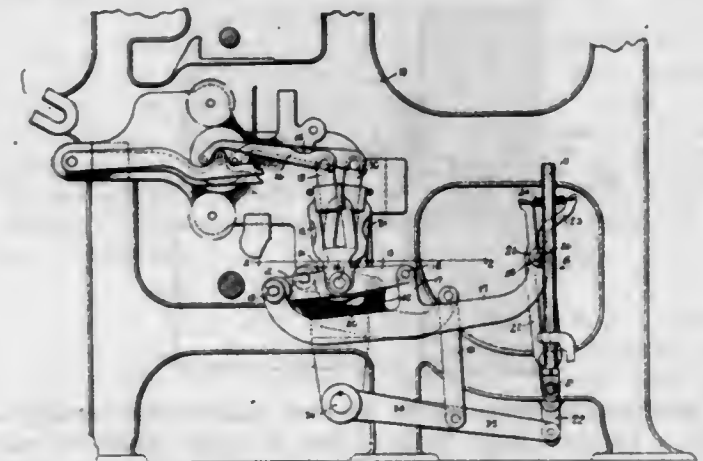
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1,511,456. SUPPORT FOR LOOM HARNESS. LEOPOLD FUCHS, Roslyn Heights, N. Y. Filed Aug. 10, 1922. Serial No. 580,938. 24 Claims. (Cl. 139-85.)



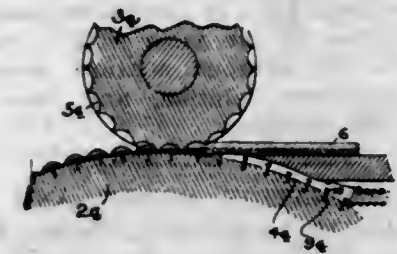
1. In loom apparatus of the class described, the combination with jacquard mechanism having horizontally movable harness actuating members and harness cords connected thereto, of pivoted adjustable supporting means on the loom over which the harness cords pass and are directed from a horizontal to a vertical plane, and having means for sustaining the cords in separate non-intersecting planes.

1,511,457. DROP-BOX-ACTUATING MECHANISM FOR LOOMS. ANTHONY D. GARGULINSKI, Worcester, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Dec. 7, 1921. Serial No. 520,681. 7 Claims. (Cl. 139-181.)



1. In a loom, a drop box lifter rod, a pair of positioning levers, a floating lever pivoted directly to one lever and having a direct sliding engagement with the other lever and a connection from said lever to said lifter rod.

1,511,458. METHOD FOR FORMING MOLDED OBJECTS. ALBERT E. GIBSON, Philadelphia, Pa., assignor to The Dentists' Supply Company, a Corporation of New York. Filed May 3, 1922. Serial No. 558,060. 10 Claims. (Cl. 18-59.)



1. The method of shaping objects from a plurality of different materials consisting of simultaneously introducing between a pair of dies a composite strip formed of two previously formed layers in overlapping or su-

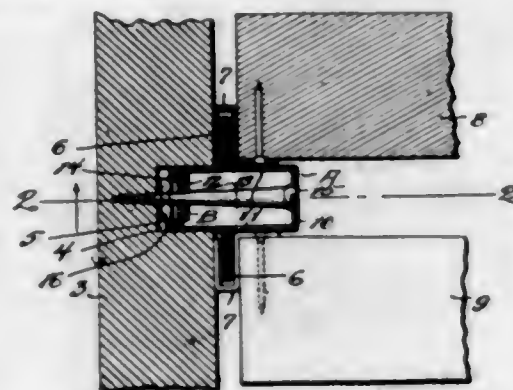
perimposed condition and simultaneously subjecting the said composite strip to the action of the dies and thereby stamping the same into proper outline and compressing the different materials into close compacted relation whereby portions of each of the different materials are exposed upon the same surface.

1,511,459. COMPOSITE MATERIAL FROM WHICH ARTICLES MAY BE MOLDED. ALBERT E. GIBSON, Philadelphia, Pa., assignor to The Dentists' Supply Company, a Corporation of New York. Original application filed May 3, 1922. Serial No. 558,069. Divided and this application filed Aug. 24, 1923. Serial No. 659,072. 5 Claims. (Cl. 154-46.)



1. A composite strip from which to stamp articles in duplicate, consisting of two bodies of different materials arranged as overlapping strips in juxtaposition along their length, but in which the strips of different material project laterally in opposite directions relatively to the portions in juxtaposition.

1,511,460. WINDOW CONSTRUCTION. MCREE GREEN, St. Louis, Mo. Filed July 5, 1923. Serial No. 649,538. 2 Claims. (Cl. 20-11.)



1. The improvement in window construction comprising a parting strip formed from a single sheet of material struck up to form a front wall, side-walls with outwardly projecting flanges, and a rear-wall formed of two overlapping edges.

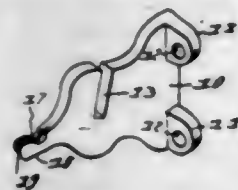
1,511,461. ROSIN MANUFACTURE. FRANK E. GREENWOOD, New Rochelle, N. Y., assignor to Pine Waste Products, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,922. Renewed Dec. 3, 1923. 7 Claims. (Cl. 203-4.)

1. The method of recovering rosin from coniferous woods or from resinous materials obtained therefrom which comprises converting the acid components of the resin into ammonium salts or ammonium soaps, treating an aqueous mixture of the same with a rosin solvent immiscible with the aqueous mixture, separating the mixture and resultant solution, and then recovering the rosin from the solution.

1,511,462. COMBINATION SHADE AND DRAPERY HOLDER. ALBERT L. GREGORY, Niagara Falls, N. Y. Filed Aug. 1, 1922. Serial No. 578,875. 1 Claim. (Cl. 156-24.)

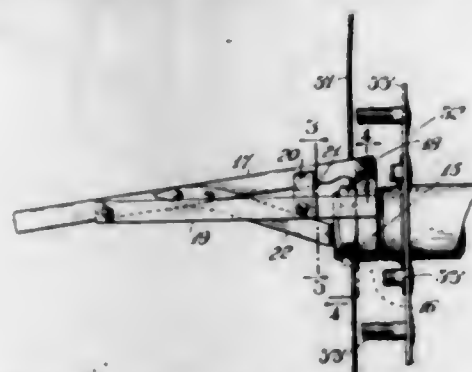
A curtain pole support consisting of a plate having angularly disposed portions, one portion being adapted for attachment to a window frame and the other of the said portions having means for supporting a shade roller,

the plate having a tongue portion disposed in the plane of the shade roller supporting portion and aligned approximately with the center thereof, said tongue having a



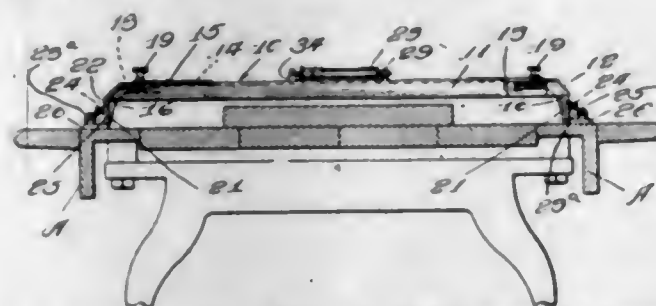
kerf leading in from the outer end thereof and dividing the tongue into spaced sections, the side walls of the kerf being parallel with the side surfaces of the tongue and a notch provided in the upper edge of the tongue and disposed transversely of the kerf at a point between the ends thereof.

1,511,463. WHEEL-MOUNTING DEVICE. BENJAMIN GRIFFITH, Jr., Evanston, Ill., assignor of one-half to Gustave Albert Johnson, Evanston, Ill. Filed Sept. 17, 1923. Serial No. 663,287. 23 Claims. (Cl. 29-84.)



1. A device for mounting a disk wheel upon its hub in position on an axle, comprising a clamping member adapted to be releasably supported by the hub, and an arm connected with the clamping member and supported in extended position for directing the wheel to its working position.

1,511,464. ADJUSTABLE LEVEL FOR SPINNING FRAMES. ALBERT M. GUILLET, Charlotte, N. C. Filed Jan. 13, 1923. Serial No. 612,372. 11 Claims. (Cl. 33-267.)

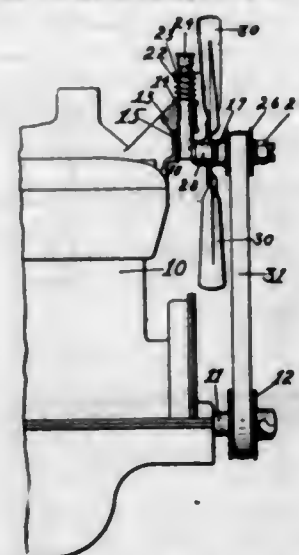


4. A leveling device of the character described comprising a leveling bar having a longitudinally disposed bubble glass, legs engaging the bar and adjustable longitudinally in relation thereto, feet carried by said legs and extending transversely to the length of the bar, and bubble glasses carried by said feet.

1,511,465. SHAFT SUPPORT. WILLIAM F. HARRINGTON, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed July 26, 1917. Serial No. 182,863. 21 Claims. (Cl. 64-52.)

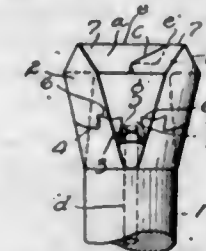
1. In an internal combustion engine, the combination of an engine shaft; a pulley mounted thereon; an arm extending upwardly from the head of said engine, and having a vertical passage therein and a vertical face; a shaft having a vertical post slidably mounted in said passage and a head slidably engaging said vertical face; a compression spring surrounding the upper end of said post, and exerting an upwardly directed pressure there-

on; a pulley journaled on said shaft and having a laterally extending sleeve provided with an annular flange; fan blades secured to said flange; a belt connecting said



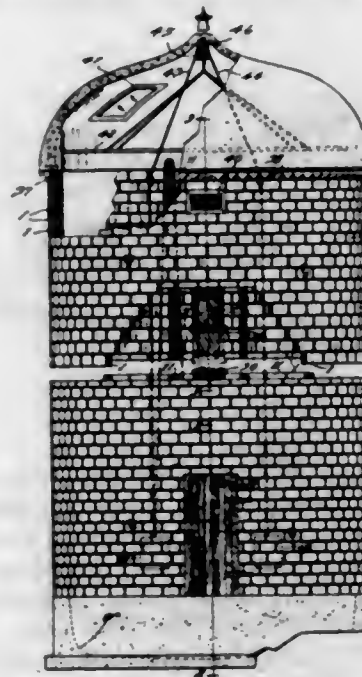
pulleys; a lubricating cup on the upper end of said post; and a passage in said post and shaft for conducting lubricant to the pulley bearings.

1,511,466. DRILL. ARTHUR L. HAWKSWORTH, Butte, Mont., assignor to Hawkesworth Drill Company, Butte, Mont., a Corporation of Delaware. Filed July 7, 1922. Serial No. 573,288. 2 Claims. (Cl. 255-64.)



1. In combination with a drill-bar or shank, a bit detachably secured thereto, said shank having an axially disposed passageway extending therethrough, and one of the bit-engaging transverse surfaces of the shank having a groove extending from side to side thereof.

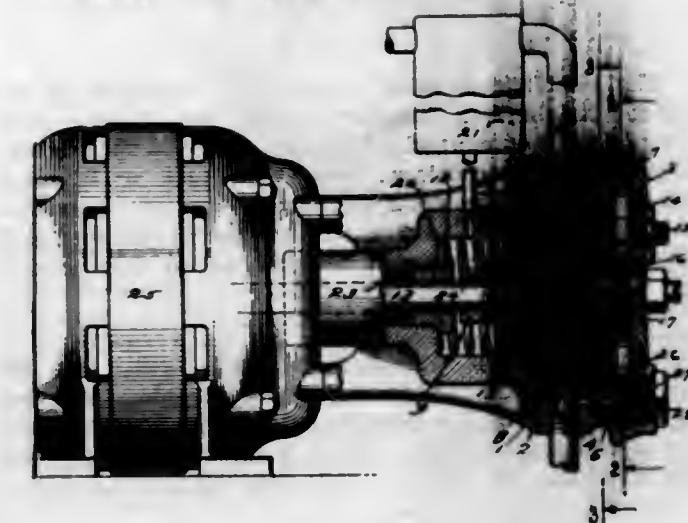
1,511,467. SILO. FREDERICK HEATH, Tacoma, Wash., assignor to Heat Unit Tile Company, Tacoma, Wash., a Corporation of Washington. Filed Oct. 8, 1921. Serial No. 506,233. 17 Claims. (Cl. 72-6.)



1. A silo having an outer symmetrical wall composed of hollow blocks rectangular in cross section and reinforced horizontal mortar beds, the reinforcement com-

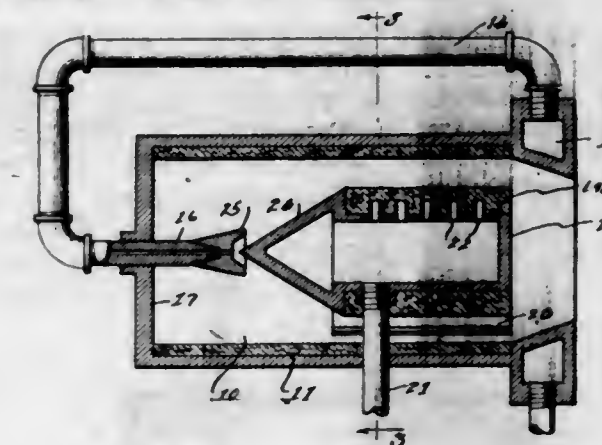
prising expanded metal sheets laid in the mortar beds in overlapping relation, the vertical mortar beds in each course of tile being such that uninterrupted, annular insulating spaces are present in the wall.

1,511,468. ROTARY COMPRESSOR. ESENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 26, 1923. Serial No. 670,898. 10 Claims. (Cl. 230-30.)



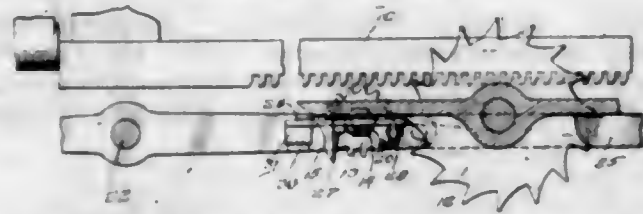
1. A rotary compressor comprising a casing containing a pumping chamber with an intake to and a discharge from said chamber, a rotor rotatable in and having an axial movement in said chamber, intermeshing internal and external pumping gears rotated by and having an axial movement with said rotor, means for conducting discharge pressure to the back of the rotor for forcing the rotor and gears toward the front end of the pumping chamber, and means on the intake side permitting an unrestricted flow of fluid to the front of the pumping chamber but preventing the escape of fluid back from the pumping chamber so as to keep the pressure on the front of the rotor substantially the same as the discharge pressure on the back of the rotor when the compressor is idle and thereby lower the starting torque of the compressor.

1,511,469. FUEL-OIL BURNER. WILLIAM M. HOFFMAN, Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation, a Corporation of New York. Filed May 13, 1922. Serial No. 560,579. 5 Claims. (Cl. 158-57.)



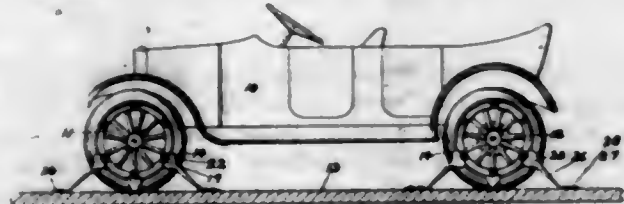
5. In a fuel oil burner, a hollow combustion chamber having an opening for the discharge of products of combustion, a porous refractory core positioned within said combustion chamber, means for feeding fuel oil to said core to percolate therethrough and to be burned upon the outer surface thereof, jet producing means positioned to project a vapor jet into the interior of said combustion chamber, and means interposed intermediate said jet-producing means and said core to spread the vapor jet to pass over the outer surface of the core.

1,511,470. CARRIAGE BRAKE FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Jan. 12, 1920. Serial No. 351,024. 4 Claims. (Cl. 197-64.)



1. The combination with a typewriter carriage, of escapement mechanism therefor, means for freeing said carriage from the control of said escapement mechanism, a brake for said carriage, means for holding said escapement mechanism from displacement, and a common device for bringing said carriage freeing means, said brake, and said escapement holding means into operation.

1,511,471. WHEEL BRACE FOR VEHICLES. EDWARD HOLMES and ARTHUR D. LIGHTNER, Toledo, Ohio, assignors to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed July 22, 1918. Serial No. 246,215. 19 Claims. (Cl. 188-32.)

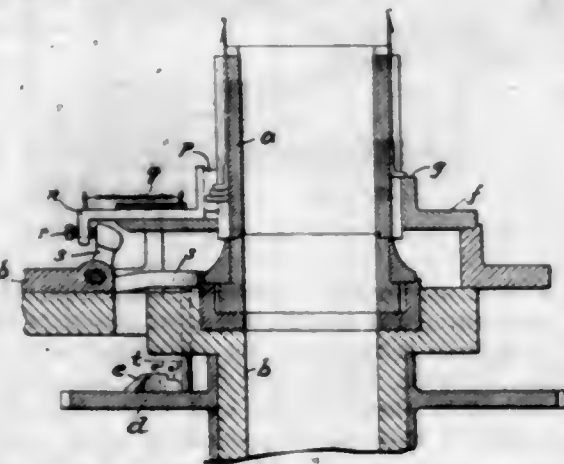


1. A wheel tie or brace comprising an upstanding body portion adapted to be connected with a floor or frame and having a member adapted to engage the wheel felly and an angularly disposed portion arranged to be projected into engagement with the wheel rim.

1,511,472. DECOLORIZING AND PURIFICATION OF SACCHARINE MATERIALS. JOHN JAMES HOOD, London, JOHN CLARK, Essex, and PERCY GEORGE CLARK, London, England; Rosina Brown Quin administratrix of the said John James Hood, deceased. Filed Nov. 4, 1910. Serial No. 335,619. 4 Claims. (Cl. 127-55.)

2. The process of decolorizing saccharine liquid which comprises filtering it through material containing ignited magnesite in the presence of carbonaceous material.

1,511,473. PROCESS AND MECHANISM FOR TOPPING HOSIERY. WILBUR L. HOUSEMAN, Philadelphia, Pa., assignor to Standard Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 9, 1922. Serial No. 559,634. 12 Claims. (Cl. 66-21.)



3. In a machine for knitting fabric to a cuff transferred to the needles of said machine, comprising means for raising the needles to clear the latches of the loops

transferred thereto, a yarn carrier for feeding yarn to the hooks of the needles, and means for lowering the needles to draw the yarn laid in the hooks of the needles through the loop transferred thereto, said needle manipulating means being arranged to lower at least one needle to draw yarn in advance of the first needle whose latch has cleared a loop of the transferred cuff.

1,511,474. SANITARY THERMOMETER CASE. WARREN F. HOWE, Watertown, N. Y., assignor to The G. Faichney Company, Watertown, N. Y., a Copartnership. Filed June 29, 1922. Serial No. 571,653. 2 Claims. (Cl. 206-16.5.)



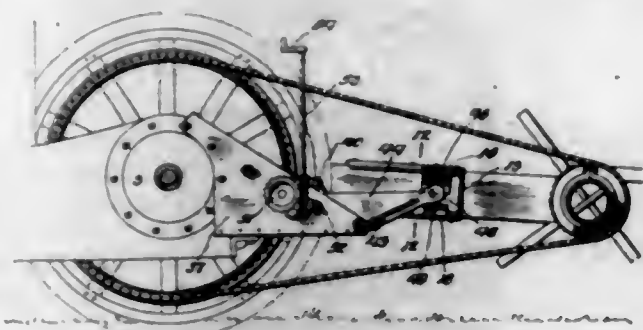
1. In a thermometer case, a hollow tubular body open at one end, a cap for closing said end, a fibrous bushing forming a cushion lining within said body, the corresponding end of said bushing being open to receive the thermometer, and a rolled tension member split throughout its length clamped around the open end portion of the bushing and having longitudinal cut-outs for providing medial flexible portions adapted to exert tension against the opposite sides of the bushing and thermometer.

1,511,475. CONSTRUCTION MATERIAL. KENNETH B. HOWELL, Millburn, and CLARENCE R. ECKERT, Englewood, N. J., assignors to The Barrett Company, a Corporation of New Jersey. Filed Dec. 17, 1918. Serial No. 267,180. 11 Claims. (Cl. 92-21.)

1. As an article of manufacture, a sheet of flexible and porous unsaturated building felt consisting of fibrous material that had been waterproofed before being introduced into said sheet and paper stock material such as wood fibers and rag fibers.

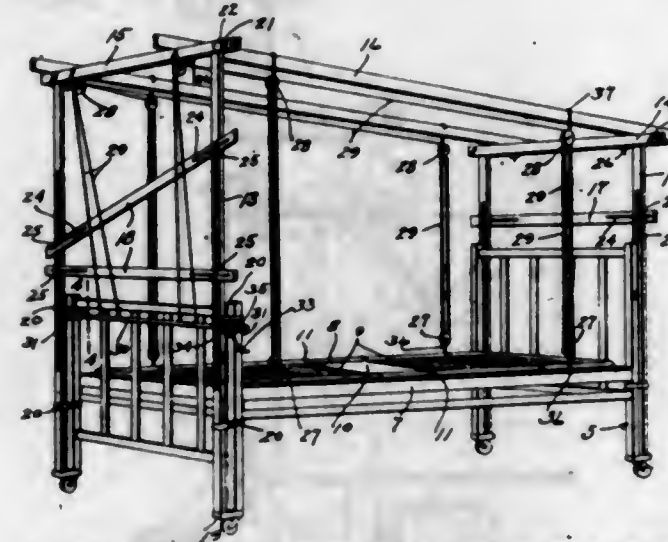
11. The herein described process which comprises the steps of saturating sawdust with hot pitch, introducing said sawdust into the water pulp of a paper-making machine, forming a sheet having said sawdust incorporated therein, drying said sheet and saturating the same with waterproofing material.

1,511,476. ATTACHMENT FOR TRACTORS. GEORGE T. INGERSOLL, Battle Creek, Mich. Filed July 26, 1922. Serial No. 577,621. 6 Claims. (Cl. 97-40.)



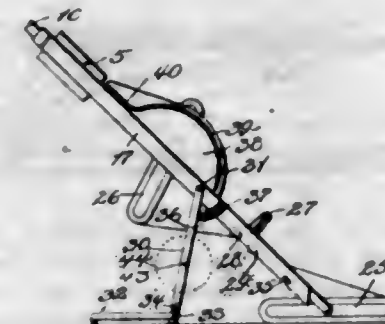
1. An attachment for tractors comprising side bars constructed at their front ends to be pivotally mounted at the traction wheels of the tractor, a cross bar connecting said side bars, forwardly projecting vertically spaced members on the cross bar, a ground-treating instrumentality mounted upon the rear ends of the side bars, means for rotating said instrumentality from the tractor, a bell crank supported on the tractor, means for engaging said bell crank between the forwardly projecting members on the cross bar, and means for operating said bell crank.

1,511,477. ELEVATING ATTACHMENT FOR HOSPITAL BEDS. FRANKLIN N. JEPSON, Minneapolis, Minn. Filed Nov. 24, 1922. Serial No. 602,976. 7 Claims. (Cl. 5-84.)



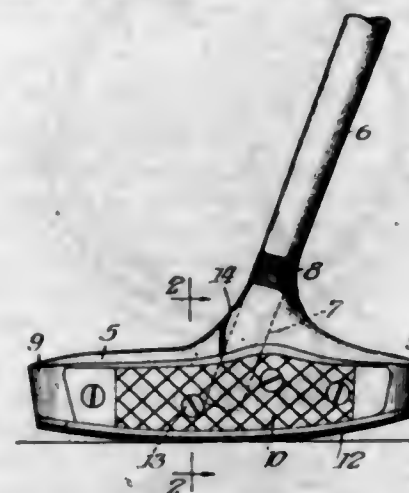
1. The combination with a bed including a bedstead, having ledges secured between the lower ends of its legs and casters, of a stretcher adapted to be spread upon the bed, a frame including uprights supported on said edges, adjustable ties securing the uprights to the posts of the bedstead, and means carried by the frame for elevating the stretcher and holding the same suspended above the bed.

1,511,478. MOP. JOHN JOHNSTON, St. Louis, Mo. Filed Dec. 15, 1922. Serial No. 607,047. 3 Claims. (Cl. 15-228.)



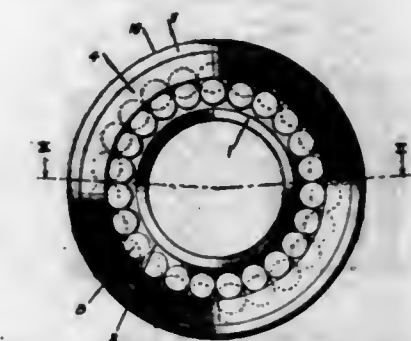
1. In a mop, a frame; a pair of boards rotatably mounted in said frame; a sheet of fabric wound upon one of said boards, and means for rotating the opposing board to draw said fabric thereon from said first-named board, in combination with means for reversing said frame.

1,511,479. GOLF CLUB. EDWIN A. KELLY and RICHARD A. LINK, Wheaton, Ill. Filed Jan. 14, 1924. Serial No. 685,952. 10 Claims. (Cl. 46-4.)



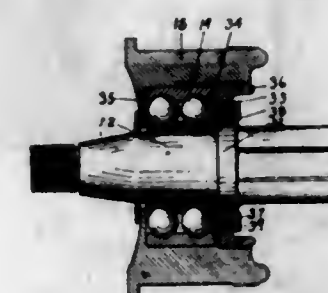
1. A golf club comprising a shaft and a substantially oval-shaped head on the outer extremity thereof with the shaft directed at substantially the center of mass of the head.

1,511,480. DOUBLE-ROW ANTIFRICTION BEARING. HARFORD C. KNOWLES, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed May 13, 1920. Serial No. 381,053. 5 Claims. (Cl. 64-39.)



1. In a roller bearing, the combination with inner and outer bearing members and two sets of rollers interposed therebetween, of a pair of rings positioned between the two sets of rollers each ring being adapted to be engaged by the ends of the rollers of one set, and antifriction devices between the two rings serving to space the rings from each other and to transfer axial movement from one ring to the other.

1,511,481. TRANSMISSION GREASE RETAINER. OSCAR H. KOLLEK, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 11, 1918. Serial No. 262,030. 6 Claims. (Cl. 64-22.)



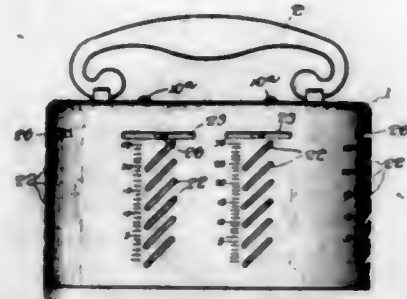
1. In a device of the class described, the combination with a rotatable shaft, of a casing therefor, a grease retainer comprising a pair of members provided with inclined co-operating mating faces, one of said members being provided with an inwardly extending flange adapted to engage the rotatable shaft, and the other of the two members being provided with an outwardly extending flange adapted to engage the casing.

1,511,482. COIN BANK. ISIDOR J. KUSEL, Chicago, Ill., assignor to Stronghart Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 5, 1920. Serial No. 349,467. 10 Claims. (Cl. 232-4.)



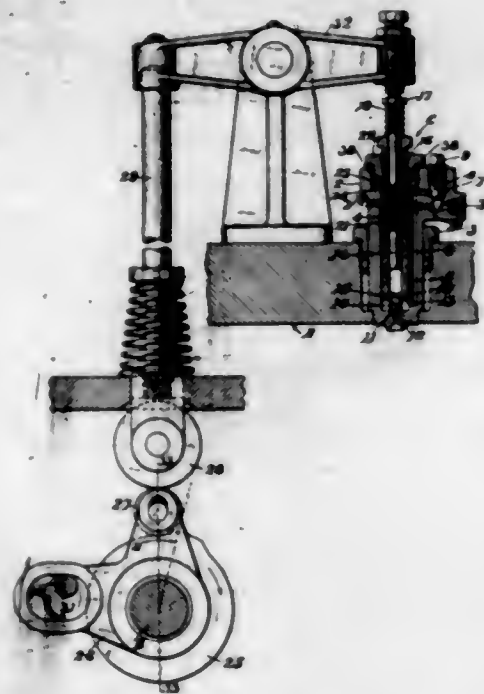
1. A coin bank having separable members provided with bayonet slot interlocking devices, and means for holding said members against unlocking movement comprising a lever on one member provided with a shoulder and a cooperating shoulder on the other member, the shoulders being in operative engagement only when said bayonet devices are in their extreme interlocked position.

1,511,483. COIN BANK. ISIDOR J. KUSEL, Chicago, Ill., assignor to Stronghart Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1920. Serial No. 363,013. 8 Claims. (Cl. 133-7.)



1. A coin bank having a coin holder or receptacle and also having an outer shell or casing provided with a series or row of slots for said holder or receptacle, said slots being inclined to the longitudinal axis of said holder or receptacle, the upper end of each slot being above the lower end of the next adjacent slot.

1,511,484. COMBINATION METERING PUMP AND FUEL SPRAY VALVE. HOWARD B. PETERSON, San Francisco, Calif. Filed Oct. 25, 1922. Serial No. 390,708. 9 Claims. (Cl. 123-32.)

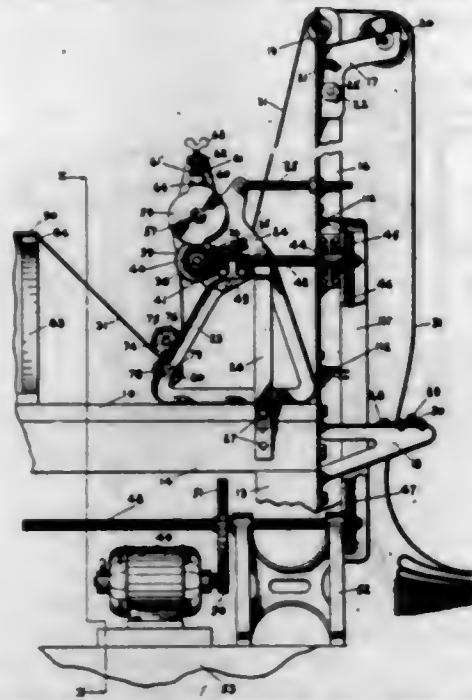


1. A device of the character described comprising a casing having a cylinder chamber formed therein, and a spray orifice in its lower end, a passage formed in the cylinder for delivering liquid fuel under pressure to the cylinder, a check valve in said passage, a pump cylinder slidably mounted in the cylinder and having a needle valve on its lower end engaging the spray orifice, a combined metering and injecting plunger reciprocally mounted in the pump cylinder, means for imparting a reciprocal stroke to the plunger, and means for increasing or decreasing the stroke of the plunger and simultaneously advancing or retarding the time of the stroke.

1,511,485. CLOTH MARKING AND FOLDING MACHINE. HENRY A. WAGNER, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 21, 1921. Serial No. 446,029. 14 Claims. (Cl. 270-21.)

1. In a device of the class described, a frame, cloth feeding mechanism mounted thereon, a marking strip rotatably mounted adjacent the cloth and adapted to periodically contact therewith, a spring-pressed holder provided with a layer of material saturated with a marking fluid and means controlled by said feeding

mechanism adapted to cause said strip to rotate and said holder to be moved outwardly, and thence inwardly by



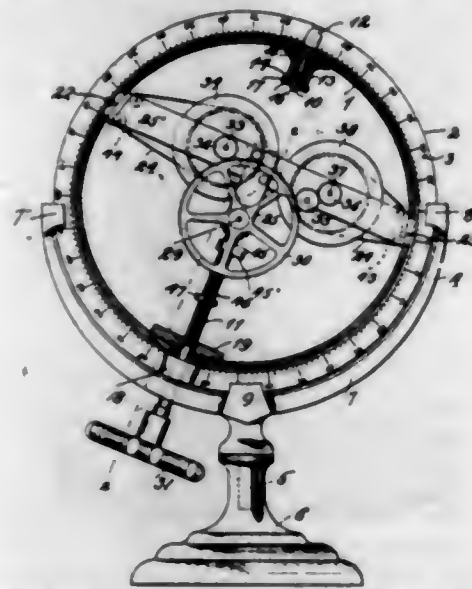
the action of the spring to cause the saturated material to contact with the marking strip previous to contacting with the cloth.

1,511,486. MACHINE FOR RECESSING PLASTER LATH BOARD. EDWARD WESTBERG and JOSEPH STRAND, Los Angeles, Calif. Filed Jan. 2, 1923. Serial No. 610,130. 8 Claims. (Cl. 144-136.)



1. A machine of the character described comprising a frame, a plurality of circular cutters carried by the frame, means for conveying the boards along the frame beneath the cutters, and means adapted to interrupt the travel of boards being conveyed when positioned directly below the cutters and to cause the boards to momentarily contact with said cutters by direct vertical movement during said interruption.

1,511,487. GEOGRAPHICAL GLOBE. CHARLES M. WILLIAMS, Los Angeles, Calif. Filed Mar. 29, 1922. Serial No. 547,638. 16 Claims. (Cl. 35-5.)



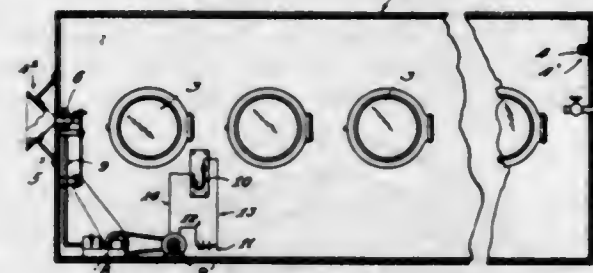
1. A globe mounted for axial rotation in combination with a register contained within the globe and of places on said globe, said register furnished with means for ascertaining location of said places on said globe.

1,511,488. WELL TORPEDO. FORD I. ALEXANDER, Los Angeles, Calif., assignor to The Ford Alexander Corporation, Los Angeles, Calif., a Corporation of California. Filed Sept. 11, 1922. Serial No. 587,340. 2 Claims. (Cl. 102-4.)



1. A well torpedo comprising an inner container provided with a plurality of vertically disposed pressure equalizing apertures, an outer compartment enclosing said inner container, and means maintaining said inner container from contacting with said outer compartment.

1,511,489. APPARATUS FOR SUPPLYING AIR TO OCCUPANTS OF AIRCRAFT. LAVANDA M. ARMSTRONG, Peoria, Ill., assignor to Wm. J. H. Strong, Chicago, Ill. Filed July 9, 1919. Serial No. 309,772. Renewed Mar. 14, 1924. 5 Claims. (Cl. 244-30.)

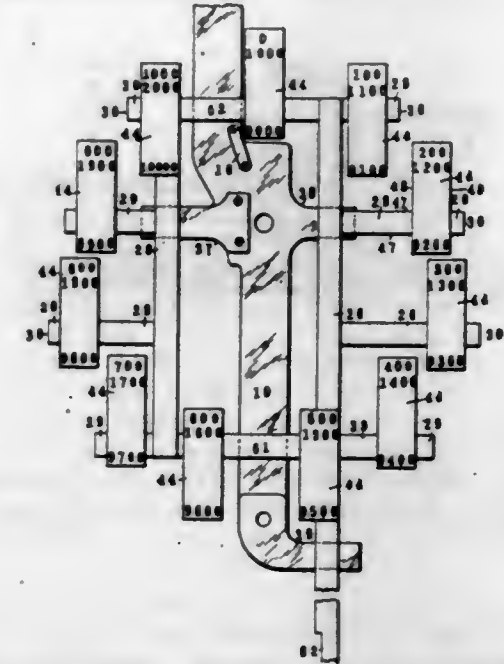


1. In an air craft, the combination with a compartment capable of being made air tight, of means including a funnel through which to introduce air to said compartment automatically in rarefied atmospheres in the travel of the craft against the air, and mechanism for automatically closing said funnel and introducing air into such compartment under still greater pressure than afforded by said funnel.

1,511,490. SCALE. ALAN E. ASHCRAFT, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Mar. 16, 1921. Serial No. 452,710. 32 Claims. (Cl. 265-48.)

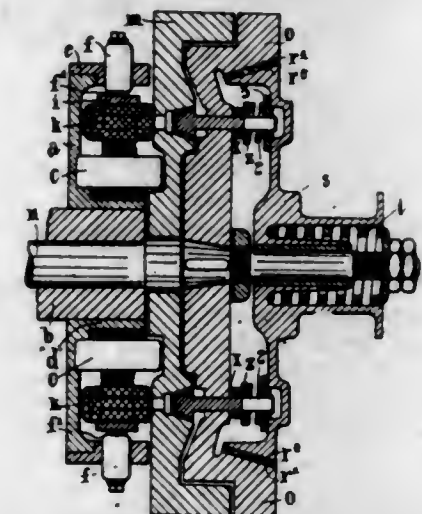
1. A scale comprising a registering mechanism including a number carrier, means adapted to cause movement

of said carrier relative to other parts of said mechanism, said carrier including a plurality of numbered plates in-



dependently adjustable longitudinally and laterally with respect to the path of said relative movement.

1,511,491. FLYWHEEL DYNAMO-ELECTRIC MACHINE FOR INTERNAL-COMBUSTION ENGINES. RALPH LEONARD ASPDEN, Chorley, England, assignor to The Aspden Fly-Wheel Dynamotor Syndicate Limited, London, England. Filed May 2, 1922. Serial No. 557,889. 6 Claims. (Cl. 290-22.)

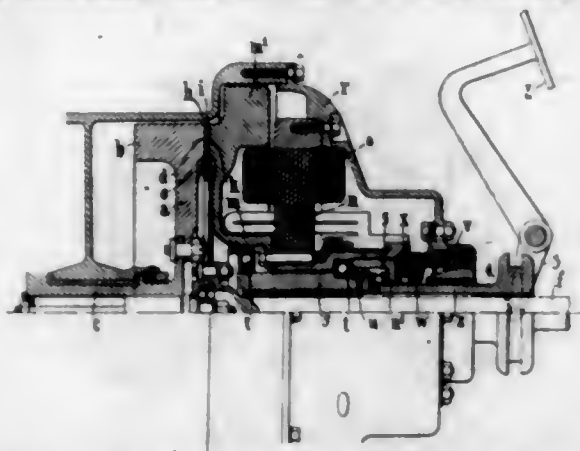


1. In apparatus of the kind indicated, the combination of an engine having a shaft, a dynamo-electric machine having a rotary element co-axial with said shaft, clutch means for placing said rotary element into operative relation to said shaft to form a driving-driven unit, a transmission element, clutch means for connecting said transmission element to said driving-driven unit together with a single instrumentality for operating both said clutch means, said instrumentality being in permanent operative relation thereto, as set forth.

1,511,492. FLYWHEEL DYNAMO-ELECTRIC MACHINE FOR INTERNAL-COMBUSTION ENGINES. RALPH LEONARD ASPDEN, Chorley, England. Filed Dec. 19, 1923. Serial No. 681,649. 5 Claims. (Cl. 290-48.)

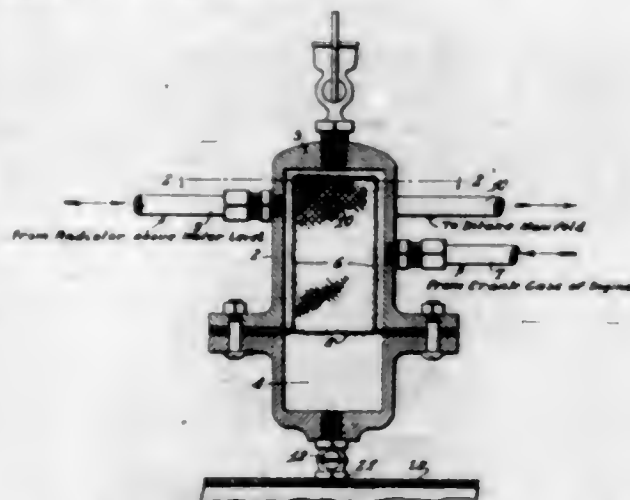
1. A device of the kind indicated having an engine shaft and a co-axial transmission shaft and rotary member of a dynamo-electric machine mounted as independently rotatable elements, and force-transmitting means

severally mounted on said rotatable parts, the force-transmitting means mounted on said transmission shaft being interposed between the force-transmitting means



mounted on said engine shaft and rotary member, together with a single instrumentality for bringing all said force-transmitting means into operative relation, as set forth.

1,511,493. GAS ECONOMIZER. WILLIAM E. BARNUM, Port Moody, British Columbia, Canada, assignor of one-half to John Alexander McConnell, Port Moody, Canada. Filed Dec. 21, 1921. Serial No. 523,957. 6 Claims. (Cl. 123-25.)



1. In an internal combustion engine, means for drawing gases severally from the crankcase, the push rod chambers and the upper part of the radiator into a mixing chamber, means for mixing them in the presence of heat, drawn from the exhaust, and means for delivering the mixed gases into the intake of the engine.

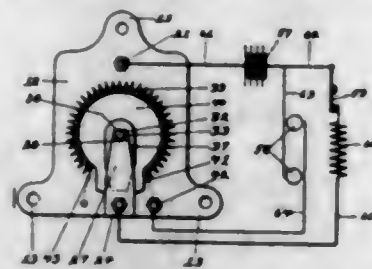
1,511,494. PROCESS FOR MAKING OR CONCENTRATING HYDROGEN PEROXIDE. GUSTAV BAUM, Carinthia, Austria, assignor to the Firm of Chemische Fabrik, Weissenstein G. m. b. H., Carinthia, Austria. Filed Aug. 22, 1922. Serial No. 533,666. 1 Claim. (Cl. 23-10.)

The process of making or concentrating hydrogen peroxide, which consists in evaporating a persulphuric compound and in condensing the vapors of hydrogen peroxide formed therefrom in vessels of tantalum, said metal being inert and non-catalytic with respect to said per-compounds.

1,511,495. CONTROL MECHANISM. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 13, 1917. Serial No. 106,520. 10 Claims. (Cl. 171-97.)

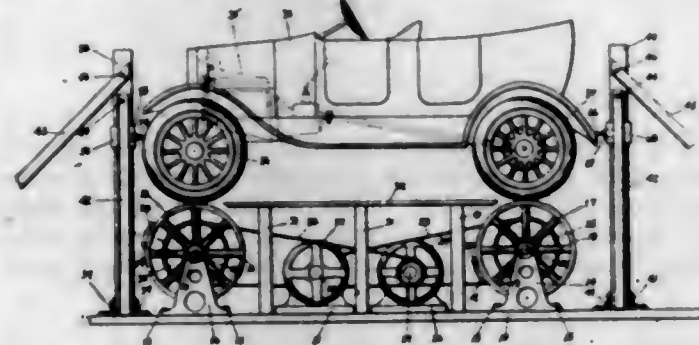
1. A device of the class described comprising the combination of a face plate; a switch block secured thereto; a resistance coil carried by said switch block, one end of said coil being connected with a terminal; a metallic hub journaled in said switch block and elec-

trically connected with a second terminal; a contact arm carried by said hub and adapted to engage said resistance coil; a second contact arm carried by said switch block and electrically connected with a third terminal; and a switch plug insertable through said face



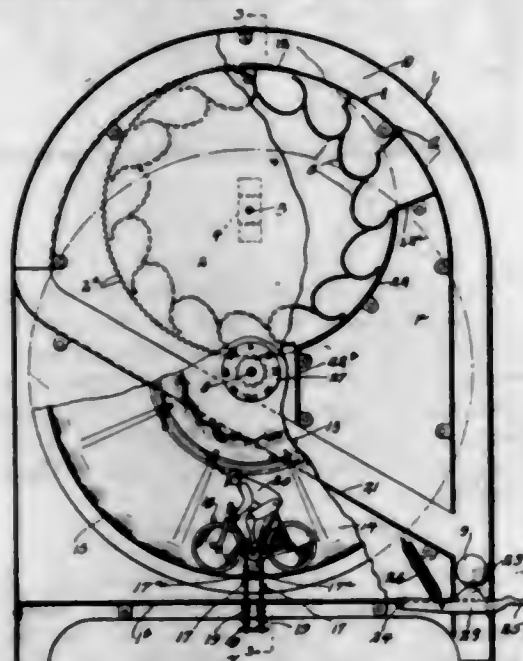
trically connected with a second terminal; a contact arm carried by said hub and adapted to engage said resistance coil; a second contact arm carried by said switch block and electrically connected with a third terminal; and a switch plug insertable through said face

1,511,496. AUTOMOBILE TESTING APPARATUS. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 13, 1919. Serial No. 270,887. 7 Claims. (Cl. 73-51.)



1. In an apparatus of the class described, a supporting wheel, a block mounted upon said wheel for imparting vibration to the automobile wheel supported thereon, said block having an inclined surface on one side substantially meeting the periphery of the wheel, the opposite side being formed to afford a precipitous drop for the automobile wheel to the surface of the supporting wheel.

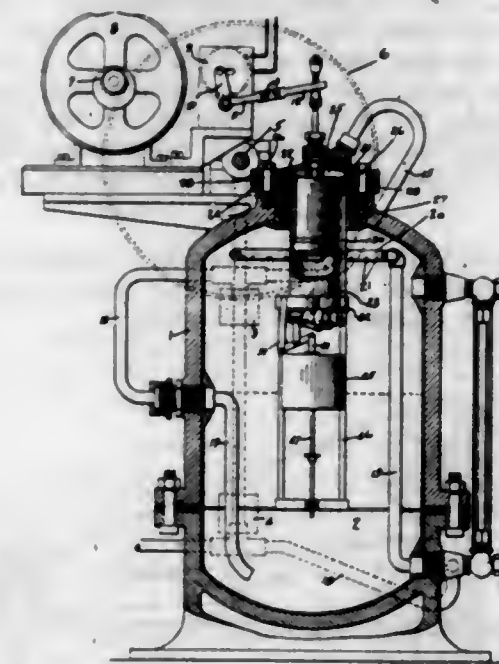
1,511,497. TOY. ROBERT A. BONINI, Monessen, Pa. Filed Sept. 23, 1922. Serial No. 390,173. Renewed Aug. 27, 1924. 3 Claims. (Cl. 46-57.)



1. In a toy of the character described, a casing, a member rotatably mounted in the casing and provided with a plurality of pockets, said casing being provided

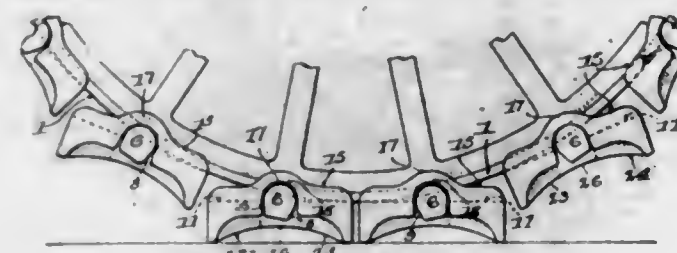
with a passage-way extending about the upper portion of said member and having openings for permitting a ball projected through the passage-way to drop into one of the pockets, a disc rotatably mounted in the casing, a figure mounted in advance of said disc, means for imparting movement to the figure from the disc during rotation of the disc, and driving connections between said member and the disc.

1,511,498. CARBONATING APPARATUS. JOSEPH A. BORRER, Decatur, Ill. Filed May 4, 1922. Serial No. 558,535. 11 Claims. (Cl. 103-25.)



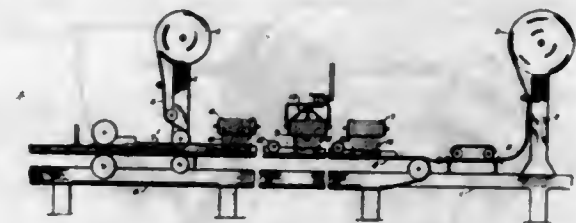
8. An attachment for a carbonating apparatus, comprising a supporting head, a ring associated therewith, said head provided with means for coupling a gas pipe thereto, a cylinder detachably connected to and suspended from said ring, a base for said cylinder provided with openings therein, certain of which communicate with the cylinder, a pipe connected with said head and in communication with an opening therein and with the cylinder through said ring, a piston reciprocally arranged in said cylinder, a switch actuating member connected with said piston and operating through said head, valve means associated with the openings in said base, a float located below the base, and valve actuating mechanism connected with said float and with certain of said valve means.

1,511,499. TREAD ATTACHMENT FOR VEHICLE WHEELS. WILBERT M. BORGAL, Milwaukee, Wis., assignor of one-half to Frank E. McIntyre, Milwaukee, Wis. Filed June 18, 1920. Serial No. 389,967. 9 Claims. (Cl. 305-13.)



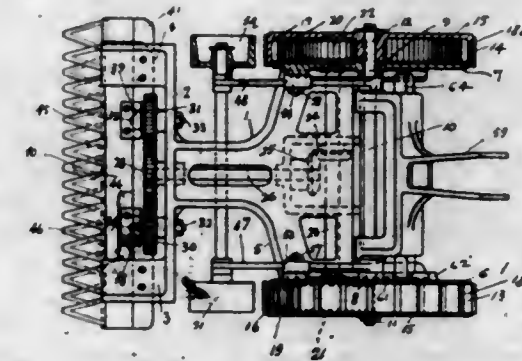
1. A tread attachment for wheel rims including the combination with a set of connecting members adapted to be secured rigidly to the periphery of the rim and provided with laterally projecting fulcrum portions, of a shoe comprising a rail provided with side flanges having upwardly arched portions spaced to embrace a rim and providing downwardly opening recesses arranged to receive said fulcrum portions.

1,511,500. PROCESS OF MAKING PLASTER BOARD. HARRY E. BROOKBY, Evanston, Ill. Filed Aug. 20, 1923. Serial No. 658,309. 7 Claims. (Cl. 154-2.)



5. The method of producing composition wallboard comprising the provision of a cover sheet, depositing thereon a layer of plastic cementitious material adapted to bond thereto, depositing on such layer a core of the same material adapted to produce an expanded cellular body and adapted to bond to said layer, depositing upon the core a layer of the same material as the first and laying a second cover sheet over said last layer.

1,511,501. LAWN MOWER. PHILIP ALEXANDER CAMPBELL, Vancouver, British Columbia, Canada. Filed July 15, 1921. Serial No. 485,015. Renewed Mar. 17, 1924. 2 Claims. (Cl. 56-259.)

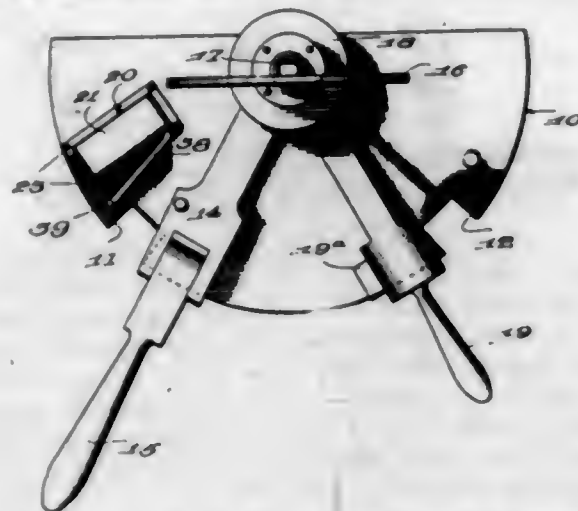


1. A lawn mower comprising a horizontal frame T-shaped at its front end and provided with horizontal flanges at each end of the T portion depressed out of the plane of the body, a transverse bar slotted in its front edge secured to said flanges, upper and lower knifed bars laterally slidable in said slot and on each other, inner circular side plates secured to opposite sides of the frame at its rear end, a shaft extending through said side plates having rotatably mounted on its opposite ends outer circular side plates dished to form traction surfaces the inner peripheries of which are formed as internal gears, a shaft rotatably mounted transversely of the frame and provided at each end with gears meshing with said internal gears and intermediate its length with a bevel gear, a longitudinal shaft provided at one end with a bevel gear meshing with the bevel gear aforesaid and at its opposite end extending through the T portion of the frame and provided with a spur pinion, spur pinions rotatably mounted on each side of the longitudinal shaft pinion each provided with a crank pin, and vertically slotted brackets in which said crank pins are operative the lower ends of which are secured respectively to the said upper and lower knifed bars.

1,511,502. CIRCUIT CONTROLLER. FLOYD AUGUSTUS CANTWELL, Irving, Kans. Filed Sept. 22, 1920. Serial No. 412,080. 3 Claims. (Cl. 200-59.)

1. In combination with the mechanism of the switch stand including a lever having a laterally extending lug, a circuit controller comprising an upper pair of normally spaced spring contacts, a lower pair of normally spaced spring contacts, and operating means for moving the contacts of either pair into engagement, consisting of an operating shaft, an operating arm carried on the inner end of the operating shaft, an adjustable contact engaging element for each pair of contacts carried by

the outer end of said operating arm, spring means engaged with the operating shaft for biasing the contact engaging elements, and a crank arm connected with



the operating shaft and engaged by the lug of the lever whereby the circuit controller is operated by the mechanism of the switch stand.

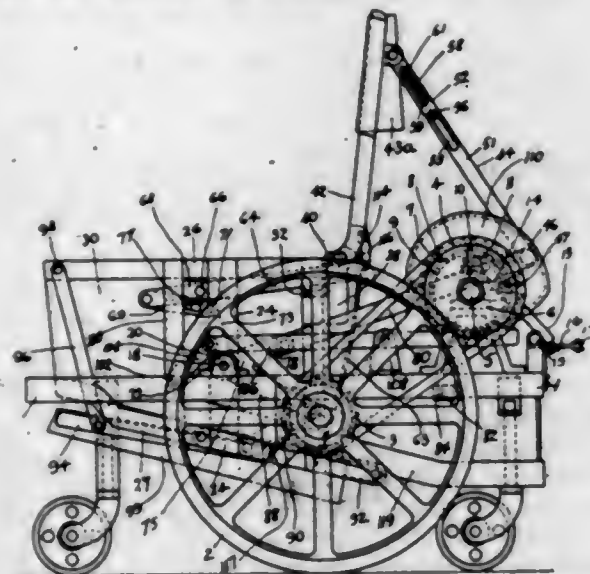
1,511,503. REFRACTORY MORTAR AND CEMENT COMPOSITION. CHARLES G. CARLSTROM, Lakewood, Ohio. Filed Jan. 31, 1923. Serial No. 616,210. 1 Claim. (Cl. 106-9.)

The herein-described composition of refractory materials, for the making of refractory mortars, cements or plasters, consisting of fire clay not more than twenty per cent of the total mass, salt not more than two per cent of the total mass, and coal ash not less than seventy-eight per cent of the total mass, substantially as described.

1,511,504. REFRACTORY MORTAR AND CEMENT COMPOSITION. CHARLES G. CARLSTROM, Lakewood, Ohio. Filed Jan. 31, 1923. Serial No. 616,211. 1 Claim. (Cl. 106-9.)

The herein-described composition of refractory materials, for the making of refractory mortars, cements or plasters, consisting of fire clay not more than twenty per cent of the total mass, salt not more than two per cent of the total mass, coal ash not less than sixty-eight per cent of the total mass and ganister rock not more than ten per cent of the total mass, substantially as described.

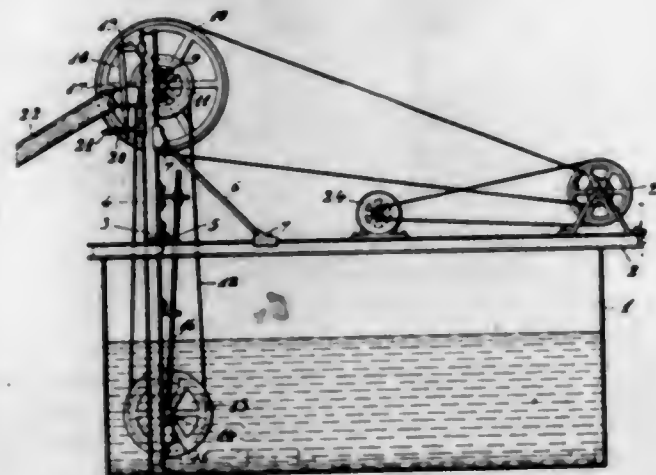
1,511,505. STOOKER. NORMAN HOWARD CAUFIELD, Victoria, British Columbia, Canada. Filed June 2, 1922. Serial No. 565,347. 9 Claims. (Cl. 56-424.)



1. In a stoker, the combination with a main frame, of a fixed axis secured to said frame, a sheaf-receiving basket comprising a pair of normally horizontal side

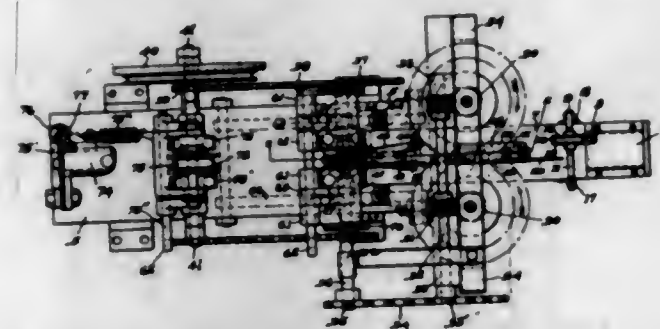
plates pivotally mounted on said axis and upper and lower plates forming the top and bottom closure plates of the basket when horizontal and the front and back plates when vertical, said top closure plate being normally in the open position, a suitably supported plate forming the front end closure plate of the horizontal basket and the bottom closure plate when vertical, said plate forming a platform on which the stook is supported, mechanism the operation of which tilts the basket about the said fixed axis to a substantially vertical position while closing the top closure plate, withdraws the said platform to deposit the stook and raises the back closure plate to clear the stook and then returns the back closure plate, the platform, the basket, and the top closure plate to their normal positions, means for operating the tilting mechanism, levers fulcrumed to the frame on opposite sides of the basket each connected at one end to it, and means whereby said levers are caused during the tilting movement of the basket to assume a position to maintain it tilted during the withdrawal of the platform and the back closure plate.

1,511,506. CRUDE-OIL ELEVATOR. EMILIO CORTES, Mexico, Mexico. Filed Nov. 20, 1923. Serial No. 675,967. 8 Claims. (Cl. 103-72.)



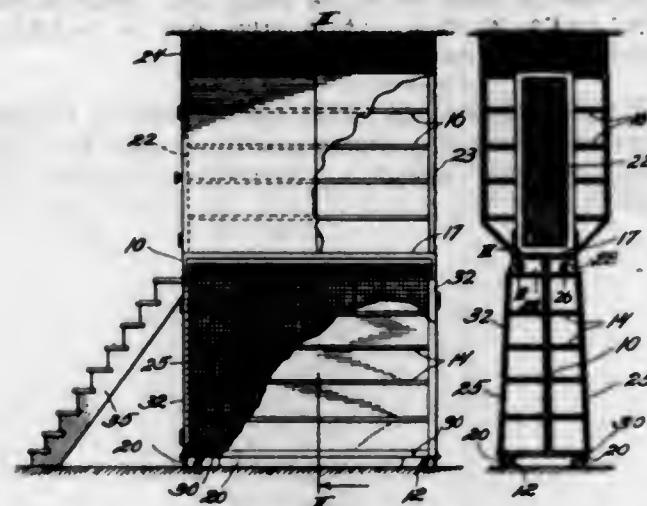
1. A crude oil elevator comprising a swinging frame, pulleys in each end thereof, an endless belt trained over said pulleys, stretching means for said belt, means for adjusting said frame at an inclination, a scraper tray yieldingly held against the endless belt, and means for driving said belt at slow speed.

1,511,507. MACHINE FOR MAKING MOLDING FOR UPHOLSTERING. EDGAR R. CREAMER, Connersville, Ind., assignor to The George R. Carter Company, Connersville, Ind., a Corporation of Indiana. Filed Dec. 31, 1923. Serial No. 683,558. 12 Claims. (Cl. 69-1.)



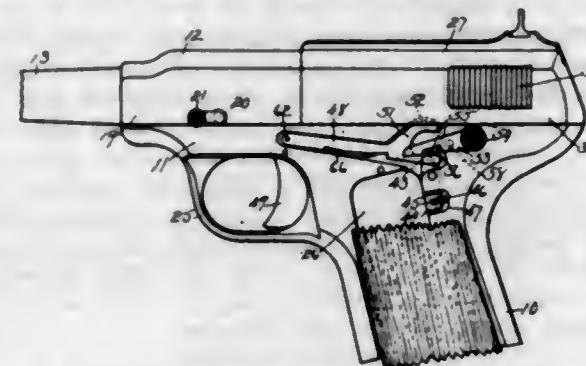
1. The method of forming molding for upholstery consisting in feeding a strip of material to form a covering, feeding a pair of beads and a flexible retaining device in parallel relation with said covering, folding the outer edges of the covering over the beads and retaining device, and applying pressure to the parts.

1,511,508. SHELVING STRUCTURE FOR RETAIL STORES. JULIUS CYTRON, Tulsa, Okla. Filed Nov. 13, 1922. Serial No. 600,745. 3 Claims. (Cl. 211-27.)



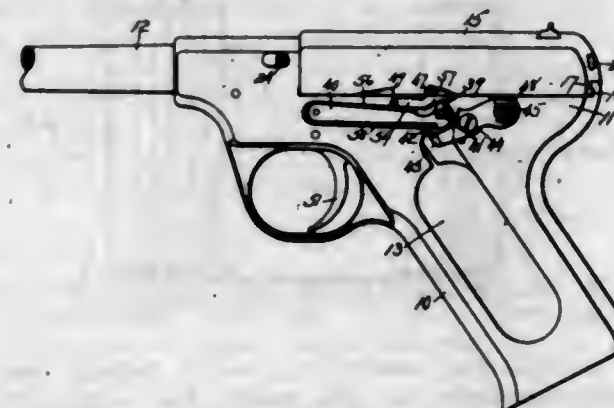
1. A structure of the character described comprising a framework provided with supporting rollers and formed with two lower sets of shelves arranged back to back, a platform above said shelves, and two upper sets of shelves facing each other and accessible from opposite sides of said platform.

1,511,509. FIREARM. LUCIUS N. DIEHM, West Hartford, Conn., assignor of one-half to Berkley C. Stone, Middletown, Conn. Filed Feb. 26, 1921. Serial No. 448,022. 11 Claims. (Cl. 42-3.)



1. A firearm including a frame comprising a fixed receiver section, a detachable receiver section removably secured to the front part of said fixed section and forming the front wall of a breech-bolt recess, a breech-bolt filling said recess and slidably resting upon and attached to said fixed receiver section, means for locking said sections in engagement one with the other, and a barrel removably secured to said detachable section.

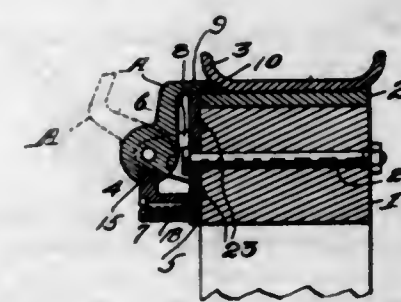
1,511,510. FIREARM. LUCIUS N. DIEHM, West Hartford, Conn., assignor of one-half to Berkley C. Stone, Middletown, Conn. Filed Aug. 6, 1921. Serial No. 490,224. 6 Claims. (Cl. 42-3.)



1. A firearm including a frame, a breech-bolt movably mounted therein and having a locking recess, means on the frame to engage said recess to hold the breech-bolt

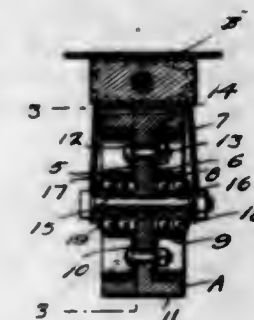
against movement, a disconnector pivotally mounted on the frame to engage said recess to be operated thereby, a trigger bar operatively connected with said disconnector, and other parts to complete the mechanism of said firearm.

1,511,511. FASTENING MEANS FOR DEMOUNTABLE AUTO RIMS. WASHINGTON L. DULANY, Woodstock, N. Y. Filed Mar. 22, 1923. Serial No. 626,860. 2 Claims. (Cl. 301-29.)



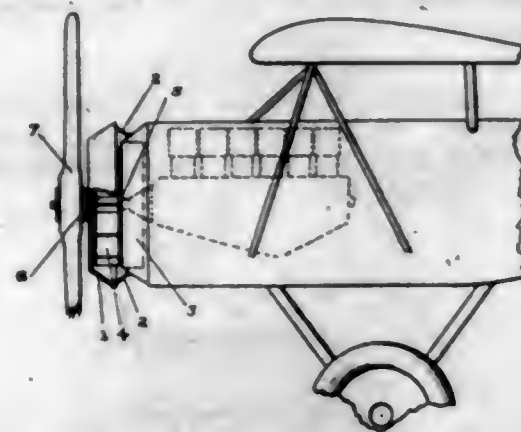
1. A rim securing device comprising a plate adapted to be secured to the side of a wheel felly, a rim engaging element having a flat body provided with a bevelled rim engaging free edge, an arm extending from said body and provided with a head pivotally connected with said plate and notch leading from its periphery and having one wall provided with a hook forming extension, and a locking device for securing the rim engaging element in a rim securing position and having a stem rotatably connected with said plate, and a head eccentrically carried by said stem and moving into and out of the notch formed in the head of the rim engaging element when the locking device is turned and having a curved groove in one face to receive the hook extension.

1,511,512. ROLLER FOR SKATES. THEODORE FEDUN, Detroit, Mich. Original application filed Jan. 14, 1922, Serial No. 529,232. Divided and this application filed Feb. 28, 1923. Serial No. 621,900. 1 Claim. (Cl. 46-52.)



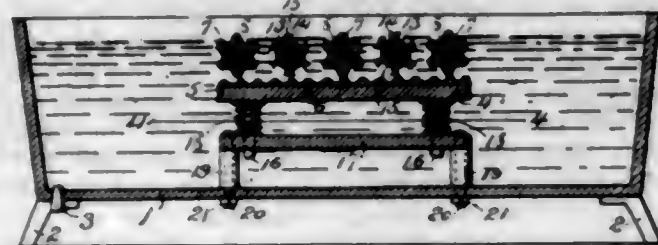
As a new article of manufacture, a roller for skates comprising a pair of spaced annular reinforcing rigid frame plates, a laterally extending flange formed on the outer periphery of each reinforcing rigid frame plate and a laterally extending flange formed on the inner periphery of each reinforcing rigid frame plate, the flanges being disposed in spaced parallel relation to one another, a resilient member including a disk-shaped body portion disposed between the annular reinforcing plates and extending inwardly of the laterally extending flanges formed on the inner peripheries of the plate and having an axial opening formed therein, an integral tread extending laterally on the opposite sides of the body portion engaging the outer surface of the laterally extending flanges formed on the outer periphery of the frame plates, and a ball bearing race fitted against the body portion of the resilient member and the inner surface of the laterally extending flanges formed on the inner periphery of the frame plates.

1,511,513. ARMORED AIRCRAFT. ANTHONY H. G. FOKKER, Amsterdam, Netherlands. Filed July 8, 1922. Serial No. 573,655. 7 Claims. (Cl. 244—31.)



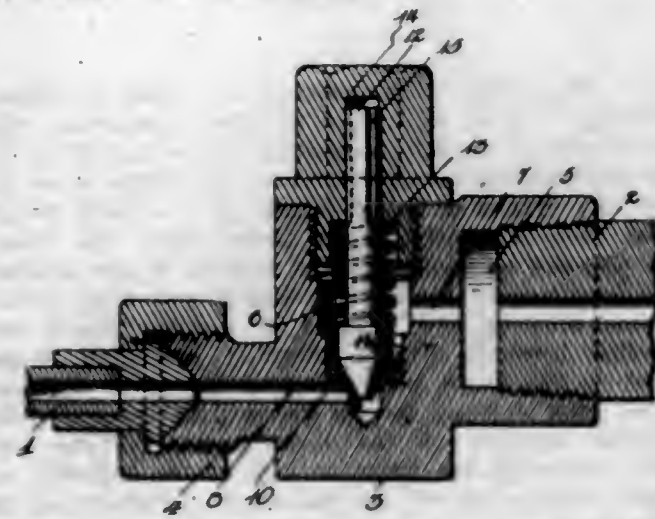
6. A protector for the radiators and adjacent parts of the power-plant and structure of aircraft, comprising a metallic guard of a configuration and area to substantially conceal said radiator, brackets for rigidly supporting said guard from said radiator to provide an air space between the radiator and said guard, and a fan housed within said guard.

1,511,514. WASHING MACHINE. LEE F. FRANKLIN, Kansas City, Mo., assignor of one-half to Gladys Smith, Kansas City, Mo. Filed Sept. 4, 1923. Serial No. 660,733. 2 Claims. (Cl. 69—23.)



1. In a washing machine, a tub, a horizontal guiding board having vertical holes therethrough, means for supporting the guiding board in the tub spaced apart from the bottom of the latter, a washboard above said guiding board provided with vertical downwardly extending pins vertically slidable in the holes of the guiding board, horizontal rollers rotatably mounted in the tub above and adapted to co-operate with said washboard, means for rotating said rollers, and coil springs encircling said pins and supported by the guiding board and supporting said washboard.

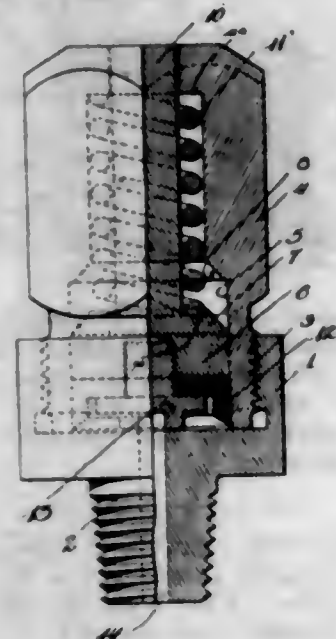
1,511,515. TERMINAL CHECK VALVE FOR MECHANICAL LUBRICATORS. FRANK A. GOODFELLOW, Altoona, Pa. Filed Sept. 9, 1922. Serial No. 587,243. 3 Claims. (Cl. 251—144.)



1. A check valve for lubricating systems or the like comprising a casing having inlet and outlet passages, a valve chamber within said casing, a hardened metal

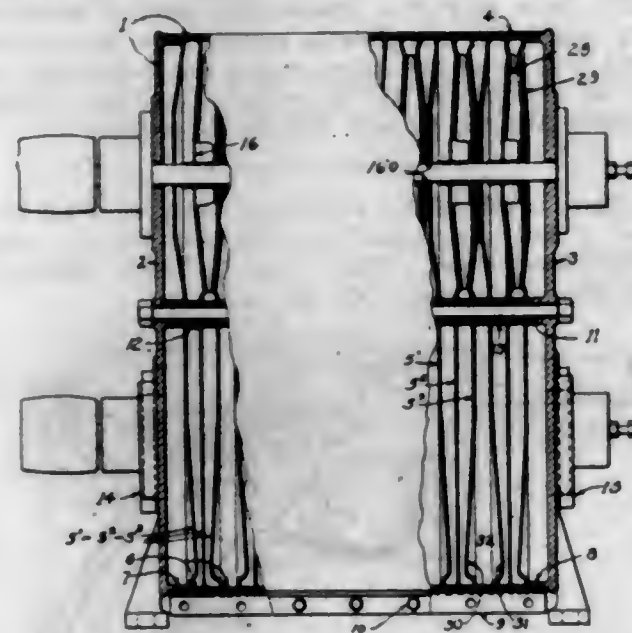
valve seat whose sides are angularly disposed, a pressure-operable valve in said chamber yieldingly held against said valve seat, said valve having its axis at substantially a right angle to said passages and its contacting face so disposed at an angle less than the angle of the seating surface of said valve seat as to afford a single hair line contact therewith.

1,511,516. TELLTALE FOR MECHANICAL LUBRICATORS. FRANK A. GOODFELLOW, Altoona, Pa. Filed Sept. 9, 1922. Serial No. 587,244. 3 Claims. (Cl. 116—117.)



1. A telltale for mechanical lubricating systems, comprising a cylindrical body member, a base member having an oil pump communication to the interior of said body member, a piston adapted to reciprocate in said body member, a piston stem associated with said piston and adapted to extend outwardly of said body member when said piston is under pressure, a packing washer mounted on said piston, and a fastening means holding said packing washer in place having a lug extending below said packing washer and adapted to engage said base member to prevent mutilation of said washer.

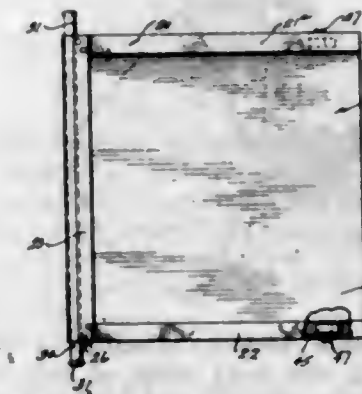
1,511,517. MULTIPLE FAN. NELSON H. HENDERSON, Syracuse, N. Y. Filed July 15, 1921. Serial No. 485,126. 20 Claims. (Cl. 230—11.)



1. A multiple fan comprising a casing, parallel shafts extending lengthwise of the casing, the casing being formed with fan chambers, fans mounted respectively on the shafts within the chambers, one fan in each chamber, the fans in adjacent chambers being mounted on

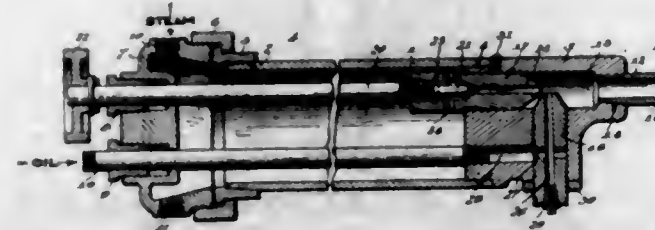
different shafts and the fan on one shaft communicating with the next fan chamber through an opening concentric with the shaft on which the fan is mounted, whereby the fans of the series on one shaft are arranged alternately with the fans on the other shaft and means for actuating the shafts.

1,511,518. FILE LEAF FOR ACCOUNT RECORDS. ORIEL JUVET, Ferndale, Wash. Original application filed Dec. 21, 1922. Serial No. 608,273. Divided and this application filed Oct. 15, 1923. Serial No. 668,686. 6 Claims. (Cl. 40—102.)



1. As an article of manufacture, a filing leaf for file cabinets comprising a plate having opposite sides provided with attaching flanges, and a U-shaped frame formed of channel members and having said plate positioned therein with its attaching flanges connected to the side arms of the frame, portions of the frame at opposite sides of the plate providing pockets for receiving sheets of records therein, and means in said pockets for frictionally gripping the sheets of records placed therein.

1,511,519. OIL BURNER. MATHIAS RABER, Bend, Oreg. Filed Aug. 24, 1923. Serial No. 659,194. 6 Claims. (Cl. 158—75.)

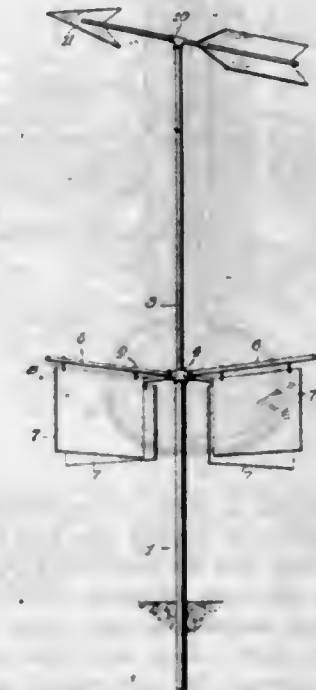


1. An oil burner comprising a head into which steam is to be introduced, a casing to contain the steam, a connection by which the casing is joined to the head up to which the casing is insertable into a furnace to be subjected to the heat for the superheating of the steam, mixing apparatus at front of the casing including a mixing chamber, a nozzle directed into said chamber and receiving superheated steam from said casing, an oil nozzle directed into said chamber at right angles to the steam nozzle, and an oil supply pipe for the oil nozzle extending through the superheated steam atmosphere into said mixing apparatus.

1,511,520. CATALYST AND PROCESS OF MAKING THE SAME. WILLIAM H. REES, Berkeley, Calif. Filed June 15, 1920. Serial No. 389,179. 17 Claims. (Cl. 23—28.)

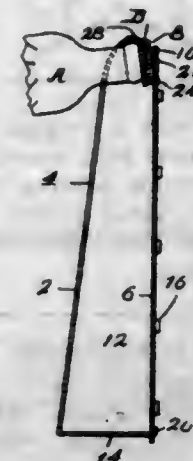
1. In the method of making catalytic material from a solution of a potential catalyzer absorbed in a carrier, the step of precipitating said potential catalyzer without the addition of reagents.

1,511,521. ADVERTISING DEVICE. PAUL REYNOLDS, Chattanooga, Tenn. Filed Dec. 29, 1923. Serial No. 683,494. 1 Claim. (Cl. 40—37.)



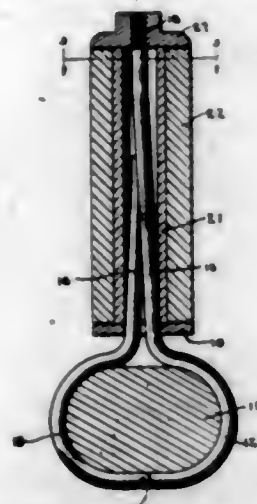
An advertising device comprising a vertically disposed hollow supporting column having a race way formed in its upper end for receiving anti-frictional bearing devices, a rod of length greater than the column having its lower end telescopically engaged in the open upper end of said column, a bearing collar fixedly secured to the lower portion of said rod, and seated upon the upper end thereof and over the anti-frictional devices, a plurality of radially disposed socketed extensions formed integral with said collar, a plurality of radially disposed placard supporting rods fixedly engaged with said extensions, placards suspended from said supporting rods, and a wind actuated means fixedly mounted upon the upper end of the rod.

1,511,522. COMBINED BOTTLE-CAP REMOVER AND RECEIVER. EMANUEL ROLSKY, Kansas City, Mo. Filed July 17, 1922. Serial No. 575,699. 2 Claims. (Cl. 65—46.)



1. A device of the character described formed from one piece of material and consisting of a cap remover and receptacle provided at its upper front portion with a relatively large opening to admit the upper portion of a bottle and provided at its upper rear portion with a smaller opening to admit a portion of a cap on the bottle whereby when the latter is pressed downwardly said cap is removed by engagement with the rear wall of the receptacle and the upper edge of the small opening and falls into the lower portion of the receptacle, substantially as described.

1,511,523. HANDLE FOR STEERING WHEELS. JOHN HAROLD RUCKER, Irving, Ill. Filed Oct. 18, 1923. Serial No. 669,417. 1 Claim. (Cl. 74-33.)



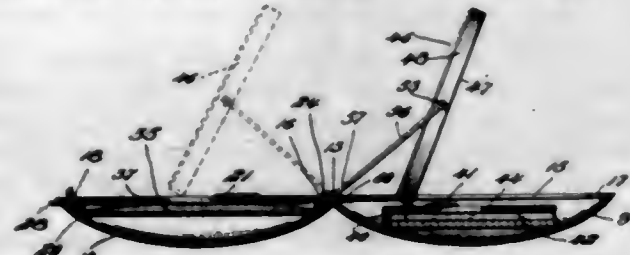
A handle comprising a pair of members formed of rod-like material and each having one end portion forming a portion of a loop and its remaining portion providing a stem portion, the loop forming portions being pivotally connected for movement into and out of loop forming relation to each other and the stem portions being disposed to extend in converging relation when in an operative position with one stem portion having its free end in close engagement with the second stem portion intermediate the length thereof and the second stem portion having its free end portion threaded, a disk having an elongated slot receiving the converging portions of said stem portions, a sleeve fitting about the stem portions and having an internal diameter corresponding to the length of the slot in said disk, a hand hold rotatable upon said sleeve, and a cap nut screwed upon the threaded upper end of the second rod portion and engaging the end of said sleeve without having binding engagement with the hand hold.

1,511,524. SAFETY DEVICE. JOHANNES RUTHS, Djurs-holm, Sweden, assignor to Aktiebolaget Vapor-Ackumu-lator, Stockholm, Sweden, a Corporation. Filed July 10, 1922. Serial No. 574,090. 7 Claims. (Cl. 137-111.)



1. The combination with a receptacle under pressure, of a Laval nozzle adjacent said receptacle for preventing an excess quantity of steam passing from the receptacle, the receptacle and the Laval nozzle being arranged so that all steam passing from the receptacle must pass through the Laval nozzle.

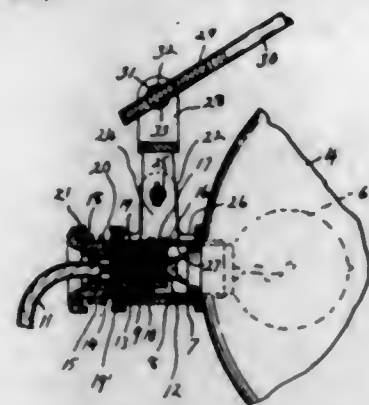
1,511,525. COMPACT CONTAINER. ALBERT G. SAART, Attleboro, Mass., assignor to Saart Brothers Company, a Corporation of Rhode Island. Filed June 26, 1924. Serial No. 722,469. 3 Claims. (Cl. 132-83.)



1. In a container of the type set forth, two convex concave wings, a hinge connecting the wings, horizontally disposed inwardly directed flanges upon the wings, a

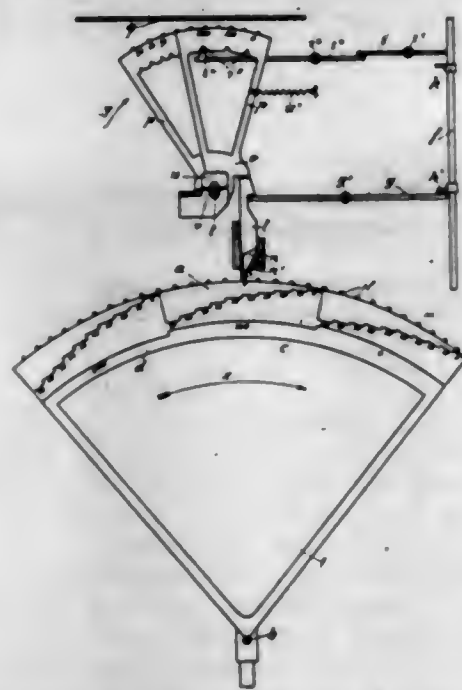
catch in one wing engageable with the flange of the other wing, and a spring member in one wing engageable with the flange of the opposite wing to separate the wings when the catch is released.

1,511,526. HEADLIGHT ATTACHMENT. ERNEST O. SMITZ, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 28, 1922. Serial No. 584,674. 5 Claims. (Cl. 240-44.)



1. The combination with a reflector, of illuminating means normally at the focal point of said reflector, a holder carried by said reflector and having a slot formed therein, projections integral to and extending from said holder upon opposite sides of said slot, a support for said illuminating means carried by said holder and provided with a plurality of openings, and means engaging said projections extending through said slot and engaging said openings for moving said support to change the focus.

1,511,527. WEIGHING MACHINE WITH AUTOMATIC INDICATING OR PRINTING DEVICE. PAUL SEITZ and A. KRÄMER, Kreuznach, Germany. Filed June 1, 1922. Serial No. 565,247. 3 Claims. (Cl. 234-1.)



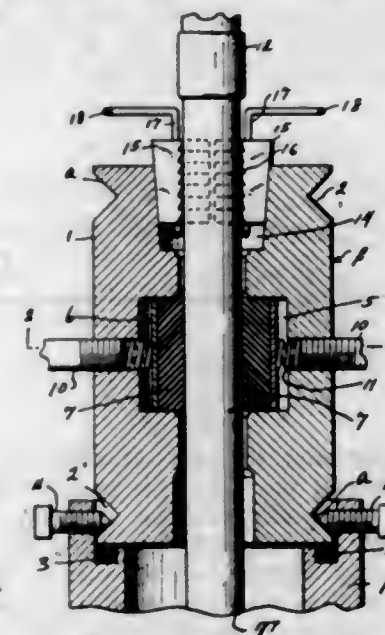
1. Indicating or printing mechanism for a weighing machine, comprising an oscillatory sector having a plurality of segments, said segments being graduated according to different denominations of weight, a plurality of movable indicating or printing elements, a plurality of keys, means for moving said keys into engagement with said sector and segments after said sector has been moved by the load to be weighed, and means for moving said indicating or printing elements into engagement with said keys, while the latter are in engagement with said sector and segments, for the purpose of determining the indicating or printing position of said elements.

1,511,528. SAFETY SEA SUIT. ALFRED V. SIMS, New York, N. Y. Filed Apr. 25, 1918. Serial No. 230,687. 13 Claims. (Cl. 9-20.)



1. A safety sea suit having floats, the body portion of said suit having a vertical opening and lateral slits therefrom, a bellows secured to the bottom and sides of said opening, said bellows being adapted to fold when said bellows is closed and having its top portion enter within said slits and means for clamping said top portion in said slits.

1,511,529. COMBINED SPIDER AND GAS SAVER. HARVEY R. STANDLEE, Tulsa, Okla. Filed Sept. 19, 1923. Serial No. 663,641. 1 Claim. (Cl. 285-22.)

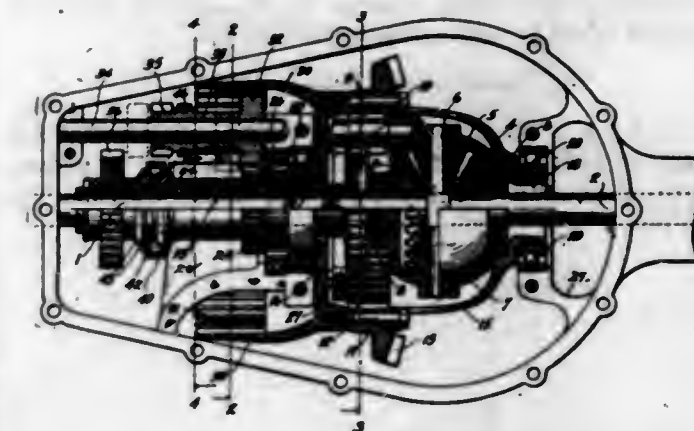


A combined spider and gas saver comprising a tubular member adapted to be mounted upon a casing head, an intermediate portion of the bore of the spider being enlarged to provide opposed pockets each angular in cross section, a substantially U-shaped plate snugly engaged within each of said pockets, a packing snugly engaged within each of said plates, the opposed faces of the packing being grooved to properly engage a tubing inserted through the spider, each of the pockets being of a depth greater than the depth of the plate, said plate being movable within the pocket, said spider having openings in the wall thereof, each of said pockets having an opening in communication therewith, a member threaded within each of said openings, and an expansible member interposed between the inserted end of each of said first named members and the adjacent plate.

1,511,530. DRIVING GEARING FOR MOTOR-DRIVEN VEHICLES. CHARLES E. STARR, Bellingham, Wash., assignor to Perfecto Gear Differential Co., Bellingham, Wash., a Corporation of Washington. Filed July 21, 1921. Serial No. 486,428. 23 Claims. (Cl. 74-99.)

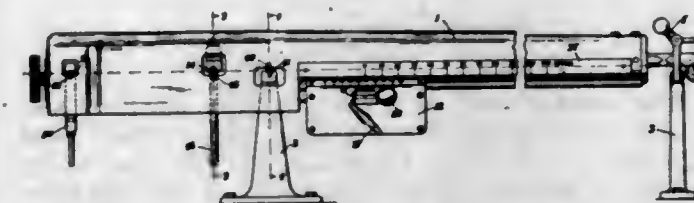
1. The combination with a differential gear system including a casing, of a planetary gear system including

an inner gear and a master gear and having intermediate gears journaled on the differential casing, and means for optionally locking the inner gear of the planetary system to turn with the differential casing or to hold it against turning or to revolve it relative to the master gear of the planetary system at a higher speed in the opposite direction.



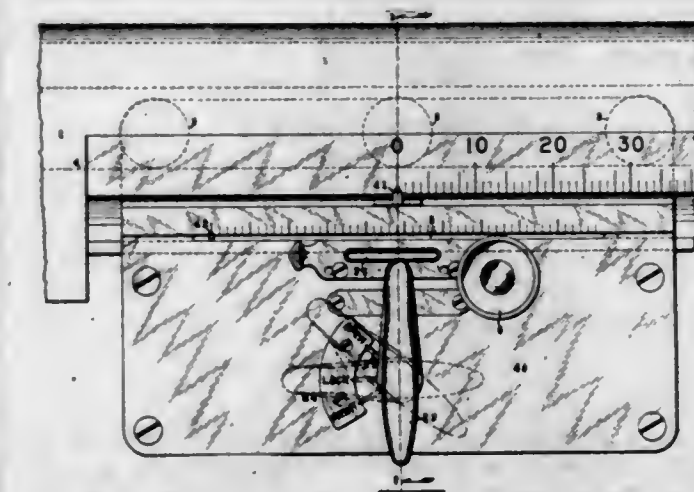
tem to turn with the differential casing or to hold it against turning or to revolve it relative to the master gear of the planetary system at a higher speed in the opposite direction.

7,511,531. SCALE. MORTON H. STARR, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Feb. 1, 1921. Serial No. 441,544. 36 Claims. (Cl. 265-6.)



1. A weigh-beam for scales having a longitudinally extending recess on the underside thereof, and a poise mounted in said recess and longitudinally movable along said beam, said poise having a three-point suspension with the said beam.

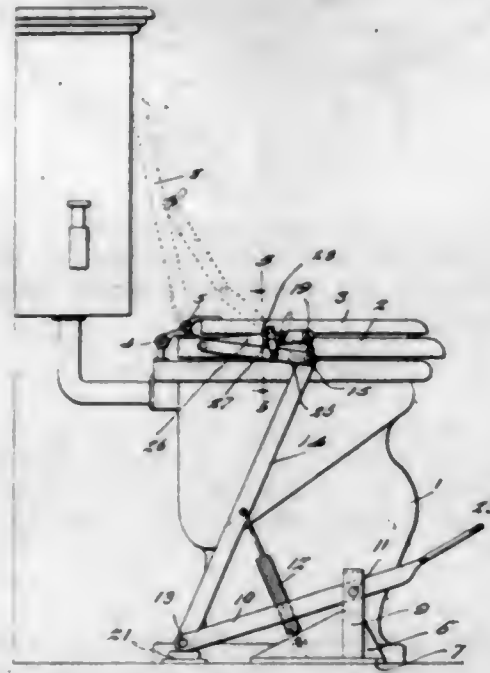
1,511,532. POISE FOR WEIGH BEAMS. MORTON H. STARR, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed May 8, 1922. Serial No. 559,176. 20 Claims. (Cl. 265-6.)



1. In a weighing device, in combination, a weigh-beam, a poise supported by said weigh-beam and movable thereon, means for locking said poise on said

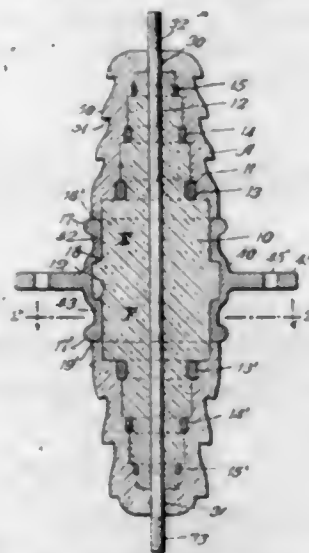
weigh-beam, means for operating said locking means, weight printing mechanism, said operating means when operated one way being adapted to automatically hold said locking means, in unlocking position, and when operated another way being adapted to sequentially lock the poise and operate said printing mechanism.

1,511,533. TOILET SEAT AND SEAT-COVER ADJUSTING MEANS. WILLIAM HENRY STASZAK, Milwaukee, Wis. Filed Nov. 19, 1923. Serial No. 675,687. 6 Claims. (Cl. 4-251.)



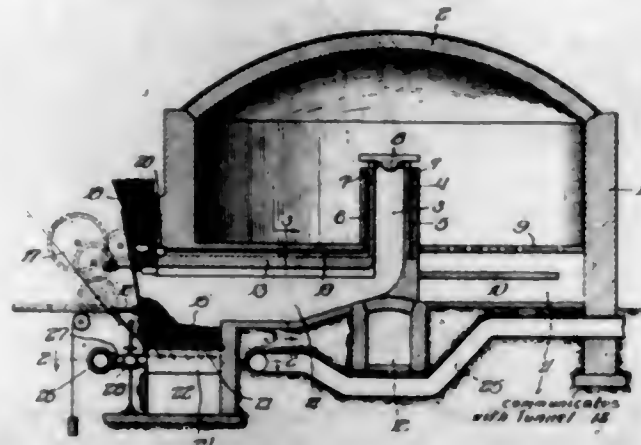
1. The combination with the hingedly mounted seat and seat cover complementary to a water closet bowl, of a base, a foot lever fulcrumed on the base, a bar connected to and extending upwardly from the foot lever, a lower bracket carried by the seat and connected with the bar, an upper bracket carried by the seat cover and connected with the bar, and a spring relatively arranged to restore the foot lever bar and brackets to normal position and the seat and seat cover to closed positions.

1,511,534. INSULATED CONNECTER. LOUIS STEINBERGER, Brooklyn, N. Y. Filed May 5, 1919. Serial No. 294,698. 4 Claims. (Cl. 173-311.)



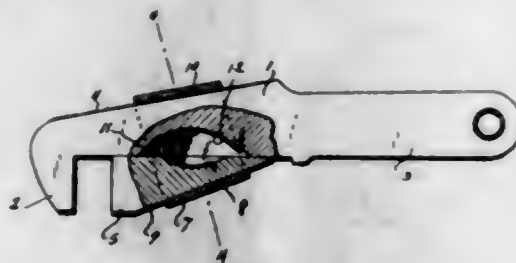
1. In a device of the kind described, a body of insulating material, a conductor molded therein and extending therethrough, two groups of metallic rings, the several rings of each group having different surface areas, a group surrounding the conductor at each end, the rings of each group being progressively graded with respect to the areas of their cross sections.

1,511,535. KILN CONSTRUCTION. ENOCH P. STEVENS, Chicago, Ill.; Mary Ann Stevens executrix of said Enoch P. Stevens, deceased. Filed Nov. 16, 1922. Serial No. 601,206. 11 Claims. (Cl. 25-145.)



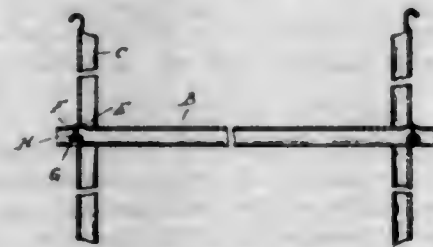
1. A kiln, comprising an upstanding flue providing a chamber for the passage of gases and a space surrounding said chamber for the passage of air, said flue being provided with means for directing said gases horizontally and means for directing said air at an angle inclined to the vertical.

1,511,536. WRENCH. CARY M. STRICKLER, Richmond, Va., assignor to American Wrench Manufacturing Company, Incorporated, a Corporation of Virginia. Filed May 23, 1923. Serial No. 640,930. 1 Claim. (Cl. 81-154.)



A wrench comprising a shank provided with a fixed jaw, a wedge shaped movable jaw associated with the shank, a sleeve embracing the jaw and shank, opposed faces of the shank and movable jaw being provided with pockets, and a leaf spring housed within the pockets, the extremities of said leaf spring being secured within said pockets at adjacent end portions of the pockets, the point of connection between the spring and movable jaw being at all times inwardly of the point of connection between said spring and the shank, said spring being placed under tension upon movement of the second jaw in a direction away from the fixed jaw of the shank.

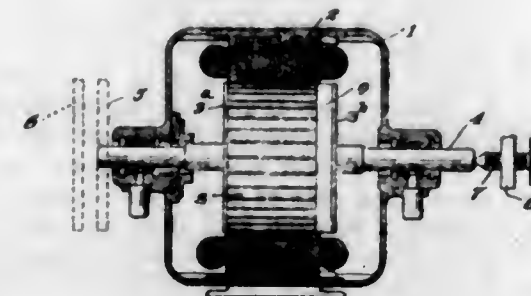
1,511,537. APPARATUS FOR BUILDING CONCRETE STRUCTURES. GUSTAV STROM, Pontiac, Mich., assignor of forty-nine one-hundredths to Peter D. Johnston, Pontiac, Mich. Filed July 2, 1921. Serial No. 482,040. 7 Claims. (Cl. 25-121.)



1. A mold for cement blocks or slabs comprising a plurality of parallel arranged side members, each having a projecting apertured ear at one end thereof, and a

hook at the opposite end, cross members apertured to engage said ears and secured by the engagement of hooks of an adjacent pair therewith.

1,511,538. ELECTRIC MOTOR. HARVE R. STUART, Springfield, Ohio, assignor to The Robbins and Myers Company, Springfield, Ohio, a Corporation of Ohio. Filed Jan. 3, 1922. Serial No. 526,792. 14 Claims. (Cl. 172-120.)



2. In an electric motor, a stator member, a rotor member, one of said members being capable of being displaced endwise relatively to the other member, the member forming the armature having a magnetic core and end rings, one of said rings being spaced away from said core so as to bring the rings substantially equidistant from the center of the fields when one of said members is in displaced position.

1,511,539. CONTAINER. MURRELL A. SUAREZ, Birmingham, Ala. Filed Jan. 16, 1924. Serial No. 686,670. 3 Claims. (Cl. 40-19.)

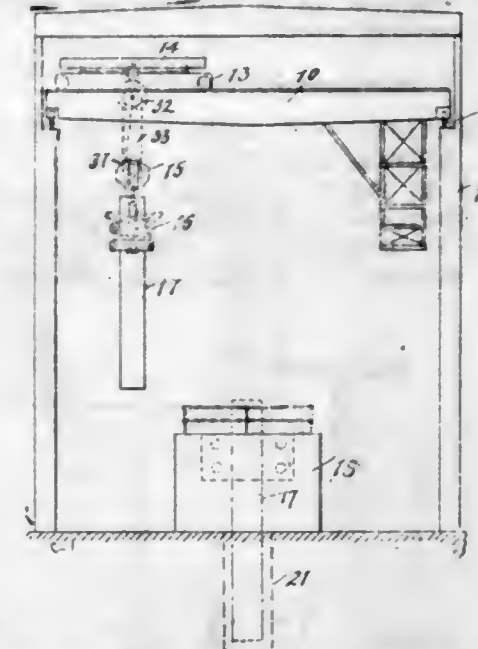


2. A device of the character described, comprising a mounting plate, a tubular outer member closed overhead, means to pivotally support said member from its closed end, a receptacle adapted to telescope into said member and having its lower end closed, a staple on said mounting plate, and means to latch the receptacle and outer member in assembled position to said staple.

1,511,540. METHOD OF FORGING INGOTS, BILLETS, AND THE LIKE. IVOR D. THOMAS, Cleveland Heights, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 2, 1920. Serial No. 421,205. 1 Claim. (Cl. 78-81.)

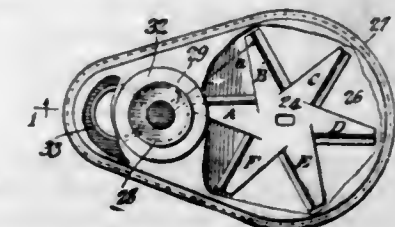
The method of making forgings which comprises suspending an ingot or billet in vertical position from an overhead support capable of moving the ingot or billet

laterally, up and down, and rotating it about a vertical axis, forging the ingot or billet, while thus supported, in



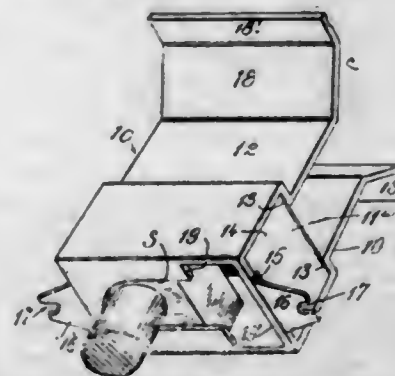
a horizontal press, and manipulating the work by raising or lowering the same or by rotating it about its axis as may be necessary during the forging operation.

1,511,541. POWER WHEEL. HERBERT L. THOMPSON, Elgin, Ill. Filed Aug. 27, 1921. Serial No. 496,090. 13 Claims. (Cl. 253-136.)



13. A rotary impact water motor comprising a wheel, means for directing a jet of water across the wheel in a plane substantially parallel therewith, and a series of vanes on said wheel in the path of said jet and extending from the periphery of the wheel inwardly to points spaced from the axis thereof at such angles to each other that the water impinging upon each vane is deflected therefrom across the central space between the vanes and against another vane in the direction to impart a forward impulse of rotation to the wheel, each of said vanes comprising means for centering the jet thereon.

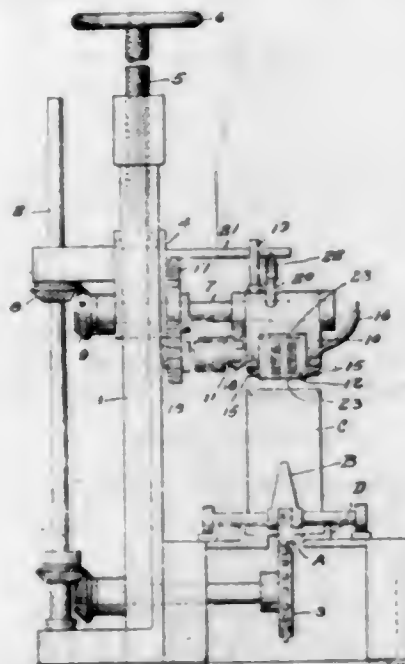
1,511,542. CONCRETE INSERT. CHARLES C. TOMPKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Jan. 27, 1921. Serial No. 440,355. 2 Claims. (Cl. 72-105.)



1. In a concrete insert, the combination of a substantially U-shaped member having inwardly projecting ledges extending lengthwise of the same to form longitudinally extensive shoulders and a second U-shaped member oppo-

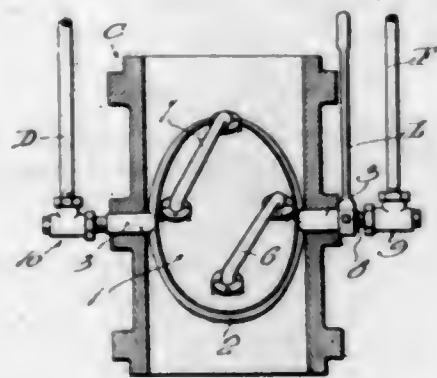
sitely disposed within the first to form a compartment and having its ends engaged beneath the shoulders provided by the ledges so as to maintain the ends of the compartment securely closed.

1,511,543. METHOD OF AND APPARATUS FOR MARKING METAL ARTICLES. HAROLD R. WADE and HARLEY M. FRINK, Pittsburgh, Pa., assignors to James H. Matthews & Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 11, 1923. Serial No. 679,967. 9 Claims. (Cl. 101-27.)



1. The method herein described of imposing upon a surface of fusible material an intelligible mark which consists in maintaining the surface elsewhere in solid and unfused state and while so maintaining it, effecting localized fusion followed by resolidification over a restricted area within such surface.

1,511,544. REVERSIBLE VALVE. WILLIAM F. WAGNER, Ambridge, Pa. Filed Sept. 20, 1923. Serial No. 663,844. 2 Claims. (Cl. 251-14.)



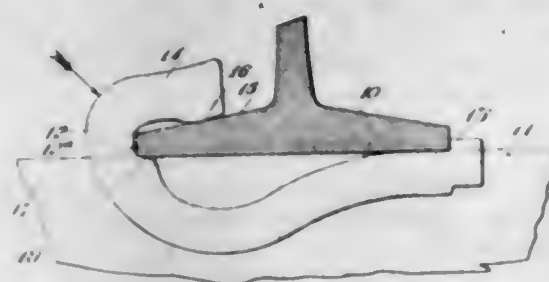
1. A reversible fluid-cooled valve comprising a hollow casting provided at opposed points with fluid intake and discharge passages respectively, said passages being of angular formation and having one end opening through the adjacent edge of the casting with the other end opening through one side face thereof, and a pair of externally disposed conduits arranged in spaced parallelism and connected at their inner ends with said intake and discharge passages and being connected at their outer ends to ports formed in the top wall of the casting at the opposite ends thereof.

1,511,545. PITCHFORK CLEANER. ARTHUR WALLIN, Enderlin, N. Dak. Filed Apr. 15, 1922. Serial No. 552,857. 1 Claim. (Cl. 294-50.)



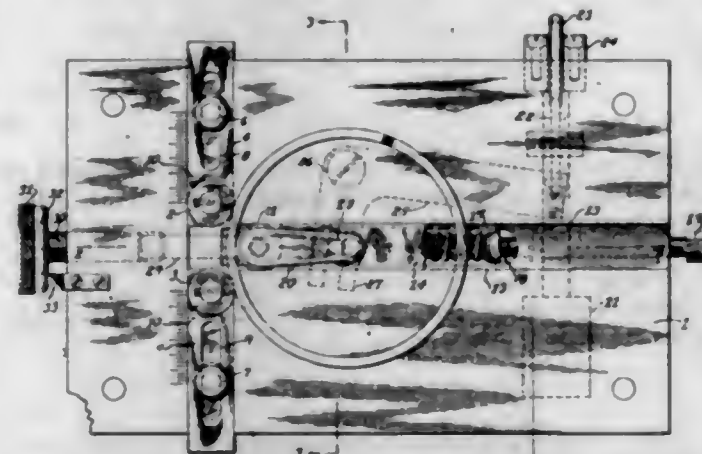
In a device of the class described, in combination with a pitchfork, an operating sleeve adapted for slidable movement on the handle of said pitchfork, a series of cleaning rods having their forward ends looped and engaging the tines of said pitchfork, the opposite ends of said cleaning rods being looped and tending to converge, an elongated rod connected at one end to said operating sleeve, the opposite end of said rod terminating in a substantially U-shaped supporting member, a pin extending across the outer ends of the arms of said U-shaped end of said rod and adapted to receive the looped converging ends of said cleaning rods whereby a pivotal connection between said cleaning rods and said elongated rod is formed, and guide means for said elongated rod mounted on said handle.

1,511,546. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed June 25, 1923. Serial No. 647,646. 11 Claims. (Cl. 238-330.)



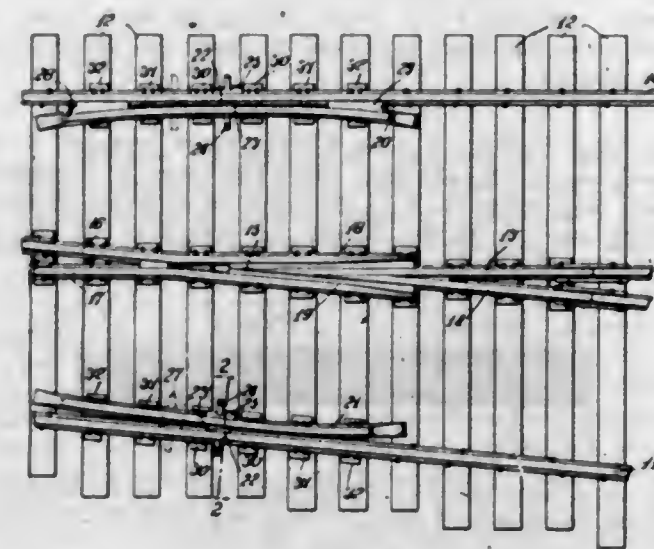
1. A rail anchor comprising a bar formed at one end with a jaw portion which is normally flexed during its application to a rail to effect a spring grip on the rail, at the other end with means for engaging the opposite vertical edge of the rail base, and intermediate said jaw and means with a downwardly bent portion adapted to bear against a tie.

1,511,547. RING-CURVING MACHINE. ROBERT H. WASSON, Cranford, N. J. Filed Aug. 13, 1921. Serial No. 492,013. 16 Claims. (Cl. 153-34.)



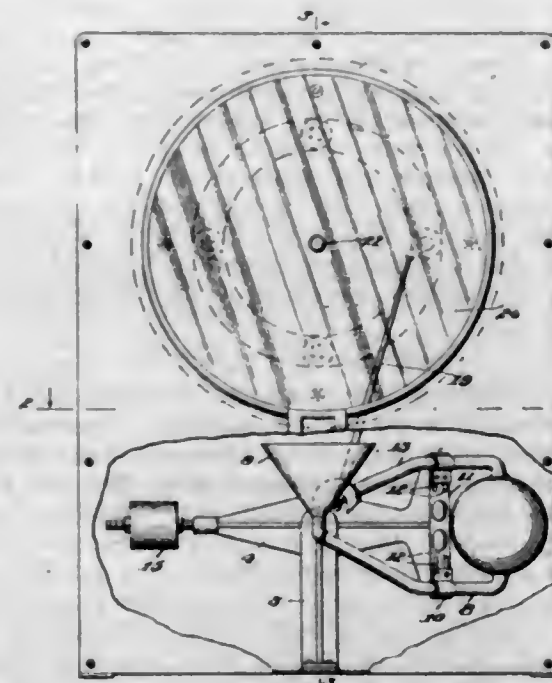
1. A packing ring correcting and recurving machine comprising a pair of reversibly rotatable ring supporting rollers, a support for each roller, a yielding pressure-applying roller mounted to move toward and from the said pair of rollers each of said rollers having a cylindrical contacting face and a stop limiting the motion of the pressure-applying roller towards the said pair.

1,511,548. GUARD-RAIL TIE PLATE. JOHN RUTHERFORD WATT, Louisville, Ky., assignor to Sellers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1923. Serial No. 649,025. 4 Claims. (Cl. 238-20.)



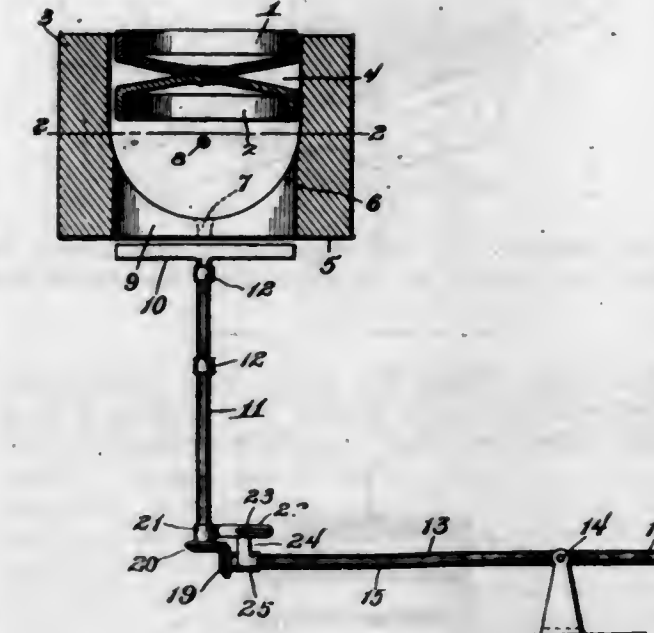
1. A tie plate adapted to extend beneath a running rail and a guard rail and having spike holes near each end thereof adapted to receive spikes engaging the adjacent edges of the rails, the spike holes at the guard rail end being disposed at unequal distances from the end of the plate, and a thrust rib extending upwardly across said plate substantially midway of the length thereof, one face of the rib being adapted to take the thrust of the inner edge of the running rail.

1,511,549. HYDROMETER. SIDNEY D. WELLS, Madison, Wis. Filed Aug. 15, 1922. Serial No. 582,040. 2 Claims. (Cl. 265-44.)



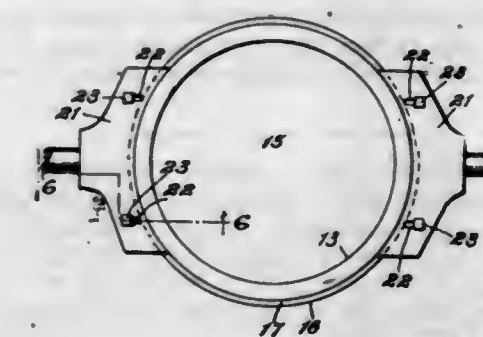
1. A device of the kind described comprising a case, a vessel for holding fluid mounted in said case, a balancing beam in said case, said vessel being attached to said beam, inlet and outlet tubes connecting with said vessel, the ends of said inlet and outlet tubes extending outside of said case, said ends being substantially in line with the axis of the balancing beam.

1,511,550. CLEANER FOR GLASS POTS. WILLIAM WESTBURY, Independence, Kans., assignor to Laura Anna Westbury, Independence, Kans. Filed Aug. 5, 1921. Serial No. 490,186. Renewed Mar. 11, 1924. 10 Claims. (Cl. 49-14.)



1. In combination with a melting kiln, and a pot adapted to be disposed in inverted position therein, a scraper for removing glass from the inverted pot within the kiln, and means for actuating said scraper.

1,511,551. REVERSIBLE POT. WILLIAM WESTBURY, Independence, Kans., assignor to Laura Anna Westbury, Independence, Kans. Filed Aug. 17, 1922. Serial No. 582,440. Renewed Mar. 11, 1924. 5 Claims. (Cl. 49-17.)

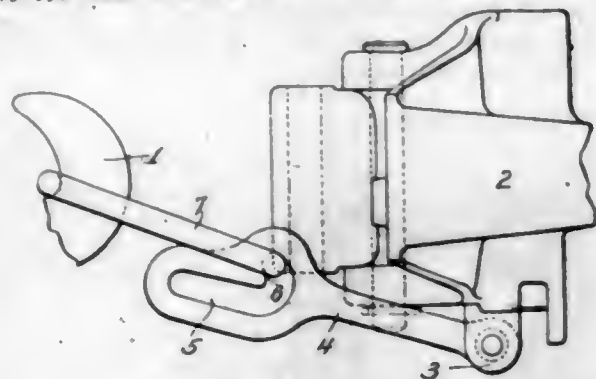


4. In a reversible pot, the combination of a pot structure comprising two pot members having their bottom walls arranged in apposition, segmental supporting members at opposite sides of the pot structure having trunnions extending outwardly therefrom and having flanges extending inwardly therefrom and between the pot bottoms, and means for clamping the pot sections to said blocks.

1,511,552. CAR COUPLING. JOHN CLIFFORD WHITRIDGE, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Mar. 22, 1923. Serial No. 626,972. 2 Claims. (Cl. 213-112.)

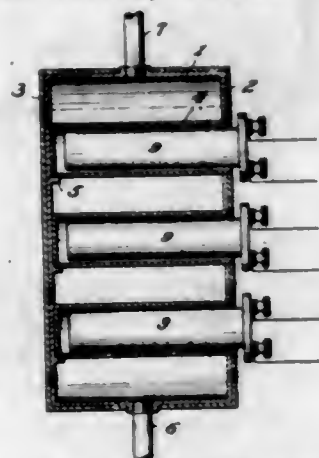
2. In a device of the class described, the combination with a hook coupler, and an M. C. B. automatic coupler, of a bar link pivoted at one end on the bottom of the M. C. B. coupler and provided at its free end

with a longitudinal slot having a notch in its upper wall at its rear end and a loop link adapted to have



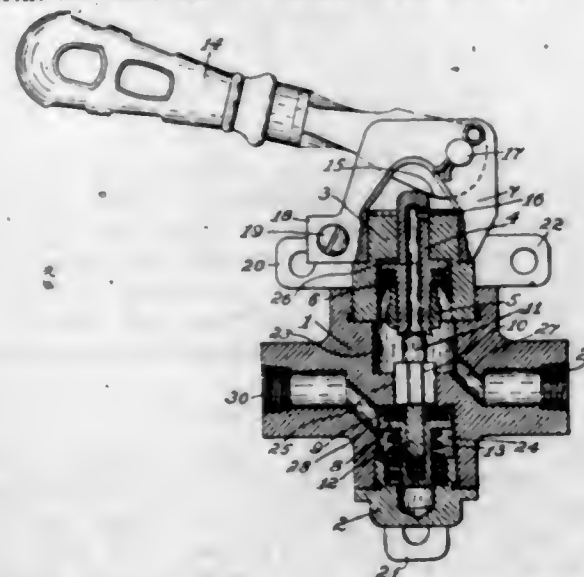
one end engaged over the hook coupler and having its opposite end engaged in the longitudinal slot in the bar link.

1,511,553. HEATING UNIT FOR RADIATORS. THOMAS H. WILLSON, Seattle, Wash. Filed Nov. 30, 1923. Serial No. 677,762. 1 Claim. (Cl. 219-38.)



A heater comprising a casing of elongated oval shape having inlet and outlet pipes leading from the respective ends thereof, said casing having a flat forward wall and being formed with a plurality of interior superimposed receptacles opening through the front wall and extending into contact with the rear wall, said receptacles being of materially less diameter than the width of the casing and being wholly closed against the interior of the casing, the receptacles being adapted to permit the independent insertion and removal of heating means.

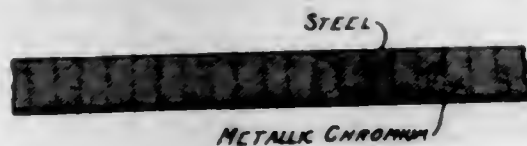
1,511,554. OPERATING VALVE. ALBERTO I. WOODRING, Waterloo, Iowa, assignor to National Safety Devices Company, Waterloo, Iowa. Filed Sept. 4, 1923. Serial No. 660,789. 3 Claims. (Cl. 277-9.)



1. A device of the character described, comprising a valve casing having inlet and outlet ports, a resiliently-controlled valve in said casing to control the communi-

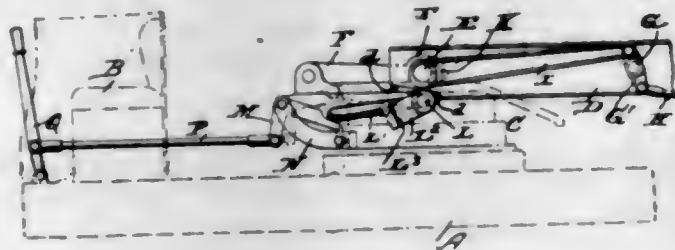
cation between said ports, said casing having a chamber communicating with the said ports by way of said valve, and said casing having a bearing aperture leading from said chamber, a reciprocating body fitting said aperture and having a passage for occasional communication between said chamber and the atmosphere, and said body having its part which extends into said chamber of larger differential area than the said valve with its passage positioned for being closed by said valve at times when the body is moved to push the valve to an open position.

1,511,555. TOOL. VICTOR YNGVE, South Orange, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Dec. 5, 1923. Serial No. 678,553. 5 Claims. (Cl. 18-5.)



3. As a new article of manufacture, steel briquette molding punches and dies, the wearing surfaces of which are electroplated with metallic chromium.

1,511,556. BRAKE-CONTROLLING MECHANISM FOR TRAILERS. CONSTANT DE MATTIA, Detroit, Mich., assignor to Wolverine Trailer Equipment Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 23, 1922. Serial No. 531,149. 5 Claims. (Cl. 188-112.)



1. The combination of a hauling vehicle, a trailer, a suitable braking mechanism for the trailer, combined coupling and brake applying mechanism including means for detachably connecting the trailer with the hauling vehicle for automatically applying the brake mechanism of the trailer through the thrust of the hauling vehicle resulting from a difference in the relative movement of the respective vehicle, and means carried by the hauling vehicle and arranged to receive the thrust of the trailer for preventing operation of the brake applying mechanism.

1,511,557. METHOD OF MAKING BLACKLEG VACCINE. OLIVER M. FRANKLIN, Amarillo, Tex., assignor to The Kansas Blackleg Serum Company, Inc., Denver, Colo., a Corporation of Colorado. Filed Feb. 10, 1922. Serial No. 535,662. 11 Claims. (Cl. 167-7.)

2. The method of preparing a blackleg vaccine which consists in growing blackleg organisms in a suitable culture media, treating the same after suitable growth with a formalin solution in concentration sufficient to kill the organisms without destroying their antigenic properties, and treating the resulting product to obtain the organisms in suitable form for immunizing use.

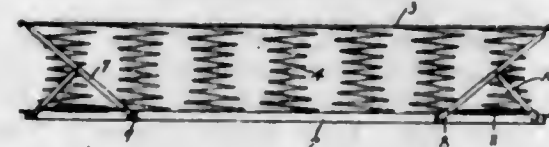
7. The method of preparing blackleg vaccine which consists in growing blackleg organisms in a suitable culture media, adding thereto a formalin solution of sufficient strength to kill the organisms without destroying their antigenic properties, heating the solution for a period of from 3 to 7 days at a temperature not exceeding 50° C., and treating the resulting product to obtain the organisms in suitable form for immunizing use.

1,511,558. UMBRELLA RUNNER. MORRIS H. HARTZELL, Philadelphia, Pa. Filed Mar. 27, 1922. Serial No. 547,075. 1 Claim. (Cl. 135-38.)



An umbrella comprising in combination, ribs, a rod, a runner slidable upon the rod for controlling the ribs, a spring actuated member projecting through a slot in the rod for engagement with the runner to hold the umbrella in closed position, a sleeve slidable upon the rod within the runner and having an opening for the passage of the spring actuated member whereby the latter may be operated to release the runner, a cup-shaped member carried by and surrounding the sleeve in the rear of said slot, said cup-shaped member adapted to receive the ribs when the umbrella is in folded position, said sleeve rearwardly of said cup-shaped member having an annular boss forming a finger piece, and said sleeve being held adjacent the handle end of the umbrella by the spring actuated member at all times.

1,511,559. BEDSPRING. RALPH B. HOSNER, San Francisco, Calif. Filed May 4, 1921. Serial No. 466,667. 1 Claim. (Cl. 5-262.)



A bed spring comprising a bottom frame, an upper frame, coil springs interposed between said frames, a bar pivotally mounted on each longitudinal side of the upper frame and extending downwardly and inwardly to the bottom frame, means for slidably mounting said bars in the lower frame, means for limiting the upward movement of said bars in said mounting means, a link pivoted to each bar and to the lower frame, and a coil spring interposed between each bar and the connected link.

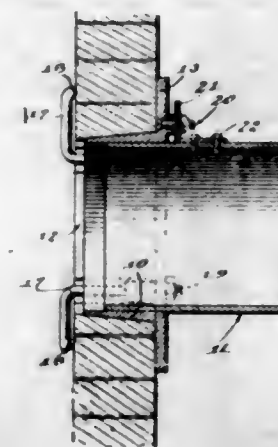
1,511,560. PROCESS OF MAKING A DOUBLE SALT OF SODIUM FLUORIDE AND SODIUM SULPHATE. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 30, 1922. Serial No. 572,035. 7 Claims. (Cl. 23-13.)

1. Process of making a double salt of sodium fluoride and sodium sulphate which comprises combining about one molecular proportion of sodium sulphate with about one molecular proportion of hydrofluoric acid and about one molecular proportion of ammonia in aqueous solution.

1,511,561. PROCESS OF MAKING ARTIFICIAL CRYOLITE. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 8, 1923. Serial No. 644,276. 8 Claims. (Cl. 23-13.)

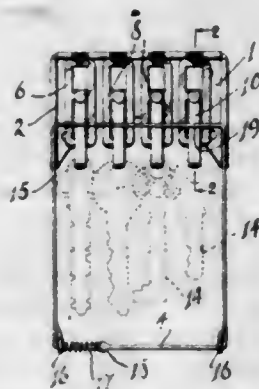
1. In a process in which artificial cryolite is formed by the interaction of aluminum fluoride and sodium fluoride in the presence of an ammonium compound in an aqueous reaction mixture the steps comprising supplying aluminum fluoride to the reaction mixture in insoluble form and digesting the artificial cryolite product in a solution of a sodium salt of a strong acid.

1,511,562. STOVEPIPE ANCHOR. GEORGE JULIUS HUEBNER, Fort Wayne, Ind. Filed Nov. 5, 1923. Serial No. 672,933. 2 Claims. (Cl. 126-318.)



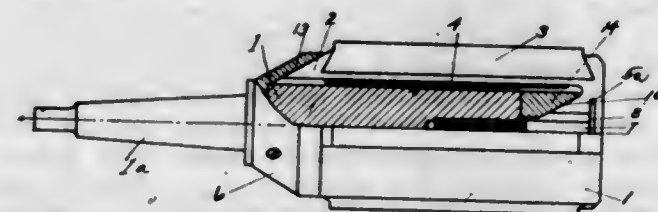
1. A stove pipe thimble and chimney plate consisting of a cylindrical body having a flange surrounding one end and forming a chimney plate, said flange having a series of anchor bolt receiving apertures, anchor bolts adjustable through said apertures and having angular ends, and lugs formed along the body and in connection at one end with said flange at spaced points around the body, said lugs reinforcing the flange and engaging and supporting the said anchor bolts in horizontal positions.

1,511,563. KEY HOLDER. GEORGE HOMER HUFFT, Tulsa, Okla. Filed Nov. 26, 1923. Serial No. 677,059. 5 Claims. (Cl. 150-40.)



1. A key holder of the type described comprising a body member, a plurality of hangers pivotally supported upon said body member, each of said hangers having outwardly protruding selector members and a plurality of clips for supporting a key, said clips being arranged to be snapped into engagement and to be supported by said hangers.

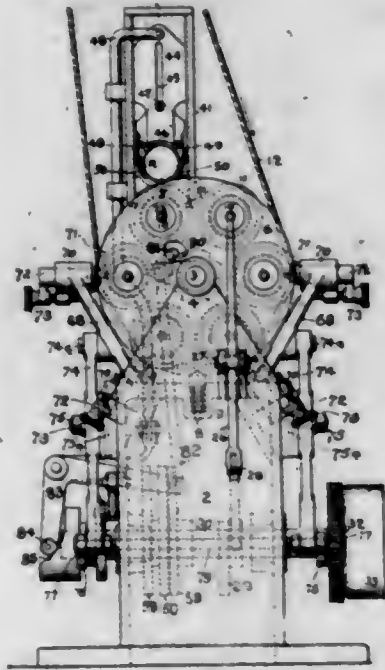
1,511,564. CYLINDER-LAPPING TOOL. EDWARD S. KARSTENS, Davenport, Iowa. Filed Sept. 25, 1922. Serial No. 590,490. 11 Claims. (Cl. 51-206.)



1. In a lapping tool a cylindrical body having a shank at one end formed integral therewith, an internally tapered collar secured to the body adjacent the shank, a cylindrical seat formed in the opposite end of the body and a collar seated therein tapered internally at an angle

to correspond to the internal taper of the collar adjacent the shank and stoneholders having extensions engaging the collars with tapers corresponding to the taper of the collars.

1,511,565. AUTOMATIC LATHE. LEWIS KINSLEY, Philadelphia, Pa. Filed July 26, 1922. Serial No. 577,676. 11 Claims. (Cl. 29—38.)

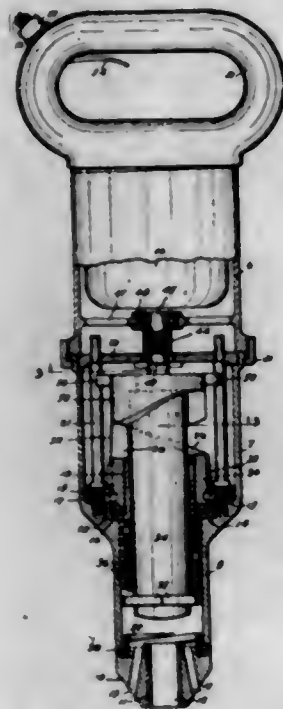


1. In a machine of the character stated, the combination of a rotatable turret, means to rotate the turret intermittently with a step by step motion, a plurality of rotatable chucks carried by the turret and each provided with a circular clamping head, means for rotating the said chucks when brought to certain positions during the intermittent rotation of the turret, means for feeding rings to be operated upon in succession to the chucks and comprising a magazine in which the rings are supported and from which they are successively delivered, means to operate the chucks whereby the rings are clamped in position thereon, cutting tools for turning the rings while in the custody of the rotating chucks and positioned in the plane of rotation of the chucks, means for traversing the cutting tools, and a reciprocating transfer device for receiving the rings successively from the magazine and delivering them to the chucks consisting of a head provided with spring fingers arranged in a circle to form a cup-shaped structure with a yielding peripheral edge and adapted to compress a split ring in delivering it upon the chuck.

1,511,566. ELECTRIC HAMMER. GEORGE L. KOLLOCK, Seattle, Wash. Filed July 12, 1923. Serial No. 651,028. 1 Claim. (Cl. 125—33.)

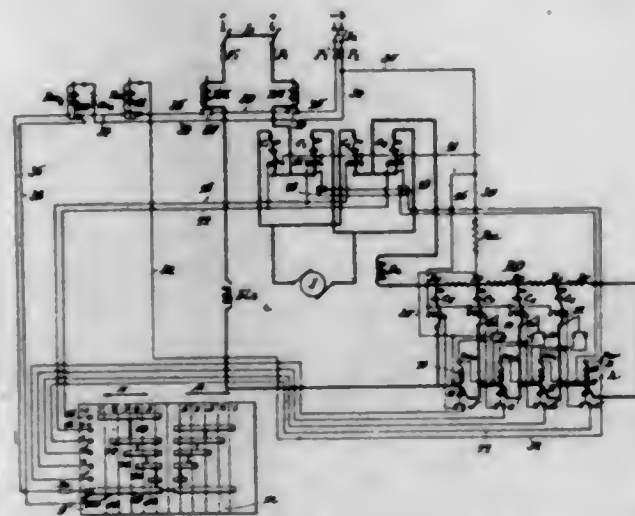
A tool of the class described embodying a cylindrical housing, an integral tubular shank of smaller diameter than said housing on the lower end thereof, a shoulder formed in the bottom of said housing at the junction of the housing and the shank, a fitting member rigidly secured to the housing and resting on said shoulder, an axially arranged tubular bearing member on said fitting, a cam rotatably mounted on said bearing member, a striking member reciprocable within said tubular member, another cam secured to the upper end of said striking member and arranged to engage with and be reciprocated by said first named cam, a collar forming an external flange at the lower end of said striking member, a compression spring arranged to bear against said collar, guide posts extending axially of said casing, means on said upper cam for slidably engaging said guide posts to prevent rotation of said upper cam, a gear on the periphery of said lower cam, a jack shaft mounted for rotation in said housing, a pinion on the lower end

of said jack shaft meshing with said gear, a pinion on the upper end of said jack shaft, a motor mounted in said housing and having a driven shaft arranged axially



of said housing, a pinion on said motor shaft, and an idler gear interconnecting the pinion on said motor shaft and the pinion on the upper end of the jack shaft.

1,511,567. METHOD AND DEVICE FOR THE AUTOMATIC STARTING OF CONTINUOUS OR ALTERNATING CURRENT MOTORS BY MEANS OF CONTACT DEVICES. PAUL HENRI FRÉDÉRIC LAMBERT, Paris, France. Filed Jan. 14, 1922. Serial No. 529,278. 2 Claims. (Cl. 172—179.)



1. In an automatic starting device for electric motors, the combination with starting resistances included in the main circuit of the motor and contactors of the shunt type used for gradually short-circuiting these resistances at starting or for putting them into circuit at the moment of stopping; of accelerating relays controlling the flow of current into the shunt coils of the respective contactors, said relays comprising movable contacts, an armature connected with said contacts, a thick wire coil traversed by at least a portion of the main current of the motor, and a thin wire locking coil acting upon the armature of said relay in the same direction as the thick wire coil, the circuit of each thin wire coil being itself controlled by the preceding contactor according to the order followed for the starting, and all the locking coils being connected together in series.

1,511,568. CALENDAR. RUSSELL C. LAPE, Columbus, Ohio. Filed Jan. 16, 1924. Serial No. 686,570. 4 Claims. (Cl. 40—109.)



3. A calendar including a holder of elongated rectangular form, a tongue secured at one end to one end of the holder and extending lengthwise along a portion of the length of the holder, a slide having spaced transverse slots through which the tongue is extended so as to expose a portion of the tongue between the slots, and also having a tongue overlying the tongue of the holder, said holder and said tongues being respectively provided with day, month and date designations adapted for co-operation with one another, the holder being foldable upon itself when the slide is shifted to the limit of its movement on the holder tongue toward one end of the holder whereby to enclose the tongues and the indicator between its folded portions.

1,511,569. TOTE BOX. EDWARD G. LEHMAN, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Jan. 14, 1920. Serial No. 351,379. 3 Claims. (Cl. 220—97.)

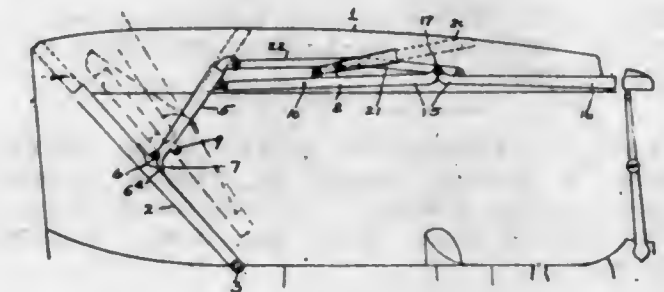


1. A box comprising a rectangular sheet metal blank bent upward on transverse lines to form bottom and inwardly inclined end walls, and bent outward and upward along transverse lines to form ledges overhanging the end walls and rims outside the bottom corners; and two rectangular sheet metal blanks forming the side walls having their lower corners cut and their rim portions slotted and flanges bent inward along the side edges of the bottom, the end walls and the corners of the end rims; the side rims being off-set outward in the plane of the ledges to form seats for the bottom edges of another like box.

1,511,570. TOP FOR VEHICLES AND THE LIKE. FRED K. LEWIS, Ashtabula, Ohio. Filed Jan. 16, 1922. Serial No. 529,526. 4 Claims. (Cl. 296—116.)

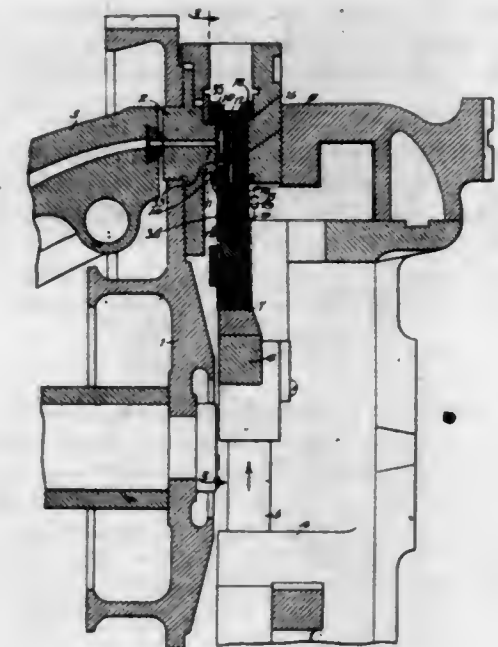
1. In a top for vehicles and the like, the combination of a support pivotally attached to the body of the vehicle and inclining rearwardly from the vertical in the open position of the top; a supplemental bow pivotally attached to said support at a fixed point removed

from the lower end thereof, said supplemental bow being adapted to incline forwardly from such support in such open top position and to lie directly alongside of the same when the top is closed; an articulated auxiliary bow pivotally attached at its rear end to said supplemental bow, said auxiliary bow being adapted to extend horizontally from the latter in such open top position and to fold directly thereagainst when the top is closed, and the joint in said auxiliary bow lying above a line connecting its respective ends; means serving to prevent relative rotative movement between said auxiliary and



supplemental bows in open top position; a stop at the point of pivotal attachment of said supplemental bow to said support, whereby forward movement of the former relatively to the latter beyond a predetermined inclination is prevented; and means limiting the upward bending of the joint in said auxiliary bow when extended, whereby the stress of any rearward push on the forward end of said auxiliary bow is transmitted in the form of a rearwardly rotative moment onto said support, and undue stretching of the cover between said support and auxiliary bow is avoided.

1,511,571. ATTACHMENT FOR SLUG-CASTING TYPE-SETTING MACHINES. JAMES H. MCCULLEY, Bozeman, Mont. Filed June 8, 1922. Serial No. 566,773. 15 Claims. (Cl. 199—66.)

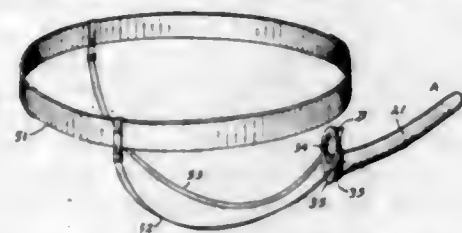


1. In a device of the type described, a grooved block cooperating with a mold for forming a printing rib on a slug cast in the mold, of means movable into the groove to form niches in said rib.

1,511,572. SURGICAL APPLIANCE. JEAN H. MARSHALL, Blughamton, N.Y. Filed July 5, 1922. Serial No. 572,941. 10 Claims. (Cl. 128—79.)

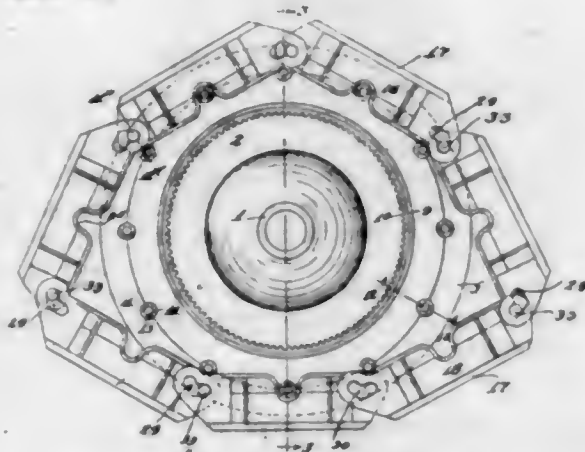
1. In a surgical appliance,—a splint for supporting a male genital organ during copulation, an annular member of form such as to enable it to suitably embrace such an organ near the base thereof, a piece associated with

said member adjustable for varying the effective size of the orifice therethrough, means for locking said piece against changes in such adjustment, detachably inter-



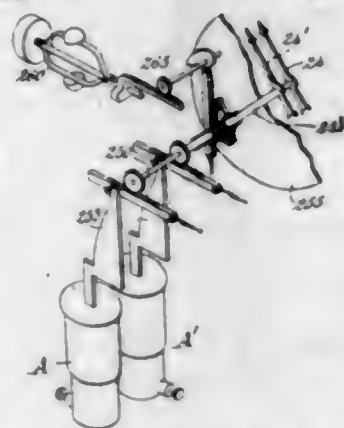
locking tenons carried by said splint and piece, respectively, and a latch for securing said tenons in engaging relation.

1,511,573. TRACKLAYING TREAD-DRIVE WHEEL. ROYAL R. MILLER, Chicago, Ill., assignor to Miller Traction Tread Company, a Corporation of Delaware. Filed Feb. 28, 1921. Serial No. 448,497. 7 Claims. (Cl. 305-6.)



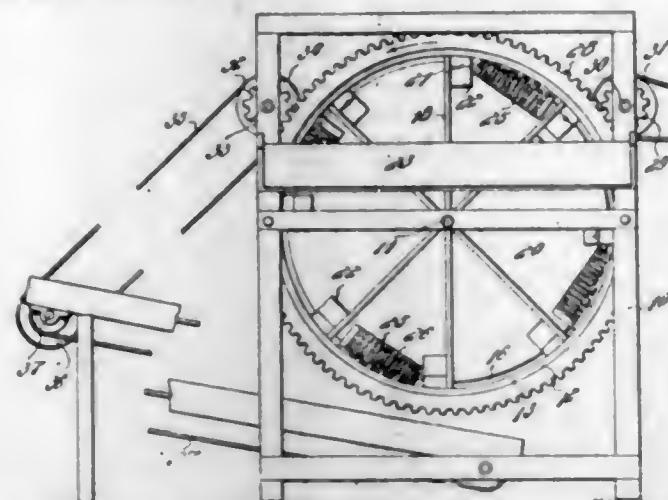
1. A track laying tread drive wheel comprising an annulus, lateral projections on the annulus, a plurality of connected tread elements engaging said annulus and the lateral projections thereon and means on the tread elements engaging the annulus in a plane substantially coincident with the center line of said lateral projections.

1,511,574. INDICATING AND RECORDING INSTRUMENT. EDVIN HARALD MORTSELL, Stockholm, Sweden. Filed May 24, 1920. Serial No. 383,819. 11 Claims. (Cl. 234-21.)



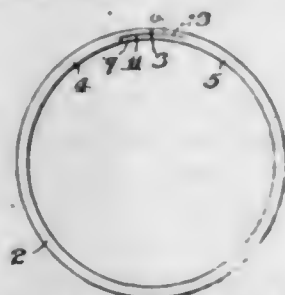
1. An indicator for reciprocating engines or pumps, comprising a pressure responsive device, and means for communicating the pressures on each side of the engine piston to opposing sides of said pressure responsive device, whereby said pressure responsive device may assume a position corresponding to the difference in pressure on the two sides of the engine piston, means for damping the movement of said pressure responsive device, means for reversing the communication between the opposing sides of said pressure responsive device and the two sides of the engine piston, indicating means, and means for causing said pressure responsive device to logarithmically actuate said indicating means.

1,511,575. SEPARATOR. WILLIAM B. ORCUTT, Roscommon, Mich. Filed May 18, 1923. Serial No. 639,921. 1 Claim. (Cl. 83-56.)



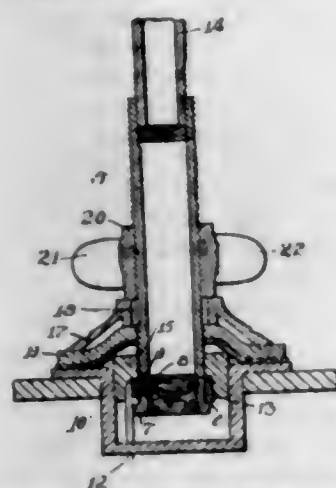
A separator comprising a rotatable drum including spaced annular frames and a reticulated wall connecting the frames, annular flanges extending inwardly from each end of the drum, a deflector wall located between the flanges and having its edges spaced from the reticulated wall of the drum, a plurality of transversely spaced inwardly extending inclined fingers projecting inwardly from the reticulated wall of the drum for separating the stone and gravel, spaced pockets located within the drum for delivering the gravel, and relatively coarse screens secured to the drum and deflector plate and spaced from the reticulated wall and said screen having deflected walls serving to eject the stones from the drum.

1,511,576. PISTON RING. HENRY PARKIN, Philadelphia, Pa. Filed Apr. 18, 1922. Serial No. 555,077. 2 Claims. (Cl. 74-109.)



1. A packing ring formed in a single piece and having a joint therein formed solely by the walls of two diagonal grooves cut in opposite walls thereof and meeting each other in the body of the ring and crossing each other and being of sufficient width to split the ring in the normal condition thereof.

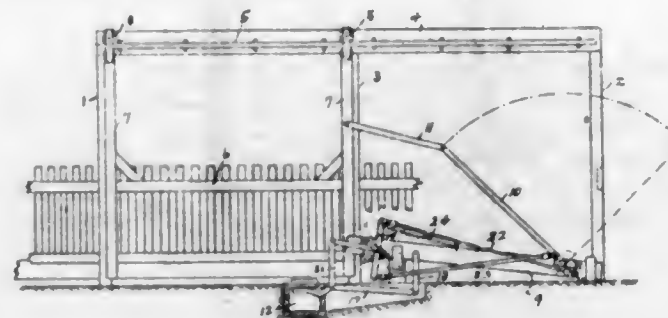
1,511,577. SEWER CLEANER. NILS PETERSON, Moscow, Idaho. Filed Mar. 15, 1920. Serial No. 365,876. 1 Claim. (Cl. 285-44.)



In a device of the character described, a body portion having a flange formed at its base, a collar on the body portion and engaging the flange, a pair of arms extending

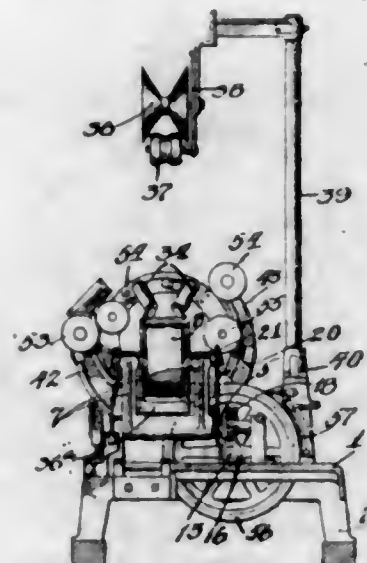
from the collar and having oppositely disposed hook members at their free ends, said hook members adapted to move under the guard of a flush trap, a threaded member cooperating with the guard for securing the collar to the body portion, and means on the body portion and adapted to be moved towards the guard for securing the body portion within the guard.

1,511,578. GATE. CALVIT F. PEVOTO, Harrisburg, Tex. Filed Dec. 11, 1922. Serial No. 606,088. 1 Claim. (Cl. 39-18.)



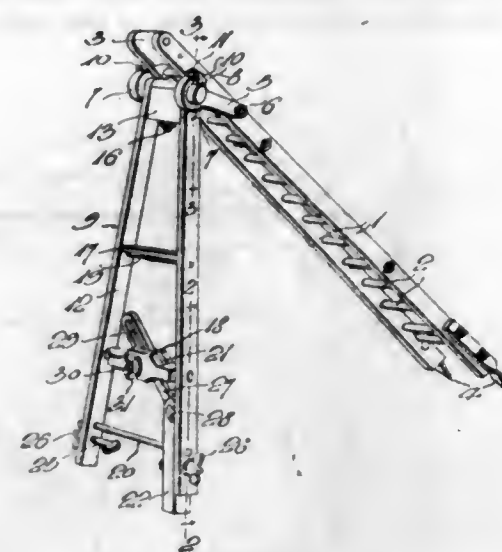
A device of the character described including an overhead horizontal track, supports therefor, a gate suspended from said track, an actuating lever pivoted to a fixed support, a link connecting said gate with one end of said lever, crosslinks pivoted at one end to said lever on opposite sides of its pivotal mounting, a cross arm pivoted to the other ends of said cross links, a lever pivoted to a suitable support at one end, an actuating board resting upon the other end of said last mentioned lever, and means operatively connecting said last mentioned lever with said cross arm, and through which the mechanism is actuated to slide said gate open, when said actuating board is depressed, and a yieldable member for actuating said mechanism in the other direction to slide said gate to closed position.

1,511,579. TIRE-WRAPPING MACHINE. FRANK M. PIERCE, PAUL PIERCE, and WILLIAM B. PIERCE, Chicago, Ill., assignors to Pierce Wrapping Machine Co., a Corporation of Illinois. Original application filed Apr. 29, 1920, Serial No. 377,492. Divided and this application filed June 9, 1923. Serial No. 644,432. 5 Claims. (Cl. 242-6.)



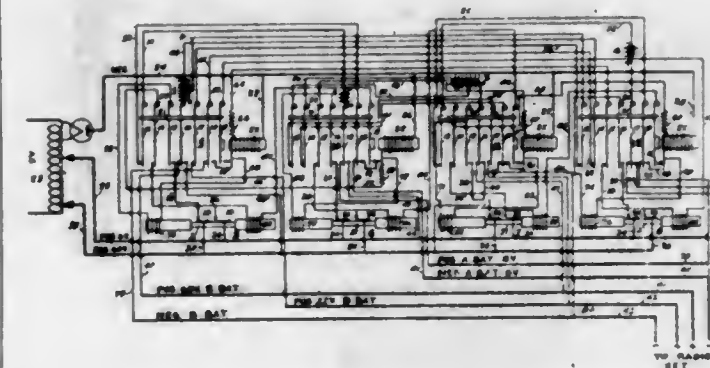
1. In a wrapping machine for annular objects, a pair of rollers for supporting and driving an object to be wrapped, and outwardly flaring guiding means adjacent each of the rollers.

1,511,580. SELF-SUPPORTING LADDER. WILLIS PRINCE, Monmouth, Me. Filed Feb. 18, 1924. Serial No. 693,595. 4 Claims. (Cl. 228-29.)



1. A ladder comprising rung-supporting stiles, a pair of vertically movable arms pivoted to the outer sides of said stiles near their upper ends, the free ends of said arms having aligned bearings, a legged brace structure upon whose upper end the lower edges of said stiles may rest, said brace structure having oppositely extending trunnions received in the aforesaid bearings and provided with stops to abut the outer sides of said bearings, and wedge surfaces carried by said stiles to wedge said bearings tightly outward against said stops.

1,511,581. AUTOMATIC BATTERY-CHARGING APPARATUS. JOHN J. RITTER and JOHN H. RITTER, Seattle, Wash. Filed June 26, 1923. Serial No. 647,838. 4 Claims. (Cl. 171-314.)

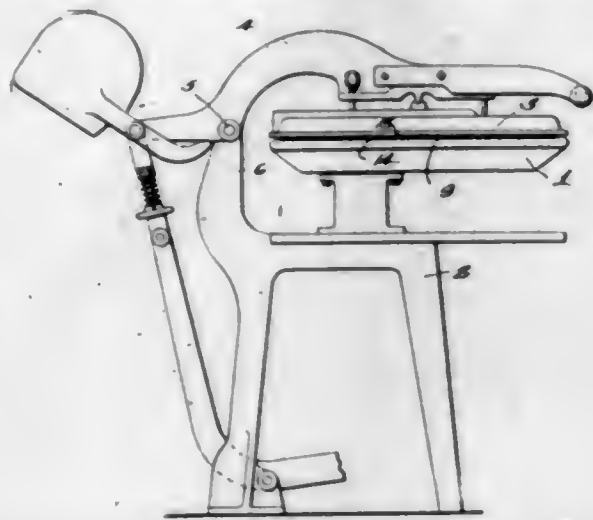


1. In a battery charging system a charging circuit, a discharging circuit, a plurality of batteries, a relay set for each of said batteries, an electromagnet in each relay set for closing the charging circuit to the battery in said set, said electromagnet being connected in the charging circuit with said battery and means for momentarily energizing said electromagnet before the charging circuit to said battery is closed.

1,511,582. WORK CONVEYER FOR LAUNDRY AND GARMENT-PRESSING MACHINES. WALDERMA C. SCHAEFLER, Mohawk, N. Y., assignor to Prosperity Company Inc., Syracuse, N. Y., a Corporation of New York. Filed Feb. 24, 1923. Serial No. 621,029. 2 Claims. (Cl. 68-9.)

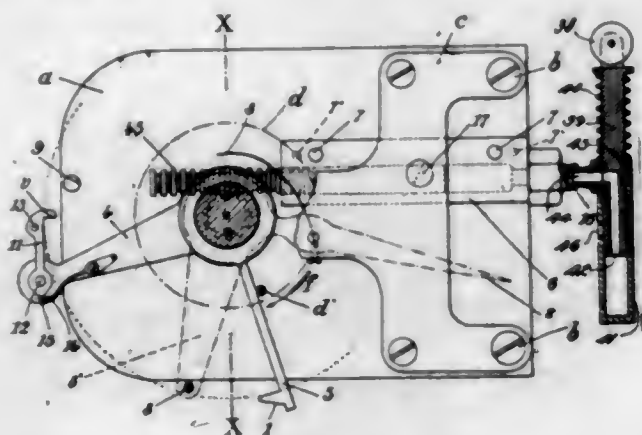
1. The combination with a pressing machine comprising a frame formed with a table, upper and lower pressing elements, one of which is movable toward and from the other, the upper pressing element being supported at the rear side of the machine and of the lower pressing element and the means supporting the lower pressing element being located vertically below such element.

whereby the machine in front of said elements is unobstructed; of means for feeding the work between and removing the same from between said elements comprising an endless belt arranged with both runs contiguous to each other over the pressing face of the lower element.



the belt extending beyond the ends of the pressing elements to provide a support on one side of the machine for the work to be pressed and a support on the other side of the machine for the finished work and means for operating the machine and the belt.

1,511,583. APPARATUS FOR THE MEASUREMENT OF FREQUENCY. AUGUSTIN SEGUIN, Paris, France. Filed Mar. 27, 1923. Serial No. 628,030. 9 Claims. (Cl. 264-21.)

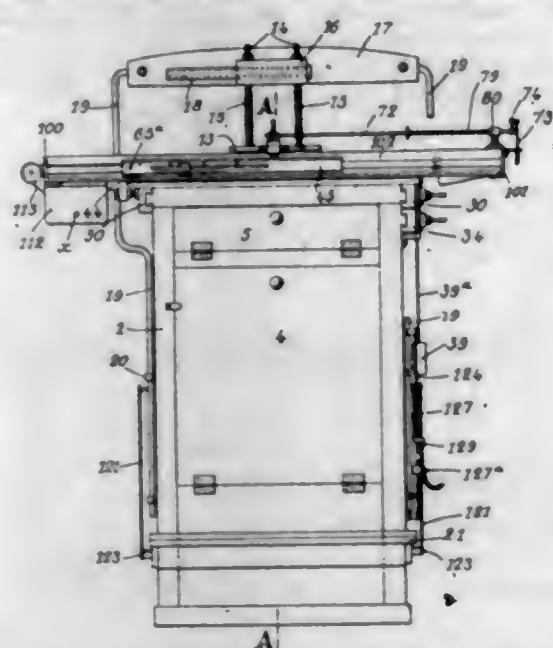


1. An apparatus for the measurement of frequency comprising in combination: a driving member, means for imparting to said driving member an alternating movement at the frequency to be measured, a comparison member adapted to be driven by said driving member in a forward direction, means for imparting to said comparison member a rearward movement independent from the rearward movement of said driving member and retarded with respect to the latter, indicating means adapted to be actuated in one direction by said driving member and in the opposite direction by said comparison member, and to be released from said members when said members meet one another.

1,511,584. APPARATUS FOR AUTOMATICALLY PRINTING PHOTOGRAPHIC PAPER OR FILM WITH LATENT IMAGE. EMMANUEL JEAN-BAPTISTE WILFRID SOULLIER, Nanterre, France. Filed Nov. 27, 1923. Serial No. 677,208. 11 Claims. (Cl. 95-73.)

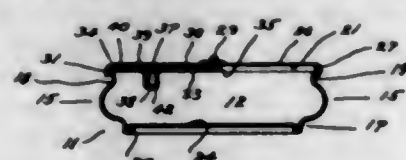
1. A machine for printing positives comprising a machine body, plate holding means at the upper part of said machine body, a longitudinal frame supported by and

adapted to slide through adjustable distances and lengthwise upon said machine body, a transverse sheet holding frame supported by said longitudinal frame and adapted



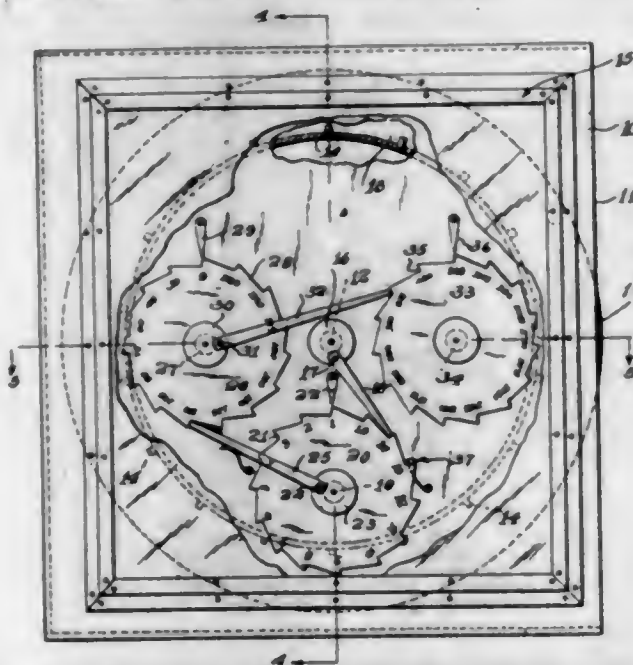
to slide transversally and through adjustable distances upon the same and above said plate holding means and lighting means within said machine body.

1,511,585. CINERARY RECEPTACLE. ROBERT E. TOWNBLOM, Brooklyn, N. Y. Filed Feb. 26, 1923. Serial No. 621,351. 15 Claims. (Cl. 206-37.)



1. A device of the character described including in combination, a receptacle adapted temporarily to store matter deposited therein, a sectional cover extending over the same, part of said cover being stationary and another part thereof movable, and a slide contained entirely within said receptacle, being coextensive with said movable part of the cover forming therewith a dual closure.

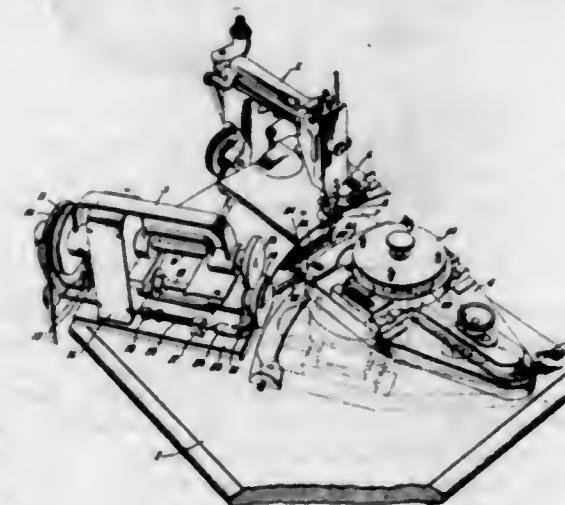
1,511,586. MEASURING DEVICE. ANDREW J. WALTER-MIRE, Batesville, Ark. Filed Aug. 5, 1922. Serial No. 579,914. 3 Claims. (Cl. 33-134.)



1. A measuring device of the character described including a housing having an opening, a wheel mounted in the housing and having its perimeter extending

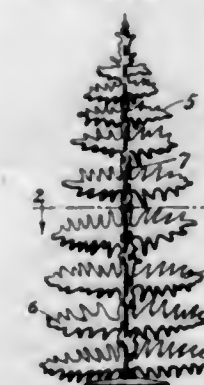
through the opening, the wheel being formed for tractive engagement with the article to be measured, a shaft extending through the casing upon which the wheel is mounted, said shaft having a crank, a pawl mounted upon the crank at the end of the shaft, a plurality of dial wheels each having ratchet teeth upon its circumference, each wheel having a pawl associated therewith eccentrically supported with relation to the axle center of the corresponding dial wheel, the butt end of the pawl being rotatable with the wheel around the axis of the wheel and the free end of the pawl engaging the teeth of the next succeeding dial wheel, pawls preventing reverse movement of the dial wheels, and pointers coacting with each of said dial wheels.

1,511,587. MACHINE FOR MAKING HAT LININGS. RUDOLPH BECKER, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Original application filed Sept. 29, 1921, Serial No. 504,094. Divided and this application filed Oct. 13, 1922. Serial No. 594,284. 4 Claims. (Cl. 112-14.)



1. In combination, sewing mechanism, cutting mechanism spaced from the sewing mechanism, a work-holder shiftable from sewing to cutting position, and controlling means for starting and stopping the cutting mechanism connected to be operated by the shifting movement of the work-holder.

1,511,588. TOY AND ORNAMENT. WARREN F. BLEECKER, Boulder, Colo. Filed Oct. 23, 1922. Serial No. 596,295. 2 Claims. (Cl. 41-15.)

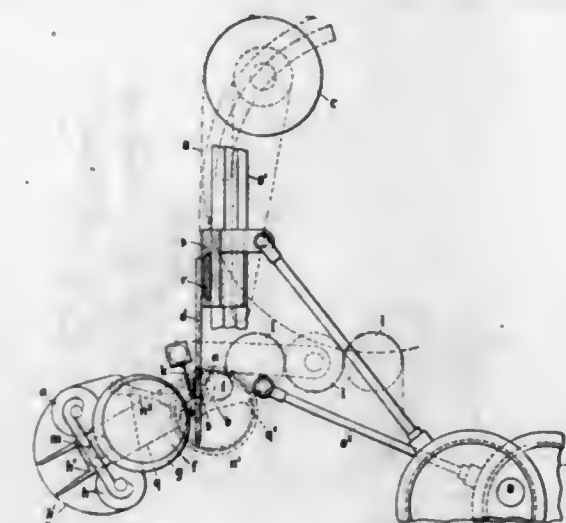


2. The process of producing a miniature tree consisting in molding a tree of metal with its branches in a plane with the longitudinal axis of its trunk and then turning the branches to their natural position.

1,511,589. MACHINE FOR KNOTTING NETS. WALTER C. BRÜCKER, Itzehoe, Germany. Filed Aug. 30, 1921. Serial No. 497,074. 9 Claims. (Cl. 96-21.)

8. In a net knotting machine, two series of means for supplying threads, other means for knotting together the threads supplied by the two series, and a series of hooks each hook being adapted to be turned round its axis into

two different positions to cooperate in both positions with a thread of one of said series, and alternately with two different threads of the other of said series, the hooks



being so arranged and shaped that the threads may be held on the points of the said hooks when the knots are tightened.

1,511,590. PROCESS OF RECOVERING TIN FROM TIN-BEARING MATERIALS. WILLIAM J. BUTTFIELD, North Plainfield, N. J., assignor to Vulcan Detinning Company, Seward, N. J., a Corporation of New Jersey. Filed Nov. 1, 1920. Serial No. 421,121. 24 Claims. (Cl. 204-17.)

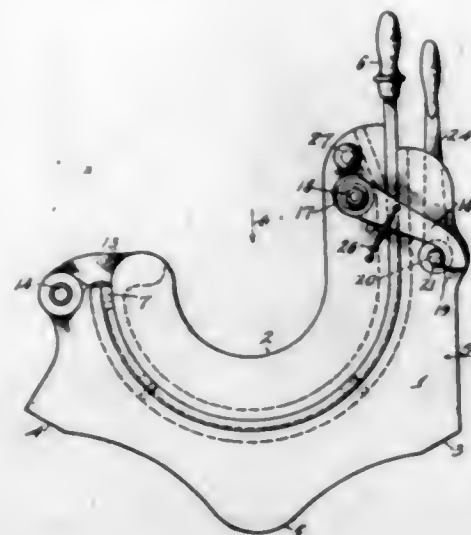
1. In the recovery of tin from tin-bearing materials, the method of removing dirt, grease, paint, lacquer, or the like, from the tin surface without any substantial solution of tin, which comprises subjecting the material to the action of a hot solution of weak caustic.

1,511,591. LIQUID-SAMPLING APPARATUS. JOHN C. COLLIGAN, Dallas, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Aug. 26, 1921. Serial No. 495,758. 4 Claims. (Cl. 137-18.)



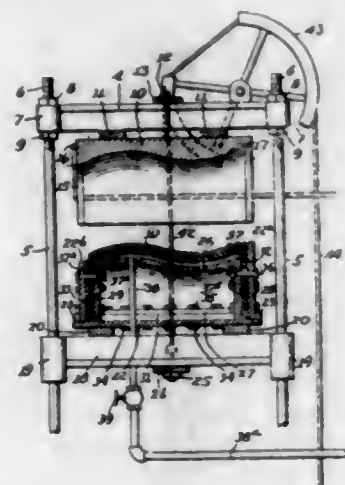
4. Apparatus for withdrawing liquid from a container comprising an elongated tubular member having one end of restricted inner diameter, a spherical member adapted to close the opening in the end of restricted diameter, and removable means projecting through the tubular member for normally supporting the spherical member above the end of restricted diameter.

1,511,592. CASTING BOX FOR NARROW PLATES. AMANDUS H. CRUSE, Brooklyn, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,274. 8 Claims. (Cl. 22-2.)



1. In a casting box, the combination of a two-part mold, the mold members of which are shaped to form a narrow semi-cylindrical mold chamber, a vertical pour-lug opening to the chamber, one of said mold members having a downwardly extending projection on which the box may be tipped so that the heel of the poured metal is assisted by gravity to fill the mold, and means for locking the two mold parts together.

1,511,593. DIES FOR FORMING LEGGINGS. GEORGE W. CUMING, New York, N. Y., assignor to M. A. Cuming & Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 2, 1923. Serial No. 622,427. 6 Claims. (Cl. 69-8.)

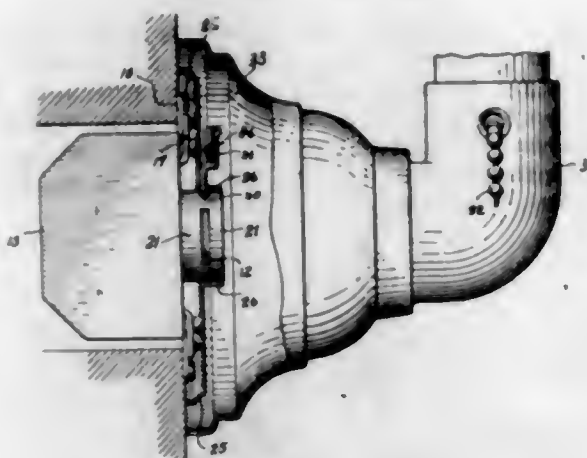


1. A device of the character described, comprising an outer die provided with an operating face of proper configuration to form the outer surface of a legging, and an inner die movable relatively to said outer die, and comprising a hollow core and a rubber former fitted upon said hollow core, said core and said former having such configuration that the outer surface of said former mates the operating face of said first mentioned die, and means for supplying a medium under pressure between said core and said rubber former, for the purpose of distending said rubber former.

6. A device of the character described comprising an outer die member provided with an operating face of suitable shape to form the outer surface of a legging,

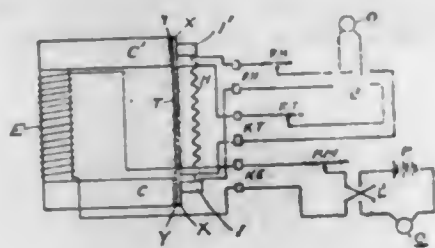
a follower plate movable relatively to said die, a shoe carried by said follower plate, a hollow core and a hollow rubber former carried by said shoe said hollow former enclosing said hollow core, said hollow former and said hollow core having together a conformity suitable for forming the inner surface of a legging.

1,511,594. LIGHTING FIXTURE AND OUTLET RECEPTACLE. RUDOLPH E. DE LAMAR, New York, N. Y., assignor to Albert Fries, New York, N. Y. Filed June 12, 1922. Serial No. 567,602. 5 Claims. (Cl. 240-85.)



1. Improvements in lighting fixtures and appliance connections comprising an outlet box plug receptacle to receive push plug and wiring connections for electrical appliances, a lighting fixture supported upon the outlet and adapted to be removed when the aforesaid appliance wire connection is in use, a collar with a slot formed around the receptacle, a bridge yoke fixed to the lighting fixture to engage the collar, and a centering lug made in the yoke to engage the collar.

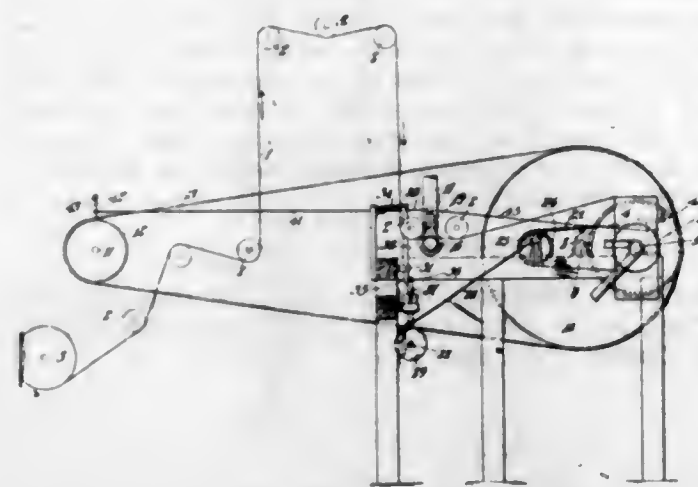
1,511,595. PERMEAMETER. FRANK P. FAHY, New York, N. Y. Filed May 11, 1918. Serial No. 233,932. 21 Claims. (Cl. 175-183.)



1. The method of determining the magnetic properties of a magnetic or magnetized object, which consists in subjecting the object to a changing magneto-motive force, adapted to generate a flux in said object, fitting to the end regions of such object, contact bodies, magnetic in character, forming a part of a shunted flux path external to the object and adapted to augment the flux in said external path and determining the flux relation in said path and object.

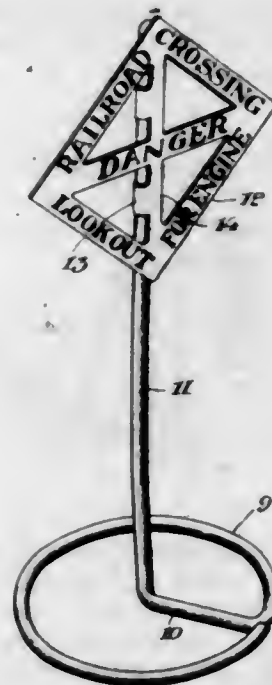
8. In a device of the class described, in combination, a magnetizing coil provided with a U shaped magnetic core; means for clamping the end contact portions of a test body in contact with the end portions of said magnetic core, means adapted to divert and augment a part of the flux passing through the said end contact portions of the test body through a path external to and adjacent said test body, and means for measuring the flux in each of said paths.

1,511,596. WEB-COATING MACHINE. PAUL FBIG. New York, N. Y., assignor, by mesne assignments, to New York Standard Ash Can Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 27, 1922. Serial No. 609,252. 12 Claims. (Cl. 91-18.)



1. A web coating machine including a liquid distributor, means for supplying liquid thereto, means operable to draw the web to be coated over the distributor, and means for automatically cutting off the supply of liquid to the distributor when a predetermined length of web has been drawn over the distributor.

1,511,597. TOY DANGER SIGNAL. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Nov. 7, 1922. Serial No. 599,605. 7 Claims. (Cl. 40-125.5.)



1. A toy railway warning device comprising a wire formed supporting base having an upright wire, and a diamond shaped warning member secured to said upright wire.

1,511,598. TOY SIGNAL TOWER. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Jan. 26, 1923. Serial No. 614,967. 19 Claims. (Cl. 116-63.)

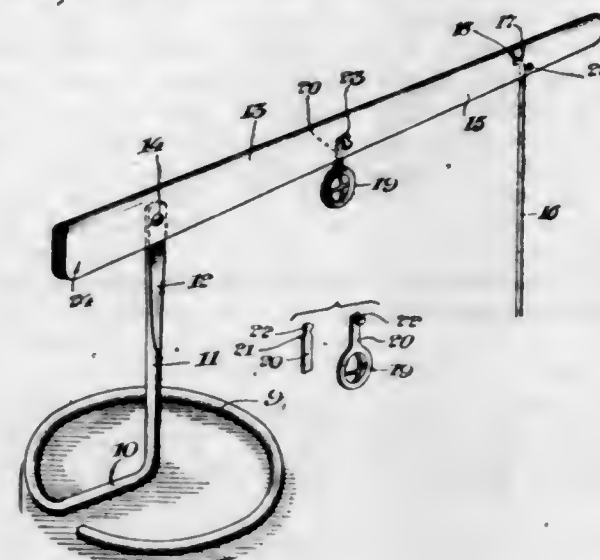
2. In a toy railway accessory, the combination of supporting means including an upright member, and a

swinging signal or semaphore arm directly pivoted to said member and having a pair of parallel projecting



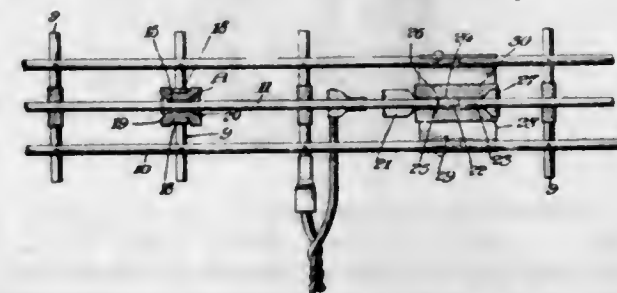
portions at its rear cooperating with the upright member for maintaining the arm in various positions.

1,511,599. TOY RAILWAY-CROSSING GATE. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Feb. 20, 1923. Serial No. 620,173. 21 Claims. (Cl. 46-37.)



1. A toy railway crossing gate comprising a coiled wire base, a wire upright post, and a channel-shaped elongated gate member overlapping the top of said post and pivotally connected thereto for swinging movement.

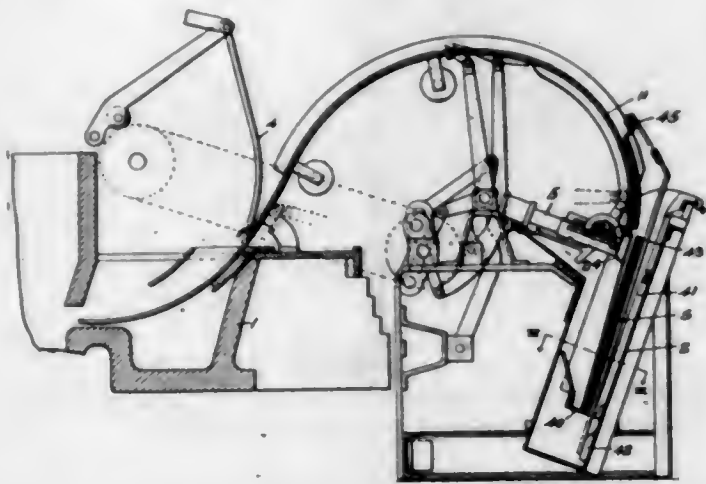
1,511,600. RAIL CONNECTER FOR TOY RAILWAYS. ALAN R. FERGUSSON, Buffalo, N. Y. Original application filed Sept. 27, 1922, Serial No. 590,781, now Patent No. 1,452,370, dated Apr. 17, 1923. Divided and this application filed Apr. 3, 1923. Serial No. 629,739. 17 Claims. (Cl. 191-29.)



2. A clamping device for clamping a wire rail of a toy railway and comprising a sheet metal body member having a pair of expansible and contractible side walls

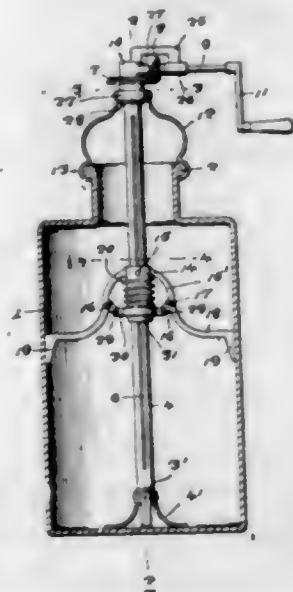
forming a semicircular channel having an opening at the top of less width than the diameter of said channel, and means at the bottom of said channel for securing it in position.

1,511,601. MEANS FOR REPLENISHING PACKS OF LAMINATE MATERIAL. JOHN W. FREE, Woodlawn, Pa. Filed May 23, 1923. Serial No. 640,865. 2 Claims. (Cl. 271-61.)



1. In apparatus for feeding sheets of material one by one from a relatively stationary pack, means for replenishing from beneath the pack of sheets, such means including in combination with two pack supports a fork, the two pack supports being arranged transversely one to the other and adapted to sustain a pack resting broadside upon one and edgewise upon the other, the support upon which the pack makes broadside resting being ribbed, the fork being adapted to be thrust beneath the pack and between the ribs of the support last named, and the support upon which the pack makes edgewise engagement being adapted to sustain the pack when by the swinging of the fork the pack is raised from the companion support.

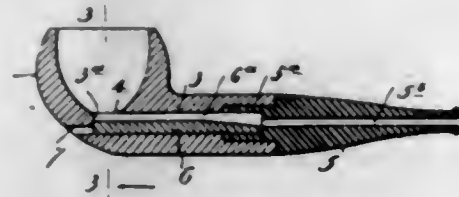
1,511,602. CAN-CLEANING MACHINE. WILLIAM HENRY FROGGATT, Centalla, Ill. Filed July 9, 1923. Serial No. 650,523. 1 Claim. (Cl. 15-70.)



A combined scraper and agitator for receptacles, comprising a standard having duplex spiral grooves, a headed outer end, and arched spring feet secured thereto to rest on the bottom of a receptacle, a longitudinally slotted hollow shaft surrounding the standard, a sleeve surrounding the shaft, said sleeve having a pin passing through the slot of the shaft and entering the groove

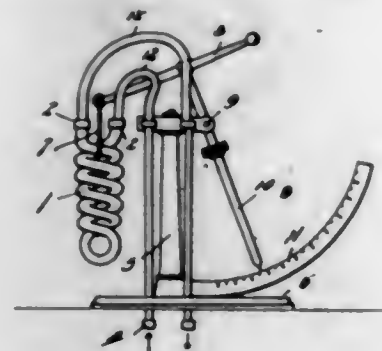
of the standard, arms on the sleeve, other arms pivotally secured thereto, fingers on the outer ends of the last mentioned arms, a ring member slidable on the sleeve pivotally connected to the last mentioned arms beyond their pivotal connection with the first mentioned arms, a helical spring supported on the sleeve and bearing against the ring member for spreading the last mentioned arms to bring the fingers thereof to wiping engagement with the inner wall of the receptacle, a gear on the outer end of the hollow shaft, a second gear supported from the outer end of the standard in mesh with said gear, an operating handle for said last mentioned gear, and curved spring arms having jaw ends to engage the mouth of the receptacle supported on but not revoluble with the hollow shaft.

1,511,603. TOBACCO PIPE. HENRY J. GAISMAN, New York, N. Y. Filed June 21, 1923. Serial No. 646,767. 4 Claims. (Cl. 131-12.)



1. A tobacco pipe comprising a body having a bowl and a duct communicating therewith, a stem rotatively fitted to the body and provided with a bore and an extension having a channel communicating with said bowl and adapted to register with the bowl, said body having an outlet bore communicating with said duct adapted to communicate with said channel when the stem is out of smoking position.

1,511,604. SPECIFIC GRAVITY APPARATUS. JAMES J. GANUCHEAU, New Orleans, La. Filed May 21, 1923. Serial No. 640,389. 1 Claim. (Cl. 265-44.)

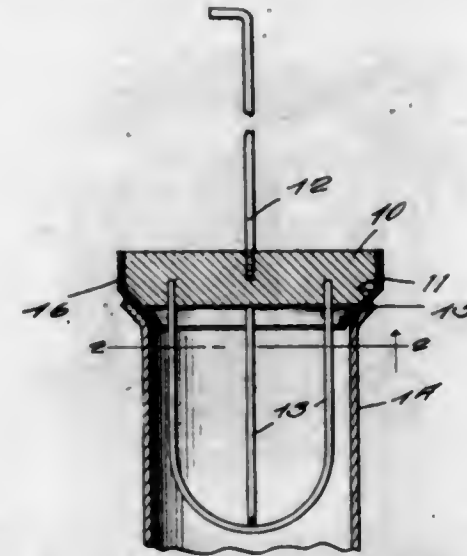


Apparatus for determining the specific gravity of liquid comprising a stand having an arcuate scale attached thereto, a pointer pivoted upon the stand and having an end portion adapted to move along the scale, a cross bar fixed to the pointer at a point above the point of pivotal connection with the stand, a coil hanging pendant from one end of the cross bar and disposed at the opposite side of the stand from the pointer, and means supported by the stand for passing a liquid through the coil.

1,511,605. VALVE FOR FLUSH TANKS. FRANCES F. GRAY, West Finley, Pa. Filed Sept. 19, 1923. Serial No. 663,645. 1 Claim. (Cl. 4-56.)

A flush tank valve comprising a disk conical at its lower end, a member provided at its upper end with a valve seat for coaction with the conical portion of the disk, and a soft resilient normally straight walled band

of less diameter than the disk having one edge portion thereof engaged with the disk above the conical portion thereof, the band projecting downwardly about the conical



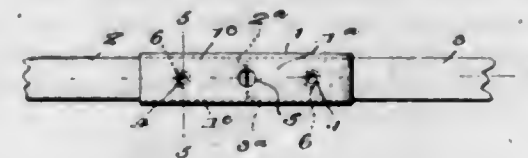
portion and contracting through its resiliency upon such conical portion to provide a yieldable seating face for the disk.

1,511,606. BOTTLE CASE. EDWARD WILLIAM HAMANN, Winnipeg, Manitoba, Canada. Filed June 23, 1923. Serial No. 647,281. 3 Claims. (Cl. 217-19.)



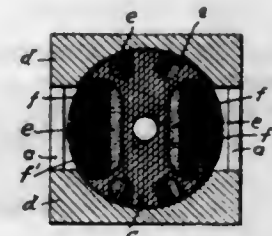
1. A bottle case having a multi-board bottom and a plurality of similar bottle spacing posts extending upwardly from the bottom, each post having an enlarged head anchored in the bottom of the box between the inner and under board of the bottom.

1,511,607. CONNECTER FOR STEEL TAPES. THEODORES C. HAMBY, Columbia, S. C. Filed Oct. 29, 1923. Serial No. 671,469. 4 Claims. (24-123.)



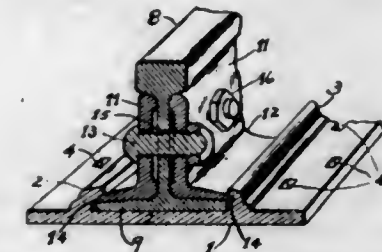
1. In a connector, a body block having main openings extending inwardly from its opposite ends for the reception of the ends of articles to be secured, said body block having lateral openings through the wall thereof and extending from the exterior into said main openings, and the wall of said body block opposite to said lateral openings being solid and imperforate and of rigid material capable of being deformed toward said lateral openings and to remain fixedly in the deformed position, and the sides of said walls at either side of said lateral openings and throughout the length of the block between said main openings being continuous and providing continuous supporting contact for the articles to be held against movement in a plane at right angles to said lateral openings.

1,511,608. DYNAMO-ELECTRIC MACHINE. ERNEST HARRISON, Newcastle-on-Tyne, England. Filed Aug. 29, 1919. Serial No. 320,658. 2 Claims. (Cl. 171-209.)



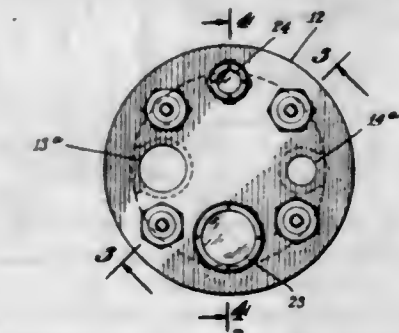
1. A dynamo electric machine having an armature of shuttle type, with longitudinal slots in its periphery besides the usual two large channels or slots, the armature being wound with two separate and independent windings, one of which is situated in the large channels as usual and supplies alternating current and the other one, which is intended for direct current, is wound both in the large channels and in the slots which are located in the periphery.

1,511,609. RAIL JOINT. SMITH A. HOGE, Rices Landing, Pa. Filed Apr. 23, 1923. Serial No. 633,993. 1 Claim. (Cl. 238-210.)



The combination with a pair of rail ends to be connected and having serrated flange edges, of a rail joint comprising a base plate formed with a pair of spaced lugs, each of said lugs provided with a longitudinally extending groove on its inner face, a fish plate engaging in each of said grooves for clamping said rail ends to said base plate, the inner face of the outer positioned lug below the groove therein being formed to provide a serrated edge adapted to interlock with serrated flange edges, substantially as described and for the purpose set forth.

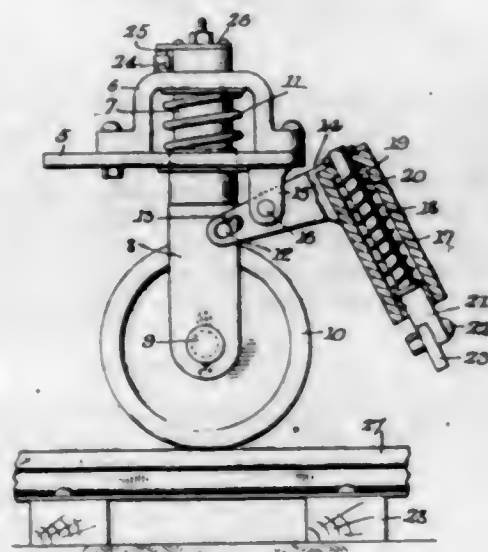
1,511,610. DOME COVER FOR TANK CARS. WILL K. HOLMES, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Nov. 27, 1920. Serial No. 426,720. 3 Claims. (Cl. 220-24.)



1. A temporary, removable gas tight dome cover for loading tank cars, comprising a cover plate or lid, a charging line and a gas line extending through the lid and sealed therein, a gas tight transparent peep sight to enable an attendant to view the interior of a tank

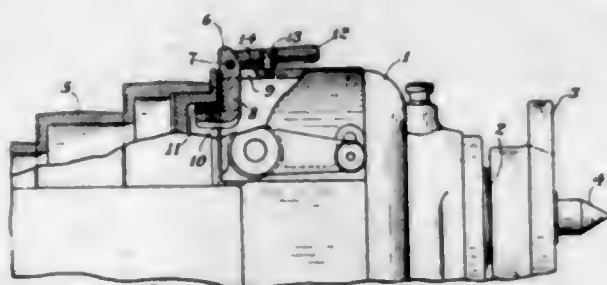
car, a small gas tight window spaced from the peep sight and adapted to admit light into the interior of the tank car, and clamping bolts for securing the lid in position adapted to be sealed against the escape of gases or vapors therearound.

1,511,611. TRAIN-CONTROL APPARATUS. ROBERT F. HUDSON, Richmond, Va., assignor to William J. Ford, trustee, Fredericksburg, Va. Filed Nov. 8, 1923. Serial No. 673,496. 8 Claims. (Cl. 246-192.)



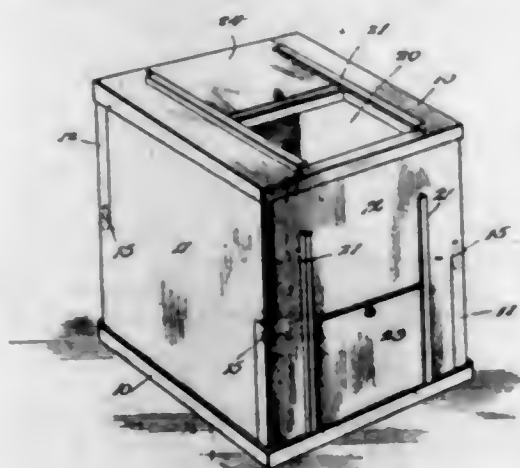
1. The combination with a traffic rail and a ramp rail disposed in parallel to and having its highest point slightly above the upper surface of the traffic rail, of a shoe mechanism including a vertically movable traffic rail engaging wheel slightly wider than the traffic rail and capable of engaging and being raised by the ramp rail, and a ramp rail contact operably connected to the first wheel whereby the contact is elevated when the wheel is upon the traffic rail and in engagement with the ramp rail when the wheel is engaging the ramp rail.

1,511,612. HEADSTOCK BRAKE. WALTER E. INGHAM, Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 10, 1921. Serial No. 476,522. 6 Claims. (Cl. 188-74.)



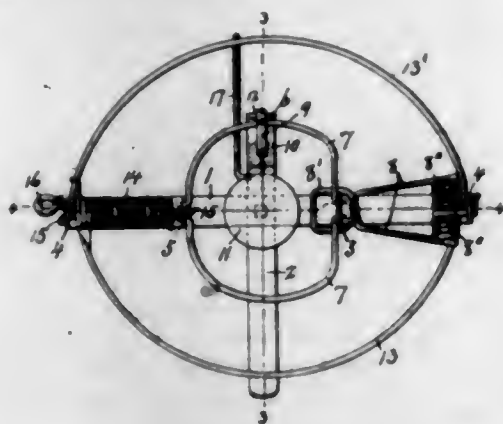
1. A headstock brake comprising the combination of a headstock, a spindle rotatable therein, a member mounted on the spindle, an element pivoted on the headstock at a point adjacent the junction of two relatively angular portions of the element, the outer of such two portions extending over the headstock adjacent the outer surface thereof and the inner portion extending through an opening into the headstock, and a brake shoe on the inner portion adapted to frictionally engage the said member when pressure radially inward of the spindle is applied to the said outer portion.

1,511,613. CONCRETE REFUSE CONTAINER. WILLIAM JOHNS, Chicago, Ill. Filed June 13, 1922. Serial No. 567,903. 3 Claims. (Cl. 220-1.)



1. A concrete refuse container formed of mating top, bottom, end and side slabs one provided with a door opening therein, guide rails sunk into said slab at opposite sides of the door opening, and a door slidable between said rails normally closing the door opening.

1,511,614. ANIMAL TRAP. ALLAN C. JONES and JERAMIAH O'NEIL, Oneida, N. Y., assignors to Oneida Community, Limited, Oneida, N. Y., a Corporation of New York. Filed Feb. 3, 1923. Serial No. 616,697. 7 Claims. (Cl. 49-88.)

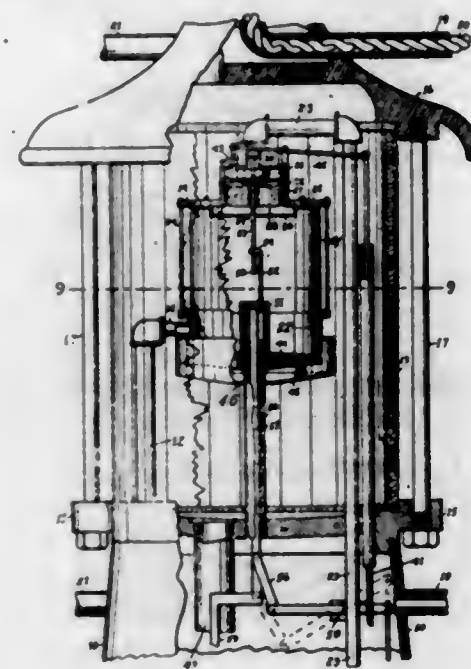


1. In an animal trap, a frame and a pair of spring-actuated primary jaws pivoted thereto, in combination with a secondary jaw pivoted to the frame beyond the opposite ends of the primary jaws to swing from a position at one side to a position at the opposite side and in the direction of movement of the primary jaws, a coil spring between one end of the secondary jaw and the corresponding ends of the primary jaws for operating said secondary jaw and releasable means for setting the jaws in their open positions.

1,511,615. LIQUID-MEASURING PUMP. MARCENA R. JULIAN, Jamestown, N. Y., assignor of one-third to Almet N. Broadhead, Jamestown, N. Y., and one-third to Dan W. McCarthy, Lakewood, N. Y. Filed Dec. 27, 1920. Serial No. 433,174. Renewed Sept. 4, 1924. 25 Claims. (Cl. 221-95.)

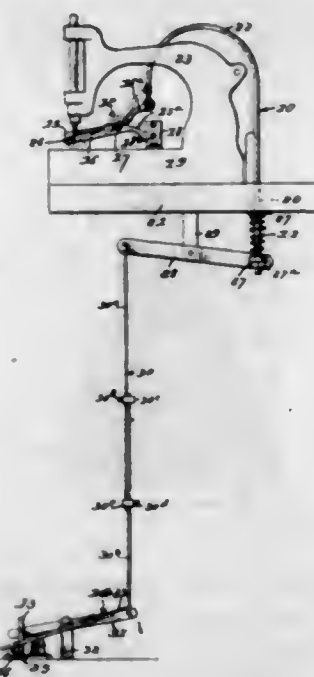
1. In a gasoline dispensing device for use in gasoline stations and the like, a supporting frame structure, a normally empty delivery container having an outlet carried by the frame structure, a measuring container also carried by the frame structure and communicating with the delivery container to empty its contents therein, means formed for connection to a source of gasoline supply for supplying gasoline to said measuring container, means controlled at will of the operator to govern the

filling and emptying of the measuring container into the delivery container, and means controlled by the operator to permit egress of the fluid from the outlet at the will of the operator, each of the containers being transparent



so that the purchaser may view both the filling and subsequent emptying of the measuring container into the delivery container and the emptying of the delivery container.

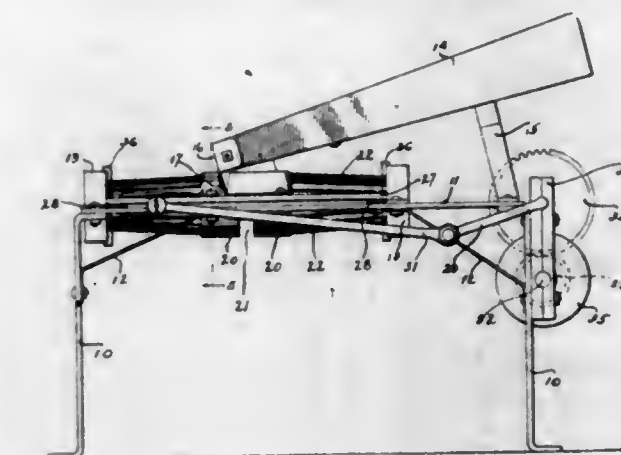
1,511,616. THREAD CLIPPER FOR BAG MACHINES. MARVIN R. KENDALL, Hutchinson, Kans. Filed Sept. 14, 1920. Serial No. 410,296. 1 Claim. (Cl. 112-252.)



In combination with a controlling treadle for stitching machines, movable in opposite directions, a thread clipper including fulcrumed shear blades one of which is mounted on a fixed pivot thereby to permit the fulcrumed blades to swing in an arc, an arm connected with the other of said blades, a compressible spring connected with said arm, a lever connected with said arm and pivoted to the machine, another lever pivotally supported adjacent the treadle and operatively connected with said first mentioned lever, means carried by the treadle for engaging with the last mentioned lever at one side of its pivot, and a latch device controlled by the treadle and also adapted to engage with the said last mentioned lever.

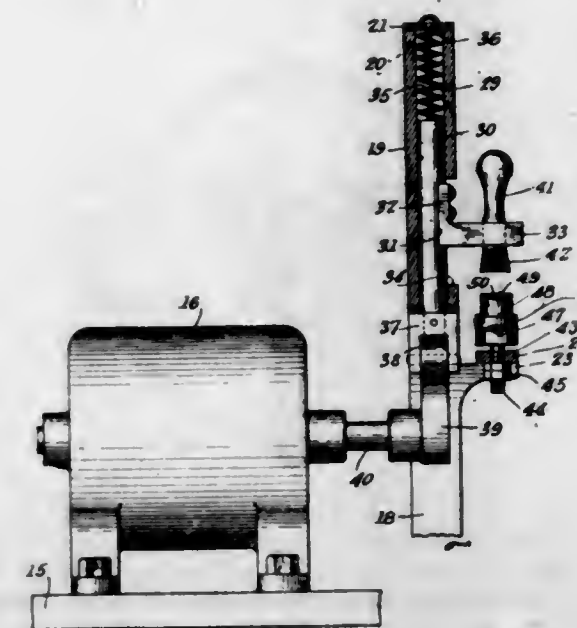
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1,511,617. SEED-POTATO CUTTER. PETER KNUSEN, Hetland, S. Dak. Filed May 15, 1924. Serial No. 713,575. 4 Claims. (Cl. 146-169.)



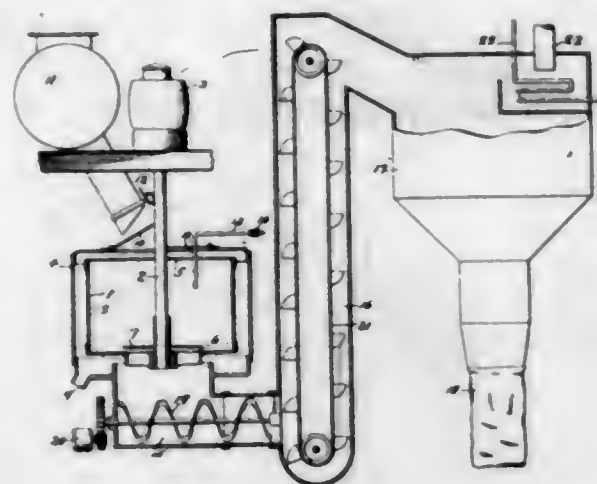
1. In a seed potato cutter, an inclined table adapted to receive potatoes and having an opening at its lower end through which potatoes are adapted to fall, a frame adapted to hold said table in an inclined position, means for catching the potatoes falling through said openings, reciprocating platons for forcing the potatoes outwardly from said catching means, a pair of tubular members extending in opposite directions from said catching means, knives mounted in crossed relation to the ends of said tubular members, and pistons slidably mounted for reciprocating movement through the catching means and tubular members whereby potatoes may be moved out of the catching means first in one direction and then in the opposite direction and forced into engagement with the cutting knives.

1,511,618. PERFORATION-CLEANSING RECIPROCATING-BRUSH APPARATUS. THEODOR KOCH and KURT K. LEDIG, Newark, N. J., assignors to American Platinum Works, Newark, N. J., a Corporation of New Jersey. Filed Oct. 11, 1922. Serial No. 593,677. 4 Claims. (Cl. 15-21.)



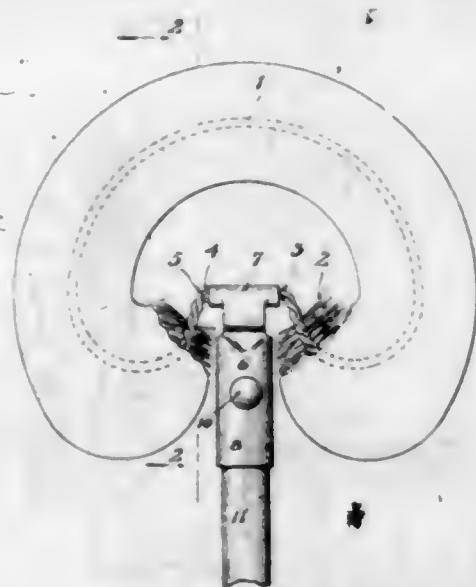
1. An apparatus for cleansing the apertures in a perforate article comprising a reciprocating carrier, a cylindrical brush removably engaged lengthwise in said carrier presenting downwardly extending bristles a support on which the article is removably engaged to register with the bristles of said brush, and means for adjusting said support.

1,511,619. APPARATUS FOR TREATING SUGAR. BRUNO C. LECHLER, Philadelphia, Pa., assignor to one-half to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 15, 1921. Serial No. 437,486. 7 Claims. (Cl. 210-66.)



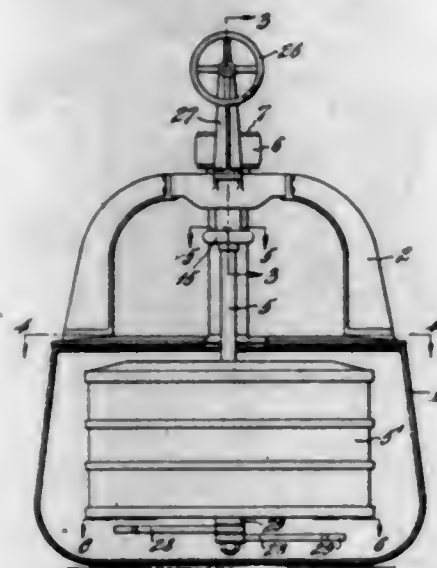
1. In an apparatus for purging sugar, in combination, a centrifugal provided with a casing which has separate charging and discharging openings, and means for preventing the entry of contaminated air to the centrifugal during operation of the same and during the discharge of material from the centrifugal.

1,511,620. BRUSH. GEORGE S. LEINER, New Rochelle, and CHARLES A. BERNSTEIN, New York, N. Y. Filed Dec. 10, 1923. Serial No. 679,566. 2 Claims. (Cl. 15-229.)



1. A brush formed of a pair of wires twisted together, with bristles held between the twisted wires, the end portions of the twisted wires both being bent inwardly toward the center of the brush, one end portion being further bent to form a bearing, the four ends of the two wire portions being overlapped and welded to form a union immediately adjacent the said bearing, the union being at the bend connecting the bearing with the other wire portion, a clamping element rotatably mounted on the bearing, and a handle carried by said clamping element.

1,511,621. BALANCING DEVICE FOR EXTRACTORS. GEORGE N. LINK, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 25, 1920. Serial No. 419,460. 5 Claims. (Cl. 64-48.)



4. An extractor, comprising a suitable support, a rotary basket and spindle mounted to oscillate about a center on said support, and balancing means for said basket and spindle, comprising a series of arms mounted for free rotation upon said spindle beneath the center of oscillation.

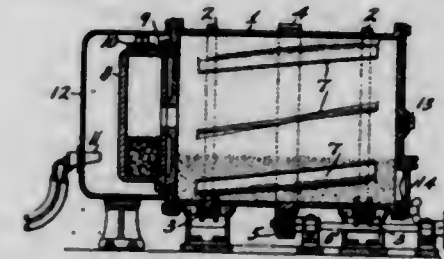
1,511,622. IGNITION SYSTEM FOR FLARES, BOMBS, AND THE LIKE ADAPTED TO BE DROPPED FROM AIRCRAFT. OWEN DAVID LUCAS, Bayswater, London, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed Oct. 30, 1923. Serial No. 671,676. 15 Claims. (Cl. 244-1.)



1. In a fuze for fuzed bodies adapted to be dropped from aircraft which have a gripping contact device, a projecting member on the fuze adapted to be held by said gripping contact device, a timing device provided with fuze composition, an electrical ignition device adapted to ignite the said composition, said projecting member having a pair of electrical contacts insulated from each other and connected to the electrical ignition device.

2. In a fuze for fuzed bodies adapted to be dropped from aircraft, a timing device provided with fuze composition, an electrical ignition device adapted to ignite the said composition, a projecting head mounted to swivel in the end of the fuze, a pair of external contacts on the head, which contacts are insulated from each other, and an electrical connection from one of the said head contacts to the electrical ignition device, the said connection including a rubbing contact surface allowing the swivelling head to turn while maintaining the electrical connection.

1,511,623. DUST INSECTICIDE AND METHOD AND APPARATUS FOR MAKING THE SAME. HENRY K. MCCONNELL, Richmond, Va., assignor to Tobacco-By-Products and Chemical Corporation, Louisville, Ky., a Corporation of Delaware. Filed Aug. 5, 1922. Serial No. 579,852. 10 Claims. (Cl. 167-6.)

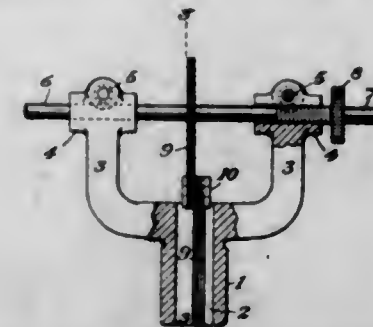


1. A dust insecticide material comprising inert material of different sized particles coated with a nicotine insecticide, said dust insecticide material showing a higher percentage by weight of nicotine on the finer particles than on the coarser particles, substantially as described.

7. The process of making a dust insecticide material containing a nicotine insecticide, which consists in subjecting finely pulverulent material to the action of a vapor containing free nicotine while maintaining the pulverulent material cool enough to condense said vapor, and then subjecting the pulverulent material carrying the free nicotine to the action of an acid vapor, whereby the free nicotine is converted into the corresponding nicotine salt.

10. In an apparatus for making dust insecticide material carrying a nicotine insecticide, the combination with a rotatable drum containing means for lifting and showering a pulverulent carrier material, of a retort in communication with the interior of the drum, and means for heating said retort.

1,511,624. CYLINDER GAUGE. JOHN J. MCGUCKIN, Brooklyn, N. Y., assignor to Louis Schwab, doing business under the business name or style of Stevens & Company, New York, N. Y. Filed July 13, 1921. Serial No. 484,294. 1 Claim. (Cl. 33-143.)



In a cylinder bore gauge, the combination of a frame provided with opposed arms, rods constituting measuring elements of accurately predetermined lengths adjustably supported by said arms in the line of a common axis, an integral extension projecting outwardly from said frame and having a central bore the extended axis of which will intersect the line of axis of said rods, a thickness gauge embodying a plurality of pivoted plates longer than the distance from the mouth of the bore to the common axis of the rods and insertable within said bore, and provided with a common element pivotally connected thereto, larger than the diameter of said bore, and disposable to support selected plates across the common axis of said rods and the remaining plates within the bore of said extension.

1,511,625. HIGH-SPEED GARAGE JACK. ROBERT E. MANLEY, York, Pa. Filed Oct. 19, 1922. Serial No. 595,509. 9 Claims. (Cl. 254-6.)

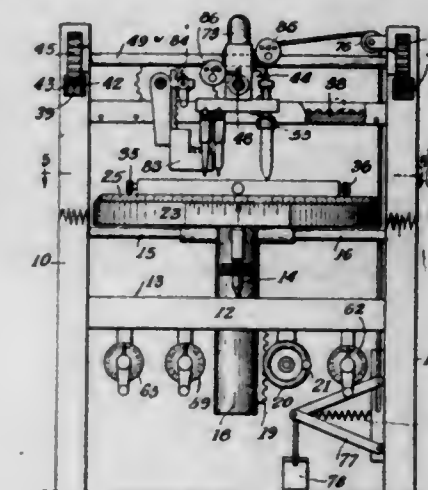
1. In a jack, a portable frame, a lifting post at one end of the frame, a handle adjacent the opposite end

of the frame, a horizontally disposed rack bar supported from the frame for transmitting motion from the handle to said post, connections between the handle and rack



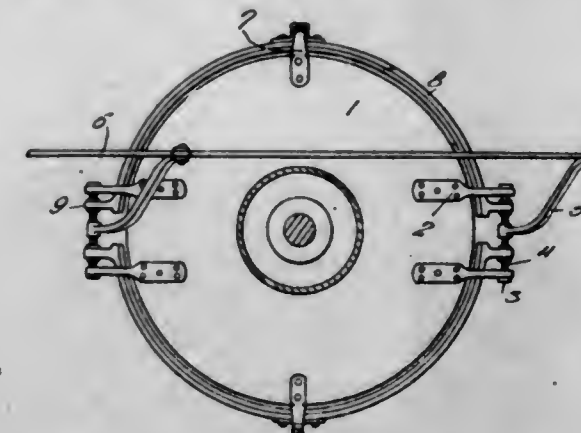
bar, and means for rendering said connections inoperative whereby the bar may be reciprocated independently of the handle.

1,511,626. DRAWING TABLE. PASQUALE MARINO, Harrison, N. J. Filed Jan. 30, 1923. Serial No. 615,783. 10 Claims. (Cl. 33-26.)



1. A drafting table and means for supporting it, said supporting means extending above said table, racks in pairs secured to said supporting means and means operable upon each set of racks for moving a marking device.

1,511,627. BAND BRAKE. LEANDER MENG, Genoa, Ohio. Filed June 23, 1924. Serial No. 721,767. 2 Claims. (Cl. 188-77.)



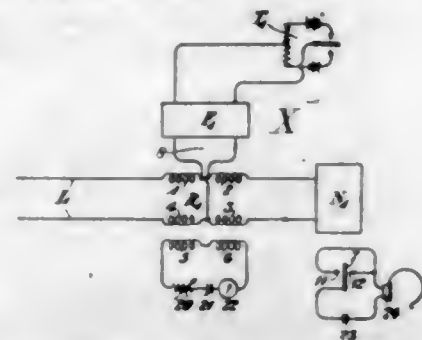
1. A band brake structure comprising a disc, spaced arms mounted thereon, threaded posts journaled in the arms, means for turning the posts simultaneously, collars threaded upon the post and brake band sections having lugs which carry the collars.

1,511,628. PROCESS OF MAKING FERROCHROMIUM. KARL MÜLLER, Essen, Germany, assignor to Metal & Thermit Corporation, New York, N. Y., a Corporation of New Jersey. Filed Aug. 29, 1921. Serial No. 496,632. 4 Claims. (Cl. 75-17.)

1. The process for increasing the yield of chromium in the aluminothermic production of carbon-free iron-

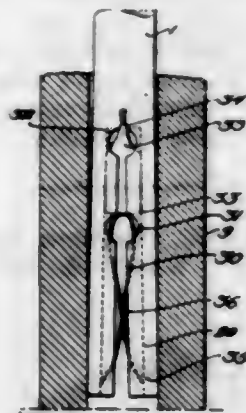
chromium alloys from chrome-iron ore, which consists in adding to the ordinary aluminothermic mixture of chrome-iron ore and reducing metal a certain amount of oxides of iron and subjecting this mass to the aluminothermic reaction.

1,511,629. ELECTRICAL TESTING SYSTEM. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 16, 1921. Serial No. 485,310. 13 Claims. (Cl. 178-58.)



1. The method of measuring unbalance between two electrical networks, which consists in impressing across the said networks a steep sloped current impulse and determining the magnitude of the unbalance between the said networks by measuring the magnitude of the current necessary to nullify the effect of the unbalanced current upon an electroresponsive device.

1,511,630. ADJUSTABLE LAMP. MORRIS OZLEK, Philadelphia, Pa. Filed Mar. 21, 1921. Serial No. 454,011. 2 Claims. (Cl. 248-41.)



1. An adjustable support including a hollow standard, a post telescopically fitting within the standard, and having a longitudinally extending hole therein, and being split in the direction of its length; and resilient means disposed in said hole and separating said split end transversely for spreading the same into frictional engagement with the inner surfaces of the standard; substantially as described.

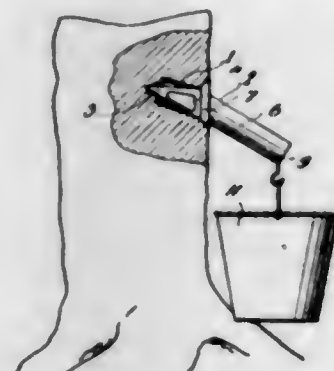
1,511,631. MOTOR-CYCLE FRAME. VICTOR W. PAGE, Stamford, Conn. Filed Dec. 26, 1922. Serial No. 609,007. 1 Claim. (Cl. 208-93.)



A motor cycle frame comprising a pair of side members arranged in parallelism, each of said members having a forwardly and upwardly-projecting forward end, a steering head secured to the forward ends of said mem-

bers, run-board brackets carried by each of said members, a U-shaped brace connecting said members together adjacent their rear ends, vertically-extending members secured to the side members and to the U-shaped brace, the upper ends of said vertically extending members converging toward each other, a seat-post cluster secured between the upper end of said vertically extending members, and a rearwardly extending brace connected to each of said vertically extending members at its forward end and at the rear end to the rear end of its respective side member.

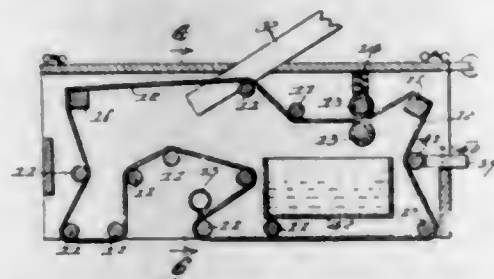
1,511,632. SAP SPOUT. STANLEY PENKSA, Long Island City, N. Y. Filed Feb. 7, 1921. Serial No. 443,291. 7 Claims. (Cl. 47-53.)



1. A device of the character described having a conically formed inner terminal, a spout and an annular flange at the rear of said spout, said terminal being spiked, a hollow spider formation connecting said terminal and said spout.

7. A device of the character described consisting of an inclined spout terminating in a vertical flange and means for holding said spout connected to a sap opening, said means consisting of an inclined spider, said spider terminating in a solid cone, said cone having teeth inclined toward said spider.

1,511,633. MOPPING MACHINE. WALTER C. POLLARD, St. Elton, Pa. Filed May 3, 1922. Serial No. 558,130. 1 Claim. (Cl. 15-90.)



In a mopping machine, a casing, guiding rollers journaled therein, a mop threaded in engagement with the rollers, mop moving means comprising shafts angular in cross section engaging the said mop, means for tensioning the mop to increase the frictional contact of the mop with the said shafts, means for rotating the shafts, wringing rollers between which the mop travels, a receptacle for fluid expelled from the mop, means for supplying water to the mop, and means for driving certain of the rollers which the mop engages.

1,511,634. BALL CAGE OR RETAINER FOR BALL BEARINGS. ROBERT F. RUNGE, Forest Hills, N. Y., assignor to The Hess-Bright Manufacturing Company, a Corporation of Delaware. Filed Oct. 25, 1923. Serial No. 670,652. 3 Claims. (Cl. 64-59.)

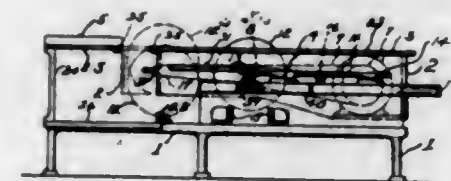
1. A ball cage comprising a pair of sheet metal rings each having a cylindrical body portion and radially dis-

posed lugs or web sections, the body portion being recessed between adjacent webs and the body at the



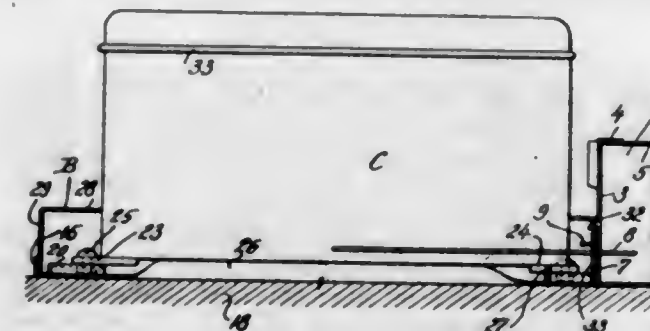
region of the recess and adjacent edges of the lugs having turned over edges, such turned over edges forming a continuous flange.

1,511,635. COMBINATION CARPENTER MACHINE. LOUIS F. RUZICKI, Los Angeles, Calif. Filed Feb. 23, 1923. Serial No. 620,689. 3 Claims. (Cl. 144-1.)



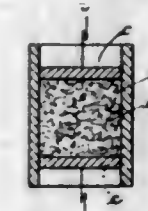
1. A woodworking machine of the class described, comprising a stationary lower portion, and a carriage slidably positioned in the upper portion thereof, adapted to be set into a stationary position, in combination with a power generating and transmission means positioned in the said carriage, a driven shaft operatively connected to the said power transmission means, adapted to be secured in a raised or lowered position, a holding means in connection with the end portions of the said driven shaft, a table secured on the top portion of the said carriage, a table secured to the lower end of the said stationary lower portion of the machine, a table, adapted to be positioned over the second mentioned table, in a line with the first mentioned table, adjustable guides, adapted to be secured to the said tables, cutting tools, adapted to be secured to the said holding means, as set forth.

1,511,636. CUT-OUT BOX AND METER ADAPTER. ALBERT B. RYPINSKI, Brooklyn, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed May 12, 1921. Serial No. 468,824. 3 Claims. (Cl. 247-2.)



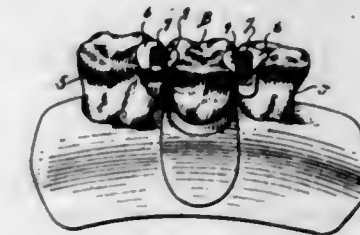
1. An electric installation including in combination a cut-out box and an adapter for connecting a meter thereto, said adapter comprising a bottom adapted for attachment to a fixed base and for attachment to the meter, said bottom having a central opening with edges bent upward to form a rest for the base of the meter.

1,511,637. METHOD FOR THE DRESSING OF MINERAL CONGLOMERATES OR MIXTURES. GREGG SPACKLER, Clausthal, and KARL GLINZ, Berlin-Dahlem, Germany. Filed Aug. 4, 1923. Serial No. 655,767. 6 Claims. (Cl. 83-84.)



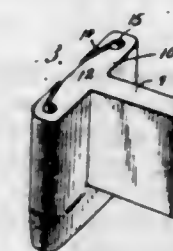
1. The process of preparing conglomerate ore for recovery of valuable constituents thereof, consisting in subjecting the same intermittently to vacuum until the bonds between granules thereof are loosened.

1,511,638. DENTURE ATTACHMENT. ISIDORE STERN, New York, N. Y. Filed Apr. 2, 1924. Serial No. 703,585. 7 Claims. (Cl. 32-12.)



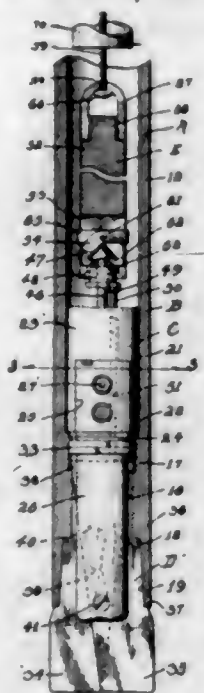
1. In combination, dental bridgework comprising pier teeth provided with sockets, a bridge adapted to be disposed between the pier teeth, denture attachments carried by the bridge and adapted to snugly fit into the sockets, expansible adjusting means carried by the attachments whereby the bridge may be tightened and reset to improve its function, and a cutting or filing rib carried on each attachment and projecting from the socket engaging surface to enable trimming and shaping operations to be made on the denture without damaging the surface of the expansible adjusting means of the denture.

1,511,639. DENTURE ATTACHMENT. ISIDORE STERN, New York, N. Y. Filed Apr. 2, 1924. Serial No. 703,587. 7 Claims. (Cl. 32-12.)



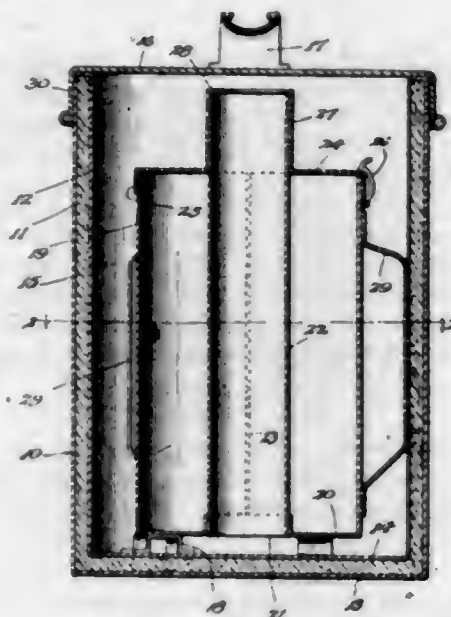
6. A denture attachment comprising a shank piece by which the device is fastened to a bridge, a flat plate head piece made on one end of the shank, one face of the head piece being shaped down from the region of the shank joiner to each outer edge thereof forming a taper, a tapered wing having its outer thicker wing edge joined to the outer thin head edge and lapping back along the tapering head wall to provide a head piece substantially rectangular in cross section.

1,511,640. DRILL AND UNDERREAMER. JOHN C. STOKES, Shreveport, La. Filed Aug. 17, 1920. Serial No. 404,240. 7 Claims. (Cl. 255-78.)



1. In a drill apparatus, a bit carrier including a body and spaced legs, the inner faces and upper edges of the legs being provided with grooves, and cover plates carried by the legs and enclosing said grooves.

1,511,641. ICE-CREAM FREEZER. MYRTLE E. SULLIVAN, Fort Stockton, Tex. Filed Oct. 31, 1923. Serial No. 671,949. 3 Claims. (Cl. 220-17.)

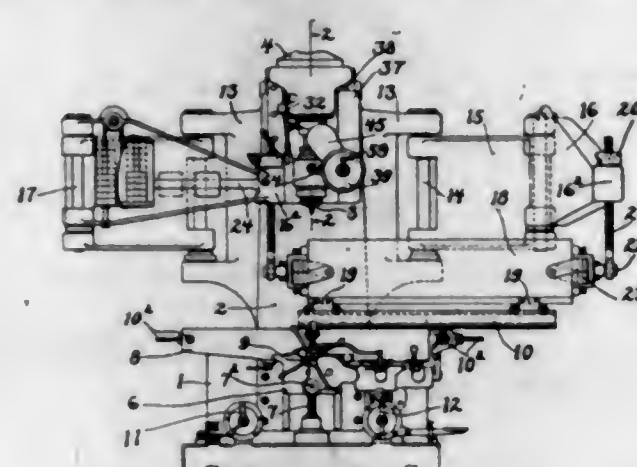


1. An ice cream freezer comprising an outer vessel having a suitable closure, a can adapted to be inserted in said vessel, means for spacing the can from the walls and bottom of said vessel, and a central tubular column secured in the bottom of said can and open at both ends, establishing communication between the upper and lower strata of the outer vessel.

1,511,642. TOOL FEEDING AND TRAVERSING MECHANISM FOR MACHINE TOOLS. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 27, 1921. Serial No. 487,871. 18 Claims. (Cl. 90-14.)

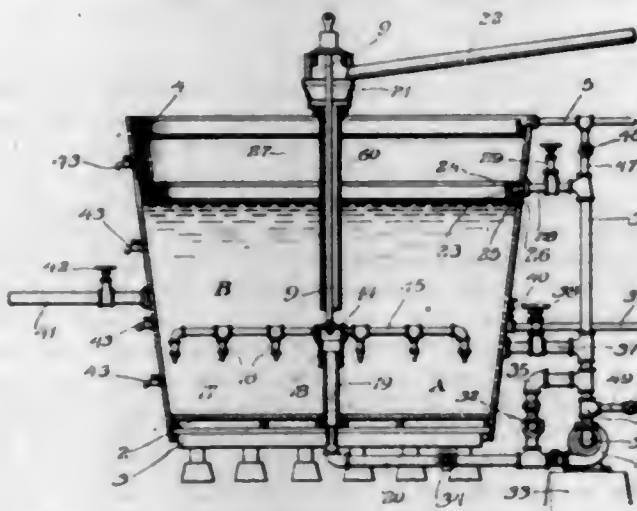
1. In a machine tool, the combination of a support, a tool spindle, a member supporting the spindle for sliding movement on the support, a rotary element for sliding

the spindle, a gear secured on the element for rotation therewith, a second gear non-rotatably mounted adjacent and coaxial of the first gear, a hand wheel, and mechanism for connecting the hand wheel with the first said



gear for directly rotating the same and the said element or for operatively connecting the hand wheel with both said gears for indirectly rotating the said element at a different speed.

1,511,643. HYDRAULIC CLASSIFIER. LAMARTINE C. TRENT, Washington, D. C. Filed Oct. 21, 1921. Serial No. 509,317. 5 Claims. (Cl. 83-82.)

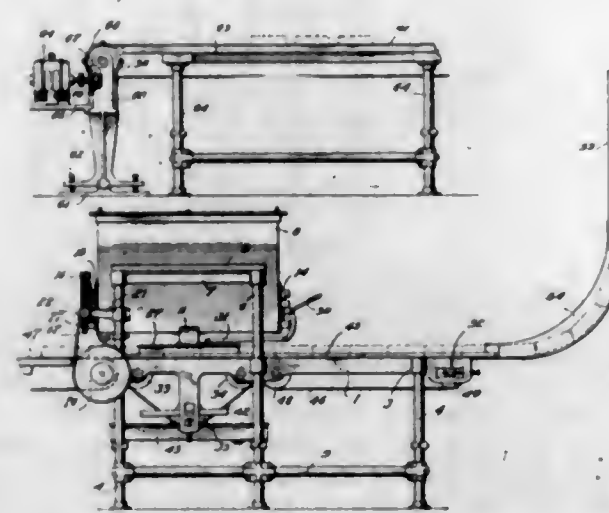


1. A process for hydraulic classification of ground material, comprising circulating water upwardly through a receptacle, feeding said material downwardly into said receptacle, agitating the material collecting on the bottom of the receptacle, controlling the circulation of said water by admission of extraneous water into the system, and drawing off at certain points of the system the material held in suspension therein.

1,511,644. ICE-CREAM-PACKAGING MACHINE. THEODORE L. VALERIUS, Waukegan, Ill., assignor to Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1922. Serial No. 534,002. 5 Claims. (Cl. 226-95.)

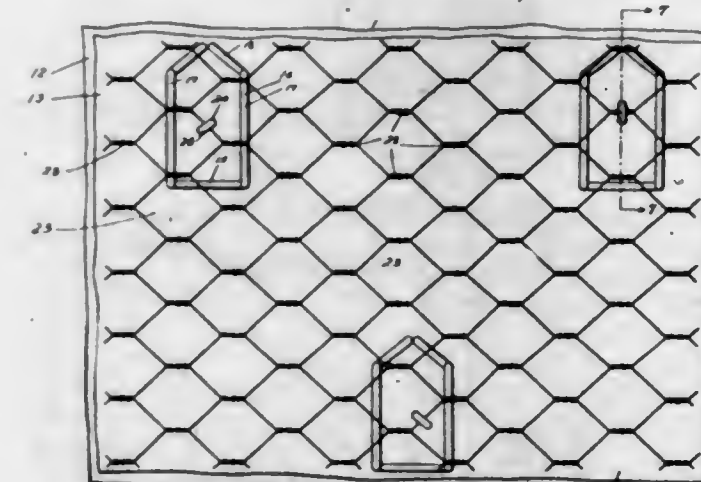
1. In a machine of the class described, an ice cream supply reservoir having a discharge orifice, and means for conveying a series of inter-abutting containers successively into register with said orifice, said means comprising a pair of associated frictional conveyors operating in alignment at different speeds, the slower one of said conveyors being adapted to carry said containers into register with said orifice, and the faster one of said conveyors being adapted to deliver said containers successively upon said slower conveyor and maintain said containers in inter-abutting serial relation upon the latter.

3. In a machine of the class described, an ice cream supply reservoir having a discharge orifice, a belt conveyor adapted to carry containers to and from said



orifice for filling, and a member having transverse resilient contact with the carrying surface of said belt adapted to remove liquid accumulations therefrom.

1,511,645. WALL CONSTRUCTION. GEORGE F. VOIGHT, Oakland, Calif. Filed Dec. 1, 1922. Serial No. 604,389. 6 Claims. (Cl. 72-120.)



1. A furring unit having laterally oppositely disposed wire supporting bars having one end unitarily connected together, one of said bars having a fastening prong.

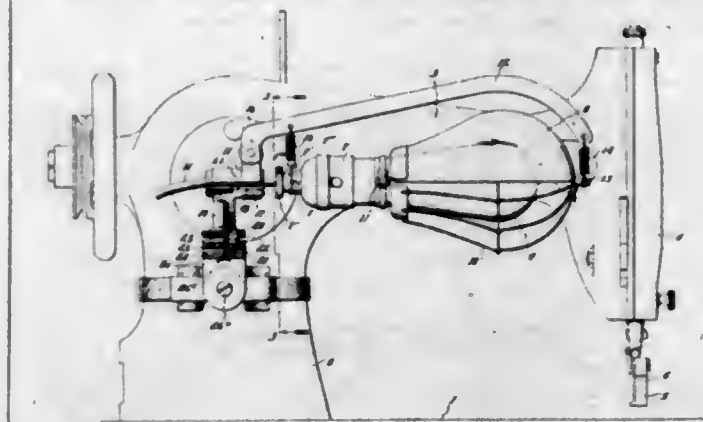
1,511,646. PROCESS OF MAKING CARBONYL HALIDE. VICTOR M. WEAVER, Thorold, Ontario, Canada, assignor to Weaver Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 7, 1918. Serial No. 210,609. Renewed Apr. 23, 1923. 14 Claims. (Cl. 260-166.)

14. The process of producing carbonyl chloride by the action of carbon dioxide upon aluminum chloride.

1,511,647. LIGHTING DEVICE FOR SEWING MACHINES. IRVING F. WEBB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 23, 1922. Serial No. 531,028. 5 Claims. (Cl. 240-2.)

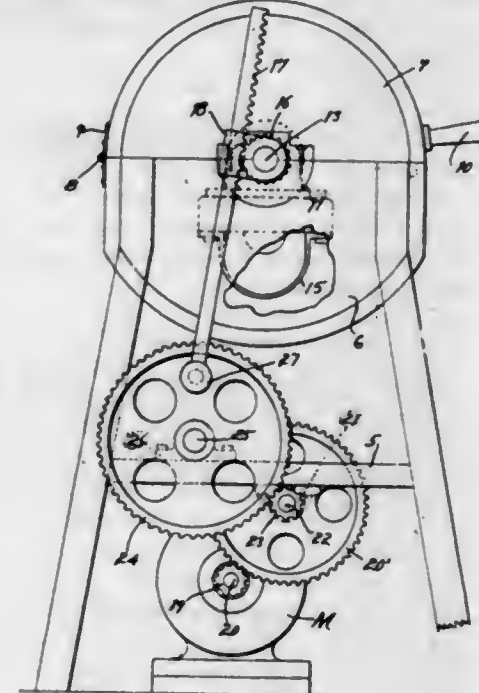
1. A lighting device comprising supporting means adapted to be secured to the frame of a sewing machine,

an electric lamp-socket and semi-cylindrical reflector rigidly connected in end-to-end relation, and suspension



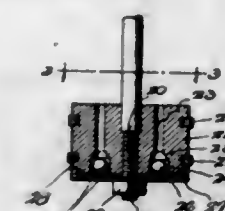
springs between said supporting means and said socket and reflector, respectively, said springs supporting said socket and reflector horizontally.

1,511,648. PLATE-ETCHING MACHINE. EINAR G. WENNERBLAD, NELS OSCAR NELSON, and RAY C. JOHNSON, San Francisco, Calif. Filed Jan. 3, 1923. Serial No. 610,523. 5 Claims. (Cl. 41-9.)



1. A plate etching machine, comprising a receptacle for the etching solution, a plate support suspended to be moved into the liquid in said receptacle, and means to oscillate said plate support into and out of the solution.

1,511,649. TIRE PUMP. CHARLES H. WENTZELL, Greensburg, Pa. Filed Aug. 3, 1923. Serial No. 655,497. 1 Claim. (Cl. 103-225.)



In a tire pump, a piston provided with an air passage therethrough and having sockets in its under side, the air passage being expanded at its lower end to form a valve chamber, a freely movable valve in said chamber controlling the flow through said passage, and a retaining plate secured to the lower end of the piston and extend-

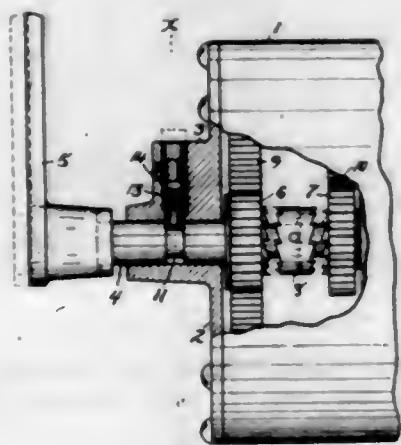
ing across the valve chamber to retain the valve therein, said plate being provided with openings to register with the valve chamber and being provided with studs to engage the sockets in the piston.

1,511,650. POTATO SORTING AND GRADING MACHINE. LEROY A. BOWSER, Hemingford, Nebr. Filed June 16, 1923. Serial No. 645,728. 1 Claim. (Cl. 130—32.)



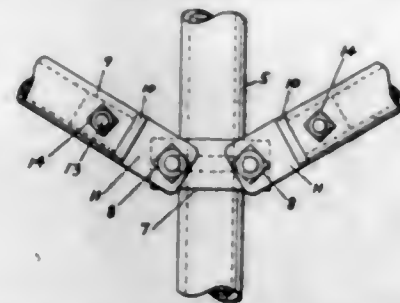
In a machine of the character described, a stand, spaced parallel side boards mounted thereon, said side boards being horizontally disposed, a series of shafts journaled in the side boards and bridging the space between them, said shafts being spaced at regular intervals apart, rollers mounted concentrically upon the terminal shafts of the series of shafts, rollers eccentrically positioned upon the intermediate shafts of the series of shafts, the axes of all of the shafts being in horizontal alignment longitudinally of the side boards, the rollers upon the intermediate shafts and which are adjacent each other having the deeper portions of their eccentrics disposed in opposite directions, means for rotating the shafts simultaneously and a belt of fabric material trained around the terminal rollers and having its upper run resting loosely upon the upper portions of the intermediate rollers.

1,511,651. LOCK FOR CLUTCH MECHANISMS. GEORGE U. BRAKE, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, a Corporation of Indiana. Filed May 14, 1921. Serial No. 469,750. 2 Claims. (Cl. 192—114.)



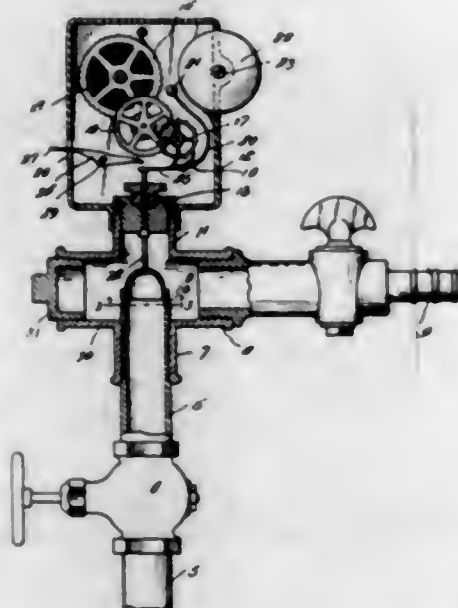
1. In combination with a mechanism including oppositely disposed driven members; a revoluble and longitudinally movable operating shaft extending through said members and having an annular recess therein; a clutch element on the shaft selectively engageable with said members accordingly as the shaft is longitudinally positioned; a spring pressed bolt arranged to be moved against the resistance of its spring into said recess so as to prevent longitudinal movement of the shaft and admit of rotary movement thereof when said shaft is positioned out of engagement with said members; and a key-operated lock operable to hold said bolt in said recess.

1,511,652. PURLIN-SUPPORTING BRACKET. THOMAS J. CALLAHAN, Dayton, Ohio. Filed Nov. 8, 1921. Serial No. 313,639. 1 Claim. (Cl. 287—54.)



In a device of the type described, the combination with a standard, of a U-bolt applied thereto, threaded ends on said U-bolt, a cross member through which the threaded ends of the U-bolt project, a pair of bracket pieces, a flattened end on each bracket piece, through which the threaded ends of the U-bolt project, nuts applied to the threaded ends of the U-bolt outside the flattened ends of the bracket pieces, a cylindrical end on each bracket piece, an annular flange on each bracket piece between its cylindrical end and its flattened end, and a tube fitted on the cylindrical end of each bracket piece, adapted to bear against the annular flange thereon.

1,511,653. GAS-FLOW ALARM. HARRY CAPPELLANTI, Morgantown, W. Va., assignor of one-half to Alphonse D. Lavinder, Morgantown, W. Va. Filed July 31, 1923. Serial No. 654,885. 1 Claim. (Cl. 16—70.)

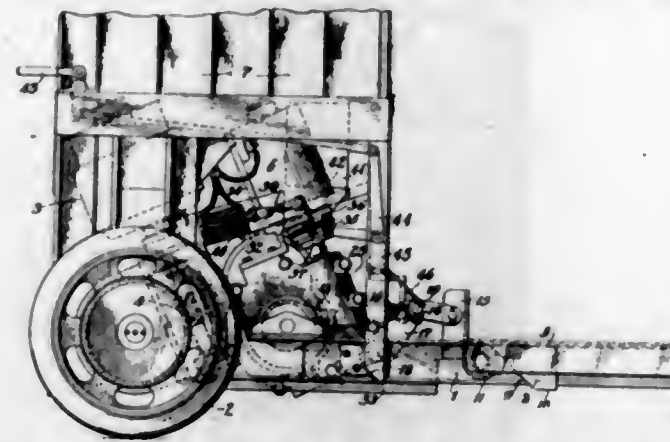


A gas flow control mechanism comprising a body, a pipe entering the body and provided at its side with an opening which is spaced from the interior surface of the body, a bell-shaped piston slidably mounted in the pipe and arranged to move over the opening, the concavity of the piston being disposed in the line of direction of the flow of gas through the pipe, an escapement mechanism mounted upon the body, and a rod connected with the bell-shaped piston and having an end portion disposed in the path of movement of one of the movable elements of the escapement mechanism.

1,511,654. INDUSTRIAL TRUCK. WILLIAM C. CARR, Buffalo, N. Y., assignor to The Automatic Transportation Company, Buffalo, N. Y., a Corporation of Arizona. Filed Feb. 9, 1922. Serial No. 535,245. 2 Claims. (Cl. 254—5.)

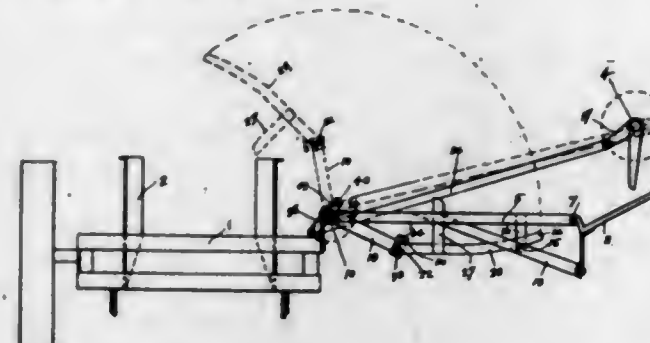
1. In an industrial truck, the combination of a lifting platform, an operating crank therefor, link connections between said platform and crank, a supporting frame, rollers and co-operating cam elements mounted on said

frame and platform respectively, and constituting means for raising or lowering said platform in accordance with the direction of the movements effected by said link connections and a radius arm pivotally mounted



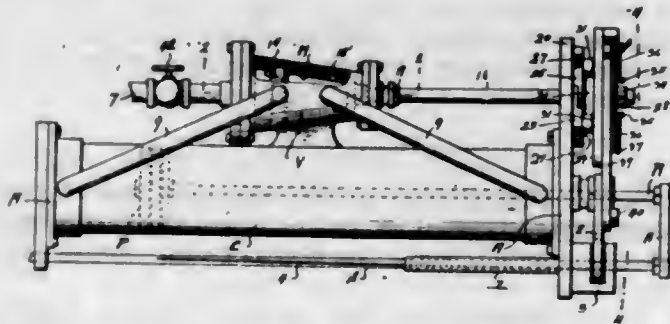
at a fixed point and joined to said link connections to prevent the platform, as elevated, tilting in either direction in consequence of a load borne on either end thereof.

1,511,655. STOOKING-MACHINE ELEVATOR. NORMAN HOWARD CAUFIELD, Victoria, British Columbia, Canada. Filed Sept. 23, 1921. Serial No. 502,711. 4 Claims. (Cl. 56—422.)



1. The combination with a stooking machine and a binding machine, of a frame disposed between said machines on to which sheaves from the binding machine may be deposited, elevator arms arranged normally below said frame, a shaft to which said arms are secured, partial rotation of which elevates said arms to raise the sheaves and dump them into the stooking machine basket, an arm freely mounted on the end of said shaft having a flange concentric with the shaft provided with a notch, an arm secured to the binding machine kicker shaft, a connecting rod between said arms, a pin carried by said elevator arm shaft in slidable engagement with said notch, and means for disengaging the pin out of the notch.

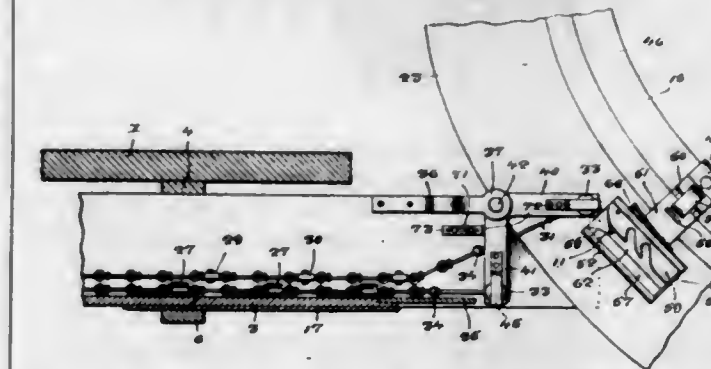
1,511,656. VALVE AND OPERATING MECHANISM THEREFOR. HENRY A. CONGDON, Kingston, R. I. Filed Oct. 17, 1921. Serial No. 508,259. 2 Claims. (Cl. 121—164.)



1. In combination with a cylinder, a reciprocating piston arranged within the cylinder and an oscillating valve for controlling the ingress and egress of the

operating fluid within the cylinder, an operating shaft for the valve, a member loosely mounted on the shaft, a member fixed to the shaft, retractile means connecting the first named member and the second named member, means operable from the piston for swinging the first named member to place the retractile means under tension to rotate the shaft, a disc fixed to the shaft and provided with circumferentially spaced teeth, dogs supported adjacent the disc, one of said dogs engaging the teeth of the disc to hold the shaft against rotation when at substantially the limit of its movement in one direction, the second dog engaging the second tooth of the disc when at substantially the limit of its movement in a reverse direction to hold said shaft against rotation, and means carried by the first named member for releasing the dog from engagement with the disc when the piston reaches substantially the limit of its stroke.

1,511,657. TIRE-CHAIN APPLIER. EARL E. CRONENWETZ, Wilkesburg, Pa. Filed May 21, 1923. Serial No. 640,521. 6 Claims. (Cl. 152—14.)



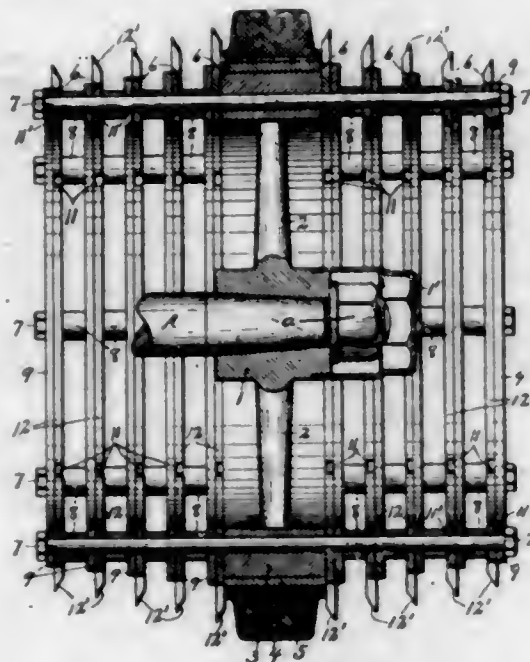
1. The combination with an automobile and folded skid chains housed thereon forward of the drive wheels thereof, means on the end links of the anti-skid chains, means removably engaging the mentioned means sustaining the latter angularly with respect to each other and for projecting one of said mentioned means beyond the other, means for projecting the housed chains to arrange the last mentioned means on the opposite sides of the wheel tires, and swingable means on the wheels movable against the sides of the tire for engaging one of the chain engaging means to remove the same from the supporting means therefor but revolve the latter and bring the second chain engaging means to a position to be engaged and clamped by the last mentioned means when the wheels are rotated in a reverse direction.

1,511,658. FURRING AND FASTENING DEVICE. ORIN T. CROWE, Hayward, Calif. Filed Jan. 3, 1923. Serial No. 610,417. 3 Claims. (Cl. 72—120.)



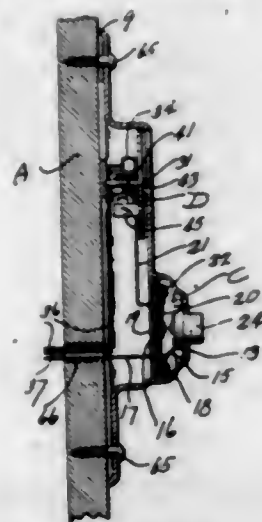
1. An anchoring staple for metal lathing, having at one extremity a wedge-shaped end and at its other extremity a recurved portion with a sharpened end, and adjacent said ends shoulders adapted for spacing purposes.

1,511,659. ICE-RUT CRUSHER. JOHN H. CUNNINGHAM, Syracuse, N. Y. Filed Aug. 30, 1923. Serial No. 660,261. 14 Claims. (Cl. 301-40.)



1. In an ice and snow rut crusher, a wheel having a tire adapted to travel along and into the rut and provided with an axially extending drum having peripheral cutters for crushing the ice or snow ridge at one side of the rut.

1,511,660. DOORBELL SIGNAL INDICATOR. GUY C. CYR, Escanaba, Mich. Filed Jan. 24, 1921. Serial No. 439,526. 2 Claims. (Cl. 177-329.)

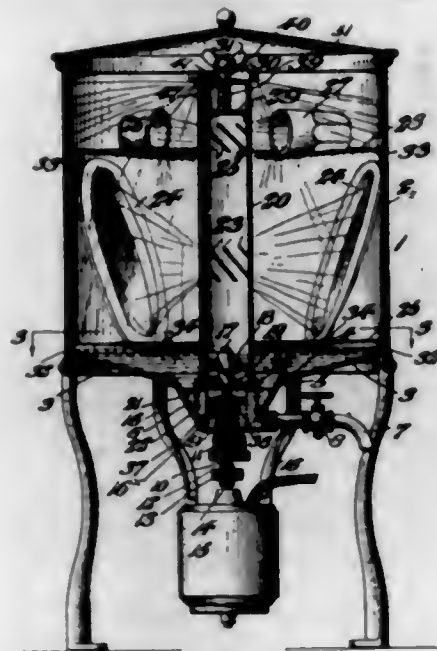


2. In a signal indicator the combination of a supporting casing providing an opening therein, a circular disc pivotally mounted centrally thereof within the casing having several delineations thereon, adapted to be exhibited one at a time through the opening of the casing, an armature eccentrically mounted upon said disc and extending in projecting relation from the plane of the disc, and electro-magnets mounted within the casing upon opposite sides of the armature of the disc, the weight of the armature being normally sufficient to retain the disc delineations out of exhibiting position with respect to the opening in the casing, but when attracted by either of the electromagnets adapted to move the disc to display indicia through said opening.

1,511,661. DISHWASHER. HOWE E. DANTZBACHER, Philadelphia, Pa., assignor of one-half to George A. Gumphert, Ventnor, Atlantic City, N. J. Filed Jan. 12, 1921. Serial No. 438,631. 5 Claims. (Cl. 141-9.)

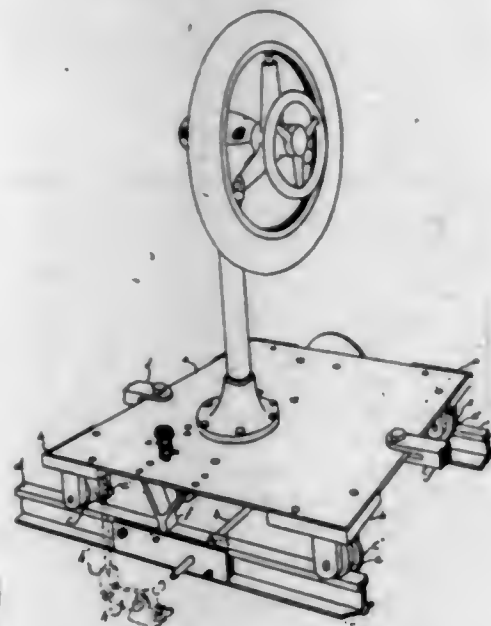
1. In a machine of the character stated, a casing, a stand pipe therein, water propelling devices at the bot-

tom of said stand pipe, and a water sprayer and spreader, rotatably mounted above the top of said stand pipe and



adapted to deflect laterally and downwardly in different planes, the water impinging thereon from said stand pipe.

1,511,662. WORK-CONVEYING PLATFORM OR CAR. JOHN W. DIRKSON, Kent, and LEE E. CLOUGH, Akron, Ohio. Filed Jan. 22, 1921. Serial No. 439,287. 12 Claims. (Cl. 104-25.)



1. In combination with an endless curved railway, a plurality of work conveying platforms mounted thereon: each platform comprising a four-sided bed plate wider at its outer than its inner edge and four flanged supporting wheels mounted in rigid bearings upon the underside of the bed with their axes approximating the radial angle of the curved section of railway, substantially as set forth.

1,511,663. COMBINED HAND DRILL AND VALVE GRINDER. ALEXANDER DOM, Cincinnati, Ohio. Filed Mar. 13, 1923. Serial No. 624,848. 13 Claims. (Cl. 74-14.)

1. In a combined hand drill and valve grinder, a frame, a shaft rotatably mounted in said frame, clutch gears each rotatably mounted on said shaft, clutches each slidably and non-rotatably mounted on said shaft and adapted to engage or disengage its adjacent clutch gear, a clutch

shifter engaging said clutches, operating means on said clutch shifter, a ring gear provided with suitable operating means and mounted in engagement with said clutch gears and having means therein to form either a circular or an oblong track, as desired, to engage said operating



means whereby when said ring gear is turned continuously in one direction said shaft will be driven continuously in one direction also when said track is adjusted to circular form, but will have an alternating reversible motion when said track is extended to oblong form.

1,511,664. PROCESS OF MAKING FIBER FOR PAPER, ETC. VIGGO DREWSSEN, Brooklyn, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a Corporation of Delaware. Filed July 19, 1920. Serial No. 397,484. Renewed Nov. 14, 1922. Serial No. 600,987. 9 Claims. (Cl. 92-11.)

1. The process of producing fiber from cereal straw which comprises cooking the same under pressure in a strong water solution of magnesium monosulphite, removing the treating liquor and suspending the fiber in water to form a flowable pulp and repeatedly treating the pulp with hot sulphurous acid gas to dissolve and remove additional organic material and form a readily bleachable strong fiber.

1,511,665. BUCKLE. ARTHUR B. FAULKNER, Williamsport, Pa. Filed Dec. 19, 1923. Serial No. 681,619. 6 Claims. (Cl. 24-180.)

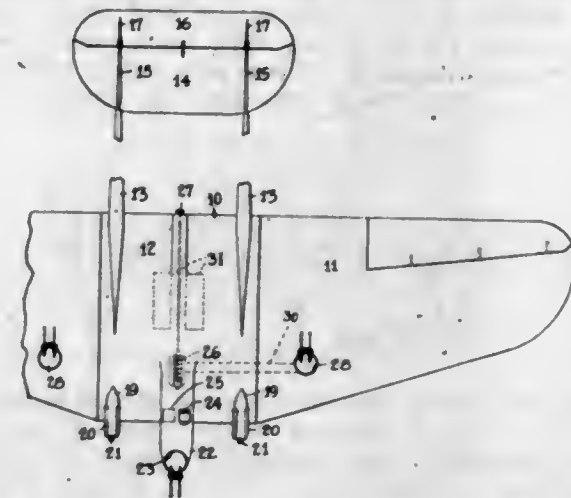


1. A buckle comprising an oblong body portion having side plates connected by upper and lower plates; there being an open space between the upper plates and one of them having one edge adjacent said space slightly raised or upturned; and a swinging locking plate secured to said body portion by yieldable means to permit a slight movement thereof in the direction of the length of said body portion; said locking plate having one edge depressed or downwardly turned and adapted to slip over and snap under the upturned edge of said upper plate and carrying a pin adapted to enter registering apertures in the overlapping ends of a belt passed between said upper and lower plates and lock the several parts together.

1,511,666. TWIN-FUSELAGE MONOPLANE. WILLIAM L. GILMORE, Port Washington, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, a Corporation of New York. Filed May 16, 1921. Serial No. 470,164. 9 Claims. (Cl. 244-14.)

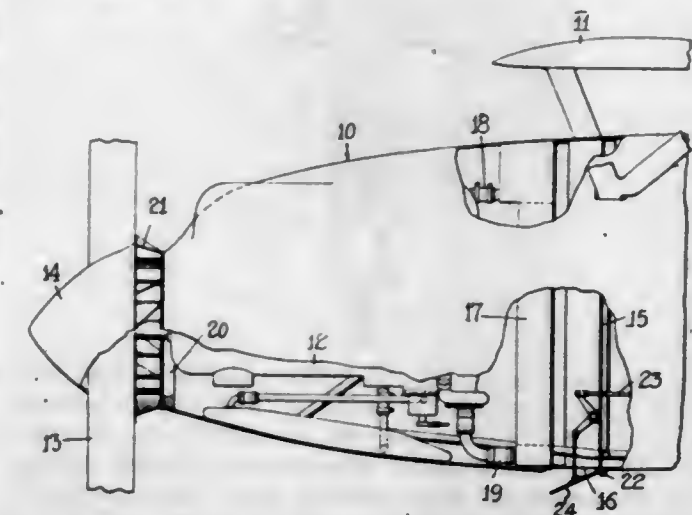
1. In an aeroplane, a supporting surface, said supporting surface comprising connected panels, the center panel of which is of substantially uniform depth from end to end and the outer panels of which are of gradually de-

creasing depth from root to tip, twin fuselages extended rearwardly from the center panel, said fuselages at their forward ends being merged uninterruptedly into the cen-



ter panel, a nacelle extended forwardly of the center panel and likewise merged uninterruptedly therein, a motor enclosed in the nacelle, and a pusher propeller operable between the twin fuselages and driven by said motor.

1,511,667. COOLING SYSTEM FOR THE POWER PLANTS OF AIRCRAFT. WILLIAM L. GILMORE, Port Washington, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Dec. 8, 1922. Serial No. 605,733. 8 Claims. (Cl. 244-31.)

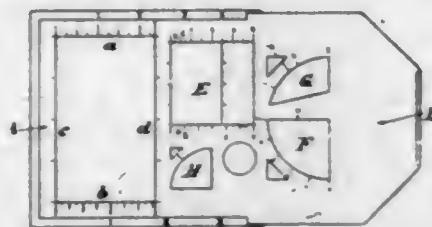


8. The combination, in an aeroplane, of an enclosed body having an open forward end, and an opening in one of its side walls at a point rearwardly removed from said forward end, a power plant enclosed within said body intermediate said openings, a radiator for the power plant likewise enclosed within said body intermediate of said openings but behind the power plant, a tractor propeller, and suction means carried by and rotatable with the propeller for drawing the air thru said rear opening, the air thus sucked being successively passed thru the radiator and around the power plant to a point of discharge thru said forward opening.

1,511,668. PANTOMETER APPARATUS. LEON BENEDICTO GLANZER, Buenos Aires, Argentina. Filed May 3, 1920. Serial No. 378,354. 3 Claims. (Cl. 33-1.)

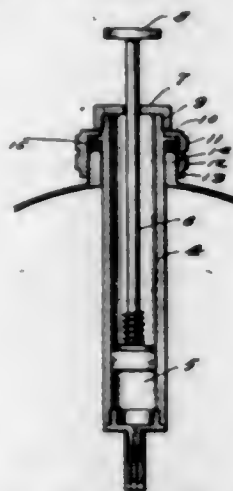
1. An apparatus for determining the proportions of objects seen from a distance and the degrees of inclination of the obliques, comprising a pair of relatively movable slides, one of said slides having a perfectly square opening therein provided with graduations on its opposite edges, the edges of the square opening being adapted to be held so as to bring one dimension thereof coincident

with an apparent dimension of the object being observed and the second slide having one edge provided with graduations aligned with the corresponding graduations along the edge of said square opening, said first named edge being adapted to be moved across said square opening, the movement of the second slide being effected to pick up a second dimension of the said object between the said edge of the second slide and the parallel edge of



the square opening, the body portion of said second slide having a series of openings in the shape of geometrical figures provided with graduated edges, whereby the proportions of various shaped objects brought into register with the corresponding lines at the edges of said opening may be determined by the relative position of one edge of said square across a portion of one of said geometrically shaped openings.

1,511,669. HYDROCARBON LANTERN. RICHARD T. GRADY, San Diego, Calif. Filed July 22, 1920. Serial No. 398,234. 1 Claim. (Cl. 158—50.1.)

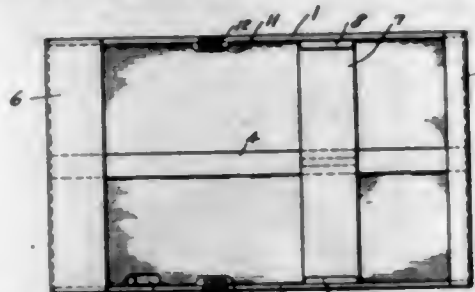


In the devices of the character described, the combination with a lantern provided with a liquid container, having a filler opening therein, an annular lip surrounding said opening, a pump which forms a filler opening, plug to close said filler opening, said pump comprising a cylinder, a peripheral flange adjacent one end thereof, threads cut upon said annular lip, a cap provided with a downwardly depending flange having internal threads which engage the threads on said annular lip, a cap mounted upon the outer end of cylinder, a piston mounted in said cylinder, a rod to actuate said piston, the end of which extends outwardly through said cap which is secured to the cylinder, a peripheral flange adjacent one end of the cylinder, a gasket mounted intermediate said flange and the top of said annular lip and means to seal the lower end of the pump to prevent the liquid being forced out of the container.

1,511,670. FISHING BOAT. CHARLES W. HUCKINS, Seattle, Wash. Filed July 3, 1923. Serial No. 649,195. 2 Claims. (Cl. 9—1.)

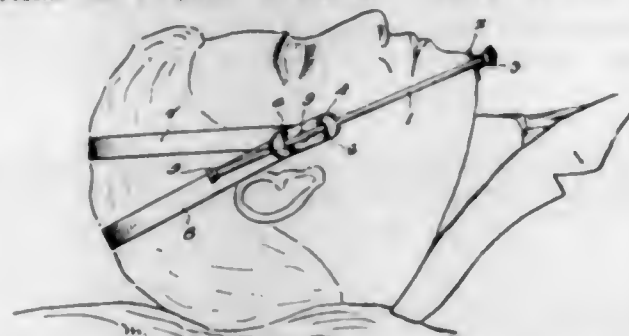
2. A small fishing boat for motor vehicles, having flat sides with the edges curved upward at the ends, boards forming the bottom attached to the lower edges of the sides, cleats attached to the boards on the inside, between the sides, other cleats attached to the sides and boards at the ends and on the top, a transversed board forming a seat attached to the sides by cleats and supported at the center by a stanchion, other cleats attached

to the upper inner edges of the sides, with sockets on them for holding the oar locks; other cleats for protecting the corners, edges and bottom; the exterior of said



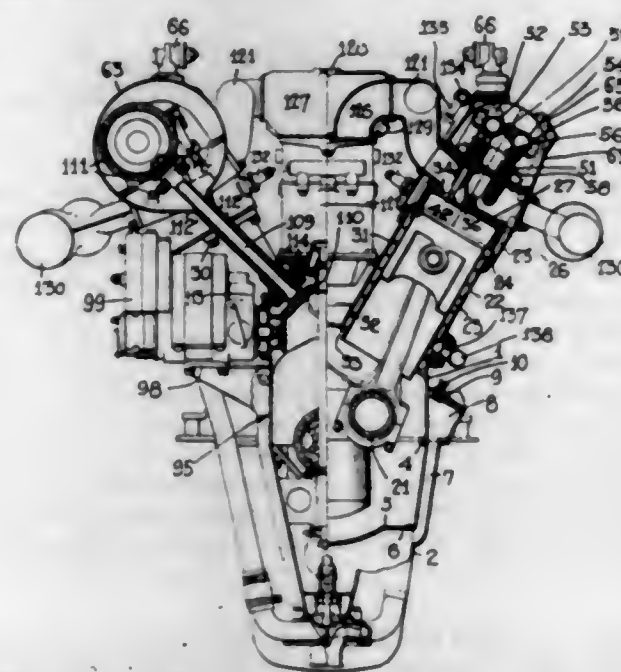
frame being first coated with a wood filler, then covered with shellac, or the like, then canvassed with the edges lapped, then covered with white lead or the like, and then painted or enameled.

1,511,671. CHIN SUPPORT. BRINKLEY B. JONES and ERIC O. FIELDS, Milan, Tenn. Filed Nov. 30, 1923. Serial No. 677,836. 3 Claims. (Cl. 27—25.)



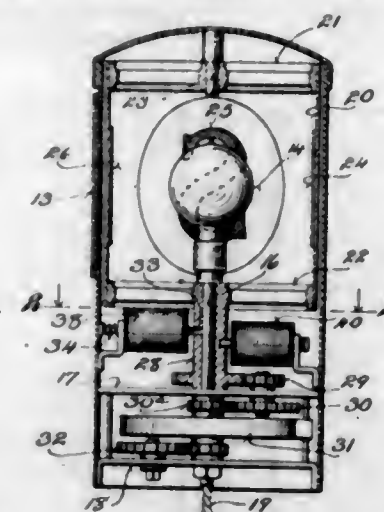
1. A chin support for embalmers' use comprising a frame bar, a chin rest secured thereon, carriers slidably and frictionally engaged with the frame bar, and head bands pivotally mounted upon said carriers.

1,511,672. INTERNAL COMBUSTION ENGINE. CHARLES B. KIRKHAM, Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., a Corporation of New York. Filed May 13, 1918. Serial No. 234,235. 17 Claims. (Cl. 123—178.)



1. In an internal combustion engine, the combination of a cylinder support having a recessed cylinder head seat thereon, a cylinder having an integral head for engagement in said recesses, means for securing said cylinder to said support and a stud formed on the cylinder head for attachment to the cylinder support independently of the supporting means.

1,511,673. AUTOMOBILE SIGNAL LAMP. WILLIAM G. KRAUS, Brillion, Wis. Filed May 5, 1921. Serial No. 466,948. 1 Claim. (Cl. 177—327.)



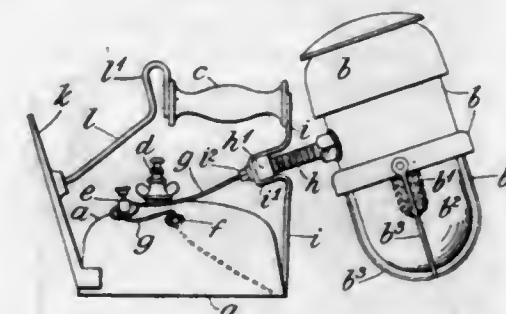
A signal device for automobiles comprising an opaque casing having a window therein, vertically spaced brackets extending transversely across the lower portion of said casing, spring motor mechanism carried between said brackets, a stationary hollow post extending upwardly from the uppermost of said brackets, an electric lamp carried by the upper end of said post, conductors passing through said post for said lamp, a spider having an elongated hub mounted upon said post and provided with a plurality of radial apertures, gearing connecting said hub and spring motor, a plurality of radially arranged solenoids having plungers adapted to enter said apertures, and a transparent casing surrounding said lamp, mounted within said opaque casing, and carried by said spider, said transparent casing having a plurality of signal portions adapted to align with said window.

1,511,674. ATTACHMENT PLUG. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to Magnus Electric Company, Inc., a Corporation of New York. Filed Jan. 12, 1920. Serial No. 351,071. 1 Claim. (Cl. 173—359.)



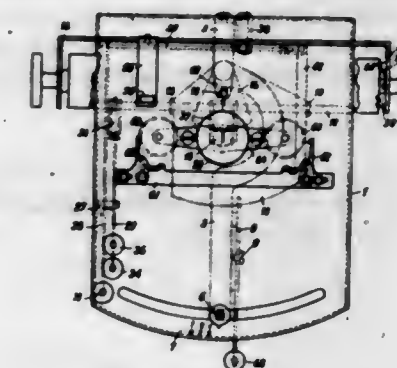
An attachment plug comprising a screw-threaded insulating plug having at one end thereof a ledge, said plug being provided with a longitudinal conductor receiving passage adapted to receive a pair of conductors and having a radial opening communicating with said passage and terminating in a groove formed upon the periphery of said plug and leading to said ledge, a tubular center terminal arranged within said passage, said terminal being provided with a head seated directly upon said insulating plug and having its other end expanded and upset into engagement with said insulating plug whereby the terminal is retained within said passage, an outer screw-threaded terminal carried by said insulating plug and having a flange seated upon said ledge, and a readily accessible radially disposed screw carried by the head of said center terminal and adapted to engage one of said conductors for retaining the same within said terminal the other of said conductors being adapted to pass through said radial opening and along said groove to said ledge and there wrapped around said plug and maintained in position upon said ledge by the flange of said outer terminal.

1,511,675. PORTABLE VAPOR-BURNER INCANDESCENT LAMP. MALCOLM MACFARLANE, London, England. Filed Jan. 2, 1924. Serial No. 684,067. 4 Claims. (Cl. 67—50.)



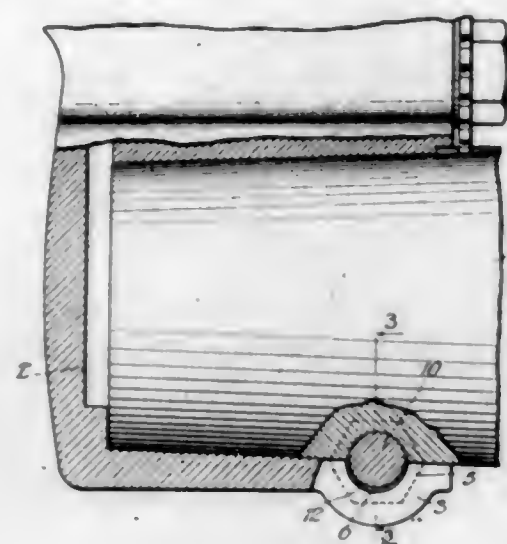
1. In a portable oil-vapor burner lamp, the combination of an oil reservoir, a burner head at one side thereof normally inclined in one direction, means for supporting the lamp so that said burner head is vertical, and means for suspending it so that the burner head is inclined in the other direction substantially as described.

1,511,676. TYPEWRITER. PAUL MUCHAJER, Charlottenburg, Germany, assignor to one-half to Gundka-Werk Vereinigte Blechspielwarenfabriken, Brandenburg Havel, Germany. Filed June 18, 1923. Serial No. 646,131. 5 Claims. (Cl. 197—51.)



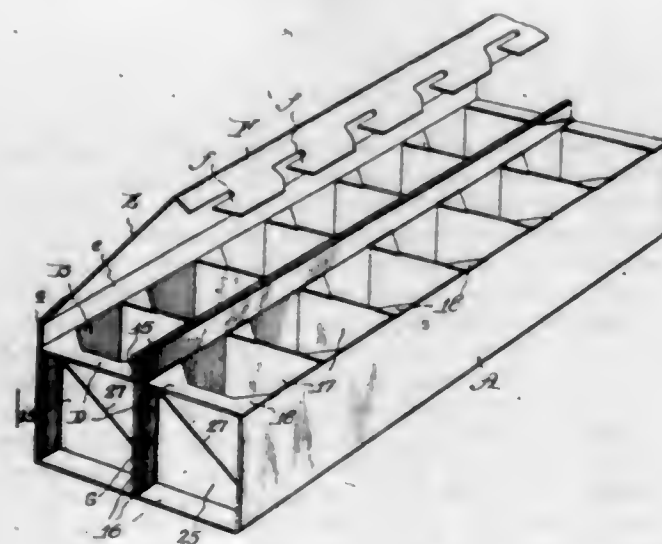
1. A typewriter of the character described comprising a casing provided with a type scale, an arm pivoted to the casing so that it can be adjusted in a horizontal plane, an index connected to said arm so that it can be set by means of the latter relative to the type scale, an operating lever pivoted to the arm so that it can move relative to the latter in a vertical plane and so that it can be used for setting the arm, a rocking plate arranged in said casing and supported by the operating lever so that it can be rocked by means of the latter, an axially and rotatably adjustable type wheel spindle carried by said plate so that it can be rocked thereby for printing, a toothed sector pivoted to said plate, a stay-bolt connecting the sector with said arm so as to transmit motion from one to the other, a pinion feathered on the spindle and meshing with the sector so as to communicate rotation to the type wheel when the arm is adjusted, a comb formed in the casing wall so as to receive the operating lever between its teeth and correct the setting when the lever is depressed for printing, a pivot pin, a shift lever arranged on said pin, means connecting the type wheel spindle with said shift lever so that it can be axially adjusted thereby, a paper carriage, a spacing device for moving said carriage, connection between the rocking plate and the spacing device for operating the latter, a spacing lever arranged on said pivot pin, and connection between the spacing lever and the spacing device for operating the latter.

1,511,677. LOCKING MEANS FOR IMPACT TOOLS. CLARENCE PAGE, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, Detroit, Mich., a Corporation of New Jersey. Filed Feb. 28, 1921. Serial No. 448,543. 1 Claim. (Cl. 287-52.)



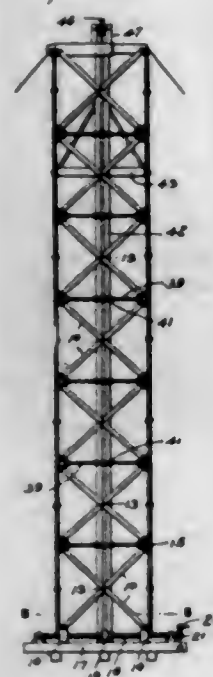
In a pneumatic hammer, in combination, a cylinder having a tapered end, a handle having a tapered socket receiving the tapered end of said cylinder, said handle socket having aligned holes of different diameters and said cylinder a groove registering with said holes, and means for tightening and locking said cylinder in said handle socket comprising a bolt having ends fitting said aligned holes and an intermediate offset portion cooperating with said groove to force the cylinder into the socket.

1,511,678. CELLULAR CARTON. LOUIS SCHWARTZBERG, Chicago, Ill. Filed Jan. 26, 1923. Serial No. 614,988. 19 Claims. (Cl. 229-29.)



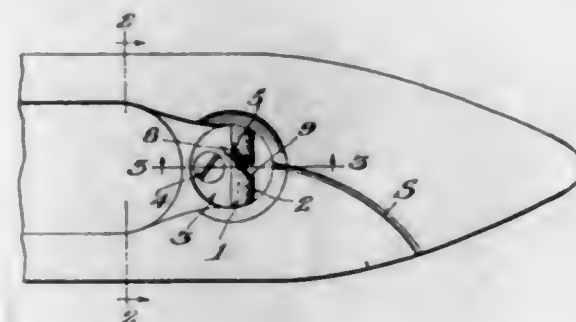
1. A collapsible carton comprising vertical front and rear walls, spaced horizontal walls connecting, respectively, the upper and lower portions of said vertical walls, a longitudinal partition directly connected to one of said horizontal walls and extended to the opposite wall, and cell walls formed with and depressed from the upper horizontal wall upon opposite sides of said partition whereby a plurality of rows of cells are provided in the body of the carton, the construction and arrangement of the elements being such as to permit collapsing of the carton.

1,511,679. EXTENSION TOWER. CARL SCHWARZ, Pittsburgh, Pa. Filed June 23, 1922. Serial No. 570,441. 3 Claims. (Cl. 189-14.)



1. In an extensible tower, a multiple series of interconnected cooperating lazy tongs forming a hollow extensible structure, threaded rods for operating said lazy tongs, a worm wheel on each rod and a telescoping worm shaft for driving said worm wheels.

1,511,680. FRICTION DEVICE FOR SHUTTLES. JOHN C. SHAMBO, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I. Filed Dec. 15, 1923. Serial No. 680,934. 4 Claims. (Cl. 139-219.)

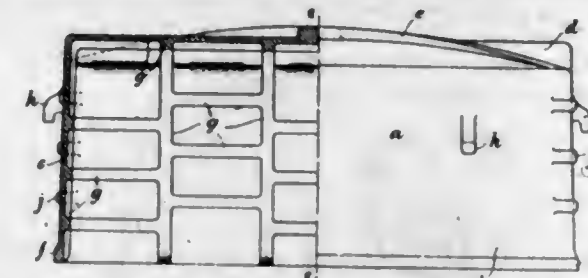


1. In a friction device for shuttles, a substantially inverted U-shaped member the free lower end of one side of which is turned at an angle to provide a supporting foot, one side of the member having a downwardly inclined slot extending through the top of the member and into a side of an elliptical opening formed in said side to provide a threading slot and eye and a guard finger, the free end of the finger being turned outwardly, the opposite side of the member having a vertical slot leading into the diagonal slot, and friction material clamped by and between the sides and having a cut registering with the slots and eye.

1,511,681. ANNEALING COVER. WILLIAM SHAW, Middlesbrough, England. Filed Nov. 8, 1923. Serial No. 673,560. 5 Claims. (Cl. 263-49.)

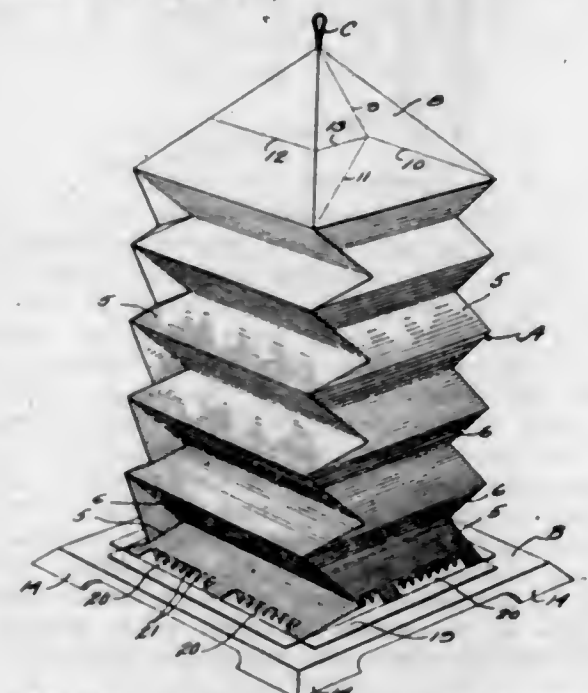
1. An annealing cover made of metal cast in one piece, and having top, side and end walls and an open bottom,

the top being domed-shaped, exteriorly arranged ribs on said cover, said ribs radiating from its center, a net-



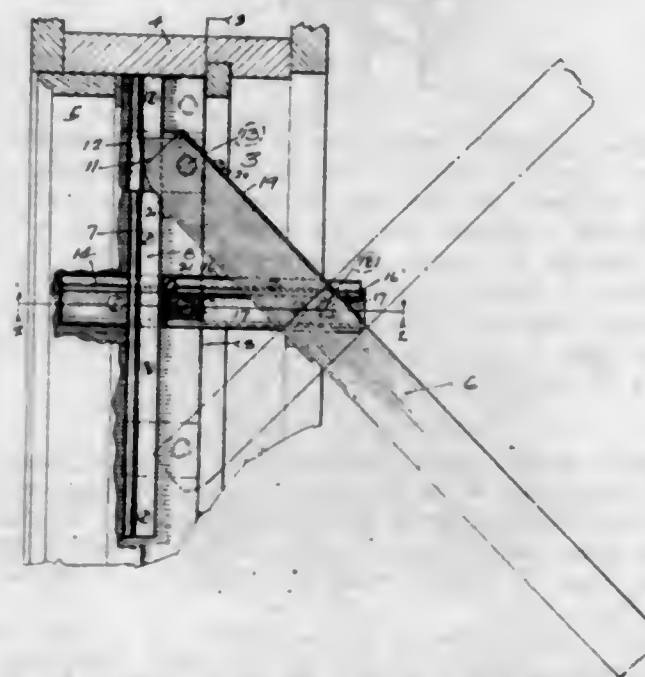
work of ribs on the interior of said cover and a strengthening rib on the lower edge of the ends and side walls of the cover.

1,511,682. FLYTRAP. FRANK F. SKELLY, Ramona, Calif. Filed Jan. 25, 1921. Serial No. 439,876. 8 Claims. (Cl. 43-107.)



1. A fly trap comprising in combination, a base and an imperforate dome-like housing having entrances for flies at said base and roosts extending inwardly from the walls of the housing about a central space for flying.

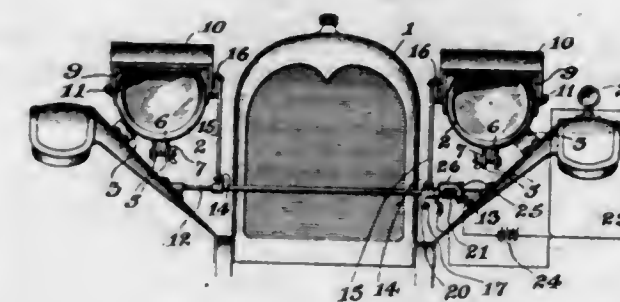
1,511,683. SASH MOUNTING. ARTHUR C. SOULE, San Francisco, Calif. Filed June 19, 1923. Serial No. 646,340. 13 Claims. (Cl. 20-42.)



1. A window construction comprising a frame provided with a separate guide on the two opposite sides thereof; a separate slide shoe engaging each guide; a sash, pivot-

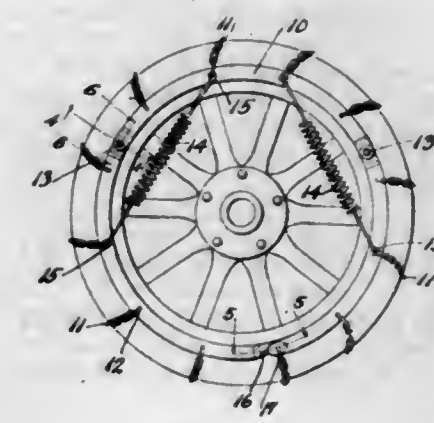
ally connected, at corresponding points on its opposite sides to each slide shoe; a separate guide on the two opposite sides of said frame positioned angularly to and intermediate the ends of said first mentioned guides; and a separate slide shoe pivoted to said sash at corresponding points on its opposite sides and slidably related to each last mentioned guide, whereby said sash is rotatable on one side only of said first mentioned guides.

1,511,684. GLARE ELIMINATOR. WILLIAM H. SPENCER, Lexington, N. C. Filed Feb. 23, 1924. Serial No. 694,614. 2 Claims. (Cl. 240-7.)



1. A glare eliminator including in combination a headlight, a pivotally mounted hood on said headlight, a rotatable shaft, means operable from the automobile dash for controlling the movements of said shaft, links connecting said shaft and hood, an electric circuit including an auxiliary light to one side of the headlight, and a rotary switch in said circuit mounted on said shaft, said switch being constructed and arranged to close the circuit to the auxiliary light when the hood is moved toward its light-obstructing position.

1,511,685. TIRE-CHAIN HOLDER. WALTER J. SPIRO, White Plains, N. Y. Filed Apr. 23, 1924. Serial No. 708,448. 6 Claims. (Cl. 152-14.)

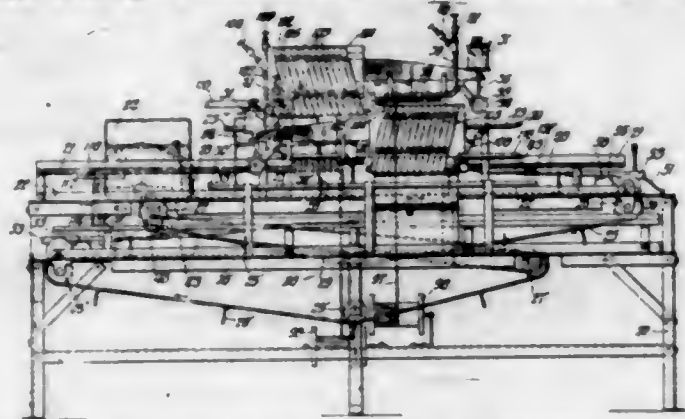


6. In a tire chain holder, a series of pivoted bars connected by tread chains and forming swinging sections with an intermediate connecting section, tension springs connecting said sections for drawing the same toward each other, and a hooked end upon one of the swinging sections to engage interlocking means upon the opposite section.

1,511,686. CAN-SOLDERING MACHINE. CARL STERN, Chicago, Ill. Filed Oct. 3, 1923. Serial No. 666,318. 3 Claims. (Cl. 113-62.)

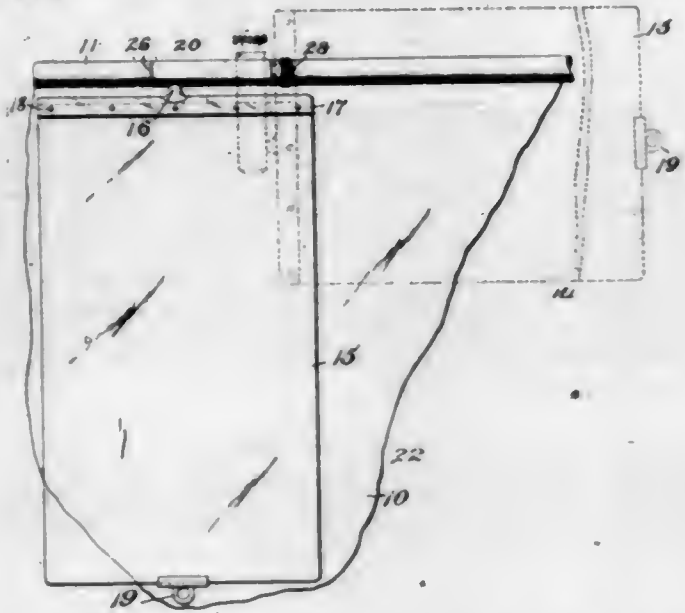
1. In a can soldering machine, a pair of oppositely extending runways, one of said runways being higher than the other thereof, means for moving cans along said

runways in opposite directions, soldering irons and air blast cooling devices arranged successively along said



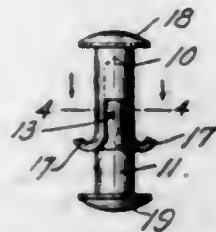
runways, and can operated means for transferring said cans from the upper to the lower runway, said means inverting said cans.

1,511,687. GLARESHIELD FOR WINDSHIELDS. WILLIAM M. STIDWORTHY, Hackettstown, N. J. Filed June 13, 1923. Serial No. 645,015. 4 Claims. (Cl. 296-97.)



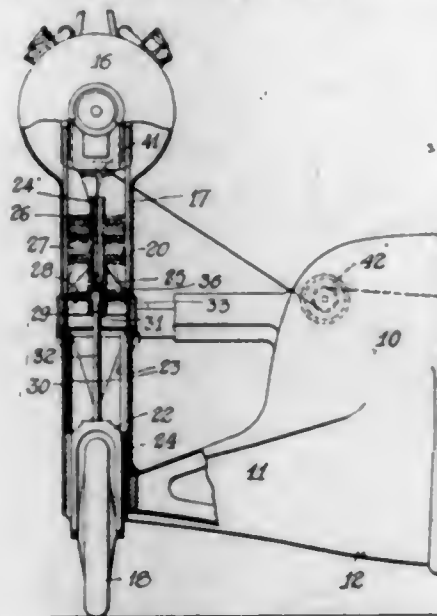
1. A glare shield comprising a supporting stud, a plate, a stud on the plate, a sleeve with an opening near each end, each opening to receive one of the studs and disposed so that one stud is held at right angles to the other and friction means within the sleeve to bear on the studs and hold them yielding in adjusted rotative positions.

1,511,688. TWO-PIECE RIVET. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Original application filed Sept. 28, 1921, Serial No. 503,863. Divided and this application filed Dec. 21, 1923. Serial No. 681,969. 5 Claims. (Cl. 85-39.)



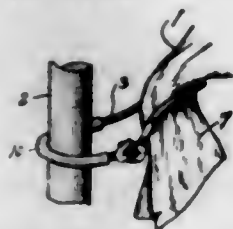
1. A two-piece rivet comprising a stud having a shank longitudinally slotted to provide double prongs, the closed end of the slot being inclined with relation to the longitudinal axis of the shank, and a stud having a pin-shaped shank adapted to be received in the slot of the double-pronged stud and to have its end deflected laterally by engagement with the inclined closed end of the slot.

1,511,689. COMBINATION LAND, AIR, AND WATER CRAFT. JOHN P. TARNOW, Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Sept. 21, 1922. Serial No. 589,583. 13 Claims. (Cl. 244-2.)



3. A combination of land, air, and water craft, comprising one or more aeroplane supporting surfaces, a flotation body so disposed in its relation to said supporting surface as to enable operation of the machine on water, fin excrescences at opposite sides of the flotation body, wheels likewise so disposed in their relation to said supporting surface as to enable operation of the machine on land, mechanism operable to extend and retract the wheels according to whether or not it is desired to operate the machine on land or water, and devices arranged at opposite sides of the flotation body and extending between said supporting surface and the fin excrescences, said devices being so disposed in relation to the wheels aforesaid as to provide an inclosure therefor when said wheels are retracted.

1,511,690. CLOTHES CLAMP. ANDREW THOENI, Denver, Colo., assignor of one-half to Marie A. Sando, Denver, Colo. Filed Aug. 20, 1923. Serial No. 658,324. 1 Claim. (Cl. 24-72.5.)

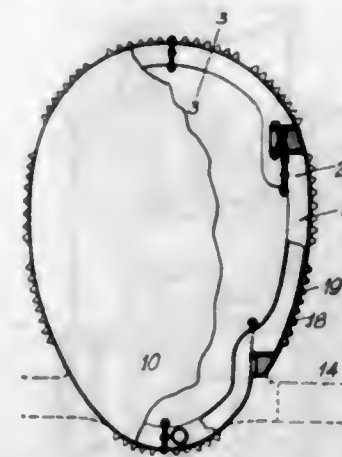


A clamping device formed from a wire of suitable size, said wire having one end portion bent into a hook, a portion adjacent to said hook curved, a second portion formed into a narrow slot, the other end of said wire being adapted to engage and cooperate with the hook to secure the device in place on an anchoring member, said hook extending radially with respect to the curved portion, and a covering member of yieldable material on said curved portion.

1,511,691. AIRPLANE RADIATOR. WILLIAM E. VALK, Jr., Hempstead, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane & Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 598,587. 3 Claims. (Cl. 244-31.)

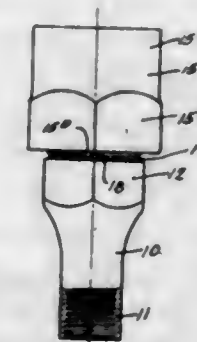
2. The combination in an aeroplane, of a body, a motor, and a radiator for cooling the motor comprising juxtaposed plates, one of said plates being substantially flat and fastened to and against the outer surface of said body to provide therefor an outer skinlike covering

and the other of said plates being corrugated and fastened to and against said first mentioned plate to form therewith a plurality of longitudinally elongated water passages arranged to project radially out from said body,



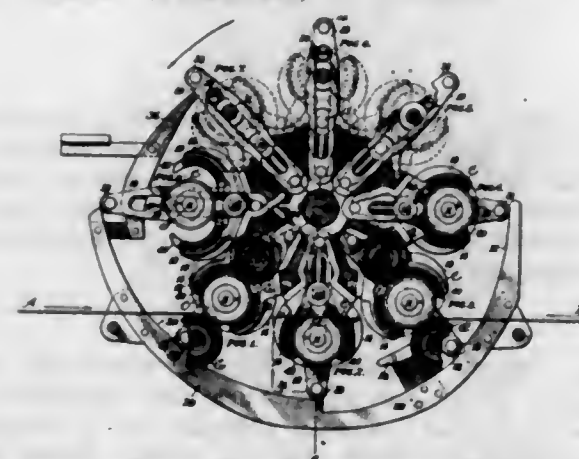
headers for the radiator enclosed within said body respectively at the opposite ends of said water passages, and connections respectively between said headers and said motor.

1,511,692. VALVE. CHARLES VITEK, Maywood, Ill. Filed Mar. 17, 1922. Serial No. 544,405. 1 Claim. (Cl. 251-84.)



A valve comprising a pair of screw-connected members, one of said members having a lateral wall and an opening eccentric to its axis of rotation, the other member having a passage disposed diagonally to its perpendicular axis, the upper end of said passage being adapted for alignment with said opening, a relatively small raised surface portion of said second-mentioned member surrounding said upper end of said passage arranged for frictional contact with the underside of said lateral wall to close the upper end of said passage.

1,511,693. MACHINE FOR MAKING TUBULAR CONTAINERS. JOHN D. WENNER, Bayonne, N. J., assignor to International Paper Company, a Corporation of New York. Filed June 13, 1922. Serial No. 567,961. 20 Claims. (Cl. 93-39.)

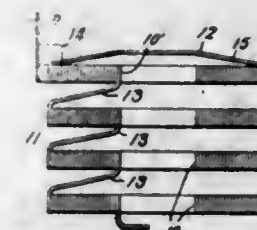


13. In a machine of the type described, the combination of a forming mandrel adapted to have a blank wound therearound to form a tube, a presser member

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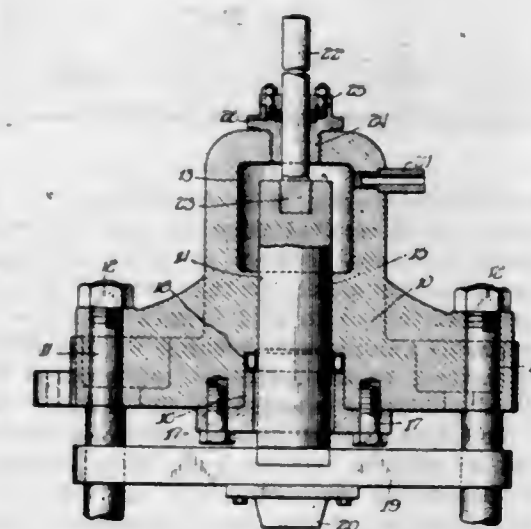
to act on the seam of the tube, and yielding blank guiding means carried by the presser member and adapted to bear on the forming mandrel.

1,511,694. ELECTRICAL APPARATUS. JAMES M. WEED, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 15, 1920. Serial No. 396,585. 6 Claims. (Cl. 175-356.)



1. In electrical apparatus, the combination with a winding, of an end plate conductively connected to the end turns of the winding and spaced therefrom, the spacing of said plate from the individual turns of the winding being proportioned to make the potential gradient in said turns due to capacitance between said winding and plate substantially the same as that due to inductance of said winding.

1,511,695. VARIABLE-PRESSURE HYDRAULIC PRESS. GERMANN W. WEITMAN, Chicago, Ill., assignor to Economy Fuse & Manufacturing Co., Chicago, Ill., a Corporation of New York. Filed May 4, 1922. Serial No. 558,485. 2 Claims. (Cl. 138-17.)

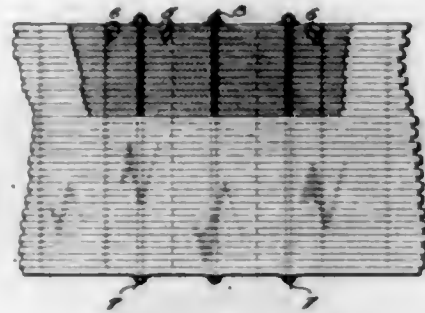


1. A hydraulic press having a head portion provided with a fluid receiving chamber, a plunger slidably mounted in said head member, a plurality of extension bars of varying cross sectional dimensions interchangeably applicable to said plunger for reducing the effective area thereof, and a plurality of packing glands interchangeably applicable to said enclosing means for packing said extension bars.

1,511,696. BOWLING ALLEY. CHARLES A. WENDT, Milwaukee, Wis. Filed Mar. 23, 1923. Serial No. 627,038. 4 Claims. (Cl. 46-6.)

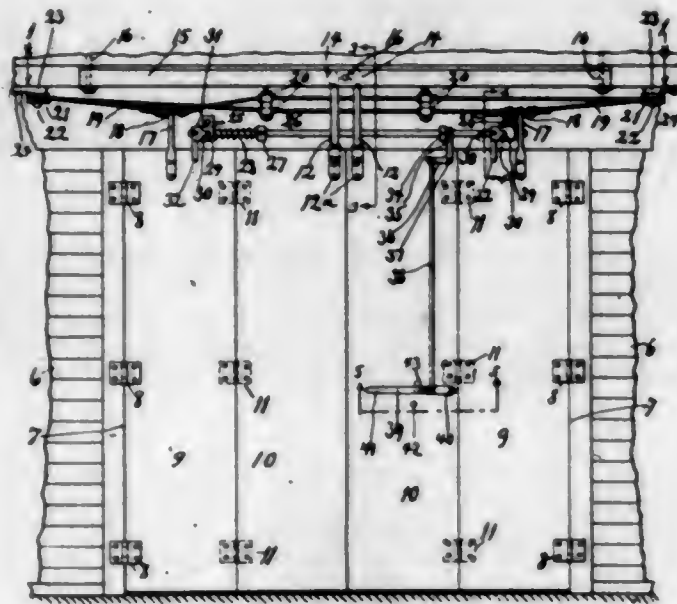
2. In a bowling alley comprising a plurality of sections, a made-up section comprising a plurality of strips,

certain of which extend beyond adjacent strips, and means for securing the strips together at intervals



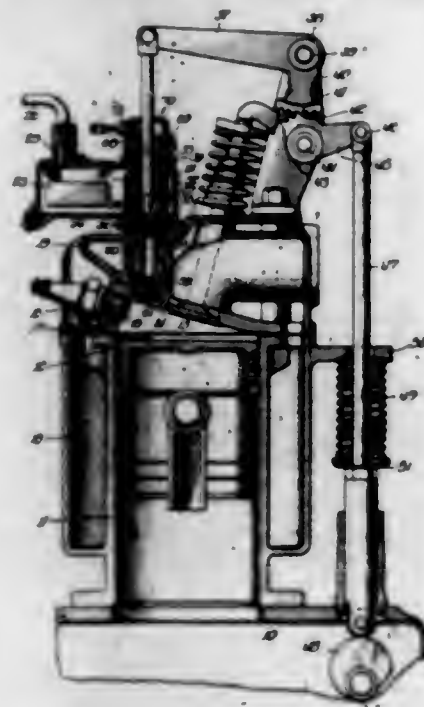
throughout their length, said securing means terminating a sufficient distance from the ends of the section for spreading the extended strips.

1,511,697. GARAGE-DOOR-OPERATING DEVICE. NICKOLAY WESTBY, St. Paul, Minn. Filed Mar. 19, 1923. Serial No. 625,994. 3 Claims. (Cl. 268-1.)



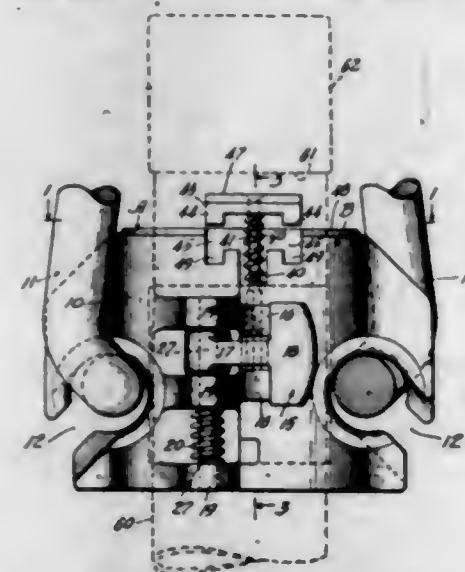
1. In a structure having a door opening, two doors hinged one to each vertical edge of the opening and adapted when in closed position to cover the opening, each of said doors composed of two sections hinged together at a vertical line to fold inward into the structure, a horizontal guiding rail secured to the structure, and means secured to the adjacent top corners of the two doors and guidingly engaged by the rail, an endless cable stretched and guided by pulleys above the door opening and a vertical arm on each door attached to the cable to make the two doors open and close in unison, and means on one of the doors to manually operate it, and a horizontal shaft journaled in bearings on the wall above the door and having both sliding and rotary movements in the bearing, two radial fingers fixed on the shaft for engaging the top of each door one finger tending to open the door and the other to hold it closed, interengaging means on the shaft and its bearings to lock the doors against being opened from the outside, a partly compressed torsion spring on the shaft and having one end secured in one of the bearings and the other to the shaft, the tendency of said spring being to open the doors by its torsion and locking them by pushing the shaft endwise into locked position, a collar fixed on the shaft, a bell-crank lever mounted on one of the doors and engaging the collar to push the shaft against the resistance of the spring and thus unlock the shaft, a hand lever pivoted on the door and operative connection between said lever and the bell-crank lever and means controlling the movement of the hand lever.

1,511,698. METERING AND FEEDING DEVICE. EZEKIEL F. WHITE, Chicago, Ill. Filed Aug. 7, 1922. Serial No. 580,101. 10 Claims. (Cl. 123-33.)



1. In a fuel metering and feeding device, the combination of hydrocarbon and air supply, and a plunger having a single groove in which variable quantities of hydrocarbon are accurately measured, and means whereby said measured charge of hydrocarbon in each case is mixed with air and by said plunger compressed before being discharged from said device.

1,511,699. LOCK FOR WELL-CASING ELEVATORS. CHARLES E. WILCOX, Anaheim, Calif., assignor to E. C. Wilson, Los Angeles, Calif. Filed Jan. 29, 1921. Serial No. 440,932. 11 Claims. (Cl. 204-90.)

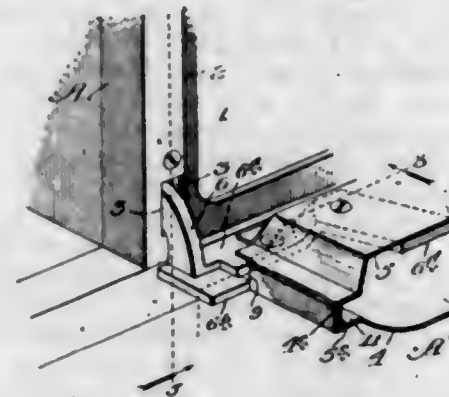


1. In a device of the character described embodying two relatively movable members adapted to embrace a casing, the combination of a latch to releasably connect the members in position embracing the casing, and a separate means to independently connect the members in said position and lock the latch.

1,511,700. OVEN DOOR. GEORGE D. WILKINSON and AUGUSTUS F. HARTER, Oak Park, Ill., assignors to Cribben & Sexton Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1924. Serial No. 704,672. 5 Claims. (Cl. 126-194.)

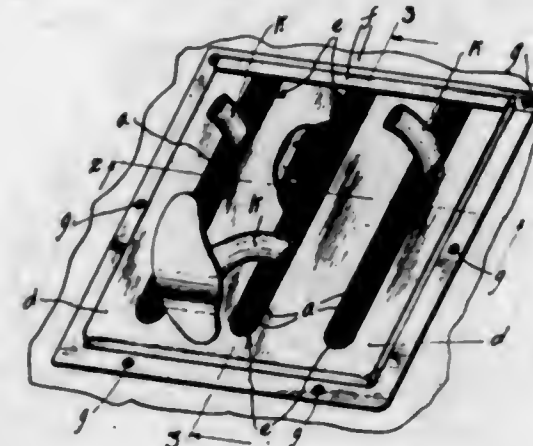
1. The combination with an oven door frame provided near the lower corners with slots, of a door comprising

a sheet metal panel having an intumed marginal flange which is notched at its lower corners, and a pair of hinge-members, said hinge-members having curved por-



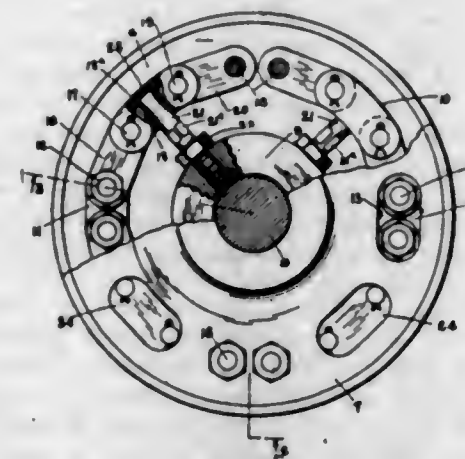
tions working through the corresponding slots in said frame and having laterally extending shank-portions extending through said notches and secured to said panel.

1,511,701. ANTIDRAFT. EDWIN R. ANGELL, Oregon City, Oreg. Filed Feb. 27, 1922. Serial No. 539,531. 7 Claims. (Cl. 74-81.)



4. In combination with the foot pedal of an automobile, and the foot board having slots through which the said pedals extend, a frame extending around the slots in the foot board, a series of flexible bristles secured to the frame and covering the said slots.

1,511,702. FLEXIBLE COUPLING. HANS BIRKHOLZ, Sr., Milwaukee, Wis. Filed Aug. 20, 1921. Serial No. 493,901. 7 Claims. (Cl. 64-96.)



1. A coupling of the class described comprising two spaced members adapted to be fixed to two substantially aligned shafts, respectively, a flexible ring interposed between and directly connected to each of said mem-

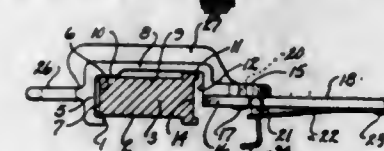
bers, a floating element interposed between said members, and a radially extending stud carried by said floating member and adjustable longitudinally of its own axis for varying the tension of said ring.

1,511,703. SINGLE-THREAD BONE LACE AND PROCESS OF MAKING THE SAME. EMIL BÖSEBECK, Barmen, Germany. Filed June 15, 1922. Serial No. 568,623. 3 Claims. (Cl. 96-24.)



1. A machine-made imitation Valenciennes lace comprising a series of braids consisting each of three, and only three threads forming a plait, or queue, said braids being arranged in zig-zag lines and connected at their meeting points by a mutual interchange of threads between each two adjacent braids.

1,511,704. WINDOW-CLEANER'S SAFETY DEVICE. AINSWORTH BUCK, Summit, N. J. Filed June 11, 1921. Serial No. 476,829. 12 Claims. (Cl. 24-248.)

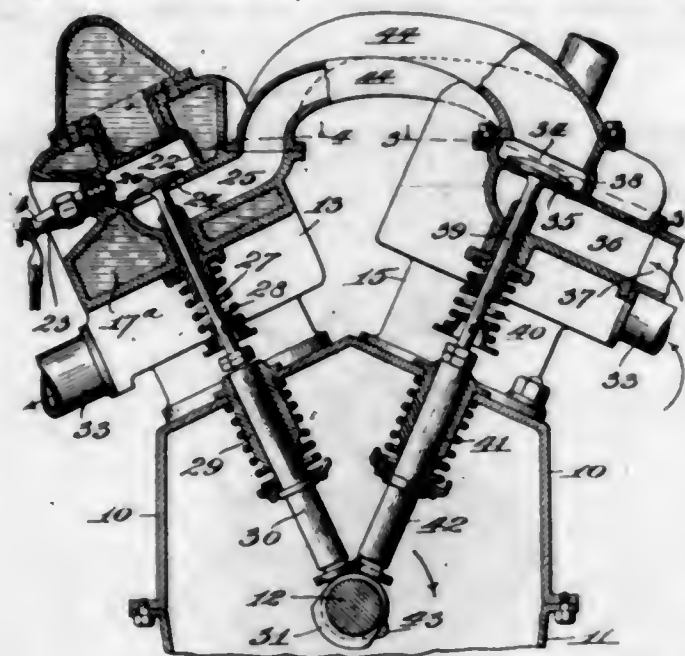


1. A window cleaner's safety device comprising a clamp for attachment to and engagement with a four sided structural member on the four sides thereof, a securing device pivoted to the clamp for frictionally engaging one side of the said structural member and movable to operative or inoperative position with a single movement, means for automatically locking the said device in securing position when it arrives at such position, and means affixed to the clamp for attachment thereto of a window cleaner's belt.

1,511,705. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Jan. 4, 1923. Serial No. 610,698. 2 Claims. (Cl. 123-72.)

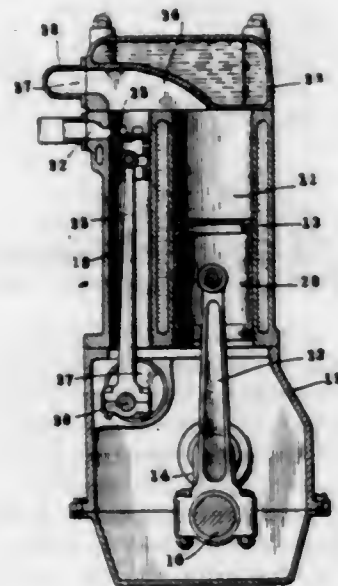
1. In a two stroke cycle internal combustion engine, a pair of combustion cylinders, a pair of gaseous fuel pumping cylinders, the chambers within all four cylinders being provided adjacent to their upper or inner ends with lateral extensions, a gaseous fuel supply duct leading to the lateral extension of the chamber within each pumping cylinder, valves for controlling the passage of gaseous fuel through the lateral extensions of the chambers within the pumping cylinders, precompressed gaseous fuel transfer ducts leading from the lateral extensions of the chambers within the pumping cylinders to the lateral extensions of the chambers within the combustion cylinders, valves for controlling passage of precompressed gaseous fuel through the lateral ex-

tensions of the chambers within the combustion cylinders, the lower portions of the combustion cylinders be-



ing provided with exhaust ports that are uncovered and open when the pistons within said combustion chambers are at the lower ends of their travel.

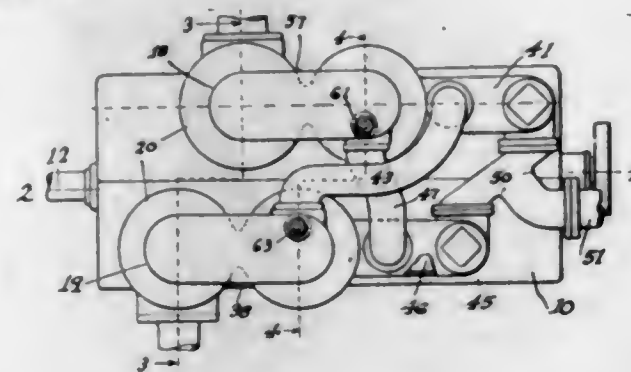
1,511,706. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Feb. 13, 1924. Serial No. 692,500. 3 Claims. (Cl. 123-53.)



1. The combination, in a two stroke cycle internal combustion engine, a unit of four cylinders, two of which function as combustion cylinders, and the other two functioning as gaseous fuel pumping cylinders, pistons arranged for operation within said cylinders, the two combustion cylinders having a common clearance chamber, and the two pumping cylinders having a common clearance chamber, two crank shafts, the axis of one of the combustion cylinders and the axis of one of the pumping cylinders being centered on a line parallel with the axis of one of the crank shafts and arranged approximately symmetrical with respect to the center of the crank shaft with which it is associated, the axis of the other of the two combustion cylinders and the axis of the other of the two pumping cylinders being centered on a line parallel with the axis of the other crank shaft, the axis of the two crank shafts being parallel, one of said crank shafts being adapted to the means of power transmission for the output of power, the other crank shaft being adapted to maintain reciprocatory actuation of the pistons that are connected to it and which

operate within one of the combustion cylinders and one of the pumping cylinders, and to actuate said pistons in true successive relation to the movements of the pistons in the other two cylinders, which last mentioned pistons are connected to the first mentioned or power transmission crank shaft, the two crank shafts operating simultaneously and at the same speed, there being ports formed in the wall of the combustion cylinder having the piston that is connected to the transmission crank shaft for the function of exhausting the products of combustion from said cylinder, there being ports formed in the wall of the second combustion cylinder, the piston of which is connected to the second or timing crank shaft for the function of admission of precompressed gaseous fuel mixture, there being ports formed in the wall of one of the pumping cylinders, the piston of which is connected to the second or timing crank shaft for the function of gaseous mixture admission means to the two pumping cylinders and common clearance chamber, a transfer passage leading from the common clearance chamber of the two pumping cylinders to the admission ports of combustion cylinders and ignition means located in the common clearance chamber for the combustion cylinders.

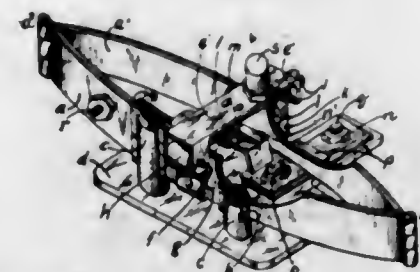
1,511,707. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Apr. 17, 1924. Serial No. 707,103. 9 Claims. (Cl. 123-53.)



1. In a two stroke cycle internal combustion engine, four cylinders arranged in a V-structure, with two cylinders in each wing of said structure, a piston within each of the four cylinders, a crank shaft having four cranks, a separate connection between each piston and one of said four cranks, two of the said cranks arranged in one plane, the other two cranks arranged in a second plane, the two cylinders of each V-wing being arranged on centers parallel with the axis of the crank shaft but staggered with relation to the two cylinders in the opposite V-wing, one of the two cylinders comprising each V-wing having a straight diameter, the other cylinder of the pair in each wing having a two diameter bore, the piston within said two diameter cylinder having two diameters, an annular chamber created between the differential diameters of said two diameter cylinders and pistons, a pocket extending outwardly from each annular chamber, a port in the under side of each end pocket, a duct leading to said port for the supply of gaseous fuel, an inlet valve seating downward in the said port, cams located on the crank shaft rearward of the cranks thereof, valve actuating mechanism between the cams and the said inlet valves, an outlet port in the wall of the clearance of the annular chamber of each of the two diameter cylinders, ports formed in the wall of each straight diameter cylinder of each V-unit for the expulsion of the spent products of combustion, ports formed in the wall of the smaller diameter of the two diameter cylinder of each V-unit, a gaseous fuel precompression transfer duct leading from the outlet port of each annular chamber to the ports in the smaller diameter of the two diameter cylinder in the opposite V-cylinder unit, a removable cylinder head common to the two cylinders comprising each V-wing, a compres-

sion and combustion clearance chamber formed in the head and joining the said two cylinders in each V-unit into one common combustion chamber, ignition means located in the said removable cylinder head directly over the gaseous fuel ports formed in the wall of the cylinder of each pair of cylinders in each V-unit and having the smaller diameter and being a part of the two diameter cylinder, the first and the third cranks of the crank shaft from the end of the engine which the straight diameter cylinders of each V cylinder wing occupies, being aligned on one plane, the second and fourth cranks of the crank shaft from the end of the engine, which the straight diameter cylinders of each V-cylinder wing occupies, being aligned on a second plane, the two planes occupied by said cranks being in relation to each other, spaced apart circumferentially in degrees, less than diametrically opposite, whatever the angular relation is in degrees radially between the two rows of cylinders comprising the two V-wings of cylinder structure, means for directing a cooling air draft over the engine from the end in which the straight diameter cylinders are located and cooling fins on the said four cylinders and cylinder heads.

1,511,708. THERMOSTATIC ELECTRIC-CIRCUIT CONTROLLER. ALLEN E. CHISHOLM, Portland, Oreg. Filed Apr. 13, 1920. Serial No. 373,557. 5 Claims. (Cl. 200-138.)



1. In an electric circuit provided with a make-and-break element, the combination with the latter of a thermostatic element comprising two members arranged like a full elliptic spring, one of said members being fixed in place, a movable member carried by said fixed member of said thermostatic element, one contact in said make and break carried by said movable member, the other contact of said make and break being relatively fixed in place, spring actuated means for throwing said movable member into its position for opening the circuit, and devices for holding said movable member in its position for closing said circuit, said thermostatic element being adapted at a given temperature to release said movable member from said devices.

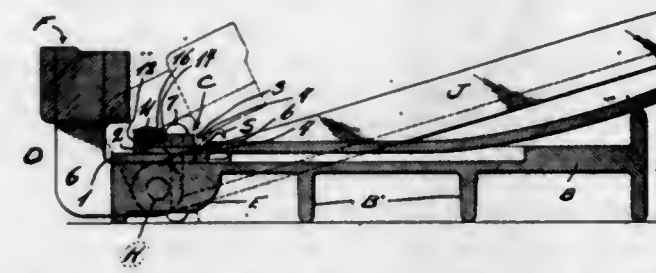
1,511,709. TIRE GAUGE. THOMAS C. COOPER, Chicago, Ill. Filed Nov. 28, 1921. Serial No. 518,129. 5 Claims. (Cl. 73-111.)



1. In a pressure gauge, a plurality of interfitting cylinders open at their lower ends and closed at their upper ends, the inner cylinder being longitudinally

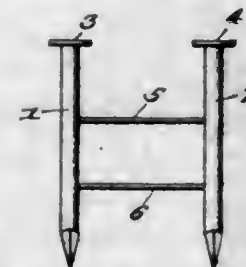
movable within the outer cylinder and the space between the closed ends of said cylinders being substantially airtight, means for conducting the fluid under pressure into said inner cylinder to raise the latter, thereby ensmalling said space until the pressure therein and that of said fluid are counterbalanced, and means associated with said inner cylinder for indicating such pressure.

1,511,710. BELT-FASTENING DEVICE. WILLIAM CRAMER, St. Louis, Mo., assignor to Truck Tractor and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 11, 1922. Serial No. 587,484. 5 Claims. (Cl. 1-50.)



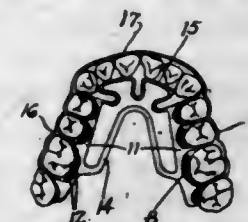
4. A belt fastening device comprising an anvil, staple holding mechanism, and movable staple clenching means, said staple holding mechanism comprising a member provided with a plurality of slots adapted to receive a plurality of staples, reciprocatory means for holding said staples in place within said slots and means for operating said reciprocatory means comprising a pivoted member mounted on said reciprocatory means, said pivoted member being provided with a cam face adapted to contact with a stationary portion of said staple holding mechanism.

1,511,711. DRIVEN FASTENING MEANS. ROBERT KING ATWELL, Silver Bay, N. Y. Filed Dec. 30, 1922. Serial No. 609,858. 5 Claims. (Cl. 85-10.)



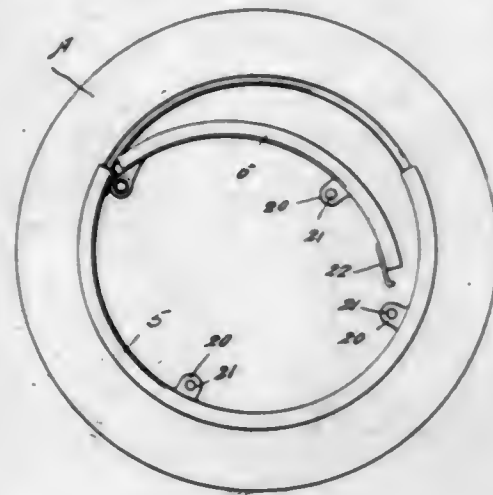
1. A driven fastening means comprising multiple prongs and a frangible bar connecting the prongs at points intermediate the ends of each prong, said bar being adapted to break away when the prongs are driven into the material being fastened.

1,511,712. APPLIANCE FOR REGULATING TEETH. DEXTER S. BACON, Minneapolis, Minn. Filed Mar. 17, 1923. Serial No. 625,860. 3 Claims. (Cl. 32-19.)



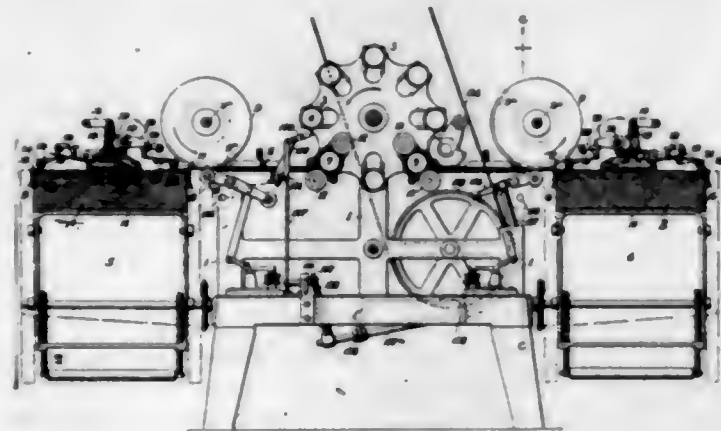
1. An appliance for regulating teeth comprising a pair of oppositely arranged plates shaped to conform substantially to the inner surfaces of the teeth, a plurality of individual gripping portions on its plate adapted to engage the teeth, a spring member connecting the forward edges of the two plates and shaped to engage the inner surfaces of the front teeth to apply pressure thereto, and an arched spring member connecting the rear portions of the plates and extending freely forward with its major portions generally parallel to the line of the teeth.

1,511,713. DEMOUNTABLE RIM. JAMES J. BARONI and FRANK ERBETTA, Black Eagle, Mont. Filed Mar. 25, 1924. Serial No. 701,744. 3 Claims. (Cl. 301-32.)



1. In a rim of the character described, a main section and secondary rim section having wheel attachment lugs, and a combined hinged connection and wheel attaching lug between one end of the main rim section and one end of the secondary rim sections.

1,511,714. MACHINE FOR MAKING TUBULAR ARTICLES. GEORGE W. BEADLE, New York, N. Y., assignor to International Paper Company, a Corporation of New York. Filed Aug. 30, 1921. Serial No. 496,869. 32 Claims. (Cl. 271-19.)

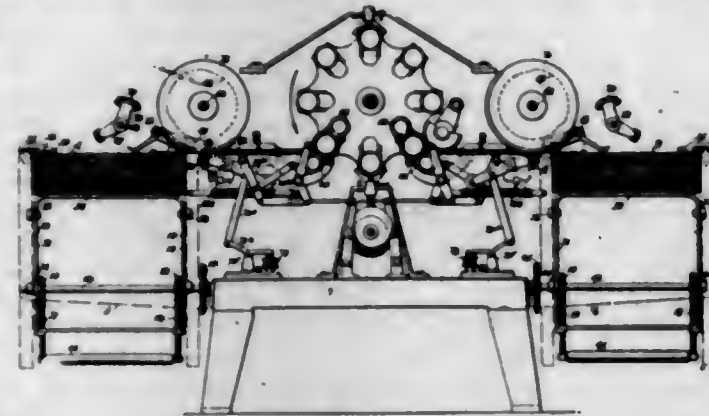


1. In a mechanism of the type described, the combination of a holder to contain a pile of blanks, holding means acting on the top blank and movable to release the same, means for separating the blank at its ends from the underlying blank, and means for advancing the separated blank when released by the holding means.

1,511,715. MACHINE FOR MAKING TUBULAR ARTICLES. GEORGE W. BEADLE, New York, N. Y., assignor to International Paper Company, a Corporation of New York. Original application filed May 5, 1920, Serial No. 378,993. Divided and this application filed Sept. 24, 1921. Serial No. 502,980. 14 Claims. (Cl. 93-81.)

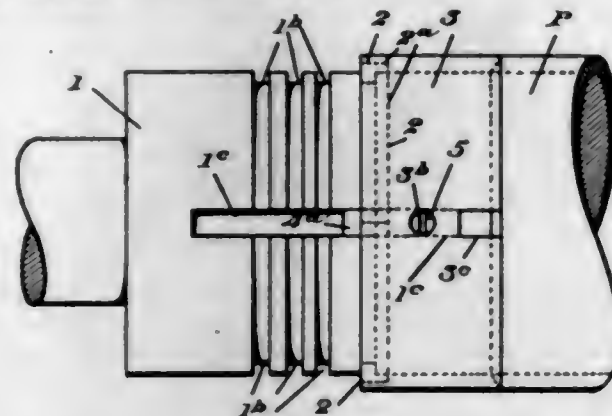
1. In a machine of the type described, the combination of mechanism for feeding blanks, said mechanism including a feeding drum having a segmental adhesive-applying surface of a length to apply adhesive to a portion only of the blank, means for supplying adhesive to said surface, the said blank being adapted to be wound about a mandrel with the adhesive free portion next to the surface of the mandrel, and a second blank

feeding mechanism for feeding a second blank, said mechanism including a feeding drum provided with a segmental adhesive-applying surface of a length to



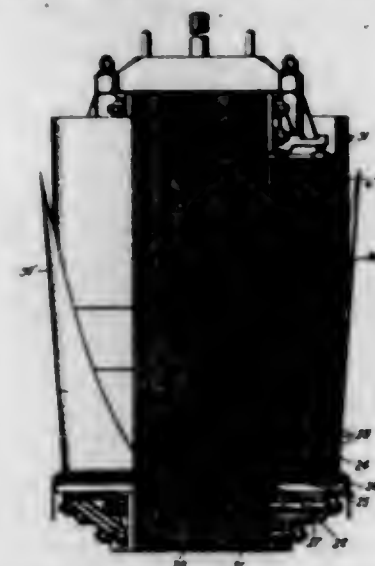
apply adhesive to the entire surface of the second blank, the said second blank being adapted to be wound around the first.

1,511,716. MEANS FOR ADJUSTING STEREOTYPE PLATES ON PLATE CYLINDERS. HENRY F. BECHMAN, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a Corporation of Michigan. Filed Aug. 21, 1920. Serial No. 405,046. 34 Claims. (Cl. 101-378.)



1. In combination, a plate cylinder, a plate stop device attached to said cylinder and reversible to suit plates cast from wet or dry matrices.

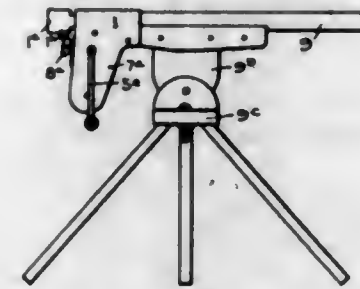
1,511,717. ELECTRICAL APPARATUS. LOUIS F. BLUME, Pittsfield, Mass., and JOHN S. LENNOX, Norwich, Conn., assignors to General Electric Company, a Corporation of New York. Filed Oct. 18, 1920. Serial No. 417,704. 3 Claims. (Cl. 175-30.)



1. In an electrical apparatus, the combination with a winding having one end connected to ground, of a condenser element disposed adjacent said winding com-

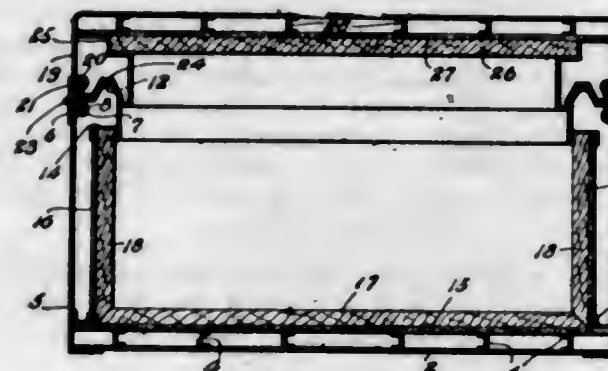
prising a metallic plate gradually and progressively tapered away from the winding as the ground end is approached.

1,511,718. DETONATING TOY. CLARENCE W. BURGER, Washington, D. C. Filed May 25, 1921. Serial No. 472,426. 16 Claims. (Cl. 46-46.)



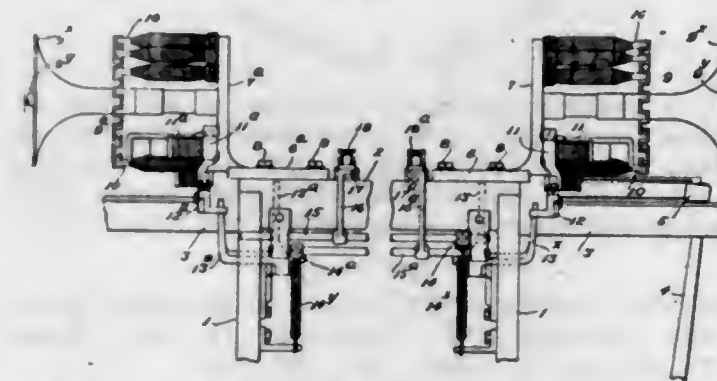
5. In a toy of the character specified, a casing having a slot, a gasket at one side of the slot, a longitudinally movable cylinder at the opposite side of the slot, means independent of the piston for moving the cylinder toward the gasket to clamp a piece of paper therebetween, a piston in the cylinder, a spring for projecting the piston, means for compressing the spring, and means for releasing the spring to operate the piston after the cylinder has clamped the paper against the gasket.

1,511,719. CHEST. LAURENCE E. COLLINS, Canton, Ohio. Filed Aug. 24, 1921. Serial No. 494,911. 2 Claims. (Cl. 220-9.)



1. A chest comprising an outer shell and a lining spaced therefrom and within said shell, a spring groove carried by said shell, a moulding strip, a bead formed on said moulding strip and designed to fit within said spring groove, the said moulding securing the said lining in spaced relation to said shell.

1,511,720. WEFT-REFRESHING LOOM AND SHUTTLE THEREFOR. EDWARD A. CUNIFF, New Bedford, Mass., assignor to Erving Y. Woolley, trustee, Newton Center, Mass. Filed Aug. 31, 1921. Serial No. 497,212. 14 Claims. (Cl. 139-241.)



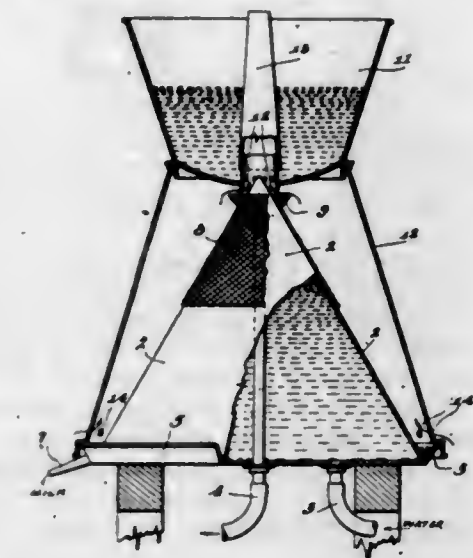
1. A loom comprising, essentially, a self-threading shuttle, means at the opposite sides of the loom for supplying a wound bobbin or the like carrier to the said shuttle at either side of the loom, and means for

causing the yarn of the bobbin or carrier supplied at either side of the loom to the shuttle to enter the self-threading delivery means of the latter automatically in each instance.

1,511,721. TREATMENT OF ACID SLUDGE. WILLIAM N. DAVIS, Oakland, and GEORGE A. DAVIDSON, Berkeley, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed June 19, 1922. Serial No. 569,551. 4 Claims. (Cl. 23-1.)

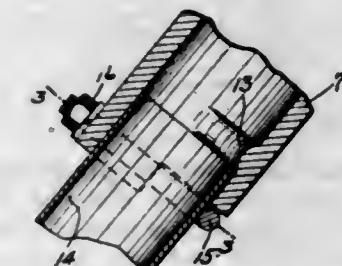
1. A process of hydrolizing acid sludge obtained from the treatment of petroleum which consists in mixing said acid sludge with water, injecting just sufficient steam to raise the mass to the high hydrolizing temperature, and completing the hydrolysis and separation of sludge into acid and tar under a pressure of over 50 pounds gage, by maintaining the mass in an insulated retort wherein the heat of reaction, and the application of the requisite pressure maintain the necessary hydrolizing temperature.

1,511,722. MILK COOLER. CLINT E. DICKERMAN, North Vancouver, British Columbia, Canada. Filed Mar. 24, 1922. Serial No. 546,461. 4 Claims. (Cl. 257-180.)



3. A milk cooler, comprising a conical vessel having a channel surrounding its base and a spout delivering from the channel, means for circulating a cooling medium through the vessel, a casing resting on the upper edge of the channel and extending to a level adjacent the apex of the cone, means for admitting air adjacent the lower edge of the casing, a milk container resting on the upper edge of the casing, said container having a central duct extending upward to adjacent the upper edge of the container, means for delivering milk in finely divided streams through the wall of the duct on the upper part of the cone whereby the air is circulated up to the surface of the cone and through the milk delivery thereon.

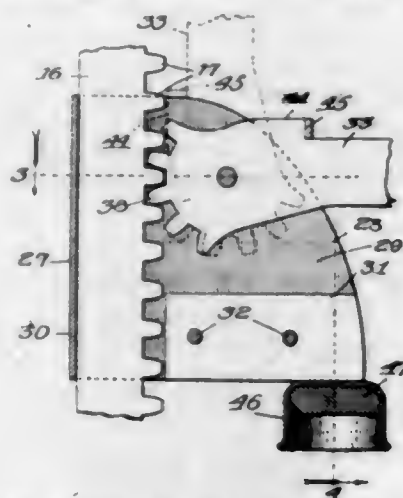
1,511,723. MEANS FOR CONNECTING TUBULAR MEMBERS. EMIL R. DRAVER, Richmond, Ind. Filed Apr. 23, 1923. Serial No. 633,879. 6 Claims. (Cl. 285-161.)



1. The combination with telescoped tubular members, of means applied thereto for pressing approximately one-half of the external surface of said inner tubular

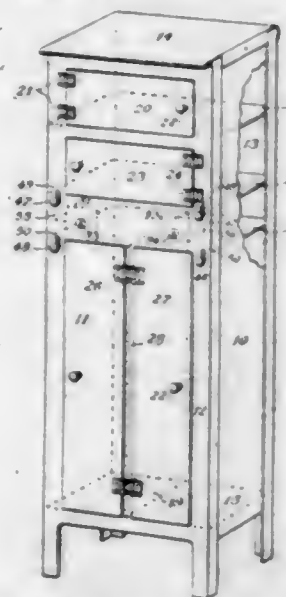
member against approximately one-half of the internal surface of said external tubular member, and said external tubular member having a beveled internal stop surface engageable with the inner end of the inner tubular member and forming a close joint between those halves of the two members that are opposite to said halves that are directly clamped together.

1,511,724. BOTTLE-CLOSURE-APPLYING DEVICE. SIGMUND L. GOLDMAN, Chicago, Ill. Filed Jan. 3, 1922. Serial No. 526,738. 2 Claims. (Cl. 226-84.)



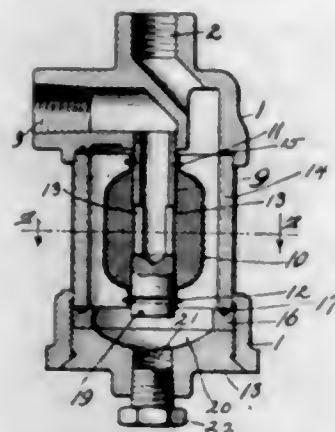
1. In a bottle-closure-applying device, the combination of an upright provided with a rack portion, a slide on said upright and provided with portions which oppose the side walls of said upright and form guiding surfaces for said slide, and a handle-equipped gear segment pivoted on said slide and meshing with said rack, the teeth of said segment being so disposed that when the latter is rotated to a position in which the handle extends upwardly the teeth of said segment will be out of the cage closed and formed with a screwdriver slot; segment having a portion so positioned as to engage with said slide and limit the rotation of said gear segment in a direction for disengaging it from said rack portion after said gear segment disengages from said rack-portion.

1,511,725. LOCKER. MAXWELL S. HART, New Britain, Conn. Filed Jan. 10, 1924. Serial No. 655,299. 10 Claims. (Cl. 45-37.)



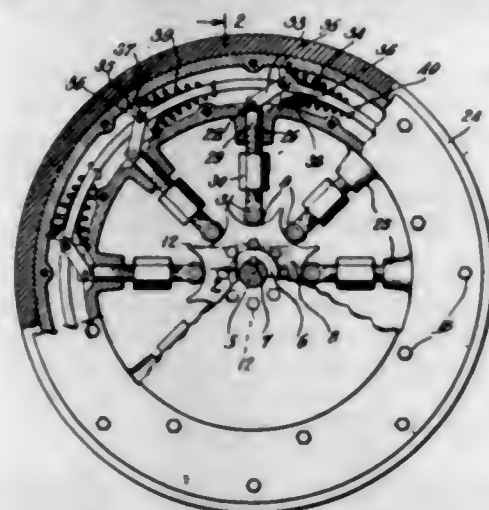
1. In a duplex locker unit, a pair of narrow coat compartments arranged vertically and side by side, a pair of wider hat compartments arranged horizontally above said coat compartments and one above the other, individual doors for closing each of the compartments, and common means coacting with one of said coat compartment doors and one of said hat compartment doors for locking the same.

1,511,726. FILTER. WILLIAM A. HEINZE, Chicago, Ill., assignor of one-half to Paul R. McKain, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,265. 5 Claims. (Cl. 210-165.)



1. A filter including a cage formed at one end with inlet and outlet passages, at its mid portion with an observing opening formed through the wall thereof, and at its other end with a plug receiving opening; a pipe in communication with the outlet passage and in threaded connection with the portion of the cage in which this passage is provided and projecting from this cage portion toward the plug receiving portion of the cage, said pipe having its end that is nearer the plug receiving opening, of the cage closed and formed with a screwdriver slot; a filtering screen surrounding said pipe and bound at its ends thereto, the pipe having an opening in its side between the bound ends of the screen; a transparent sleeve within the cage and surrounding the screen; gaskets interposed between the ends of the sleeve and the cage to establish sealed tight assemblage between the cage and sleeve; a closure plug screwed into the plug receiving opening of the cage, this plug being formed with a liquid receiving cavity in its inner face and with an outlet passage communicating with this cavity; and a closure in the outlet passage of the plug.

1,511,727. RESILIENT SUSPENSION APPARATUS. ALEXANDER HORWITZ, New York, N. Y. Filed Sept. 28, 1923. Serial No. 665,288. 10 Claims. (Cl. 152-28.)

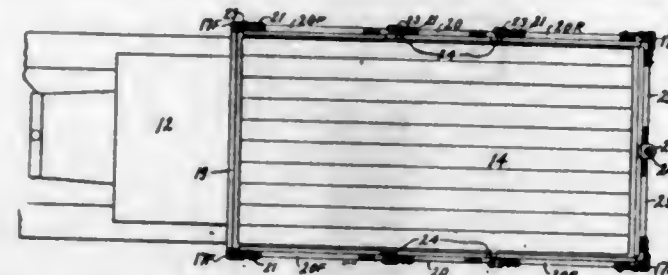


1. A resilient suspension apparatus of the class described comprising a plurality of suitably supported resilient elements, means secured and movable relatively to said resilient elements for placing said elements under tension, and means for actuating said first named means.

1,511,728. TRUCK BODY. ALMON F. HOWLAND, Watford Township, Minn. Filed Mar. 17, 1924. Serial No. 699,724. 2 Claims. (Cl. 296-14.)

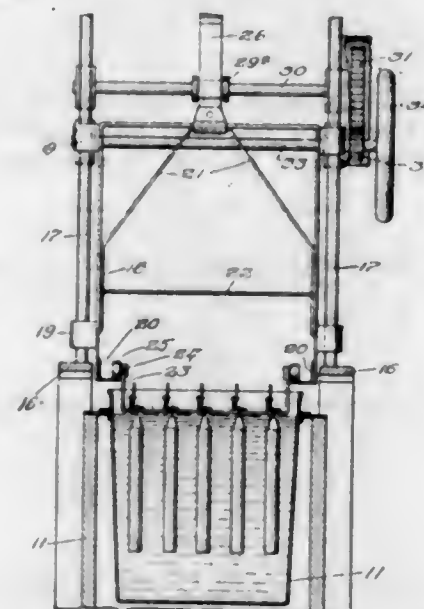
1. A vehicle body comprising a quadrangular platform, cross beams secured to the under side of the platform and mounted on longitudinally arranged body supporting members, a removable vertically arranged post at each corner of said platform, a plurality of horizontally

spaced, removably secured stakes in opposite sides of said platform and a single removable stake secured centrally at one end of said platform, sectional walls on three sides of said platform each section comprising a



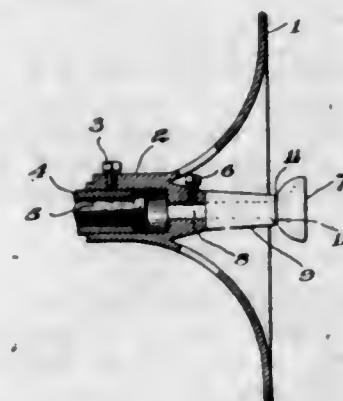
gate hingedly secured one each to the corner posts and to each side post, and a front wall on said body formed integral with the front corner posts and means for interlocking the adjacent gate sections to form rigid upright walls contiguous to three sides of the platform.

1,511,729. CANDLE-DIPPING MACHINE. ROBERT E. HUMPHREYS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed June 14, 1923. Serial No. 645,308. 3 Claims. (Cl. 91-46.)



1. In a candle dipping device, a candle support comprising superimposed plates having corresponding slots opening from the edge inward and means for retaining said plates in juxtaposition while permitting longitudinal movement of one with respect to the other.

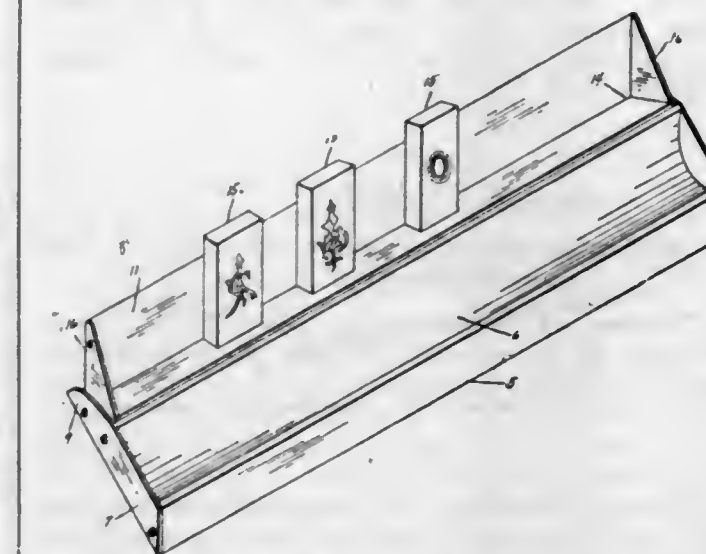
1,511,730. WEFT-END HOLDER FOR WEFT-REPLENISHING LOOMS. SIMEON S. JACKSON, Hyde Park, Boston, Mass., assignor to The Stafford Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 8, 1923. Serial No. 661,548. 3 Claims. (Cl. 139-248.)



1. A weft-end holder for weft-replenishing looms comprising a knob, having a shank which is fixedly connected therewith, and a sleeve mounted upon said shank, remov-

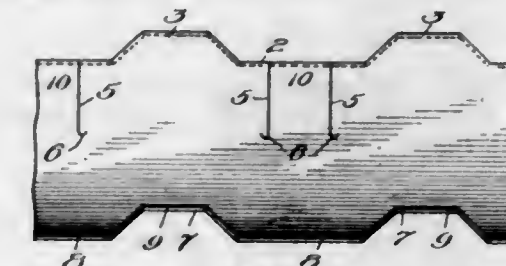
able therefrom by movement away from the knob, having a conical exterior, with the small end of such sleeve adjacent the knob.

1,511,731. GAME RACK. CLARENCE H. KIMMEL, Meriden, Conn. Filed Oct. 19, 1923. Serial No. 669,496. 2 Claims. (Cl. 46-55.)



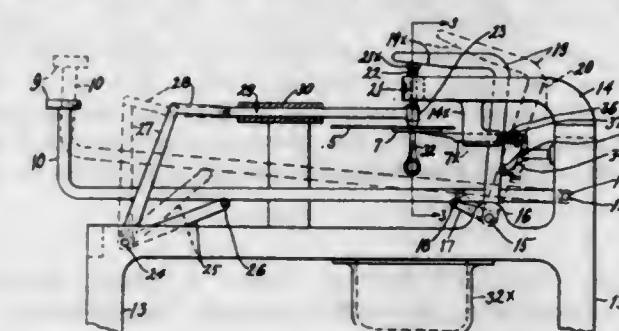
1. A game rack, comprising a block provided with ends projecting rearwardly from said block, a tile-support pivotally connected with the outer ends of the said arms, said tile-support provided with a flat face forming a vertical wall when the tile-support is turned upward.

1,511,732. INTERLOCKED SHINGLE. FRANK J. KROMENAKER and GRANT M. KROMENAKER, Chicago, Ill. Filed Feb. 24, 1923. Serial No. 620,950. 3 Claims. (Cl. 108-7.)



1. A roofing shingle comprising an elongated member, spaced projections extending outwardly on opposite sides of the elongated member, the projections at each side of the elongated member being in staggered relation to each other, thereby forming recesses at opposite sides of the member in staggered relation to each other, and slits extending inwardly from the ends of the recesses on one side of the member.

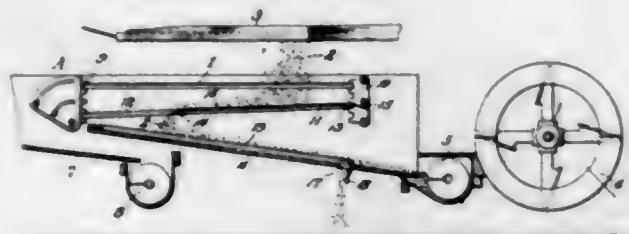
1,511,733. TYPE-MAKING MACHINE. JAMES F. LACKEY, St. Paul, Minn. Filed Apr. 12, 1922. Serial No. 551,883. 1 Claim. (Cl. 199-1.)



The method of making type for printing purposes which consists of casting raised letters of type metal on the surface of a sheet of similar metal, said letters each formed of molten type metal injected from the under

side of the sheet through a punched slot in the latter and into a mold formed by a matrix resting on the top surface of the sheet, said injected, molten, letter-forming metal adapted to become permanently associated with the said sheet when the metal cools.

1,511,734. MEANS FOR SEPARATING WEED SEED FROM GRAIN. HANS LARSEN, Saskatoon, Saskatchewan, Canada. Filed Aug. 6, 1921. Serial No. 490,432. 3 Claims. (Cl. 130—15.)



1. In a grain separator, the combination with a shoe, spaced racks supported therein, a screen supported by said racks, a frame formed of side bars and cross bars engaging at its ends said racks, an imperforate plate extending from that end of the frame nearest to the winnowing fan of the separator partway along the side bars and spaced vertically from said screen, said plate being disposed below that portion of said screen from the end of the screen nearest to the winnowing fan and extending back over half the length thereof, whereby all the weed seed and grain falling from said screen is caught by said imperforate plate, and an inclined deflecting plate extending from said frame beyond its connection with one of the racks toward the fan.

1,511,735. BAND CUTTER. GUSTAV M. LE RUD, Argusville, N. Dak. Filed July 23, 1923. Serial No. 653,094. 1 Claim. (Cl. 130—1.)



In a band cutter, a shaft journaled for rotation and provided at its intermediate portion with a series of cranks which are oppositely disposed with relation to each other transversely of the axis of the shaft, said cranks having converging guide portions which are disposed transversely across the axis of the shaft, riddles mounted upon the outer portions of the cranks of the shaft and guided for longitudinal movement, carrier cleats applied to the converging side portions of the cranks of the shaft and cutting knives carried by the cleats and disposed between the riddles and transversely of the axis of the shaft, the knives being positioned between the axis of the shaft and the outer portions of the cranks.

1,511,736. SAFETY RAZOR. PAUL S. LIETZ, Chicago, Ill. Filed Sept. 26, 1923. Serial No. 664,903. 6 Claims. (Cl. 30—12.)

1. A safety razor comprising a support having a handle, a blade on said support, a guard adjustably mounted on said support adjacent the cutting edge of said blade and being movable toward and away from said cutting edge,

a rotatable element embracing said handle and being threaded thereon so as to be adjustable axially with respect thereto, and apart on said guard coacting with said element whereby an axial adjustment of said element moves said guard relative to said blade.



1,511,737. HAIRDRESSER'S CAPE. GEORGE S. LORD, New York, N. Y. Filed Feb. 20, 1922. Serial No. 537,923. 1 Claim. (Cl. 2—50.)



A protective cape comprising a sheet provided with a neck opening substantially at its central portion, the sheet being also provided with incisions extending laterally and forwardly at an angle in opposite directions from the forward portion of the said neck opening, the material of the sheet at the rear sides of the incisions overlapping the material at the forward sides of the incisions, means separably connecting together the overlapped portions of the sheet, a plurality of fastening elements upon the sheet at each side of the front of the opening and extending in a series along the opposite sides of the opening at the front, and a fastening element upon each overlapping portion of the sheet engageable selectively with the first-mentioned fastening elements.

1,511,738. EXTENSION HANDLE FOR WRENCHES AND OTHER TOOLS. FRANK W. LOWNSBERRY, Scranton, Pa., assignor of one-third to Stephen S. Spruka and one-third to Wesley M. Gardner, both of Scranton, Pa. Filed Aug. 21, 1919. Serial No. 318,924. Renewed Mar. 12, 1924. 4 Claims. (Cl. 81—177.)

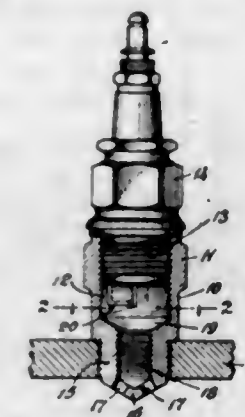
3. An extension handle for wrenches and analogous tools comprising a flat shank, and a pair of members

formed integrally with said shank and arranged in spaced relation thereon adjacent to one end thereof; said members



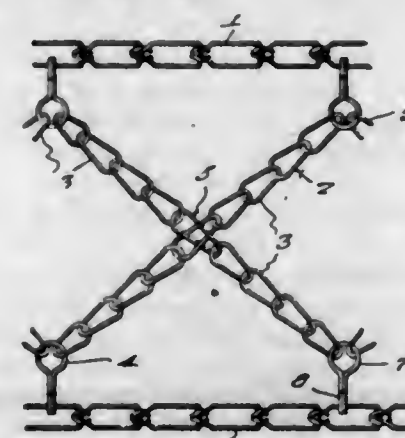
extending inwardly from the opposite longitudinal edges of said shank and adapted to receive a wrench or other tool, substantially as specified.

1,511,739. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. IRVING McDOWELL, Brooklyn, N. Y. Filed May 20, 1923. Serial No. 642,160. 4 Claims. (Cl. 123—169.)



1. An attachment for internal combustion engines comprising a member adapted for connection with an engine cylinder so as to communicate at its inner end with the combustion chamber thereof and to receive a spark plug at its outer end in a manner to position the electrodes thereof at a distance from said inner end, said member, at its inner end, having apertures extending transversely to its major axis, and having its interior surface roughened in proximity to said apertures and between its inner end and the point at which the spark plug electrodes are intended to be located.

1,511,740. TIRE CHAIN. LUTHER J. MCHENRY, Bloomsburg, Pa. Filed Feb. 4, 1924. Serial No. 690,639. 2 Claims. (Cl. 152—14.)



2. In a tire chain, connecting means for the intersecting portions of a pair of diagonally disposed tread chains, said connecting means comprising a pair of elongated

links intersecting each other at their centers with the arms of each interwoven with the other and permanently secured together.

1,511,741. MANUFACTURE OF FABRICS CONTAINING ARTIFICIAL SILK. WILLIAM MARSHALL, Cheddle Hulme, England. Filed Oct. 13, 1923. Serial No. 668,419. 2 Claims. (Cl. 8—20.)

1. The process of manufacturing fabrics of mixed artificial silk and mercerized cotton, which comprises weaving the fabric from incompletely mercerized cotton yarn, and acetyl cellulose yarn, and then subjecting the fabric to the action of a caustic alkali mercerizing agent, wherein the action of such agent upon the acetyl cellulose is substantially prevented by maintaining the caustic alkali at mercerizing strength at low temperatures.

1,511,742. METHOD OF PRESERVING WOOD AND WOODEN STRUCTURES. FRIEDRICH CARL MATTHIES, Lauerbach bei Erbach, Germany, assignor to George Emil Stahl, Jersey City, N. J. Filed Dec. 6, 1921. Serial No. 520,273. 2 Claims. (Cl. 99—12.)

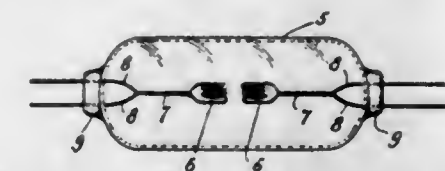
1. The process of preserving wood and wooden structures and articles made from wood, which consists in coating the wood with a disinfectant solution, allowing this coating to become dry and then applying thereon a coating of mineral oil free from gum or rosin, as described.

1,511,743. HAIR CURLER. MILTON D. MESEROLE, Milford, Conn., assignor to The Hayes-Meserole Mfg. Co., Inc., Milford, Conn., a Corporation. Filed Oct. 22, 1923. Serial No. 669,991. 2 Claims. (Cl. 132—43.)



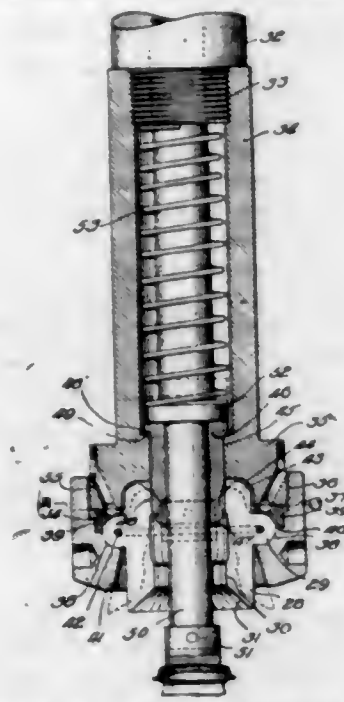
1. A flexible hair curler, comprising three flexible members, means for connecting the members together near the center, one of said members forming a tongue adapted to be turned over the ends of a lock of hair placed over the curler.

1,511,744. CIRCUIT PROTECTIVE DEVICE. FLOYD J. METZGER, New York, N. Y., and JOHN T. ORR, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1922. Serial No. 598,305. 5 Claims. (Cl. 175—30.)



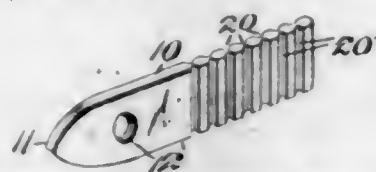
1. In a safety device for electrical circuits the combination of a frangible vessel and electrodes therein consisting of loops adapted to provide a relatively large surface area, each electrode having two branched conductors sealed through the wall of the vessel in spaced relation, the conductors being twisted within the vessel to provide a stiff support for the electrodes.

1,511,745. CROWNING MACHINE. VALENTINE J. MOHLER, Baltimore, Md., assignor to Liquid Carbonic Company, a Corporation of Illinois. Filed Feb. 23, 1922. Serial No. 538,537. 13 Claims. (Cl. 226-86.)



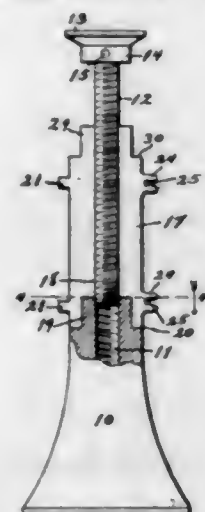
1. In a device of the class described, a sectional die comprising a plurality of radially movable members, rigid means for locking said members inwardly in die-forming position and adapted to release the members to permit them to move outwardly and a spring for normally holding said means in locking position.

1,511,746. NUT FOR SCREWS. SAMUEL J. NOLL, Newark, N. J. Filed Nov. 23, 1923. Serial No. 676,494. 2 Claims. (Cl. 85-32.)



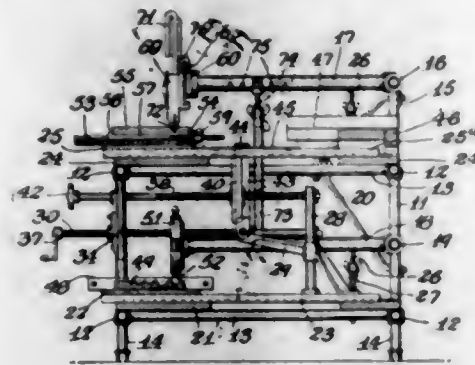
1. A nut for screws comprising a flat plate having a pointed end and a screw-threaded perforation near said end.

1,511,747. JACKSCREW EXTENSION ATTACHMENT. MELVIN J. PARKER, Quimby, Iowa. Filed Oct. 28, 1920. Serial No. 420,125. 1 Claim. (Cl. 254-98.)



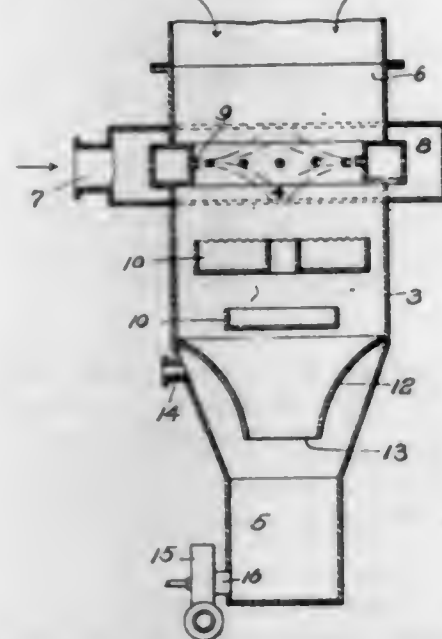
In a jack-screw having a base and a screw threaded therein, said base being formed with a reduced cylindrical upper end portion, an extension attachment formed of substantially like semi-cylindrical members, said members being formed with relatively movable arcuate portions adapted to embrace said reduced portion of the base, said members also being formed with reduced arcuate portions adapted conjunctively to be embraced by superposed duplicate members.

1,511,748. WOODWORKING MACHINE. WILLIAM POTTER, New York, N. Y. Filed June 13, 1922. Serial No. 567,942. 15 Claims. (Cl. 144-144.)



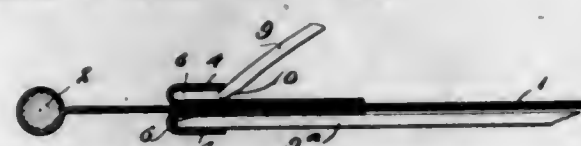
1. A machine of the class described comprising a suitable workpiece supporting member, means extending longitudinally of said member for supporting a plane thereover and for guiding said plane in its movement, the means for supporting said plane being movable toward and from said member, means for moving said member transversely of the plane supporting means and of the longitudinal movement of said plane, and a motor supporting member in operative connection with said workpiece supporting member and the means for operating the same.

1,511,749. COMBINATION HEATER. JAMES A. POWELL, Reading, Pa. Filed Aug. 18, 1920. Serial No. 404,444. 5 Claims. (Cl. 261-118.)



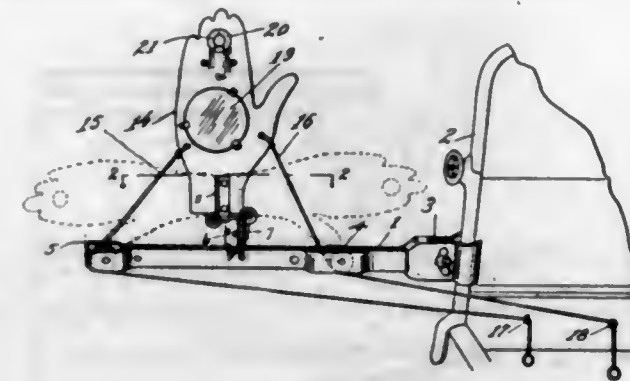
1. A feed water heater comprising a casing having a steam inlet port and a water inlet port near the upper end thereof, a water discharge port near the bottom thereof and an air discharge port between the steam inlet port and the water discharge port, in combination with nozzles located within the casing and communicating with the water inlet port for delivering water in the form of spray across the path of the steam entering the steam inlet port, and trays located below said nozzles and adapted to receive water delivered therefrom.

1,511,750. INDEX DEVICE. JAMES H. RAND, North Tonawanda, N. Y. Filed Dec. 26, 1923. Serial No. 682,644. 6 Claims. (Cl. 40-64.)



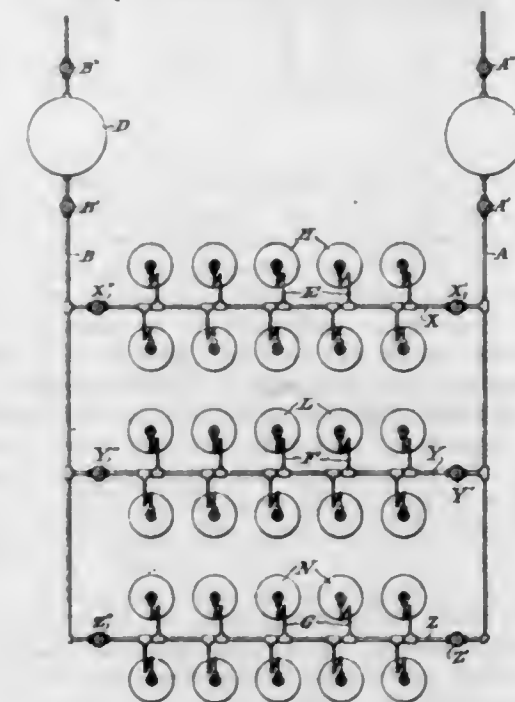
6. An index slip for insertion beneath the side flanges of an index holder, the back of the slip being bevelled at the ends to facilitate insertion in the holder.

1,511,751. SIGNAL DEVICE FOR AUTOMOBILES. JOSEPH BAMBERGER, Cincinnati, Ohio. Filed Jan. 12, 1923. Serial No. 612,277. 1 Claim. (Cl. 110-51.)



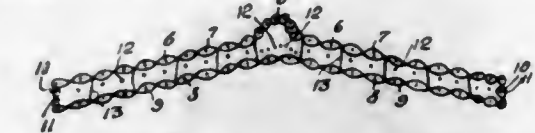
A device of the character described comprising an arm, means for securing said arm to a motor vehicle so that the same will extend laterally therefrom, a two-way spring hinge mounted on said arm intermediate its ends and displaced laterally from said vehicle, a direction indicating member secured to one leaf of said hinge so as to point normally vertically upward, said member comprising a representation of a hand, and being of a length less than the distance of displacement of said hinge from the side of said vehicle, pulley wheels mounted in said arm on opposite sides of said hinge, and cords attached to opposite sides of said indicating member and arranged to operate respectively around said pulleys whereby said member may be moved either to the right or left to a position substantially parallel with said arm.

1,511,752. GAS-DISTRIBUTING APPARATUS. GLENN O. CARTER, New Rochelle, N. Y., assignor to The Linde Air Products Company, a Corporation of Ohio. Filed July 19, 1922. Serial No. 576,128. 7 Claims. (Cl. 221-73.5.)



1. A gas distributing apparatus for use with portable gas storage cylinders comprising a high pressure header, a low pressure header, and means adapted to be coupled to one or more cylinders and arranged to convey gas therefrom successively to the high pressure header and to the low pressure header whereby residual gas from such cylinders may be utilized in said low pressure header.

1,511,753. BELTING. LESTER B. CHISHOLM, Melrose, Mass. Filed Nov. 20, 1920. Serial No. 425,514. 9 Claims. (Cl. 139-384.)

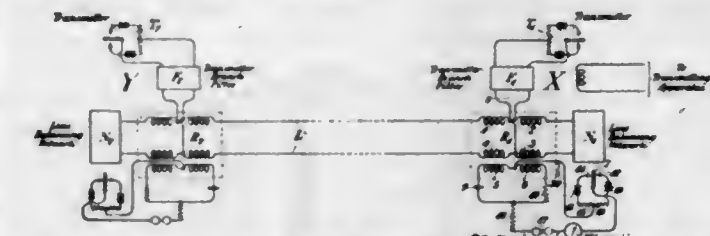


1. As an article of manufacture, machine belting of woven material having inherent transverse angular body flexure induced by the weave structure.

1,511,754. PROCESS FOR MANUFACTURING OF PROPANTRIOL FROM SUGAR. WILHELM CONNSTEIN, Berlin, and KARL LÜDECKE, Wilmersdorf, near Berlin, Germany. Filed Aug. 13, 1919. Serial No. 317,324. 5 Claims. (Cl. 195-6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

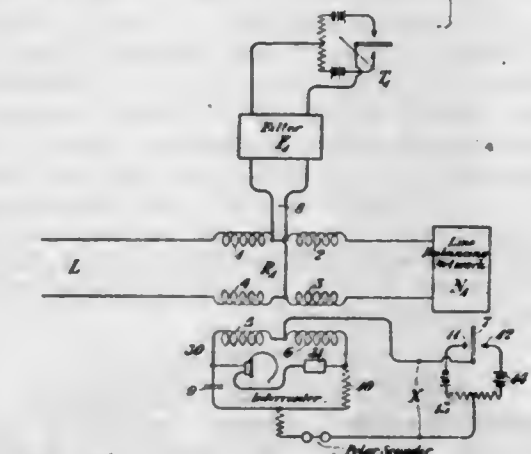
1. The process for manufacturing propantriol which consists in adding alkaline sulphites (until alkaline reaction) and yeast to sugar and then allowing the mixture to be fermented.

1,511,755. ELECTRICAL TESTING SYSTEM. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 16, 1921. Serial No. 485,206. 6 Claims. (Cl. 178-58.)



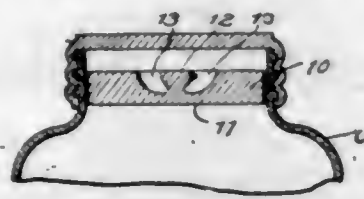
1. The method for determining the degrees of unbalance between two networks which consists in impressing across said networks signaling currents of different frequencies, said frequencies being derived from different sources allowing the resultant current to control an electromagnetic device having an indicating device in series with its armature whereby the degree of unbalance between the said networks may be determined by the variation in the cyclic movement of said armature.

1,511,756. ELECTRICAL TESTING SYSTEM. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 16, 1921. Serial No. 485,207. 7 Claims. (Cl. 178-58.)



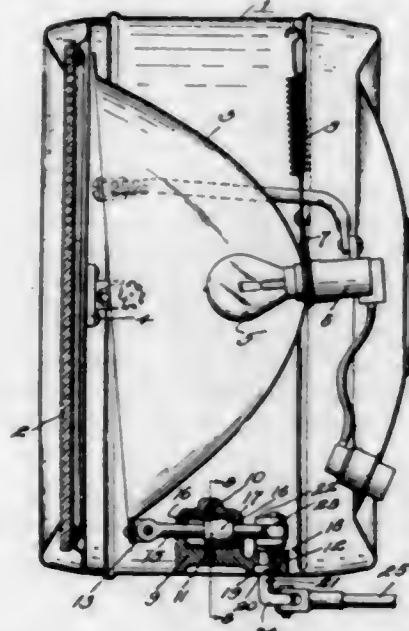
1. The method for detecting unbalance between two electrical networks which consists in impressing telegraph signaling impulses across said networks, allowing the resultant current to induce an electromotive force in a receiving circuit, interrupting the resultant induced current and detecting the interrupted current.

1,511,757. PICKLING WEIGHT. CHARLES HERMAN DE GROFF, West Unity, Ohio. Filed Apr. 2, 1921. Serial No. 457,948. 1 Claim. (Cl. 215-81.)



A pickling weight comprising a relatively thick, flat, impermeable disk of impermeable, non-buoyant material, the under surface of said disk being smooth and free from inequalities of surface, the upper surface of the disk having depressions formed therein to provide gripping portions whereby the disk may be engaged by the fingers, these depressions being semi-circular in plan view to provide parallel inside edges and curved outer edges, each depression extending downward beneath the inside wall thereof whereby this inside wall is undercut, said disk substantially corresponding in diameter to the neck of a receptacle adapted to receive the disk whereby the disk is guided by the walls of said neck and also positioned centrally of the contents of the receptacle by said neck.

1,511,758. HEADLIGHT FOR AUTOMOBILES. HAROLD B. DONLEY, Columbus, Ohio, assignor to The John W. Brown Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Oct. 27, 1922. Serial No. 597,346. 1 Claim. (Cl. 240-41.)

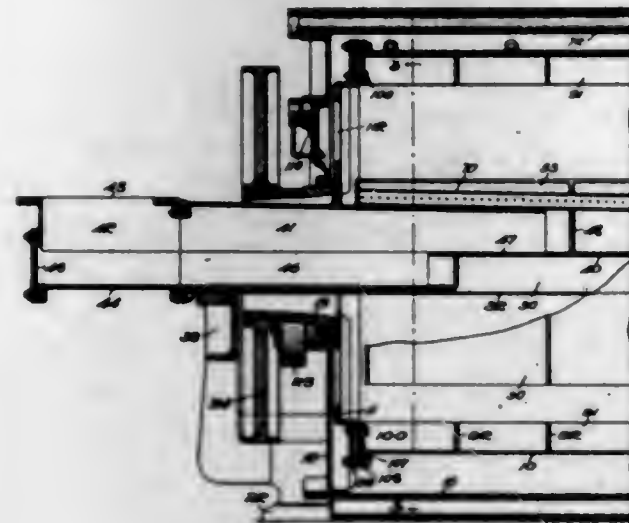


In combination with a lamp casing, a reflector mounted therein for tilting movement, a housing mounted within the casing, a rod slidably mounted in the housing and having its forward end pivotally connected with the reflector, a block mounted in the casing adjacent the housing and having a bearing formed therein, a shaft rotatably mounted in the bearing and having a laterally disposed arm carried by its upper end, said arm being pivotally connected to the rear end of the rod, and a link pivotally connected with the lower end of the shaft to rotate the same to shift the rod to control the tilting movement of said reflector.

1,511,759. METHOD OF AND APPARATUS FOR SCREENING PAPER STOCK. ANTON J. HAUG, Nashua, N. H., assignor to Improved Paper Machinery Company, Nashua, N. H., a Corporation of Maine. Filed Nov. 21, 1919. Serial No. 339,562. 52 Claims. (Cl. 92-35.)

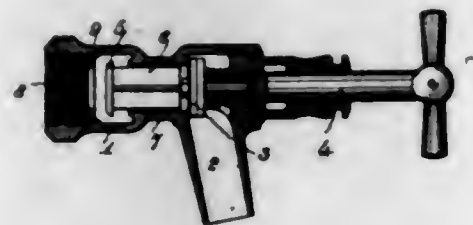
1. A screening apparatus for paper stock, the same having a rotary screen drum the interior of which is subdivided longitudinally into separate screening com-

partments whereby the stock delivered to the inlet end may be screened, lifted and dropped by the rotation of the drum, and stock-advancing means comprising a repository for the dropped stock with separate passages, one for each screening compartment, adapted to advance



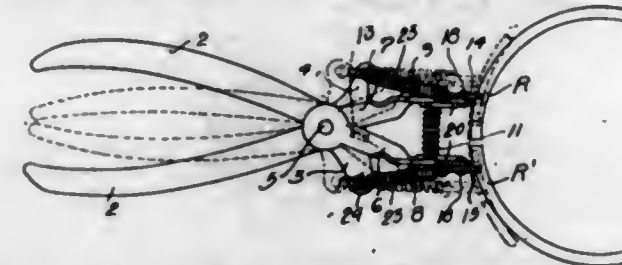
the residue from each screening operation and deliver it to the next or more advanced compartment of the drum, said passages at their receiving end registering with the delivery from one compartment and at their delivery end with the next adjacent compartment of the drum.

1,511,760. WATER TAP. CARL ALBERT HELLDÖV and GEORG AXEL GABRIEL LÖFSTRÖM, Malmö, Sweden. Filed Jan. 31, 1924. Serial No. 689,664. 1 Claim. (Cl. 277-27.)



In a water tap, the combination of a body or casing provided at one end with an internally-threaded connecting portion constituting a water inlet, and at its other end with a hollow plug having an internally-threaded part; a laterally-projecting discharge spout adjacent the plug; said body also comprising a cylindrical, central portion which forms an integral part thereof and the extreme opposite end surfaces of which constitute annular valve seats disposed interiorly of the body; the connecting portion of said body, the two valve seats and the bore of the plug being disposed in coaxial relation; a main valve to engage the front valve seat; an operating spindle extending through said plug bore and connected to said valve and having an externally-threaded part engaged with the internally-threaded part of the plug, a secondary valve adapted to be inserted through the connecting portion of the tap body into position to engage the rear valve seat and having forwardly-extending, radially-arranged guide wings of greater length than the cylindrical portion of said body which project into and through that portion and abut against the main valve at their free ends, whereby the secondary valve will be spaced from its seat by the main valve when the latter is closed, but will be moved against its seat by the pressure of the in-coming water as the main valve is moved away from the respective seat by the operation of said spindle and a stop ring threaded into said connecting portion to prevent loss of the secondary valve.

1,511,761. PISTON-RING EXPANDER. THOMAS A. HUTSELL, Spokane, Wash. Filed Sept. 1, 1923. Serial No. 660,625. 3 Claims. (Cl. 29-86.4.)



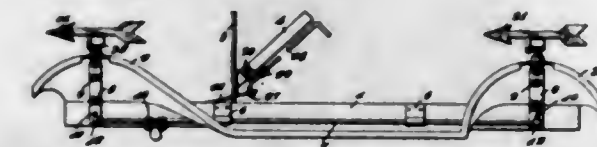
1. The combination with a pair of pivoted handles having angularly disposed integral arms and a pair of spreader arms pivoted with said handles, of stationary jaws carried by said spreader arms, gripping jaws pivoted on said stationary jaws and laterally movable with the spreader arms, and pivoted links connecting said gripping jaws and angular arms.

1,511,762. HONEYCOMB STERILIZER. JACOB CASPER HUTZELMAN, Glendale, Ohio. Continuation of application Serial No. 493,645, filed Aug. 19, 1921. This application filed Apr. 5, 1924. Serial No. 704,495. 3 Claims. (Cl. 167-3.)

1. A preparation for sterilizing honeycomb infected with the disease known as foul brood comprising a volatile solvent having the property of penetration of the disease-infected honeycomb and formaldehyde.

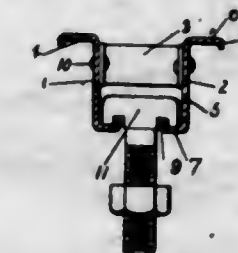
2. A preparation for sterilizing honeycomb infected with the disease known as foul brood comprising in solution a medium having the property of penetration of the disease infected honeycomb and a germicide, the penetrant being alcohol and the germicide being formaldehyde.

1,511,763. TRAFFIC SIGNAL. ADOLPHUS MARION JOHNSON and ULYSSES GRANT BLANTON, Chamblee, Ga. Filed June 24, 1924. Serial No. 722,070. 2 Claims. (Cl. 116-5.)



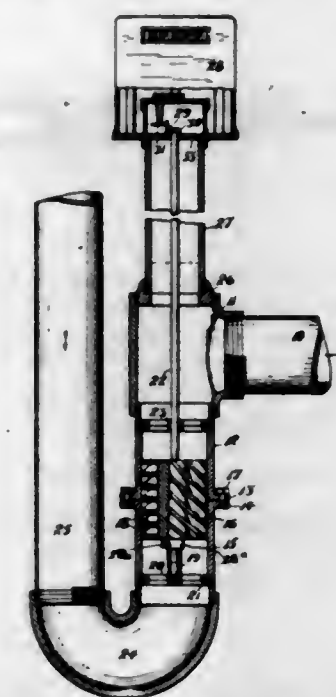
1. The combination with the chassis bar and the steering column of a vehicle, of a lever fulcrumed on the column and under the control of an operator, an operating member mounted for right-line sliding movement on the bar, a link pivoted to the lever, a shaft disposed transversely of the bar and journaled thereon, the shaft having inner and outer cranks connected, respectively, to the link and to the operating member, a signal movable on the vehicle, and means for connecting the signal operatively with the operating member.

1,511,764. STRINGER. ANDERS JORDAHL, New York, N. Y. Filed Nov. 11, 1922. Serial No. 600,270. 6 Claims. (Cl. 72-101.)



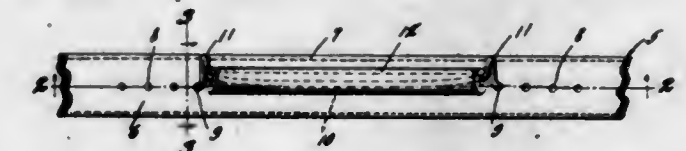
1. A structural steel building unit, comprising a pair of stringer beams in spaced relation having a vertical web and securing means at each vertical end of said web; and a plurality of U-shaped cross braces secured vertically to the vertical webs.

1,511,765. SOLUTION METER. MARC L. LATHAM, Angels Camp, Calif. Filed Aug. 2, 1921. Serial No. 489,240. 2 Claims. (Cl. 73-87.)



1. A meter comprising a two-part vertical casing split transversely and formed with a cylindrical center bore, a cylindrical rotor disposed within said bore having spiral vanes arranged around the circumference thereof; bearing members at the top and bottom of said casing to receive the shaft of said rotor, a T connection at the upper end of said casing; a horizontal eduction pipe leading therefrom; a vertical supporting column extending from said T in alignment with the rotor casing, said column extending above the level of a liquid flowing through the casing; a register supported at the upper end of said column; and an induction pipe in communication with the lower end of the casing.

1,511,766. GARMENT SUPPORT. THOMAS I. LUDWIG, Detroit, Mich. Filed Oct. 10, 1923. Serial No. 667,763. 3 Claims. (Cl. 241-9.)



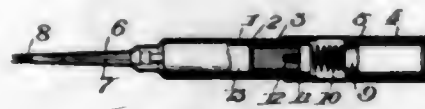
1. In a device of the character described, a supporting belt, an auxiliary supporting strap secured to the belt and having a plurality of spaced openings, a supporting member having curved extremities adapted to be positioned in the openings and lie between the supporting strap and belt and a covering for said supporting member.

1,511,767. MANHOLE CONSTRUCTION. WALTER CLINE MCGAFFIC, Youngstown, Ohio, assignor to The Youngstown Boiler & Tank Company, Youngstown, Ohio, a Corporation of Ohio. Filed Dec. 1, 1923. Serial No. 678,073. 4 Claims. (Cl. 220-25.)



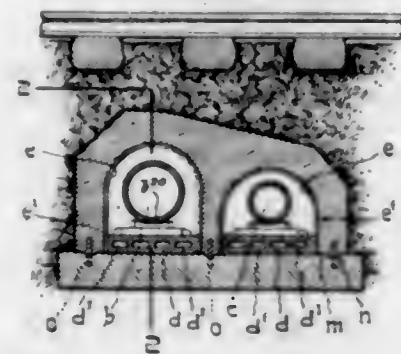
1. A manhole construction comprising a unitary frame, said frame being substantially Z-shape in cross-section and the upper flange thereof being inturned when the frame is in position, a cover adapted to fit upon said inturned flange, and means for securing said cover thereto.

1,511,768. CONSTRUCTION OF INJECTORS. MURAJI NAKAI, Hyogo-Ken, Japan. Filed Mar. 27, 1923. Serial No. 628,145. 3 Claims. (Cl. 128-218.)



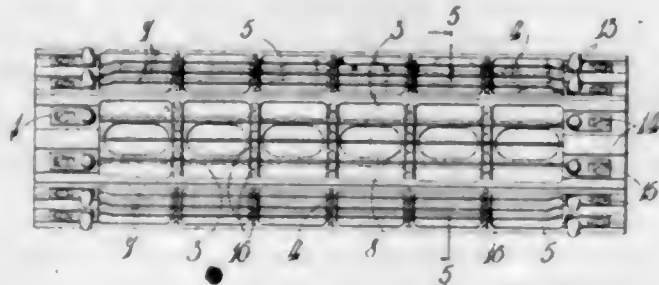
1. An injector, comprising a casing, an injector tube receivable in the casing, a piston positioned in the injector tube, a hollow cap fitting on the casing, and a disinfectant container contained in the cap, the casing being connectible with the piston, to form a handle therefor, when the injector is in use.

1,511,769. UNDERGROUND CONDUIT. JOHN W. ORROCK, Westmount, Quebec, Canada. Filed Jan. 19, 1921. Serial No. 438,488. 14 Claims. (Cl. 137-75.)



1. A conduit for the purpose described, comprising a drainage tile and a transversely corrugated metal arch section arched over the drainage tile, the said tile being throughout its length of less width than the arch section.

1,511,770. JACQUARD CYLINDER. JOHN H. PRUNELL, Kidderminster, England. Filed Mar. 6, 1923. Serial No. 623,263. 6 Claims. (Cl. 139-330.)



1. A jacquard cylinder comprising at least one unit, spaced flanges on said unit, having peripheral slots, at least one longitudinally extending member connecting said flanges, and longitudinal bars secured with the slots in the flange and forming a support for the cards.

1,511,771. EXPLOSIVE COMPOUND FOR PRIMERS AND DETONATORS. HANS RATHSBURG, Furth, Germany. Filed Aug. 22, 1921. Serial No. 494,386. 2 Claims. (Cl. 32-4.)

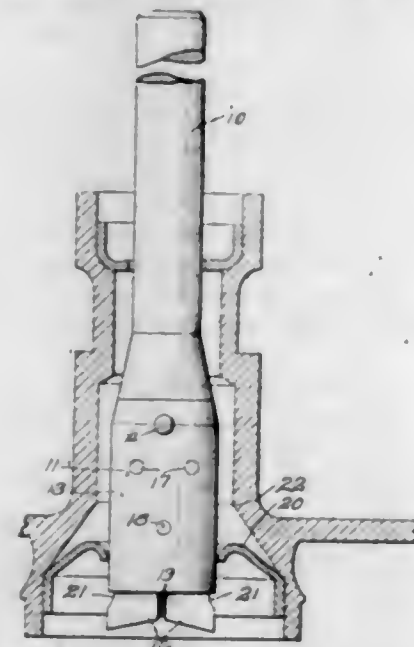
1. A priming composition for detonating purposes comprising a salt of tetrazole.

1,511,772. OIL BURNER. MATTHIAS H. REIMERS, Hoboken, N. J., assignor to W. N. Best Corp., New York, N. Y., a Corporation of New Jersey. Filed Dec. 20, 1923. Serial No. 681,086. 12 Claims. (Cl. 158-78.)



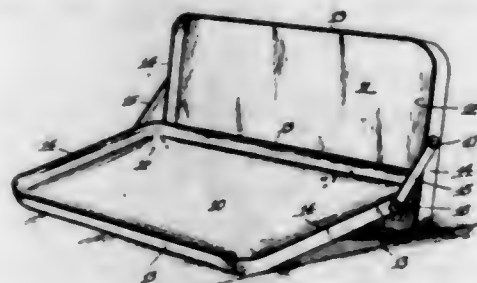
1. A liquid fuel burner including a body portion having a liquid fuel supply passage and an outlet orifice, and a removable annular member presenting an annular groove communicating with said passage, and said outlet, at diametrically opposite points and a second removable member closing the open side of the groove.

1,511,773. DEVICE FOR REMOVING CUPS. HUBERT RIEDESEL, Lanesboro, Iowa. Filed Sept. 14, 1922. Serial No. 588,113. 4 Claims. (Cl. 29-88.2.)



1. A tool for removing cups or races from automobile wheel hubs and the like, comprising in combination a head provided with opposed disk bearing sockets, opposed pawls having circular bearings adapted to bear against said sockets and swing therein, means for retaining said pawls in said head and means for automatically expanding said pawls.

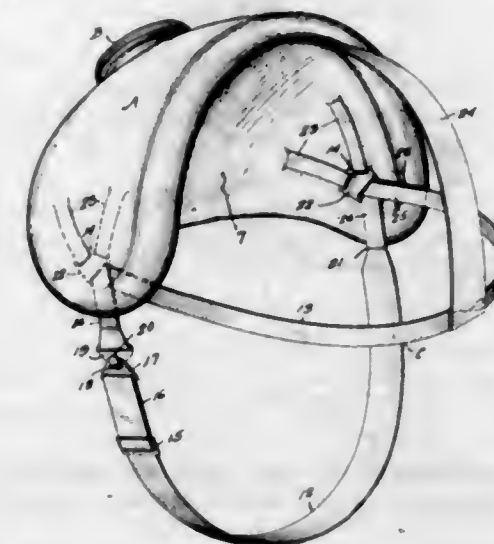
1,511,774. DISPLAY BOX. JOSEPH RIFKIN, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 13, 1923. Serial No. 612,562. 1 Claim. (Cl. 217-58.)



A display box, comprising similar body and cover sections, and links pivoted at opposite ends to the body and cover, the pivot on the body being disposed in the ends thereof adjacent the rear side and the pivot on the cover being disposed in the ends and midway of their length, and in which the said links are of a length

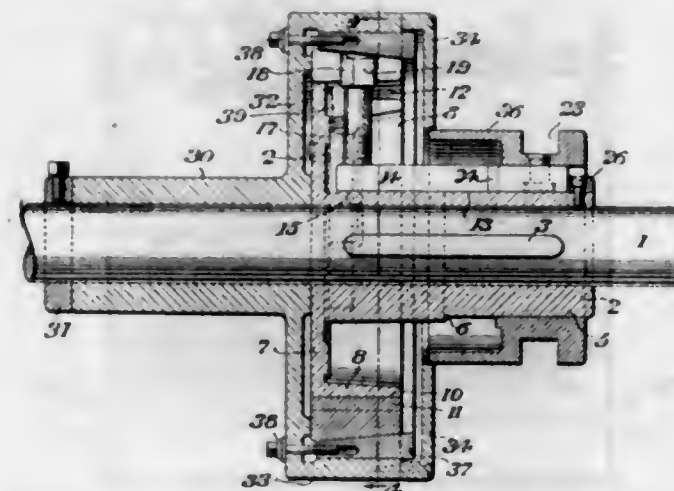
substantially less than the distance measured by one-half the length of the said ends, whereby, when the cover is in upright position the rear side of the body will be suspended against the inside of the cover and the body will assume an inclined position with respect to the cover, substantially as described.

1,511,775. ICE APPLICATOR. EUGENE FREDERIC RIOUX, New York, N. Y., and ROBERT LEE COLTER, Wauchula, Fla. Filed Aug. 14, 1919. Serial No. 317,608. 8 Claims. (Cl. 128-259.)



1. An ice applicator, comprising in combination an elongated bag formed with its bottom concave with respect to its major axis, and means for retaining said bag on the head of the user, including straps secured to the underside of the bag inwardly of its end portions.

1,511,776. FRICTION CLUTCH. JOSEPH H. ROBERTS, Waterbury, Conn. Filed Feb. 8, 1923. Serial No. 617,728. 11 Claims. (Cl. 192-77.)

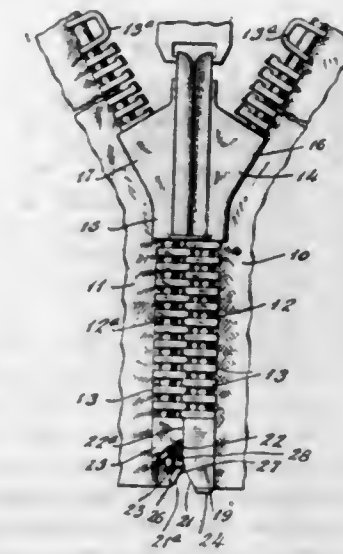


10. A friction clutch comprising a clutch body adapted to be rigidly secured to a drive shaft, a split expansion clutch ring, a slidable device mounted on the clutch body, means adapted to be operated by said slidable device to expand the clutch ring, a driven clutch member adapted to be engaged by the clutch ring, a pair of pivoted weighted pawls within the clutch body, an inwardly extending headed locking pin carried by each end of the split clutch ring, and a lug carried by each of the said weighted pawls and adapted to engage the headed end of an adjacent locking pin.

1,511,777. OPENING AND CLOSING DEVICE FOR SEPARABLE FASTENERS. LOUIS ROCKE, Brooklyn, N. Y. Filed Sept. 6, 1922. Serial No. 586,406. 8 Claims. (Cl. 24-205.)

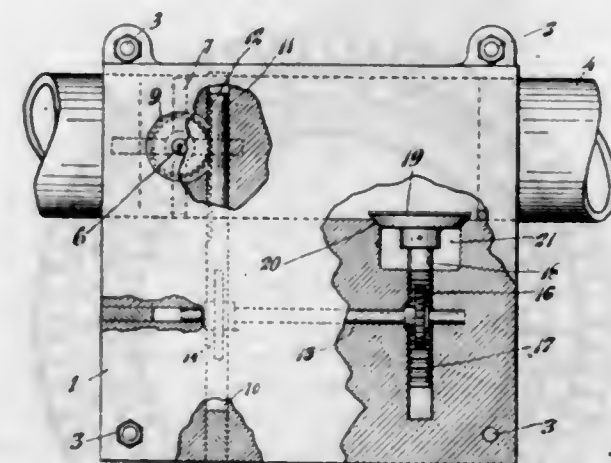
6. A separable fastening device of the type wherein a plurality of metallic fastening means are permanently secured upon a pair of flexible stringers and a sliding cam

device is provided for locking or unlocking said fasteners, characterized by a clasp member secured to one end of each stringer, one of said clasp members being



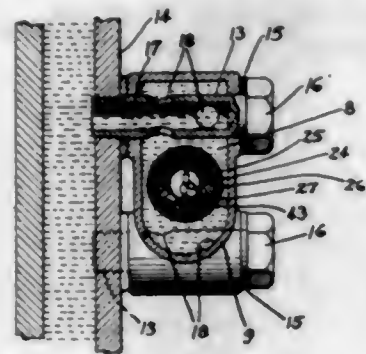
provided with a headed stud and the other of said members being provided with a slot, the edges of which are turned inwardly to prevent disengagement of said stud by transverse movement.

1,511,778. THEFT ALARM FOR MOTOR VEHICLES. FRANK H. RUEHMEIER, Latonia, Ky. Filed Oct. 19, 1923. Serial No. 669,505. 1 Claim. (Cl. 116-33.)



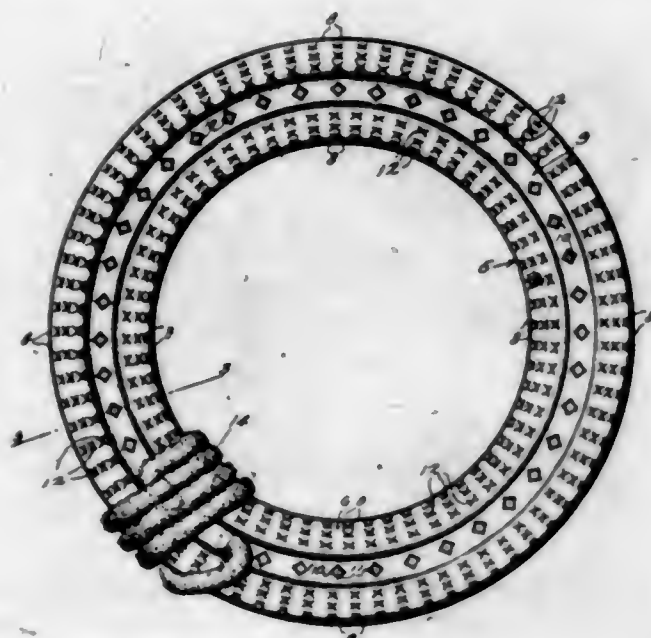
A device of the character specified, comprising two complementary blocks arranged to be assembled in connection with the exhaust of a motor vehicle, said blocks being formed with complementary depressions throughout their length to provide a channel for said exhaust when assembled, a valve mounted in said blocks, a warning signal mounted in said blocks, and being arranged to communicate through said valve with said exhaust channel, a valve for closing said exhaust channel, means for locking said exhaust channel valve in closed position, a gear mounted on the shaft of said exhaust valve, a rack bar slidably mounted in said block and arranged to be operated by said gear, a shaft rotatably mounted in said block, a gear rigidly mounted on said shaft and arranged to be operated by a rack on said bar, a rack on the lower end of said signal valve stem, and a gear on the free end of said shaft arranged to intermesh with the rack on said stem, whereby the operation of said exhaust channel valve is arranged to operate said signal valve.

1,511,779. HEATING DEVICE. ROBERT SARDSON and JOHN CORSE, Minneapolis, Minn., assignors to Andrew Scharff, Chicago, Ill. Filed Oct. 3, 1923. Serial No. 666,344. 7 Claims. (Cl. 219-38.)



1. In a heating device for the water cooling system of an internal combustion engine, the combination of a casing providing a water chamber and having a pair of aligned apertures therethrough, securing means adapted to be passed through said pair of apertures and to be secured to the wall of the cooling system, said securing means having an inner hollowed portion affording communication between the water chamber and the system for inter-circulation of the water, and heating means in the chamber.

1,511,780. WREATH FORM. GEORGE K. SMITH, Camden, N. J., assignor of one-third to Harold E. McCrery and one-half to Albert E. Jesser, both of Philadelphia, Pa. Filed Aug. 25, 1922. Serial No. 584,374. 5 Claims. (Cl. 41-12.)

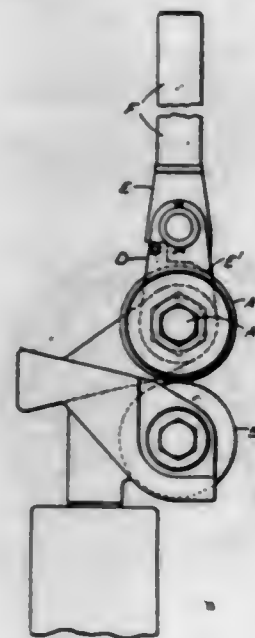


1. A wreath form comprising a substantially ring shaped shell provided in one face with a continuous groove, said shell being further provided with an opening formed at the bottom of said groove by stamping the material of the shell inwardly to form edges adapted to grip the end of the material with which the shell is wrapped.

1,511,781. ROTARY SHEARING AND OTHER HAND-OPERATED TOOL. ERIC MONTAGUE SMITH, Eastcote, England. Filed June 13, 1924. Serial No. 719,751. 5 Claims. (Cl. 164-60.)

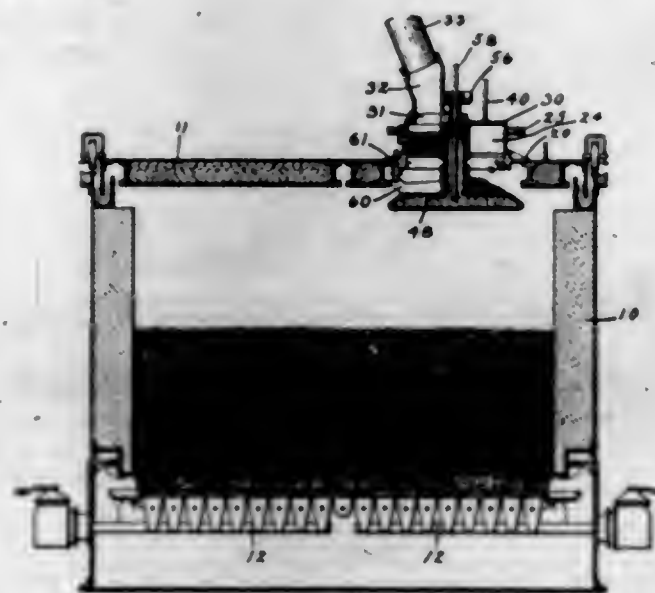
1. A shearing tool comprising a frame, a plurality of rotary cutters mounted therein with their cutting edges

in operative relation with respect to one another, one of said cutters having its periphery dentated, and a pivoted



operating lever carried by the frame and adapted to engage the dentations of the cutter whereby to drive the same.

1,511,782. FUEL-FEEDING MECHANISM. HARRY F. SMITH, Dayton, Ohio, assignor to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 12, 1921. Serial No. 444,583. 25 Claims. (Cl. 214-18.)



1. In apparatus of the character described, the combination of a member having a fuel supply aperture and a fuel discharge aperture, a rotatable disc member having a port therethrough adapted to register alternately with the fuel supply aperture and with the fuel discharge aperture; and means for filling said port with steam while it is in register with the fuel discharge aperture, to prevent the transfer therethrough of gas.

1,511,783. INKING ROLLER. JOHN C. SPROULL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 23, 1921. Serial No. 494,510. 1 Claim. (Cl. 101-349.)

In a printing-press, the combination of a printing-cylinder, a pair of shaft supports adjacent thereto, a shaft slidably mounted in said supports in a position

parallel to said cylinder and held against rotation, a tubular inking roller surrounding said shaft, and a pair of anti-friction bearings interposed between said shaft



and roller and located within the roller at a distance approximately one-quarter of the length of the roller from each end.

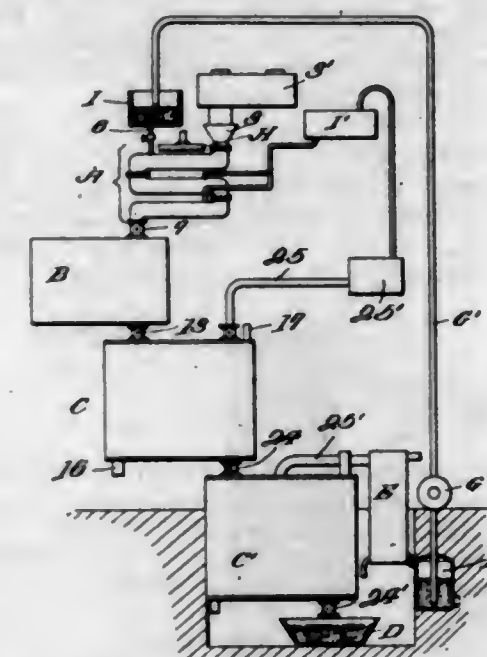
1,511,784. PLASTIC COMPOSITION. JAKOB SULZER, Basel, Switzerland, assignor to The Society Elektrizitätswerk Lonza, Gampel and Basel, Switzerland. Filed Oct. 31, 1922. Serial No. 598,201. 2 Claims. (Cl. 106-7.)

1. A plastic composition composed of an intimate mixture of a linoleum cement with cuprene as filling material, substantially as and for the purpose described.

1,511,785. METHOD OF TREATING PULP TO IMPROVE FILTRATION. URLYN CLIFTON TANTON, Johannesburg, Transvaal, South Africa. Filed Oct. 2, 1919. Serial No. 327,994. 5 Claims. (Cl. 75-18.)

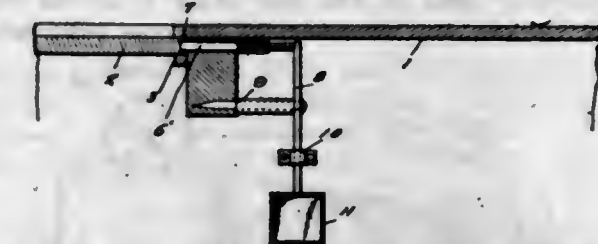
1. A method of improving the filtration of a pulp obtained by the lixivation of an ore by a sulphuric acid solution, which pulp has a tendency to become colloidal during lixivation, which consists in adding a fluorine compound adapted to be decomposed by the sulphuric acid.

1,511,786. PROCESS FOR CONVERTING CELLULOSE AND CELLULOSE-YIELDING MATTER INTO DEXTRENE AND GLUCOSE. HENRI TERRISSE and MARCEL LÉVY, Geneva, Switzerland. Filed Feb. 25, 1920. Serial No. 361,327. 4 Claims. (Cl. 127-37.)



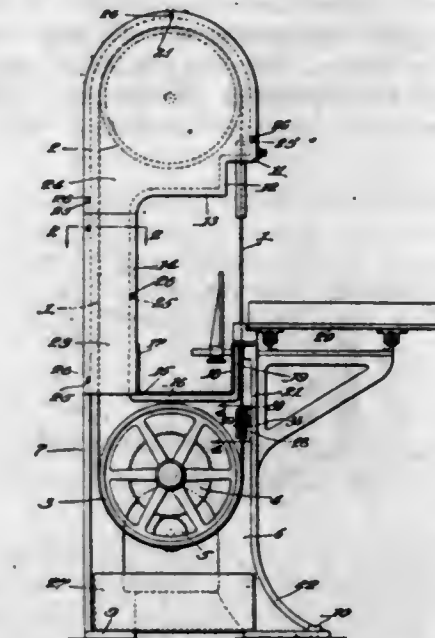
1. The process of converting a cellulose-containing substance into dextrene and glucose, comprising preliminarily drying the substance to expell practically all of the moisture therefrom, conveying said substance in a thin layer through a mixing chamber subjected to the action of cooling means, simultaneously mixing with said substance while being conveyed through said chamber liquid hydrochloric acid concentrated to about 40% and supersaturating it with gaseous hydrochloric acid, thereafter digesting said substance in a thin layer while subjecting it to a temperature of between 12° and 50° C. and to a hydrochloric acid gas pressure slightly greater than atmospheric pressure, recovering hydrochloric acid from the digested substance and then treating the substance to convert it into glucose

1,511,787. CHICKEN COOP. JOHN A. THOMPSON, Estelline, S. Dak. Filed May 23, 1923. Serial No. 640,983. 2 Claims. (Cl. 110-22.)



2. In a coop, a sliding door therefor, a weight connected with the door for holding the same in open position, a bolt for holding the door in closed position, a spring for holding the bolt in retracted position, a trigger pivoted to the door frame and engaging the bolt, a guide for the trigger, a feed pan on the trigger adapted to be moved downwardly by the force of the chicken's beak striking the same in an attempt to eat feed contained in the pan to release the latch.

1,511,788. MEAT-CUTTING BAND SAW. JAY W. VAUGHAN, Chicago, Ill. Original application filed May 26, 1919, Serial No. 299,718. Divided and this application filed July 12, 1920. Serial No. 395,448. 3 Claims. (Cl. 143-17.)

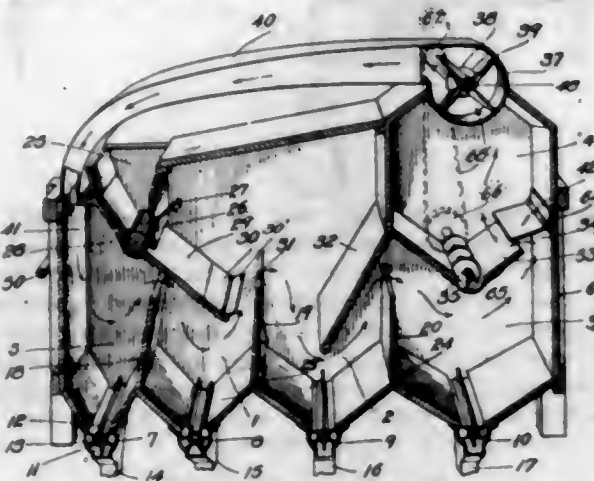


1. In a meat-cutting band saw comprising two saw-supporting wheels arranged one above the other, and an endless saw blade thereon, a supporting frame for the wheels having upper and lower web portions substantially parallel to the plane of the wheels with marginal flanges whose depth exceeds the width of the wheel rims, and a vertically connecting web of restricted width extending adjacent the upwardly traveling ply of the saw blade, said restricted web having marginal flanges at opposite sides of the saw blade respectively, and exceeding said blade in depth so that the inner one of said flanges extends between the blade and the work table, the upper and lower webs adjacent the wheels having horizontal flange portions which extend respectively below and above said wheels and connect with the inner flange of the restricted web for completely protecting the work table from scraps thrown off by the blade in its travel.

1,511,789. MILLSTOCK PURIFIER. HENRY VILM, Kansas City, Mo. Filed Apr. 26, 1922. Serial No. 556,592. 1 Claim. (Cl. 83-40.)

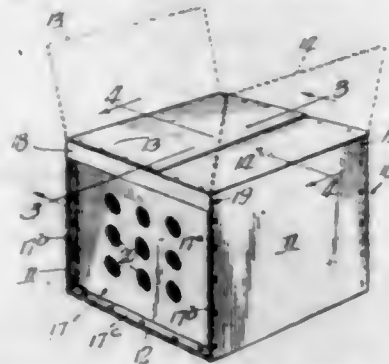
A device of the class described comprising a closed casing, a plurality of communicating separating chambers in the bottom of the casing having open upper ends, means for feeding mill stock into the space above the second chamber, means for feeding air into the first chamber, means for directing air from the first chamber

into the second chamber to permit it to pass there-through into a third chamber, means for directing air from the third chamber into a fourth chamber, and means for returning some of the mill stock from the fourth chamber to the first chamber, said means comprising a



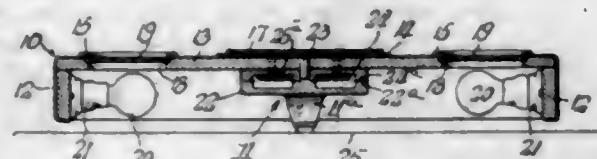
chamber located above the fourth chamber and having an inlet on one side thereof and a return conduit having an air impeller therein, the return conduit leading from the last mentioned chamber to the first chamber, and discharging into the top thereof.

1,511,790. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Chicago Mill and Lumber Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 17, 1922. Serial No. 544,537. 4 Claims. (Cl. 229-23.)



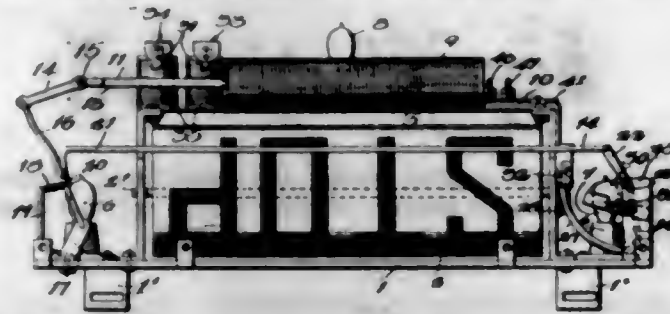
1. A collapsible box of the kind described comprising a tubular body made from a blank creased transversely to define a bottom, sides and a top closure; end closures for said body, each being a blank cut and creased to provide a bottom flange extension and two side flange extensions, the latter terminating short of the top edge of said blank; and transverse end cleats of wood, each adapted to extend between the sides of the box, along and flush with the top edge of an end closure, with the ends of the cleats bearing upon the top ends of the side flanges of said end closures.

1,511,791. ADVERTISING DEVICE. WILLIAM J. WEINBERG, Chicago, Ill., assignor of one-half to Fred Parker, Chicago, Ill. Filed Jan. 21, 1924. Serial No. 687,461. 2 Claims. (Cl. 40-130.)



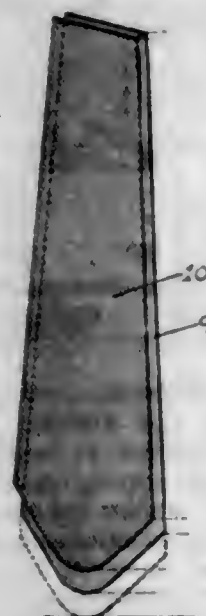
2. An advertising device comprising a base, a platform rotatable on said base between a secondary position and a primary position, a registering pad on said platform, an illuminated advertising card located on the platform adjacent said pad, means for illuminating said card, electric conductors leading to said illuminating means, and a switch device including a contact on said platform and a contact on said base, adapted to be engaged by the first named contact when said platform is in its primary position only.

1,511,792. SIGNALING DEVICE. MERRILL HENRY WELDY, Seattle, Wash. Filed Mar. 21, 1921. Serial No. 453,967. 1 Claim. (Cl. 177-31.7.)



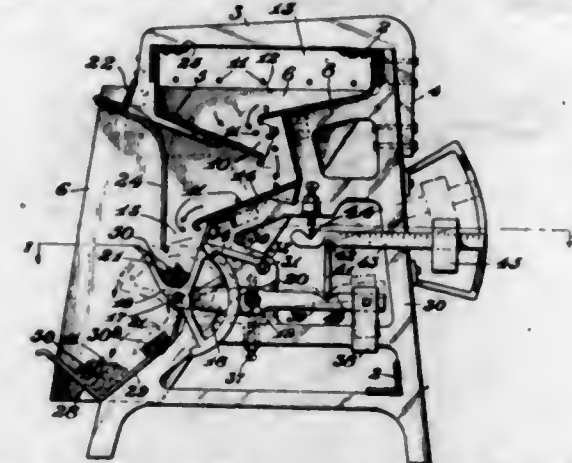
In a device of the character described, a rotatably supported cylinder having a plurality of direction-indicating indicia spaced circumferentially of the periphery thereof, said indicia constituting the words "Stop," "Right," and "Left," a solenoid arranged in parallel relation to the cylinder, a solenoid armature protruding from one end of the solenoid and having a notch in the projecting portion thereof, means arranged between the solenoid armature and the cylinder for rotating the latter when the solenoid armature is moved axially, a plurality of swingingly supported juxtaposed stops each adapted to engage the notch of the solenoid armature, elastic means normally holding said stops out of position to engage the notch of the solenoid armature, an electro-magnetic device for each stop and each being adapted when energized to move the stop member associated therewith into position to engage said notch, means for occasioning energization of said stop controlling electro-magnetic means selectively and the solenoid coincidently with any one of the stop controlling electro-magnetic means, two incandescent lamps respectively positioned at the right and left of the direction indicating cylinder, means associated with the stop controlling electro-magnetic operating means for energizing the lamp at the left of the cylinder when the "Left" signal is given and to energize the other lamp when the "Right" signal is given, and means associated with the cylinder rotating means for energizing both lamps simultaneously when the "Stop" signal is given.

1,511,793. APPAREL AND METHOD OF MAKING THE SAME. SIDNEY WORMS, New Rochelle, N. Y., assignor to Franklin Knitting Mills, New York, N. Y., a Corporation of New York. Filed May 24, 1922. Serial No. 563,372. 8 Claims. (Cl. 2-144.)



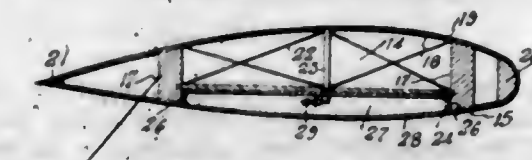
1. The herein described method of making a garment which consists in permanently stretching at least one of a plurality of fabrics initially of different stretch until the fabrics are of substantially the same relative stretch, and then superimposing one upon the other and connecting them together to form an article of apparel.

1,511,794. MACHINE FOR COLLECTING AND WEIGHING TIE WIRES. PARVIN WRIGHT, Chicago, Ill. Filed Nov. 1, 1922. Serial No. 598,397. 22 Claims. (Cl. 240-3.)



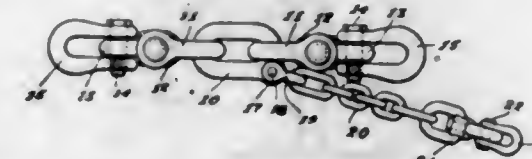
1. In a machine for collecting tie wires in bundles, the combination of a frame work; an inclined table supported by said frame work adapted to receive and guide said tie wires; a collecting means into which said tie wires may pass from said table; and means against which the ends of said wires may strike before reaching said collecting means, substantially as described.

1,511,795. ADVERTISING AEROPLANE. JACOB G. RATT, New York, N. Y. Filed Mar. 5, 1924. Serial No. 697,102. 4 Claims. (Cl. 40-127.)



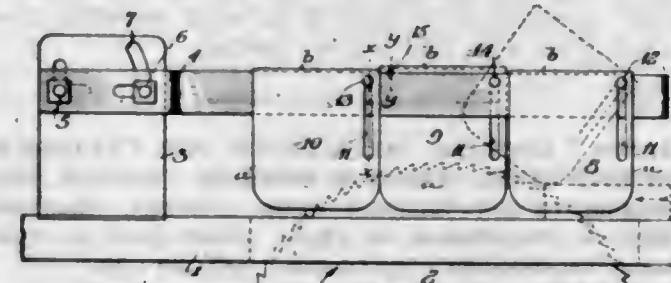
1. An aeroplane including a wing provided with a recess in its underface, a plurality of character plates in said recess completely filling the latter, and means for securing said plates in position within said recess.

1,511,796. HAULING AND SLACK-PULLER LINE SWIVEL ATTACHMENT. KNUTE BERGER, Seattle, Wash., assignor to Washington Iron Works, Seattle, Wash. Filed July 14, 1923. Serial No. 651,487. 1 Claim. (Cl. 212-89.)



A hauling and slack puller line swivel attachment embodying two swivel members interposed in the hauling line, an elongated link member connecting said two swivel members, a chain pivotally attached to said link member, and another swivel member attached to said chain.

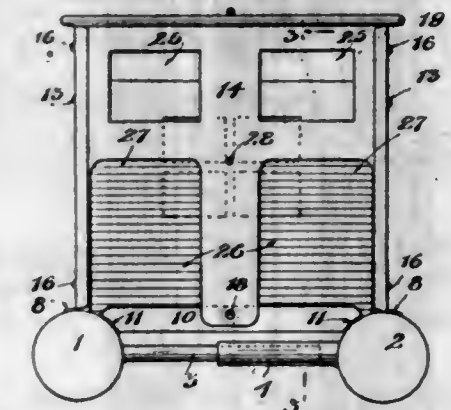
1,511,797. SAW GUARD. FRANK E. BEUGHOFF, Rochester, N. Y. Filed Feb. 15, 1924. Serial No. 692,952. 11 Claims. (Cl. 143-159.)



1. A saw guard comprising a support, and a plurality of independent depending guard sections loosely mount-

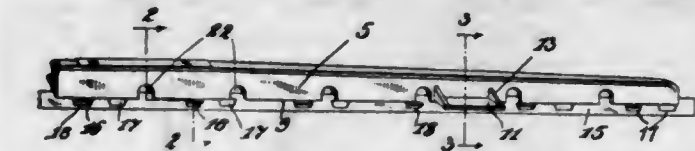
ed on the support and capable of independent vertical bodily movement thereon, and means for maintaining their relative position longitudinally of the support.

1,511,798. FLOATING TOY. JOSEPH BRESLOVE, Pittsburgh, Pa., assignor to The Cleco Corporation, New York, N. Y., a Corporation of New York. Filed June 29, 1923. Serial No. 648,438. 3 Claims. (46-37.)



1. A toy comprising a pair of separated and independent floats, a telescopic brace connecting the same, a plurality of separable plates, means for detachably joining the edges of said plates together to form the same into an enclosure, a flange on each of said floats and means for detachably connecting parts of the enclosure to said flanges.

1,511,799. SETTING TOOL FOR PATTERN AND GUIDE STRIPS. SEWARD HOMER CALKINS, New York, N. Y., assignor to Traitel Marble Company, Long Island City, N. Y., a Corporation of New York. Filed Jan. 30, 1922. Serial No. 532,749. 8 Claims. (Cl. 94-51.)

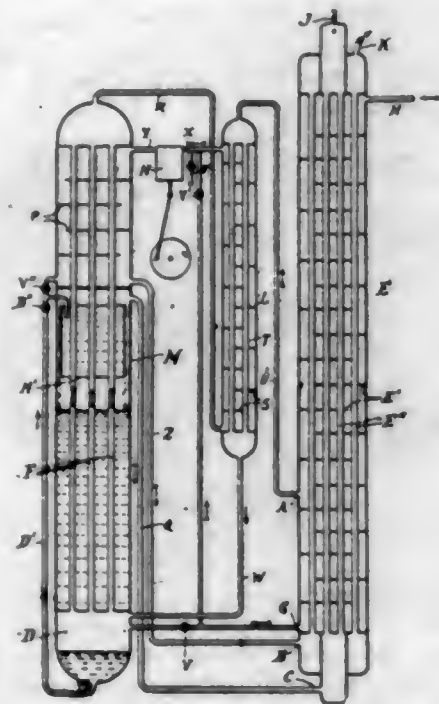


1. For use in connection with a pattern and guide strip, a setting tool comprising a body bar having a flange projecting transversely from one side thereof and adjacent to one longitudinal edge of the bar, said bar being provided with a longitudinally extending kerf opening upon the said edge thereof and adapted to receive a portion of the metallic pattern and guide strip, and press it into the plastic material, said flange being adapted to engage the surface of plastic material and act as a stop, the edge of the bar at each side of said kerf providing means for tamping the plastic material on opposite sides of said strip.

1,511,800. MANUFACTURE OF HYDROGEN BY PARTIAL LIQUEFACTION OF GASEOUS MIXTURES. GEORGES CLAUDE, Paris, France, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude), Paris, France. Filed Feb. 9, 1922. Serial No. 535,191. 15 Claims. (Cl. 183-115.)

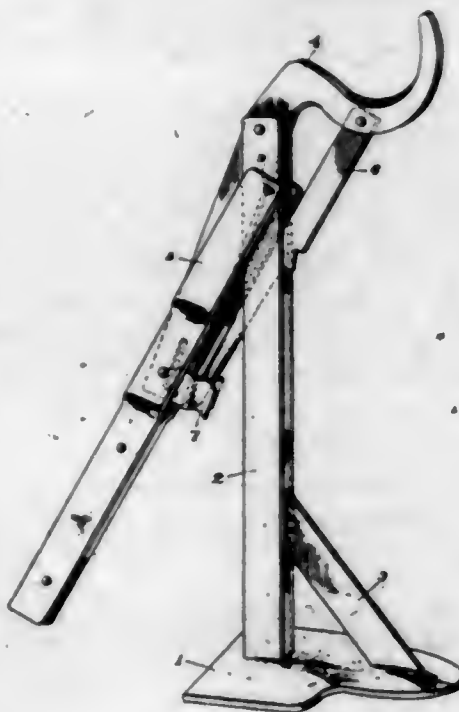
1. A process for the manufacture of hydrogen by partial liquefaction of mixtures of gases containing the same, such as water gas, ordinary illuminating gas, or coke oven gas, in which the fraction of the compressed gases utilized for feeding the liquefier, wherein the compressed hydrogen is heated prior to its expansion with production of external work, is withdrawn from the temperature exchanger or exchangers at a point located at such a distance from the cold end of said exchanger or exchangers that the temperature attained by the hydrogen immediately before subjecting it to expansion is raised to the maximum degree compatible with the low

temperature after expansion necessary to ensure purity of the hydrogen, and the cold hydrogen after expansion is circulated in heat-exchanging relation with the residual



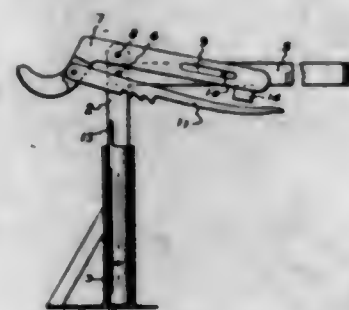
gas resulting from partial liquefaction of the gaseous mixture to ensure maximum separation of impurities from the hydrogen in the residual gas.

1,511,801. JACK OR LIFTING DEVICE. CHARLES W. COCHRAN, Wichita Falls, Tex., assignor to Superior Auto Jack Co., Turley, Okla. Filed Mar. 1, 1923. Serial No. 622,119. 3 Claims. (Cl. 254-120.)



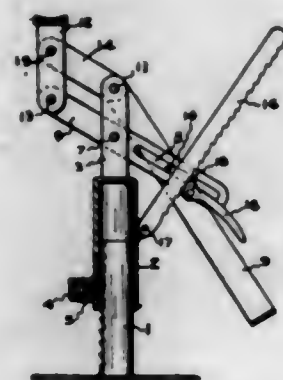
3. A standard, a lifting member pivoted intermediate its ends near the top thereof having a hook shaped member on one end thereof and a longitudinal aperture on the opposite end thereof, an operating lever pivoted to said standard having a pin disposed transversely therethrough in association with the longitudinal aperture in said lifting member, a ratchet member pivoted to said hook shaped member having ratchet association with said standard and means for releasing said ratchet member attached to said operating lever.

1,511,802. JACK. JESSE W. COMBS and CHARLES W. COCHRAN, Wichita Falls, Tex., assignors, by direct and mesne assignments, to Superior Auto Jack Co., Turley, Okla. Filed Feb. 19, 1923. Serial No. 620,074. 2 Claims. (Cl. 254-134.)



1. A jack of the character described, the combination of an adjustable pedestal, a lifting member pivoted intermediate its ends to the top of said pedestal, said lifting member having a longitudinal aperture in one end thereof, a handle pivoted to said pedestal below said lifting member, having a transversely disposed member in association with the longitudinal aperture of said lifting member, a locking member having a plurality of notched teeth thereon pivoted to said lifting member, a member disposed in said pedestal for association with the teeth on said locking member and means for automatically releasing said locking member.

1,511,803. QUICK-ACTING JACK. JESSE W. COMBS and CHARLES W. COCHRAN, Wichita Falls, Tex., assignors, by direct and mesne assignments, to Superior Auto Jack Co., Turley, Okla. Filed Feb. 19, 1923. Serial No. 620,075. 3 Claims. (Cl. 254-123.)

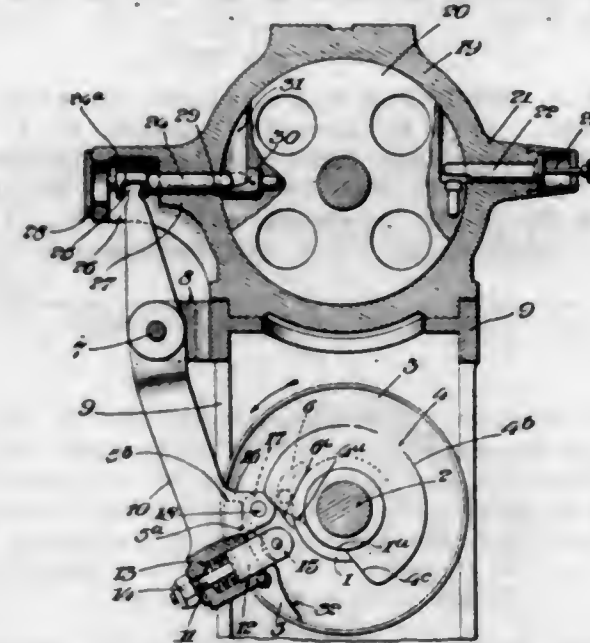


3. In combination, an adjustable standard, a lifting block, a clevis pivotally connected to said lifting block and said standard, a lever centrally pivoted to said standard having a longitudinal aperture in one end thereof and the end opposite said apertured end pivoted to said lifting block, an operating lever pivoted to said standard having a member disposed transversely thereof in association with the longitudinal aperture in said apertured lever, a ratchet member pivoted to said standard, a ratchet operating lever pivoted to said operating lever in association with said ratchet member.

1,511,804. LOCKING MECHANISM FOR CYLINDERS OR THE LIKE. ALFRED E. DRISSNER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 1, 1923. Serial No. 636,025. 22 Claims. (Cl. 29-50.)

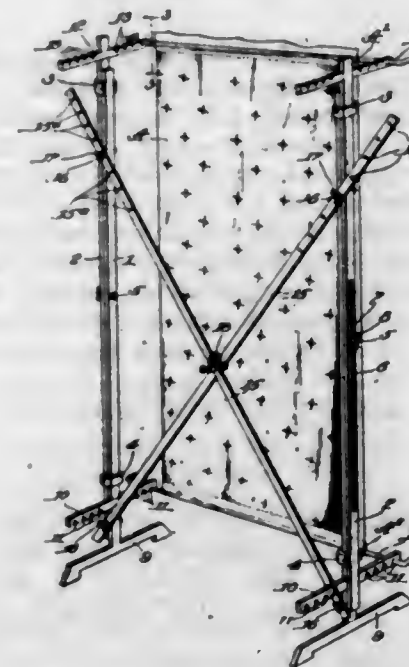
1. Locking mechanism for cylinders or the like comprising the combination of a lock member adapted to cooperate with the cylinder, means for shifting said mem-

ber out of locking position to permit the cylinder to be indexed, cam means for shifting said member into par-



tial locking position to stop the rotation of the cylinder, and means for shifting said member into position to absorb the vibration or recoil of the cylinder.

1,511,805. CURTAIN FRAME. ETHEL B. DUNBAR, Ekhorn, Wis. Filed Mar. 1, 1922. Serial No. 540,093. 7 Claims. (Cl. 45-24.)

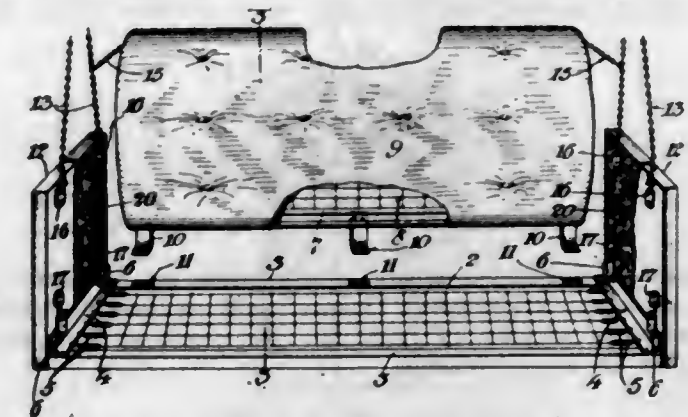


1. A frame comprising a pair of standards each formed with a base or foot and each supporting a lower cross arm and upper cross arm, each cross arm extending transversely of the common plane of the standards, and means connecting said standards in spaced relation with their respective cross arms extending in substantially parallel planes, the upper surfaces of the upper cross arms and the lower surfaces of the lower cross arms being adapted to receive a plurality of rods extending in spaced relation to each other from the cross arms of one standard to those of the other for engaging the upper and lower portions of a curtain or other fabric.

1,511,806. HAMMOCK. BENJAMIN B. ENGLANDER, Brooklyn, N. Y., assignor to Englander Spring Bed Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,146. 7 Claims. (Cl. 5-124.)

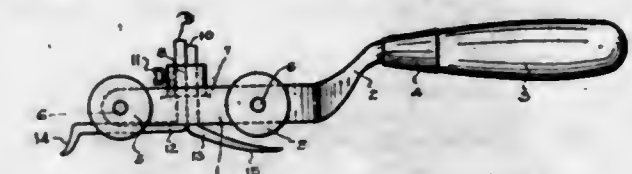
1. A couch bed formed hammock comprising a seat frame adapted to support a cushioned seat, substantially

solid ends detachably hook-connected to the ends of the seat frame above the plane of said frame whereby the ends overlap the ends of the seat frame and of a height



to have an upper portion in position to form arm rests, and suspension means connected to said ends for supporting the hammock.

1,511,807. BRICKMASON'S TOOL. JAMES M. GARNER and CARVER C. CLARK, Holt, Ala. Filed Apr. 17, 1922. Serial No. 553,703. 1 Claim. (Cl. 72-138.)



A device of the character described, comprising a frame having at one end a handle, a pair of wheels mounted on each side of the frame, a cross member connecting the sides of the frame substantially midway between the front and rear pair of wheels, a socket on said cross member set at right angles to the frame, interchangeable mortar cutting and trowelling tools having elongated angled shanks adapted to be received in said socket, and means to clamp said shanks in desired adjusted position in the socket.

1,511,808. MODIFIED MILK AND PROCESS FOR MAKING THE SAME. GEORGE GRINDROD, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Oconomowoc, Wis., a Corporation of Delaware. Filed Jan. 17, 1920. Serial No. 352,184. 10 Claims. (Cl. 99-11.)

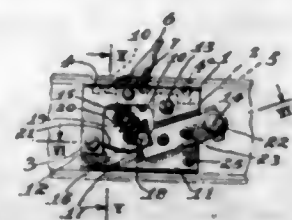
9. A modified milk product having the relative proportions of fat, protein and lactose of human milk, condensed and sterilized, and in which the colloidal aggregate and the serum are of substantially the same specific gravity so as to form a stable suspension of the colloidal aggregate in the serum.

10. The process of making a condensed milk which consists in condensing milk having substantially the same relative proportion of fat, protein, and lactose as human milk to a point of stable suspension in which the colloidal aggregate and the serum of the milk are in substantial equilibrium, homogenizing and then sterilizing the same.

1,511,809. SNAP SWITCH. MONROE GUETT, Hartford, Conn., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Apr. 21, 1922. Serial No. 555,906. 13 Claims. (Cl. 200-67.)

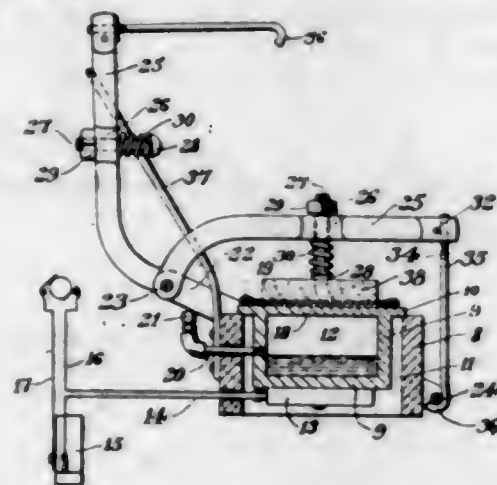
1. A snap switch comprising a frame part formed of a flat metal blank bent longitudinally to form a narrow attachment base with opposite side portions, an insulating frame piece comprising longitudinal layers and connected to said side portions and therewith forming a narrow frame structure of greater length than depth and of greater depth than thickness, a connector element disposed transversely of said structure and mounted for

snap movement longitudinally of said structure, and terminal contact members mounted on the outside layers on opposite longitudinal sides of said insulating frame



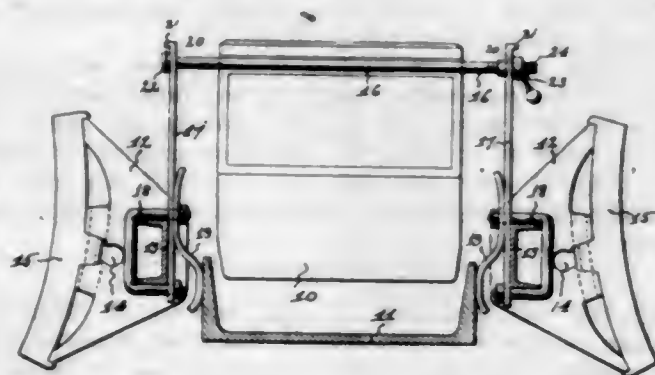
piece by transverse rivets whose heads are received in recesses in intermediate layers, said contact members conjointly serving to limit the movement of said connector in one direction.

1,511,810. VULCANIZER. WILLIAM A. GWYNN, St. Louis, Mo., assignor to Susie E. Gwynn, St. Louis, Mo. Filed Nov. 5, 1920. Serial No. 421,816. 6 Claims. (Cl. 18-18.)



1. In a vulcanizing machine, in combination with a casing substantially non-conductive of heat, a hollow vulcanizing body mounted in and supported by said casing and adapted to contain a fluid to be heated, a clamp holder mounted on said casing out of contact with said vulcanizing body, and clamping members for the article to be vulcanized mounted on said holder for clamping the article to be vulcanized against the surface of said vulcanizing body.

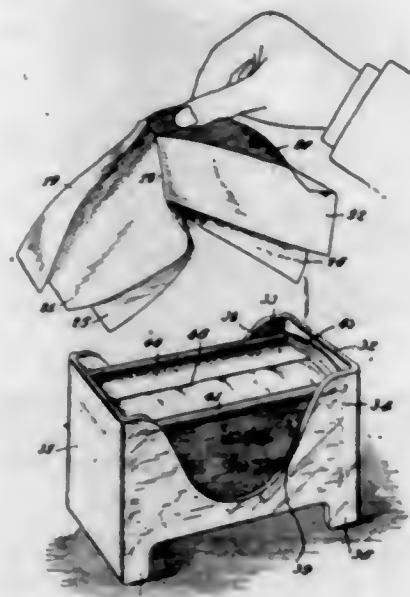
1,511,811. BRAKE-BEAM SUPPORT. BRODERICK HASKELL, Franklin, Pa. Filed Mar. 14, 1923. Serial No. 624,942. 9 Claims. (Cl. 188-209.)



5. A car truck comprising a spring plank, a truck bolster above said spring plank, a combined balancing and alignment tie rod arranged above and transversely of said truck bolster, a brake beam provided with brake shoes and arranged on each side of the truck bolster, an upright rod on each side of said bolster and secured at its lower end to a brake beam and abutting at its upper end against an outer end of said combined balancing and alignment tie rod, a stop interposed between

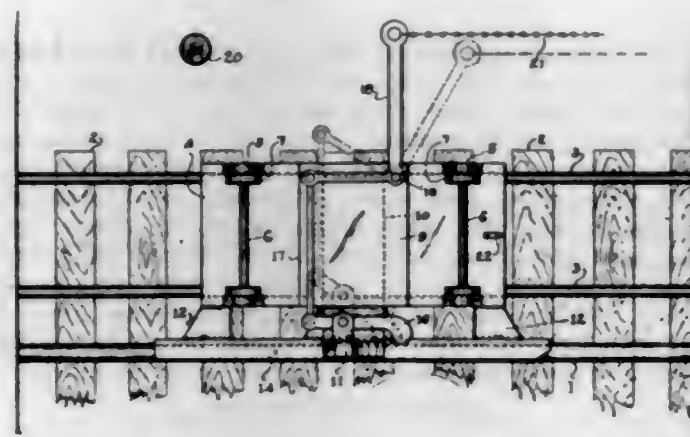
the lower end of said upright rod and spring plank, and means for adjusting the distance between the upper ends or points of abutment of said vertical rods with said tie rods.

1,511,812. DISPENSER FOR NAPKINS AND LIKE ARTICLES. PAUL H. HORWITT, Brooklyn, N. Y., assignor to Independent Paper Mills Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 21, 1923. Serial No. 652,941. 4 Claims. (Cl. 211-29.)



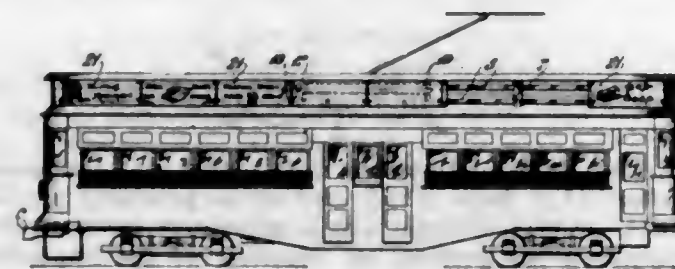
1. In a device for dispensing paper napkins, towels and like articles, a body member adapted to receive a package of superimposed articles each folded from a sheet of material into a plurality of substantially co-extensive centrally disposed sections, and an end section which is outermost and non-coextensive with the other sections, and members extending interiorly along opposite sides of the body member and adapted normally to rest upon the oppositely folded edge portions of the said folded articles, the space between the said members being entirely open within the body member leaving the edge of the non-coextensive section of the outermost folded article entirely free to be grasped for removing the same.

1,511,813. FRICTION CHOCK FOR CARS. LEE B. INGRAM, Lovick, Ala., assignor of one-half to J. W. Stephenson, Lovick, Ala. Filed Feb. 25, 1922. Serial No. 539,232. 11 Claims. (Cl. 188-36.)



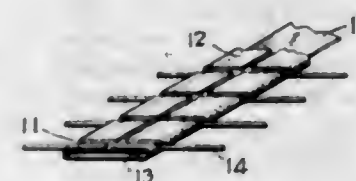
1. A friction car stop comprising a fraction bar adapted to slide in engagement with a car track rail, and a laterally movable chock connected to said bar and adapted in operative position to arrest a car with a wheel thereof resting on said bar.

1,511,814. ADVERTISING DEVICE FOR CARS AND OTHER VEHICLES. FANNY F. LEWIS, Philadelphia, Pa. Filed Jan. 16, 1923. Serial No. 613,015. 6 Claims. (Cl. 40-32.)



1. In an advertising device of the character stated, a continuous endless travelling frame adapted to carry advertisements, the same being composed of brackets with projections thereon, gearing which is adapted to engage said projections at intervals, and means for operating said gearing.

1,511,815. CAGE STRUCTURE. BERNARD MARKOW, New York, N. Y. Filed May 6, 1924. Serial No. 711,321. 3 Claims. (Cl. 245-2.)



2. In a cage structure, an outer strip comprising a flat outer portion, spaced flat tongues integral with and bent parallel to said outer portion, a series of bars of substantially circular cross-section disposed in the spaces between said tongues and in contact with the inner flat face of said outer portion, and a flat inner strip contacting only with substantially a single element of each of said bars disposed between said tongues and said bars, held in place by the pressure of said tongues, and frictionally holding said bars in place.

1,511,816. TRANSFER AND TRANSFER INK. TROWBRIDGE MARSTON, Morristown, N. J., and WINTHROP STANLEY LAWRENCE, Brooklyn, N. Y., assignors to Kaumagraph Co., New York, N. Y., a Corporation of New York. Filed Apr. 7, 1923. Serial No. 630,643. 6 Claims. (Cl. 134-28.)

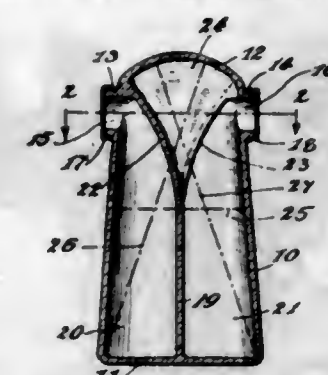
1. A transfer made of paper or the like and having a fusible ink including a substantially neutral vehicle and coloring matter, the said ink being adapted to be released from said transfer and form a marking upon an object in contact therewith, when said transfer is subjected to heat and pressure.

6. A method of making a stable and substantially neutral transfer ink which consists in melting a substantially neutral resin and then adding boiled linseed oil, mineral oil, a drier, and the coloring matter and then stirring the mixture until it is homogeneous.

1,511,817. RECEPTACLE. GEORGE F. MONTAGUE, New York, N. Y. Filed Sept. 8, 1923. Serial No. 661,546. 7 Claims. (Cl. 65-45.)

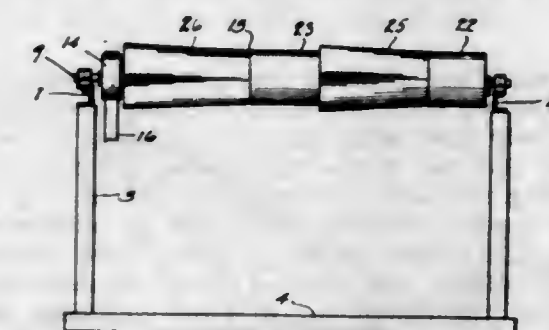
1. A receptacle of the class described comprising a body member, a partition wall extending interiorly across the body member and for an appreciable distance from one end thereof, a second partition wall extending across the body member at the other end thereof transversely and at substantially right angles to the aforesaid partition wall, and inclined partition walls extend-

ing from and forming continuations of the first aforesaid partition wall and connecting the same with the second aforesaid partition wall to divide the interior of the body member into compartments and to form a



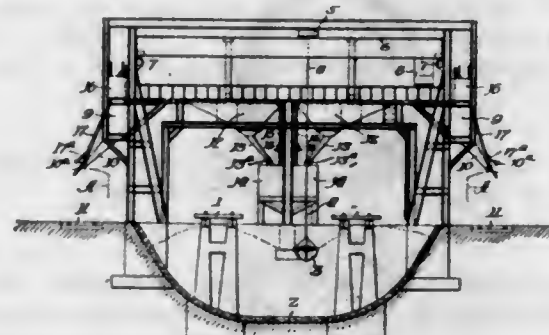
pocket forming part of each compartment and into which material in one compartment is adapted to flow when material from another compartment is dispensed from its own compartment.

1,511,818. VEHICLE TESTING MECHANISM. LELAND S. MOORE, Tacoma, Wash. Filed May 20, 1922. Serial No. 562,439. 3 Claims. (Cl. 73-56.)



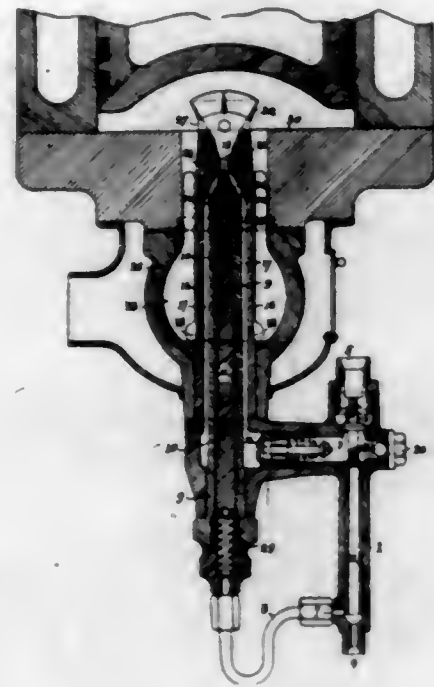
1. A vehicle testing device of the class described, comprising a frame structure, rollers having surfaces that vary radially with varying longitudinal positions, mounted within the frame in spaced relation, upon which a vehicle may be supported, and means associated with the rear roller for revolving the forward rollers whereby a varying degree of vibration can be produced under the control of the steering mechanism of said vehicle.

1,511,819. LOCOMOTIVE TERMINAL COALING AND SANDING STATION. SPENCER OTIS, Chicago, Ill. Filed June 5, 1922. Serial No. 565,975. 1 Claim. (Cl. 214-1.)



In a locomotive supply station, a sub-surface bulk storage space, surface level trackage adapted to receive rolling stock in position to deliver by gravity into said space, a locomotive charging track adjacent said space, elevated charging receptacles adapted to deliver material to locomotives occupying said charging track, an elevating means selectively operable to transfer material from the bulk storage space to the respective charging receptacles, storage tanks for sand also adapted to be charged by said elevating means, and delivery sand tanks supplied from said storage sand tanks.

1,511,820. FUEL ATOMIZER AND VAPORIZER. FRANÇOIS ROCHEFORT, Paris, France. Filed Mar. 25, 1922. Serial No. 546,911. 6 Claims. (Cl. 158—73.)



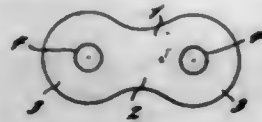
1. A liquid fuel atomizer and vaporizer comprising a central heating body, an injector casing enclosing said heating body and being spaced therefrom, an injector nozzle at the end of the said casing, an outer casing surrounding the said injector casing and forming therewith an annular chamber, a cylinder in communication with the said injector casing, a piston valve movable in the said cylinder and adapted to be operated by the pressure of the liquid fuel to admit the same to the said injector casing, an air-inlet valve moving with the said piston-valve, so as to admit proportionally to the amount of fuel injected into said injector casing compressed air into the said annular chamber, the compressed air forming a mixture with the heated atomized fuel in the said injector nozzle and carrying the fuel along with it.

1,511,821. CHOPPED-NUT DISPENSER. FRANK J. ARADO, Chicago, Ill., assignor to The United Fig & Date Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 19, 1923. Serial No. 619,911. 9 Claims. (Cl. 221—104.)



1. A dispensing appliance comprising a container, a measuring member having a chambered portion reciprocable into and out of the container, an agitator movably mounted on the measuring member and engaging the bore of the receptacle so as to be moved about its mounting upon movement of the measuring member, and a mounting for the receptacle and measuring member, the said mounting being arranged to permit the receptacle to be rotated with respect to the measuring member so as to cause the agitating member to scrape the inner surface of the receptacle.

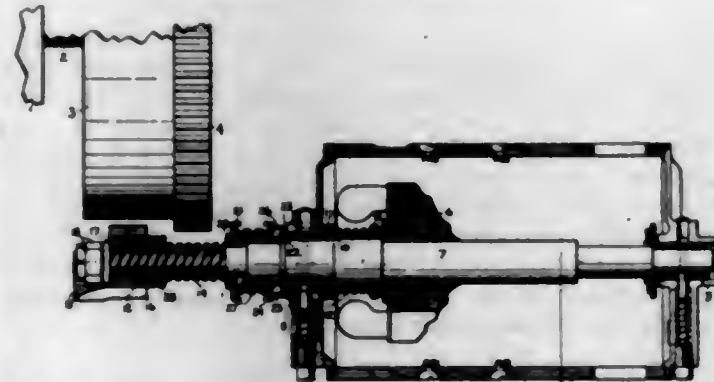
1,511,822. DRIVE CHAIN AND METHOD OF MAKING THE SAME. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Nov. 1, 1921. Serial No. 512,052. 11 Claims. (Cl. 59—35.)



1. The method of uniting side plates and transverse members of a chain, which consists in providing a plate with a circular opening, and a transverse member with a polyfaced end portion, the diameter of the transverse member between opposite faces being substantially equal to the diameter of said opening, and forcing said polyfaced portion into said opening under sufficient pressure to cause the wall of said opening to conform to the said polyfaced portion.

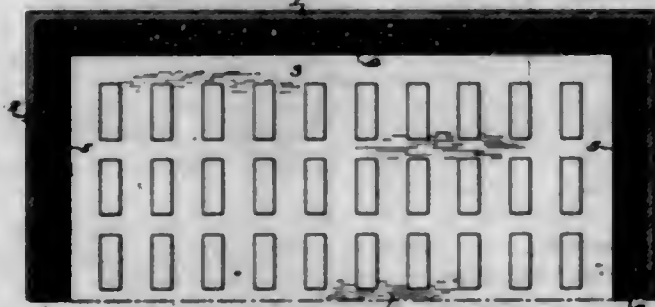
7. The method of uniting side plates and transverse members of a chain, which consists in providing a plate with an opening, and a transverse member with a polyfaced end portion, and forcing said polyfaced portion into said opening under sufficient pressure to cause said transverse member to be held therein, and riveting over the end of said transverse member.

1,511,823. ENGINE-STARTING APPARATUS. JOSEPH BIJUR, New York, N. Y., assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y., a Corporation of New York. Filed Jan. 18, 1916. Serial No. 72,676. Renewed Apr. 22, 1920. Serial No. 375,907. 5 Claims. (Cl. 74—7.)



1. In apparatus of the character described, in combination, a motor, a threaded shaft driven from said motor, a pinion loosely threaded upon said shaft, a gear, a spiral compression spring mounted in position to be compressed by said pinion and thereby limit the movement of the same along said shaft, and so mounted as to permit relative rotation of its ends during compression, said shaft being mounted for slight longitudinal movement, should butting of teeth occur, to relieve this condition.

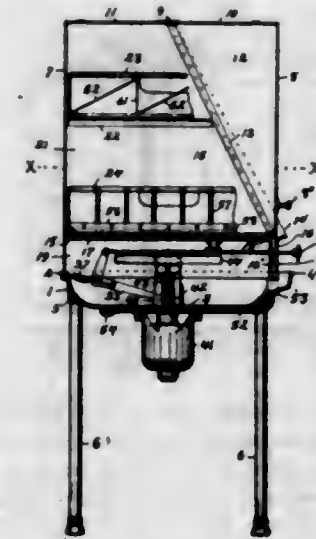
1,511,824. METHOD OF PRESERVING PISCATORIAL PRODUCTS. CLARENCE BIRDSEYE, Yorktown Heights, N. Y. Filed Apr. 18, 1924. Serial No. 707,407. 4 Claims. (Cl. 99—14.)



1. The process, which consists in cleaning, and dressing fish ready to cook, packing it in forms to provide independent units, immersing said forms in a refriger-

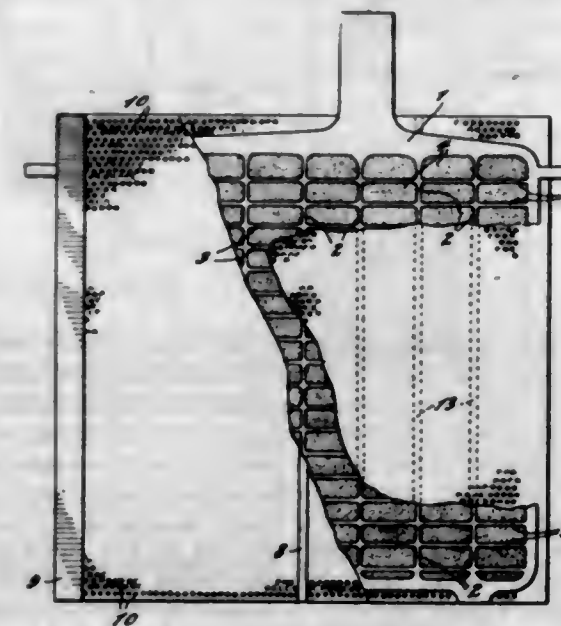
ating medium to solidify said units, withdrawing said forms from said medium after their contents have become frozen, removing said frozen units as individual blocks, wrapping said blocks, and packing said blocks in heat-insulated containers for shipping.

1,511,825. DISHWASHER. WALTER G. BURNS, Fort Wayne, Ind. Filed Aug. 4, 1919. Serial No. 315,119. 7 Claims. (Cl. 141—9.)



1. In a dish washer, a housing having a washing chamber and also means at its base adapted to contain liquid; a fan operable above the level of liquid for causing circulation of the air within the housing; and means for raising the liquid into the air thus circulated.

1,511,826. STORAGE BATTERY. RUFUS N. CHAMBERLAIN, Chicago, Ill., assignor to Gould Storage Battery Co., New York, N. Y., a Corporation of New York. Filed Dec. 12, 1923. Serial No. 680,116. 2 Claims. (Cl. 204—29.)



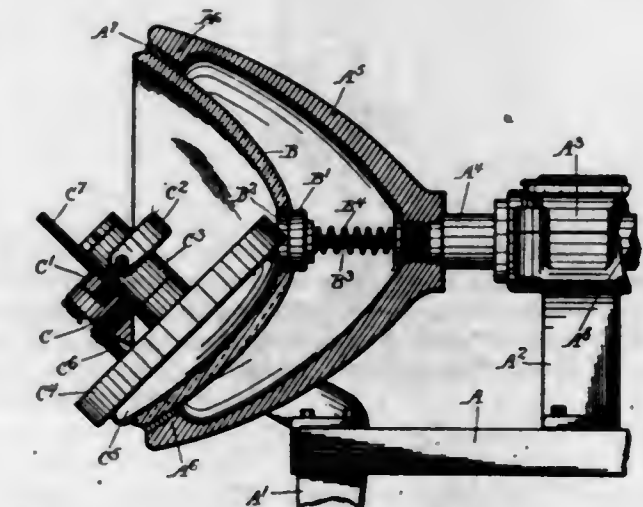
2. The combination with positive and negative storage battery plates having vertical ribs thereon of duplex separators between said plates and comprising an acid resistant member provided with wide vertical ribs at its edges and a narrower rib near its center and a wood member having ribs between the ribs on the acid resistant member all of said ribs being so placed as to coincide with the ribs on the plates and leaving the space free between the ribs on the plates.

1,511,827. MOUNTING FOR HOLLOW NEEDLES AND THE LIKE. HARRIS COMER, Cynwyd, Pa. Filed Oct. 29, 1921. Serial No. 511,387. 1 Claim. (Cl. 128—221.)



The combination of a shank of transparent material having a substantial chamber, a hypodermic needle hermetically sealed into said shank with the channel of the needle in communication with said chamber, a flexible hollow member connected at one end to the shank and a vacuum ampoule connected to the other end of said member, and having a breakable tip extending into said member.

1,511,828. GLASS-POLISHING MACHINE AND HOLDING CHUCK. CHARLES W. DAKS, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 2, 1922. Serial No. 591,782. 8 Claims. (Cl. 51—131.)



1. A pneumatic chuck for holding reflector bowls and the like comprising a cup adapted to enclose the work, a packing element interposed between the mouth of the cup and the work, yielding means carried by the cup for closing an aperture in the work, a fluid conductor element adapted to be connected to an exhausting means, and having a fluid passage connecting with the cup.

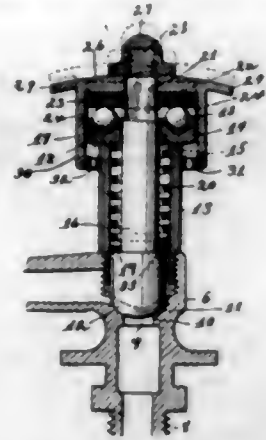
1,511,829. METHOD OF MAKING METALLIC BERYLLIUM. SHELDON J. DICKINSON, Dundee, Ill. Filed Oct. 1, 1921. Serial No. 504,770. 19 Claims. (Cl. 200—19.)

1. The method of producing metallic beryllium which consists in subjecting a beryllium salt to electrolysis at a temperature greater than 1285° C.

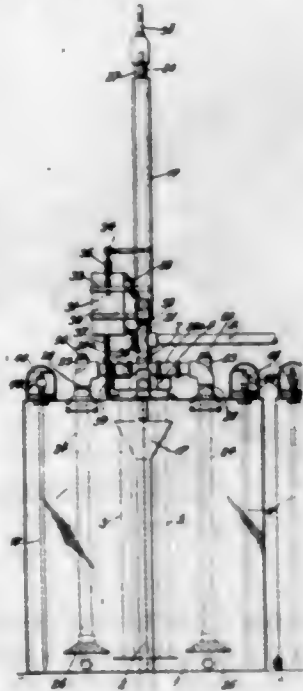
1,511,830. VALVE. RICHARD T. FOLEY, Ridgefield Park, N. J. Filed Feb. 12, 1924. Serial No. 692,289. 3 Claims. (Cl. 251—132.)

1. A valve comprising a body having a valve seat, a casing separably mounted on said body in axial alignment with said seat, and having a head, a valve plug having a stem extending through said head, a series of balls loosely seated in cavities in said head, a disk having depressions receiving the protruding portions of said balls,

said disk arranged to ride upon said balls and lift said plug by a turning movement of said stem, said balls being retained against movement from their positions during the movement of said disk, and a cap secured to said stem to turn and to rise and sink therewith and inclosing said disk and head.

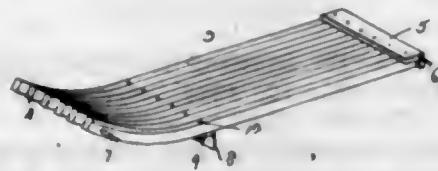


1,511,831. OIL-FILTRATION DEVICE. JOHN L. FORCE, St. Louis, Mo., assignor of one-half to D. R. Francis, Jr., L. R. Carter, and W. H. Henby, all of St. Louis, Mo. Filed Oct. 31, 1923. Serial No. 671,895. 27 Claims. (Cl. 210-49.)



1. An oil filtration device, comprising a receptacle arranged to be filled entirely with liquid to the exclusion of air therefrom, a pipe for admitting oil into the receptacle and the liquid therein near the bottom thereof, a pipe opening into the top of the receptacle for conducting the oil therefrom, and means automatically and alternately admitting oil and another liquid into said receptacle.

1,511,832. THRASHING-MACHINE GRATE. JAMES P. HENDERSON, Rochelle, Ill. Filed Mar. 25, 1920. Serial No. 368,504. 1 Claim. (Cl. 130-27.)



A grate for thrashing machines comprising a plurality of parallel bars, one end of each of said bars being curved upward, a cross head secured to said bars at the end opposite the curved portions, said cross head

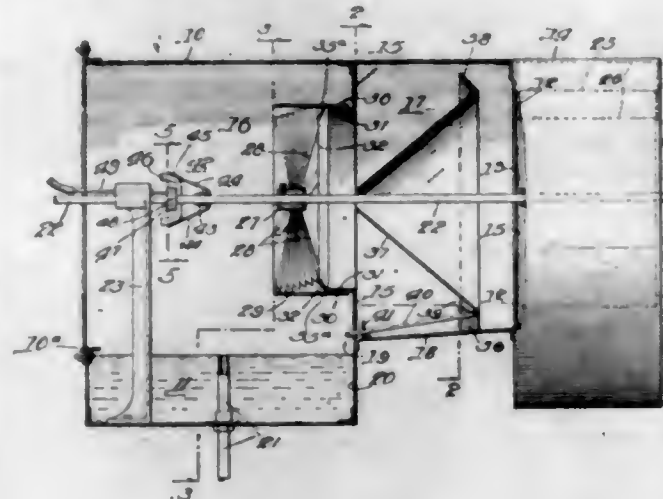
carrying means for connection with a concave, a single cross strip secured to the undersides of said bars in the region of their curved ends and an apron depending from said cross strip.

1,511,833. COMPOSITE POPPET VALVE AND PROCESS OF MAKING THE SAME. ROBERT JARDINE, Chicago, Ill., assignor to Rich Tool Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 13, 1922. Serial No. 587,994. 8 Claims. (Cl. 251-27.)



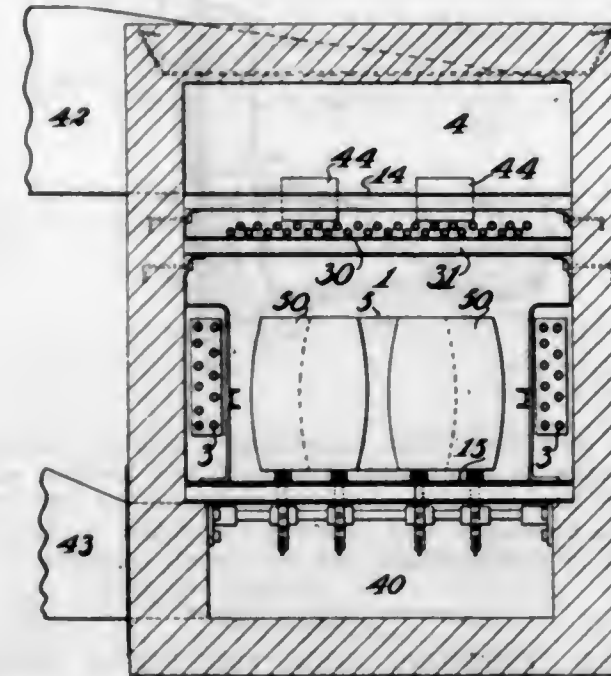
3. A composite poppet valve comprising, in combination, an integrally formed head and stem with an enlargement on the stem under the head, and a rim having in-stand flanges extending over and under the head, the flange extending under the head being firmly gripped between the underside of the head and the said enlargement on the stem.

1,511,834. AIR WASHER. NICHOLAS C. MARIEN, Chicago, Ill. Filed Nov. 3, 1923. Serial No. 672,404. 2 Claims. (Cl. 183-77.)



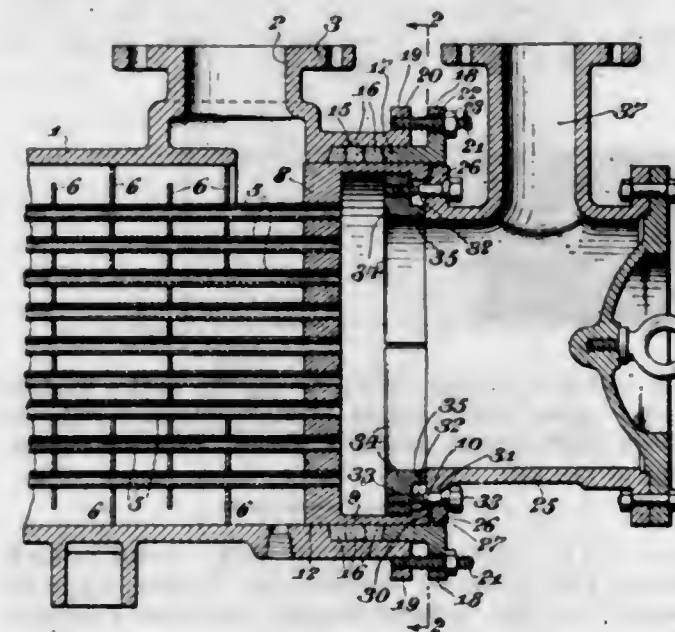
1. An air washer including in combination with a casing, rotatable shaft located longitudinally therein, an eliminator wheel mounted on and to rotate with said shaft within said casing said wheel comprising a plurality of spaced radial blades each set at an angle to its axis and provided with a peripheral rim connecting the outer ends of said blades, the said rim having a plurality of spaced openings arranged in a row at the outer end of each of said blades, said openings being of sufficient size as to each afford outlets on opposite sides of each of said blades, a plurality of spaced fins longitudinally mounted on each surface of each of said blades and connected at their outer ends to the inner surface of said rim, the said fins being disposed at acute angles in the direction of the rotation of the wheel with respect to their blades and connected to the same in pairs at the rear portion of each of said openings in the rim, and a forwardly inclined annular cleat or baffle member secured to the inner surface of said rim at the rear outer portions of said blades, said rim having a series of spaced openings at the adjacent edge of said baffle.

1,511,835. BARREL-DRYING KILN. MORITZ L. MUELLER, Seattle, Wash., assignor of one-half to Herbert Fryer, Seattle, Wash., and one-half to Northwest Blower Kilm Co., Seattle, Wash., a Corporation of Washington. Filed May 1, 1922. Serial No. 557,636. 9 Claims. (Cl. 34-12.)



8. A dry kiln for barrel bodies comprising a drying chamber, a receiving and discharging chamber at opposite ends of the drying chamber, swinging doors connecting said receiving and discharging chambers with the drying chamber, barrel conveyors extending through the drying chamber and into each of the receiving and discharging chambers, doors closing the outer ends of said receiving and discharging chambers and means for producing circulation of air across the drying chamber in the direction of the axes of the barrels being passed therethrough.

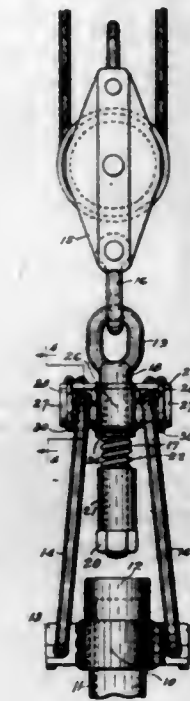
1,511,836. HEAT-EXCHANGE APPARATUS. KARL MUELLEISEN, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 4, 1922. Serial No. 604,669. 7 Claims. (Cl. 257-225.)



1. In heat exchange apparatus, the combination of a tube-plate having a forwardly extending flange which terminates at its forward edge in an inwardly extending flange, a header having a flange, the outer edge portion of

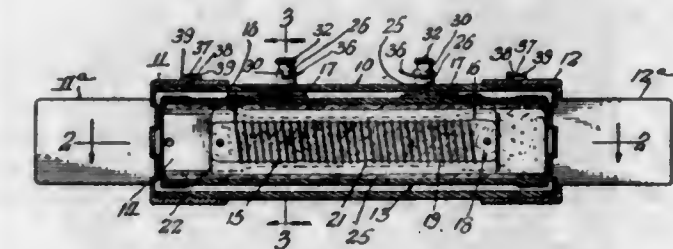
which is adapted to contact with the forward edge of the first named flange, a clamping member comprising a plurality of sections the outer edges of which are situated underneath the said inwardly extending flange, and means for clamping the latter flange between the said clamping member and the flange on said header.

1,511,837. BLOCK AND ELEVATOR CONNECTER. LORAN E. NEBERGALL, Denver, Colo. Filed Aug. 22, 1924. Serial No. 733,637. 6 Claims. (Cl. 294-90.)



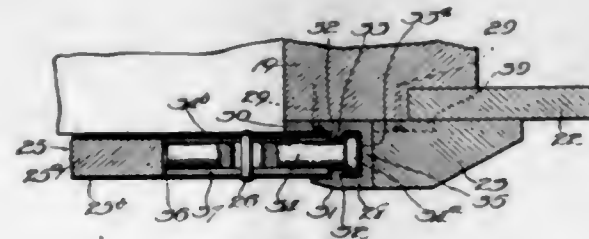
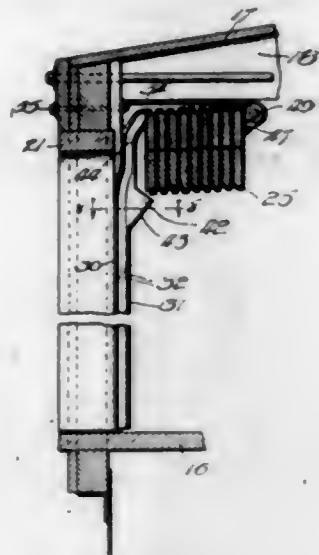
1. A block and elevator connector, comprising a cylindrical stem having a head and eye at the upper portion thereof, a yoke disposed rotatably about said stem and having laterally extending lugs provided with link-receiving grooves, and means on the lower portion of the stem for sustaining said yoke.

1,511,838. ELECTRIC FUSE. ELMER L. OGLE, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1921. Serial No. 511,862. 3 Claims. (Cl. 219-63.)



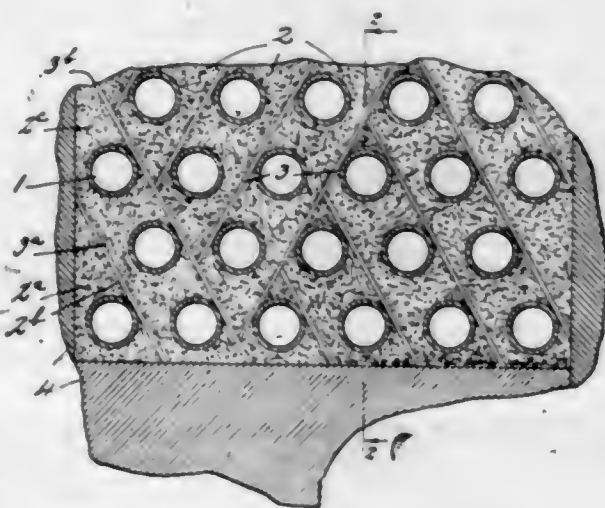
1. In combination with the tubular body of a fuse cartridge having a plurality of terminals in the wall thereof, a fusible element in said body comprising two longitudinally extending, spaced parallel bars, a heating element arranged between said fusible bars and comprising a core of insulation material, a heating coil of wire wound upon said core with its ends attached to said terminals, plates of insulation material between which said core is engaged and held, said plates projecting at both sides beyond said core to engage the interior part of said tubular body so as to be held in position thereby, and means for attaching said plates and core together at points beyond the end loops of the heating coil.

1,511,839. GRAIN DOOR. EDWARD POSSON, Chicago, Ill., assignor of one-half to Frederick C. Maegly, Chicago, Ill. Filed May 16, 1919. Serial No. 297,537. 6 Claims. (Cl. 20-32.)



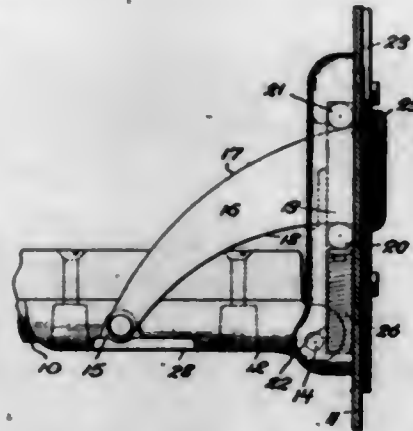
1. The combination in a railway car, of a wall having a door opening therein, guideways along the opposite edges of said door opening, a plurality of complementary door sections, and lugs engaging said guideways and movably mounted on said door sections for longitudinal travel in the planes of the door sections.

1,511,840. BOILER MOUNTING. JOSEPH W. PUTNAM, East Orange, N. J. Filed Oct. 21, 1922. Serial No. 596,005. 4 Claims. (Cl. 110-97.)



1. The process of building a baffle wall, devoid of pre-formed bricks, for boiler tubes which consists in successively molding, in position with respect to the boiler tubes, independently removable wall sections of refractory material having opposing faces with mutually interlocking indentations and projections, and in interlocking with each other said molded wall sections during and by the process of molding the same.

1,511,841. DOOR MECHANISM. WILLIAM A. RANKIN, Oak Park, Ill., assignor to Edison Electric Appliance Company, Inc., a Corporation of New York. Filed Aug. 30, 1921. Serial No. 496,853. 9 Claims. (Cl. 126-191.)



1. A door mechanism comprising a resilient member, and means in engagement therewith and movable with relation thereto in response to movement of the door so as to produce a force opposing the weight of the door varying to counterbalance the door in all positions.

1,511,842. GRINDING ROLL FOR FLOUR MILLS. LUDWIG SCHMIDT, St. Louis, Mo., assignor to Essemueler Mill Furnishing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 13, 1923. Serial No. 645,169. 5 Claims. (Cl. 83-12.)



1. A cereal grinding roll having as its grinding dress, relatively short irregularly arranged grooves scratched therein and extending substantially longitudinally thereof.

1,511,843. GRINDING ROLL FOR FLOUR MILLS. LUDWIG SCHMIDT, St. Louis, Mo., assignor to Essemueler Mill Furnishing Company, St. Louis, Mo., a Corporation of Missouri. Filed May 7, 1924. Serial No. 711,697. 7 Claims. (Cl. 83-12.)

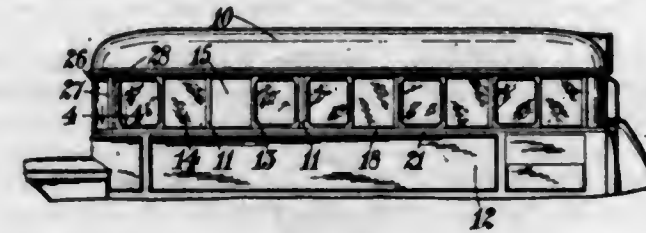


1. A roll for milling wheat having its entire surface scratched along substantially straight distinct lines of relatively short length having a general extension longitudinal of the roll.

1,511,844. ROAD VEHICLE FOR PASSENGERS. GEORGE JAMES SHAVE, Westminster, London, England, assignor to The London General Omnibus Company, Limited, London, England, a British Company. Filed Mar. 10, 1923. Serial No. 624,182. 3 Claims. (Cl. 296-103.)

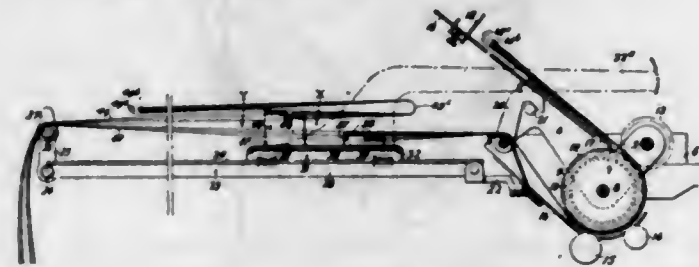
1. A two-deck road vehicle for passengers, comprising an upper deck covered in by a roof and side windows, supports for said roof and windows, a permanent rail

upon the vehicle to receive the lower edges of the supports and means for fixing said supports to said rail in such manner that the roof with certain of its supports



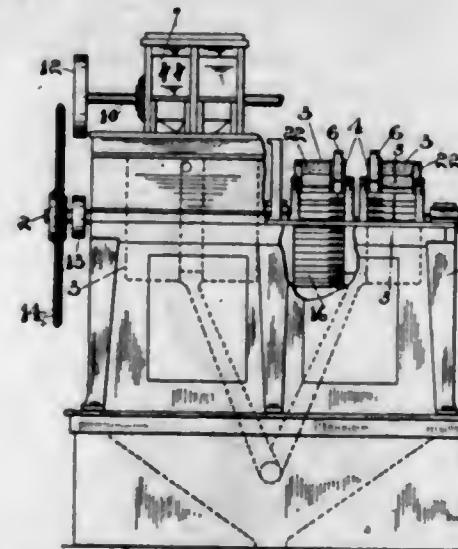
and the windows carried thereby can be removed as an entity leaving other windows and their supports in position.

1,511,845. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 31, 1923. Serial No. 654,811. 17 Claims. (Cl. 197-126.)



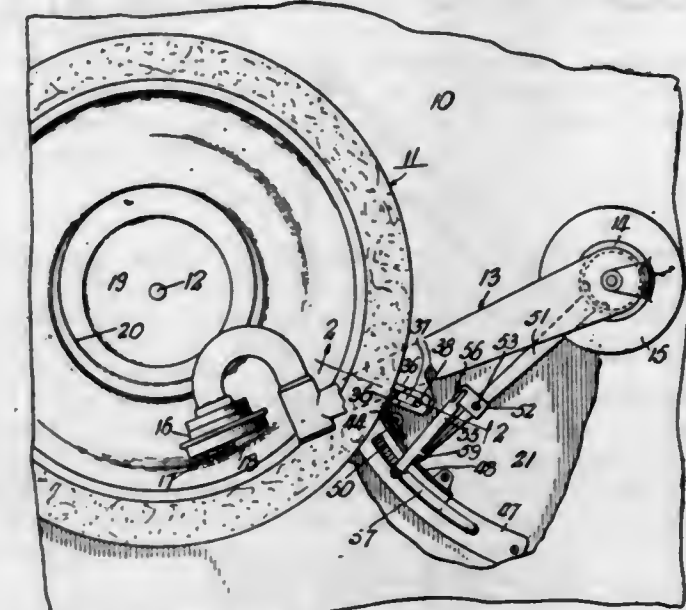
17. In a web-typing machine of the class described, the combination with a platen mounted for displacement for straightening out the sheets in a pack or a folded web, of a set of carbon-blades, a carrier therefor to shift the carbon-blades along the pack of sheets, and a second set of carbon-blades mounted upon said carrier to co-operate independently with a separate superposed pack of sheets, a pocket being provided between said sets of carbon-blades in which to insert temporarily the folded-back lower pack of sheets, when required, as set forth.

1,511,846. GROAT-CUTTING MACHINE. LOUIS E. SMITH, New Prague, Minn., assignor to Robin Hood Mills Limited, Moose Jaw, Saskatchewan, Canada. Filed June 20, 1923. Serial No. 646,530. 4 Claims. (Cl. 83-6.)



1. In a groat cutting machine, the combination of a perforated rotary cylinder having an open end; a stationary disk closing said open end of the cylinder; a plurality of stationary knives fitted closely against the external periphery of the cylinder; means for feeding groats into the cylinder; and an overflow aperture in the stationary disk.

1,511,847. AUTOMATIC STOP FOR PHONOGRAPHS. HUGO F. SPENGLER, Chicago, Ill. Filed Mar. 10, 1924. Serial No. 698,079. 8 Claims. (Cl. 192-122.)



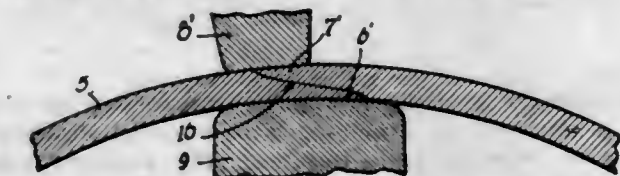
1. In a device of the kind described, the combination of a normally locked spring-pressed braking means, a horizontally swinging arm, a member adapted to be supported by and movable with said arm when swinging in one direction, said arm being adapted when moved in the other direction to release said member supported thereby, and said member being adapted to then release said normally locked braking means.

1,511,848. WALL-PAPER ROLL. EDMUND GIFFORD STAUNTON, Toronto, Ontario, Canada. Filed Oct. 8, 1923. Serial No. 667,088. 4 Claims. (Cl. 206-59.)



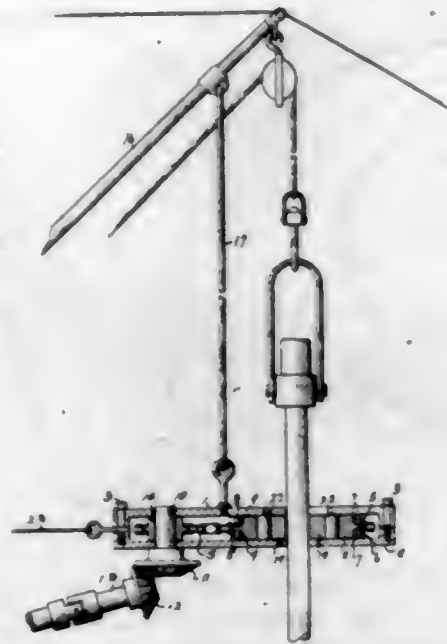
1. A roll of wall paper having a separate sample piece of paper positioned over its exposed web end; and an adhesive band extending circumferentially of the roll and securing said sample piece in place, said sample piece, when in position, having substantially all parts of its edges inclined to the axis of the roll both circumferentially and longitudinally.

1,511,849. METHOD OF WELDING TUBING. JAMES HALL TAYLOR, Chicago, Ill. Filed Jan. 21, 1922. Serial No. 530,810. 8 Claims. (Cl. 219-10.)



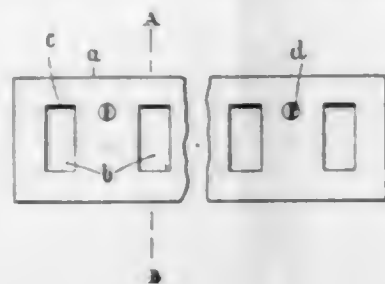
1. The method of welding tubing or the like which comprises forming a square edge lap joint between the edges of the tubing, electric seam welding this lap joint, compressing this lap joint in a subsequent step to form a scarf joint between the edges, and then welding opposing surfaces in said scarf joint.

1,511,850. MACHINE FOR SCREWING TOGETHER AND UNSCREWING PIPES AND RODS. HOMER C. THAYER, Burkburnett, Tex. Filed May 31, 1921. Serial No. 473,892. 5 Claims. (Cl. 255-35.)



1. A device of the character described, including a casing having an opening to receive a pipe, a ring-like rotary member therein, through which the pipe is adapted to extend, means for rotating said member, pipe engaging jaws carried by the casing, each jaw and the opposing face of said member being formed with arcuate notches, bearings located in the respective notches, through which the jaws are contracted around the pipe when said member is rotated.

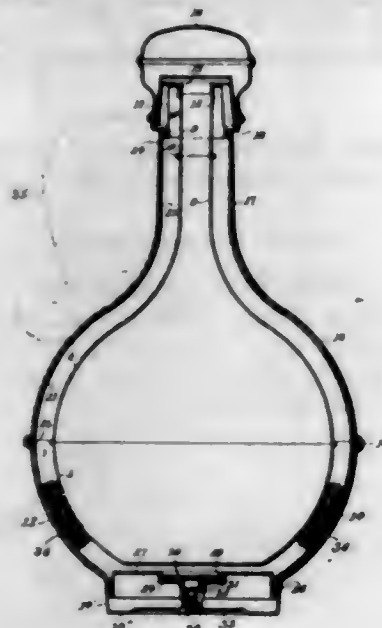
1,511,851. DEVICE FOR SUPPORTING GARMENTS. ARTHUR VALDER, London, England. Filed June 10, 1923. Serial No. 645,867. 2 Claims. (Cl. 211-13.)



1. A garment holder comprising a supporting member having a slot therein, a pair of laths between which the garment is adapted to be received, the adjacent sides of the laths being bulged inwardly whilst the outer sides of the laths are flat, one pair of adjacent ends of said laths being entirely free from each other and being adapted to be detachably fitted into said slot, and a flexible member secured to the other pair of adjacent ends of said laths for securing said ends together, the arrangement being such that when the free ends of the

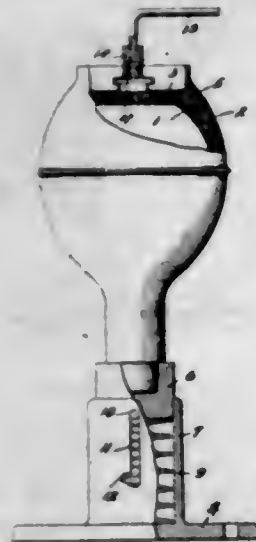
laths are inserted into the slot the laths by reason of the inward bulging are caused to exert a uniform pressure on the end of the garment which is clamped between them.

1,511,852. CARAFE. WALTER WAGNER, Chicago, Ill. Filed Mar. 23, 1922. Serial No. 546,047. 4 Claims. (Cl. 220-9.)



1. A sheet metal carafe comprising lower inner and outer spaced bottom sections of substantially bowl-shape, and inner and outer inverted substantially funnel-shaped upper sections respectively joined to the upper margins of said inner and outer lower sections, a one-piece double walled upper neck section joined to the upper margins of said inner and outer inverted substantially funnel-shaped upper sections, and a metal protecting cover, said upper neck section having its walls offset inwardly for permanent seating reception of said metal protecting cover, the inner wall of the upper neck section being joined onto the end of the inner inverted funnel-shaped section, the lower end of the outer wall of said upper neck section being telescopically joined within the upper end of the outer inverted funnel-shaped section, and the protecting cover for the walls of the bowl and funnel formation being of a configuration similar thereto.

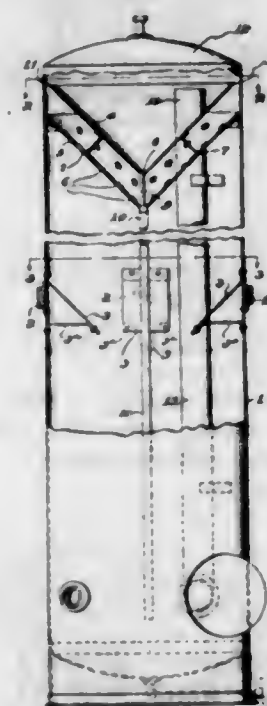
1,511,853. VACUUM PRODUCING APPARATUS FOR METAL CARAFES. WALTER WAGNER, Chicago, Ill. Filed Oct. 5, 1922. Serial No. 592,666. 4 Claims. (Cl. 220-1.)



1. In the art of producing metal carafes wherein an embryo formation is employed which has an external configuration including a lower bulbous portion and an upper neck portion, the said embryo formation of the

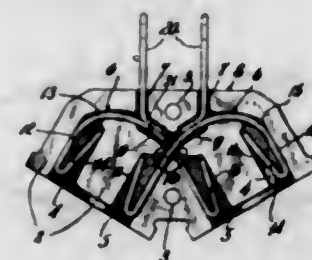
carafe includes an inner wall and an outer wall, there being a vacuum chamber formed by the inner and outer walls; a vacuum pump associated with the upper inverted end of the embryo formation, cushioned supporting means associated with the lower inverted end of the embryo formation to cause vibrations thereof during the evacuating of the chamber between the inner and outer walls, said supporting means including a tubular standard, a cushion spring therein, a supporting plug for the lower inverted end of the embryo formation resting on said spring, and means associated with said standard and plug for holding the latter against the action of said spring.

1,511,854. COMBINED FLOW TANK, SEPARATOR, AND SCRUBBER. MILLARD F. WATERS, Tulsa, Okla., assignor to Smith Separator Company, Tulsa, Okla. Filed May 23, 1924. Serial No. 715,497. 5 Claims. (Cl. 183-2.7.)



1. An arrangement of baffles in a container, including a conical perforated baffle secured to the inner wall of said container, a solid conical baffle secured to and above said perforated baffle and spaced apart from the wall of said container, and means for conveying any heavy products which may rise to the top of said container, back to the bottom thereof.

1,511,855. DOUBLE-PLUG CONNECTER FOR ELECTRICAL CIRCUITS. SEYMOUR H. WENTZ, East Orange, N. J. Filed Nov. 28, 1922. Serial No. 603,765. 2 Claims. (Cl. 173-334.)



1. A connector for electrical circuits comprising duplicate body sections of insulating material secured together and having cooperating internal curved passages, and duplicate conductor members located in the passages, the conductor members being formed of sheet metal strips curved to conform to said body passages.

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the strips having mating notches to provide an insulating clearance where the two strips cross, the strip ends being folded back in opposite directions forming spring clips cooperating with end portions of the body passages to provide two pairs of sockets, each pair adapted to receive the terminals of a push-plug, the conductors also having terminal members extending from the body and adapted to enter the sockets of an ordinary push-plug-socket or wall outlet.

1,511,856. STERILIZING BEE FOODS, ETC. HARLEY F. WILSON and WILLIAM A. HADFIELD, Madison, Wis., assignors to General Laboratories, Madison, Wis., a Corporation of Arizona. Filed Nov. 24, 1922. Serial No. 603,117. 8 Claims. (Cl. 167-3.)

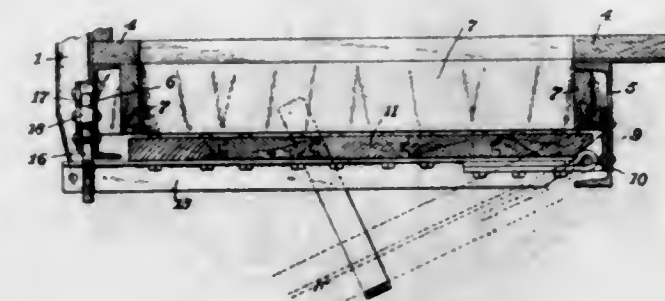
1. The method of preparing hypochlorites for administration which consists in admixing a soluble hypochlorite with a carbohydrate solution in the presence of sufficient free alkali to neutralize oxidation products.

8. A composition of matter consisting of a honey syrup, sodium hypochlorite and excess sodium carbonate.

1,511,857. METHOD OF STERILIZING BEEHIVES AND THE LIKE. HARLEY F. WILSON and WILLIAM A. HADFIELD, Madison, Wis., assignors to General Laboratories, Madison, Wis., a Corporation of Arizona. Filed Nov. 24, 1922. Serial No. 603,118. 4 Claims. (Cl. 167-3.)

4. The method of disinfecting beehives and hive parts which consists in applying thereto a solution of sodium hypochlorite containing sodium carbonate in the proportion of substantially one to three times the proportion of the sodium hypochlorite.

1,511,858. CAR HOPPER AND LOCKING MEANS THEREFOR. WILLIAM E. WINE, Toledo, Ohio. Filed Jan. 10, 1922. Serial No. 528,247. 4 Claims. (Cl. 105-244.)

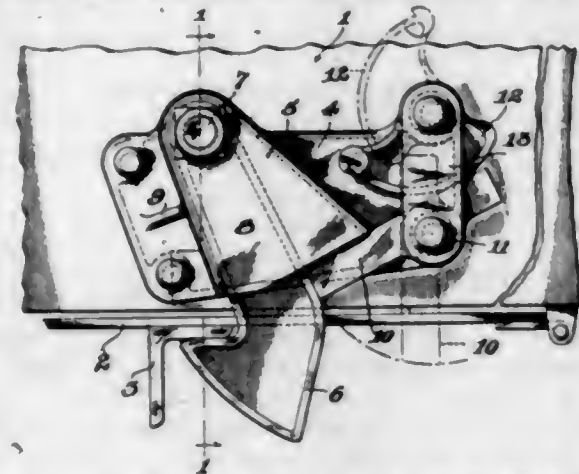


1. In combination with a freight car having center and side sills and a hopper located between the adjacent center and side sills, of a hinged door for closing the discharge opening of said hopper, and means movably mounted on the outer side of the car side sill for releasably supporting said door in closed position, the lower end of said hopper being above the bottoms of the said sills between which it is disposed, and said door having rigidly secured to the outer face thereof an arm projecting beyond the free edge of the door and adapted when said door is closed to extend under the adjacent side sill of the car in position to be supportingly engaged by said means for supporting said door in closed position.

1,511,859. CAR-DOOR-LOCKING DEVICE. WILLIAM E. WINE, Toledo, Ohio. Filed Jan. 10, 1922. Serial No. 528,248. 14 Claims. (Cl. 105-308.)

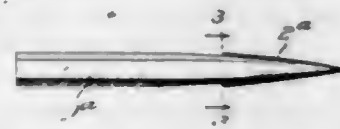
1. A door locking device comprising a base, a hook pivotally mounted on said base, an arm pivotally mounted on said base, and positioned to the rear of the hook

and arranged to swing by gravity normally away from said hook, said arm contacting and holding said hook



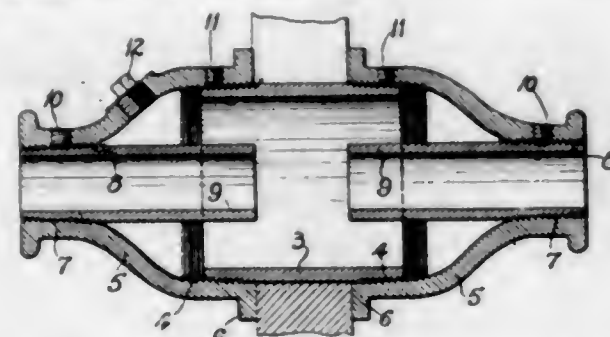
in its foremost position when said arm is in a locking position and means for retaining said arm in its locked position.

1,511,860. NEEDLE FOR PHONOGRAPHS AND SIMILAR MACHINES. JOHN KING WINER, Chicago, Ill. Filed Sept. 24, 1920. Serial No. 412,446. 2 Claims. (Cl. 274-38.)



1. A needle for phonographs and like instruments having a body part of rigid material with its point portion coated with a composition of relatively flexible soft non-abrasive elastic material.

1,511,861. BEARING. GEORGE T. WRIGHT, St. Louis, Mo., assignor of one-half to Louis P. Reiss, Mattoon, Ill. Filed Feb. 23, 1923. Serial No. 620,646. 4 Claims. (Cl. 64-10.)

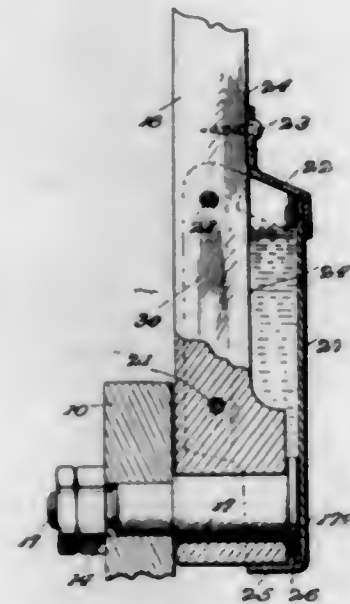


1. A bearing comprising a sleeve, a reducer located on each end of said sleeve, means for securing said reducers to the sleeve, and a sleeve located in the small end of each reducer, said sleeves extending toward each other and located within and spaced apart from the first mentioned sleeve.

1,511,862. LUBRICATING WRIST PINS AND THE LIKE. RODNEY H. YALE, Lincoln, Nebr., assignor to Yale and Hopewell Company, Lincoln, Nebr., a Corporation of Nebraska. Original application filed Feb. 13, 1920, Serial No. 358,386. Divided and this application filed Aug. 21, 1920. Serial No. 405,064. 11 Claims. (Cl. 64-24.)

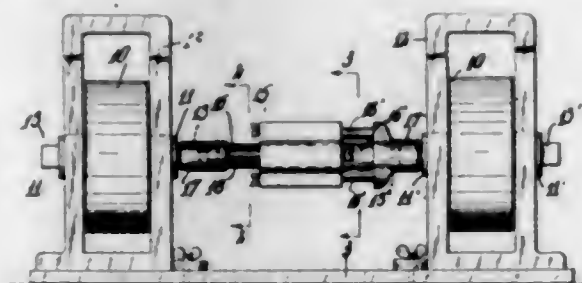
3. In combination, a horizontal shaft having an end crank and outwardly extending wrist pin, a pitman having a bearing hole extending transversely through its end portion, said pin journaled in and extending through said hole with its free end projecting outwardly beyond the same, and an upright gravity feed grease supply box fitting said pitman, said grease box enclosing the outer end of said bearing hole and said projecting free end of

said pin and so arranged that said pin will work in the lower portion of the mass of grease in said box, said box being interiorly formed for the free downward movement



of the grease against said pin by gravity, to supply heavy grease to the bearing without reuse of lubricant discharged from the bearing.

1,511,863. SHAFT COUPLING. MICHAEL ZIELINSKI, Pittsburgh, Pa. Filed June 15, 1922. Serial No. 508,444. 3 Claims. (Cl. 64-39.)



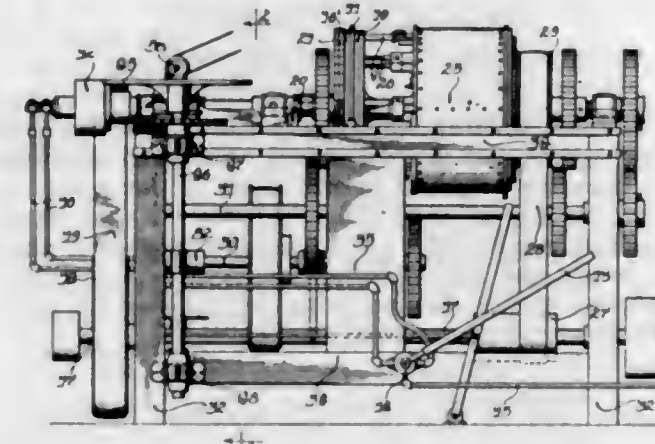
1. A clutch comprising a central body, polygonal axial extensions therefrom, collars slidable on said axial extensions, longitudinally extending rods fixed to adjacent ends of said collars and adapted to engage in apertures in said body, and adjustable abutment devices carried by said body and adapted to engage removably behind the ends of said rods.

1,511,864. HAT HANGER. JOHN W. ALTMAYER, Cedar Rapids, Iowa. Filed Nov. 18, 1922. Serial No. 601,840. 9 Claims. (Cl. 45-13.)



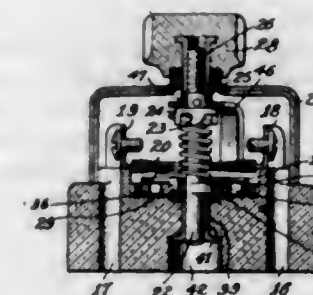
3. A hat holder comprising a block, an elastic member having its ends secured to said block, the latter having means for securing it to a fixed part, the intermediate portion of the elastic member forming a loop, a hook secured to the fixed part, and a tab mounted on the looped portion and having a hole adapted to receive the hook when the elastic member is stretched.

1,511,865. WOODWORKING MACHINE. CARL F. ANDERSON, Brookfield, and LESTER W. KNAPP, Berwyn, Ill., assignors, by mesne assignments, to Conlon Corporation, Cicero, Ill., a Corporation of Illinois. Original application filed Aug. 27, 1920, Serial No. 406,388. Divided and this application filed Aug. 27, 1920. Serial No. 406,389. 8 Claims. (Cl. 144-92.)



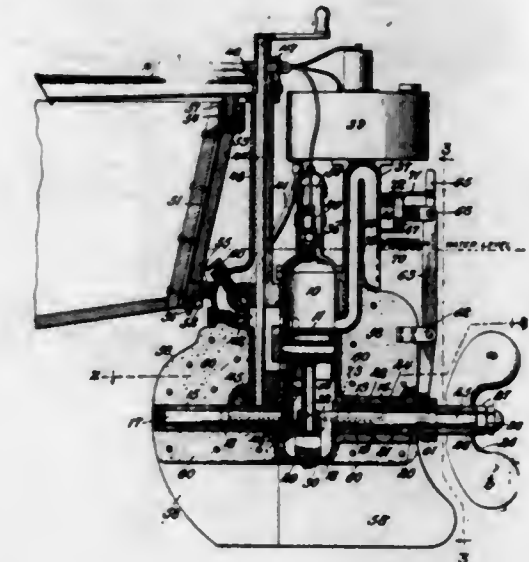
1. In combination, a shaft, means on said shaft for retaining a blank, driving means for said shaft, a locking element on said shaft for preventing rotation thereof during certain periods of operation, an arm for engaging said locking element, said arm having a roller at the lower end thereof, a second shaft, means for driving said second shaft, boring mechanisms, means for advancing the latter operated by said second shaft, a second locking element on said second shaft, and a cam on said second shaft engaging said roller for moving said arm into engagement with said second locking element whereby advancing movement of said boring mechanism is prevented.

1,511,866. ROTARY SNAP SWITCH. CARL ERIC ANDERSON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 11, 1923. Serial No. 662,095. 8 Claims. (Cl. 200-66.)



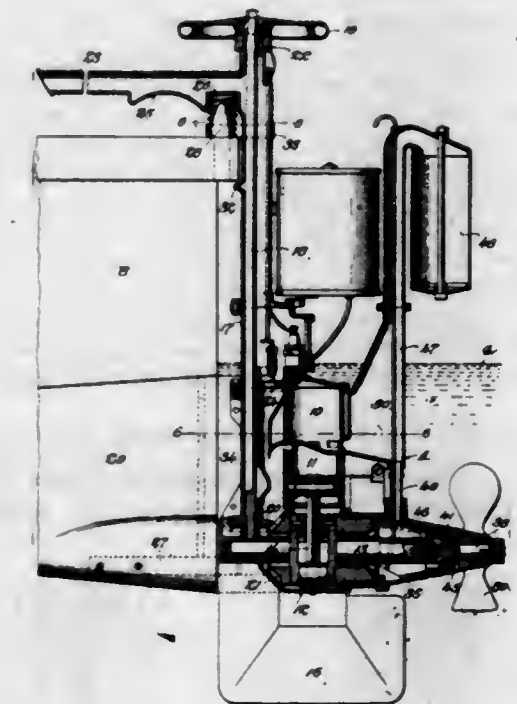
1. In a rotary snap switch, a rotary switch spindle, a switch bar freely mounted thereon, a detent operatively associated with said switch bar, a punched out stop plate within which said detent is arranged, a series of stop teeth formed around the internal margin of said plate and cooperating with said detent, a cam rigid with the spindle and lying in the plane of the detent and stop plate, said cam engaging the detent and serving on the rotation of the spindle to shift the detent out of engagement with the teeth of the stop plate, an insulating base, and a bearing plate mounted on the face of the base and underlying and engaging said stop plate.

1,511,867. MARINE PROPULSION APPARATUS. DORSEY FROST ASBURY, Washington, D. C. Filed Sept. 13, 1920, Serial No. 409,822. Renewed Aug. 16, 1922. Serial No. 582,247. 39 Claims. (Cl. 115-18.)



1. In apparatus of the character described, a craft including steering means, and spaced laterally disposed contact points between the craft and steering means movable selectively into and out of engagement with the craft, said contact points being slidable with respect to the craft.

1,511,868. MARINE PROPULSION APPARATUS. DORSEY F. ASBURY, Washington, D. C. Filed Aug. 16, 1922. Serial No. 582,253. 37 Claims. (Cl. 115-18.)

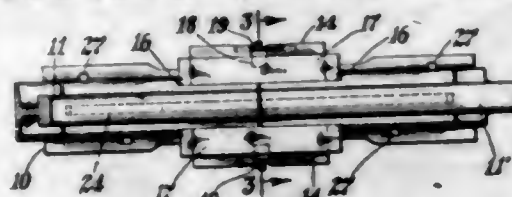


1. In a propulsion apparatus, a fluid body, a shaft extending into said fluid body and carrying a propeller, and a seal preventing the leakage of fluid around said shaft when the propeller is idle, said seal being automatically broken by the operation of the propeller when the latter is in operation.

1,511,869. RAIL JOINT. JOHN BARRON, Albion, Calif. Filed Dec. 4, 1923. Serial No. 678,433. 4 Claims. (Cl. 235-175.)

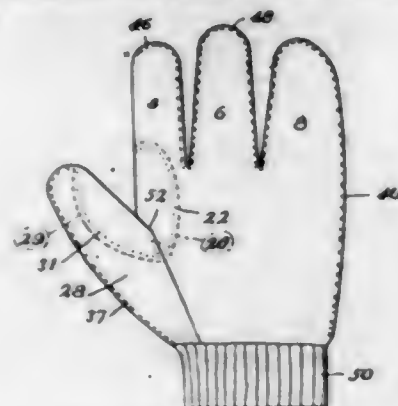
1. A rail joint comprising a chair plate recessed along its top face to receive the feet of adjacent rail ends, said plate having integral lateral projections from op-

posite sides thereof, and a rectangular collar fitting over each of said projections and engaging the feet of the rail ends, said plate having notches in the sides thereof



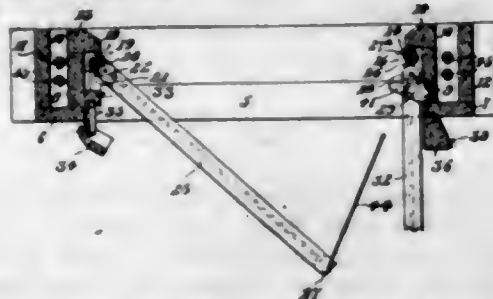
at the ends of said projections, and said feet having registering notches, the said collars engaging at their ends in the said notches.

1,511,870. THREE-FINGERED MITTEN. EDWIN T. BASKIN, Kansas City, Mo. Filed Sept. 28, 1923. Serial No. 665,357. 1 Claim. (Cl. 2-158.)



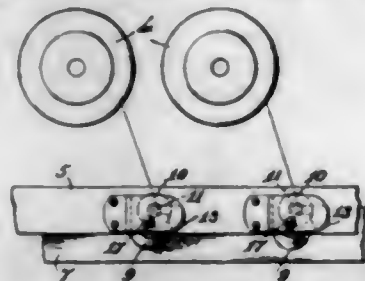
In a three finger mitten a body blank cut to form duplicate sides and finger sections, the last section being of sufficient capacity to receive the third and fourth fingers, said blank being adapted to be folded upon itself along a central line and stitched together at its margins and provided along its folded portion with a thumb opening which extends equally into both sides of said body blank, a separate reinforcement sewed to the body blank and having an opening registering with the thumb opening in said blank, gussets sewed to the adjacent margins of the corresponding finger sections, a thumb blank having duplicate sides with an opening corresponding to the thumb opening in the body blank, said thumb blank being stitched to the body blank around the margins of the thumb openings and folded upon itself along a central line and stitched together at its margins, and a separate reinforcement stitched to the thumb blank and having an opening registering with the opening in said thumb blank, substantially as set forth.

1,511,871. WINDOW. JAN BOROWIEC, East Chicago, Ind. Filed Oct. 11, 1923. Serial No. 667,917. 3 Claims. (Cl. 20-50.)



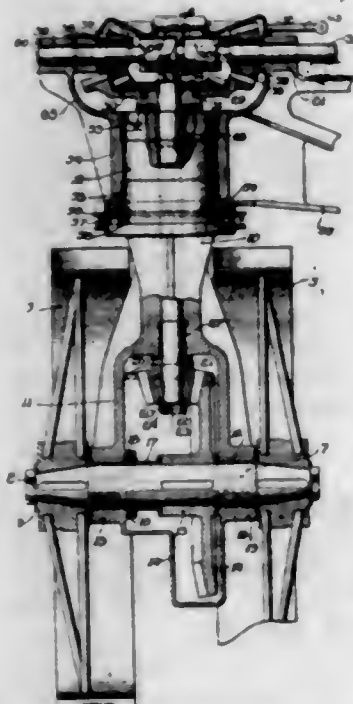
1. In a window of the class described, a frame, a sash member in said frame, a supporting and guiding member for one vertical edge of said sash member, means carried by said frame for pivotally carrying the supporting and guiding member, means carried by the sash for slidably connecting it to the last mentioned means, and a movable retaining member for the second vertical edge of the sash member, said movable retaining member being adapted for preventing or permitting lateral swinging movement of said sash member.

1,511,872. TENSION MECHANISM FOR SPOOLERS. CLIFFORD C. BROWN, Cartersville, Ga. Filed May 1, 1923. Serial No. 635,855. 12 Claims. (Cl. 242-150.)



1. In spool winding mechanism, the combination, with a spool carrier, and a yarn supply carrier, of a tension device arranged laterally of the front of the spool carrier for causing the yarn delivered from the yarn supply carrier and passing the tension device to extend angularly toward the spool carrier for exerting a stress on the tension device for normally maintaining the parts thereof in operative relation.

1,511,873. TRACTION VEHICLE. GREGORY C. DAVISON, New London, Conn. Filed July 22, 1920. Serial No. 398,134. 8 Claims. (Cl. 180-26.)



1. In a vehicle of the class described, the combination of a frame, a drive wheel, a driven shaft having driving connection with said drive wheel, a pair of driven members on said shaft, a drive shaft, a pair of drive members loosely mounted on said drive shaft and having driving engagement with said driven members to drive said members in opposite directions and at different speeds, said wheel being adapted for complete lateral rotation to reverse the direction of movement of the vehicle, and a common device for changing the speed of the forward and reverse movement of the vehicle, said device comprising a clutch sleeve splined upon the drive shaft and shiftable into driving engagement with said drive members.

1,511,874. METHOD OF PROTECTING AGAINST LIGHT OF SHORT WAVE LENGTH AND COMPOSITION OF MATTER THEREFOR. JOSEF MARIA EDER, Vienna, Austria. Filed June 2, 1922. Serial No. 565,440. 14 Claims. (Cl. 167-9.)

1. The method of protecting against light of short wave lengths, which comprises applying upon the surface to be protected, a soft preparation containing a derivative of a naphthol sulfonic acid which has a blue fluorescence.

3. The method of protecting parts of the human body against light of short wave length, which comprises the application thereto as a protective coating, of preparations containing blue fluorescent sulfonic acid derivatives of aromatic hydrocarbons containing at least two condensed benzene rings.

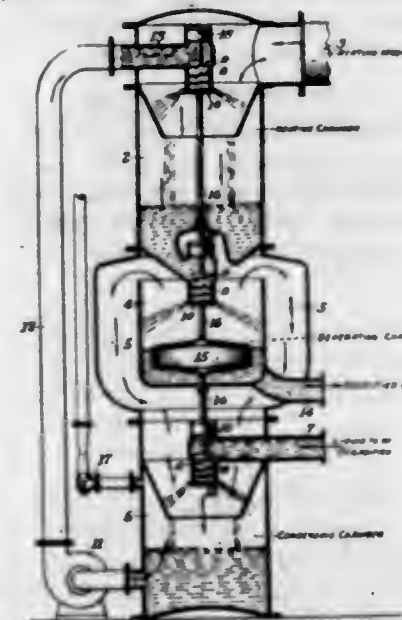
6. A preparation suitable for protection against light of short wave length which preparation contains a salt of a sulfonic acid compound of an aromatic body with more than one benzene nucleus, and alkaline substances, in a vehicle, capable of being smeared onto parts of the human body.

14. A preparation for protection against light of short wave length which preparation contains a salt of a naphthol disulfonic acid, a salve vehicle, an alkaline substance and water.

1,511,875. METHOD OF TEMPERATURE CONTROL IN CHEMICAL REACTIONS. GRAHAM EDGAR, Washington, D. C., assignor to United States of America, as represented by the Secretary of War. Filed Jan. 3, 1920. Serial No. 349,354. 6 Claims. (Cl. 71-9.)

1. The process for controlling the temperature of the reaction between calcium cyanamid and sulfuric acid which consists in suspending one of such substances in a current of air and then causing them to contact with each other.

1,511,876. DEGASIFYING APPARATUS. RAYMOND N. EHART, Edgewood, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 8, 1922. Serial No. 535,106. 20 Claims. (Cl. 183-25.)

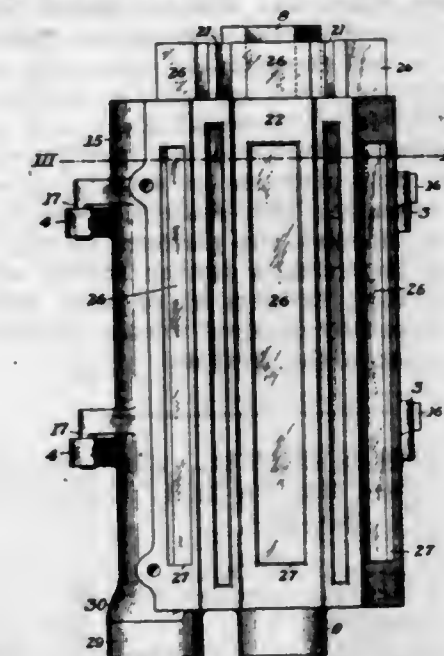


1. Degasifying apparatus, comprising a plurality of serially connected chambers having liquid spray means discharging the contents of one chamber into the next chamber of the series, said spray means having an automatically variable flow capacity effecting substantially uniform atomization of the liquid issuing therefrom irrespective of the quantity of liquid flowing therethrough, there being means insuring removal of non-condensable gases from the apparatus, and means for heating the liquid in one of said chambers, substantially as described.

1,511,877. WATER-GAUGE PROTECTOR. PATRICK J. FLAHERTY, New Castle, Pa., assignor to Johnson Bronze Company, New Castle, Pa., a Corporation of Pennsylvania. Filed Mar. 15, 1921. Serial No. 452,478. 5 Claims. (Cl. 73-54.)

1. As an article of manufacture, a protective device for gauge glasses, comprising a casing having a front member provided with a transparent panel, a back mem-

ber co-operating with said front member and having an opening therein, and a removable member carried by



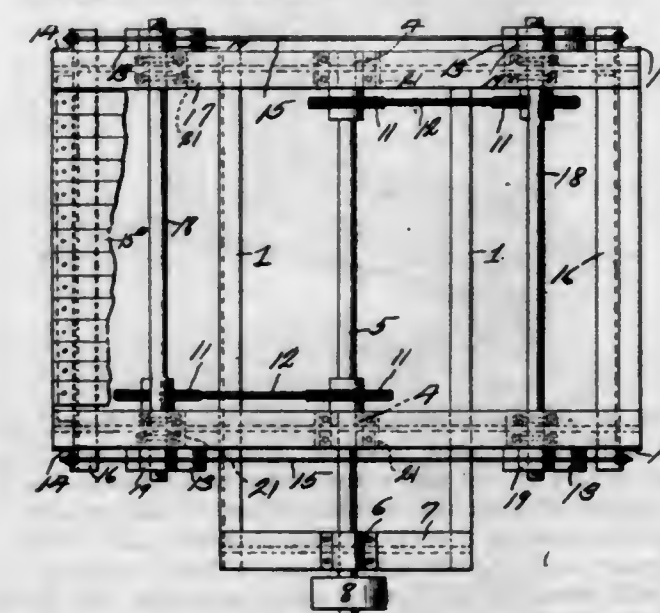
said back member and closing said opening, said removable member having a uniform uninterrupted light reflecting surface, substantially as described.

1,511,878. CONFECTION. WILLIAM GARGAY, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,642. 2 Claims. (Cl. 99-11.)



1. A confection of the type described comprising a receptacle forming element of sheet-like material formed at its top edge with an overturned part forming a wall of double thickness, said overturned part having openings therein, a filling in said receptacle, and a sealing element for said filling having projections engaging in the said openings.

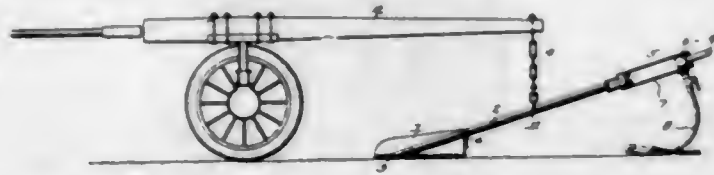
1,511,879. PLASTIC-PIPE JARRING MACHINE. LORENZO S. GELSER and HOVEY A. GELSER, Fillmore, N. Y. Filed June 29, 1922. Serial No. 571,722. 1 Claim. (Cl. 259-91.)



A jarring machine comprising a frame, a vertically movable platform slidably movable in said frame, a centrally disposed drive shaft disposed beneath said platform and rotatably mounted in bearings carried by

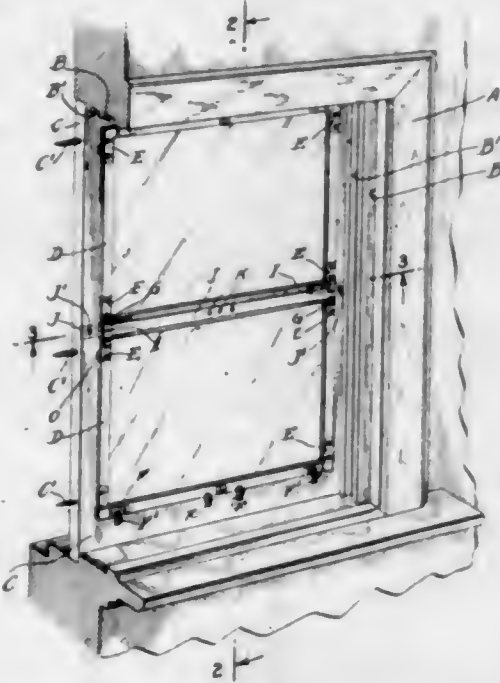
the frame, parallel cam shafts located at opposite sides of the drive shaft, sprocket and chain connections between the drive shaft and the cam shafts, spiral cams carried by the ends of the cam shafts, rollers carried by the platform and engaging the cams, said cams forming means whereby when rotated the platform will be moved upwardly in a horizontal plane and allowed to fall in a horizontal plane and bed spaced members disposed beneath the platform at opposite sides thereof and between which the drive shaft is mounted and forming means for stopping the platform in its downward movement and imparting a jarring action, said spaced members comprising brackets at opposite sides of the frame and horizontally disposed wooden members carried by the upper sides of the brackets.

1,511,880. HAMMER SHOVEL. GUION M. GEST, Norton, Conn. Filed May 29, 1923. Serial No. 642,229. 4 Claims. (Cl. 262-13.)



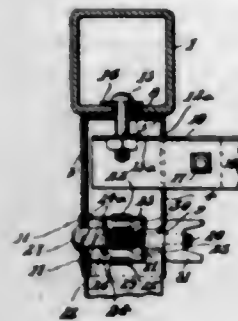
1. A portable hammer shovel adapted to be hand manipulated, comprising a portable support, a flexible suspension means depending from said support, a shovel bar hung midway from said flexible support, a shovel mounted on one end of said bar, a power driving means mounted on the other end of said bar whereby the weight of the shovel is balanced by the weight of the power driving means.

1,511,881. STORM-SASH CONSTRUCTION. JAMES H. GIBSON, Brooklyn, N. Y. Filed May 4, 1922. Serial No. 558,372. 2 Claims. (Cl. 20-55.)



1. In a closure construction comprising a frame, an upper and lower panel member therein and retaining means carried by the upper and lower rails of said frame and engageable with the adjacent edges of said members, the combination of a strip having shoulders and extending transversely across said frame, a band cooperating with said shoulders to form a recess receiving the lower edge of said upper member and the upper edge of the lower member respectively, spring clips engaging the respective sides of said members, and fastening means passing through said clips and said band and securing them to said strip.

1,511,882. CORNER-POST FASTENER FOR BED-STEADS. KOIJ G. HADJIEFF, Warren, Ohio. Filed May 24, 1923. Serial No. 641,227. 4 Claims. (Cl. 5-290.)



1. In a corner post fastener for bedsteads, a socket member permanently secured to each corner post, cross rails anchored to the socket members, side rails having their ends received in adjacent socket members, and tensioned, resiliently releasable fastening devices extending through the socket members and side rail ends for anchoring the latter in position.

4. In a corner post fastener for bedsteads, a socket member permanently secured to each corner post, cross rails anchored to the socket members, said rails having their ends received in adjacent socket members, tensioned fastening devices extending through the socket members and side rail ends for anchoring the latter in position, said fastening devices including a strap member, a tensioned bolt extending through the strap member, socket member and side rail end, the side rail ends having openings therein through which the strap member extends, and said socket member having depressions receiving the ends of the strap member.

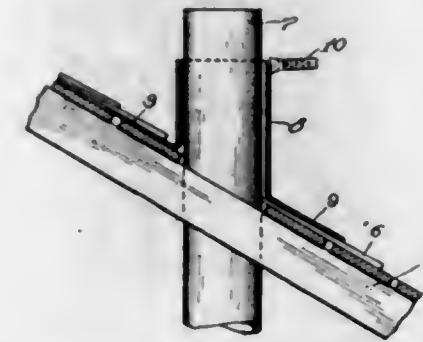
1,511,883. RING-SPINNING MACHINE. HERMANN HAMEL, Dresden-Blasewitz, Germany, assignor to Carl Hamel Aktien-Gesellschaft, Schonau, near Chemnitz, Saxony, Germany. Filed Nov. 24, 1923. Serial No. 676,770. 2 Claims. (Cl. 118-38.)



2. A ring spinning machine comprising a substantially vertical spindle, a drawing device, a traveller ring and a thread guide, the delivery rolls of the drawing device being located approximately vertically above the thread guide, the line through the bites of the drawing device rollers forming a small angle, not more than 30° in relation to the spindle axis, and the distance from the bite

of the delivery rollers to the thread guide being at least approximately three times the distance from the thread guide to the traveller ring when the latter is in its uppermost position.

1,511,884. PIPE FLASHING FOR ROOFS. OTTO A. HEPPES, Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Apr. 17, 1920. Serial No. 374,678. 4 Claims. (Cl. 285-31.)



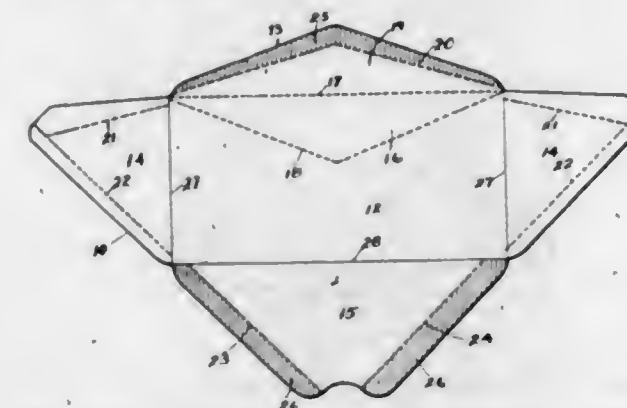
4. The combination with a roof and pipe of a flashing structure comprising a relatively inelastic tube for surrounding said pipe and an integral obliquely disposed flange, said tube being cementitious and having its free end contracted about the pipe and made to adhere thereto after said structure is placed in position on a roof.

1,511,885. LINING FOR TRANSMISSION BANDS. MARTIN B. HILL, Houston, Tex. Filed Nov. 13, 1922. Serial No. 600,603. 1 Claim. (Cl. 188-259.)



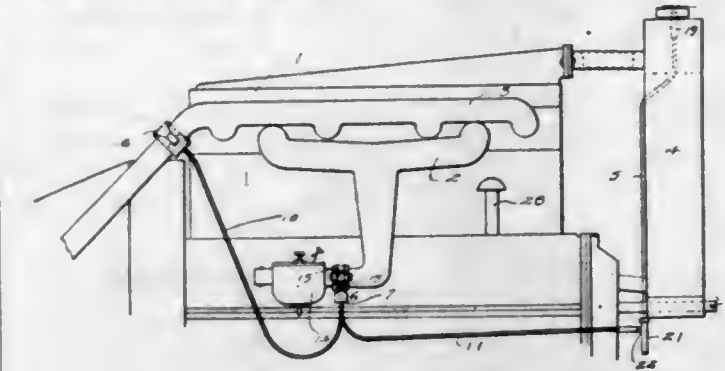
The combination with an imperforate transmission band; of a lining therefor having metal lined apertures extending therethrough from face to face and closed at the rear face of said lining by said band whereby oil cups are formed to receive oil on the rotation of the brake drum, the oil being sealed in said cups on the application of the brake and pulled out onto the drum by vacuum should slippage occur between the drum and the brake.

1,511,886. SAFETY ENVELOPE AND BLANK FOR MAKING THE SAME. MORTIMER L. HINCHMAN, Brooklyn, N. Y. Filed Feb. 16, 1923. Serial No. 619,477. 3 Claims. (Cl. 229-81.)



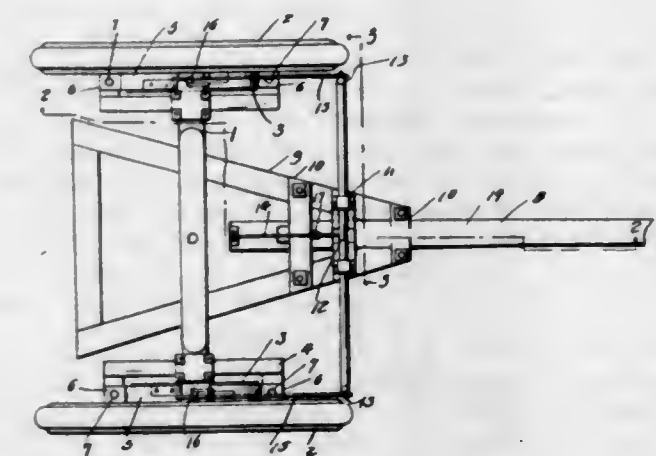
1. A blank for making a safety envelope comprising a front fold, back folds, a seal flap, a partly severed portion embodied by the front fold and the seal flap, the marginal portion of said seal flap being gummed, and each of said back folds provided with a plurality of free marginal edges and having perforations along said edges.

1,511,887. FUEL ECONOMIZER AND DECARBONIZER FOR INTERNAL-COMBUSTION ENGINES. JOHN E. HURCH, Cincinnati, Ohio. Filed Nov. 3, 1921. Serial No. 512,561. 3 Claims. (Cl. 123-25.)



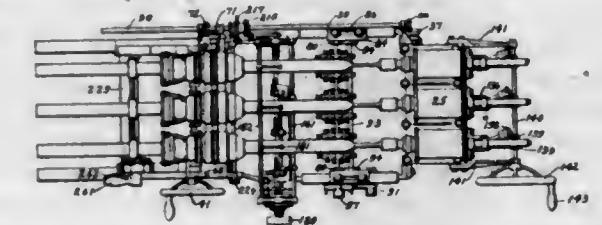
1. A fuel economizer of the character specified comprising a plate having an opening for the passage of fuel, a pair of tubes extending across the fuel opening and having inwardly facing outlets for the discharge of substances to be added to the fuel, and means supplying said substances to said tubes, said substances comprising hot air to be supplied to one of said tubes and water vapor to be supplied to the other of said tubes.

1,511,888. AUTOMATIC VEHICLE BRAKE. WILLIAM L. HOUSTON, Carrsville, Ky. Filed June 17, 1922. Serial No. 568,903. 2 Claims. (Cl. 188-77.)



1. A brake consisting of a drum, a supporting beam, a band for the drum provided in sections, the sections at adjacent terminals and at substantially diametrically opposite locations, being separated by said beam, and pins passing through the beam and connecting the sections together, and means operable to contract and expand the band.

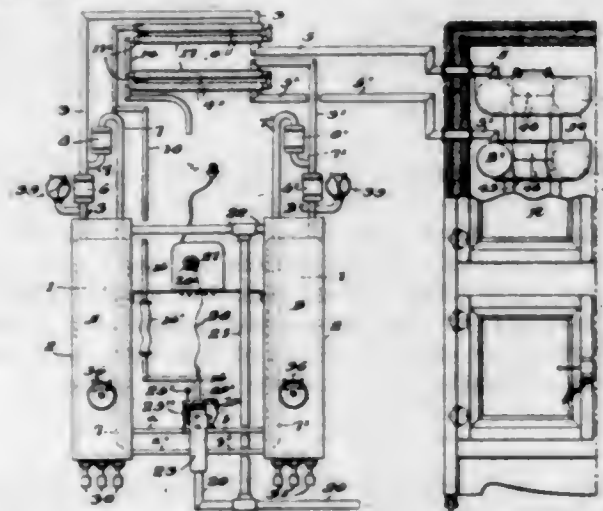
1,511,889. MULTIPLE GLASS-BLOWING MACHINE. ALEXANDER KANN, Brooklyn, N. Y. Filed Feb. 1, 1921. Serial No. 441,670. 19 Claims. (Cl. 49-2.)



1. In a device of the class described, the combination of means for gripping a plurality of glass tubes at their opposite ends, means for rotating said gripping means, heating means intermediate the ends of said tubes, and means associated with said gripping means for uniformly forcing the same amount of air into each of the tubes.

7. In a device of the class described, the combination of means for gripping and rotating a glass tube, burners for heating said tube, brackets in which said burners are rotatably mounted, a shaft upon which said brackets are mounted, manipulative means for moving said shaft vertically.

1,511,890. AUTOMATIC REFRIGERATING APPARATUS. MAXWELL R. KARGE, Phoenix, N. Y., assignor to Thomas F. Kingsford, Oswego, N. Y. Filed May 14, 1923. Serial No. 638,854. 19 Claims. (Cl. 62-5.)

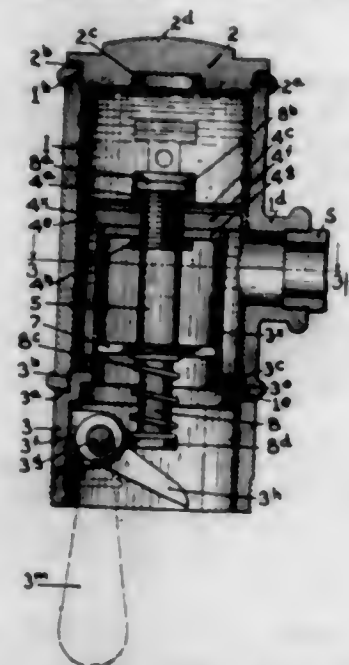


2. Refrigerating apparatus of the absorption type, comprising a generator-absorber, a pressure gas offtake pipe therefrom, a suction intake pipe thereto, means to automatically regulate and control the outflow of gas through said offtake consisting of light-pressure lifted check valve means and relatively-heavy-pressure lifted check valve means arranged beyond said light-pressure lifted check valve means, and means to automatically regulate and control the gas flow into the generator-absorber through said intake consisting of light-pressure lifted check valve means and relatively heavy-pressure lifted check valve means arranged in succession with respect to said light-pressure lifted check valve means and between the same and the generator-absorber.

15. Refrigerating apparatus of the absorption type comprising a generator-absorber, means being provided for successively heating and then cooling the same, and a refrigerating element operatively connected with said generator-absorber to receive the refrigerant therefrom and to permit suction return of expanded refrigerant thereto, said element embodying a hollow approximately U-shaped body, cover plates fitting the opposite sides of said body to provide a refrigerating chamber in the space between, the legs of the U-shape, and a front cover for said chamber.

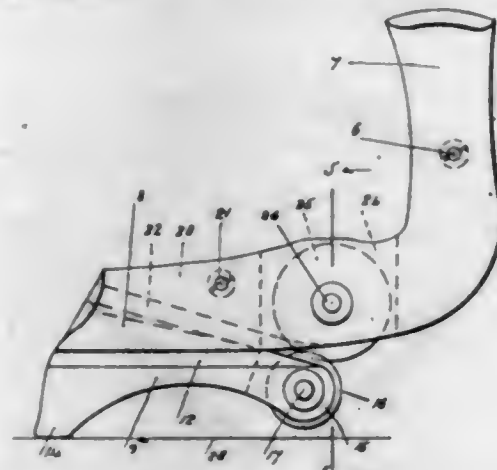
17. In refrigerating apparatus, in combination, twin generator-absorbers, means for alternately heating said generator-absorbers, each generator-absorber having its own cooling liquid passage, a valve casing providing separate cooling liquid inlets to said passages of the generator-absorbers, respectively, and also providing liquid outlets from said cooling passages, respectively, a slide valve in said casing providing a cooling water common supply duct open to a source of cooling water and having outlet ducts to said inlets, respectively, and also having a common liquid offtake duct with ports to said outlets, respectively, said ports and inlets and outlets being so arranged that when said valve is in one position cooling water will be supplied to one generator-absorber from said supply duct and the outlet from said generator-absorber will be closed while the inlet to the other generator-absorber will be closed and its outlet open to said common offtake duct, and whereby when said valve is in its opposite position cooling liquid will be cut off from said one generator-absorber and its outlet opened while cooling liquid will be supplied to the other generator-absorber and its outlet closed, and an independent motor for operating said slide valve.

1,511,891. FLUSHING VALVE. WILLIAM FRANKLIN KNELL, Detroit, Mich. Filed Mar. 14, 1923. Serial No. 625,005. 4 Claims. (Cl. 137-93.)



1. A flushing apparatus comprising a member having a fluid inlet and a fluid outlet; a tube surrounding the outlet, a piston valve adapted to normally close the upper end of the tube, and to divide the interior of the member into upper and lower chambers; an aperture through the piston valve exterior to said tube for permitting a restricted flow of water past the piston from the lower to the upper chamber; a tubular stem within said tube depending from said piston valve; a release valve adapted to seat on the upper face of said piston valve; a second tubular stem depending from said release valve, and adapted to slide within said first mentioned tubular stem; a guide on the lower end of said first mentioned tubular stem adapted to engage the walls of said tube; a rock shaft mounted in the member; an actuating lever on said shaft exterior to said member; a stuffing box in said member, walls around said shaft; and a finger on said shaft adapted to engage the lower end of said second tubular stem to raise said release valve and vent said upper chamber, whereby the outlet valve will be opened and will remain open until the upper chamber is again filled with water passing through the said aperture, whereupon the main outlet valve will be seated.

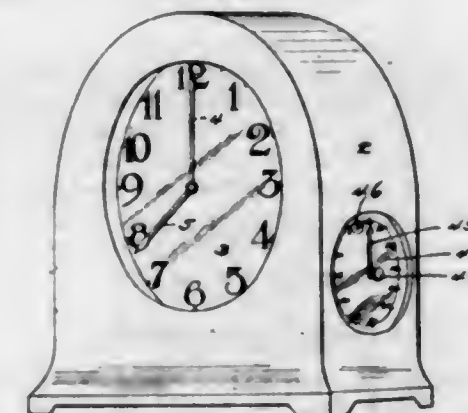
1,511,892. SHEARS. GEORGE R. LUSBY, Hesler, Ky. Filed May 17, 1923. Serial No. 639,537. 2 Claims. (Cl. 164-84.)



1. A shears, comprising a cutter bar and its handle formed of two parts arranged side by side, one part of the cutter bar having a main bar and an auxiliary bar connected together by an offset portion and forming a guide groove, said auxiliary bar being provided with a floor guide at its rear end and a forked arm at its front

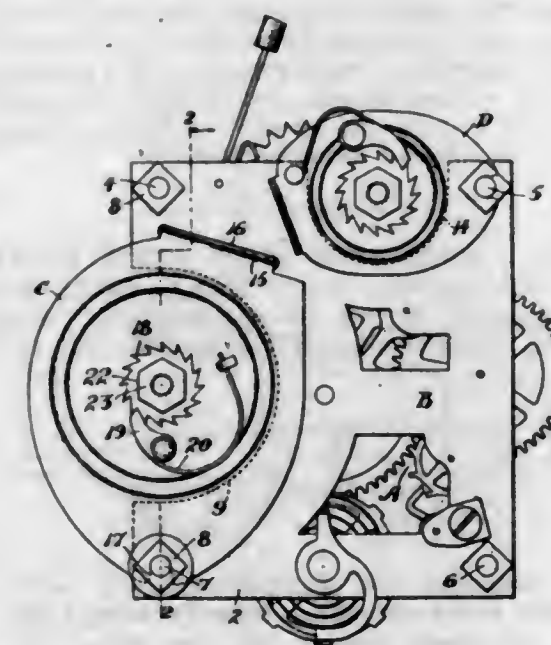
end, said part having also one half of the handle at its front end, one of the said parts of the cutter bar having a channel formed in its inner side face above the said forked arm, and the other part of the cutter bar having the other half of the handle at its front end and having its rear end portion spaced apart from the said auxiliary bar to form a second guide groove, and rotary cutters mounted in the said forked arm and channel.

1,511,893. TIMING DEVICE. PAUL S. LUTTRELL and PAUL C. ROSKE, Oakland, Calif. Filed Mar. 21, 1921. Serial No. 453,925. 14 Claims. (Cl. 58-16.)



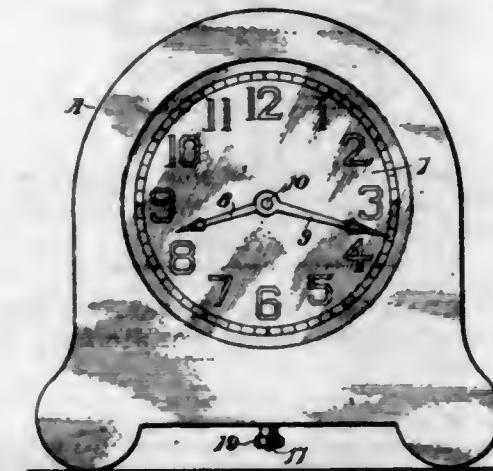
1. In a timing device, a timing mechanism, an alarm mechanism, a spring for driving the alarm mechanism, an alarm trip controlling mechanism, and means operative by the winding of the alarm spring for connecting the timing mechanism and the alarm trip controlling mechanism.

1,511,894. CLOCK STRUCTURE. PAUL S. LUTTRELL, Oakland, and PAUL C. ROSKE, San Francisco, Calif., assignors to American Clock Corporation, Oakland, Calif., a Corporation of California. Filed Sept. 19, 1922. Serial No. 589,125. 9 Claims. (Cl. 58-52.)



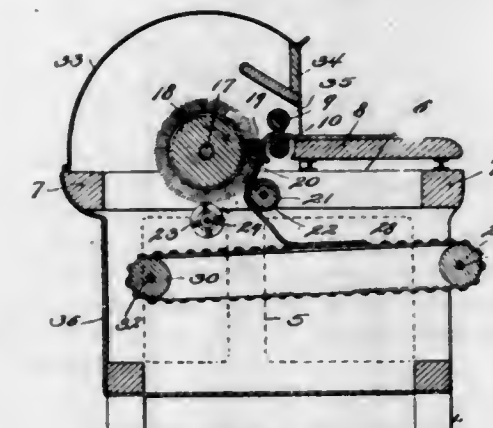
9. In a clock mechanism of the character described the combination with the main frame and the mechanism carried thereby, of an auxiliary bearing plate carried by the frame, said main frame being slotted to receive a lug formed on one end of the bearing plate, and to permit a hingelike movement of the bearing plate with relation to the main frame to permit insertion or removal thereof, and means carried by the main frame for securing the opposite end of the bearing plate.

1,511,895. ALARM SETTING AND ACTUATING MECHANISM FOR CLOCKS. PAUL S. LUTTRELL, Oakland, and PAUL C. ROSKE, San Francisco, Calif., assignors to American Clock Corporation, Oakland, Calif., a Corporation of California. Filed Dec. 21, 1922. Serial No. 608,197. 10 Claims. (Cl. 58-16.)



1. In a mechanism of the character described, the combination with the minute hand spindle, of a minute disk adapted to be rotated in unison therewith, an hour disk adapted to be intermittently rotated by the minute disk, and means actuated by both disks to release or lock an alarm pallet.

1,511,896. MACHINE FOR TREATING BLANKETS OR FABRICS. EDWARD MCCREARY, Cohoes, N. Y., assignor to John McCreary and Edward J. McCreary, Cohoes, N. Y. Filed Sept. 26, 1923. Serial No. 664,959. 3 Claims. (Cl. 26-37.)

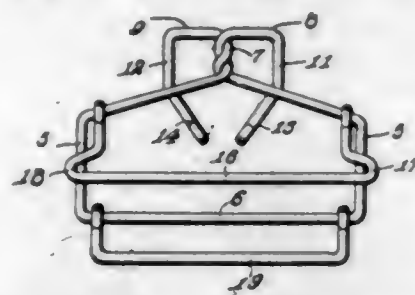


1. In a blanket or fabric brushing and napping machine, the combination with a brushing cylinder, feed rolls and a pressure bar between the feed rolls and cylinder depending in advance of the cylinder, of a single guide roll set in close to the lower portion of the brushing cylinder below the pressure bar to maintain a considerable length of the blanket or fabric in engagement with the brushing cylinder, a cast-off roll with spiral blades in continual engagement with the lower portion of the brushing cylinder to prevent adherence of the blanket or fabric end with the cylinder, and a conveying means for transferring the treated fabric outwardly through the machine.

1,511,897. CLOTHESPIN. CLIFFORD A. MCKUNE, San Francisco, Calif. Filed Nov. 7, 1923. Serial No. 673,323. 4 Claims. (Cl. 24-139.)

1. A device of the class described comprising a frame part, a stop member hingedly connected therewith and having a part for engaging one side of the same and

a clothes engaging member rotatably connected with the bottom portion of the frame and adapted to be passed



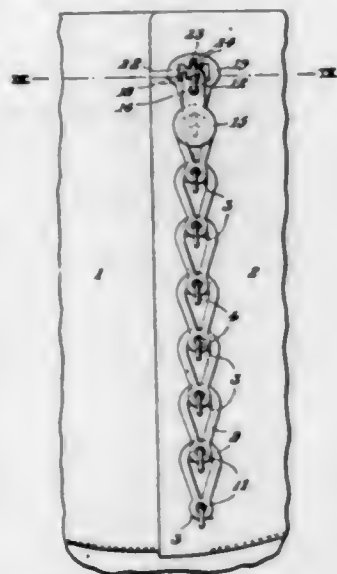
through the same and by the stop member so that the stop member will prevent the return movement of the said member.

1,511,898. REAMER. CARL MAKAY, Portland, Oreg. Filed Feb. 17, 1923. Serial No. 619,704. 3 Claims. (Cl. 77-76.)



1. A reamer comprising a shank, a pair of cutting blades pivoted thereto, and means for adjustably positioning said blades in a radial direction, said means comprising a sleeve longitudinally movable in said shank, and a rod longitudinally movable in said sleeve, and an arm on said sleeve adapted to move said sleeve and rod bodily in a longitudinal direction, said arm projecting through a longitudinal slot in the shank, the said slot having an offset into which the said arm may be swung to lock the sleeve against longitudinal movement.

1,511,899. SHOE-CLOSURE FASTENER. FRANK T. MALICH, Wadsworth, Ohio. Filed Feb. 21, 1924. Serial No. 694,259. 5 Claims. (Cl. 24-203.)

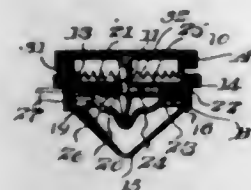


1. In a closure fastener for shoe uppers, a plurality of links carried by one side of the shoe upper, the other side of the shoe upper having slits therein through which the links are projected with the links interlocked with each other outwardly of the slits, the two upper links constituting locking members for the series of interlocked links.

1,511,900. SNAP FASTENER. JOHN A. MANDIS, Highland Park, Mich. Filed Dec. 10, 1923. Serial No. 679,690. 1 Claim. (Cl. 24-211.)

A two part fastening device, one part including a headed shank, the other part embodying a cap shaped member, a disk closing one end of the member and having a central opening, an internal shoulder formed

on said cap, a slide adapted to be moved inwardly and outwardly of said cap, a U-shaped member supported by said shoulder and constituting a guide for said slide, cooperating means carried by the slide and said guide for limiting the movements of the former, said slide having an opening adjacent one end and adapted to coincide with the opening of said disk to receive the shank of the first mentioned member when the slide is moved



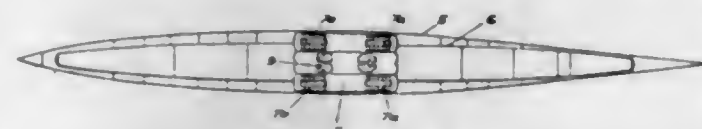
outwardly, said slide also having a longitudinal slot to receive said shank when the slide is moved inwardly, and thus hold the respective parts of the device associated, and a member supported by said shoulder and including a resilient tongue operating within the U-shaped member, and cooperating means carried by said tongue and slide for holding the latter fixed relatively to the cap shaped member when moved within the latter.

1,511,901. TRAFFIC SIGNAL. JOHN W. MILLER, Toledo, Ohio. Filed Feb. 17, 1923. Serial No. 619,660. 1 Claim. (Cl. 74-39.)



In an operating device for a vehicular traffic signal comprising a support, a bearing sleeve carried by said support, a spindle rotatably carried in said sleeve and adapted to operate the indicator, a shaft mounted upon said support, a hand wheel fast upon the inner end of said shaft and provided with notches on one face thereof, a lateral extension on said support, and a spring detent carried by said extension and adapted to coact with said notches to hold said spindle and its operating mechanism in the required adjusted position.

1,511,902. SUBMARINE BOAT WITH STEAM AS DRIVING POWER. JULIUS MUGLER, Berlin, Germany, and HERMANN WOLKE, Bremen, Germany. Filed Dec. 3, 1921. Serial No. 519,807. 8 Claims. (Cl. 114-16.)

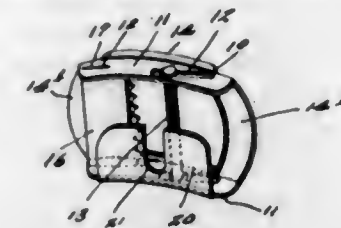


8. A submarine boat having inner and outer hulls, and boiler rooms extending laterally beyond the inner hull in the space between the two shells, the boiler rooms being outwardly rounded.

1,511,903. BELT BUCKLE. WILLIAM M. MYERS, Hannibal, Mo. Filed Jan. 2, 1923. Serial No. 610,234. 2 Claims. (Cl. 24-163.)

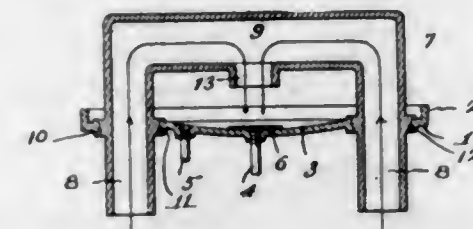
1. A belt buckle comprising a frame formed from a single piece of resilient metal and including a body portion having side flanges defining a channel for the reception of one end of a belt, one end of the body being

deflected rearwardly to define an abutment for the end of the belt, and a resilient plate located at the back of the belt and formed at its ends with lugs received within



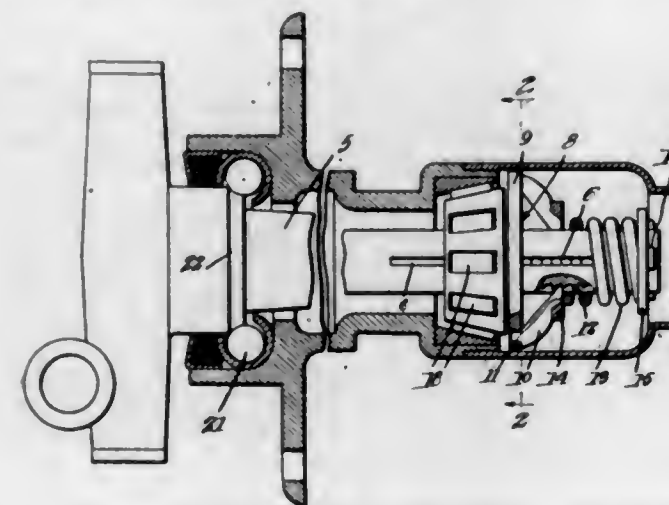
slots in said flanges, said plate having one edge toothed for penetrating engagement with the belt, and means for holding the other end of the belt.

1,511,904. OIL BURNER. JOSEPH R. NICHOLSON, Wichita, Kans., assignor to Fred A. Bessire, Wichita, Kans. Filed June 11, 1923. Serial No. 644,612. 1 Claim. (Cl. 158-91.)



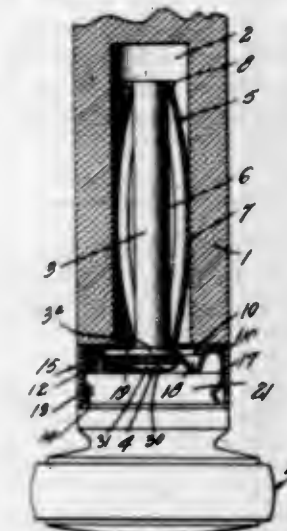
An oil burner consisting of a plate having an upwardly-turned marginal flange and a shallow central depression, means for conducting liquid fuel to said depression, a suitable wick arranged in the depression, an overflow pipe leading from the plate, and an inverted U-shaped air duct consisting of two legs extending through and below said plate, tapered shoulders on said legs which fit within corresponding seats in the plate, and a transverse leg connecting the upper portions of the first-mentioned legs and having a downturned discharge nozzle arranged in axial alignment with the axis of said shallow depression.

1,511,905. ROLLER OR BALL BEARING. JOSEPH F. OLDHAM, Horse Shoe Bottom, Ky. Continuation of application Serial No. 496,407, filed Aug. 29, 1921. This application filed Apr. 22, 1924. Serial No. 708,242. 3 Claims. (Cl. 64-62.)



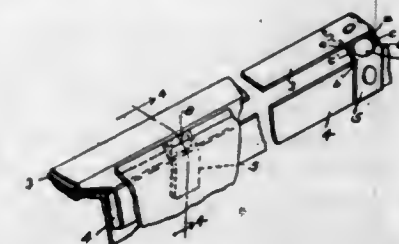
1. In a device of the character described, a spindle having key-ways, said key-ways having notches, an adjustable bearing member on the spindle, arms engaging the adjustable bearing member and engaging the notches of the key-way to restrict movement of the adjustable bearing member in one direction, a roller bearing cage on the bearing member, and resilient means on the spindle and engaging the arms for moving the adjustable bearing member longitudinally of the spindle.

1,511,906. GLASS CASTER. CHARLES G. OVERMYER, Hartford City, Ind. Filed Nov. 3, 1923. Serial No. 672,663. 4 Claims. (Cl. 16-42.)



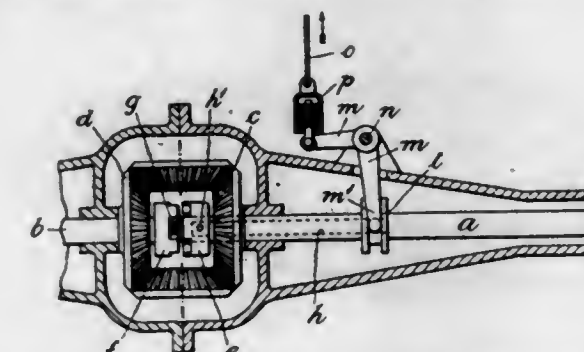
1. The combination with a caster having an annular shoulder at its upper end, a pin carried plate having fingers to engage said shoulder, said pin having means for detachably connecting it with a socket, and a cap-like member to fit over said plate and lock said fingers engaged with the caster.

1,511,907. BAG-FRAME BRACKET. AUGUST J. PETRIE, West Allis, Wis., assignor to Milwaukee Stamping Company, West Allis, Wis. Filed Nov. 28, 1923. Serial No. 676,921. 5 Claims. (Cl. 190-49.)



1. A connecting bracket for bag frame bands, comprising a piece of sheet metal having end portions in substantially half-elbowed relation to the central portion and having a central aperture of sufficient size to nearly sever the central portion of the bracket leaving the end portions connected by two thin arms of insufficient width to obstruct the awl and needle of the sewing machine.

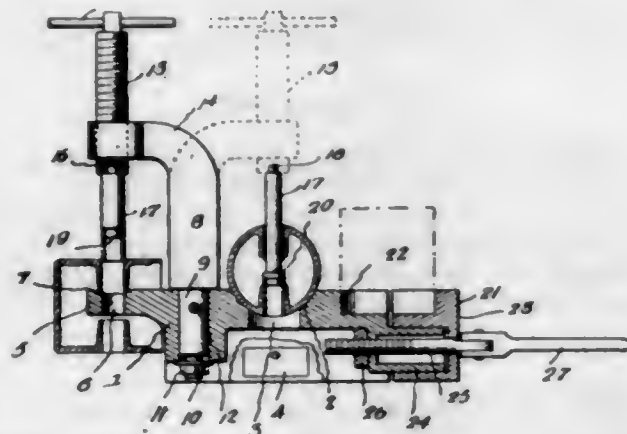
1,511,908. DIFFERENTIAL LOCK. JACK IVAN PICKERING, Hounslow, England. Filed Feb. 27, 1924. Serial No. 695,499. 1 Claim. (Cl. 74-100.)



In combination with an axle housing a bell-crank lever fitted directly thereon and having a bifurcated end extending into said housing, a wheel shaft journaled in the housing and having a slotted and recessed inner end, an axially-movable spindle located within the recessed end of the shaft, a collar slidable on the shaft about the slotted portion thereof, a through pin sliding

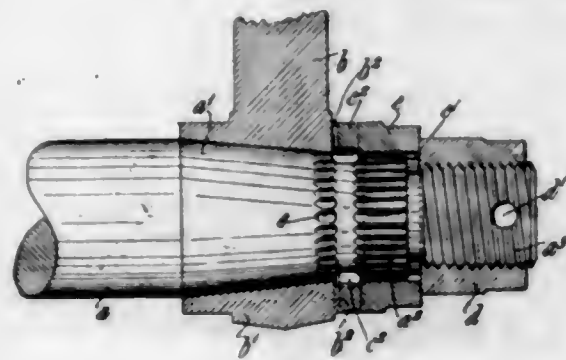
In the slotted part of the shaft, and binding said collar to the spindle, a second wheel shaft, differential wheels on the adjacent inner ends of the shafts, and normally-spaced clutch members on said shafts between the differential wheels, one of said members being fixed to the axially movable spindle which is operated by the sliding collar and bell crank lever whereby the clutch members are put into and out of engagement for locking or unlocking the differential.

1,511,909. PISTON-REPAIRING MACHINE. MARTIN E. ROGNESS, Ortle, S. Dak. Filed June 5, 1922. Serial No. 565,847. 3 Claims. (Cl. 29—882.)



1. A piston repair machine comprising a table having a piston seat and a passage communicating therewith, a drawer supported by the table directly under the passage, an extension on the table having a hole partly countersunk, a standard rotatably supported by the table, a feed screw mounted in the standard, and tools interchangeably connected to the feed screw for either forcing the bushings one at a time from the piston through the passage or to insert bushings into the piston when supported by the extension.

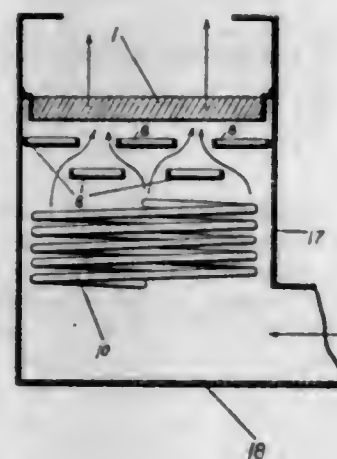
1,511,910. CHANGE-SPEED MECHANISM FOR MECHANICALLY-PROPELLED VEHICLES. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England. Filed May 14, 1924. Serial No. 713,281. 1 Claim. (Cl. 287—53.)



Mechanism comprising a rotary shaft having a conical portion adjacent one end, and also having a cylindrical portion forming a continuation of the small end of the conical portion and provided with external serrations; a control lever for said shaft having a boss formed with a conical axial opening to receive the conical shaft por-

tion, whereby said lever may be turned into the desired angular position with relation to said shaft and then shifted laterally toward the larger end of the conical shaft portion so as to bring the wall of its opening into frictional engagement with the surface of said conical shaft portion to clamp the two together; and a locking sleeve fitting on the serrated portion of the shaft and provided with internal serrations to engage the shaft serrations and thereby prevent rotation of the sleeve, the adjacent faces of the lever boss and the locking sleeve constituting companion interlocking parts to rigidly connect said sleeve to said boss, one of which parts is formed with a set of lateral projections and the other with complementary recesses to receive the same.

1,511,911. AIR-CONDITIONING APPARATUS. KARL G. RUNBACK, New York, N. Y., assignor to Midwest Air Filters, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 8, 1924. Serial No. 685,071. 5 Claims. (Cl. 183—32.)



1. In an air conditioning apparatus, a filter; a plurality of hinged supports; a plurality of fixed supports; and a receptacle associated with said supports positioned under and adapted to receive particles falling from said filter, said receptacle being removably secured by means of said hinged supports.

1,511,912. PROCESS OF PRODUCING SALTS OF AMMONIA. RAGNAR SANDAHL, Stockholm, Sweden, assignor to Oscar Ludvig Christenson, Stockholm, Sweden. Filed Aug. 20, 1923. Serial No. 658,446. 2 Claims. (Cl. 23—21.)

1. The process of producing salts of ammonia from the ammonia contained in the crude gases obtained in the destructive distillation or gasification of carbon, peat and other organic matters, which comprises first removing the tar from crude gases, then mixing the remaining gases at a temperature above 100° C. with an acid in gaseous state, and collecting the salt of ammonia formed at such a temperature as to avoid the condensing of the steam contained in the gases.

1,511,913. PROCESS AND MEANS FOR ADJUSTING TAPPETS ON INTERNAL-COMBUSTION ENGINES. LAURENCE P. SAUNDERS, Lockport, N. Y. Filed Aug. 4, 1922. Serial No. 579,738. 2 Claims. (Cl. 29—84.)

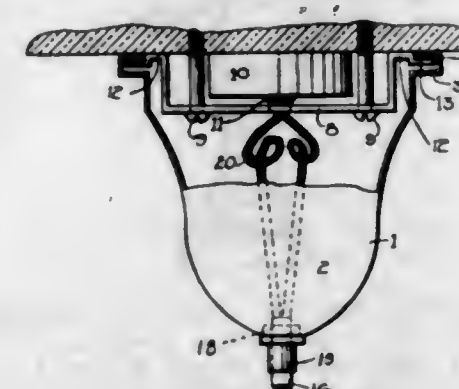
2. In an internal combustion engine, the combination of a plurality of valves having depending stems; a plurality of rotatable tappets located side by side having flattened portions and adjustable end portions adapted to contact with said valve stems; a plurality of cams to

operate said tappets; and a locking means adapted to fit said flattened portions to temporarily lock against ro-



tation a plurality of said tappets while the length of one of the latter is being adjusted to operate its corresponding valve stem, substantially as described.

1,511,914. CANOPY FOR ELECTRIC FIXTURES. ROBERT H. SAVORY, Worcester, Mass. Filed Jan. 24, 1921. Serial No. 439,591. 2 Claims. (Cl. 240—87.)

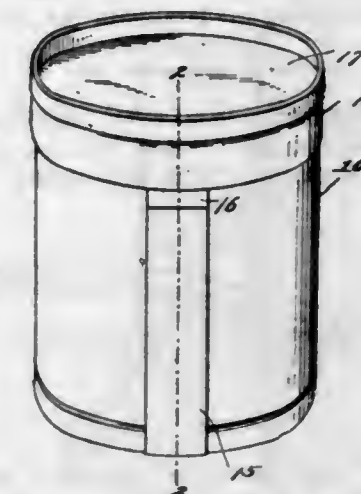


1. In a device of the class described, the combination with a U-shaped support secured to a wall or ceiling and having the end portions of its feet bent away therefrom, of a canopy having a turned-over base, portions of which are cut away to receive the ends of the feet of said support, and to allow the base of said canopy to enter into the space between the wall or ceiling and ends of said support.

1,511,915. ICE-CREAM DISPENSER. THOMAS W. SHEAK, Jacksonville, Fla. Filed Dec. 21, 1922. Serial No. 608,302. 2 Claims. (Cl. 229—7.)

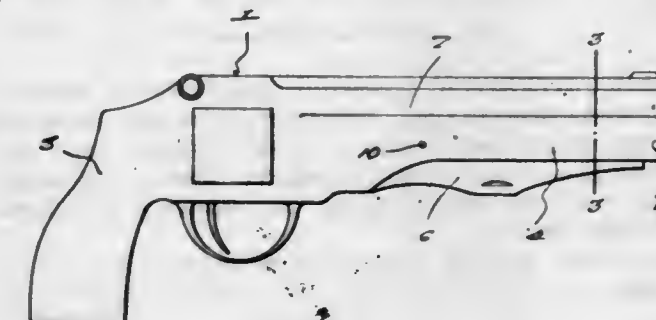
2. A container of resilient material having a longitudinal slit on one side, the edges of the container adjacent said slit normally abutting each other, a strip of tape adhesively attached to said container and connecting said edges together, said tape being rebent upon itself to form a tab adapted to be grasped by the fingers for withdrawing the same from the container, the walls

of said container being folded inwardly upon themselves at one end to provide a ledge, a disc adapted to rest on said ledge to form a bottom for the container,



a cover having an annular flange adapted to receive therein one end of the container and to cover the major portion of said tab.

1,511,916. KNIFE ATTACHMENT FOR REVOLVERS. DARR SIFES, Bethel Springs, Tenn. Filed Mar. 13, 1924. Serial No. 698,994. 1 Claim. (Cl. 42—53.)



A revolver having its barrel formed on its under side with a channeled sheath, said sheath being gradually decreased in depth from its outer end to its inner end and the bottom thereof at the last named end being curved downwardly, a shouldered cutting blade having its tang pivoted between the outer ends of the side walls of the sheath, said blade being adapted to be swung inwardly into the sheath when not in use, a cross pin extending through the side walls of the sheath and spaced a slight distance downwardly from the intermediate portion of the curved bottom of the sheath, and a flat strip of spring metal having its inner end inserted between the pin and the bottom so as to flex the inner end portion of the strip through its contact with the bottom of the sheath, whereby to place its outer free end under tension, said free end being adapted to bear on the tang of the blade.

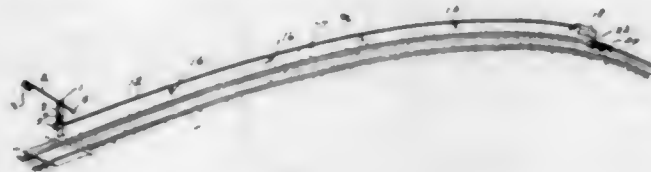
1,511,917. TIRE-CHAIN FASTENER AND LOCK. ARTHUR A. SMITH and HARRY W. PAINE, Eagle Grove, Iowa. Filed Jan. 24, 1924. Serial No. 688,279. 10 Claims. (Cl. 24—242.)



1. A tire chain fastener and lock comprising oppositely movable bars in face-to-face engagement, each bar terminating at its opposite ends in a hook or loop and a cross head, a spring surrounding the two bars and bearing against the heads of the respective bars, and a locking member pivotally mounted to the hook of one of said bars and provided with a loop for the connection

of the end link of a side-chain, said locking member having a plurality of engaging elements providing separate means of engagement with either the cross head of the adjacent bar or the spring to hold the latter under compression when attaching or detaching the tire chain.

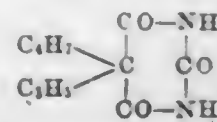
1,511,918. RAILROAD-CROSSING SIGNAL. BENNIE R. SMITH, Edwards, Mo. Filed Feb. 14, 1924. Serial No. 692,757. 4 Claims. (Cl. 246-294.)



2. A signal of the character described comprising a support, a semaphore arm pivotally connected with said support, a signal bell, a pivotally mounted striker for the signal bell, a driven shaft, a head carried by the driven shaft, abutments carried by the head for engaging the striker and imparting operative movement to the striker during rotation of the driven shaft, a pitman rod pivotally connected with the head and semaphore arm for imparting oscillating movement to the semaphore arm during rotation of the driven shaft, and train operated means for imparting rotary movement to the driven shaft.

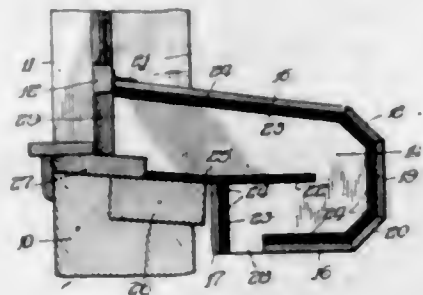
1,511,919. HYPNOTIC. LUDWIG TAUB, LUDWIG SCHÜTZ, and KURT MEISENBURG, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Aug. 27, 1923. Serial No. 659,660. 1 Claim. (Cl. 260-337.)

As a new product crotylallylbarbituric acid of the formula:



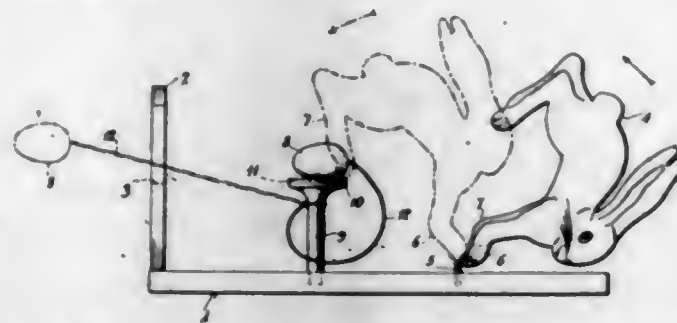
crystallizing from water in the shape of white needles melting at 125-126° C.; forming salts with alkali metals and calcium; and being a valuable hypnotic, substantially as described.

1,511,920. WINDOW VENTILATOR. HAROLD G. TREIGILLUS, Cuba Township, Lake County, Ill. Filed July 17, 1920. Serial No. 397,068. 3 Claims. (Cl. 98-31.)



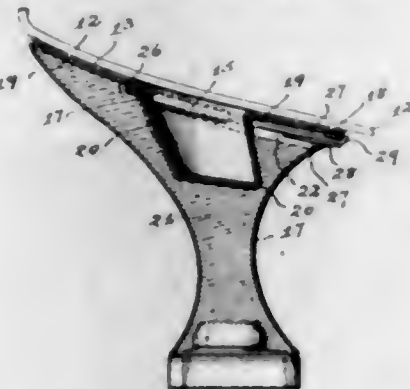
3. In combination with a building having an opening in one of the walls thereof, a ventilator having an opening in one of its sides and an opening in its bottom, a deflector plate extending substantially horizontally from the front wall of the ventilator and terminating short of the rear wall thereof, a sound absorbing lining for said ventilator and said deflector plate, and means for securing said ventilator to the building with the opening in its side in register with the opening in the building wall.

1,511,921. TOY. ELEANOR P. VANCE, Tryon, N. C. Filed Apr. 5, 1922. Serial No. 549,670. 3 Claims. (Cl. 46-59.)



1. A toy comprising a base, a member provided with a goal supported by said base, an oscillatory striker secured to said base having a portion for engagement with a projectile, a pedestal mounted on said base between said goal and said striker, said pedestal having a concave upwardly directed face, said striker being of greater height than the pedestal and secured to the base at such distance from the pedestal as to cause the path traversed by the projectile engaging portion, when oscillated to intersect the supporting face of said pedestal, a projectile adapted to be freely seated upon said supporting face, the latter and the engaging portion of the striker being divergent toward the goal at the moment of contact between the striker and projectile, said projectile being guided by the sloping walls of said supporting face whereby the trajectory of said projectile in its path of travel toward said goal is elevated.

1,511,922. DETACHABLE HEEL FOR SHOES. ROBERT A. WADE, Jersey City, N. J. Filed Feb. 6, 1922. Serial No. 534,302. 4 Claims. (Cl. 36-42.)



1. In a detachable heel for shoes, an attaching plate carried by the shoe, a projection extending from said plate, a heel, a plate carried by the heel and provided with a socket to receive the extension of the shoe carried plate and yieldable means extending through the walls of the socket and engaging the grooves of the extension to removably hold the heel in position.

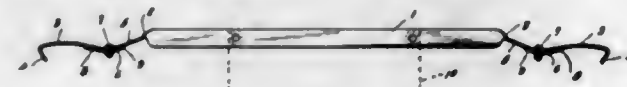
1,511,923. LOOSE-LEAF BINDER. SAMUEL M. WAGMAN, Hagerstown, Md. Filed Apr. 20, 1921. Serial No. 462,840. 8 Claims. (Cl. 129-8.)



5. A loose leaf binder having front and rear covers with a flexible back connection, attaching strips secured to the covers and in part projecting inwardly from the latter, rigid curved retaining posts associated and

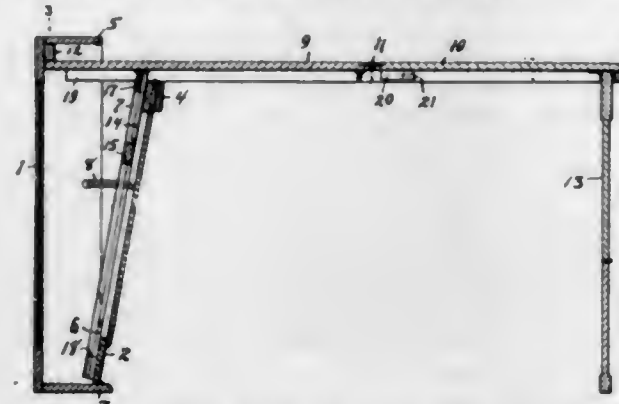
cooperating with the attaching strips, rigid curved intermediate transfer posts free of said attaching strips, loose leaves through which the posts are inserted, and locking means separably engaging the ends of the retaining posts.

1,511,924. FENDER BRACE. ARCHIE WALKER, Cedar Grove, La. Filed Mar. 29, 1923. Serial No. 628,479. 1 Claim. (Cl. 280-152.)



A fender brace consisting of a bar having fender-engaging means adjacent one end thereof, a fender-engaging clip to coact with said means, a fastening securing said clip to the bar for reversal end to end, said clip being substantially V-shape in contour and disposed against the under surface of the bar, the portion of the bar engaged by the clip conforming in shape thereto to overcome turning movement of the clip on said fastening when the brace is fastened in place, said clip being selectively engageable at each end with fenders, and said fastening being disposed nearer one end of the clip than the other end of the clip.

1,511,925. POCKETED TABLE. AUGUSTUS F. WASMUTH, Huntington, Ind., assignor to Wasmuth-Endicott Company, a Corporation of Indiana. Filed Jan. 12, 1924. Serial No. 685,723. 4 Claims. (Cl. 45-51.)



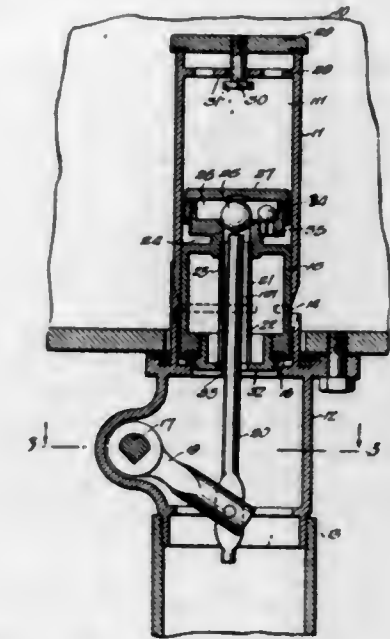
4. In a pocketed table, a cabinet, the front of which is hinged at its lower end and has limited outward swinging movement; a frame slidably mounted in connection with said front upon the inner side thereof, having vertical movement; a table top hinged to the frame; and a stop in the cabinet cooperable with the upper end of the swinging front for sustaining the table when in horizontal position.

1,511,926. SAFETY PIN. HERMAN P. WESTERBERG, Simsbury, Conn. Filed Oct. 22, 1923. Serial No. 670,152. 1 Claim. (Cl. 24-156.)



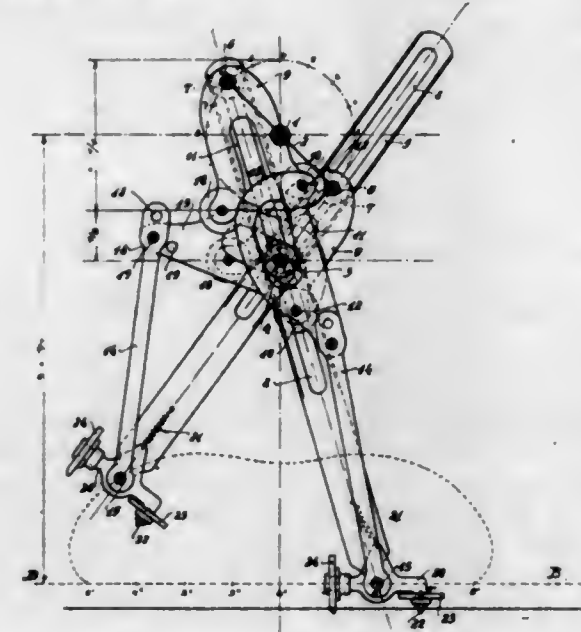
As a new article of manufacture, a safety pin comprising a body bar, a pin proper connected by spring means with one end of said body bar and having a point and a notch in the outer side of the pin proper and in spaced relation to said point, and a combined keeper and housing carried by the body bar and having a U-shaped portion with an outer bight to receive and guard the point portion of the pin proper and also having an inwardly directed catch at the end of the said outer bight adjacent to the spring means to seat in the notch of the pin proper and hold said pin proper when the safety pin is subjected to undue strain.

1,511,927. FLUSHING VALVE. WILLIAM SEARS WHITE, Denver, Colo. Filed July 17, 1923. Serial No. 652,126. 3 Claims. (Cl. 137-93.)



3. A valve of the class described comprising a casing having an inlet for water near its lower end, a hollow piston operating in said casing and formed with a separate chamber at the top of the piston, said piston having a passage establishing communication between the piston and the said chamber, a valve controlling said passage, a second valve controlled passage leading from said chamber to the interior of said casing, and a manually movable pin extending upwardly through the bottom of the casing and adapted to displace the first-mentioned valve and cause the piston to rise in the casing; together with a tube in the hollow piston surrounding said pin and slotted at its lower end, the lower end of the piston having a hole for the inflow and outflow of water.

1,511,928. STRIDING-MOTION DRIVING GEAR FOR MOTOR VEHICLES. VACLAV ZBORIL, Bystřitz, Czechoslovakia. Filed Aug. 22, 1922. Serial No. 583,644. 5 Claims. (Cl. 180-8.)



1. A driving gear for motor vehicles, having striding levers each moved by means of a driving crank and in which the said levers serve as exclusive carrying members for the vehicle, devices connected to said levers for elevating and depressing them, a guide roller on which said levers slide, the axle of which is arranged a distance approximately equal to one-third of the diameter of the

crank circle beneath the lowest point of such circle, while the distance of the crank axle from the ground corresponds approximately to three times the diameter of the crank circle.

1,511,929. MANUFACTURE OF PHOSPHORIC ACID. HORACE EDWARD ALCOCK, Luton, England, assignor to B. Laporte Limited, Luton, England. Filed May 5, 1924. Serial No. 711,224. 6 Claims. (Cl. 23-1.)

1. A process for the manufacture of phosphoric acid which consists in causing a phosphate in aqueous solution and barium sulphide to react, collecting the precipitate thus produced and decomposing this precipitate with sulphuric acid.

6. A process of purifying phosphoric acid which consists in mixing a solution of the phosphoric acid with caustic soda and sodium carbonate, causing the solution of sodium phosphate thus obtained to react with barium sulphide and decomposing the barium phosphate thus produced by means of sulphuric acid in proportion less than that chemically equivalent to the barium phosphate.

1,511,930. HAIR CRIMPER. HELEN M. ANDALORO, Pittston, Pa. Filed Dec. 27, 1923. Serial No. 683,013. 2 Claims. (Cl. 132-38.)



1. A hair crimper comprising a head strap, a clasp at one end of the strap, and a plurality of crimping straps attached at one end to the opposite end of the head strap and adapted to be brought together and adjustably connected to the opposite end of the strap by means of the clasp.

1,511,931. SAFETY CATCH AND METHOD OF MAKING THE SAME. FRANK O. ANDERSON, Minneapolis, Minn.; Ruth V. Anderson administratrix of said Frank O. Anderson, deceased. Filed June 28, 1922. Serial No. 571,466. 16 Claims. (Cl. 24-157.)

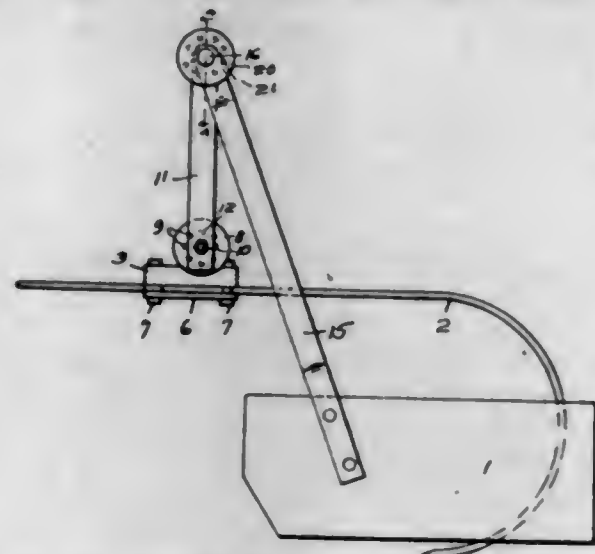


1. A hinged device comprising two members mounted for relative swinging movement, one of said members having adjacent substantially parallel portions, one of which has an aperture formed therein and the other of said members having adjacent substantially parallel portions, one of which has an integral projecting teat or pin, said members being disposed in overlapping relation with the said teat or pin in one disposed in the aperture in the other whereby the members are held in swingingly connected relation, the portions parallel to the portions having the teat and aperture forming smooth exteriors.

1,511,932. FENDER ATTACHMENT FOR CULTIVATORS. ROY R. ARCHLEY, De Kalb, Tex. Filed Oct. 16, 1923. Serial No. 668,820. 2 Claims. (Cl. 97-188.)

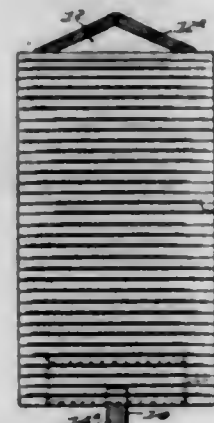
1. The combination with the ground working element of a ground working tool and the fender therefor of which the latter is provided with an arm, of a member secured to the shank of the ground working element, a

standard carried by said member and connected with the fender arm, a single bolt securing said standard to said



member, and positive means securing said standard in various positions of adjustment upon the tightening of said bolt.

1,511,933. FILM HOLDER. ARTHUR H. BARNES, Montgomery City, Mo. Filed Sept. 21, 1921. Serial No. 502,171. 1 Claim. (Cl. 229-92.)

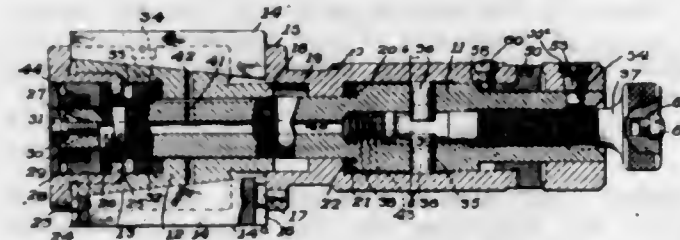


A film transporting holder comprising an elongated sheet, a flap applied to one side of the sheet and at the end thereof, said flap having its end edges spaced from the side edges of the sheet, the said flap being provided around its edge beyond the end of the sheet with an adhesive, the said adhesive being upon that side of the flap which is attached to the side surface of the sheet, a tongue applied to the opposite end of the sheet and having a portion projecting beyond the adjacent end of the sheet, an adhesive carried by the side of the tongue which is disposed away from the adjacent side of the sheet, the side edges of the tongue being spaced from the side edges of the sheet, and the median longitudinal dimension of the tongue being aligned with the median longitudinal dimension of the sheet and aligned with the transverse dimension of the flap which is located midway between the ends of the flap.

1,511,934. ADJUSTABLE GAUGE. JOHN BATH, Worcester, Mass., assignor to John Bath & Co., Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1920. Serial No. 351,686. 13 Claims. (Cl. 33-178.)

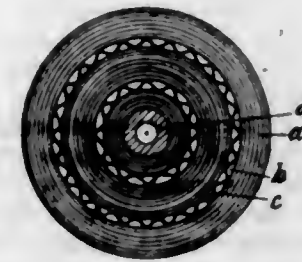
1. An adjustable gauge comprising a casing, a threaded shaft rotatable therein, an actuating member threaded on said shaft and longitudinally movable thereby, a plurality of gauge bars movable radially by said member, said member and gauge bars having engaging surfaces disposed at a relatively slight inclination to the axis of said shaft, and means to hold said shaft in adjusted

angular position in said casing, said means comprising a pair of radially movable blocks having notched inner ends, and a longitudinally movable clamping screw having



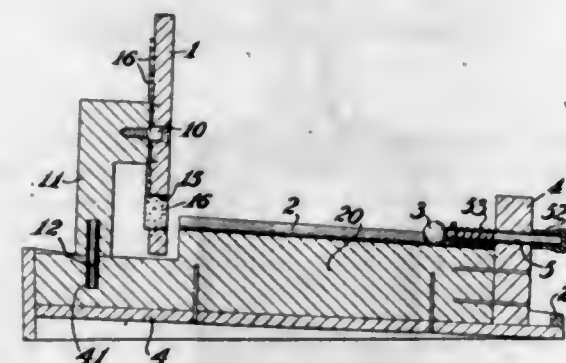
a conical end engaging the notched inner ends of said blocks, to force the same outwards against the inner surface of said casing.

1,511,935. ELECTRICAL CONDENSER. ERNEST A. BAYLES and HAROLD HIGHAM, Helsby, England. Filed July 20, 1921. Serial No. 486,169. 1 Claim. (Cl. 250-41.)



An electrical condenser unit, including a hollow core, a predetermined thickness of a strip composed of a layer of conductor and a layer of dielectric wound on said core, a layer of corrugated material wound around said condenser layer with the corrugations extending lengthwise the layer, a second layer of conductor and dielectric material wound about said corrugated material to the desired thickness, a further layer of corrugated material wound about said second layer of condenser unit, and a further layer of condenser unit material wound about said second corrugated layer, whereby the unit is made up of successive layers of condenser material wound upon strips of corrugated material as and for the purpose described.

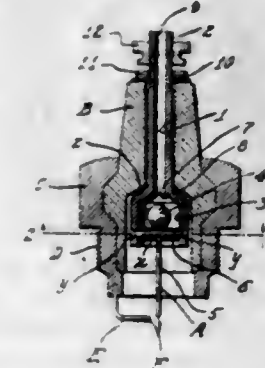
1,511,936. GAME. OSCAR BECKLIN, Seattle, Wash., assignor to Becklin Mfg. Co., Seattle, Wash., a Corporation of Washington. Filed Feb. 20, 1922. Serial No. 537,739. 2 Claims. (Cl. 46-61.)



1. A game apparatus including a rotatable target having thereon play controlling indicia, a trough inclined upward towards said target and terminating adjacent the indicia carried by the same, means for projecting a projectile up the trough from its lower end, and a ball of greater diameter than the space between the trough and target projectile along the trough by said projecting means, and adapted by gravity to remain at the lower end of the trough.

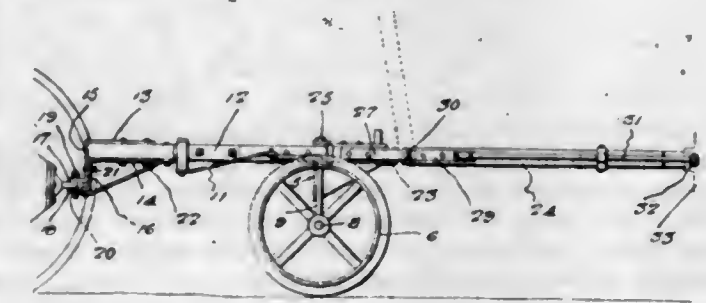
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1,511,937. ELECTRODE FOR SPARK PLUGS. WILLIAM GLADSTONE BENTLEY, Wichita Falls, Tex., assignor of one-third to Felbert A. Ray and one-third to Z. Robert White, both of Wichita Falls, Tex. Filed Nov. 1, 1922. Serial No. 598,349. 3 Claims. (Cl. 123-169.)



1. An electrode for spark plugs comprising an elongated member having a passage therethrough, said member having a valve chamber at one end thereof communicating with said passage and open at one end thereof, a valve in said chamber, a cross-rod extending diametrically across said open end of said chamber and having its ends secured thereto to obstruct said opening and retain said valve in the chamber, and an electrode depending from said rod.

1,511,938. BINDER TRACTOR HITCH. THOMAS J. BOWEN, Lees Summit, Mo. Filed Aug. 3, 1922. Serial No. 579,438. 3 Claims. (Cl. 280-82.)



1. A device of the character described comprising a wheeled truck, a tongue extending forwardly from the truck for attachment to a tractor, a tongue extending rearwardly from the truck for attachment to a trailer, said last mentioned tongue comprising a stub section pivoted at one end to the truck for swinging movement in a horizontal plane, plates carried by the stub section and projecting beyond the free end thereof, a main section, complementary plates carried by the main section and projecting beyond the rear end thereof, and a pivot connecting the projecting ends of the plates of the two sections together, arranged to permit swinging movement of the main section in a vertical plane.

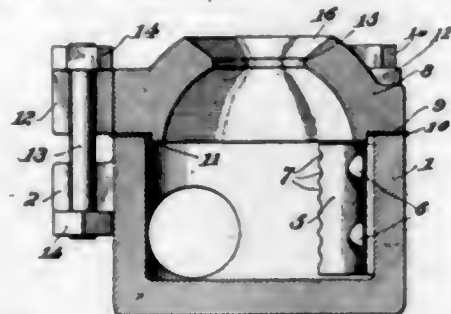
1,511,939. MOLDING SAND. JOHN A. BOUGHTON, Everett, Ohio. Filed Oct. 26, 1922. Serial No. 597,172. 1 Claim. (Cl. 22-217.)

As an article of manufacture, a high grade molding sand, comprising a base sand which is high in silica and of a uniform grade, each grain of said base sand being coated with clay which is high in silica, sesquioxide of iron, and alumina, but which is low in lime and alkalies.

1,511,940. NONCLOGGING SPRAY NOZZLE. F. WALTER BOYER, Wadsworth, Ohio. Filed Sept. 22, 1923. Serial No. 664,304. 2 Claims. (Cl. 299-114.)

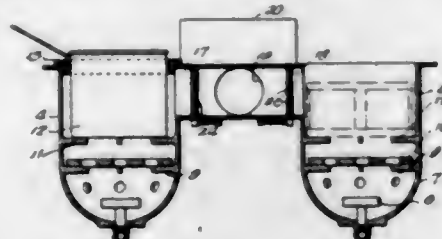
1. A spray nozzle for disintegrating sewerage and the like comprising a cylindrical body part having a tangential inlet connection, a serrated blade inwardly directed

from its inner wall, and a plurality of outwardly directed lugs arranged in pairs, and a dome-shaped cover member having a restricted discharge orifice and a plurality



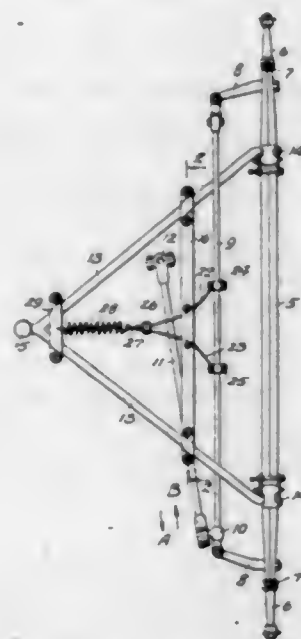
of outwardly directed lugs arranged in pairs and adapted to seat over the similar lugs on the body part with bolts adapted to seat between said lugs to secure said top to the body part.

1,511,941. STOVE. ISALAH WASHINGTON BROMON, Wilkesburg, Pa. Filed Aug. 16, 1923. Serial No. 657,792. 6 Claims. (Cl. 126-214.)



1. A gas stove, comprising a body, a plurality of pockets carried by the body, tubular members connecting said pockets, a damper arranged in each of the tubular members, a burner arranged in the lower part of each of the pockets, a plurality of brackets in each pocket for supporting an article to be heated, and a packing member adapted to surround the article to be heated, said packing member being positioned adjacent the top of the pocket whereby excess heat and products of combustion will be caused to pass through certain of said tubular members to adjacent pockets.

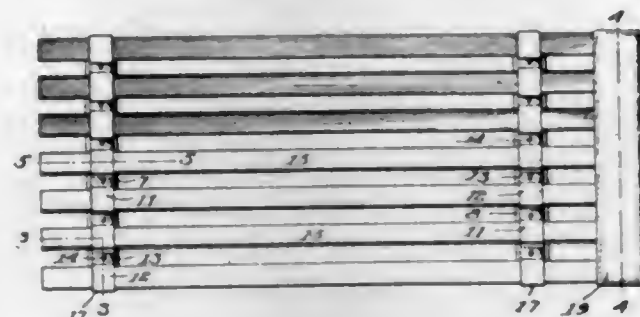
1,511,942. AUTOMOBILE WHEEL-ALIGNING DEVICE. WELBY E. BURGIN, Campbellville, Ky. Filed Dec. 23, 1922. Serial No. 608,709. 1 Claim. (Cl. 280-89.)



In combination with a radius rod of the V-type and the steering gear of a motor vehicle, a bar connected to the legs of said radius rod, a plurality of spaced rollers carried by said bar, a spring connected at one end to the

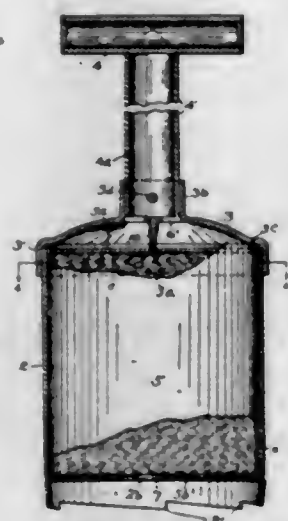
radius rod, diverging flexible elements secured to the other end of the spring, said diverging flexible elements passing between the rollers, and means for securing the free end of each of said diverging flexible elements to the tie-bar of the steering gear, the distance between the points of securement of said flexible elements being greater than the distance between the spaced rollers carried by the transverse bar.

1,511,943. AUTOMOBILE CREEPER. JOHN M. BUSH, York, Pa. Filed Nov. 19, 1923. Serial No. 675,636. 2 Claims. (Cl. 280-615.)



2. In a device of the character described the combination with a plurality of channel-bars which are flat at their two ends and are concave in a longitudinal direction between said flat ends said bars being open at each end between the side flanges which form the channel and the upper surface of each channel-bar being free of projections, of a series of slats laid upon the upper surface of the channel-bars and extending at right angles with respect to the latter, a spacer bar extending over each channel bar and each spacer bar having means for engaging each slat to space the slats one from the other said spacer bars also holding the slats against longitudinal movement and in a direction at right angles to the channel bars and the opposite ends of the spacer bars being clinched around and under the open ends of the channel bars between the side flanges of the latter, and casters beneath the ends of the channel bars.

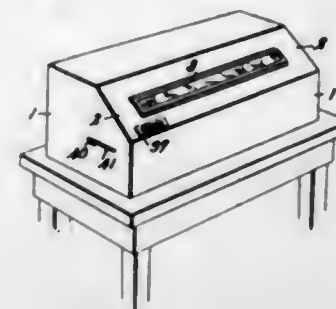
1,511,944. CARTON FILLER. WALTER W. CHAMBERLAIN, Watertown, N. Y. Filed May 18, 1923. Serial No. 639,855. 2 Claims. (Cl. 226-19.)



1. A carton filler comprising a cylindrical body open at both ends and formed at one end with a cutting edge and an inwardly set, inwardly pressed bead, the latter forming a stop shoulder for a carton inserted from the opposite end of the body, a cutting wire stretched across the first end of the body and having its ends secured to the bead, a removable cap closing the said opposite end

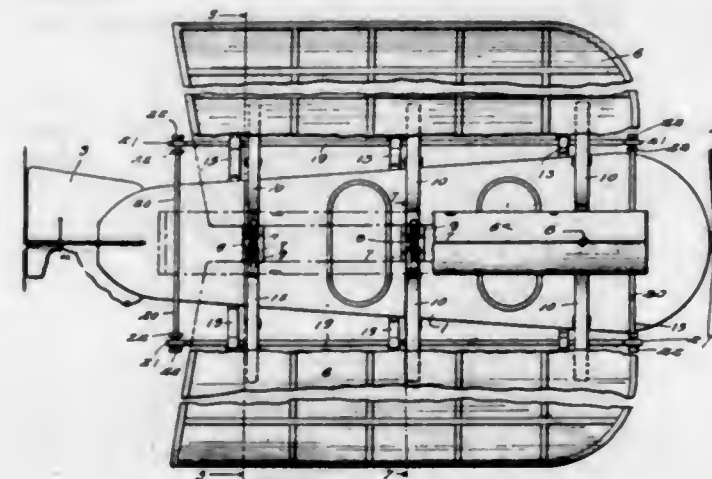
of the body and formed with a central sleeve, a piercing prong supported at the base of the sleeve, and a hollow handle secured in the sleeve and provided with an air vent.

1,511,945. CALCULATING OR COMPUTING MACHINE. JOHN W. CHASE, Bangor, Me. Filed July 24, 1922. Serial No. 577,109. 16 Claims. (Cl. 285-87.)



1. In a calculating machine, a plurality of nested cylinders having suitable indicia on their peripheries and each having a longitudinal slot, an indicator, means for selecting a cylinder and for bringing it into proper correlation with said indicator, the said selecting means including devices for holding stationary the cylinders surrounding the selected cylinder and for moving the remainder of the cylinders with said selected cylinder.

1,511,946. MONOPLANE. CLEMENT I. CLARKE, Philadelphia, Pa. Filed Nov. 17, 1923. Serial No. 675,350. 10 Claims. (Cl. 244-20.)

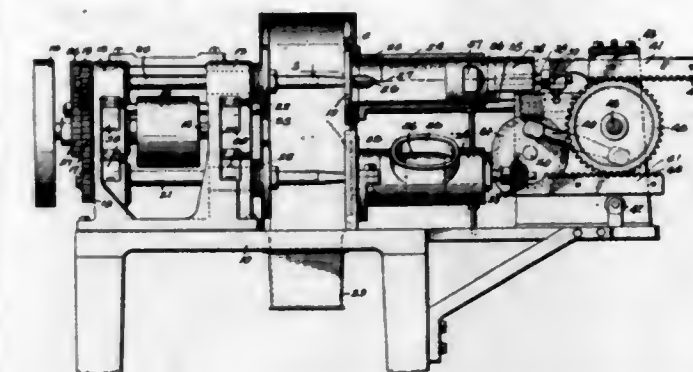


1. A plane for a flying machine, the same comprising oppositely disposed wings, each of which consists of spaced members pivotally connected and interposed weldable connecting means.

2. In a flying machine, a wing, ribs applied to the underside of the wing and pivotally mounted at one of their ends, a yielding support for the other ends of the ribs, and means for imparting an oscillatory movement to the wing having direct connection with the rib thereof.

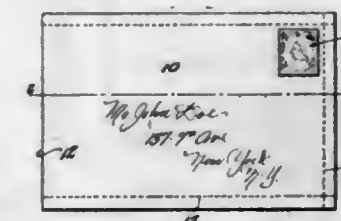
10. In a flying machine, a pivoted wing, a shaft, eccentric connections between the shaft and wing for imparting an oscillatory movement to the latter, a motor, gearing connecting the shaft of the motor with the before mentioned shaft, a pulley fast to the shaft of the motor, a belt passing around said pulley, a lever provided with a roller in contact with said belt, and means for holding the lever in an adjusted position, the belt, pulley, roller and lever operating as brake means for controlling the speed of the motor.

1,511,947. COCONUT-SHREDDING MACHINE. HENRY G. CODER, Jersey City, N. J. Filed July 3, 1923. Serial No. 649,322. 15 Claims. (Cl. 146-7.)



1. In a coconut shredding machine, a shredding mechanism, means for feeding coconuts thereto, and means controlled during an operation of said feeding means for preventing the feeding of more than one coconut to said shredding mechanism.

1,511,948. ENVELOPE. HAMILTON DUDLEY COLEMAN, Biloxi, Miss. Filed Oct. 8, 1923. Serial No. 667,245. 1 Claim. (Cl. 229-73.)



A mailing device including a wrapper and an envelope, said envelope comprising a rectangular blank provided with a row of perforations extending completely around the same adjacent to its perimeter, a portion of the blank lying between the perforations and the perimeter being coated with adhesive, said blank being folded on a medial line with its corresponding edges and perforations in coincidence whereby the marginal portions of the envelope may be severed therefrom by rupturing the envelope along the superposed lines of perforations, said wrapper comprising a sheet corresponding to but larger than the mutilated envelope and having a flap, and a marginal strip of adhesive separated from the body of the sheet by a line of perforations, said wrapper adapted to receive the mutilated envelope with said adhesive-coated marginal portions folded over the edges thereof and secured to the exposed face of the envelope whereby to seal the longitudinal edges, and said flap similarly folded to seal the end of the envelope.

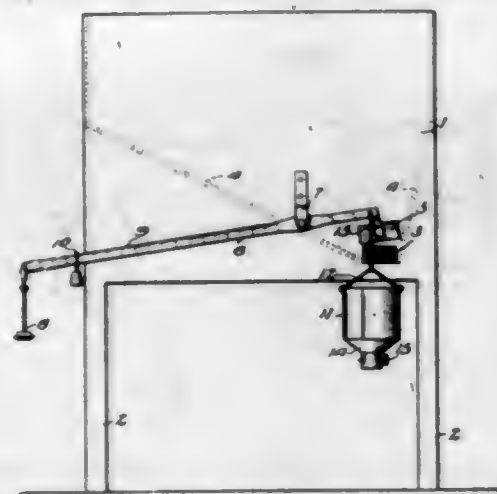
1,511,949. PRODUCTION OF PLASTIC MATERIALS AND THE PRODUCT. FREDERICK JAMES COMMINS, London, England. Filed May 24, 1921. Serial No. 472,284. 9 Claims. (Cl. 92-21.)

8. In a process for manufacturing composite material from pitch and fibrous material, consisting in adding to a slurry of the fibrous material a pitch ground to an extremely finely divided and deflocculated condition, in a peptising solution containing sodium rosinate, and felling the product.

1,511,950. BIN SCALE. ALFRED DEBAY, Tarentum, Pa. Filed Feb. 6, 1923. Serial No. 617,329. 5 Claims. (Cl. 249-1.)

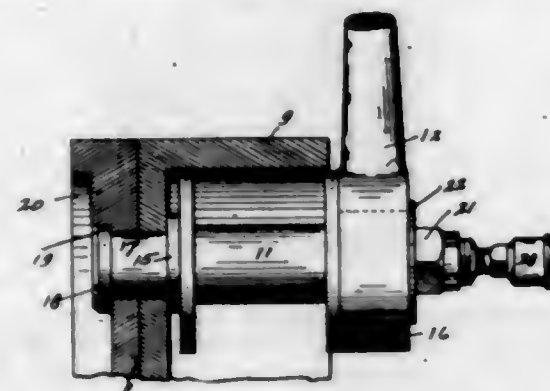
1. An apparatus of the character described, comprising a bin having a discharge opening therein, a scale, a gate operatively connected to the scale and adapted to

close said opening, a receptacle connected to the scale and located in a position to receive the discharge from



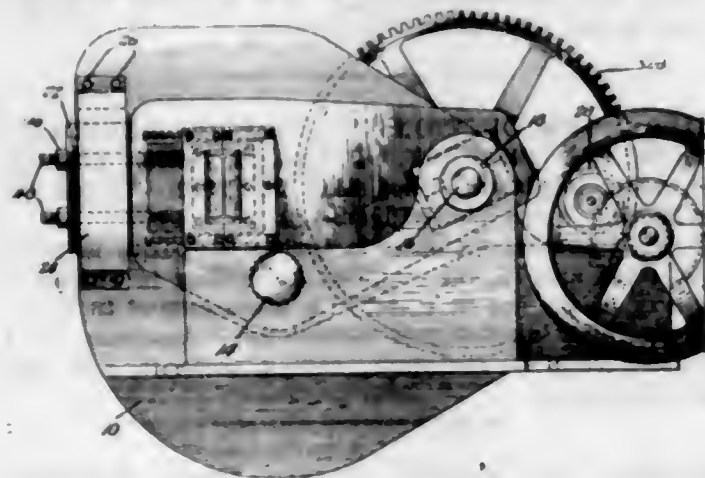
said opening, and movable platform sections located in the discharge opening and in the path of movement of the gate.

1,511,951. BRAKE-CAM PIN. WILLIAM W. DILLER, Indianapolis, Ind. Filed Mar. 3, 1923. Serial No. 622,481. 3 Claims. (Cl. 188-2.)



1. In a device for the purposes specified, the combination with a disk having an offset and a brake-cam, of a pin seated in a hole in the disk, said pin having a head flattened on one side with the flattened side against the offset of the disk, said pin having the end opposite the head screw-threaded, a nut on the threaded end and a spacing sleeve mounted on the pin intermediate the disk and nut on which pin the cam is mounted.

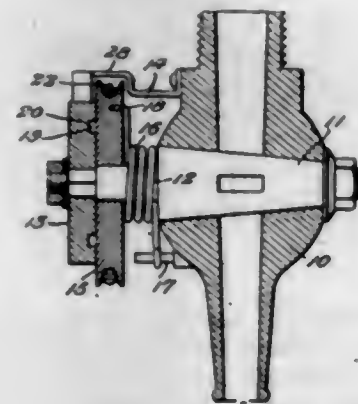
1,511,952. SHAPES SHEAR. HARRY J. DONAHOO, Moline, Ill. Filed Jan. 10, 1923. Serial No. 611,811. 4 Claims. (Cl. 164-40.)



1. In a shapes shear, a frame, a cutting member movable with respect to the frame, removable cooperating cutting dies positioned in both the frame and the cutting member, a pivotal point upon which the movable member

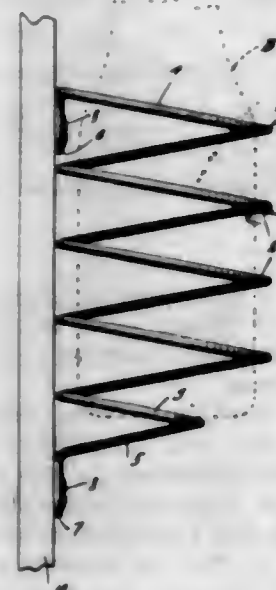
is positioned, whereby the dies in the movable member are adapted to be moved in an arc about said pivotal point, and means for accomplishing said arcuate movement of the dies, said means including a shaft passing through the frame and the movable cutting member, and an eccentric cam on said shaft adapted to cooperate with the cutting members.

1,511,953. DRAINING DEVICE. JAMES DWYER, Colorado Springs, Colo. Filed June 6, 1921. Serial No. 475,365. 2 Claims. (Cl. 137-139.)



1. A valve including a rotary valve member, a stem extending therefrom, a toothed wheel secured upon the stem, a grooved wheel mounted for free rotation upon the stem, a flexible element operating in the groove, whereby the wheel may be rotated, means extending from the face of one wheel for detachable engagement with the adjacent face of the other wheel, whereby rotation of the free wheel will rotate the toothed wheel in one direction and means engageable with the toothed wheel to prevent rotation of the latter in an opposite direction and to guide the flexible element within the groove.

1,511,954. MILK-BOTTLE HOLDER. JACOB JAMES ELLIOTT, Bethlehem, Pa. Filed Aug. 13, 1923. Serial No. 657,221. 1 Claim. (Cl. 248-65.)



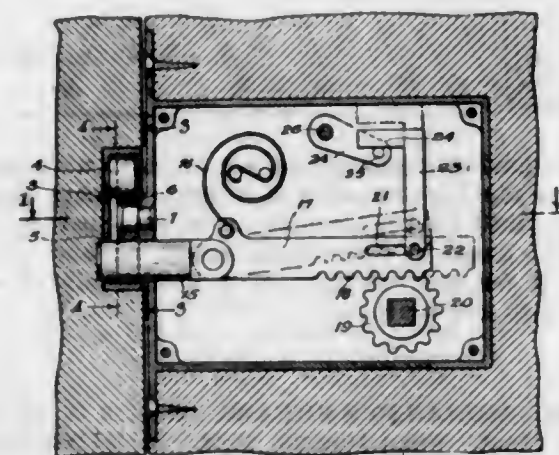
A milk bottle holder in the form of a unitary structure consisting of a single heavy wire bent to form a spiral, a plurality of the coils of which are of uniform size, the lowermost coil being smaller to form a rest for the bottle, and the terminal coils being equipped with attaching eyes.

1,511,955. CONCRETE FORM FOR LOG CABINS. ISAAC W. FISHER, Escondido, Calif. Filed May 20, 1924. Serial No. 714,633. 3 Claims. (Cl. 25-181.)



1. A mold for forming a structure of concrete, the same comprising spaced inner and outer sections and corner sections, the latter being hingedly connected to one another and to adjacent ends of the outer sections, and means detachably connecting the free edges of the corner sections to the free edges of the adjacent outer sections.

1,511,956. LOCK MECHANISM. ERNEST FLAGG, New York, N. Y. Filed Mar. 29, 1923. Serial No. 626,165. 5 Claims. (Cl. 292-172.)

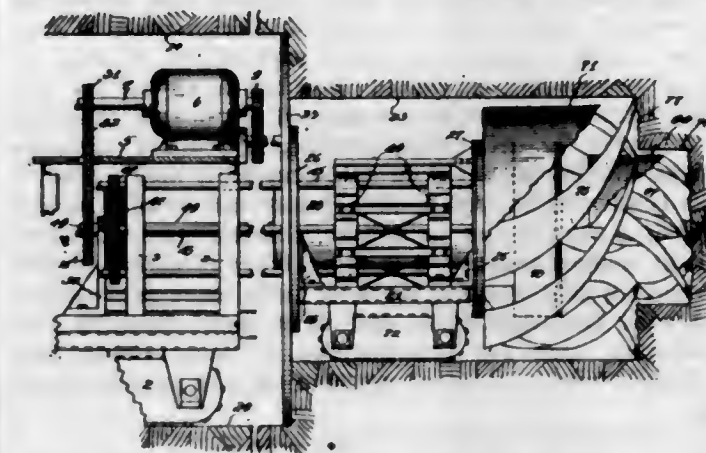


1. A lock mechanism for doors, which includes a projection on a door jamb, said jamb having a bolt-receiving socket therein, a movable member on the end of the door normally lying in the path of the bolt to restrain the bolt in a retracted position, said movable member engageable with the projecting member on the jamb when the door is closed to move the member on the door out of the path of the bolt, and means for projecting the bolt into said socket when so released.

1,511,957. HORIZONTAL EARTH-BORING MACHINE. THEOPHIL J. FREDA, Detroit, Mich. Filed Nov. 14, 1921. Serial No. 514,860. 27 Claims. (Cl. 262-7.)

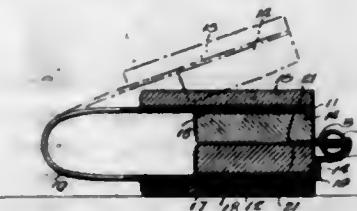
1. An earth boring machine of the horizontal type, comprising a tractor, an endless apron conveyor of greater length than said tractor and driven therefrom, an earth conduit extending from the forward end of said tractor, and having its rear end discharging on to said endless apron conveyor, a spiral conveyor in said

conduit, a boring head at the outer end of said conduit adapted to deliver earth into said conduit, and means on said tractor for simultaneously operating said spiral con-



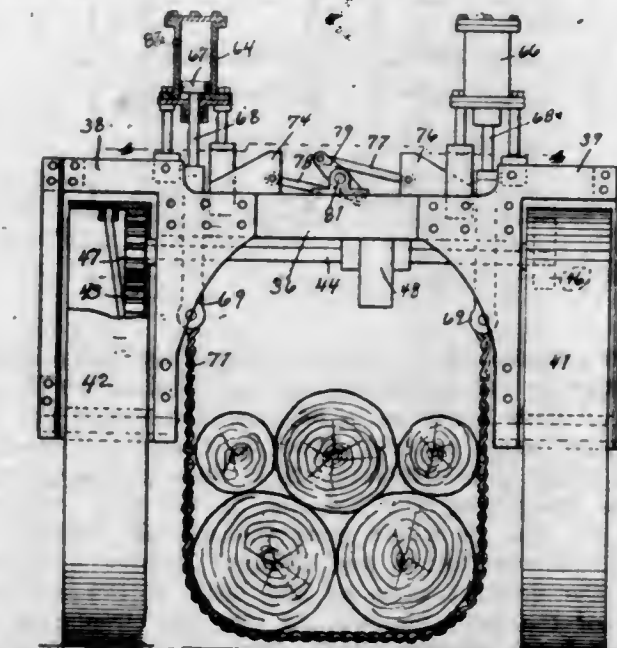
veyor and said boring head, said means being also adapted for operating said tractor and said apron conveyor.

1,511,958. BLADE HONING AND SHARPENING DEVICE. FRANK P. GALLIFOLI, New York, N. Y. Filed Oct. 19, 1923. Serial No. 669,591. 1 Claim. (Cl. 51-214.)



A razor blade honing and sharpening device comprising a resilient U-shaped member defining relatively movable arms, a pair of honing stones secured respectively to the confronting faces of the free ends of the arms having beveled confronting faces at their forward ends, and a forwardly projecting and upwardly curved extension at the free end of one of the arms constituting a guiding and supporting means for the razor during the honing operation whereby to maintain the cutting edges in juxtaposition to the beveled faces.

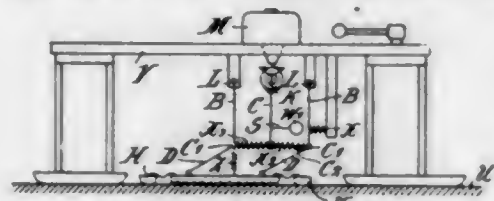
1,511,959. LOGGING TRACTOR. DANIEL W. GLASCOCK, Stockton, Calif. Filed May 2, 1923. Serial No. 636,269. 1 Claim. (Cl. 112-141.)



In a device of the character described, a chassis, parallel cross pieces secured to each end of said chassis, a yoke secured to said cross pieces and at a point outside of the outer margin of said chassis, wheels mounted

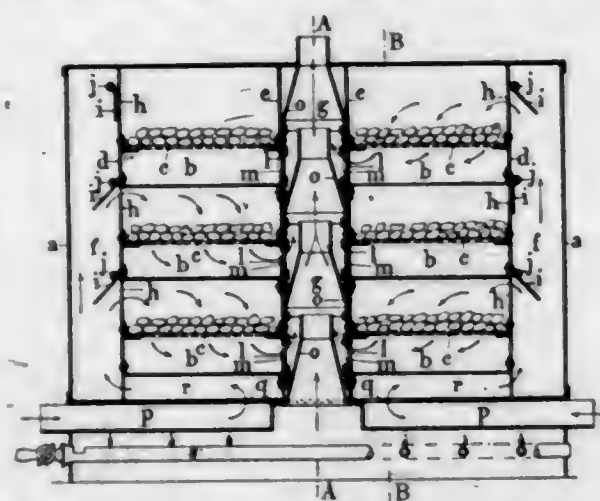
in said yokes, a steering wheel pivotally mounted at the opposite end of said chassis, cylinders mounted on said cross pieces, pistons slidable in said cylinders, connecting rods connected to said pistons and extending downwardly therefrom, a U-shaped link secured to each of said piston rods, the lower extremities of said U-shaped links being connected by a chain, means for controlling the admission of compressed air to said cylinders at a point beneath said pistons, oppositely disposed wedges slidably mounted on said chassis, a walking beam, links connected to said walking beam and to said wedges in such a manner as to impart simultaneous movement to said wedges when said walking beam is moved, means for moving said walking beam so as to move said wedges into said U-shaped links and to a point beneath said connecting rods for the purpose of maintaining said U-shaped links in a raised position for the purpose specified.

1,511,960. PROPULSION OF VEHICLES. RUDOLF GOLDSCHMIDT, Berlin, Germany, assignor to Det Tekniske Forsøgsaktieselskab, Ordrup, Charlottenlund, Denmark, a Company of Denmark. Filed July 16, 1921. Serial No. 485,374. 8 Claims. (Cl. 180-8.)



1. Mechanism for the propulsion of a vehicle other than by adhesion between driving wheels and a track or road surface comprising an oscillatory member, a connection therefrom to the vehicle permitting oscillatory movement of the member, mechanism for repeatedly and in rapid succession oscillating said member and an abutment on the vehicle for said member, whereby frequent forward impulses are transmitted in rapid succession to the vehicle.

1,511,961. EVAPORATING APPARATUS. FRANÇOIS NOËL HALARY, Paris, France. Filed June 2, 1922. Serial No. 565,329. 5 Claims. (Cl. 34-39.)



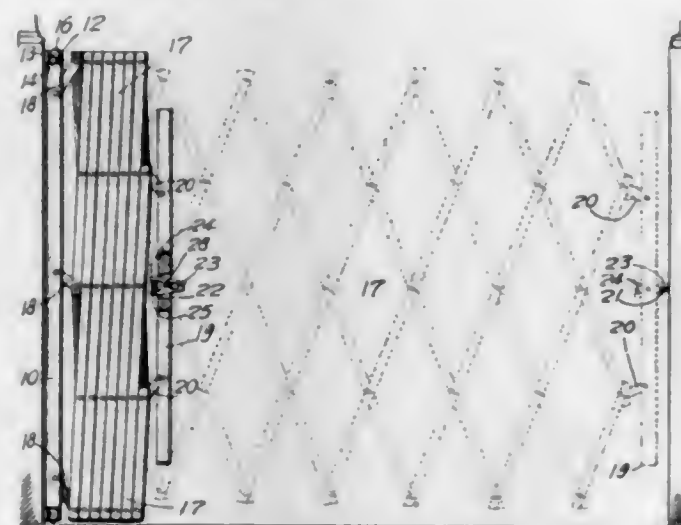
1. An evaporating apparatus comprising independent compartments for containing the material to be dried, having at their upper parts hot air inlet orifice and at their lower parts exhaust orifice, a heater for heating the air which is to circulate within these compartments, conduits conducting the hot air to the inlet orifices, a draught pipe in which open the exhaust orifices of the said compartments and draught nozzles arranged within the draught pipe, at the level of the exhaust orifices of the compartments, so that the circulation of the heated air through these draught nozzles creates, within the drying compartments, a partial vacuum ensuring the evacuation of the air laden with moisture and its replacement by hot and dry air in an automatic, instantaneous and continuous manner.

1,511,962. PUMP. EUGENE J. HANSON, Edmonton, Alberta, Canada. Filed Jan. 3, 1924. Serial No. 684,242. 4 Claims. (Cl. 103-166.)



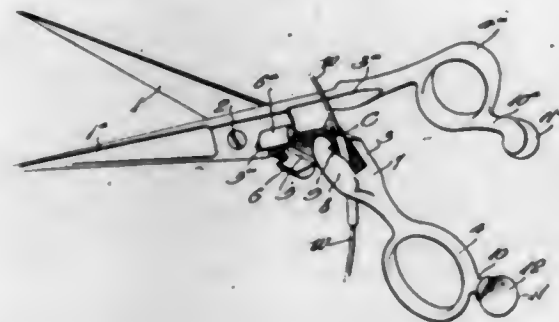
1. A pump of the type described comprising relatively movable pumping members, a shank formed on one member, a web formed on the other member, and relatively co-operating bodies carried by said members and slidably engaging said shank and web respectively, a casing adapted to receive said members, and said bodies adapted to approach each other upon movement of said members in said casing for the purpose defined.

1,511,963. PORCH GATE. JAMES G. HAUGH, Bascom, Ohio. Filed Jan. 18, 1923. Serial No. 613,413. 1 Claim. (Cl. 39-86.)



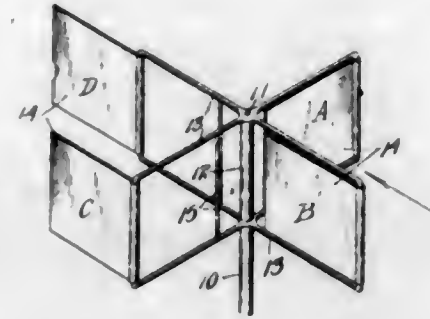
A gate having a supporting bar of wood with integral pintles at top and bottom and a hinge member that fits over the pintle and is adapted to be attached to a support, said hinge member being closed at one end and perforated for the reception of a headed pin or screw passing into the pintle.

1,511,964. MILLINER'S SHEARS. NELLIE O. HENAU, Butte, Mont. Filed May 29, 1924. Serial No. 716,792. 4 Claims. (Cl. 7-6.)



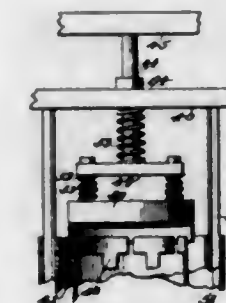
1. An improvement in milliners' shears having pivoted blades, handle-carrying shanks extending rearwardly beyond the pivot of the blades, a lateral enlargement on one shank in the inward path of the other shank, and a forwardly projecting lug on said enlargement between which and said one shank said other shank is receivable, said improvement comprising a cam at the inner side of said lug to co-act with said other shank in contracting a tubular wire-connecting clasp.

1,511,965. ADVERTISING DEVICE. HENRY K. HENNING, Newcastle, Ind. Filed July 7, 1923. Serial No. 650,133. 6 Claims. (Cl. 40-39.)



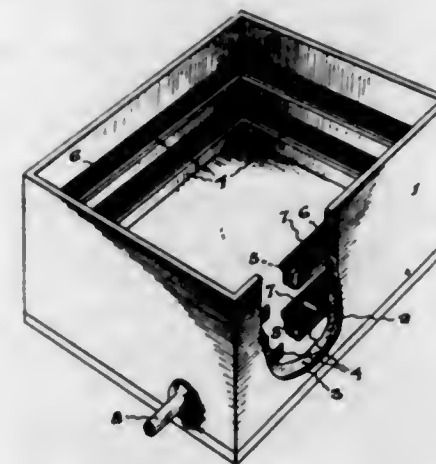
5. A windmill comprising a spindle, a hub on the spindle, radial arms on the hub, vanes journaled on the arms, and means carried by the arms to prevent the vanes from swinging past the arms, substantially as set forth.

1,511,966. CAN-CAPPING MACHINE. JAMES G. HEWITT, Cedar Rapids, Iowa. Filed Nov. 17, 1919. Serial No. 338,513. Renewed Mar. 13, 1924. 5 Claims. (Cl. 226-80.)



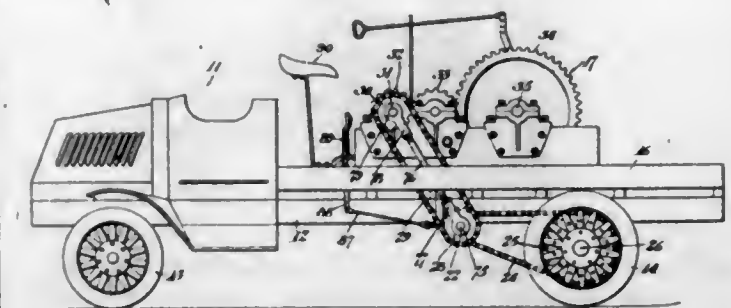
1. In a capping machine, a series of resilient shell-encasing fingers having thin, cover-receiving ends, a movable finger-holder, means to compress the free ends of the fingers, to receive the cover flange, the fingers expanding by their own resiliency, and a follower to press the cover on the shell.

1,511,967. TREATMENT OF TIN-PLATE SCRAP. ROY ALGERNON HOLLAND, Coburg, Victoria, Australia. Filed Oct. 12, 1921. Serial No. 507,330. 6 Claims. (Cl. 204-17.)



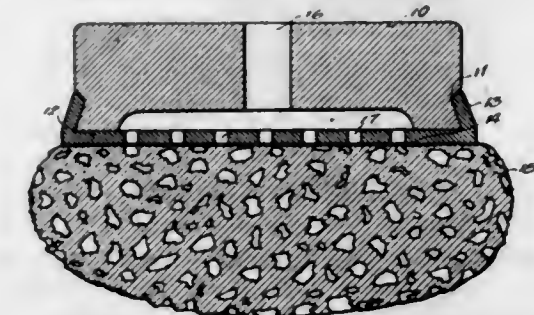
1. A process of detinning tin plate scrap consisting in immersing the tin plate scrap in an electrolyte in direct electrical contact with a metal negative to iron and tin in association with a depolarizing substance whereby galvanic action is set up resulting in the removal of the metallic tin from the scrap.

1,511,968. PORTABLE HOIST. FRANK A. HOPPER, Bakersfield, Calif., assignor of one-half to Mack-International Motor Truck Corporation, a Corporation of New York. Filed June 15, 1920. Serial No. 389,237. 2 Claims. (Cl. 180-53.)



1. In combination: a truck body comprising a floor supported by a chassis; wheels upon which said truck body is carried; a motor for driving said wheels by means comprising a single integral jack shaft; a hoist mounted upon said floor with the axis of the hoist extending across the body of the truck and provided with hoist driving means comprising a counter shaft; means comprising a lever bar and clutches movable therefrom and positioned outside said chassis and beneath said floor, for disconnecting the motor from the wheels and connecting it to said hoist driving means, the outer ends of the mentioned jack shaft and the mentioned counter shaft being interconnected, and control means on said hoist being so arranged as to be accessible to an operator on said body ahead of said hoist.

1,511,969. COMBINED SPONGE AND SPONGE HOLDER. HARRY A. HOY, Luverne, Minn. Filed Aug. 10, 1923. Serial No. 656,652. 1 Claim. (Cl. 15-130.)

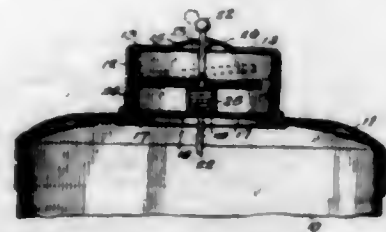


A washing device, comprising a flattened rounded head adapted to be grasped by the hand, said head having a feeding aperture extending therethrough and a distributing chamber into which said aperture opens, said head being also formed with a peripheral groove, a sponge, and a perforated sheet secured to said sponge, said sheet having an elastic rim fitting into said groove and clamping said head.

1,511,970. SIFTER-TOP RECEPTACLE AND CLOSURE THEREFOR. CLEN S. HUMPHREY, Brooklyn, N. Y. Filed Dec. 18, 1923. Serial No. 681,407. 2 Claims. (Cl. 221-62.)

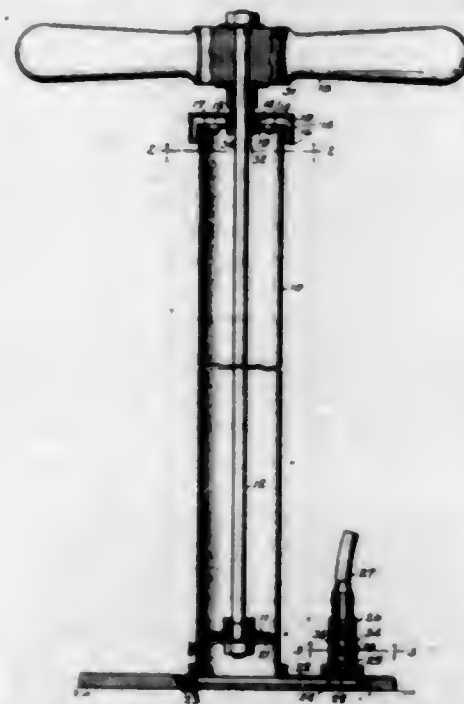
1. In a sifter top receptacle, a receptacle body, a neck provided with an upper end wall having discharge openings therein, a bearing element secured in the lower end of the neck, said upper wall of the neck and said bearing element having aligned central openings, a closure device within the neck including a closure disk, a stem extending axially through the closure disk and the aligned openings and provided with a stop engaging the upper side of the disk, an expansion spring encircling the stem and disposed between the under side of the disk and the bearing element, for normally moving the disk into

contact with the under side of the under wall of the neck to close the discharge openings therein, and a lug on the portion of the stem which normally projects above the upper wall of the neck, adapted to pass through the



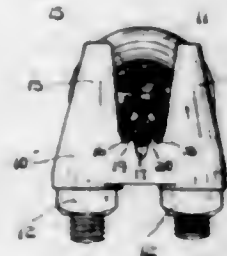
opening in said upper wall and engaging therewith for retaining the closure disk in open relation to the discharge openings, upon downward movement of the stem and disk.

1,511,971. AIR PUMP. JOHN WARWICK HUNTER, Sydneyham, Ontario, Canada. Filed Mar. 8, 1923. Serial No. 623,762. 2 Claims. (Cl. 230-27.)



1. A pump of the class described comprising a cylinder, a head on said cylinder formed of spaced inverted cups one below the other, said cups forming an air chamber, and an annular air inlet leading to said chamber, an air hole in the lower cup, and valve means controlling said air hole; together with a plunger in said cylinder and a valve controlled discharge outlet from said cylinder.

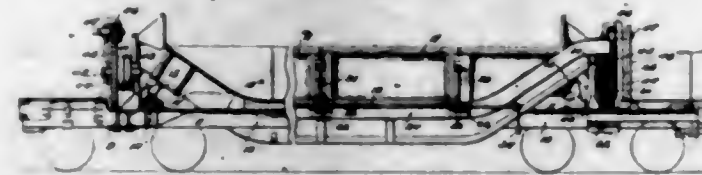
1,511,972. CABLE CLIP. EDWARD O. KEATOR, Dayton, Ohio. Filed Nov. 20, 1923. Serial No. 675,800. 6 Claims. (Cl. 24-125.)



1. A cable clip comprising a body and a cable clamping element in cooperation therewith, one of said elements having a cable receiving surface containing a groove adapted to receive one of the strands of a cable, and a wedge located adjacent to the groove with a side of each forming a side of the other, said wedge being

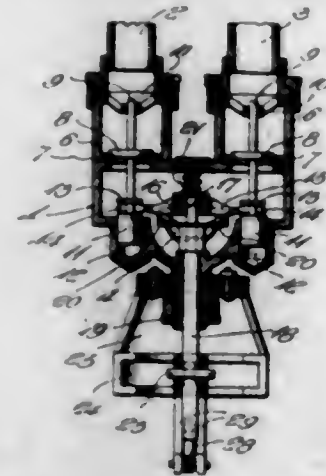
adapted to enter between and to force adjacent strands of a cable apart when the clamping element is operated, said groove being adapted to receive one of the strands thus separated.

1,511,973. DUMP CAR. WILLIAM F. KIESEL, JR., Altoona, Pa. Filed Nov. 26, 1920. Serial No. 426,556. 26 Claims. (Cl. 105-264.)



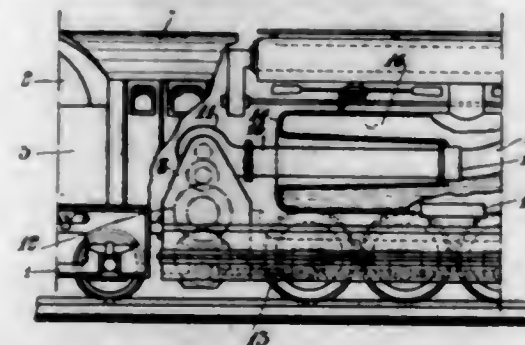
1. In a dump car, in combination, a tiltable body having a door, and two latches controlling said door one of said latches being adapted for direct manual manipulation, and the other latch being indirectly operable, for the purpose set forth.

1,511,974. DUAL VALVE. FREDERICK W. LINDEMANN, St. Paul, Minn. Filed Aug. 16, 1923. Serial No. 637,742. 7 Claims. (Cl. 277-18.)



2. A device of the class described comprising a valve containing casing, a valve operating shaft extending from said casing, a curved track carried by the casing in concentric relation with the extending portion of the shaft, and a lever pivoted to said extending portion of the shaft between its ends, one end of said lever being engaged with said track.

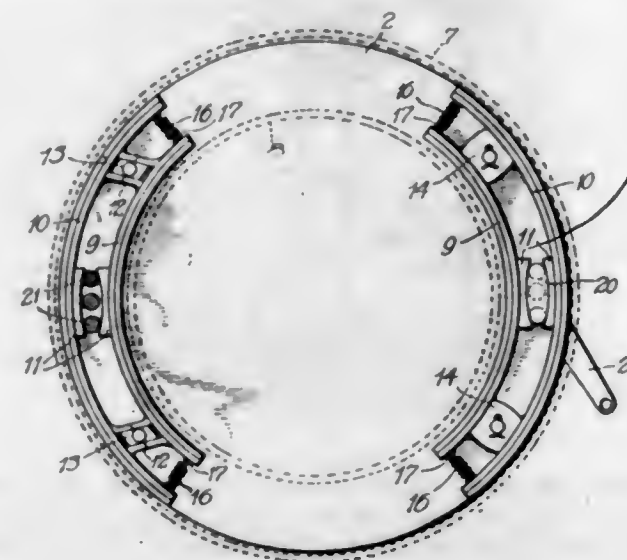
1,511,975. LOCOMOTIVE PROVIDED WITH CONDENSER. FREDRIK LJUNGSTRÖM, Brevik, Lidlington, and ISIDOR BRONZEG, Skarsatra, Lidlington, Sweden, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 29, 1922. Serial No. 585,096. 5 Claims. (Cl. 105-34.)



1. In locomotives provided with condensers and in which the power is transmitted from a steam engine to a wheel driving device by means of a toothed gearing, the waste steam supplied to the condenser passing into a condensing receptacle, an arrangement characterized by

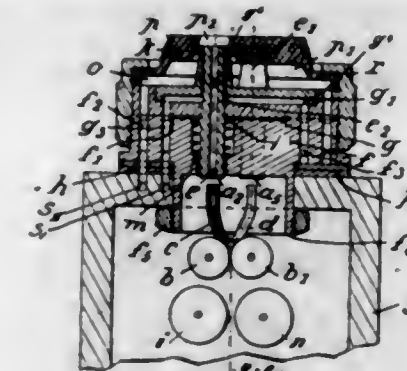
the steam engine, the toothed gearing and the wheel driving device being located on a common bogie, the outlet of the steam engine being yieldingly connected to said condensing receptacle so as to compensate for all movements of the bogie relatively to said receptacle.

1,511,976. VEHICLE BRAKE. LORENZO O. MARKHAM, Olympia, Wash. Filed Apr. 3, 1924. Serial No. 704,040. 6 Claims. (Cl. 188-78.)



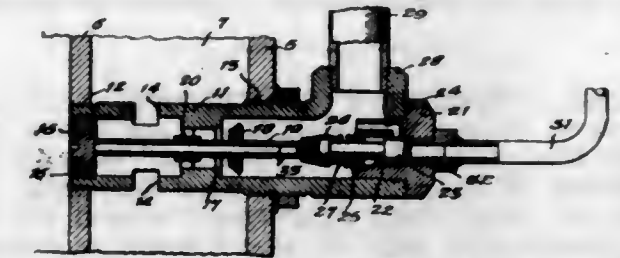
1. A vehicle brake comprising in combination with a brake drum having relatively spaced parallel brake shoe engaging portions, spaced and relatively opposed brake shoes between the engaging portions of such drum, opposed bearing means on the shoes, and expander means positioned between such bearing means.

1,511,977. APPARATUS FOR ATOMIZING ELONGATED BODIES SUCH AS WIRES AND BANDS. NICOLAUS MEUBER, Berlin-Tempelhof, Germany. Filed June 4, 1923. Serial No. 643,467. 7 Claims. (Cl. 91-12.2.)



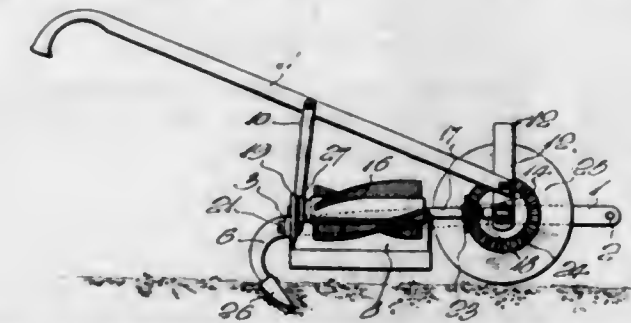
1. A spraying apparatus for spraying fusible materials admitted thereto in the form of elongated bodies, comprising a casing, a plurality of nozzles arranged adjacent to one another within the casing, a support common for all of said nozzles, each nozzle including a main nozzle part and a plurality of other parts coacting with all of the main nozzle parts and spaced from each other and from the main nozzle parts to provide chambers and gaps therebetween, the nozzle parts, support and casing also having passages and ducts provided therein, and the said chambers, gaps, passages and ducts constituting means for conducting gases and compressed air to each of the main nozzle parts so as to fuse the elongated bodies separately as they emerge from the nozzles and to also separately atomize the separately fused elongated bodies, substantially as and for the purposes set forth.

1,511,978. SAFETY DEVICE FOR BOILERS. JOHN J. MUHLERBACH, New York, N. Y. Filed Mar. 28, 1923. Serial No. 628,379. 6 Claims. (Cl. 122-504.3.)



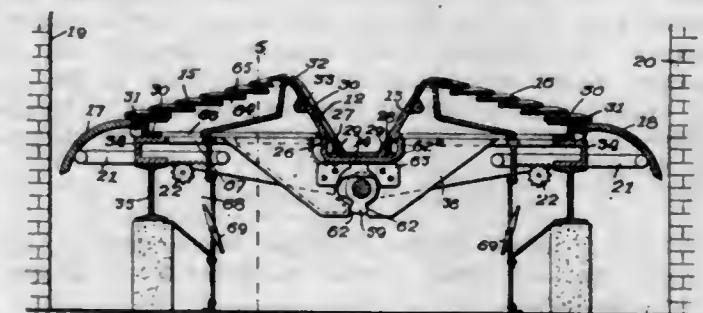
3. In a safety device for boilers, a body having communication with the water compartment of a boiler, an inlet pipe from which water is fed through said body into said compartment, a member movable longitudinally of said body, a valve carried by said member for controlling the flow of water into said compartment, fusible means carried by said body for normally retaining said member and valve in inoperative position, means for moving said member and valve to operative position to stop the flow of water into said compartment when said fusible means is fused, and a by-pass connecting said inlet pipe and body for permitting the water to pass through said body when said valve is in its operative position.

1,511,979. COMBINED CULTIVATOR AND BOLLWEEVIL EXTERMINATOR. JOHN M. POPE, Norman Park, Ga. Filed Sept. 4, 1923. Serial No. 660,872. 4 Claims. (Cl. 43-142.)



3. An agricultural machine comprising a frame, an axle rotatably carried by said frame, a drive wheel loose upon said axle, a driven shaft, a bearing for the forward end of said driven shaft pivotally connected with said axle for horizontal swinging movement, a gear carried by said shaft and having operative engagement with co-operating drive means at one side of said wheel, a beater carried by said shaft, a bearing for the rear end of said shaft pivotally connected with said frame for vertical swinging movement and having sockets for receiving the rear end of the shaft spaced transversely of the same, and means for releasably securing said bearing in a vertically adjusted position.

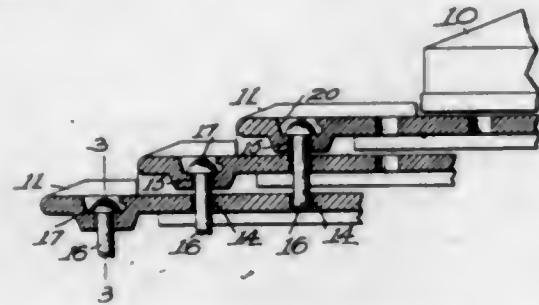
1,511,980. UNDERFEED STOKER. ROBERT SANFORD RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Co., Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1919. Serial No. 315,165. 11 Claims. (Cl. 110-47.)



1. An underfeed stoker having in combination, a retort with side walls formed in sections successively disposed along said retort, over-feed grates also formed in

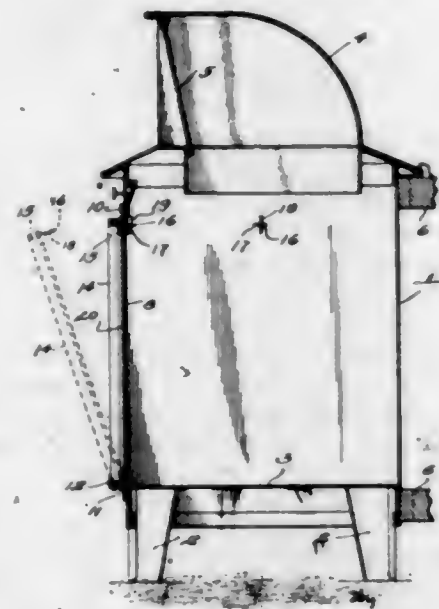
sections, each grate section being connected to move with an associated side wall section, and means to reciprocate adjacent side wall sections and their associated grate sections simultaneously in opposite directions.

1,511,981. FASTENING CONSTRUCTION. ROBERT SANFORD RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Company, Worcester, Mass., a Corporation of Massachusetts. Original application filed May 14, 1919, Serial No. 297,069. Divided and this application filed Aug. 25, 1922. Serial No. 584,361. 3 Claims. (Cl. 110-33.)



1. A fastening construction comprising a lower member having an opening, an upper member having a corresponding opening, and a headed fastening device extending through said openings, the opening in said upper member being enlarged to form an undercut recess adapted to loosely receive the head of said fastening device and to be filled with refuse, preventing displacement thereof.

1,511,982. RUBBISH CAN. JOHN N. SCHILLING, Columbus, Ohio. Filed June 20, 1923. Serial No. 646,515. 2 Claims. (Cl. 40-63.)



1. A rubbish can including front and side walls, frames fixed to said walls, supplemental frames detachably connected with the fixed frames and having latches carried thereby, said latches being extended through the respective walls, and means located interiorly of the can for engaging the latches to hold the supplemental frames confined within the fixed frames, as and for the purpose set forth.

1,511,983. SAND TOY. ARTHUR SHEA, Aurora, Ill. Filed Mar. 9, 1923. Serial No. 623,995. 7 Claims. (Cl. 46-37.)

1. In a toy, the combination of a spiral track, a rotatable shaft disposed axially within the track, a car including a tilting body disposed upon the track for travel thereon, an outwardly extending sweep secured to

the shaft and extending the entire height of the track, means carried by the car for engaging the sweep to cause the rotation of the shaft, means located at the upper end of the track actuated by the car for automatically

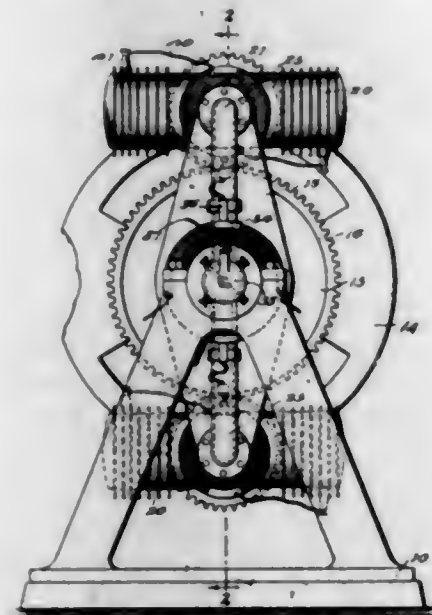


loading the car to cause the same to descend, and means for rotating the shaft in one direction for causing the car to ascend the track when the same is in an unloaded condition.

1,511,984. METHOD OF TREATING RUBBER. ELLWOOD B. SPEAR, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 5, 1923. Serial No. 610,905. 5 Claims. (Cl. 18-53.)

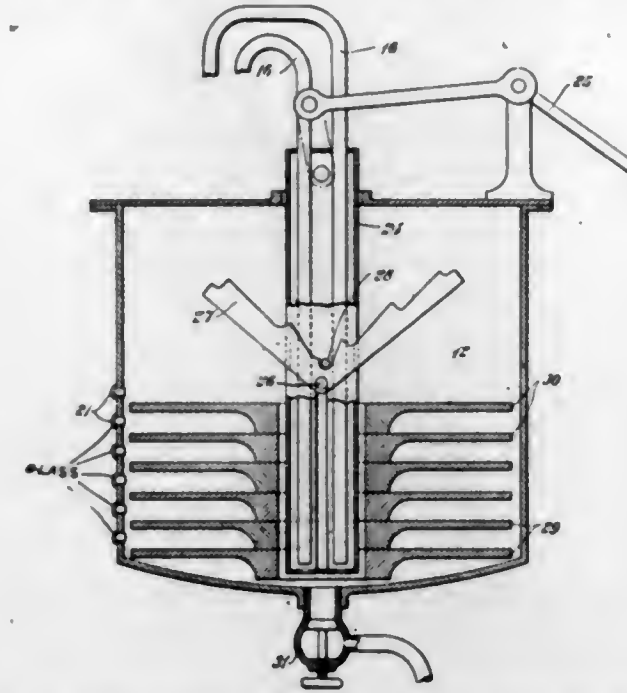
1. The method of introducing a vulcanization accelerator into a rubber compound which comprises introducing thereinto carbon carrying an accelerating agent.
2. The method of treating rubber which comprises milling thereinto a quantity of activated carbon carrying means for accelerating the vulcanization thereof.

1,511,985. INTERNAL-COMBUSTION ENGINE. CLYDE ALLEN SPENCER, Hollywood, Calif. Filed May 5, 1922. Serial No. 558,640. 9 Claims. (Cl. 123-43.)



1. An internal combustion engine, including a rotatable shaft, a supporting member carried thereby, cylinders rotatably mounted in said supporting member, and means for rotating said cylinders with respect to said supporting member and about said shaft as a center.

1,511,986. APPARATUS FOR DELIVERING MEASURED QUANTITIES OF LIQUIDS. FREDERICK WILLIAM STANLEY, Cirencester, England. Filed Apr. 10, 1924. Serial No. 705,687. 8 Claims. (Cl. 221-100.)

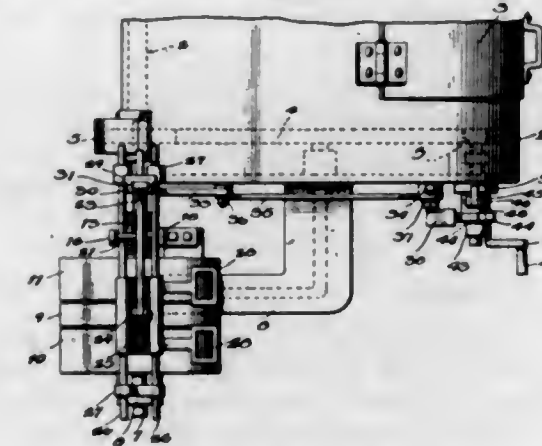


1. In combination with a container, a pipe for delivering liquid thereto under pressure, said pipe serving to siphon from the container liquid above the open end of the pipe on relief of such pressure, a tube slidably mounted in the container and carrying within the same the open end of said pipe, and means for adjusting said tube in the container.

1,511,987. METHOD OF PULVERIZING HORN. FRANZ THOMAS, Barmen, Germany. Filed Apr. 20, 1923. Serial No. 633,359½. 1 Claim. (Cl. 83-12.)

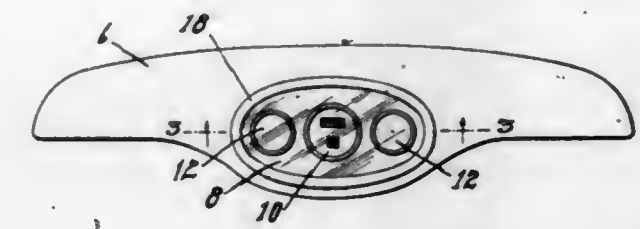
The improved method of comminuting raw horn which consists in abrading and thus wearing off the horn in the presence of water by means of abrasive members, thereby producing a fine muddy substance.

1,511,988. REVERSING MECHANISM AND SAFETY STOPPING DEVICE FOR DYEING MACHINERY. REUBEN NORTON TOWERS, Rome, Ga. Filed Jan. 30, 1924. Serial No. 689,497. 11 Claims. (Cl. 74-7.)



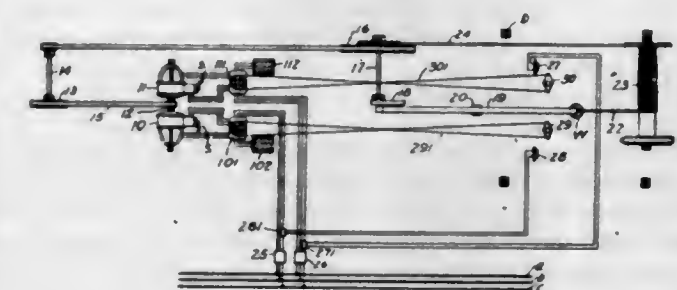
1. A mechanism of the character described comprising a rotatable cylinder carrying a gear, a pinion in mesh with the gear by which the cylinder is power driven, a racking pinion engageable with the gear to rotate the cylinder by hand, power mechanism by which the driving pinion is operated, and means to prevent the engagement of the racking pinion with said gear while the driving pinion is power driven and also to prevent the application of driving power to said pinion while the racking pinion is in engagement with said gear.

1,511,989. INSTRUMENT BOARD. WILLIAM P. HAMMOND, East Orange, N. J. Filed Oct. 23, 1922. Serial No. 596,202. 13 Claims. (Cl. 180-90.)



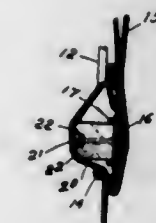
1. The combination with an automobile instrument board of a mounting section for a plurality of instruments integral therewith and inset from the face of the board, and a transparent cover over said mounting section and spaced therefrom.

1,511,990. METHOD OF AND APPARATUS FOR DRILLING WELLS. WALTER L. HARTZELL, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 31, 1918. Serial No. 237,566. 20 Claims. (Cl. 255-11.)



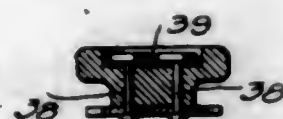
1. The method of drilling wells that comprises operating the drilling tool by means of a plurality of mechanically connected electric motors, and controlling the division of load on said motors independently to vary the total driving capacity of said plurality of mechanically connected motors over a relatively wide range.

1,511,991. HOSE SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 26, 1921, Serial No. 455,764. Renewed Dec. 15, 1922. 15 Claims. (Cl. 24-245.)



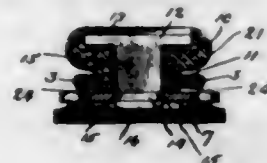
1. As an article of manufacture, a hose supporter comprising a metal plate, a pair of rivets passing through the plate, said rivets having flat heads thereof projecting toward each other into contact at their edges, and a rubber covering mounted on said rivets and having an elongated groove at its front face in which said heads are located, said rubber covering having an integral interior portion extending under said heads and between the shanks of the rivets for positively preventing the disengagement of the covering from the metal plate.

1,511,992. HOSE SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 31, 1921. Serial No. 511,885. 3 Claims. (Cl. 24-245.)



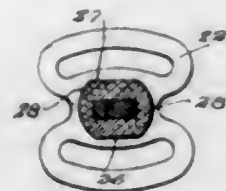
1. As an article of manufacture, a hose supporter button comprising a metal plate, a rubber collet thereon, a metal plate on the front of said collet, and two rivets extending through the rubber collet and through both plates to hold them together.

1,511,993. HOSE SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 20, 1923. Serial No. 646,014. 7 Claims. (Cl. 24-245.)



1. In a hose supporter the combination of a collet, a base plate, a stud for securing the collet to the base plate, said stud passing entirely through the collet and base plate and being provided with a head extending beyond the sides of the shank of the collet.

1,511,994. GARMENT SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 2, 1923. Serial No. 666,074. 4 Claims. (Cl. 24-245.)

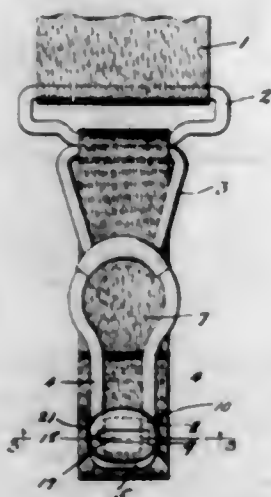


3. In combination a base-plate, a button supported thereby, said button being provided with a shank and an enlarged head, said shank having straight or flat surfaces front and back, and securing means passing through the head and shank of the button and into said base-plate for attaching or securing the button to the base-plate, said securing means being provided with a head extending beyond the sides of the shank.

1,511,995. GARMENT SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Original application filed Oct. 2, 1923. Serial No. 666,074. Divided and this application filed Apr. 2, 1924. Serial No. 703,595. 2 Claims. (Cl. 24-245.)

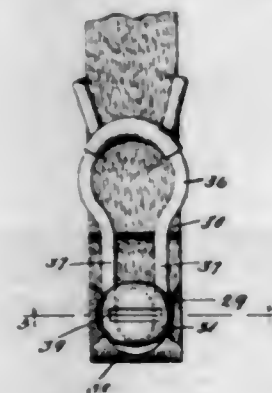
1. In a garment supporter, the combination of a loop having straight parallel side arms and a straight transverse bar at the lower extremity of the side arms, a base-plate, a button comprising a head and a shank, attaching means passing through the head and shank of

the button and into the base-plate for attaching the button to the base-plate, said button having a head overlying the shank to provide an overhang or flange at the sides and front of the button for the reception of the side arms and cross-bar of said loop, the shank be-



ing provided with plane faces at the sides for co-operation with the straight side arms of the holding loop, said shank being provided also with a plane front face for co-operation with the transverse cross-bar of said loop.

1,511,996. GARMENT SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Original application filed Oct. 2, 1923. Serial No. 666,074. Divided and this application filed Apr. 2, 1924. Serial No. 703,596. 6 Claims. (Cl. 24-245.)

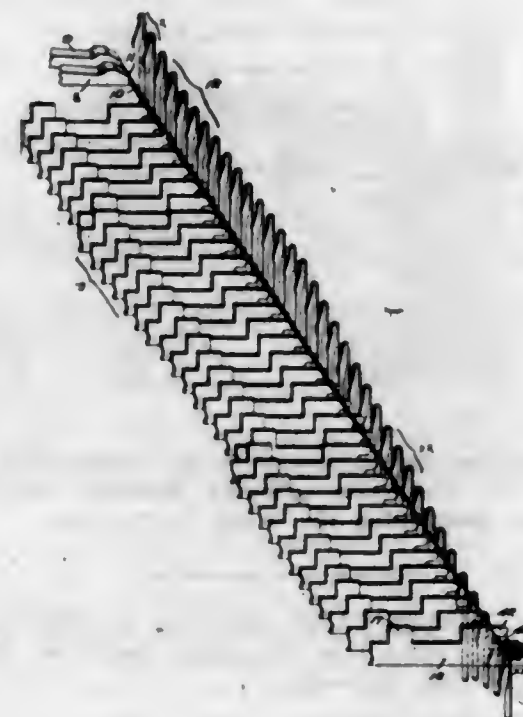


1. A button comprising an elongated head and a shank, said shank having relatively long, straight sides or side faces and curved front and rear faces, said head extending beyond the shank throughout the periphery of the shank, and the long axis of the shank extending transversely of the long axis of the button head.

1,511,997. SPRING-NEEDLE KNITTING MACHINE AND METHOD OF PRODUCING FABRIC THEREON. FRANK E. JONES, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Mar. 4, 1922. Serial No. 541,053. 30 Claims. (Cl. 66-26.)

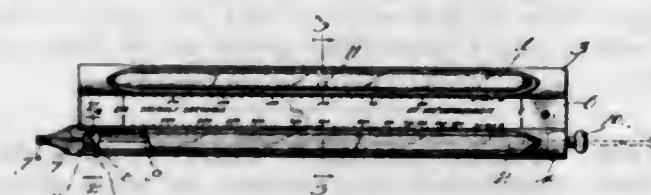
1. That method of effecting plated work in rotary plain knitting with spring beard needles which comprises, feeding a main yarn and a plating yarn below the beards of a single series of spring beard needles without sinking it between said needles, drawing the yarn for the new loops, pressing said beards and holding the knitted web from displacement, and maintaining through web holder control said yarns from the yarn feeding member or members to substantially the needles at the casting off point, out of contact with in-

strumentalities other than said needles and so as to be received below the beards thereof, whereby the relative positions of said yarns remain unimpaired and where-



by the main yarn is accurately delivered to and forms the inside of the plain knitted web and the plated yarn is accurately delivered to and forms the outside of the said plain knitted web.

1,511,998. VISCOSIMETER. CLIFFORD M. LARSON and CARL L. KNOFF, Chicago, Ill. Filed July 13, 1923. Serial No. 651,255. 5 Claims. (Cl. 265-11.)



1. In a device for ascertaining the fluidity of liquids, the combination with parallel tubes, one of said tubes having a liquid of a predetermined fluidity therein, of suction means for drawing the liquid to be tested into the adjacent tubes, means movable with the inclination of the tubes and mounted therein, the relative speed of said movable means through the respective mediums registering the fluidity with the inclination of the tubes.

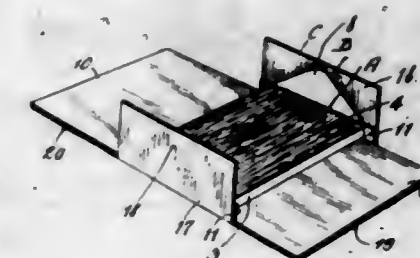
1,511,999. MOUTHPIECE FOR SMOKING PIPES. THOMAS HENRY MANN, Spreydon, New Zealand. Filed Apr. 30, 1923. Serial No. 635,803. 1 Claim. (Cl. 131-10.)



A mouthpiece for smoking pipes, having a recess near its suction end provided with a slanting roof formed by a solid portion having a smoke passage communicating with a bore and of less diameter than said bore, the

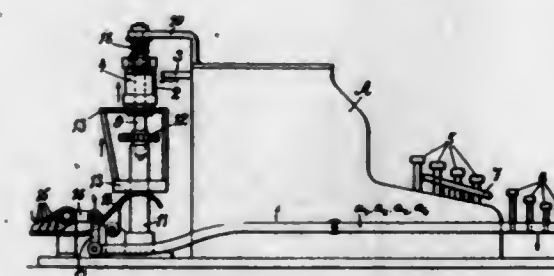
passage slanting upwardly from its outer end and opening at its inner end near the upper side of the bore through the slanting roof of the recess, said recess acting as a trap formed beneath said smoke passage.

1,512,000. TOBACCO PACKAGE OR CONTAINER. JONATHAN PETERSON, Brooklyn, N. Y., assignor to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Filed July 17, 1923. Serial No. 652,064. 8 Claims. (Cl. 206-46.)



1. As a new article of manufacture, a thin and approximately flat tobacco package for convenient pocket use, which dispenses with a metal container and has sufficient strength and stiffness to protect the tobacco contents, comprising an inner tray of sheet material of substantial stiffness, a quantity of tobacco substantially filling the tray, an intermediate wrapper including tinfoil substantially enclosing the tray and tobacco and having top flaps movably overlying the tobacco contents, and an outer paper wrapper of substantial thickness formed and secured about the tray and inner wrapper and having closure means including an outer flap, said closure means being constructed and arranged to be folded down flat upon the package top with said outer flap uppermost, to completely cover and close the package.

1,512,001. SHORTHAND TYPEWRITING. JAN ČERNÝ, Prague, Czechoslovakia. Filed Mar. 1, 1921. Serial No. 448,892. 6 Claims. (Cl. 197-9.)

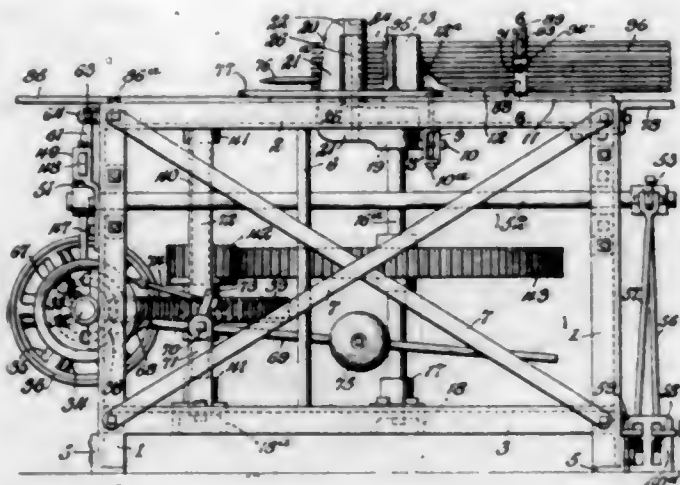


1. In a typewriter in combination, a plurality of types adapted to be alternately carried forward, a cylinder in front of said types adapted to rotate about a vertical axis and to support and shift longitudinally, a paper strip extending between said types and said cylinder and means for axially displacing said cylinder together with said strip to four different levels.

1,512,002. STIRRUP-BENDING MACHINE. THEODORE KARDONG, Minneapolis, Minn. Filed July 11, 1922. Serial No. 574,275. 38 Claims. (Cl. 153-16.)

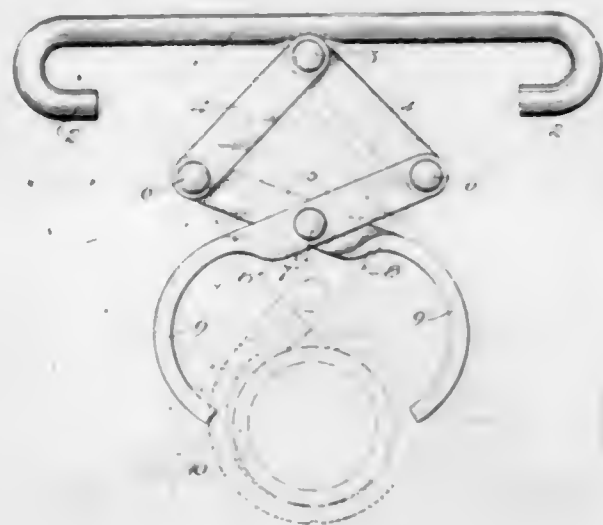
1. In a bending machine, a table, a stirrup bending abutment on said table, said abutment comprising a prism having one edge rounded, bracing means for the

abutment connected to the table, a power operated bending roller cooperating with said abutment, the roller being movable in front of the rounded edge of the abut-



ment and alongside the outer side thereof to bend a rod or bar about the same, and means to control the operation of the bending roller at will.

1,512,003. SUPPORT AND CARRIER FOR FIRE HOSE. MAURICE M. McGEARY and ARTHUR J. DIEFENBACH, Johnstown, Pa. Filed Mar. 2, 1923. Serial No. 622,314. 2 Claims. (Cl. 248-28.)

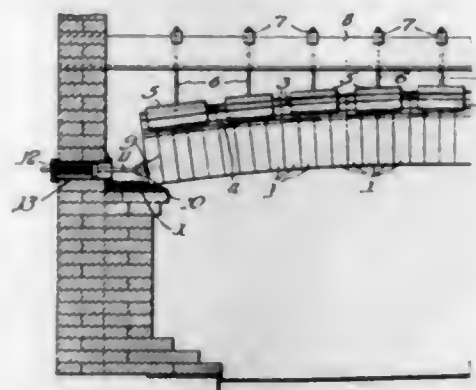


1. A hose support and carrier, including a plain, elongated bar having its ends bent to provide hooks, a pair of links pivoted to said bar intermediate the ends thereof, and a pair of cross pivoted hook members stamped up from flat stock each hook member having one of its ends pivotally connected to one of the links.

1,512,004. YIELDING-ARCH CONSTRUCTION. ENOCH P. STEVENS, Chicago, Ill.; Mary Ann Stevens executrix of said Enoch P. Stevens, deceased. Filed Apr. 28, 1921. Serial No. 465,161. 13 Claims. (Cl. 110-99.)

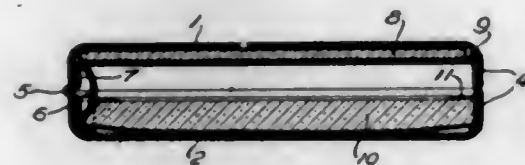
1. In a furnace arch, a row of bricks arranged in an arc of the arch, a plurality of brick-gripping members arranged in a series extending in the direction of the

arc and engaging a plurality of the bricks in the row; each brick being engaged by one of said gripping members, a supporting structure above the row of bricks,



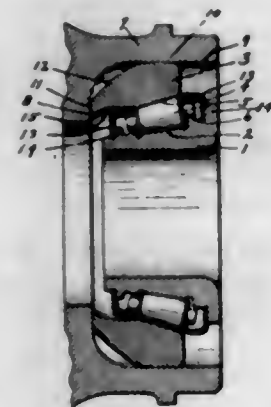
and suspending members between said supporting structure and the respective gripping members, varying in length and positioning the bricks in the arc.

1,512,005. VANITY CASE. WILLIAM D. WRIGHT, Concord, Mass. Filed June 29, 1923. Serial No. 648,475. 2 Claims. (Cl. 132-83.)



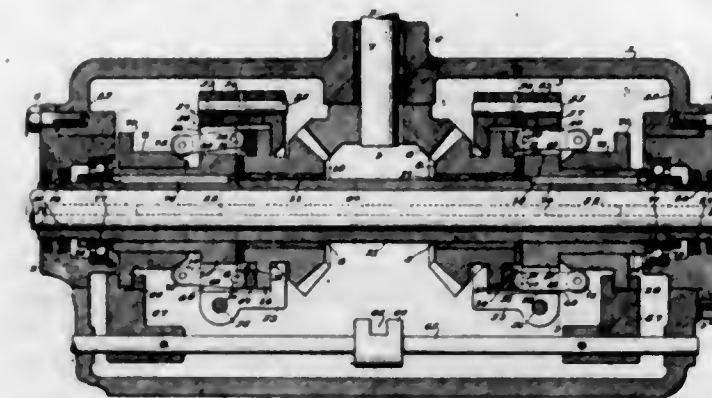
1. A vanity case or box comprising two box sections adapted to fit together and form a completely closed box, a spring snap-hinge connecting said box sections and adapted to hold the box sections either closed or open at right angles to each other, a plain flat mirror in one box section, and a magnifying mirror in the other box section.

1,512,006. ROLLER BEARING. CHRISTIAN P. HAGEN-LOCHER, Philadelphia, Pa., assignor, by mesne assignments, to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 3, 1919. Serial No. 335,404. 2 Claims. (Cl. 64-39.)



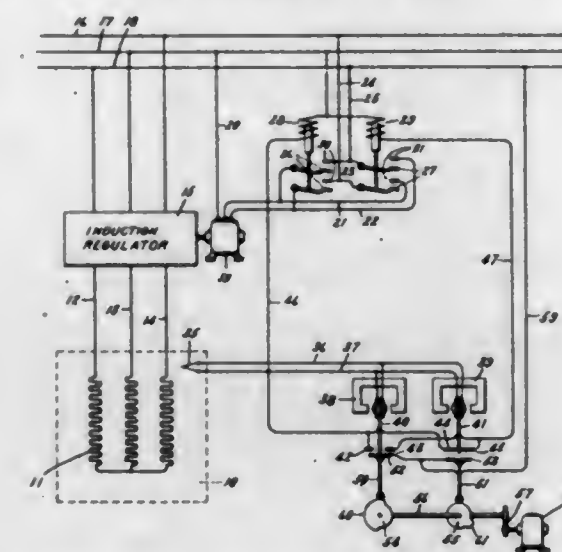
1. An anti-friction bearing comprising an inner and an outer bearing ring, a circle of tapered rollers disposed between said rings the outer of which rings is cylindrical in contour throughout a portion of its extent and tapered throughout the remaining portion of its extent said cylindrical and tapered parts forming a juncture and the surface of said tapered portion being so arranged that a plane tangent thereto intersects the axis of a roller and means for retaining said rollers in position.

1,512,007. DISK-CLUTCH REVERSER. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Original application filed May 28, 1921, Serial No. 473,323. Divided and this application filed Aug. 9, 1924. Serial No. 731,109. 7 Claims. (Cl. 74-59.)



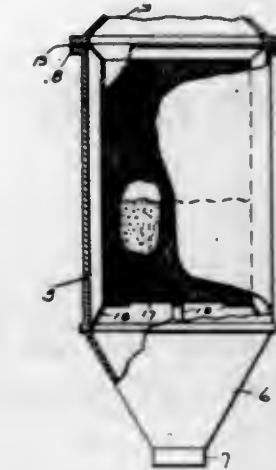
1. A motion-transmitter combining a clutch unit presenting an open end having an internal annular recess; a gear having an annular flange at the end of its hub located in said annular recess; an annular shoe adjacent the outer face of said flange; a pressure element for clamping said gear flange between said shoe and a side-face of said annular recess; a tubular member on which said gear is journaled; a frame providing journals for the ends of said tubular members; an axially-shiftable shaft translatable splined within the bore of said tubular member; and means for adjusting the position of said gear on said tubular-member.

1,512,008. TEMPERATURE REGULATOR. ALBERT N. OTIS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 4, 1922. Serial No. 534,238. 11 Claims. (Cl. 204-64.)



1. A temperature regulator comprising in combination with a heated device, a heater therefor, and means responsive to the temperature of said device for regulating the output of said heater at a low rate upon the occurrence of relatively small variations in temperatures from a predetermined mean temperature and at a high rate upon the occurrence of relatively great variations in temperature from said predetermined mean temperature.

1,512,009. SOAP AND WATER MIXER. HOWARD GRATZ BROWER, Chattanooga, Tenn., assignor of one-half to Porter Warner, Chattanooga, Tenn. Filed Aug. 7, 1923. Serial No. 656,230. 1 Claim. (Cl. 299-83.)



A soap and water mixer comprising a cylindrical container having a funnel-shaped outlet end, a removable head having a water connection for the opposite end of said container, means to removably connect the head to said container, a reticulated soap cylinder having one end closed, supporting brackets secured to said closed end, a flange at the opposite end of said reticulated cylinder, said flange interposed between said head and open end of the container, said brackets engaging the container at its point of juncture with the funnel-shaped outward end, said brackets and flange positioning the reticulated soap cylinder in spaced relation within the container.

1,512,010. TRANSPARENCY POSSESSING STEREO-SCOPIC RELIEF AND METHOD OF MAKING IT. WALTER OSBORNE RUNCIE, Wenonah, N. J. Original application filed May 24, 1918, Serial No. 236,423. Divided and this application filed May 3, 1919, Serial No. 294,606. Renewed Mar. 22, 1924. 4 Claims. (Cl. 41-21.)



1. A transparency comprising a plurality of superimposed parallel analytic photographic images of the subject taken from the same angular viewpoint and assembled in spaced relationship to produce stereoscopic relief, the image indicative of each plane being on a transparent support.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF OCTOBER 21, 1924.....	437
INTERFERENCE NOTICES.....	437
ADVERSE DECISIONS IN INTERFERENCE.....	437
APPLICATIONS UNDER EXAMINATION.....	438
THE SECRETARY'S COMMITTEE ON PATENT OFFICE PROCEDURE.....	439
DECISIONS OF THE U. S. COURTS— John E. Thropp & Sons Company v. Seiberling.....	441
Ragsdale v. Gathmann.....	444
ADJUDICATED PATENTS.....	445
PATENT SUITS.....	445
TRADE-MARKS CANCELED.....	446
NOTICES OF CANCELLATION.....	446
DISCLAIMER.....	446
TRADE-MARKS PUBLISHED (221 APPLICATIONS).....	447
TRADE-MARK REGISTRATIONS GRANTED.....	479
INTERNATIONAL TRADE-MARK REGISTRATIONS.....	487
REISSUES.....	489
DESIGNS.....	490
PATENTS GRANTED.....	500

Issue of October 21, 1924.

Trade-Marks.....	169—No. 190,644 to No. 190,812, inclusive.
Reissues.....	3—No. 15,932 to No. 15,934, inclusive.
Designs.....	59—No. 65,792 to No. 65,841, inclusive.
Patents.....	887—No. 1,512,011 to No. 1,512,897, inclusive.
Total.....	1109

Interference Notices.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.

May Secor, her assigns or legal representatives, take notice:
An interference having been declared by this Office between the applications of Max Robins, 220 North Franklin Street, Chicago, Ill., for registration of trade-marks and trade-mark registered May 8, 1906, No. 52,458, to May Secor, 121 Oak Street, Weehawken Heights, N. J., and a notice of such declaration sent by registered mail to said May Secor at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said May Secor, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.

Alfonso De Paul, his assigns or legal representatives, take notice:
An interference having been declared by this Office between the applications of S. Glemby's Sons Co., Inc., 12 East Twenty-second Street, New York, N. Y., and Swift and Company, Union Stock Yards, Chicago, Ill., for registrations of trade-marks and trade-mark registered April 6, 1909, No. 73,276, to Alfonso De Paul, 1304 Dickinson Street, Philadelphia, Pa., and a notice of such declaration sent by registered mail to said De Paul at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said De Paul, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Sept. 22, 1924.

Dr. Rainey Medicine Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Stevens Medicine Company, Broadway and Thirty-fourth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered December 10, 1907, No. 66,506, to Dr. Rainey Medicine Co., Room 63, Dexter Building, 84 Adams Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Dr. Rainey Medicine Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dr. Rainey Medicine Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 10, 1924.

Victor Combination Kitchen Boiler Company, its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Victor Stove Company, of 208 Depot Street, Salem, Ohio, for registration of a trade-mark and trade-mark registered June 4, 1912, No. 86,843, to Victor Combination Kitchen Boiler Company, southwest corner Fourth and Washington Streets, Oakland, Calif., and a notice of such declaration sent by registered mail to said Victor Combination Kitchen Boiler Company at the said address having been returned by the post office as undeliverable, notice is given that unless said Victor Combination Kitchen Boiler Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,408,190, W. P. Gregory, Signal system, decided August 19, 1924, claim 1.

Pat. 1,429,241, J. F. Hayden, Telephone system, decided September 11, 1924, claims 3, 4, and 6.

Pat. 1,144,407, A. H. Dyson, Telephone system, decided September 13, 1924, claims 5, 10, 15, 16, 17, 18, 22, 24, 28, and 31.

Pat. 1,454,512, J. T. Holmquist, Accelerator for automobile engines, decided September 13, 1924, claims 1 and 2.

Pat. 1,466,363, C. E. Hamilton, Ironing machine, decided September 8, 1924, claims 1 and 2.

Condition of Applications Under Examination at Close of Business October 10, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 59,518; Trade-Mark Division, 1,925. Oldest new case, Feb. 12, 1924; oldest amended, Feb. 11, 1924. The dates given are 1924.)	Divisions, EXAMINERS, AND SUBJECTS OF INVENTIONS.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scatterer Unloaders.	Mar. 24	Apr. 5		1,010	
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 10	Mar. 24		810	
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	June 24	June 10		352	
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 18	May 20		904	
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Mar. 12	Mar. 13		1,017	
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 14	Feb. 15		1,165	
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Apr. 14	Apr. 14		1,678	
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	May 15	July 8		1,345	
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Apr. 1	Aug. 4		677	
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Apr. 14	May 1		1,456	
149*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	May 24	May 28		963	
380	12. PIERCE, P. P., Machine Elements.	May 15	Apr. 26		1,048	
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 23	Mar. 21		1,124	
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 5	July 5		565	
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 21	Mar. 31		1,350	
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Mar. 7	Mar. 4		1,386	
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Apr. 14	June 4		855	
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Feb. 12	Feb. 11		1,320	
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 21	July 10		854	
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 5	Apr. 18		1,251	
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Apr. 5	July 26		609	
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Mar. 24	Mar. 24		1,225	
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanism.	Apr. 23	Apr. 28		475	
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 25	Apr. 19		827	
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	July 8	July 11		684	
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Feb. 14	Mar. 20		815	
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 21	May 22		1,063	
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 16	Apr. 30		1,061	
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Mar. 12	Mar. 22		1,148	
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Apr. 18	June 7		1,210	
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Ghee.	Apr. 4	Apr. 8		1,029	
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Mar. 18	Mar. 22		913	
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	May 9	May 10		1,263	
304	34. SIMPSON, O. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 10	Apr. 23		802	
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	June 13	July 9		706	
106	36. MORTON, O. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	May 3	Apr. 15		1,504	
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 10	Apr. 4		1,560	
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Apr. 19	Apr. 14		1,146	
230	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Apr. 19	May 10		677	
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 25	June 10		1,916	
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Mar. 27	Apr. 29		704	
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Feb. 14	Feb. 20		1,587	
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 25	Mar. 1		1,290	
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Mar. 19	May 1		1,060	
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Apr. 1	Mar. 15		951	
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 5	Feb. 27		1,106	
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 11	Mar. 19		1,425	
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Feb. 18	Feb. 18		1,995	
239	49. EDINBURG, F. F., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Apr. 4	Apr. 5		948	
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Feb. 21	Feb. 26		1,727	
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Mar. 25	Mar. 25		2,099	
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 23	June 16		867	
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 7	Mar. 1		1,531	
102	DESIGNS: C. O. MARKHAM (Acting) Trade-Marks.	Sept. 13	Sept. 3		445	
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. Labels and Prints.	Sept. 10	Sept. 18		1,483	
		Aug. 19	Aug. 23		442	

* Refers to room numbers in the annex.

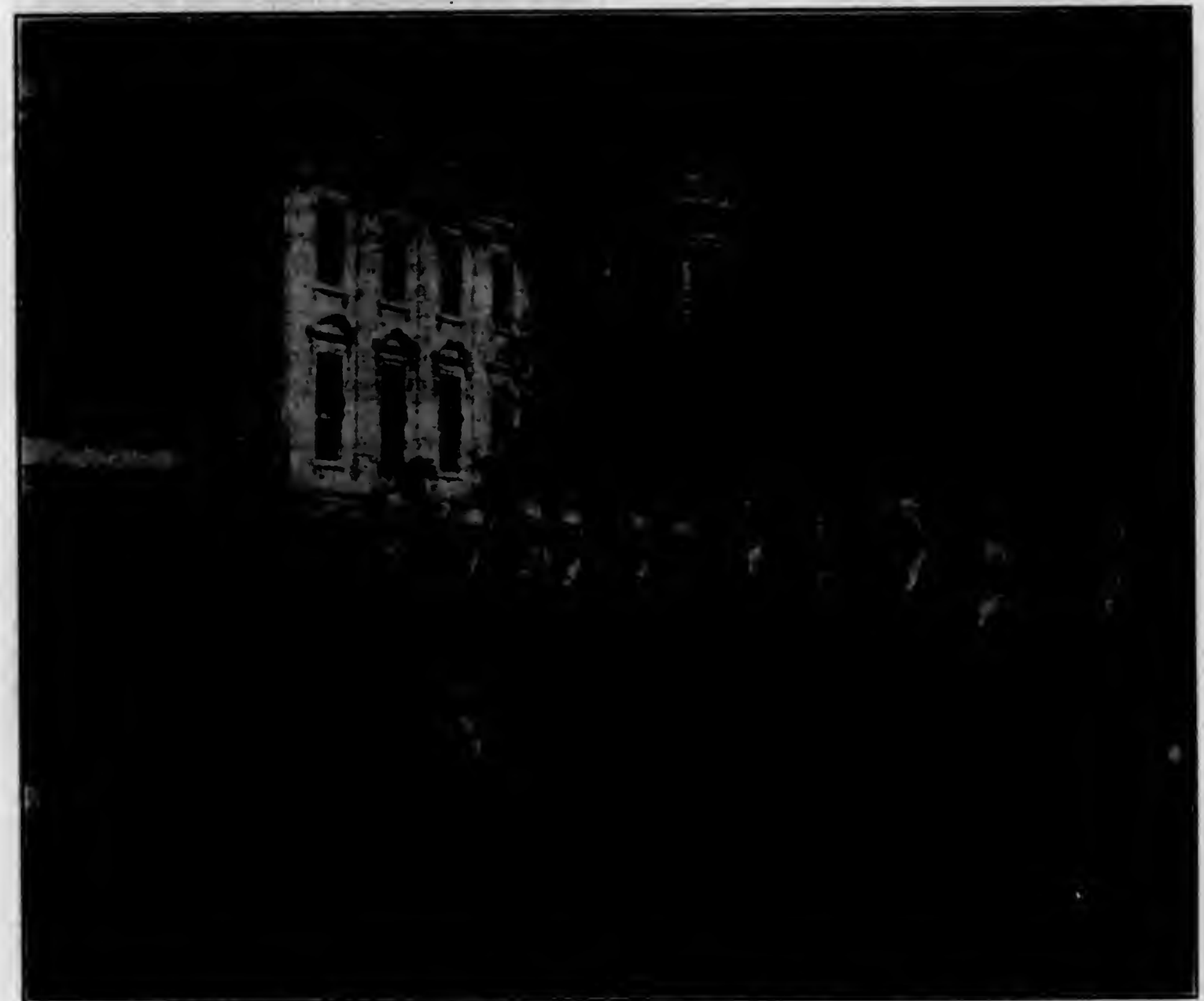
THE SECRETARY'S COMMITTEE ON PATENT OFFICE PROCEDURE.

Pointing out that experience has shown the necessity of the periodical weighing of operating methods in any large organization, particularly in a unit of the Government which has had a long and progressive growth, as has the Patent Office, Secretary of the Interior Work has appointed a committee to make a comprehensive review of the operations of the Patent Office. In order that the committee be representative of different interests and have a wide geographical distribution, its members were not selected by the Secretary

or by the Commissioner of Patents, but each of a number of organizations was requested to nominate a member to be appointed by the Secretary. The result of this was a committee consisting of the following members:

Mr. JO BAILEY BROWN, of Pittsburgh, Pa., one of the patent advisers representing the United States at the Paris Peace Conference and nominated by the Pittsburgh Patent Law Association;

Mr. A. J. BROUSSEAU, of New York city, a prominent automobile manufacturer, nominated by the Chamber of Commerce of the United States;



THE SECRETARY'S COMMITTEE AT THE WHITE HOUSE.—Reading from left to right: Mr. Mason, Assistant Commissioner Fenning, Col. Frease, Secretary Work, the President, Mr. Prevost, Commissioner Robertson, Mr. Wallace, First Assistant Commissioner Kinnan, Mr. Brown, Mr. Ewing, Mr. Huxley, Mr. Prindle, Mr. Brousseau.

Hon. THOMAS EWING, of New York city, formerly Commissioner of Patents, and nominated by the New York Patent Law Association;

Col. HARRY FREASE, of Canton, Ohio, formerly president of the Cleveland Patent Law Association, and nominated by that association;

Mr. HENRY M. HUXLEY, of Chicago, Ill., secretary of the Chicago Patent Law Association, and nominated by that association;

Mr. EUGENE G. MASON, of Washington, D. C., formerly secretary of the patent section of the American Bar Association, probably the largest associa-

tion of its kind in the world, and nominated by Secretary of State Hughes, who is president of that association;

Mr. GEORGE A. PREVOST, of Washington, D. C., vice-president of the American Patent Law Association, the national association of patent lawyers, having members in 53 American cities;

Mr. EDWIN J. PRINDLE, of New York city, formerly secretary of the patent committee of the National Research Council, and nominated by the National Association of Manufacturers;

Mr. MILTON TIBBETTS, of Detroit, Mich., assistant secretary of the Packard-Motor Car Company, and formerly president of the Michigan Patent Law Association, and nominated by that association; and

Mr. L. W. WALLACE, of Washington, D. C., executive secretary of the American Engineering Council, consisting of 29 engineering societies representing almost 40,000 engineers.

This committee having been selected, a meeting was called for Monday, October 6, 1924, on which day all of the members of the committee, excepting Mr. Tibbetts, who telegraphed that previous engagements had prevented his coming, met at the Patent Office in the morning with the Commissioner of Patents and the Assistant Commissioners, and then proceeded to the Department of the Interior, where they were received by the Secretary, who said in part:

"Recognizing the great value of the Patent Office in the development of the industrial life of the United States, I am especially desirous of doing anything possible to facilitate methods of procedure and to expedite the business of that Office.

"A very useful purpose may be served by this committee of prominent patent attorneys and representatives of industrial organizations, including the engineering profession, in making a thorough review of the Patent Office with a view of simplifying the methods of procedure and expediting the handling of applications for patents.

"Unfortunately, the Interior Department has not available any funds for the purpose of paying the expenses of the committee, and your work, therefore, will be a voluntary contribution, rendered in the spirit of public service.

"I shall look forward with the greatest interest for your opinions and at the conclusion of your inquiry I shall appreciate receiving a report from you, with such recommendations as you may deem necessary to improve conditions, and shall submit it to the President for his information."

After an informal discussion, the Secretary invited the committee, accompanied by the officials of the Patent Office, to go to the White House for an

interview with the President. At the White House the various members of the committee were introduced to the President, and the Secretary made a short address explaining the object of the committee, which was followed by a short address by President Coolidge. Thereafter the entire party was photographed with the President.

After lunching with the Secretary of the Interior, the First Assistant Secretary, the Commissioner and the Assistant Commissioners of Patents, the committee met for organization.

Mr. Ewing was elected chairman; Mr. Prevost, vice chairman; Mr. Wallace, secretary. The committee requested that the personnel and officers thereof be published in the OFFICIAL GAZETTE, together with a statement that the committee invites suggestions falling within the scope of its work relating to the internal administration of the Patent Office from attorneys, inventors, and others who are interested in the Patent Office and in the patent system, for consideration in so far as it is practicable by the committee.

The committee made a complete survey of the Patent Office Building, observing the location and arrangement of the various divisions and the character of the work assigned to each.

A subcommittee was appointed to digest the Report of the Investigation of the United States Patent Office by the President's Commission on Economy and Efficiency. This report was made in 1912 by a committee appointed by President Taft, but the suggestions of that committee have not all been put into effect.

Secretary Work has indicated that the efforts of the committee should be "especially directed to the simplification of office methods; abbreviating formality in procedure, reducing the number of forms, and the amending of the patent laws where they present an obstacle to progress. No phase of the work is so small as to be unimportant; nor, on the other hand, should any subject be too large and far-reaching to deter you from approaching it from a practical viewpoint if you believe it to be fundamentally wrong."

The Commissioner of Patents and the other officers and employees of the Patent Office will give the committee every access to all branches of the Patent Office and will furnish the committee any information requested pertaining to the work of the committee.

The public is urged to submit any suggestions they may have to Mr. L. W. Wallace, secretary, Room 276, United States Patent Office, Washington, D. C.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

JOHN E. THROPP'S SONS COMPANY v. SEIBERLING.

Decided April 7, 1924.

1. AGGREGATION—INDEPENDENT TOOLS MOUNTED ON A ROTATING TURRET.

Where four tools were mounted on a turret at four equidistant points and independent of each other except for their common base and the operator revolved the turret so as to make the different tools bear against the work, *Held* that there was no real combination of the operation of the four tools.

2. INVENTION—NOVELTY—CHANGE FROM HAND OPERATION TO USE OF MACHINERY.

Where the steps were the same and the succession from one to the other were in the manual art, where the transfer from hand to power was by the usual appliances and had all been indicated in the prior art, and where there was no substantial change in the mechanics or method of making, *Held* that the patent lacked novelty in the elements and combinations.

3. SAME—SAME—EXTENSIVE USE.

The fact that wide and successful use of a device has been made under license from the patentee may be evidence of patentable novelty, but is by no means conclusive and must be weighed in the light of all the circumstances.

CERTIORARI to a decree of the circuit court of appeals holding the respondent's patent valid and infringed by the petitioner and reversing a decree of the district court which dismissed the respondent's bill to enjoin infringement.

Mr. Livingston Gifford, with whom Mr. E. Clark-son Seaward and Mr. Thomas G. Haight were on the briefs, for the petitioner.

Mr. Melville Church, with whom Mr. Luther E. Morrison was on the brief, for the respondent.

Mr. Harry Frease, by leave of Court, filed a brief as amicus curiæ.

Mr. Chief Justice TAFT delivered the opinion of the Court.

This is a suit to enjoin the infringement of a patent for the making of the outer shoes or casings of pneumatic automobile tires, composed of woven fabric treated with rubber. We have brought it here because of a conflict of opinion between the circuit courts of appeals of the sixth and the third circuits.

The suit in each circuit was begun by Frank A. Seiberling, as assignee. That in the sixth circuit was filed in 1914 against the Firestone Tire and Rubber Company, and was based on alleged infringement of three claims of a patent to Seiberling and Stevens, No. 762,561, of June 14, 1904, and sixteen claims of a patent to one State, No. 941,962, dated November 30, 1909. The district judge found both patents valid and infringed, 234 Fed. 370. The Firestone Company appealed, and the circuit court of appeals for the sixth circuit reversed the district court, holding that all the claims of the State patent were invalid, and that

of the three claims of the Seiberling and Stevens patent, two were invalid and one was not infringed. 257 Fed. 74. The bill in the case before us was brought in 1914 in the district of New Jersey on the same two patents. After the decision in the sixth circuit in December, 1918, the plaintiff Seiberling filed in the Patent Office a disclaimer absolute as to eight claims of the State patent and qualified as to the other eleven. No proofs were made in this case to sustain suit upon the Seiberling and Stevens patent, State, the patentee of the other patent, having testified that it had failed. The district judge dismissed the bill on the ground that the effect of the disclaimers on the State patent was to change it from a machine patent and to make it a method or process patent, and that the method was old. On appeal to the circuit court of appeals for the third circuit, a majority of that court held that the record herein in respect to the State patent was substantially different from that in the sixth circuit, and that the State patent as qualified by the disclaimers was valid and infringed. [317 O. G. 494.] The third judge dissented on the ground that the disclaimers were of such a character as not to be permitted by the statute.

The making of rubber tires for automobiles began by hand and the proof seems to show that, while power and complicated mechanism have been applied to secure much greater speed in production and possibly greater uniformity in the product, there is even now no successful device for their completely automatic manufacture.

A hand tire was framed on an annular metallic core of the proper size, with spokes and a hub mounted and revolving on a shaft. It was made up of layers of fabric stuck together by a proper adhesive material and formed into a tube with a narrow opening on the inside, called the bead. The ends of the tube were united together to make it circular and endless. The layers were arranged to give a solid rubber tread along the outer periphery to make contact with the road. The workman began by coating the core with a suitable cement, and affixed a strip to the rubber-impregnated fabric, stretching it and cutting it so as to cover the circumference of the core. In width it was somewhat less than enough to cover the sides of the core. He then revolved the core slowly, patting and stretching the woven strip on it, pressing and shaping it with his fingers and hand tools so that it adhered smoothly to the core without wrinkles. He followed this with another strip of fabric attaching it to the one before by the rubber cement. This operation he repeated with as many layers as were needed.

The strips of the fabric were cut on the bias, and the warp threads of one strip when set in place were intended to run from one inner open

edge or bead, in a diagonal course, along, across and around the tube to its other open edge or bead. The next strip or layer was reversed so that its warp threads crossed those of the first strip at a selected angle.

There was no difficulty in making the part of the layer on the tread easy and smooth because the curvature there was small, but as the fabric was pressed against the sides and inside of the core, it tended to bagginess and did not lie so smoothly. It would gather and wrinkle. This if carried into the permanent condition of the fabric would greatly weaken the tire. The tendency of woven material, however, is to contract in one direction as it stretches in another. The fabric lengthens circumferentially as it is stretched on the outer periphery. The square meshes thus become diamond shaped along the tread. There is a corresponding longitudinal contraction in the fabric as it is stretched laterally down the sides, so that its shrinking will be greatest as the edges are approached. Thus the wrinkling and bagginess of the fabric may by proper treatment with hand and tool be made to disappear and the strip be shaped smoothly to the sides and beads of the core surface.

At first, the skirts of the fabric were stretched radially along the sides of the core and treated by a saw-tooth tool to avoid wrinkles and then a spinning roll or wheel was run along the fabric down the core side in a spiral course. There was thus given to the fabric what was called the double stretch and this was supposed to give greater strength and smoothness to the fabric as set upon the core. The workmen, however, found that they could work more rapidly and with less pains if they gave up the saw-tooth stretch and depended only on the use of the spinning wheel with which, by increasing the hand speed of the core, they could smooth the fabric against the core without wrinkles. The spinning or stitching of the sides by the rapid revolution of the core had been previously shown in the kindred art of shaping thin metal sheets over a power driven core. The evidence was that rotation of the core by hand to a speed of fifty or sixty revolutions a minute would give a centrifugal tendency to the skirt of the fabric, keeping it away from the core. By thus doing what the foremen of the shops at first deprecated, the workmen developed a successful improvement in the hand making of tires. The spinning was usually done one side at a time; but powerful workmen were known to work the spinning wheels together on both sides of the core. The spinning of the fabric by rotating the core rapidly was more usual in tires of smaller sizes because the fabric was so stiff that such a method by hand in larger tires was impracticable.

One of the early power machines to make the casings was patented to Moore in 1894. It disclosed an expansible core upon which an endless rubber fabric was placed and stretched. The core was rotated rapidly by power and the fabric was rolled down by a set of rollers of which one

was a spinning roller. This was pivoted to swing radially toward the core but the handle of the spinning wheel was so fixed that it could not travel as far down as the bead.

The Selberling and Stevens patent of 1904 for making tires sought to do the work of fitting the fabric to the core wholly by machinery, i. e., automatically without the intervention of the hand of the operator. It comprised:

1st. A main power driven shaft to drive the core capable of low or quick revolutions, or entire release,

2nd. A reel carrying the rubber impregnated strip,

3rd. A tension roller retarding the reel and stretching the fabric on the periphery after the free end is attached to the core,

4th. A pressure roller concave in form to match the tread of the strip and press it to the core as it revolves

5th. An arm carrying a laterally-spring-pressed finger called a jigger finger intended to be reciprocated rapidly, radially of the core, traveling in and out between the tread and in its outer edge, functioning like a human finger in pressing the fabric down against the core and stretching it into shape; and,

6th. A further pressure wheel or spinning roller applied along the edge of the fabric to press it into a crease. The spinning roller was set in a plane at a receding angle to the plane of the core.

The evidence in this record shows that Selberling and Stevens' device was not successful in its operation and that the automatic operation of the finger was not effective.

The Vincent patent of 1905 had a power-driven core, to draw and stretch the fabric with guide rolls through which the fabric was led on its way to the core and which were geared so as to resist the pull of the fabric. As soon as the fabric was spread circumferentially on the core, its skirts or edges were formed down the sides by two sets of spring-actuated hammers, arranged progressively in a radial direction so that as the core rotated the fabric was tapped on the sides from their outer portion inwardly toward the bead. This device seems to have had considerable commercial use.

The Mathern Belgian patent of 1906 had a core arranged to be power driven at high and low speeds effected by changing gears, the ratio between the two being 20 to 1. It had a stock roll from which the fabric passed at a tension around guide rolls and between conical gears to secure uniform puckers in the outer edges of the fabric and to hold it out from the core as its middle is delivered circumferentially to become the tread. A screw-fed slide was arranged to be moved radially to the core, having suspended on pins a pair of spinning rolls, the handles of which enable the operator to press them laterally against the skirts of the fabric on the core during their inward radial movement.

The Belgian Mathern patent is attacked as a paper patent because it was allowed to expire

through failure to pay the annual Belgian tax. The evidence shows, however, that in 1911 it was offered commercially to the Hood Company which preferred a German patent of the same inventor, and the Belgian machine was actually used for the making of tires which proved to be commercially satisfactory. We do not doubt from the record that it was a practical tire-making machine.

[1] The State patent was applied for March 26, 1909. It was of the same general type as that of Selberling and Stevens. State's most substantial change was that he discarded the reciprocal, spring-pressed, in-and-out forming finger of Selberling and Stevens and substituted spring-pressed spinning rolls which he supplemented with stitching rolls if needed. He provided, in the same general way as Selberling and Stevens, a core, a fabric reel, a retarding or tension device, whereby he attached his strip of fabric to the core for the width of the tread portion, leaving the skirts or wings projecting outwardly. Fixed to the base of the frame carrying the core was a standard traveling in a horizontal track with a turret, having four tools mounted at four equidistant points and independent of each other except for their common base. One carried a tread roller, the second the spinning rollers, the third the stitching rolls and the fourth the bead-attaching rolls. The operator revolved the turret so as to make the tread roller bear against the tread on the core, then the spinning roll device, then the stitching roll and then the bead-forming roll, the latter two of which were not always used. There was no real combination of the operation of the four tools. It was an aggregation not different from a successive use by an operator of hand tools, and so the circuit court of appeals of the sixth circuit held. This was what led to the disclaimer of eight of the claims. It possibly gave the change in the character of the record and proof in this case from that in the sixth circuit as remarked upon by the circuit court of appeals of the third circuit.

Eleven claims are left. While qualified by disclaimers, consideration of the original claims will serve our purpose. Claims 4, 5, 6 and 7 are for combinations of a sheet-fabric supply, a power-driven ring core, a radially-moving support laterally spring pressed toward the core, with a spinning roll mounted on the support to shape the sheeted fabric to the core. The variety in the claims is in adding to the spinning roll the element of a receding angle to the plane of the core in the 5th, in giving the spinning roll a round disk-shaped edge in the 6th, in giving both the receding angle and the disk-shaped edge to the spinning roll in the 7th.

Claims 12 and 13 comprise in their combinations all the above and the slow-speed mechanism for actuating the core when the fabric is received from the stock roll, and the high-speed mechanism for the spinning rolls to pass over the fabric on the core and shape it.

Claims 22, 23, 24, 25 and 26 cover the same combinations save that they emphasize the feature of the radially-moving support of the spinning roll which is power pressed toward the core.

There was no novelty in the combination of a power-operated core with fabric rolls for delivering the rubber-impregnated strips through tension rolls to the core, or in the use of pressure rolls to stretch and press the tread at the slow speed of the core followed by the spinning of the stretching or spinning rolls with high speed down the sides from the outer line of the tread to the bead edge of the fabric, or in the use of the tangential force upon the skirts of the fabric to keep them away from the core. The use of power to revolve the core was seen in earlier patents in Selberling and Stevens, in Vincent, and in the Belgian Mathern. The change of gears from slow to rapid revolution by shifting of the gears was shown in the first and third of these. The receding angle of the spinning roller to the plane of the core was not new with State. It was seen in Selberling and Stevens.

The operation of the spinning wheel in the State patent is said to be automatic. We do not find it to be so. It is partly automatic in that the spinning rolls, when properly placed, are brought closer to the fabric by the springs. The Belgian Mathern device is partly automatic in an analogous way. But when the process of spinning is carried to its completion, the adjustment and pressure of the wheels to the fabric as it approaches the bead edge, need the hand of the operator just as in the hand making of tires. It is true that the spinning rolls in all these patents are steadied against the fabric in one way or another, as by the power-pressed radially-moving support in the State patent; but in the end the hand is needed to complete the spinning process as it nears the bead edge. We do not think that the use of the springs by State in such a combination involves patentable invention when we weigh its inconsiderable importance and note the suggestion of the use of such springs for analogous purposes in Vincent, and in Selberling and Stevens.

[2] The change from hand to the use of machinery often involves invention. In the making of tires, it has in fact resulted, because of the use of power, in speed of manufacture and possibly in some greater uniformity of the product. But the record does not show that there has been substantial change in the mechanics or method of making. The steps are the same and the succession from one to the other are in the manual art, and the transfer from hand to power was by the usual appliances and had all been indicated before the State patent.

These conclusions as to the lack of novelty in the elements and combinations of the State patent were reached by the circuit court of appeals for the sixth circuit and we agree with them.

The majority opinion of the third circuit court of appeals in this case attributed much importance and novelty to the effect of the centrifugal force of the

revolving core upon the fabric. Its view was that State had discovered that the fabric was thus substantially stretched radially as the spinning wheels hinged against the flowing fabric, and the square meshes on the sides were elongated substantially by the centrifugal force so that at the bead they were lozenge shaped and easily smoothed. We do not find such a new result, or anything different from what was shown in the making of tires by hand. If there were such a newly-developed, substantial addition to the stretching of the material by tangential force, it must have occurred in the Mathern Belgian patent before State. But we find it in neither. The discovery of such a new source of radial-stretching power is not testified to by the experts in either hearing.

[3] We are pressed with the argument that many tires, reaching into the millions, have been made under a license granted by Seiberling, and that the success of the device shows the utility and novelty of what he licensed. He gave to his licensees not only the use of the State patent but also that of the Seiberling and Stevens patent. Both patents made large and sweeping claims which were well calculated to induce acquiescence by those without sufficient knowledge of the prior art, or adequate capital to resist. Yet the more comprehensive claims of the State patent have now been disclaimed and the Seiberling and Stevens patent included in his licenses has been abandoned. There has been a complete change about in the third circuit lawsuit. Mr. Seiberling, when these licenses were granted, was at the head of the great Good-year Company. He could give great vogue to a device owned and used by him. The license was not a heavy tax, equal to less than one per cent of the cost of a machine, and purchase of peace was a wise course for the smaller manufacturer. Evidence of this kind is often very persuasive, especially when patentable novelty is in doubt. *Potts v. Creager*, 155 U. S. 597, 609; 70 O. G. 494; *Magoian v. New York Belting Co.*, 141 U. S. 332, 343; 57 O. G. 845. But it is by no means conclusive and must be weighed in the light of all the circumstances, to accord to it its proper significance. *Eibel Process Co. v. Minnesota Paper Co.*, 261 U. S. 45, 56; 310 O. G. 3; *McClain v. Ortmyer*, 141 U. S. 419, 428; 57 O. G. 1129. In the case before us, we do not think it can overcome the lack of novelty and invention.

Seiberling disclaimed combination claims of 4, 5, 6 and 7, except when constructed and coordinated in a certain way. He disclaimed claims 12 and 13 except for the combined operations of a certain kind and unless the recited elements were constructed and coordinated as he described. He disclaimed claims 22, 23, 24, 25 and 26, except when constructed and coordinated for a particular purpose and unless the power drive functioned as he pointed out. As we have found that there is nothing really new in the method or mechanism of State, it will serve no purpose to go through the qualifying disclaimers in detail and consider their effect.

The disclaimers are attacked on the ground that they exceed the legal function of a disclaimer and are an attempt to change a mechanical patent to a process or method patent, something which could only be properly accomplished by a reissue. The circuit court of appeals for the sixth circuit examined the possibility of sustaining the alleged invention of State as a process or method patent but concluded that it was fully anticipated by the method of making tires by hand. We do not find it necessary to pass upon the validity of the method of making disclaimers here pursued, because we agree with the sixth circuit court in failing to find invention in the State device either as a mechanical or as a method patent.

The decree of the circuit court of appeals is reversed and the case is remanded to the district court with directions to dismiss the bill.

Reversed.

Court of Appeals of the District of Columbia.

RAGSDALE v. GATHMANN.

No. 1,638. Decided June 2, 1924.

INTERFERENCE—ISSUE—ATTEMPT TO BROADEN BEYOND ITS TERMS—CLAIM OF PRIORITY BASED ON ALLEGED EQUIVALENT DEVICE.

Where R. bases his claim to priority upon the theory that he may invoke the doctrine of equivalents in an interference proceeding, inasmuch as prior to the entrance of G. into the field R. had produced an article which differed from that defined in the issue, *Held* that he may not do this and that the Patent Office, through the allowance of the claim, has determined, so far as this proceeding is concerned, that there is a patentable difference between the two structures.

Mr. Melville D. Church for Ragsdale.

Mr. L. R. Wight for Gathmann.

Before ROBB and VAN ORSDER, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, J.:

Appeal from concurrent decisions of the Patent Office tribunals in an interference proceeding awarding priority of invention to Gathmann, whose patent was issued more than a year prior to the filing date of Ragsdale's application.

The tribunals of the Patent Office, after independent examination of the evidence, each reached the conclusion that Gathmann was the first to conceive and reduce to practice the particular invention here involved, namely—

a practice bomb, comprising a body portion of plastic material vanes having perforations in them through which the plastic material extends and forms keys which firmly connect the vanes with the body.

With this finding we concur. However, Ragsdale contends that, inasmuch as prior to the entry of Gathmann into the field he had produced a bomb in which the method of fastening or anchoring the vanes in the concrete body differed from that defined in the issue in this interference, he should be awarded priority of invention. In the early Ragsdale structure the vanes were not perforated, as required by the issue here, and his claim to priority on this branch of the case is

based upon the theory that he may invoke the doctrine of equivalents in an interference proceeding. But this he may not do. The Patent Office, through the allowance of this claim, has determined, so far as this proceeding is concerned, that there is a patentable difference between the two structures. In such a case, therefore, the question before us is one merely of priority, as we many times have ruled. In *Llewellyn v. Upson*, 45 App. D. C. 17, 21; 227 O. G. 367, we said:

Upson here contends, as he did before the Patent Office, that there is no patentable difference between the so-called broad counts awarded him, and those awarded to Llewellyn. What, our opinion might be on this question, were it before us, we need not intimate, since it is settled law that in an interference proceeding we must assume that each count is patentably different from every other count. We have no more jurisdiction to question the patentability of the counts in an interference proceeding than in an ex parte proceeding.

See also, *Slingluff v. Sweet*, 45 App. D. C. 302; 230 O. G. 659, where the question was again considered and the same conclusion reached.

It results that the decision must be affirmed. Affirmed.

ADJUDICATED PATENTS.

(D. C. Calif.) The Layne patent, No. 821,653, for well mechanism, *Held* valid, but not infringed. *Layne & Bowler Corporation v. American Well & Prospecting Co.*, 300 Fed. Rep. 228.

(D. C. Mich.) The Michelin patent, No. 927,266, for means for securing tires of automobiles, *Held* valid and infringed. *Michelin v. Hayes Wheel Co.*, 300 Fed. Rep. 458.

(D. C. Mich.) The Golde patent, No. 1,034,899, *Held* invalid because application signed and executed by the inventor not with his own name, but with a trade name under which he was doing business. *Brewer-Titchener Corporation v. American Forging & Socket Co.*, 300 Fed. Rep. 335.

(C. C. A. Mass.) The Mauger patent, No. 1,036,289, for water gauge, *Held* not infringed. *Edna Brass Mfg. Co. v. Wiltbone Mfg. Co.*, 300 Fed. Rep. 36.

(D. C. Conn.) The Lard patent, No. 1,125,029, for metallic golf-club shaft, *Held* not infringed. *Metallic Shaft Co. v. Horton Mfg. Co.*, 300 Fed. Rep. 468.

(D. C. Mass.) The Pierce patent, No. 1,153,704, for wrapping for articles of ring form, claims 1 and 2 *Held* valid and infringed. *Pierce Wrapping Mach. Co. v. Terkelsen Mach. Co.*, 300 Fed. Rep. 147.

(D. C. Mass.) The Midgley patents, Nos. 1,158,278, 1,238,318, 1,263,923, and 1,432,034, for tire-wrapping machines, *Held* valid and infringed. *Pierce Wrapping Mach. Co. v. Terkelsen Mach. Co.*, 300 Fed. Rep. 147.

(C. C. A. Ill.) The Agrilla patent, No. 1,177,079, for belt, claim 2 *Held* valid and infringed. *Victory Belt Co. v. Marshall Field Co.*, 300 Fed. Rep. 67.

(D. C. Calif.) The Roberti patent, No. 1,180,432, for mattresses, claims 2 and 3 *Held* valid and infringed. *Roberti v. Jonas*, 300 Fed. Rep. 181.

(C. C. A. Mich.) The Collis patent, No. 1,356,340, for process of evaporating buttermilk, *Held* invalid. *Collis Products Co. v. Cadillac Produce Co.*, 300 Fed. Rep. 332.

(D. C. R. I.) The Blanchard patent, No. 1,467,468, for flexible bracelet, *Held* valid and infringed. *Ideal Jewelry Co. v. Peyton*, 300 Fed. Rep. 422.

PATENT SUITS.

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922.)

666,711, R. Stauf, Method of desiccating blood, etc., suit filed June 19, 1911, D. C. W. D. N. Y., Doc. 488 CC, *Merrell-Soule Co. v. Powdered Milk Co. of America et al.* Final decree for judgment in favor of plaintiff (notice dated Sept. 12, 1924).

860,929, Merrell, Merrell & Gere, Process and apparatus for separating the moisture from the constituent solids of liquids; 1,000,931, same, Apparatus for recovering the constituent solids of liquids and semiliquids; 1,282,093, Lietzow & Fleischer, Desiccation process; 1,038,773, J. C. MacLachlan, Desiccating apparatus, suit filed June 30, 1924, D. C. M. D. Pa., Doc. 433, *Merrell-Soule Co. v. Dewart Milk Products Co.*

866,306, E. R. Robinson, Switch, suit filed Sept. 15, 1924, D. C. M. D. Pa., Doc. 440, *S. Hoffman v. Bethlehem Steel Co.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Sept. 12, 1924, D. C. W. D. Mich. (S. Div.), Doc. 2019, *The Davey Tree Expert Co. v. P. Westerville et al.*

1,000,931. (See 860,929.)

1,004,385, A. F. Becker, Printer's blanket, suit filed Nov. 8, 1922, D. C. Mass., Doc. E 1778, *Tingue, Brown & Co. v. New England Fibre Blanket Co.* Final decree assented to, dismissing bill without prejudice, Aug. 9, 1924.

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps, interlocutory decree for plaintiff for a preliminary injunction entered July 30, 1924. Final decree for plaintiff for permanent injunction entered Sept. 15, 1924, D. C. Mass., Doc. E 1939, *General Electric Co. v. Hanan Lamp Co., Inc.* Same, final decree assented to for plaintiff for an injunction was entered July 23, 1924, D. C. Mass., Doc. E 1940, *General Electric Co. v. W. W. Lee.*

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes; 1,180,159, I. Langmuir, Incandescent electric lamps, final consent decree for plaintiff for an injunction granted Sept. 9, 1924, D. C. Mass., Doc. E 1961, *General Electric Co. v. Solar Electric Lamp Co., Inc., et al.*

1,038,773. (See 860,929.)

1,046,066, J. Harmatta, Electric welding, suit filed Mar. 5, 1917, D. C. Mass., Doc. E 782, *American Electric Welding Co. et al. v. R. H. White Co.* Final consent decree for plaintiff entered Apr. 9, 1917; petition for leave to file a bill of review allowed and leave granted Sept. 5, 1924; final consent decree dismissing bill Sept. 5, 1924. Same, suit filed Sept. 5, 1924, D. C. Mass., Doc. E 2004, *R. H. White Co. v. American Electric Welding Co. et al.* Final decree vacating decree in *American Electric Welding Co. et al.*, No. 782 equity, and dissolving injunction, Sept. 5, 1924.

1,082,933. (See 1,018,502.)

1,113,149, E. H. Armstrong, Wireless receiving system, final decree assented to for plaintiff for injunction entered Sept. 9, 1924, D. C. Mass., Doc. E 1927, *Westinghouse Electric & Mfg. Co. v. Richardson Drug Co. et al.* Same, suits filed Aug. 22, 1924, D. C. N. D. Ill. (E. Div.), Doc. 4234 and Doc. 4235, *Westinghouse Electric & Mfg. Co. v. Chicago Radio Laboratory et al.*

1,171,388, M. F. Field, Warp-drawing machine, suit filed Apr. 9, 1920, D. C. Mass., Doc. E 997, *Barber-Colman Co. v. The Magnano Corp.* Final decree dismissing bill entered June 20, 1923. Case

appealed. Mandate of circuit court of appeals (1st Cir.) filed modifying decree of district court by vacating the adjudications of clauses 1 and 2 thereof, and, as thus modified, the decree of the district court is affirmed, Aug. 15, 1924. Final consent decree after mandate dismissing bill Sept. 10, 1924.

1,180,150. (See 1,018,502.)

1,215,789, M. F. Field, Warp-drawing machine and mechanism for manipulating detached heddies therein, suit filed Apr. 16, 1920, D. C. Mass., Doc. E 908, *Barber-Colman Co. v. The Magnano Corp.* Final decree dismissing bill entered June 20, 1923. Case appealed. Mandate of circuit court of appeals (1st Cir.) filed modifying decree of district court by vacating the adjudications of clauses 1 and 2 thereof, and, as thus modified, the decree of the district court is affirmed, Aug. 15, 1924. Final consent decree after mandate dismissing bill Sept. 10, 1924.

1,282,093. (See 860,929.)

1,296,782, F. E. Ellis, Printer's blanket, final decree assented to for plaintiffs for injunctions was entered Aug. 9, 1924; injunctions issued against defendants, F. E. Paige and Tingle, Brown & Co., Aug. 11, 1924, D. C. Mass., Doc. E 1737, *F. E. Ellis et al. v. F. E. Paige et al.*

1,493,521, Wright & Corson, Method for drilling and applying brake-band linings, suit filed July 24, 1924, D. C., E. D. Pa., Doc. 3093, *Wright & Corson Co. v. G. S. Davis (Davis Brake Co.)*.

Des. 61,719. (See Des. 64,162.)

Des. 64,160. (See Des. 64,162.)

Des. 64,162, Des. 64,163, Des. 61,719, F. S. Crowell, Chandelier for lighting fixtures; Des. 64,165, same, Bracket for lighting fixtures; Des. 64,166, Des. 64,167, same, Plate for lighting fixtures; Des. 64,160, same, Ceiling light for lighting fixtures; Des. 64,343, same, Bracket back plate for lighting fixtures, suit filed Aug. 4, 1924, D. C., E. D. Pa., Doc. 3099, *The E. N. Riddle Co. v. Champion Incandescent Lighting Co.*

Des. 64,163. (See Des. 64,162.)

Des. 64,165. (See Des. 64,162.)

Des. 64,166. (See Des. 64,162.)

Des. 64,167. (See Des. 64,162.)

Des. 64,343. (See Des. 64,162.)

TRADE-MARKS CANCELED.

119,792. Milk chocolate. Peter Cailler Kohler Swiss Chocolates Co., Inc., New York, N. Y. Registered December 11, 1917. Canceled September 23, 1924.

147,854. Knit goods—namely, hosiery, sweaters, underwear, and work shirts. David Harris & Elser, Scranton, Pa. Registered November 1, 1921. Canceled September 5, 1924.

149,875. Polish for cleaning and polishing furniture, floors, linoleum, pianos, autos, etc. Channell Chemical Company, Chicago, Ill.; Toronto, Canada; London, England; and Paris, France. Registered December 27, 1921. Canceled September 20, 1924.

177,184. Canned salmon. Bankers Discount Association, Astoria, Oreg. Registered December 11, 1923. Canceled September 23, 1924.

180,106. Laundry soaps in powder form. The Hewitt Bros. Soap Co., Dayton, Ohio. Registered February 19, 1924. Canceled August 15, 1924.

Notices of Cancellation.

U. S. PATENT OFFICE, Washington, Oct. 1, 1924.

The K-O Shoe Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Dunlap & Co., 431 Fifth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of The Alter & McCaffrey Co., of Cincinnati, Ohio, No. 42,288, dated March 20, 1904. The Office records show that the legal title of the above trade-mark registration remains in The K-O Shoe Company, as said registration was never properly assigned by it. The K-O Shoe Company having gone out of business and the Office not being able to secure service upon said company, notice is hereby given that unless The K-O Shoe Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. The notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 1, 1924.

The K-O Shoe Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Dunlap & Co., 431 Fifth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of The Alter & McCaffrey Co., of Cincinnati, Ohio, No. 57,347, dated November 13, 1906. The Office records show that the legal title of the above trade-mark registration remains in The K-O Shoe Company, as said registration was never properly assigned by it. The K-O Shoe Company having gone out of business and the Office not being able to secure service upon said company, notice is hereby given that unless The K-O Shoe Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. The notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Disclaimer.

1,506,840.—Robert B. Kernohan, James S. Lochhead, and Willibald Trinks, Pittsburgh, Pa. STRUCTURE AND METHOD OF OPERATION OF HEATING FURNACES. Patent dated September 2, 1924. Disclaimer filed September 17, 1924, by the patentees.

Hereby enter their disclaimer—

"To claims 1, 2, 4, 5, and 6 of the said Letters Patent, No. 1,506,840, the said claims reading as follows:

"1. In a heating furnace using preheated air for combustion the method of operation herein described which consists in maintaining a passageway for such preheated air leading to the furnace chamber and in projecting into such passageway a flow-inducing jet of compressed gas at a velocity exceeding that of sound and causing fuel to mingle in the stream.

"2. In the operation of a furnace using preheated air for combustion the method herein described of impelling the flow of air to the furnace chamber which consists in projecting into the line of flow a jet of gas at a velocity exceeding that of sound.

"4. In a heating-furnace structure the combination with a furnace chamber of an air passageway leading thereto, means for projecting into said air passageway a flow-inducing jet of gas at a velocity exceeding that of sound, and means for admitting fuel to the induced stream, substantially as described.

"5. In a heating-furnace structure the combination with a furnace chamber provided with an intake passageway for air and an outgoing passageway for products of combustion, means for drawing the products of combustion through the outgoing passageway and means for projecting a flow-inducing jet of fluid at a velocity exceeding that of sound within the intake passageway, substantially as described.

"6. The method herein described of firing a furnace which consists in establishing conditions of low-velocity flow through the furnace as a whole and at the intake end increasing locally the flow to a flow of high velocity by projecting into the flow a jet of fluid at a velocity exceeding that of sound."

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 21, 1924.

[VOL. 327. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 124,578. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RACINE AUTO TIRE COMPANY, Racine, Wis. Filed Nov. 5, 1919.



Particular description of goods.—Inner Tubes for Pneumatic Tires.

Claims use since about Mar. 1, 1919.

Ser. No. 156,466. (CLASS 15. OILS AND GREASES.) PEOPLES OIL COMPANY, Augusta, Ga. Filed Dec. 8, 1921.



The trade-mark consists of the words "Red Arrow" appearing on the shaft of an arrow. The word "Gasoline" is disclaimed apart from the mark shown.

Particular description of goods.—Gasoline, Lubricating Oils, and Greases.

Claims use since on or about Nov. 1, 1921.

Ser. No. 162,271. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. SCHILLING Co., Green Bay, Wis. Filed Apr. 13, 1922.

NICOLET

Particular description of goods.—Bouillon Cubes, Baked Beans, Birdseed, Coffee, Canned Fruits, Canned Vegetables, Canned Fish, Catchup, Chili Sauce, Chocolate, Cocoa, Currants, Canned Milk, Breakfast Cereals, Condiments, Dried Fruits, Food Extracts, Horse-Radish, Honey, Hominy, Jams, Jelly, Olives, Nuts, Olive Oil, Marshmallow Topping, Mustard Salad, Fruit Preserves, Peanut Butter, Pickles, Pop Corn, Table Syrup, Sugar

(Cubes, Tablets, Loaf, and Powdered), Salad Dressing, Sauerkraut, Spices, Teas, Tapioca, Pork and Beans, and Oysters.

Claims use since Mar. 14, 1921.

Ser. No. 162,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. SCHILLING Co., Green Bay, Wis. Filed Apr. 13, 1922.

Schilco

Particular description of goods.—Bouillon Cubes, Baked Beans, Birdseed, Coffee, Canned Fruits, Canned Vegetables, Canned Fish, Catchup, Chili Sauce, Chocolate, Cocoa, Currants, Canned Milk, Breakfast Cereals, Condiments, Dried Fruits, Food Extracts, Cereal Flour, Horse-Radish, Honey, Hominy, Jams, Jelly Powder, Jelly, Mustard, Olives, Nuts, Olive Oil, Mincemeat, Mustard Salad, Fruit Preserves, Peanut Butter, Pickles, Raisins, Table Syrup, Sugar (Cubes, Tablets, Loaf, and Powdered), Salad Dressing, Sauerkraut, Spices, Seeds (Culinary), Teas, Tapioca.

Claims use since June 20, 1921.

Ser. No. 166,474. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed July 3, 1922.



LANGHAM

Particular description of goods.—Woolen Cloths in the Piece Intended for Sulting, Etc.

Claims use since Apr. 7, 1922.

Ser. No. 168,423. (CLASS 43. THREAD AND YARN.) KÖLN-ROTTWEIL AKTIENGESELLSCHAFT, Berlin, Germany. Filed Aug. 18, 1922.

Vistra

Particular description of goods.—Yarn, Thread, and Floss.
Claims use since 13th of April, 1921.

Ser. No. 170,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR SAUNDERS, Sausalito, Calif. Filed Oct. 16, 1922.

BANANAETTE

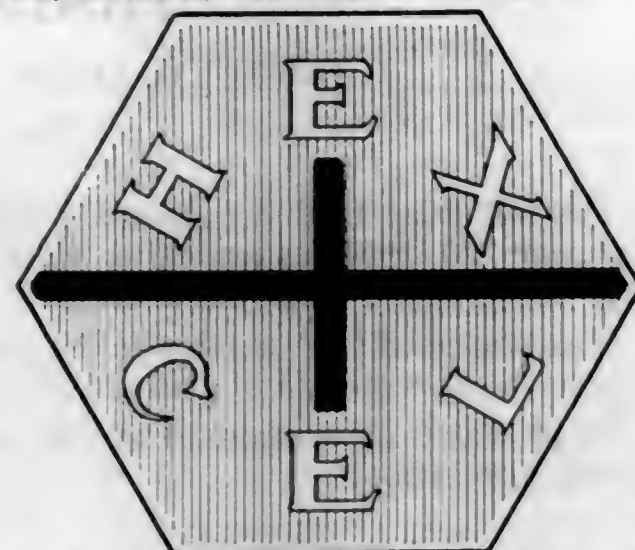
Particular description of goods.—Food Product Comprising a Banana Surrounded by Ice Cream and Retained in an Edible Casing.
Claims use since Aug. 1, 1922.

Ser. No. 171,175. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX KAUFMANN & CO., Inc., New York, N. Y. Filed Oct. 25, 1922.



Particular description of goods.—Piece Fabrics of Mixed Silk and Cotton Consisting of Cotton Warp and Douplonni Silk Filling.
Claims use since April, 1922.

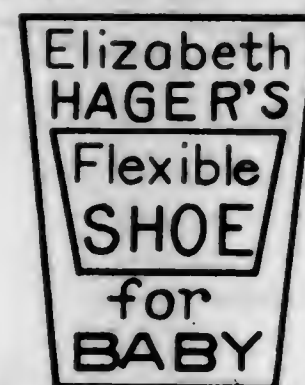
Ser. No. 172,290. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) OPITZ MANUFACTURING COMPANY, Milwaukee, Wis. Filed Nov. 20, 1922.



The lining appearing on the drawing is for shading only.

Particular description of goods.—Radiators—Namely, Automobile Radiators.
Claims use since Oct. 10, 1922.

Ser. No. 176,544. (CLASS 39. CLOTHING.) HAGERSTOWN SHOE & LEGGING CO., INC., Hagerstown, Md. Filed Feb. 24, 1923.



No claim is made for the words "Flexible Shoe for Baby."

Particular description of goods.—Leather Soles for Shoes for Infants and Children.
Claims use since about December, 1922.

Ser. No. 178,656. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAKERS SERVICE BUREAU, INC., New York, N. Y. Filed Apr. 6, 1923.



No claim is made to the exclusive use of the words "Quality Bakers of America by Invitation Only" apart from the mark as shown on the drawing.

Particular description of goods.—Bread.
Claims use since Mar. 28, 1923.

Ser. No. 180,138. (CLASS 39. CLOTHING.) THE MIDDLE WEST HAT MFG. CO., Cleveland, Ohio. Filed May 3, 1923.



The lining of the drawing is for the purpose of shading only. The words "Styles of Character" and "Un-Xld" which appear on the drawing are disclaimed apart from the mark.

Particular description of goods.—Men's Hats.
Claims use since Jan. 1, 1923.

Ser. No. 182,140. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass. Filed June 18, 1923.

MILKMORE DAIRY RATION

Exclusive ownership in the words "Dairy Ration" except in association with the mark as shown is disclaimed.
Particular description of goods.—Mixed Feed for Cattle.

Claims use since Sept. 1, 1922.

Ser. No. 182,239. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMING FLUID MANUFACTURERS ASSOCIATION, Boston, Mass. Filed June 20, 1923.



No claim is made to the words "Permanent Preservation Pays" nor the phrase "Use a Quality Fluid."
Particular description of goods.—Embalming Fluid.
Claims use since Apr. 26, 1923.

Ser. No. 183,148. (CLASS 15. OILS AND GREASES.) THE HAWKEYE OIL COMPANY, Waterloo, Iowa. Filed July 13, 1923.

SNOW DROP

Particular description of goods.—Gasoline.
Claims use since on or about Apr. 1, 1908.

Ser. No. 183,149. (CLASS 15. OILS AND GREASES.) THE HAWKEYE OIL COMPANY, Waterloo, Iowa. Filed July 13, 1923.

CRESCENT

Particular description of goods.—Gasoline.
Claims use since on or about Apr. 1, 1908.

Ser. No. 183,335. (CLASS 39. CLOTHING.) EDEUARD LINGEL, SCHUHFABRIK A.-G., Erfurt, Germany. Filed July 17, 1923.



Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Mixtures of These Materials.
Claims use since Oct. 9, 1922.

Ser. No. 183,944. (CLASS 39. CLOTHING.) ROBIT-SHEK, SCHNEIDER CO., Minneapolis, Minn. Filed Aug. 1, 1923.

Great Western

Particular description of goods.—Sheepskin-Fur Coats and Vests, Sheepskin-Lined Coats and Vests, Wool-Skin-Lined Coats and Vests, Leather Coats and Vests, Leather-Lined Coats and Vests, Mackinaw Coats and Vests, Work Shirts and Pants, and Hiking Shirts and Pants.
Claims use since prior to Jan. 1, 1889.

Ser. No. 184,423. (CLASS 39. CLOTHING.) THE ROBBINS KNITTING CO., High Point, N. C. Filed Aug. 13, 1923.



No claim is made to the word "Hosiery" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since June 16, 1923.

Ser. No. 184,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARLIER FRUIT GROWERS ASSN., Parlier, Calif. Filed Aug. 18, 1923.



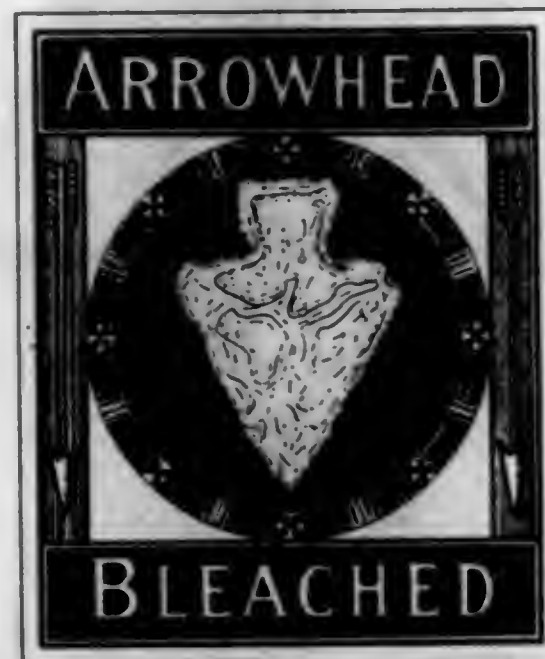
Particular description of goods.—Fresh Grapes, Also Fresh Peaches, Plums, Nectarines, Pomegranates, Apricots, and Pears.
Claims use since July 3, 1923.

Ser. No. 185,046. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHWARTZ BROS. & CO., INC., New Orleans, La. Filed Aug. 27, 1923.

**RIGHT
BRAND**

No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Handkerchiefs.
Claims use since Jan. 1, 1910.

Ser. No. 185,756. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed Sept. 13, 1923.



The word "Bleached" is not a part of the trade-mark.
Particular description of goods.—Cotton Piece Goods.
Claims use since January, 1915.

Ser. No. 186,184. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEBRON ROLLER MILLS, Hebron, N. Dak. Filed Sept. 25, 1923.



Particular description of goods.—Whole-Wheat Flour and Graham Flour.
Claims use since Apr. 10, 1923.

Ser. No. 186,539. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSSEN & CO., INC., New York, N. Y. Filed Oct. 4, 1923.

Peaudegant

Particular description of goods.—Wool-Velour Coating Piece Goods.
Claims use since July 1, 1923.

Ser. No. 187,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Oct. 25, 1923.

Araby

Particular description of goods.—Talcum Powder, Face Powder, Cold Cream, Lip Sticks, Dental Cream, Perfume, and Toilet Water.
Claims use since Oct. 5, 1923.

Ser. No. 187,616. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FIBERLOID CORPORATION, Indian Orchard, Mass. Filed Oct. 29, 1923.

**Giftware of
FIBERLOID**

Without waiving any of its common-law rights applicant disclaims an exclusive right to the word "Giftware" apart from the mark shown in the drawing.
Particular description of goods.—Nail Files, Nail Clippers, Nail Polishers, Cuticle Knives, Manicure Tweezers, and Manicure Scissors, All Made of Pyroxylin.
Claims use since Apr. 1, 1923.

Ser. No. 187,696. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SANITAS COMPANY, INC., Jersey City, N. J., and Brooklyn, N. Y. Filed Oct. 30, 1923.

STIM

Particular description of goods.—Preparations for Falling Hair, Dandruff, and Itching Scalp.
Claims use since Aug. 30, 1923.

Ser. No. 187,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SANITAS COMPANY, INC., Jersey City, N. J., and Brooklyn, N. Y. Filed Oct. 30, 1923.



The panel being blue and indicated by color lines.
Particular description of goods.—Preparations for Falling Hair, Dandruff, and Itching Scalp.
Claims use since Aug. 30, 1923.

Ser. No. 188,422. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LAMPORT MFG. SUPPLY CO., INC., New York, N. Y. Filed Nov. 16, 1923.

NATALLIE

Particular description of goods.—Textile Fabrics—Namely, Linen, Canvas, Cotton, and Sailcloth. Said Goods are in the Piece.
Claims use since June, 1915.

Ser. No. 190,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TENNESSEE COAL, IRON & RAILROAD COMPANY, Birmingham, Ala. Filed Dec. 24, 1923.

**DUPLEX
BASIC
PHOSPHATE**

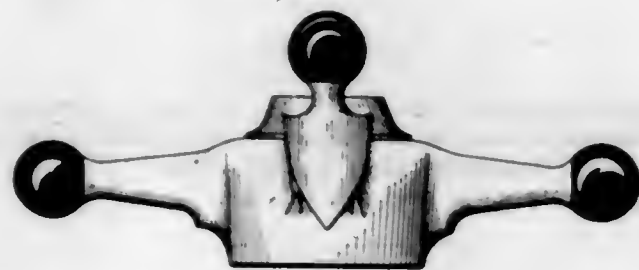
No claim is made herein to the registration of the words "Basic Phosphate" apart from the mark shown in the drawing.
Particular description of goods.—Phosphate.
Claims use since July 15, 1915.

Ser. No. 190,722. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELITE-WERKE AKTIENGESELLSCHAFT ABTEILUNG DIAMANT-WERKE, Siegmars, Germany. Filed Jan. 12, 1924.

Diamant

Trade-mark consists of the word "Diamant."
Particular description of goods.—Manually and Power Operated Knitting Machines, Winding Machines, and Parts Thereof.
Claims use since September, 1912.

Ser. No. 191,201. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAURENCE A. SWEET, doing business as Laurence A. Sweet Manufacturing Co., Los Angeles, Calif. Filed Jan. 23, 1924.



The trade-mark consists of coloring the tips of the laterally-extending arms of the radiator cap black. No claim is made to the representation of the radiator cap as shown in the drawing.
Particular description of goods.—Radiator Caps.
Claims use since November, 1922.

Ser. No. 191,533. (CLASS 38. PRINTS AND PUBLICATIONS.) LESTER DOUGLAS, New York, N. Y. Filed Jan. 31, 1924.

PLAYTIME · PICTURE · STORIES

"CUT THEM OUT—PASTE THEM DOWN—
FUN FOR THE KIDDIES THE WHOLE DAY ROUND!"

No claim is made to the following words apart from the mark shown: "Cut them out. Paste them down. Fun for the kiddies the whole day round."
Particular description of goods.—Children's Books Published Periodically.
Claims use since Nov. 1, 1923.

Ser. No. 191,945. (CLASS 39. CLOTHING.) ETABLISSEMENTS GASTON VERDIER (SOCIETE ANONYME), Meaux, Seine-et-Marne, France. Filed Feb. 7, 1924.

LE GUI

Particular description of goods.—Stockings, Socks, and Half Stockings.
Claims use since Aug. 4, 1919.

Ser. No. 192,184. (CLASS 39. CLOTHING.) LONDON FEATHER NOVELTY COMPANY, New York, N. Y. Filed Feb. 12, 1924.



Particular description of goods.—Ladies' Hats.
Claims use since July 16, 1923.

Ser. No. 192,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN WILSON CLINARD, doing business as Clinard Milling Company, High Point, N. C. Filed Feb. 13, 1924.



Particular description of goods.—Wheat Flour.
Claims use since October, 1920.

Ser. No. 193,146. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESTERN SOAP & CHEMICAL COMPANY, Los Angeles, Calif. Filed Mar. 1, 1924.

RAYLIGHT

Particular description of goods.—Soap, Soap Flakes, and Washing Powder.
Claims use since Feb. 15, 1924.

Ser. No. 193,308. (CLASS 39. CLOTHING.) RICHMOND HOSIERY MILLS, Rossville, Ga. Filed Mar. 5, 1924.

MIAMI

Particular description of goods.—Hosiery and Knitted and Netted Underwear for Men, Women, and Children.
Claims use since May 15, 1923.

Ser. No. 193,393. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) GENERAL PLATE COMPANY, Attleboro, Mass. Filed Mar. 7, 1924.

NUMIUM

Particular description of goods.—Ferrous and Non-ferrous Alloys.
Claims use since June 15, 1923.

Ser. No. 193,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD WHOLESALE GROCERY CO., Chicago, Ill. Filed Mar. 8, 1924.

"lots - of"

Particular description of goods.—Canned Fish.
Claims use since November, 1921.

Ser. No. 193,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK M. HLADKY, doing business as Bo-Ko Health Laboratory, Cleveland, Ohio. Filed Mar. 15, 1924.

BO - KO

Particular description of goods.—Liniment, Laxative Salts, Diuretic Stimulant Balm Used Externally as a Liniment, Rheumatic Pills, Headache Powders, and Healing Salve.
Claims use since Nov. 1, 1923.

Ser. No. 194,122. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed Mar. 20, 1924.

AFTABATH

Particular description of goods.—Toilet Powders.
Claims use since Jan. 21, 1924.

Ser. No. 194,615. (CLASS 39. CLOTHING.) POLKASE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 28, 1924.

MA JONGG

Particular description of goods.—Fancy Rubber Tea Aprons, Bibs, Bathing Caps, and Bathing Bandannas Used as Caps.
Claims use since Jan. 1, 1924.
327 O. G.—30

Ser. No. 194,892. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WADDINGTON LIMITED, Leeds, England. Filed Apr. 2, 1924.

"BUCCANEER"

Particular description of goods.—Playing Cards.
Claims use since Jan. 14, 1924.

Ser. No. 194,935. (CLASS 39. CLOTHING.) GENE MURPHY, doing business as Gene Murphy, Los Angeles, Calif. Filed Apr. 3, 1924.

KNOCK'EM DEAD

Particular description of goods.—Dress, Negligee, and Work Shirts; Neckties, Collars, Scarfs and Cravats, and Knitted and Textile Fabric Underwear for Men; Bath Robes, Sweaters, and Fancy Vests.
Claims use since Apr. 20, 1916.

Ser. No. 195,059. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RAY D. HARRIS, doing business as Elaterite Refining Company, Vernon, Calif. Filed Apr. 5, 1924.

ELATERITE



No rights are asserted to the exclusive use of the word "Elaterite" apart from the mark as shown in the drawing.

Particular description of goods.—Refined Elaterites, Mineral Rubbers in the Nature of Paint, Insulating Compounds, Sealing Compounds, Expansion-Joint Compounds, Marine Paints, Roof Coatings, Fiber-Roof Paints, Waterproofing, Acid-Proof Paints, Auto Top Dressing, Paint Enamels, Baking and Air Drying.
Claims use since July 2, 1919.

Ser. No. 195,083. (CLASS 43. THREAD AND YARN.) "SNIA-VISCOSA" SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy. Filed Apr. 5, 1924.



The word "Torino" being disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Artificial Silk; Spun, Thrown, Sewing, or Knitting Twist; Yarn, and Thread. Claims use since Mar. 10, 1923.

Ser. No. 195,213. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CLEVELAND VARNISH COMPANY, Cleveland, Ohio. Filed Apr. 9, 1924.

CLEVELAND



"WEAR LIKE FLINT"

"Cleveland" as geographical and "Wears Like Flint" as a slogan and the word "Trade-Mark" are disclaimed.

Particular description of goods.—Varnishes, Lacquers, Varnish Enamels and Paint Enamels, Coach Colors, Colors in Japan, Floor Stains; Dry, Paste, and Ready-Mixed Paint; and Painters' Materials consisting of Linseed and China-Wood Oils and Turpentine. Claims use since June 2, 1924.

Ser. No. 195,241. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SNOWMOBILE COMPANY, West Ossipee, N. H. Filed Apr. 9, 1924.

SNOWMOBILE

Trade-mark comprises the arbitrarily-coined word "Snowmobile," which, in the example shown in the drawing, is distinctly displayed.

Particular description of goods.—Land Motor Vehicles and Parts of the Same, Said Vehicles Including Tanks, But Being Otherwise of General Utility for Carrying Passengers and Goods.

Claims use since on or about Sept. 18, 1923.

Ser. No. 195,438. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ETABLISSEMENTS CHANÉ & DUMAIL, Paris, France. Filed Apr. 12, 1924.

"NÉO"

Particular description of goods.—Textile Fabrics—Namely, Hemp, Flax, Cotton, and Jute Fabrics. Claims use since Jan. 1, 1924.

Ser. No. 195,439. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ETABLISSEMENTS CHANÉ & DUMAIL, Paris, France. Filed Apr. 12, 1924.



The words "Marque Déposée" are not herein claimed apart from the trade-mark shown.

Particular description of goods.—Textile Fabrics—Namely, Hemp, Flax, Cotton, and Jute Fabrics. Claims use since Jan. 1, 1924.

Ser. No. 195,472. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. F. WEINRICH, doing business as Weinrich Pickle Co., Los Angeles, Calif. Filed Apr. 12, 1924.

PETER PIPER

Particular description of goods.—Pickles. Claims use since Mar. 28, 1924.

Ser. No. 195,595. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GAILLET, Paris, France. Filed Apr. 15, 1924.



No claim is made to the word "Paris" apart from the mark shown. The drawing is lined and shaded to indicate the colors red and gold.

Particular description of goods.—Powders and Pastes for Beautifying and Preserving the Teeth, Hair, and Skin, and Perfumery.

Claims use since September, 1906.

Ser. No. 195,752. (CLASS 39. CLOTHING.) A. LOWITT & CO., INC., New York, N. Y. Filed Apr. 18, 1924.

Little Sisters

Trade-mark "Little Sisters."

Particular description of goods.—Children's Coats. Claims use since August, 1923.

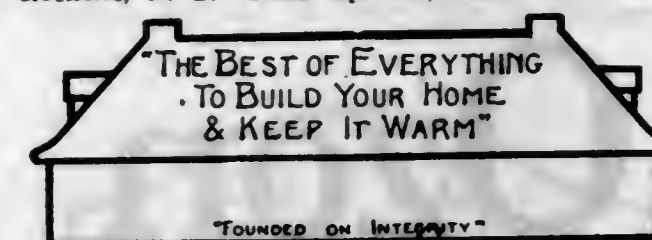
Ser. No. 196,234. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. C. CLEMONS PRODUCE CO., Kansas City, Mo. Filed Apr. 28, 1924.

Triple
CCC

Particular description of goods.—Potatoes and Fresh Vegetables.

Claims use since Aug. 1, 1923.

Ser. No. 196,255. (CLASS 12. CONSTRUCTION MATERIALS.) NEW ROCHELLE COAL & LUMBER CO., New Rochelle, N. Y. Filed Apr. 28, 1924.



The wording on drawing is hereby disclaimed. Particular description of goods.—Lumber of Soft Woods and Hard Woods, Building Material Such as Asphalt, Cement, Gypsum, and Lime. Claims use since 1921.

Ser. No. 196,262. (CLASS 33. GLASSWARE.) WILLIAM M. SHEWRY, Chicago, Ill. Filed Apr. 28, 1924.

SPASO SAVO

Particular description of goods.—Glass Dishes. Claims use since September, 1923.

Ser. No. 196,476. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PROGRESSIVE KNITTING WORKS INC., Brooklyn, N. Y. Filed May 2, 1924.



Trade-mark consists of a fanciful picture bearing the inscription "Rubay-ETTE." No claim is made for the words "Knitted Fabric" apart from the mark.

Particular description of goods.—Knitted, Netted, and Textile Fabrics.

Claims use since Jan. 1, 1924.

Ser. No. 196,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT MOSHEIM, New York, N. Y. Filed May 3, 1924.

TRE-JUR

Particular description of goods.—Face Powder, Compacts—viz, Compact Powders and Compact Rouges—Lip Sticks, Eyebrow Pencils, Liquid Face Powder, Mascara, Sachet, Talcum Powder, Face Lotion, Powder Refills and Rouge Refills, and Liquid Cuticle Remover, Hair Tonics, Toilet Water, Perfume, Nail Polish, Cold Cream, and Tooth Paste.

Claims use since Sept. 1, 1923.

Ser. No. 196,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HIGH GRADE HAIR CO., New York, N. Y. Filed May 7, 1924.

Ozon

Particular description of goods.—Henna Preparations for Coloring the Hair.
Claims use since about October, 1922.

Ser. No. 196,899. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ROY H. BERGSTROM, Seattle, Wash. Filed May 12, 1924.

FLEXITE

Particular description of goods.—Steel and Iron Bars.
Claims use since Aug. 1, 1923.

Ser. No. 197,017. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THOMAS DEVELON, JR., Philadelphia, Pa. Filed May 14, 1924.

ROYAL PAMIDA

Particular description of goods.—Wilton Rugs.
Claims use since May 1, 1924.

Ser. No. 197,519. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMOND VAUCHER, Lausanne, Switzerland. Filed May 23, 1924.

PYOTERSINE

Particular description of goods.—Liquid, Powder, and Paste Dentifrices; Toilet Creams, Toilet Water, Aromatic Vinegar for Toilet Use, and Hair Tonics.
Claims use since Oct. 15, 1923.

Ser. No. 197,551. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL G. McFRANKLIN, Chicago, Ill. Filed May 24, 1924.

Pure O' Youth

Particular description of goods.—Facial Cream.
Claims use since Nov. 1, 1923.

Ser. No. 197,003. (CLASS 39. CLOTHING.) MAX GUSTIN, doing business as Max Gustin Co., New York, N. Y. Filed May 27, 1924.



Without waiver of common-law rights no claim is made to the exclusive use of the word "Trade-Mark" and the representation of the shoes apart from the mark shown on the drawing.

Particular description of goods.—Slippers with and without Heels Made of Leather, Fabric, Rubber, and Combinations Thereof.

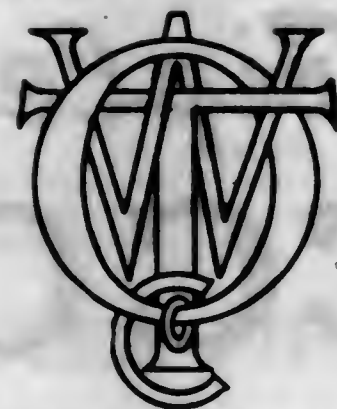
Claims use since about June 15, 1923.

Ser. No. 197,677. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OLD TOWN WOOLEN CO., INC., Old Town, Me. Filed May 27, 1924.



Particular description of goods.—Wool and Mixed Cotton and Wool Blankets.
Claims use since June, 1923.

Ser. No. 197,679. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OLD TOWN WOOLEN CO., INC., Old Town, Me. Filed May 27, 1924.



Particular description of goods.—Wool and Mixed Cotton and Wool Blankets.
Claims use since June, 1923.

Ser. No. 197,810. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GUIDE MOTOR LAMP MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 29, 1924.

Guide

Particular description of goods.—Electric Lamps for Automobiles and Motor Vehicles of All Kinds.
Claims use since January, 1910.

Ser. No. 197,815. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HERSON-SOMMERS CO., INC., New York, N. Y. Filed May 29, 1924.

EVERTITE

Trade-mark consists of the word "Evertite."
Particular description of goods.—Waterproofing and Dampproofing Compounds in Liquid, Paste, and Powder Form; Roofing Liquids and Cements, Floor Hardeners, and Colors for Cements.
Claims use since April, 1922.

Ser. No. 197,839. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed May 29, 1924.



The characters in trade-mark have no special significance.

Particular description of goods.—Silk and Silk and Cotton Goods in the Piece.
Claims use since Apr. 1, 1916.

Ser. No. 197,869. (CLASS 4. ABRASIVE, DETEGENT, AND POLISHING MATERIALS.) CROFTS & REED CO., Chicago, Ill. Filed May 31, 1924.



No separate claim is made to the word "Shampoo" apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since Mar. 1, 1924.

Ser. No. 197,979. (CLASS 39. CLOTHING.) ABERCROMBIE & FITCH CO., INC., New York, N. Y. Filed June 3, 1924.

Drigolf

Particular description of goods.—High and Low Shoes of Leather with Either Leather or Rubber Soles, Hats for Men and Women; Men's Coats, Long Trousers, Breeches, Knickerbockers, Topcoats; Women's Coats, Skirts, Knickerbockers, and Topcoats.
Claims use since May 2, 1924.

Ser. No. 198,083. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSA-KYHTIO SAVO, LTD., Kuopio, Finland. Filed June 4, 1924.



No claim is made to the exclusive use of the word "Glödfria," meaning impregnated, or to the word "Import," or to the word "Säkerhets," meaning safety, and the word "Tänderstickor," meaning matches, no claim

being made to the exclusive use thereof apart from the mark as shown in the drawing, without, however, waiving the common-law right to the exclusive use of these words to form the complete mark.

Particular description of goods.—Matches.
Claims use since June 19, 1923.

Ser. No. 198,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEPHEN E. COMSTOCK, doing business as S. E. Comstock & Co., Newark, N. Y. Filed June 5, 1924.



No claim is made to the words "Superior Quality" and "Brand" apart from the mark shown.

Particular description of goods.—Canned Fresh Fruits and Vegetables—Namely, Sweet Corn, Bantam Corn, Beans, Peas, Pears, Cherries, Strawberries, Raspberries, Peaches, and Plums.

Claims use since about 1895.

Ser. No. 198,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEPHEN A. LLOYD, Anderson, Ind. Filed June 6, 1924.

Twentieth Century WORM CHASER

Particular description of goods.—Powder to be Administered Internally for the Treatment of Hogs to Eradicate Worms.

Claims use since May 8, 1924.

Ser. No. 198,234. (CLASS 39. CLOTHING.) CHARLES GUZY, doing business as Chas. Guzy Mfg. Co., Wilkes-Barre, Pa. Filed June 7, 1924.

For my Baby
Sanapak
Baby Clothes

No claim is made to the exclusive use of the words "For My Baby Baby Clothes" apart from the mark as shown in the drawing.

Particular description of goods.—Babies' Wear—viz, Dresses, Petticoats, Creepers, Rompers, Sets, Sacks, Underwear, Flannelette Wear—viz, Kimonos, Gowns, Petticoats, Gertrudes, Slips and Sleepers, Aprons, and Panty Dresses.

Claims use since March, 1922.

Ser. No. 198,305. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. HANLY, St. Paul, Minn. Filed June 9, 1924.

ULCER-KURO

The word "Ulcer" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Medicinal Compound for Ulcers of the Stomach.

Claims use since Mar. 15, 1924.

Ser. No. 198,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARD L. JONES, doing business as Pa-Po Laboratories, Los Angeles, Calif. Filed June 12, 1924.



Particular description of goods.—Hair Grower.
Claims use since May 9, 1924.

Ser. No. 198,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed June 16, 1924.



MITY GUDE

No claim is made for the words "Mity Gude" except in connection with the mark as shown, applicant reserving, however, all common-law rights to the mark as shown.

Particular description of goods.—Wheat Flour.
Claims use since about 1910.

Ser. No. 198,745. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y. Filed June 18, 1924.



Particular description of goods.—Chambray, Gingham, Handkerchiefs, Ribbons in the Piece, Laces, Embroideries in the Piece, Hair Nets, Linens, White Goods of Linen and Cotton in Piece, and Bedwear in the Nature of Quilts, Counterpanes, Spreads.

Claims use on chambray and gingham since Sept. 2, 1914; on handkerchiefs since Sept. 27, 1919; on ribbons since Sept. 20, 1919; on laces and embroideries since Sept. 25, 1923; on hair nets since Apr. 26, 1924; on linens and white goods since May 10, 1924; on quilts, counterpanes, spreads since Sept. 27, 1919.

Ser. No. 198,979. (CLASS 39. CLOTHING.) BANKS HAT, INCORPORATED, New York, N. Y. Filed June 23, 1924.



Particular description of goods.—Hats for Ladies and Children.

Claims use since about June, 1923.

Ser. No. 199,001. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NORARD GROVER, Los Angeles, Calif. Filed June 23, 1924.

MASTER

Particular description of goods.—Woolen Billiard Cloth.

Claims use since on or about Jan. 1, 1914.

Ser. No. 199,014. (CLASS 39. CLOTHING.) THE NEW YORK GERCO COMPANY, Brockton, Mass. Filed June 23, 1924.



Particular description of goods.—Hosiery.
Claims use since about Nov. 1, 1921.

Ser. No. 199,050. (CLASS 39. CLOTHING.) ENID FROCKS, INC., New York, N. Y. Filed June 24, 1924.



Particular description of goods.—Dresses, Coats, Brasieres, Corsets, and Knitted and Textile Fabric Underwear.

Claims use since Aug. 5, 1922.

Ser. No. 199,076. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MITCHELL BROS. INC., New York, N. Y. Filed June 24, 1924.



No claim is made to the exclusive use of the words "Imported Sateen" apart from the mark as shown in the drawing, without, however, waiving the common-law rights to the use of these words as essentials of the mark.

Particular description of goods.—Cotton Fabrics.
Claims use since Nov. 10, 1923.

Ser. No. 199,131. (CLASS 39. CLOTHING.) LOUIS SCHLESINGER KNITTING CO. INC., New York, N. Y. Filed June 25, 1924.



Particular description of goods.—Bootees, Hoods, Toques, Mittens, Gloves, Socks, Sweaters, Sweater Sets, Baby Sets, Cap and Scarf Sets, Shawls, Scarfs, Knit Skirts, Cardigan Jackets, Ladies' Jackets, Knitted Headwear, Fascinators, Carriage Robes, Capes, Moccasins, Legging Drawers, Knitted Dresses, Knitted Rompers and Snugglers.

Claims use since June 20, 1924.

Ser. No. 199,205. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTIC SALT CO., Boston, Mass. Filed June 27, 1924.



No claim is made to the words "Brand" and "Karlsbad" apart from the mark shown on the drawing.
Particular description of goods.—Bathing Salt.
Claims use since Sept. 24, 1923.

Ser. No. 199,234. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. H. LEATHERS, doing business as A. H. Leathers Manufacturing Company, Dickson, Tenn. Filed June 27, 1924.



No claim is made to the words "Model Made in U. S. A., Dickson, Tenn."
Particular description of goods.—Baseball Bats.
Claims use since Apr. 28, 1923.

Ser. No. 199,238. (CLASS 39. CLOTHING.) W. W. MOORE COMPANY, Sharon, Pa. Filed June 27, 1924.

RIGARA

Particular description of goods.—Ready-to-Wear Clothing—Namely, Ladies' and Children's Coats, Suits, Skirts, Dresses, Shirts, Blouses, and Waists.
Claims use since about Mar. 15, 1918.

Ser. No. 199,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMESON-HEVENER COMPANY, St. Paul, Minn. Filed July 1, 1924.



Particular description of goods.—Dairy Food Made of Grains.
Claims use since Jan. 1, 1924.

Ser. No. 199,433. (CLASS 39. CLOTHING.) NATION AL GLOVE COMPANY, Columbus, Ohio. Filed July 1, 1924.



The lining expressing the color gold.
Particular description of goods.—Leather, Cotton, and Cotton and Leather Work Gloves.
Claims use since May 17, 1924.

Ser. No. 199,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN KATZ, Oakland, Calif. Filed July 2, 1924.



No claim is made to the exclusive use of the words "Saves the Eye."

Particular description of goods.—Preparation for Treatment of Eyes.

Claims use since about April, 1922.

Ser. No. 199,497. (CLASS 39. CLOTHING.) SEAMLESS BRASSIERE CO. INC., New York, N. Y. Filed July 2, 1924.

La Modique

Particular description of goods.—Brassières.
Claims use since June 13, 1924.

Ser. No. 199,500. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed July 2, 1924.

CHEE FOOD

Particular description of goods.—Silk, Silk and Cotton, and Cotton Goods in the Piece.
Claims use since January, 1924.

Ser. No. 199,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BADMINTON DISTEMPER CURE COMPANY LIMITED, Westminster, England. Filed July 3, 1924.

LINTOX

Particular description of goods.—Chemical Compound Used for Veterinary Purposes.
Claims use since about July 18, 1923.

Ser. No. 199,565. (CLASS 43. THREAD AND YARN.) MUTUAL THREAD COMPANY, New York, N. Y. Filed July 3, 1924.

Textiltown

Particular description of goods.—Threads and Yarns.
Claims use since about 1910.

Ser. No. 199,603. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERKSHIRE COTTON MANUFACTURING COMPANY, Adams, Mass. Filed July 5, 1924.



The picture which forms a feature of the mark is a fanciful one.

Particular description of goods.—Brown and Bleached Cotton Piece Goods.

Claims use since on or about June 3, 1924.

Ser. No. 199,738. (CLASS 39. CLOTHING.) ALABAMA OVERALL CO., Scottsboro, Ala. Filed July 8, 1924.

BIG JIM

Particular description of goods.—Overalls and Jumpers.

Claims use since August, 1922.

Ser. No. 199,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIUS DE BRUYN, doing business as M. de Bruyn Importing Co., New York, N. Y. Filed July 10, 1924.

BICO

Particular description of goods.—Prepared Foods—Namely, Canned Fish, Including Canned Kippered Herring and Canned Small Brisling Sardines.

Claims use since July 1, 1923.

Ser. No. 199,891. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOANNOT FILS & CIE., Paris, France. Filed July 11, 1924. Under ten-year proviso.

JOANNOT. PARIS: FRANCE

Particular description of goods.—Combs.
Claims use since 1872.

Ser. No. 199,892. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOANNOT FILS & CIE., Paris, France. Filed July 11, 1924. Under ten-year proviso.

JOANNOT 1^{er} CHOIX PARIS. FRANCE

Particular description of goods.—Combs.
Claims use since 1872.

Ser. No. 199,977. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France. Filed July 14, 1924.



Particular description of goods.—Soaps, Soap Pastes, and Soap Powders.
Claims use since on or about Aug. 1, 1923.

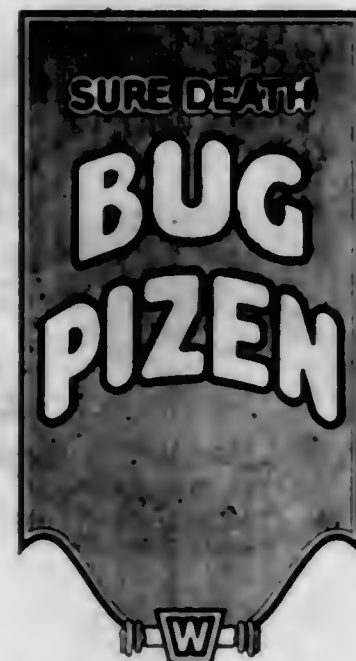
Ser. No. 200,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY NIER, San Francisco, Calif. Filed July 14, 1924.

Moperco

Particular description of goods.—Complexion Clay, Cold Cream, Tissue Cream, Lemon Cream, Vanishing Cream, Skin Tonic, Freckle Cream, Oils-of-Almond Cream, Complexion Powder, Sachet Powder, Puff-Powder Sachet, Hair Restorer, Hair Tonic, Hair Pomade, Scalp Preparation Pomade, Preparation for Giving Luster to the Hair, Deodorant, Hand Lotion, Shaving Lotion, Sunburn Remedies, Perfumery Extract, Toilet Water, Eau de Cologne, Eau de Quinine, Brilliantine Liquid, Brilliantine Crystal, After-Golf Rub Preparation, Relieve-Fatigue Rub Preparation, Bath Salt, Bath Relieve-Fatigue Preparation, Rouge, Eye Blue, Eyebrow Pencil, Nail Polish, Nail Paste, Nail Powders, Talcum Powder, Liquid Skin Bleaches.

Claims use since Mar. 1, 1924.

Ser. No. 200,025. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALGREEN CO., Chicago, Ill. Filed July 14, 1924.



No claim is made to the words "Sure Death Bug Pizen" apart from the mark shown in the drawing. The lining of drawing indicates the color red.

Particular description of goods.—Chemical Preparations, and More Particularly Preparations to be Used for Killing Bugs, Insects, and the Like.

Claims use since on or about Feb. 16, 1909.

Ser. No. 200,179. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BOWEN "SEAL FAST" CORPORATION, Indianapolis, Ind. Filed July 18, 1924.



Particular description of goods.—Automobile Polish.
Claims use since September, 1923.

Ser. No. 200,279. (CLASS 12. CONSTRUCTION MATERIALS.) ERNEST A. RASMUSSEN, Los Angeles, Calif. Filed July 19, 1924.



Particular description of goods.—Floor, Wall, and Mantel Tiles and Building Blocks.
Claims use since February, 1920.

Ser. No. 200,408. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHERER-GILLET COMPANY, Chicago, Ill. Filed July 23, 1924.



The use of the word "Flavor" except as in association with the mark herein shown is disclaimed.
Particular description of goods.—Flavoring Extracts for Foods.

Claims use since Apr. 1, 1924.

Ser. No. 200,438. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE FIRE CREEK COAL COMPANY, INC., New York, N. Y. Filed July 24, 1924.



Particular description of goods.—Coal Packed in Containers.

Claims use since Sept. 28, 1922.

Ser. No. 200,492. (CLASS 39. CLOTHING.) GREATER MANHATTAN KNITTING MILLS, INC., New York, N. Y. Filed July 25, 1924.

The BOBBED COAT

No claim is made to the word "Coat" apart from the mark shown in the drawing.

Particular description of goods.—Ladies' Sweater Coats.

Claims use since June 1, 1924.

Ser. No. 200,552. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GIANT PAINT PRODUCTS CO., Los Angeles, Calif. Filed July 26, 1924.



Particular description of goods.—Ready-Mixed Paints, Paint Enamels, Varnishes, Dry Colors, and White Lead.
Claims use since June 10, 1924.

Ser. No. 200,562. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KRESS HOUSE MOVING COMPANY, INC., Los Angeles, Calif. Filed July 26, 1924.



If we had room to work
we could move the world

The geographical term "Los Angeles" is disclaimed apart from the mark as shown by the drawing.

Particular description of goods.—Door Butts.

Claims use since March, 1912.

Ser. No. 200,564. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y. Filed July 26, 1924.

GRANITE

Particular description of goods.—Threads and Yarns—viz, Welt Thread and Lock-Stitch Thread.
Claims use since Nov. 21, 1897.

Ser. No. 200,565. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y. Filed July 26, 1924.

SHAMROCK

Particular description of goods.—Linen Thread and Shoe Thread.
Claims use since November, 1896.

Ser. No. 200,566. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y. Filed July 26, 1924.

SHURLOX

Particular description of goods.—Threads and Yarns—viz, Shuttle Thread.
Claims use since April, 1924.

Ser. No. 200,578. (CLASS 39. CLOTHING.) PERFECT DROP SEAT GARMENT COMPANY, Poteau, Okla. Filed July 26, 1924.

P.D.S. O-V SUIT

No claim is made for the word "Suit" apart from the mark shown.

Particular description of goods.—Knitted and Textile Fabric Underwear, Rompers, Play Suits, Oversuits for Men and Boys, Oversuits for Use as Touring Garments for Women.

Claims use since Nov. 1, 1923.

Ser. No. 200,619. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM H. HILL, St. Louis, Mo. Filed July 28, 1924.

CYCLONE

Particular description of goods.—Paint Remover. Claims use since about June 11, 1924.

Ser. No. 200,620. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN HERZOG & SON, Forest, Ohio. Filed July 28, 1924.



No claim is made for the words "Smooth" and "Spread" apart from the mark shown by the drawing. Particular description of goods.—Hydrated Finish, Hydrated Masons Lump and Pulverized Lime. Claims use since July 1, 1924.

Ser. No. 200,632. (CLASS 15. OILS AND GREASES.) THE MOULTON OIL & REFINING CO., Minneapolis, Minn. Filed July 28, 1924.

WHITE HOUSE GASOLINE

No claim is made to the word "Gasoline" except in combination with the trade-mark as shown.

Particular description of goods.—Gasoline. Claims use since Mar. 30, 1923.

Ser. No. 200,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RENOUE RUSSELL, Keene, N. H. Filed July 28, 1924.



Particular description of goods.—Raw, Preserved, and Sterilized Chocolate-Containing Milk and Cream Preparations in a Liquid Form.

Claims use since July 1, 1924.

Ser. No. 200,708. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES COOK BIRD, doing business as Robert A. Bird & Company, Glasgow, Scotland. Filed July 30, 1924.

R A B

Particular description of goods.—Lithopone. Claims use since 1894.

Ser. No. 200,712. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CONVERSE CORPORATION, New York, N. Y. Filed July 30, 1924.

FASHEEN

Particular description of goods.—Cotton Print Cloth in the Piece.

Claims use since about Feb. 15, 1924.

Ser. No. 200,736. (CLASS 39. CLOTHING.) WETZEL, INC., New York, N. Y. Filed July 30, 1924.



Wetzel

EST. 1874. INC. 1910.

Particular description of goods.—Coats, Overcoats, Raincoats, Waistcoats, Trousers, Uniforms, Breeches, Caps, and Suspenders for Men; Hosiery, Leather Gloves, Sweaters, Kalckers, Caps, Leggings, Scarfs, and Cravats for Men and Women; and Sport Garments—Namely, Skirts, Coats, Overcoats, Dresses, Breeches, and Waistcoats for Women.

Claims use since October, 1895.

Ser. No. 200,741. (CLASS 39. CLOTHING.) ABE N. ADELSON, New York, N. Y. Filed July 31, 1924.

Lucienne

Particular description of goods.—Hats for Women. Claims use since June 27, 1924.

Ser. No. 200,808. (CLASS 38. PRINTS AND PUBLICATIONS.) THE COLLEGIATE WORLD PUBLISHING COMPANY, Chicago, Ill. Filed Aug. 1, 1924.

CAMPUS COMEDY

Particular description of goods.—Monthly Magazine. Claims use since July 31, 1924.

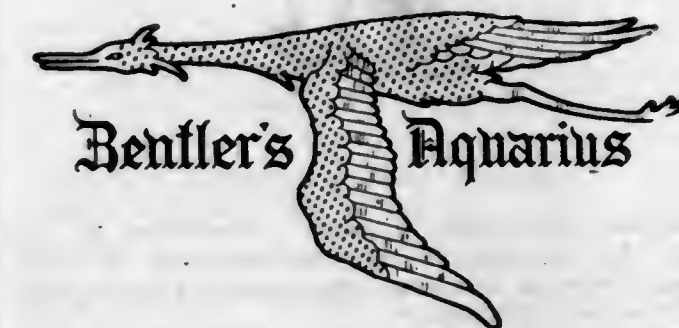
Ser. No. 200,820. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KUMMER, UPMANN & CO., New York, N. Y. Filed Aug. 1, 1924.

La MODA



Particular description of goods.—Cotton Piece Goods. Claims use since March, 1924.

Ser. No. 200,838. (CLASS 39. CLOTHING.) ZENTLER, INC., New York, N. Y. Filed Aug. 1, 1924.



Particular description of goods.—Men's and Women's Outer Apparel—Namely, Topcoats, Sport Coats, Automobile Coats, Overcoats, Raincoats, Mackinaws, and Capes. Claims use since about July 15, 1924.

Ser. No. 200,878. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FISHER BROS. PAPER COMPANY, Fort Wayne, Ind. Filed Aug. 2, 1924.



No claim being made to the word "Brand" except with the balance of the mark.

Particular description of goods.—Whisk, Window, and Floor Brooms, Brushes, Dusters, Mops, and Mop Heads. Claims use since July 30, 1924.

Ser. No. 200,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Mrs. CHARLES NOPPER, doing business as Lovina Chemical Co., Toledo, Ohio. Filed Aug. 2, 1924.

AZTEC



Particular description of goods.—Preparation for External and Internal Use in the Treatment of Colic, Cramps, Diarrhea, Headache, Rheumatism, Catarrh, Earache, Coughs, and Colds.

Claims use since 1900.

Ser. No. 200,904. (CLASS 15. OILS AND GREASES.) SINCLAIR REFINING COMPANY, Chicago, Ill. Filed Aug. 2, 1924.

GASCON

Particular description of goods.—Lubricating Oils.

Claims use since June 23, 1920.

Ser. No. 200,909. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed Aug. 2, 1924.

TEE-OFF

The lining on the trade-mark as shown by the drawing is for the purpose of indicating shading.

Particular description of goods.—Woolen Piece Goods.

Claims use since June 30, 1924.

Ser. No. 200,949. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES C. LANPHEER, doing business as Northwest Rug Company, Portland, Ore. Filed Aug. 4, 1924.



Applicant disclaims exclusive appropriation of the rug apart from the rug shown on the drawing.

Particular description of goods.—Textile Rugs.

Claims use since Nov. 1, 1919.

Ser. No. 200,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSE CITY FLOUR MILLS, Portland, Ore. Filed Aug. 4, 1924.

SAIL BOAT

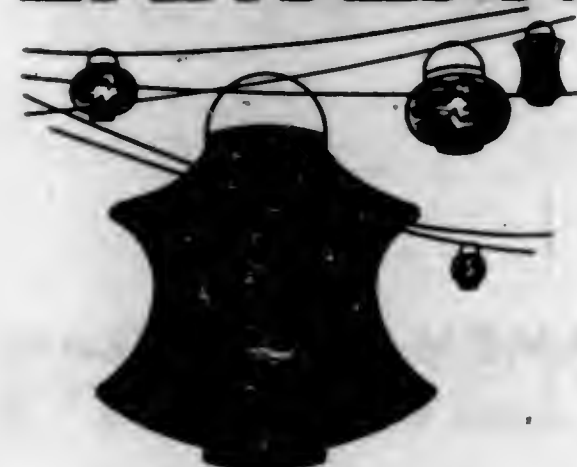


Particular description of goods.—Sacked Flour.

Claims use since Jan. 9, 1923.

Ser. No. 200,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSE CITY FLOUR MILLS, Portland, Ore. Filed Aug. 4, 1924.

LANTERN



Particular description of goods.—Sacked Wheat Flour.

Claims use since Aug. 8, 1923.

Ser. No. 200,971. (CLASS 32. FURNITURE AND UP-HOLSTERY.) EDW. W. UHRI, doing business as The Homestead Corporation, St. Louis, Mo. Filed Aug. 4, 1924.



The word "Weatherproof" and the illustration of a chair apart from the mark shown is disclaimed, applicant reserving his common-law rights, however.

Particular description of goods.—Rockers, Chairs, Settees, and Tables of Wood for Use in and out of Doors in Homes, Hotels, Clubhouses, and on Boats and Ships.

Claims use since July 10, 1924.

Ser. No. 200,989. (CLASS 39. CLOTHING.) HIP HOLD CORSET CORPORATION, New York, N. Y. Filed Aug. 5, 1924.

HIP HOLD

Particular description of goods.—Corsets, Girdles, and Health Belts.

Claims use since Apr. 26, 1923.

Ser. No. 200,997. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANG KNITTING MILLS, INC., New York, N. Y. Filed Aug. 5, 1924.



The lining shown in the drawing is merely for shading and does not indicate any particular color.

Particular description of goods.—Knitted Silk Fabrics of Silk and Artificial Silk.

Claims use since July 25, 1924.

Ser. No. 201,010. (CLASS 15. OILS AND GREASES.) PAULEY OIL COMPANY, Los Angeles, Calif. Filed Aug. 5, 1924.

EUREKA

Particular description of goods.—Gasoline.

Claims use since Sept. 1, 1922.

Ser. No. 201,023. (CLASS 33. GLASSWARE.) CORNING GLASS WORKS, Corning, N. Y. Filed Aug. 6, 1924.

AURENE

Particular description of goods.—Articles Made of Glass—Namely, Vases, Bowls, Compotes, Jugs, Dishes, and Art Glass.

Claims use since June 20, 1904.

Ser. No. 201,050. (CLASS 15. OILS AND GREASES.) SINCLAIR REFINING COMPANY, New York, N. Y. Filed Aug. 6, 1924.

SUPER-CHARGER

Particular description of goods.—Gasoline.

Claims use since July 16, 1924.

Ser. No. 201,060. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE THOMSON WOOD FINISHING Co., Philadelphia, Pa. Filed Aug. 6, 1924.



No claim is made herein to the words 'Made of the Best to Stand the Test' alone or apart from the mark as shown in the drawing. The picture of the painter is fanciful and is not a portrait.

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Paint Enamels, Varnishes, and Stains.

Claims use since May 1, 1924.

Ser. No. 201,077. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE Co., Malden, Mass. Filed Aug. 7, 1924.

CABOOSE

Particular description of goods.—Rubber Shoes.
Claims use since January, 1917.

Ser. No. 201,078. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE Co., Malden, Mass. Filed Aug. 7, 1924.

Big Nine

Particular description of goods.—Shoes Made with Canvas Tops and Rubber Soles.
Claims use since September, 1917.

Ser. No. 201,092. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. C. LEO & COMPANY, doing business as Associated Products, Des Moines, Iowa. Filed Aug. 7, 1924.



The drawing is lined for the color red, although other colors may be used. Trade-mark "Pep-Tabs."

Particular description of goods.—Gas and Dyspepsia Tablets.

Claims use since May 10, 1924.

Ser. No. 201,151. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NATIONAL EGGSCOPE CORP., New York, N. Y. Filed Aug. 8, 1924.

EGG-O-SCOPE

Particular description of goods.—Egg Testers.
Claims use since June 28, 1924.

Ser. No. 201,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE ANDREW OWEN and JESSIE MAE ADAMS OWEN, Muskogee, Okla. Filed Aug. 8, 1924.



Trade-mark consists of a portrait of Jessie Mae Adams Owen, a member of the firm.

Particular description of goods.—Hair Grower.
Claims use since Jan. 5, 1920.

Ser. No. 201,160. (CLASS 15. OILS AND GREASES.) EDGAR M. SHANER, doing business as Moto-Cleans Oil Company, Lynchburg, Va. Filed Aug. 8, 1924.



Particular description of goods.—Flushing Oil.
Claims use since May, 1923.

Ser. No. 201,217. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN BESLIN CORPORATION, New York, N. Y. Filed Aug. 11, 1924.



Particular description of goods.—Medicinal Solution Containing Iodine Used for Irrigations, Wet Dressings, Installations, Etc., and Also as a Mouth Wash or Gargle.
Claims use since March, 1924.

Ser. No. 201,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AARON L. CRENSHAW, doing business as Golden Dream Beauty Laboratories Company, Dallas, Tex. Filed Aug. 11, 1924.

GOLDEN DREAM

Particular description of goods.—Complexion Clay.
Claims use since Feb. 10, 1924.

Ser. No. 201,267. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SMITH-McCORD-TOWNSEND Dry Goods Co., Kansas City, Mo. Filed Aug. 11, 1924.



No claim is made to the word "Satin" apart from the mark as shown.

Particular description of goods.—Mercerized Sateen in the Piece for Linings and Underwear.
Claims use since December, 1923.

327 O. G.—31

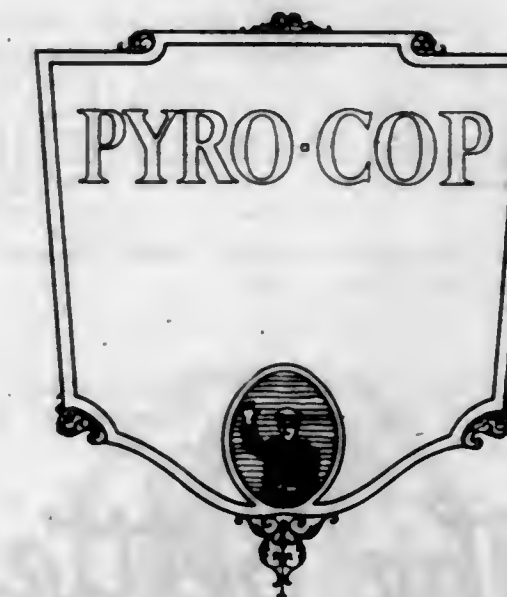
Ser. No. 201,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. L. DEBENEDETTI, San Francisco, Calif. Filed Aug. 12, 1924.

SEA-KIST

Particular description of goods.—Fresh Artichokes.
Claims use since July 23, 1924.

Ser. No. 201,309. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PYRO-COP LABORATORIES, Los Angeles, Calif. Filed Aug. 12, 1924.

RAY'S



Particular description of goods.—Liquid Antiseptic Mouth Lotion for Pyorrhea and a Medicine for Pyorrhea Conditions of the Gums.
Claims use since May 1, 1924.

Ser. No. 201,342. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRIF-HOPE COMPANY, Milwaukee, Wis. Filed Aug. 13, 1924.

"Grif-Ho"

Particular description of goods.—Dash Lights.
Claims use since July, 1923.

Ser. No. 201,354. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM F. LAWRENZ, Long Beach, Calif. Filed Aug. 13, 1924.

DENT-O-BANDS

No claim is made to the word "Band" apart from the mark shown in the drawing.

Particular description of goods.—Teeth-Cleaning Band or Strip.
Claims use since July 20, 1924.

Ser. No. 201,355. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM F. LAWRENZ, Long Beach, Calif. Filed Aug. 13, 1924.

DENT-O-PICK

No claim is made to the word "Pick" apart from the mark shown in the drawing.

Particular description of goods.—Device for Holding a Tooth-Cleaning Strip or Band.

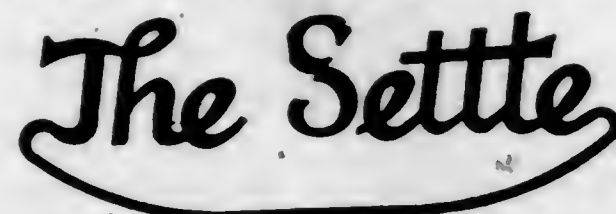
Claims use since July 20, 1924.

Ser. No. 201,376. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES W. POULSON, New York, N. Y. Filed Aug. 13, 1924.



Particular description of goods.—Wool Carpets.
Claims use since Jan. 2, 1922.

Ser. No. 201,415. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WITCHER S. SETTLE, New York, N. Y. Filed Aug. 14, 1924.



Particular description of goods.—Garment Hangers.
Claims use since Mar. 18, 1924.

Ser. No. 201,458. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LESHNER, WHITMAN & CO., INC., New York, N. Y. Filed Aug. 15, 1924.

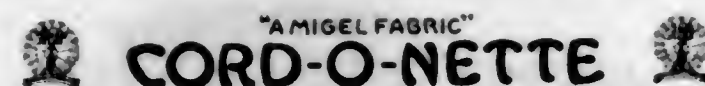


No claim is made to the exclusive use of the words "Guaranteed, Sun, Water & Dust-Proof" apart from the mark shown in the drawing.

Particular description of goods.—Draperies, Valances, Curtains, Window Shades, Bedspreads Being Made of Fabric Having a Warp of Cotton or of Cotton and Silk Mixed or of Cotton and Artificial Silk Mixed, and a Filling of Wool or Mohair or Alpaca, Singly or Combined.

Claims use since July 11, 1924.

Ser. No. 201,461. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., Bergen, N. J., and New York, N. Y. Filed Aug. 15, 1924.



Exclusive use of the words "Silks," "Fabric," "Originality," and "Quality" is disclaimed apart from the mark shown.

Particular description of goods.—Silk and Wool Piece Goods.

Claims use since July 7, 1924.

Ser. No. 201,478. (CLASS 39. CLOTHING.) ZENTLERS, INC., New York, N. Y. Filed Aug. 15, 1924.



Particular description of goods.—Men's and Women's Outer Apparel—Namely, Topcoats, Sport Coats, Automobile Coats, Overcoats, Raincoats, Mackinaws, and Capes.

Claims use since about July 15, 1924.

Ser. No. 201,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORAL E. BATES, doing business as Tokalon, New York, N. Y. Filed Aug. 16, 1924.



Particular description of goods.—Complexion Powders.
Claims use since about Dec. 15, 1923.

Ser. No. 201,486. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. BRANDES, INC., New York, N. Y. Filed Aug. 16, 1924.

Brandola

Particular description of goods.—Radio Receiving Sets, Telephone Head Sets, Loud-Speaker Electromagnetic Sound Reproducers, Radiofrequency Shielded Cords for Telephone Head Sets, and Audiofrequency Amplifiers for Radio Broadcast Reception.

Claims use since Aug. 14, 1924.

Ser. No. 201,517. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEHLI SILKS CORPORATION, New York, N. Y. Filed Aug. 16, 1924.



Particular description of goods.—Silk Piece Goods.
Claims use since Feb. 15, 1923.

Ser. No. 201,540. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CINCH MANUFACTURING CO., INC., Sidney, N. Y. Filed Aug. 18, 1924.



Particular description of goods.—Cleaning Composition in the Form of Granular Substance to be Dissolved in Water.

Claims use since Mar. 1, 1924.

Ser. No. 201,542. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CAROLINA RETAILER PUBLISHING COMPANY, Winston-Salem, N. C. Filed Aug. 18, 1924.



The words "The Official Journal of the North Carolina Merchants' Association Published at 'Winston-Salem'" appearing in the mark are disclaimed apart from the mark as shown.

Particular description of goods.—Monthly Periodical.
Claims use since Oct. 15, 1923.

Ser. No. 201,544. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. S. COLES, doing business as The Omar Health Products Co., Berkeley, Calif. Filed Aug. 18, 1924.



Particular description of goods.—Bread.
Claims use since Feb. 15, 1923.

Ser. No. 201,546. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENTAL PRODUCTS LABORATORIES, INC., Los Angeles, Calif. Filed Aug. 18, 1924.



Particular description of goods.—Pyorrhea Treatment, Tooth Paste, Tooth Powder, Mouth Wash, Dental Anesthetic, Toothache Remedy, and Postoperative Antiseptic.
Claims use since January, 1924.

Ser. No. 201,551. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT M. GIBSON, Des Moines, Iowa. Filed Aug. 18, 1924.



Particular description of goods.—Skin Lotions.
Claims use since about January, 1912.

Ser. No. 201,562. (CLASS 39. CLOTHING.) JACOBS BROTHERS, Baltimore, Md. Filed Aug. 18, 1924.

Bob Evans
THE ARISTOCRAT OF
UNIFORMS

No claim is made to the exclusive right to the word "Uniforms" apart from the mark as shown.
Particular description of goods.—Dresses and Nurses' and Maids' Uniforms.
Claims use since 1919.

Ser. No. 201,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH, CHEMIST, INC., New York, N. Y. Filed Aug. 18, 1924.



Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Rouges, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since Feb. 2, 1912.

Ser. No. 201,582. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED. W. RILEY, Los Angeles, Calif. Filed Aug. 18, 1924.

ELIMITOX

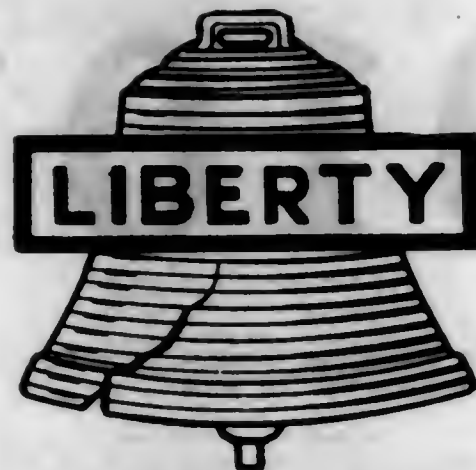
Particular description of goods.—Dietetic Products—Namely, Internal Cleansing Compound, Massage Cream, and Laxative.
Claims use since May 20, 1924.

Ser. No. 201,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. ROERSMA, doing business as Big 4 Hand Lotion Company, Oklahoma City, Okla. Filed Aug. 18, 1924.

**BIG
4**

Particular description of goods.—Hand Lotion.
Claims use since October, 1908.

Ser. No. 201,614. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LIBERTY BELL MANUFACTURING CO., Minerva, Ohio. Filed Aug. 19, 1924.



Particular description of goods.—Electric Bells.
Claims use since June 15, 1924.

Ser. No. 201,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. G. LONGORIA, Seville, Spain. Filed Aug. 19, 1924.



Without waiving any rights at common law or under other statutes applicant disclaims any attempt to cover in this registration the words "Marca Registrada Aceite Fino Puro de Oliva Sevilla (España)" except in the precise relation and association in which these appear in the mark presented.

Particular description of goods.—Olive Oil.
Claims use since 1902.

Ser. No. 201,654. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDREW JACKSON DICKERSON, doing business as Square Deal Electric Company, Akron, Ohio. Filed Aug. 20, 1924.

SQUARE DEAL

Particular description of goods.—Electrical Storage Batteries and Parts.
Claims use since Feb. 1, 1922.

Ser. No. 201,667. (CLASS 33. GLASSWARE.) LIBERTY GLASS COMPANY, Sapulpa, Okla. Filed Aug. 20, 1924.

L. G.

Particular description of goods.—Glass Milk Bottles and Glass Cottage-Cheese Containers.
Claims use since September, 1918.

Ser. No. 201,688. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY E. ALLEN, New York, N. Y. Filed Aug. 21, 1924.

SODASAN

Particular description of goods.—Medicinal Preparation in Powder Form for the Relief of Stomach Disorders and Other Digestive Disturbances.
Claims use since June 2, 1924.

Ser. No. 201,697. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHN T. CRANE, Los Angeles, Calif. Filed Aug. 21, 1924.



Particular description of goods.—Brake Linings.
Claims use since Feb. 1, 1924.

Ser. No. 201,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Aug. 21, 1924.

**VIOLETTE
DE
PARIS**

Particular description of goods.—Perfumes and Toilet Creams.
Claims use since 1910.

Ser. No. 201,732. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Aug. 21, 1924.

FLEUR D'OR

Particular description of goods.—Perfumes and Toilet Creams.
Claims use since 1910.

Ser. No. 201,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Aug. 21, 1924.

Orée

Particular description of goods.—Perfumes and Toilet Creams.
Claims use since 1910.

Ser. No. 201,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Aug. 21, 1924.

YUYU

Particular description of goods.—Perfumes and Toilet Creams.
Claims use since 1910.

Ser. No. 201,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEY FLOUR MILLS, Macon, Ga. Filed Aug. 22, 1924.

**OLD
—
MILL**

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since 1915.

Ser. No. 201,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM MACK, doing business as Wheatoast Company, New York, N. Y. Filed Aug. 22, 1924.

WHEATOAST

Trade-mark consists of the word "Wheatoast."
Particular description of goods.—Cereal Food.
Claims use since Aug. 13, 1924.

Ser. No. 201,769. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN F. MEYER, doing business as The Exhibit Supply Company, Chicago, Ill. Filed Aug. 22, 1924.

DUOSCOPE

Particular description of goods.—Coin-Operated Moving-Picture-Viewing Machines.
Claims use since Nov. 1, 1921.

Ser. No. 201,819. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PINE-O-SAL CHEMICAL COMPANY, Bayonne, N. J. Filed Aug. 23, 1924.



Particular description of goods.—Bath Salts.
Claims use since May 1, 1924.

Ser. No. 201,823. (CLASS 7. CORDAGE.) TRIBBLE CORDAGE MILLS, INC., Boston, Mass. Filed Aug. 23, 1924.

KING BEE

Particular description of goods.—Clotheslines.
Claims use since on or about Jan. 20, 1923.

Ser. No. 201,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN MILTON CAIN, Sedalia, Mo. Filed Aug. 25, 1924.

ITCH NO MORE

Particular description of goods.—Preparation for External Application in the Treatment of Eczema.
Claims use since Aug. 16, 1924.

Ser. No. 201,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STACY B. GANOW, Caldwell, N. J. Filed Aug. 25, 1924.

Z Y L

Trade-mark consists of the symbol "Z Y L."
Particular description of goods.—Lubricating Ointment.
Claims use since July 31, 1924.

Ser. No. 201,840. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GLADD MANUFACTURING COMPANY, Chicago, Ill. Filed Aug. 25, 1924.

GYPSY

Particular description of goods.—Automobile Lamps.
Claims use since Sept. 11, 1923.

Ser. No. 201,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED W. GUSHURST, doing business as Lorraine Company, Denver, Colo. Filed Aug. 25, 1924.

FLEUR DE LORRAINE

Trade-mark "Fleur de Lorraine."
Particular description of goods.—Toilet Preparations Consisting of Face Powders, Face Creams, Toilet Waters, and Perfumes.
Claims use since 1915.

Ser. No. 201,848. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. P. INGALLS LABORATORIES, Providence, R. I. Filed Aug. 25, 1924.

VERITOX

Particular description of goods.—Preparations Suitable for the Treatment of Pyorrhea.
Claims use since March, 1923.

Ser. No. 201,852. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAFZIGER BAKING COMPANY, Kansas City, Mo. Filed Aug. 25, 1924.

GOLDEN

Particular description of goods.—Bread.
Claims use since about Jan. 10, 1923.

Ser. No. 201,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PHENOLINE COMPANY, St. Louis, Mo. Filed Aug. 25, 1924.

Phenoline

Particular description of goods.—Preparation for Affections of the Eye.
Claims use since about May 1, 1924.

Ser. No. 201,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPENCER KELLOGG & SONS, INC., Buffalo, N. Y. Filed Aug. 25, 1924.

DIAMOND



Particular description of goods.—Castor Oil.
Claims use since June 1, 1924.

Ser. No. 201,915. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN RAPIDASE COMPANY, INC., New York, N. Y. Filed Aug. 27, 1924.

ARCY

Particular description of goods.—Diastatic Preparation Used for Sizing, Desizing, and Degumming of Fabrics and for the Production of Sizings and Soluble Starches.
Claims use since July 25, 1924.

Ser. No. 201,927. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FILMOFF COMPANY OF AMERICA, INC., New York, N. Y. Filed Aug. 27, 1924.

KURL-A-BOB

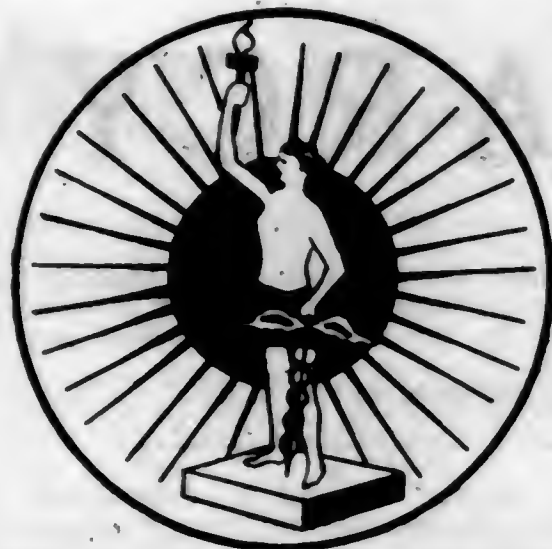
Particular description of goods.—Chemical Preparation Used for Curling and Waving the Hair.
Claims use since Aug. 1, 1924.

Ser. No. 201,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAGDALEN M. SPRENGER, doing business as Marleo Chemical Co., New Ulm, Minn. Filed Aug. 27, 1924.



Particular description of goods.—Ointment for Skin Infections, Wounds, Etc.
Claims use since July 17, 1924.

Ser. No. 201,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN PHARMACAL COMPANY, Elkhart, Ind. Filed Aug. 28, 1924.



Particular description of goods.—Laxative Medicine.
Claims use since July 15, 1924.

Ser. No. 201,971. (CLASS 12. CONSTRUCTION MATERIALS.) FRANKLIN R. MULLER, INC., Waukegan, Ill. Filed Aug. 28, 1924.

ASBESTONE

Particular description of goods.—Stucco, Composition Flooring, Magnesia Flooring, Interior Magnesia, Interior Plaster of All Kinds, Exterior Plaster of All Kinds, Composition Shingles, Tile and Composition Roofing.
Claims use since 1906.

Ser. No. 202,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CLINICAL LABORATORIES COMPANY, Cleveland, Ohio. Filed Aug. 29, 1924.

TARKON

Particular description of goods.—Antiseptic Preparations.
Claims use since Mar. 17, 1924.

Ser. No. 202,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY R. CORSO, doing business as The Treymontes Mfg. Co., Brooklyn, N. Y. Filed Aug. 30, 1924.

Treymontes

Particular description of goods.—Hair Tonics.
Claims use since July 1, 1924.

Ser. No. 202,055. (CLASS 38. PRINTS AND PUBLICATIONS.) THE EXCLUSIVE COMPANY, Philadelphia, Pa. Filed Aug. 30, 1924.



Particular description of goods.—Greeting Cards for All Popular Occasions, Such as Christmas, New Year, Easter, Valentine, Birthday, Anniversary, Birth Announcement, Congratulation, Sympathy, Mother, Sweetheart, Graduation, Friendship, Convalescent, Gift, Thank You, Engagement, Invitation, Letter Reminder, Bon Voyage, Removal, Shower, and Miscellaneous.
Claims use since May 22, 1920.

Ser. No. 202,067. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. KLIPSTEIN & COMPANY, New York, N. Y. Filed Aug. 30, 1924.

A.K.C.
C.P.
P

Particular description of goods.—Caustic Potash.
Claims use since about 1894.

Ser. No. 202,068. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARYLAND BAKING COMPANY, Baltimore, Md. Filed Aug. 30, 1924.

TORCH
CUP

Particular description of goods.—Ice-Cream Cones.
Claims use since Aug. 15, 1922.

Ser. No. 202,074. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL DRUG AND CHEMICAL COMPANY OF CANADA, LIMITED, Montreal, Quebec, Canada. Filed Aug. 30, 1924.

DOLORANT

Particular description of goods.—Antipyretic and Antirheumatic Tablets.
Claims use since July, 1914.

Ser. No. 202,080. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RICE & HOCHSTER, New York, N. Y. Filed Aug. 30, 1924.

Reflectone

Particular description of goods.—Loud Speakers for Radio Apparatus.
Claims use since June 15, 1924.

Ser. No. 202,099. (CLASS 30. CROCKERY, EARTHENWARE AND PORCELAIN.) CONTINENTAL CERAMICS CORPORATION, New York, N. Y. Filed Sept. 2, 1924.



Particular description of goods.—Porcelain and China Ware of All Kinds.
Claims use since 1908.

Ser. No. 202,100. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL GAVZA, New York, N. Y. Filed Sept. 2, 1924.

FIGMOVEASE

Particular description of goods.—Laxative and Liver Regulator.
Claims use since Aug. 28, 1924.

Ser. No. 202,122. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Sept. 2, 1924.

Country Club

Particular description of goods.—Salt.
Claims use since Oct. 1, 1923.

Ser. No. 202,123. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Sept. 2, 1924.

Country Club

Particular description of goods.—Gas Mantles.
Claims use since June 1, 1923.

Ser. No. 202,130. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAGNAVOX CO., Oakland, Calif. Filed Sept. 2, 1924.

MAGNALUX

Particular description of goods.—Electric Lamps.
Claims use since May 26, 1923.

Ser. No. 202,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT J. BAIR, Weehawken, N. J. Filed Sept. 3, 1924.

POUSNA

Particular description of goods.—Remedy for Head Lice and Other Vermin.
Claims use since Aug. 15, 1924.

Ser. No. 202,213. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. McDONALD CHOCOLATE COMPANY, Salt Lake City, Utah. Filed Sept. 4, 1924.

Drowsy Scotch

Particular description of goods.—Candy.
Claims use since July 1, 1924.

Ser. No. 202,264. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RICHARDSON RADIO INC., New York, N. Y. Filed Sept. 5, 1924.



Particular description of goods.—Radio Receiving and Transmitting Sets and Parts Thereof.
Claims use since June 21, 1924.

Ser. No. 202,273. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE AUTOMOTIVE SPECIALTY CORPORATION, New York, N. Y. Filed Sept. 6, 1924.



Particular description of goods.—Automobiles and Parts Thereof, Not Including Engines.
Claims use since Apr. 9, 1918.

Ser. No. 202,305. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PROVIDENCE DISTRIBUTING COMPANY, INC., Providence, R. I. Filed Sept. 6, 1924.



Particular description of goods.—Radiotubes.
Claims use since June 25, 1924.

Ser. No. 202,315. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Sept. 8, 1924. Under ten-year proviso.

TUTTI-FRUTTI

Particular description of goods.—Chewing Gum.
Claims use since October, 1882.

Ser. No. 202,440. (CLASS 38. PRINTS AND PUBLICATIONS.) CONSTRUCTIVE PUBLISHING CORPORATION, New York, N. Y. Filed Sept. 10, 1924.

Radio Stories

Particular description of goods.—Monthly Magazine.
Claims use since Aug. 26, 1924.

Ser. No. 202,481. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANZOLINE PRODUCTS COMPANY, St. Louis, Mo. Filed Sept. 11, 1924.

ANZOLINE

Particular description of goods.—Chemical Motor-Fuel Ingredient to be Mixed with Gasoline Intended to Increase the Power and Mileage and Prevent the Forming of Carbon.

Claims use since Aug. 18, 1924.

Ser. No. 202,576. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANSUR M. NASSAR, Cincinnati, Ohio. Filed Sept. 11, 1924.



Particular description of goods.—Ointment for Piles.
Claims use since Aug. 15, 1924.

Ser. No. 202,577. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANSUR M. NASSAR, Cincinnati, Ohio. Filed Sept. 11, 1924.



Particular description of goods.—Ointment for Eczema.
Claims use since Aug. 15, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 21, 1924.

- 190,644. GOLD-PLATED COLLAR BUTTONS. S. B. LAVICK Co., Chicago, Ill.
Filed April 17, 1924. Serial No. 195,698. PUBLISHED AUGUST 5, 1924.
- 190,645. GOLD-PLATED COLLAR BUTTONS. S. B. LAVICK Co., Chicago, Ill.
Filed April 17, 1924. Serial No. 195,697. PUBLISHED AUGUST 5, 1924.
- 190,646. RADIO RECEIVING SETS AND PARTS THEREOF. HARRIS AND BIRDSEYE, INC., New York, N. Y.
Filed April 17, 1924. Serial No. 195,685. PUBLISHED AUGUST 5, 1924.
- 190,647. JEWELRY, PARTICULARLY RINGS, BROOCHES, PINS, AND SETTINGS. JOSEPH W. WEEKS, New York, N. Y.
Filed April 16, 1924. Serial No. 195,666. PUBLISHED AUGUST 5, 1924.
- 190,648. COMPLETE RADIO RECEIVING SETS AND PARTS THEREOF. CLARENCE LININGER, doing business as Lininger Radio Co., East Cleveland, Ohio.
Filed April 15, 1924. Serial No. 195,583. PUBLISHED AUGUST 5, 1924.
- 190,649. SCIENTIFIC JOURNAL PUBLISHED OCCASIONALLY. FRANCIS A. CAVE, Boston, Mass.
Filed June 6, 1924. Serial No. 198,173. PUBLISHED AUGUST 5, 1924.
- 190,650. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 5, 1924. Serial No. 198,142. PUBLISHED AUGUST 5, 1924.
- 190,651. NEWSPAPER CARTOON. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 5, 1924. Serial No. 198,141. PUBLISHED AUGUST 5, 1924.
- 190,652. CAMP FURNITURE CONSISTING OF FOLDING CANVAS COTS, FOLDING STOOLS, BOTH WITH AND WITHOUT BACKS, FOLDING AND SLAT CHAIRS, AND FOLDING TABLES. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex.
Filed June 5, 1924. Serial No. 198,121. PUBLISHED AUGUST 5, 1924.
- 190,653. PERIODICAL PUBLICATION PUBLISHED MONTHLY. MABEL E. CHASE, Los Angeles, Calif.
Filed June 5, 1924. Serial No. 198,113. PUBLISHED AUGUST 5, 1924.
- 190,654. PUSH-BUTTON SWITCHES FOR AUTOMOBILES. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed June 5, 1924. Serial No. 198,109. PUBLISHED AUGUST 5, 1924.
- 190,655. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,072. PUBLISHED AUGUST 5, 1924.
- 190,656. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,920. PUBLISHED AUGUST 5, 1924.
- 190,657. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,915. PUBLISHED AUGUST 5, 1924.
- 190,658. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,913. PUBLISHED AUGUST 5, 1924.
- 190,659. FRESH SPINACH, CARROTS, BEETS, LETTUCE, PEPPERS, AND LIKE VEGETABLES (AND WOODEN HAMPERS FOR USE IN SHIPPING SAME). RAY B. WHITE, doing business as The R. B. White Co., Big Wells, Tex.
Filed April 5, 1924. Serial No. 195,086. PUBLISHED JULY 22, 1924.
- 190,660. VARIOMETERS, VARIOCOUPERS, AND TUNING UNITS FOR RADIO RECEIVING SETS. G. H. FISCHER & Co., Glendale, N. Y.
Filed March 27, 1924. Serial No. 194,532. PUBLISHED AUGUST 5, 1924.
- 190,661. RADIO RECEIVING SETS. UNITED MANUFACTURING & DISTRIBUTING COMPANY, Chicago, Ill.
Filed April 2, 1924. Serial No. 194,891. PUBLISHED AUGUST 5, 1924.
- 190,662. CERTAIN NAMED ELECTRICAL APPARATUS AND SUPPLIES. MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y.
Filed March 15, 1924. Serial No. 193,842. PUBLISHED AUGUST 5, 1924.
- 190,663. MONTHLY MAGAZINES. THE BARTON SALT COMPANY, Hutchinson, Kans.
Filed March 17, 1924. Serial No. 193,890. PUBLISHED AUGUST 5, 1924.
- 190,664. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,071. PUBLISHED AUGUST 5, 1924.
- 190,665. NEWSPAPER CARTOON. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,070. PUBLISHED AUGUST 5, 1924.
- 190,666. NEWSPAPER SECTION. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,068. PUBLISHED AUGUST 5, 1924.
- 190,667. LIGHTING FIXTURES—VIZ, CEILING FIXTURES, PENDENT FIXTURES, CANDLE FIXTURES, WALL BRACKETS, AND ON TABLE LAMPS AND TORCHERES. SEATTLE LIGHTING FIXTURE CO., Seattle, Wash.
Filed May 27, 1924. Serial No. 197,688. PUBLISHED AUGUST 5, 1924.
- 190,668. INSULATED ELECTRICAL WIRE AND CABLE. ROME WIRE COMPANY, Rome, N. Y.
Filed May 22, 1924. Serial No. 197,452. PUBLISHED AUGUST 5, 1924.
- 190,669. PRINTING INK. WARNER, INC., Chicago, Ill.
Filed May 19, 1924. Serial No. 197,309. PUBLISHED AUGUST 5, 1924.
- 190,670. HEADING FOR A NEWSPAPER COLUMN. EDGAR ALLAN MOSS, Marion, Ind.
Filed April 26, 1924. Serial No. 196,180. PUBLISHED JULY 8, 1924.

- 190,671. HEADING FOR A HUMOR COLUMN SYNDICATED TO WEEKLY AND DAILY NEWSPAPERS, TRADE JOURNALS, HOUSE ORGANS, MAGAZINES, AND OTHER PERIODICALS THROUGHOUT AMERICA, PUBLISHED IN ENGLISH, AS WELL AS FOREIGN-LANGUAGE PUBLICATIONS. EDGAR ALLAN MOSS, Marion, Ind. Filed April 26, 1924. Serial No. 196,179. PUBLISHED JULY 8, 1924.
- 190,672. TOMATO PASTE. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Filed April 26, 1924. Serial No. 196,159. PUBLISHED AUGUST 5, 1924.
- 190,673. CERTAIN TOILET PREPARATIONS. C. H. OHRMIE-WERDLICH, Zeltz, Germany. Filed February 7, 1924. Serial No. 191,971. PUBLISHED AUGUST 5, 1924.
- 190,674. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. THE IRVING DREW COMPANY, Portsmouth, Ohio. Filed April 24, 1922. Serial No. 162,818. PUBLISHED JUNE 24, 1924.
- 190,675. ELECTRICALLY-OPERATED FLOOR SCRUBBING, POLISHING, SCRAPING, AND GRINDING MACHINES. PONSSELL FLOOR MACHINE COMPANY, New York, N. Y. Filed June 11, 1924. Serial No. 198,419. PUBLISHED AUGUST 5, 1924.
- 190,676. ELECTRICAL COOKERS. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed November 19, 1923. Serial No. 188,516. PUBLISHED AUGUST 5, 1924.
- 190,677. ELECTRICAL COOKERS. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed November 19, 1923. Serial No. 188,514. PUBLISHED AUGUST 5, 1924.
- 190,678. WATCHES, WATCH MOVEMENTS, TIMING WATCHES, STOP WATCHES, WATCHCASES, AND WATCH DIALS. BERNA WATCH CO., S. A., St. Imier, Switzerland. Filed October 23, 1923. Serial No. 187,373. PUBLISHED AUGUST 5, 1924.
- 190,679. LUMBER, SASH, AND DOORS, AND COMPOSITION ASPHALTIC ROOFING PAPER, ASBESTOS SHINGLES, AND REDWOOD AND CEDAR SHINGLES. WOODHEAD LUMBER COMPANY, Los Angeles, Calif. Filed October 16, 1923. Serial No. 187,075. PUBLISHED AUGUST 5, 1924.
- 190,680. RADIO JACK PLUGS. JOHN FIRTH, New York, N. Y. Filed October 8, 1923. Serial No. 186,703. PUBLISHED AUGUST 5, 1924.
- 190,681. SILVER-PLATED HOLLOW WARE. FARRER BROTHERS, New York, N. Y. Filed May 21, 1923. Serial No. 180,924. PUBLISHED AUGUST 5, 1924.
- 190,682. ENGINES, INTERNAL-COMBUSTION MOTORS AND CERTAIN AUTOMOTIVE PARTS. SUPERIOR MOTOR PARTS COMPANY, Pittsburgh, Pa. Filed May 17, 1923. Serial No. 180,778. PUBLISHED AUGUST 5, 1924.
- 190,683. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES OR ARTIFICIAL PEARLS. B. H. JONES & SONS, Birmingham, England. Filed May 1, 1923. Serial No. 180,011. PUBLISHED AUGUST 5, 1924.
- 190,684. CLASPS FOR NECKLACES. NESSELROTH & CO., INC., New York, N. Y. Filed April 16, 1923. Serial No. 179,217. PUBLISHED AUGUST 5, 1924.
- 190,685. FELT ASPHALT. MURPHY-MCUEEN COMPANY, Chicago, Ill. Filed May 11, 1922. Serial No. 163,684. PUBLISHED AUGUST 5, 1924.
- 190,686. SHORTENING COMPOUND COMPOSED OF BEEF FAT. CENTRAL FOOD PRODUCTS COMPANY, Chicago, Ill. Filed February 21, 1922. Serial No. 159,048. PUBLISHED AUGUST 5, 1924.
- 190,687. INCANDESCENT ELECTRIC BULBS. TULITE AUTO. BULB COMPANY, New York, N. Y. Filed June 12, 1924. Serial No. 198,487. PUBLISHED AUGUST 5, 1924.
- 190,688. TITLE FOR CARTOONS IN NEWSPAPER PUBLICATIONS. PUBLIC LEDGER COMPANY, Philadelphia, Pa. Filed June 10, 1924. Serial No. 198,379. PUBLISHED AUGUST 5, 1924.
- 190,689. BOOKLETS AND PERIODICALS PUBLISHED ANNUALLY. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed June 10, 1924. Serial No. 198,357. PUBLISHED AUGUST 5, 1924.
- 190,690. PERIODICAL PUBLICATIONS. FORD, BACON & DAVIS, INC., New York, N. Y. Filed June 7, 1924. Serial No. 198,230. PUBLISHED AUGUST 5, 1924.
- 190,691. PERIODICALS PUBLISHED WEEKLY. EDWIN H. WILLIAMS, doing business as The Chicago Shopping News Assn., Chicago, Ill. Filed June 6, 1924. Serial No. 198,204. PUBLISHED AUGUST 5, 1924.
- 190,692. REPRODUCTIONS OF PICTURES, PHOTOGRAPHS, DRAWINGS, AND OTHER SUBJECTS. THOMSEN-ELLIS COMPANY, Baltimore, Md. Filed June 6, 1924. Serial No. 198,201. PUBLISHED AUGUST 5, 1924.
- 190,693. LOUD-SPEAKING TELEPHONIC APPARATUS CONSISTING OF LOUD SPEAKERS AND ADAPTERS FOR THE PURPOSE OF WIRELESS (OR RADIO) RECEPTION. EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England. Filed March 15, 1924. Serial No. 193,830. PUBLISHED AUGUST 5, 1924.
- 190,694. PRINTED LITERATURE—NAMES, CATALOGUES, BOOKLETS, CAR CARDS, INSERTS, CATALOGUE INSERTS, CIRCULARS, BROADSIDES, AND ILLUSTRATED LETTERS. MANZ ENGRAVING COMPANY, Chicago, Ill. Filed February 11, 1924. Serial No. 192,139. PUBLISHED AUGUST 5, 1924.
- 190,695. CORN SUGAR. ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed February 9, 1924. Serial No. 192,054. PUBLISHED AUGUST 5, 1924.
- 190,696. VEHICLE BODY HARDWARE. TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich. Filed February 6, 1924. Serial No. 191,925. PUBLISHED AUGUST 5, 1924.
- 190,697. RADIO PARTS—NAMES, TUBES, BATTERIES, LOUD SPEAKERS, CONDENSERS, AND RADIO RECEIVING SETS. MORRIS TAUB, doing business as Atlantic & Pacific Radio Co., New York, N. Y. Filed January 31, 1924. Serial No. 191,580. PUBLISHED AUGUST 5, 1924.
- 190,698. TALKING-MACHINE RECORDS. COMPO COMPANY, LIMITED, Lachine, Quebec, Canada. Filed January 8, 1924. Serial No. 190,534. PUBLISHED AUGUST 5, 1924.
- 190,699. FRESH CITRIOUS FRUITS. W. E. LEE & COMPANY, INC., Plant City, Fla. Filed December 19, 1923. Serial No. 189,904. PUBLISHED JULY 1, 1924.

- 190,700. LIME. CHENEY LIME COMPANY, Allgood, Ala. Filed December 1, 1923. Serial No. 189,099. PUBLISHED AUGUST 5, 1924.
- 190,701. ICE-CREAM SUCKERS. HARRY B. BURT, Youngstown, Ohio. Filed November 19, 1923. Serial No. 188,528. PUBLISHED AUGUST 5, 1924.
- 190,702. LUBRICATING OILS AND GREASES. THE FRED G. CLARK COMPANY, Cleveland, Ohio. Filed June 9, 1924. Serial No. 198,289. PUBLISHED JULY 22, 1924.
- 190,703. VARNISH. RED HAND COMPOSITIONS COMPANY INC., New York, N. Y. Filed May 23, 1924. Serial No. 197,498. PUBLISHED JULY 22, 1924.
- 190,704. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 21, 1924. Serial No. 197,400. PUBLISHED JULY 22, 1924.
- 190,705. DRY, PASTE, AND READY-MIXED PAINTS; PAINT ENAMELS, VARNISH, AND LACQUERS. REPUBLIC VARNISH COMPANY, Newark, N. J. Filed May 7, 1924. Serial No. 196,713. PUBLISHED JULY 22, 1924.
- 190,706. LUBRICATING OILS. JAMES WOODROW, doing business as James Woodrow & Company, Independence, Kans. Filed May 3, 1924. Serial No. 196,563. PUBLISHED JULY 22, 1924.
- 190,707. GASOLINE, KEROSENE, AND LUBRICATING OILS AND GREASES. THE FACTORY OIL COMPANY, Akron, Ohio. Filed May 2, 1924. Serial No. 196,450. PUBLISHED JULY 22, 1924.
- 190,708. GASOLINE, KEROSENE, AND LUBRICATING OILS AND GREASES. THE FACTORY OIL COMPANY, Akron, Ohio. Filed May 2, 1924. Serial No. 196,446. PUBLISHED JULY 22, 1924.
- 190,709. PAINT SOLVENTS, PAINT ENAMELS, AND VARNISHES. THE DEHCO ENAMELING COMPANY, Kansas City, Mo. Filed May 1, 1924. Serial No. 196,367. PUBLISHED JULY 22, 1924.
- 190,710. READY-MIXED PAINTS AND VARNISHES. BENJAMIN BUCHHEIMER, New York, N. Y. Filed April 29, 1924. Serial No. 196,290. PUBLISHED JULY 22, 1924.
- 190,711. LUBRICANTS IN OIL AND GREASE FORM. THE PENNZOIL CO. INC., Buffalo, N. Y. Filed April 25, 1924. Serial No. 196,135. PUBLISHED JULY 22, 1924.
- 190,712. GASOLINE, LUBRICATING OIL, AND CUP GREASES. ORIENTAL OIL COMPANY, Dallas, Tex. Filed April 21, 1924. Serial No. 195,902. PUBLISHED JULY 22, 1924.
- 190,713. LINSEED OIL. WILLIAM O. GOODRICH COMPANY, Milwaukee, Wis. Filed April 19, 1924. Serial No. 195,818. PUBLISHED JULY 22, 1924.
- 190,714. PAINT AND ENAMEL REMOVER WITH INCIDENTAL PROPERTIES AS A GREASE AND DUST ERADICATOR AND METAL CLEANSER. ALOKA CHEMICAL CORPORATION, Chicago, Ill. Filed April 21, 1924. Serial No. 195,853. PUBLISHED JULY 22, 1924.
- 190,715. VARNISH; DRY, PASTE, AND READY-MIXED PAINTS, AND FINISHES. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed April 14, 1924. Serial No. 195,527. PUBLISHED JULY 22, 1924.
- 190,716. DRY, PASTE, AND READY-MIXED PAINTS; VARNISHES, WALL PAINTS, STAINES, LACQUERS, JAPANS, DRIERS AND DRY COLORS, FLAT WALL FINISHES FOR INTERIOR AND EXTERIOR USE. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed April 14, 1924. Serial No. 195,513. PUBLISHED JULY 22, 1924.
- 190,717. FINISHING AND POLISHING MATERIALS IN THE NATURE OF VARNISH. SHERATONE PRODUCTS CORPORATION, New York, N. Y. Filed March 10, 1924. Serial No. 193,546. PUBLISHED JULY 22, 1924.
- 190,718. MEDICINAL PREPARATION FOR IMPOTENCY. ECKO PRODUCTS COMPANY, Pittsburgh, Pa. Filed March 22, 1924. Serial No. 194,265. PUBLISHED JULY 22, 1924.
- 190,719. ASPHALT PAINTS USED AS COATINGS FOR METAL AND MASONRY. GARDINER AND LEWIS, INC., New York, N. Y. Filed March 22, 1924. Serial No. 194,267. PUBLISHED JULY 22, 1924.
- 190,720. PETROLEUM PRODUCTS—NAMES, LUBRICATING OILS, LUBRICATING GREASES, GASOLINE, ALSO LUBRICATING OILS AND GREASES OTHER THAN DERIVED FROM PETROLEUM—NAMES, VEGETABLE GREASE LUBRICANTS AND LIQUID VEGETABLE LUBRICANTS. METROPOLITAN FINANCE CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed March 26, 1924. Serial No. 194,462. PUBLISHED JUNE 17, 1924.
- 190,721. CERTAIN PAINTS AND PAINTERS' MATERIALS. GATEWAYS, INC., Newport News and Norfolk, Va. Filed March 31, 1924. Serial No. 194,704. PUBLISHED JULY 22, 1924.
- 190,722. LUBRICATING OIL. FEDERAL OIL COMPANY, Minneapolis, Minn. Filed April 10, 1924. Serial No. 195,270. PUBLISHED JULY 22, 1924.
- 190,723. GASOLINE. FEDERAL OIL COMPANY, Minneapolis, Minn. Filed April 10, 1924. Serial No. 195,271. PUBLISHED JULY 22, 1924.
- 190,724. BREAD. WARD BROS. CO. INC., Buffalo, N. Y. Filed March 27, 1923. Serial No. 178,153. PUBLISHED AUGUST 12, 1924.
- 190,725. EDIBLE BAKED BATTER FOOD PRODUCT HAVING A BAKED CENTER. SMITH, PROVOST AND SMITH, Washington, D. C. Filed June 28, 1924. Serial No. 199,329. PUBLISHED AUGUST 12, 1924.
- 190,726. BIRD FOOD CONSISTING OF MIXED BIRD-SEED. PHILADELPHIA SEED COMPANY, Philadelphia, Pa. Filed June 27, 1924. Serial No. 199,243. PUBLISHED AUGUST 12, 1924.
- 190,727. COOKY CAKES AND CRACKERS. HERMAN BISCUIT COMPANY, Grand Rapids, Mich. Filed June 27, 1924. Serial No. 199,225. PUBLISHED AUGUST 12, 1924.
- 190,728. ARTICLE OF FOOD COMPRISING MEAT BAKED IN DOUGH. POTATO DOG CORPORATION, Chicago, Ill. Filed June 25, 1924. Serial No. 199,127. PUBLISHED AUGUST 12, 1924.
- 190,729. BREAD. THE SWEDISH PRODUCE CO., Chicago, Ill. Filed June 20, 1924. Serial No. 198,890. PUBLISHED AUGUST 12, 1924.

- 190,730. DEHYDRATED PASTEURIZED SWEET-CREAM BUTTERMILK POWDER. DRY BUTTERMILK COMPANY, Waseca, Minn.
Filed June 19, 1924. Serial No. 198,792. PUBLISHED AUGUST 12, 1924.
- 190,731. FOOD-FLAVORING EXTRACTS. HAMILTON MANUFACTURING COMPANY, Seattle, Wash.
Filed June 18, 1924. Serial No. 198,835. PUBLISHED AUGUST 12, 1924.
- 190,732. SALAD OIL. ASPEGREN & Co., Inc., New York, N. Y.
Filed June 18, 1924. Serial No. 198,806. PUBLISHED AUGUST 12, 1924.
- 190,733. CHOCOLATE-FLAVORED MALTED MILK IN POWDERED FORM FOR THE MAKING OF A FOOD DRINK. GROS FOOD PRODUCTS CO., New York, N. Y.
Filed June 11, 1924. Serial No. 198,406. PUBLISHED AUGUST 12, 1924.
- 190,734. CHOCOLATE SIRUP FOR FOOD PURPOSES. THOMAS T. WORKMAN, doing business as T. Workman, Indianapolis, Ind.
Filed May 31, 1924. Serial No. 197,919. PUBLISHED AUGUST 12, 1924.
- 190,735. OLIVE OIL. STANDARD OLIVE OIL COMPANY, Inc., New York, N. Y.
Filed May 29, 1924. Serial No. 197,843. PUBLISHED AUGUST 12, 1924.
- 190,736. OLIVE OIL. J. C. FRANCESCONI & Co., New York, N. Y.
Filed May 28, 1924. Serial No. 197,741. PUBLISHED AUGUST 12, 1924.
- 190,737. CAKES, CANDY, CHOCOLATE, AND PASTRY. OSKAR FISCHINGER, Inc., New York, N. Y.
Filed May 22, 1924. Serial No. 197,448. PUBLISHED AUGUST 12, 1924.
- 190,738. ALFALFA MEAL. THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colo.
Filed May 20, 1924. Serial No. 197,326. PUBLISHED AUGUST 12, 1924.
- 190,739. CREAM MEAL, GRITS, CORN FLOUR, AND PEARL HOMINY. ELEVATOR MILLING CO., Springfield, Ill.
Filed April 2, 1924. Serial No. 194,854. PUBLISHED AUGUST 12, 1924.
- 190,740. CANNED OLIVES; JAPAN GREEN TEA, INDIA AND CEYLON BLACK TEA, PACKED IN CARTONS. SAM SEELIG CO., Los Angeles, Calif.
Filed October 26, 1923. Serial No. 187,543. PUBLISHED AUGUST 12, 1924.
- 190,741. PRESERVED FRUIT MIXTURE USED AS A FOOD FLAVORING AND AS A SUNDAY DRESSING. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio.
Filed October 10, 1923. Serial No. 186,774. PUBLISHED AUGUST 12, 1924.
- 190,742. CANNED VEGETABLES. WM. MONTGOMERY & Co., Philadelphia, Pa.
Filed April 27, 1923. Serial No. 179,812. PUBLISHED AUGUST 12, 1924.
- 190,743. KEROSENE, GASOLINE, LUBRICATING OILS, AND GREASES. THE WESTERN RESERVE OIL COMPANY, Cleveland, Ohio.
Filed November 1, 1922. Serial No. 171,479. PUBLISHED MAY 1, 1923.
- 190,744. PASTE PAINTS. JAMES B. SIPE & COMPANY, Pittsburgh, Pa.
Filed April 18, 1923. Serial No. 179,324. PUBLISHED JULY 22, 1924.
- 190,745. SYNTHETIC TURPENTINE. JAMES B. SIPE & COMPANY, Pittsburgh, Pa.
Filed April 18, 1923. Serial No. 179,330. PUBLISHED JULY 22, 1924.

- 190,746. PROTECTIVE LIQUID CHEMICAL IN THE NATURE OF A PAINT FOR METAL, STONE, CEMENT, AND WOOD. THE KEPEC COMPANY, Milwaukee, Wis.
Filed June 8, 1923. Serial No. 181,690. PUBLISHED JULY 22, 1924.
- 190,747. CERTAIN OILS, GREASES, AND COMPOUNDS. RYT-OYL LUBRICANTS COMPANY, San Francisco, Calif.
Filed August 20, 1923. Serial No. 184,765. PUBLISHED JULY 22, 1924.
- 190,748. LUBRICATING OILS. THE WARREN REFINING & CHEMICAL COMPANY, Cleveland, Ohio.
Filed September 21, 1923. Serial No. 186,035. PUBLISHED DECEMBER 11, 1923.
- 190,749. LUBRICATING OIL. ANDERSON W. KELLEY, executor for Joseph K. Nye estate, doing business as William F. Nye, New Bedford, Mass.
Filed November 23, 1923. Serial No. 188,757. PUBLISHED JULY 29, 1924.
- 190,750. VARNISHES AND DRY, PASTE, AND READY-MIXED PAINTS. W. P. FULLER & Co., San Francisco, Calif.
Filed December 31, 1923. Serial No. 190,289. PUBLISHED JULY 22, 1924.
- 190,751. VARNISHES AND DRY, PASTE, AND READY-MIXED PAINTS. W. P. FULLER & Co., San Francisco, Calif.
Filed December 31, 1923. Serial No. 190,290. PUBLISHED JULY 22, 1924.
- 190,752. LUBRICATING OIL. J. L. KEMP COMPANY, Milwaukee, Wis.
Filed January 14, 1924. Serial No. 190,791. PUBLISHED JULY 22, 1924.
- 190,753. LIQUID POLISH AND OIL FOR AUTOMOBILES, FURNITURE, AND PIANOS. PAUL C. HOLT, doing business as Restora Polish Company, Boise, Idaho.
Filed January 30, 1924. Serial No. 191,487. PUBLISHED JULY 22, 1924.
- 190,754. SWEATERS, BATHING SUITS, KNITTED CAPS, KNITTED MITTENS, AND KNITTED CHILDREN'S SUITS. D. NUSBAUM & Co., Union Course, N. Y.
Filed February 18, 1924. Serial No. 192,490. PUBLISHED JULY 22, 1924.
- 190,755. FINISHING AND POLISHING MATERIALS IN THE NATURE OF VARNISH. SHERATONE PRODUCTS CORPORATION, New York, N. Y.
Filed March 10, 1924. Serial No. 193,545. PUBLISHED JULY 22, 1924.
- 190,756. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. CARPENTER COOK COMPANY, Menominee, Mich.
Filed March 24, 1923. Serial No. 177,961. PUBLISHED AUGUST 12, 1924.
- 190,757. FARM FEED OR SHORTS—THAT IS, STOCK FEED, POULTRY FEED, AND CHICK FEED. BALLARD & BALLARD Co., Louisville, Ky.
Filed April 10, 1923. Serial No. 178,890. PUBLISHED AUGUST 12, 1924.
- 190,758. EGGS AND POULTRY PRODUCTS, SUCH AS DRESSED CHICKENS, GESE, DUCKS, AND TURKEYS. ATLANTIC COAST POULTRY PRODUCERS ASSOCIATION, New York, N. Y.
Filed August 17, 1923. Serial No. 184,578. PUBLISHED AUGUST 12, 1924.
- 190,759. EGGS AND POULTRY PRODUCTS, SUCH AS DRESSED CHICKENS, GESE, DUCKS, TURKEYS, AND THE LIKE. ATLANTIC COAST POULTRY PRODUCERS ASSOCIATION, New York, N. Y.
Filed August 17, 1923. Serial No. 184,579. PUBLISHED AUGUST 12, 1924.

- 190,760. BREAD. EDWARD KUZIAK, doing business as American Catholic Mixed Bakery Co., New York, N. Y.
Filed March 13, 1924. Serial No. 193,714. PUBLISHED AUGUST 12, 1924.
- 190,761. YELLOW CORN AND WHITE OATS. LANGENBERG GRAIN CO., St. Louis, Mo., and New Orleans, La.
Filed May 21, 1924. Serial No. 197,379. PUBLISHED AUGUST 12, 1924.
- 190,762. BREAD. PETER M. DORSCH, doing business as White Cross Bakery, Washington, D. C.
Filed June 4, 1924. Serial No. 198,060. PUBLISHED AUGUST 12, 1924.
- 190,763. FLOUR, AND PARTICULARLY SELF-RISING FLOUR. BALLARD & BALLARD Co., Louisville, Ky.
Filed June 19, 1924. Serial No. 198,782. PUBLISHED AUGUST 12, 1924.
- 190,764. WHEAT FLOUR. PLANK MILLING CO., Jeromesville, Ohio.
Filed June 23, 1924. Serial No. 199,018. PUBLISHED AUGUST 12, 1924.
- 190,765. PUTTY COMPOSED OF WHITING AND OIL. DEVOE & RAYNOLDS CO., Inc., New York, N. Y.
Filed May 28, 1924. Serial No. 197,712. PUBLISHED AUGUST 19, 1924.
- 190,766. TURPENTINE. COLUMBIA NAVAL STORES COMPANY, New York, N. Y.
Filed April 3, 1924. Serial No. 194,909. PUBLISHED JUNE 3, 1924.
- 190,767. CARNAUBA WAX. FRANK B. ROSS CO. INC., New York, N. Y.
Filed March 25, 1924. Serial No. 194,418. PUBLISHED JUNE 24, 1924.

- 190,768. READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. COLUMBIA VARNISH COMPANY, Los Angeles, Calif.
Filed March 5, 1924. Serial No. 193,274. PUBLISHED JUNE 17, 1924.
- 190,769. PAINTS IN LIQUID, DRY, AND PASTE FORM; VARNISHES, AND PAINT ENAMELS. THE OWL DRUG COMPANY, San Francisco, Calif.
Filed November 14, 1923. Serial No. 188,323. PUBLISHED JUNE 24, 1924.
- 190,770. CERTAIN PAINTS AND PAINTERS' MATERIALS. F. O. PIERCE COMPANY, New York, N. Y.
Filed November 10, 1923. Serial No. 188,215. PUBLISHED MAY 13, 1924.
- 190,771. BREAD. PETERSEN & PEGAU BAKING CO., now by change of name P. F. Petersen Baking Company, Omaha, Nebr.
Filed September 20, 1923. Serial No. 185,986. PUBLISHED FEBRUARY 12, 1924.
- 190,772. LUBRICATING OIL, PENETRATING OIL, AND RUST REMOVER, AND THREAD-CUTTING OIL. LUBAC CORPORATION, Chicago, Ill.
Filed May 14, 1923. Serial No. 180,611. PUBLISHED AUGUST 19, 1924.
- 190,773. BRONZING LIQUID, RAW LINSEED OIL, SPIRITS OF TURPENTINE, FOR TECHNICAL USE. THE OWL DRUG COMPANY, San Francisco, Calif.
Filed July 1, 1922. Serial No. 166,399. PUBLISHED JANUARY 9, 1923.
- 190,774. PAINT ENAMELS. GENE MORRIS AUTO PAINTING SYSTEM, Dover, Del., and Los Angeles, Calif.
Filed January 24, 1924. Serial No. 191,236. PUBLISHED MAY 20, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 190,775. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEPENDABLE BAKERS ASSOCIATED, Brooklyn, N. Y. Filed Aug. 23, 1924. Serial No. 201,801.

- 190,777. (CLASS 37. PAPER AND STATIONERY.) MORRISON FOUNTAIN PEN CO., New York, N. Y. Filed Aug. 13, 1924. Serial No. 201,306.

THE LOAF WITH THE SLICE GUIDE

Particular description of goods.—Bread.
Claims use since Jan. 2, 1921.

- 190,776. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEHLI SILKS CORPORATION, New York, N. Y. Filed Aug. 16, 1924. Serial No. 201,518.

SATIN MILANO

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 11, 1922.



Particular description of goods.—Fountain Pens and Pencils.
Claims use since about June 1, 1919.

- 190,778. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed July 26, 1924. Serial No. 200,547.

WILTSHIRE

Particular description of goods.—Domestic Cotton Broadcloth in the Piece.
Claims use since May 15, 1923.

190,779. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INTERNATIONAL RUBBER CO. OF AMERICA, Anderson, Ind. Filed July 19, 1924. Serial No. 200,259.

LONG WEAR

Particular description of goods.—Pneumatic-Tire Casings and Tubes.

Claims use since Dec. 1, 1917.

190,780. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DANIEL W. FARNSWORTH, Montclair, N. J., and New York, N. Y. Filed July 18, 1924. Serial No. 200,192.

FARNSWORTH

Particular description of goods.—Woolen Piece Goods and Pure Woolen Blankets.

Claims use since July, 1918.

190,781. (CLASS 15. OILS AND GREASES.) ASSOCIATED OIL COMPANY, San Francisco, Calif. Filed June 27, 1924. Serial No. 199,204.

AVON

Particular description of goods.—Petroleum Products—Namely, Gasoline, Kerosene, Benzine, Lubricating Oils and Greases, Crude Oils, and Distillates.

Claims use since Oct. 5, 1922.

190,782. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OLD TOWN WOOLEN CO. INC., Old Town, Me. Filed May 27, 1924. Serial No. 197,678.

Old Town Blanket

Particular description of goods.—Wool and Mixed Cotton and Wool Blankets.

Claims use since August, 1920.

190,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCIO GONZALEZ, doing business as Lucio Gonzalez & Co., Azusa, Calif. Filed Apr. 22, 1924. Serial No. 195,956.

ANTIDIFTERICO GONZALEZ

Particular description of goods.—Internal Medicine for Diphtheria.

Claims use since Dec. 1, 1922.

190,784. (CLASS 39. CLOTHING.) KQUALITY KNIT WEAR MILLS, New York, N. Y. Filed Apr. 14, 1924. Serial No. 195,524.

KQUALITY KNIT

Particular description of goods.—Ties and Scarfs.

Claims use since June 1, 1923.

190,785. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SHWARTZ & NOBLE, Philadelphia, Pa. Filed Apr. 7, 1924. Serial No. 195,132.

BEDFORD

Particular description of goods.—Cotton Flannels in Piece Goods.

Claims use since about March, 1917.

190,786. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923. Serial No. 189,530.

SAYLES PROCESS

Particular description of goods.—Cotton Piece Goods.

Claims use since about Aug. 1, 1923.

190,787. (CLASS 39. CLOTHING.) DUNHILL TAILORED CLOTHES, INC., New York, N. Y. Filed Oct. 16, 1923. Serial No. 187,046.

DUNHILL

Particular description of goods.—Men's Suits and Overcoats.

Claims use since Sept. 3, 1923.

190,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE FRANCIS COVELL, Modesto, Calif. Filed Oct. 10, 1923. Serial No. 186,776.

VOLSTEAD

Particular description of goods.—Fresh Grapes.

Claims use since Sept. 10, 1923.

190,789. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN A. SCHWARZ, INC., Brooklyn, N. Y. Filed Sept. 26, 1923. Serial No. 186,249.

JOHN A. SCHWARZ Inc.

Particular description of goods.—Certain Named Household Furniture.

Claims use since about Nov. 1, 1915.

190,790. (CLASS 39. CLOTHING.) SAMUEL N. MAGILL, INC., Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 184,140.

Ampleseat

Particular description of goods.—Bloomers.

Claims use since July 18, 1923.

190,791. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed June 18, 1923. Serial No. 182,124.

SPOKANE

Particular description of goods.—Textile Articles—Namely, Hosiery.

Claims use since June 8, 1923.

190,792. (CLASS 39. CLOTHING.) H. N. COOK BELTING COMPANY, San Francisco, Calif. Filed May 28, 1923. Serial No. 181,251.

MILT-FORD

Particular description of goods.—Inner Liners for Shoes, Made of Leather and Composition Cloth.

Claims use since Mar. 1, 1923.

190,793. (CLASS 39. CLOTHING.) PARISIAN CLOAK CO., Kansas City, Mo. Filed Apr. 27, 1923. Serial No. 179,818.

Skirley

Particular description of goods.—Dresses.

Claims use since Mar. 10, 1923.

327 O. G.—32

190,794. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Mar. 21, 1923. Serial No. 177,765.

BRADFORD ENGLISH BROAD

Particular description of goods.—Men's and Boys' Dress, Negligee, and Work Shirts.

Claims use since Jan. 1, 1921.

190,795. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GOULD-MERSEREAU COMPANY, Long Island City, N. Y. Filed Apr. 27, 1922. Serial No. 162,992.

G-M-Co.
N.Y.
L.I. CITY

DUAL
FIRING

Particular description of goods.—Spark Plugs.

Claims use since Aug. 30, 1921.

190,796. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BIGELOW BRUNO MFG. CO., Chicago, Ill. Filed Sept. 20, 1922. Serial No. 169,699.

"The Things that Wear, are not There"

Particular description of goods.—Timers for Combustion Engines.

Claims use since August, 1920.

190,797. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KATZ & OGUSH, INC., New York, N. Y. Filed May 1, 1923. Serial No. 180,013.

CERTIFIED

Particular description of goods.—Finger Rings, Bar Pins, Scarfpins, Bracelets, Sautoirs, Watch Chains, Gem Settings, Mesh Bags, Vanity Cases, Barrettes, Brooches, Belt Buckles, Collar Pins, Cigarette Cases, Cigar Cutters, Collar Buttons, Earrings, Watch Fobs, Necklaces, Neck Chains, Necklace Clasps, Medals, Cuff Buttons, Shoe Buckles, Locketts, Tie Clasps, Watch-Chain Snaps, and Vell Pins.

Claims use since Apr. 12, 1923.

190,798. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KATZ & OGUSH, INC., New York, N. Y. Filed May 1, 1923. Serial No. 180,014.

CERTIFIED

Particular description of goods.—Watches, Watch Movements, and Watchcases.

Claims use since Apr. 12, 1923.

190,799. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE COLUMBUS WASHBOARD COMPANY, Columbus, Ohio. Filed May 19, 1923. Serial No. 180,843.

Klor-Kleaner

Particular description of goods.—Washboards.
Claims use since May 10, 1923.

190,800. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) FRANK J. SMITH, New York, N. Y. Filed May 21, 1923. Serial No. 180,945.



Particular description of goods.—Ironing-Board Covers.
Claims use since Apr. 1, 1923.

190,801. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FORMAN & CO., New York, N. Y. Filed July 3, 1923. Serial No. 182,746.



Particular description of goods.—Paper Condensers, Mica Condensers, Rheostats, Grid Leaks, Loose Couplers, Sockets for Electric Lamps, Separable Attachment Plugs, Connecting Plugs for Sadrirons, Flush Receptacles, Cord Connectors, One-Piece Plugs, Connector Switch Plugs, Radio Receiving Sets.

Claims use since about May 5, 1923.

190,802. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. BRANDES, INC., New York, N. Y. Filed Apr. 23, 1924. Serial No. 196,004.

Brandes

Particular description of goods.—Radio Receiving Sets, Electron-Tube Amplifier Units, Telephone Head Sets, Loud-Speaker Reproducers for Radio Receiving Sets, and Electrically-Shielded Telephone-Receiver Cords.

Claims use since Aug. 1, 1922.

190,803. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALDEN MANUFACTURING COMPANY, Springfield, Mass. Filed June 4, 1924. Serial No. 198,044.

"It's the Contact That Counts"

Particular description of goods.—Sockets of Molded Insulation for Holding Vacuum Tubes and for Adapters Which are Designed to be Inserted in Vacuum-Tube Receiving Sockets of Standard Sizes for Receiving Vacuum Tubes of Smaller Sizes.

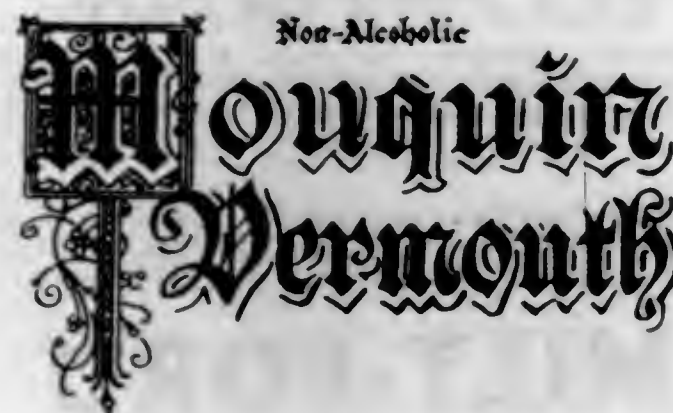
Claims use since about January, 1923.

190,804. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH BERNARD HARRIS, doing business as Buffalo Auto Bumper Co., Buffalo, N. Y. Filed June 13, 1924. Serial No. 198,520.

BUMPERLITE

Particular description of goods.—Lights for Bumpers.
Claims use for more than one year.

190,805. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MOUQUIN INCORPORATED, New York, N. Y. Filed June 27, 1924. Serial No. 199,239.



Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making Same.

Claims use since Nov. 1, 1919.

190,806. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GOLDEN EAGLE BUGGY COMPANY, Atlanta, Ga. Filed July 1, 1924. Serial No. 199,422.

WEARWELL

Particular description of goods.—Batteries and Spark Plugs.

Claims use since May 7, 1923.

190,807. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE STARR PIANO COMPANY, Richmond, Ind. Filed July 2, 1924. Serial No. 199,502.

Starr

Particular description of goods.—Phonographs, Phonograph Records, Sound Boxes, Tone Arms, Automatic Stops, Winding Handles, Escutcheon Brakes, Spring and Mechanically Operated Motors, and Needles for Phonographs.

Claims use since Jan. 1, 1907.

190,808. (CLASS 11. INKS AND INKING MATERIALS.) IMPRESSION PRODUCTS COMPANY, Wilmington, Del., and Coraopolis and Pittsburgh, Pa. Filed July 9, 1924. Serial No. 199,788.

Syrian Fibre

Particular description of goods.—Typewriter Ribbons.
Claims use since June 13, 1921.

190,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUSSELL N. SHERP, doing business as The Pine Rub Company, Philadelphia, Pa. Filed Aug. 6, 1924. Serial No. 201,048.



Particular description of goods.—Ointment, Indicated for the Treatment of Certain Forms of Congestion and Inflammation, Such as Pneumonia, Bronchitis, Colds, Coughs, Rheumatism, Sprains, Etc.

Claims use since Jan. 20, 1923.

190,810. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) H. A. SHOLES & CO., Chicago, Ill. Filed Aug. 14, 1924. Serial No. 201,416.

EXCEL SEEDS

Particular description of goods.—Flower, Vegetable, Field, and Lawn Grass Seeds.
Claims use since Feb. 12, 1921.

INTERNATIONAL TRADE-MARK REGISTRATIONS

The following International Registrations have been received from the Bureau at Habana and have been placed upon the Register in accordance with the provisions of section 1 (a) of the act of March 19, 1920.

190,811. International Registration No. 1,021 of August 26, 1924. Registered in Cuba on September 26, 1923. No. 38,866. Proprietor: SOLO, ARMADA Y COMPAÑIA, S. EN C. Address: Matías Infanzón y Juan Alonso, Luyanó, Habana.



Merchandise to which the mark is affixed.—Chocolates, Biscuits, Confections, Sweetmeats, Preserved Sweets, Fresh Fruits, Guava Paste, Jellies, Bonbons, Caramels, and Candles of All Kinds.

190,812. International Registration No. 1,022 of September 2, 1924. Registered in Cuba on October 28, 1919. No. 34,677. Proprietor: C. DEL PESO Y CA. Address: Dragones Nos. 4-6, Habana.

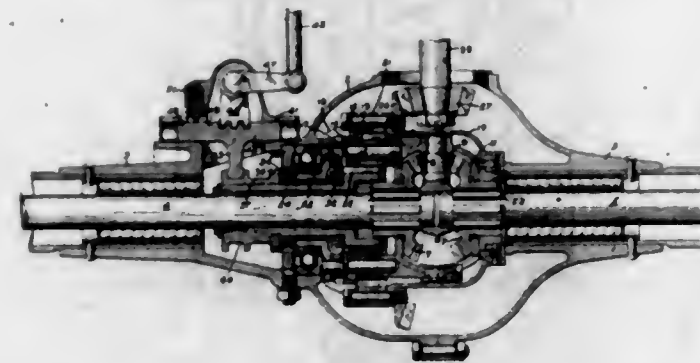


Merchandise to which the mark is affixed.—Cigars.

REISSUES

OCTOBER 21, 1924.

15,932. TRANSMISSION MECHANISM. CHARLES S. EVANS, Oakland, Calif., assignor to The Perfecto Gear Differential Company, Oakland, Calif., a Corporation of Washington. Filed Aug. 25, 1924. Serial No. 734,133. Original No. 1,497,845, dated June 17, 1924, Serial No. 668,311, filed Oct. 13, 1923. 16 Claims. (Cl. 74-99.)

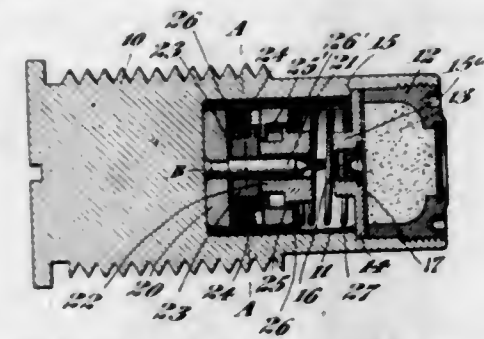


1. The combination with a differential gear system of a planetary gear system including inner and ring gears and having its intermediate gears journaled on the differential casing, a fixed element, and means for optionally locking said inner gear to said fixed element or to said ring gear.

15,933. PERCUSSION FUSE. ROBERT RAYMOND CAREY, WILLIAM L. LUKENS, and LEIGHTON N. D. MIXSELL, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1923. Serial No. 676,161. Original No. 1,397,855, dated Nov. 22, 1921, Serial No. 250,566, filed Aug. 19, 1918. 14 Claims. (Cl. 102-39.)

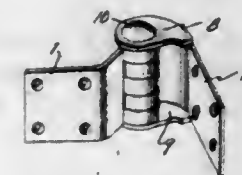
6. In a fuse for projectiles, the combination of a plunger body having a cavity therein provided with an intermediate abutment, a pin carried by the plunger body and extending through the cavity and beyond one end of the plunger body, a guard member of less length than the pin, automatically operable centrifugally releasable means for normally holding the guard member extended beyond the outer end of the pin, and a sheath

surrounding the plunger body and having a flange which extends inwardly beyond the wall of one end of the cavity, said guard member having abutment means there-



on for cooperation with the first-named abutment means and with the sheath flange for limiting movement in either direction of said guard member.

15,934. AUTOMOBILE DOOR HINGE. HENRY J. MASTENBROOK, Lakewood, Ohio, assignor to Parsons Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 25, 1924. Serial No. 688,623. Original No. 1,427,308, dated Aug. 29, 1922, Serial No. 343,833, filed Dec. 10, 1919. 5 Claims. (Cl. 16-135.)

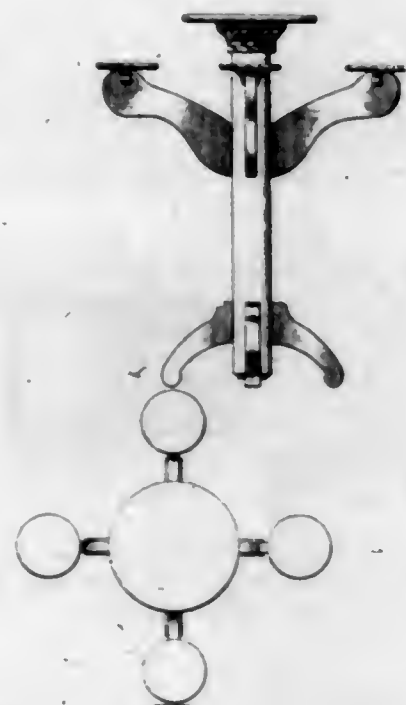


1. A hinge of the class described comprising opposed plates, one terminating at one end in a series of knuckles, and the other having its end portion extended about and partially concealing said knuckles and terminating in knuckles interengaging those of the former plate, the latter plate having parts turned at right angles to its body portion over the end knuckles, said parts having apertures in axial alignment with the knuckles, and a pintle extending through the apertures and knuckles.

DESIGNS

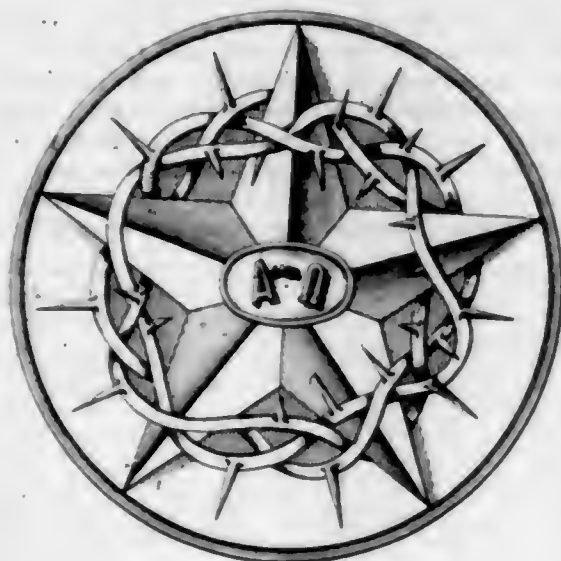
OCTOBER 21, 1924.

65,792. FLOWERPOT STAND. ROSSIE L. ADKINS, Omaha, Nebr., assignor of one-half to James W. Hopkins, Omaha, Nebr. Filed Mar. 24, 1922. Serial No. 1,377. Term of patent 7 years.



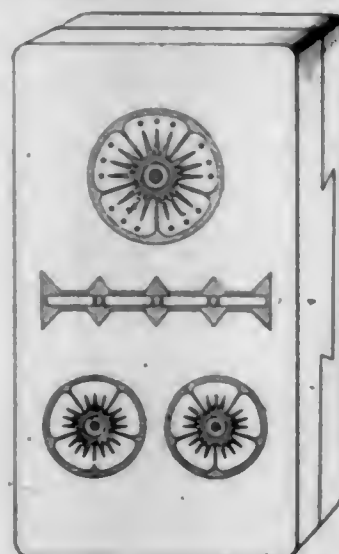
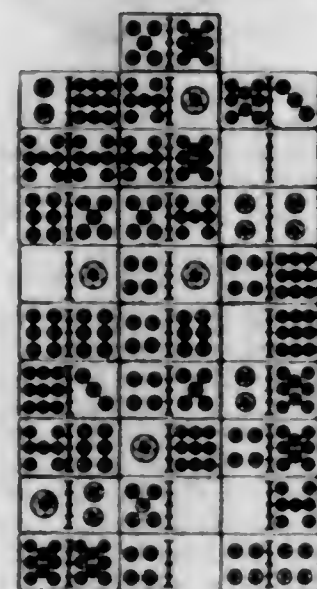
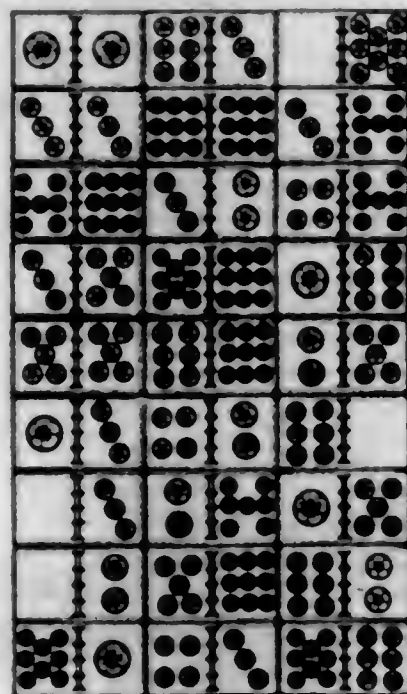
The ornamental design for a flower pot stand as shown.

65,793. BADGE OR SIMILAR ARTICLE. JAMES O. ANDREWS, Gainesville, Fla. Filed Mar. 17, 1923. Serial No. 5,495. Term of patent 14 years.



The ornamental design for a badge or similar article, as shown.

65,794. SET OF DOMINOES. JOSEPH PARK BARCOCK, Tsinan, China, assignor to Mah Jongg Company of China, Shanghai, China, a Corporation of Alaska. Filed Dec. 14, 1923. Serial No. 8,039. Term of patent 3 1/2 years.



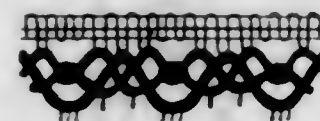
The ornamental design for a set of dominoes as shown.

OCTOBER 21, 1924

U. S. PATENT OFFICE.

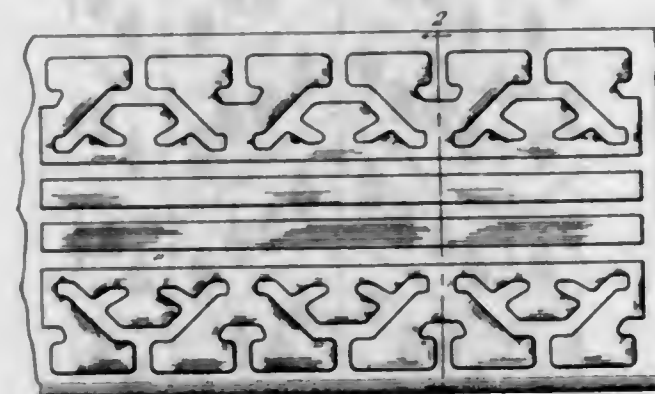
491

65,795. LACE. HARRY B. BARNUM, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Aug. 14, 1924. Serial No. 10,460. Term of patent 14 years.



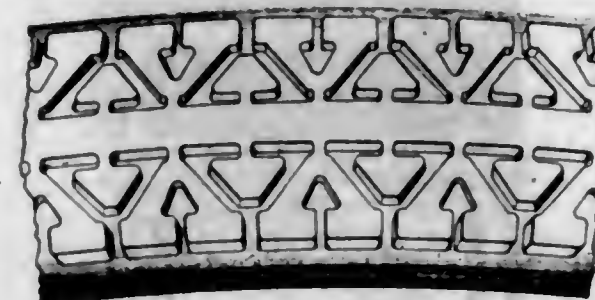
The ornamental design for lace substantially as shown.

65,796. PNEUMATIC-TIRE TREAD. HARRY S. BERLIN, Springfield, Ohio, assignor to The Victor Rubber Company, Springfield, Ohio, a Corporation of Ohio. Filed Mar. 18, 1924. Serial No. 8,987. Term of patent 14 years.



The ornamental design for a pneumatic tire tread as shown.

65,797. PNEUMATIC-TIRE TREAD. PERCY B. BOWORTH, Springfield, Ohio, assignor to The Victor Rubber Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 23, 1923. Serial No. 5,921. Term of patent 3 1/2 years.



The ornamental design for a pneumatic tire tread as shown.

65,798. RING. ALBERT BROD, New York, N. Y. Filed July 26, 1924. Serial No. 10,264. Term of patent 3 1/2 years.



The ornamental design for a ring, as shown.

65,799. CLOCK. GEORGE S. BRUSH, Zanesville, Ohio. Filed May 2, 1924. Serial No. 9,469. Term of patent 7 years.



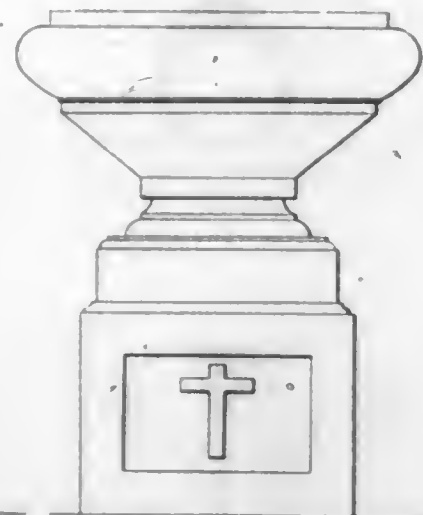
The ornamental design for a clock case as shown.

65,800. DOLL. LILLIAN S. CANDIA, New York, N. Y. Filed July 23, 1924. Serial No. 10,229. Term of patent 7 years.



The ornamental design for a doll, as shown.

65,801. MONUMENTAL VASE. CHARLES C. CROSSLEY, Struthers, Ohio. Filed May 14, 1923. Serial No. 6,158. Term of patent 7 years.



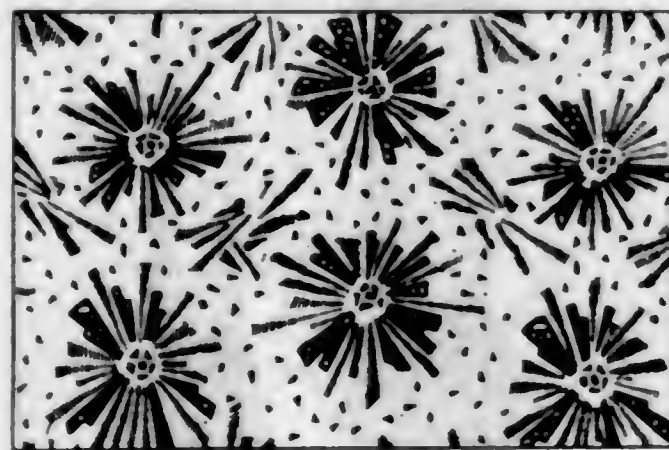
The ornamental design for a monumental vase as shown.

65,802. DOLL. EDWARD J. DERST, Savannah, Ga. Filed Aug. 18, 1924. Serial No. 10,483. Term of patent 14 years.



The ornamental design for a doll, as shown.

65,803. PAPER. WILLIAM S. FOWLER, Holyoke, Mass., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,423. Term of patent 14 years.



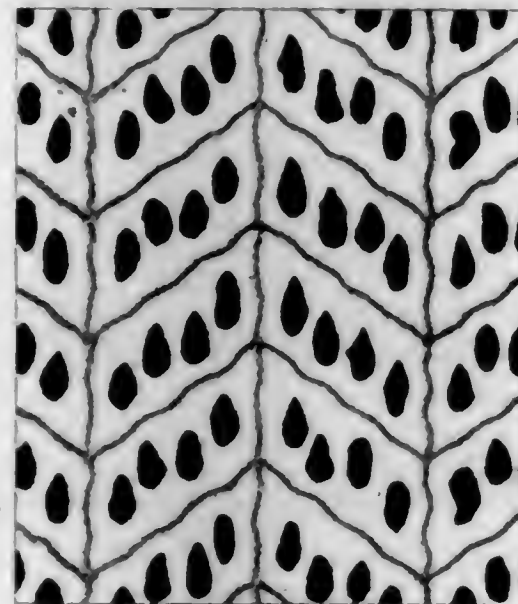
The ornamental design for paper as shown.

65,804. RING. JAMES DOMINICK GIUFFRÉ, Brooklyn, N. Y. Filed July 16, 1924. Serial No. 10,164. Term of patent 14 years.



The ornamental design for a ring, as shown.

65,805. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 22, 1924. Serial No. 10,222. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

65,806. CABINET FOR COMBINED RADIO AND PHONOGRAPH. ALFRED H. HAAO, Baltimore, Md. Filed July 28, 1924. Serial No. 10,270. Term of patent 3 1/2 years.



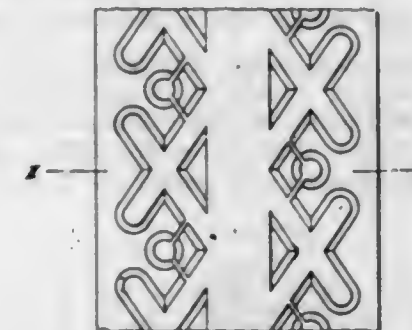
The ornamental design for a cabinet for combined radio and phonograph, as shown.

65,807. NOVELTY DOLL. FLORENCE DEMING HARLEY, San Francisco, Calif. Filed July 17, 1924. Serial No. 10,169. Term of patent 7 years.



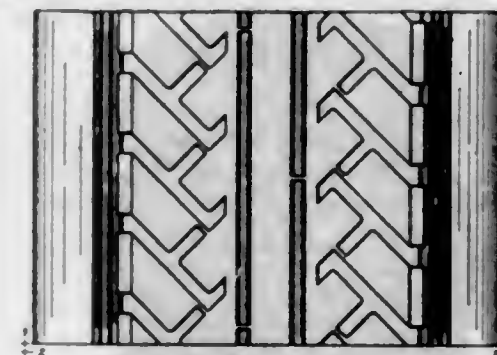
The ornamental design for a novelty doll as shown.

65,808. VEHICLE TIRE. EDISON G. HULSE, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Dec. 4, 1922. Serial No. 4,489. Term of patent 7 years.



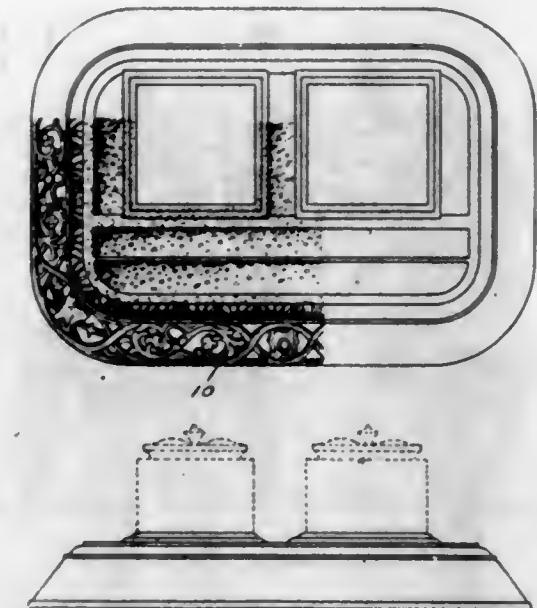
The ornamental design for a vehicle tire as shown.

65,809. VEHICLE TIRE. EDISON G. HULSE, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed June 21, 1924. Serial No. 9,937. Term of patent 14 years.



The ornamental design for a vehicle tire, as shown.

65,810. INKSTAND OR SIMILAR ARTICLE. ALBERT JAGGERS, Suffern, N. Y., assignor to The Segar Studios Inc., a Corporation of New York. Filed July 14, 1924. Serial No. 10,147. Term of patent 7 years.



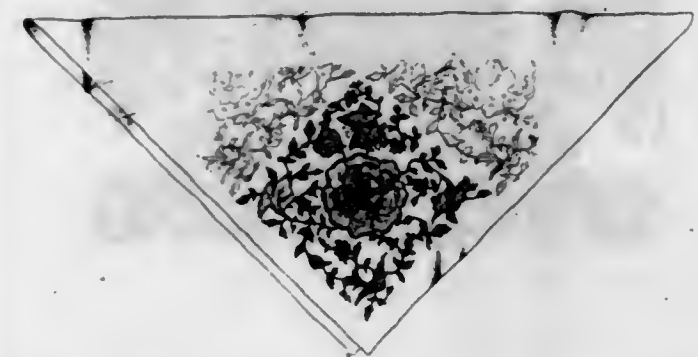
The ornamental design for an ink-stand or similar article substantially as shown and described.

65,811. SHAWL. JOSEPH K. KABALAN, Jersey City, N. J. Filed July 28, 1924. Serial No. 10,276. Term of patent 3 1/2 years.



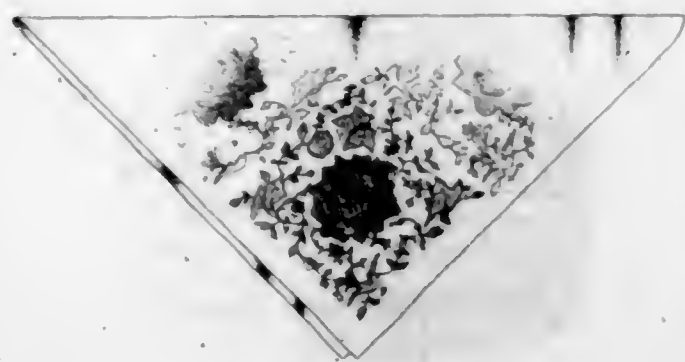
The ornamental design for a shawl as shown and described.

65,812. SHAWL. JOSEPH K. KABALAN, Jersey City, N. J. Filed July 28, 1924. Serial No. 10,277. Term of patent 3 1/2 years.



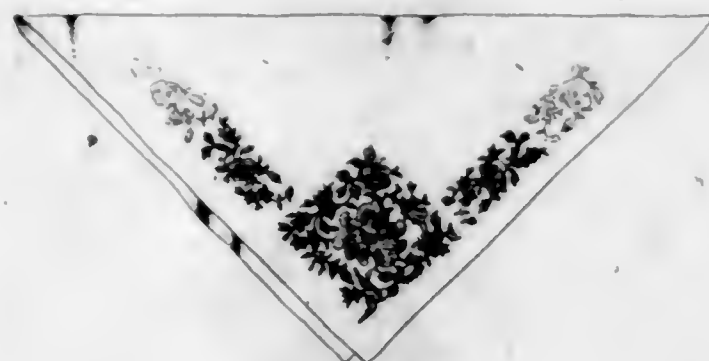
The ornamental design for a shawl as shown and described.

65,813. SHAWL. JOSEPH K. KABALAN, Jersey City, N. J. Filed July 28, 1924. Serial No. 10,278. Term of patent 3½ years.



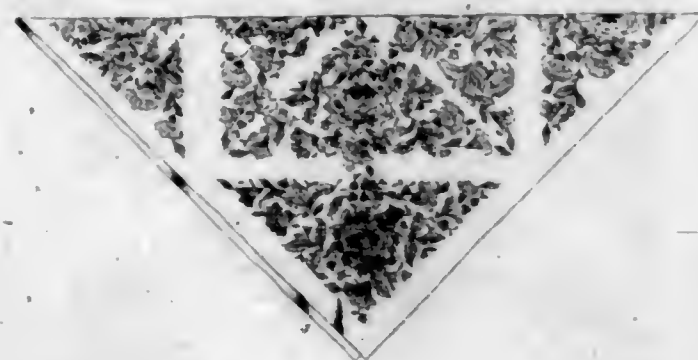
The ornamental design for a shawl as shown and described.

65,814. SHAWL. JOSEPH K. KABALAN, Jersey City, N. J. Filed July 28, 1924. Serial No. 10,279. Term of patent 3½ years.



The ornamental design for a shawl as shown and described.

65,815. SHAWL. JOSEPH K. KABALAN, Jersey City, N. J. Filed Aug. 6, 1924. Serial No. 10,391. Term of patent 3½ years.



The ornamental design for a shawl as shown and described.

65,816. DOLL. HUBERT E. LELAND, New York, N. Y. Filed Aug. 11, 1924. Serial No. 10,439. Term of patent 3½ years.



The ornamental design for a doll, as shown.

65,817. LIGHTING-FIXTURE ARM. ISAAC LEVY, New York, N. Y. Filed July 15, 1924. Serial No. 10,154. Term of patent 3½ years.



The ornamental design for a lighting fixture arm substantially as shown.

65,818. TEA BASKET. LUM SANG LOY, San Francisco, Calif., assignor to Lee Way King, San Francisco, Calif. Filed Jan. 23, 1924. Serial No. 8,374. Term of patent 14 years.



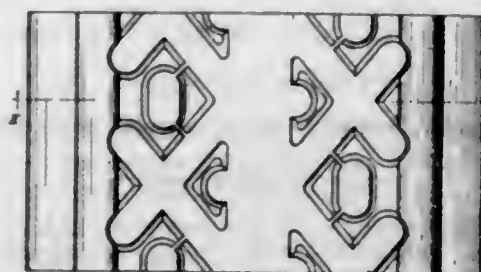
The ornamental design for a tea basket as shown.

65,819. ORNAMENTAL PLATE FOR A BAG FRAME. SAHATIEL G. MANDALIAN, North Attleboro, Mass. Filed July 21, 1924. Serial No. 10,204. Term of patent 7 years.



The ornamental design for an ornamental plate for a bag frame, as shown.

65,820. VEHICLE TIRE. THOMAS C. MARSHALL, Mount Savage, and EDISON G. HULSE, Cumberland, Md., assignors to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed May 5, 1923. Serial No. 6,073. Term of patent 14 years.



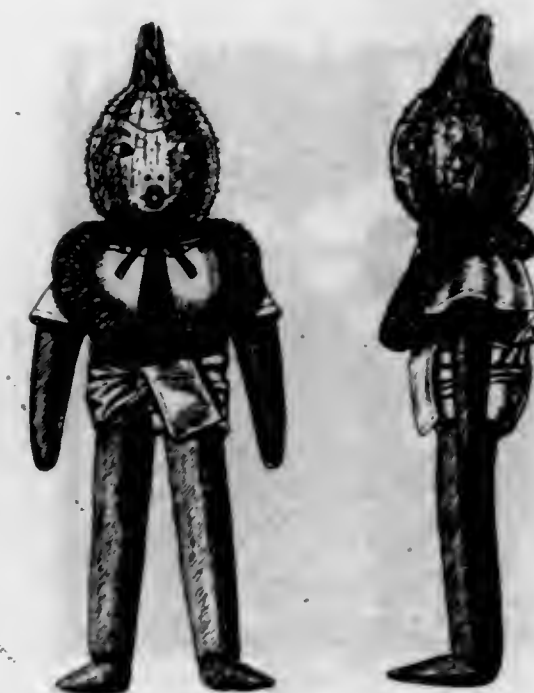
The ornamental design for a vehicle tire, as shown.

65,821. PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Card Company, a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,422. Term of patent 14 years.



The ornamental design for paper as shown.

65,822. DOLL. SARAH E. MATHEWS, Honolulu, Territory of Hawaii. Filed Aug. 20, 1924. Serial No. 10,504. Term of patent 14 years.



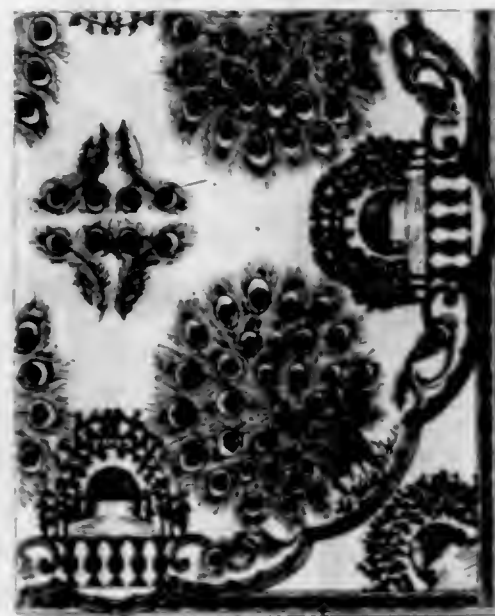
The ornamental design for a doll, as shown.

65,823. TEXTILE FABRIC. JOHN ROBERT NEWTON, Philadelphia, Pa. Filed Aug. 14, 1924. Serial No. 10,461. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

65,824. TEXTILE FABRIC. JOHN ROBERT NEWTON, Philadelphia, Pa. Filed Aug. 26, 1924. Serial No. 10,556. Term of patent 3½ years.



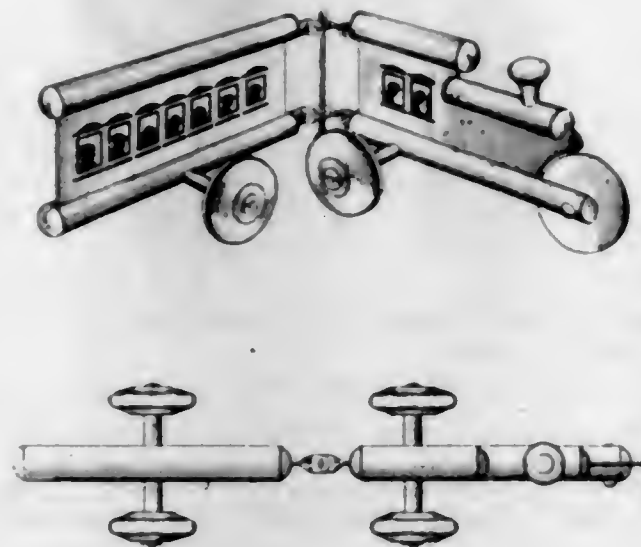
The ornamental design for a textile fabric, substantially as shown.

65,825. TEXTILE FABRIC. JOHN ROBERT NEWTON, Philadelphia, Pa. Filed Aug. 26, 1924. Serial No. 10,557. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

65,826. WHEELED TOY. CHARLES HAMILTON PAJEAU, Evanston, Ill., assignor to The Toy Tinkers, Inc., a Corporation of Illinois. Filed Aug. 1, 1924. Serial No. 10,339. Term of patent 14 years.



The ornamental design for a wheeled toy as shown.

65,827. LAMP CASING. ALPHONSE F. PIEPER, Rochester, N. Y. Filed Jan. 26, 1923. Serial No. 5,004. Term of patent 14 years.



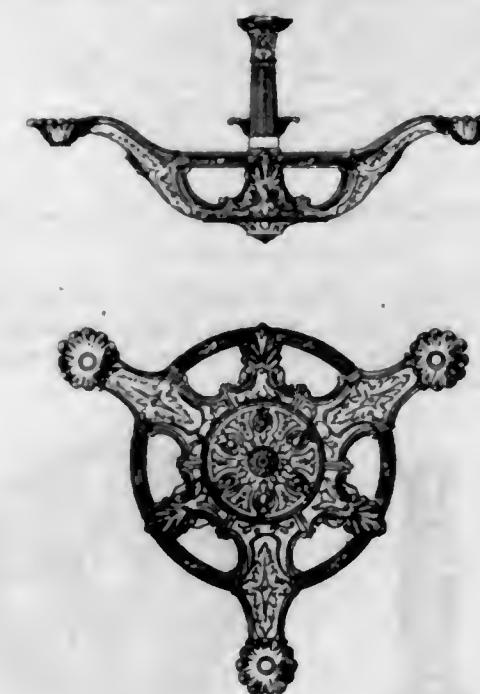
The ornamental design for a lamp casing, as shown.

65,828. LAMP CASING. ALPHONSE F. PIEPER, Rochester, N. Y. Filed Jan. 26, 1923. Serial No. 5,005. Term of patent 14 years.



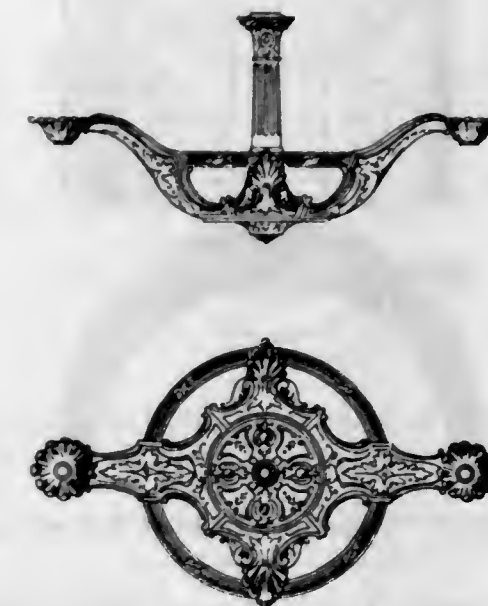
The ornamental design for a lamp casing, as shown.

65,829. THREE-LIGHT BODY HOLDER FOR A CHANDELIER. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed July 19, 1924. Serial No. 10,185. Term of patent 3½ years.



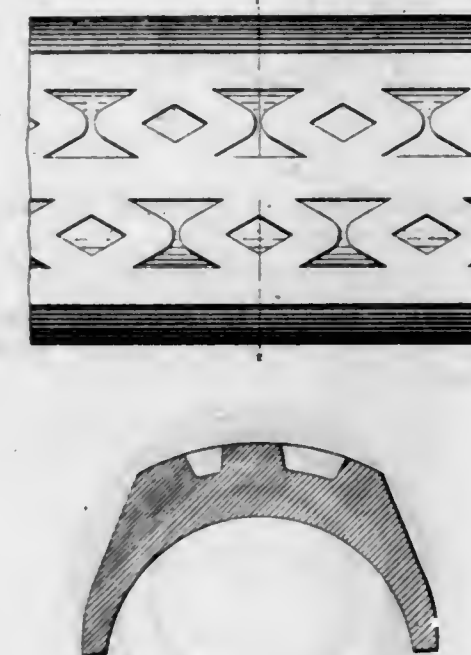
The ornamental design for a three light body holder for a chandelier as shown.

65,830. TWO-LIGHT BODY HOLDER FOR A CHANDELIER. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed July 19, 1924. Serial No. 10,186. Term of patent 3½ years.



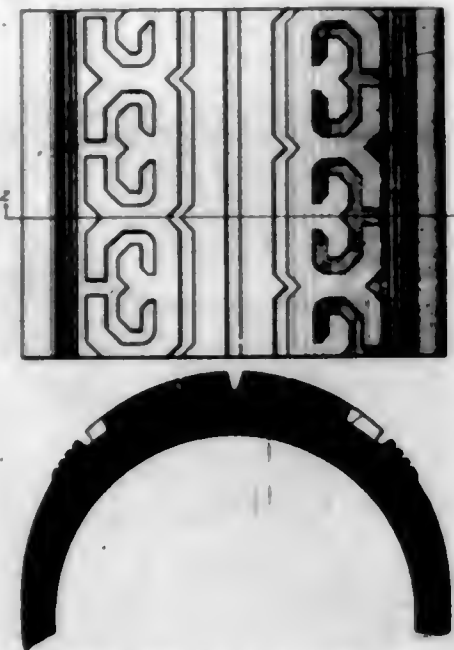
The ornamental design for a two light body holder for a chandelier as shown.

65,831. TIRE TREAD. HAROLD D. REICHARD, Akron, Ohio. Filed May 18, 1923. Serial No. 6,185. Term of patent 3½ years.



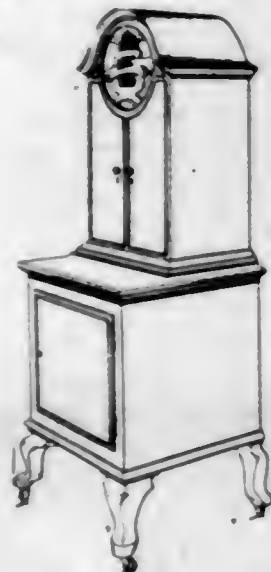
The ornamental design for a tire tread, as shown.

65,832. RESILIENT TIRE. ISIDORE J. F. REMARK, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 18, 1924. Serial No. 10,180. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

65,833. CABINET FOR SOUND-REPRODUCING MACHINE. EDWARD FIELD SANFORD, JR., New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Dec. 4, 1922. Serial No. 4,470. Term of patent 14 years.



The ornamental design for a cabinet for sound reproducing machine as shown.

65,834. PLATE. ROBERT M. SCHILLER, Chicago, Ill. Filed July 10, 1924. Serial No. 10,112. Term of patent 14 years.



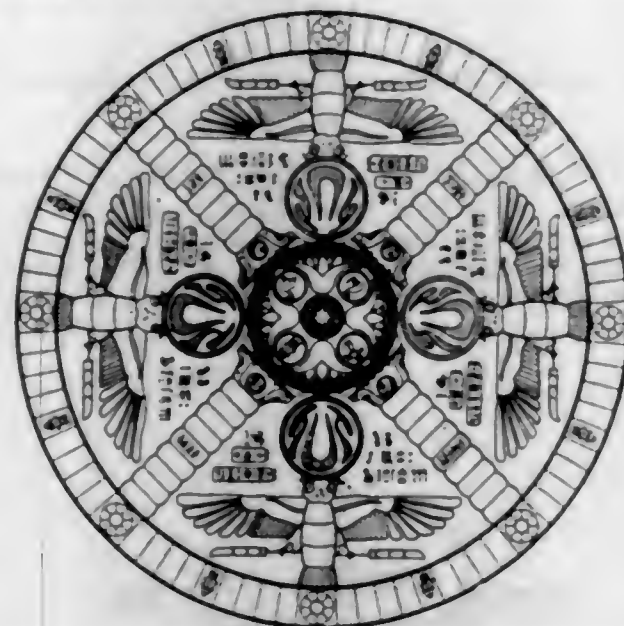
The ornamental design for a plate substantially as shown.

65,835. DOLL. SIGNE BEATRICE SHAW, Seattle, Wash. Filed Dec. 29, 1923. Serial No. 8,191. Term of patent 7 years.



The ornamental design for a doll, as shown.

65,836. GAME BOARD. WILTON M. SMITH, Yonkers, N. Y. Filed Apr. 9, 1923. Serial No. 5,728. Term of patent 3½ years.



The ornamental design for a game board, as shown.

65,837. PEDESTAL FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. SAMUEL SOBEL, Brooklyn, N. Y. Filed Aug. 4, 1924. Serial No. 10,373. Term of patent 3½ years.



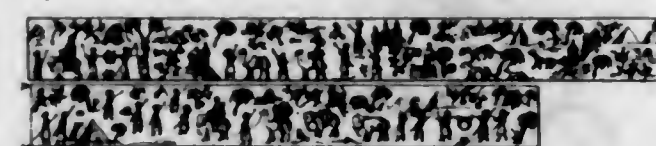
The ornamental design for a pedestal for lighting fixtures or similar articles, as shown.

65,838. DOLL. SARAH G. STEVENS, Elma, N. Y. Filed May 24, 1923. Serial No. 6,272. Term of patent 7 years.



The ornamental design for a doll, as shown.

65,839. METAL STRIP OR SIMILAR ARTICLE OF MANUFACTURE. DAVID STOLL, New York, N. Y. Filed Mar. 14, 1923. Serial No. 5,470. Term of patent 3½ years.



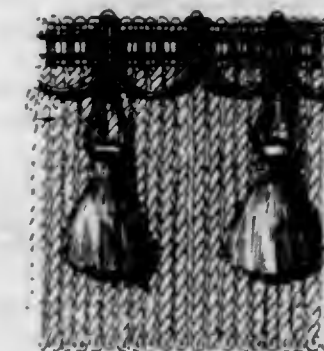
The ornamental design for a metal strip or similar article of manufacture as shown and described.

65,840. TEAPOT OR SIMILAR ARTICLE. MORRIS ABBOTT VAN NOSTRAND, New York, N. Y. Filed July 30, 1924. Serial No. 10,325. Term of patent 7 years.



The ornamental design for a teapot or similar article, as shown.

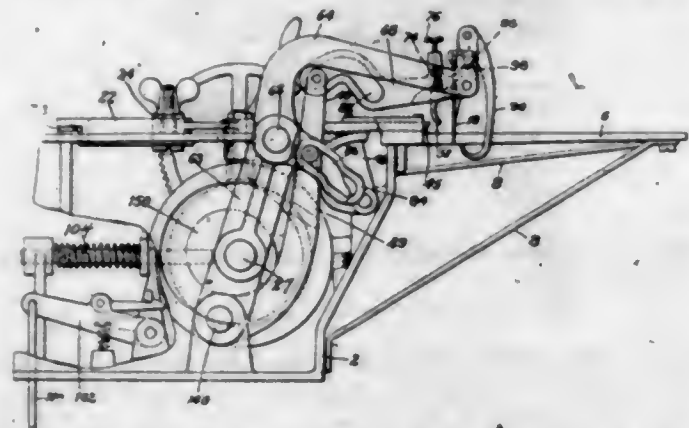
65,841. DRAPERY FRINGE. JOHN WOTOCEK, Chicago, Ill., assignor to E. L. Mansure Company, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1924. Serial No. 9,669. Term of patent 7 years.



The ornamental design for a drapery fringe as shown.

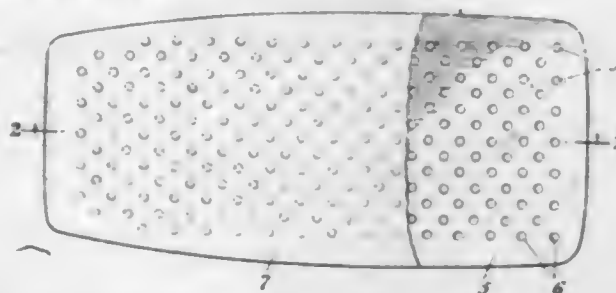
PATENTS GRANTED OCTOBER 21, 1924.

1,512,011. BUTTONING MACHINE. LEWIS J. BAZZONI, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 1, 1920, Serial No. 362,542. Renewed Mar. 20, 1924. 50 Claims. (Cl. 12—69.3.)



1. In a buttoning machine, the combination of a button guide having a slot to receive a plurality of buttons on a button piece and means movable substantially at right angles to the slot of the guide for engaging the buttons of the button piece and passing them successively into the buttonholes of a buttonhole fly.

1,512,012. AUTOMOBILE ROOF. HUBERT LEOPOLD BECHER, Trenton, N. J., assignor to The Agasote Millboard Co., Trenton, N. J., a Corporation of New Jersey. Filed Dec. 9, 1922. Serial No. 605,763. 2 Claims. (Cl. 226—137.)



2. A roof for closed vehicles and the like comprising a solid board body provided with perforations located at spaced intervals and a covering material secured in surface engagement with the outer surface of said body under tension to completely conceal said perforations from the outside.

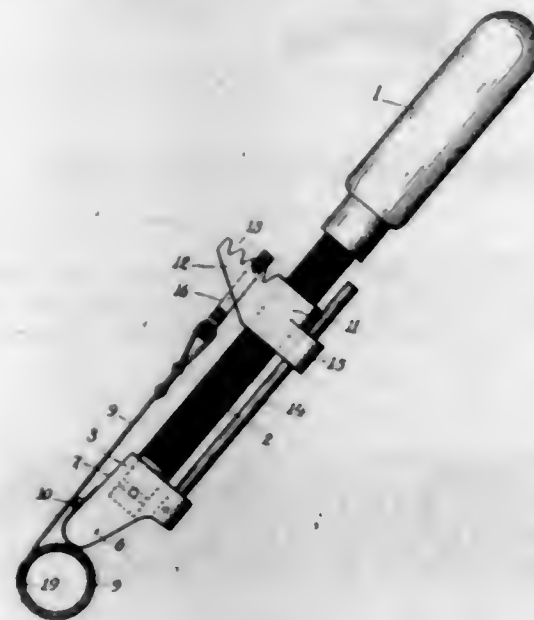
1,512,013. PROCESS FOR PRODUCING GLASS FORMS. OSCAR A. BOEHM, New York, N. Y. Filed July 28, 1922. Serial No. 578,085. 3 Claims. (Cl. 40—81.)



1. The process of producing glass forms having a bore which comprises heating a portion of a glass form having a bore open at one end and closed at the other thereby causing a contraction of the bore in the vicinity of the

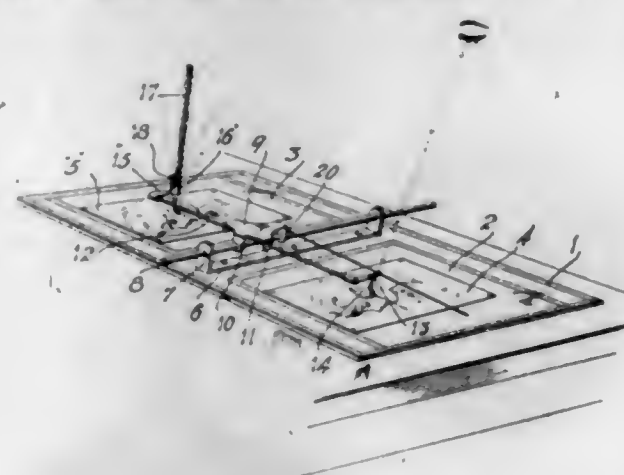
heating, causing a forming plunger to have a reciprocating movement within the bore during the heating operation and forming an opening in the closed end of the form.

1,512,014. STRAP WRENCH. GEORGE BRYAR, Boston, Mass.; assignor of three-fourths to Edwin W. Ford and one-fourth to James C. Flannery, both of Boston, Mass. Filed Dec. 15, 1921, Serial No. 522,454. Renewed Mar. 21, 1924. 1 Claim. (Cl. 81—65.)



A pipe wrench comprising a threaded shank, a head turning upon its end, an internally threaded collar mounted on said shank, and a strap terminally attached to said head and collar, said head having a rod rigidly projecting therefrom parallel with said shank, and said collar having an eye slidable on said rod.

1,512,015. DRAWING INSTRUMENT. OTTO BUTZ and WILLIAM E. DREYER, Newark, N. J. Filed Nov. 8, 1921. Serial No. 513,781. 6 Claims. (Cl. 33—23.)



1. An instrument of the character described including a support, a rod longitudinally slidable in said support, a member mounted on said rod normally movable therein with and adjustable longitudinally thereof, a second rod

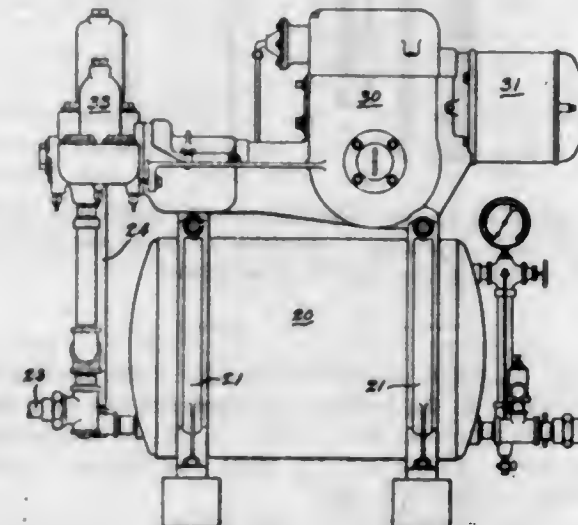
OCTOBER 21, 1924

U. S. PATENT OFFICE.

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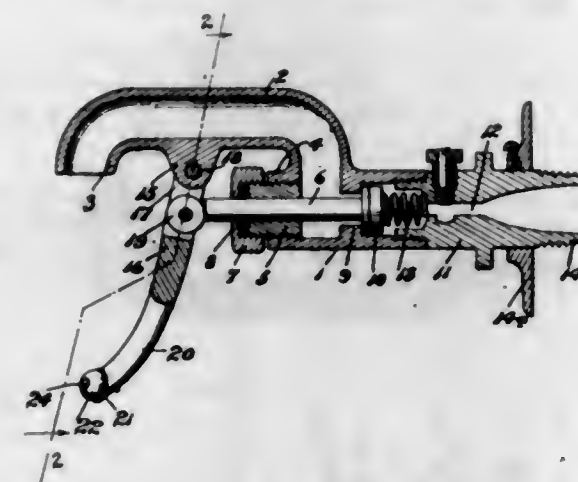
longitudinally slidable in said member transversely of said first-mentioned rod, a tracing element carried at one end of said second-mentioned rod, and a scribing element mounted at the other end of said second-mentioned rod.

1,512,016. PUMPING APPARATUS. GEORGE A. BUVINGER and CLARENCE WANNER, Dayton, Ohio, assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Nov. 18, 1921. Serial No. 516,159. Divided and this application filed Mar. 2, 1923. Serial No. 622,463. 9 Claims. (Cl. 103—218.)



1. A unitary structure comprising, in combination, a tank, a pump unit operatively connected with the tank, supporting brackets on opposite sides of the tank, and means for connecting the brackets to clamp said tank in position and for supporting said pump unit.

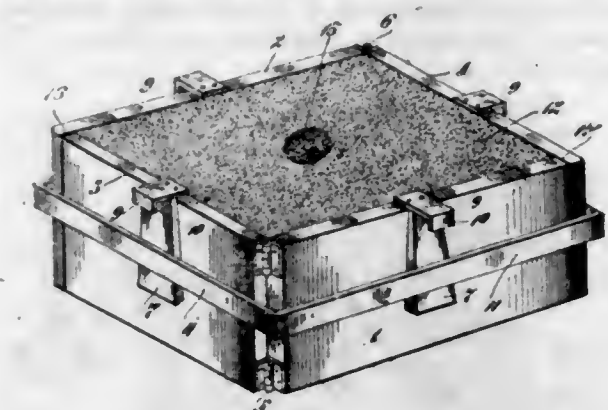
1,512,017. DRINKING-GLASS FILLER. WILLIS E. FIELD, Grand Rapids, Mich. Filed Dec. 18, 1922. Serial No. 607,499. 1 Claim. (Cl. 251—116.)



A device of the character described, comprising a body having a passage therethrough and an overhanging outlet member terminating in a downwardly turned nozzle, a lug cast on said outlet member, an operating member having two spaced apart legs at its end passing one to each side of the lug, a pivot passing through said legs and lug, a roller rotatably mounted between said legs a short distance from the lug, a valve normally closing the passage in the body, a valve rod extending from the valve and at its outer end bearing against the roller, said valve being moved to open position on operation of the operating member and pressure of the roller against the end of the rod, substantially as described.

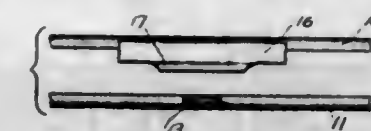
327 O. G.—33

1,512,018. STRIPPER BOX. PINKNEY P. FRAZER, St. Louis, Mo. Filed Sept. 11, 1922. Serial No. 587,323. 7 Claims. (Cl. 22—112.)



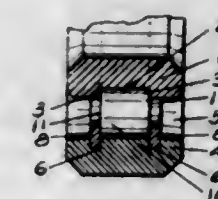
1. In a stripper box, the combination with a receptacle, divided into quadrantal detachable sections of oppositely disposed frame members, the sections on opposite sides being hinged to one another, each pair of hinged sections being adjustable as a unit, means for holding the hinged sections in a given relation to the face plates of the quadrantal sections.

1,512,019. BAG FASTENER. FRANZ A. FULLER, Newark, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed July 28, 1921. Serial No. 488,222. 3 Claims. (Cl. 150—29.)



2. A bag fastener comprising a hollow casing, a stepped plate held therein, a torsional spring disposed between said plate and casing, said spring having a single extending end adapted to engage one member of a bag frame, spaced prongs on said casing adapted to enter slots in the frame, means for securing said prongs after assembly, said prongs permitting a limited swinging motion to said casing, and means formed with said casing adapted to engage a keeper on the other member of the bag frame.

1,512,020. ROLLER BEARING. DAVID F. GRAHAM, Coudersport, Pa. Filed June 28, 1921. Serial No. 480,976. 3 Claims. (Cl. 64—39.)



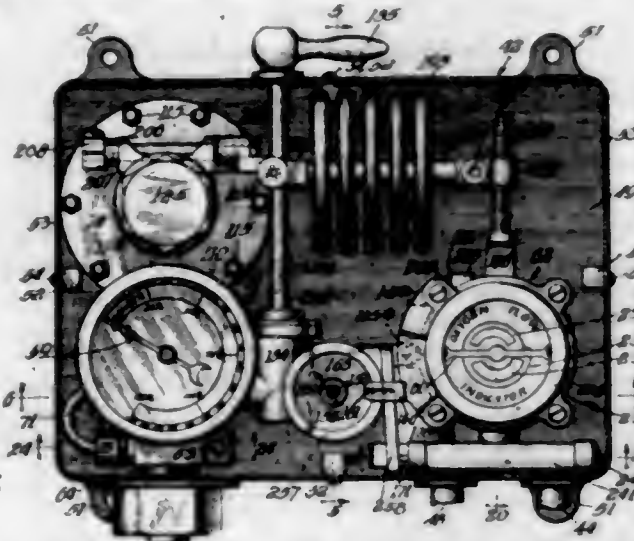
1. A roller bearing comprising outer and inner bearing members, the inner bearing member having a peripheral raceway provided with thrust shoulders at each end, the outer bearing member having a bore extending from end to end with spaced annular grooves therein, the part between the grooves constituting a raceway, bearing rollers coacting with said raceway and having flat ends coacting with the thrust shoulders of the raceway of the inner bearing member, and flat split retaining rings sprung into said grooves and having beveled lapping ends providing continuous thrust members for said rollers, the angles of the beveled ends of said rings being such that the beveled ends overlap for a substantial distance and the overlapping bevel may slide longitudinally upon the underlapping bevel in introducing and removing the ring from the groove.

1,512,021. KNIFE FOR VAMP-TRIMMING MACHINES. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 11, 1918. Serial No. 261,989. 4 Claims. (Cl. 12-83.5.)



1. A knife for vamp-trimming machines, consisting of an arcuate plate having a chisel-shaped blade portion, a relatively thick strengthening rib extending along one side edge thereof, and a portion projecting beyond the cutting edge of the blade portion and forming an extension of said rib to run on a stress-sustaining part of the machine.

1,512,022. ALTITUDE OXYGEN APPARATUS. WALTER H. HENDRICKSON, Chicago, Ill., assignor to A. C. Clark & Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1919. Serial No. 285,854. 30 Claims. (Cl. 137-153.)



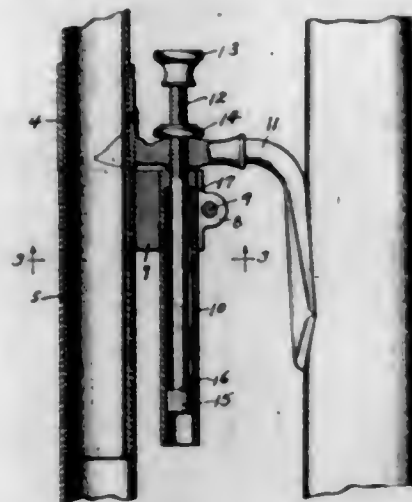
1. In an apparatus of the class described, the combination with a valve casing having an outlet and an entrance passage thereto, of a fixed nipple extending from said passage, a diaphragm dividing the casing into two parts, one part being hermetically sealed to prevent variations in atmospheric pressure affecting it, a member moved by the diaphragm carrying a closure for the nipple, and a spring co-operating with the diaphragm and tending to move it to open the nipple.

9. In an apparatus of the class described, the combination with means for supplying gas under a substantially constant pressure, of a controlling valve, means controlled by the atmospheric pressure for automatically opening said valve wider as the pressure decreases, and vice versa, connections between said supply means and the controlling valve, a by-pass around said controlling valve, and a full flow valve for said by-pass.

1,512,023. MUSICAL WIND INSTRUMENT. WILLIAM E. HIGGINS, Milwaukee, Wis., assignor to Frank Holton & Co., Elkhorn, Wis., a Corporation of Illinois. Filed July 23, 1921. Serial No. 486,955. 11 Claims. (Cl. 84-394.)

7. A musical wind instrument comprising a tuning slide and guides therefor; a bell tube; a base attached to said bell tube and one of said guides; a clamp fixed

on said tuning slide to move therewith; a tube clamped in said clamp; and a rod connected with said base and

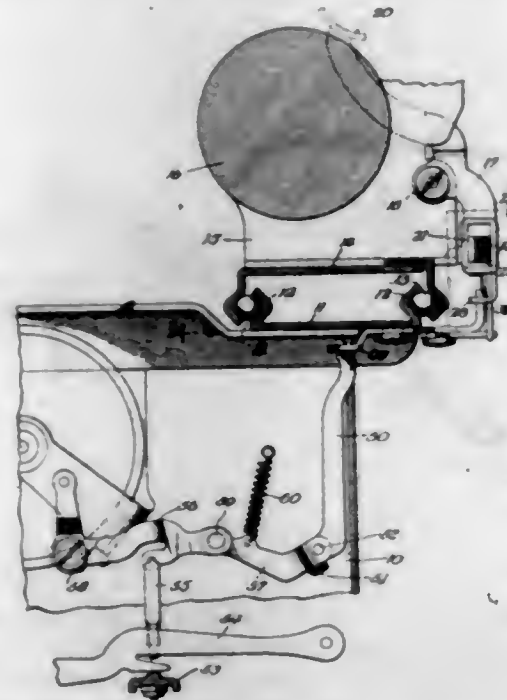


slidably mounted in the last-mentioned tube with means within the tube engaging a portion of said rod for serving as a limit stop for said tuning slide.

1,512,024. PLASTIC COMPOSITION. CARL D. HOCKER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1919. Serial No. 345,460. 11 Claims. (Cl. 106-23.)

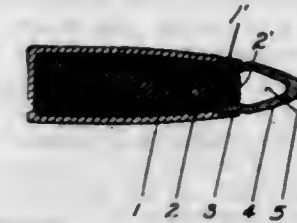
1. A molding composition comprising a filler and the product obtained by heating until partial carbonization has taken place a material capable of engendering organic acid and glycerine.

1,512,025. LINE-LOCK MECHANISM AND MARGIN STOP. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Aug. 25, 1921. Serial No. 495,329. 9 Claims. (Cl. 197-112.)



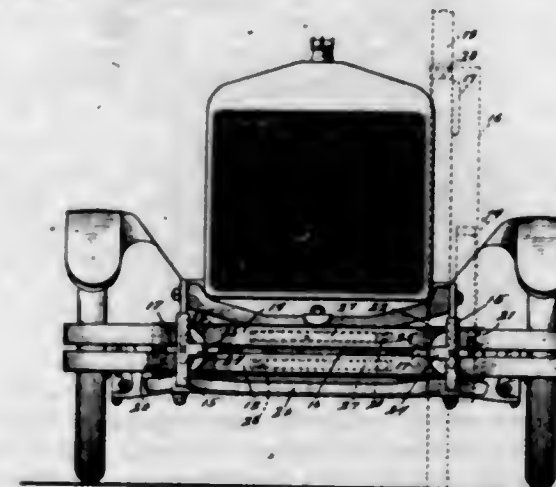
1. In a typewriter, a universal bar, an oscillatory member operated by said universal bar, a lever having a hook thereon for engaging said oscillatory member to prevent operation of said universal bar, a platen carriage movable on said typewriter, and means for actuating said lever to lock said oscillatory member when said platen carriage approaches the end of its travel.

1,512,026. BULLET. CHARLES LE ROY HOLDEN and WILLIAM KNEDLER, Kings Mills, Ohio, assignors to The Peters Cartridge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 17, 1922. Serial No. 582,538. 8 Claims. (Cl. 102-28.)



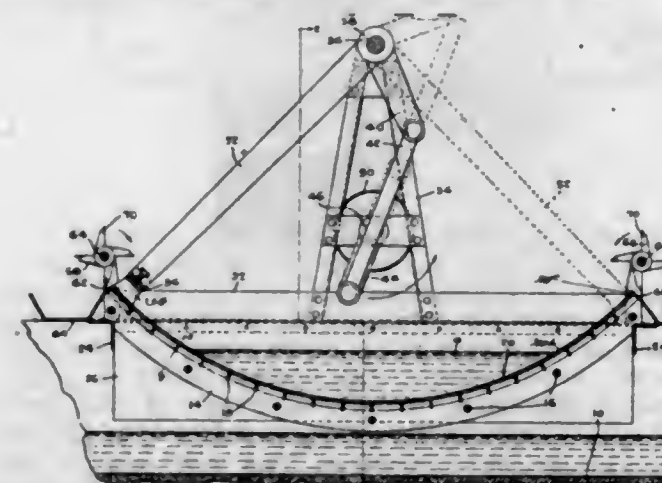
6. A bullet comprising a shell, a core disposed within the shell and having a depression in its front end, a thin protecting member disposed over the front end of the core in said shell with a portion thereof disposed in said depression, and a tip substantially conical in shape and hollowed out with the base portion thereof disposed between said shell and said thin protecting member, there being a fluid-tight joint between the tip and said shell and protecting member sealing a fluid in said recess and the hollow part of said tip.

1,512,027. COMBINED JACK AND BUMPER FOR AUTOMOBILES. GEORGE JANSSEN, Quincy, Ill. Filed Dec. 10, 1923. Serial No. 679,530. 15 Claims. (Cl. 293-55.)



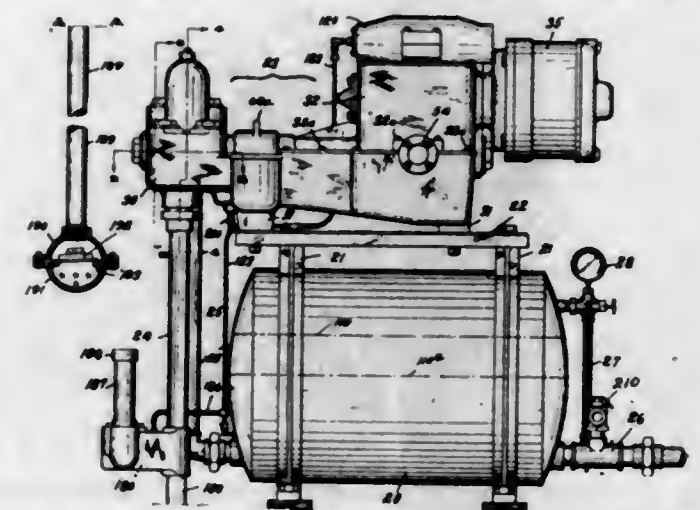
1. A guard for an automobile and means for supporting said guard in position to serve as a lifting lever for raising a portion of said automobile.

1,512,028. SEWAGE SCREEN. EDWARD E. JOHNSON, St. Paul, Minn. Filed Feb. 13, 1920. Serial No. 358,448. 10 Claims. (Cl. 210-152.)



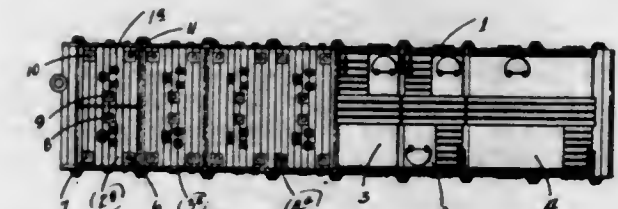
1. A water purification screen comprising a grating, a comb having teeth extending thru the slots in the grating, resilient means interposed between the base portion of said teeth, and means for moving said grating and comb relatively to each other while constantly maintaining said teeth in said slots.

1,512,029. WATER SYSTEM. CHARLES F. KETTERING and GEORGE A. BUYINGER, Dayton, Ohio, assignors, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed May 23, 1919. Serial No. 299,195. 7 Claims. (Cl. 103-25.)



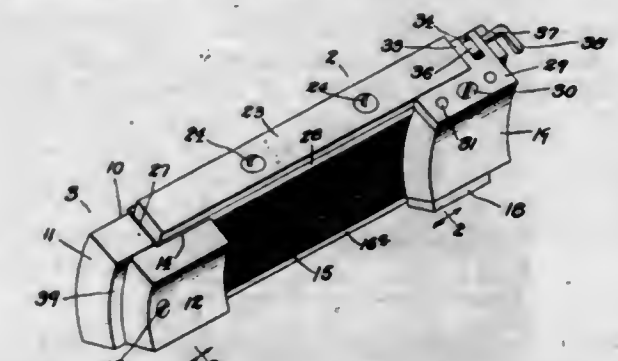
1. In a water system, the combination with a pump; of means for operating the pump; a tank into which the pump delivers water under pressure; connections from the pump to a water source including a check valve; and a bleeder connecting the tank with said connections between said check valve and pump so as to maintain said pump in a primed condition regardless of leaks in connections or check valve.

1,512,030. SYSTEM OF TRANSPORTATION. HENRY W. KIRCHNER, St. Louis, Mo. Filed July 25, 1921. Serial No. 487,309. 30 Claims. (Cl. 105-366.)



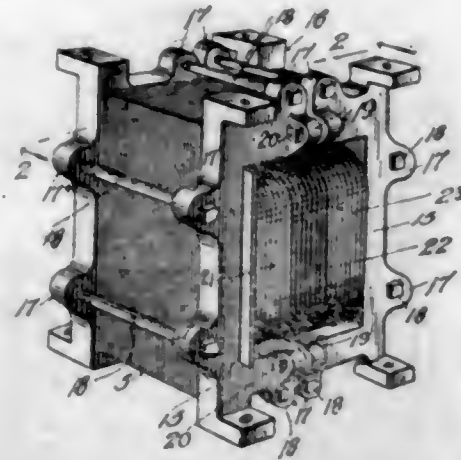
27. A carrier having oppositely movable fastening members whose paths of movements lie in parallel planes and both cross a line perpendicular to said planes.

1,512,031. WORKPIECE HOLDER FOR SAW-BLADE-MANUFACTURING MACHINES. ADOLF KÖNIC, Hoboken, N. J., assignor to Hans K. Lorentzen, New York, N. Y. Filed Aug. 28, 1918. Serial No. 251,763. Renewed Mar. 17, 1924. 10 Claims. (Cl. 76-25.)



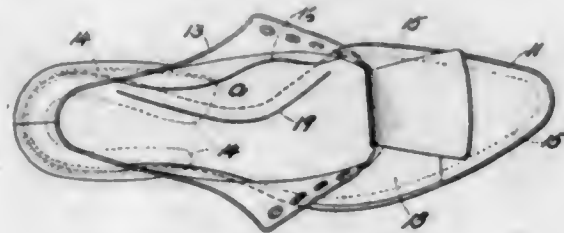
1. In a device of the class described, a body portion, a block secured to one end thereof, another block detachably secured to the other end of said body portion, means for retaining saw blade blanks between said blocks and said body portion, and means extending longitudinally of the body portion for holding said blanks firmly in such position.

1,512,032. TRANSFORMER. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 19, 1919. Serial No. 298,036. 6 Claims. (Cl. 175-356.)



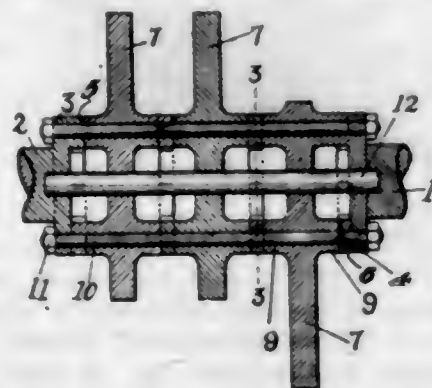
5. A transformer comprising a coil and independently assembled and separable core units for said coil, each unit including a stack or pile of laminations, means disposed wholly externally to the stack or pile for clamping the laminations contained therein together, and means also disposed externally to said stacks or piles to detachably clamp the clamping means of said core units together.

1,512,033. BOOT AND SHOE. ALEXANDER E. LITTLE, Lynn, Mass., assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass., a Corporation of Massachusetts. Filed Aug. 5, 1922. Serial No. 579,935. 3 Claims. (Cl. 36-71.)



1. A boot or shoe including an upper, an outsole and an insole, the insole having on the side thereof a saddle between the ball and heel which extends beyond the outsole, a welt which stops short adjacent the front end of the saddle, and a counter overlapping the saddle for a portion of its length, said parts being secured together along the inside of the shank by a lock stitch seam extending all the way through said insole, outsole, upper, and counter.

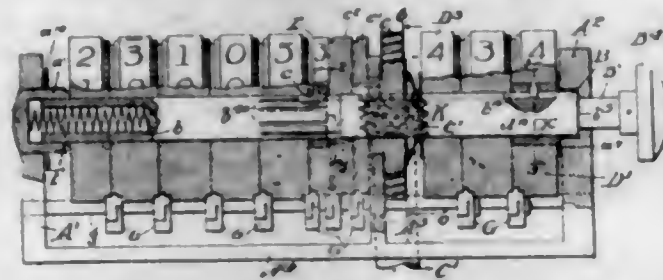
1,512,034. CAM AND SPINDLE CONSTRUCTION. SAMUEL W. LUTWIELER, Rochester, N. Y. Filed July 9, 1923. Serial No. 650,398. 7 Claims. (Cl. 74-1.)



5. The combination with a divided spindle including end plates, of a plurality of cams located between the end plates and provided with annular locking portions

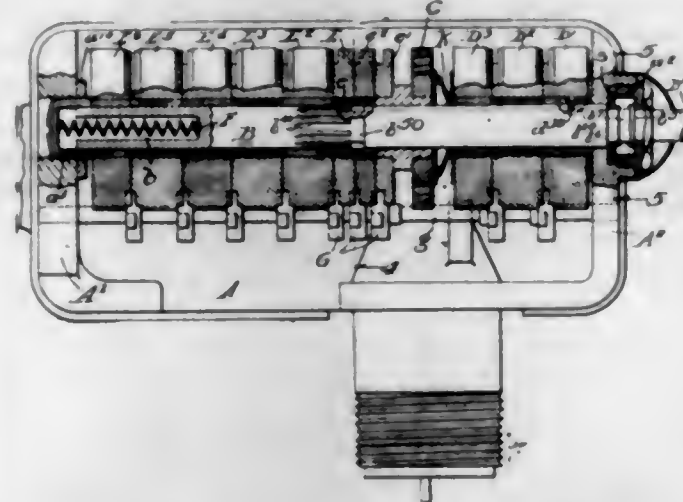
on opposite sides including alternately arranged recesses and projections for interlocking cooperation with adjacent locking portions, the end plates having corresponding locking portions for engagement with the adjacent cams, a guide-rod aligned centrally of and supported in the opposite portions of the spindle, said rod passing through openings in the cams, and attaching rods extending through openings in the annular locking portions of the cams and end plates for securing said parts together.

1,512,035. ODOMETER. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Dec. 27, 1921. Serial No. 524,895. 6 Claims. (Cl. 235-97.)



2. A revolution counter comprising in combination with a frame structure, a main central integral shaft supported in said frame; a decimal series of counter wheels, all carried side by side on said shaft; a gear on said shaft, and driving connections independent of the rotation of said shaft from said gear to the lowest denomination wheel of the counter train, and to said central shaft; means for driving said gear meshing directly therewith; said central shaft being longitudinally movable in said frame and disengageable from said driving connection by such movement, and means for holding the counter wheels against lateral displacement in such movement of said shaft.

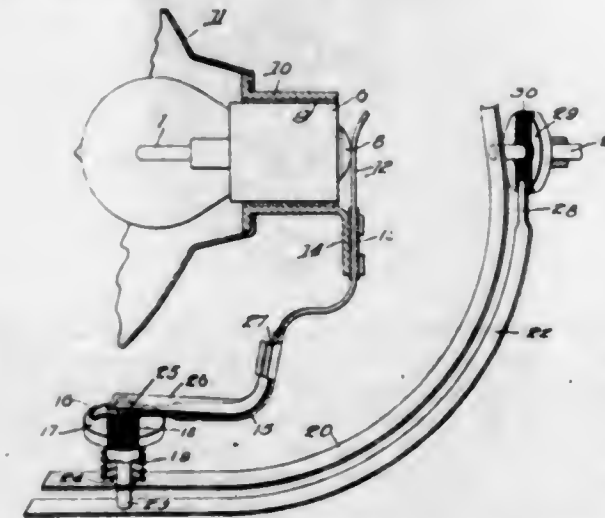
1,512,036. ODOMETER. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Feb. 1, 1922. Serial No. 533,175. 3 Claims. (Cl. 235-97.)



1. In a resetting device for a revolution counter in combination with a frame structure, a main central shaft supported in said frame; two decimal series of counter wheels on said shaft, the several wheels of each series being side by side on the shaft; a driven gear on said shaft, and driving connections from said gear to said shaft and also to the lowest denomination wheel of one of the series of counter wheels, the lowest denomination wheel of the other series being engaged with said shaft for rotation thereby, both of said shaft engagements being sliding, the first adapted for disengagement upon a predetermined sliding movement of the shaft and the second adapted for continuous engagement throughout

the sliding movement, and means for preventing lateral displacement of the counter wheels in said longitudinal movement of the shaft; whereby such longitudinal movement of the shaft disconnects it as to rotation both from the driven shaft and from the first mentioned series of counter wheels without disengagement from the second series.

1,512,037. AUTOMATIC LIGHT CONTROL FOR ADJUSTABLE SEARCHLIGHTS. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Jan. 24, 1923. Serial No. 614,557. 5 Claims. (Cl. 240-61.)



1. An electric searchlight for vehicles comprising a lamp body and lamp holding means thereon; a support on which the lamp body is mounted for angular adjustment, the support being mounted for angular adjustment in a plane at right angles to that of the first mentioned adjustment, one of said adjustments being about a vertical and the other about a horizontal axis; an electric circuit in which the lamp is energized comprising contacts carried by the parts respectively at said joints respectively positioned for separation to interrupt the circuit throughout predetermined angular ranges of said adjustments respectively, the circuit being shunted in parallel through said two pairs of contacts respectively whereby co-incident adjustment about said vertical and horizontal axes to said angular ranges respectively causes extinguishment of the lamp.

1,512,038. FIXTURE STUD. FRANK A. PRICE, St. Louis, Mo. Filed Oct. 27, 1919. Serial No. 333,511. 3 Claims. (Cl. 240-85.)

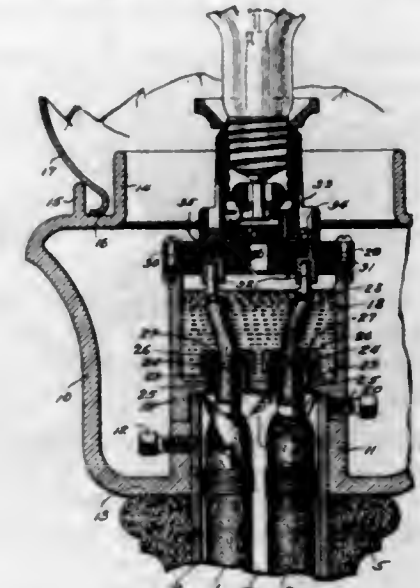


1. A fixture stud comprising a central hanger portion, a bendable portion, a plurality of engaging elements in approximately parallel relation carried by the bendable portion and adapted to be moved out of said parallel relation on the flexing of the bendable portion whereby the stud may be fixed to an outlet box.

1,512,039. STREET-LIGHTING ACCESSORY. JOHN BODEN RADFORD, Valeria, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 12, 1921. Serial No. 436,778. 8 Claims. (Cl. 247-6.)

1. An electric lighting fixture comprising a standard having a passage therein adapted to receive cables, a

tubular member projecting beyond the top of the standard and communicating with the passage therein and a terminal box having a depending annular flange adapted



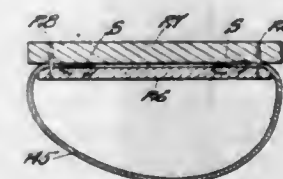
to fit over the tubular projecting member, and adapted to receive and clamp wrappings of cables between it and the said tubular member.

1,512,040. STAPLE. JAMES H. REED, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 2, 1923. Serial No. 616,622. 2 Claims. (Cl. 85-49.)



1. A staple comprising a substantially straight wire body provided at each end with a prong, said prongs curving toward one another and the free ends thereof converging in the direction away from said body.

1,512,041. BOOT OR SHOE. JAMES H. REED, Swampscott, Mass., assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1923. Serial No. 616,623. 7 Claims. (Cl. 36-19.)

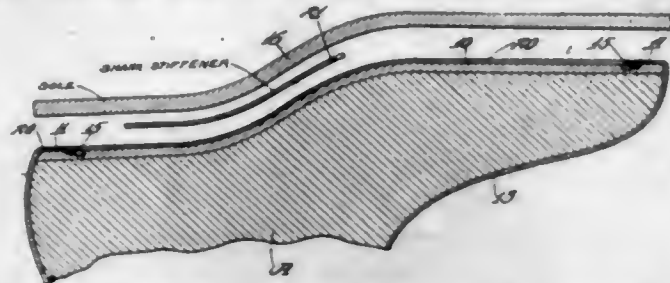


5. A shoe having an intact insole, an upper having its edge lying flat on the bottom face of the insole, permanent fastening means securing the edge of the upper to the insole, said fastening means comprising staples having shanks penetrating the insole only part way, an outsole, and through-and-through stitching passing through the insole, upper and outsole and securing all three together.

1,512,042. METHOD OF SHOEMAKING. JAMES H. REED, Swampscott, Mass., assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass., a Corporation of Massachusetts. Original application filed Feb. 2, 1923, Serial No. 616,623. Divided and this application filed Oct. 19, 1923. Serial No. 669,583. 6 Claims. (Cl. 12-142.)

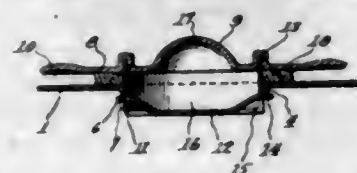
6. The herein described method of making shoes which includes assembling an insole and upper on the last,

lasting the shoe and tacking the upper to the insole and last, inserting staples to secure the upper to the insole and clinching them within the substance of the insole,



removing the tacks, applying the outsole, removing the last, and sewing the insole, outsole and upper together by a through-and-through lock-stitch seam.

1,512,043. CAP CLOSURE. JAMES S. REID, Cleveland, Ohio, assignor to The Easy-On Cap Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,974. 4 Claims. (Cl. 220-40.)



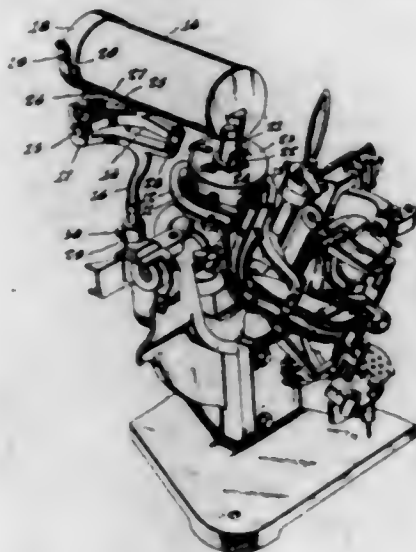
1. A closure device for containers having spaced recesses and cam portions, comprising a cap member having a top portion and a hollow cup-shaped locking portion providing an air chamber within said cup-shaped portion, said top portion being provided with a vent affording communication between the outside atmosphere and said air chamber, and said cup-shaped portion being provided with outwardly extending sheared fingers adapted to enter the recesses of the container and engage the cam portions thereof upon relative rotation of said cap member and said container, the formation of said sheared fingers providing an air vent which affords communication between the inside of the container and the air chamber within said cup-shaped portion.

1,512,044. CASING OR COVER FOR PNEUMATIC-TIRE VALVE STEMS. WILLIAM R. ROYER, Wilkes-Barre, Pa. Filed Aug. 17, 1923. Serial No. 657,909. 7 Claims. (Cl. 152-12.)



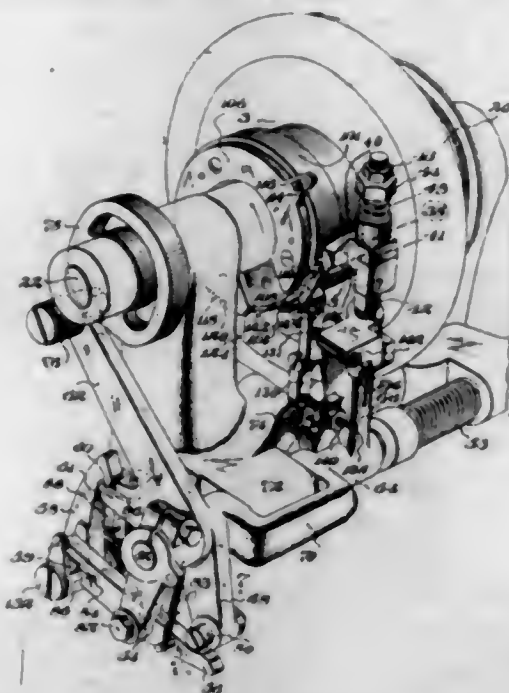
7. A casing or cover for a valve stem comprising an outer sleeve and a telescoping inner sleeve, having rib and groove interengaging means to hold the sleeves in various positions of adjustment relative to each other, the interengaging means on the inner sleeve being formed on spring tongues to permit yielding of the same during adjustment and said inner sleeve being adapted to fit the valve stem whereby to prevent yielding of said spring tongues when the casing or cover is mounted on the valve stem.

1,512,045. FASTENER-SUPPLYING RESERVOIR. FRED A. RUMNEY, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 5, 1920. Serial No. 421,906. 3 Claims. (Cl. 218-15.1.)



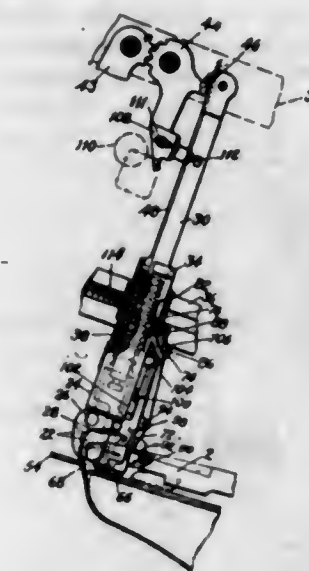
1. The combination with a hopper of a fastener-setting machine, which hopper has a fastener-receiving port, of a fastener-supplying reservoir pivotally mounted independently of the hopper and having a portion formed and arranged to cover said port, said portion having a passageway for discharging fasteners through said port, and a spring arranged to act on the reservoir so as to maintain said portion in cooperative relation to the hopper.

1,512,046. STARTING AND STOPPING MECHANISM. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 14, 1918. Serial No. 266,756. 28 Claims. (Cl. 192-144.)



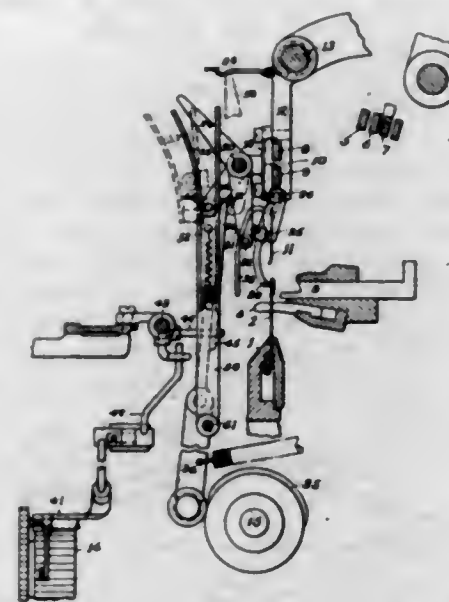
1. A starting and stopping mechanism comprising a driving member, a driven member, a clutch for connecting the driving and driven members, movable means under the control of the operator for rendering the clutch operative, and automatic means for disengaging the clutch at a predetermined point in the cycle of the driven member, said automatic means being operative when the movable means is moved to one position and being inoperative when the movable means is given a more extended movement to a second position.

1,512,047. MACHINE FOR WORKING UPPERS OVER LASTS. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 19, 1920. Serial No. 352,324. 68 Claims. (Cl. 12-4.)



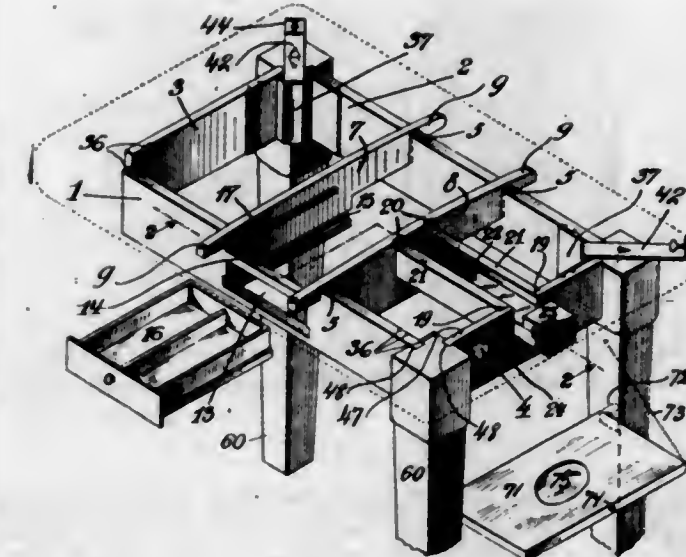
1. In a machine of the class described, the combination with means for laying the margin of an upper inwardly over a sole on a last, of an upper engaging presser device arranged to be positioned on the sole and having an upper engaging face formed to project from the sole outwardly over the overlaying means on the opposite side of said means from the margin of the sole to bend the margin of the upper outwardly over said means in the overlaying operation, an automatically controlled means for maintaining said presser device in operative position and for withdrawing it to permit the fastening of the upper.

1,512,048. LOOP-REGULATING ATTACHMENT FOR FULL-FASHIONED-KNITTING MACHINES. FRIEDRICH HERMANN STOEHRER, Wyomissing, Pa., assignor to The Nolde & Horst Co., Reading, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,574. 10 Claims. (Cl. 66-30.)



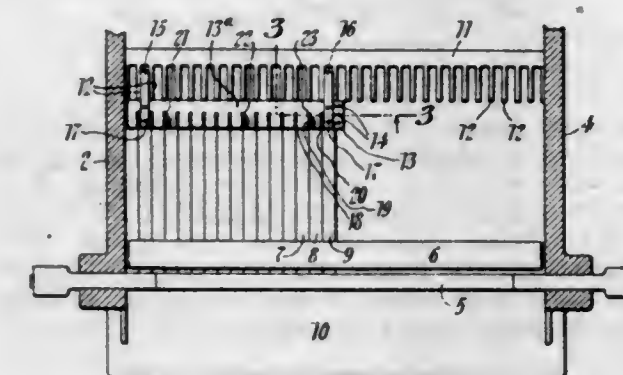
1. In a full fashioned knitting machine comprising needles, sinkers and yarn guide, a needle presser device and means for periodically actuating the same so as to cause it to operate upon determined needles only during each successive yarn-laying traversings of said guide to bend said determined needles and thereby lengthen the yarn loop formed thereon.

1,512,049. TABLE. SIDNEY YOUNG SULLIVAN, Newark, N. J. Filed Jan. 26, 1922. Serial No. 531,866. 8 Claims. (Cl. 45-17.)



1. The combination of a wooden table frame, upwardly curved top supporting members fitted into said frame, a metal top adapted to rest upon said upwardly curved top supporting members and holding members for securing said frame and top together at the corners thereof.

1,512,050. STACK SUSTAINING AND SEPARATING DEVICE. JOHN W. TOWNSEND, New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1923. Serial No. 665,620. 4 Claims. (Cl. 164-54.)

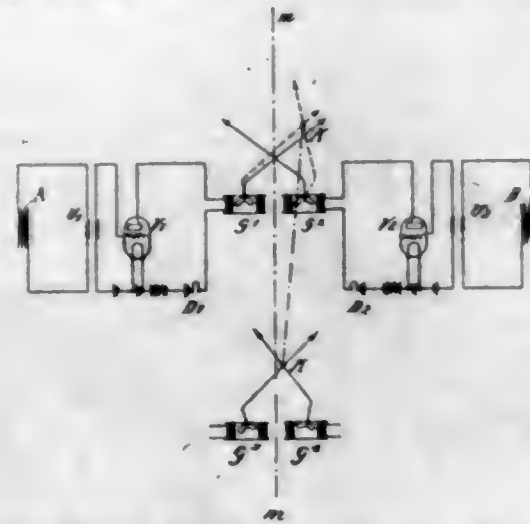


1. In a device of the character specified the combination of a frame adapted for engaging the top and end of a plurality of stacks of strips arranged side by side, means for holding said frame in operative position, said frame having a vertical slot therethrough, and a blade having a thickness adapted for filling said slot widthwise, said blade being adapted for penetrating downwardly between two adjacent stacks for separating said stacks and for maintaining them in position.

1,512,051. ELECTRIC STEERING COMPASS. LUDWIG REILSTAB, Zelst, Netherlands, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Nov. 20, 1920. Serial No. 425,584. 5 Claims. (Cl. 177-385.)

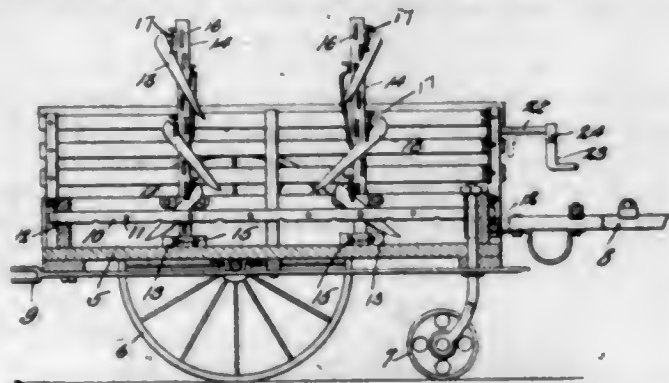
1. In radio pilot cable systems for vessels, having a pilot cable disposed on the fairway bottom and supplied with alternating current, in combination at least one pair of receiver loops, one loop disposed on each side of the vessel to be piloted, the circuit of each loop including means for amplifying and rectifying the alter-

nating currents induced in said loop by said cable current and an indicating instrument having a pilot line extending through the longitudinal center of said indi-



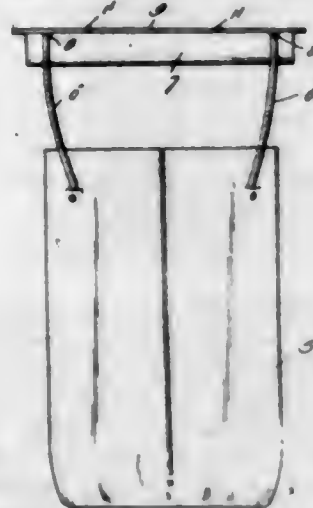
cating instrument and means connected with said loop circuits for directly visibly indicating by the joint action of said loop currents the position of the vessel relatively to the cable.

1,512,052. HAY DRIER. ROBERT CHRISTOPHER RICHARDSON, Munfordville, Ky. Filed May 31, 1922. Serial No. 565,001. 2 Claims. (Cl. 98-26.)



1. In a hay drying machine, a wheeled body, horizontal perforated air conducting pipes arranged in the bottom of the body, vertical perforated pipes mounted in the body, flexible elements depending from the vertical pipes, a ventilator finger suspended from each of the flexible elements adapted to engage in the hay to conduct air into the same, said fingers being U-shaped in cross section and tapering toward one end.

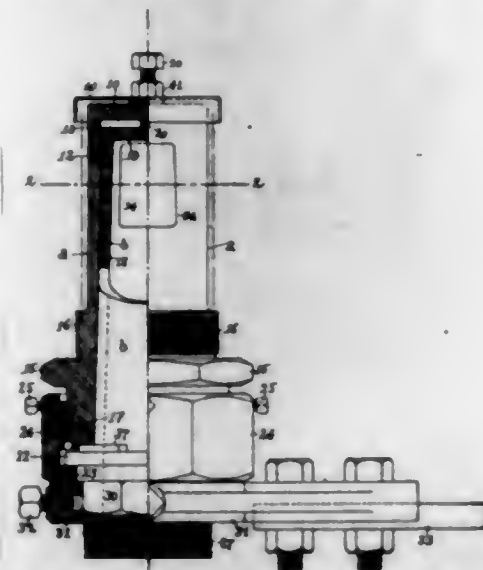
1,512,053. MARKET-BAG CARRIER. CHARLES RIDLINGHAFFER, Seattle, Wash. Filed May 29, 1923. Serial No. 642,202. 2 Claims. (Cl. 229-52.)



1. In combination with a market bag, wherein the same is provided at its upper end with a pair of cord handles, a carrier comprising a rod section formed ad-

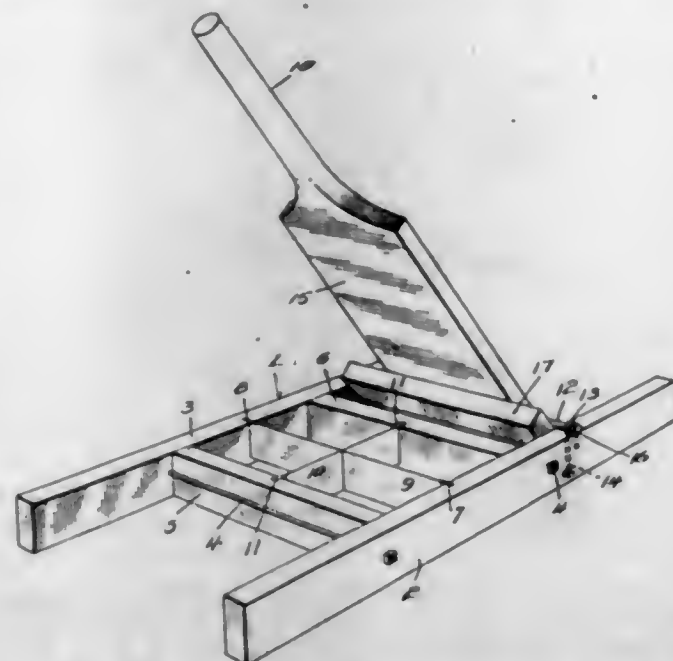
jacent its opposite ends with circumferential grooves adapted for receiving the cord handles of said bag and releasable means for maintaining said handles within said grooves.

1,512,054. VALVE. WILLIAM W. RONEY, Sewickley, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 7, 1920. Serial No. 415,422. 4 Claims. (Cl. 137-21.)



4. In a valve, in combination, a casing open at one end and provided with a head at its opposite end and having an internal bore tapering from the outer end toward said head and provided with an externally threaded portion, a movable hollow member provided with an external tapering surface co-operating with the tapering bore of said casing and projecting beyond the open end of said casing and provided with a flange, a nut co-operating with said flange and with the externally threaded portion of said casing and through which said hollow member is extended, and an adjustable stop carried by said casing and co-operating with said movable member to limit the movement of the latter by said nut, said movable member and said casing having co-operating ports.

1,512,055. SEED-POTATO CUTTER. ERNEST ROSENTHAL, Hamburg, Iowa. Filed June 4, 1924. Serial No. 717,764. 1 Claim. (Cl. 146-169.)



A potato cutter comprising parallel-sided body members, parallel-sided cross bars interposed between the side members and holding the side members in parallel

relation, the upper edges of the side members and the cross bars lying in the same plane, the said side members and cross bars being provided at their inner sides with recesses, knife blades arranged in cruciform relation and having their end portions received in the recesses, a rod disposed transversely across the side members and bridging the space between them, U-bolts passing through the side members and engaging over the end portions of the rod, a lever pivoted upon the intermediate portion of the rod and adapted to swing over the knife blade and a block fixed to the lever and having its ends in close proximity with the inner surfaces of the side members and adapted to lie between the side members and beyond the cross bars when the lever is disposed toward the knife blade.

1,512,056. PUMPING JACK AND DRIVING MEANS FOR SAME. HENRY W. RUNNING, Loretta Township, Grand Forks County, N. Dak. Filed Apr. 20, 1923. Serial No. 633,453. 2 Claims. (Cl. 74-14.)

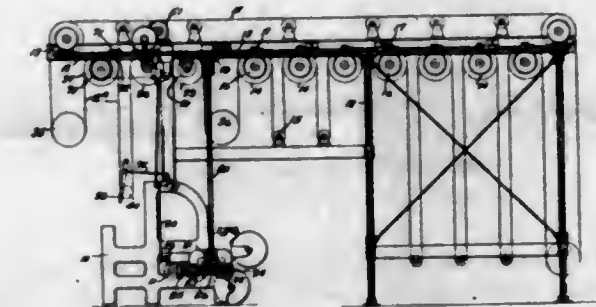


1. In a device of the kind described, a well pump having a tubular body arranged above the well, a horizontally disposed frame resting upon the top of said body, a divided ring secured about the body below the horizontal frame and having diametrically opposite lugs with inverted notches, V-shaped braces engaged in said notches and having their ends extended upward through the horizontal frame and provided with nuts bearing upon the frame, a mechanism frame fixed upon the horizontal frame and having journal bearings and a fixed stub shaft, a crank journaled in said bearings and operatively connected with the pumping rod of the pump, a gear fixed on the crankshaft, a pinion rotatable on the stub shaft, a flywheel and a pulley secured to the pinion, an endless belt on the pulley and a motor having a pulley driving said belt.

1,512,057. TUBE-CHAIN-DRIVING MECHANISM FOR CARPET LOOMS. EPPA H. RYON, Waltham, and WILLIAM W. ROBERTSON, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 3, 1923. Serial No. 655,544. 8 Claims. (Cl. 139-9.)

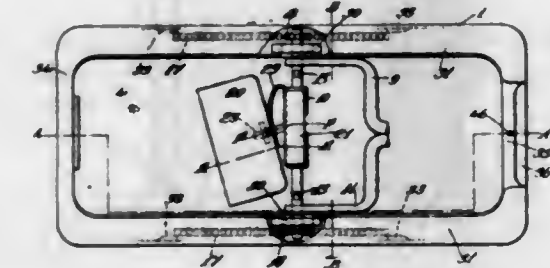
1. In a carpet loom, loom driving mechanism, a tube chain comprising a main portion and a slack portion, connections from said driving mechanism to drive said

main portion of said chain continuously, connections from said mechanism to drive said slack portion of said chain intermittently, and additional auxiliary driv-



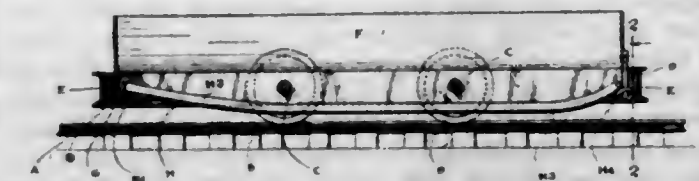
ing means effective to move said main chain portion in either direction while said loom driving mechanism remains at rest.

1,512,058. DEVICE FOR SHARPENING SAFETY-RAZOR BLADES. PIERO MARIANO SALERNI, Sydenham Hill, London, England. Filed Jan. 21, 1922. Serial No. 530,849. 19 Claims. (Cl. 51-153.)



5. A device for use in sharpening safety razor blades, comprising in combination, a body part, whetting material, a reciprocable carrier for the razor blade, means to reciprocate the said carrier, means to automatically rock the blade at the end of each stroke of the carrier, a pin carried by the said carrier to engage in a hole in the razor blade and formed to constitute one part of a bayonet-joint-like connection between the said pin and the razor blade.

1,512,059. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed May 13, 1921. Serial No. 469,213. 5 Claims. (Cl. 214-63.)

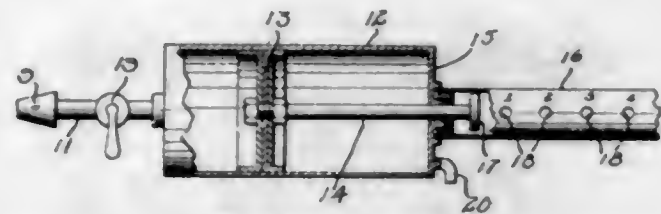


1. The combination of a car body, axles extending across and supporting said body, wheels carrying said axles, a relatively long bottom door extending under said axles and hinged by one end to one end of the car body and having its other end upturned and reaching to the other end of the car, and latch mechanism for engaging said upturned end of the door, substantially as described.

1,512,060. MEANS FOR HANDLING GREASE COMPOUNDS. EARL TORIAS SCHMUCKER, Rapid City, S. Dak. Filed June 2, 1922. Serial No. 565,476. 2 Claims. (Cl. 221-78.)

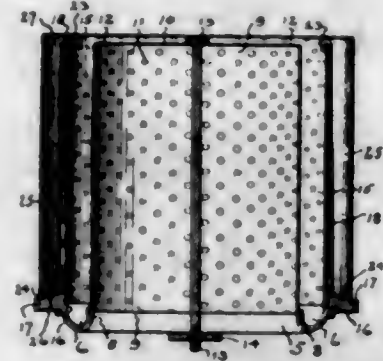
2. A grease gun comprising a grease containing casing having an outlet nozzle, said casing adapted to be filled with grease through said nozzle, a plunger slidably

disposed within said casing and having a stem projecting through said casing, means for selectively engaging with said said stem to determine the outward movement



of said plunger, said plunger adapted to be moved by the grease entering the casing, and a valve for closing the inlet nozzle.

1,512,061. OIL-STOVE BURNER. MAURICE C. SHELTON, Indianapolis, Ind., assignor to Shelton Vapor Stove Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 8, 1924. Serial No. 697,918. 3 Claims. (Cl. 158-87.)

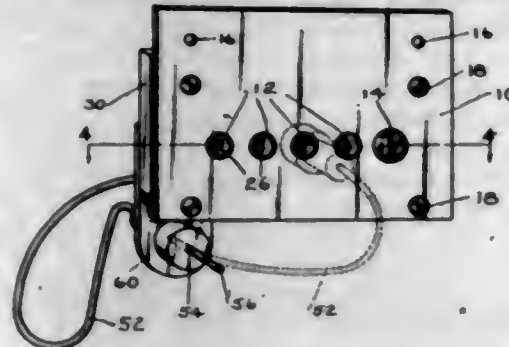


3. In a burner for stoves and heating units employing liquid hydrocarbon fuels, a supporting frame member; a burner base having an annular channel adapted to receive and hold liquid-fuel; a fuel supply pipe secured to said base; an inner cylinder open at its bottom and resting on a shoulder formed in said base, said cylinder having a plurality of perforations in its wall and having a top secured to it, said top having a single annular row of holes near its outer edge; a bolt passing through the top of said inner cylinder and through said frame member; an outer cylinder being open at both ends and resting on a shoulder in said base such that the channel of said base is between said inner cylinder and said outer cylinder, said outer cylinder having a plurality of perforations through its wall; a plurality of arms projecting from said base; an outer cylindrical shell of a diameter greater than that of said outer cylinder, said outer shell having its lower end resting on said arms; an inwardly projecting lip to contact said outer cylinder top edge, said lip having a single row of holes near the line of contact of said lip with the said outer cylinder; and a plurality of fasteners hooking under said arms and over the top edge of said outer cylinder, said fasteners being substantially narrow U shaped, expanding above their middle portion into a wider U shape to give a form whereby the fasteners may be vertically elastic to a limited degree.

1,512,062. SPARK TESTER. EMMETT M. SIMS, Louisville, Ky. Filed June 29, 1923. Serial No. 648,413. 3 Claims. (Cl. 175-183.)

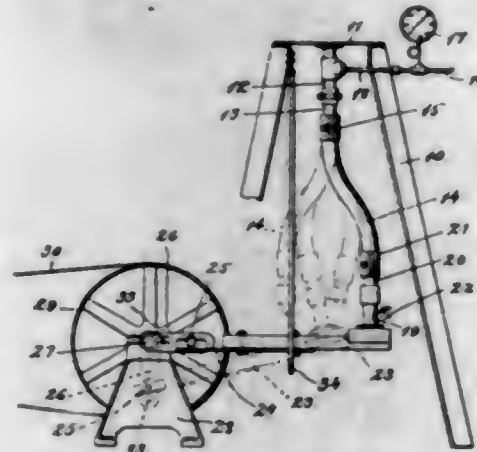
1. A spark tester for automobiles including in combination a panel board, a spark gap mounted thereon, a plurality of binding posts on the panel board adapted for connection with the current distributor, a corresponding number of binding posts adapted for similar connection with the spark plugs, current conducting means in the panel board adapted to connect said binding posts and means for selectively grounding said current conducting means, said means comprising a flexible

current conducting cord having one terminal connected to one side of the spark gap and having its other terminal adapted to be selectively put into connection with



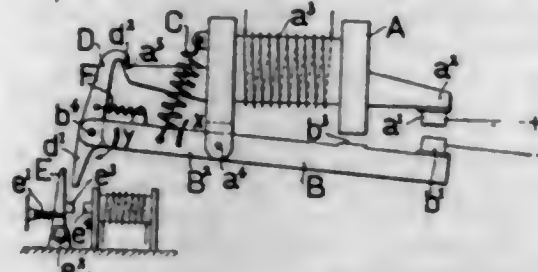
any one of the aforesaid current conducting means, and a ground wire leading from the terminal of the spark gap opposite to that fitted with said current conducting cord.

1,512,063. METHOD AND APPARATUS FOR TESTING HOSE. JOHN C. SPROULL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 2, 1921. Serial No. 497,876. 8 Claims. (Cl. 73-51.)



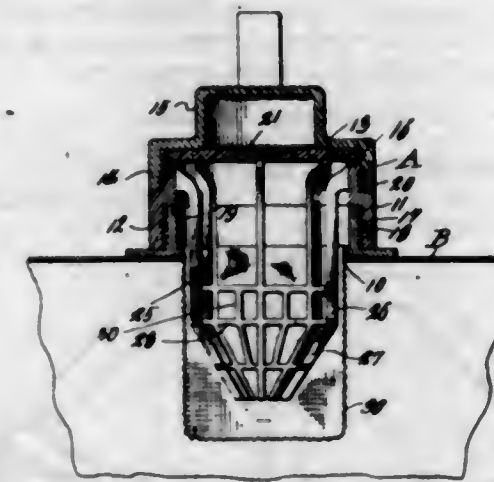
1. The method of testing hose which comprises maintaining superatmospheric fluid pressure within a test piece of the hose while repeatedly and rapidly imparting to one end thereof combined laterally reciprocating and angular movements.

1,512,064. AUTOMATIC ELECTROMAGNETIC SWITCH. HERMANN SUNDHAUSEN, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 31, 1921. Serial No. 457,315. 4 Claims. (Cl. 200-106.)



1. An automatic electromagnetic switch comprising a fixed and a movable switch element, an electromagnet, an armature for said electromagnet pivotally mounted and influenced by said electromagnet, said armature carrying said movable switch element, a locking device for holding said armature in open circuit position, said locking device embodying a locking lever pivotally secured to said armature and a releasing device for displacing said locking arm, said locking arm being situated in the path of said releasing device when said armature is in its open circuit latched position.

1,512,065. GASOLINE-TANK APPLIANCE. HOWARD C. TAYLOR, Salt Lake City, Utah. Filed Mar. 31, 1923. Serial No. 629,043. 7 Claims. (Cl. 220-86.)



1. The combination with a storage tank embodying a filling opening, of a heavy rigid guard member associated with said filling opening for permitting of the filling of the tank through said opening and the preventing of the insertion of a tube or the like through said opening.

1,512,066. SET SHOE. WILLIAM H. TAYLOR, Beaumont, Tex. Filed Mar. 13, 1923. Serial No. 624,795. 8 Claims. (Cl. 166-9.)

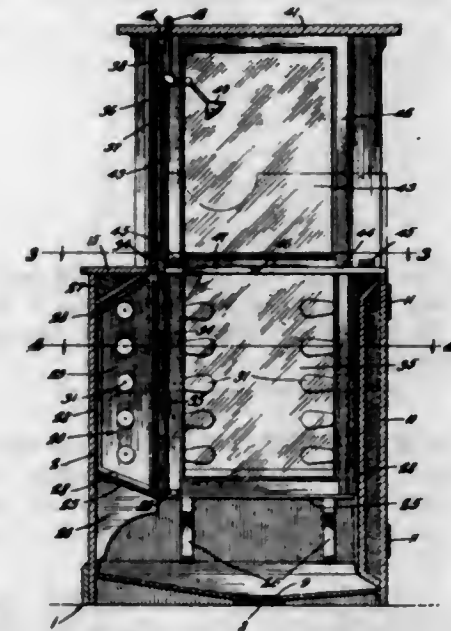


1. The combination with a well-strainer and a discharge tube to which the same is connected; of a set-shoe connected to the bottom of the strainer, said shoe consisting of upper and lower sections connected for a relative sliding movement, frangible coupling means locking the sections against such movement, a valve in one of the sections, and a seat for the valve in the other section, said valve being open when the sections are locked, and closing by the relative sliding movement thereof.

1,512,067. HYDROLIGHT CABINET. HANS J. THOMSEN, Neosho, Mo. Filed Sept. 2, 1922. Serial No. 585,919. 3 Claims. (Cl. 174-87.)

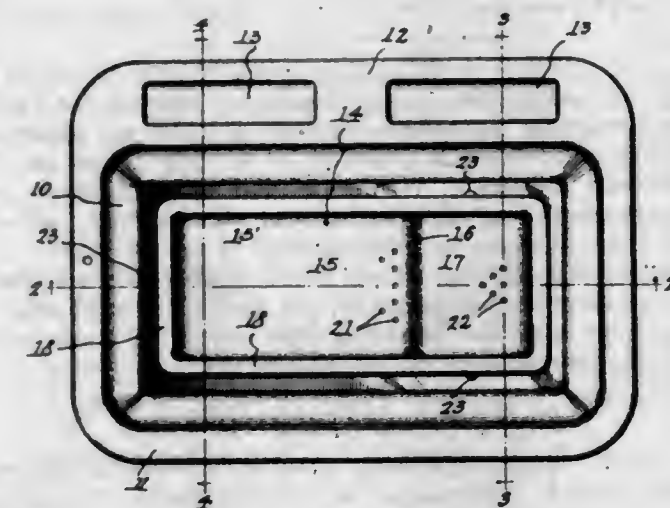
1. In a device of the class described, a cabinet comprising a base and an upper chamber, the base and the upper chamber being open on the same side of the cabinet, a closure mounted to swing on the base and adapted to close said open side of the base, the base

being provided with internal compartments extended around the base from one edge of the door to the other, lamps in the compartments, vertically slidable closures



for the compartments, and adapted to move upwardly into the upper chamber, and means for discharging water into the upper chamber.

1,512,068. BATHTUB. GEORGE E. THORNBURG, Muncie, Ind. Filed Apr. 29, 1924. Serial No. 709,890. 2 Claims. (Cl. 4-185.)



1. A tub, and a removable infant holding and supporting tray arranged therein, said tray including a top and a base depending therefrom, said top having an upper inclined body receiving depression and a lower inclined leg receiving depression with a transverse raised portion between the depressions, said base having hand holds in its ends, and feet carried by the lower end of the base to engage with the bottom of the tub.

1,512,069. CLOTHESLINE-SUPPORTING TROLLEY. RUPERT H. TOMLINSON, Illon, N. Y. Filed Sept. 21, 1923. Serial No. 664,121. 3 Claims. (Cl. 254-194.)

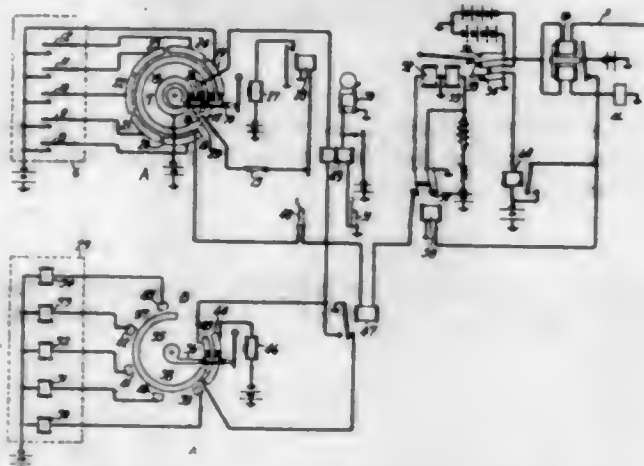
1. A clothes line supporting trolley comprising a strand of wire having its end portions bent upon itself and toward each other, forming an elongated loop; the extremities of said end portions overlapping and being spaced apart, forming a restricted entrance to the loop; one end of said portions and the opposite portion of

the loop, forming a line retaining passage, and the extremity of said end portion being extended into said loop to form an open restricted entrance to said passage;



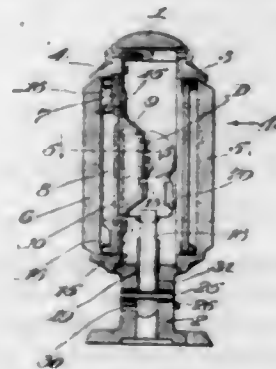
the other end portion of the strand cooperating with the opposite portion of the loop and providing a wedge slot therebetween in which the lower reach of the line is received and binds.

1,512,070. PRINTING TELEGRAPHY. GILBERT S. VER-NAM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,830. 13 Claims. (Cl. 178-71.)



1. In combination, a line conductor divided into sections, relaying apparatus interposed between adjacent sections comprising a plurality of storing relays to be selectively operated, intermittently rotating distributing apparatus for distributing the signals from one of said line sections to said storing relays, a source of signaling current, and circuit connections also established by said distributing apparatus for connecting said source of current with the adjoining line section in accordance with the operation of the storing relays.

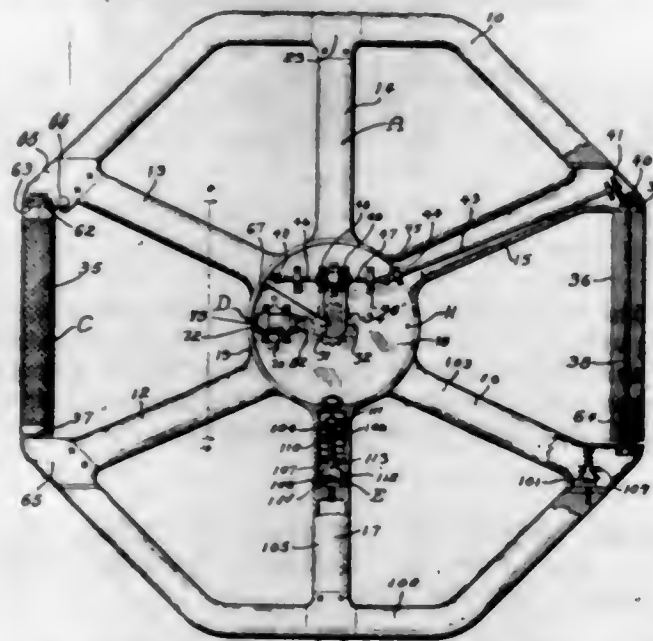
1,512,071. SIGNAL HEAD FOR TEMPERATURE INDICATORS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 9, 1922. Serial No. 542,425. 7 Claims. (Cl. 177-329.)



7. A signal head comprising a casing enclosing a plurality of removably mounted electric lamps having substantially similar colorless bulbs; a light diffusing chamber in the casing formed with a single window in a wall

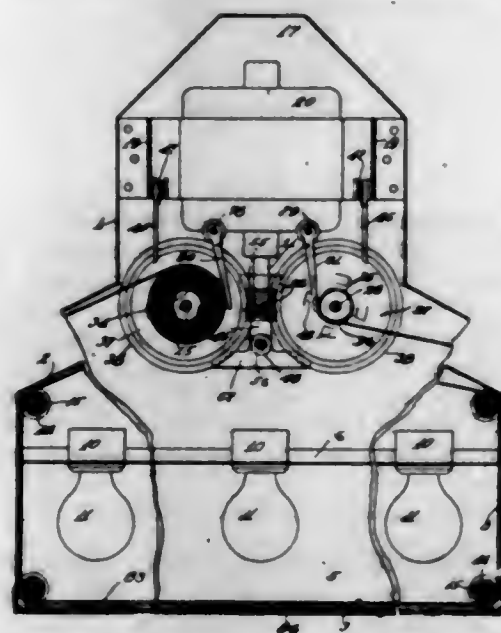
of the casing, said chamber having an opaque wall directly opposite said window and laterally situated portions adjacent to said opaque wall comprising differently colored translucent media; a bracket secured to said opaque wall outside the chamber formed at its opposite ends to support said electric lamps adjacent said colored media, and separate electrical contact arms in the casing to cooperate with the lamps respectively.

1,512,072. STEERING WHEEL. JAY G. WILLIAMSON, Eastman, Ga. Filed Aug. 1, 1922. Serial No. 570,042. 5 Claims. (Cl. 74-33.)



1. In a steering and controlling mechanism for motor vehicles, a steering post, a steering wheel rotatably carried by the post, a steering shaft rotatably mounted in the post and connected with the wheel, concentrically disposed spark and throttle controlling sleeves disposed within the steering shaft, and rotatable hand grips interposed in the rim of the steering wheel and operatively connected to said spark and throttle controlling sleeves.

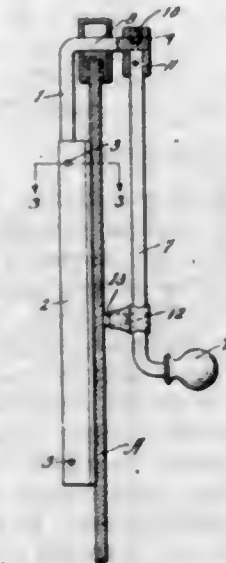
1,512,073. ADVERTISING MACHINE. THOMAS R. WIWI, Chicago, Ill., assignor of forty-five per cent to William H. Dean, Chicago, Ill. Filed July 19, 1922. Serial No. 576,052. 11 Claims. (Cl. 40-53.)



1. An advertising device comprising a plurality of advertising ribbons, reels for said ribbons, mechanisms for alternately moving the ribbons simultaneously in opposite directions, means for alternately illuminating said

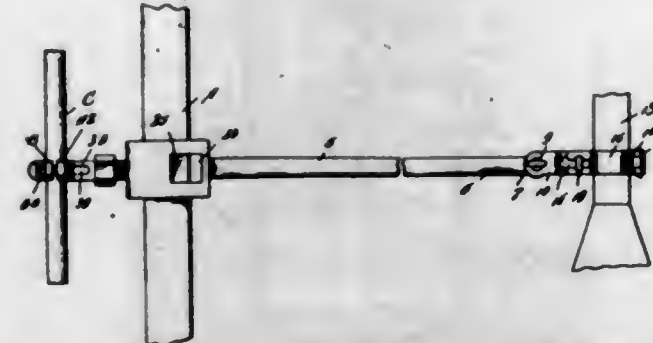
ribbons to permit the same to be read only when moving in the proper direction, and control members adapted to be separated from the reels by said ribbons and acting to engage said reels when the ends of the ribbons are reached to automatically cause reversing of the direction of travel of said ribbons.

1,512,074. WINDSHIELD CLEARER. SAMUEL C. WOLFE, Angola, Ind., assignor to Fernald Manufacturing Company, North East, Pa., a Corporation. Filed Dec. 15, 1921. Serial No. 522,485. 3 Claims. (Cl. 15-255.)



1. A windshield clearer comprising a wiping arm provided with a spindle and adapted to be disposed upon one side of a windshield glass, an operating arm disposed on the opposite side of the windshield glass and connected to the spindle, the said parts having an inherent resiliency which tends to hold them in operative relation to the windshield glass, a flexible wiping sheet folded upon itself with the folded portions thereof in direct engagement with each other, and clamping means upon the wiping arm having a gripping edge compressing portions of the wiping sheet to project the free edges thereof laterally in opposite directions to fit flat against the windshield glass with the edges thereof exposed and facing in opposite directions.

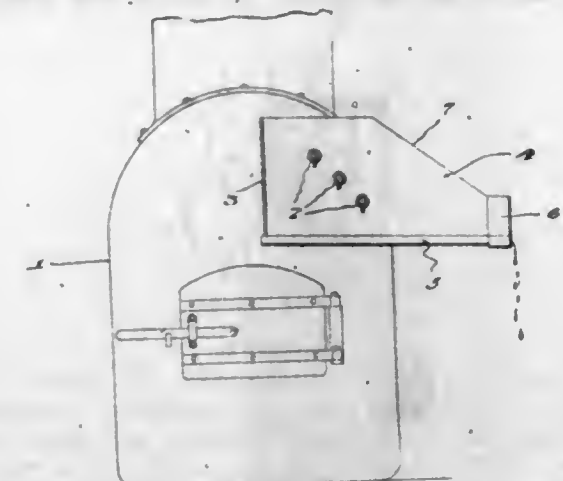
1,512,075. VEHICLE DRAWBAR. JOHN BAGOS, Macdonaldton, Pa. Filed Feb. 23, 1923. Serial No. 620,747. 1 Claim. (Cl. 280-33.55.)



In a vehicle draw bar coupling, a U-shaped clamp member adapted to be applied to an axle and provided at one end with a slot and at its opposite end with an opening, the said slots and openings adapted to be disposed at the same side of the axle, the slot and opening having bevelled forward side surfaces, a locking plate adapted to bridge the space between the ends of the said U-shaped clamp member, and provided at its end with head portions adapted to enter the slot and the opening respectively, said head portion having bevelled surfaces adapted to bear against the bevelled edges of the head and opening respectively, the plate having shoulder portions adjacent the inner ends of the head portion, the shoulder portion at one end of the plate being spaced

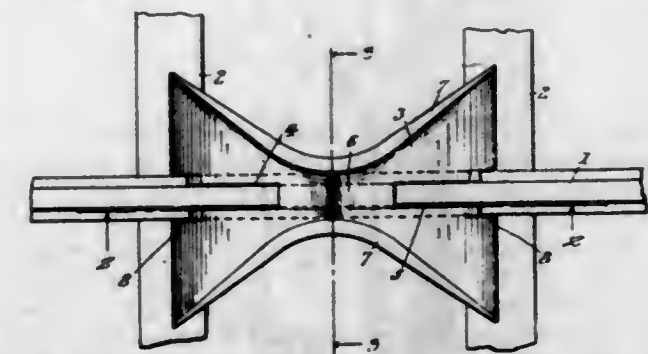
from the end of the head for a greater distance than the shoulders at the opposite end thereof from the adjacent head, and means for pivotally connecting a coupling bar to the clamp member.

1,512,076. ATTACHMENT FOR BOILERS. WILLIAM A. BALMAIN, Bristow, Okla. Filed Aug. 19, 1922. Serial No. 582,987. 1 Claim. (Cl. 137-102.)



In combination with a boiler having lift gauges screwed in one of the faces thereof, of a means for delivering water dripping from the gauges to one side of the boiler, comprising a metal plate having openings therethrough through which the gauges are screwed to contact the plate for sustaining the same on the boiler, said plate having its lower edge rounded outwardly and upwardly to provide an angularly disposed gutter, its inner edge flanged outwardly and the lower portion thereof entering and closing one end of the gutter, said plate having its upper and outer corner formed with a strap that is arranged over the outer side and below the gutter at the delivery end thereof and the said delivery end of the gutter being disposed a distance from one side of the boiler.

1,512,077. RERAILING APPARATUS. HENRY BANNAN, St. Catharines, Ontario, Canada. Filed July 15, 1921. Serial No. 484,925. Renewed Mar. 15, 1924. 1 Claim. (Cl. 104-267.)

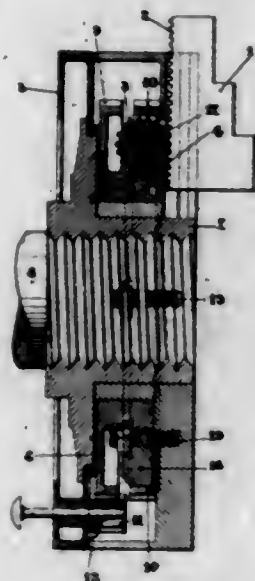


A device of the class described, comprising an arcuate member formed of a single piece of metal provided with longitudinal slots extending from the ends thereof and providing a central tread portion adapted to rest upon the tread of a rail, the side walls of said slots engaging the sides of the tread of said rail at their innermost ends, said slots being offset at their outer ends and the side walls of said offset portions adapted to engage the sides of the base flange of said rail for preventing lateral movement of the latter, said member flaring outwardly from the central tread portion to the receiving ends thereof, and tapering guide flanges formed on the side edges of said member.

1,512,078. AUTOMATIC CHUCK. FREDERIC BECK, Neuilly-sur-Seine, France. Filed July 13, 1923. Serial No. 651,389. 2 Claims. (Cl. 279-117.)

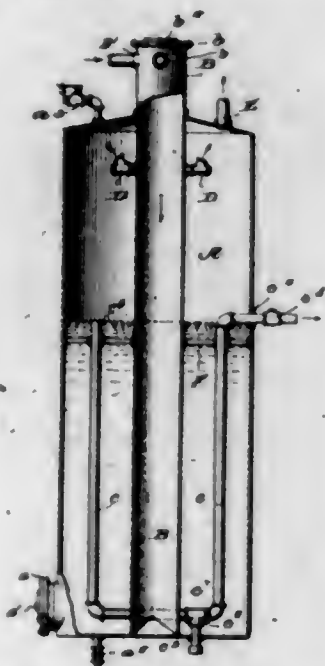
1. In an automatic chuck the combination with a chuck, and jaws radially movable in said chuck, said

jaws having racks on their rear faces, of a worm rotatably mounted in the centre of the chuck, a plurality of pinions gearing with said worm and with the racks on the jaws, a toothed plate formed integral with the worm and having teeth on its periphery, a plate rotatably mounted in said chuck, and adapted to be turned by hand, a toothed flange secured to the inner face of the chuck, said flange being of the same diameter as the plate integral with the worm, but having one tooth less



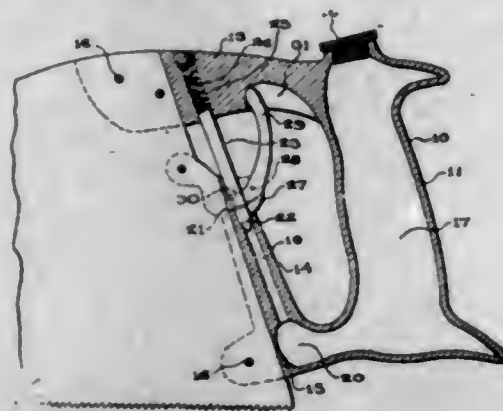
than the said plate, a shaft slidably mounted in the plate loosely mounted in the chuck, a pinion keyed to said shaft, said shaft being adapted to be moved into two positions, in one of which the pinion engages only with the toothed plate integral with the worm, and in the second position the toothed pinion engages both with the toothed plate integral with the worm and with the toothed flange, and means for locking the pinion in position when in its first position.

1,512,079. COMBINATION GUN BARREL AND GAS TRAP. THOMAS ALOYSIUS BERGIN, Wichita Falls, Tex. Filed Feb. 29, 1924. Serial No. 696,033. 7 Claims. (Cl. 183-2.7.)



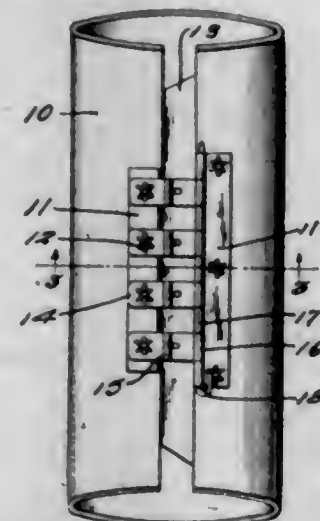
1. A combined gun barrel and gas trap for separating gas, water, and oil, comprising a tank, means for conducting the oil from the wells down through said tank, means associated with said conductor for trapping the gas therefrom in the tank, and an overflow pipe member for leading off oil from an intermediate level in the tank, together with means in the upper part and means in the lower part of said tank for leading off gas and water respectively therefrom.

1,512,080. SAW OILER. WILLIAM T. BLOUNT, Orrville, Ohio, assignor of one-half to William G. Barnwell, Savannah, Ga. Filed Nov. 18, 1922. Serial No. 601,848. 1 Claim. (Cl. 145-35.)



A saw handle including a hollow hand-grasp portion to contain oil, a top portion extending forwardly from said hand-grasp portion and having a longitudinal recess in its underside, a hollow bottom portion communicating with and extending forwardly from the hand-grasp portion, and a conduit portion extending upwardly from the forward end of said bottom portion and provided near its upper end with an ejection orifice, said upwardly extending conduit portion being spaced in front of the hand-grasp portion to afford an opening for the reception of the thumb and fingers of an operator, a reciprocating valve spring-pressed and guided in the top portion of the handle and disposed and movable in said upwardly extending conduit portion, and a trigger lever fulcrumed on said upwardly extending conduit portion and connected to the valve and having its free end guided in said recess in the top portion of the handle, said trigger lever extending across the upper forward portion of the opening in the handle and being spaced from the said valve whereby the trigger lever may be conveniently manipulated through the medium of the index finger of the operator.

1,512,081. TIRE BLOW-OUT BOOT. JOHN BORDAS, Miami, Fla. Filed Oct. 8, 1923. Serial No. 607,201. 4 Claims. (Cl. 152-24.)

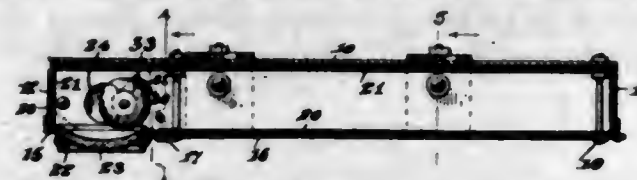


3. An adjustable tire patch comprising a fabric body, a plurality of eyes arranged in a longitudinal row on each of the meeting edges of said patch, a second row of eyes arranged on one of the edges of said patch in rear of the first mentioned row, and means engaging through the single row of eyes on one edge and through one of the rows on the other edge for locking the patch in desired adjusted position.

1,512,082. ILLUMINATED LICENSE-PLATE HOLDER. KNUD B. BRYNILDSON, New Richland, Minn. Filed Oct. 18, 1923. Serial No. 669,330. 2 Claims. (Cl. 40-133.)

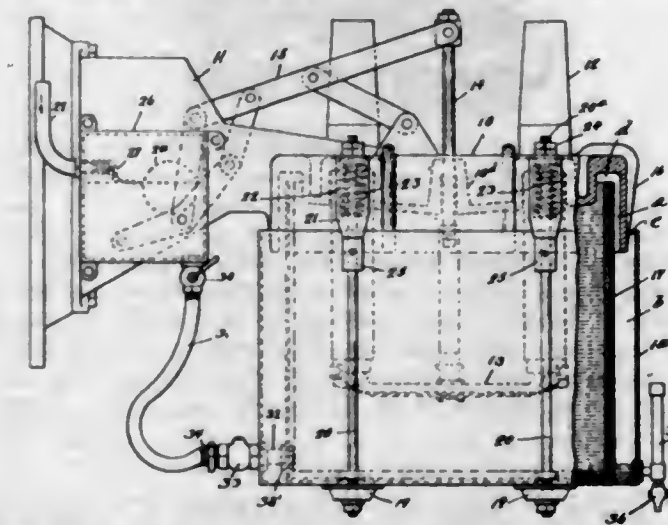
2. In a device of the class described, an enclosed casing including top and bottom portion, a closure mem-

ber for the front of the casing and having beads bearing over the forward edges of the casing, means for coupling



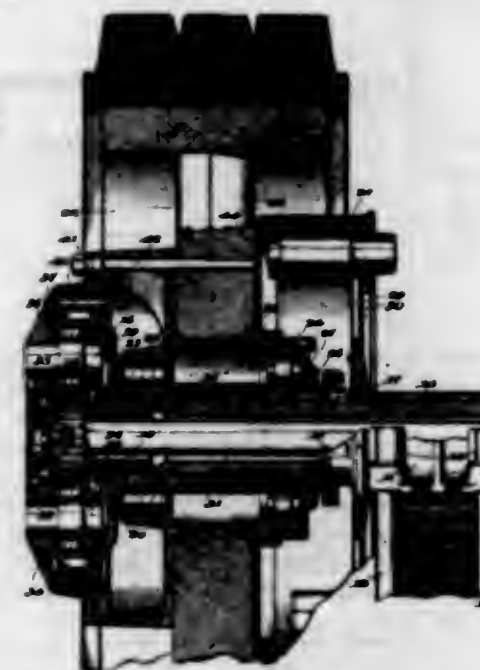
the closure to the casing and an extension on the top portion bearing over the upper portion of the front and forming a shield to the movable closure.

1,512,083. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed June 11, 1920. Serial No. 388,324. 24 Claims. (Cl. 200-150.)



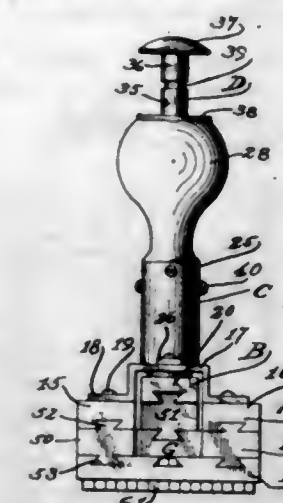
17. An electric switch having an oil receptacle vented to the atmosphere, means to catch oil expelled from said receptacle through the vent, and means independent of the vent to admit oil in said receptacle and restore the oil level therein.

1,512,084. MOTOR VEHICLE. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 20, 1919. Serial No. 283,789. 9 Claims. (Cl. 180-73.)



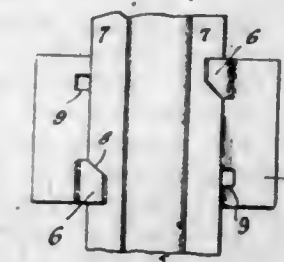
1. In wheel and axle construction the combination with an axle member and a spring pad mounted thereon, of a road wheel mounted to rotate about the axle member, a driving shaft, a torque reaction member extending through the wheel hub to the spring pad, and gearing from the driving shaft to the wheel including an internal gear mounted on the torque reaction member.

1,512,085. TWO-COLOR STAMP. HUBERT LE RON CLARY, Weldon, N. C. Filed Oct. 4, 1921. Serial No. 505,357. 5 Claims. (Cl. 101-201.)



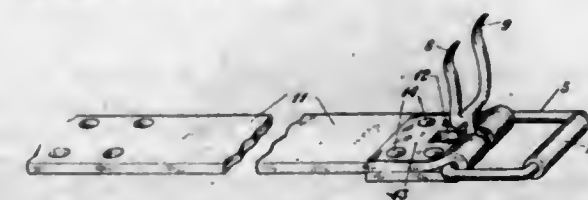
1. A stamp for printing in various colors comprising a stationary printing base, a movable printing base disposed within the marginal edges of the stationary printing base and adapted to be disposed above, below or flush with the stationary printing base, a U-shaped bracket carried by the stationary base, a hollow handle carried by the bracket, an actuating plunger slidably mounted within the hollow handle and connected with the removable printing base, an actuating member carried by the plunger and slidably associated with the handle for actuating the movable printing base, and means carried by said handle adapted to be engaged by said actuating means for locking the movable stamping base in relation to the stationary stamping base.

1,512,086. TIE-PLATE. JOHN T. FINLEY, OLEN I. FREEMAN, and CHARLTON R. ROBERTS, Atlanta, Ga. Filed Oct. 5, 1923. Serial No. 666,840. 2 Claims. (Cl. 238-298.)



1. A tie plate comprising a flat metal plate having lips struck up therefrom respectively adjacent opposite ends of the plate and adjacent opposite longitudinal edges of the same in position to engage and ride over the upper surfaces of the opposed base flanges of a rail, and ribs formed upon the under surface of the plate extending longitudinally thereof, the ribs adjacent the longitudinal edges of said plate being interrupted at the points where the lips are struck up from the plate whereby the under faces of the lips will be substantially smooth.

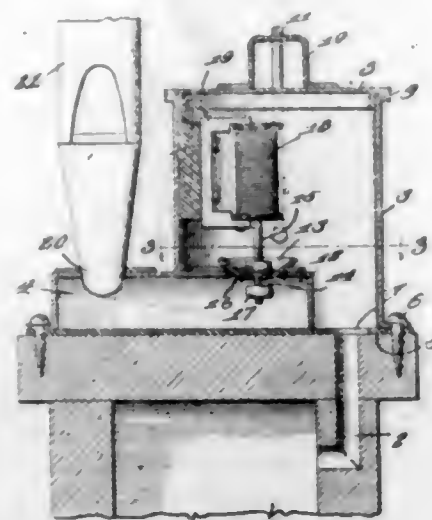
1,512,087. BUCKLE FOR SAFETY STRAPS. LEWIN B. FISH, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 26, 1924. Serial No. 695,326. 7 Claims. (Cl. 24-188.)



4. A safety strap having a longitudinal slot at one end thereof, a buckle comprising a frame associated with said strap, and means including a plurality of bifurcated

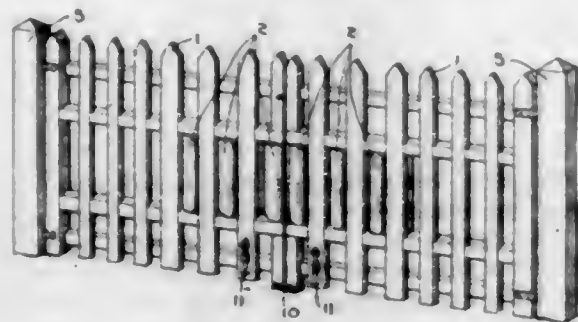
arms extending through said slot and being pivotally mounted on said frame to engage perforations in said strap.

1,512,088. PIPE ORGAN. CASPER ELDRED GRANT, Portsmouth, Va. Filed Aug. 29, 1922. Serial No. 584,996. 6 Claims. (Cl. 84-339.)



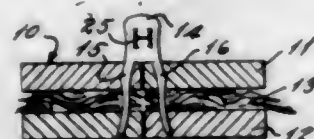
5. In a pipe organ the combination with an air chamber having an outlet duct, of a housing in communication with the duct, an extension thereon, a pipe supported by and communicating with the extension, an apertured valve normally closing communication between the housing and extension, a leak valve normally closing the aperture in the first named valve and shiftable relative thereto, and an electromagnet within the housing for successively unseating the leak valve and the apertured valve.

1,512,089. GATE. GLORIA AMELIA HAWKEN, Whangarei, Auckland, New Zealand. Filed Nov. 5, 1923. Serial No. 673,001. 3 Claims. (Cl. 39-87.)



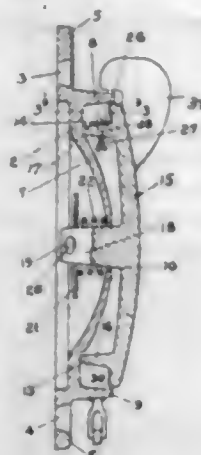
1. A gate, at least one vertical roller mounted on the gate, projecting from each side of the gate, and so located as to make contact with a vehicle driven into the gate.

1,512,090. COMBINATION SANDWICH HOLDER AND ADVERTISING DEVICE. ISIDORE HIRTZ, New York, N. Y. Filed Mar. 18, 1924. Serial No. 700,152. 2 Claims. (Cl. 40-2.)



2. A device of the class described comprising, a body, spaced slightly divergent prongs on the body, a space on the body upon which matter may be printed and a bevelled edge on the body between the prongs, the whole being adapted to be cut from a single strip of material.

1,512,091. CONTROLLER FOR HEAT-REGULATING APPLIANCES. WILLIAM H. HILL, Elyria, Ohio, assignor to Fox Furnace Company, Elyria, Ohio, a Corporation of Ohio. Filed May 10, 1922. Serial No. 559,772. 3 Claims. (Cl. 126-286.)



1. In a controller of the class described, the combination of a base having spaced arcuate flanges projecting therefrom; a rotary disc member adapted to be positioned within the arcuate flanges of said base; a handle secured to said disc member for operating the same, an annular flange on one side of the said member, said flange having a serrated edge portion, a projection extending from the said base, said serrated edge portion adapted to move over the said projection when the said member is rotated, a stem for the said disc member projecting from the central portion of the annularly flanged side thereof, said base having a centrally disposed dished portion having its concave side remote from the said member, said stem adapted to project through an opening in the said centrally disposed base portion, and a spring disposed within the concavity of the said portion adapted to press the said member and the said base together, and a chain secured to and passing over the said annular flange outside surface, and extending between the arcuate flanges of said base to a heat regulating apparatus.

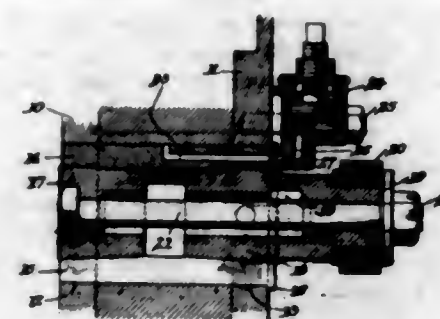
1,512,092. COLLAPSIBLE SHUTTER. RUDOLPH HOFFMAN, Kanakee, Ill. Filed Mar. 25, 1922. Serial No. 546,556. 4 Claims. (Cl. 189-60.)



1. In combination with a frame defining an opening to be closed, a plurality of leaves, means operatively connecting said leaves for movement from an extended relation across said opening with their opposite ends projecting behind said frame into a compact stack at the upper edge of the opening and projecting horizontally

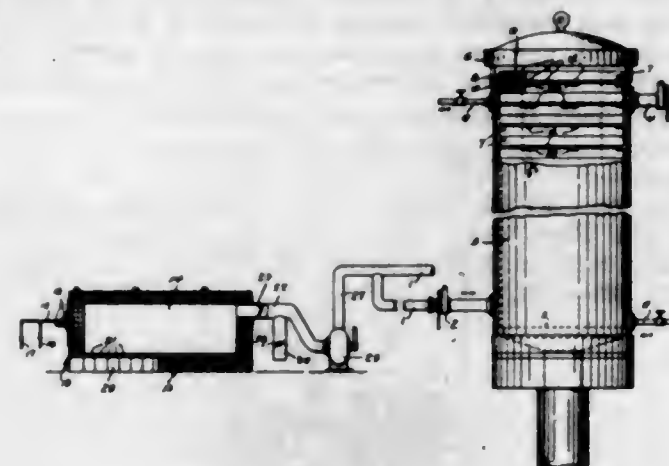
and rearwardly therefrom, and counterbalancing means for the leaves comprising a torsion spring mounted above the opening and having a strap extending between the frame and the forward ends of the leaves and connected with the lower end leaf.

1,512,093. CROSSHEAD PIN. HARRY A. HOKE, Altoona, Pa. Filed Oct. 27, 1919. Serial No. 333,716. 7 Claims. (Cl. 74-84.)



1. The combination with a crosshead having aligned openings in its opposite walls, a hollow split pin disposed in said openings having a radial flange to prevent longitudinal movement in one direction, means to hold the pin against movement in the other direction, and means to expand the pin to an equally tight fit in both openings.

1,512,094. MANUFACTURE OF TIRE CASINGS. ERNEST HOPKINSON, New York, N. Y. Filed Nov. 18, 1922. Serial No. 601,092. 8 Claims. (Cl. 18-53.)

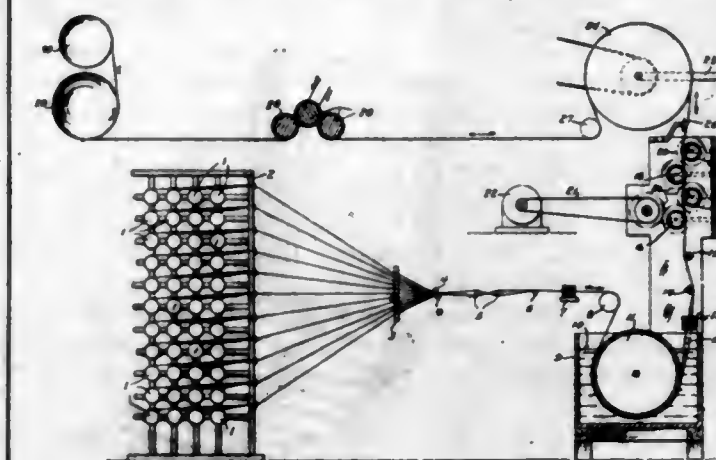


2. A method of curing tire casings in sectional molds which consists in, loosely assembling tire casings on cores in sectional molds in a press, conducting products of combustion from a furnace and at a vulcanizing temperature through the press to partially cure the casings while the sections of the molds are collapsibly held separated, and finally completing the vulcanization of the casings with steam while pressing the mold sections together to exert a compacting pressure on the casings.

1,512,095. METHOD AND APPARATUS FOR RUBBERIZING FILAMENTARY MATERIAL. ERNEST HOPKINSON, New York, N. Y., and KENNETH B. COOK, East Orange, N. J., assignors to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Jan. 29, 1923. Serial No. 615,083. 18 Claims. (Cl. 154-1.)

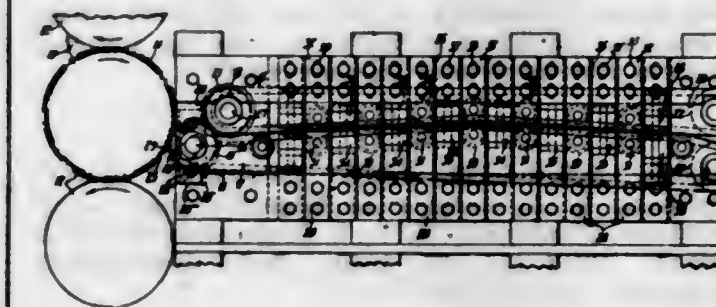
7. An apparatus for rubberizing filamentary material, comprising in combination, a supply of filamentary ma-

terial, means for applying latex to the filamentary material, metallic means for ironing the filamentary material,



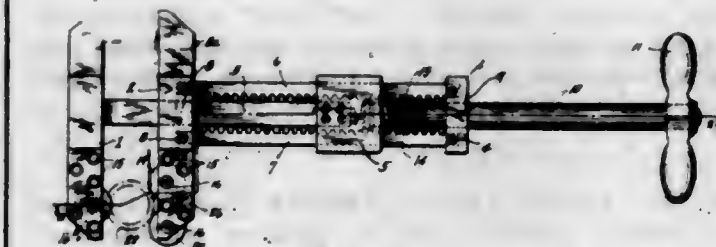
terial, means for moving the metallic ironing means rapidly relative to the filamentary material, and means for feeding the fibrous material through the apparatus.

1,512,096. PROCESS AND APPARATUS FOR MANUFACTURING WEFTLESS FABRIC. ERNEST HOPKINSON, New York, N. Y. Filed Nov. 3, 1923. Serial No. 672,504. 24 Claims. (Cl. 154-1.)



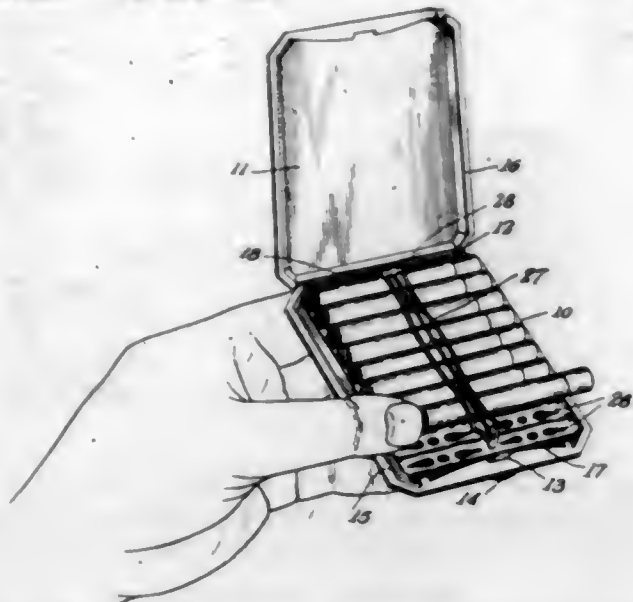
20. An apparatus for altering the spacing of cords in sheet formation comprising a pair of endless laterally elastic belts, means for supporting and guiding the same in opposed gripping relation upon intervening cord material, and means for uniformly varying the width of the opposed portions of the belts in the direction of their travel whereby to alter the spacing of intervening cord material.

1,512,097. COMBINATION MONKEY WRENCH. FRANK S. HOBBSNEY, Fort Kamehameha, Territory of Hawaii. Filed Apr. 7, 1923. Serial No. 630,677. 3 Claims. (Cl. 81-170.)



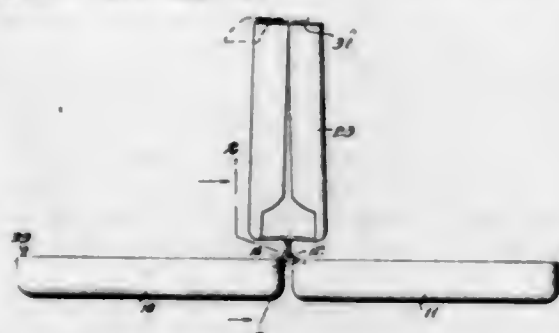
1. A wrench of the character described, comprising a shank having a fixed jaw at one end, a jaw adjustable on the shank toward and from the fixed jaw, a pair of bars extending along the opposite sides of the shank having ends fixed to the movable jaw, a handle bar having an end rotatably connected to the outer end of the shank and having a threaded connection with the bars at opposite sides of the shank, whereby rotation of the handle bar will effect adjustment of the movable jaw.

1,512,098. CIGARETTE CASE. EDWARD B. HOUGH, Providence, R. I., assignor to Wightman and Hough Company, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 8, 1923. Serial No. 661,575. 13 Claims. (Cl. 206—41.)



1. A case of the character disclosed comprising hinged body and cover sections, a tray within the case, a lug and loop connection between one end of the tray and the body of the case, a pivoted link at the opposite end of the tray pivotally connected with the body of the case and spring means at the back of the tray for bodily lifting the same to the extent permitted by the lug and loop connection and the pivoted link structure.

1,512,099. CIGARETTE CASE. HERBERT D. HOUGH, Cranston, R. I., assignor to Wightman and Hough Company, Providence, R. I., a Corporation of Rhode Island. Filed Oct. 27, 1920. Serial No. 419,801. 9 Claims. (Cl. 206—41.)

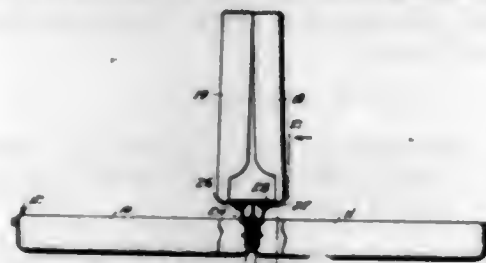


1. The combination with a two-part cover and a hinged connection for said cover parts, of a one-piece metal holder fashioned to receive a package of cigarettes or the like in the original wrapper, having walls enclosing such package and split into portions having limited resilient movement relative to each other, and means for pivotally connecting said holder to the said hinge connection to permit said holder to nest in either of said cover sections when in their open position.

1,512,100. CIGAR AND CIGARETTE CASE. HERBERT D. HOUGH, Cranston, R. I., assignor to Wightman and Hough Company, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 19, 1921. Serial No. 462,503. 10 Claims. (Cl. 206—41.)

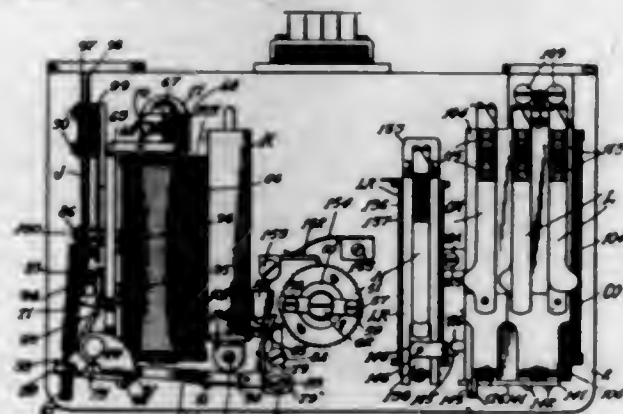
1. In a cigarette package containing case, the combination with a two part cover, a hinge connection pivotally connecting the parts of the cover and a reinforcing plate secured to each of the cover parts of a holder fashioned to receive a package of cigarettes or the like and pivotally connected to the hinge connection between the parts of the cover, a series of aligned loops formed on the bottom of the holder on opposite sides of the

hinge connection, and a spring mounted in each of said series of loops, one end of each spring being bent to engage the bottom of the holder and the other end



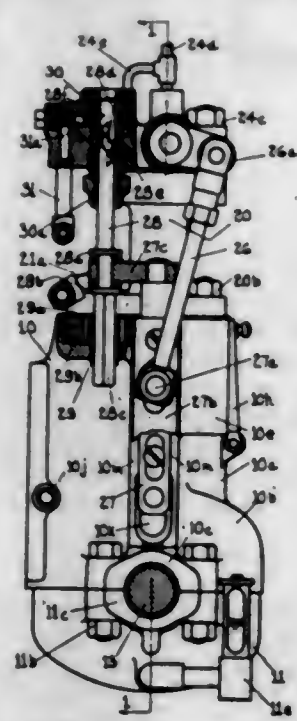
of each spring being bent to engage one of said reinforcing plates thereby to maintain the holder upright when the parts of the cover are in open position.

1,512,101. TELEPHONE SYSTEM. HARRY H. IDE, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1919. Serial No. 271,960. 30 Claims. (Cl. 179—18.)



1. An automatic telephone system including a traveling switch and an adjusting magnet therefor, and a relay initially energized by current flowing over the talking circuit and thereafter serving in vibratory relation with the magnet, and test means serving when in a particular electrical condition, to render the initial energization of said relay ineffective to set up said relation.

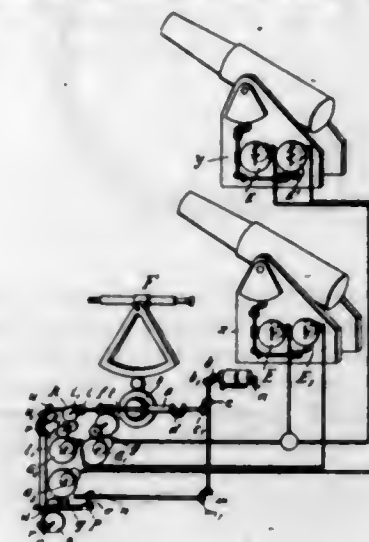
1,512,102. FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. LOUIS ILLMER, Cortland, N. Y. Filed Sept. 6, 1922. Serial No. 586,459. 23 Claims. (Cl. 123—140.)



1. In a reciprocating fuel pump, a bracket casting comprising a guide bore and a skirt portion, an upper bearing shell cast integral with said skirt, a removable

bracket pan provided with an integrally cast lower bearing shell, said pan being adapted to enclose the skirt portion of said casting and to form a breakable joint therewith.

1,512,103. REMOTE-CONTROL SYSTEM. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Jan. 25, 1921. Serial No. 439,804. 1 Claim. (Cl. 89—41.)



In an electric signalling system for transmitting the angle of inclination to a battery of guns or the like, which are mounted in different horizontal planes, in combination, electrical transmitters for each of the different planes located in a central station, means mechanically connected with said transmitters for setting the range, mechanical means for imparting to said transmitters the required amount of correction of the range, due to the different planes in which the guns are mounted, said means being actuated by said setting means, and electrical receivers on the guns connected to said transmitters.

1,512,104. MOISTURE AND VERMIN PROOF MATERIAL. FREDERICK L. KENNEDY, Cleveland, Ohio. Filed Dec. 9, 1921. Serial No. 521,135. 2 Claims. (Cl. 167—6.)

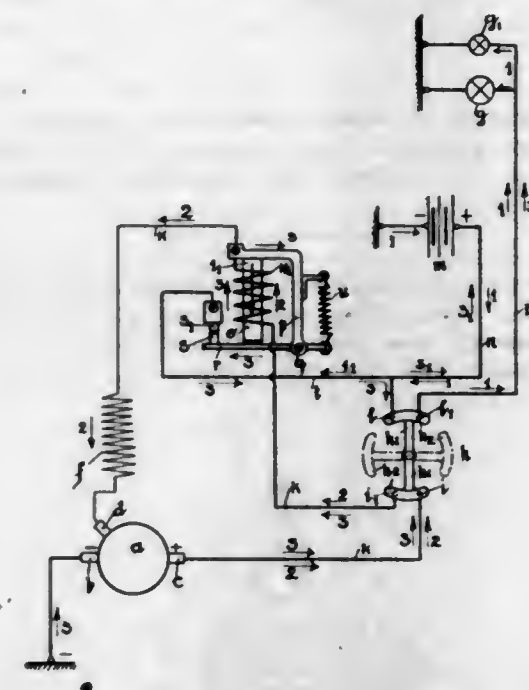


2. Material of the character described comprising a body in sheet form one side of which is coated with paraffine and on the other side is coated with naphthalene.

1,512,105. ILLUMINATING PLANT FOR VEHICLES, SPECIALLY MOTOR CYCLES. KARL KNAPP, Halle-on-the-Saale, Germany. Filed Apr. 25, 1922. Serial No. 556,553. 1 Claim. (Cl. 171—313.)

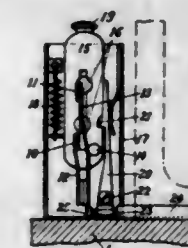
An illuminating plant for motor vehicles, specially for motor cycles, with dynamo, battery and automatic

cut-out for the return current from the battery, the oscillating armature of which cut-out closes the main current circuit of the dynamo electro-magnetically and interrupts the same by spring action directly before the contact is established if the vehicle is started, comprising in combination a dynamo of well known type, an auxiliary brush, an exciter winding applied in shunt connection to said auxiliary brush so that the dynamo keeps the same intensity of current also if the speed of travel varies, said dynamo producing a quantity of current slightly in excess of the current consumed, a battery, a single coil cut-out, a light switch designed to close simultaneously the battery circuit for the lamps and the exciting-circuit which goes across the single interrupter coil and the field winding, said dynamo working together with said battery, single-coil cut-out and



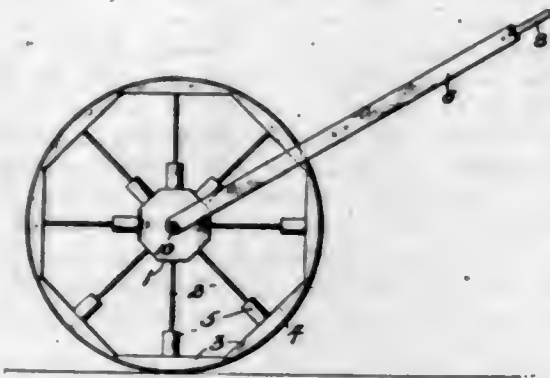
light switch in such a manner that over one of the bridges of the light switch the exciting current circuit is first closed across the single magnet coil and the armature of the cut-out connected between the cut-out coil and the field winding is strongly attracted at the beginning of the travel, so that the closing of a main circuit is effected which passes through the same lead with the exciting current to behind the magnet coil, whereupon said main current is connected by the armature of the cut-out and its contacts with a battery- and consumer-circuit adapted to be closed only across the other bridge of the light switch, the contact pressure of the armature being simultaneously increased, and that, if the vehicle stops, all the circuits, with the exception of the battery-consumer circuit, are interrupted by the return current from the battery in the single coil.

1,512,106. CONTROLLING MEANS FOR ELECTRIC HEATERS. THEODOR KLÖTZLI, Thonon, Switzerland. Filed Sept. 13, 1920. Serial No. 410,065. 3 Claims. (Cl. 200—137.)



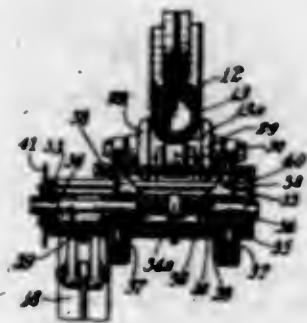
2. A thermostatic switch as specified in claim 1, in which the said expansion member consists in a metal rod having a high coefficient of expansion, means being provided projecting from the bottom of the said casing and arranged to transmit heat to the said rod.

1,512,107. TOY SOUNDING WHEEL. HENRY C. KOCH, Johnstown, Pa. Filed Oct. 1, 1923. Serial No. 665,750. 6 Claims. (Cl. 46-38.)



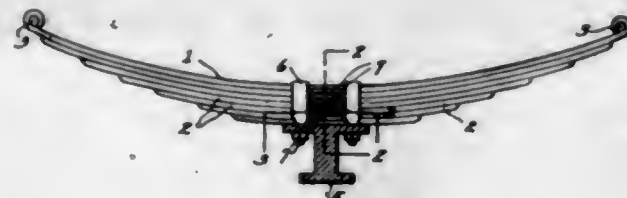
1. A sounding toy wheel, comprising a polygonal hub, an interiorly polygonal rim, spokes, and strikers slidably arranged on the spokes and adapted to contact with said hub and rim.

1,512,108. TIRE-BUILDING APPARATUS. CURT KUENTZEL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1921. Serial No. 442,952. 12 Claims. (Cl. 154-10.)



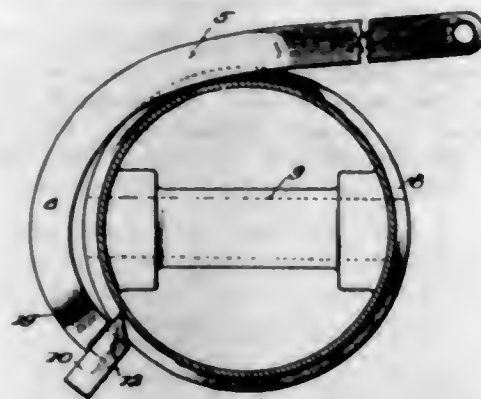
1. In a tire-building machine, the combination of a revoluble tire core, a stitching roller mounted for rotation and for movement inwardly around the tread and side surfaces of a tire on said core, means for feeding said roller away from the middle plane of the core, a power member for feeding it in the general direction of the core axis, and a yielding connection between said power member and roller.

1,512,109. VEHICLE SPRING. FRANK J. LAHER, Seattle, Wash. Filed Feb. 16, 1922. Serial No. 536,965. 1 Claim. (Cl. 267-47.)



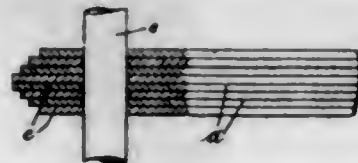
A vehicle spring comprising a plurality of superimposed leaves with strips disposed in alignment against the opposite sides of the spring and overlapping the edges of adjacent leaves; said strips being welded to the edges of the leaves in succession to prevent relative longitudinal shifting thereof at the center of the spring and adapted to engage at their ends with a spring mounting means to prevent shifting of the spring.

1,512,110. PISTON-GROOVE SCRAPER. EDWIN B. LARSON and WALTER H. MURPHY, Sanish, N. Dak. Filed June 6, 1923. Serial No. 643,708. 2 Claims. (Cl. 15-104.01.)



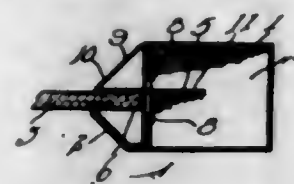
1. A piston groove scraper comprising a single length of rigid metal having its forward portion provided with the curve of a paraboloid and having a reduced terminal and shoulders at opposite sides of the terminal, and a carbon scraping blade provided with a transverse recess to receive the reduced terminal, said shoulders being flatly engaged with the blade at opposite sides of said recess.

1,512,111. STAY FOR AEROPLANES, HYDROPLANES, AND THE LIKE. JEAN ALFRED LATHAM, Caudebec-en-Caux, France. Filed June 26, 1923. Serial No. 647,866. 5 Claims. (Cl. 244-31.)



1. A stay comprising a plurality of disconnected superimposed metal laminae decreasing in width from a central lamina, and a wrapping to form a smooth surface.

1,512,112. METAL RAIL FOR WINDOWS, DOORS, AND THE LIKE. WILLIAM P. LAWRENCE, Colorado Springs, Colo. Filed Oct. 5, 1922. Serial No. 592,619. 4 Claims. (Cl. 189-75.)

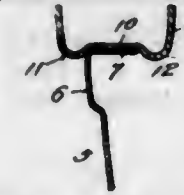


1. A hollow metal rail having a longitudinal slot in one side thereof, an integral molding disposed adjacent to and parallel with said slot, U-shaped members having their legs extending transversely across said rail, and means for securing said members to said rail, said members having slots therein aligned with the slots in said rail, and a second molding having a portion disposed in said slots.

1,512,113. CHANNEL STRUCTURE FOR TONNEAU PANELS. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1919. Serial No. 279,588. 3 Claims. (Cl. 296-29.)

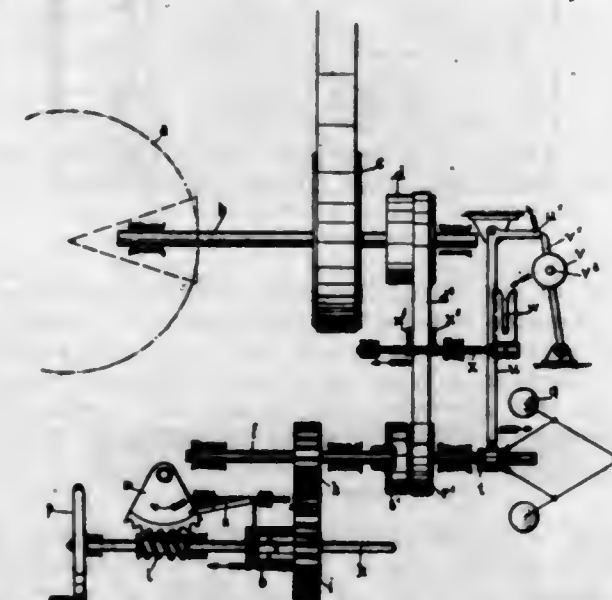
2. The combination with a sheet metal panel bent or stamped into shape to form a tonneau or seat back of an automobile body, and having an upturned flange at its upper edge, of a channel member of substantially

U-shape in cross section and longitudinally bent or stamped to conform to the contour of the panel, and having an upwardly pressed longitudinally extending de-



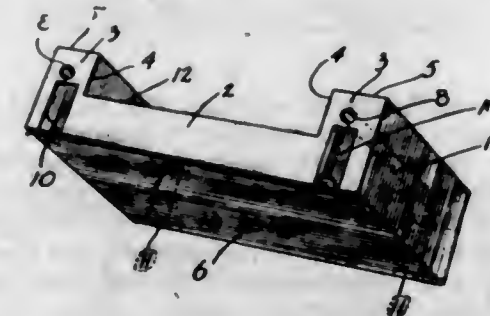
pression in the under surface of its base to receive said flange, said channel member and flange being secured together.

1,512,114. SAFETY DEVICE FOR WATER TURBINES. CHRISTOPH LEFFLER, Brunswick, Germany. Filed Aug. 26, 1921. Serial No. 495,558. 4 Claims. (Cl. 74-89.)



1. In a water turbine a safety device comprising a gate apparatus, means for closing said apparatus, means influenced by said turbine for driving said closing means; a centrifugal device operatively connected with said turbine and a weighted lever adapted to bring said driving means in operative connection with said closing means and to be operated by said centrifugal device, when a predetermined number of revolutions is exceeded and means, influenced by the closing means, for interrupting the operative connection between said driving means and said closing means before the gate apparatus is closed.

1,512,115. WALL CONSTRUCTION AND BUILDING BLOCK. ARTHUR F. LEVITT, Los Angeles, Calif. Filed Nov. 3, 1922. Serial No. 598,763. 1 Claim. (Cl. 72-39.)



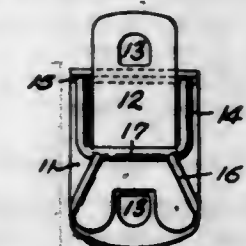
A building block, consisting of a substantially straight body portion, the ends of which are provided on one side with projecting spacing lugs arranged at the extreme ends of the body of the block, said lugs having apertures adapted to receive reinforcing rods extending longitudinally of the wall, and having other apertures adapted to receive vertical reinforcing rods, a plurality of keys formed on one of the surfaces, adapted to engage complementary recesses in a similar block in a wall course, and recesses corresponding to said keys disposed opposite said keys on an opposite face of said block.

1,512,116. WINDING MACHINE. EDWIN N. LIGHTFOOT, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 26, 1920. Serial No. 361,513. 23 Claims. (Cl. 117-34.)



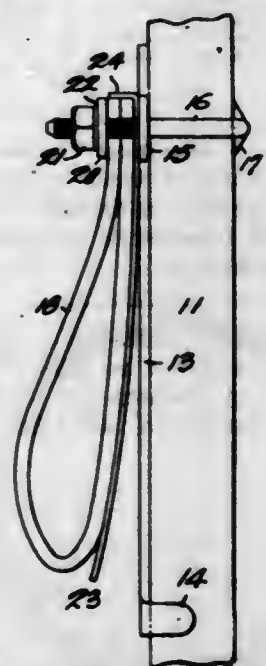
1. In a winding machine, the combination with a rotatable member and a support for material to be wound carried by said member, of a core member of angular cross section about which said material is adapted to be wound, guiding means for said material including means enabling shifting of the direction of travel of said material out of radial alignment with respect to the center of said core member to thereby maintain a minimum distance between the outlet end of said guiding means and the surface of said core.

1,512,117. FUSIBLE LINK. JOHN J. LYTH, Valleyfield, Quebec, Canada. Filed May 19, 1920. Serial No. 382,531. 8 Claims. (Cl. 160-42.)



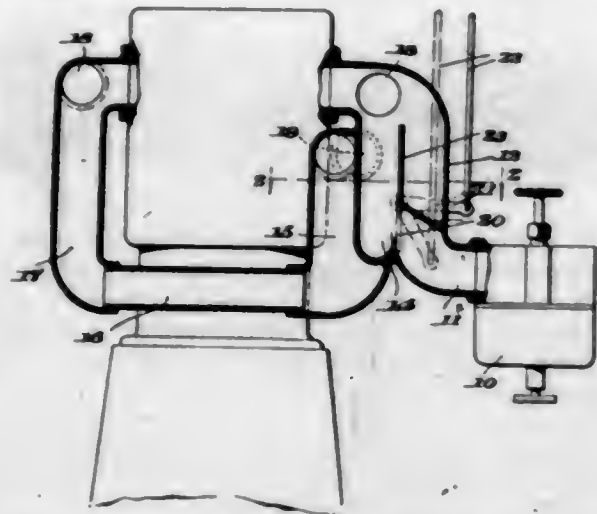
1. A fusible link comprising a pair of plates in slidable engagement, said plates having seats on the front faces thereof, and a strut in compression between said seats.

1,512,118. LUG-STRAP HOLDER FOR LOOMS. JOHN J. LYTH, Valleyfield, Quebec, Canada. Filed Feb. 7, 1921. Serial No. 443,208. 6 Claims. (Cl. 139-154.)



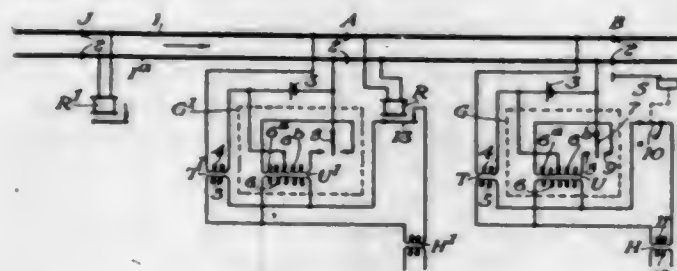
1. A lug strap attaching means comprising a clamping means to encircle a picker stick, a plate to overlie the edge of a picker stick and to be held thereto by said clamping means, lateral projections on said plate to engage opposite sides of the clamping means to hold the plate against longitudinal movement through the clamping means and to determine the clamping point of the plate, and a looped supporting strap held at its ends between the clamping means and plate.

1,512,119. HYDROCARBON MOTOR. ALVAN MACAULEY, Detroit, Mich., assignor to Packard-Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 10, 1919. Serial No. 296,269. 2 Claims. (Cl. 123-122.)



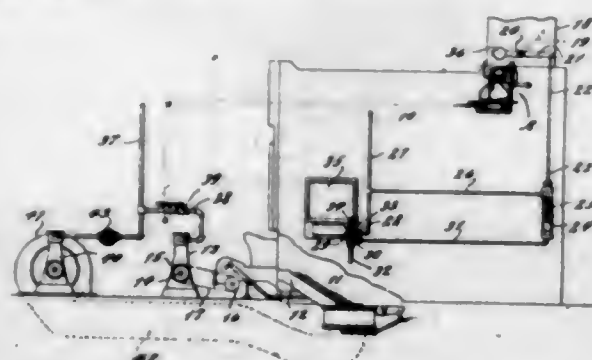
1. The combination with a hydrocarbon motor having an intake conduit and an exhaust conduit, of a mixture conveying pipe below the intake conduit, a constantly upwardly extending conduit from said pipe to the intake conduit, a second upwardly extending conduit from said pipe to the intake conduit, said second conduit being in heating relation to the exhaust conduit and having a vaporizing pocket therein, and a valve for directing the mixture from the pipe to either of said upwardly extending conduits.

1,512,120. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1924. Serial No. 692,682. 12 Claims. (Cl. 246-34.)



1. Railway traffic controlling apparatus comprising a stretch of railway track, a track battery connected with the rails of said stretch, a rectifier for charging said battery, and means responsive to traffic conditions for controlling said rectifier.

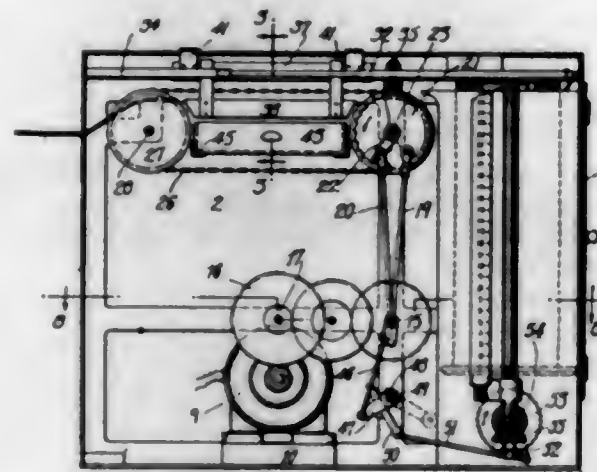
1,512,121. FURNACE CONTROL. EMERY MCLEAN, Brooklyn, N. Y., assignor to The Engineer Company, New York, N. Y., a Corporation of New York. Filed Aug. 4, 1923. Serial No. 655,570. 7 Claims. (Cl. 236-15.)



1. The method of operating a furnace which consists in maintaining the furnace pressure substantially uniform at one point in the flow of the furnace gases and

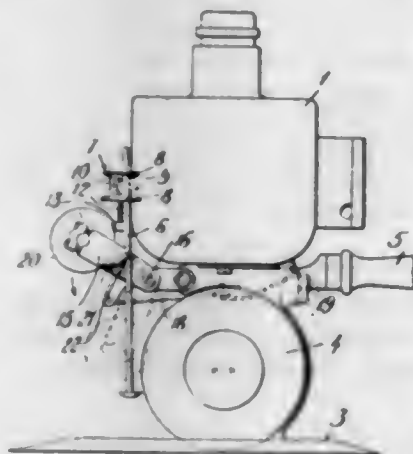
utilizing variations in pressure at another point in the flow of furnace gases for controlling the rate of feed of fuel.

1,512,122. ELECTRIC TOASTING MACHINE. JOHN MARCEL, New York, N. Y. Filed Apr. 26, 1923. Serial No. 634,869. 8 Claims. (Cl. 126-41.)



1. An electric bread toasting machine comprising a casing, a motor and heating coils within the casing, reduction gearing driven by the motor, an intermittently driven conveyor, a bread elevating mechanism cooperating with the conveyor, and means for automatically transferring the bread from the elevating to the conveyor mechanism.

1,512,123. CLOTH-CUTTING MACHINE. HYMAN MALMIN and AUGUST FREDDY, New York, N. Y., assignors to H. Malmin Co., Inc., a Corporation of New York. Filed Apr. 27, 1921. Serial No. 464,927. 5 Claims. (Cl. 164-76.)

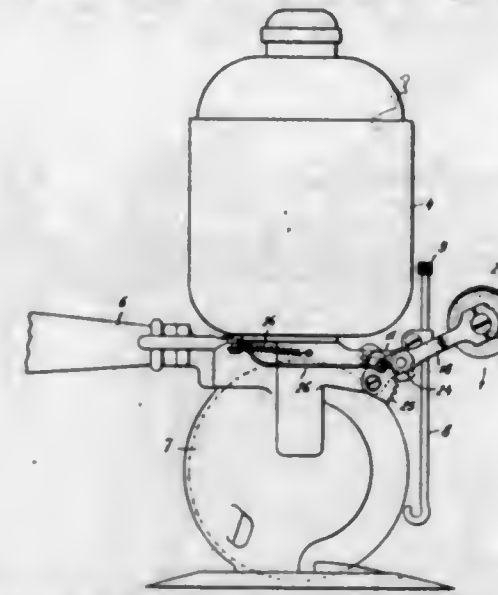


1. In a cloth-cutting machine the combination of a cutting blade, a guard therefor, a grindstone for sharpening the blade, a yoke supporting the grindstone and pivotally mounted on the frame of the machine, a cam surface on the yoke designed to contact with the guard, and means for swinging the grindstone into contact with the blade and simultaneously moving the guard outwardly on the cam surface.

1,512,124. CLOTH-CUTTING MACHINE. HYMAN MALMIN and AUGUST FREDDY, New York, N. Y., assignors to H. Malmin Co., Inc., a Corporation of New York. Filed Jan. 4, 1922. Serial No. 526,872. 6 Claims. (Cl. 164-76.)

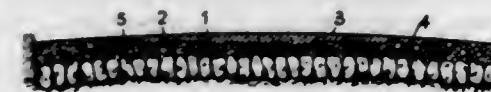
1. In a cloth-cutting machine, the combination of a cutting blade, a guard therefor arranged laterally with respect to the plane of the blade and mounted to swing into inoperative position alongside the blade, sharpening

means mounted to move into grinding contact with the blade and having means for engaging the guard to move the same into inoperative position, normally operative



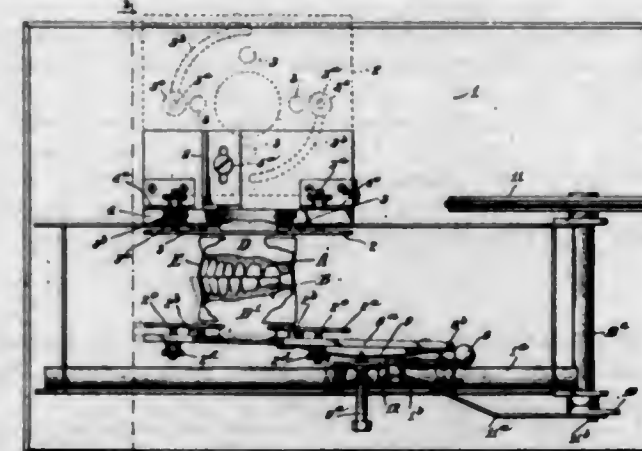
means for locking the guard in operative position, said locking means being released during the first part of the movement of the sharpening means toward the blade.

1,512,125. METHOD OF MAKING SURFACE COVERINGS. EMMANUEL MENDE, Bern, Switzerland. Filed Aug. 25, 1921. Serial No. 495,200. 2 Claims. (Cl. 94-22.)



1. Process for the manufacture of a cheap, homogeneous and monolithic covering for surfaces which are exposed to the action of traffic and the influence of the atmospheric elements, characterized in that, as a binding medium between an existing hard substratum and newly-provided sections of surface-covering, there is laid, upon the substratum after thoroughly cleansing and drying the same, followed by a high heating thereof, a firmly-adhering, very highly heated thin skin of soft pitch, upon which additional sections of the new surface-covering are spread in a hot state, producing a lasting union between the newly-provided sections of surface-covering and the existing substratum or individual portions of the same and effecting a knitting together of the surface-covering and substratum into a monolithic mass.

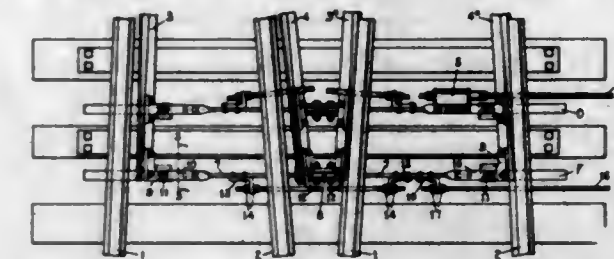
1,512,126. PROCESS AND MACHINE FOR GRINDING COMPLETED PLATES OF ARTIFICIAL DENTURES. JAMES S. MILLER, Trenton, N. J. Filed June 9, 1922. Serial No. 566,962. 14 Claims. (Cl. 32-1.)



7. In a machine for grinding full sets of artificial teeth which are fixed in upper and lower dental plates; the combination of a carrier plate for holding the upper set of teeth in a fixed position; a second carrier plate for holding the lower set of teeth; means for holding the two dental plates in correct bite relation; means for

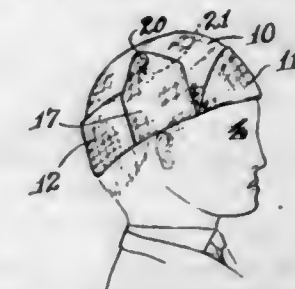
moving the lower set of teeth relatively to the upper set of teeth from the bite relation forward and back to the bite relation; and a closure surrounding the sets of teeth for confining a grinding substance.

1,512,127. DOUBLE-SLIP SWITCH FITTING. WALTER H. NEWMAN, Buffalo, N. Y. Filed Feb. 9, 1923. Serial No. 618,018. 11 Claims. (Cl. 242-158.)



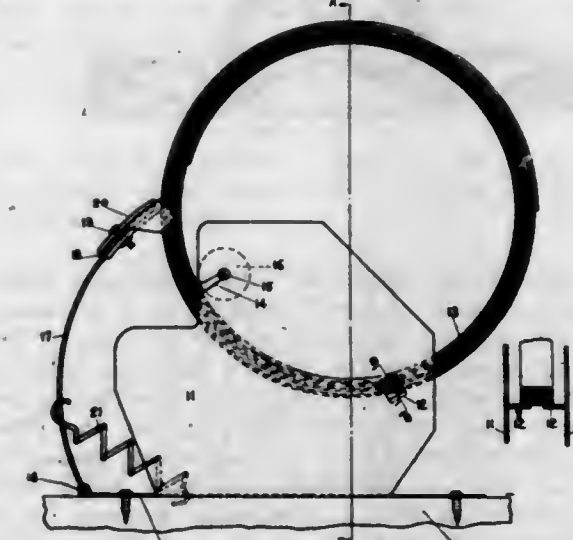
1. A double slip railway switch and fittings therefor comprising, two pairs of stock rails, two pairs of switch points associated with said stock rails, a switch rod extending transversely of and below said stock rails and switch points, and means lying in the same horizontal plane with said rod and spaced a considerable distance therefrom and adjustably fastened thereto for adjustably connecting said rod to one of said switch points.

1,512,128. CAP. PARKER J. O'BRIEN, Brooklyn, N. Y. Filed Nov. 19, 1921. Serial No. 516,252. Renewed Aug. 16, 1924. 4 Claims. (Cl. 2-195.)



1. A cap of the class described comprising a body portion, a muffer member and ear-laps independent of said muffer member, said muffer member and ear-laps being adapted to be normally supported in connection with the body portion of the cap and said ear-laps being adapted to be passed downwardly over the ears of the wearer, means for connecting the free end portions of said ear-laps beneath the chin of the wearer, and said muffer member being adapted to be passed around the neck of the wearer and to be detachably connected with the means for connecting the end portions of said ear-laps.

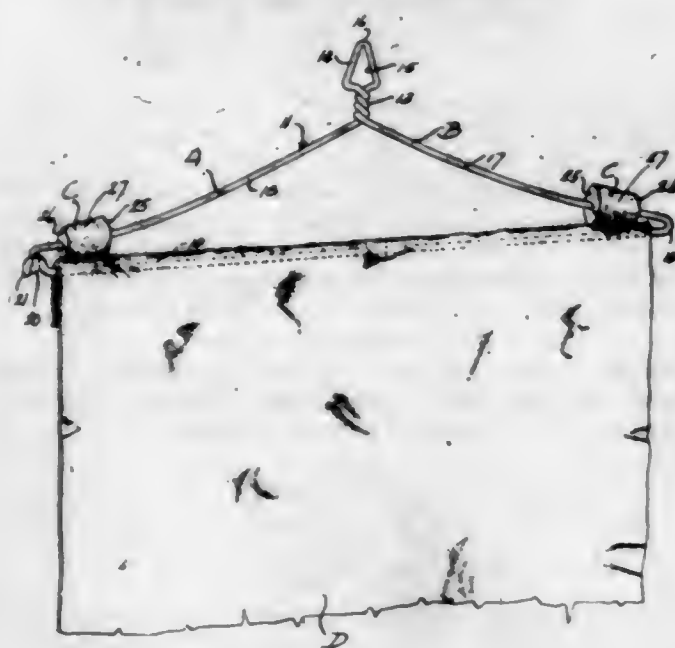
1,512,129. APPARATUS FOR HOLDING AND DISPENSING ROLLS OF SHEET METAL. ALBERT NORMAN PAFF, Beaver Falls, Pa. Filed Jan. 25, 1923. Serial No. 614,756. 11 Claims. (Cl. 211-31.)



1. A holder for suspending a roll of strip material comprising a casing having side members between which a portion of the roll of material extends, a pair of

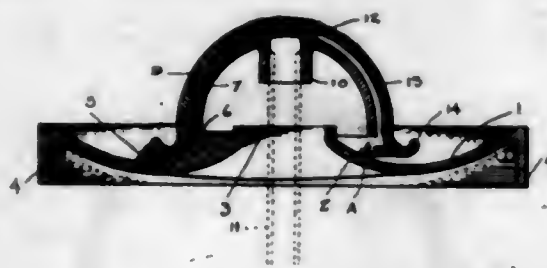
spaced bearing members secured intermediate the sides of said casing and located in different horizontal planes, one of said members bearing against the interior of the roll of material and the other of said members bearing against the exterior of the roll of material, and a tension arm adapted to engage the exterior of the roll of material adjacent the member bearing against the interior of the roll of material.

1,512,130. TOWEL RACK. WILLIAM LILISTON PARDEE, Lenoir City, Tenn. Filed Feb. 5, 1923. Serial No. 617,070. 4 Claims. (Cl. 45-32.)



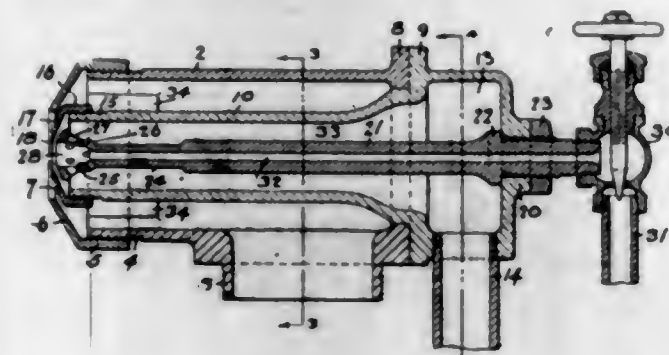
3. As an article of manufacture, a towel holder comprising a supporting bar, an arm formed at an end of said supporting bar extending in acute angular relation therewith, and a grip member slidable on said arm adapted to be moved therealong so that the same may directly engage and clamp a towel or other article against said supporting bar, said grip member when moved upwardly along said arm releasing its clamping action to permit removal of the towel.

1,512,131. OIL BURNER. VINTSON G. PATTERSON, Indianapolis, Ind. Filed Mar. 4, 1924. Serial No. 696,744. 2 Claims. (Cl. 158-80.)



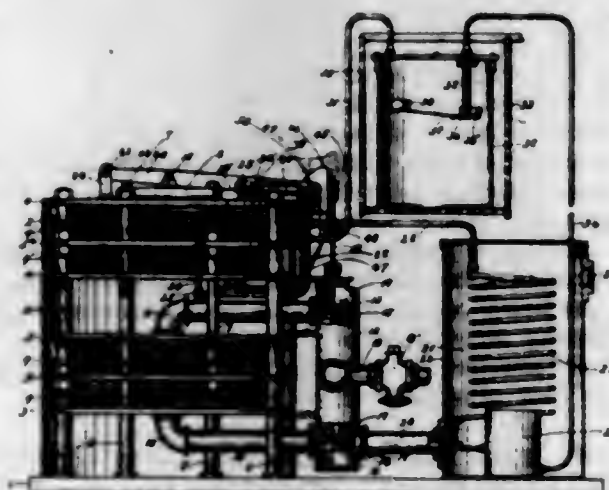
1. An oil burner comprising a base provided with an opening and formed to provide a fire pan, a plurality of ribs formed on the base and radiating from a point adjacent the opening to the firepan, said ribs being provided with a plurality of steps, an oil distributing member seatable upon certain of the steps of the ribs of the base and provided with a boss above the opening in the base, said oil distributing member being formed with a plurality of ribs and openings between the ribs and communicating with the interior of the boss at an angle thereto, and a dome seatable upon the ribs of both the oil distributing member and the base.

1,512,132. GAS AND OIL BURNER. FREDERICK G. PRAHL, Glassport, Pa., assignor, by mesne assignments, to S. Severance Mfg. Company, Glassport, Pa., a Corporation of Pennsylvania. Filed Apr. 13, 1923. Serial No. 631,808. 10 Claims. (Cl. 158-74.)



3. Combustion apparatus comprising a burner having a central liquid fuel tube, an annular channel surrounding said fuel tube, means for supplying either gaseous fuel or air to said annular channel, and means for utilizing a portion of said air to assist in atomizing said fuel.

1,512,133. REFRIGERATING PROCESS AND APPARATUS. THOMAS IRVING POTTES, East Orange, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Sept. 15, 1921. Serial No. 500,756. 11 Claims. (Cl. 62-178.)

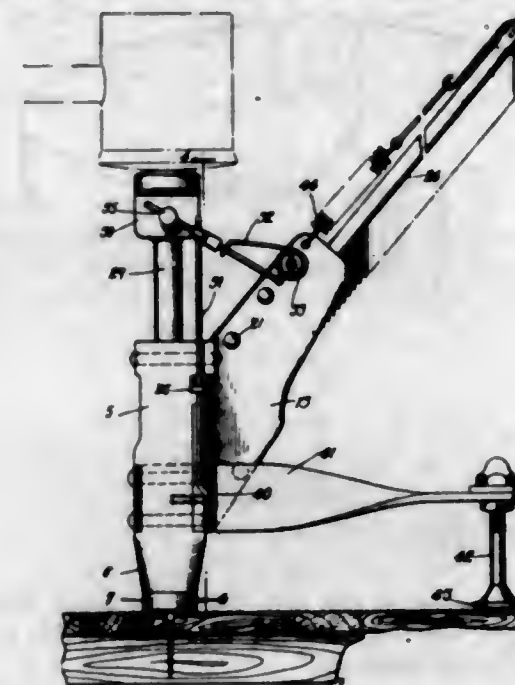


9. A method of refrigeration which consists in evaporating a volatile working fluid in a cooling chamber, exhausting the vapor from the cooling chamber and compressing the vapor, condensing the compressed vapor, returning the condensed vapor to the cooling chamber, and stopping the compressing by direct working fluid pressures when the rate of vaporization in the cooling chamber has been reduced to a predetermined point.

1,512,134. NAILING MACHINE. ARCHILL C. RACETT, Brooklyn, N. Y. Filed Oct. 23, 1922. Serial No. 596,405. 2 Claims. (Cl. 1-46.)

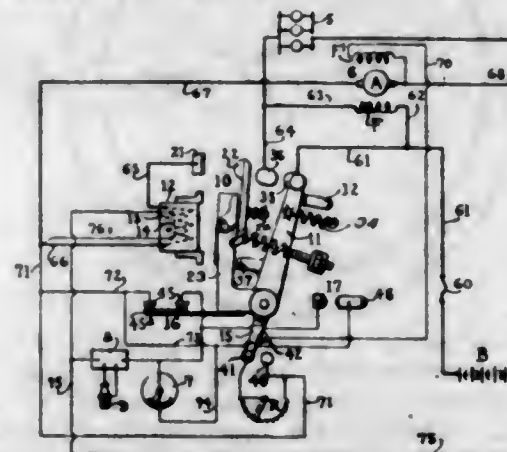
1. A nailing machine of the class described comprising a cylinder having a driving element operable therein, a grooved guide connected to one face of the cylinder, a feed tube attached to the upper end of the guide for successively feeding nails to the guide and cylinder, resilient members connecting the upper end of the driving element and the guide, a transversely operable feed slide

disposed at the lower end of the guide and on one face of the cylinder, an operating lever connected to said feed slide and the resilient members, said feed slide



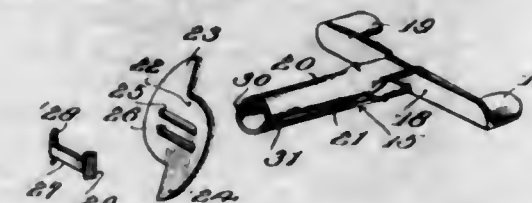
having a notch therein to permit the nails to drop successively to the interior of the cylinder and a nail positioning element in the lower end of the cylinder.

1,512,135. ELECTRIC-GENERATING SYSTEM. GUY R. RADLEY, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 17, 1921. Serial No. 452,919. 10 Claims. (Cl. 290-35.)



1. The combination with a storage battery of a load circuit to be supplied thereby, a dynamo electric machine having shunt and series field windings, the latter being permanently connected in said load circuit, an internal combustion engine for driving said machine and means for connecting said machine across the terminals of said battery inclusive of said series field winding for electrical cranking of said engine and for excluding said series field winding from such circuit for charging.

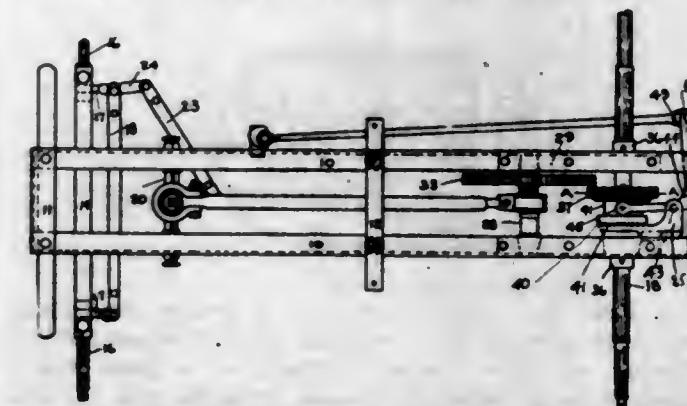
1,512,136. SPRING MOTOR. EDWIN C. RECHER, Keene, N. H. Filed Sept. 1, 1922. Serial No. 585,661. 8 Claims. (Cl. 185-45.)



3. The combination of a winding stem formed from a single blank to provide a handle portion and laterally bent opposed shaft portions, a pawl constructed and ar-

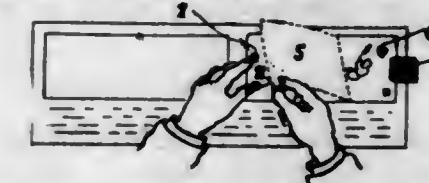
ranged to receive said shaft portions and to be locked in position by the deformation of said shaft portions to form the shaft.

1,512,137. PROPELLING AND BRAKE MECHANISM FOR VELOCIPEDES. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed Sept. 27, 1923. Serial No. 665,218. 8 Claims. (Cl. 192-4.)



1. In a vehicle of the class described, the combination of a frame having a driving axle rotatably mounted therewith, transmission mechanism, a slidable connector secured to rotate said axle, means for shifting said connector lengthwise on said shaft into and out of driving engagement with said transmission mechanism, and means adapted to be engaged by said connector for controlling the rotation of said axle when said connector is disengaged from said transmission mechanism.

1,512,138. ANIMATED PICTURE. CHARLES W. SAALBURG, New York, N. Y. Filed June 5, 1923. Serial No. 643,510. 2 Claims. (Cl. 88-19.)

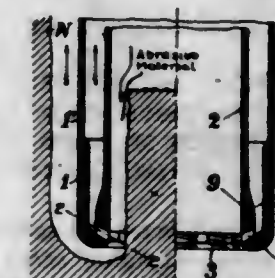


1. As a new article of manufacture, a main picture depicting a story and associated therewith an animated picture composed of two pictures adapted to be laid one over the other, each picture representing different attitudes of figures in the main picture, the upper one being adapted to be flipped back and forth to cover and uncover the lower one to produce the illusion of motion in the figures.

1,512,139. CONCENTRATION OF ORES BY FLOTATION. RALPH E. SAYRE, New Rochelle, N. Y. Filed Nov. 24, 1923. Serial No. 676,859. 9 Claims. (Cl. 83-85.)

1. The improvement in the concentration of minerals by flotation which comprises subjecting the mineral in the form of a nonacid pulp to a flotation operation in the presence of a heavy metal xanthate.

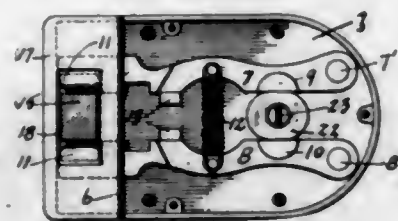
1,512,140. ROCK BORING. OTTO SCHAUB, Winterthur, Switzerland. Filed July 9, 1923. Serial No. 650,314. 15 Claims. (Cl. 255-1.)



1. The process of boring rock or the like which comprises introducing water under pressure at high speed onto or over the place where the bore is being made, and

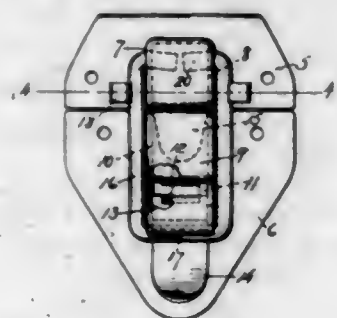
introducing an abrasive substance at the same place, the pressure-water and abrasive substance being conducted separately to the place where the bore is being driven.

1,512,141. LOCK. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 31, 1919. Serial No. 348,584. 1 Claim. (Cl. 70-74.)



In a lock, the combination with a keeper comprising a transverse member and a vertical member secured thereto having an outer curved surface, of a lock casing adapted to be fastened to a door with the end of said casing extending over the space between the door and door jamb and presenting a solid wall to said space, said casing being provided with a slot extending completely therethrough and having closed walls through which slot the keeper extends, a pair of separate locking bolts independent of each other and pivoted within the casing and having bevelled heads adapted to strike against and ride over the curved surface of the vertical member of said keeper whereby said locking bolts will automatically interlock with the keeper upon the closing of the door, a cam mounted in said casing intermediate said locking bolts and independent thereof and engaging the same and a spring fastened to and connecting said locking bolts and tending by its action to draw them towards each other.

1,512,142. FASTENER FOR THE COVERS OF TRUNKS AND SIMILAR DEVICES. ALBERT L. SESSIONS, Bristol, Conn. Filed Aug. 26, 1921. Serial No. 495,516. 12 Claims. (Cl. 292-247.)

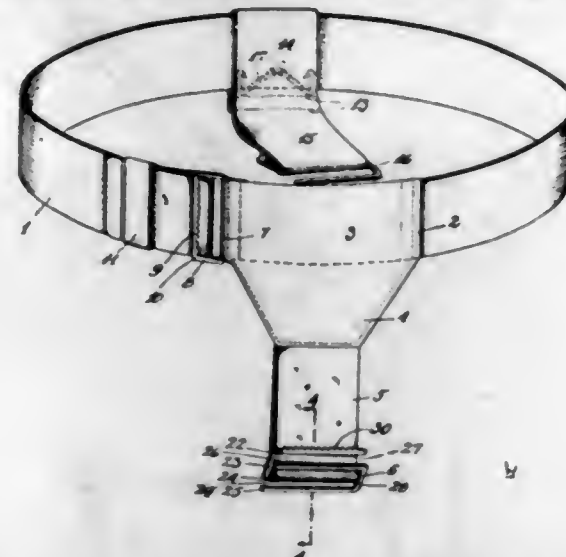


1. A trunk fastener comprising two plates, a holder upon one of said plates, a compression loop pivotally supported by one of said plates and mounted to open on being forced past said holder and being closed after it has been moved past the holder, and means upon the other plate to receive said loop to secure the parts bearing said plates together.

1,512,143. SUPPORTING MEANS FOR CATAMENIAL SACKS. ABRAHAM L. SMITH, New York, N. Y., assignor of one-half to Orilla M. Smith, New York, N. Y. Filed May 21, 1923. Serial No. 640,422. 1 Claim. (Cl. 128-291.)

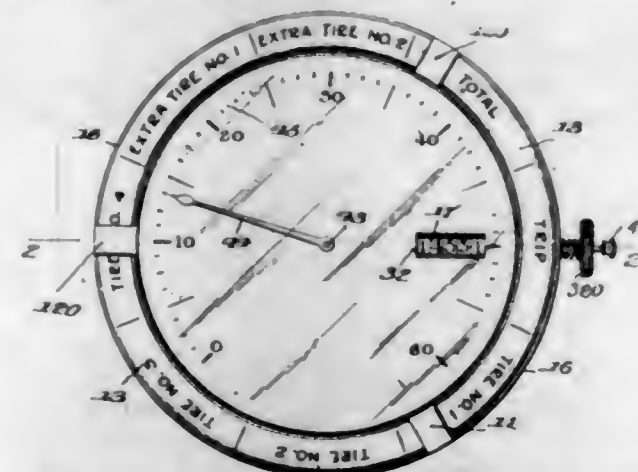
In a catamenial sack supporter, in combination, a relatively broad belt, a towel engaging strap having a loop by which it is slidably adjustable on the belt, and a localizing device secured to the loop in the lower portion thereof, said device having spaced vertical extensions with terminal, down-turned barbs that are inclined in-

wardly and adapted to releasably engage the material of the belt when opposed thereto, and said vertical extensions having smooth outward surfaces to permit the



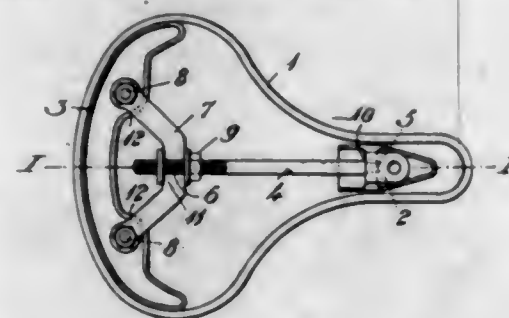
loop to slide freely on the belt, for adjustment purposes, when the belt has been shifted vertically to lie against said smooth outer surfaces.

1,512,144. METER. MARVIN SMITHEY, Lawrenceville, Va. Filed Jan. 3, 1917. Serial No. 140,385. Renewed Jan. 7, 1924. 3 Claims. (Cl. 235-95.)



1. The combination of a casing, a plurality of separate registers mounted in said casing, each register having its own device for receiving power to actuate the register and a single rotating power communicating member for actuating all said devices with reference to which said registers are concentrically arranged with their indicating devices extending in radial lines, said casing having a common point for the display of the register indications which they may be brought one at a time.

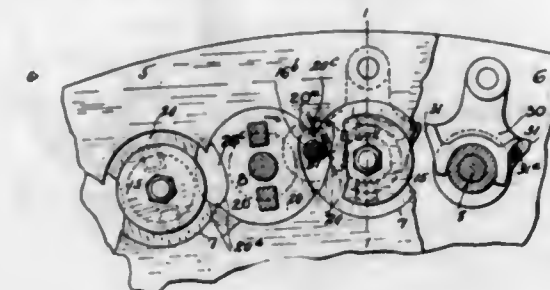
1,512,145. STRETCHING DEVICE FOR SADDLES FOR CYCLES AND THE LIKE. AUGUST WILHELM STANCK, Skovde, Sweden. Filed Sept. 5, 1923. Serial No. 660,997. 3 Claims. (Cl. 208-15.)



1. In a stretching device for saddles for bicycles, motorcycles, and the like, a flexible seat member, a nose piece secured thereto to support the front end thereof, a back plate rigidly secured to the seat member for sup-

porting the back thereof, a longitudinal bar extending rearward from said nose piece, a member on said back plate coacting with the longitudinal bar at spaced points near the rear end thereof so as to prevent the twisting of the back plate about a transverse axis, and means on said bar for spreading said nose piece and back plate to stretch the seat member.

1,512,146. CARRIER DRIVE FOR LACE BRAIDERS. HERMAN STAUD, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Sept. 5, 1923. Serial No. 661,012. 4 Claims. (Cl. 36-12.)



1. In a lace-making machine comprising a race-way plate having intersecting race-circle openings; a central post for each race-circle having mounted thereon a fixed disc-locking quill, a rotary drive gear, and a carrier-operating drive-disc movable into and out of engagement with said drive gear and fixed quill to alternately drive and lock the same; and a movable carrier-guide device operatively positioned only when said drive disc is moved into locking engagement with said fixed quill.

1,512,147. GAME. ARCHIE TEGTMEYER and LOUIS SCHNEIDER, Milwaukee, Wis. Filed July 2, 1921. Serial No. 482,059. 4 Claims. (Cl. 46-63.)

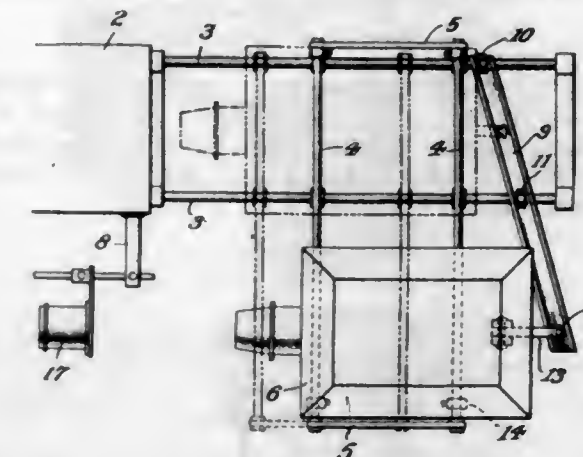
GAME '9	GAME '11	
ALL	APPLE	A
BED	BELOW	
COW	CAMEL	B
DID	DAILY	
END	EMPTY	C
FOX	FENCE	
GAME '10	GAME '12	
ABLE	AMOUNT	D
BIRD	BEHIND	
CARD	CATTLE	E
DEAR	DOCTOR	
EACH	EXCUSE	F
FEEL	FAMILY	

1. A game apparatus comprising the combination of a set of like cards, each having a series of words on one portion thereof and a portion of its remaining surface marked off into like subdivisions associated with the respective words and adapted to receive letter carrying elements, and a series of letter carrying elements each having a letter thereon and each adapted to be received within any of said subdivisions, whereby the person whose card first becomes filled with letter carriers in proper order to correctly spell the group of words permanently appearing on the card as constituting one game may be designated as the winner of that game.

1,512,148. ADJUSTABLE LAMP HOUSE. THEODORE F. UHLEMANN, New York, N. Y., assignor to Nicholas Power Company, Inc., New York, N. Y., a Corporation of Delaware. Filed July 2, 1920. Serial No. 393,601. 7 Claims. (Cl. 88-24.)

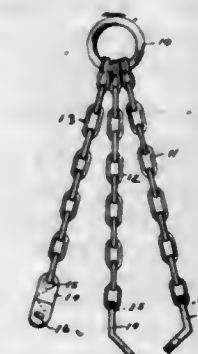
1. In a motion picture apparatus, a lamp-house and a stand therefor constituting parts of the apparatus, said lamp house being adjustable longitudinally and trans-

versely of the stand, and guiding means whereby a movement of the lamp-house of predetermined extent in one of said directions upon the movement of said house in



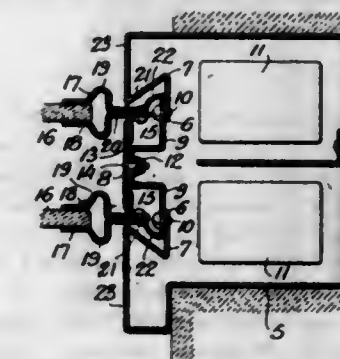
the other direction may be effected, said means comprising a guide associated with one of the said two parts of the apparatus and a cooperating element provided on the other of said parts for engagement with said guide.

1,512,149. HOISTING SLING. PAUL WAGNER, Wauwatosa, Wis. Filed Apr. 30, 1923. Serial No. 635,455. 6 Claims. (Cl. 294-78.)



1. A hoisting sling including a frame, and a plurality of strands of differing lengths supported therefrom and adapted for manipulation about said frame, whereby their sequence may be changed.

1,512,150. METAL WINDOW. JACOB WASSERBERGER, New York, N. Y., assignor to S. H. Pomeroy Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1922. Serial No. 538,676. 2 Claims. (Cl. 189-72.)



1. In a window, the combination of a hollow metal jamb having its opposite edge portions bent inwardly and in parallelism with the face, a closing strip having its edge portions secured to the edge portions of the jamb

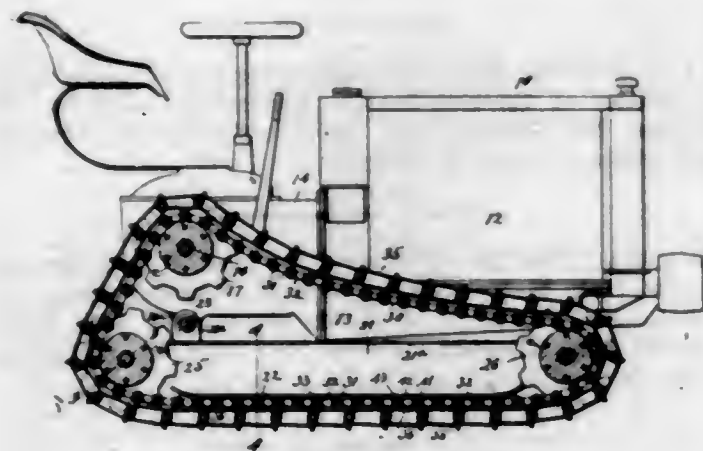
and having a projecting middle portion, whereby a chain pocket is formed with the edge portion of the jamb and within the plane of the face of the jamb, and a sash having a flange entered in the chain pocket and having a rounded offset to co-operate with the wall of the pocket.

1,512,151. RACK SUPPORT. LEWIS C. WETZEL, Windsor, Ontario, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed May 5, 1921. Serial No. 467,101. 7 Claims. (Cl. 205-37.)



1. In a device of the class described, in combination, a shaft, a rack bar pivoted upon said shaft and extending at substantially right angles thereto, and means for adjusting the position of one end of said shaft to thereby effect an angular adjustment of said rack bar.

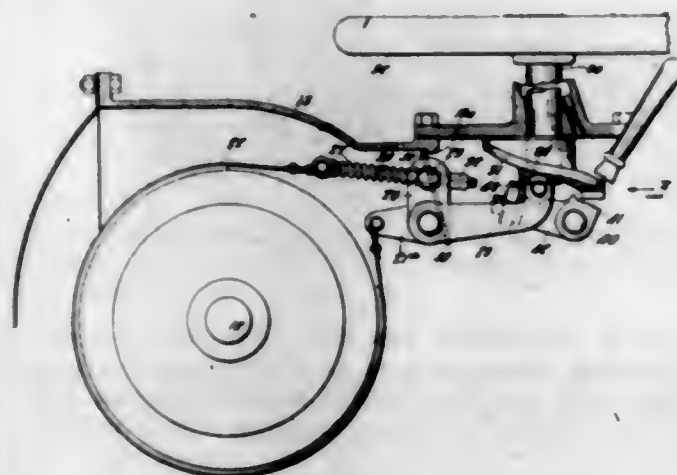
1,512,152. TRACKLAYING TRACTOR. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Dec. 9, 1920. Serial No. 429,416. 3 Claims. (Cl. 305-9.)



1. In a track laying tractor, the combination of a main frame, and an endless track structure on opposite sides thereof, each endless track structure including a runner which is operatively connected to the main frame, a double sprocket mounted on the runner near each end thereof, a double driving sprocket mounted on the main frame in a plane above the sprockets on the runner, each of the three sprockets having two sprocket wheels and a hub of smaller diameter between them, a jointed endless track-belt which embraces the three sprockets and passes beneath the runner, said track belt being provided with a plurality of laterally extended lugs which engage the sprocket wheels of the double sprockets, and a roller chain which embraces the hubs of the three sprockets and passes beneath the runner in engagement

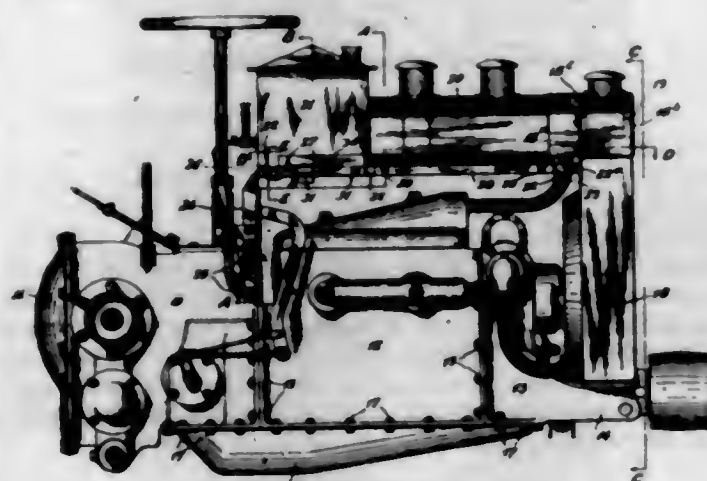
with it and the ground reach of the track belt, the runner being formed with a longitudinally grooved bottom shoe and each track belt link being provided with a longitudinally grooved track plate, and the rollers of the roller chain being of such length that as they pass beneath the runner they engage the longitudinal groove in the shoe and the longitudinal grooves in said track plates.

1,512,153. BRAKE MECHANISM. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Apr. 14, 1921. Serial No. 461,285. 3 Claims. (Cl. 180-17.)



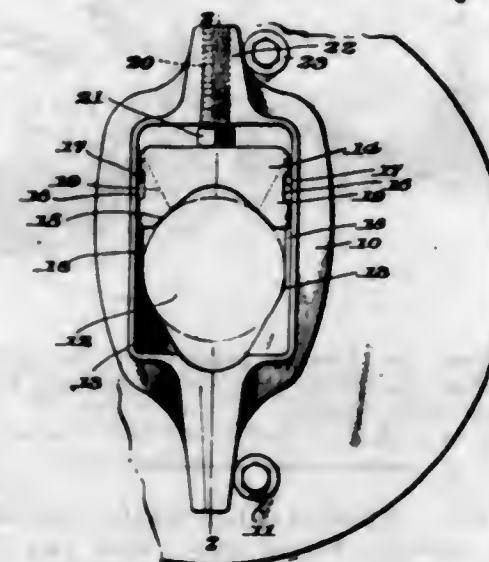
1. In a mechanism of the class described, the combination of two brake drums, a brake-band extending about each of said brake drums, two pivoted bell crank levers each of which is connected to operate one of said brake-bands, a rotatable steering post, a cam secured to rotate with said post and adapted to selectively engage either of said levers to apply one or the other of said brake-bands, means for simultaneously operating said levers, and a lever for moving said means into or out of operative relation with said cam.

1,512,154. TRACTOR. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Jan. 14, 1922. Serial No. 529,197. 6 Claims. (Cl. 180-54.)



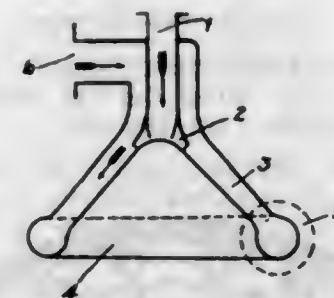
1. A frame for tractors comprising a transmission case having an opening through its bottom, an engine unit including the crank case having an open bottom, and a front gear housing having an opening through its bottom, said case, unit, and housing being detachably secured rigidly together, and a pan secured to said parts and closing the openings through their bottoms.

1,512,155. LATHE DOG. JOHN M. WOOD, Detroit, Mich. Filed Dec. 17, 1919. Serial No. 345,524. 1 Claim. (Cl. 82-41.)



In a lathe dog, a frame therefor including radial tails at the upper and lower ends of the dog in combination with suitable engaging means adapted to bear against said tails on the same sides thereof above and below the center of the dog whereby the dog may be driven in opposite directions.

1,512,156. EJECTOR. KARL BAUMANN, Urnston, England, assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Mar. 16, 1918. Serial No. 222,824. 14 Claims. (Cl. 230-13.)

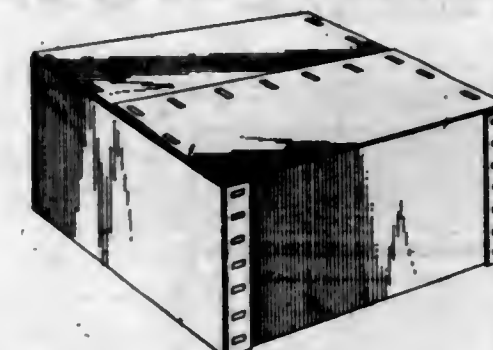


1. An ejector comprising an annular conical diffuser having a fluid intake or throat at its apex and a tangentially disposed discharge at its base, a fluid nozzle disposed to discharge motive fluid through the throat into the diffuser in a tangential direction, whereby conical-helical motion is imparted to the entrained fluid in passing through the diffuser, and means for imparting a rotary motion to the fluid to be entrained prior to its entrainment.

1,512,157. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Mar. 7, 1922. Serial No. 541,073. 9 Claims. (Cl. 220-23.)

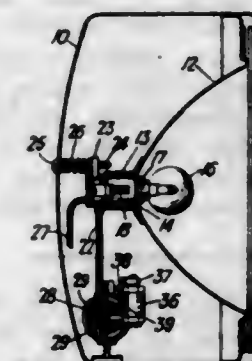
1. A shipping case of foldable board, comprising three separate blanks some of which are provided with integral foldable corner flaps, two of the blanks being end blanks forming each an end of the case, the remaining blank forming the bottom, and two side walls, the end blanks being set in substantially flush with the ends of the main blank and held there by the corner flaps being folded and secured to the adjoining blank, the three said

blanks being provided at top or charging side of the case with an aggregate of three or more sealing flaps each integral with a blank, all folded in, and some over-



lapped and the adjacent flaps stitched together without the material of the case being slotted to effect such stitching.

1,512,158. AUTOMOBILE HEADLAMP. THOMAS MILTON BRAGG, Mungeribar, and JOHN FREDERICK HOWARTH, Marrickville, near Sydney, New South Wales, Australia. Filed Feb. 26, 1924. Serial No. 695,188. 7 Claims. (Cl. 240-44.)



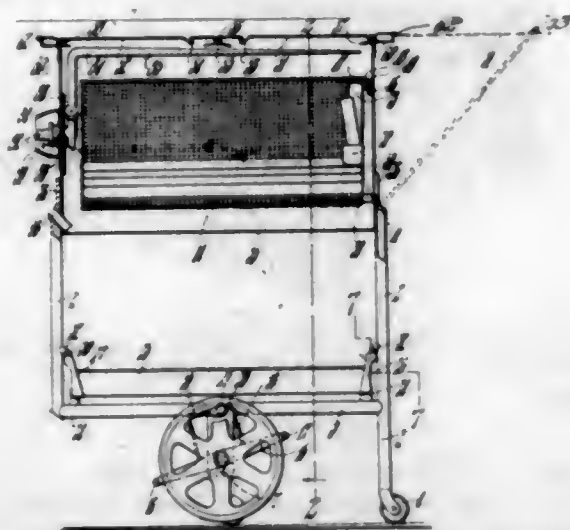
4. An automobile head lamp comprising a reflector, a source of light adjustably mounted in the axis of the reflector, opposed electromagnet coils, a toothed armature movable by either of said coils, a pinion engaging the teeth of the armature and adapted on the energizing of either coil to move the source of light with respect to the reflector and a distant controlled checking device for arresting the movement of the armature intermediate its throw.

1,512,159. SIPHON. WILLARD C. BRINTON, New York, N. Y. Filed Mar. 23, 1922. Serial No. 545,935. 7 Claims. (Cl. 137-20.)



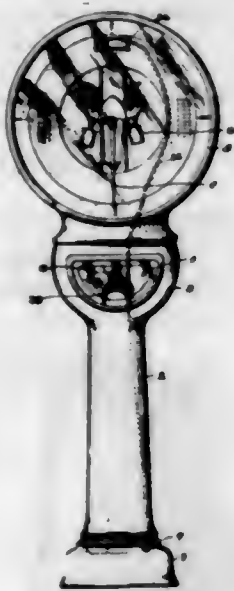
1. A self-starting siphon having an air trapping chamber connected with the intake side thereof and provided with a liquid concentrating throat in the discharge side thereof, consisting of an abrupt contraction in the siphon tube located relatively close to the peak in the bend of the tube and at the discharge side of said peak.

1,512,160. TEA WAGON OR THE LIKE. HENRY CAVE, Hartford, Conn., assignor to Knox Motors Company, a Corporation of Massachusetts. Filed Sept. 22, 1920. Serial No. 411,982. 5 Claims. (Cl. 280-50.)



1. In combination, a supporting frame comprising a pair of upright standards, a casing carried by said standards, supporting members carried by the frame below said casing, a tray slidably mounted upon said supporting members, cooperating means carried by the tray and standards, respectively, for preventing the removal of the tray from said supporting members, and means for disengaging said cooperating means comprising a pivoted member manually rotatable.

1,512,161. ADVERTISING SCALE. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,682. 7 Claims. (Cl. 40-28.)

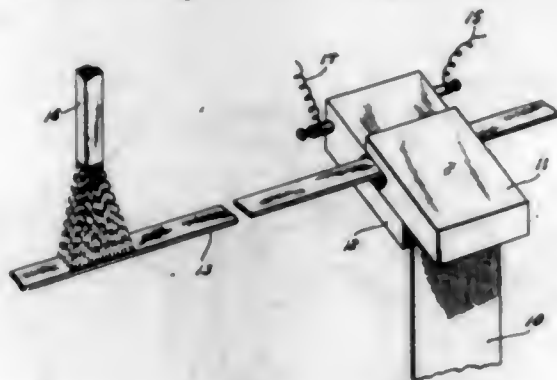


1. In a device of the class described, in combination, weighing mechanism, a platform supported thereon and independently movable relatively thereto, a movable advertising device, and means operated by movement of said platform relative to said weighing mechanism for moving said advertising device.

1,512,162. METHOD OF FORMING A LACING TIP. JOHN R. DENNIS, Providence, R. I., assignor to International Braid Company, Providence, R. I., a Corporation of Massachusetts. Filed Mar. 19, 1923. Serial No. 626,237. 4 Claims. (Cl. 18-59.)

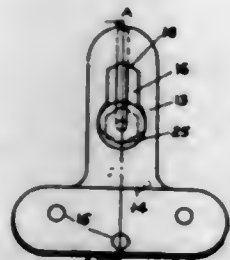
1. A method of forming a lacing tip, which consists in applying a celluloid solvent to a portion of the

lacing, advancing the treated portion to a set of dies, operating the dies to cut and wrap a length of sheet



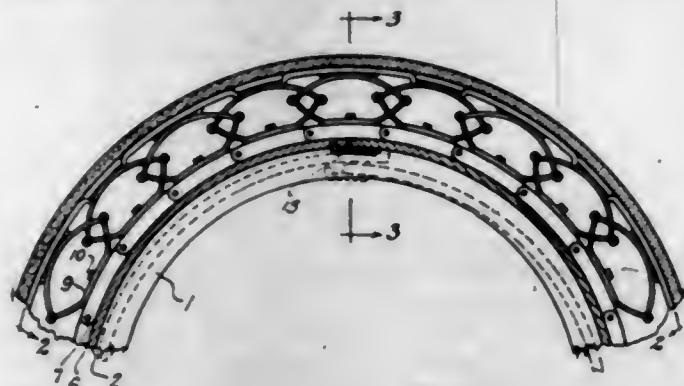
celluloid about the treated portion of the lacing and thus softening and forcing the celluloid into the interstices of the lacing fabric.

1,512,163. ADJUSTABLE BAIL CONNECTION. LEONARD DUCKETT, Elyria, Ohio. Filed July 13, 1923. Serial No. 651,254. 7 Claims. (Cl. 220-96.)



1. In combination with a receptacle, a ball having a journal at one end, and an ear secured to said receptacle provided with a single bearing, said journal cooperating with said bearing to maintain said ball rigidly with said receptacle in any one of a plurality of positions relative thereto when said receptacle is suspended from said ball.

1,512,164. RESILIENT TIRE. EGBERT O'NEAL FOWLER, Birmingham, Ala. Filed Oct. 22, 1923. Serial No. 669,966. 4 Claims. (Cl. 152-8.)

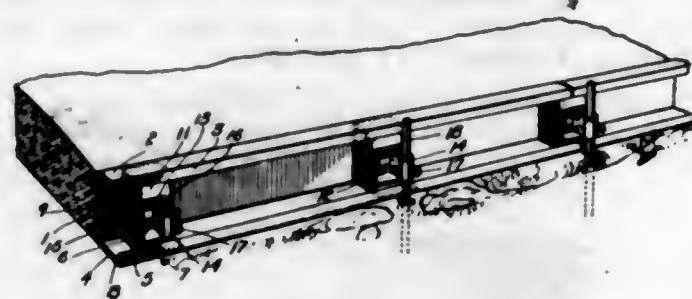


1. A demountable resilient annulus for use in tire casings to form a resilient tire, comprising spring bearing elements hingedly connected to form an annulus, springs mounted on said elements and adapted to be brought under initial compression when the annulus is forced into operating position between the tire casing and rim.

1,512,165. ROAD FORM. VERNON E. FUNKHOUSER, Kansas City, Mo. Filed Apr. 20, 1921. Serial No. 462,794. 2 Claims. (Cl. 25-118.)

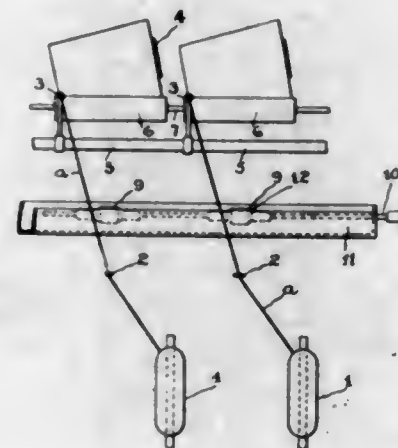
1. A road form member comprising a rail having a vertical web, top and bottom outstanding flanges carried by said web, a downwardly bent edge on one flange,

and upwardly and inwardly bent edge on the other flange, one edge facing the other, a pedestal mounted in the channel formed by the web and the flanges and having a foot plate resting upon one of the flanges and



provided with an extension extending into the groove formed by the upwardly and inwardly turned edge, the other end of the pedestal being held in position by the edge of the other flange, and an anchoring means for said pedestal.

1,512,166. WINDING AND DYEING MECHANISM. HERNE GORDON, Jr., and ROBERT MCCARTY, Utica, N. Y., assignors to The Skenandoo Cotton Company, Utica, N. Y., a Corporation of New York. Filed Dec. 4, 1923. Serial No. 678,403. 3 Claims. (Cl. 8-19.)

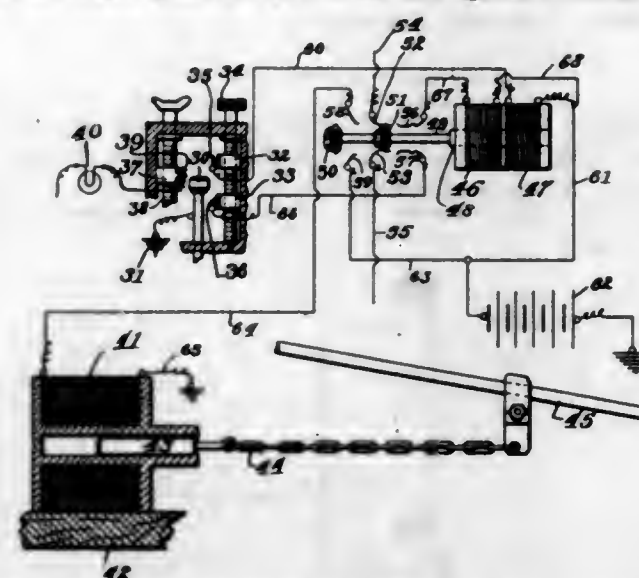


1. In a mechanism of the character described, the combination with a winding machine comprising means to transfer yarn or the like from one holder therefor to another and having a transverse or reciprocating guide operative to impart a traverse movement to the yarn, of means to apply coloring matter to the yarn, intermittently, said means being positioned within a portion of the plane of the traverse movement of the yarn whereby the coloring matter is transferred thereto by engagement of the yarn with the color applying means during a portion of its traverse movement only, substantially as described.

1,512,167. SPEED ARRESTER FOR VEHICLES. CHARLES GORE, Los Angeles, Calif. Filed Nov. 2, 1922. Serial No. 598,660. 4 Claims. (Cl. 188-181.)

3. In a speed control for vehicles having an ignition circuit, a switch for closing the ignition circuit, a solenoid, means controlled by said solenoid for applying a brake, a normally open switch controlling said solenoid, a pair of solenoids for actuating said switches, means operable by the propulsion and speed of the vehicle acting on the increase of the velocity of the vehicle to a predetermined speed to energize one of said pair of solenoids whereby said switches will be operated to interrupt the ignition circuit and close the circuit to the brake solenoid, said means being operable on decrease of velocity of the vehicle below a predetermined speed,

to energize the other solenoid of the pair of solenoids and thereby operate the switches to open the circuit to the brake solenoid and close the ignition circuit, and



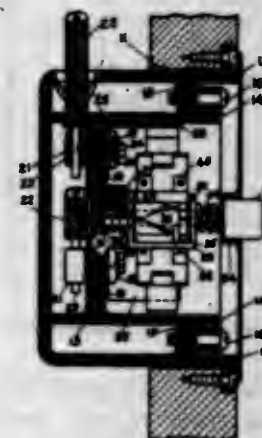
means for signaling when the vehicle is approaching the predetermined speed at which the ignition circuit will be open and the brakes applied.

1,512,168. SPARKING PLUG FOR INTERNAL-COMBUSTION ENGINES. MALCOLM ALLAN GRAY, Brixton, London, England. Filed Apr. 29, 1922. Serial No. 557,445. 3 Claims. (Cl. 123-169.)



1. A sparking plug comprising a hollow valve seat member adapted to be fitted to an associated cylinder, a radially apertured valve member screwed thereinto, an insulated electrode within said valve member and movable therewith, and a stationary cup for receiving priming liquid, and open to the atmosphere, said cup being shut off from the apertures in the valve member when the parts are in normal position but open thereto when said valve member is moved relatively to the hollow valve seat member.

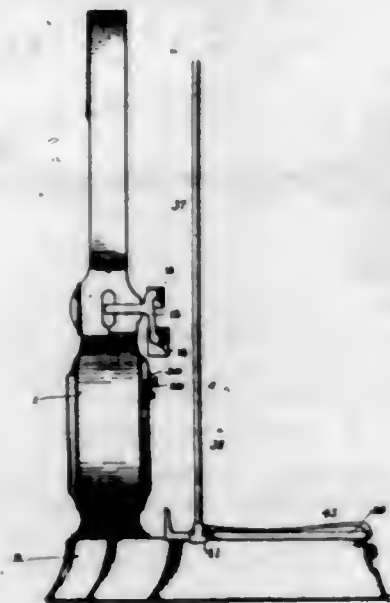
1,512,169. SINGLE-BUTTON SWITCH. ANTON F. GREINER, Detroit, Mich. Filed Dec. 29, 1922. Serial No. 609,770. 13 Claims. (Cl. 200-159.)



1. A switch comprising a housing, terminals carried by said housing, a contact member adapted to extend between two adjacent terminals, an axially operated

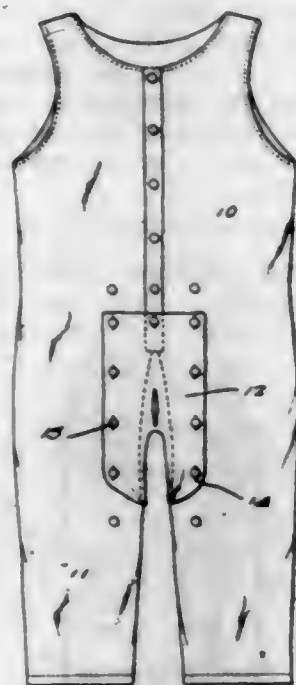
shaft for rotating said contact member in opposite directions, and means accelerated by the rotation of said contact member to further rotate said member to the opposite side of said housing.

1,512,170. **WEIGHING SCALE.** CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 10, 1919. Serial No. 343,856. 9 Claims. (Cl. 265—27.)



1. In a scale provided with an auxiliary commodity-receiver, in combination, weighing mechanism, including a steelyard rod, a weight supported solely and freely by said steelyard rod, and means to shift said weight off and on said steelyard whereby said weight may be substituted for the weight of the auxiliary commodity-receiver in bringing the scale to balance.

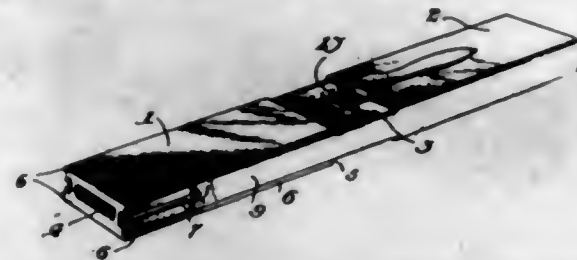
1,512,171. **UNDERGARMENT.** MICHAEL HOMLING, Buhl, Idaho. Filed July 12, 1922. Serial No. 574,463. 1 Claim. (Cl. 2—78.)



The combination with a one piece garment, of a crotch strip extending from front to rear and between the legs of the garment, and means extending along each side edge of the strip and engageable with means carried by the garment for adjustably holding the strip in position, said strip having an opening in its front, and being

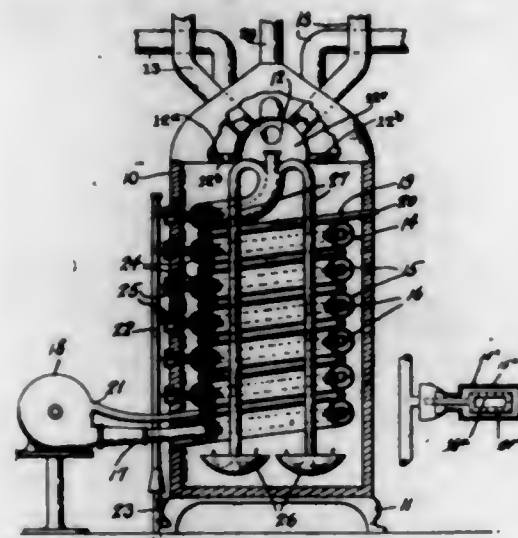
adjustable vertically both front and rear whereby said opening will be maintained in a constant position in relation to the bottom loop of the strip.

1,512,172. **PRINTER'S FURNITURE.** EDWIN B. HUNDLEY, Louisville, Ky. Filed Apr. 16, 1924. Serial No. 706,842. 8 Claims. (Cl. 101—402.)



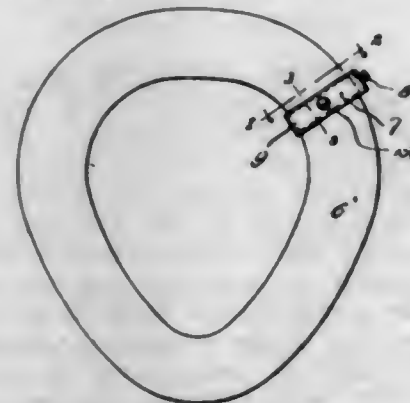
1. A device of the character described comprising two interfitting sections which when extended will present an unbroken surface of the length of one of the sections and a substantially unbroken surface to the remainder of the length of the two sections.

1,512,173. **HEATER.** DONOVAN DEWEY HUNT, Louisville, Ky. Filed Nov. 19, 1923. Serial No. 675,707. 4 Claims. (Cl. 126—116.)



1. A heating device of the character described comprising a casing, a plurality of distributor pipes leading from the top thereof, a coil located within the casing and including two air pipes one within the other, a blower having its outlet connected with one end of the inner air pipe, the upper end of said inner air pipe having communication with said distributing pipes, and an air inlet for the blower and burners located between the air pipes for heating the same.

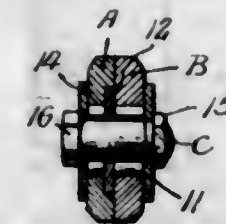
1,512,174. **TOILET-SEAT CLEANER.** BESSIE J. ISAAC, Jackson, Mich. Filed Sept. 29, 1923. Serial No. 665,575. 4 Claims. (Cl. 15—210.)



1. In combination with a wiping device adapted to extend from edge to edge of a toilet seat when resting upon the upper surface of the latter, of means upon the

ends of said wiping device engageable with opposite sides of the seat for guiding the wiping device when moved over the upper surface of the seat, said last named means embodying means for detachably securing the wiping device against the upper surface of the seat against accidental upward displacement.

1,512,175. **SHEARS.** CHARLES V. JESSEE, Ivan, Tex. Filed Nov. 25, 1921. Serial No. 517,743. 2 Claims. (Cl. 30—13.)



1. Shears of the type described, comprising crossed blades, a pintle, a circular arrangement of rollers, said blades having enlarged perforations receiving said pintle and also adapted to receive the circular arrangement of rollers, said rollers encompassing said pintle, keepers fixed to the blades, the free or remote ends of said keepers adapted to form closures for the terminals of said pintle receiving perforation, and a washer arranged between said blades and upon said pintle intermediate the adjacent ends of the rollers and engaged by the rollers.

1,512,176. **TOOL.** ALGOT T. JOHNSON, Jamestown, N. Y. Filed Dec. 17, 1923. Serial No. 681,282. 1 Claim. (Cl. 145—71.)



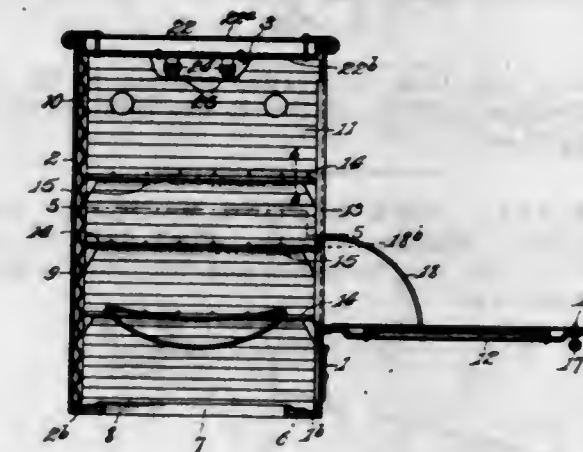
A tool of the class described comprising a handle, a tip having a socket for receiving the shank of a blade, means rigidly joining said handle and tip, a collar intermediate said handle and tip and mounted upon said joining means for rotation relative to said handle and tip, a vertical pocket in said collar, a passage leading from said pocket to the center of said collar, a lever pivotally mounted in said pocket the inner end thereof entering said passage when said lever is swung outwardly from said pocket, said lever adapted to be used in such position to hold the tool in contact with the work the inner end of said lever bearing against the top of said passage to steady the tool, the blade thereof being actuated by said handle independently of said collar.

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1,512,177. **PROCESS OF FORMING ABRADING ARTICLES.** PAUL KLEVER, West Chester, Pa., assignor to White Heat Products Company, West Chester, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1921. Serial No. 518,577. 7 Claims. (Cl. 25—157.)

1. The method of making an abrading article which comprises adding to a mass of dry solids including powdered or granular siliceous binding material and abrasive grains an amount of fluid less than 3% of the weight of said solids, molding said mass and firing the shaped article.

1,512,178. **SHEET-METAL OVEN.** HENRY KIELBERG, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Oct. 11, 1922. Serial No. 593,805. 5 Claims. (Cl. 126—275.)



1. A knock-down oven comprising a rectangular casing having the walls thereof in collapsible hinged relation, the front wall of said casing having a doorway therein, a bottom removably mounted within the lower part of said casing in bracing relation to the walls of the latter, shield plates removably mounted adjacent to the rear and end walls of said casing, said end shield plates being disposed in bracing relation to said rear shield plate, racks removably mounted within said casing and bracing said end shield plates, and a cover detachably mounted upon the top of said casing in bracing relation to the walls of the latter.

1,512,179. **SHIELD FOR OVEN RACKS.** HENRY KIELBERG, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Oct. 11, 1922. Serial No. 593,807. 4 Claims. (Cl. 26—275.)

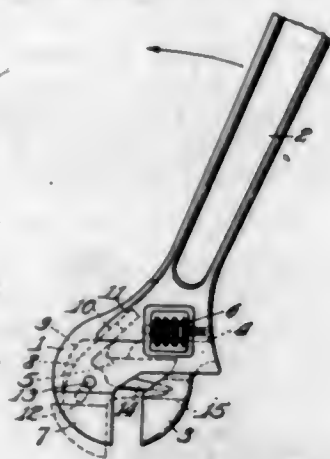


1. The combination with an oven rack embodying a frame and a plurality of cross bars carried by said frame, of a sheet metal heat-deflecting member attached to and disposed mainly in underlying relation to said rack, and a second sheet metal member depending from said rack and underlying the first mentioned member at a distance from the latter to provide an intermediate air space.

1,512,180. **WRENCH.** WILLIAM C. KISNER, Watson, W. Va. Filed Nov. 26, 1923. Serial No. 676,952. 5 Claims. (Cl. 81—165.)

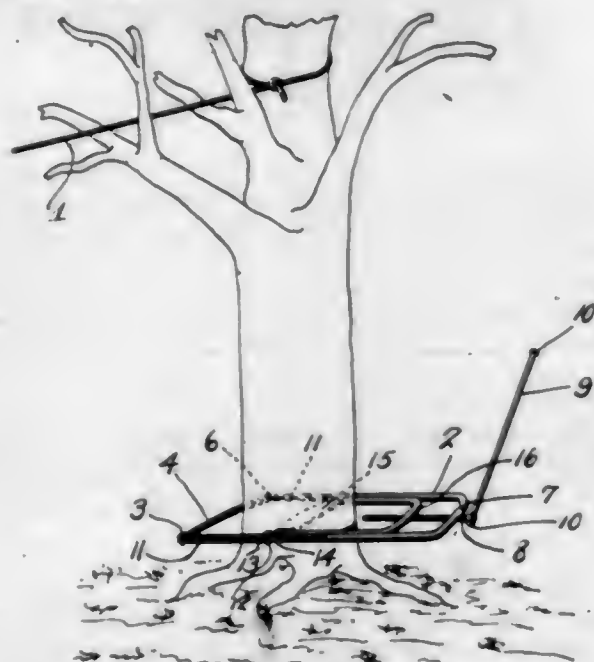
1. A wrench comprising a head portion having a transverse passageway therein, a jaw having an integral rack-bar disposed in said passageway, a worm engaged

with said rack-bar and rotatable to effect adjustment of the position of said jaw, and a jaw carried by said head in opposing relation to said adjustable jaw and



slidable to and from cooperative relation to the latter in a direction inclined relative to the plane of its nut-engaging face.

1,512,181. TREE-CUTTING MACHINE. ALFRED KNECHTEL, Tampico, Mexico. Filed July 19, 1922. Serial No. 576,164. Renewed Aug. 22, 1924. 2 Claims. (Cl. 144-34.)

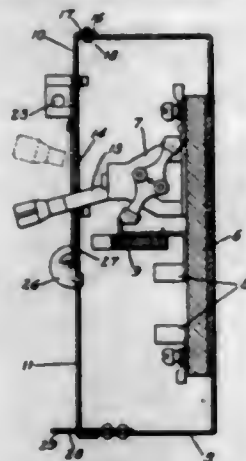


1. In a tree cutting machine, a substantially U-shaped frame to receive a tree to be cut therein, the parallel arms of the frame being bifurcated for the major portion of their lengths, a gate pivotally supported by one of the arms of the frame, means for latching the gate to the second arm of the frame, a screw having a non-threaded portion received in a bearing opening in the frame, a slidable operating bar for the screw, a substantially U-shaped blade carrying frame in the first mentioned frame having outstanding trunnions on the ends thereof, anti-frictional rollers on the trunnions received between the bifurcated arms of the first mentioned frame, a removable cutter blade on the last mentioned frame, and said last mentioned frame having a threaded opening to receive the screw therethrough as and for the purpose specified.

1,512,182. ELECTRIC SWITCH BOX. AXEL W. LUNDSTROM, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,463. 12 Claims. (Cl. 200-50.)

4. In a switch box, the combination of a cover comprising a fixed section and a hinged section, a switch in the box having a handle which projects through the

fixed section, a locking member carried by the hinged section, said fixed section having an opening through which it must pass when the hinged section is opened,



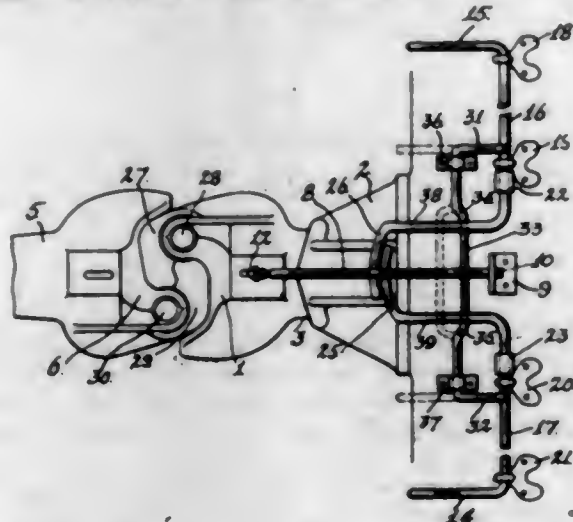
and a locking member which slides on a wall of the box and is movable with the switch handle, said locking member covering said opening and holding said projection immovable when the switch is closed.

1,512,183. TAP WRENCH. DAVID B. MILLER, Greenfield, Mass. Filed Feb. 21, 1922. Serial No. 538,286. 5 Claims. (Cl. 10-149.)



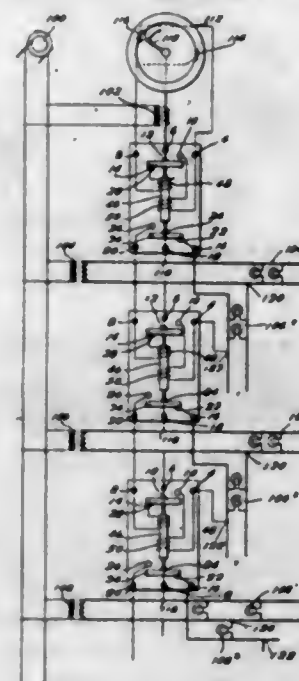
2. In a tap wrench, the combination with a body portion thereof having oppositely located flat and curved surfaces, gripping jaws having correspondingly shaped surfaces engaging the same, and operating handles threaded into the body portion which engage the gripping jaws for retaining the jaws in place and one of the handles being for adjusting one of the jaws and the other handle being for retaining the other jaw in a fixed position but permitting the removal of this jaw when the said other handle is removed from the body portion.

1,512,184. UNCOUPLING-SHAFT LOCKING DEVICE. FRANK E. RUSSELL, Alameda, and JAMES J. JORDAN, Oakland, Calif. Filed June 2, 1924. Serial No. 717,251. 2 Claims. (Cl. 213-169.)



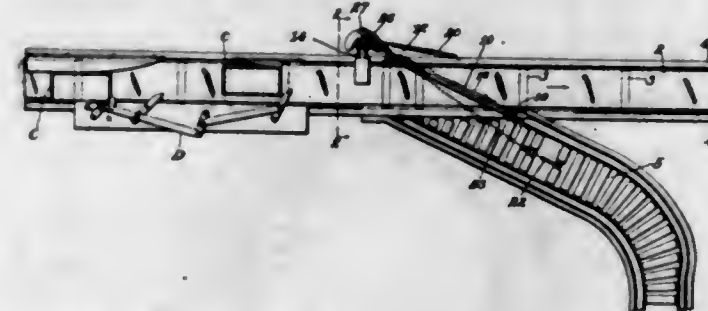
1. In combination with the coupler knuckle of an automatic coupler and its lock lift, lifting bar, and uncoupling shaft, a supplementary rocking crank shaft independently associated with said lifting bar and uncoupling shaft and adapted to lock said lifting bar in elevated position.

1,512,185. SYSTEM OF DISTRIBUTING ELECTRICITY AND APPARATUS THEREFOR. DANIEL SALAZAR M., Medellin, Colombia. Filed Mar. 7, 1922. Serial No. 541,875. 10 Claims. (Cl. 171-97.)



1. In a system of electrical distribution, a plurality of remote control switches arranged in succession, an independent work circuit for each switch and translating devices thereon, each preceding remote control switch controlling a succeeding remote control switch and cutting in and out translating devices from its own work circuit, each succeeding remote controlled switch being controlled through the independent work circuit of the preceding switch.

1,512,186. SWITCHING MECHANISM FOR CONVEYER SYSTEMS. ROBERT AMORY, Milton, Mass., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Mar. 22, 1922. Serial No. 545,702. 25 Claims. (Cl. 186-20.)

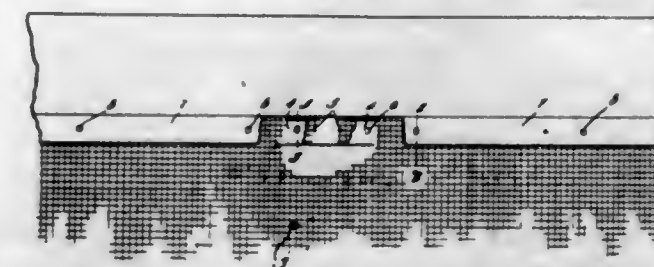


1. In a conveyer system having diverging ways for carriers, the combination of a switch for diverting carriers from one of said ways into another, and controlling mechanism for said switch comprising a device constructed and arranged to be struck by the carriers before they reach said switch and to be moved alternatively in planes substantially at right angles to each other by the carriers according to the part of the carrier engaging said device.

1,512,187. SCREEN DOOR OR WINDOW. ANDREW M. ANDERSON, Redmond, Wash. Filed Apr. 25, 1922. Serial No. 556,399. 1 Claim. (Cl. 156-14.)

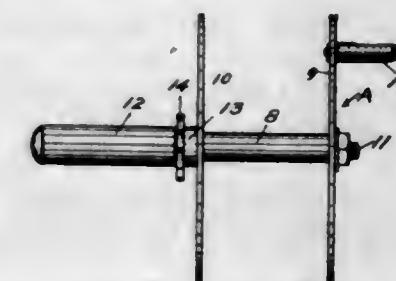
In a device of the class described, a frame rail having an external groove at the angle defined by one side surface and one transverse surface of the frame rail, an inner strip in the groove, a screen in the groove and bent upon itself to form a flange located between

the strip and the back of the groove, a securing element disposed approximately at right angles to the screen, the securing element passing through the screen and the strip and the flange and entering the frame rail,



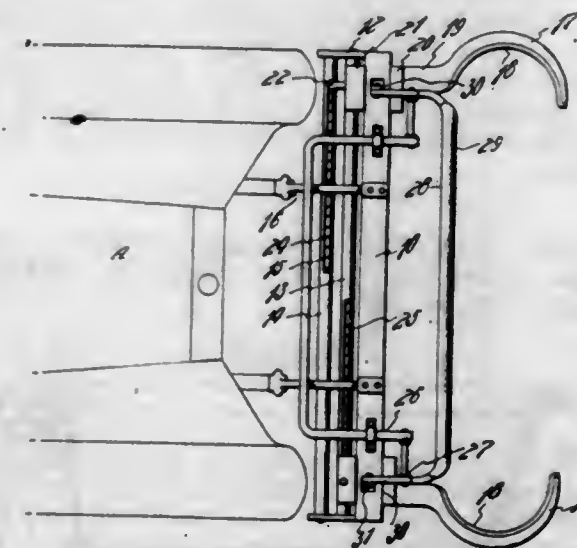
an outer strip housed completely in the groove and covering the securing element, and a securing member passing through both strips, the screen and the flange, and entering the frame rail.

1,512,188. REEL. PALMER L. ANDERSON, Minneapolis, Minn. Filed May 19, 1924. Serial No. 714,465. 5 Claims. (Cl. 242-100.)



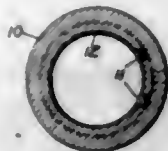
1. The combination including a reel adapted to contain a clothes line or the like, a handle projecting axially from the reel and rotatable with respect thereto, a supporting member adapted to be engaged by said handle to mount the reel, and a ratchet mechanism co-operating with the reel, to prevent rotation of the same in one direction.

1,512,189. SAFETY DEVICE FOR VEHICLES. ALFREDO BALINGAO, Natividad, Pangasinan, P. I. Filed Jan. 15, 1924. Serial No. 686,450. 4 Claims. (Cl. 293-16.)



1. A safety device of the character described comprising a stationary frame provided with means for attachment upon the front of a vehicle, a pair of hooks mounted upon the frame, spring means normally urging said hooks together, an impact released catch mechanism for holding said hooks in separated position, the hooks including shanks slidable along the frame, the shanks being formed with recesses adapted to register with openings in the frame, the catch means passing through said openings and engaging within said recesses.

1,512,190. BEARING AND METHOD OF MAKING THE SAME. EDWARD A. BARNES, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Dec. 28, 1923. Serial No. 683,256. 7 Claims. (Cl. 29—149.5.)



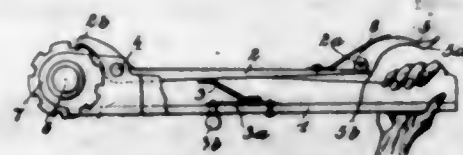
1. The method of making a composite bearing which consists in providing an outer shell with grooves on its inner surface to form oil passages, and cold pressing a lining of bearing metal, having a uniform thickness, into conformity with the inner surface of said shell and grooves.

7. A composite bearing comprising an outer rigid shell having grooves formed therein, and a lining of uniform thickness within said shell conforming with said grooves to form oil passages in said bearing.

1,512,191. HARD TOOL AND IMPLEMENT AND IN PROCESS OF MAKING. HEINRICH BAUMHAUER, Charlottenburg, near Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1922. Serial No. 609,337. 8 Claims. (Cl. 148—11.)

1. The process of treating a metal carbide which consists in saturating the pores of the carbide with a metal.

1,512,192. APPARATUS FOR LIMITING THE FORCE TRANSMITTED IN TOOLS AND MACHINES. IVAN BANKO, Vienna, Austria. Filed Mar. 5, 1924. Serial No. 697,114. 22 Claims. (Cl. 74—33.)



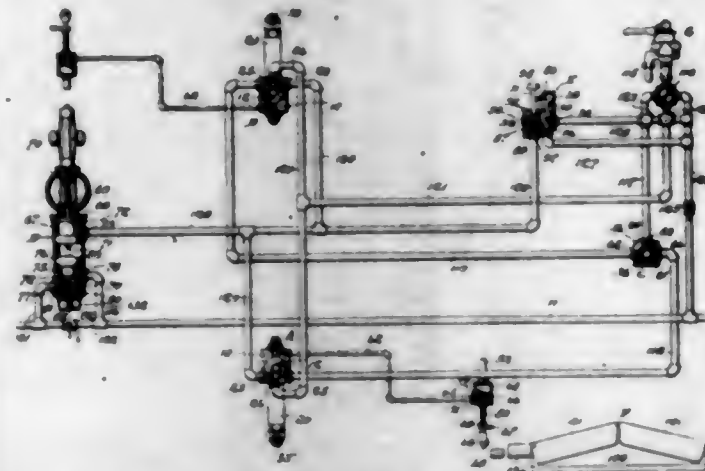
1. In combination with a power element a load element adapted to move relatively to the power element and a resilient body interposed between the two said elements and adapted to transmit movement from the power element to the load element and means for bodily adjusting the said resilient body relatively to the said elements.

1,512,193. BATHTUB. SIGURD O. BERNEN, Seattle, Wash. Filed July 7, 1922. Serial No. 573,254. 5 Claims. (Cl. 4—180.)



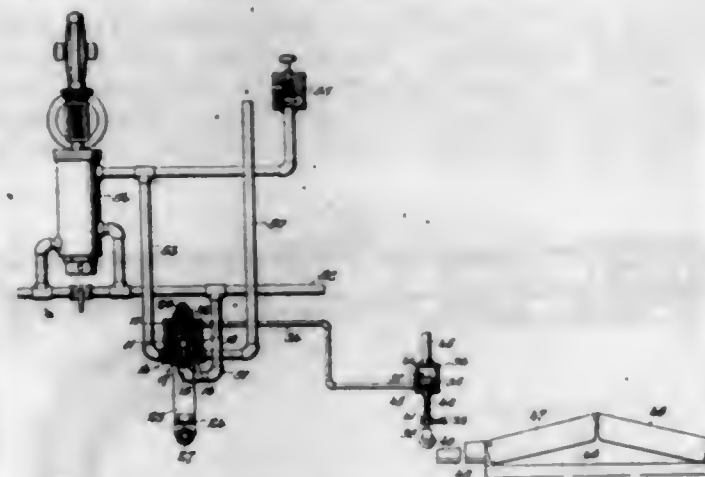
1. A device of the character described comprising a receptacle, a passageway formed around the upper edge of the receptacle and communicating therewith, a mixing chamber formed at the forward portion of the passageway below the same, said mixing chamber having communication with the passageway in its top wall so that said chamber will be filled before the water can enter the passageway, and means for connecting hot and cold water pipes to the mixing chamber.

1,512,194. RAILROAD SAFETY SYSTEM. DAVID J. BISSELL, Jr., Spokane, Wash., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash., a Corporation of Washington. Filed May 1, 1923. Serial No. 635,895. 6 Claims. (Cl. 246—190.)



4. In a train control system, a train pipe, a ramp operated mechanism, a pressure supply pipe, and a valve device connected to said pipe operable in one position to establish communication between the pressure supply pipe and ramp operated mechanism and between the train pipe and ramp operated mechanism; and in another position to close communication between the train pipe and ramp operated mechanism and establish communication between the train pipe and pressure supply pipe through said valve device.

1,512,195. RAMP VALVE FOR AUTOMATIC TRAIN CONTROL APPARATUS. DAVID J. BISSELL, Jr., Spokane, Wash., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash., a Corporation of Washington. Filed May 1, 1923. Serial No. 635,897. 9 Claims. (Cl. 246—190.)



8. In automatic train control apparatus, the combination with the train pipe and the fluid pressure supply pipe of an ordinary air brake system, of a valve having a normal position establishing communication between the pressure supply pipe and the train pipe and movable to another position to deny communication between the supply pipe and the train pipe and to simultaneously vent the train pipe, a releasable device to hold said valve in the latter position, fluid pressure operated means for effecting release of said device to permit the valve to move to normal position, and means for automatically operating said fluid pressure means under predetermined conditions.

1,512,196. UNCOUPLING DEVICE FOR CAR COUPLERS. CHARLES W. BOOTH, Chicago, Ill. Filed Sept. 17, 1923. Serial No. 663,183. 2 Claims. (Cl. 213—106.)

1. A link adapted for connecting the operating lever of a car coupler with the locking member thereof, com-

prising two link members, adapted to be connected together in overlapped position so as to be freely movable endwise relative to each other, the means for connecting



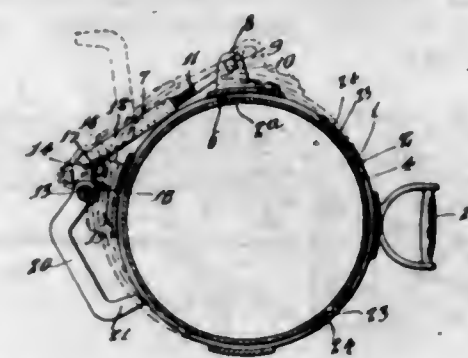
said link members comprising headed projections formed on their proximate ends, which respectively slidably engage slots formed in the other link members.

1,512,197. HEAT-INSULATING HANDLE. JOSEPH BORREL, Annecy, France. Filed Aug. 17, 1921. Serial No. 493,138. 6 Claims. (Cl. 16—116.)



1. A heat insulating handle device for household or kitchen utensils comprising a metallic handle adapted to be secured to the utensil and an upper and a lower shallow dish-like metal covering plate pivotally secured to the said handle at one end thereof, the said covering plates opening about their pivot for the purpose of cleaning.

1,512,198. JACKET OR OUTSIDE FORM FOR MANUFACTURE OF CONCRETE PIPE. ASA ALAN CLARK, Pixley, Calif. Filed June 10, 1923. Serial No. 646,333. 4 Claims. (Cl. 25—127.)

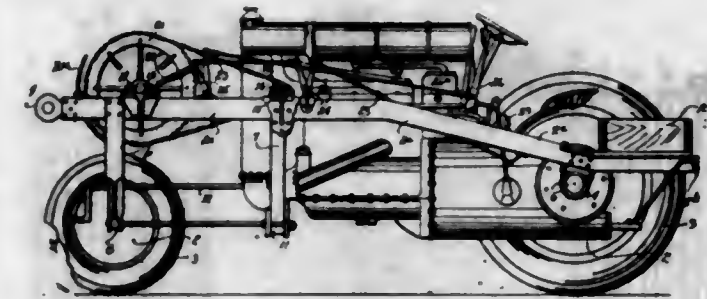


1. In a concrete jacket, the combination with a split shell liner, of a split skeleton frame for the liner, means for tightening the frame around the liner, and projections extending from the liner engaging the frame.

1,512,199. HOISTING ATTACHMENT FOR TRACTORS. HARRY A. CLARK, Wichita Falls, Tex. Filed July 22, 1924. Serial No. 727,517. 3 Claims. (Cl. 180—53.)

1. In combination with a tractor, a pair of side beams extending longitudinally thereof on opposite sides of its body and secured at their rear ends to the rear axle of the tractor, the beams projecting forwardly of the tractor, a U-shaped member fixed at its upper ends to the side beams and pivotally connected to the tractor be-

neath its radiator, a second U-shaped member disposed forwardly of the tractor and fixed at its upper ends to the front ends of the side beams, a front axle centrally

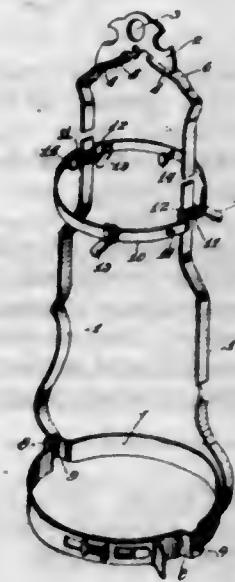


pivoted to the second U-member, and a common pivoting rod interposed between and forming the two pivot connections for said U-members.

1,512,200. FLUORESCENT SCREEN. WHEELER P. DAVEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 27, 1920. Serial No. 413,213. 3 Claims. (Cl. 18—57.)

2. The method of forming a hard, smooth, washable fluorescent screen which consists in pouring a mixture of a mineral fluorescent material, a binder of a celluloid compound, and an evaporable solvent into contact with a heated molding surface, allowing the mixture to harden by the evaporation of the solvent and detaching said layer when hardened by the action of a liquid.

1,512,201. HARP FIXTURE FOR LAMPS. CORTLAND W. DAVIS, Oak Park, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Jan. 27, 1922. Serial No. 532,255. 4 Claims. (Cl. 240—9.)

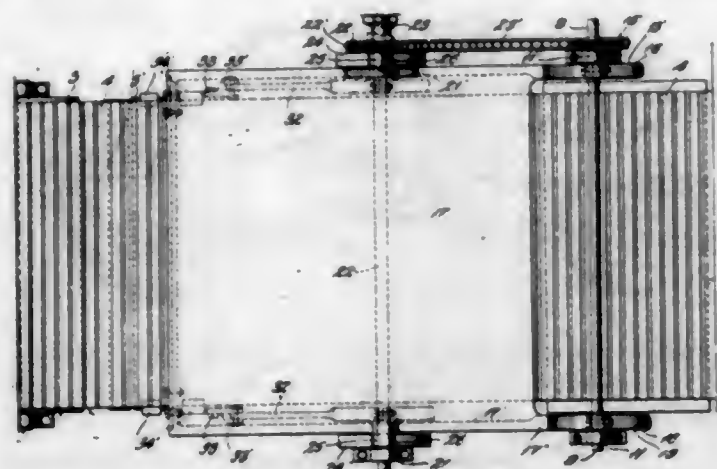


1. A harp fixture including side bars, a shade band having open external recesses disposed between and receiving said side bars, and a lamp band having open internal recesses receiving the lower portion of said harp.

1,512,202. CUT-OFF MECHANISM. LEWIS K. DAVIS, Washington, D. C., assignor to Vaughn Camp, Norfolk, Va. Replied for abandoned application Serial No. 470,068, filed May 16, 1921. This application filed Mar. 17, 1923. Serial No. 625,869. 9 Claims. (Cl. 164—49.)

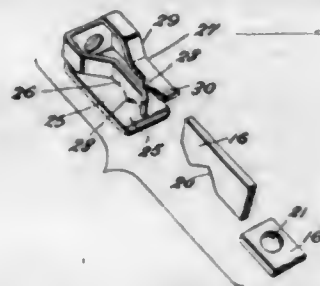
1. In a device of the character described, the combination with a base, of a movable table thereon over which a fabric is adapted to travel, a blade, a supporting bar

on which the blade is mounted, a cam to actuate said bar vertically, said cam being independent of said means to admit adjustment of intervals of operation, whereby



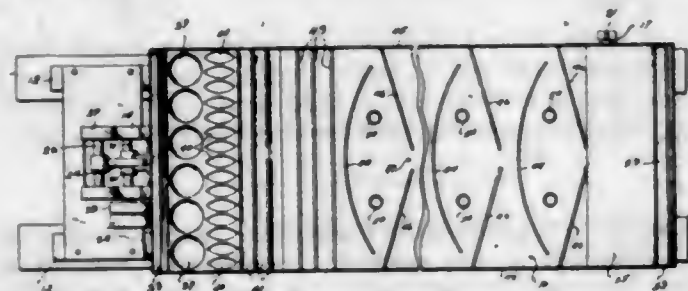
the fabric may be cut into predetermined lengths without any buckling thereof, and means to reciprocate said bar synchronously with the fabric.

1,512,203. COMBINATION CONTACT DEVICE. FRANK C. DE REAMER, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Oct. 21, 1921. Serial No. 509,344. 4 Claims. (Cl. 173-330.)



1. In a plug receptacle, a contact member for receiving plug contact blades, said contact member comprising a rectangular base portion and three contact fingers integral therewith extending substantially perpendicularly therefrom in the same direction, each of said fingers joining the base at and along a separate edge thereof whereby two of said fingers lie in parallel planes with the remaining finger lying in a plane at right angles to said planes and a contact blade locking projection along and integral with each of two corresponding edges of two of said fingers, each of said projections lying in the plane of the finger with which it is integral.

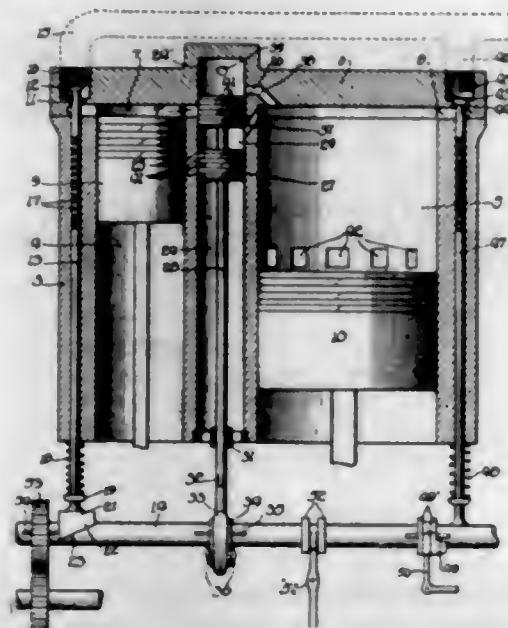
1,512,204. AMALGAMATOR AND CONCENTRATOR. CHARLES E. DICKENS, Pleasant Garden, N. C. Filed May 23, 1923. Serial No. 640,996. 12 Claims. (Cl. 83-67.)



1. A concentrator or amalgamator of the character described comprising a table having means whereby it may be supported at an inclination and means whereby it may be reciprocated, the surface of the table having a plurality of transversely curved riffles, the concave sides

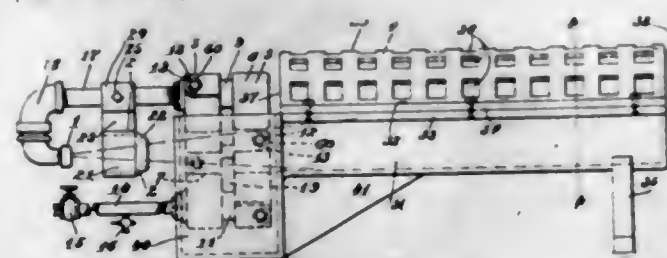
of the riffles extending toward the discharge end of the table and the riffles terminating short of the side walls of the table, and intermediate pairs of riffles extending transversely and forwardly from the side of the table and toward the middle thereof but spaced apart at their inner ends.

1,512,205. VALVE GEAR FOR STEAM ENGINES. LEWIS M. ELLIS, Chicago, Ill.; George M. Ellis, administrator of the estate of said Lewis M. Ellis, deceased, assignor to Winslow Safety High Pressure Boiler Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,930. 7 Claims. (Cl. 121-103.)



1. In a multiple expansion steam engine, the combination of a high pressure cylinder, a low pressure cylinder, an inlet to said high pressure cylinder, an outlet from said low pressure cylinder, a single transfer valve controlling the transfer of steam between said cylinders, and venting means cooperating with said transfer valve to afford a compression relief function for one of said cylinders.

1,512,206. LIQUID-FUEL BURNER. OSCAR FALKENWALDE and CHARLES O. FALKENWALDE, Baltimore, Md. Filed Feb. 13, 1922. Serial No. 536,046. 8 Claims. (Cl. 153-28.)

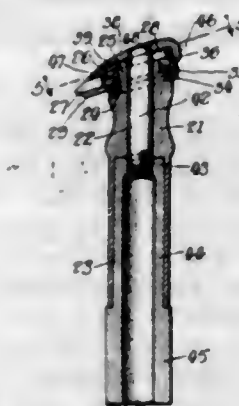


1. An oil burner comprising a combustion chamber having one of its ends open and the other closed and having an imperforate bottom wall and a perforated top wall, a pan located at the open end of said chamber, a vaporizer having a central opening and located within said pan, the pan being open at the top whereby air may reach the vaporizer, said bottom wall being elevated with respect to the base of the pan, and a nozzle in communication with said vaporizer and pointing in the direction of said opening.

1,512,207. RAZOR. GEORGE G. FLOYD, Riverside, Ill. Filed June 13, 1923. Serial No. 645,054. 6 Claims. (Cl. 30-12.)

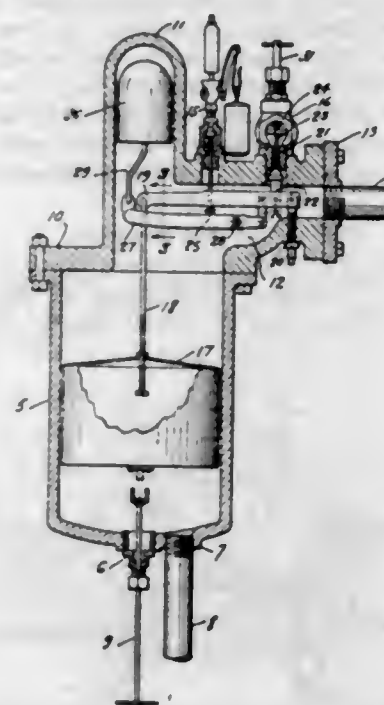
1. In a razor, the combination of a hollow handle having an outstanding hollow stud, a threaded member in said handle having an external portion by which it may

be turned, a blade-support on said stud having a blade-guard along its front edge and an outstanding flange along its rear edge, a clamp adapted to bear on the outer face of a blade on said support, said clamp having threaded engagement with said member whereby the clamp may be tightened and loosened and having a guiding-flange cooperating with said support-flange, an apertured gauge-plate on the side of said support opposite that



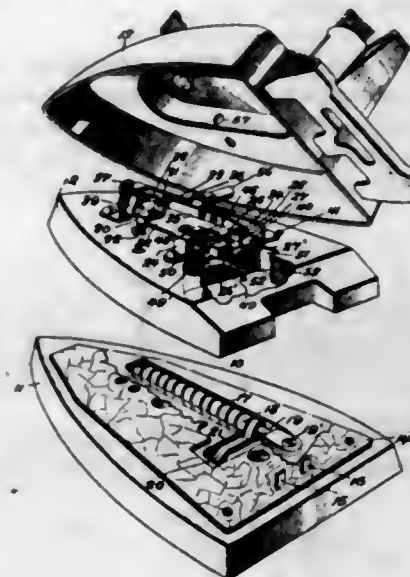
adapted to accommodate the blade and having a gauge-lug against which the rear edge of the blade is designed to bear, a cam in the aperture of said gauge-plate mounted for turning on said stud, a handle for said cam by which it may be turned to adjust the gauge-plate and blade transversely of said support, and cooperating means between said support and gauge-plate to guide the latter in its transverse adjustment movements.

1,512,208. AUTOMATIC PUMP CONTROL. WALTER L. FOSTER, Whittier, Calif., assignor to William Meredith and W. H. Taylor, both of Huntington Beach, Calif., and V. W. Bailey, Pasadena, Calif. Filed May 21, 1923. Serial No. 640,547. Renewed Aug. 30, 1924. 2 Claims. (Cl. 137-101.)



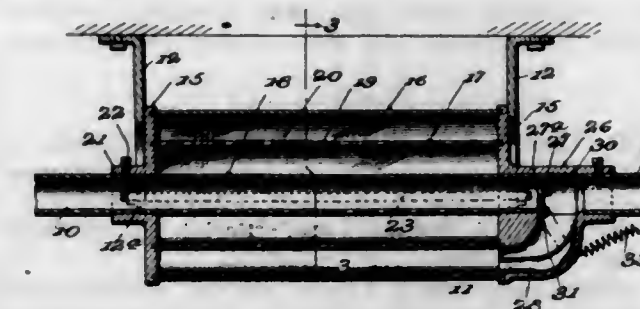
1. A boiler feed control comprising an equalizing chamber having a water connection at the bottom, a head affording a dome and valve mechanism chamber, a steam connection communicating with said chamber, a port in said chamber communicating with a steam pump connection, a valve controlling said port, a valve lever for operating said valve, an adjustable pivot post to which said lever is connected, a bucket float in said equalizing chamber secured to said valve lever and tending to open said valve, a weight lever pivotally mounted in said head and secured at one end to said valve lever, and a counter-weight disposed in said dome and acting upon the other end of said weight lever.

1,512,209. ELECTRIC HEATER. TRUMAN S. FULLER and JOHN A. WARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Aug. 24, 1921. Serial No. 494,041. 4 Claims. (Cl. 219-25.)



1. A temperature cut-out for electric heaters comprising in combination with a heated body, a thermostatic element within said body, a supporting plate mounted on said body in spaced relation thereto, stationary and movable switch contacts mounted on said plate, a spring for biasing said movable switch contact to open circuit position, a latch secured to said plate arranged to hold said movable switch contact in closed circuit position, and a lever arm secured to said plate having one end cooperating with said latch and the other end cooperating with said thermostatic element so as to be actuated by said thermostatic element to release said movable switch contact upon the occurrence of a predetermined temperature.

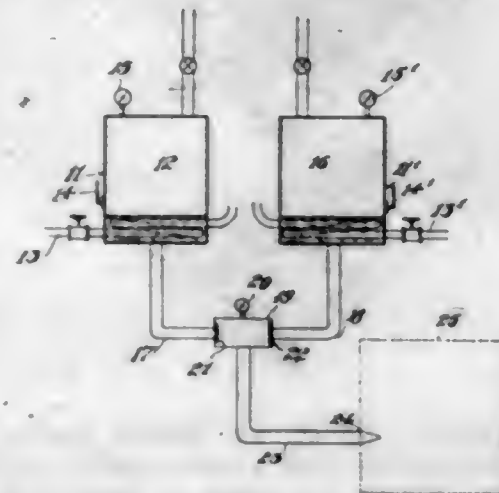
1,512,210. MUFFLER. PALEMON H. GASKINS, Jacksonville, Fla. Filed Nov. 10, 1921. Serial No. 514,243. 1 Claim. (Cl. 131-160.)



In a device of the character described, an exhaust pipe, a muffler comprising an imperforate cylindrical casing and a plurality of perforated drums arranged in spaced concentric relation with said casing and defining a series of expansion chambers, the inner of said drums being connected with the exhaust pipe, a tail pipe, a connection between said tail pipe and said muffler having a passage leading to the expansion chamber defined by the outermost of said perforated drums, and said casing, and a passage leading to the innermost of said drums, said last mentioned passage having a cross sectional area substantially coextensive with the cross sectional area of said innermost drum, a valve seat around one end of the innermost drum and in said passage leading to the innermost of said drums, an imperforate pivoted plate valve arranged in said connection and adapted to cooperate with said valve seat, said valve having an area exposed within the innermost drum equal to the cross sectional area of said innermost drum, spring means for normally maintaining said valve against said valve seat to shut off communication between the innermost drum

of the muffler and the tail pipe, and adapted to permit said valve to move so as to afford communication between said innermost drum and said tail pipe when the pressure in said muffler exceeds a predetermined point, and manually operated means for moving said valve against the action of said spring.

1,512,211. METHOD FOR USE IN SOAP-POWDER MAKING. JUDSON A. DE CROW, Mount Vernon, N. Y., assignor to Process Engineers, Incorporated, New York, N. Y. Filed Mar. 22, 1921. Serial No. 454,431. 1 Claim. (Cl. 87-16.)



A method for use in soap powder making which consists in heating soap and liquid soda separately, forcing the hot soap and liquid soda to impact against each other through orifices and forcing the hot mixture through a further atomizing device to further sub-divide, commingle and mix the soap and soda into an intimate non-jellying mixture.

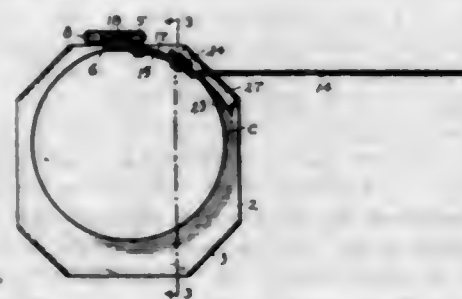
1,512,212. PAPER-SIZING COMPOSITION AND METHOD OF MAKING THE SAME. JUDSON A. DE CROW, Mount Vernon, N. Y., assignor to Process Engineers, Incorporated, New York, N. Y. Filed Oct. 27, 1921. Serial No. 510,832. Renewed July 9, 1924. 4 Claims. (Cl. 134-21.)

4. A method of producing a colloidal solution of aluminum resinate which consists in dissolving a resin soap in a protective colloid, dissolving aluminum sulphate in a protective colloid, and then mixing the solutions together.

1,512,213. PAPER-SIZING COMPOSITION. JUDSON A. DE CROW, Mount Vernon, N. Y., assignor to Process Engineers, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 9, 1923. Serial No. 618,123. 4 Claims. (Cl. 134-21.)

1. A sizing composition having therein substantially five parts of rosin size, approximately five parts of alum and approximately ninety parts of a starch product.

1,512,214. CAN OPENER. HUDSON K. DE LLOYD, Cleveland, Ohio. Filed Apr. 25, 1922. Serial No. 556,378. 3 Claims. (Cl. 30-3.)



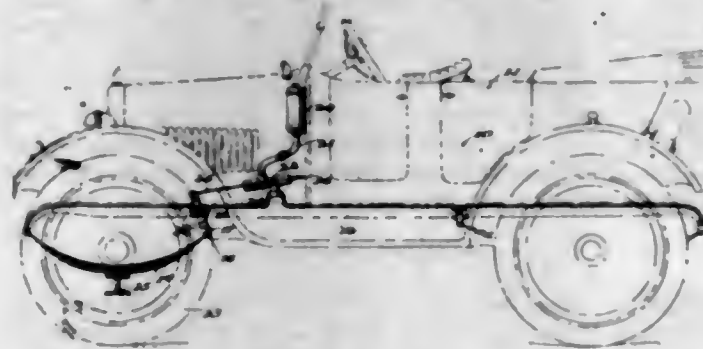
1. A can opener, comprising a base having a post hinged thereto, and a lever pivoted to said post having a cutting blade and a guiding projection both fixed thereto and adapted to engage the top and corner edge of the can.

1,512,215. POULTRY CAR. ISRAEL V. EDGERTON, Chicago, Ill. Filed Apr. 9, 1924. Serial No. 705,178. 14 Claims. (Cl. 119-12.)



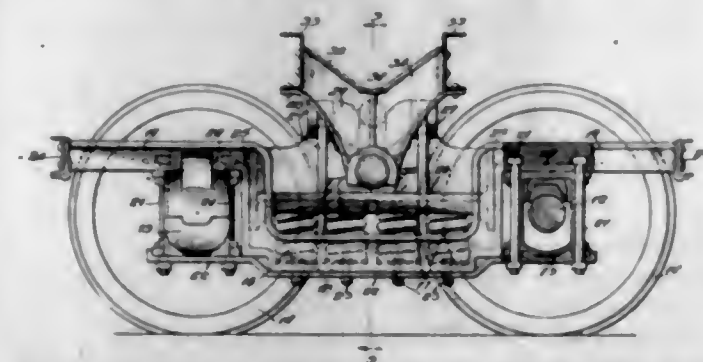
12. A poultry car having compartments on opposite sides of a longitudinal aisle, each compartment having a supplemental openwork floor whereon the fowls may stand, and a removable floor located beneath the supplemental openwork floor to catch the droppings passing therethrough and mounted to be drawn out into the aisle, said removable floor consisting of collapsibly connected sections which are free to be collapsed when drawn out into the aisle.

1,512,216. LUBRICATING SYSTEM. PALEMON H. GASKINS, Jacksonville, Fla. Filed Aug. 6, 1923. Serial No. 655,969. 3 Claims. (Cl. 184-7.)



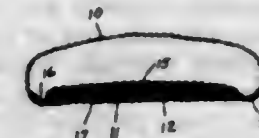
1. In a lubricating system for use with automobiles having a spring mounted for flexure, the mounting of the spring including a shackle, a lubricant supply, a valve casing connected with the lubricant supply and having a spring valve therein, conveying devices connected with the valve casing and with the points to be lubricated, and means for opening the valve in accordance with the flexure of the spring, including a steel wire having one end connected to the shackle, and having its opposite end of U-shaped form and arranged to engage the valve when the wire is pulled.

1,512,217. RAILWAY-CAR TRUCK. GARTH G. GILPIN, Riverside, Ill., assignor to Walter P. Murphy, New York, N. Y. Filed May 5, 1919. Serial No. 294,670. 18 Claims. (Cl. 105-197.)



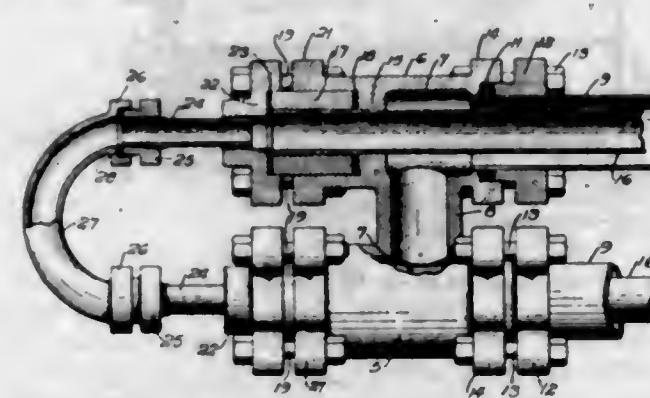
1. In combination with the body of a railway car adapted to be supported at its ends on separate trucks, and a truck for supporting the car at one end comprising two axles with their wheels and journal boxes; means for independently sustaining each side of the car body on the journal boxes at that side of the car comprising a spring support carried by said journal boxes, springs on said support, and a suspension device supported upon said springs and connected with the car body so as to permit longitudinal movement of the body with respect to the running gear and rotational movement of the running gear with respect to the body.

1,512,218. ARCH SUPPORTER. ELMER L. GOLDSMITH, Indianapolis, Ind., assignor to Frank T. Cutshaw, Indianapolis, Ind. Filed Oct. 23, 1922. Serial No. 596,458. 4 Claims. (Cl. 36-71.)



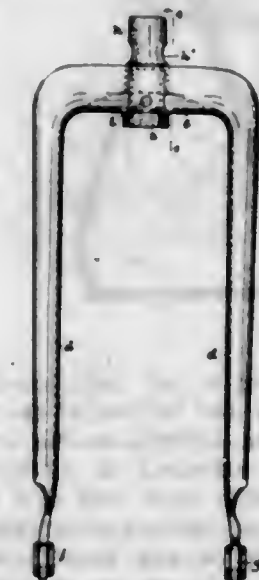
1. A supporter comprising an elastic elongated strap having overlapping ends secured to the strap to simultaneously form an adjustable pocket adapted to receive a pad and a foot-enveloping contractible band.

1,512,219. CONDENSER JOINT. JUSTUS C. GOOSMANN, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,270. 3 Claims. (Cl. 285-20.)



1. A condenser joint, comprising an outer tube, an inner tube, a header casing having a leak tight connection with said outer tube at one end and provided with a bridge wall intermediate its end, a sleeve threaded onto the outer end of the inner tube, packing interposed between the inner end of said sleeve and said bridge wall, a bonnet arranged over the outer end of said sleeve, packing interposed between said bonnet and said sleeve, means for clamping the bonnet to the header casing, and a pipe communicating with the inner tube through said bonnet.

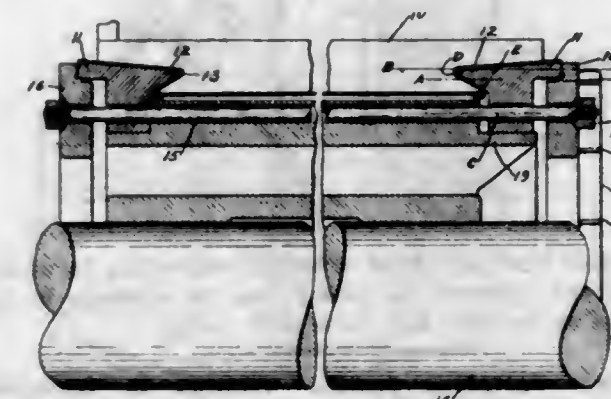
1,512,220. FLIER. JAMES H. HARNETT, Nutley, N. J. Filed Nov. 19, 1923. Serial No. 675,519. 4 Claims. (Cl. 118-57.)



1. A body part for a flier of the class described consisting of a sheet metal structure having a pair of depending longitudinally channelled legs and a longitudinally channelled connection integrally connecting the

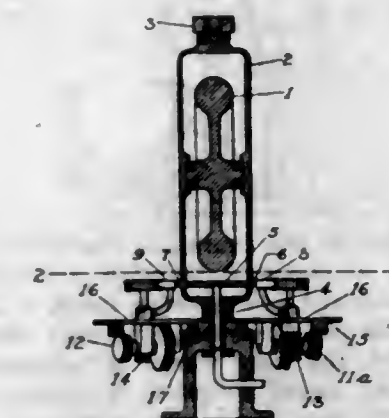
upper ends of the legs, the channel in each leg opening away from the other leg and the channel in the connection opening upwardly and each side wall of said connection forming with the corresponding side wall of each leg a single uninterrupted wall.

1,512,221. COMMUTATOR FOR DYNAMO-ELECTRIC MACHINES. FRANK A. HAUGHTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 5, 1924. Serial No. 697,120. 7 Claims. (Cl. 171-321.)



1. A commutator comprising a plurality of segments, a commutator shell, relatively movable clamping rings on said shell for securing said segments, resilient annular members in contact with said clamping rings on the center line of reactive force caused by the expansion of said segments, and bolts passing through said annular members for applying a clamping pressure thereto.

1,512,222. FOLLOW-UP MECHANISM. HARVEY C. HAYES, Washington, D. C. Filed Jan. 2, 1924. Serial No. 684,091. 5 Claims. (Cl. 74-78.)

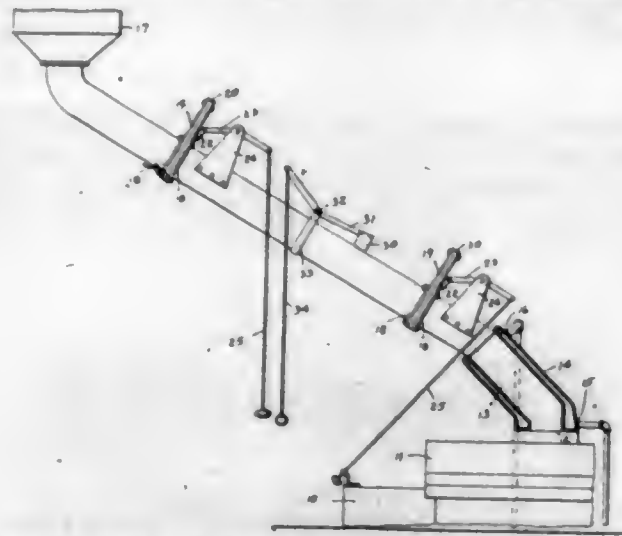


1. In a follow-up mechanism, a movable member, a fluid stream conductor having a plurality of outlets carried thereby, systems of gearing, a rotatable member, and means deriving motion from said fluid stream for imparting motion to said rotatable member through the gearing.

1,512,223. FEEDING DEVICE FOR GLASS FURNACES. FORREST L. HITCHCOCK, Indianapolis, Ind., assignor to The Marietta Manufacturing Company, Indianapolis, Ind., a Corporation. Filed Jan. 26, 1923. Serial No. 615,026. 2 Claims. (Cl. 214-35.)

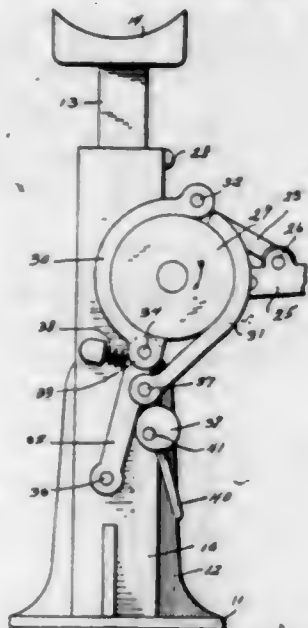
1. A feeding device for glass furnaces and the like having a permanent opening therein, comprising a feed pipe extending downwardly in position to be at all times in constant communication with said opening, means for supplying material to said pipe for discharging into said furnace, a sliding gate valve mounted on said pipe

so as to extend therein and close the same, a bell crank lever pivotally mounted on said pipe, a link connecting said bell crank lever and said gate valve, and means con-



ected with said bell crank lever and extending to within reach of the operator for permitting the same to be operated so as to open and close said valve.

1,512,224. LIFTING JACK. THOMAS R. HOLLAND, Wenatchee, Wash. Filed Mar. 14, 1923. Serial No. 625,109. 5 Claims. (Cl. 254-95.)



1. A lifting jack of the character described comprising a tubular base, a standard movable vertically within the base, the standard having rack teeth, a gear wheel mounted upon the base and engaging said rack teeth, a shaft upon which the gear wheel is mounted, a drum mounted upon one end of the shaft, a friction clutch operatively engaging said drum and having a lever, the clutch operating to frictionally engage the drum upon a movement of the lever in one direction but operatively disengaging from the drum upon a movement of the lever in the other direction, and frictionally operated means permitting free upward movement of the standard but locking the standard in a raised position and resisting downward movement thereof, and manually operable means for gradually releasing the frictional engagement between said frictionally operated means and the standard to permit the depression of the standard.

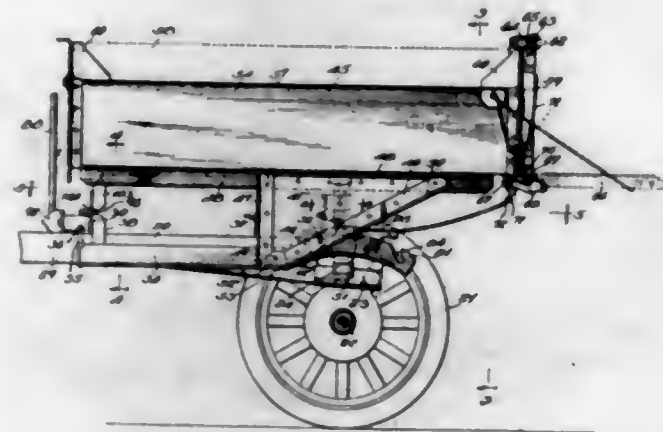
1,512,225. PROCESS OF SPEEDING CHEMICAL REACTIONS. HERMAN B. KIPPER, Muskegon, Mich. Filed June 23, 1921. Serial No. 479,799. 5 Claims. (Cl. 23-10.)

1. In chemical reactions accelerated by the use of catalytic agents, the step of keeping in rapid motion both these agents and the reaction materials during the progress of chemical reaction by means of rapidly rotating hammers.

1,512,226. PROCESS OF MAKING HYDROCHLORIC ACID AND SODIUM SULPHATE. HERMAN B. KIPPER, Muskegon, Mich. Filed Oct. 24, 1922. Serial No. 506,545. 2 Claims. (Cl. 23-1.)

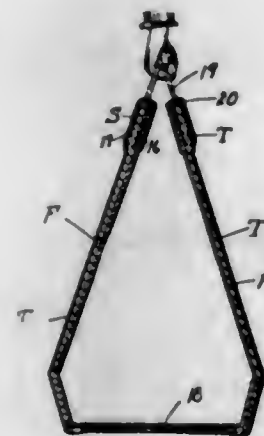
1. In the process which involves the reaction between sulphuric acid and sodium chloride and the simultaneous grinding of the sodium chloride and of the sodium hydrogen sulphate and sodium sulphate formed by means of rapidly moving hammers or metal bars, the step of heating said materials to from 200° to 800° C. to produce sodium sulphate and hydrochloric acid gas.

1,512,227. REAR-DUMP VEHICLE. ALBERT P. LEE and MAGNUS C. ANDERSON, Chicago, Ill., assignors, by direct and mesne assignments, to Lee Trailer & Body Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 10, 1922. Serial No. 535,451. 12 Claims. (Cl. 298-10.)



1. In a vehicle, a vehicle framework, a rear axle, a supplemental framework mounted on said vehicle framework, said supplemental framework comprising a longitudinally extending runway depressed below the top of said vehicle framework and extending over said rear axle.

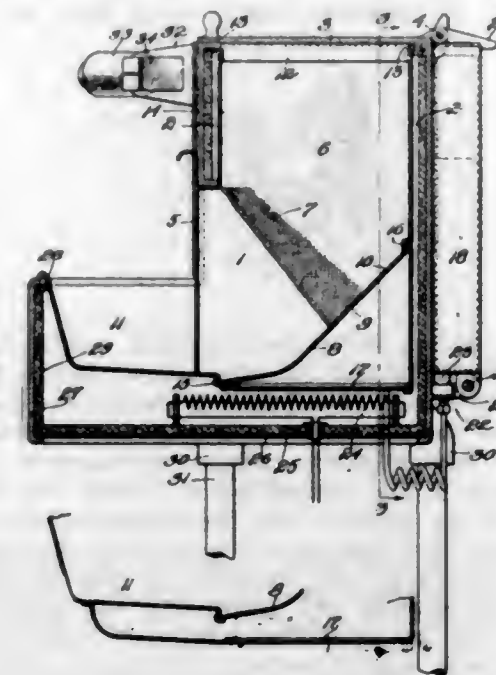
1,512,228. BAG. FERDINANDO D. MANNOCCI, Hollywood, Calif. Filed Aug. 25, 1922. Serial No. 584,266. 4 Claims. (Cl. 220-54.)



1. A bag comprising a bag body, cords having their free ends arranged at the bottom of the bag body, said ends being spread and secured to the bottom with the strands of one cord arranged in alternate relation to the strands of the other cord, and said cords being extended at the mouth of the bag to provide handles.

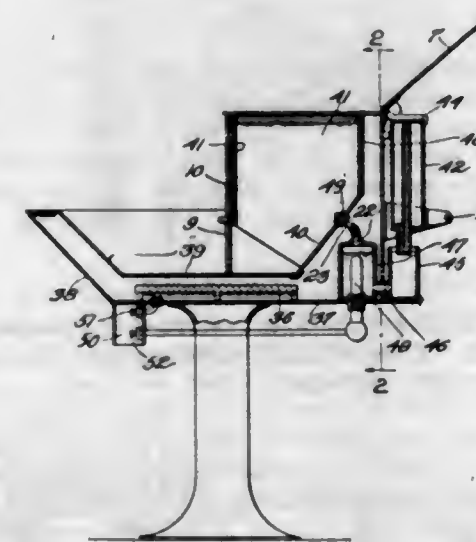
2. A bag comprising a bag body, reinforcing strips secured to the body adjacent the mouth thereof, cord members arranged at opposite sides of the body and extending between the reinforcing strips, the ends of said members being spread and secured to the bottom of the bag, and said members being extended from the mouth of the bag to provide handles.

1,512,229. SHOE-BOTTOM-FILLING MACHINE. GEORGE H. MAXWELL, Phoenix, Ariz. Filed Sept. 14, 1921. Serial No. 500,710. Renewed May 13, 1922. Serial No. 560,800. 48 Claims. (Cl. 18-1.)



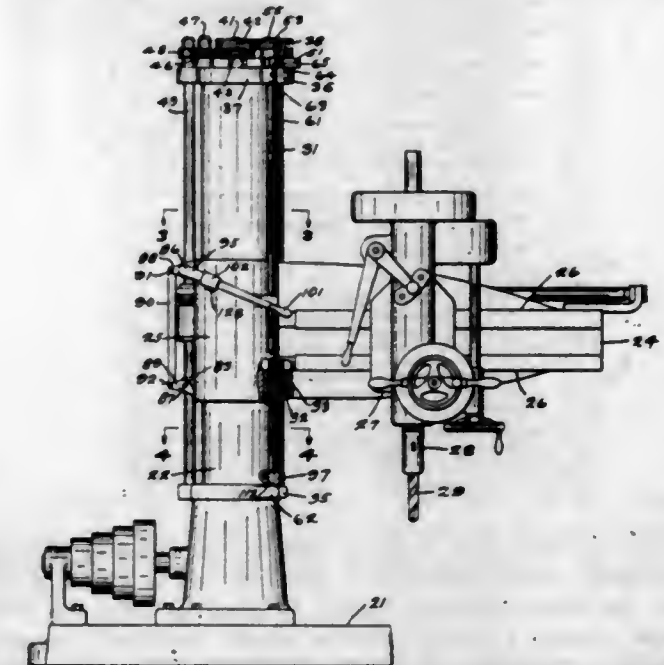
9. An apparatus of the kind described, having a delivery portion from which the filler is applied to the shoe bottom, and a filler-supply reservoir provided with a plurality of upstanding heating flues set sufficiently closely together to require the filler to be in relatively small fragments or segregated portions, combined with heating means arranged to maintain heat radiating from said flues in and throughout the mass of the filler in said reservoir and means for driving moisture along with said heat.

1,512,230. SHOE-BOTTOM-FILLER MACHINE. GEORGE H. MAXWELL, Phoenix, Ariz. Original application filed Apr. 19, 1923, Serial No. 633,148. Divided and this application filed Aug. 9, 1923, Serial No. 656,497. Renewed Aug. 11, 1924. 12 Claims. (Cl. 18-1.)



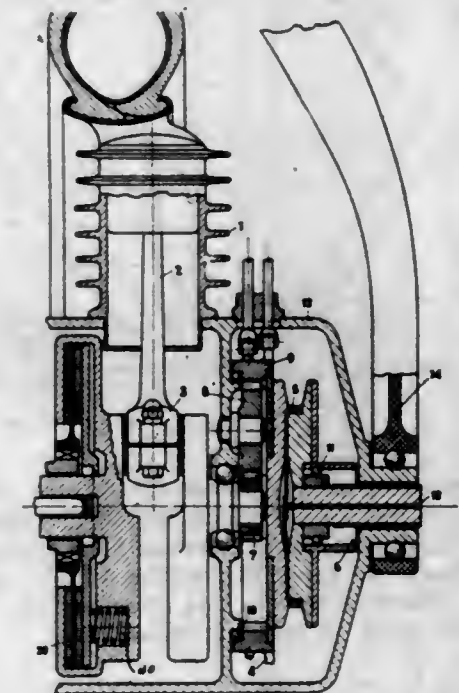
9. In a machine of the kind described, a filler supply reservoir and work-basin, a heat radiator and steam flue extending within said reservoir for hastening the melting and conditioning of the filler, a main electric heater for said apparatus, and a separate electric heater and water supply for furnishing steam to said steam flue and radiator, said two heaters having independent current controlling means.

1,512,231. SAFETY MEANS FOR DRILLING MACHINES. OSCAR W. MUELLER, Cincinnati, Ohio, assignor to The Mueller Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 5, 1923. Serial No. 622,806. 11 Claims. (Cl. 77-28.)



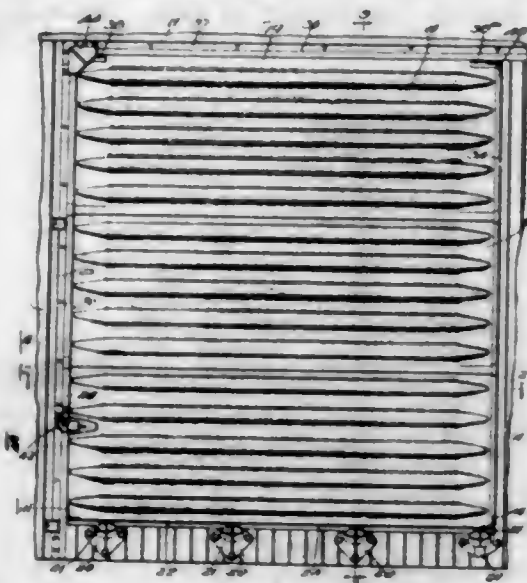
1. In safety means for a drilling machine, the combination of a drill-arm, a member concerned in adjusting said drill-arm, a member concerned in clamping said drill-arm, an operating part for coaction with either of said members, and connecting means between said operating part and said second-named member arranged for automatically causing locking relation in said connecting means during clamped relation of said drill-arm and release relation in said connecting means during unclamped relation of said drill-arm.

1,512,232. MOTOR DRIVE FOR MOTOR-DRIVEN CONVEYANCES. EUGEN LUDWIG MÜLLER, Munich, Germany. Filed May 26, 1923. Serial No. 641,779. 5 Claims. (Cl. 180-31.)



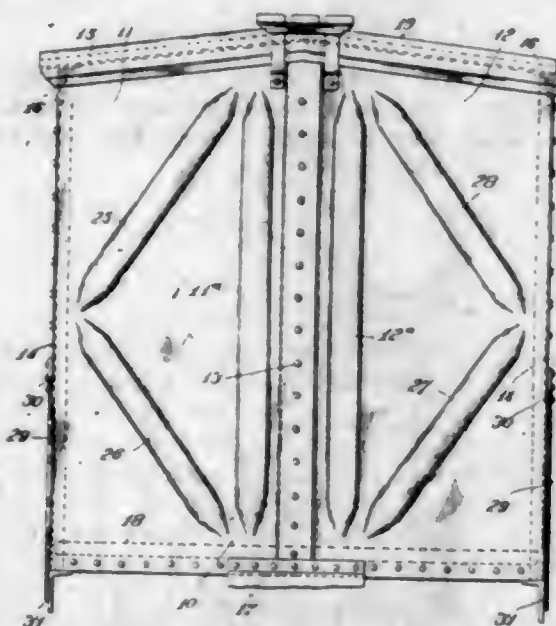
1. In a machine of the kind described a wheel rim, engine cylinders fixed to the said rim, a crank shaft in the middle of the said rim, pistons in the cylinders for driving the crank shaft, a driving wheel normally loose on the crank shaft, coupling means for coupling the driving wheel to the crank shaft, and motion transmitting wheels for transmitting motion from the driving wheel to the said rim.

1,512,233. BOX-CAR DOOR. WALTER P. MURPHY, New York, N. Y. Filed Mar. 1, 1920. Serial No. 382,243. 4 Claims. (Cl. 189-46.)



1. In combination with a railway car having a door supporting means below the opening; of a sheet metal door the upper edge of which is bent to form an out-turned flange, a guide member above the door opening having a horizontally disposed channel portion, open toward the side of the car, into which the out-turned flange on the door projects, and angle bars at the corners of the door just below said guide member for the purpose described.

1,512,234. CAR END. WALTER P. MURPHY, New York, N. Y. Original application filed June 4, 1920, Serial No. 386,477. Divided and this application filed Dec. 26, 1922. Serial No. 609,010. 13 Claims. (Cl. 105-410.)



1. A sheet metal end structure for railway cars having a pair of vertical corrugations therein forming an end post and having diagonal corrugations formed therein extending from the upper extremities of said vertical corrugations substantially to the edge of the end sheet to resist distortion of said end structure.

1,512,235. ELECTRIC SWITCH. CHARLES L. PERRY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 21, 1921. Serial No. 438,903. 6 Claims. (Cl. 200-170.)

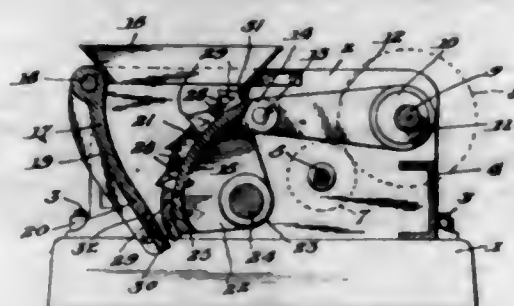
1. In an electric switch, two relatively movable engaging switch contacts, a support for one of the contacts arranged to permit the tilting thereof and the movement thereof with respect to the support

along the line of movement of the contacts, and a spring put under strain by the closing of the switch and adapted to press on the said contact at a substantially mid-position of the engaging surfaces of the contacts for biasing the said contact toward the other contact and for providing a resilient fulcrum for the said contact to accurately align itself with the other contact.



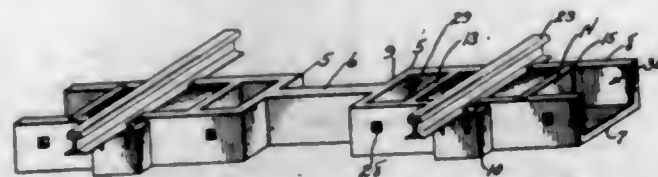
6. In an electric switch two movable switch contacts having substantially flat engaging surfaces, the first of which is pivotally mounted and movable into engaging relation with the second of said contacts, a hinge support for the second of the contacts arranged to permit the movement of the second contact along the line of movement of the contacts and the tilting of the second contact about the support for accurately aligning the engaging surfaces of the contacts, a stop cooperating with the said support for positioning the second contact, and a spring acting on the said second contact between the said support and stop for holding the second contact against the support and stop in the open position of the switch and adapted to be put under strain by the closing of the switch.

1,512,236. CRUSHER. PAUL PHELPS, Columbus, Ohio, assignor to Vogt Brothers Mfg. Co., Louisville, Ky., a Corporation. Filed Aug. 24, 1921. Serial No. 495,048. 4 Claims. (Cl. 83-53.)



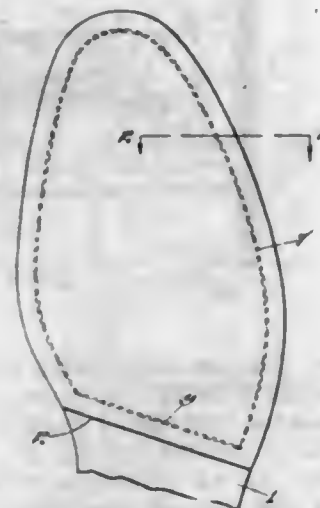
1. A crusher including an oscillatory crusher plate having a curved crushing surface including two distinct adjacent arcuate surfaces with their respective centers of curvature eccentric to the center of oscillation, said curved surface extending on each side of said center for effecting relief of pressure in the actuation of the crusher.

1,512,237. RAILROAD TIE. HENRY F. POKLOP, Texhoma, Okla. Filed Feb. 29, 1924. Serial No. 695,994. 2 Claims. (Cl. 238-44.)



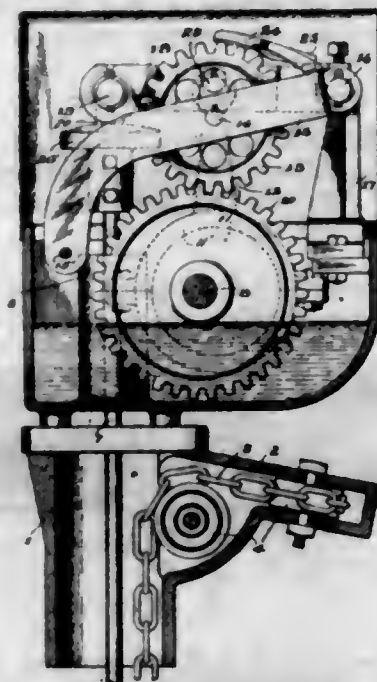
1. A railroad tie of the class described including a pair of connected sections, each section including a bottom, an end wall, a pair of side walls, a pair of partitions disposed in spaced relation between the side walls, one of said partitions being removable, and a wooden block disposed between the partition and the side walls for receiving a rail.

1,512,238. SHOE AND METHOD OF MAKING THE SAME. JAMES H. REED, Swampscott, Mass., assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass., a Corporation of Massachusetts. Filed Jan. 22, 1921. Serial No. 439,254. 5 Claims. (Cl. 36-21.)



1. The herein described shoe having an insole, an outsole, and an upper secured together by a through-and-through, two-thread, lock-stitch seam located inside the shoe.

1,512,239. OILING SYSTEM FOR WINDMILLS. FREDERICK RITZ, Napoleon, Ohio, assignor to The Heller-Aller Company, Napoleon, Ohio, a Corporation of Ohio. Filed July 28, 1923. Serial No. 654,418. 3 Claims. (Cl. 184-4.)

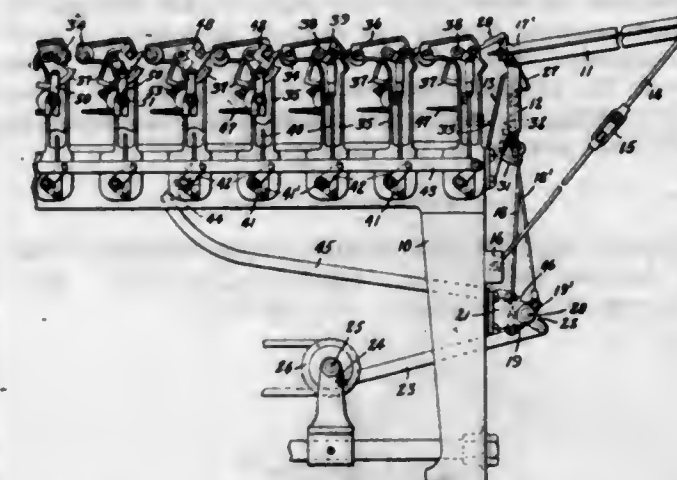


1. In a windmill, the combination with a supporting frame including an oil bowl, of a member pivotally supported at one end and having connection with a pump rod at its other end, means including mechanical mechanisms adapted to convey lubricant from the oil bowl to the pivot joints of said member for lubricating the same, said means including a gear and a pivoted wiper continually resting on said gear, said wiper having means for conducting oil to the top of said member.

1,512,240. MACHINE FOR ASSORTING RODS AND TUBES. JOSEPH A. RYAN and LOUIS TURNER, Bridgeville, Pa., assignors to General Electric Company, a Corporation of New York. Filed May 11, 1923. Serial No. 638,356. 3 Claims. (Cl. 83-92.)

1. In an assorting machine for rods and tubes, the combination of a plurality of gauges of progressively increasing size, means mounted adjacent to each gauge

for shifting to the next gauge a rod or tube which fails to pass through said gauge, means mounted adjacent to each gauge for preventing the passage through



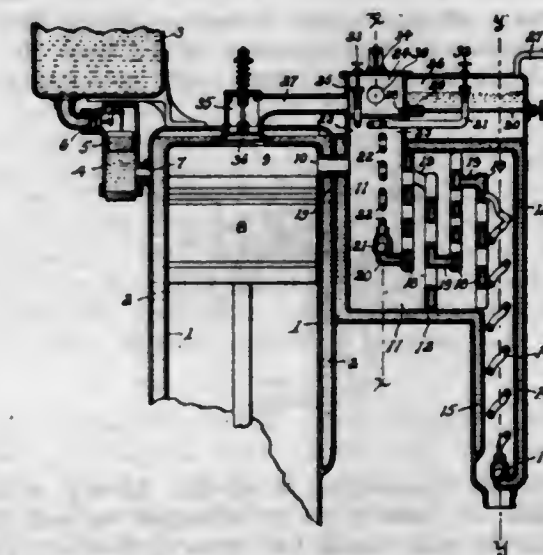
said gauge of a portion of a rod or tube if another portion thereof fails to pass, and means for securing the operation of the aforesaid means in proper sequence.

1,512,241. CIGARETTE. JOHN P. SCHAEFER, Webster Groves, Mo. Filed Mar. 30, 1923. Serial No. 628,754. 1 Claim. (Cl. 131-52.)



The combination with a cigarette having a wrapper and a filler, of a relatively short tubular element adapted to have its major portion inserted within one end of the wrapper between the wrapper and the filler and retained within the wrapper by the filler, the remaining portion of said element projecting beyond the ends of the wrapper and filler, and an ignitable substance on the inner surface of said projecting portion of the element adapted when ignited to direct the fire inwardly for igniting the filler.

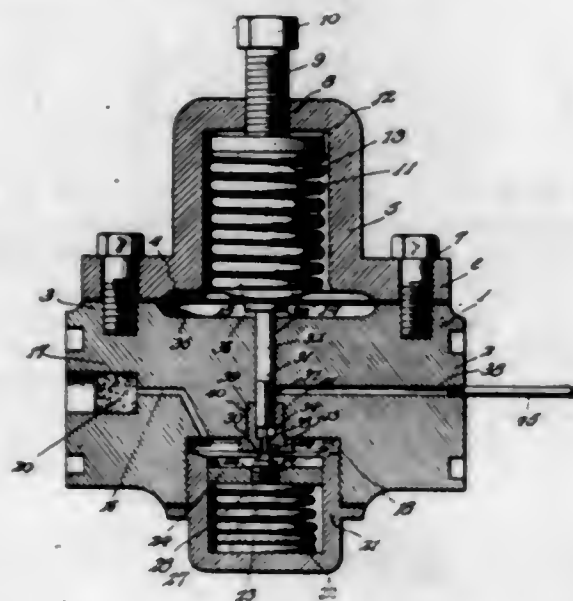
1,512,242. FUEL SUPPLY FOR MOTORS. HENRY SCHMITT, Detroit, Mich. Filed Nov. 8, 1920. Serial No. 422,492. 3 Claims. (Cl. 123-25.)



1. The combination with an engine cylinder having a water jacket and inlet and exhaust passages, of an exhaust chamber into which the exhaust passage opens, a water jacket for the exhaust chamber in open communi-

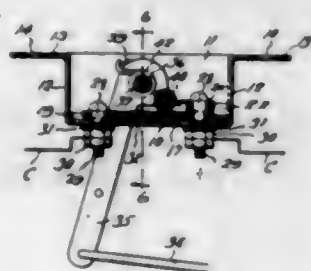
cation with the water jacket of the cylinder, means for maintaining a water level in the water jacket, means within the exhaust chamber connected with the water jacket at a point distant from the engine cylinder for conducting the water from the water jacket through the exhaust chamber toward the exhaust passage in a direction opposite that of the flow of the exhaust gases through the exhaust chamber, a fuel supply, and means for conducting fuel from the supply and steam from the conducting means, to the engine cylinder.

1,512,243. AUTOMATIC EXPANSION VALVE. JOHN L. SHRODE, Dallas, Tex. Filed June 19, 1923. Serial No. 646,419. -8 Claims. (Cl. 50-10.)



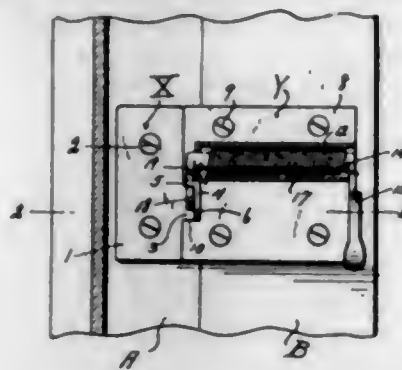
1. An expansion valve of the type mentioned comprising a casing having a restricted valve chamber and an inlet duct communicating therewith, a valve seat in the chamber having a bore and arranged at one side of the inlet duct, a valve for coaction with the said seat and closing in the direction of flow from the inlet duct, the casing having an outlet in direct communication with the bore of the valve seat above the seat, the inlet and outlet and the bore of the valve seat being of restricted area whereby to prevent expansion of a liquid refrigerant in its passage through the valve.

1,512,244. ELECTRIC SWITCH. JOHN W. SIMMONS and ROBERT P. SIMMONS, Cleveland, Ohio, assignors to Fernald Manufacturing Company, North East, Pa., a Corporation of Pennsylvania. Filed Sept. 28, 1921. Serial No. 503,978. 4 Claims. (Cl. 200-161.)



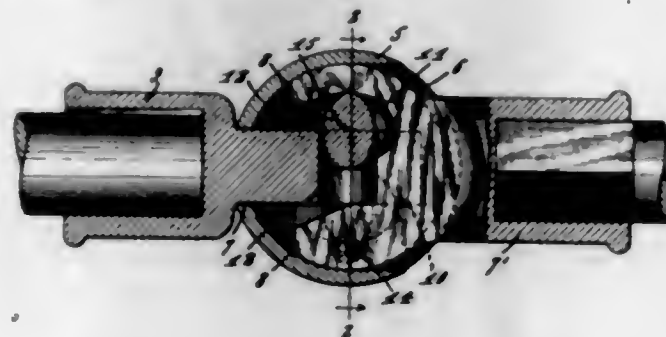
1. A switch comprising a casing having attaching ears, a pair of contact plates arranged in said casing, insulated from said casing and from each other, binding screws connected to said plates and extending without the casing, a lever pivoted in said casing, an insulated arm carried by said lever and adapted to press one contact plate away from the other contact plate, and means for moving said lever.

1,512,245. CLOSURE FASTENER. ELMER L. SLOAN, Joplin, Mo. Filed Dec. 26, 1922. Serial No. 609,000. 2 Claims. (Cl. 292-228.)



2. A window fastener comprising a member mounted upon one meeting rail of the sashes and including a base portion and an upstanding portion having a lateral lug thereon, and a member carried by the other meeting rail and formed as an attaching plate extending outwardly beyond the edge of the second named meeting rail in slightly overlapping relation to the first meeting rail, said projecting portion being formed with a notch for the accommodation of the upstanding portion of said first named member, a bolt rockably mounted through a bearing on said second named member and equipped at one end with an operating handle having limited movement, and an arcuate arm on the other end of said bolt engageable with said first named member against the side of the upstanding portion furthest from the second named meeting rail and beneath said lug, the engagement of the arcuate arm with the far side of the upstanding portion operating to draw said meeting rails together into close engagement whereby to prevent rattling.

1,512,246. UNIVERSAL JOINT. ABRAHAM J. SLOANECKER, Trenton, Mo., assignor to Sloanecker Products Company, Trenton, Mo. Filed Dec. 20, 1922. Serial No. 608,032. 2 Claims. (Cl. 64-102.)

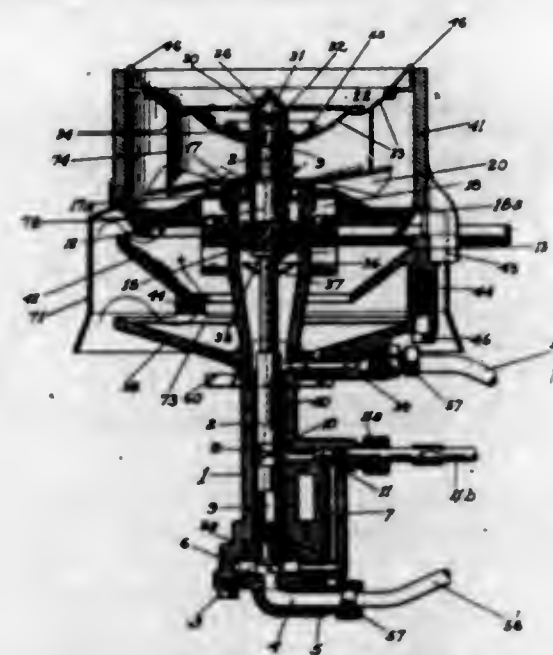


1. In a universal joint, opposed sections, each of the sections having a bifurcated extremity providing arms, a body portion having oppositely disposed cut out portions to receive the arms, said body portion having an opening extending therethrough, said opening extending at an angle with respect to the arms when the arms are positioned in the body portion, a pin adapted to be secured in the opening and adapted to engage the bifurcated ends of the sections to hold the sections within the body portion, and means for securing the pin to the body portion.

1,512,247. OIL BURNER. IRA EDWARD SMITH, Stockton, Calif. Filed May 1, 1922. Serial No. 557,506. 43 Claims. (Cl. 158-77.)

2. An oil burner including a vertical body, a shaft journaled therein, a burner plate fixed on the upper end of the shaft, a pump runner mounted on the shaft, means for rotating said shaft, such means including gearing operatively connected with the shaft inside the body, the

shaft being longitudinally bored, such bore discharging onto the burner plate and extending down to a point below the gears, and the oil discharged from the pump be-



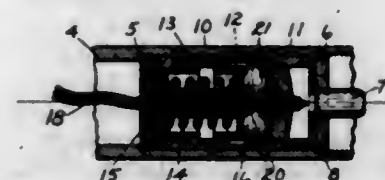
ing passed into said bore, a cup about the shaft below the gears, and passage means in the shaft leading from the bore to said cup.

1,512,248. STRIP SHINGLE. JAMES SMITH and MAXFIELD E. CONSTABLE, Deposit, N. Y. Filed May 31, 1923. Serial No. 642,431. 2 Claims. (Cl. 108-8.)



1. A roofing sheet consisting of a lower layer of metal and an upper layer of slate surfaced roofing, adhesive connecting said layers together, the lower layer being of less width than the upper layer and both of said layers being provided with alternate flat and semi-cylindrical convex portions.

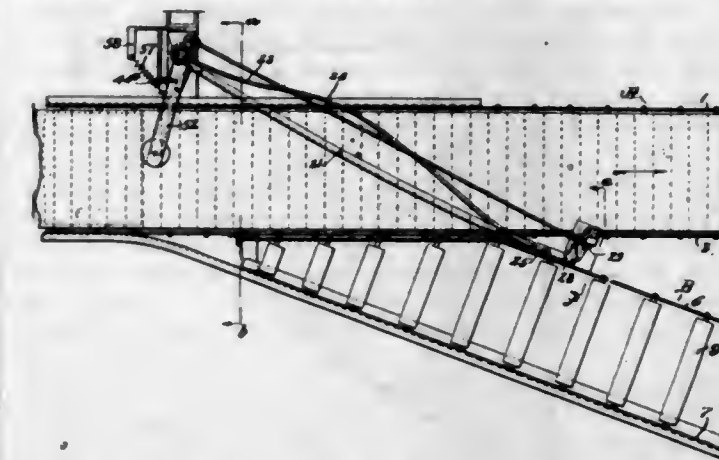
1,512,249. FIRING MECHANISM. FRANK DESMOND SPRAGUE and PHILIP WHALLEY ALLISON, New York, N. Y. Filed July 24, 1917. Serial No. 182,538. 11 Claims. (Cl. 102-39.)



4. In a firing mechanism, the combination of a firing member, a firing spring, and a ball clutch normally restraining said firing member and comprising a plurality of elements, one of said elements being centrally positioned in the fuse mechanism and movable to release the said clutch, the firing spring opposing the release movement of said element.

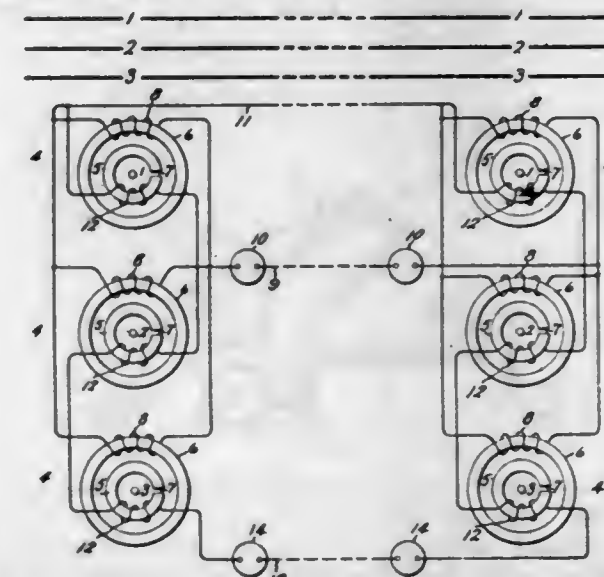
11. In a firing mechanism the combination of a firing member, a clutch normally restraining said firing member, a firing spring and a member arranged axially with respect to the firing mechanism under impulse of which the firing spring is compressed, and the clutch is released.

1,512,250. AUTOMATIC SWITCH FOR CONVEYERS. FRED R. TAISEY, Lowell, Mass., assignor, by means assignments, to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1922. Serial No. 551,517. 33 Claims. (Cl. 156-20.)



1. A conveyer having a main track and a branch track, and an elongate switch bar cooperable therewith and normally in substantial alignment with one side of the branch track, said switch bar being pivotally supported to swing about a point at one side of the main track and having a convex surface opposed to bodies approaching along said track.

1,512,251. PROTECTIVE SYSTEM. HENRY TRAENCHAM, Ruislip, England, assignor to General Electric Company, a Corporation of New York. Filed Jan. 16, 1922. Serial No. 529,482. 7 Claims. (Cl. 175-294.)

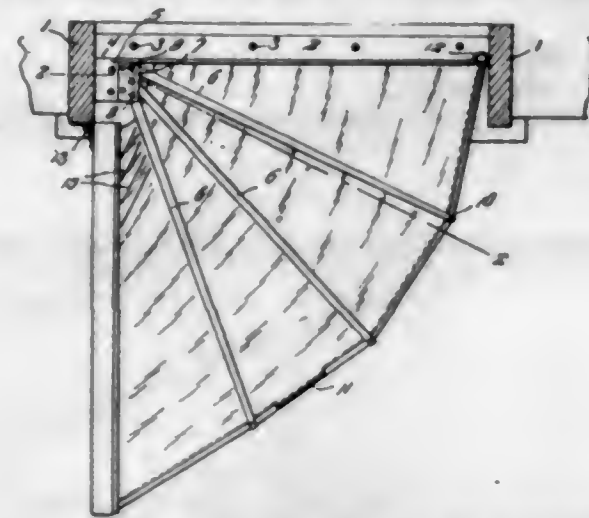


1. Protective means for an alternating electric current system comprising a transformer in series relation with each conductor of the system at each of two separate points thereof, each of said transformers comprising inner and outer cores, and windings on said cores, said windings being interconnected between said points to balance the input of electric energy into the section between said points against the output therefrom, whereby the windings on said outer cores are adapted to yield operating currents on faults to earth in said section and the windings on said inner cores to yield operating currents on faults between phases in said section.

1,512,252. SCREEN-DOOR STRUCTURE. CORNELIUS VERDUIN, Crookston, Nebr. Filed Apr. 25, 1923. Serial No. 634,454. 1 Claim. (Cl. 156-14.)

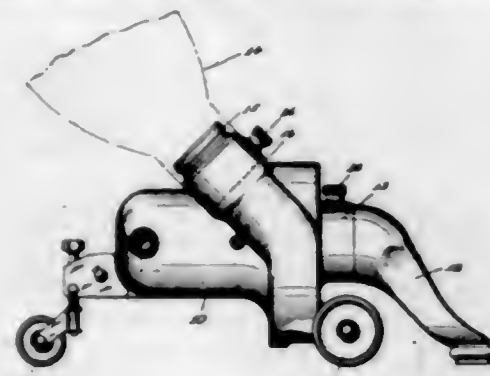
A screen structure adapted to be used in conjunction with a door hingedly mounted in a frame comprising a block adapted to be applied to the inner surface of the frame at the corner thereof, and adjacent the hinged edge of the door, bars pivotally mounted at one end upon the block and disposed transversely of the door and the door frame, said bars being provided with longitudinally

disposed kerfs leading in from the outer free ends thereof, a bar adapted to be applied to the door frame, a bar adapted to be applied to the door, a flexible fabric material secured at its edges to the bars which are applied



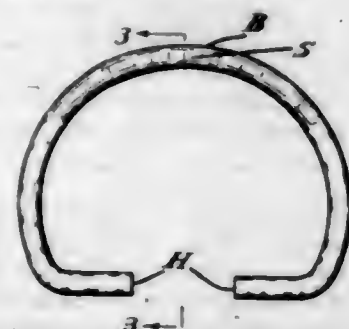
to the frame and door respectively, the intermediate portions of the fabric being trained through the kerfs provided in the pivoted bars and a flexible binding element connected with the outer edge of the fabric and secured at intervals to the said bars.

1,512,253. QUICK-DETACHABLE CONNECTION FOR VACUUM-CLEANER NOZZLES AND THE LIKE. ALONZO A. WARNER, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 15, 1923. Serial No. 612,808. 13 Claims. (Cl. 285-161.)



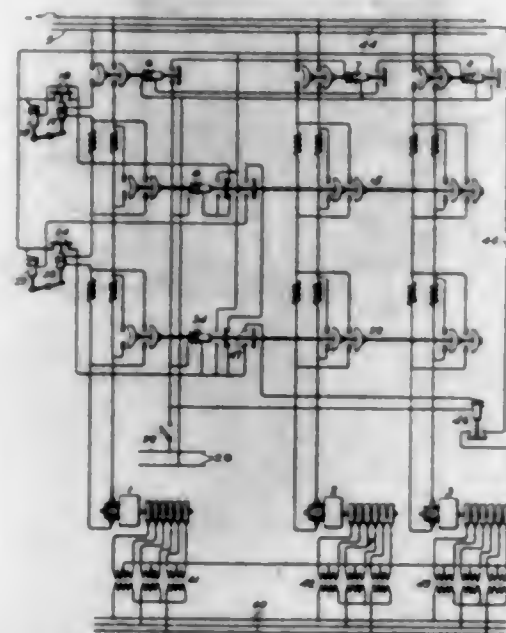
1. In a device of the character described for use in connection with vacuum cleaners and the like, a pair of telescoping members having shoulders adapted for abutting relation, and securing means therefor adapted to rock one member with respect to the other and thereby draw said shoulders into close abutting relation.

1,512,254. RING-TRAVELER. PHILIP C. WENTWORTH, Providence, R. I. Filed Jan. 17, 1924. Serial No. 686,854. 7 Claims. (Cl. 118-61.)



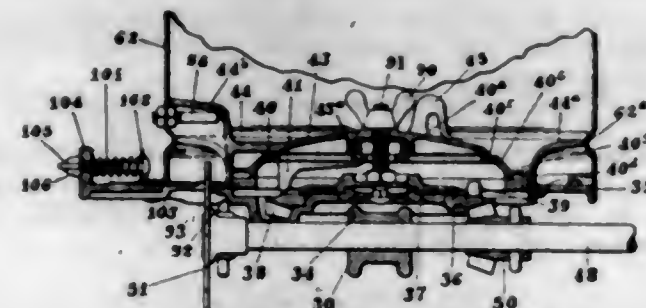
1. A ring traveler comprising a bow and terminal horns of uniform thickness throughout, but diminishing in width from the horns towards the center of the bow symmetrically with reference to the longitudinal median line of the traveler.

1,512,255. SYSTEM OF ELECTRIC DISTRIBUTION. FRANK PERCY WHITAKER, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Nov. 19, 1923. Serial No. 675,692. 9 Claims. (Cl. 171-97.)



1. In a system of electric distribution comprising a plurality of sources of current arranged to be connected to a common network, an arrangement for connecting said sources to the network to restore the voltage thereof to normal after all of the sources have been disconnected therefrom comprising means for connecting said sources to the network with current limiting means in series with each source, and means for simultaneously varying the current limiting means in series with all of said sources.

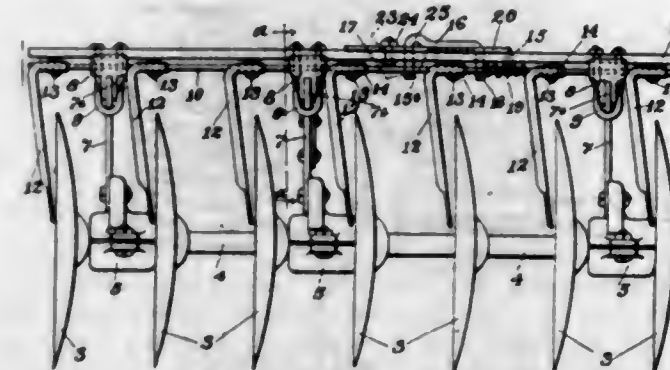
1,512,256. PLANTING MECHANISM. CHARLES E. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 22, 1918. Serial No. 224,057. 24 Claims. (Cl. 221-131.)



1. In a planter, a seed carrying and delivering device, having in combination a base structure, a rotary seed plate supported on the base, a holder element above the seed plate and operating to hold the seed plate centered on the base, vertically disposed centrally arranged devices for fastening the holder element to the base structure, and the ring-like device forming a seed guide above the seed plate and held in position rigidly by the aforesaid vertically disposed centrally arranged fastening devices.

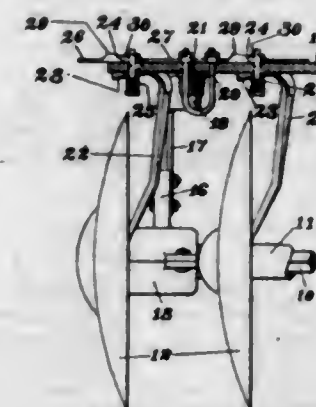
23. In a planter, a seed carrying and delivering device comprising in combination, a base, an annular member supported by the base, a rotary seed delivering plate supported by and bearing on the upper surface of said annular member, the latter member being reversible to vary the height of the seed plate relatively to the base, a cut-off device cooperating with the seed plate, and means for rotating the seed plate.

1,512,257. DISK HARROW. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 11, 1920. Serial No. 409,633. Renewed Mar. 22, 1924. 14 Claims. (Cl. 97-224.)



1. An agricultural implement comprising in combination a gang of disks, two bars that are respectively fixed and longitudinally-movable relatively to each other, said disks being connected with said fixed bar, scrapers carried by said movable bar, a spring-pressed member slidably supported upon said fixed bar and secured to said sliding bar, and a cam on said fixed bar adapted to be forced against said sliding member to compel an end-wise movement of the said movable bar so as to carry the scrapers carried thereby toward or from the disks with which they respectively cooperate.

1,512,258. DISK HARROW. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 11, 1920. Serial No. 409,634. Renewed May 31, 1923. 23 Claims. (Cl. 97-224.)



1. In combination, a frame comprising a transversely-extending bar, a rotatable disk connected therewith, a scraper depending from said bar and having at its upper end a turned channel-shaped member lying opposite a face of said bar with the flanges thereof opposite the sides of the bar, and means for securing said channel-shaped member to said bar.

4. In combination, a framework, a disk rotatably mounted with respect to said framework, a scraper having a laterally-rounded bearing portion at its upper end, a channel-shaped arm beyond said rounded bearing portion adapted to partially surround a member of said framework and means connecting said scraper with said framework serving to permit said scraper to roll side-wise on said rounded portion toward and away from the face of the disk.

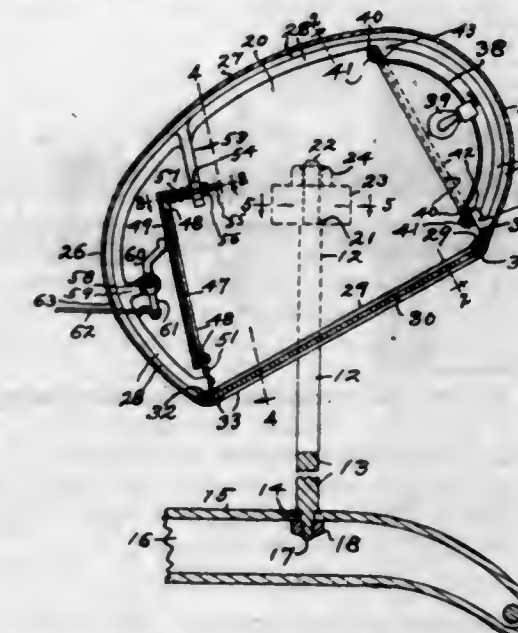
10. In combination, a framework, a plurality of disks rotatably mounted with respect to said framework, a plurality of scrapers bearing on the faces of said disks respectively and adapted to swing laterally with respect thereto, a spring for each of said scrapers normally pressing it against the adjacent disk, a bar slidably mounted on said framework adjacent to said disks, a

plurality of cams on said bar, and means actuated by said cams upon a movement of said bar for adjusting said several springs in unison for varying the pressure of said scrapers upon said disks.

12. In combination, a framework, a plurality of disks rotatably mounted with respect to said framework, a plurality of scrapers each having a laterally-rounded bearing portion at its upper end, means connecting said scrapers with said framework in position to bear upon the faces of said disks respectively and adapted to permit the scraper to roll upon the rounded bearing portion for swinging the blade portion laterally with respect to the disk, springs pressing the several scrapers against the disks, a bar slidably mounted on said framework, a plurality of cams on said bar, and means actuated by said cams upon a movement of the bar for adjusting said several springs in unison for bearing the pressure of said scrapers upon said disks.

20. The combination of a plurality of rotatable disks, a bar arranged substantially parallel with the axis of said disks, scrapers carried by said bar for engaging respectively with said disks, a plurality of parallel fixed supporting arms projecting to one side of such axis and to which arms said bar is connected, and means for securing said bar at different points on said arms to position the scrapers at varying distances from said axis.

1,512,259. HEADLIGHT. PERCY W. WHITE, Cleveland Heights, Ohio. Filed Oct. 10, 1921. Serial No. 506,657. 7 Claims. (Cl. 240-41.)

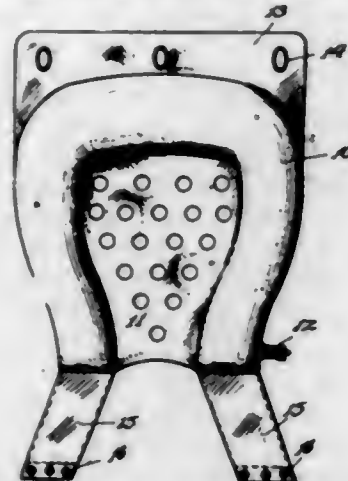


1. A headlight comprising a shell having a rearward wall and a forward wall the lower end of which is higher than the lower end of the first-mentioned wall and also having a top portion extending between said walls and an opening extending between said ends of said walls, two laterally spaced frames internally of said shell and bracing said walls and the aforesaid top portion of said shell, an inclined light-transmitting panel arranged to form a closure for the aforesaid opening, a rearwardly facing flaring reflector internally of the forward portion of the aforesaid shell, means for illuminating said reflector, and a mirror internally of the rearward portion of said shell and facing the flaring reflector and the aforesaid panel, said flaring reflector and the mirror being supported from the forward portion and rearward portion respectively of each of the aforesaid frames.

1,512,260. BACK REST FOR VEHICLE SEATS. SHERMAN WILSON, Marianna, Fla., assignor of one-half to Jas. A. Griffin, Marianna, Fla. Filed May 2, 1923. Serial No. 636,161. 1 Claim. (Cl. 155-179.)

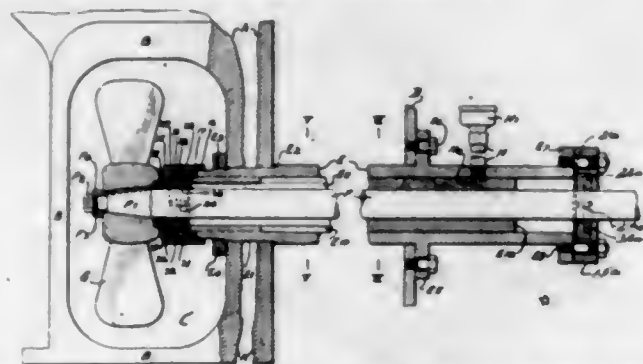
The combination with a vehicle seat including a back and a bottom, of a pneumatic tube of inverted U-shape adapted to rest against the seat back from the top

thereof to the seat bottom, a web connecting the side portions of the tube, a securing flap attached to the top transverse member of the tube and coterminous therewith and extending therefrom over the back of the seat to be



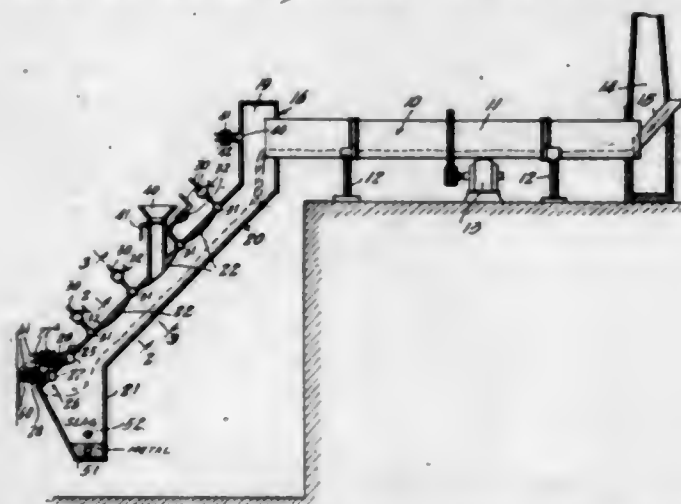
secured on the rear side thereof, and straps attached to the ends of the tube and extending therefrom to pass between the lower edge of the seat back and the rear edge of the seat bottom and be secured at the rear of the bottom below the back.

1,512,261. PROPELLER-SHAFT BEARING. EDWARD ALLEN, Jersey City, N. J. Filed Feb. 17, 1921. Serial No. 445,697. 9 Claims. (Cl. 286-8.)



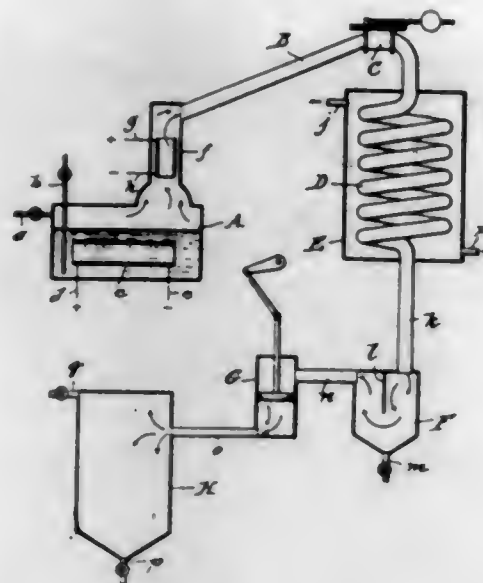
5. A stern bearing for propeller shafts comprising in combination, a tube thru which the shaft passes, the latter carrying the propeller which is provided in the forward face of its hub with a recess, and means fixed to the end of said tube projecting into said recess in contact with the shaft to enclose the same.

1,512,262. PROCESS OF REDUCING ORE. JOHN ALLINGHAM, Los Angeles, Calif. Filed Aug. 1, 1921. Serial No. 489,080. 9 Claims. (Cl. 75-17.)



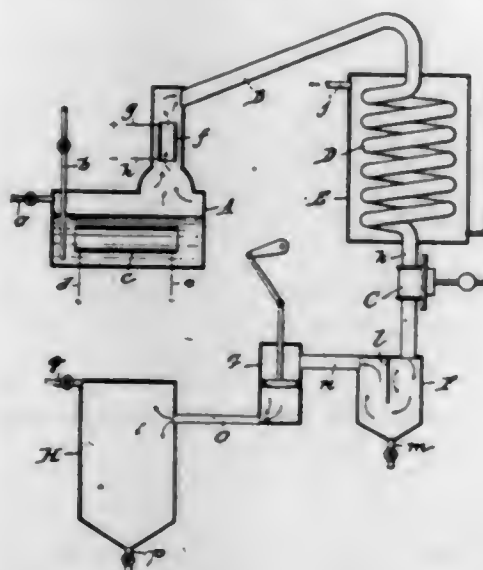
1. A method of reducing ores which embodies subjecting a body of ore to a flame produced by liquid fuel and air containing an excess of oxygen, the proportions of materials being such that the oxygen is substantially completely consumed.

1,512,263. PROCESS OF AND APPARATUS FOR CRACKING OR CONVERTING OILS. OTTO P. AMEND, New York, N. Y. Filed June 8, 1917. Serial No. 173,666. 12 Claims. (Cl. 196-25.)



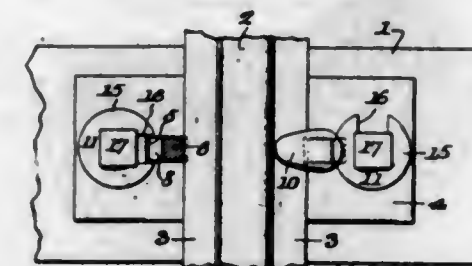
1. The process of converting oils having boiling points about 150° C. into a low-boiling hydrocarbon distillate, which consists in maintaining in engagement with a relatively stationary body of the liquid hydrocarbon to be converted a non-metallic resistance conductor, causing a low voltage, high amperage electric current to pass through such conductor to maintain it at an incandescent temperature of between a cherry red and a white heat, introducing a fixed gas, and subjecting the liquid hydrocarbon to a controlled pressure of its evolved vapors in excess of two atmospheres and below thirty atmospheres, and collecting and condensing the resulting cracked vapors.

1,512,264. PROCESS OF CONVERTING OILS. OTTO P. AMEND, New York, N. Y. Filed June 8, 1917. Serial No. 173,667. 11 Claims. (Cl. 196-25.)



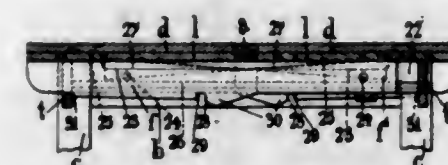
1. The process of converting kerosene into a low boiling hydrocarbon distillate, consisting in subjecting the kerosene first in the liquid and then in the vapor state to contact with carbon heated electrically to a temperature ranging from a bright red to a white heat under a regulated pressure in excess of atmospheric and below five hundred pounds to the square inch, and maintaining such pressure upon the hydrocarbons both during their conversion and throughout the course of their cooling and condensation.

1,512,265. RAILWAY SPIKE AND HOLDER. CHARLES ANDERSON, Eddyville, Iowa, assignor of one-half to Amil Fred Goschke, Eddyville, Iowa. Filed Apr. 3, 1924. Serial No. 704,034. 4 Claims. (Cl. 238-295.)



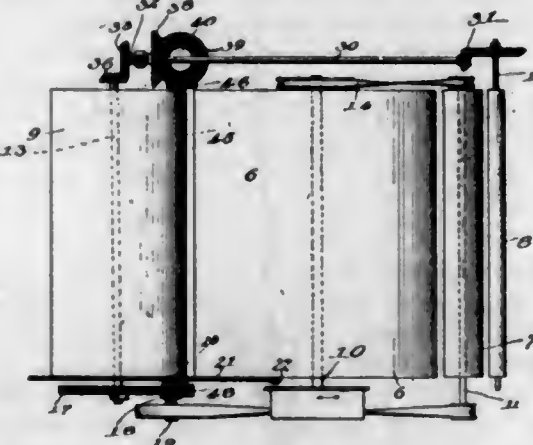
1. Means for holding rails to their ties comprising a tie plate placed between the rail and tie and having openings adjacent the edge of the bottom of the rail, a spike having a head adapted to overlap said rail edge and an oppositely projecting shoulder intermediate its ends, and a member movably carried by the tie plate and having a cut out adapted to register with an opening in the tie plate, but movable to a position overlying the shoulder of the spike.

1,512,266. EXTENSION TABLE. WILLIAM ANGUS, deceased, late of London, England, by Charles James Nichols, executor, London, England. Filed June 7, 1923. Serial No. 644,042. 3 Claims. (Cl. 45-9.)



1. An improved extension table comprising a fixed frame including side and end and leg members, a vertically movable extension leaf on the side members, a laterally extensible top above the extension leaf, runners connected with the top and slidable transversely through the fixed frame, the upper edge of each runner being provided with a recess for a part of its length to accommodate the extension leaf, the lower edge of each runner being provided with two abrupt stop-forming shoulders and a slightly sloping portion between the two shoulders, whereby as said lower surface is drawn through the fixed table frame, it will cause the corresponding table top to rise and keep its under surface clear of the top surface of the extension leaf.

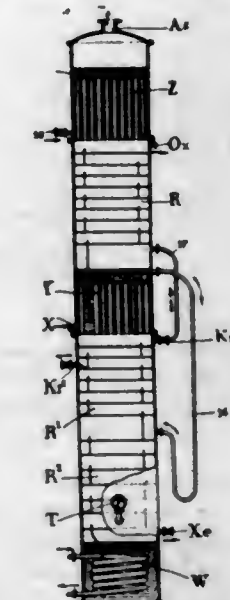
1,512,267. CARDING MACHINERY. WILLIAM WYLIE ARNOLD, Jr., Manchester, Ga. Filed May 5, 1923. Serial No. 636,917. 14 Claims. (Cl. 19-105.)



2. A carding machine including a feed roll and a doffer and comprising means adapted to drive the feed roll from the doffer or to be rendered idle, supplemental driving mechanism independent of the first mentioned

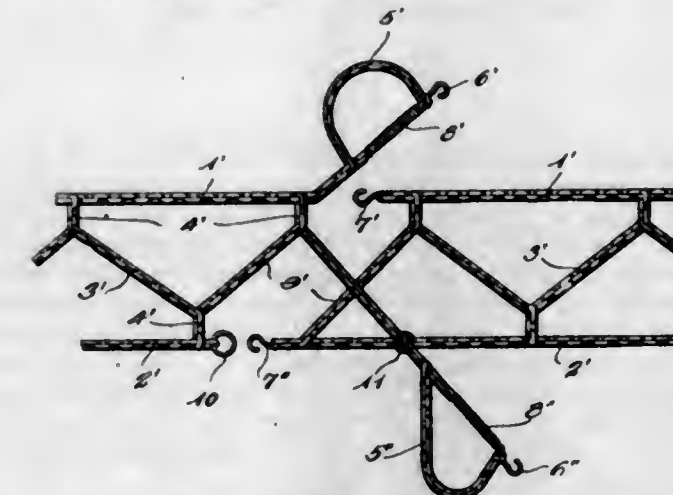
driving means for actuating the feed roll and automatic shifting mechanism for rendering the supplemental driving mechanism idle after a predetermined period and rendering the first named driving mechanism capable of driving the feed roll from the doffer during the normal operation of the machine.

1,512,268. PROCESS FOR THE SEPARATION AND PURIFICATION OF ARGON AND OTHER RARE GASES OF THE ATMOSPHERE. EMILE AUGUSTIN BARDET, Paris, France. Filed July 8, 1919. Serial No. 399,298. 2 Claims. (Cl. 183-115.)



1. Process of obtaining the rare gases present in air, which comprises subjecting the liquefied mixtures of the rare gases containing a proportion of the commoner constituents of air to a continuous rectification process, employing the condensed distillate of the higher boiling fractions derived in the rectification operation as a reflux and withdrawing a proportion of the reflux in the form of one of the rare constituents of air in a state of purity and as a liquid after it has been subjected to re-bubbling by the ascending gases.

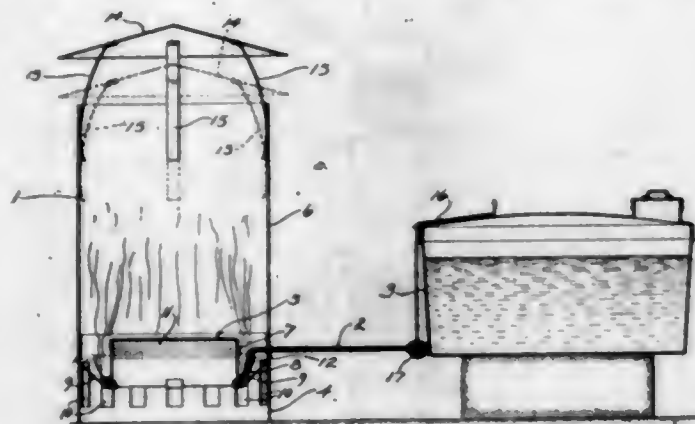
1,512,269. TIRE CHAIN. PRESTON BROOKS BLOCKER, Silver City, N. Mex. Filed Aug. 28, 1922. Serial No. 584,899. 3 Claims. (Cl. 152-14.)



1. A tire chain comprising parallel side chain members, cross linkage between and connected to said members, a hook secured to one extremity of one member, an eye secured to said member at a point adjacent said hook, an eye secured to the other extremity of said member, a tie end extending from the end of the chain which carries the last mentioned eye, a hook secured to the extremity of said tie end, said tie end being adapted to be passed through the first and then the last mentioned eyes and to be engaged by the first mentioned hook and

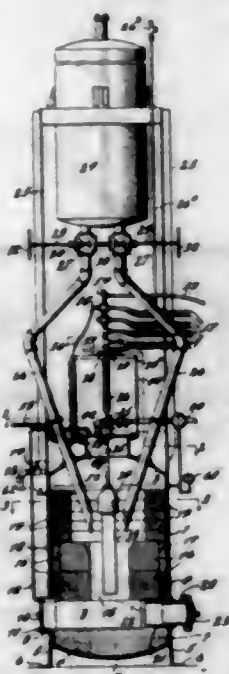
then to be detachably coupled by means of the last mentioned hook to the end portion of said member which carries the last mentioned eye, a coil spring disposed within the length of said tie end to maintain the tire chain stretched and to prevent said hooks from becoming disengaged, and means for detachably coupling the end portions of the other member together.

1,512,270. ORCHARD HEATER. PAUL G. BULKLEY, Azusa, Calif. Filed June 21, 1922. Serial No. 569,930. 6 Claims. (Cl. 158-91.)



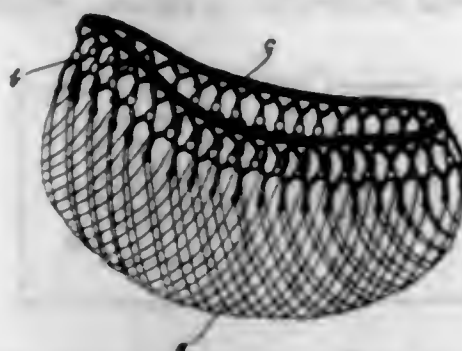
6. An orchard heater comprising an upright cylindrical base having a plurality of air admitting apertures, and a draft sleeve supporting concentrically within the base and above the lower end thereof, said draft sleeve being of a relatively smaller diameter than the diameter of said base and of a relatively less height than its diameter, the draft sleeve being closed at the top and turned upwardly and outwardly at its lower end to provide an annular fuel receiving trough, said sleeve being provided with a plurality of horizontally disposed and circumferentially spaced apertures positioned to direct air directly over the top of the fuel receiving trough.

1,512,271. REDUCTION OF OXIDES. LOUIS BUNZOS, Westfield, N. J., assignor, by mesne assignments, to himself and Maurice Barnett. Filed Sept. 11, 1920. Serial No. 409,589. 12 Claims. (Cl. 204-64.)



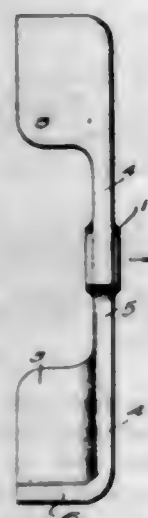
1. The process of reducing metal and metalloid oxides, which consists in subjecting divided oxide in contact with carbon to the direct heat of an electric arc in an enclosed space maintained under pressure of gas sufficient to prevent substantial volatilization.

1,512,272. HAIR NET OR CAP. ALEXANDER BURNETT, London, England. Filed May 25, 1923. Serial No. 641,417. 1 Claim. (Cl. 132-44.)



A cap for personal wear comprising a crown portion of hair net material, an ornamental bandeau attached to the edges of said crown portion and an elastic edging to said bandeau.

1,512,273. PROPELLER. JOSEPH J. CALLAHAN, Cornwells Heights, Pa. Filed Oct. 28, 1922. Serial No. 597,552. 6 Claims. (Cl. 170-159.)



1. A propeller comprising a hub, a blade extending outwardly from said hub, said blade having a relatively flat surface substantially at right angles to the plane of rotation of the propeller, means for preventing escape of air outwardly of said blade, and means for preventing escape of air in one direction transversely of said blade.

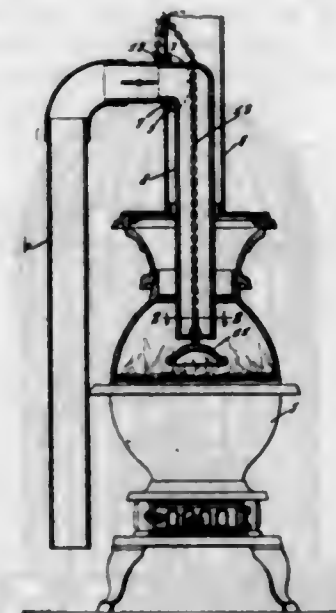
1,512,274. DEVICE FOR CLEANING AND TREATING THE EAR. LOUIS CARAMANTICO, Philadelphia, Pa. Filed Feb. 17, 1923. Serial No. 619,097. 2 Claims. (Cl. 128-256.)



1. A device of the class described comprising a tapering tubular body portion of slow burning material, a skirt of combustible material carried by said body portion

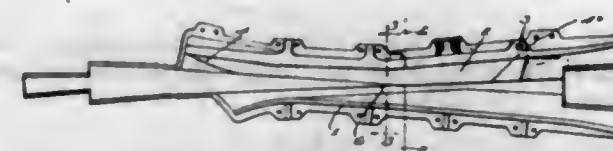
extending beyond one end of said body portion and treated with a free burning material, and a vent tube on said body portion extending through said skirt.

1,512,275. SMOKE CONSUMER. ALEXANDER R. CLARK, Petoskey, Mich. Filed Mar. 5, 1924. Serial No. 697,083. 1 Claim. (Cl. 126-77.)



In a device of the character described, a stove having a smoke pipe, a cold air supply pipe extending into the smoke pipe and having its discharge end disposed in spaced relation with the fire-bed within the stove, a deflector of a diameter greater than the diameter of the cold air pipe and lying in the path of travel of air passing from the discharge end of the cold air pipe, and means for regulating the deflector with respect to the discharge end of the pipe.

1,512,276. SPRING FROG. JOHN E. CONLEY, Memphis, Tenn. Filed Dec. 31, 1921. Serial No. 526,151. 6 Claims. (Cl. 246-276.)

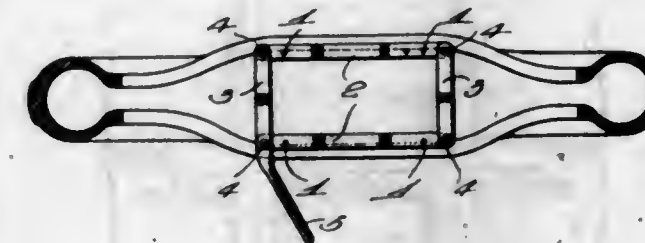


1. A frog comprising a frog point, guides to properly direct the wheels when passing through said frog, a rail normally in the space at one side of the frog point and adapted to engage the periphery of the wheel when the flange thereof is on one side of the frog point, said movable rail adapted to be moved to one side by the flange of the wheel when it is on the other side of the frog point.

1,512,277. MACHINABLE NONMAGNETIC HIGH-RESISTANCE CAST-IRON ALLOY. STANLEY ERNEST DAWSON, Davenport, Stockport, England, assignor, by mesne assignments, to Ferranti Meter and Transformer Manufacturing Company, Limited, Toronto, Canada. Filed Nov. 25, 1921. Serial No. 517,777. 7 Claims. (Cl. 75-1.)

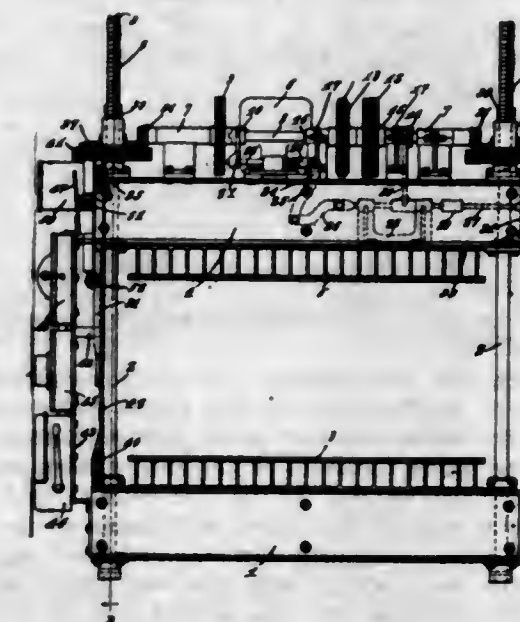
1. A practically non-magnetic machinable cast iron-like alloy containing manganese in amount to render the alloy substantially non-magnetic, the balance of the alloy being principally of cast iron, and a metal to render the alloy machinable.

1,512,278. TIRE-CASING SPREADER. LLOYD L. DICKMAN, College View, Nebr. Filed May 24, 1923. Serial No. 641,230. 2 Claims. (Cl. 152-27.)



1. A tire casing spreader comprising a frame consisting of side and end members pivoted together for parallelogrammatic movement to transversely expand and contract the frame, and projections carried by said frame and receivable between the beads of a tire casing when the frame is contracted, whereby expansion of the frame will spread the casing.

1,512,279. MEANS FOR PRODUCING RELATIVE MOVEMENT BETWEEN MEMBERS. FRANK DIEHL, Wabash, Ind. Filed July 18, 1922. Serial No. 575,913. 6 Claims. (Cl. 100-5.)

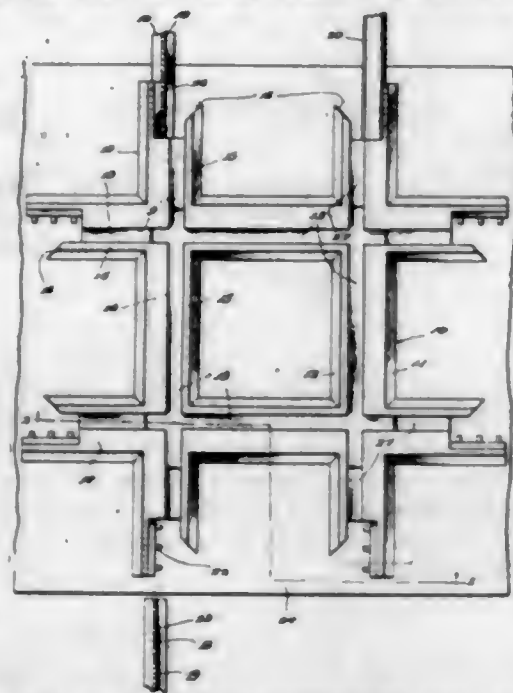


1. In a device of the class described, a base; posts carried thereby; a member movable toward and away from the base and slidable on the posts; rotatable members threaded on the posts and held for rotation on the first specified member; an electric motor on the first specified member; means for connecting the motor operatively with the rotatable members; a circuit including the motor; a switch on the first-specified member and interposed in said circuit; and means for operating the switch to open the circuit when the first-specified member approaches the limits of its travel.

1,512,280. RAILWAY CROSSING. JOHN J. DU BOIS, Pueblo, Colo., assignor to The Du Bois Noiseless Crossing Company, Pueblo, Colo., a Corporation of Colorado. Filed Nov. 14, 1923. Serial No. 674,699. 3 Claims. (Cl. 246-457.)

1. In a railway crossing having intersecting bars provided with channels on the top side thereof, a recess formed at each end of the bars adapted to receive the end of a rail, means for securely joining a rail end to the corresponding end of each of said bars, said means including

studs in said recess adapted to engage in corresponding apertures in the rail end, the adjacent faces of the rail end and the bar end being welded; a concrete slab con-



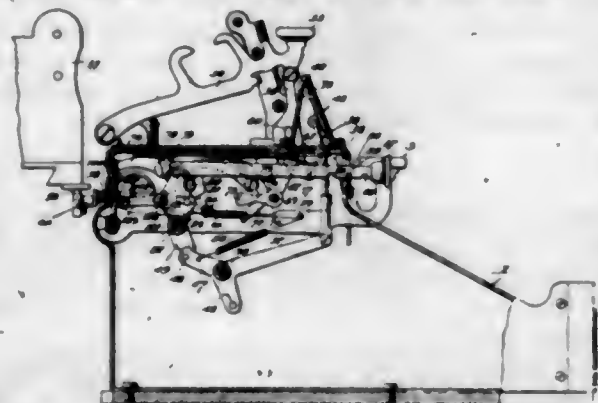
stituting the base for said intersecting bars, and anchor hooks cast in said concrete slab adapted to engage with corresponding sockets in said intersecting bars.

1,512,281. TRUCK FOR CALCULATING AND OTHER MACHINES. FRANCIS K. FISHER, Nashville, Tenn. Filed Apr. 21, 1923. Serial No. 633,677. 3 Claims. (Cl. 280-44.)



1. A truck for the purpose set forth comprising a frame, casters at the sides of the frame and normally supporting the same, resilient arms rigidly secured upon and extending along the sides of the frame independently of the casters, feet carried by the free ends of said arms and adapted to support the frame, and means mounted on the frame bearing constantly upon the arms and operable to depress the free ends of said arms and move the feet into operative position and the casters into inoperative position.

1,512,282. AUTOMATIC TYPE AND RIBBON SELECTING MECHANISM AND CONTROL FOR WRITING-ADDING MACHINES. HARRY ARTHUR FOOTHORP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Dec. 31, 1920. Serial No. 434,248. 10 Claims. (Cl. 235-59.)



1. In a machine of the class described, the combination with printing mechanism, including keys, adding mechanism, automatic key connecting mechanism and auto-

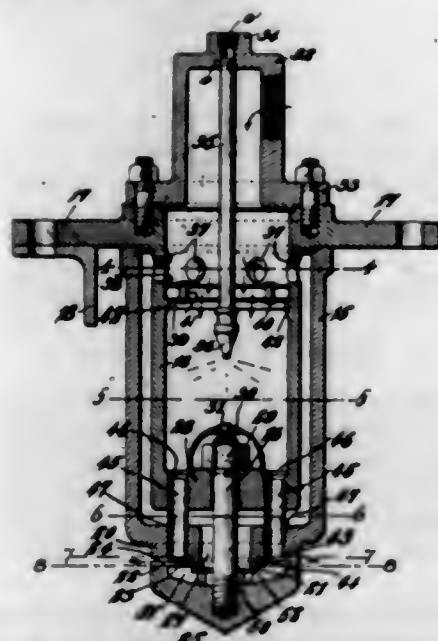
matic decimal trip mechanism, of a controlling member movable to different positions to determine whether or not the key connecting mechanism and decimal trip mechanism shall operate, and an indicator movable to different positions to indicate the conditions of operation.

1,512,283. AUTOMATON AND TALKING APPARATUS. WILLIAM E. FRITSCH, San Francisco, Calif. Filed June 19, 1923. Serial No. 646,452. 2 Claims. (Cl. 46-40.)



1. In a device of the character described, a cage having a hollow base and provided with a tubular perch and tubular members communicating between the ends of the perch and the base; a similitude of a parrot mounted upon the perch; phonographic sound producing mechanism mounted within the base, said mechanism being connected with the similitude through the perch and one of the tubular members connected thereto to simulate articulation in the similitude; a motor mounted within the base to actuate the sound producing mechanism; and means connected between the similitude and the motor through the perch and the other tubular member connected thereto for imparting movement to the similitude.

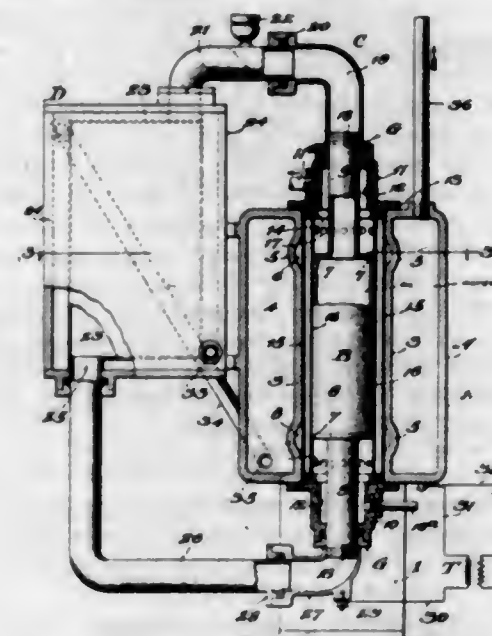
1,512,284. OIL BURNER. JOHN E. GREENAWALT, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,609. 8 Claims. (Cl. 158-78.)



1. In a device of the character described, a housing, a mixing chamber within said housing, means for projecting sprayed fluent material into the mixing chamber,

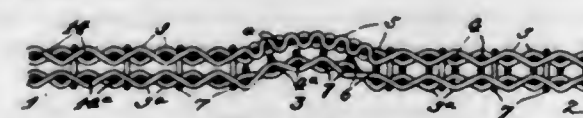
means for supplying said chamber with gas, a distributing member disposed at one end of the housing, the mixing chamber communicating with one side of the distributing member, means for supplying the other side of the distributing member with gas, and means for preventing contact of the fluent material and gas in the distributor except at the periphery thereof.

1,512,285. OZONE GENERATOR. HARRY BUXTON HARTMAN, Scottsdale, Pa., assignor to Electric Water Sterilizer & Ozone Company, Scottsdale, Pa., a Corporation of Pennsylvania. Filed Mar. 2, 1923. Serial No. 622,349. 24 Claims. (Cl. 204-32.)



1. An ozone generator including tubular electrodes, one of which is provided at the end of its active generating surface with a wall portion progressively receding with respect to the face of the opposite electrode.

1,512,286. METHOD OF MAKING CURVED FABRICS. CHARLES A. HORTON, Providence, R. I., assignor to Hope Webbing Company, Pawtucket, R. I., a Corporation of Massachusetts. Filed June 17, 1922. Serial No. 569,015. 10 Claims. (Cl. 28-1.)



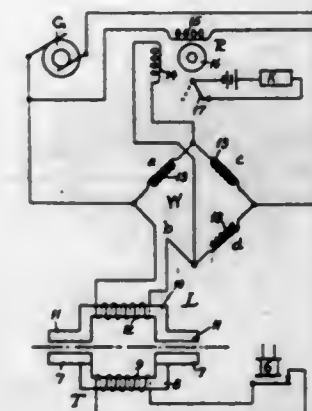
1. Fabric having straight areas extending lengthwise thereof composed of unshrunk threads, one of which areas has the capacity of shrinking a different percentage than another whereby, when moistened, curvature will be imparted to the fabric.

1,512,287. METHOD OF MAKING COLLARS AND LIKE ARTICLES. CHARLES A. HORTON, Providence, R. I., assignor to Hope Webbing Company, Pawtucket, R. I., a Corporation of Massachusetts. Filed June 17, 1922. Serial No. 569,016. 6 Claims. (Cl. 28-1.)



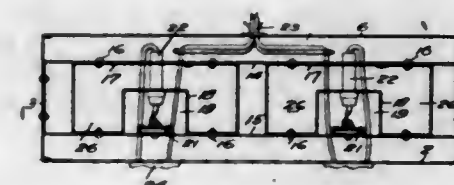
1. The method of making fabric articles having a fixed curvature as a finished product consisting in forming a one-piece blank of fabric composed of unshrunk threads so as to include different areas having different relative shrinking capacities, then moistening said article equally throughout thereby causing said areas to shrink different percentages to effect said curvature.

1,512,288. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 11, 1919. Serial No. 289,357. 22 Claims. (Cl. 246-63.)



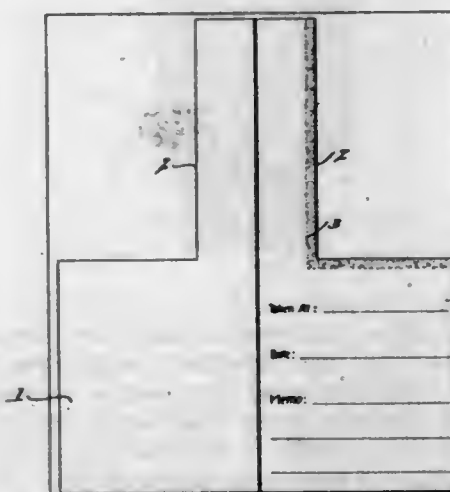
1. In an automatic train control system, in combination: impulse receiving means on a vehicle comprising the elements of a Wheatstone bridge, a source of alternating current, electro-responsive means connected across said bridge, and a coil included in one arm of the bridge, and a traffic controlled trackway element adapted to increase the impedance of said coil if in the active stopping condition and thereby vary the current supplied to said electro-responsive means.

1,512,289. ELECTRIC HEATER. DONALD H. MCCORKLE, Berkeley, Calif. Filed Dec. 10, 1923. Serial No. 679,628. 8 Claims. (Cl. 219-34.)



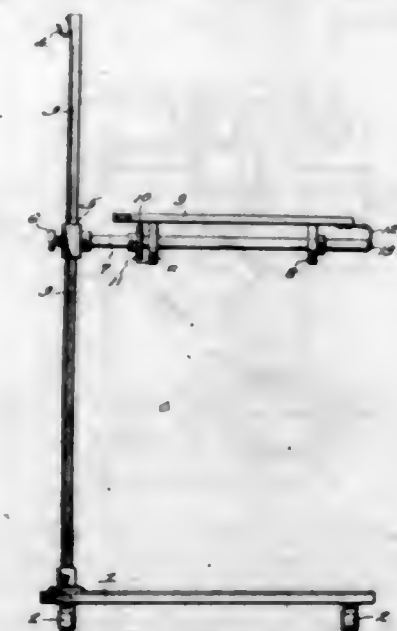
4. In an electric heater a tube open at both ends and having a reentrant portion extending longitudinally thereof, and an electric heating element arranged within the reentrant portion.

1,512,290. ALBUM FOR PHOTOGRAPHS. THOMAS E. MCGAUGHEY, New Bedford, Mass. Filed Nov. 3, 1922. Serial No. 598,849. 1 Claim. (Cl. 129-20.)



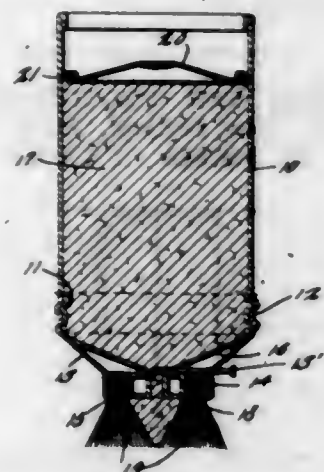
An album of the classed scribed having each page provided with a recess formed by cutting away one of the outer corners of the page and adhesive material placed on the page adjacent the recess so that a photograph can have its overlapping edges fastened to the page when the photograph is placed over the recess.

1,512,291. TRAY HOLDER FOR BEDS. FRANK A. MC GUIRE, Iola, Kans. Filed Sept. 8, 1923. Serial No. 661,664. 1 Claim. (Cl. 45-60.)



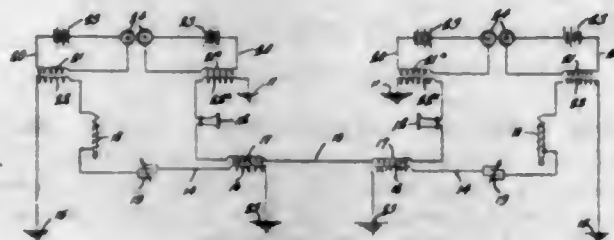
A device of the class described comprising a wheeled base, an upright of square shape in cross section connected with one end of the base, a sleeve having a square bore receiving said upright, a set screw for holding the sleeve in adjusted position on the upright, a tube carried by the sleeve, a table, depending pieces thereon having holes therein through which the tube passes, so that the table is slidably and rotatably mounted on the tube, a toothed disc fixed to the tube adjacent one of the depending pieces, a pin on one of the depending pieces and arranged to engage one of the teeth of the disc to hold the table in adjusted position, a bracket on the table and a spring in the tube and connected with the bracket for normally holding the table in a position with the pin in engagement with the tooth of the disc.

1,512,292. SHOE POLISHER. WILLIAM GILFORD, MC GUIRE, St. Louis, Mo. Filed Mar. 10, 1924. Serial No. 698,211. 1 Claim. (Cl. 15-137.)



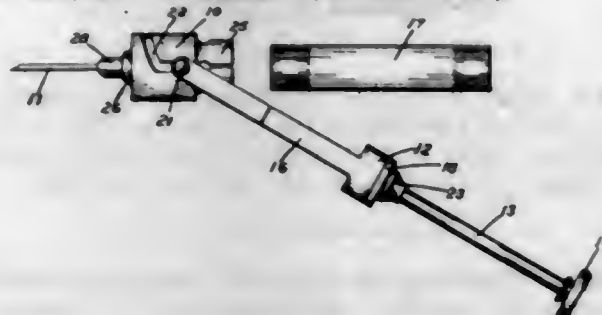
An article of the character described comprising a polish container, a cap detachably connected with one end of the container and including a conical portion terminating to provide an annular flange, the lower edge of which extends inwardly, a substantially conical shaped member arranged within and forming part of the cap and terminating in a plane with the end of said cap, said member defining a restricted outlet opening for the polish, the free end of said member being rolled upon itself to form a hollow flange rectangular in cross section, bristles clamped between said hollow flange and the flange of said cap, a valve controlling said outlet opening, and a follower arranged to operate within the container.

1,512,293. SYSTEM OF TELEPHONY AND TELEGRAPHY. WILLIAM W. McLAREN, Birmingham, Ala., assignor of one-fourth to I. C. Beatty, Birmingham, Ala. Filed Aug. 5, 1922. Serial No. 579,840. 1 Claim. (Cl. 179-1.)



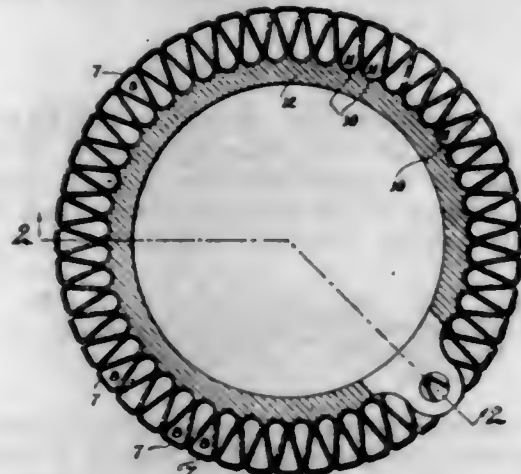
In a device of the class described, a main conductor; an auxiliary conductor grounded intermediate the ends of the main conductor; a means for receiving signals interposed in the main conductor; an inductance coil including a primary winding located in the auxiliary conductor adjacent to the place where the auxiliary conductor is grounded, the secondary winding of the coil being interposed in the main conductor; secondary circuits; means for transmitting signals interposed in the secondary circuits; sources of energy in the secondary circuits; and inductance coils, the primary windings of the coils being interposed in the secondary circuits, the secondary winding of one coil being interposed in the main conductor, and the secondary winding of the other coil being interposed in the auxiliary conductor.

1,512,294. HYPODERMIC SYRINGE. ERNEST H. MARCY, Framingham, Mass. Filed May 2, 1922. Serial No. 557,937. 3 Claims. (Cl. 128-218.)



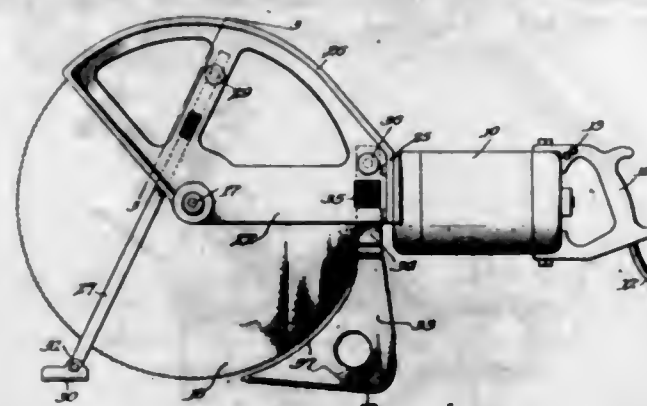
3. In a hypodermic syringe, a sleeve adapted to receive and embrace one end of a medicine package, said sleeve having a portion of approximately the same diameter as said package and provided with spring tongues to bear upon the package, and having another portion of larger diameter provided with cam slots.

1,512,295. AIR-COOLED CYLINDER. HEMSLEY B. MASSEY, Canton, Ohio. Filed Dec. 21, 1921. Serial No. 523,929. 4 Claims. (Cl. 22-203.)



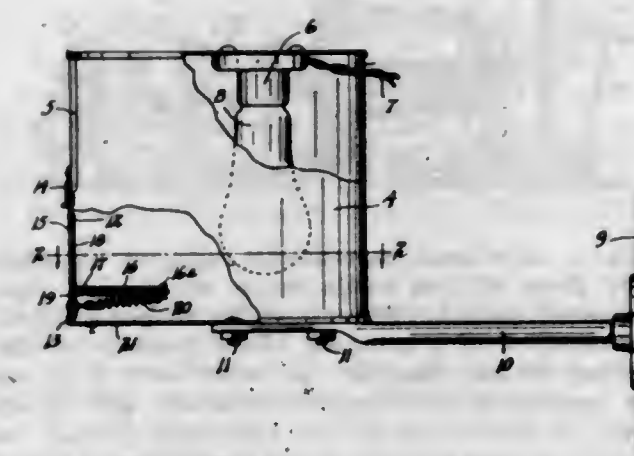
1. The method of making engine cylinders comprising shaping a sheet of metal to provide cooling fins and an annular jacket integral with the same, placing the same in a mold, and casting a cylinder within the same.

1,512,296. ROTARY CUTTING IMPLEMENT. EDMOND MICHEL, New Orleans, La., assignor to Electric Hand Saw Company, Inc., New Orleans, La., a Corporation. Filed Oct. 23, 1922. Serial No. 596,359. 6 Claims. (Cl. 17-23.)



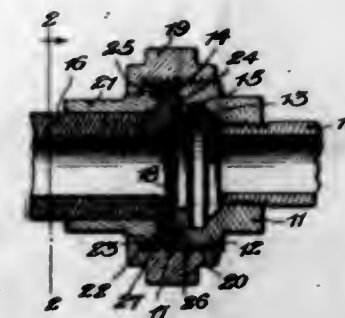
1. A portable rotary cutting implement comprising a support, a rotary cutter journaled on said support, a motor mounted at the rear of said support, a shaft connected to the motor, gearing driven by said shaft for driving the cutter, a guide positioned in front of said cutter and adjustable with relation thereto, said guide being positioned to rest upon the surface to be cut, a second guide positioned at the rear of said cutter and having a material engaging portion positioned in the same plane with said cutter substantially on a line tangent with the circumference of the cutter and adapted to travel in the kerf formed thereby, whereby the guide may follow the path of said cutter.

1,512,297. EGG CANDLING AND MEASURING DEVICE. INGVAR ALFRED MOE and CHARLES O. HALLING, Milan, Minn. Filed July 3, 1924. Serial No. 724,056. 10 Claims. (Cl. 99-6.)



3. An egg candling and measuring device comprising a closed housing having a light mounted therein and having a gauge opening in one of its sides in which an egg may be projected to examine the translucent contents thereof and simultaneously measure the diameter of the egg, a movable member directly behind said gauge opening having therein means for engaging the projected end of an egg, and automatic means for moving said member towards the outside of said housing to eject an egg therefrom.

1,512,298. PIPE COUPLING. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,459. 6 Claims. (Cl. 285-86.)

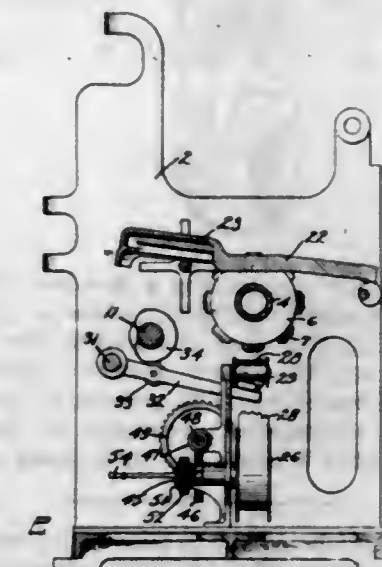


1. A coupling comprising a pipe, a spud having its abutting end formed with a plurality of corrugations arranged adjacent its outer edge, a relatively large smooth contact face adjacent its inner edge, and a coupling nut for drawing said pipe into intimate engagement with said contact face and corrugations.

1,512,299. TEMPORARY BINDER FOR CERAMIC BODIES. JOSEPH A. NAGLE, Columbus, Ohio, assignor to The Jeffery-Dewitt Company, Detroit, Mich., a Corporation of Maine. Filed Jan. 10, 1921. Serial No. 436,384. 2 Claims. (Cl. 106-10.)

2. A raw batch of ceramic bodies comprising a mixture of silicon carbide, sillimanite, diaspore, clay and flour paste.

1,512,300. INKING DEVICE FOR MARKING MACHINES. LEWIS NEUENSCHWANDER, Los Angeles, Calif., assignor to Electric Fruit Marking Co., Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1921. Serial No. 496,206. 8 Claims. (Cl. 101-335.)



1. The combination with a plurality of dies successively movable to a fixed operative position of an inking ribbon, fixed supports for holding said ribbon adjacent said dies, and means for pressing the ribbon against each die before it moves to said operative position.

1,512,301. COMBINATION SET-DOWN AND SCREW-OFF PACKER. JEDDY D. NIXON, Houston, Tex., assignor to W. K. M. Company, Inc., Houston, Tex. Filed Jan. 22, 1924. Serial No. 687,695. 6 Claims. (Cl. 166-10.)

5. A well packer for connection in a string of tubing for wells, including a coupling reduced in internal di-

ameter at its lower end and threaded, a tube having its upper end enlarged and threaded to engage within



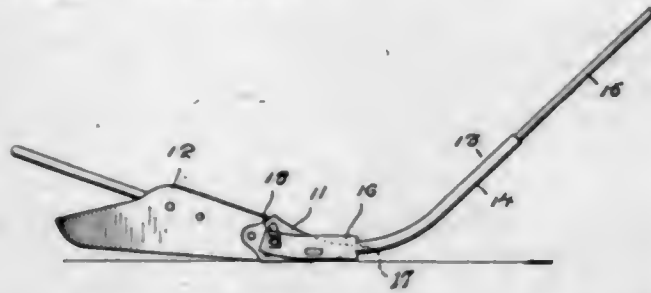
said coupling, a supporting shoulder on the lower end of said tube and a packing sleeve on said tube between said shoulder and said coupling.

1,512,302. FOOT SUPPORT. LESLIE D. NOBLE, Detroit, Mich. Filed June 14, 1923. Serial No. 645,251. 8 Claims. (Cl. 36-71.)



1. A foot support comprising a member formed of material of substantially uniform thickness shaped to fit within a boot or shoe and a separate pad member secured thereto having a heel portion tapered in cross section and a forward pad like portion of uniform thickness positioned substantially centrally of the under side of the first member beneath the metatarsal arch.

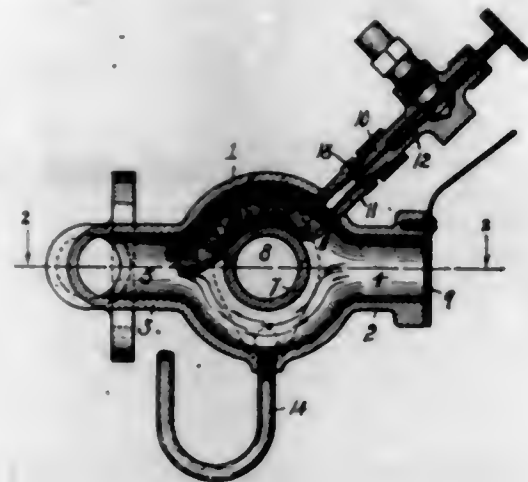
1,512,303. MOWER ATTACHMENT. JAMES F. PACE, Grove, Okla. Filed Mar. 24, 1923. Serial No. 627,391. 1 Claim. (Cl. 56-318.)



The combination with a cutter bar having a forwardly extending pointed shoe, of a divider bar comprising a curved tubular member open at each end and adapted

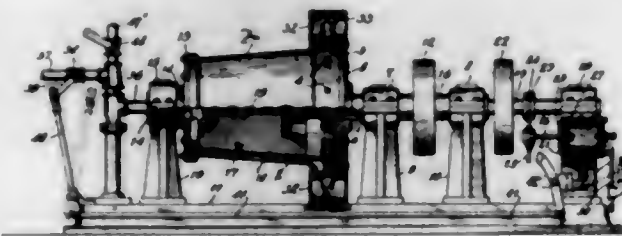
to receive the pointed end of the shoe in one end thereof, a substantially flat plate extending from the last mentioned end of the tubular member and means for securing said plate to said shoe.

1,512,304. VAPORIZING CARBURETOR. EDWARD I. PEARSON, Toledo, Ohio. Filed Aug. 2, 1919. Serial No. 314,867. 4 Claims. (Cl. 48-107.)



1. In a vaporizing carburetor, means forming a passage for exhaust gases and a passage around said first passage transverse to its longitudinal axis and adapted to have communication at one side of the exhaust passage with the atmosphere and at the other side of the exhaust passage with an engine cylinder, and means for introducing liquid fuel into said second passage and against the wall of the exhaust passage at one side of a plane which is longitudinal to the exhaust passage and extends therefrom centrally of the main air inlet end of the second passage.

1,512,305. APPARATUS FOR CENTRIFUGAL CONCENTRATION. OMER B. PECK, JR., Los Angeles, Calif. Filed Oct. 3, 1923. Serial No. 666,277. 8 Claims. (Cl. 233-6.)

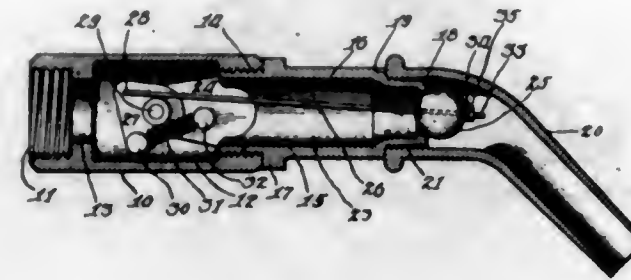


1. In a centrifugal concentrator adapted to separation of finely divided solids while mixed with liquid, having constituents of different degrees of specific gravity, the combination of a rotatable vessel member having a separating surface forming the outer wall of a separating passage, a differentially rotatable core member forming the inner wall of the separating passage, and adapted to be automatically moved longitudinally towards the discharge end of the vessel by predetermined pressure of liquid within the vessel, in part incident to progressive accumulation of bedding concentrates within said passage, and means for predetermining said liquid pressure substantially as described.

1,512,306. AUTOMATIC SHUT-OFF NOZZLE. BYRON J. PEPPER, Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc., a Corporation of Indiana. Filed Feb. 11, 1921. Serial No. 444,070. 6 Claims. (Cl. 251-125.)

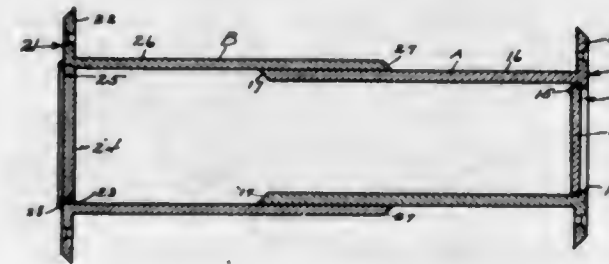
1. A valve nozzle for a liquid dispensing device comprising a casing having a hollow interior with inlet

and outlet orifices leading thereto and therefrom, a valve, a valve seat, a spring controlled rotatable member



ber all being contained within said casing and an operative connection between the valve and the said rotatable member.

1,512,307. WALL CHUTE. WALTER HERBERT PRATT, Milwaukee, Wis. Filed June 10, 1922. Serial No. 567,381. 1 Claim. (Cl. 232-19.)



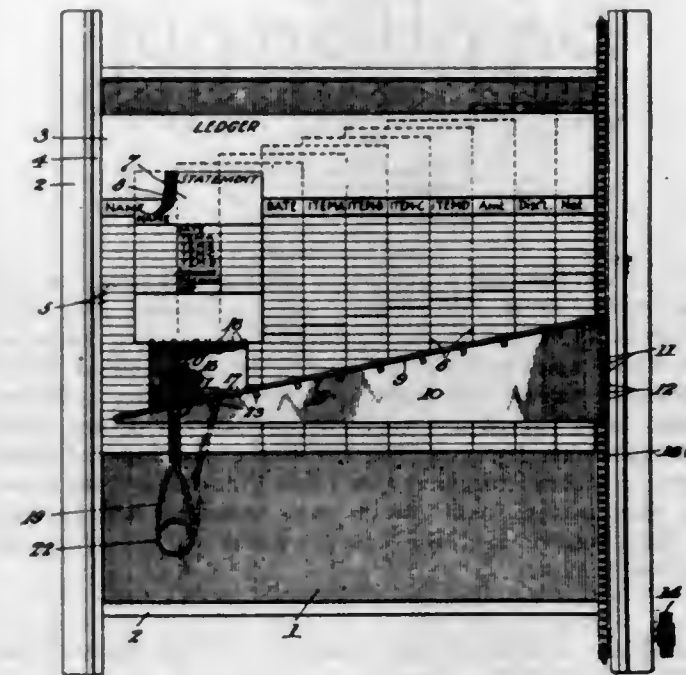
A wall chute comprising an outer tube adapted to extend inwardly from the exterior face of a wall, an inner tube adapted to extend outwardly from the interior face of a wall and to telescopically surround at least the end of said outer tube, a flange carried by said outer tube at the outer end thereof in a plane substantially perpendicular to the axis of said tube adapted to overlie the exterior face of said wall adjacent said tube, a door carried by said outer tube at the outer end thereof adapted to normally close said tube but pivoted to swing into said tube into a position parallel to a wall of said tube, a flange carried by said inner tube at the inner end thereof in a plane substantially perpendicular to the axis of said tube adapted to overlie the interior face of said wall adjacent said tube, and a door carried by said inner tube at the inner end thereof adapted to normally close said tube but pivoted to swing from said tube into a position parallel to a wall of said tube.

1,512,308. PAPER TABLE. DAVID YULEE READ, Washington, D. C., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,658. 4 Claims. (Cl. 197-143.)



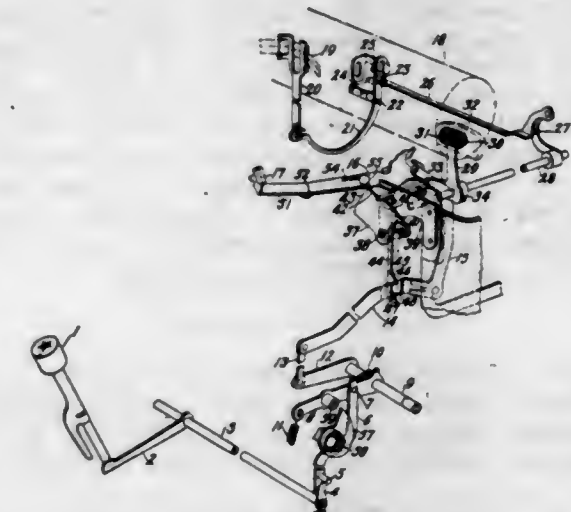
1. The combination with a flat platen, of a paper table normally occupying an inoperative position but movable into the plane of the platen to receive work sheets therefrom.

1,512,309. PLATEN EQUIPMENT. DAVID YULEE READ, Washington, D. C., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,659. 8 Claims. (Cl. 197-127.)



1. The combination with a platen, of means for retaining superposed work sheets opposite the platen, said retaining means permitting, and guiding said work sheets in relative movement in an angular direction with respect to the lines of writing.

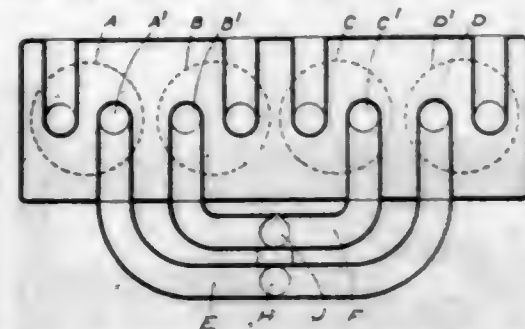
1,512,310. COMBINED TYPEWRITING AND COMPUTING MACHINE. HENRY RESCH, Bayonne, N. J., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,370. 23 Claims. (Cl. 235-60.)



1. In a typewriting machine, in combination, bichrome mechanism normally in position to cause typing to be effected in one color, a type-bar, and means whereby, upon actuation of said bar, the bichrome mechanism will be shifted to cause printing in the other color.

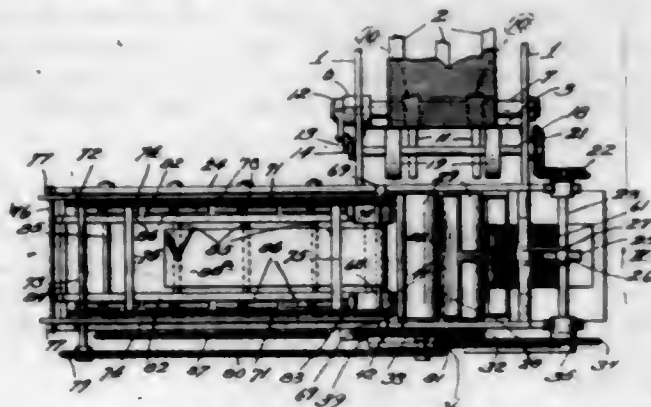
21. A complement of interchangeable type-blocks for printing clearance signs, said complement comprising a type-block for each day of the month, each block being provided with means to type the clearance sign and also the number of the day of the month when it is to be used.

1,512,311. INDUCTION SYSTEM OF INTERNAL-COMBUSTION ENGINES. HARRY RALPH RICARDO, London, England. Filed Jan. 12, 1924. Serial No. 683,786. 5 Claims. (Cl. 123-52.)



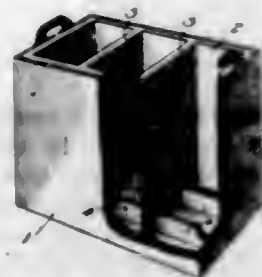
1. In an internal combustion engine operating on the four-stroke cycle and having four cylinders and four separate inlet ports, the combination of two separate and noncommunicating induction conduits each of which extends between the induction ports of two cylinders whose inlet valves are actuated so that there are equal time intervals between the successive openings of these ports, a carburettor, and two pipes branching from above the carburettor each branch pipe opening substantially at right angles into the centre of the length of an induction conduit.

1,512,312. PAPER-FOLDING AND WRAPPER-APPLYING MACHINE. GEORGE E. RIDER and CLARENCE A. GLEASON, Kansas City, Mo. Filed Aug. 14, 1922. Serial No. 581,643. 9 Claims. (Cl. 270-2.)



1. In a machine of the character described, means for moving a wrapper edgewise toward the side of a paper and for starting the folding of the latter with the wrapper partially within the fold, means for completing such folding operation, means for refolding the paper with a portion of the wrapper projecting therefrom, and means for rotating the folded paper to cause the projecting end of the wrapper to overlap and engage the intermediate portion thereof where the same is folded with the paper, but exterior to the latter.

1,512,313. STORAGE-BATTERY CONTAINER. JAMES G. ROWE, Niagara Falls, N. Y., assignor to Andrew A. MacLean, Niagara Falls, N. Y. Filed Dec. 28, 1923. Serial No. 683,220. 10 Claims. (Cl. 206-2.)



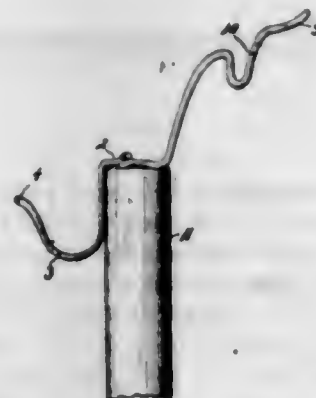
1. A storage battery container having at least one compartment and comprising a case lined with an asphaltic hydrocarbon composition molded in situ, said case forming a reinforcing backing for said lining.

1,512,314. BALL RACK. LEWIS I. RUTTER, Kansas City, Mo. Filed Mar. 10, 1922. Serial No. 542,583. 3 Claims. (Cl. 46-66.)



1. In a ball rack of the kind described, a runway having a place of rest for balls, inverted U-shaped yokes mounted on said runway at said place of rest and spaced apart from each other a distance substantially the same as the diameter of the balls used, and flexible cushioning devices respectively suspended from said yokes in the path of said balls and in position in which they will respectively hold the balls apart when the latter are at said place of rest on the runway, substantially as set forth.

1,512,315. LIFTING HOOK. JULIA M. SANDFORD, Seattle, Wash. Filed May 18, 1923. Serial No. 639,915. 2 Claims. (Cl. 294-24.)

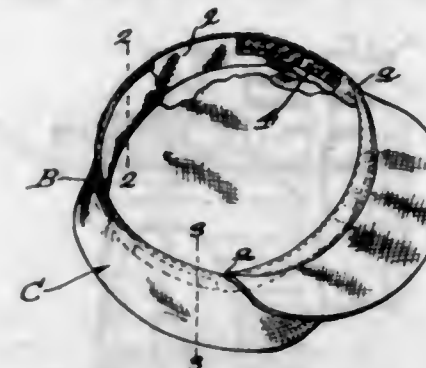


2. The combination with a pole or handle, of a double hook thereon constructed from a single strand of wire to include a central straight portion having an end terminating in a downturned screw which is let in one end of the handle to allow the said straight portion to rest on the said end of the handle, said straight portion being rounded downwardly and upwardly to provide one side of a hook, the end of which being bent and rounded to provide the second side of the hook and the inner wall of the hook contacting with a side of the handle, said strand being continued over the handle and from thence rounded upwardly and outwardly as well as downwardly and outwardly to form one side of a hook and from thence continued upwardly and outwardly to provide one side of a directing beak for the hook, said strand being bent to provide the second side of the beak, the hook and the said upwardly rounded portion and terminating in a straight portion which rests over the handle and is bent under and over the first mentioned straight portions of the handle and thence bent under in contacting engagement with the screw and over the first mentioned straight portions of the hook.

1,512,316. CAP. WILLIAM SHERMAN, Los Angeles, Calif. Filed Oct. 19, 1923. Serial No. 669,514. 1 Claim. (Cl. 2-107.)

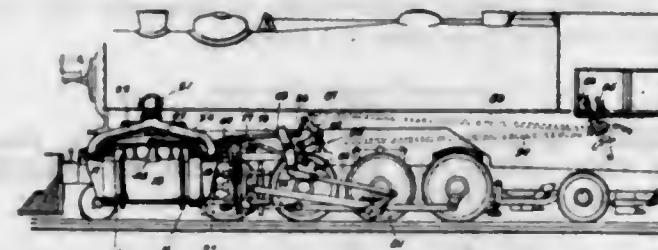
A head cap having an elastic band structure comprising an inelastic band piece portions of which are cut

away along one edge, and sections of innately elastic material affixed to said piece at the ends and along the side



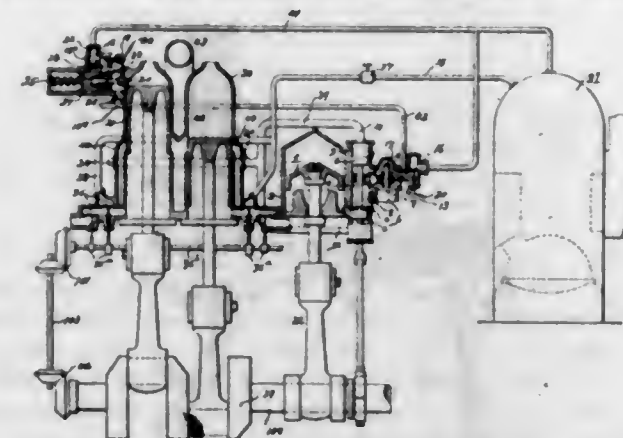
of each opening; the portions of the said strip contiguous to the openings being gathered to provide for extension of the elastic sections.

1,512,317. LOCOMOTIVE. JOHN W. SMALL, Washington, D. C., and LEWIS DE WITT FREEMAN, Portsmouth, Va. Filed Dec. 3, 1920. Serial No. 428,040. 8 Claims. (Cl. 121-124.)



1. In a locomotive, a working cylinder, separate admission and exhaust valves therefor, means for imparting travel to the valves, means for reversing travel of the admission valves, and means for reversing travel of the exhaust valves and operable to coact with said second mentioned means for automatically reversing the travel of the admission valves coincidentally.

1,512,318. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. WILLIAM JOSEPH STILL, Westminster, London, England. Filed July 28, 1920. Serial No. 399,582. 6 Claims. (Cl. 60-18.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A prime mover comprising an internal combustion engine cylinder, a scavenge pump operating on the same crank shaft as the internal combustion engine cylinder but at a different angle, a boiler for the production of steam under pressure, means for admitting steam from the boiler to the scavenge pump, and valve means associated with said scavenge pump adapted to permit said scavenge pump to function automatically as a steam cylinder when starting the engine and as an air pump for supplying scavenging air to the internal combustion engine cylinder when the steam supply to the scavenge pump is cut off.

1,512,319. SPARK PLUG. HENRY W. STUVER, Denver, Colo. Filed July 22, 1922. Serial No. 576,793. 4 Claims. (Cl. 123-169.)

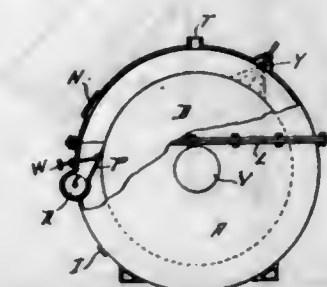


1. A spark plug comprising a metal shell, an insulating body therein, having at its lower end a recess and a thin rim around the same, an electrode having a cup-shaped terminal in said recess in spaced relation to the rim, and an electrode on the shell extending inside said cup-shaped terminal.

1,512,320. PROCESS OF EXTRACTING SULPHUR FROM ORE. WILLIAM P. THORNTON, Chicago, Ill. Filed June 4, 1919. Serial No. 301,687. 32 Claims. (Cl. 23-10.)

19. The process of extracting sulphur from ore which comprises the steps of subjecting the ore mass to heat to melt the sulphur, allowing the ore mass to cool, washing the mud from the cooled ore mass, and thereafter recovering the sulphur.

1,512,321. FILTERING PROCESS AND APPARATUS. JUSTIN F. WAIT, Buffalo, N. Y. Filed Feb. 2, 1920. Serial No. 355,592. 9 Claims. (Cl. 210-202.)

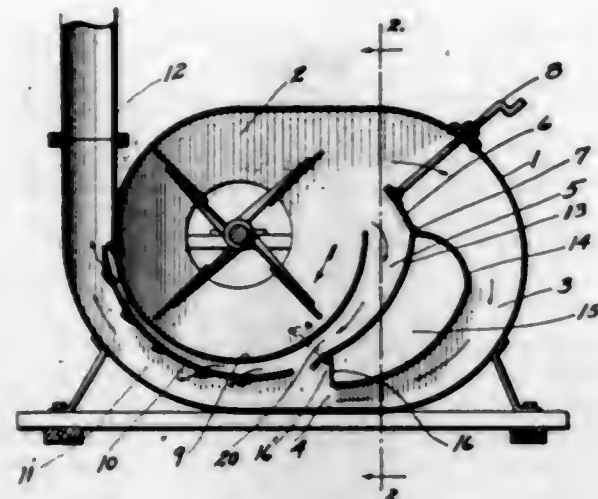


1. In pressure filtering for the separation of solids from liquids, the method comprising conducting the filtration in a reducing atmosphere with respect to the filter cake.

1,512,322. FAN BLOWER. HALBERT C. WALLACE, Fargo, N. Dak. Filed Sept. 11, 1922. Serial No. 587,315. 10 Claims. (Cl. 302-37.)

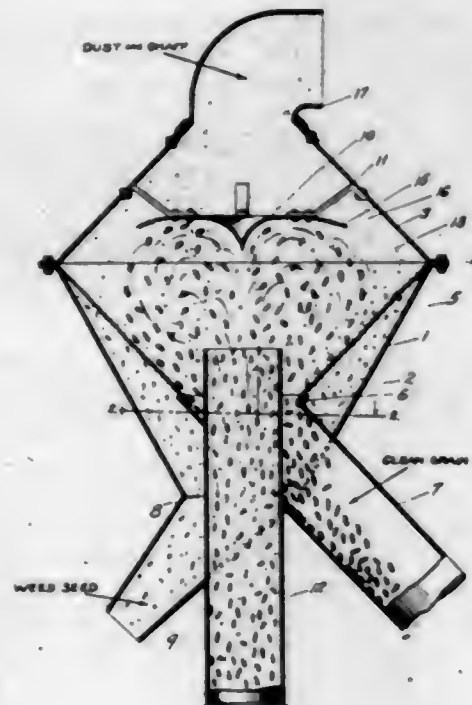
1. A grain blower comprising a casing, a whorl chamber in the casing, an impeller in the whorl chamber, a chamber in the casing eccentric to the whorl chamber communicating with the whorl chamber, and an inclosed

transverse grain receiving hopper in the casing having an inlet through the wall of the casing and a discharge opening to permit grain to discharge into the eccentric



chamber outside the whorl chamber, the eccentric chamber having an end discharging into the casing above the stream lines of air passing through the casing.

1,512,323. GRAIN CLEANER. HALBERT C. WALLACE, Kansas City, Mo. Filed Oct. 8, 1923. Serial No. 667,158. 6 Claims. (Cl. 130-17.)

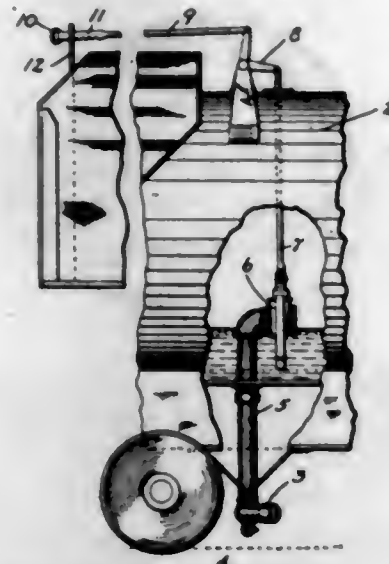


3. A grain cleaner comprising a casing consisting of two cone members connected at their base ends, a pipe projecting through the vertex of the lower cone member, a conical screen carried by the lower cone member and discharging into a spout having an inlet surrounding the pipe, an outlet for the bottom of the lower cone member, and a baffle in the casing above the pipe, the upper end of the casing being provided with an opening.

1,512,324. TRACK SPRINKLER. WILLIAM H. WHALEN, Los Angeles, Calif. Filed May 25, 1922. Serial No. 563,544. 2 Claims. (Cl. 299-31.)

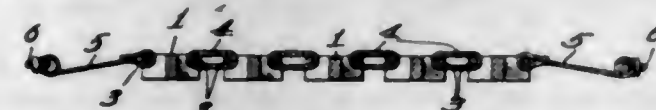
1. The combination with a locomotive water tender of a manifold, a standpipe connected thereto and extending through the bottom of the tender tank and to a point a

substantial distance above the bottom, a valve at the upper inner end of the standpipe, means on the tender tank accessible to the operator for opening and closing



said valve, said manifold extending in a plane across the railroad track and slightly above the track, and said manifold having perforations to form fine jets of water to lay the dust upon the track.

1,512,325. WHEEL CHAIN. GEORGE I. WORLEY, Denver, Colo. Filed Jan. 29, 1923. Serial No. 615,609. 5 Claims. (Cl. 152-14.)



3. In an automobile tire chain, links of relatively H-shape and formed near their ends with connecting pins, and connecting links pivotally secured to adjacent connecting pins; said connecting pins being so arranged that the connecting links shall not contact with the roadway and shall hold the H-shaped links out of contact with the tire.

1,512,326. KNOCKDOWN SEAT. LEVI LEE WYNN, West Graham, Va. Filed Feb. 7, 1924. Serial No. 691,230. 1 Claim. (Cl. 155-191.)



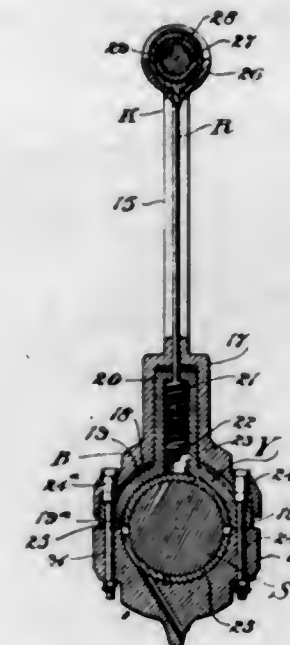
In a bench, a seat portion and a back portion, said back portion including vertical bars having longitudinally disposed bores, leg sections including lengths of metal bent to provide upwardly extended portions adapted to be fitted in the bores to removably secure the leg sections to the seat section, and stops carried by the leg sections and adapted to be engaged by the seat portion to restrict movement of the seat portion with respect to the leg sections.

1,512,327. SKATE OR OTHER RUNNER. WILLIAM HOYT YOUNG, JR., Paterson, N. J. Filed July 26, 1923. Serial No. 653,940. 2 Claims. (Cl. 46-50.)



1. A skate comprising a plate having an opening adjacent at least one end and having said end turned upwardly, a runner strip extending along the lower side of said plate and having one end turned upwardly through said opening and disposed on top of said upwardly turned plate end, and means securing said strip to said plate.

1,512,328. SELF-ADJUSTING BEARING. ROLLO R. BELL, Hollywood, Calif. Filed Dec. 3, 1921. Serial No. 519,709. 5 Claims. (Cl. 74-17.)



1. In combination, a connecting rod including a bearing block formed at one end and a bearing sleeve at the other end, said bearing block being formed centrally with a sleeve and grooves in the face of the block extending from said sleeve, a cap movably supported on the bearing block, a yoke within the bearing block and including arms disposed in said grooves and a head disposed in said sleeve, a rod slidably fitted in the connecting rod and extending into said head, an annular head formed on one end of the rod and extending into said bearing sleeve, a brass embraced by said annular head, an expansible spring in the first head and surrounding said rod, and means for confining the spring on the rod, all for the purpose described.

1,512,329. PRESSURE-EQUALIZING VALVE. HENRY EDGAR DARROW, Santa Barbara, Calif. Filed Mar. 1, 1921. Serial No. 448,920. 5 Claims. (Cl. 137-104.)

5. In combination in a valve, a valve casing having an inlet port and an outlet port, a valve seat at the outlet port, a cylindrical casing having an open port adjacent the valve seat, a valve piston in said cylindrical casing having a plurality of chambers above said valve seat, a

disc packing at the lower end of said piston, means for removably securing said packing to the piston, there being a slight clearance space between said valve piston



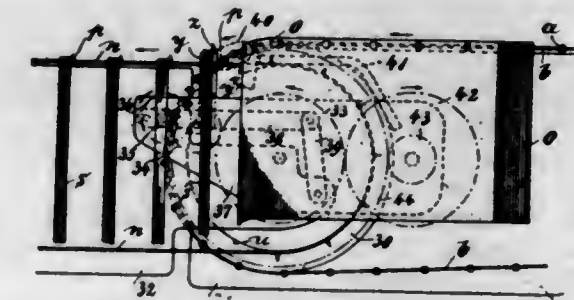
and said cylindrical casing, a closure for said cylindrical casing, and reciprocating means for operating said valve piston.

1,512,330. AUTOMOBILE DOOR SIGN. BEAT W. FLANDERS, Lomita, Calif., assignor to Flanders Moat Company, a Partnership consisting of A. W. Moat and B. W. Flanders, Lomita, Calif. Filed June 21, 1923. Serial No. 646,746. 4 Claims. (Cl. 40-129.)



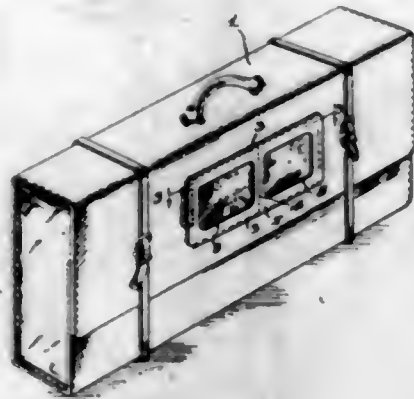
2. A door sign, comprising a substantially flat body formed at one edge with a shoulder, arms extensibly associated with the body adjacent said shoulder, and lips formed on said arms adapted to engage the window frame of said door in the manner and for the purpose described.

1,512,331. MACHINE FOR DISTRIBUTING PLASTIC OBJECTS. PAUL WILHELM FUNCK, Stuttgart, Germany. Filed Feb. 3, 1922. Serial No. 533,886. 3 Claims. (Cl. 198-20.)



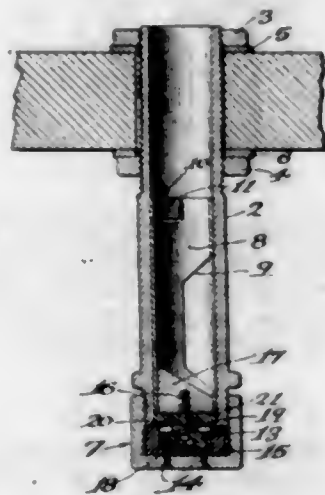
1. In a device of the kind described in combination, two endless band conveyers adapted to travel around inclined axes one forming a continuation of the other, and extending partly alongside thereof, teeth on the second conveyer and means for moving the conveyer at higher speed than the first one.

1,512,332. CARD HOLDER. CHARLES T. GOEWY, South Bend, Ind. Filed Mar. 1, 1924. Serial No. 696,229. 7 Claims. (Cl. 40-16.)



1. As a new article of manufacture, a substantially rectangular holding strip adapted to be secured at the longitudinal edges and at one end edge to a wall of a shipping container or like support, whereby a pocket will be defined between said holding strip and the supporting wall for the reception of a card, and a flexible strip attached to the holding strip at the second end of the latter and being foldable into the pocket against the inner face of the card in the latter.

1,512,333. SLIP-SLEEVE VALVE. EDWARD M. HARBERTSON, Los Angeles, Calif. Filed May 18, 1923. Serial No. 639,987. 8 Claims. (Cl. 231-8.)

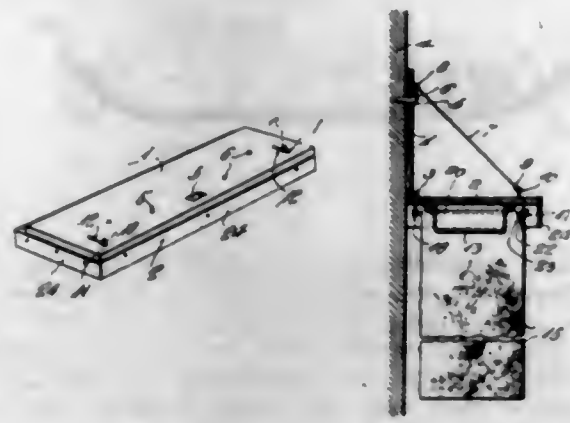


1. In a slip sleeve valve, a fixed outlet pipe, a cap therefor, and an apertured sleeve secured to said cap and extending into said pipe, said sleeve being provided with a gasket secured at the end thereof and adapted to contact with the interior of said pipe.

1,512,334. PORTABLE WARDROBE. JOHN R. HENDERSON, Hamlet, N. C. Filed Dec. 4, 1923. Serial No. 678,543. 2 Claims. (Cl. 45-118.)

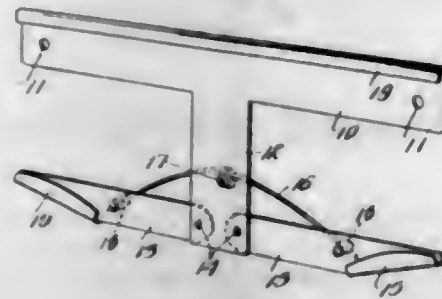
1. A portable wardrobe comprising a back section, a shelf section hinged thereto, said back section having openings extending therethrough, fastening eyes on the shelf section adapted to project through said openings when said shelf section is folded, flexible eyes on the back section, suspending chains secured at one end to the fastening eyes on the back section and having hooks at their free ends for detachable engagement with said

fastening eyes on the shelf section, garment suspending means carried by the shelf section, and fastening members on the rear face of the back section for engagement



with said fastening eyes on the shelf section, when said eyes are extended through the openings in the back section, for securing said back section and said shelf section in folded relation.

1,512,335. LICENSE-PLATE HOLDER. ERNEST HEAVIN, Coatesville, Ind. Filed Nov. 23, 1923. Serial No. 676,634. 3 Claims. (Cl. 40-125.)



1. A license plate holder comprising a portion adapted to hold one edge of the plate detachably in place, and pivoted arms engaging the opposite edge of the plate, substantially as set forth.

1,512,336. TENSIONING DEVICE. WALTER D. HITCH and OSCAR R. GRAP, New Albany, Ind. Filed July 7, 1923. Serial No. 649,984. 5 Claims. (Cl. 188-259.)

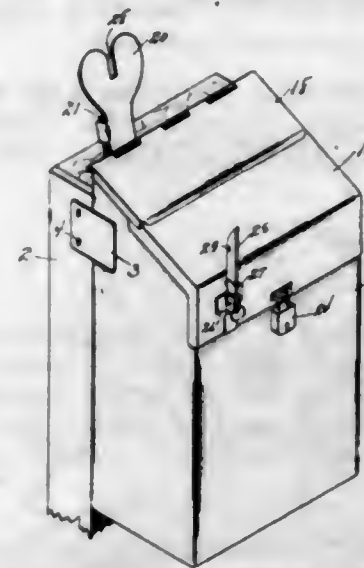


3. A friction shoe for a tensioning device comprising a block consisting of a plurality of piles of friction material united together, means located substantially centrally of one face of the shoe for securing the same to a supporting part, the shoe at opposite sides of the securing means being provided with sockets, and plugs of wood frictionally held within the sockets and each having an end presented at the friction face of the shoe, the grain of the plugs running longitudinally thereof.

1,512,337. CITY AND RURAL MAIL BOX. JOSEPH E. JACKSON, Galesburg, Ill. Filed Oct. 1, 1923. Serial No. 665,927. 8 Claims. (Cl. 232-35.)

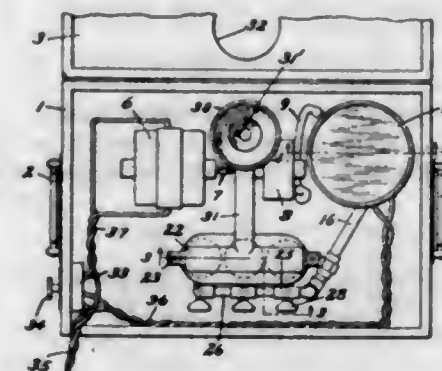
1. A city and rural mail box having receiving and removal openings, closures for said openings, an indicator

actuated to an indicating position by one of said closures, and means associated with the other closure for engag-



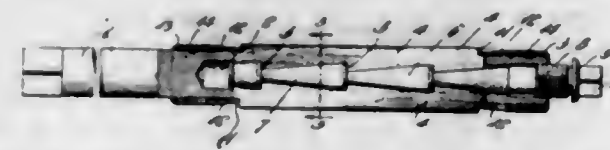
ing the indicator and returning it to a non-indicating position when said closure just mentioned is moved to an open and closed position.

1,512,338. MEDICINAL VAPORIZER. RAYMOND JACKSON, Los Angeles, Calif. Filed Aug. 17, 1920. Serial No. 404,177. 2 Claims. (Cl. 128-192.)



1. A vaporizer comprising a tank, an air compressor in communication with the tank, an electric motor for actuating the compressor, an electrical heating coil within the tank, a circuit controller for supplying current to the motor and heating coil, a liquid receptacle divided interiorly into a plurality of compartments, pipes for effecting communication between the top of said tank and the bottom of said compartments, valves for selectively controlling the passage of air to the compartments, and a common discharge nozzle at the top of the receptacle.

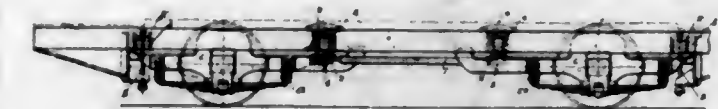
1,512,339. EXPANSION REAMER. ROBERT JOHNSON and AMEDEE MOREAU, New Bedford, Mass. Filed May 13, 1922. Serial No. 561,243. 3 Claims. (Cl. 77-76.)



1. An expansion reamer comprising a body provided with a central longitudinal bore and circumferentially spaced elongated slots communicating with said bore, blades arranged in said slots and having their inner ends extending into the bore, an expander cooperative with the blades for expanding them, collars removably fitted on the body and embodying circumferentially spaced spring-fingers cooperative with the opposite ends of the blades for automatically moving them inward as the expander is withdrawn from the bore.

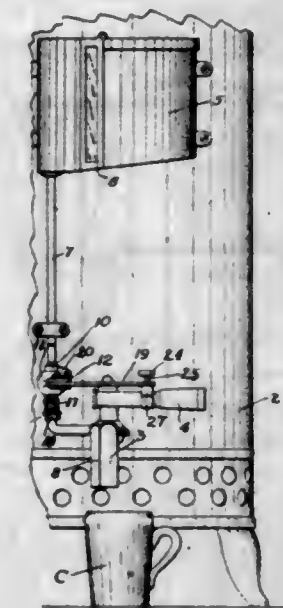
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1,512,340. BOGIE FOR RAILWAY AND LIKE CARRIAGES. ALPHONSE KAMP, Ostend, Belgium. Filed June 19, 1923. Serial No. 640,359. 3 Claims. (Cl. 105-165.)



1. In a bogie for railway and tramway carriages, of the type wherein the centre of rotation is not coaxial with the centre of figure of the bogie structure, the combination of a bogie-frame, a sphere-ended vertical pivot-pin bearing on the centre of the transverse member of the said bogie-frame nearest the centre of the carriage so as to form the turning centre of said bogie-frame, and resiliently supporting the carriage frame at a point situated on the longitudinal axis thereof, and two self-reacting universally-movable rod connections bearing on two points of the other transverse member of the bogie-frame and resiliently supporting the carriage frame at two points situated symmetrically in relation to the longitudinal axis of said frame and nearer to the end thereof than its point of support by the aforesaid pivot-pin, substantially as described.

1,512,341. MILK AND COFFEE DISPENSER. ALBERT KUHN, Pasadena, Calif. Filed Nov. 24, 1922. Serial No. 603,021. 2 Claims. (Cl. 225-21.)

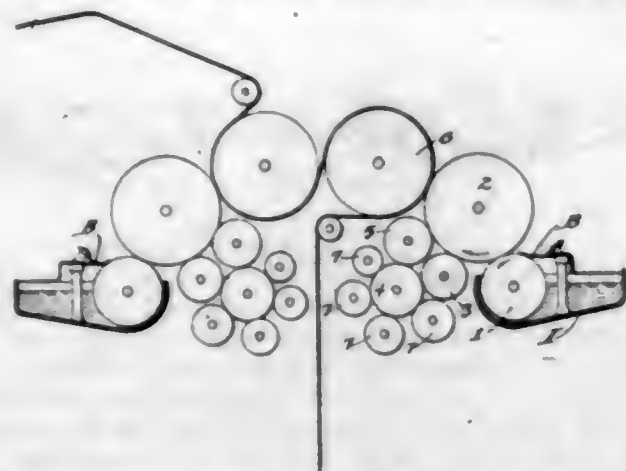


1. A milk and coffee dispenser comprising a coffee tank having an outlet faucet, a milk holder having a pipe with a discharge end contiguous to the outlet of said faucet, said milk pipe having a plug-like body portion provided with spaced ports, a valve shell turnably mounted on said body and having a passageway to concurrently register with said ports, a lever arm for said shell, and an operating connection between said lever arm and the handle of the coffee faucet whereby coffee and milk can be concurrently discharged.

1,512,342. AUTOMATIC INKING DEVICE FOR PRINTING PRESSES. ALBERT L. LENGEL, Bakersfield, Calif. Filed Dec. 29, 1922. Serial No. 609,694. 6 Claims. (Cl. 101-350.)

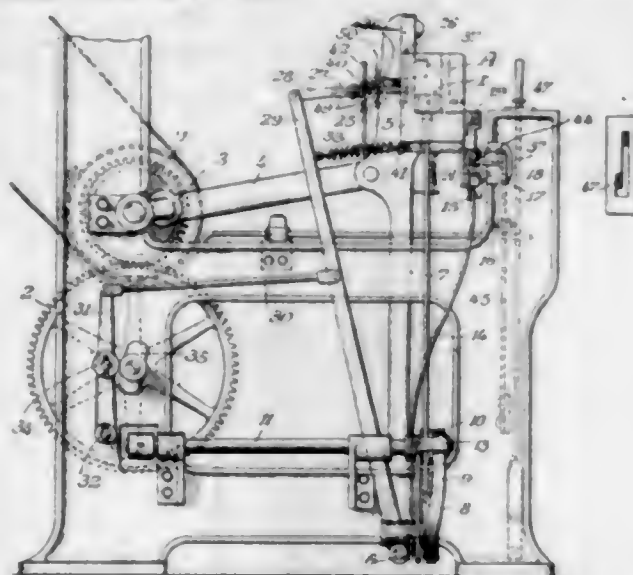
1. Inking apparatus for printing presses comprising, in combination, a printing form, a fountain having a cloth faced fountain roller engaging said form, an impression

member between which and the said form the sheet to be printed is run, and a system of ink distributing rollers certain of which engage the form at a portion thereof



after the deposit of ink thereon by the said fountain roller and prior to the engagement by the printing form of said impression member.

1,512,343. SHUTTLE CHANGE. BARTOLOMEO DELLA LIBERA, Seveso San Pietro, Italy, assignor to the Firm Fratelli Schwarzenbach & Co., Seveso San Pietro, Italy. Filed Feb. 26, 1923. Serial No. 621,390. 8 Claims. (Cl. 139-171.)



1. A device for engaging the shuttle in the batten of a weaving loom, comprising two shuttle boxes on said batten, a movable partition plate in one of said shuttle boxes adapted to divide said shuttle box into two superimposed compartments, switch means provided in front of the latter shuttle box and adapted to cause a returning shuttle to reach the upper of said compartments, means adapted to automatically operate said switch means, means to operate said movable partition plate to permit the shuttle delivered into the upper compartment to drop into the lower compartment, and a shuttle operating device.

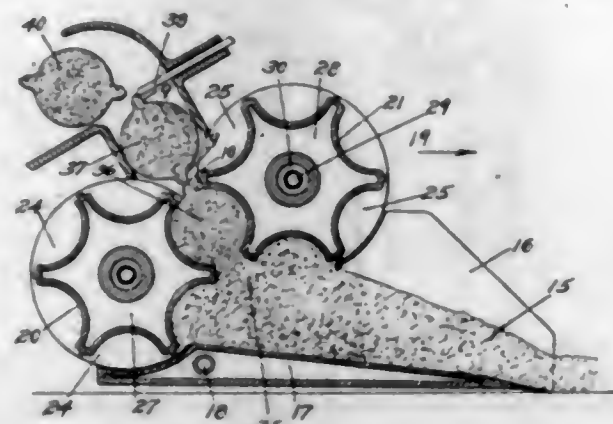
1,512,344. MAGNETIC SEPARATOR. PAUL LORANG, Metz, France. Filed Mar. 28, 1923. Serial No. 628,329. 3 Claims. (Cl. 83-71.)



1. In a magnetic separator, the combination of an iron plate with electro-magnetic coils, a helical conveyor for transporting the pulverized material along the iron plate,

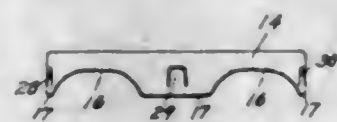
a channel for the conveyor, and shovels arranged between the windings of the helical conveyor, substantially as and for the purpose described.

1,512,345. BRIQUETTING PROCESS AND MACHINE. WILLIAM A. LORENZ, Hartford, Conn. Filed Mar. 5, 1921. Serial No. 449,821. 2 Claims. (Cl. 37-10.)



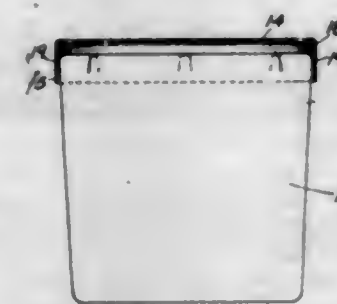
1. Means for forming briquettes of snow, which consists of an apparatus to gather and compress the snow, two rotary compressing cylinders, having pockets therein for receiving and compressing the snow, and having necking devices that cooperate to form projections on the sides of the briquettes, means to rotate the compressing cylinders and pass the briquettes to breaking means, and means to break off the briquettes to separate them.

1,512,346. CLOSURE FOR CONTAINERS. WILLIAM A. LORENZ, Hartford, Conn. Filed Mar. 12, 1923. Serial No. 624,462. 5 Claims. (Cl. 215-34.)



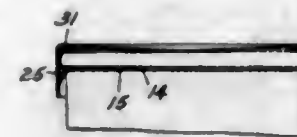
1. The method of hermetically sealing a package comprising a sharp shouldered jar, a cap having inwardly bent spring catches of different lengths and a resilient gasket in the cap, which consists in pressing the cap and the gasket upon the jar, until the shorter spring catches engage the jar shoulder; then exhausting the air from the jar, then compressing the cap and gasket still more, until the longer catches engage the jar shoulder; then releasing the pressure on the cap, allowing the gasket to expand, and thereby causing the catches to engage with the shoulder of the jar.

1,512,347. CLOSURE FOR CONTAINERS. WILLIAM A. LORENZ, Hartford, Conn. Filed May 2, 1923. Serial No. 636,265. 3 Claims. (Cl. 215-40.)



1. In combination a cap for a container having a rim portion provided with inwardly bent projections and a gasket situated in said cap and held engaged and in position therein by said projections.

1,512,348. CLOSURE FOR CONTAINERS. WILLIAM A. LORENZ, Hartford, Conn. Filed May 2, 1923. Serial No. 636,266. 5 Claims. (Cl. 215-38.)



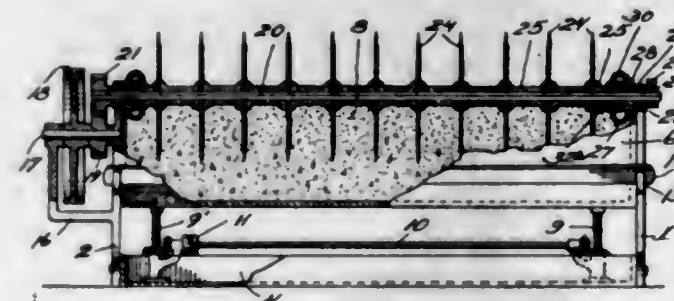
1. In combination a container having a plurality of shoulders spaced at different distances from the mouth of the container, and a cap having a rim provided with inwardly bent resilient catches adapted to successively engage said shoulders when the cap is forced into place.

1,512,349. CLOSURE FOR CONTAINERS. WILLIAM A. LORENZ, Hartford, Conn. Filed May 24, 1923. Serial No. 641,248. 3 Claims. (Cl. 215-38.)



1. In combination a container having a shoulder near its upper edge and a cap having a rim provided with resilient inwardly bent fingers adapted to have their upper ends engage beneath said shoulder, said rim also having spring fingers bent intermediate their ends to engage beneath said shoulder and having their free ends bent outwardly.

1,512,350. DISK SCOURING AND POLISHING APPARATUS. WILLIAM M. MCCORMICK and WILLIAM H. WILSON, Nashua, Mo. Filed July 24, 1922. Serial No. 577,029. 2 Claims. (Cl. 51-7.)



1. In a polishing machine, the combination with a pair of standards, each formed with a vertical slot, a rectangular frame connecting the upper ends of said standards, split bearings carried by said frame in substantial alignment with the vertical axes of said standards, a horizontal shaft journaled in said bearings, driving means secured to one end of said shaft, and a polishing box provided with ears engaged in the slots of the standards and adapted to be adjusted vertically and in its uppermost position having its upper edge received within said rectangular frame.

1,512,351. TOY THEATRICAL DEVICE. GUSTINE MILNER MABRY, New York, N. Y. Filed Mar. 21, 1921. Serial No. 453,972. 9 Claims. (Cl. 46-40.)

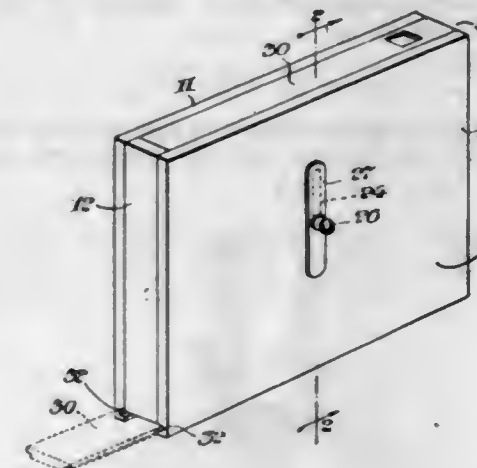
1. A toy theatrical device comprising a stage support, a convex proscenium arch, and a circular rotatable

stage mounted on said support concentric with and juxtaposed to the rear surface of the arch, said stage being subdivided by upright radial walls into a series



of separate stages, each stage at its outer margin being adapted to occupy the space between the sides of the proscenium arch.

1,512,352. RECEPTACLE FOR BARBERS' IMPLEMENTS AND THE LIKE. NICK MALLARDI, Brooklyn, N. Y. Filed Mar. 23, 1923. Serial No. 627,013. 3 Claims. (Cl. 206-15.6.)

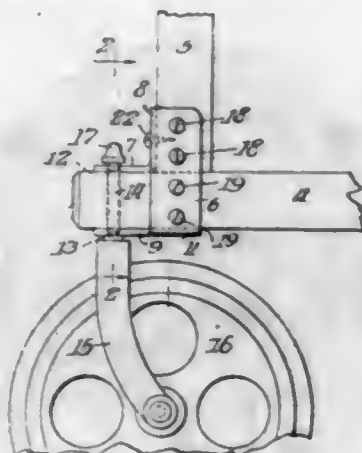


1. In a receptacle of the kind described, the combination with a case having an open top, of a vertically-movable holder within and of less depth than the said case and comprising a series of compartments within which the implements are adapted to be separately supported in position with their upper ends projecting above the holder, resilient means for maintaining said holder normally in raised position with the upper ends of the implements protruding above the open top of the case, means for manually depressing said holder to lower its contents into the case, said means being connected with the holder and extended exteriorly of a wall of the case, and a removable cover, adapted when applied to the case, to bear upon the implements and thus maintain the holder and its contents confined within the case.

1,512,353. COMBINATION BEARING AND CORNER BRACKET. MAX MARCUS, Chicago, Ill. Filed Apr. 24, 1924. Serial No. 708,630. 5 Claims. (Cl. 16-29.)

1. In a bracket for connecting angularly disposed frame members, the combination of an L-shaped portion for the reception of the said angularly disposed members, a stirrup for binding the angularly disposed members,

a projection of said stirrup parallel to one side of the L-shaped portion bearing apertures in the said one side of the L-shaped portion and the said projection which



register, a rotatable stem carried in the said bearing apertures, the said stem forming a key to effect an auxiliary connection between the angular members.

1,512,354. LIQUID COMPOSITION FOR DRIVING SELF-PROPELLED TORPEDOES. HUDSON MAXIM, Hopatcong Borough, N. J. Filed Feb. 23, 1921. Serial No. 447,177. 13 Claims. (Cl. 52-11.)

1. A self-combustive liquid fuel for evaporating water for driving torpedoes, containing the whole or part of the water to be evaporated.
2. A liquid fuel for driving torpedoes, consisting of an explosive material dissolved in a solution of water and another combustible.

1,512,355. CHIPPING TOOL. JAMES WALTER MERRITT, Norfolk, Va. Filed Apr. 11, 1921. Serial No. 460,159. 3 Claims. (Cl. 125-41.)

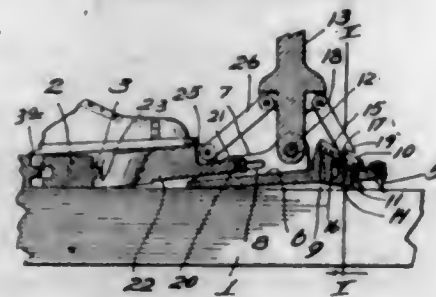


1. A device of the class described comprising a series of bits having spaced substantially parallel cutting edges, a bit positioned at each side of said series of bits having its cutting edge extending at substantially right angles to the cutting edges of said series, at least one of said last mentioned bits being removable.

1,512,356. FLOOR-BOARD ADJUSTER AND CLAMP. THOMAS B. MILLER, Kansas City, Mo. Filed Sept. 5, 1922. Serial No. 586,083. 8 Claims. (Cl. 254-15.)

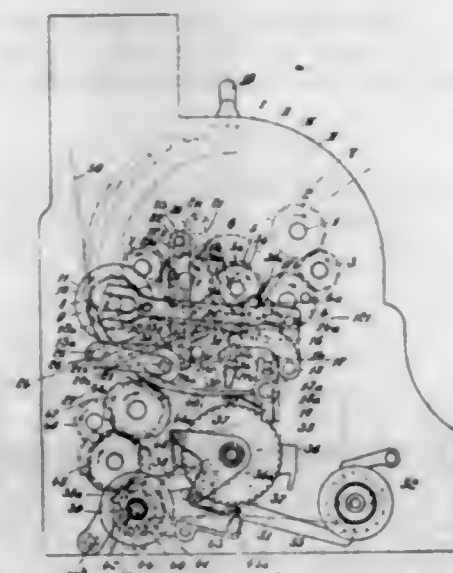
7. In a floor board clamp, the combination with a base provided with depending spurs and an opening at one end, a slidable pusher member on the other end of the

base, a handle pivoted to the base, a link pivotally connecting the handle and pusher, a rack freely movable up and down in said opening, and a dog pivoted to the handle and adapted to be actuated by rearward movement of the latter, to force the base downward until the



spurs are embedded in said support and the rack is raised by contact with the latter, into engagement with the dog to form a resistance point to rearward movement of the handle after the same has been swung forwardly to advance the pusher.

1,512,357. CASH REGISTER. WILLY NAUMANN, Bielefeld, Germany. Filed Dec. 8, 1923. Serial No. 679,380. 4 Claims. (Cl. 101-66.)

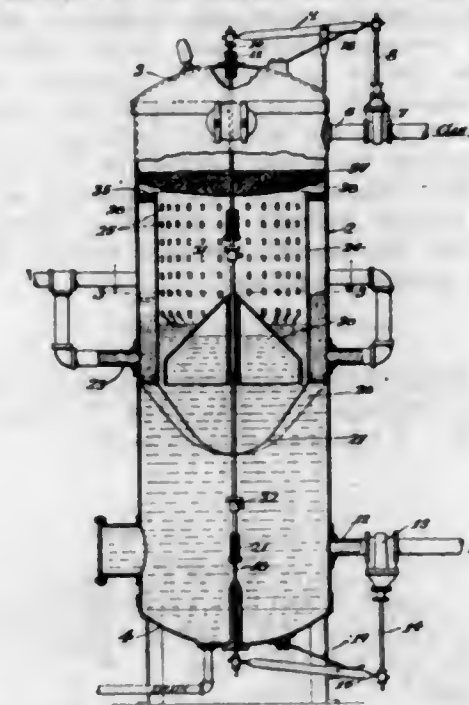


1. In a cash register the combination, with the printing mechanism, operating mechanism, mechanism intermediate said operating mechanism and printing mechanism adapted when actuating the operating mechanism to transmit to the printing mechanism respectively one and two printing operations, and means to set said transmitting mechanism into position for causing one or two printing operations, of paper feeding apparatus operatively connected with said operating mechanism for receiving therefrom two feeding operations, means to render said feeding apparatus inoperative during one feeding operation, and means for cutting checks from said paper.

1,512,358. GAS AND OIL SEPARATOR. BERTRAM NEILL, Norwalk, Calif. Filed Oct. 12, 1922. Serial No. 594,181. 13 Claims. (Cl. 183-34.)

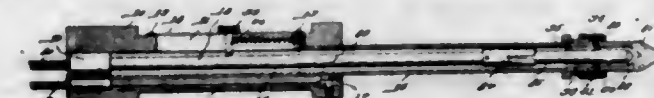
1. In an apparatus for separating liquids from gas, the combination of a shell having an inlet port for well product to be treated, outlet means for oil, separate

outlet means for heavier constituents such as sand and water in the product, an outlet for the gas in the product, and independent self-opening valves exterior of the



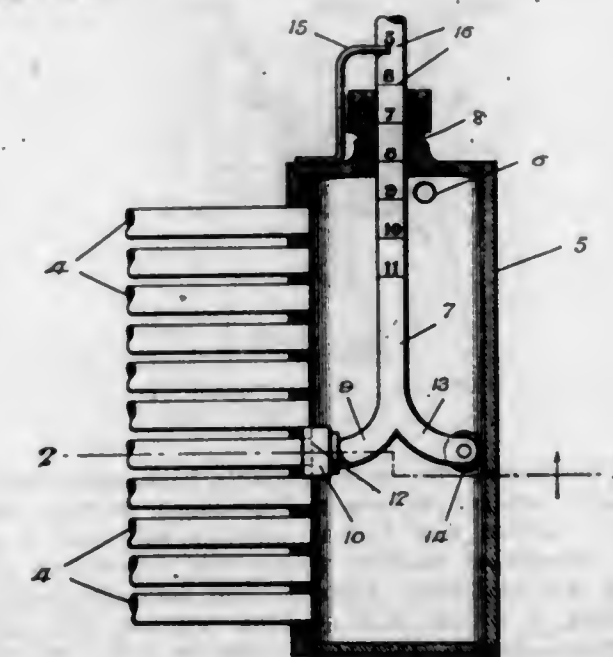
shell for controlling the oil outlet and the gas outlet, and means in the shell for automatically closing the valves.

1,512,359. ELECTRICAL SOLDERING IRON. ARTHUR BERNARD NELSON, Aberdeen, S. Dak. Filed Feb. 3, 1922. Serial No. 533,914. 3 Claims. (Cl. 219-28.)



1. In an electric soldering iron, a soldering tip, a slidably mounted bar, a socket carried by the bar and electrode mounted in the socket and projecting into the tip, insulating means interposed between the bar and tip, conductors connected with the bar and tip, and resilient means normally retaining the bar and tip separated.

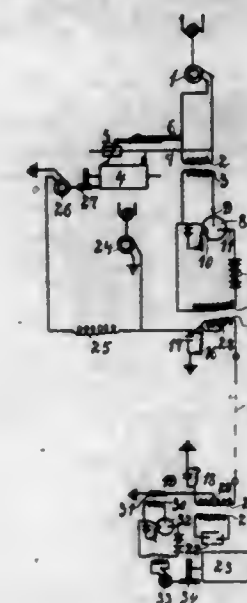
1,512,360. BOILER BLOW-OFF. CARLETON A. ORR, Pueblo, Colo., assignor to The Baker Steam Motor Car and Manufacturing Co., Inc., Pueblo, Colo. Filed May 29, 1922. Serial No. 564,502. 3 Claims. (Cl. 122-379.)



1. A blow-off device comprising a chamber, a plurality of tubes having terminals entering said chamber, and a blow-off tube movable in said chamber and having a mem-

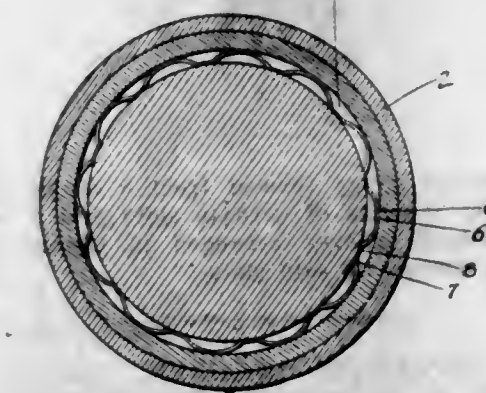
ber at its inner terminal to register with said terminals of the first named tubes, said member having a portion slidably engaging the terminals of the first named tubes to guide said member for registration in succession with said terminals of the first named tubes.

1,512,361. METHOD FOR SYNCHRONIZING APPARATUS ON A LONG DISTANCE. HERMOD MAGNE PETERSEN, Christiania, Norway. Filed June 18, 1920. Serial No. 389,925. 2 Claims. (Cl. 178-53.)



1. In the synchronism of distant motors for copying telegraphs, a sending and a receiving station, a line connecting them, a motor at each station, an alternator at the sending station supplying current to the motor at said station and sending current to line, an amplifying circuit at the receiving station, a transformer between the line and said circuit, an audion tube and a battery in said circuit and a second transformer supplying current to the motor at the receiving station.

1,512,362. PISTON-RING SPRING. HENRY C. PHELPS, Burbank, Calif. Filed Sept. 8, 1922. Serial No. 586,814. 1 Claim. (Cl. 74-109.)



- A piston ring expanding spring consisting of a strip of flat stock transversely corrugated from end to end to form alternately disposed short and long bows, the innermost bows of the ring forming bearing lands, the outer bows having flattened crests.

1,512,363. WRENCH. GILBERT CRAIN PHLEGER, Springfield, Ohio, assignor to Virdie P. Phleger, Springfield, Ohio. Filed Apr. 8, 1922. Serial No. 550,768. 3 Claims. (Cl. 81-154.)

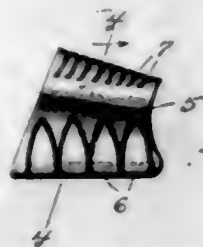
1. A wrench comprising a shank, a fixed jaw mounted upon said shank, a sliding jaw mounted upon said shank including an article engaging extension, and an extension disposed opposite upon said shank with respect to

said article engaging extension, said second mentioned extension having a pocket therein provided with a tapered surface facing an edge of said shank, a wedge shaped locking member disposed in the pocket of said sliding jaw for operation against the tapered surface therein, a spring normally forcing said wedge member into engagement with said tapered surface, whereby the



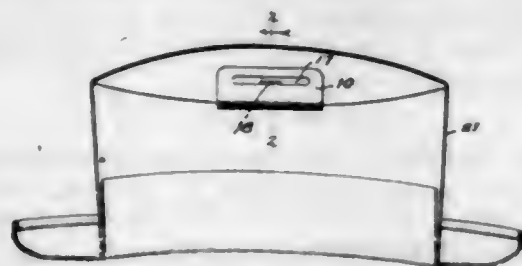
wedge member is locked into engagement with said shank, and a lever oscillatively mounted within said pocket at substantially right angles to the wedge member to have an end thereof bearing against said wedge, whereby the lever may be manually moved for moving the wedge member out of locking engagement with said shank.

1,512,364. MANICURING GAUGE. LAWRENCE J. ROSE, St. Louis, Mo. Filed July 5, 1923. Serial No. 649,540. 1 Claim. (Cl. 132-73.)



A manicuring gauge formed from a single sheet of metal having a series of arcuate slots and a series of outwardly-bulged grooves arranged in operative alignment with reference to said slots.

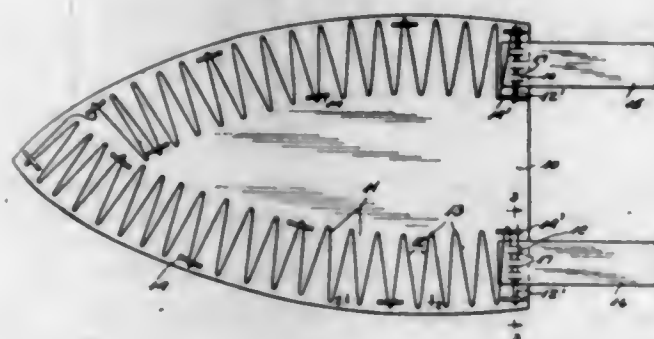
1,512,365. HAT-SHAPE RETAINER. NATHAN ROSEN, New York, N. Y. Filed Mar. 22, 1923. Serial No. 626,977. 1 Claim. (Cl. 2-185.)



A crease retaining device for hats including a body presenting a pair of opposed jaws constricted intermediate their longitudinal edges for a major portion of

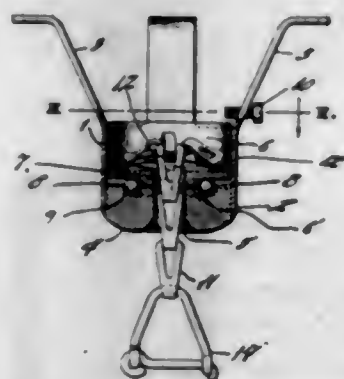
their lengths to form inner and outer portions, the distance between said constricted portions being equal to the thickness of the material forming the crease, said outer portions diverging outwardly to provide guides and finger grips between which said crease passes when mounting the device in operative position, said constricted portions each having a slot formed within the confines thereof and the material forming the edge of said slot adjacent the outer portion of the jaw being instructed to form substantially a continuation of the adjacent outer portion whereby to provide a gripping edge engageable with the material of said creases to retain the device in operative position.

1,512,366. ELECTRIC HEATING DEVICE. THOMAS C. RUSSELL, Chicago, Ill. Filed Apr. 7, 1922. Serial No. 350,335. 3 Claims. (Cl. 219-63.)



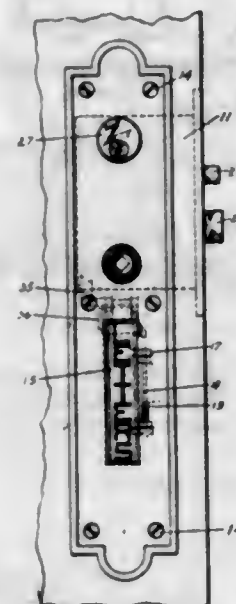
1. In a heating unit of the class described, the combination of an insulating supporting sheet, a resistance member supported on said sheet, terminals for said resistance member, the ends of said terminal being slitted and the ends of said resistance member being inserted through said slits to be electrically connected with said terminals.

1,512,367. SUSPENSION DEVICE FOR STRIKING BAGS. ALVIN E. SANDERBERG, St. Louis, Mo. Filed Apr. 8, 1922. Serial No. 550,814. 5 Claims. (Cl. 46-69.)



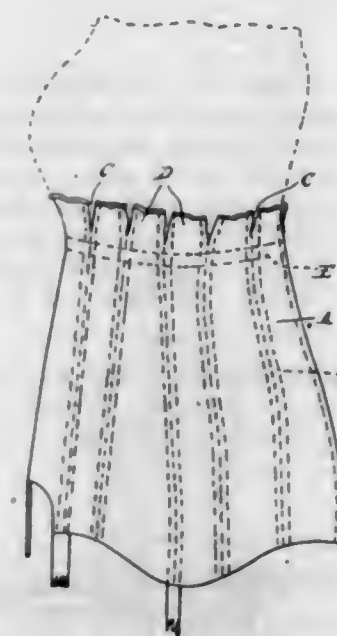
1. A suspension device for striking bags comprising a stationary member having a cup-shaped portion comprising a bottom wall and an annular side wall, a rotatable cup-shaped member within said cup-shaped portion of said stationary member, said rotatable member comprising a bottom wall and an annular side wall, anti-friction devices interposed between said rotatable member and said stationary member for permitting free movement of said rotatable member relative to said stationary member, and a suspending member associated with said rotatable member.

1,512,368. LOCK. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 22, 1919. Serial No. 346,481. 15 Claims. (Cl. 70-16.)



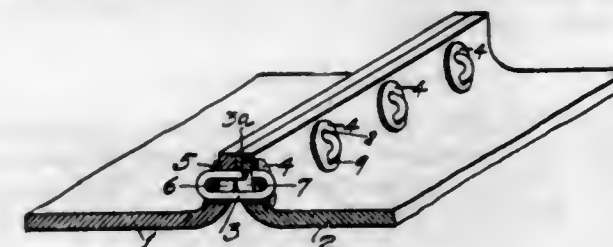
1. Locking mechanism comprising, an escutcheon plate having a passage therethrough, a protecting flap for closing said passage, a normally retracted bolt, and means operated by said flap to project said bolt from the lock by the opening of said flap.

1,512,369. CORSET. JOSEPH SIEGEL, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 5, 1921. Serial No. 519,838. 1 Claim. (Cl. 2-26.)



A corset comprising a plurality of vertical elongated overlapped sections, their overlapping portions being connected for the major portion of their height but being free above the waist line of the garment, and resilient reinforcements secured to the overlapping portions of said sections and extended into the free upper portions of said sections.

1,512,370. BELT FASTENER. BETHEL E. SMITHERS and LOUIS B. JONES, Hollywood Station, Tenn. Filed Oct. 29, 1923. Serial No. 671,337. 3 Claims. (Cl. 24-31.)



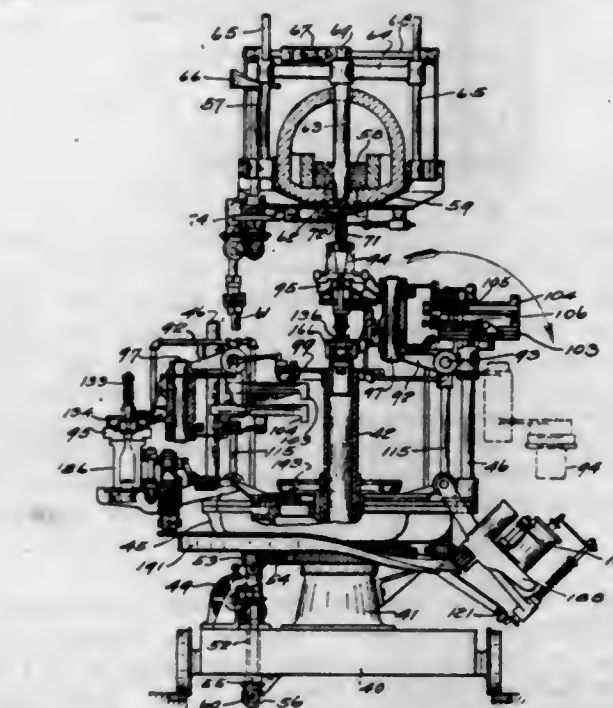
1. In a belt fastener, an elongated C shaped link having substantially parallel sides, and two washers adapted to coact therewith, each of said washers having openings spaced apart to conform to the spacing of the said sides, the open side of said link having an opening only slightly greater than the thickness of said washers.

1,512,371. PROCESS OF COATING MATERIAL. WILLIAM H. SOMMER, Peoria, Ill. Filed Mar. 25, 1922. Serial No. 546,933. 5 Claims. (Cl. 91-70.2.)



2. The process of coating materials having an iron base, which consists in subjecting the same, first—to a molten coating bath—then passing the same thru a heat insulator, and finally wiping the coating while in a heated state.

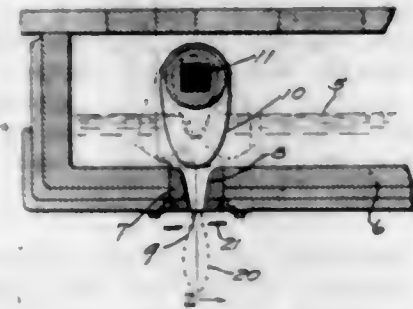
1,512,372. GLASS-FORMING MACHINE. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 18, 1921. Serial No. 462,107. 35 Claims. (Cl. 49-5.)



30. In a glass forming machine, the combination of a rotating carriage, blank molds, inverting heads by which the blank molds are carried, said heads connected to rotate with the carriage, means to swing said heads about horizontal axes for inverting the blank molds and bringing them to a charge receiving position at the center of the machine, finishing molds, supporting devices there-

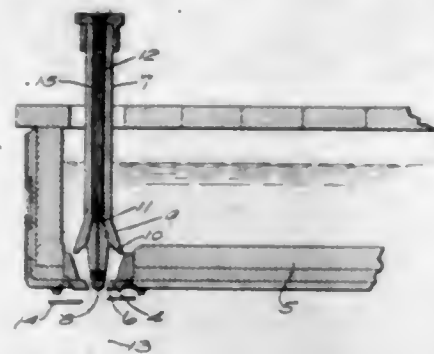
for connected to rotate with the carriage, and a track on which said devices run, said track formed to lower the finishing molds into position to clear the blank molds and their inverting heads and to move the finishing molds upward into position to receive the blanks when the blank molds are opened.

1,512,373. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 6, 1922. Serial No. 349,978. 9 Claims. (Cl. 49-55.)



2. A container for molten glass having a discharge opening extending through the floor thereof, a regulator to control the discharge of glass, said regulator comprising a body of refractory material extending downwardly in the glass above the opening, and means to oscillate said body about a horizontal axis and thereby swing the lower end thereof to and from a position directly over and adjacent to the outlet.

1,512,374. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 6, 1922. Serial No. 349,979. 18 Claims. (Cl. 49-55.)

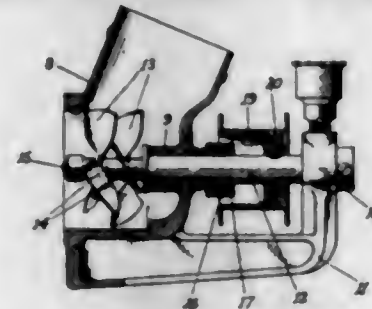


14. The combination of a container for molten glass having an outlet orifice in the bottom thereof, the walls of the orifice consisting of material to which the glass will not adhere, and means to control the discharge of glass through the outlet comprising a body projecting into the glass, and consisting of material to which the glass will not adhere, said body having a tip formed of refractory material to which the molten glass adheres.

1,512,375. WATER CIRCULATOR FOR INTERNAL-COMBUSTION ENGINES. GEORGE A. SPARKS and VERNON C. SPARKS, Lodi, Calif., assignors to S & G Manufacturing Company, Stockton, Calif. Filed Dec. 29, 1920. Serial No. 433,791. 4 Claims. (Cl. 103-92.)

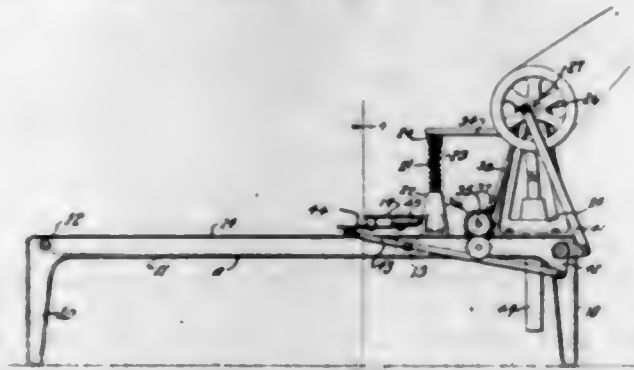
1. A device of the character described comprising a hollow fitting adapted to be interposed in the water circulation line of a gas engine, said fitting having a horizontal inlet and a substantially vertical outlet, and a pair of driven and spaced impellers of the blade type mounted in the fitting, one of said impellers being ad-

acent the intake and the other substantially in central alignment with the vertical outlet, the blades of one being staggered relative to the blades of the other, where-



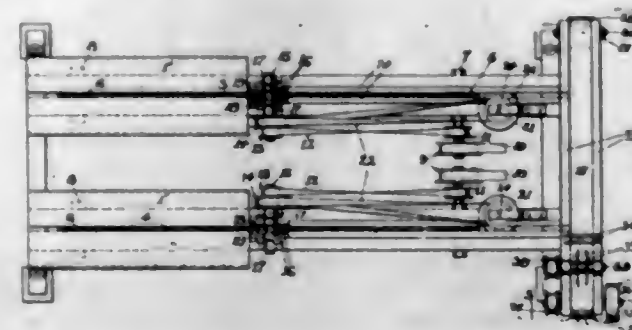
by the water is drawn through the intake by the adjacent impeller, and is then thrown against the blades of the other, to be diverted upwardly by the latter.

1,512,376. BOTTLE-CAP-MAKING MACHINE. JOHN STASZAK, Cudahy, Wis. Filed July 22, 1922. Serial No. 376,743. 1 Claim. (Cl. 93-1.)



A machine of the character described, comprising a frame having a bed formed with spaced parallel side rails, rollers journaled in the side rails, an endless conveyor trained over the rollers, a printing bed beneath the upper stretch of the conveyor, a stand rising from the side rails over the printing bed and having an inking platen, a printing die working through the platen, a plunger for the printing die and guided in the stand, a feed roller for the conveyor, uprights on the side rails, a cranked shaft journaled in the uprights, a disk cutting punch operatively connected to one of the cranks of the shaft, a punch die in the frame, to coact with the punch, a disk receiver beneath the punch die, for the deposit of the severed disks therein, means connected with another of the cranks of the shaft to operate the feed roller, an inking roller movable over the inking platen to supply ink to the printing die, and means connected with the remaining crank of the shaft for operating the inking roller, and means operated by the connection between the shaft and punch for actuating the plunger of the printing die.

1,512,377. ASPARAGUS SLICING AND DICING MACHINE. LOUIS D. STOPPEL, Isleton, Calif. Filed May 21, 1924. Serial No. 714,825. 7 Claims. (Cl. 146-78.)



2. An asparagus slicing and dicing machine comprising a frame, a pair of vertical revolving knives and a pair of horizontal revolving knives secured to said frame,

a means comprising an endless chain for conveying asparagus butts to said knives, and a means for operating said knives and chain.

1,512,378. SPARK-PLUG CASE. CHARLES D. SYMMS, Sioux Falls, S. Dak. Filed July 11, 1921. Serial No. 476,643. 9 Claims. (Cl. 206-16.)



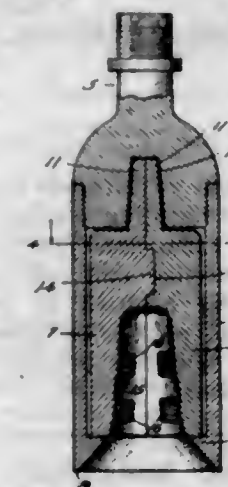
1. A spark plug case comprising a housing of substantially rigid material, and means within said housing for resiliently gripping a spark plug and for supporting said plug with one end thereof free from contact with said housing.

1,512,379. SHUTTLE. WILLIAM A. TERO, Anthony, R. I. Filed Jan. 18, 1924. Serial No. 686,988. 5 Claims. (Cl. 139-213.)



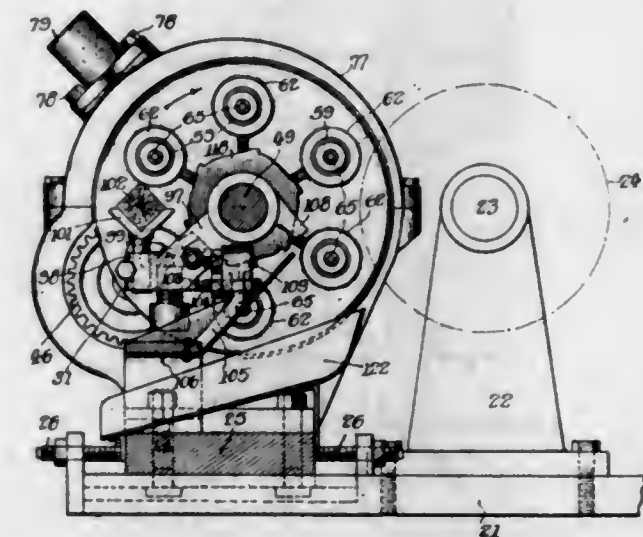
1. In a shuttle having a yarn package with a cone-shaped traverse wind, a tension member diagonally disposed to extend across the axis of the package having an elastic body portion to flexibly follow the contour of the traverse portion of the package to apply a yielding tension to the yarn as drawn therefrom.

1,512,380. SUCKER-ROD COUPLING. RICHARD D. THOMPSON, Clyclore, Pa. Filed May 14, 1923. Serial No. 638,782. 10 Claims. (Cl. 294-86.)



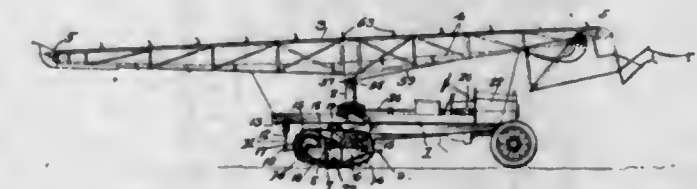
1. A screw cutting device of the character described comprising a pump rod member, a tubular socket mounted thereon, detachable cutting dies mounted in said socket and means integral with said dies for holding against movement within the socket.

1,512,381. MULTIPLE-SPINDLE TURNING APPLIANCE. DAVID TURCOTT, Beloit, Wis., assignor to P. B. Yates Machine Company, Beloit, Wis., a Corporation of Wisconsin. Filed Aug. 16, 1923. Serial No. 657,698. 2 Claims. (Cl. 142-5.)



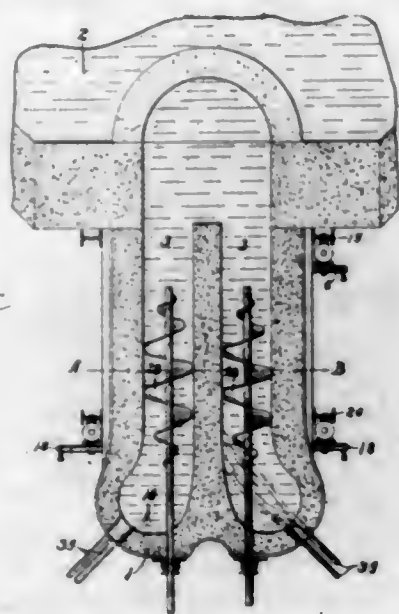
2. In a multiple-spindle turning-appliance, the combination of a plurality of pairs of complementary aligned head and tail spindles, means to revolve at least one spindle of each pair about its own axis, a Geneva movement to turn the pairs of spindles step by step about a common axis to carry their pieces of work at a gradually increasing speed successively into the field of action of cutting knives, a lock supplemental to the Geneva movement to hold said spindles against vibration with their work fully home in the field of action of the cutting knives, means to cause the pairs of spindles in succession to approach one another relatively to engage the ends of the work, a work-support, and means to rock said support about said common axis with its work in register successively with the pairs of spindles during the travel of the latter toward the knives and during the relative approach of the pairs of spindles until the work is engaged and supported by the spindles and to return the support to initial position between such movements thereof to receive the next piece of work preliminary to its succeeding movement.

1,512,382. PORTABLE LOADING AND ELEVATING MACHINE. EDWARD J. WALSH, Puunene, Territory of Hawaii. Filed Sept. 25, 1922. Serial No. 590,479. 11 Claims. (Cl. 198-47.)



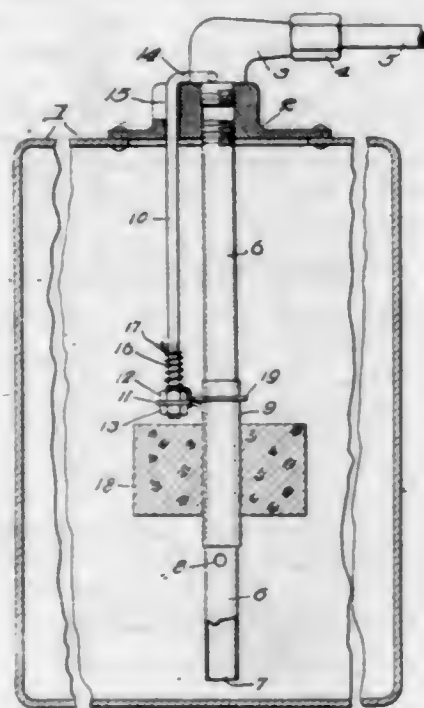
1. In a loading machine, the combination with a motor vehicle, of an elevating conveyor and a dumping hopper carried thereby, means for permitting the rotation and oscillation of said conveying and dumping mechanism, means for permitting the individual bodily movement of said hopper toward and away from the conveyor, power mechanism for operating said conveyor, said mechanism deriving its power from the power plant of the vehicle, and means for connecting and disconnecting, at will, said mechanism and power plant.

1,512,383. AUTOMATIC GLASS-FEEDING MACHINE. THOMAS WILLIAM WARREN, Montreal, Quebec, Canada. Filed Oct. 23, 1920. Serial No. 419,042. 9 Claims. (Cl. 49-55.)



7. In a glass feeding device the combination of an extension adapted to align with an aperture in the wall of a glass tank, a body portion thereto, two enclosed channels with semi-circular bottoms, a screw conveyor in each channel two chambers with raised floors opening therefrom, with controlled outlets from each chamber.

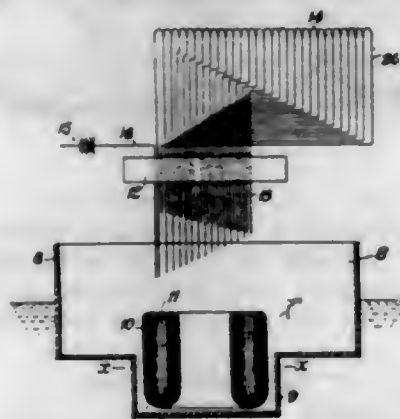
1,512,384. LIQUID-RESERVE-SUPPLY DEVICE. FREDERICK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 21, 1922. Serial No. 569,879. 5 Claims. (Cl. 158-46.5.)



1. In combination with a liquid supply tank a feed pipe extending downwardly therein, having an upper and a lower opening, the former being a lateral port, a valve sleeve of uniform diameter freely slidable on the pipe for closing or opening said port, a rod attached to said sleeve and extending outside the tank for manual adjustment of the valve, a float attached to the sleeve adapted to raise it for opening the port when sufficient liquid is placed in the tank, and automatic means releasable at will, associated with the rod for retaining said sleeve in raised position.

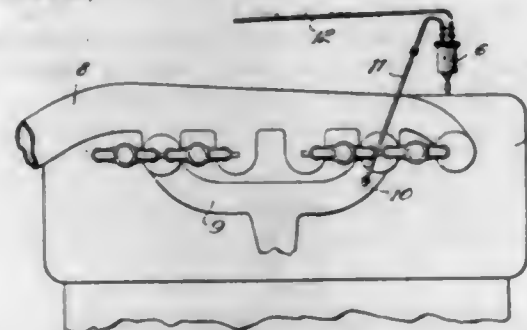
3. In the construction defined in claim 1, foregoing, the valve operating rod being extended through the fitting for up-and-down movement to control the valve, whereby the stopping of the transverse portion of the rod on the fitting and the movement of the transverse portion of the rod into the recess when registered therewith is effected by gravity.

1,512,385. FLUID-PRESSURE INDICATOR. HERBERT COURTENAY WIDLAK, Plymouth, England. Filed Mar. 8, 1921. Serial No. 450,794. 2 Claims. (Cl. 177-351.)



1. Fluid pressure measuring device for indicating variations of pressure at a distant point, comprising in combination, a U-tube device, a water column therein, a vessel floating on the water column, a conducting liquid contact carried by the said vessel, an electric circuit comprising a source of current, a bank of resistance elements and an instrument responsive to variations in the resistance of the circuit, and a series of downwardly directed bare contact taps of different lengths fixed over the liquid contact and connected to the bank of resistance elements, the length of said contact taps increasing gradually from one end of said bank to the other.

1,512,386. AUTOMATIC PRIMING DEVICE AND METHOD. IRVEN H. WILSEY, Chicago, Ill., assignor to Charles H. Meyer, trustee, Chicago, Ill. Filed July 8, 1921. Serial No. 483,165. 20 Claims. (Cl. 123-187.5.)

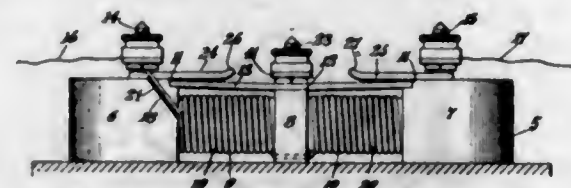


1. In combination with an internal combustion engine, means for supplying a priming charge of fuel to said engine comprising an expansible storage chamber communicating with said engine and also with a fuel supply, said chamber being adapted to contain a charge of fuel, and a member adapted to be operated by the pressure developed in the cylinders of said engine to eject the fuel from said chamber.

1,512,387. LIGHTNING ARRESTER. RUDOLF WOLF, New York, N. Y., and HENRY G. PIERSON, South Orange, N. J., assignors to Foote, Pierson & Co. (Inc.), New York, N. Y., a Corporation of New York. Filed May 10, 1920. Serial No. 380,054. 8 Claims. (Cl. 175-30.)

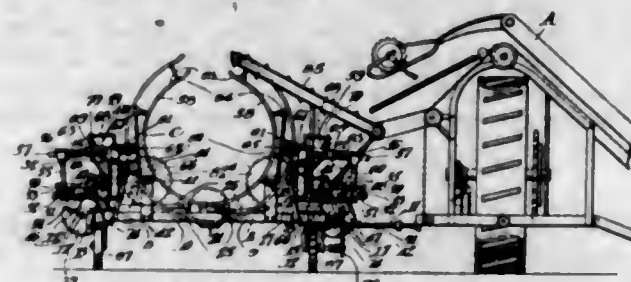
5. A device of the character described, comprising a coil adapted to be placed in a line to be protected, a ground plate arranged longitudinally of the coil, there

being a gap of varying width between the plate and coil, and a conductor plate adapted to be connected to the line, there being a gap of varying width between the



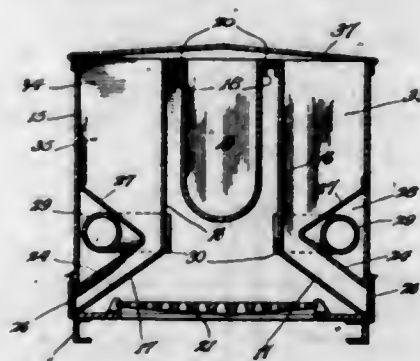
plates, said ground plate being disposed between the conductor plate and the coil, said conductor plate having one end thereof curved in an arcuate direction away from the ground plate.

1,512,388. STOOKER. THOMAS WRIGHT, Eyebrow, Saskatchewan, Canada. Filed May 2, 1919. Serial No. 294,233. Renewed Nov. 20, 1920. Serial No. 425,559. 33 Claims. (Cl. 50-423.)



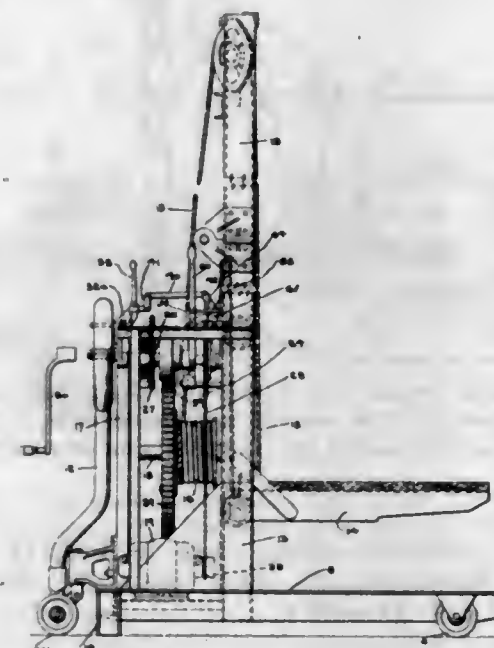
1. A stooker comprising a basket collector formed like the frustum of a cone and in two portions, formed of arcuate rods and longitudinal rods, the arcuate rods having offset ends designed to coact, means for rotating the basket collector in a vertical plane through one-quarter of a revolution, and means for opening the basket collector rearwardly to clear the stook when dumped.

1,512,389. ROAD-REPAIRING APPARATUS. JOSEPH S. WYLIE, Oklahoma City, Okla. Filed July 7, 1923. Serial No. 650,050. 3 Claims. (Cl. 126-343.5.)



3. In road-repairing apparatus, a truck, a casing mounted thereon, longitudinally extending vertical partitions within the casing terminating short of the bottom thereof, downwardly and outwardly inclined deflecting plates extending from the lower edges of the respective partitions to the adjacent sides of the casing, inclined plates disposed above and in spaced relation to the said deflecting plates and substantially parallel therewith, upwardly and outwardly inclined plates extending from the inner edges of the second-mentioned inclined plates to the sides of the casing, a kettle supported between the vertical partitions and in spaced relation thereto, a fire-box between and below the first-mentioned inclined plates at the rear of the casing, and smoke flues disposed within the spaces defined by the sides of the casing and the meeting inclined plates, said flues opening at their front ends laterally through the vertical partitions at the front ends of the same and extending at their rear ends through the rear wall of the casing.

1,512,390. PORTABLE ELEVATING APPARATUS. WILFRED S. YOUNG, Chicago, Ill., assignor to Economy Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1921. Serial No. 481,564. 32 Claims. (Cl. 187-11.)



5. An elevating apparatus comprising, in combination, a main or driven shaft, means actuated in the rotation of said shaft to elevate the load, means for rotating said shaft including a motor, a countershaft operatively connected with said motor and said main shaft, brake mechanism associated with said main shaft and operable automatically to release said shaft to permit its rotation in the direction to raise the load but preventing reverse rotation, and a clutch interposed in the connection between said motor and said main shaft.

1,512,391. PADDLE. GEORGE WILLIAM ABRAHAM, Detroit, Mich. Filed June 11, 1923. Serial No. 644,563. 1 Claim. (Cl. 115-18.)

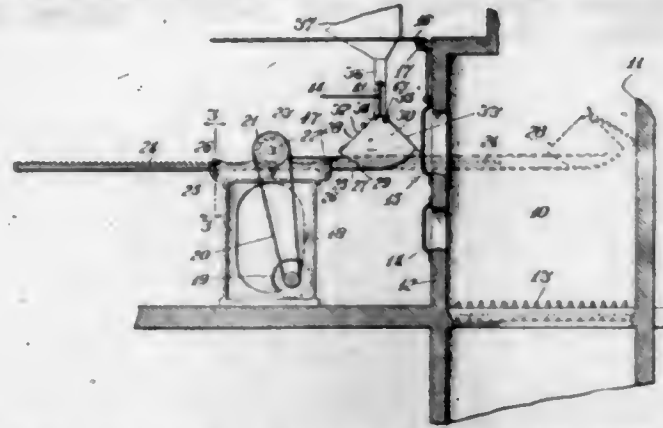


A paddle particularly adapted for the paddling of canoes having a blade, a handle and an intermediate grip member, said grip member being tubular and said blade provided with an opening remote from the end thereof and adjacent the tubular grip member, a motor housing located between and connected to opposed ends of said handle and said grip member, an electric motor completely enclosed in said motor housing, a shaft extending from said motor through said grip member to the opening in said blade, and a propeller mounted on the end of said shaft within said opening, the arrangement of parts being such that said motor is situated intermediate the hands of a person grasping said paddle as and for the purpose as specified.

1,512,392. STOKER. ALLEN G. BARRITE, Chicago, Ill. Filed Apr. 7, 1924. Serial No. 704,569. 8 Claims. (Cl. 110-111.)

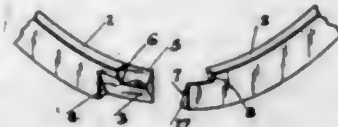
1. A stoker, comprising a horizontally traveling member, a fuel receiving container secured to said member, the opposite sides of the container being pivoted to swing, with one of said sides being adapted to swing away from the container, while the other side is adapted

to swing through the container, power imparting means whereby the traveling member and the container are made to move through a firebox toward the inner wall



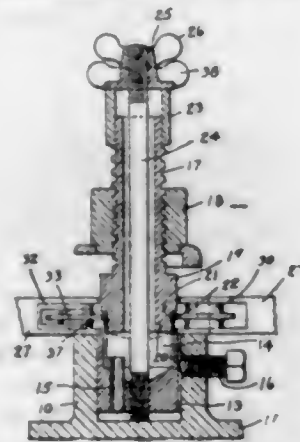
thereof, and means controlled by said power imparting means, whereby said second mentioned side of the container is moved toward the opposite side of the container.

1,512,393. PISTON RING. LEO R. BARNES, Duluth, Minn. Filed Mar. 26, 1924. Serial No. 702,180. 5 Claims. (Cl. 74-109.)



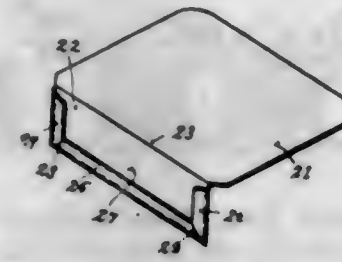
1. A piston ring having its tenon end so cut away as to present a relatively long oblique face extending from the lower inner edge of the ring to near the upper outer edge and a relatively short oblique face extending downward and forward from the upper inner edge of the ring and intersecting the relatively long plane about midway between the upper and lower edges to leave the extreme end portion of the ring triangular in cross section, said ring having its mortise end so cut away from the rear as to leave a recess triangular in cross section adapted to receive the triangular portion of the tenon end.

1,512,394. ROLLING TOOL AND HOLDING DEVICE. CHARLES R. BOWERS, Frankfort, Ind. Filed Mar. 6, 1923. Serial No. 623,079. 2 Claims. (Cl. 153-9.)



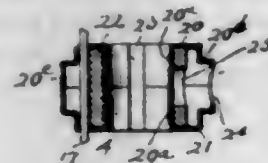
1. In a device for attaching a member to a hollow shaft, the combination of a holding means for securing said shaft and attachment together, including a rod adapted to extend through said shaft and attachment, clamping members adapted to screw on the ends of said rod for clamping said shaft and attachment together, a mounting into which said rod and the clamping member on one end thereof are adapted to extend, means for locking said rod in said mounting, and a tool supported on said mounting and adapted to surround said rod so as to engage about said shaft and attachment therefor for rolling an attachment bead thereabout when rotated with respect to said mounting.

1,512,395. TAG AND TAG-HOLDING APPARATUS. CHARLES E. BAIGEL, Cincinnati, Ohio. Filed Oct. 29, 1923. Serial No. 671,357. 2 Claims. (Cl. 40-6.)



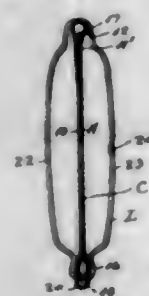
1. An article of manufacture comprising a tag-holder formed from a rectangular piece of sheet metal by notching its side edges and clipping its two forward corners and folding the forward edge and the side edges to said notches upon the face of the main section to form a tag receiving pocket, said main section being bent at right angles along a line from the apex on one of said notches to the apex of the opposite notch to form a substantially vertical section to rest against the front edge of a shelf and a substantially horizontal section to rest upon the upper face of the shelf and serve to retain the pocket section in place with reference to the shelf.

1,512,396. HUB FOR STEERING WHEELS. ADELBERT E. BRONSON, Cleveland, Ohio. Filed Nov. 10, 1922. Serial No. 600,008. 9 Claims. (Cl. 74-33.)



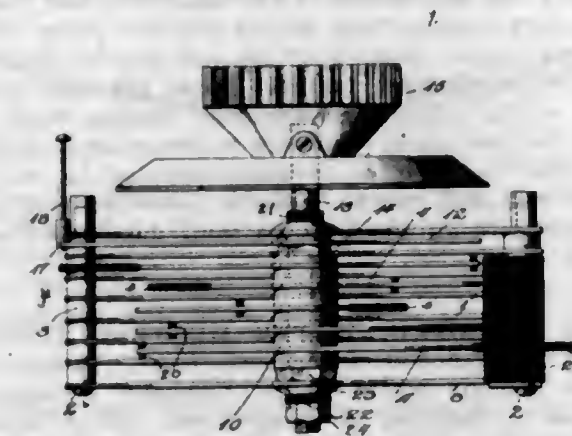
1. A hub comprising two cup-shaped members having their marginal flanges in contact thereby forming a hollow hub, means for securing said cup-shaped members together the said hub having a circumferential bearing shoulder formed upon its outer surface.

1,512,397. HAIR CURLER. WALTER D. BROWN, Oak Park, Ill. Filed Mar. 10, 1924. Serial No. 698,005. 2 Claims. (Cl. 132-41.)



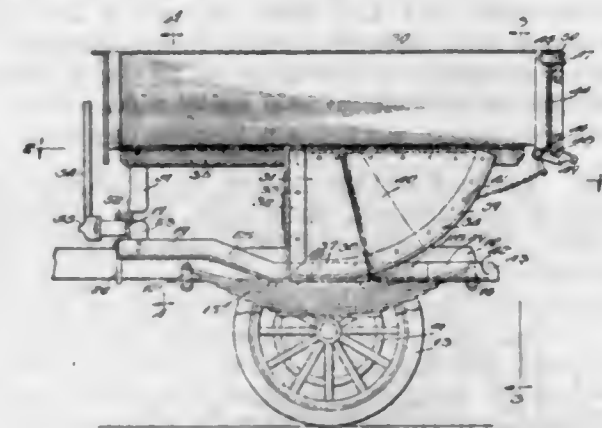
1. In a hair curling device of the class described, the combination of a clamping member comprising spring jaws secured together at one end and adapted to be brought together to receive hair to be curled, a locking hook at the end of one of said jaw members adapted to receive the other jaw member whereby said jaw members may be locked together to form a support on which the clamped hair may be wound up into a curl, a locking frame of spring metal hinged at one end to the joined end of said jaw members and being adapted to be swung into position to receive said clamping member and the hair wound up thereon to prevent unwinding of the hair, the hook at the end of one of said jaw members having a latch notch and said locking frame being adapted to spring into said notch to be thereby locked to the clamping member.

1,512,398. AIR CONDENSER. RALPH C. BROWNE, Salem, Mass. Filed Oct. 14, 1922. Serial No. 594,452. 2 Claims. (Cl. 250-41.)



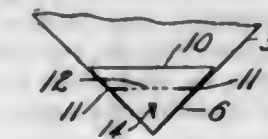
1. A variable condenser, comprising a plurality of movable vanes, a locking member associated with one vane, said locking member adapted to cooperate with a desired number of the other movable vanes to control their operation in unison.

1,512,399. RAIL CONSTRUCTION FOR REAR-DUMP VEHICLES. MAGNUS C. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Lee Trailer & Body Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1922. Serial No. 536,975. Renewed Sept. 5, 1924. 8 Claims. (Cl. 298-10.)



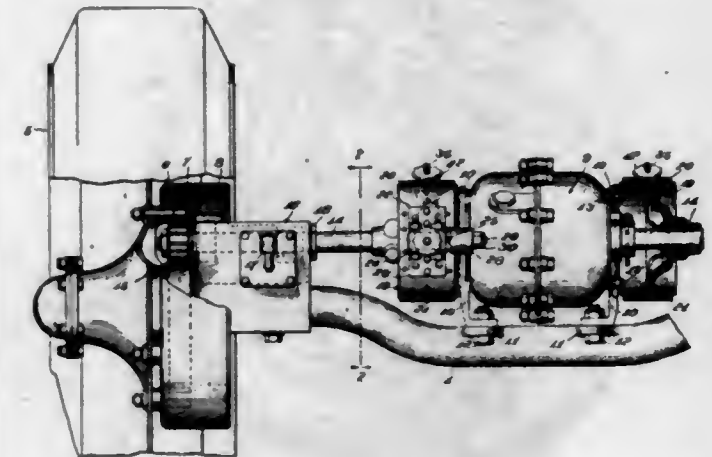
1. In a device of the character described, a vehicle framework, and a runway on said framework depressed below the top surface of said framework and having a lateral offset therein.

1,512,400. INTERLOCKING SHINGLE. FENTON R. BRYDLE, Jamaica, N. Y. Filed Dec. 6, 1922. Serial No. 605,137. 7 Claims. (Cl. 108-8.)



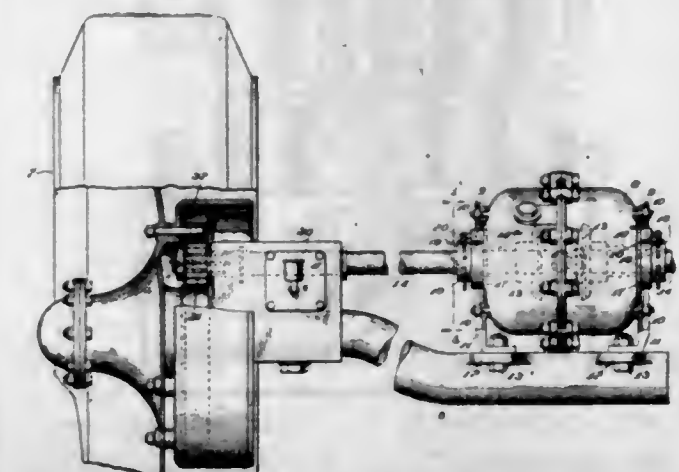
1. In a shingle of the flexible type, an underturned tab formed on a margin of the shingle for anchoring engagement with a previously laid shingle, and a reinforcing member carried by the tab, said reinforcing member being formed to engage portions of both the upper and lower surfaces of the previously-laid shingle.

1,512,401. AXLE FOR MOTOR VEHICLES. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed July 12, 1919. Serial No. 310,424. 5 Claims. (Cl. 74-99.)



1. The combination with a dead axle member, of a differential housing, differential gearing therein, brackets secured to said dead axle member separately from the differential housing and separately connected with the opposite end portions of said housing, jack shafts extending into said housing and connected with said differential gearing, brake drums non-rotatably mounted on said jack shafts adjacent to said brackets, and brakes cooperating with said brake drums and supported by said brackets independently of the differential housing.

1,512,402. AXLE FOR MOTOR VEHICLES. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed July 12, 1919. Serial No. 310,427. 11 Claims. (Cl. 74-99.)

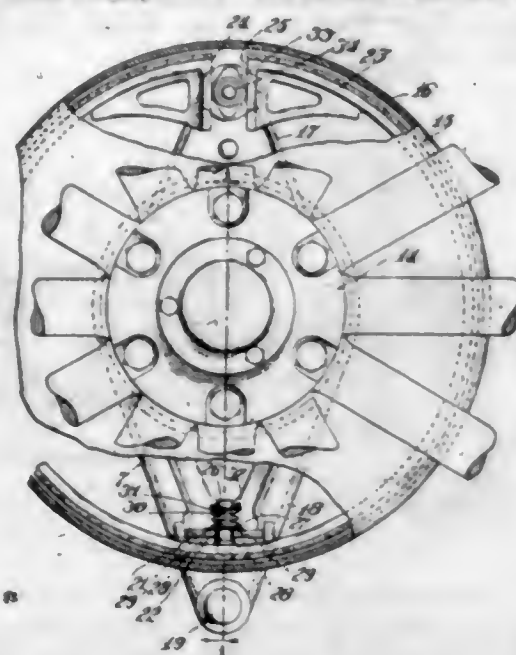


1. A motor vehicle axle comprising a dead axle member, jack-shafts associated therewith and having driving pinions at their outer end portions, a differential housing mounted on said dead axle member, differential gearing in said housing comprising gears mounted on the inner end portions of said jack-shafts, bearings in said housing for said jack-shafts, sleeves movable endwise in said bearings independently thereof to adjust the gears mounted on said jack shafts, and means for adjusting said sleeves.

1,512,403. AUTOMOBILE BRAKE. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Mar. 9, 1922. Serial No. 542,321. 11 Claims. (Cl. 188-78.)

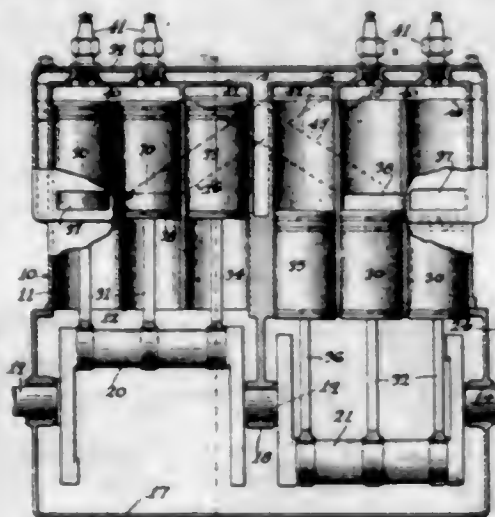
1. The combination with an expansible circular brake shoe and means for expanding the same, of a brake drum encircling said shoe, a member disposed within said drum for supporting the intermediate portion of said shoe, devices cooperating with said member for

normally holding such intermediate portion out of engagement with the drum, but permitting radial movement thereof into engagement therewith, said devices being



separable from said member by movement in an axial direction, and means for normally holding said devices against axial movement relatively to said member.

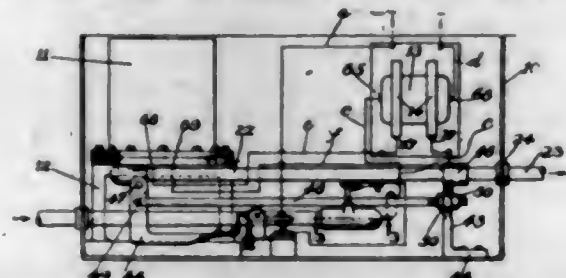
1,512,404. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Apr. 4, 1924. Serial No. 704,279. 8 Claims. (Cl. 123-53.)



1. The combination, in a two stroke cycle internal combustion engine, of six cylinders arranged in a row, a piston within each of the six cylinders, a crank shaft having two crank throws, three of the six pistons within the six cylinders being connected separately to each of the two crank throws of the said crank shaft, four of the six cylinders functioning as combustion chambers, the remaining two of the six cylinders functioning as gaseous fuel charge pumping precompression chambers, the four cylinders adapted to combustion formed as two combustion units, the two pairs of combustion cylinders being joined at the head ends by a compression clearance common to the members of each pair of combustion cylinders, the two pistons within one pair of combustion cylinders joined by the said common compression clearance, being connected to one of the two crank throws of the said crank shaft, the piston of the pump cylinder adjacent the said pair of combustion cylinders being connected to the same crank throw to which the adjacent combustion cylinder pistons are also connected, ports formed in the walls of each pair of combustion cylinders, valvular means for controlling the fuel charge admission to the two pumping cylinders, the two cylin-

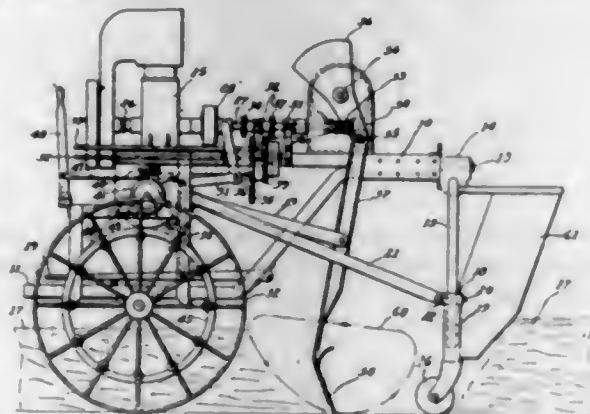
ders on each end of the row of six cylinders being adapted to combustion and the two center cylinders of the row of six cylinders being adapted to the pumping function of the fuel charge, a precompressed fuel charge transfer duct leading from one of the two pump chambers to the second cylinder of the end pair of cylinders adapted to combustion furthest from the said pump chamber, a fuel charge transfer duct leading from the other of the two pump chambers to the second cylinder of the other end pair of cylinders adapted to combustion, and said fuel charge transfer ducts crossing each other, each with an offset of the same duct capacity as the other.

1,512,405. ELECTRIC WATER-HEATING SYSTEM. ANDREW H. CARLSON, Bridgeport, Conn., assignor to Instant Electric Water Heater Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 7, 1922. Serial No. 527,533. 2 Claims. (Cl. 219-39.)



2. In a system of the character described, a source of electric current, a water heating element having passages with resistance members, and a thermostatically operated circuit controller for determining the temperature at which water shall flow from the heating element, said controller including a tie rod adjustable as to length, a lever pivoted upon said tie rod, and an electric switch associated with said lever, an end of said lever being pivoted upon an outlet pipe of said system, and said switch adapted to be actuated by reason of the expansions and contractions of said outlet pipe.

1,512,406. SAND CUTTER. JOHN E. CHAMBERS and EMMETT L. VAN DOLSEN, Shelbyville, Ind. Filed Nov. 26, 1920. Serial No. 426,390. 13 Claims. (Cl. 250-144.)



1. A sand-cutting machine, comprising a main frame having two supporting rear wheels, a front frame having two caster wheels and pivotally connected to the front end of said main frame to permit relative movement on both longitudinal and transverse axes, one or more links loosely connecting the two frames, and shoveling mechanism carried by said main frame and movable relatively thereto in its shoveling action.

1,512,407. BELT BUCKLE. SAMUEL CLARK, Newark, N. J., assignor, by mesne assignments, to Gorham Manufacturing Company, a Corporation of Rhode Island. Filed Mar. 3, 1924. Serial No. 696,472. 1 Claim. (Cl. 24-180.)

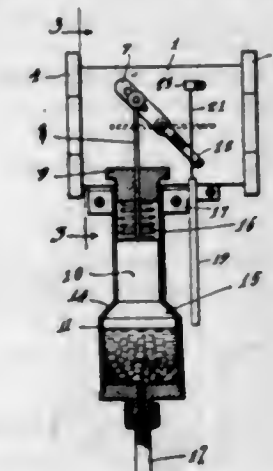
The herein described buckle embodying a body portion and a loop member, the latter being pivotally mounted

beneath and in close proximity to one end of the body portion, said loop member having adjacent its pivot a transverse enlargement carrying a stud at right angles thereto at a point farthest from the pivot of the loop



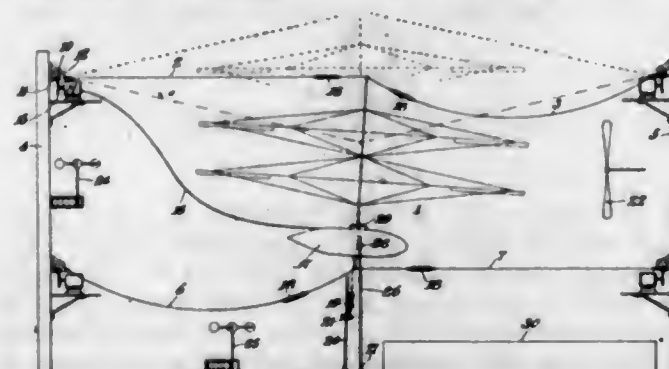
member to engage in a hole in the belt, whereby the stud engages in the hole in the belt and the said enlargement serves to compress the belt and to keep the latter flat, and acting in conjunction with the stud to hold the belt more firmly in position.

1,512,408. ENGINE-CONTROL DEVICE. MASON C. COPEN, Los Angeles, Calif. Filed Jan. 30, 1922. Serial No. 532,750. 7 Claims. (Cl. 137-153.)



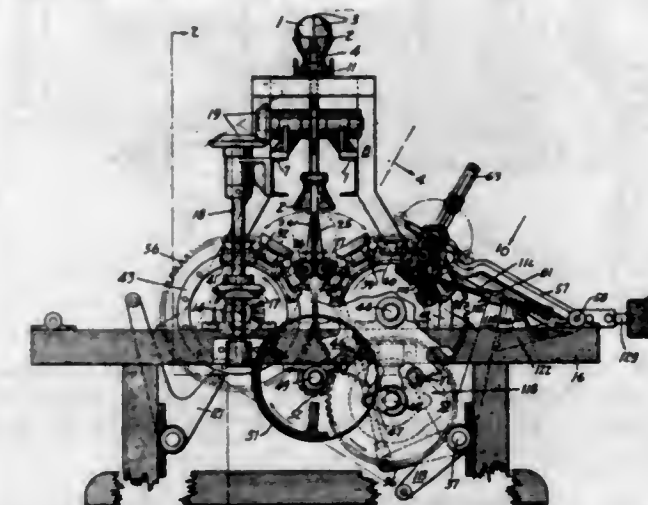
4. In combination with an internal combustion engine having an intake manifold and a carburetor, a forced feed lubricating system, a throttle valve having a valve disc rotatably mounted therein for controlling the flow of the explosive mixture from the carburetor to the manifold, a lever rigidly connected with the valve disc for rotating the same, a cylinder communicating with the lubricating system, a piston within the cylinder connected with the said lever and operating to actuate the lever and close the throttle valve when the pressure in the lubricating system falls, and means operable from the driver's position for operating the said lever at will to open the throttle valve independently of the pressure in the lubricating system and constructed to permit free movement of the lever by the piston.

1,512,409. METHOD AND APPARATUS FOR TESTING FLYING MACHINES. FRANCIS B. CROCKER, New York, N. Y. Filed Apr. 8, 1921. Serial No. 459,529. 17 Claims. (Cl. 73-51.)



1. The method of testing a helicopter, which consists in supporting the helicopter to permit only limited lateral and up and down movement thereof, operating the same while so supported, and measuring the air current from the helicopter during the operation thereof.

1,512,410. FRUIT-PITTING MACHINE. JOHN J. ELDRIDGE, Oakland, Calif., assignor of one-half to Albino S. Dondero, Oakland, Calif. Filed Jan. 20, 1923. Serial No. 613,831. 21 Claims. (Cl. 146-28.)



1. In a fruit pitting machine, a substantially hemispherical blade, means for rotating the blade about an axis perpendicular to the base of the hemisphere at its center, and means for oscillating said blade about an axis intersecting said center and perpendicular to said first named axis.

1,512,411. PIPE PULLER. CALVIN D. FARRIER, Plainville, Kans. Filed May 1, 1924. Serial No. 710,393. 3 Claims. (Cl. 294-20.)

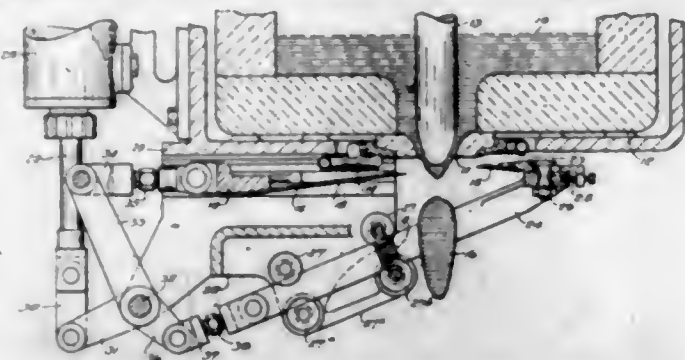


1. In a pipe and rod puller for wells, the combination of a collar, means for lifting said collar, a cap pivotally mounted upon the upper end of said collar, said cap provided with a notched portion, said cap being adapted to be moved upwardly for facilitating the passing of a rod or pipe through said collar, at which time said cap will fall into engagement with said pipe or rod for causing the rod to rest within said notch, and means for increasing or diminishing the size of the opening caused by said notch, whereby various sized pipes or rods may be accommodated.

1,512,412. GLASS-CUTTING APPARATUS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 6, 1922. Serial No. 549,999. 14 Claims. (Cl. 49-55.)

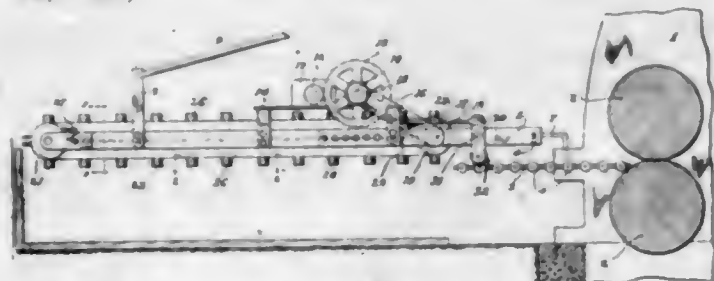
11. In glass feeding apparatus, the combination of a container for molten glass having an outlet opening in the bottom thereof, cutters arranged beneath and at opposite sides of said opening, one of said cutters mounted to reciprocate horizontally, and consisting of a flat blade having a V-shaped notch forming a cutting edge, said blade being forwardly and upwardly inclined, a carrier for the other blade mounted to reciprocate in an inclined direction by which it is moved downward as it

advances, and means to actuate said blades and cause the first mentioned blade to advance more rapidly than the second blade, the downward inclination of the direc-



tion of movement of the second blade being greater than the inclination of the first mentioned blade to compensate for the relatively rapid movement of the first mentioned blade.

1,512,413. ELECTRIC CATCHER AND CONVEYER. WILLIAM A. FITZSIMMONS, Canton, Ohio. Filed Dec. 4, 1923. Serial No. 678,410. 3 Claims. (Cl. 198-41.)

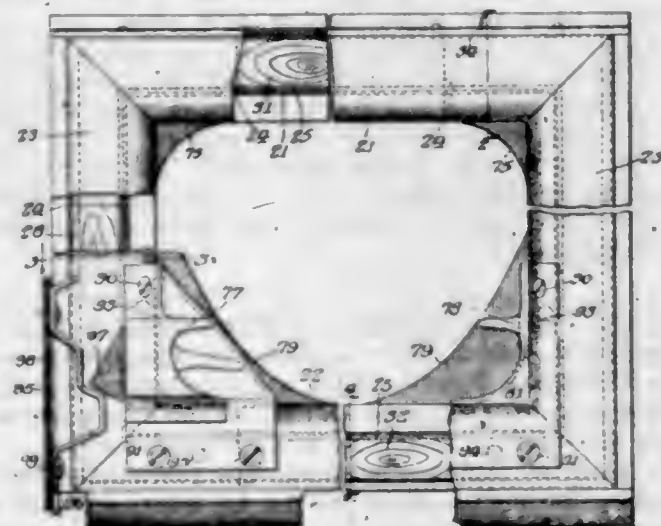


2. A catcher and conveyer for receiving moving sheets, including an endless belt, magnets upon the belt adapted to attract the sheets, and means operated by the movement of the sheet for automatically energizing the magnets at a predetermined point and deenergizing the magnets at a predetermined point.

1,512,414. WOOD-PRESERVING EMULSION. JOHN FOLEY, Wayne, Pa. Filed Nov. 22, 1921. Serial No. 516,987. 4 Claims. (Cl. 134-78.6.)

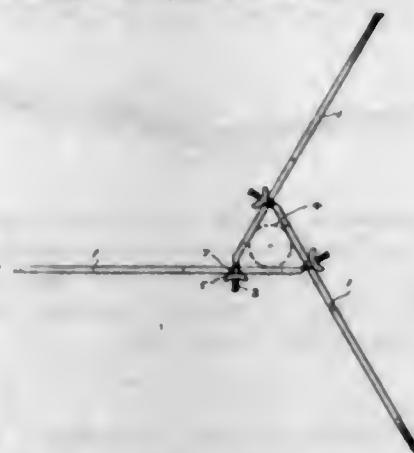
1. A wood preserving emulsion formed by dissolving chloride of zinc by means of a solvent which forms with oil a more stable emulsion than water and mixing the resultant chloride of zinc solution with petroleum.

1,512,415. METAL SASH. GEORGE H. FORSYTH, Chicago, Ill. Filed Aug. 1, 1917. Serial No. 183,839. 31 Claims. (Cl. 189-76.)



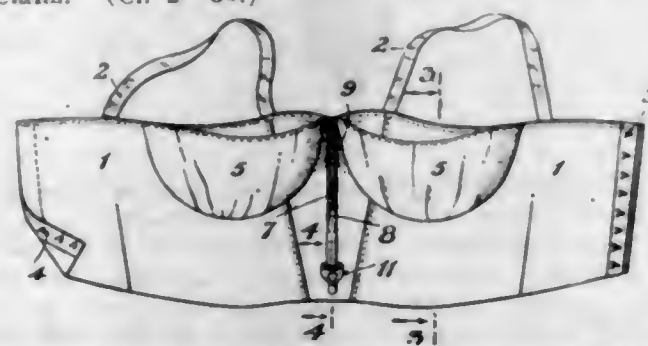
1. In metal sash construction, a tubular frame member, a wooden filler member disposed within said frame member and adapted for insertion and removal longitudinally thereof without disturbing the structure of the frame, and removable glass retaining beads anchored through the frame member in the filler member.

1,512,416. CLAMPING BASE. THOMAS E. GILMORE, Oakland, Calif. Filed June 5, 1923. Serial No. 643,538. 5 Claims. (Cl. 248-38.)



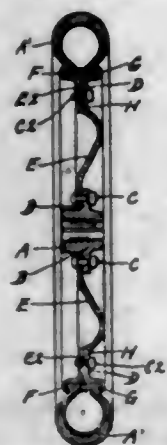
1. A clamping base comprising three duplicate flattened metal bars arranged on edge to form a triangular enclosure, the end of each bar being reduced and passing through an opening in the side of the next bar and provided with a nut threaded to the reduced portion for drawing the bars together to contract the enclosure, said reduced portion of each bar being bent out of line with its bar to pass at right angles through the side of the next bar.

1,512,417. BRASSIÈRE. IDA GLADSTONE, New York, N. Y. Filed Nov. 3, 1923. Serial No. 672,461. 1 Claim. (Cl. 2-30.)



An article of the class described comprising a brassière having a pair of spaced bust pockets on its inner face, an elastic dividing strip extending transversely of the brassière and intermediate of said bust pockets, said strip being fixedly secured to the inner face of the brassière, with the brassière gathered or shirred adjacent its upper end and at a point intermediate of said pockets and the free end of said strip having means for attachment to the apparel of the wearer to hold said strip under tension and cause the garment to snugly conform to the wearer.

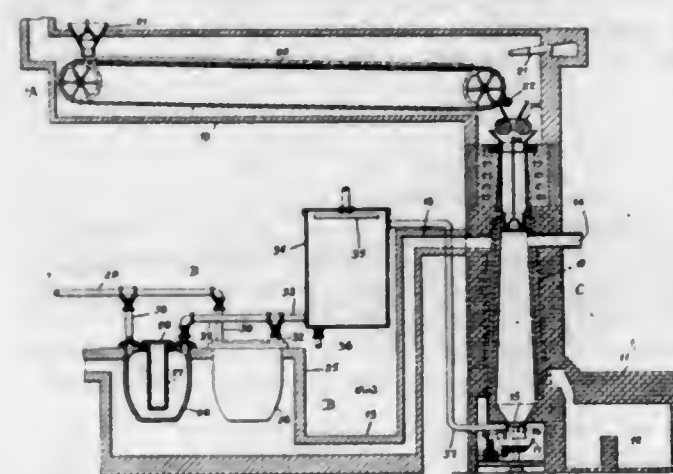
1,512,418. AUTOMOBILE DISK WHEEL. FRANK HENRY GODFREY, St. Paul, Minn. Filed Apr. 24, 1924. Serial No. 708,743. 2 Claims. (Cl. 301-63.)



1. A wheel of the class described, having a peripheral channel for holding the beads of a rubber tire; said wheel being composed of a main member and a secondary mem-

ber, the main member having a concavo-convex disk with a central hole for the hub of the wheel, and the outer portion of the disk formed with an angular shoulder, and a flat flange extending beyond the shoulder and having its peripheral portion formed with a lateral groove making half of the channel; the secondary member having a similar groove making the other half of the channel and a flat circular flange projecting radially from its inner edge and fitting snugly about the angular shoulder, and bolts passed through the said flanges and securing them firmly together.

1,512,419. MANUFACTURE OF ALUMINUM CHLORIDE. GEORGE W. GRAY, New York, N. Y., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Nov. 23, 1921. Serial No. 517,162. 5 Claims. (Cl. 23-13.)

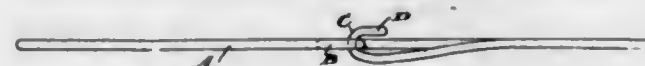


1. In apparatus for the manufacture of aluminum chloride the combination of an aluminum chloride retort, a furnace for supplying high temperature heat thereto, a chlorin producer arranged to discharge into the retort, and means for supplying lower temperature heat from said furnace to the chlorin producer.

1,512,420. MANUFACTURE OF TREATING MATERIALS CONTAINING ALUMINUM CHLORIDE. FRANK W. HALL, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Dec. 27, 1921. Serial No. 524,886. 24 Claims. (Cl. 23-13.)

22. The process of preparing a reactive agent adapted for treating hydrocarbon oils that comprises contacting with hydrocarbon oil, vapors and solid products formed by chloridizing aluminous material.

1,512,421. BAG HOLDER. JOHN FRANKLIN HARRISON, Toronto, Ontario, Canada. Filed Oct. 16, 1923. Serial No. 668,961. 1 Claim. (Cl. 83-26.)

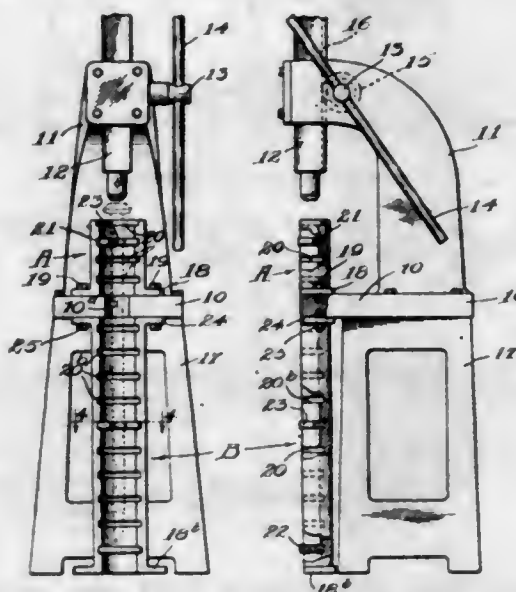


In a device of the type described, the combination with a bag holder comprising a body portion formed from a single piece of wire bent into a form to correspond with the open mouth of a bag and having an eye formed by one end of said wire which is entirely positioned within the same plane as that occupied by the said body portion, the other end of said wire being formed into a hook for being coupled with or uncoupled from said eye with the said hook occupying an angular position in respect to said eye and having its end made longer than the diameter of the opening of said eye, of an element adapted to engage said eye for supporting said body portion

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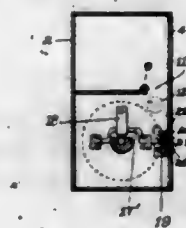
In such a manner that the latter will normally depend, due to the force of gravity, from said element and will be permitted to be swung into a substantially horizontally extending position.

1,512,422. ARBOR PRESS. OSCAR MILTON HATCHER and JAMES CHAPMAN CAMPBELL, Mankato, Minn. Filed Nov. 26, 1923. Serial No. 677,010. 3 Claims. (Cl. 29-85.)



1. The combination with a press including a bed and a vertically reciprocable pressure member, of an elongated support open at the front thereof, said support being adapted to be held in alignment with said pressure member and designed to freely receive upright objects to be worked upon by said member, a plurality of vertically spaced seats within said support, a plurality of recessed object braces and an object rest, said braces and rest being interchangeably and selectively applicable to said seats.

1,512,423. DISPENSING CABINET. ROY D. HAWLEY, Oakland, Calif. Filed Nov. 27, 1923. Serial No. 677,217. 2 Claims. (Cl. 45-32.)

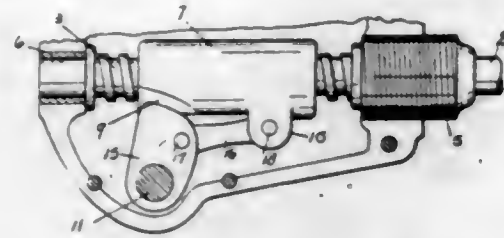


2. A towel dispensing cabinet provided interiorly with a feed roll for limiting the outward discharge of toweling therefrom, a fixed stop, a slide lock rod secured to one end of said roll and its ends adapted to successively engage with the stop on each half revolution of the feed roll for holding the feed roll releasably locked against further movement, a spring held arm mounted for movement to slide the rod from engagement with said stop and to position its opposite end within the path of the stop on the next successive half revolution of the roller.

1,512,424. VEHICLE STEERING GEAR. DAVID W. JONES, Chicago, Ill., assignor to Charles A. Bailey and George D. Bailey, both of Kalamazoo, Mich. Filed Jan. 2, 1923. Serial No. 610,280. 3 Claims. (Cl. 74-79.)

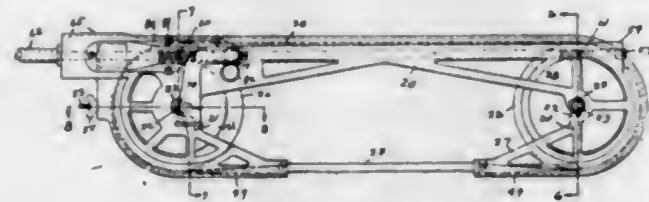
1. In a vehicle steering gear, the combination of a casing, a steering screw journaled therein, a rocker shaft journaled in said casing transversely of said screw, an elongated nut on said screw provided with a depending part having parallel sides at one end and a pair of

spaced ears at its other end, arms on said rocker member embracing the said parallel sides of said depending part of said nut whereby it is supported against rotation.



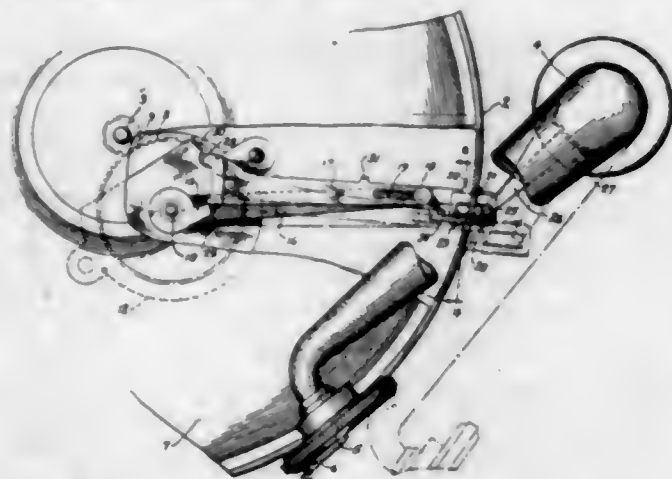
tion, and a link pivoted between said arms and said ears whereby the rocker shaft is actuated through said nut.

1,512,425. MEAT SAW. JONAS KLOPFENSTEIN, Portland, Oreg. Filed May 1, 1922. Serial No. 557,739. 1 Claim. (Cl. 143-19.)



A hand-guided power-driven band saw having an elongated hollow frame member, said frame having its lower middle portion cut away and having horizontal slots cut forwardly into its forward portion and thence vertically; a shaft having flattened places adapted to pass through said vertical slots, said frame having two narrow horizontal slots formed in its rearward end in different planes, said last mentioned slots having a wide connecting slot between same a rear shaft having flattened places formed thereon which will permit same to pass through said narrow slots; a tension supplying mechanism consisting of a U-shaped frame having a hook at each end engaging the rear shaft and having a bolt projecting from said U-shaped frame through said saw frame; a nut on said projecting bolt; a pulley on each of said shafts; and a saw band passing around said pulleys having that portion of its length which lies in the cut-away part of the saw frame twisted into the plane of said saw frame.

1,512,426. AUTOMATIC START AND STOP MECHANISM FOR PHONOGRAPHS. SAMUEL KOHN, New York, N. Y. Filed June 16, 1922. Serial No. 568,845. 50 Claims. (Cl. 192-124.)

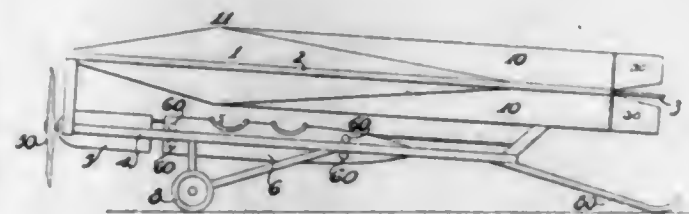


1. An automatic stop mechanism for phonographs comprising a rotating arm propelled by the phonograph motor, a lever, an abutment, and means for automatically interposing one end of the lever between the rotating arm and the abutment.

1,512,427. FUEL-PRODUCING PROCESS AND PRODUCT. WALTER EDWIN TRENT, Washington, D. C. Filed Feb. 9, 1924. Serial No. 691,831. 11 Claims. (Cl. 44-1.)

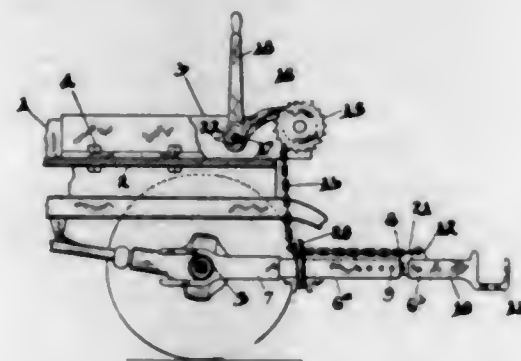
1. A process of producing an artificial fuel consisting of mixing with finely pulverized coal, while wet, a hydrocarbon agent containing a low boiling point fraction and a high boiling point fraction to combine with the coal particles and form a purified plastic mass and in subjecting the said mass to a low temperature heat treatment to vaporize the low boiling point fraction of the treating agent without vaporizing the high boiling point fraction and the volatiles of the coal, which high boiling fraction, upon cooling, combines with the coal particles and forms a hard fuel mass.

1,512,428. AIRPLANE. WILLIAM DRAKELY LINTHICUM, Seattle, Wash., assignor of one-eighth to Julia E. Glasscock and one-eighth to Emma J. Lyon, both of Seattle, Wash. Filed Sept. 26, 1921. Serial No. 503,190. 10 Claims. (Cl. 244-29.)



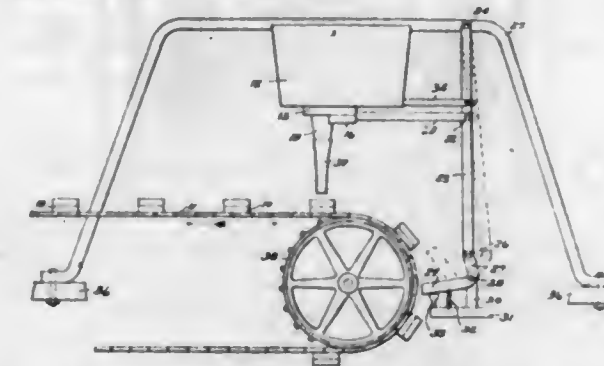
1. An airplane having sustaining planes, a fuselage fixed relative to said planes and adapted for carrying a propelling power plant, a nacelle mounted in said fuselage for relative fore-and-aft movement, and means controllable from the nacelle for moving said nacelle forwardly and rearwardly at will.

1,512,429. SERVICE HOIST. JOHN D. LOUDON, Shelbourne, Ontario, Canada. Filed May 31, 1922. Serial No. 564,912. 2 Claims. (Cl. 214-86.)



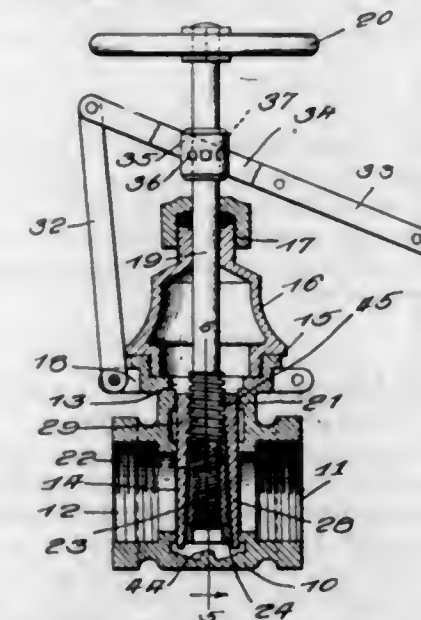
2. In a service hoist the combination of a service vehicle having a rear axle; a rigid member having one end forked, each end of the fork being provided with a pair of jaws adapted to be passed over the said rear axle, the opposite end of the member being also forked, each part of this fork being provided with a hook adapted to engage part of one end of a wrecked vehicle to raise the latter; and means carried by the service vehicle for lifting the rigid member whereby the end of the wrecked vehicle is lifted off the ground, the afore-said jaws being adapted to permit the rigid member to swing vertically and horizontally.

1,512,430. MACHINERY FOR ASSEMBLING NAIL KNOBS. JOHN G. LOY, Carey, Ohio, assignor to The Federal Porcelain Company, Carey, Ohio, a Corporation of Ohio. Filed Nov. 19, 1923. Serial No. 675,532. 4 Claims. (Cl. 10-162.)



2. In a nail knob machine, an endless conveyor, a plurality of successive cups carried by said conveyor, said cups being adapted to position a washer dropped therein, a hopper mounted over said cups containing a disorganized mass of washers, said hopper having an aperture in the bottom thereof, a block having a reservoir located beneath said hopper and coinciding with said aperture, a guide-block beneath said reservoir, a reciprocating ejector adapted to move beneath said reservoir for ejecting washers one by one, a chute beneath said reservoir and beneath said supporting block beneath the ejector, and means adapted to be actuated by the conveyor for reciprocating said ejector which moves each washer individually from the reservoir over the block into the chute.

1,512,431. GATE VALVE. PAUL F. TROWE, Hammond, Ind. Filed Apr. 25, 1923. Serial No. 634,507. 8 Claims. (Cl. 251-70.)

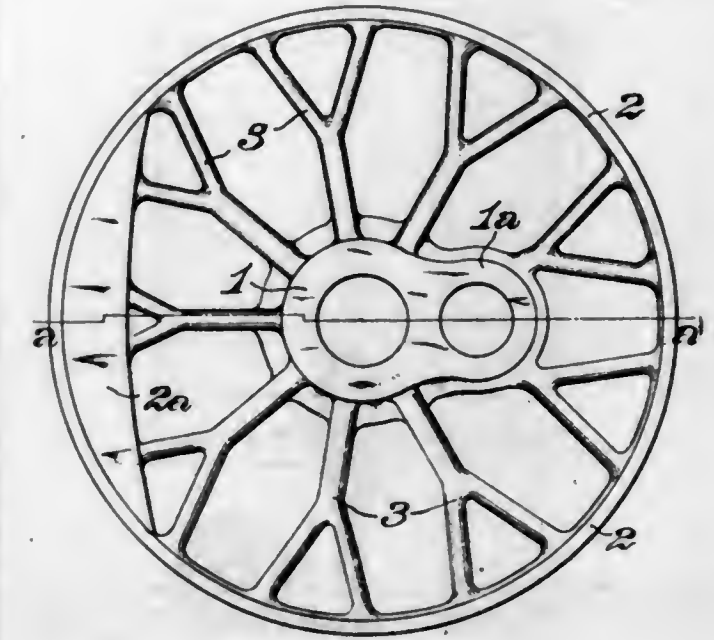


1. A gate valve comprising a body having oppositely disposed seats, a stem extending into the body having reversed screw-threads, valve disks on opposite sides of the stem coacting with the respective seats and having engagement with one of the threads, and a wedge disposed between the disks and having engagement with the other of said threads whereby to cause relatively opposite movements of the wedge and valve disks upon a rotation of the stem.

1,512,432. PROCESS OF MAKING ARSENIC COMPOUNDS. NORMAN UNDERWOOD, Oakton, Va. Filed Sept. 7, 1922. Serial No. 586,765. 6 Claims. (Cl. 28-13.)

1. The process of making an arsenic compound which consists in reacting on a lead salt with copper sulphate in an acid medium, converting the resultant lead sulphate into the hydroxide with an alkaline hydroxide and adding arsenic acid.

1,512,433. CAST-METAL WHEEL. DAVID VAN ALSTYNE, New York, N. Y. Filed June 14, 1923. Serial No. 645,287. 1 Claim. (Cl. 295-6.)



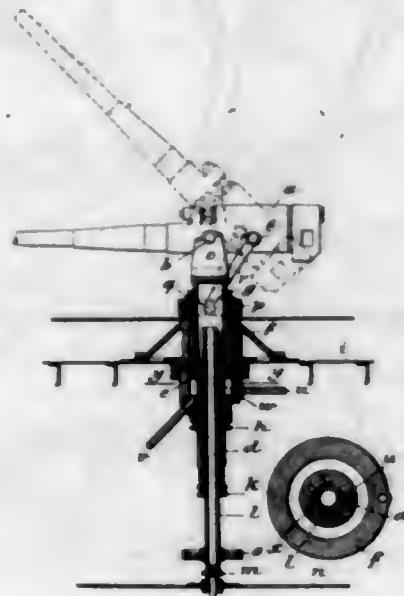
A locomotive driving wheel, comprising an axle hub; a rim; a counterbalance; a crank pin hub, and spokes, all cast integral, the spokes joining the hubs to the rim and those joining the axle hub to the counterbalance being bifurcated so as to have two points of junction with the rim and counterbalance and only one with the hubs.

1,512,434. WORD COUNTER FOR TYPEWRITING MACHINES. CURTIS HUSSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 24, 1923. Serial No. 620,877. 4 Claims. (Cl. 235-102.)



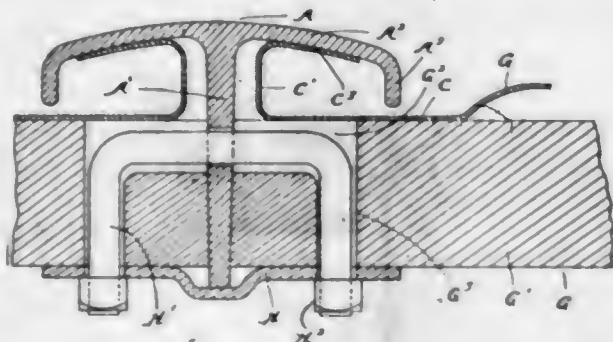
1. A word counting mechanism for typewriting machines, comprising a counting machine, an actuating lever mounted loosely on the shaft thereof, an operating lever fixed on the shaft thereof, and means for effecting operative engagement of the actuating lever and the operating lever.

1,512,435. PIVOT GUN, PARTICULARLY ADAPTED FOR SUBMARINES. CARL WANINGER, Dusseldorf, Germany, assignor to the Firm of Rheinische Metall-Waaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed June 28, 1921. Serial No. 481,060. 6 Claims. (Cl. 89-37.)



1. In a pivot gun particularly adapted for submarines, the combination with the body of a vessel, of a pivot member supported thereon and constructed to serve as a compressed air equalizer, a gun carried by the pivot member and means for raising and lowering the pivot member from within the vessel for adjusting the position of the gun.

1,512,436. CAR ROOF. ALFRED R. WILSON, Detroit, Mich., assignor to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 30, 1918. Serial No. 252,072. 5 Claims. (Cl. 108-5.4.)

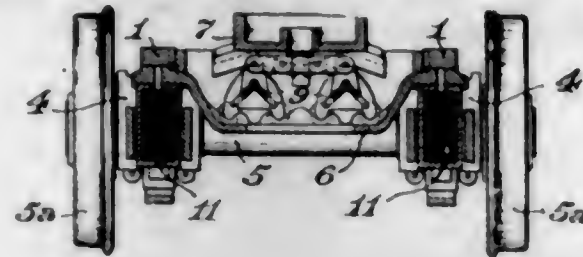


1. In a car roof, the combination with a T-carline with its flange at the upper edge of the web terminating in inwardly-extending portions of roofing sheets weather-proofed by said carline and having down-turned flanges at the eaves of the car roof, said carline flange also having downturned portions at the eaves, the inwardly-extending portions of the flange being cut away adjacent to the downturned flanges of the sheets to provide clearance therefor and having their lower end below the ends of the sheets to provide spacing means.

1,512,437. TRUCK FOR RAILROAD VEHICLES. PAUL C. WITHAOW, Denver, Colo. Filed Oct. 1, 1923. Serial No. 665,980. 6 Claims. (Cl. 105-189.)

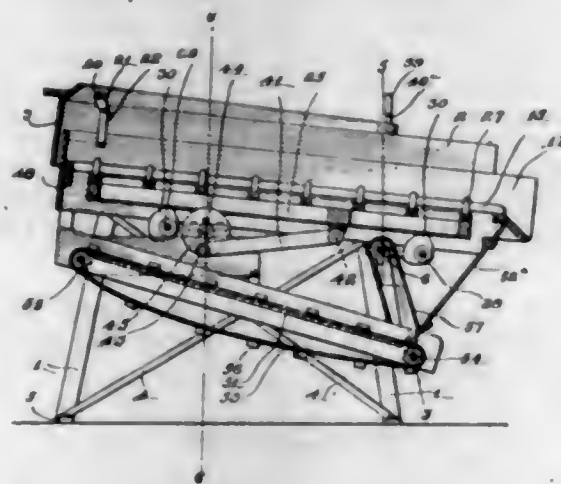
1. In a railroad truck, the combination of a frame; a bolster, adapted to traverse laterally relatively thereto;

rockers, journaled in bearings on the frame, extending transversely to said bolster, said rockers having oppo-



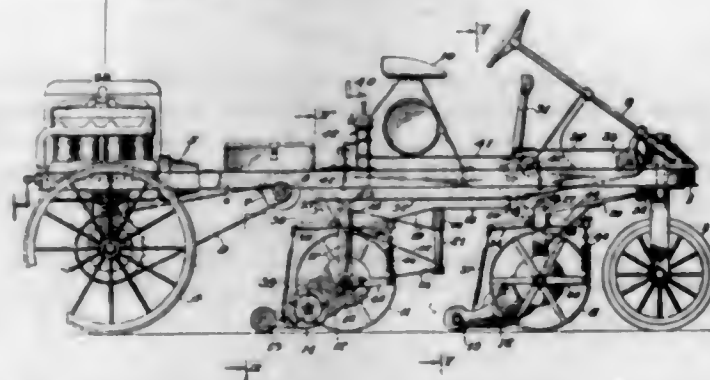
sitely curved cam surfaces, abutting against reversely inclined bearings on the bolster; and connections, directly coupling said rockers one to the other.

1,512,438. SORTING MACHINE. JESSE WORBOIS, North Chili, N. Y., assignor of one-half to Charles H. Robertson, Enumclaw, Wash. Filed Sept. 26, 1923. Serial No. 665,010. 3 Claims. (Cl. 130-32.)



1. A sorting machine comprising a slotted table, a shaft on which said slotted table is mounted to turn so as to vary the inclination of the table, and agitating and feeding means operating in the slots of the table supported by the table to be adjusted therewith and driven from said shaft.

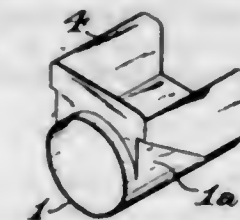
1,512,439. MOTOR-DRIVEN GANG LAWN MOWER. CHARLES C. WORTHINGTON, Dunnfield, N. J., assignor, by mesne assignments, to Worthington Mower Company, Shawnee-on-Deleware, Pa., a Corporation of Delaware. Filed May 19, 1917. Serial No. 169,629. 28 Claims. (Cl. 56-7.)



10. A motor-driven gang lawn mower comprising in combination, a gang of lawn mower units having cutter-driving ground-wheels arranged in overlapping positions in front and rear ranks, a motor vehicle provided with a motor-driven wheel in rear of said gang and with a forward structure extending over said gang and supported independently thereof, means extending rearwardly from said forward structure to all of said units for pull-

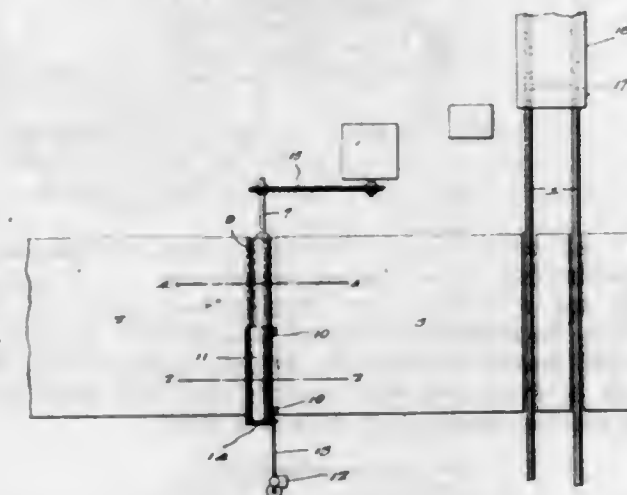
ing the latter forwardly as the vehicle advances and permitting said units to move angularly in vertical transverse planes with respect to each other and said motor-driven wheel, said means including a draft-link joint intervening between said structure and a unit in the rear rank permitting the latter unit to assume different horizontal and vertical angles with respect to the vehicle and said front rank.

1,512,440. LOCOMOTIVE TENDER. ROBERT V. ANDERSON, Schenectady, N. Y. Filed Mar. 10, 1924. Serial No. 698,130. 3 Claims. (Cl. 105-236.)



1. A cylindrical water cistern, for locomotive tenders, the upper forward part of which is recessed or truncated, and the side portions of the shell, in the recessed part, above the axial line, extend in substantially vertical planes.

1,512,441. SAFETY DEVICE FOR CROSSINGS. JAMES M. ARENDALE, Birmingham, Ala. Filed May 19, 1923. Serial No. 640,220. 5 Claims. (Cl. 246-130.)

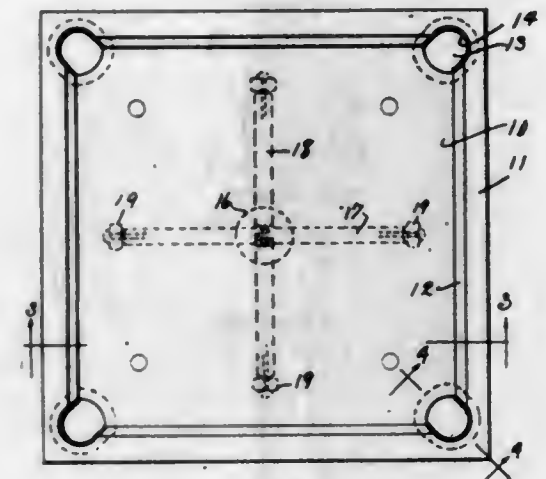


4. A traffic obstructing means for railway crossings, in which the roadway is raised at and adjacent to the crossing, comprising corrugated rollers journaled in bearings at the termination of the raised portions of the roadway, segmental covers therefor over which the traffic passes, and means actuated by a train approaching the crossing for raising the covers and for revolving the rollers in a direction away from the crossing.

1,512,442. GAME BOARD. ROY C. ARNOLD, Fresno, Calif. Filed July 31, 1922. Serial No. 578,633. 2 Claims. (Cl. 46-61.)

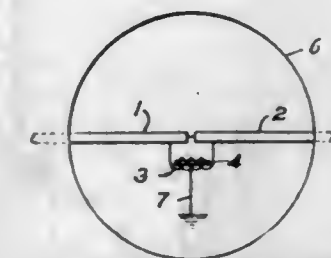
1. A game board comprising a substantially rectangular base; an upstanding rim surrounding said base; an inwardly opening recess in each of the corners of said base the recesses in the opposed corners opening towards each other; an opening in said base immediately below each of said recesses; a flexible closure for the under sides of each of said openings; a disc secured to the under side of said base centrally thereof having a central opening therein; in combination with a turn table upon which said base is mounted comprising a pair of arms rigidly connected together centrally of their length

to extend at right angles to each other; a pivot extending upwardly centrally of said arms adapted for engagement with the opening in said disc; a roller revolvably



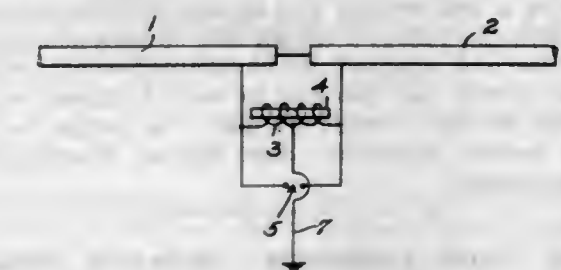
mounted on each end of each of said arms at right angles thereto adapted to bear against the under side of said base.

1,512,443. ELECTRICAL CABLE INSTALLATION. RALPH W. ATKINSON, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 18, 1923. Serial No. 639,825. 6 Claims. (Cl. 175-294.)



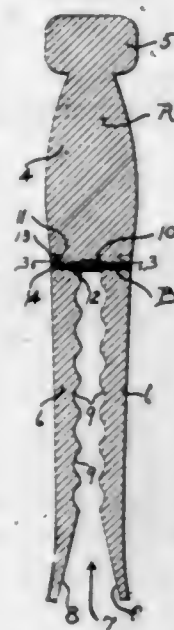
1. In an electrical cable installation a metal-sheathed cable whose sheath in discontinuous lengths is connected to a closed and grounded circuit through an automatically variable reactance element.

1,512,444. CABLE INSTALLATION. RALPH W. ATKINSON, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 18, 1923. Serial No. 639,826. 3 Claims. (Cl. 175-294.)



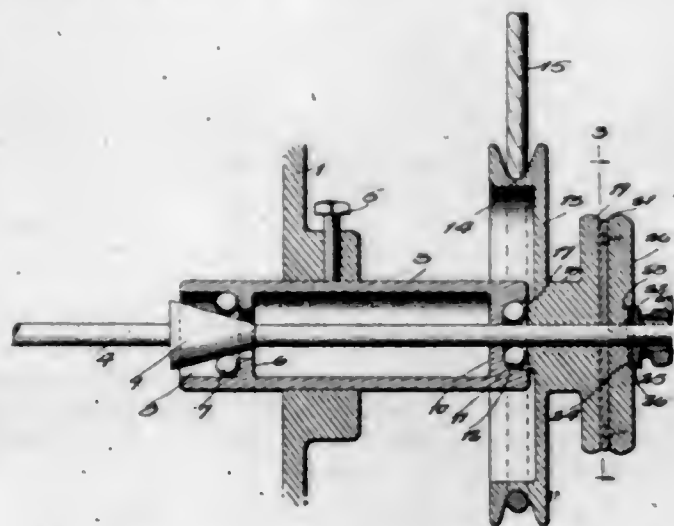
1. In an electrical installation the combination with a grounded metal-sheathed cable whose sheath is broken in its continuity, of a spark-gap bridging such break.

1,512,445. CLOTHESPIN. LEONARD S. BALUTA and GEORGE A. MCAFEE, Berwick, Pa. Filed June 7, 1923. Serial No. 643,965. 4 Claims. (Cl. 24-138.)



1. A clothes pin comprising a main body portion having a pair of prongs extending therefrom, and a metal reinforcing pin extending thru said prongs at a point adjacent said main body portion, having its ends turned inwardly and lying flush with the outer face of the pin.

1,512,446. MOVING-PICTURE MACHINE. CHARLES J. BARNES, Goldsboro, N. C. Filed Mar. 25, 1924. Serial No. 701,833. 3 Claims. (Cl. 242-75.)

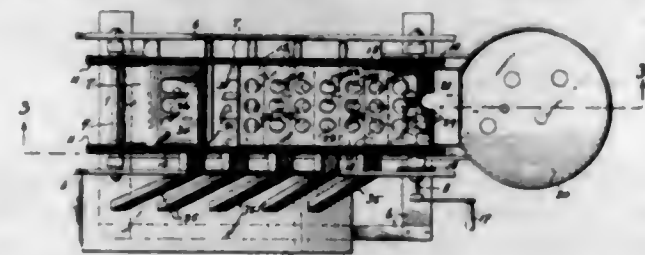


1. A tension take-up for moving picture machines comprising a spindle, a housing to receive the spindle, said housing adapted to be connected with the magazine of the moving picture machine, ball bearings at the opposite ends of the housing, a cone-shaped enlargement on the spindle adapted to engage one set of ball bearings, a pulley loosely mounted for rotation on the spindle and having a hub portion and an annular disc integrally formed with the pulley, a second disc slidably mounted on the spindle and adapted to be simultaneously rotated with the spindle and adapted to have frictional engagement with the first mentioned disc, and means for locking the second mentioned disc against disengagement from the spindle.

1,512,447. COIN ASSORTER. CLAUDE H. BIRDSALL, New Rochelle, N. Y. Filed Feb. 1, 1923. Serial No. 616,290. 4 Claims. (Cl. 83-92.)

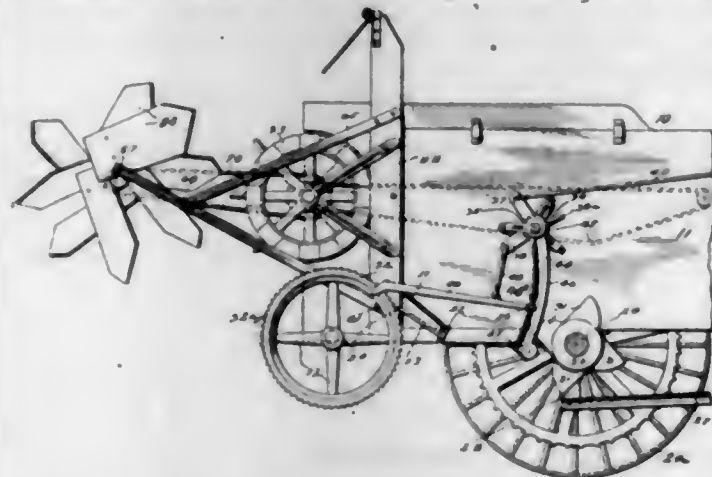
1. In a device of the kind described, an inclined separator plate having a plurality of apertures of various widths, endless conveyer chains mounted to run parallel to the respective longitudinal margins of said separator

plate, transverse conveyer plates interconnected between said conveyer chains so as to be moved upwardly over the surface of said separator plate, said conveyer plates having pockets to receive articles to be sorted, said



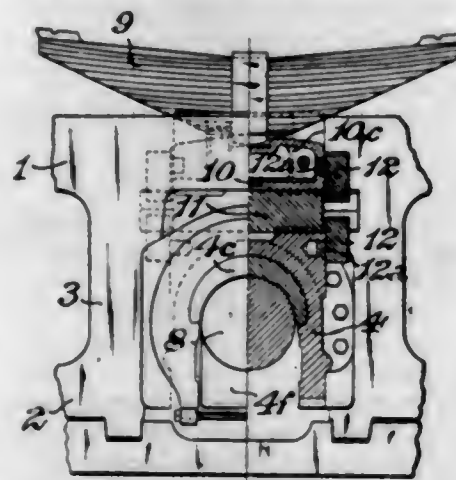
pockets being disposed to register with and move successively over said longitudinally aligned apertures of said separator plate, and said pockets at their lower sides having notches for longitudinally centering the articles deposited therein.

1,512,448. MANURE SPREADER AND FEED MECHANISM THEREFOR. NICHOLAS HENRY BLOOM, Nashua, Iowa, assignor to The Bloom Manufacturing Co., Nashua, Iowa, a Corporation of Iowa. Filed Nov. 10, 1921. Serial No. 514,220. 5 Claims. (Cl. 74-14.)



1. In a ratchet feed mechanism for manure spreaders, the combination of a ratchet wheel and its actuating pawl or dog, a series of cam tappets, and means for imparting a feeding movement to said ratchet wheel and pawl, said means including an arcuate pendant lever interposed between said cam tappets and said pawl, and having slidable engagement with said pawl.

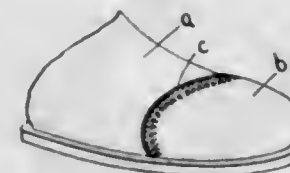
1,512,449. LATERAL-MOTION APPLIANCE FOR LOCOMOTIVE DRIVING BOXES. JAMES G. BLUNT, Schenectady, N. Y. Filed May 15, 1923. Serial No. 639,046. 4 Claims. (Cl. 105-80.)



1. In a locomotive engine, the combination of a side frame; a driving box, fitted, with the capacity of relative longitudinal movement, therein, and having double inclined bearing face recesses in its top; a spring seat,

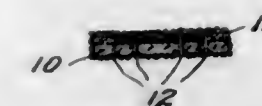
vertically movable, relatively to the driving box, and having similar bearing face recesses in its bottom; a roller, interposed between the bearing face recesses; and teeth, fixed to the driving box and the spring seat, and engaging said roller.

1,512,450. ORNAMENTED SHOE UPPER. WILLIAM F. BOSTOCK, Braintree, Mass. Filed Dec. 2, 1921. Serial No. 519,378. 3 Claims. (Cl. 36-1.)



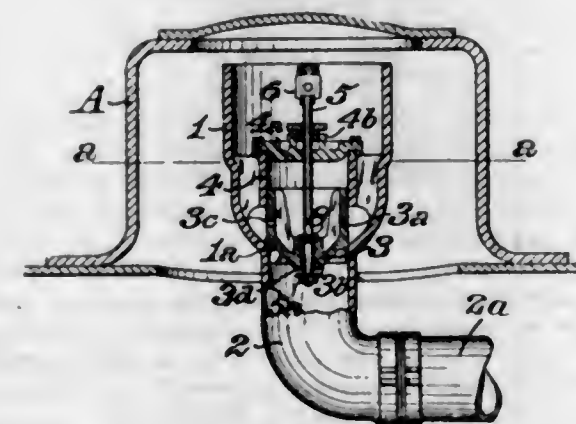
1. A shoe upper including a number of pieces stitched together in overlapping relationship, a flexible metallic edging at and paralleling the seam and gripping the exposed edge of a part of said upper, said edging extending at least partly across the upper exposed to view and being sufficiently flexible to permit flexing of the upper.

1,512,451. BRAKE LINING. CHARLES W. BROWN, Nashville, Tenn. Filed June 21, 1922. Serial No. 599,869. 6 Claims. (Cl. 188-259.)



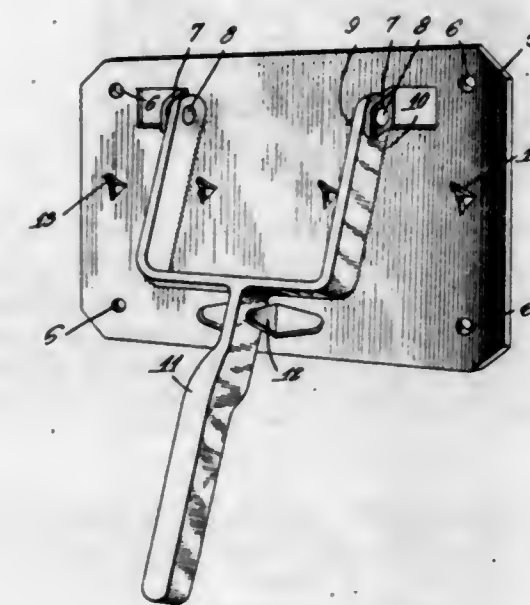
5. A brake lining, comprising a body portion of cork, a flexible cover for the body portion having a plurality of layers of folds between the wear surface and the body portion and means for securing the folds and body portion together.

1,512,452. THROTTLE VALVE. ALFRED W. BRUCE, New York, N. Y. Filed Mar. 28, 1923. Serial No. 628,258. 3 Claims. (Cl. 277-37.)



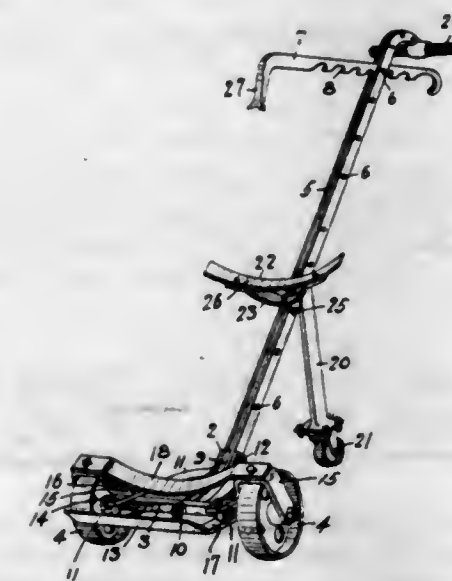
1. The combination of a throttle box, continuously open to steam supply; a single seated throttle valve, controlling communication between said throttle box and an avenue of steam delivery; a superposed balancing chamber, open to said throttle valve; means for effecting positive and uninterrupted admission of steam to said chamber to exert downward pressure on the throttle valve, when seated; and means for exhausting steam from said chamber, to release downward pressure on said valve in effecting its unseating movement.

1,512,453. STEEL CARD HOLDER. EDWARD E. BULL, Calvin, Ky., assignor of one-half to Clarence A. Smith, Artemus, Ky. Filed Dec. 18, 1923. Serial No. 681,426. 1 Claim. (Cl. 40-13.)



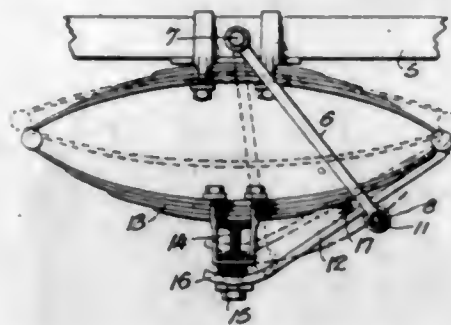
A card holder including a base, spurs formed on the base, a jaw pivotally supported on the base, and having teeth formed along the lower edge thereof, a handle forming a part of the jaw and adapted to be moved to move the jaw into engagement with the base, and fingers cooperating with the handle for holding the jaw in its active position.

1,512,454. TRUCK. CHARLES W. CADE, Bellevue, Pa., assignor to McKinney Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 2, 1920. Serial No. 386,082. 2 Claims. (Cl. 280-54.)



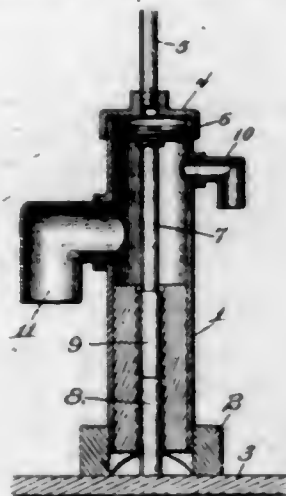
1. The combination with a truck provided with wheels, an axle and a shaft, of brace members, one disposed at each side of the shaft, and having one end connected to said shaft and its other end extending across the top of said axle, a toe-piece having rearwardly extending projections disposed beneath said axle and in alignment with the forward ends of said braces, and means for securing said toe-piece to said braces at points forwardly and rearwardly of said axle.

1,512,455. SHOCK ABSORBER. CECIL CALVERT and JAMES F. DURAMEL, Washington, D. C. Filed May 11, 1921. Serial No. 468,513. 12 Claims. (Cl. 267-28.)



1. In a shock absorber, the combination of a spring, and means pivoted above the said spring and retained in a partly elevated position near the outer end of the spring but adapted to fall by gravity beneath the spring when the latter is compressed and to be again forced to the outer end of the spring when it relaxes.

1,512,456. AUTOMATIC HOT-BOX ALARM. JAMES WILLIAM CARMAN, Seattle, Wash. Filed May 29, 1923. Serial No. 642,316. 3 Claims. (Cl. 303-1.)



1. A heat detector including a movable part, independent signalling conditions resultant from different positions of such part, and independent fusible means to control the positions of such part.

1,512,457. CONDUCTOR SUPPORT. HOMER PAYNE CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 26, 1923. Serial No. 664,885. 15 Claims. (Cl. 191-39.)

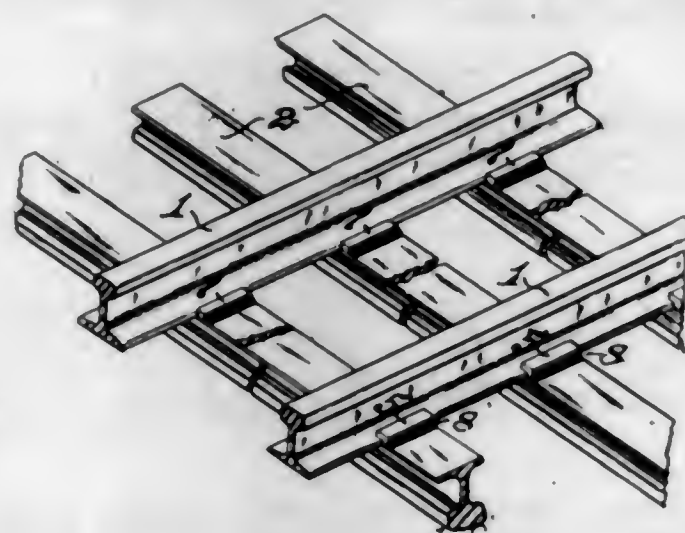


1. An article of manufacture comprising an insulating member, conductor connecting members secured to the ends thereof, means to secure conductors thereto and support members secured to the insulating member and projecting in a longitudinal direction and intermediate the upper and lower faces thereof.

1,512,458. RAIL FASTENER. WILLIAM DALTON, Schenectady, N. Y. Filed Aug. 17, 1923. Serial No. 657,944. 5 Claims. (Cl. 238-311.)

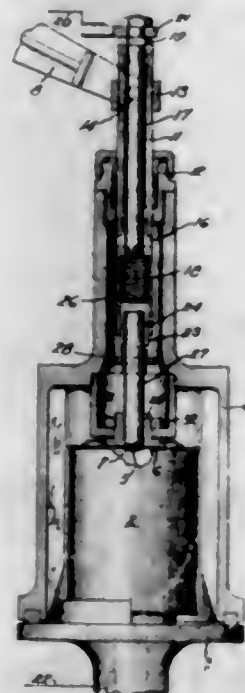
4. Means for fastening rails to ties, comprising a retainer bar adapted to lie across the tie and having its inner side recessed to overlap the rail flange, the angle

of the upper wall of said recess to the horizontal being greater than the angle of the upper side of the rail flange to the horizontal, whereby the rail can be removed



by tipping it without disturbing the bar, and a second retainer bar adapted to lie across the tie on the other side of the rail and presenting a plane vertical face to the rail flange, said bars being welded to the tie.

1,512,459. SOLDERING DEVICE. ALBINO S. DONDERO, Oakland, and GEORGE A. BARDET, Berkeley, Calif. Filed Dec. 1, 1921. Serial No. 519,101. 7 Claims. (Cl. 113-82.)

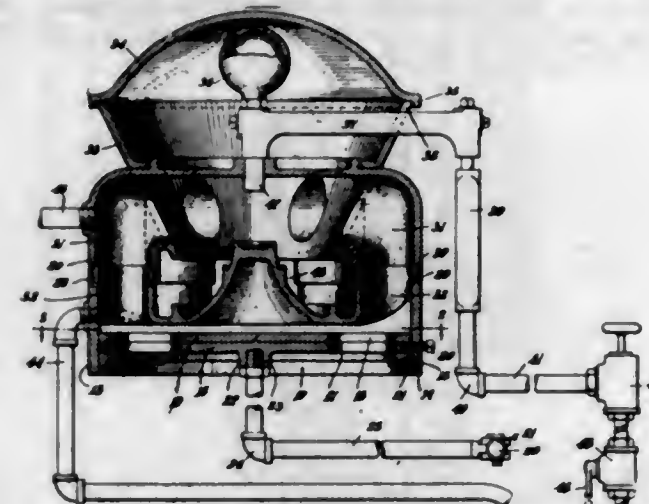


1. An electrical device for fusing a lump of solder, comprising a terminal, a circuit connected on one side to said solder and on the other side to said terminal, means for moving said terminal toward and from the solder, and adjustable means for limiting the movement of the terminal toward the solder.

1,512,460. BURNER. THOMAS C. ESPOSITO, Brooklyn, N. Y. Filed Mar. 12, 1924. Serial No. 698,634. 2 Claims. (Cl. 158-53.)

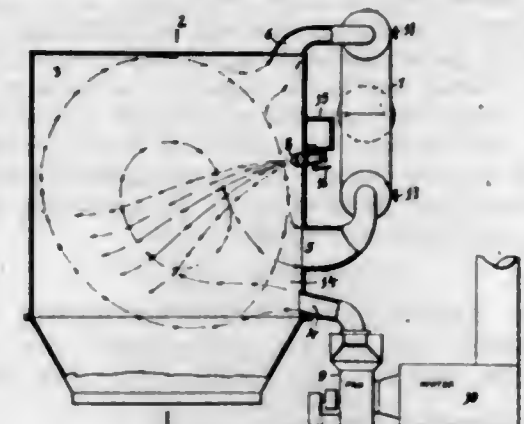
1. A burner of the kind described comprising an annular base supporting member having a plurality of tubular projections thereon and a frusto-conical projection in the center thereof, an annular member mounted upon the said annular base supporting member having tubular projections thereon interlocking with the afore-

said tubular members on the aforesaid annular base supporting member and a frusto-conical flange connecting the said tubular projections, substantially closed at the top to form a combustion chamber between it and the frusto-conical projection on the said annular base supporting member, a frusto-conical member mounted upon the annular member and having an opening therein to admit



of a supply pipe, a cap mounted on said frusto-conical member, a generator mounted at the side of said burner, a supply pipe connected to said generator and extending up and over the burner and through the said frusto-conical member thence down through the annular member into the combustion chamber a reservoir connected to said supply pipe within said cap, and means for permitting and restricting the flow of air to the burner.

1,512,461. METHOD FOR DESICCATION. WALTER L. FLEISHER, New York, N. Y. Filed Feb. 2, 1921. Serial No. 441,930. 8 Claims. (Cl. 159-48.)

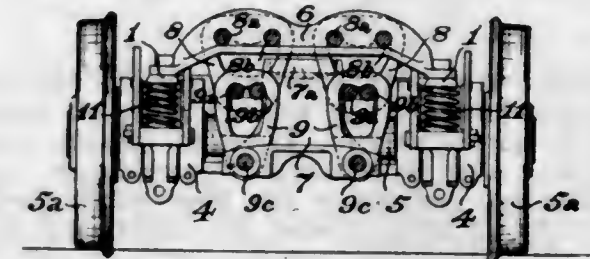


7. A method of desiccation which consists in creating an air current in the form of a hollow cylinder, forcing an atomized substance to be desiccated through the cylinder from the outside of the said cylinder in a plane parallel to the elements of the said cylinder and in a direction perpendicular to said elements, and removing portions of the air current forming the hollow cylinder at places before and after where the spray enters the hollow cylinders.

1,512,462. PROCESS FOR THE MANUFACTURE OF METALS, ALLOYS, AND THE LIKE. TURE ROBERT HAGLUND, Stockholm, Sweden. Filed Sept. 9, 1922. Serial No. 587,214. 15 Claims. (Cl. 75-17.)

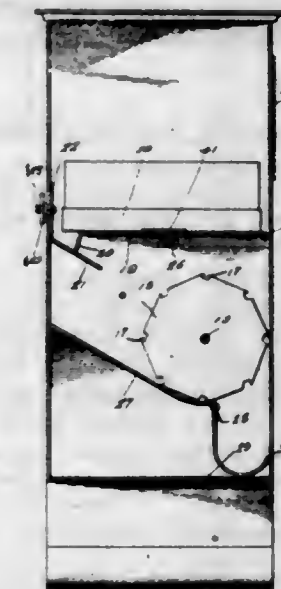
1. Process for producing aluminum, silicon or calcium or alloys containing at least a comparatively high percentage of one or more of said low specific gravity elements, which comprises reducing the ores in an electric furnace by means of normally solid reducing agents and forming over the reduced metal a protective covering of low specific gravity slag containing at least a comparatively high percentage of low specific gravity sulfides.

1,512,463. SWING-HANGER LINK FOR RAILROAD TRUCKS. ROBERT F. HALL, Schenectady, N. Y. Filed Oct. 6, 1923. Serial No. 666,991. 6 Claims. (Cl. 105-189.)



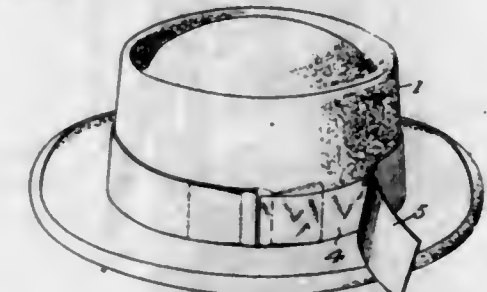
1. A swing hanger link for lateral motion railroad trucks, comprising a plurality of connected members, the first thereof being provided with bearings for permitting its movement on a support, and the others being journaled, successively, on the first and one on another, whereby each has the capacity of movement, both independently of the first and coincidently therewith.

1,512,464. MATCH BOX. FRANK J. HEKEDLE, Davidson, Saskatchewan, Canada. Filed Apr. 3, 1922. Serial No. 549,293. 5 Claims. (Cl. 206-22.)



1. A match receptacle comprising a casing, means located within the casing for delivering a match singly therefrom, means whereby the match delivering means may be operated and means for arranging the matches in regular order within the receptacle, said means including a match box supporting tray and adjustable means for holding the tray in position.

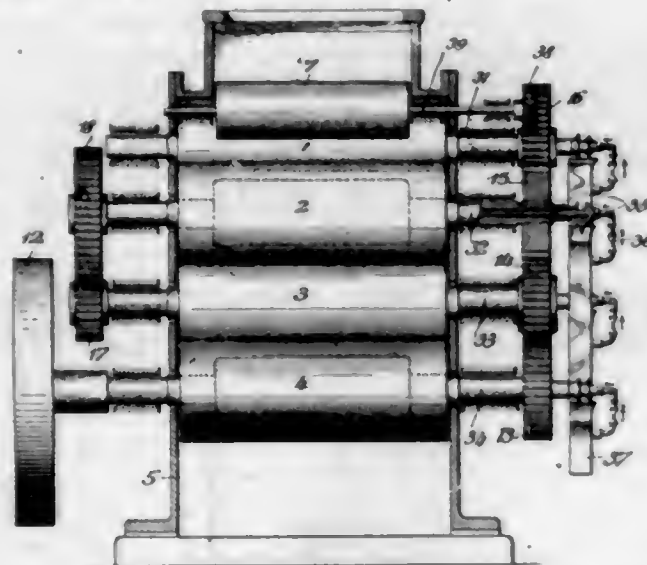
1,512,465. HAT. ERNEST E. HODSHON, Nutley, N. J. Filed Apr. 17, 1923. Serial No. 632,703. 3 Claims. (Cl. 2-179.)



1. A hat provided with a flexible, waterproof reinforcing band adhering to the exterior of the hat and running around the base of the crown thereof, the lower edge of this band extending to the junction of the brim and the body, and a hat ribbon adhering to said

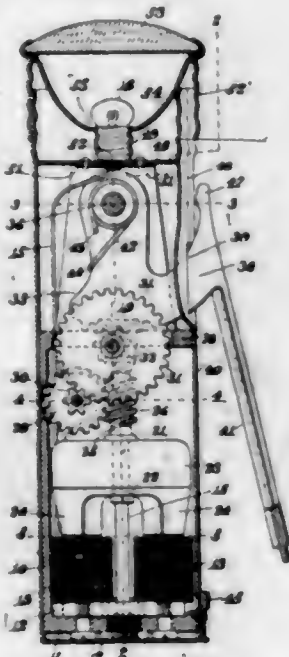
reinforcing band substantially throughout the width of the ribbon, said band and ribbon when thus connected together and to the hat body serving to stiffen the body and to protect the hat band against sweat.

1,512,466. METHOD FOR GRINDING PRODUCTS CONTAINING A HIGH PERCENTAGE OF GREASE, SUCH AS ALMONDS, COFFEE BEANS, CACAO BEANS, AND THE LIKE. WERNER IFF, Flawil, Switzerland, assignor to the Firm Bühler Brothers. Filed May 2, 1921. Serial No. 466,071. 2 Claims. (Cl. 83-12.)



1. The method of grinding grease-containing kernels and means, which comprises passing the kernels or beans between successive co-operating rolls rotating at progressively increasing speeds sufficient to produce simultaneous heating, crushing and drawing action upon the material being ground, initially bringing the cold rolls up to operating temperature and maintaining a proper temperature of the product being ground to melt the grease contained in the product by cooling the rolls to remove the excess heat due to grinding.

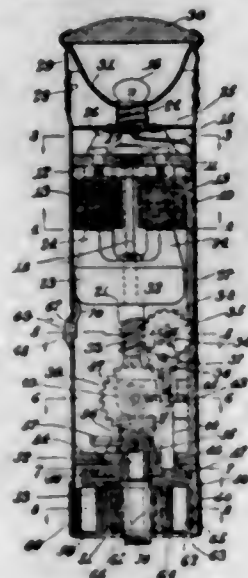
1,512,467. FLASH LIGHT. GUSTAF IVAR JOHNSON, Malden, Mass. Filed Nov. 19, 1921. Serial No. 516,453. 9 Claims. (Cl. 240-8.5.)



1. In a device of the class described, the combination of a magneto generator including a rotating magnet having clutch means at one end thereof; a shaft on which said magnet is mounted; a member slidable upon said

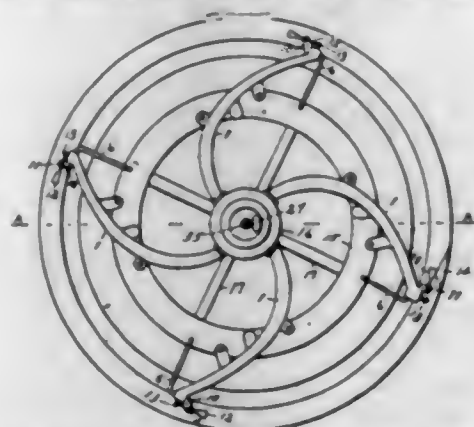
shaft having selfacting clutch means adapted to engage with the magnet; means for retaining the clutch of the magnet in engagement under normal conditions; driving means for said slidable member; a lamp; and electric connections between said lamp and generator.

1,512,468. FLASH LIGHT. GUSTAF I. JOHNSON, Malden, Mass. Filed May 11, 1922. Serial No. 560,223. 11 Claims. (Cl. 240-8.5.)



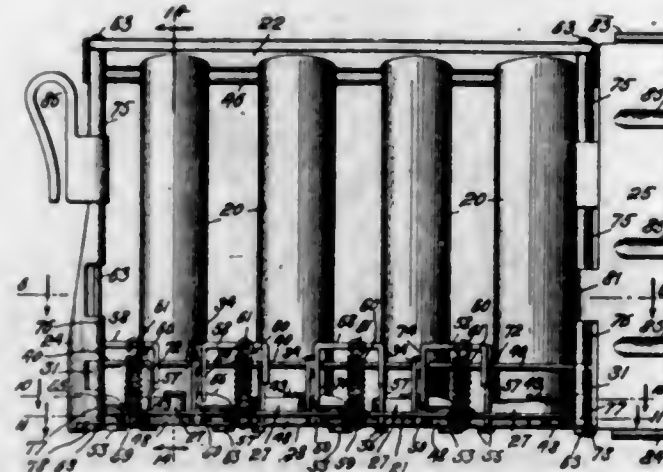
1. In a device of the class described, the combination of a frame; a magneto generator including field coils and a magnet rotatable about an axis parallel with said field coils and provided with poles projecting from one face thereof with their end faces adapted to travel in a path adjacent and opposite the ends of the cores of said field coils, and all mounted upon said frame; a casing enclosing said frame a lamp at one end of said casing; electric connections between said lamp and generator; means within the casing for rotating said magnet at a high rate of speed; an actuating spring within the opposite end of said casing for imparting movement to said rotating means; a rotatable member on said casing for winding said spring; and gripping means within the casing for holding one end of the spring during the winding operation but adapted to be automatically released when the spring is unwinding.

1,512,469. CENTRIFUGAL CONCENTRATOR. LEWIS M. KELLOGG, Los Angeles, Calif. Filed June 5, 1923. Serial No. 643,587. 25 Claims. (Cl. 233-15.)



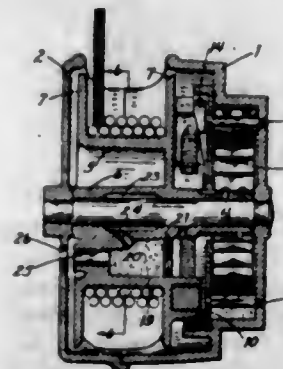
1. In a centrifugal concentrator in combination, a curved stratifying chamber, a curved classifying chamber extending outwardly from and connecting into the stratifying chamber, a tailings discharge port at the juncture of the two chambers, a pocket formed at the outer end of the classifying chamber, a restricted classifying water conduit connecting into the pocket, a concentrate discharge valve for the pocket, means for pulsating a classifying flow set up in the classifying chambers, and means for feeding ore pulp to the stratifying chamber.

1,512,470. COIN OR CHANGE HOLDING AND DELIVERING DEVICE. SEYED KHALIL, Newark, N. J. Filed June 30, 1922. Serial No. 571,982. 24 Claims. (Cl. 133-5.)



1. A coin-holding and delivery device comprising a plurality of vertical coin-holding tubes, a cover-plate therefor, a base-plate for said tubes, a bottom plate spaced below said base-plate and having outlets for discharged coins, oscillatory coin rings between said base-plate and bottom plate and manually operative means for actuating said rings to deliver the coins held by them, said base-plate having openings above said rings and below said tubes and vertical flanges around said openings formed with inturned recessed flanges, and said tubes at their lower end portions having two sets of lugs, one set being adapted to be inserted downwardly through said recesses and carried, by turning the tubes, below said flanges and the other set being adapted to rest on top of said flanges.

1,512,471. TROLLEY TENDER. ERNST A. LARSSON, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed May 23, 1923. Serial No. 640,574. 11 Claims. (Cl. 191-95.)

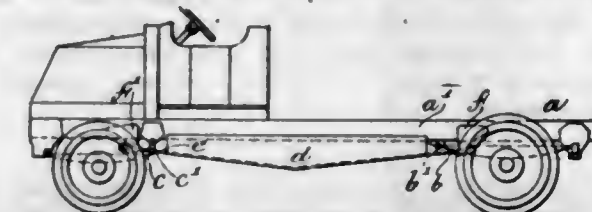


1. In a trolley tender, the combination of a case, a rope reel rotatably mounted therein, centrifugally operated stop means to prevent the rotation of the reel with an increased rate of rotation of the reel above a predetermined rate, means to supply a lubricant to the centrifugal stop means comprising a supply of oil rotatable with the reel and means to convey the oil to the centrifugal stop means.

1,512,472. REINFORCEMENT FOR FRAMES OF MOTOR VEHICLES. AUGUST H. LEIPERT, College Point, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 13, 1921. Serial No. 492,081. 1 Claim. (Cl. 280-106.)

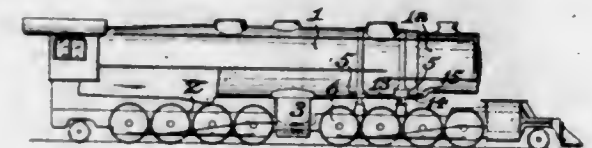
The combination with the longitudinal side frame member of the chassis of a motor vehicle and springs having points of attachment thereto, of a tension strap threaded at its ends and extending beneath the frame

member for a major portion of the length thereof, brackets secured to the frame member between the points of attachment of the individual springs respectively and having eyes through which the ends of the strap extend, nuts threaded on to the ends of the strap to secure it adjustably in the brackets and a wooden reinforcing beam of greater width than the side frame mem-



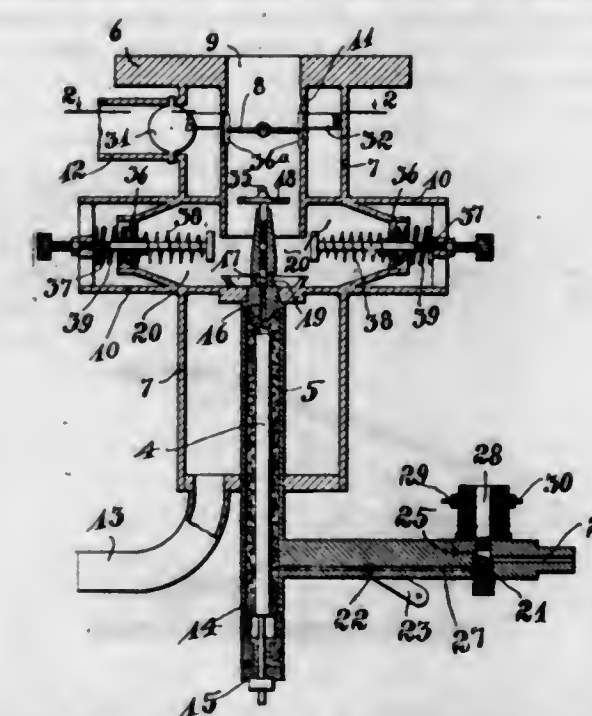
ber of the chassis to underlie the same for a major portion of the length thereof and formed with a recess in its upper edge to receive the lower edge of the side frame member and a flange to engage the outer face thereof to resist turning moments, the lower edge of said beam being formed with reversely inclined surfaces extending from the midsection of the beam and a longitudinal groove to receive the tension strap.

1,512,473. BOILER BEARING. WILLIAM W. LEMEN, Los Angeles, Calif., and DANIEL G. CUNNINGHAM, Salt Lake City, Utah. Filed Mar. 17, 1924. Serial No. 699,802. 4 Claims. (Cl. 105-39.)



1. In a locomotive of the Mallet type, bearings for the front part of the boiler, comprising a saddle, curved to the contour of the boiler shell; a pair of straps, hinged to the ends of said saddle and passing up around the shell; and means for tightening said straps on the shell.

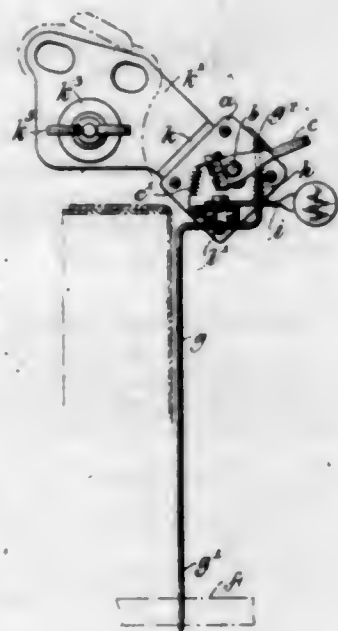
1,512,474. HYDROCARBON-VAPOR GENERATOR. MARCUS MICHAEL LEVINSON, Altadena, Calif., assignor to Wizard Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 28, 1921. Serial No. 518,485. 2 Claims. (Cl. 48-180.)



1. In a hydrocarbon vapor generator, a gasifier embodying vaporizing and preheating means having a vapor discharging termination, air supplying means in communication with and surrounding the said discharging

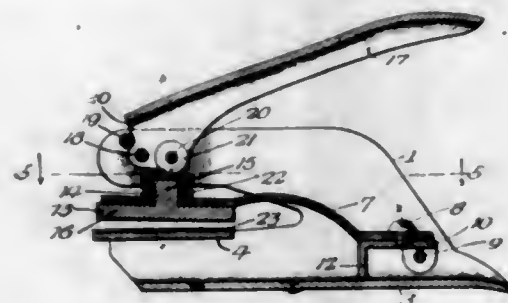
termination and forming a mixing chamber, a discharging connection for the air-mixed vapor in the mixing chamber extending from the said mixing chamber, a throttle-valve in the discharging connection for controlling the draft through the connection, a needle-valve operatively disposed over the discharging termination of the gasifier having a disc-like portion operative by the draft through the discharging connection on opening of the throttle-valve, and a casing surrounding the gasifier with air-supplying and vapor-discharging connections and forming a heating chamber around the mixing chamber.

1,512,475. WORD COUNTER FOR TYPEWRITING MACHINES. WALTER S. LITTLE, Philadelphia, Pa., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 24, 1923. Serial No. 620,867. 4 Claims. (Cl. 235-102.)



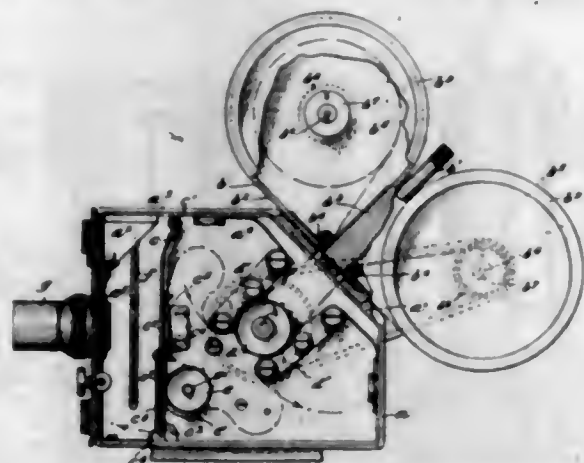
1. A word counting mechanism for typewriting machines, comprising a counting machine, an operative lever therefor, and a link for operative connection of the operating lever with a moving part of the typewriting machine, the link having a one-way connection with the operating lever, whereby movement of the link effects movement of the lever and the lever can be operated independently of the link.

1,512,476. SEAL PRESS. GUSTAV A. J. MEYER, Chicago, Ill., assignor to Meyer & Wenthe, a Copartnership consisting of Gustav A. J. Meyer and Herman H. Wenthe, Chicago, Ill. Filed Apr. 30, 1923. Serial No. 635,566. 6 Claims. (Cl. 101-3.)



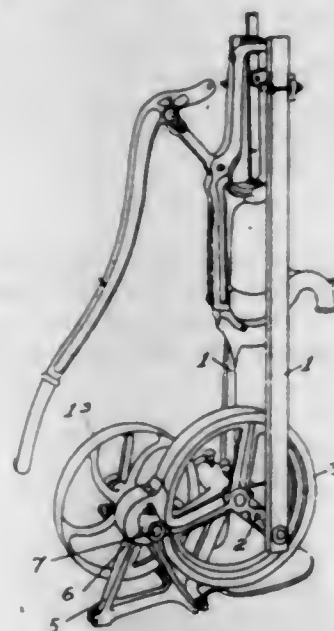
1. A seal press including a pair of relatively movable dies, and a spring member to which one die is threadedly attached, the spring member having an indicating portion adjacent to the periphery of the die attached thereto.

1,512,477. MOTION-PICTURE CAMERA. ERIK W. NELSON, New Rochelle, N. Y. Filed Aug. 1, 1921. Serial No. 488,867. 3 Claims. (Cl. 88-17.)



1. In a motion picture camera, a main casing generally rectangular in outline, having a finder eye-piece in its top and having one wall adjacent to the top at the rear at an oblique angle to form a seat for a film magazine.

1,512,478. PUMP JACK. HARRY B. NELSON, Saginaw, Mich., assignor to Nelson Brothers Company, Saginaw, Mich., a Corporation of Michigan. Filed May 29, 1922. Serial No. 564,483. 1 Claim. (Cl. 74-7.)

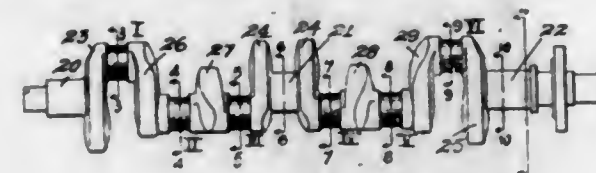


In a pump jack, the combination of a frame having a crank shaft bearing and a pulley shaft bearing integral therewith, a shaft in each bearing, an idle pulley slidable and rotatable on one of said shafts, one end of the hub of said pulley formed with a clutch member, a rotatable pinion on said shaft and having a second clutch member, the hubs of said pinion and pulley being recessed, a compressible spring enclosed within said recesses, a sleeve fixed to the end of said shaft and formed with a V-notch, a cam sleeve on said shaft formed with a V-shaped projection to engage said notch, and a handle for rotating said sleeve whereby to force the hub of said pulley into engagement with the hub of said pinion against the compression of said spring.

1,512,479. BALANCED CRANK SHAFT. JOHN A. OLDSOHN, Worcester, Mass., assignor to Wyman-Gordon Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 8, 1923. Serial No. 611,237. 3 Claims. (Cl. 74-38.)

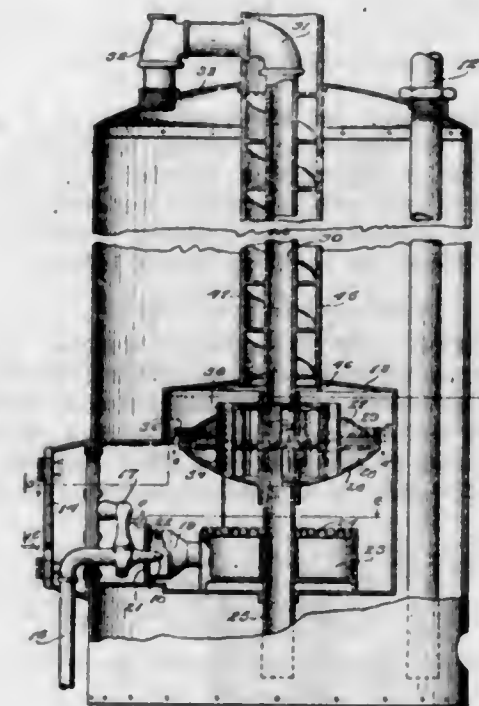
1. A three-bearing multiple crank-shaft of unitary forged construction and having adjacent single and connecting crank checks disposed in pairs at oblique angles

to each other, with the two unbalanced centrifugal forces produced by each such pair of adjacent cheeks acting in different directions, and a single counter-weight for each such pair of adjacent cheeks, angularly positioned to



counter-balance the resultant of these two unbalanced forces, said counter-weights being formed integral with said single cheeks and being positioned closely adjacent a crank-shaft bearing.

1,512,480. RANGE BOILER. RUGER PALMBLAD, Phoenix, Ariz., assignor of one-half to Darwin S. Horrall, Phoenix, Ariz. Filed Sept. 22, 1922. Serial No. 589,822. 5 Claims. (Cl. 122-18.)

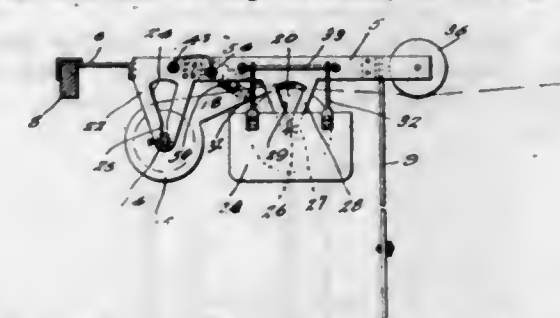


5. A heating unit for boilers comprising a hollow disk having a transverse partition furnishing an upper and a lower compartment therein, a passage in said partition, an inlet port for said lower compartment, an outlet port for said upper compartment, tubes extending through both of said compartments and arranged as an annular wall, and radially directed abutment members together with the tubes providing circuitous paths for the fluid to be heated through each of said compartments, a casing providing a combustion chamber in which said hollow disk is inserted, a supply pipe leading into said inlet port, an outlet pipe leading from said outlet port, said outlet pipe opening into the upper end of said boiler, and a flue pipe surrounding said outlet pipe and having communication with said combustion chamber at one end and the atmosphere at the other end.

1,512,481. PAPER CUTTING AND PASTING MACHINE. RAOUL J. PARATORE, New Orleans, La. Filed July 30, 1923. Serial No. 654,758. 7 Claims. (Cl. 91-14.)

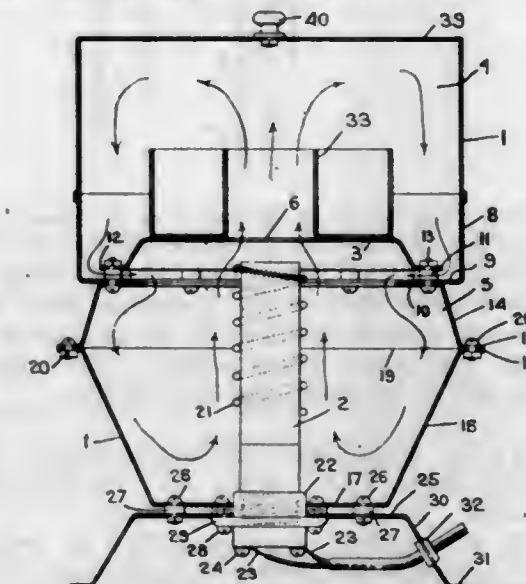
1. A paper pasting and cutting machine comprising a frame having depending brackets, a paste applying roller having a shaft connected to said brackets, a paste containing receptacle receiving said roller and having

detachable connection with said frame, a paper supporting rod carried by said frame, guide members mounted on said rod and having forwardly projecting arms to



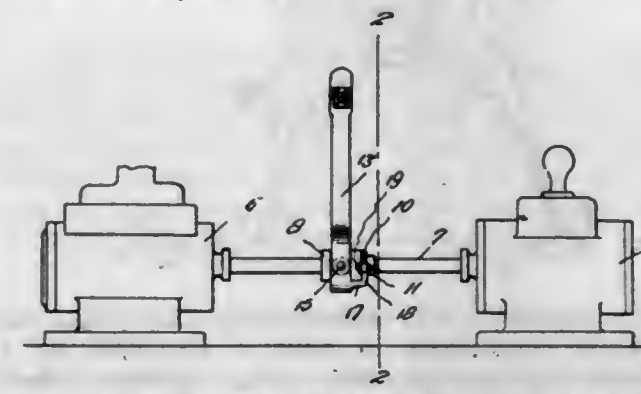
engage the edges of the paper and thereby guide the same over the paste applying roll, and means to urge the paper into contact with the roll.

1,512,482. ELECTRIC COOKER. RALPH J. PATTERSON, Watertown, Mass. Filed Oct. 17, 1923. Serial No. 669,042. 4 Claims. (Cl. 219-43.)



1. A device of the class described comprising an air heating chamber, an oven above the air heating chamber communicating therewith by means of a central up-take opening extending through the bottom of the oven and the top of the heating chamber, said oven also communicating with the heating chamber by means of peripheral down-draft openings at the bottom of the oven, whereby a closed circulation is established through the oven and the heating chamber and the heated air which passes upward into the oven through the central opening circulates through the oven and down along the walls thereof and through the peripheral openings into the heating chamber where it is re-heated and re-circulated to the oven again through the central opening.

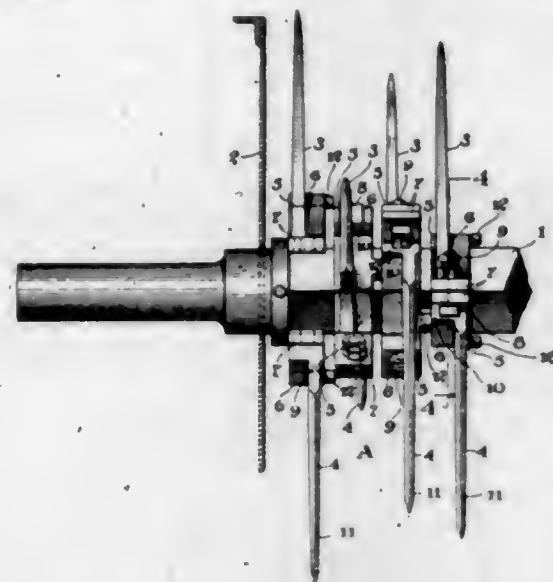
1,512,483. PUMP-ROD-TURNING MECHANISM. WILLIAM S. PINE, Ventura, Calif. Filed May 24, 1924. Serial No. 715,698. 2 Claims. (Cl. 74-54.)



1. In a device of the character described, the combination with a reciprocating rod, of a ratchet wheel mounted on said rod, a guide sleeve surrounding said rod and

adjacent said ratchet wheel, and means slidable transversely of said guide sleeve and operable to effect rotation of said ratchet wheel.

1,512,484. ROTARY-CUTTER KNIFE. ERNEST MORGAN PORTER, Honolulu, Territory of Hawaii. Filed June 11, 1923. Serial No. 644,709. 2 Claims. (Cl. 106—122.)

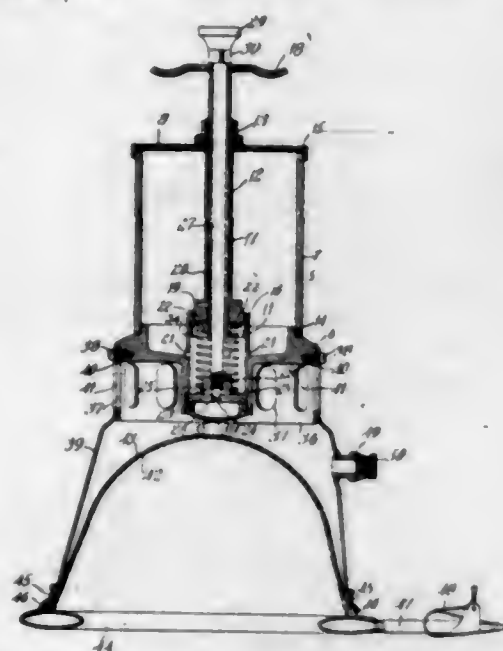


1. A knife adapted to be mounted on a rotative shaft, comprising two blades each provided with a hub section complementary to the hub-section of the other blade, said sections being adapted for connection each to each and to engage opposite portions of the periphery of the shaft, each said blade being laterally offset from the transverse axis of its associated hub section.

1,512,485. ELECTRIC ACCUMULATOR. ADOLFO POUCHAIN, Turin, Italy. Filed Apr. 18, 1921. Serial No. 462,348. 3 Claims. (Cl. 204—29.)

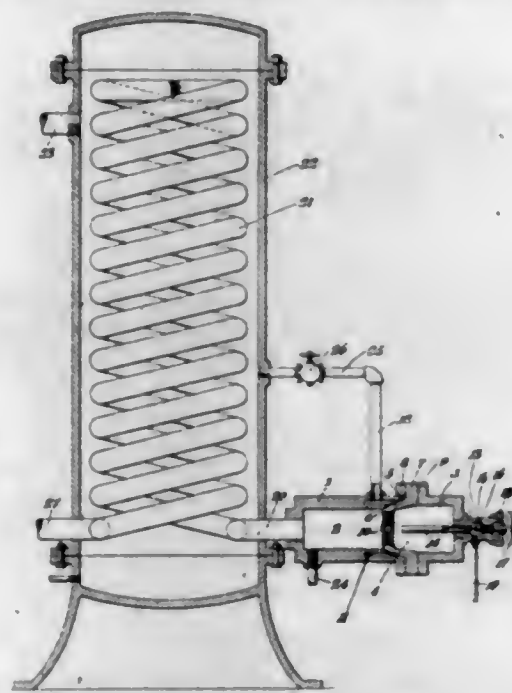
2. In an accumulator comprising zinc as active material, an electrolyte comprising zinc sulphate, aluminum sulphate, sulphates of alkaline metals and glycerine, all dissolved in a water solution of sulphuric acid.

1,512,486. APPARATUS FOR ADMINISTERING AN-ÆSTHETICS. RUDOLPH E. T. RHAMES, Boston, Mass. Filed Mar. 22, 1923. Serial No. 626,941. 15 Claims. (Cl. 128—188.)



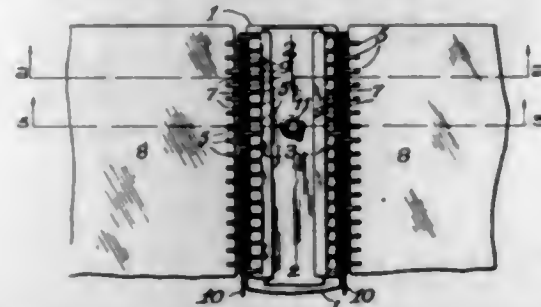
1. An apparatus for administering anesthetics comprising, in combination, a hood, a container for an anæsthetic mounted upon said hood, a pressure cylinder for said anæsthetic interposed between said hood and said container and communicating with both and means to force said anæsthetic from said pressure cylinder into said hood.

1,512,487. APPARATUS FOR GASEOUS FUEL. ADELBERT SAUER, Pittsburgh, Pa. Filed Nov. 16, 1920. Serial No. 424,553. 6 Claims. (Cl. 48—94.)



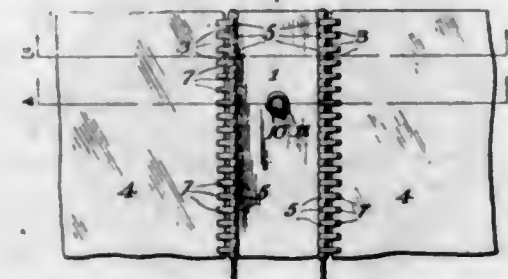
1. In an apparatus for the production of a gaseous fuel, a casing for superheated steam containing a coil for gaseous fuel, a fuel mixing chamber connected with one end of said conduit, a coniform superheated steam injector at the entrance to the mixing chamber, and a fuel injector inside the coniform steam injector.

1,512,488. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed July 28, 1923. Serial No. 654,298. 2 Claims. (Cl. 281—29.)



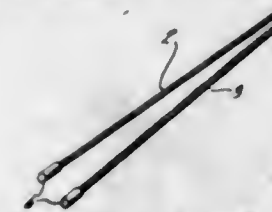
1. The herein described improvement in book covers, which consists of a back portion comprising an elongated metal plate, a facing of non-metallic material on the back of said plate, non-metallic penetrable material imposed on the inner face of said plate, a metal strip having extending from opposite side edges series of spaced fingers, the fingers of one series being staggered with respect to the fingers of the other series, one series of fingers having their extremities clenched into the non-metallic material on one face of the metal plate while the other series of fingers are bent to form aligned eyes that project from the side edges of said back portion and their extremities then clenched into the non-metallic material on the other face of said metal plate, flexible non-metallic covers, metal strips having extending from opposite side edges series of spaced and staggered fingers which are clenched into the covers near the inner edges and on opposite faces thereof the fingers of one series being bent to form aligned eyes prior to clenching that project from the inner edges of said covers, the eyes at the edges of the back portion and at the inner edges of the covers being interengaged and aligned to form complementary hinge elements, and pintles inserted within said elements.

1,512,489. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed July 28, 1923. Serial No. 654,300. 1 Claim. (Cl. 281—29.)



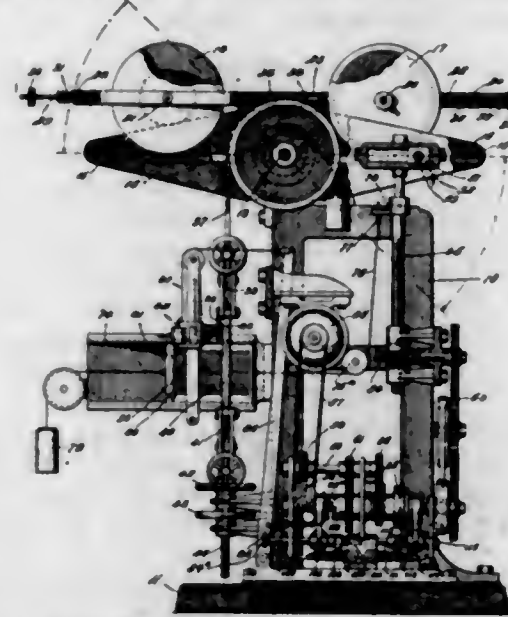
A book cover of the character described, comprising a metal back plate having integral with its side edges a series of spaced aligned projecting eyes, flexible covers having along their inner edges aligned spaced eyes that have extremities that are clenched to the inner and outer faces of said covers, said eyes being interengaged and pintles inserted through said eyes.

1,512,490. HAIR CURLER. ROBERT SCHEANBLUM and GRACE SCHEANBLUM, New York, N. Y. Filed May 19, 1923. Serial No. 640,002. 1 Claim. (Cl. 132—43.)



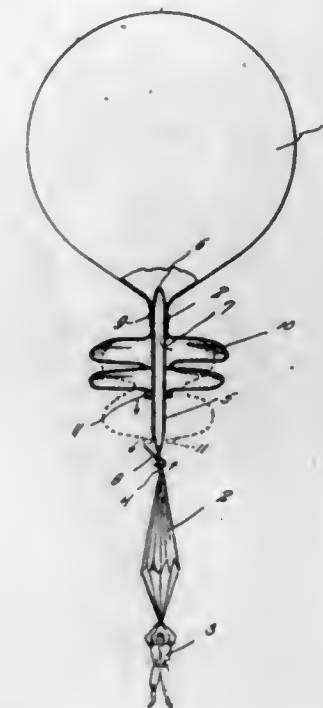
As an improved article of manufacture a hair curler formed of a single pliable covered spring wire bent intermediate its ends to form two spring clamping jaws normally divergent from their bend and adapted to be manually forced together to grip hair therebetween, opposite ends of the curler being adapted to be bent towards each other and over the hair to clamp the hair rolled against loosening, the free ends of said clamping jaws being provided with hardened globular protecting coverings constituting protuberances of greater cross section than that of said jaws.

1,512,491. TESTING MACHINE. HENRY L. SCOTT, Providence, R. I., assignor to Henry L. Scott & Company, Providence, R. I., a Copartnership comprising Henry L. Scott and David C. Scott. Filed Oct. 25, 1921. Serial No. 510,347. 33 Claims. (Cl. 265—16.)



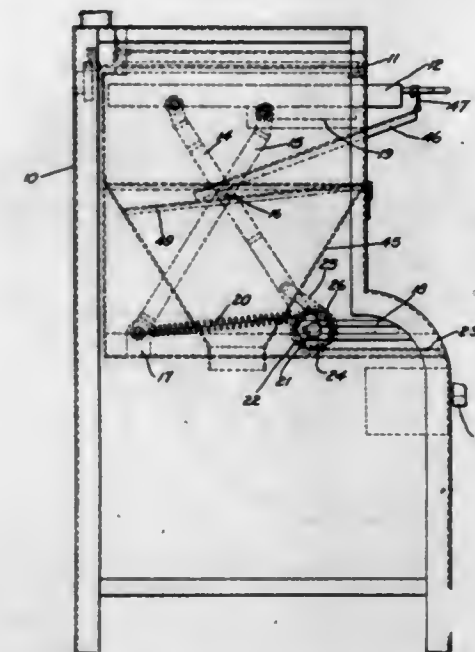
1. An improved method of testing materials which consists in mounting a weight on an inclinable plane, connecting the weight to the specimen to be tested, and inclining the plane to permit the weight to exert an increasing pull on the specimen.

1,512,492. TOY. THOMAS D. SEGEBERG, Somerville, Mass. Filed June 11, 1924. Serial No. 719,399. 5 Claims. (Cl. 244—21.)



1. A toy comprising a balloon, a weighted parachute, and means interposed between the two for automatically releasing the parachute at a predetermined time.

1,512,493. BROILER. JACOB L. SHROYER, Chicago, Ill., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill., a Corporation of New York. Filed Nov. 13, 1923. Serial No. 674,556. 6 Claims. (Cl. 126—41.)

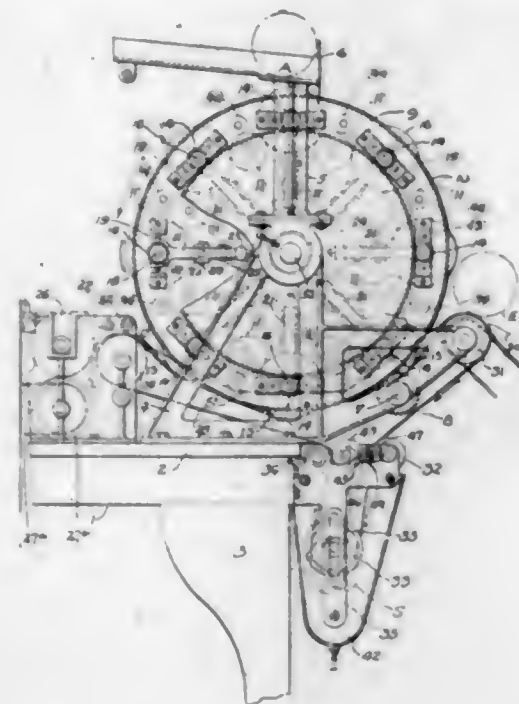


1. The combination with a cooking grid, of a plurality of pairs of pivotally connected arms forming supports for the grid, a rod forming a pivot for an arm of each pair and movable laterally to adjust the grid, means for causing rotation of said rod when the grid is adjusted, and latching means for holding the rod against rotation to secure the grid in adjusted position.

1,512,494. WRAPPING MACHINE. JAMES C. SHULTS, Meadville, Pa., assignor to Russ Automatic Labeling Co., Meadville, Pa., a Corporation of Delaware. Filed July 20, 1920. Serial No. 397,606. 16 Claims. (Cl. 216—59.)

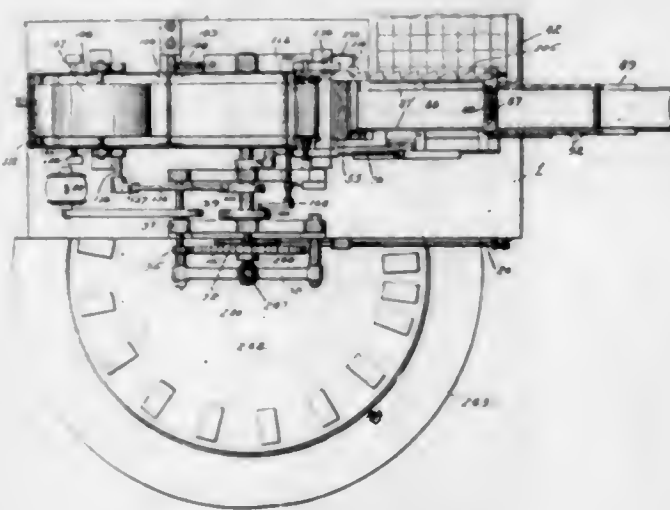
3. The combination with means for moving and rotating a package, a belt contacting with the package, means

for moving said belt at less than the linear velocity of the portion of the periphery of the package therewith con-



tacting, and means for supplying between the package and said belt an adhesive tempered label, the adhesive side thereof being presented to the package.

1,512,495. WRAPPING MACHINE. RUFUS A. SIMPSON, Oakland, Calif. Filed Feb. 10, 1921. Serial No. 443,851. 8 Claims. (Cl. 93-2.)

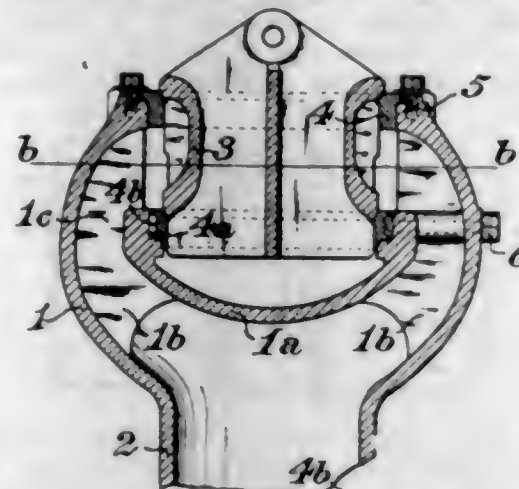


1. An article wrapping machine comprising a rotary carrier frame, flexible plates extending from the ends of said frame to form the side walls of article holding pockets, means for drawing a wrapper across the pocket, a plunger adapted to push the article and wrapper into the pocket, means for folding the projecting edges of said wrapper, and means for flexing said plates to release the articles in the pockets.

1,512,496. THROTTLE VALVE. LESLIE SNEAD, Richmond, Va. Filed Apr. 13, 1923. Serial No. 631,860. 3 Claims. (Cl. 251-159.)

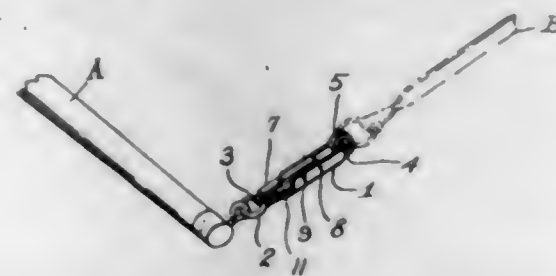
3. The combination of a throttle box; a seat, fixed therein and having a valve face; a floating seat, con-

nected thereto with the capacity of limited relative movement and having a valve face of less diameter than



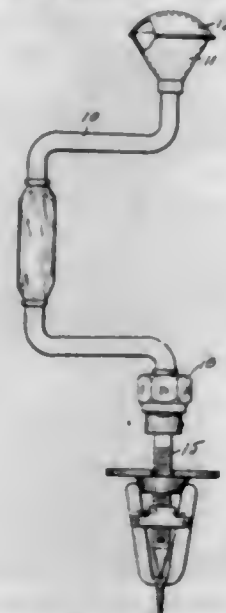
that of the fixed seat; and a double poppet throttle valve, adapted to seat on said valve faces.

1,512,497. HOOK. ORSIN L. SOBLEY, Ethelsville, Ala. Filed Apr. 28, 1924. Serial No. 709,623. 1 Claim. (Cl. 54-53.)



A device of the class described comprising a body having fastening means at one end thereof, a member having fastening means at one end thereof, one part having a notch and the other part having a projection engaging the notch for preventing movement of the member in the body, a lever pivoted to the body, an extension thereon for engaging the member for holding the projection in the notch when the lever is in one position but permitting movement of the member to free the projection from the notch when said lever is in its other position, and spring means for forcing the member upwardly to free the projection from the notch.

1,512,498. COMBINED DRILL AND SCREW SET. SYDOR SOLOP, South Brooklyn, N. Y. Filed Oct. 19, 1922. Serial No. 595,506. 1 Claim. (Cl. 145-70.)



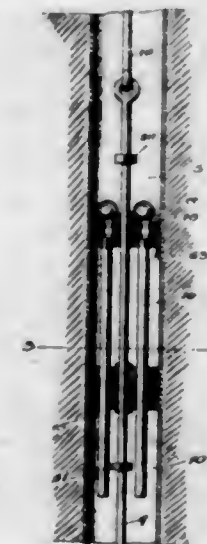
A combined drill and screw set comprising a frame and a tool holder, a ratchet connection between frame and holder, an exteriorly threaded sleeve secured to said

holder and connecting frame and holder, an interiorly threaded nut for holding the parts in their connected position, the adjacent ends of the frame and tool holder being provided with ratchet teeth, the connecting nut permitting longitudinal play of the parts to insure disconnection of the ratchet teeth in the relative movement of either part in one direction.

1,512,499. TREATMENT OF SMALL OR FINELY-DIVIDED COAL. WILLIAM WARWICK STENNING, PERCY THOMAS WILLIAMS, WALTER HENRY BEASLEY, and ARTHUR BERESFORD MIDDLETON, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y., a Corporation. Filed Nov. 11, 1922. Serial No. 600,407. 20 Claims. (Cl. 44-1.)

1. A process for the treatment of finely-divided coal wherein the coal particles are treated by agitation in a circuit liquor together with finer coal particles which have previously been coated with a flocculating medium.

1,512,500. PUMPING EQUIPMENT. JAMES BENJAMIN SWARTZ, Wichita, Kans. Filed Nov. 12, 1923. Serial No. 674,236. 1 Claim. (Cl. 103-155.)

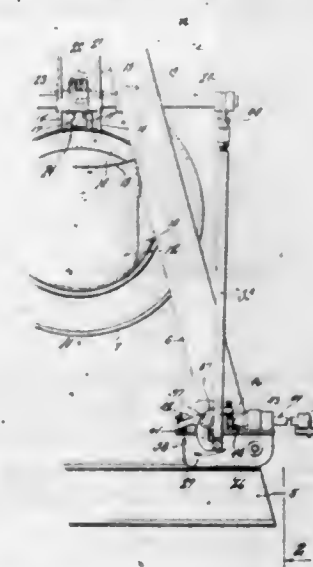


A pump for use in wells comprising a barrel, a stationary valve body positioned in the barrel and having a plurality of one-way valves, pipes rigidly secured to said valve body and depending therefrom, said pipes being adapted to convey liquid upwardly past said one-way valves, a piston in said barrel and having openings receiving said depending pipes, and a piston rod connected to said piston and being movable through said valve body, said piston being provided with a shoulder to thump against said valve body to firmly seat the same.

1,512,501. POWER DISCHARGE FOR MIXING MACHINES. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to T. L. Smith Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 26, 1922. Serial No. 556,778. 5 Claims. (Cl. 193-10.)

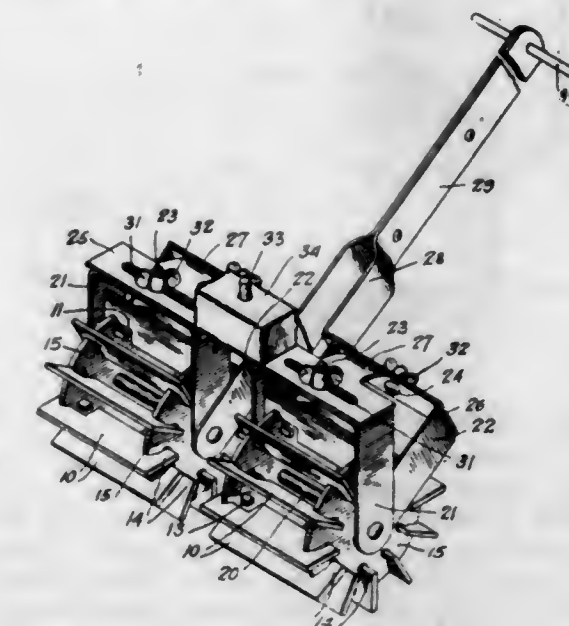
1. In a material mixing machine, a discharge spout adapted to be moved into operative and inoperative positions, power operating means for the same, said means including a drive shaft and a driven shaft, shiftable means for disconnecting the latter from the former and causing its movement in reverse directions, a third shaft

connected to said spout and adapted to cause the movement of the same, said third shaft being operated by said driven shaft, and elements carried by said third



shaft and adapted to operate said shiftable means upon the completion of the movement of the spout to one of its said positions.

1,512,502. ROTARY HOE. MICHAEL SCHILLING, Rahway, N. J. Filed May 4, 1922. Serial No. 558,405. 3 Claims. (Cl. 97-58.)

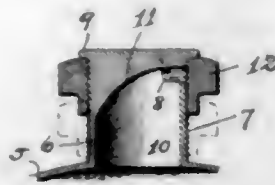


1. An agricultural implement comprising a pair of revoluble units, each unit having a plurality of longitudinal blades, a pair of notched discs supporting said blades, a spindle for each pair of discs on which each disc is independently adjustably secured, brackets in which said spindles are mounted, studs fixed in said brackets, an integral barred frame engaging said brackets, the bars of said frame having slots through which said studs pass, means for securing said studs in adjustment, a hand actuable tongue co-operative with said frame, and a weight on said frame adapted to force said blades into the soil.

1,512,503. COLLAPSIBLE TUBE. JOHN E. SEMMES, Jr., Baltimore, Md. Filed Feb. 11, 1921. Serial No. 444,147. 1 Claim. (Cl. 221-60.)

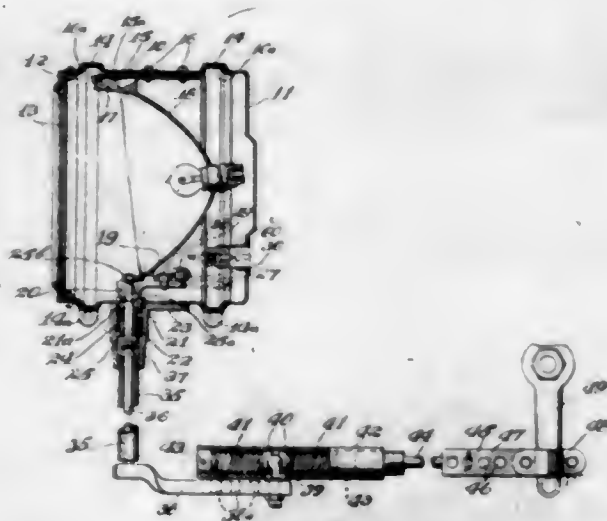
The combination with a collapsible tube having a breast with a tubular nozzle projecting from the center of the breast said nozzle being closed at its outer

end and having an annular stop-flange at its closed end and being externally screw-threaded from the stop-flange toward the breast and said nozzle having a segmental slot which extends in a direction at right angles to the axis of the nozzle which slot is located nearer to the



stop-flange on the nozzle than the breast,—and the interior of the nozzle having a curved wall that extends diametrically across the nozzle to the segmental slot and a nut on the nozzle and entirely closing the segmental slot when it is seated against said stop-flange.

1,512,504. DIRIGIBLE MECHANISM FOR HEADLIGHTS. ANDRES SOLOSABAL, Boise, Idaho. Filed Apr. 6, 1923. Serial No. 630,195. 9 Claims. (Cl. 240—44.)

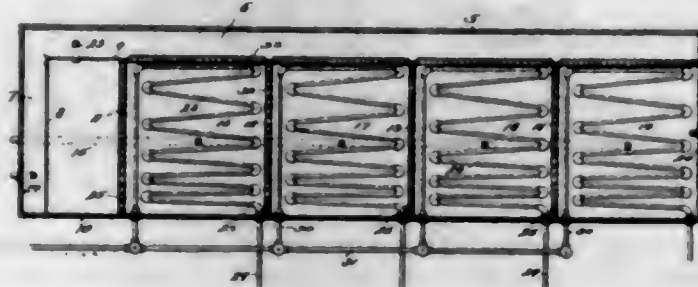


1. In a headlight, the combination of a casing, a bearing plate secured to the casing and having an outwardly extending boss containing a bore opening into said casing, a sleeve movable longitudinally in said bore, a reflector in said casing, a plate secured to the lower portion of said reflector, said sleeve and said plate having cooperating ball and socket surfaces supporting said reflector and permitting rotary and tilting movements thereof in the casing, a spring in said bore engaging said sleeve to hold it against said plate, a bearing member carried by the upper portion of said reflector, and a bar connected with the upper portion of said casing on its inner surface and movable thereon to tilt said reflector, said bar and said bearing member having cooperating ball and socket surfaces permitting rotary and tilting movements of said reflector and restraining said sleeve from upward movement under the action of said spring beyond a position holding said ball and socket surfaces respectively in engagement with each other.

1,512,505. EVAPORATING PAN. ARTHUR D. STEVENS and NAUBERT A. GILBERT, Jacksonville, Fla. Filed Oct. 22, 1920. Serial No. 418,717. 5 Claims. (Cl. 159—37.)

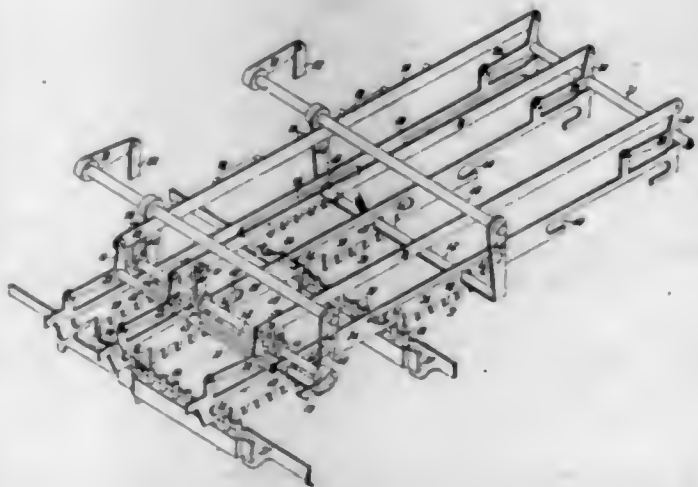
5. In an evaporating pan of the class specified, the combination of a pan proper having a scum trough extending along one side thereof and continuing across

one end of the pan, the part of the scum trough across one end having a discharge outlet, a plurality of partitions extending transversely across the pan from the scum trough to the opposite pan side to form a plurality of compartments, the partitions being provided with openings to set up communication between the compart-



ments, and heating coils mounted in some of the compartments and having a closer arrangement adjacent to one side of the compartment near the openings through the partitions than the opposite or scum trough side, the heating coils being provided with inlet and outlet means for the heating medium.

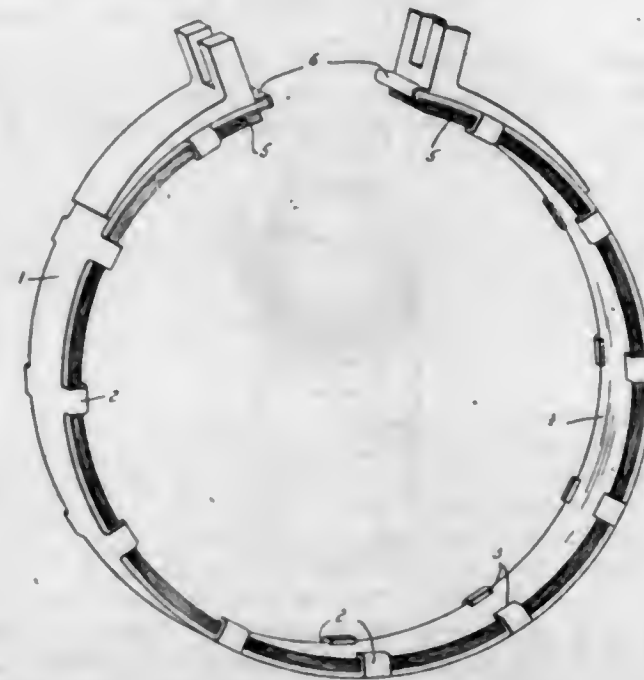
1,512,506. COMPUTING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed July 19, 1922. Serial No. 576,024. 67 Claims. (Cl. 235—60.)



1. In a machine in which subtraction is performed by the method of complementary addition, the combination of a single register, an operating mechanism therefor having a system of indexing devices, a set of nine digit keys, denomination-selecting means, linkage mechanism controlled by the keys for setting the indexing devices selectively, each of the first eight keys provided with a double linkage comprising concurrently operable addition and subtraction parts, and shiftable means co-operative with said double linkages to cause one or the other of said parts to engage and set indexing devices for either addition or subtraction.

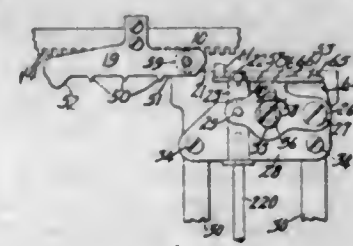
67. In a computing machine, in combination, a bar mounted for reciprocation transversely thereof and having a longitudinal slot, and an interponent mounted in said slot and having teeth at denominational intervals projecting beyond the edge of said bar, said interponent being shiftable along said slot to position said teeth in or out of denominational position.

1,512,507. BRAKE BAND. ALVIN H. SWEET, Los Angeles, Calif., assignor, by direct and mesne assignments, to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Filed Feb. 8, 1923. Serial No. 617,772. 4 Claims. (Cl. 188—259.)



1. A brake band having at each side inwardly extending lugs with internal lateral flanges at the inner ends thereof, whereby a lining may be positioned and retained within said band.

1,512,508. COMBINED TYPEWRITING AND COMPUTING MACHINE. OTTO THIEME, Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,585. 37 Claims. (Cl. 235—59.)



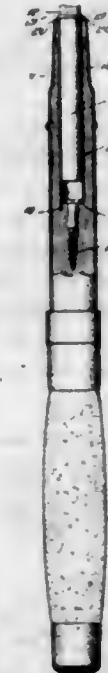
1. In a typewriting and computing machine having a normally disabled computing mechanism; numeral-key levers; a carriage movable in letter-feed and return directions; a cam or dog settable on the carriage in selected columns or computing-zone positions; means for setting the computing mechanism for operation thereof; and a plunger engageable by the cam or dog to operate said setting means when a computing zone is reached by movement of the carriage.

20. In a typewriting and computing machine, the combination with a platen-carriage, numeral-keys and computing mechanism, of a column or computing-zone stop on the platen-carriage, and means on the stop for causing the numeral-keys to be locked against operation between computing zones.

1,512,509. FISHING ROD. SAMUEL T. THORPE, Bristol, Conn., assignor to The Horton Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed Oct. 20, 1923. Serial No. 669,811. 2 Claims. (Cl. 43—18.)

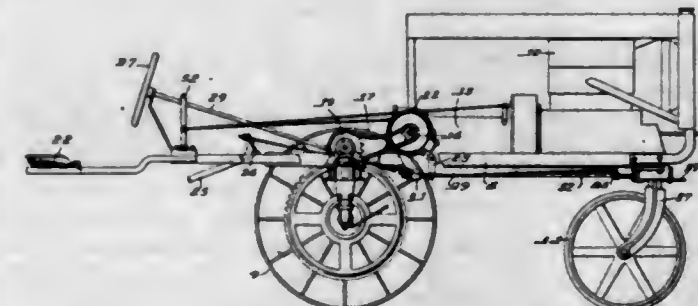
2. A fishing rod handle having a socket therein, a tubular thimble in the socket, the inner end of said

thimble being provided with a plurality of pointed projections adapted to penetrate the bottom of the socket, a plurality of projections on said thimble end extending



ing inward and forming a seat for a fastening element, a ferrule on the handle, and means on the outer end of the thimble for attaching the ferrule to the handle.

1,512,510. TRACTOR STEERING MECHANISM. HARRY R. TRAPHAGEN, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Dec. 8, 1920. Serial No. 429,181. 6 Claims. (Cl. 180—17.)

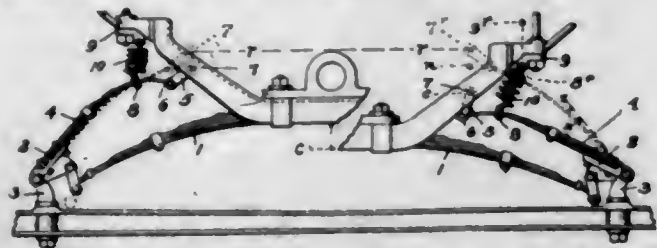


1. In a motor vehicle, the combination of a foot control mechanism for steering by driving, a hand steering device, and means actuated by the foot control mechanism for rendering the hand steering device inoperative.

1,512,511. PRODUCING VESSELS OF QUARTZ OR SIMILAR MATERIAL DIFFICULT TO FUSE AND IMPERMEABLE FOR GASES. ZACHARIAS VON HIRSCHBERG, Berlin-Pankow, Germany. Filed June 30, 1922. Serial No. 572,040. 2 Claims. (Cl. 49—78.1.)

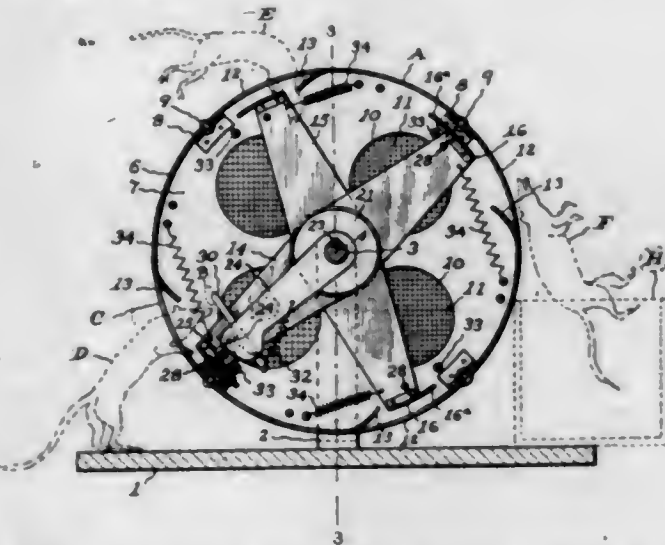
2. A process of producing hollow products impervious to gas and made of quartz, which consists in producing a hollow cylindrical body of quartz, cutting said body longitudinally thereof into two equal parts, cutting each of said parts into a plurality of plates curved in cross sections, placing said plates upon the outer surface of a mold having the form of the article to be produced, and subjecting said plates to the action of a strong source of heat and pressure thereby causing the plates to assume the form of the mold and simultaneously glazing the surface thereof.

1,512,512. SPRING SUSPENSION SYSTEM. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed Apr. 11, 1922. Serial No. 551,675. 6 Claims. (Cl. 267-17.)



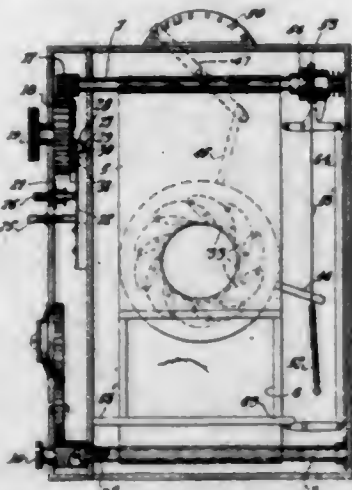
1. In an elastic suspension of two relatively movable members, the combination of a spring connected to one of said members, a freely swinging link flexibly attached, at opposite extremities, to the said spring and to the other member, and a second spring acting upon the said link to normally hold it in substantial axial alignment with the point of connection between the first spring and the first mentioned member.

1,512,513. ANIMAL TRAP. JAY WARD, Huron, Ohio. Filed Mar. 13, 1924. Serial No. 698,853. 21 Claims. (Cl. 43-73.)



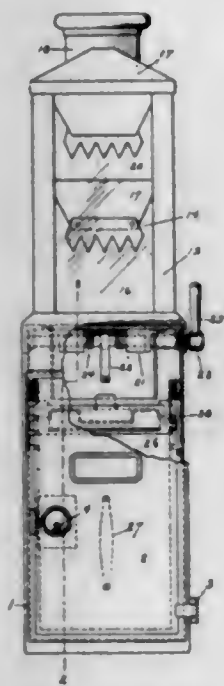
1. An animal trap including a carrier, a series of sets of jaws thereon, means for moving the carrier to bring the sets of jaws successively into operative position, and means for setting the jaws as they are brought into operative position.

1,512,514. CAMERA. HOWARD A. WHITESIDE, New York, N. Y. Filed Mar. 8, 1920. Serial No. 303,959. 34 Claims. (Cl. 95-57.)



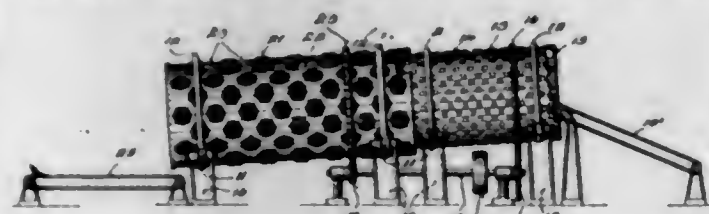
1. In an optical instrument, in combination, a lens for said instrument having a plurality of elements, a curtain shutter disposed between adjacent elements of said lens, winding mechanism for setting said shutter, a diaphragm also disposed between said lens elements, and means for closing said diaphragm when said shutter is being act.

1,512,515. FARE BOX. CHARLES H. WOODS, Decatur, Ill. Filed Aug. 7, 1922. Serial No. 580,103. 8 Claims. (Cl. 232-7.)



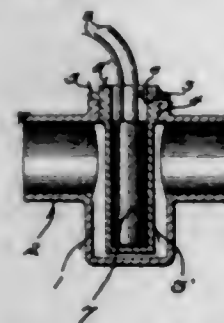
1. In a fare-box, in combination, a container, a till, a slidable closure for said till, grooved supporting rails secured to opposite side walls of the container, means on the till and its closure adapted to have a slidable relation with said grooved rails, and means on said rails to retard the movement of said closure as the till is withdrawn and until the closure assumes a locked position.

1,512,516. PAPER DUSTER. OTTO ALBERT, Milwaukee, Wis., assignor to Galland-Henning Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 20, 1921. Serial No. 523,665. 3 Claims. (Cl. 83-11.)



1. The combination of a plate drum, a shaft therein, means for rotating said drum, blades on said drum projecting inwardly to grip and lift a bale of paper on the rotation of said drum, means for rotating said shaft and members on said shaft extending outwardly to strike said bale on the rotation of said shaft, the ends of said members being spaced from said drum a considerable distance.

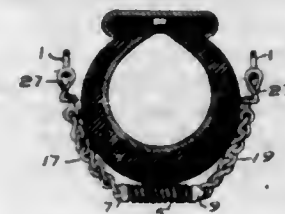
1,512,517. JACKET HEATER FOR INTERNAL-COMBUSTION ENGINES. JOHN ASTROM, Fort Wayne, Ind. Filed Jan. 27, 1922. Serial No. 532,157. 1 Claim. (Cl. 210-38.)



A water heater adapted for insertion in the cooling system of an internal combustion engine, said heater comprising a tubular body portion having inlet and outlet members adapted for connection to such cooling

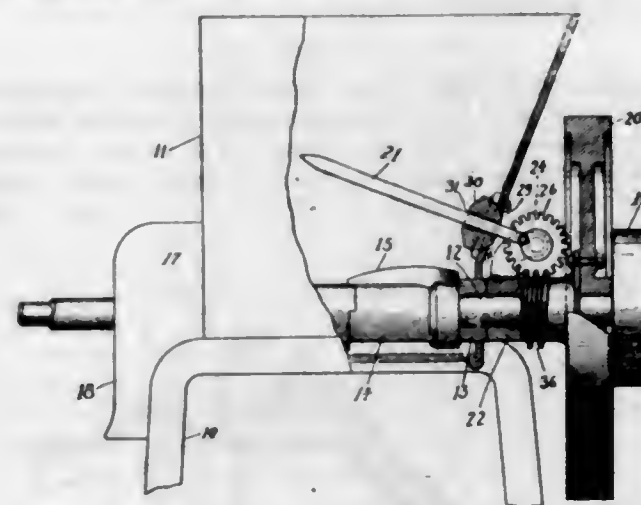
system, a pocket formed on one side of said body portion, a threaded aperture on the other side thereof aligning with said pocket, a tubular plug having a threaded portion adapted to cooperate with said threaded aperture and having a portion projecting transversely of said body portion and extending into the pocket of said body portion, and an electrical heating unit removably positioned within said tubular plug.

1,512,518. TRACTION DEVICE FOR TIRES. CHARLES S. BARRELL, Boston, Mass. Filed May 11, 1920. Serial No. 380,694. 12 Claims. (Cl. 152-14.)



3. A traction device for tires comprising a tread member of substantial length having a general rounded character adapting it in action to roll on the tire tread to distribute the wear thereon, said tread member having a tread surface formed to resist skidding, flexible members connected to the ends of said member and adapted for connection with holding devices at sides of the tire, each of said flexible members comprising links collectively so formed that corresponding portions of successive links occupy progressive angular positions giving the links an outer contour for rolling engagement with the tread of the tire, and swivel devices connected to the flexible members and adapted for connection with holding devices at the sides of the tire.

1,512,519. AGITATOR FOR FEED GRINDERS. WILLIAM L. BEALL, Chattanooga, Tenn., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 29, 1920. Serial No. 426,991. 7 Claims. (Cl. 250-39.)

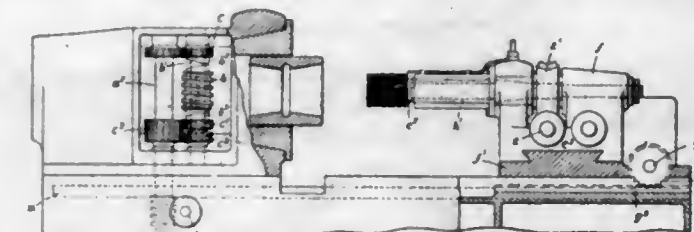


1. In a grinding mill, the combination of a hopper, a bearing mounted for oscillation in an opening in a wall of the hopper, an agitator mounted in the bearing and extending into the hopper, and means for oscillating and reciprocating the agitator to prevent bridging of the material in the hopper, the bearing being so arranged in the hopper wall that leakage is prevented.

1,512,520. MEANS FOR USE IN MACHINING TWO OPPOSITELY TAPERING SURFACES OF A WORK-PIECE AND IN SCREW THREADING SUCH SURFACES. LESLIE NEWMAN BURT and JAMES EDWARD FREEBORN, Westminster, England, assignors to The Richards Thread Milling Machine Company (1918) Limited, Westminster, England. Filed Dec. 4, 1922. Serial No. 604,850. 5 Claims. (Cl. 29-27.)

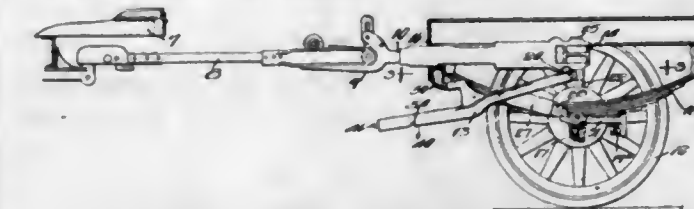
1. The herein described means for screw-threading two oppositely tapering surfaces of a work-piece at a single setting thereof, such means comprising a hob mounted

on a revolving spindle, a chuck adapted to mount the work-piece at an angle oblique to the axis of the hob, means for feeding the hob laterally according to the depth of the cut required, and means for adjusting the



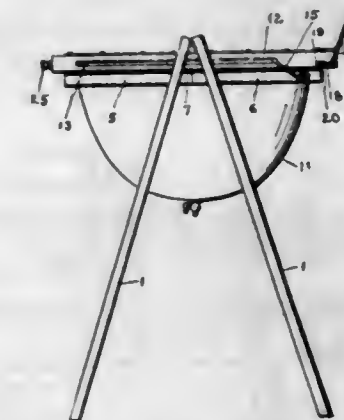
hob lengthwise from a position opposite one of the tapering surfaces to a position opposite the other tapering surface, but neither the hob nor the work-piece partaking of any axial movement during the cutting operation.

1,512,521. TRAILER TRUCK. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed Oct. 11, 1919. Serial No. 329,978. Renewed Sept. 6, 1924. 8 Claims. (Cl. 280-33.5.)



1. A trailer truck comprising the combination of a running gear including individually swivelled steering wheels, a draw bar pivotally mounted on the running gear to swing horizontally, a steering lever having a universal mounting on the running gear so as to be capable of swinging movement with the draw bar or up and down with relation thereto, a steering connection between said lever and said wheels, two locking elements mounted respectively on said draw bar and on the fixed part of the running gear in different positions of elevation, and a single manually operated locking device carried by said steering lever and arranged to cooperate selectively with said two locking elements when the steering lever is in different positions of elevation for locking said steering lever either to the draw bar or to the fixed part of the running gear, or permitting the operator to manually swing said lever and the wheels independently of the draw bar.

1,512,522. COMBINATION DRESSING TABLE AND BATHTUB. WALTER M. COLBURN, Rochester, N. Y. Filed Feb. 9, 1924. Serial No. 691,803. 3 Claims. (Cl. 4-177.)



1. In a combination dressing table and bath tub the combination of a frame comprising a pair of triangular end frames having its legs hinged together at the top, a rectangular frame comprising a pair of rectangular sections hinged together, each being pivotally supported be-

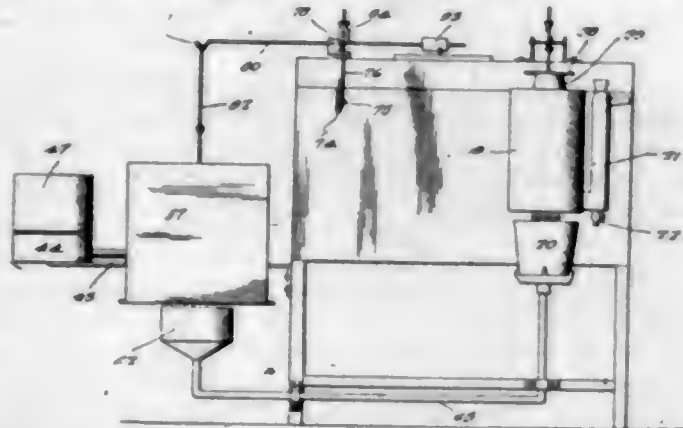
tween two of the legs of the triangular end frames, a folding bath tub supported from the sections of said rectangular frame, and a dressing table adapted to swing over the top of said rectangular frame to cover said bath tub.

1,512,523. MILK-CAN VENTILATOR. WALLACE W. CRANER, Buhl, Idaho. Filed Nov. 11, 1922. Serial No. 600,326. 3 Claims. (Cl. 220-44.)



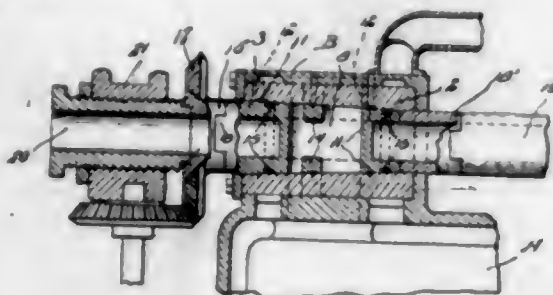
1. An improved article of manufacture, a ventilator and strainer for milk cans comprising a rim which is bent upon itself to provide a recess in which is seated the margin of a foraminous metallic disk, the bends also forming an inwardly extending shoulder beyond which the rim is flared and a handle which traverses the disk, the same having laterally projecting end portions which are seated in the recess and overlie the disk substantially as shown, for use with a milk can having a flared mouth.

1,512,524. INCUBATOR. GEORGE DANNENBERG, Hubbard, Iowa. Filed Dec. 11, 1923. Serial No. 679,949. 1 Claim. (Cl. 237-4.)



In an incubator of the character described, a casing, a heating system for the interior of the casing and including a steam pipe disposed within the casing, a water tank communicating with the steam pipe, an oil burner supported beneath said water tank, an oil supply for the burner, automatic means for controlling the amount of steam generated, said means comprising a temperature controlled oil feed for the oil burner and a temperature controlled heat regulating device for regulating the degree of heat to which the water tank is subjected.

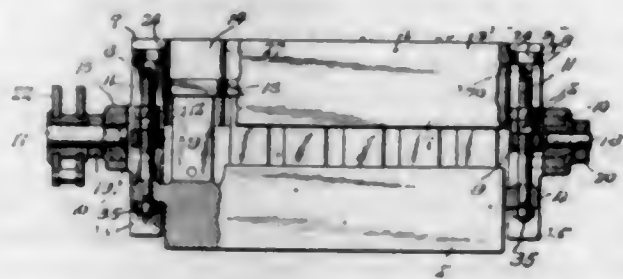
1,512,525. VALVE FOR INTERNAL-COMBUSTION ENGINES. GEORGE W. DAVIS, Baltimore, Md. Filed Jan. 25, 1921. Serial No. 439,830. 1 Claim. (Cl. 123-59.)



A rotary valve for an internal combustion engine comprising a casing having inlet and exhaust ports therein, a valve seat arranged in the casing and spaced therefrom to form a water receiving space, said seat having

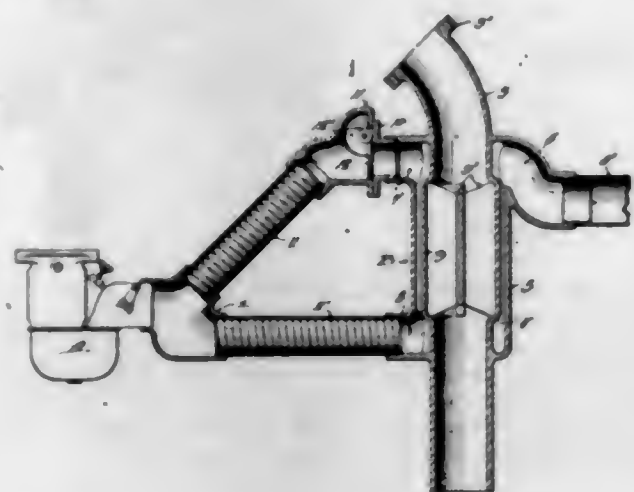
inlet and exhaust ports which register with the ports in the casing, and said seat and casing each having an auxiliary exhaust port, a tapered valve sleeve engaging the seat and having a transverse passage therein for co-operating with the ports, said passage being wider than the wall which separates the auxiliary exhaust port from the main exhaust port, the walls of said transverse passage leaving a space between themselves and the outer wall of the sleeve for the passage of a cooling medium, means for supplying lubricant between the sleeve and seat, such means including bridge pieces in the ports and passages and grooves in the casing walls and in the valve seat, portions of which are formed in the bridge pieces, a hollow screw shaft, a screw threaded support for the same, means for rotating the valve sleeve, such means including a gear clutchingly coupled to the sleeve and engaged by the hollow shaft, said hollow shaft holding said gear clutched with the sleeve, said gear having a bore which is in alignment with the bore of the sleeve and the hollow shaft.

1,512,526. MOLD. ROY P. M. DAVIS, Mount Union, Pa. Filed Oct. 4, 1922. Serial No. 592,224. 5 Claims. (Cl. 25-41.)



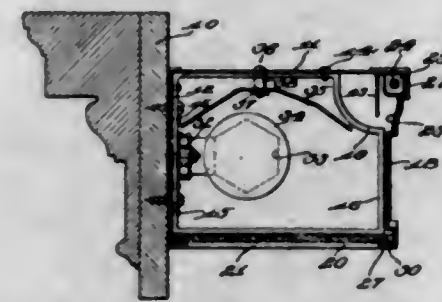
2. In a brick making machine, mold supporting members, a two part mold comprising a base section and an open ended reversible upper mold section, both of said sections being supported by said supporting members, and means for adjusting the upper section relatively to the said supporting members.

1,512,527. DEVICE FOR REGULATING TEMPERATURE OF AIR IN CARBURETORS. HENRY N. EDENS, New Holstein, Wis., assignor to The John Lauson Manufacturing Company, New Holstein, Wis. Filed Sept. 9, 1918. Serial No. 253,344. 4 Claims. (Cl. 123-122.)



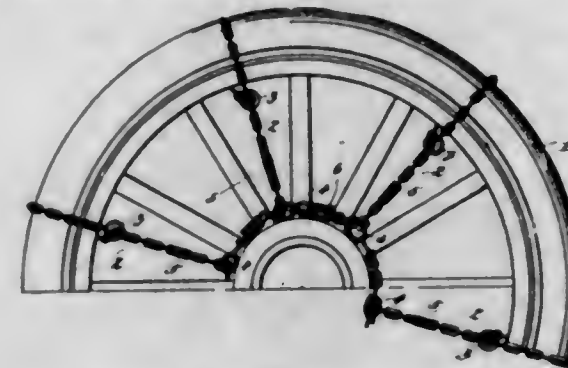
1. In combination with a carburetor, a device of the class described comprising a chamber provided with an inlet and a pair of outlet ports, heating means positioned within said chamber, conduits connecting the carburetor and said outlet ports to form a pair of air passages, one of said conduits being disposed in more intimate contact with said heating means than the other of said conduits and automatically actuated means for controlling the relative flow of air through the air passages to the carburetor.

1,512,528. ILLUMINATING DEVICE. LEONARD ERIKSON, Malden, Mass. Filed Jan. 8, 1923. Serial No. 611,389. 2 Claims. (Cl. 240-6.)



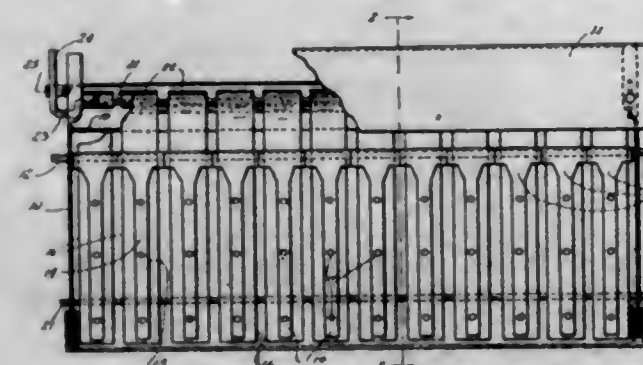
1. An illuminating device comprising a longitudinal casing having an open bottom, a longitudinally extending reflector within said casing, a lamp supported within said casing and located beneath said reflector, a diffusing screen slidably arranged in the bottom of said casing and across the opening thereof, means pivotally connecting the rear wall of said casing to the top thereof, the lower end of said rear wall when in normal position being opposite the rearward end of said screen, and means for locking said rear wall in normal position.

1,512,529. ANTISKID DEVICE. JONATHAN O. FOWLER, New York, N. Y. Filed Oct. 12, 1920. Serial No. 416,560. 22 Claims. (Cl. 152-14.)



12. In a device of the class described, a plurality of detachable chain sections for vehicle wheels having tread portions and each adapted to form a loop around the tire and then extending inwardly in a radial direction toward the hub, the inner ends of the several chain sections being connected and turned circumferentially to collectively form a ring around and adjacent to the hub, whereby the said radial portions will loosely hold the loops to the tire in operative position, and whereby upon one of the chain sections becoming worn through at its tread portion it will not release the adjacent chain section but will be retained in position to permit a new chain section to be substituted for the worn one.

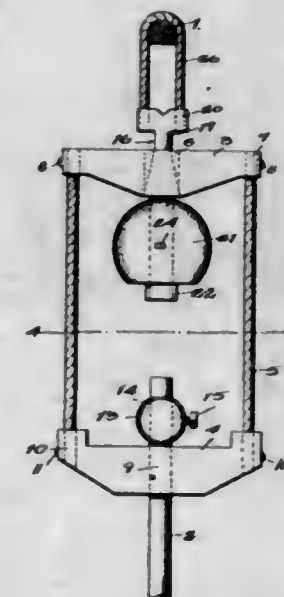
1,512,530. CHICKEN-DELOUSING APPARATUS. ALBERT G. FRANSEN, Chicago, Ill. Filed May 18, 1922. Serial No. 561,807. 9 Claims. (Cl. 119-157.)



1. A fowl delousing apparatus, comprising a plurality of inflexible movable members; flexible absorbent means mounted on said members, adapted to contain insecticide,

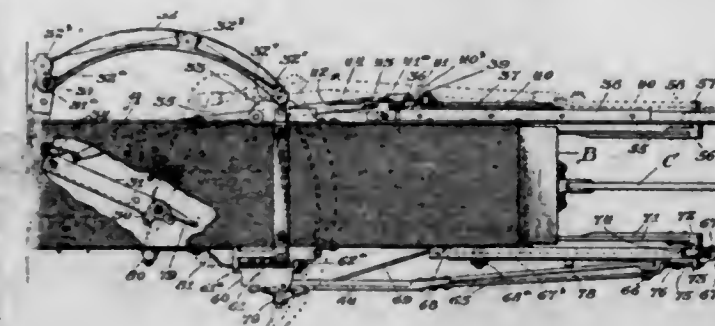
said members being spaced for fowls to pass between and brush against said means during passage therepast; and absorbent elongations on said absorbent means in communication with a supply of insecticide.

1,512,531. COUPLING FOR WELL RODS. WALTER D. GILES, Leesville, La. Filed Apr. 3, 1923. Serial No. 629,045. 2 Claims. (Cl. 253-18.)



1. A device of the class described including an upper bar and a lower bar, flexible means connecting the upper bar with the lower bar, means for engaging the lower bar with a polished rod, a stud loosely mounted in the upper rod, a cable attached to the stud and adapted to overhang a walking beam.

1,512,532. TYING MECHANISM FOR BALING PRESSES. ALBERT GRIEVES, Springfield, Ohio, assignor to International Harvester Company, a Corporation of New Jersey. Filed July 23, 1920. Serial No. 398,419. 14 Claims. (Cl. 100-20.)

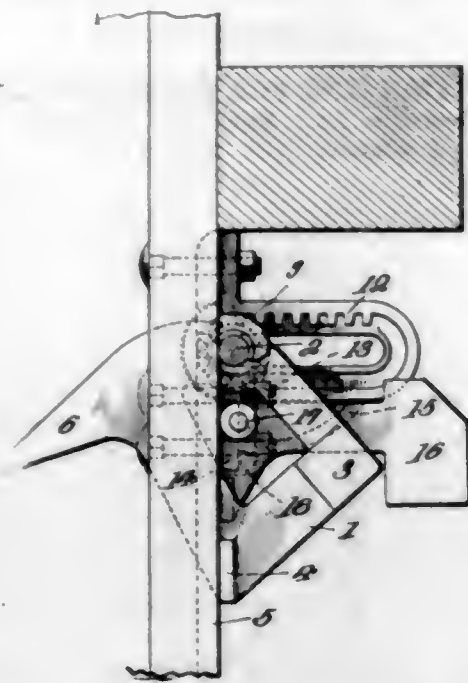


1. In a baling press, the combination of means for encircling a bale with a tie wire, tying mechanism for uniting the ends of the wire, means for bending the tied ends back towards the bale, and means for pressing said ends into the bale.

1,512,533. COTTON-PRESS DOG. THADDEUS S. GRIMES, Columbus, Ga., assignor to Lummus Cotton Gin Company, Columbus, Ga., a Corporation of Georgia. Filed June 12, 1922. Serial No. 567,724. 10 Claims. (Cl. 100-30.)

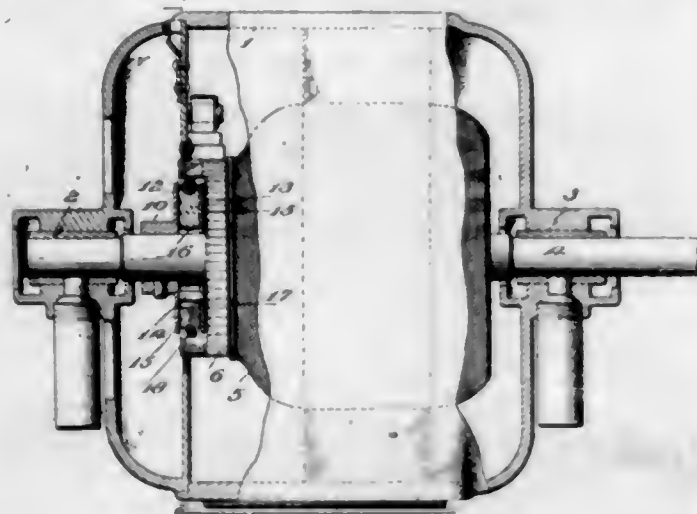
1. A cotton press dog comprising a pivoted member mounted to normally project into a cotton press and

adapted for movement bodily therefrom, means tending to hold said dog in operative position, and releasing means for said aforementioned means responsive to a



predetermined pressure from within said press whereby said dog will be permitted to move bodily out of effective position.

1,512,534. SHORT-CIRCUITING DEVICE FOR ALTERNATING-CURRENT MOTORS. J. LEE HADLEY and HERMAN G. REIBEL, Warren, Ohio, assignors to The Peerless Electric Company, Warren, Ohio, a Corporation of Ohio. Filed Mar. 28, 1921. Serial No. 456,412. 7 Claims. (Cl. 172-120.)

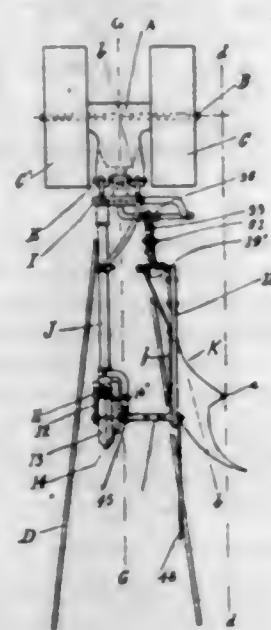


3. A short circuiting device for electric motors including, in combination with a commutator, radially movable segmental weights, each of said weights having its arcuate periphery grooved, a tension member encircling said weights and fitting within said grooves, such member tending to restrain centrifugal movement of said weights, and adapted to engage said commutator when said weights are moved under centrifugal influence.

1,512,535. ANTI-SIDE-DRAFT PLOW. PAUL HANSMANN and HERMAN STRACK, Long Prairie, Minn., assignors, by mesne assignments, to The Universal Tillage Corporation, a Corporation of Delaware. Filed Feb. 14, 1921. Serial No. 444,950. 7 Claims. (Cl. 97-47.)

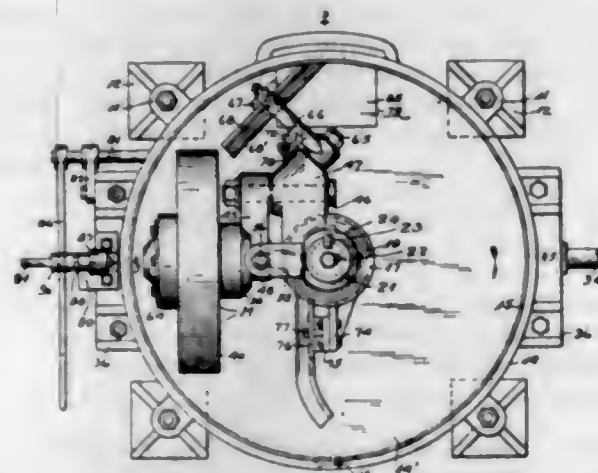
1. A plow hitch for use in connection with a wheeled frame, a draw head adapted to be attached to the wheeled frame, a plow, the share thereof being spaced from the center of draft of the wheeled frame to plow

outside the path of the latter, a rearwardly extending ground element attached to said draw head at a position spaced from the center of draft of the wheeled frame in a direction opposite to that of the plow, means for pivotally connecting the plow to said draw head, the ground



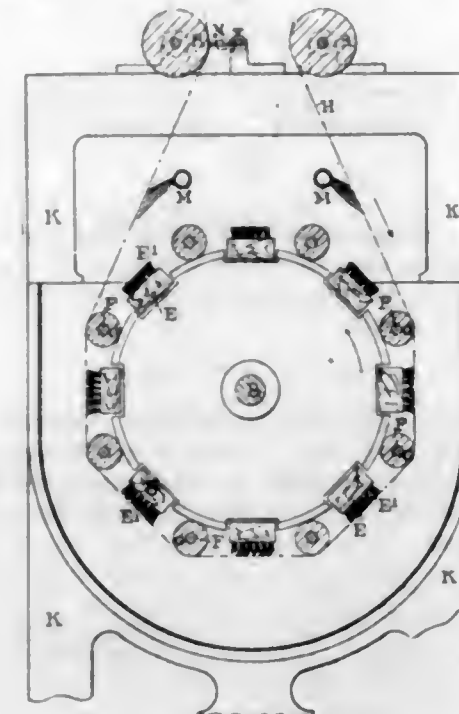
engaging part of said ground element loosely contacting with said plow and having a ground cutting edge adapted to cut into the ground at such an angle as to be thereby forced in the direction of the plow in the process of plowing.

1,512,536. FOUNDRY MIXER. THOMAS A. HIBBINS, Wellsville, Ohio, assignor to The Stevenson Company, Wellsville, Ohio, a Corporation of Ohio. Filed Mar. 26, 1924. Serial No. 701,967. 10 Claims. (Cl. 83-45.)



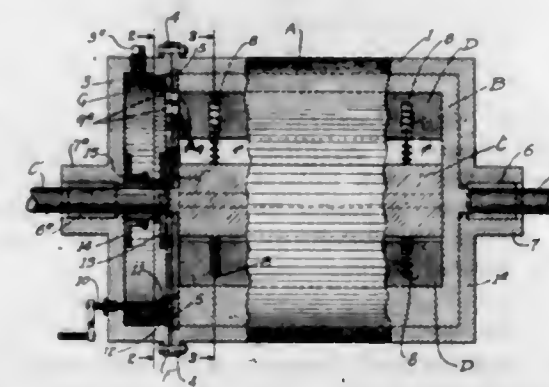
1. In a mixer of the class described, the combination of a container for materials to be mixed, a vertical bearing extending axially in said container, a propulsion head journaled on top of said bearing, a driving shaft secured to said head and journaled in said bearing, driving mechanism connected with the lower end of said driving shaft, a propulsion spoke extending laterally from said head, an arm hinged at its outer end to the outer end of said spoke and extending toward said head, a stub shaft extending laterally from the inner end of said arm, a muller journaled on said stub shaft, a suspension bracket on said head, and a suspension rod extending from said bracket and having adjustable supporting engagement with the inner end of said arm whereby the working pressure of said muller may be adjusted.

1,512,537. MACHINE FOR WASHING THE BLANKETS OF PRINTING MACHINES. THOMAS HINDLE, Glossop, and ARTHUR EDWIN BIRCH, Dinting, England. Filed Sept. 26, 1922. Serial No. 590,706. 2 Claims. (Cl. 8-16.)



1. A machine for washing the blankets of calico and other printing machines comprising a trough shaped vessel, a central shaft rotating therein, a plurality of brushes disposed around the shaft, adjustable bearing brackets carrying said brushes, means mounted on the shaft for carrying the brackets and guide rollers arranged between the brushes.

1,512,538. COMBINED HYDRAULIC CLUTCH AND TRANSMISSION MECHANISM. ARTHUR E. HOLBROOK, Joplin, Mo. Filed July 17, 1922. Serial No. 575,513. 7 Claims. (Cl. 192-55.)

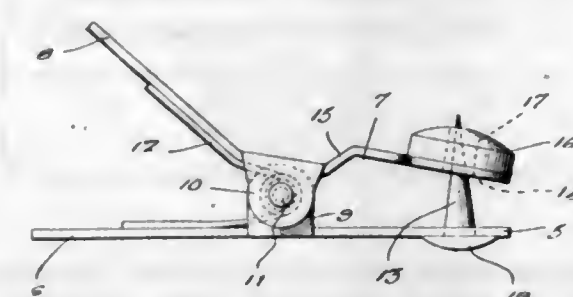


3. An apparatus of the character described, comprising a cylindrical driving member and a cylindrical driven member arranged one within the other in concentric relation, a recess in the inner surface of the outer member of substantially hyperbolic form adapted to contain a hydraulic medium, a device on the inner member projecting radially therefrom and adapted to enter said recess and means for causing said hydraulic medium to enter one end of said recess and either be trapped therein or caused to escape in the reverse direction from said recess.

1,512,539. TRAY HOLDER. WESLEY BERNELL HOLTON, Selma, Calif. Filed Feb. 12, 1924. Serial No. 692,315. 5 Claims. (Cl. 24-253.)

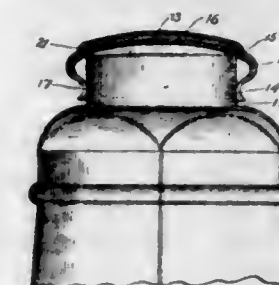
4. As an article of manufacture, a tray holder for grape pickers comprising a base plate and an upper plate pivotally connected intermediate their ends, each

of said plates embodying a jaw and a jaw lever, a spur rigidly carried by and projecting upwardly from the free end portion of the base jaw, the jaw of the upper plate having an opening through which said spur projects, a spring for normally swinging the plates relative to each other to move the jaws toward each other, and



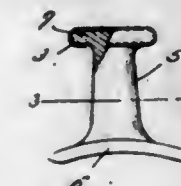
thumb pieces respectively secured to the jaws upon the upper surface of the upper jaw and against the under surface of the base plate jaw, the thumb piece of the upper jaw having a central opening registered with the opening of the upper jaw and adapted to permit the passage of the spur therethrough.

1,512,540. SIFTER CAP. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 24, 1921. Serial No. 455,097. 3 Claims. (Cl. 221-61.)



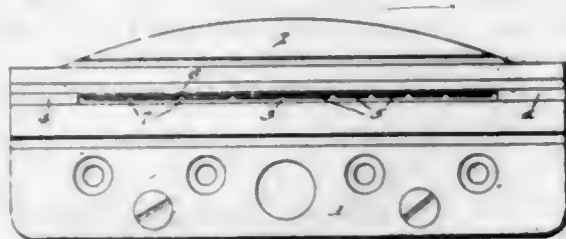
1. In a sifter can for talcum powder and the like the combination of a body having a straight-walled neck formed with a perforated sifter top, a cap conforming with said top and bulged out at the sides of the neck and thence bent inward, downward and outward to form a rounded bearing on the wall of the neck, and a gasket compressed between the cap and said top and extended outward past the top corner of the neck, said top being formed with an indentation or groove 15' extending around the top of the cap opposite to said corner of the neck and between which and said corner the gasket is confined.

1,512,541. COLLAR BUTTON. CLIFFORD HOWARD, Sturgis, Mich. Filed Sept. 17, 1923. Serial No. 663,162. 1 Claim. (Cl. 24-101.)



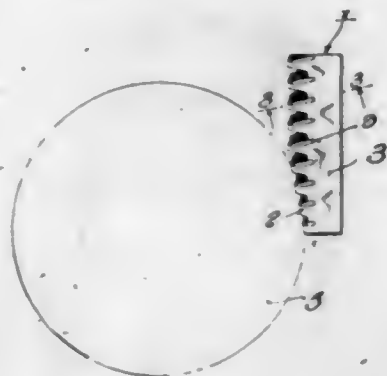
A collar button comprising a body composed of base, shank, and head portions, said body being formed from a relatively resilient material, the head portion being circular, a sheet of relatively rigid material applied over the head portion and carried around the edge thereof and bearing directly against the under surface thereof, the shank portion being substantially elliptical in transverse section, the base portion being curved longitudinally in the direction of the longer axis of the ellipse describing the configuration of the shank portion.

1,512,542. LINER. WILLIAM T. IVINS, Hamilton, Ohio. Filed Sept. 30, 1922. Serial No. 591,592. 1 Claim. (Cl. 199—58.)



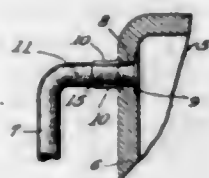
A slug producing liner of the character described comprising an integral elongated strip, thickened ends formed on the strip and being provided with notches extending from one side edge and terminating beyond the middle thereof, a plurality of projections of varied widths arranged between the thickened ends and being separated through the medium of transverse grooves, and said projections forming straight side walls for the grooves and thereby providing corresponding ribs upon the slugs as and for the purpose specified.

1,512,543. GEAR CUTTER. FRANK W. JURY, Milwaukee, Wis. Filed Nov. 9, 1922. Serial No. 599,799. 8 Claims. (Cl. 29—95.)



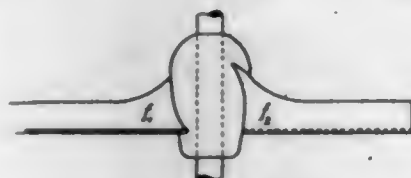
1. A gear cutter comprising a plurality of cutting teeth of gradually increasing height, with the cutting edges of all of said teeth lying in the same plane.

1,512,544. WATCHCASE. EDWARD KALWIT, Brooklyn, N. Y., assignor to Belove Watch Case Co., New York, N. Y., a Corporation of New York. Filed Feb. 8, 1924. Serial No. 691,343. 6 Claims. (Cl. 58—88.)



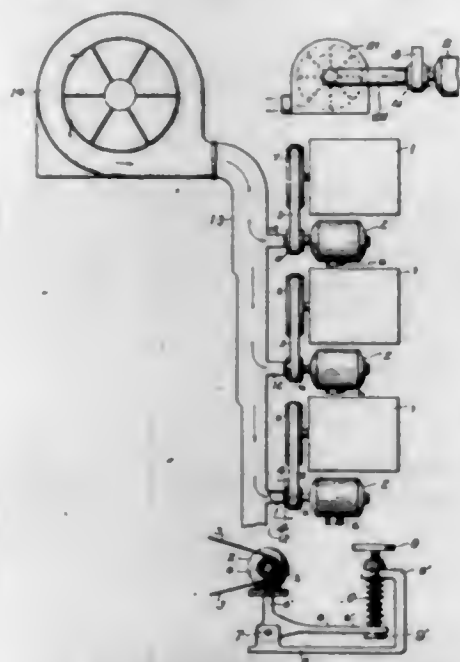
1. In combination, a watch case having openings in the side of the same and a strap loop having its ends passed through said openings and flattened down into holding engagement with the inside of the case, said loop further having integral enlargements providing shoulders engaging the outside of the case and said shoulders and said flattened ends respectively being forced into the outer and into the inner surface of the case, whereby said loop is braced and rigidly held by integral portions both inside and outside the case and which are embedded in the material of the case.

1,512,545. RUNNER WHEEL FOR TURBINES, ETC. VIKTOR KAPLAN, Brunn, Czechoslovakia. Filed Sept. 1, 1921. Serial No. 497,747. 3 Claims. (Cl. 253—141.)



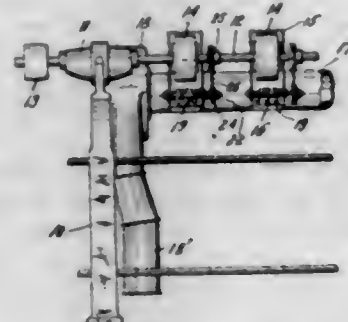
1. Runner wheel for turbines and the like comprising blades the mean area of all of which is not greater than one-third of the circular area determined by the diameter of the runner wheel.

1,512,546. PULLEY-VENTILATING MEANS. AUSTIN KIMBLE, Wausau, Wis., assignor to Marathon Electric Mfg. Co., Wausau, Wis., a Corporation of Wisconsin. Filed Mar. 6, 1922. Serial No. 541,550. 2 Claims. (Cl. 64—43.)



1. A power plant comprising a plurality of motor driven belt connected machines arranged and adapted for slippage at the motor pulleys at predetermined loads, in combination with a source of draft pressure and distributing nozzles arranged to discharge air endwise through the several slippage pulleys.

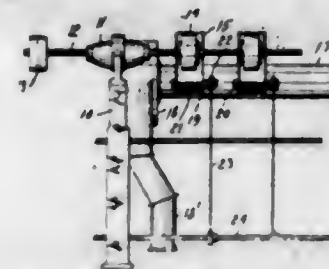
1,512,547. ABRADING MACHINE. BENJAMIN W. KLEIN, New York, N. Y. Filed June 19, 1923. Serial No. 646,388. 2 Claims. (Cl. 51—273.)



1. An abrading machine including a rotary shaft, an abrading wheel thereon, a housing partly enclosing said wheel having its bottom disposed a substantial distance below said wheel, air current producing means connected with said housing acting constantly on said wheel, and

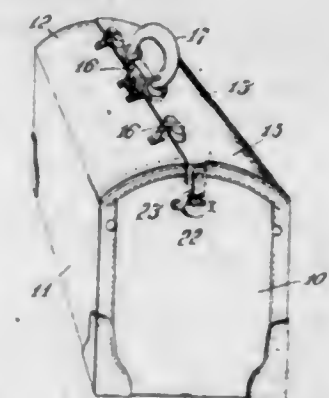
scraping means within said housing in operative relation to said bottom for removing from the inner face of said bottom particles of the grinder or work thrown off during the abrading operation and thereby aiding said current producing means in collecting said particles.

1,512,548. ABRADING MACHINE. BENJAMIN W. KLEIN, New York, N. Y. Filed Jan. 5, 1924. Serial No. 684,562. 2 Claims. (Cl. 51—273.)



1. An abrading machine including a rotary shaft, an abrading wheel thereon, a housing partly enclosing said wheel having its bottom disposed at a substantial distance below said wheel, air current producing means connected with said housing acting constantly on said abrading wheel, a second rotary shaft journaled in said housing below said first-mentioned shaft, and flexible means on said second-mentioned shaft for removing from the inner face of said housing particles of the grinder or work thrown off during the abrading operation.

1,512,549. CABIN BAG. HARRY H. LABADIE, BURTON B. BEERS, and THEODORE A. KRUEGER, Chicago, Ill.; said Beers and said Krueger assignors to Knickerbocker Case Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 11, 1922. Serial No. 587,572. 5 Claims. (Cl. 193—48.)

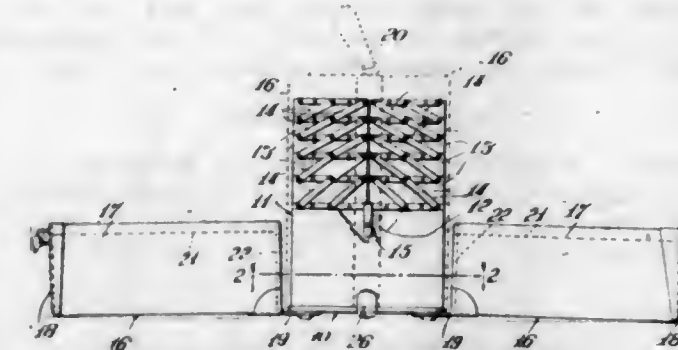


1. A cabin bag comprising a non-metallic body portion having oppositely disposed ends and sides, and flaps of the same material hingedly secured along the sides of the body and adapted to fold downwardly over the ends of the body with one flap overlapping the other, a reinforcing metal bar secured along the free edge of the overlapping flap and having downturned edges adapted to enclose the free edges of the other flap, and latching means carried by the flaps for securing the flaps together.

1,512,550. BAG. HARRY H. LABADIE, BURTON B. BEERS, and THEODORE A. KRUEGER, Chicago, Ill.; said Beers and said Krueger assignors to Knickerbocker Case Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 23, 1923. Serial No. 615,585. 6 Claims. (Cl. 190—17.)

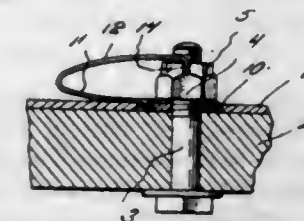
1. In a bag, the combination of a bottom board, casing sections each comprising a side portion hingedly connected along one side of the bottom board, and end and top portions secured about three edges of the side portion, the end portions of the casing sections being adapted to embrace the ends of the bottom board which

is notched to receive them one within the other, means for latching the casing sections together in closing position, and clips mounted on the board and extending outwardly from the ends thereof adapted to hold the free



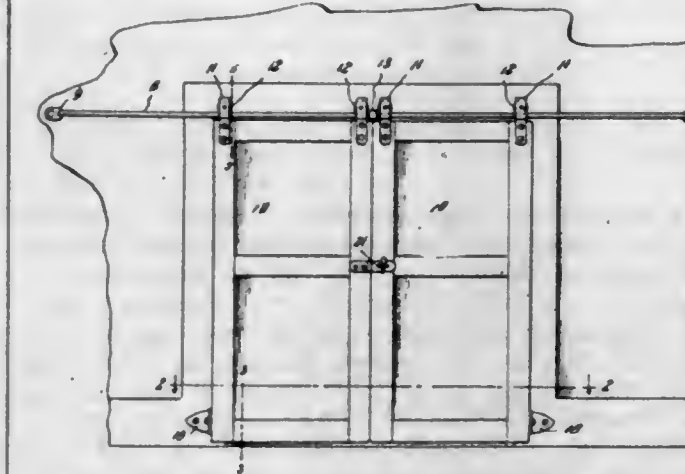
lower edges of the end portions of the casing sections in snug engagement with the ends of the bottom board when the casing sections are swung upwardly into closing position.

1,512,551. LOCK WASHER. HERSCHEL V. McDONALD, Taylorville, Ill. Filed Mar. 19, 1924. Serial No. 700,327. 1 Claim. (Cl. 151—53.)



A lock washer, comprising a strip, having one end forming a base portion provided with an aperture adapted to fit over a bolt, said base portion being provided with a pair of laterally projecting tongues for seating in a plate to prevent rotation of the washer, the remaining portion of the strip forming a resilient arm and having a return bend formed with a bifurcated end portion having the terminals extended laterally thereto and normally directed toward the base portion by the resiliency of the return bend and the arm, extension, whereby when the washer is positioned on the bolt and the nut threaded on said bolt having cotter pin slots, the terminals on said return bend will engage said slots for locking the bolt against rotation.

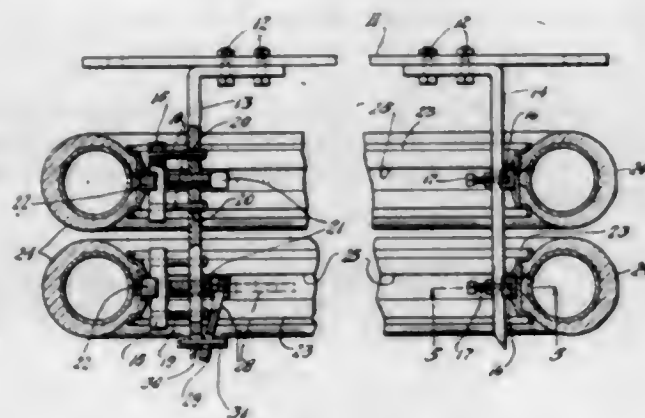
1,512,552. HANGER FOR SLIDING DOORS. PENNY S. McMILLON, Quinlan, Tex. Filed July 3, 1923. Serial No. 649,278. 1 Claim. (Cl. 16—97.)



In combination with a body having a door opening, a track rail disposed transversely and above the door opening, door panels having carriages adapted to travel upon said rail, bracket plates mounted at the sides of the panels and at the inner edges thereof and having

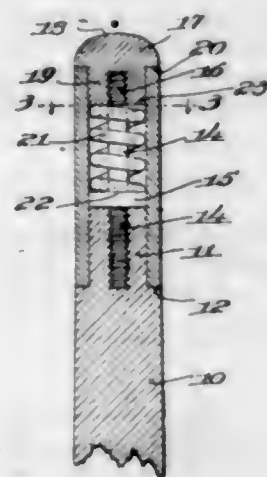
eyes aligned with each other, bracket plates mounted upon the body at the side edges of the door opening and provided upon their outer sides with vertically disposed loops and a bar fitting snugly in the eyes of the bracket plates and having end portions adapted to enter the loops whereby the door panels and the rods may move vertically with relation to the body but are restrained against outward movement with relation to the body.

1,512,553. TIRE CARRIER. EDWARD MACH, Chicago, Ill., assignor of one-half to Stevens B. Frank, Chicago, Ill. Filed May 7, 1923. Serial No. 637,067. 2 Claims. (Cl. 224-29.)



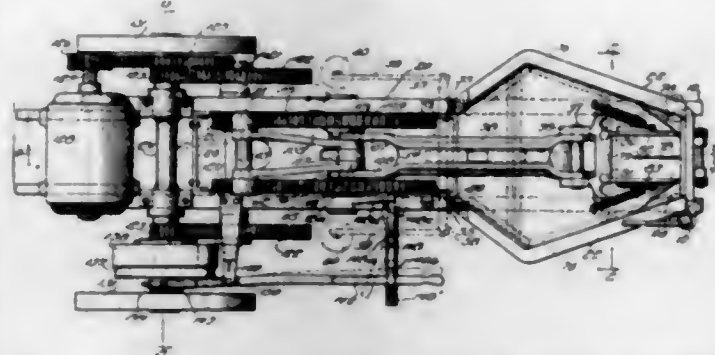
1. A device of the character described including supporting arms; a plurality of sets of elements mounted on said arms, one of said elements being provided with guide pins slidably mounted in said arms; threaded means for moving said element; a lever mounted on said threaded means for moving the same to adjust said element; and means for locking said lever against its adjacent arm to hold said element in adjusted position.

1,512,554. POOL OR BILLIARD CUE. JOHN MAGONO, Boston, Mass. Filed Sept. 12, 1922. Serial No. 587,818. 1 Claim. (Cl. 46-9.)



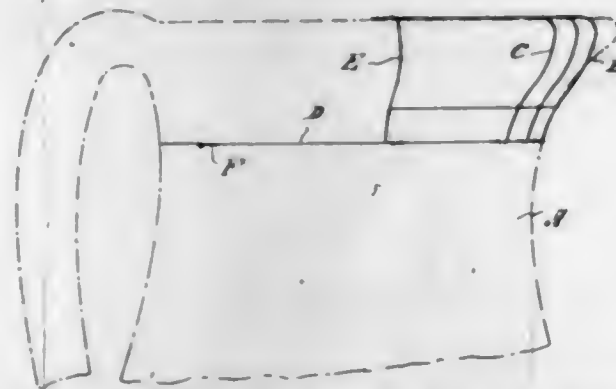
In a cue of the class described, a shaft; a ferrule at the end thereof adapted to support a tip, said ferrule also forming a chamber at the end of said shaft; a shoulder tip, portions of which are normally under slight compression and adapted to be supported by said ferrule and having an extension adapted to enter said chamber and occupy a portion thereof; a stud having screw threaded ends one of which engages the end of said shaft, the other engaging the said tip, said stud having a collar thereon contacting with the end of said shaft; and a spring in said chamber and interposed between said collar and said tip and normally under slight compression, whereby shock imparted to said tip by ball impact will be transmitted to and absorbed by said spring.

1,512,555. BALING PRESS. FREDERICK G. MANUEL and OSCAR L. REEVES, Chicago, Ill.; said Reeves assignor to said Manuel. Filed June 28, 1919. Serial No. 307,285. Renewed Mar. 20, 1924. 10 Claims. (Cl. 100-9.)



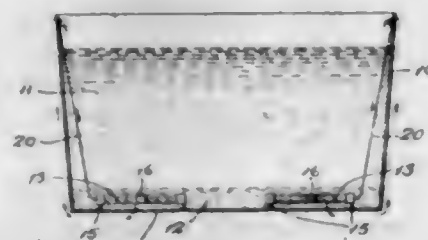
2. A press having in combination a frame providing a compression chamber open at its top and at one end and having side walls converging toward the end opening; a plunger movable in said chamber; a pair of forwardly projecting wings hinged to said plunger, having their outer vertical edges bearing on the converging side walls of the chamber; means to yieldingly hold said wings in contact with said walls; means to reciprocate the plunger within the chamber; a door to close the chamber end-opening in said frame and a cover to close the top opening and a latch to hold the door and cover closed.

1,512,556. ICE RETAINER. JANNETTE MILLER, Eau Claire, Wis. Filed Sept. 11, 1922. Serial No. 587,544. 3 Claims. (Cl. 65-31.)



1. An ice retainer for pitchers and like containers, including an encircling strand adapted to encircle the exterior of the pitcher, an arched strand extending transversely across the pitcher and having the ends thereof connected to the encircling strand, and an ice retaining mesh extending around the pouring mouth of the pitcher and connecting the arched strand and the encircling strand.

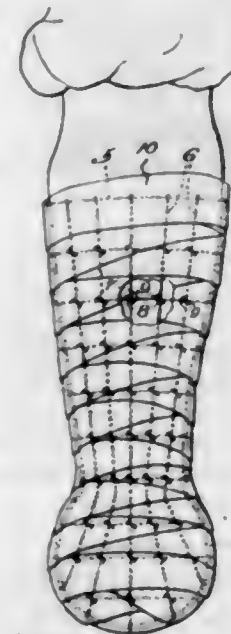
1,512,557. METHOD OF AND APPARATUS FOR PROTECTING METAL TANKS AGAINST CORROSION. RONALD VAN AUKEN MILLS, Sandy Spring, Md., assignor to Peter Q. Nyce, Washington, D. C. Filed June 16, 1924. Serial No. 720,379. 9 Claims. (Cl. 204-25.)



1. A method of protecting metal tanks against the action of corrosive liquids, which consists in immersing in said liquid a metal plate which is electropositive with

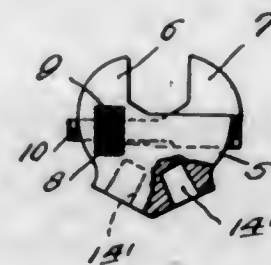
respect to the tank, the flat surface of said plate being in close proximity to said tank, but spaced therefrom by means of suitable insulators interposed between the tank and said flat surface, whereby short circuiting between said plate and tank is prevented, said plate being electrically connected to said tank by means of suitable conductors, whereby an electrical circuit is completed.

1,512,558. SURGICAL SPLINT. WILLIAM J. MONTGOMERY, Montgomery, Ala. Filed Mar. 13, 1922. Serial No. 543,311. 2 Claims. (Cl. 128-89.)



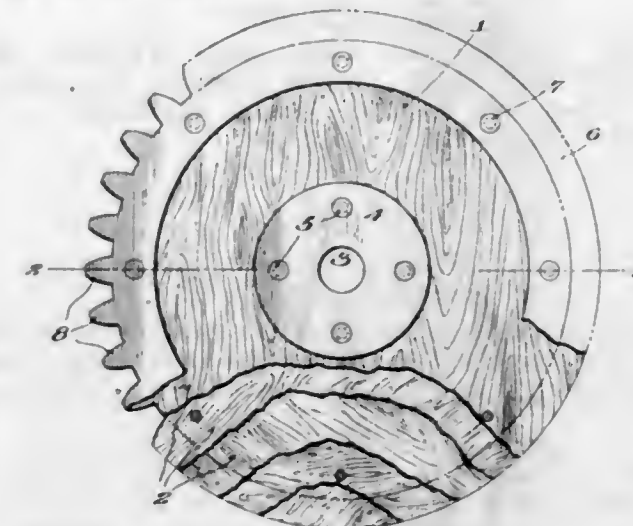
1. A splint comprising a mesh body having longitudinal and transverse mesh forming members, and wire members having their central portions encircling the mesh forming members and their free ends projecting outwardly beyond the body on one side thereof for piercing and holding a bandage wrapped about the splint.

1,512,559. ADJUSTABLE JAW WRENCH. CHESTER J. MOORE, Erie, Pa. Filed Jan. 7, 1924. Serial No. 684,811. 1 Claim. (Cl. 81-165.)



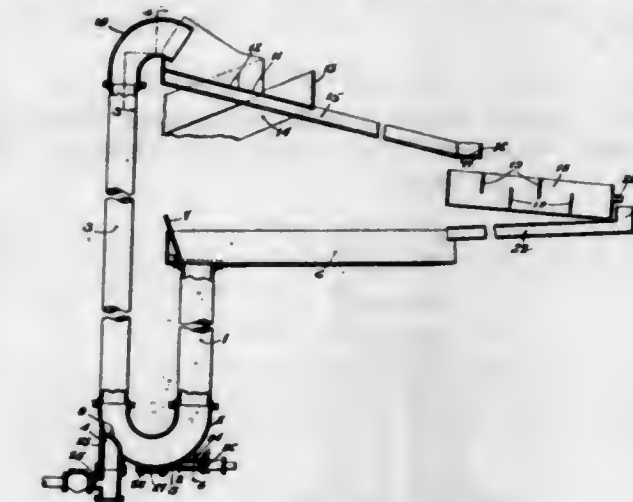
In an adjustable jaw wrench of the character described, a flat wrench head having a rigid jaw upon its outer end and adjacent one side of the same, and provided with a transversely slidable adjustable jaw upon its outer end in cooperative relation to the rigid jaw, means for manually adjusting said adjustable slidable jaw, a handle adapted for rigid association and attachment to the wrench head at the rear end of the latter, said handle comprising parallel end portions connected by a laterally extending intermediate portion, said wrench head having a pair of sockets in the inner end thereof, said sockets extending substantially longitudinally of the wrench head but at rearwardly diverging relation to each other and adapted for selective snug reception of the inner end of the handle.

1,512,560. GEAR WHEEL. WILLIAM E. MOORE, Beaver Falls, Pa., assignor to Pittsburgh Research Corporation, a Corporation of Delaware. Filed Oct. 27, 1920. Serial No. 419,920. 5 Claims. (Cl. 74-28.)



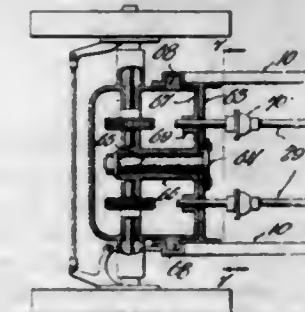
1. The process of producing a gear blank comprising superimposing thin layers of wood, placing a cement between said layers, applying sufficient pressure to change the thickness of said layers to approximately twenty-five per cent of the original thickness of the layers and to force said cement into the pores of the wood and of said layers and continuing said pressure until the cement "sets."

1,512,561. AIR LIFTING AND CLEANING SYSTEM. JOHN OLIPHANT, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 7, 1918. Serial No. 248,798. 14 Claims. (Cl. 146-194.)



1. In a cleansing system, air lift means for maintaining a continuous liquid cleansing circuit, and means for separating the cleaned objects and sediment therefrom.

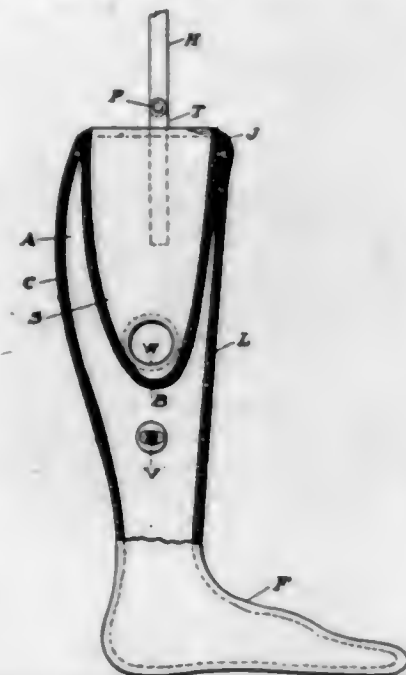
1,512,562. TRACTOR. LEONARD RADIES, Big Falls, Wis. Filed Dec. 27, 1920. Serial No. 433,335. 1 Claim. (Cl. 180-45.)



A tractor comprising a frame, an axle housing at each end of the frame, a two part axle in each housing, a traction wheel having driving connection with each axle,

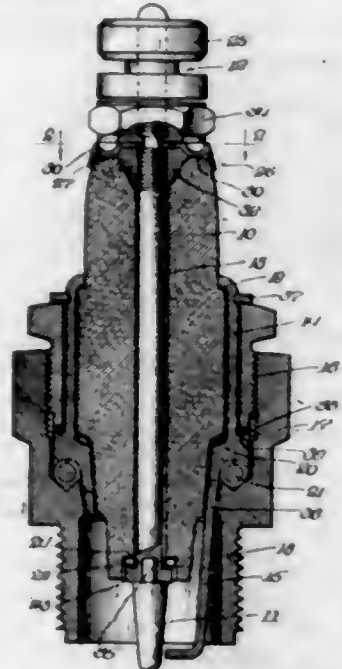
the axle housing at one end of the frame being pivoted to said frame to swing on a longitudinal axis, and a drive shaft at each side of said pivot having driving connection with the axle on that side.

1,512,563. ARTIFICIAL LIMB AND METHOD OF MAKING THE SAME. ALBERT ROBERTS, Washington, Pa. Filed July 3, 1920. Serial No. 393,911. 16 Claims. (Cl. 3-8.)



1. An inflatable hollow artificial limb comprising a hollow foot or hand section, a hollow calf or arm section, a stump socket section fitting into said calf or arm section, said sections being integrally united and consisting of yieldable material, and a single inflating valve for said limb.

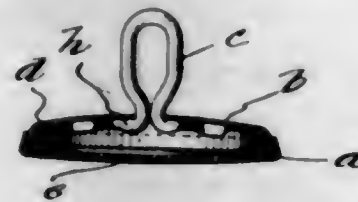
1,512,564. SPARK PLUG. JAMES B. ROGERS, Chicago, Ill. Filed July 25, 1921. Serial No. 437,327. 3 Claims. (Cl. 123-169.)



1. A spark plug construction comprising an insulating body, an electrode at one end thereof, a wiring terminal at the other end thereof, a conductor extending axially through said insulating body, and electrically connecting said electrode and wiring terminal, said insulating body having an enlarged portion, a metal sheath embracing and surrounding said enlarged portion, said metal sheath having two annular shoulders, one facing outwardly, and the other facing inwardly, a sleeve surrounding and swiveled on said sheath and bearing on said outwardly

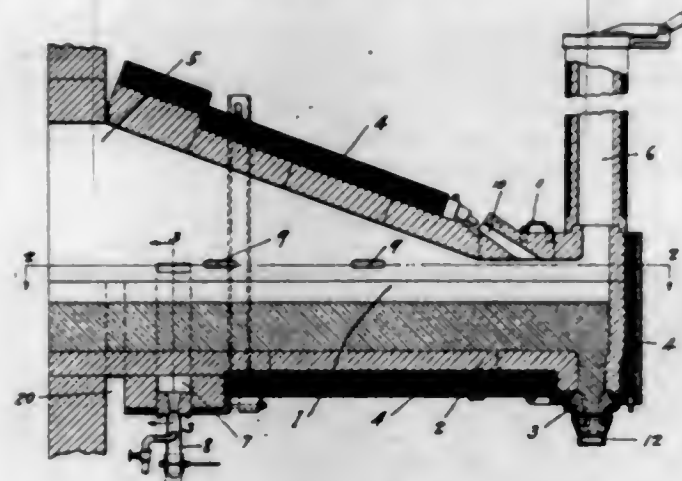
facing shoulder, a member having an outwardly facing annular seat, an annular gasket on said seat, said member and sleeve being provided with interengaging means whereby swiveling movement of said sleeve about said sheath will force the sleeve inwardly, to force the inwardly facing shoulder on the sheath into sealing engagement with said gasket; and to force the gasket into sealing engagement with the seat on said member.

1,512,565. TRIPLE-CUP BUTTON. FREDERICK N. ROSS, Pontiac, Mich., assignor to Button Attaching Machine Company, Pontiac, Mich., a Corporation of Michigan. Filed Aug. 25, 1923. Serial No. 659,247. 6 Claims. (Cl. 24-90.)



1. A button having in combination, a cup-shaped back member, a cup-shaped front member whose face is formed with a rounded contour, said front and back members telescoping together, and a cup-shaped metal slug arranged to be inserted between the said cup-shaped front and back members, the face of said cup-shaped slug having a contour complementary to the rounded face of the front member and arranged to contact therewith for the purpose of reinforcing the same.

1,512,566. METHOD AND APPARATUS FOR DELIVERING VISCOUS GLASS. OLIVER M. TUCKER and WILLIAM A. REEVES, Columbus, Ohio. Filed Aug. 12, 1918. Serial No. 249,421. 12 Claims. (Cl. 49-55.)



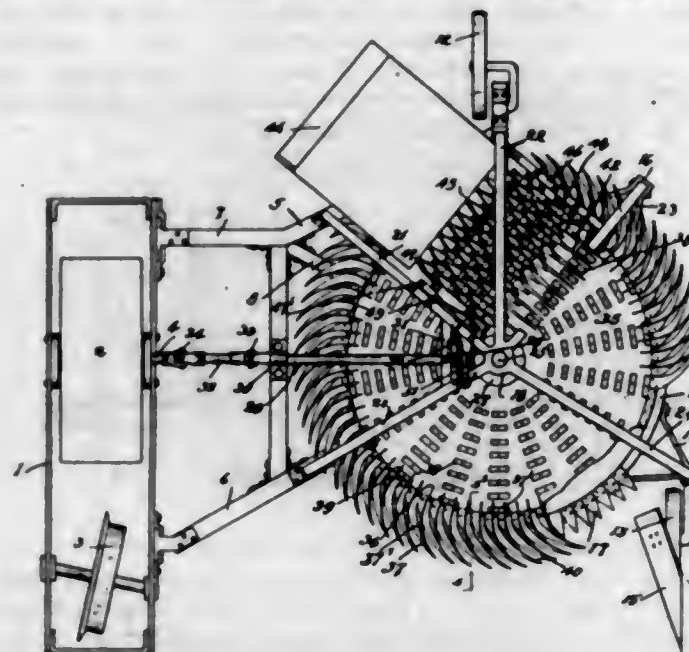
5. A spout for delivering viscous glass from a furnace comprising a body portion with a delivery aperture therein, and ports for the introduction of a temperature controlling medium, said ports being directed both inwardly toward the furnace, and outwardly toward the outer end of said spout.

9. In spout structure for delivering viscous glass, a glass trough, a U-shaped channel member for the reception of a temperature modifying medium, the vertical legs of said U-shaped channel member extending upwardly through the vertical side walls of said spout and passing through the sides of the spout above the glass line for the delivery of said medium into the spout above the glass.

1,512,567. COMBINATION GRAIN CUTTING AND ELEVATING MACHINE. DENNIS C. VAN BUREN, Wilkie, Saskatchewan, Canada. Filed Dec. 9, 1920. Serial No. 429,466. 8 Claims. (Cl. 56-157.)

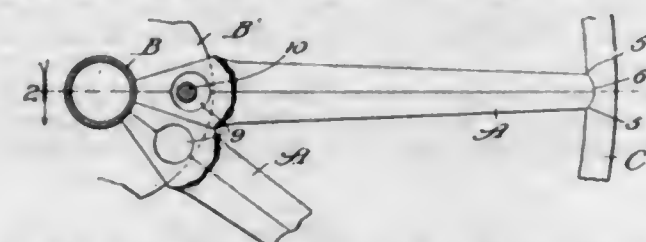
1. In a machine of the class described, a stationary arcuate cutting bar presenting a plurality of similar extending cutting blades, a rotatably mounted driven disc,

a plurality of similar cutting knives secured to the edge of the disc and adapted in the rotation of the disc to sweep over the cutting blades and cut the standing grain



as the machine advances, means riding the face of the disc adapted to gather and pick up the grain falling on the disc after being cut by the knives and means for discharging the collected grain from the machine.

1,512,568. METAL WHEEL AND METHOD OF MAKING THE SAME. ARTHUR J. ADAMS, Bay City, Mich., assignor to The Fulton Company, Bay City, Mich., a Corporation of Michigan. Filed Feb. 17, 1921. Serial No. 445,616. 3 Claims. (Cl. 29-174.)



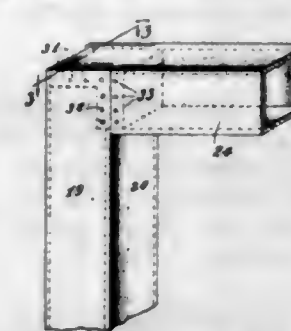
1. The method of making a spoke which comprises forming a sheet-metal blank with an enlarged laterally recessed base and convergent lateral edges, stamping the blank into U-shape cross-section and notching the web portion of the base at the end thereof, bending the flanges to complete the tapered tubular portion of the spoke and form the fourth side of the enlarged base, and bending the sides of the enlarged base to inclined positions to form a taper extremity for the enlarged base.

3. A wheel-spoke comprising a tapered tubular portion and an enlarged base of truncated arrow-head form, said spoke being formed of sheet-metal bent into tubular form and having meeting edges at one side of the spoke, the base portion of the spoke having opposite perforations, one of said perforations being formed by complementary recesses in the lateral edges of the base portion of the blank and the metal of the web portion of the blank being notched to intersect the other perforation, said perforations having their walls closed in the operation of forcing the side walls of the base portion of the spoke towards each other to form the inclined sides of the truncated arrow-head base.

1,512,569. CORNER CONSTRUCTION FOR METAL DOORS AND PARTITIONS. GUSTAVE HILDING ANDERSON, New Britain, Conn., assignor to Hart and Hutchinson Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Nov. 4, 1922. Serial No. 599,046. 11 Claims. (Cl. 189-34.)

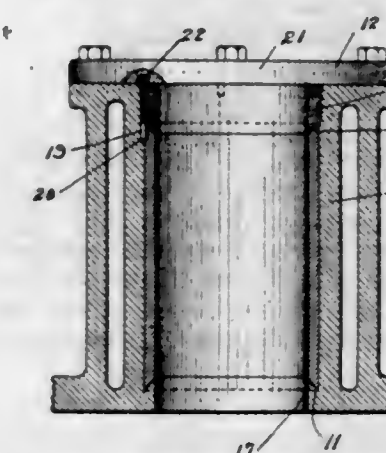
1. In a corner construction for metal doors, windows, or other building frames, a hollow upright stile mem-

ber, and a hollow horizontal rail member arranged at right angles to each other, an angular connecting member having a pair of perpendicular arms, said arms



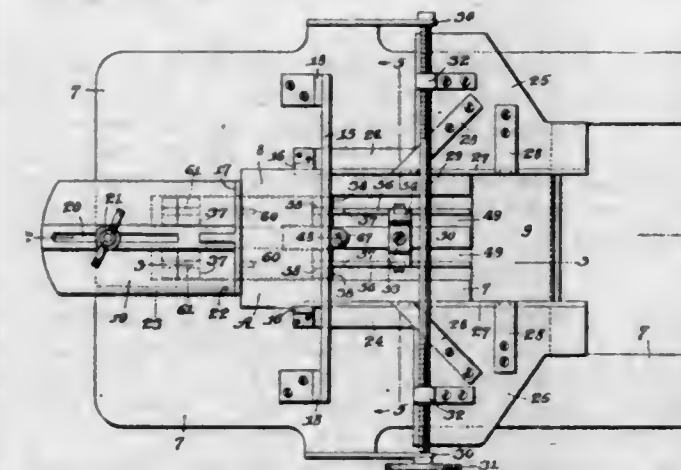
fitting within said stile and rail members respectively, one of said arms being welded to said upright stile member, and the other being welded to both of said members.

1,512,570. CYLINDER LINING. PERCY J. ANDREWS, Warwick, R. I. Filed July 27, 1922. Serial No. 577,954. 5 Claims. (Cl. 74-108.)



1. The combination with an engine cylinder having a bore with inwardly projecting means at its lower end, of a lining for the bore of said cylinder removable from its upper end and resting upon said means, a tubular nut threaded into the upper end of said cylinder for binding said lining therein against said means, and means for locking both the nut and the lining against rotation in said cylinder.

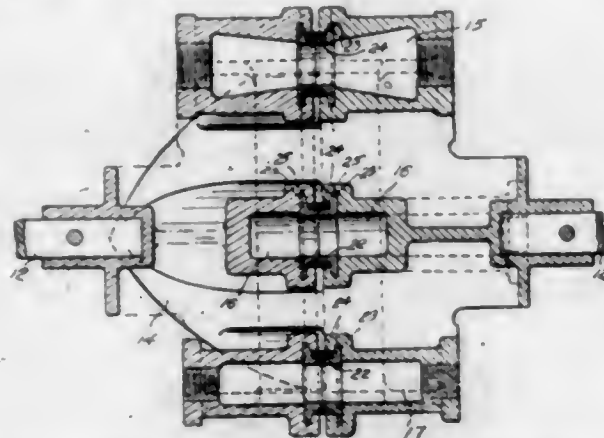
1,512,571. CARD-FEEDING DEVICE FOR PRINTING PRESSES. MILLARD F. ATKINSON, Palmyra, N. J. Filed Sept. 29, 1922. Serial No. 591,271. 6 Claims. (Cl. 271-44.)



1. The combination of a supporting table provided with card guiding means, rearward and forward card feeders for feeding cards successively from a first position on the table to a second position thereon and from said second position to a third position, respectively, means for reciprocating the feeders, a spring pressed bar adapted to engage the top surfaces of the cards in the second

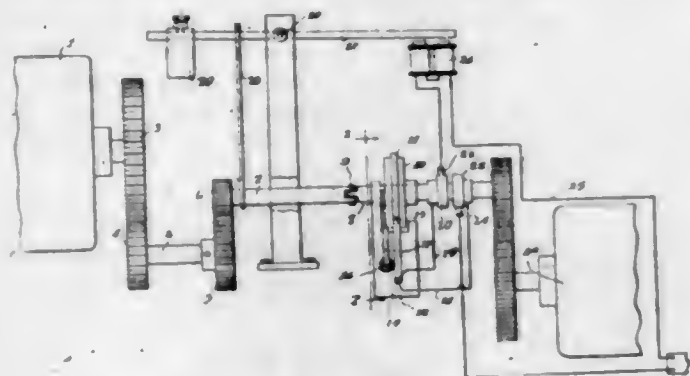
position thereof, and an abutment extending downwardly from the bar and adapted to be engaged by the rearward edges of the cards when they are in the second position to prevent rearward movement thereof.

1,512,572. GASKET FOR TRAIN-PIPE CONNECTERS. NORMAN M. BARKER, West Park, Ohio, assignor, by mesne assignments, to The American Automatic Connector Company, Wyoming, Del., a Corporation of Delaware. Filed Dec. 10, 1920. Serial No. 429,693. 2 Claims. (Cl. 285-24.)



1. In a train pipe coupling, the combination with a pair of coupling heads adapted to abut and having registering orifices, gaskets mounted in the heads at the orifices, each gasket having a tubular portion, a metal ring surrounding it and slidable in the head and having an exposed edge so positioned that when the gaskets abut and are forced inwardly the rings engage each other.

1,512,573. SPEED-CONTROLLING DEVICE. JOHN A. BIGALSKI, Chicago, Ill. Filed Aug. 4, 1921. Serial No. 489,858. 7 Claims. (Cl. 74-95.)



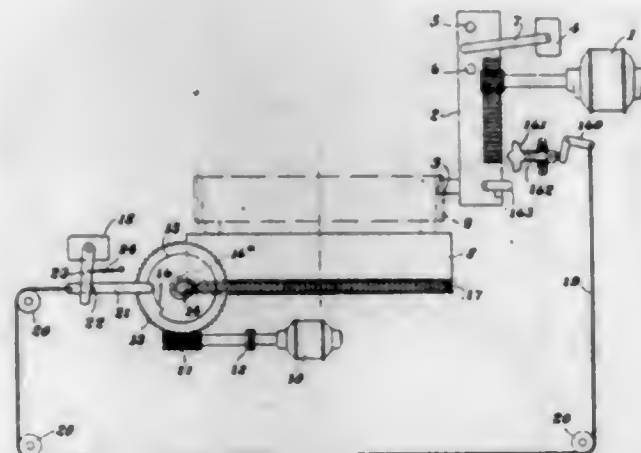
1. A speed controlling device comprising a variable speed motor, a shaft driven therefrom, a disconnecting device intermediate the driven shaft and the motor for disconnecting the motor from said driven shaft, an electromagnet controlling said disconnecting device, and an air controlled part for controlling the circuit of said electromagnet.

1,512,574. CONTROL SYSTEM FOR MACHINE TOOLS. HAROLD L. BLOOD, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 7, 1921. Serial No. 506,003. 22 Claims. (Cl. 172-240.)

1. In a control system for a machine tool, the combination with a reciprocating member carrying a cutting tool, and a work-carrying table associated with said cutting tool, of a main motor for operating the reciprocating member, an auxiliary motor for indexing the work-carrying table, and means controlled by the reciprocating member for governing the operation of said motors.

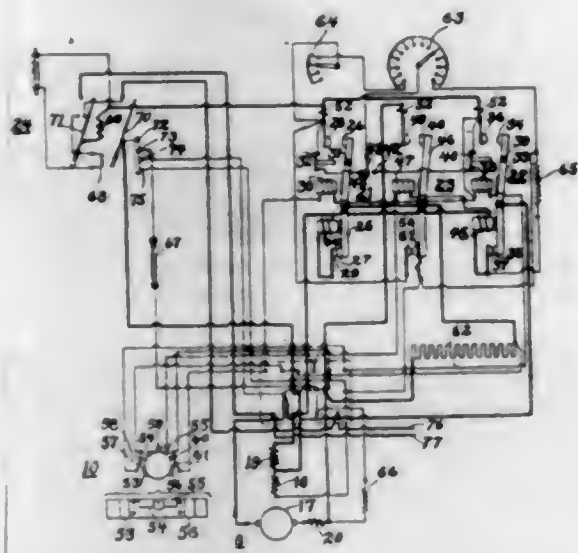
15. In a control system for a machine tool, the combination with a reciprocating member, a main motor

for reciprocating said member, and means automatically operated by the reciprocating member for reversing the direction of rotation of the motor and for rotating the motor at a faster rate in one direction than in the opposite direction, of means comprising a switch member for changing the operation of said automatic means to reverse the speed ratio between the rotation of the motor in a forward and in a reverse direction.



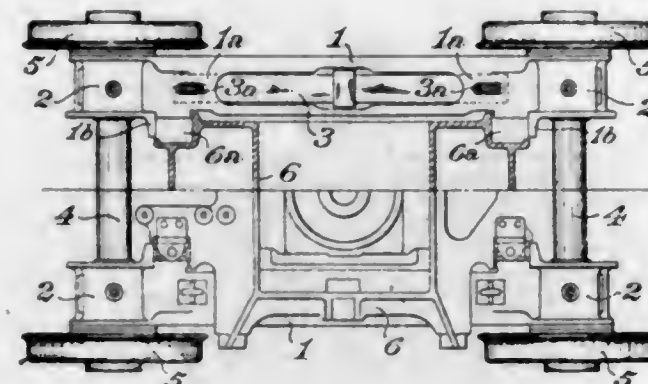
18. In a control system for a machine tool, the combination with a main motor, unit switches for controlling the operation of the main motor, and a pilot switch for selectively operating said unit switches, of a circuit breaker in the main motor circuit for opening such circuit independent of said unit switches, and means for preventing the resetting of said circuit breaker when the pilot switch is in an operative position.

1,512,575. PLANER CONTROL SYSTEM. HAROLD L. BLOOD, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 7, 1921. Serial No. 506,004. Renewed May 24, 1924. 10 Claims. (Cl. 172-240.)



3. In a planer control system, the combination, with a main motor, two switch arms, each of said switch arms controlling two sets of contact members for operating the motor in a forward and in a reverse direction and for completing a dynamic-braking circuit, and means for controlling the speed of the motor in accordance with the direction of rotation thereof, of a main magnet for operating each of said switch arms, a holding magnet operating on each switch arm, each holding magnet being connected in circuit with one set of the contact members operated by the associated switch arm when such arm is in a released position, and means for reversing the speed ratio between the forward and the reverse rotation of the motor.

1,512,576. LOCOMOTIVE TRUCK. JAMES G. BLUNT, Schenectady, N. Y. Filed Sept. 18, 1923. Serial No. 603,355. 7 Claims. (Cl. 105-79.)

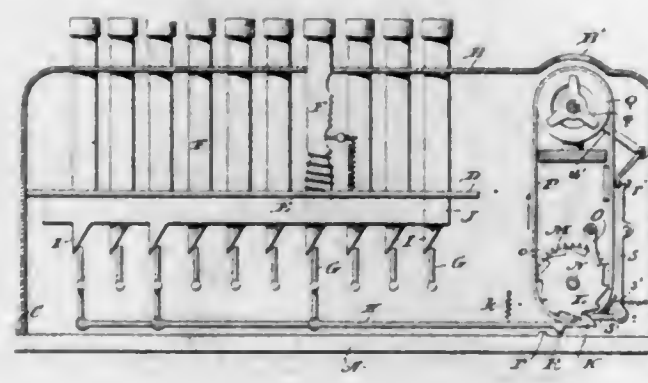


1. In a locomotive truck of the four wheel type, the combination of two side frame members, each having journal boxes fixed on its ends; a truck bolster; and means for effecting lateral adjustment of the side frame members, relatively to the bolster.

1,512,577. PROCESS FOR THE DISTILLATION OF BITUMINOUS COAL. FREDERICK CHARLES BLYTHIE, Southsea, England. Filed Mar. 28, 1921. Serial No. 456,197. 3 Claims. (Cl. 202-8.)

1. The method for the distillation of bituminous coal which comprises mixing the coal with a heavy hydrocarbon oil, heating the mixture under pressure, and then distilling the mixture at a pressure materially below 20 atmospheres to obtain a large proportion of hydrocarbon oils from the coal with a small proportion of permanent gas.

1,512,578. RESETTING MECHANISM. EDWARD J. BRANDT, Watertown, Wis., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Original application filed Mar. 21, 1918. Serial No. 223,786. Divided and this application filed May 3, 1919. Serial No. 294,400. 16 Claims. (Cl. 235-144.)

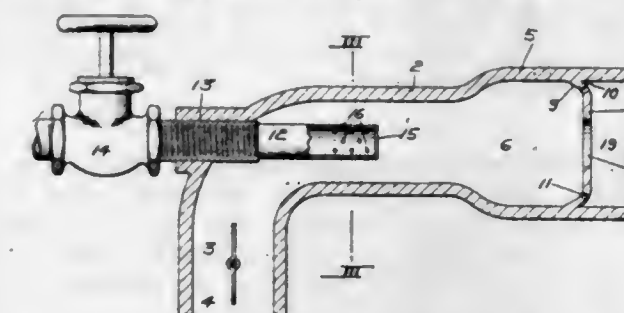


16. In a machine of the character described, a series of indicators, means for operating said indicators, frictional devices adapted to engage the indicators but normally out of engagement therewith, and means for operating the frictional devices, independent of the operating means for the indicators, to reset the indicators.

1,512,579. GAS BURNER. NEVILLE C. DAVISON, Edgeworth, Pa. Filed Apr. 19, 1923. Serial No. 633,142. 6 Claims. (Cl. 158-99.)

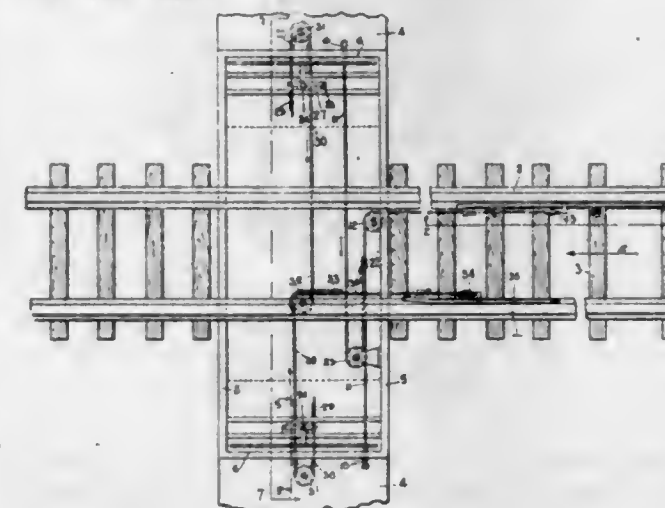
1. In burner construction, a main mixing shell provided with an incoming air supply and a gas supply and

having a terminal outlet opening, means for deflecting a portion of the gaseous mixture to one side thereof, and



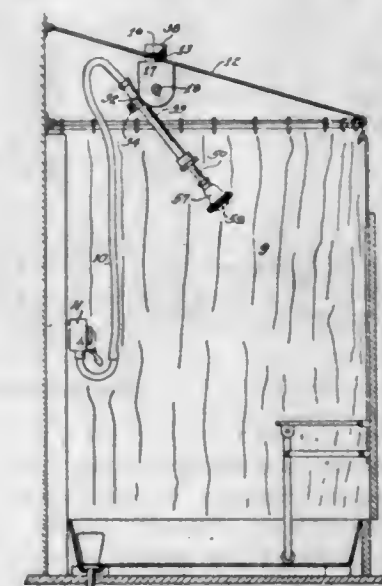
a communicating outermost recess formed in the shell for maintaining protected pilot light combustion.

1,512,580. AUTOMATIC SAFETY GATE FOR RAILROAD CROSSINGS. ALVIN R. DE CAMP, Denver, Colo. Filed Apr. 4, 1924. Serial No. 704,155. 5 Claims. (Cl. 246-293.)



1. In a safety device for railway grade crossings, in combination, a railway track, a gate located on each side of the railway track, said gates being pivoted and adapted to rotate about an axis parallel to the track, means associated with the rails of the railway track, for moving said gates from inoperative to operative position when a train approaches the crossing, means for locking the gates in operative position, and means for releasing the locking means at a time when the train has reached the crossing.

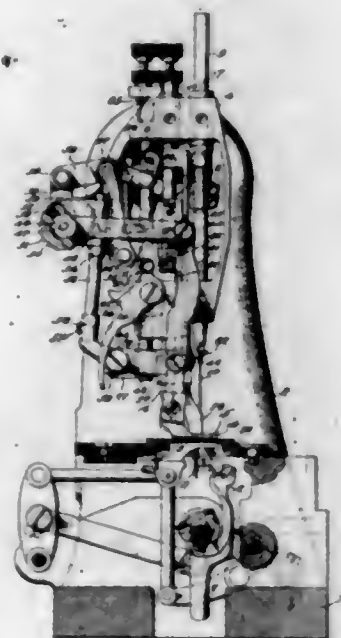
1,512,581. SHOWER DEVICE. WILLIAM L. DEMING, Salem, Ohio. Filed Feb. 3, 1921. Serial No. 442,038. 7 Claims. (Cl. 248-29.)



1. In combination, a stationary support, a bracket carried thereby, a horizontally disposed detent wheel rigidly connected to said bracket, a thrust bearing be-

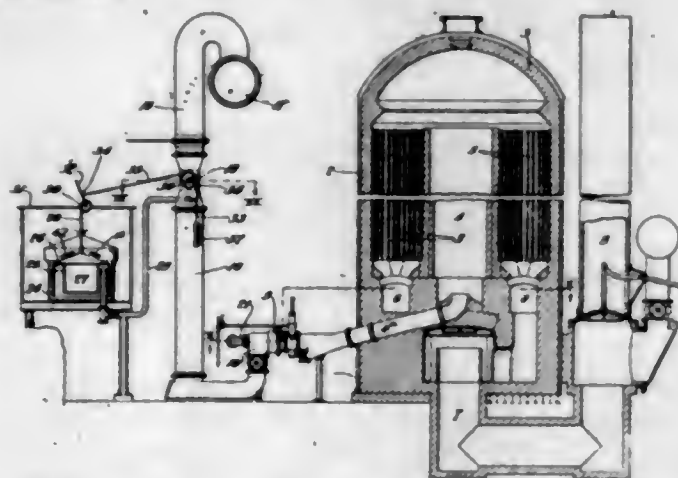
tween the wheel and support, means associated with the bracket for engaging and clamping a conduit and a pawl having a yieldable connection with said support and cooperating with said wheel for yieldably resisting movement of the bracket and conduit engaging means in a horizontal direction.

1,512,582. FEEDING MECHANISM FOR SEWING MACHINES. ALBERT H. DE VOE, Westfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 26, 1920. Serial No. 384,450. 3 Claims. (Cl. 112-212.)



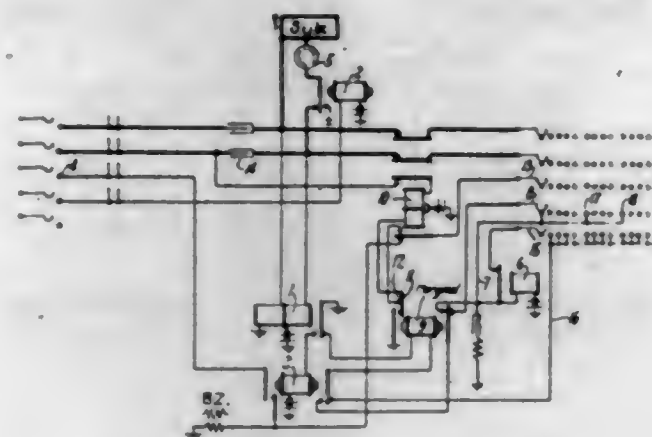
1. In an upper feeding mechanism for sewing machines, in combination, a rocking lever having a floating fulcrum, a swinging arm fulcrumed upon the machine frame upon which said lever is pivoted, a feed-bar pivotally supported upon said lever, means for rocking said feed-bar upon its pivotal support to impart feeding movements to said feed-bar, means for rocking said lever to impart rising and falling movements to said feed-bar, and means for yieldingly depressing the floating fulcrum of said lever.

1,512,583. COMBUSTION SYSTEM FOR HOT-BLAST STOVES. AMBROSE N. DIEHL, Duquesne, Pa. Filed May 26, 1922. Serial No. 563,829. 6 Claims. (Cl. 263-19.)



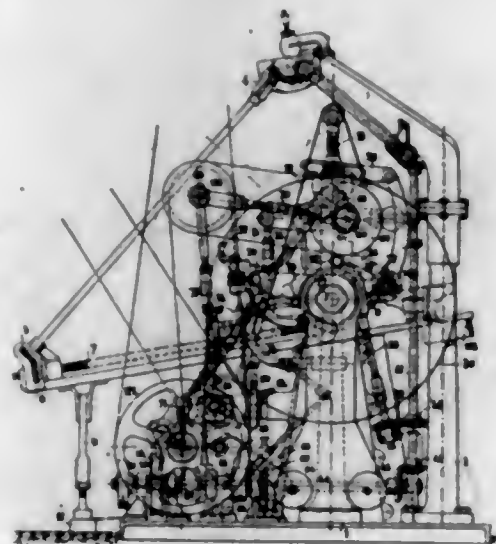
1. A combustion system for hot blast stoves comprising a gas and air mixer, a conduit leading from said mixer into the combustion chamber of said stove, means for supplying a substantially constant supply of air under pressure to said mixer, a gas supply conduit for supplying gas to said mixer, a valve in said conduit, and means operable by the gas pressure in said conduit for operating said valve so as to cause a substantially constant flow of gas into said mixer.

1,512,584. TELEPHONE-EXCHANGE SYSTEM. BERT G. DUNHAM, Hawthorne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 20, 1919. Serial No. 298,367. 5 Claims. (Cl. 170-16.)



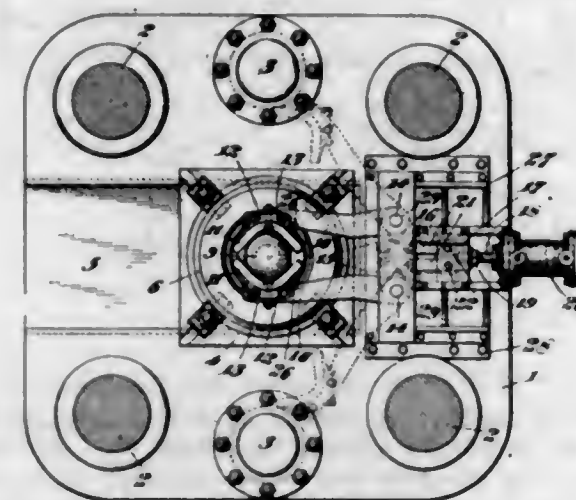
1. In a telephone exchange system, a calling line, a switch for extending said line, a terminal bank for said switch having its terminals arranged in groups, called lines connected to certain of said terminals, means for moving said switch over terminals of said groups in selecting a called line, means actuated in response to an operation of said moving means for connecting a signaling current to one of said called lines, and means including certain other terminals of said bank for preventing operation of the last named means until the switch has been connected to the called line.

1,512,585. FILE-CUTTING MACHINE. HENRI DUBOUCHÉ, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France, a French Joint Stock Company. Filed July 27, 1921. Serial No. 487,822. 10 Claims. (Cl. 76-18.)



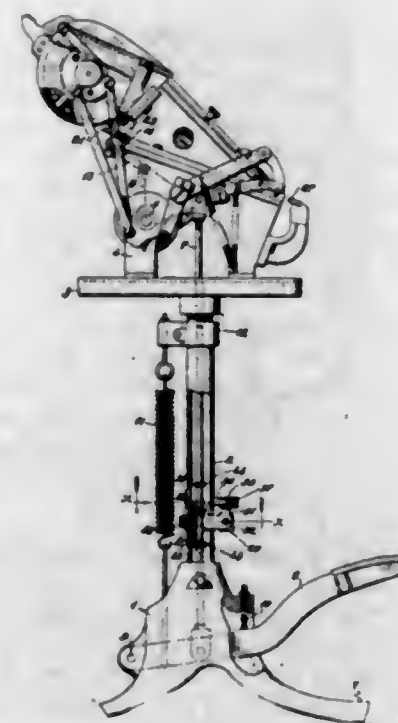
1. A file-cutting machine comprising the combination of a hammer, a block receiving blows from the hammer, a foundation plate supporting the block and a column for carrying said mechanism with a cradle, a carriage reciprocating therein and receiving the file to be cut, a straight-edged chisel for producing the cutting of the file, a cam causing the hammer to strike the chisel which is adapted to be inclined during the cutting, a template for controlling the main drive of the carriage, a template for controlling the inclination of the chisel and a template for controlling the strength of the blow, these templates being automatic in action and having a shape prescribed by the kind of file to be cut.

1,512,586. CENTERING DEVICE. BENJAMIN F. FAUNCE, Johnstown, Pa. Filed Sept. 29, 1921. Serial No. 504,162. 10 Claims. (Cl. 78-1.)



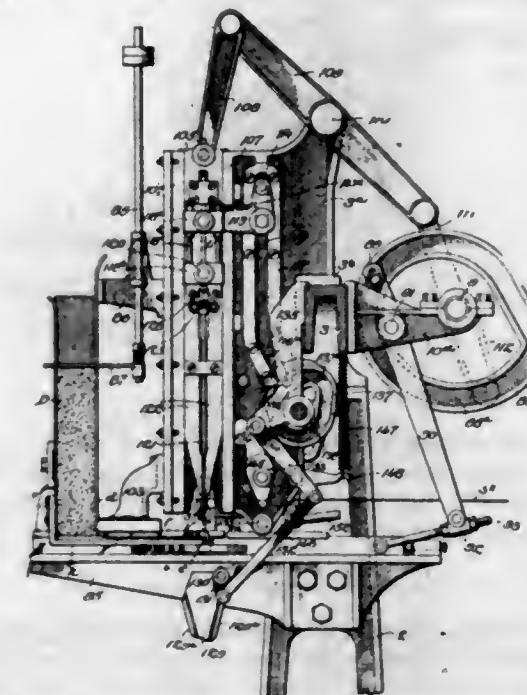
1. A centering device comprising a pair of opposed lever arms pivotally and adjustably mounted and adapted to swing to and from each other with V-shaped centering jaws adjustably mounted thereon, and means pivoted to their other ends for swinging the same.

1,512,587. TREADLE-CONTROLLING MECHANISM. JOHN S. FINCH, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 12, 1921. Serial No. 499,907. 10 Claims. (Cl. 74-16.)



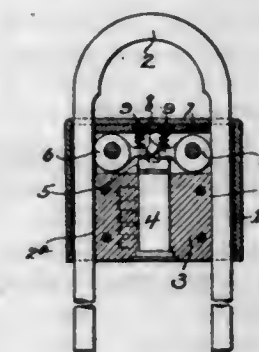
1. A device for preventing retrograde movement of an actuated element, comprising a cam-member, a spring yieldingly urging said cam-member to engage said element to permit movement of the latter in one direction and prevent movement in the opposite direction, a cam-member release-device, means effective at a predetermined point in the movement of said element to shift said release-device to transmit a releasing movement to said cam-member, and yielding means independent of said cam-member for maintaining the cam-member release position of the release-device during the return movement of the element.

1,512,588. BRUSH-MAKING MACHINE. CHARLES E. FISHER, Baltimore, Md., assignor, by mesne assignments, to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md., a Corporation of Maryland. Filed June 21, 1921. Serial No. 479,253. 7 Claims. (Cl. 300-3.)



5. In a brush-making machine, the combination with wisp-gathering means of stapling mechanism comprising a horizontally reciprocating slide, a vise on said slide comprising an upper jaw fixed to the slide, a lower jaw pivoted to the slide and a spring for closing said jaws, means for delivering a wire length to said jaws in the rearmost position of the slide, vertically movable staple guides adapted to bend the wire over the lower jaw and rock said latter jaw to open position at the end of the forward movement of the slide, and means for holding said lower jaw in open position during the return movement of the slide.

1,512,589. PADLOCK. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Mar. 5, 1923. Serial No. 622,953. 5 Claims. (Cl. 70-108.)

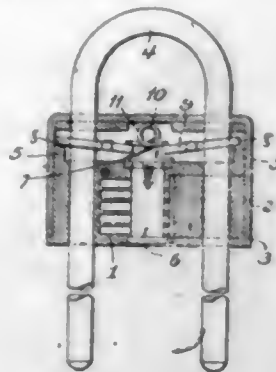


1. In a padlock, the combination with a casing and a sliding shackle, of a cam member pivotally mounted in the casing and engageable with a leg of the shackle, a spring normally pressing said cam member in a direction for cooperative relation to the shackle leg, and key operated means cooperable with said cam to move it in the opposite direction to release the shackle.

1,512,590. PADLOCK. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Mar. 5, 1923. Serial No. 622,954. 2 Claims. (Cl. 70-108.)

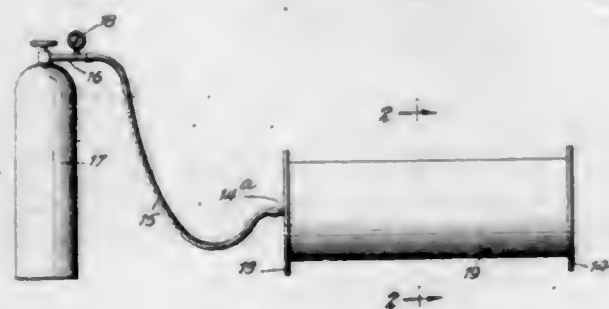
1. In a padlock, the combination with a casing and a shackle, of a ring clutch embracing a member of the shackle within the casing, spring means cooperating with

said ring clutch to press the same in a direction to clutch said member of the shackle and hold the latter against outward movement, key-actuated means cooper-



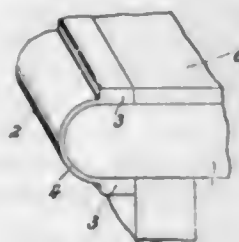
able with said ring clutch to move the same in a direction to release the shackle, and an abutment in the casing for said clutch ring when the latter is moved by the key-actuated means to release the shackle.

1,512,591. PROCESS FOR PRESERVING PERISHABLE PRODUCTS. GOTTFRIED L. A. FRIEDRICH, New York, N. Y. Filed Jan. 8, 1921. Serial No. 435,876. 1 Claim. (Cl. 99-11.)



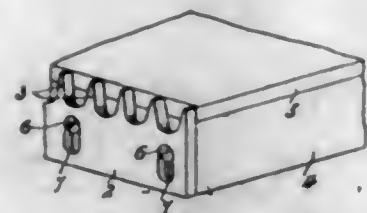
The process for preserving living fish when transported, which consists of delivering to a closed chamber having a porous wall a regulated supply of oxygen gas whereby the gas will pass through the pores of the chamber for oxygenating the surrounding atmosphere.

1,512,592. NOSING FOR STAIR TREADS. HERBERT FROOD, Chapel-en-le-Frith, England, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Filed Aug. 27, 1921. Serial No. 496,094. 1 Claim. (Cl. 20-79.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



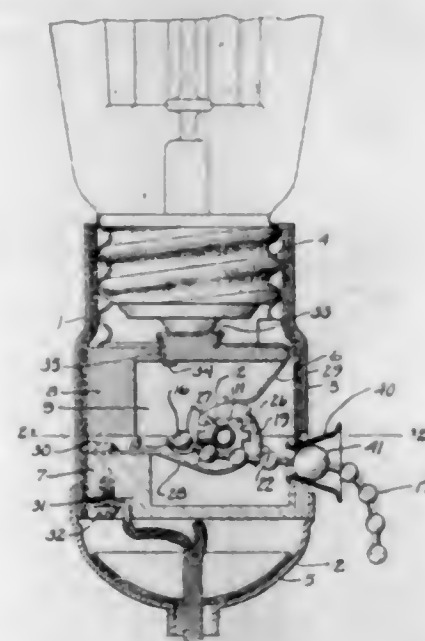
A reversible nosing for stair treads comprising a member having comparatively thick wearing portions adapted when applied to a tread to lie along the upper and lower faces of the tread and connected by a flexible comparatively thin portion.

1,512,593. STAIR TREAD. HERBERT FROOD, Chapel-en-le-Frith, England, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Filed Aug. 27, 1921. Serial No. 496,096. 6 Claims. (Cl. 20-79.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



1. A non-slipping attachment for stairs or steps comprising a comb-like member attachable to the steps or stairs with the free ends of the teeth of the member terminating at and forming the forward edge of the tread of the step.

1,512,594. SHORT-CIRCUIT-PROOF SOCKET. STEPHEN S. GRADY, Newtonville, Mass., assignor to Jay K. Cohen and Samuel K. Cohen, both of New York, N. Y. Filed Dec. 13, 1921. Serial No. 522,011. 2 Claims. (Cl. 173-254.)



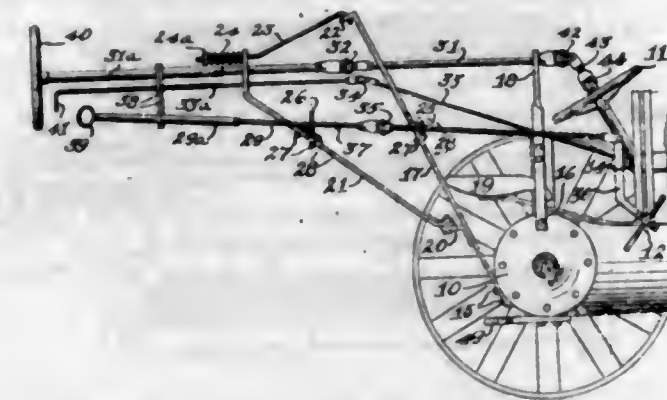
1. A new article of manufacture comprising an axle adapted to be used in a pull socket switch, said axle being provided with a pin, a chain holder having two tines with a spring on one of the tines partly closing the opening between the tines and adapted to yieldingly hold the end of the chain from accidentally becoming disengaged from the chain holder.

2. In a pull socket the combination of a plurality of insulating members, a switch mechanism including an actuating chain and a spring, and means to automatically put the spring under tension and retract the end of the chain as the two insulating members are brought together and secured.

1,512,595. CONTROL EXTENSION FOR TRACTORS. LESLIE S. HACKNEY, St. Paul, Minn. Filed Nov. 5, 1920. Serial No. 421,938. 6 Claims. (Cl. 180-77.)

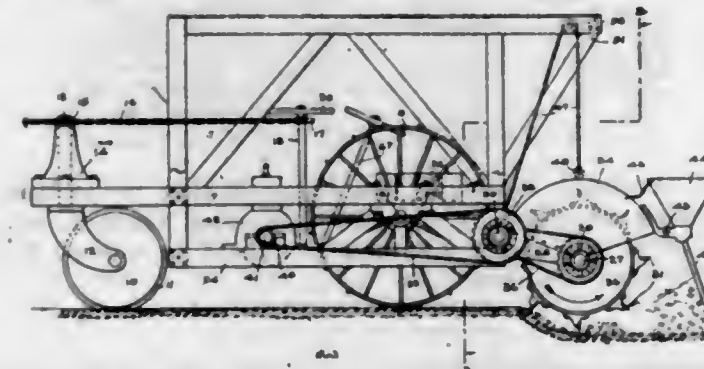
1. In a device of the class described an extension steering wheel, a steering rod connecting said extension wheel with the steering wheel of a tractor, a rigid, rearwardly

inclined support for said rod mounted on the tractor, a second rearwardly inclined support pivotally joined to said first mentioned support, actuating rods carried



by said supports and joined to the control levers of a tractor and joints positioned in said steering and actuating rods between said rigid and pivoted supports.

1,512,596. AGRICULTURE IMPLEMENT. CLARENCE M. HAMSHAW, Seattle, Wash. Filed Dec. 9, 1918. Serial No. 265,997. Renewed May 5, 1923. 3 Claims. (Cl. 97-40.)



1. In an agricultural implement of the class described a tractor frame mounted on wheels, means for driving said wheels, a rotatable cylindrical soil cultivator disposed at the rear end of said tractor frame, links connecting the axis of said cylindrical soil cultivator with said frame to permit vertical movement of said soil cultivator, knives on the periphery of said soil cultivator and means independent of said tractor driving means for rotating said soil cultivator and elevating the same.

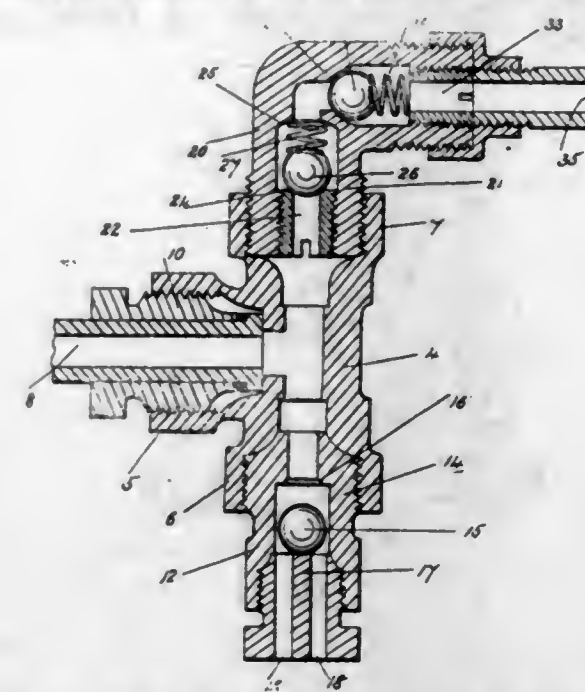
2. An agricultural implement comprising a frame mounted on two rear tractor wheels and one forward wheel, power actuated driving means connected with said tractor wheels, a rotatable soil cultivator disposed at the rear end of said frame, knives provided on the periphery of said soil cultivator, links connecting the axial shaft of said soil cultivator with said frame to permit vertical movement of said soil cultivator, and independent power actuated means for raising and lowering said cultivator and rotating the same.

3. In an agricultural implement, a frame mounted on two rear tractor wheels and one forward guiding wheel, a rotatable soil cultivator having an axial shaft and disposed at the rear end of said frame, knives provided on the periphery of said soil cultivator, links connecting the axial shaft of said soil cultivator with said frame to permit vertical movement of said soil cultivator, means for raising and lowering said soil cultivator and means for rotating said soil cultivator and operating the raising and lowering means.

1,512,597. MOISTENING DEVICE. ALTON D. HARMON, Erie, Pa. Filed Sept. 1, 1923. Serial No. 660,604. 3 Claims. (Cl. 277-71.)

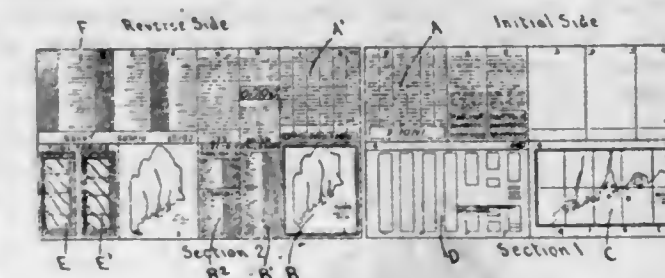
1. A moistening device, comprising a T-shaped fitting having three similar branches, a steam or vapor pipe provided with means for connecting it to one of the

branches, an air inlet valve casing provided with means for connecting it with another of the branches, said casing having also a valve seat and a normally open valve which closes the valve seat when the pressure in-



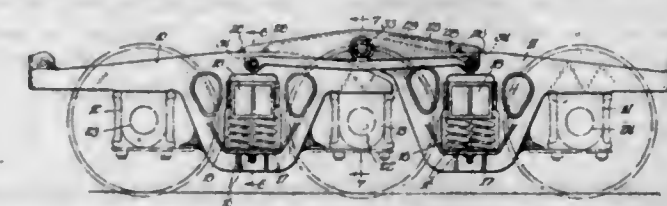
side the casing is reduced, and a delivery valve casing provided with means for connecting it with the remaining branch and having also a valve seat and a valve which is normally closed, all the connecting means being interchangeable in their relation with the said branches.

1,512,598. GEOGRAPHICAL COMPILATION. GEORGE W. R. HARRIMAN, Malden, Mass. Original application filed June 23, 1916, Serial No. 105,524. Divided and this application filed Dec. 18, 1920. Serial No. 431,644. 10 Claims. (Cl. 283-34.)



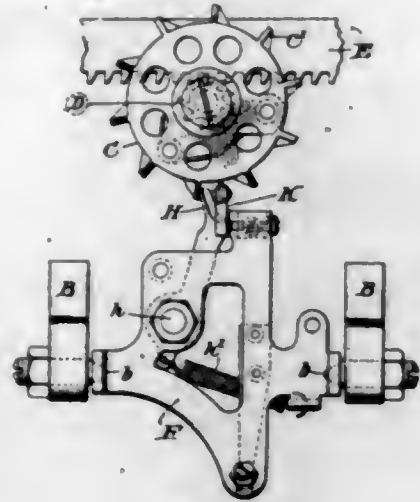
1. A geographical compilation comprising a series of leaves bound together, one of said leaves bearing a map of a section of territory and another leaf bearing an index of localities existing in such territory; the leaf bearing said index being hinged in a manner permitting the index to be placed beside the map.

1,512,599. SIX-WHEEL TRUCK. WILLIAM C. HEDGECOCK, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 27, 1923. Serial No. 671,143. 14 Claims. (Cl. 105-195.)



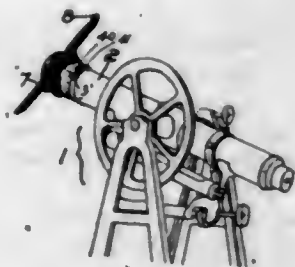
1. In a six wheel truck, the combination of a side frame including two associated side frame members, means through which a load is transferred to said side frame members, and an equalizing member spanning said side frame members and through which one of said side frame members is connected to the other side frame member.

1,512,600. TYPEWRITING MACHINE. EDWARD B. HESS, New York, and LEWIS C. MYERS, Freeport, N. Y., assignors to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 12, 1923. Serial No. 674,245. 4 Claims. (Cl. 197-88.)



1. An escapement mechanism comprising a dog rocker, a round nosed limber dog and a rigid roller dog carried thereby, and an escapement rack cooperating therewith, each tooth of the escapement rack having a working face comprising a right angle portion cooperating with the round nosed dog and an angled portion cooperating with the roller of the rigid dog.

1,512,601. MEANS FOR AND METHOD OF DETERMINING TRUE NORTH, LATITUDE, AND APPROXIMATE SIDERAL TIME, OR ANY OF THEM. ROGER SHERMAN HOAR, Concord, Mass., assignor to John W. Weeks, Secretary of War of the United States of America, trustee. Filed May 21, 1919. Serial No. 298,605. 32 Claims. (Cl. 88-2.2.)

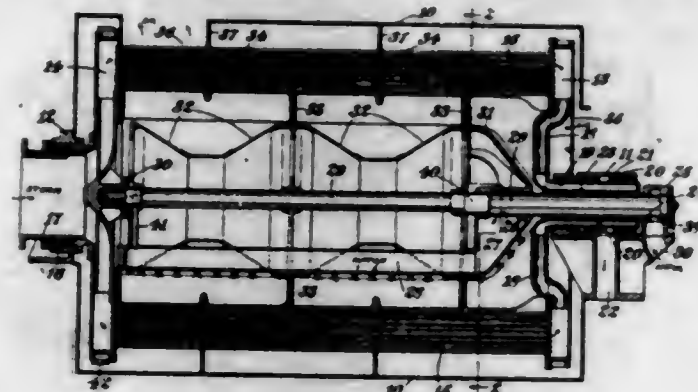


1. Means for north determination consisting of a mechanical substitute for computation involved in the so-called hour-angle method of north determination, comprising an attachment for a telescope or similar sighting instrumentality, an element carried by the attachment and adapted to be lined up on two stars when the cross hairs of the sighting instrumentality are brought on one of said stars and graduations associated with the said element whereby the sidereal time may be determined.

1,512,602. EVAPORATIVE CONDENSER FOR STEAM OR OTHER VAPORS. GEORGE FREDERICK JONES, Cheadle Hulme, and THOMAS LAURENCE HALE, Bolton, England, assignors to The Ramsay Condensing Locomotive Company Limited, Glasgow, Scotland, a British Company. Filed Dec. 29, 1923. Serial No. 683,376. 6 Claims. (Cl. 257-36.)

1. In an evaporative condenser the combination of a rotatable horizontally-disposed cylindrical bank of tubes

to receive the vapor to be condensed, means for circulating air around the tubes, and a liquid spraying device



vice so situated as to provide a curtain of liquid which will wet the outer surface of the tubes as they pass through the curtain in their rotation.

1,512,603. EGG-PROCESSING MACHINE. MORRIS KASSER, San Francisco, Calif. Filed Feb. 12, 1923. Serial No. 618,462. 25 Claims. (Cl. 99-2.)



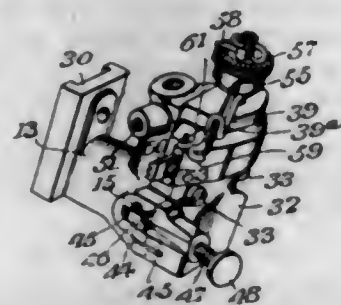
1. A liquid container comprising a pair of sections forming an angle, a conveyor extending through both sections, and means for supplying heat to one of the sections near its top.

1,512,604. STREET-CAR TOKEN. WARREN F. KAYNOR, Waterbury, Conn., assignor to Waterbury Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 29, 1922. Serial No. 547,647. 5 Claims. (Cl. 40-2.)



4. In a trade-check, the combination with a metal base, of a surface layer comprising a plurality of thin strips of dissimilar metals arranged side by side in the same plane, said trade-check being disk-shaped.

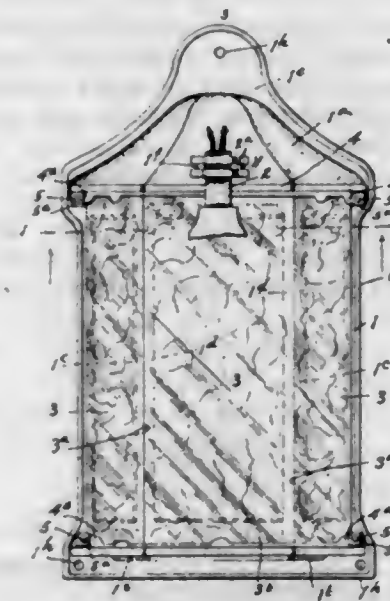
1,512,605. TENSION MECHANISM FOR BRAIDING MACHINES. FREDERICK KLEIN, College Point, N. Y., assignor to National Indicator Company, Long Island City, N. Y., a Corporation of New York. Filed Aug. 30, 1923. Serial No. 660,144. 27 Claims. (Cl. 96-19.)



21. A tension mechanism for braiding machines comprising a rotatable support, a spindle carried by said support, a control lever rockably supported adjacent the spindle, a tension spring connected to said control

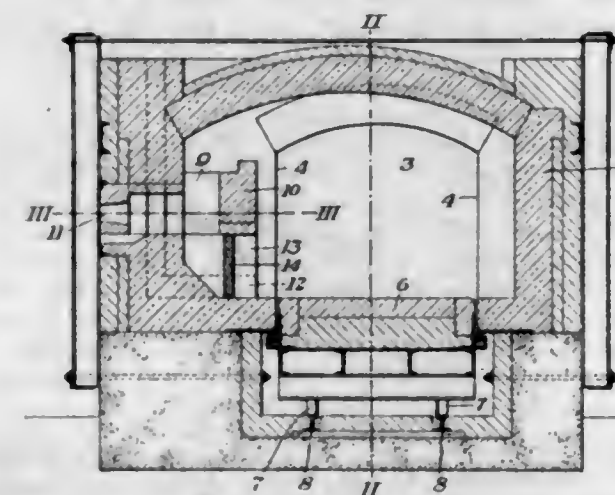
lever and tending to move it in one direction, a yarn engaging device operatively connected to the control lever whereby the yarn tension will tend to move the control lever in opposition to the tension spring, a spindle escapement mechanism adapted to be released by the movement of the control lever in one direction, and a clutch mechanism adapted to be operated by the control lever when said lever is rocked in either direction.

1,512,606. WALL LAMP. GEORGE J. KLEIN, Cleveland, Ohio. Filed Jan. 24, 1923. Serial No. 614,531. 6 Claims. (Cl. 240-11.)



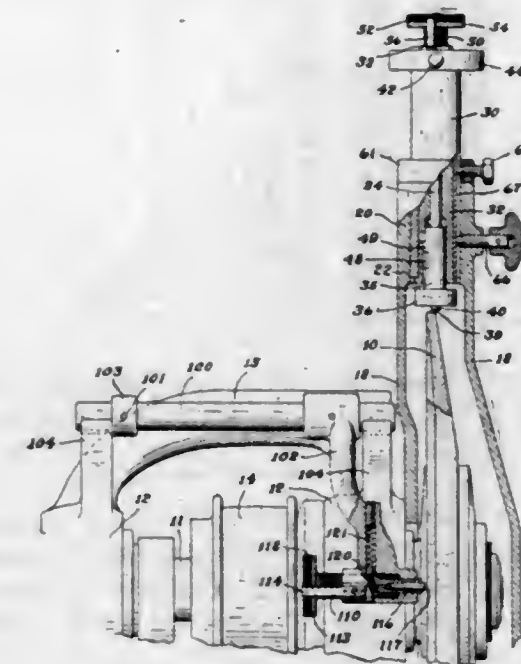
1. A wall lamp, comprising a wall bracket including integral horizontal top and bottom members connected by glass receiving panel frames, glass sections within the latter, and glass securing lead clamps engaging said glass sections and adjustably connected to said horizontal top and bottom members.

1,512,607. HEATING FURNACE. JAMES H. KNAPP, Los Angeles, Calif. Filed Nov. 27, 1923. Serial No. 677,215. 9 Claims. (Cl. 263-28.)



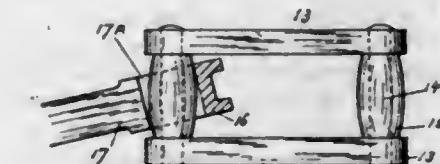
1. A heating furnace comprising a heating chamber, a combustion chamber, and a bridge wall separating said chambers, said bridge wall having a relatively thin lower portion formed of heat-resisting and heat-conducting material, substantially as described.

1,512,608. DRESSING ATTACHMENT FOR GRINDING MACHINES. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 20, 1921. Serial No. 479,030. 10 Claims. (Cl. 125-11.)



1. A dressing attachment for abrasive wheels comprising in combination, a sleeve adapted to fit into a portion of the wheel mounting, a rod within said sleeve, means to adjust said rod relative to said sleeve, and a dressing tool mounted eccentrically on said rod, whereby oscillation of said rod will traverse said dressing tool across a surface of said abrasive wheel.

1,512,609. CHAIN. CARL W. A. KOELKEBECK, Pittsburgh, Pa. Filed July 12, 1920. Serial No. 395,584. 2 Claims. (Cl. 74-32.)

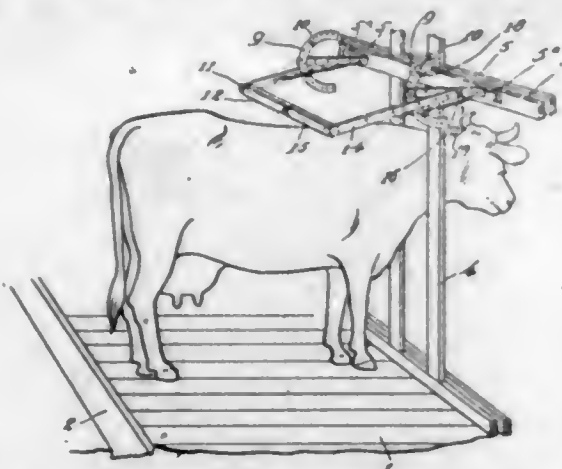


1. In a chain, a plurality of links having connections permitting universal movement, each of said connections comprising a pin, a bearing member having a curved bearing surface rotatably mounted on said pin for rotation about the axis of said pin, and a portion engaging the bearing member and universally rotatable about the surface thereof, substantially as described.

1,512,610. SANITARY COW STALL. JOHN WALTER KOLB, Harrison, Ohio. Filed Mar. 22, 1924. Serial No. 701,040. 4 Claims. (Cl. 119-27.)

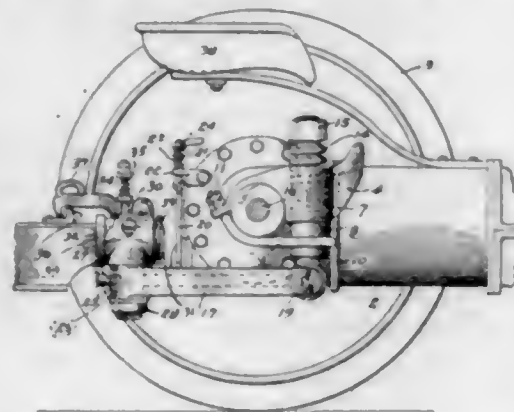
4. A device of the character described, comprising a pin bearing element for preventing humping of a cow, and means for mounting the element, comprising supporting arms, pivoting means on the arms, a frame for the pin bearing element pivoted to the arms by said means, stops for limiting the movements of the frame to its upper and lower positions, and spring means secured to the arms at one side of the pivoting means, and to the frame beyond said pivoting means, whereby

the springs will act to pull the frame to its upper and lower stopped positions, when said frame is moved past center, said stops comprising a pair of arc shaped plates



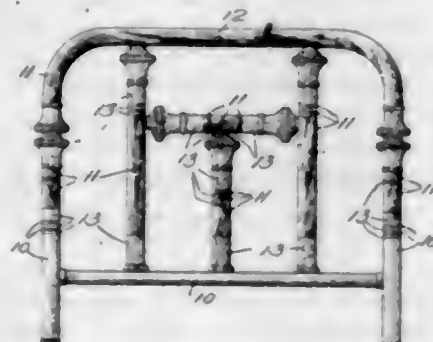
secured to the supporting arms, and extending to both sides thereof, and holes in the plates, and stop pins in said holes.

1,512,611. TRACTOR HITCH. MILTON J. KONETSKY, San Francisco, Calif. Filed Feb. 14, 1924. Serial No. 692,861. 5 Claims. (Cl. 280—33.12.)



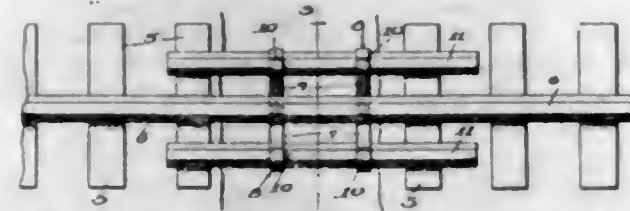
1. A tractor hitch comprising a pair of saddles adapted to strap over the top of the rear axle housing of a tractor one to either side of the differential housing, and a transverse member connecting the saddles adapted to bear upon the housing just forward of the differential, and a rearwardly projecting draft yoke connected to the saddles below the differential housing on opposite sides thereof and forward of the rear axle.

1,512,612. FINISH FOR METAL ARTICLES AND METHOD OF PRODUCING THE SAME. WILLIAM L. KRAY, Buffalo, N. Y., assignor to Hard Manufacturing Co., Buffalo, N. Y. Filed Feb. 10, 1923. Serial No. 618,378. 5 Claims. (Cl. 41—38.)



1. A finish for metal articles which consists of a polished surface produced on the metal, and a coating on said polished surface which contrasts in color therewith, said polished metal surface showing through said coating in places and producing a wood grain effect.

1,512,613. RAILROAD CLAMP. JOHN LAVIGNA, Chicago, Ill., assignor to Martin Langner, Chicago, Ill. Filed Feb. 23, 1924. Serial No. 694,697. 3 Claims. (Cl. 238—169.)



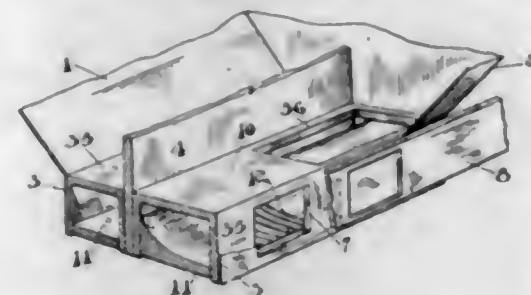
1. A temporary support for rails comprising a pair of separately formed arms having their outer portions provided with means for extending over relatively fixed supports, the inner portions of the arms being provided with angularly directed members for supporting the base of a rail and the inner terminal portions of the arms being provided with apertured ears extended downwardly, and fastening devices extending through said ears for connecting said arms.

1,512,614. SCRAPER AND SPREADER. ROBERT G. LE TOURNEAU, Stockton, Calif. Filed July 13, 1922. Serial No. 574,654. 2 Claims. (Cl. 37—426.)



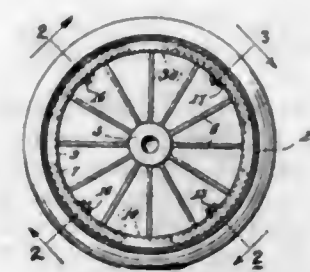
1. A scraper comprising a frame supported from the ground, a scoop hung therein, side plates on the scoop, plates independent of the scoop and frame extending forwardly from the side plates and overlapping the outer and forward edges of the same, connecting bars pivoted on the independent plates and frame ahead of the same, and vertical guide bars between the frame and independent plates adjacent the forward edge of the scoop plates, whereby the independent plates are guided in their relative vertical movement between said bars and the scoop plates.

1,512,615. SEEDING MACHINE. THOMAS J. MCBRIDE, Christchurch, New Zealand. Filed Sept. 30, 1922. Serial No. 591,640. 8 Claims. (Cl. 221—142.)



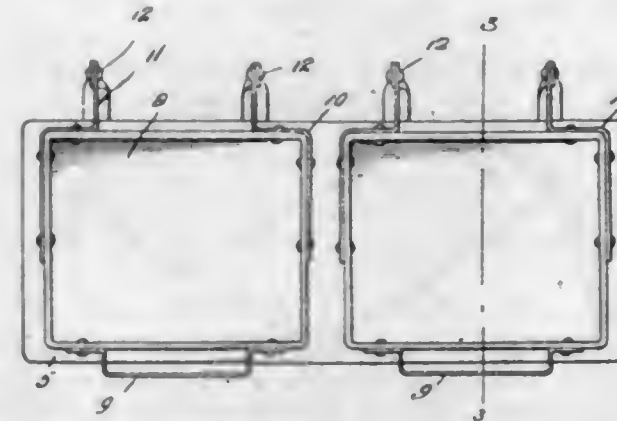
1. In a seeding machine, the combination of a hopper having a rectangular trough at its bottom; a plurality of lateral seed outlets from said trough; shields over said outlets; a bar adapted for reciprocating motion in said trough for the purpose of carrying seed or material to each of said outlets, the edge of the upper surface of said bar adjacent the seed outlets lying normally approximately at the level of the lower edges of said outlets; and means for adjusting the position of said bar relative to the shields.

1,512,616. VEHICLE WHEEL. THOMAS F. MCCAMBRIDGE, Akron, Ohio. Filed Feb. 20, 1920. Serial No. 360,028. 2 Claims. (Cl. 301—28.)



1. In a vehicle wheel, a fixed rim comprising an integrally formed annular channel disposed with its flanges projecting outwardly and adapted to have its base fastened to the outer ends of the spokes of a wheel, segmental hollow metallic shoes disposed at intervals within said channel, said shoes provided with inwardly projecting flanges adapted to be received between and radially guided in sliding inward and outward movements by the side flanges of said channel, central screws rigidly fastened to said shoes and projecting radially inwardly through the base of said channel, and nuts having swivel connection with the base of said channel member and threaded upon said screws whereby rotation of said nuts will cause radial movement of said shoes for securing a tire rim on the fixed rim or releasing the same from the latter.

1,512,617. FEEDING AND WATERING TROUGH FOR ANIMALS. PAUL E. MCCONACHIE, Jetmore, Kans. Filed Aug. 23, 1923. Serial No. 658,558. 1 Claim. (Cl. 119—61.)

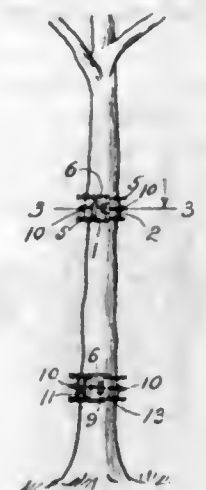


A trough structure comprising a plane base, metal strips disposed transversely of the base member and applied to the under surface thereof, said strips being provided at one end and at points spaced from the side edge of the base member with upstanding arm portions disposed in planes at right angles to the plane in which the base member lies, other strips pivotally connected at one end with the upper portions of the said arms at points above the upper surface of the base member, trough bodies attached to the last mentioned strips and adapted to rest with their bottoms upon the upper surface of the base member and adapted to be swung together with the last mentioned arms to inverted position beyond the side edge of the base member and the outer edges of the said arms.

1,512,618. TREE STOCK GUARD. THOMAS WAYNE McDONALD, Ayondale, Mo. Filed Dec. 10, 1923. Serial No. 679,740. 2 Claims. (Cl. 47—24.)

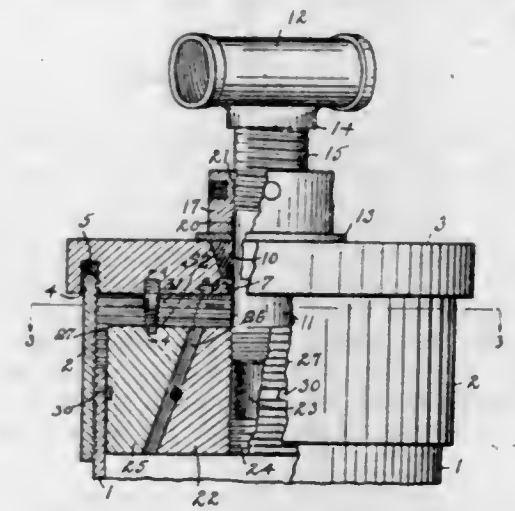
1. A tree guard comprising two flexible bands hinged together at adjacent ends and adapted to embrace a tree

trunk and having each outwardly extending barbs, and a holding member embracing said bands and having



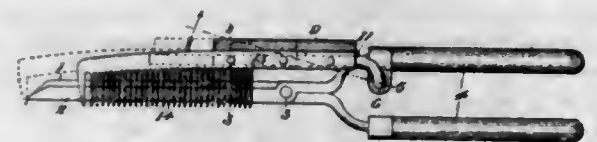
frictional sliding engagement with some of the barbs of one of said bands for yieldingly holding said bands from expansion.

1,512,619. CEMENTING AND CIRCULATING HEAD. JOHN W. MACCLATCHIE, Brea, Calif. Filed Sept. 5, 1922. Serial No. 586,132. 18 Claims. (Cl. 166—14.)



1. A casing head including a cap adapted to be received directly over the end of a casing with said cap resting upon the end of the wall of said casing, and expansible slips supported by said cap in said casing and adapted to engage said casing and draw the cap tightly against the wall thereof.

1,512,620. MARCELING IRON. ALYCE A. MACDONALD, Oakland, Calif. Filed Mar. 8, 1924. Serial No. 697,866. 4 Claims. (Cl. 132—37.)



4. A hair waving apparatus comprising a pair of pivotally connected, co-operating clamp and mandrel members, a frame pivotally connected to one of said members for swinging on an axis parallel with the fulcrum of said members, a pair of comb members disposed along respective sides of the members to lie parallel therewith, means for connecting said combs and for mounting the same on said frame to move longitudinally thereof.

1,512,621. PLUG PACKER. PATRICK H. MACK, Bradford, Pa., assignor to Oil Well Supply Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,786. 10 Claims. (Cl. 166—13.)



1. A plug packer comprising a circular body having series of vertically extending outer packing strips and a series of wedging strips alternately disposed between the packing strips, and means operable in the body for forcing the wedging strips radially outwardly.

1,512,622. HOLLOW-HANDLE ARTICLE. RALPH J. MARSH, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Feb. 4, 1924. Serial No. 690,353. 1 Claim. (Cl. 30—9.)

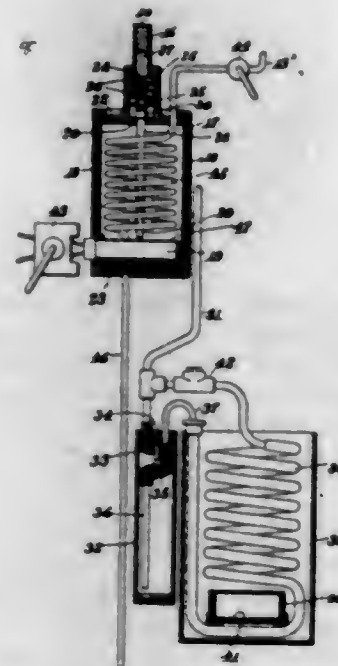


The combination with a hollow, sheet-metal handle of unbroken external contour between its ends and of the full length of such handles, and having a locking-groove formed close to its open inner end, of a short, struck-up, one-piece, sheet-metal bolster having its apex slotted and having its flange adapted to fit over the edge of the open end of the handle, and to be turned into the said locking-groove adjacent thereto, whereby the bolster and handle are interlocked at the inner end of the latter, an implement having a tang passing through the slot in the apex of the bolster and into the handle, and a body of filling material located within the handle and embedding the said tang for giving stability to the implement.

1,512,623. REFRIGERATING APPARATUS. CHARLES E. MAXWELL, Brighton, Mass. Filed Sept. 17, 1921. Serial No. 501,484. 8 Claims. (Cl. 62—118.)

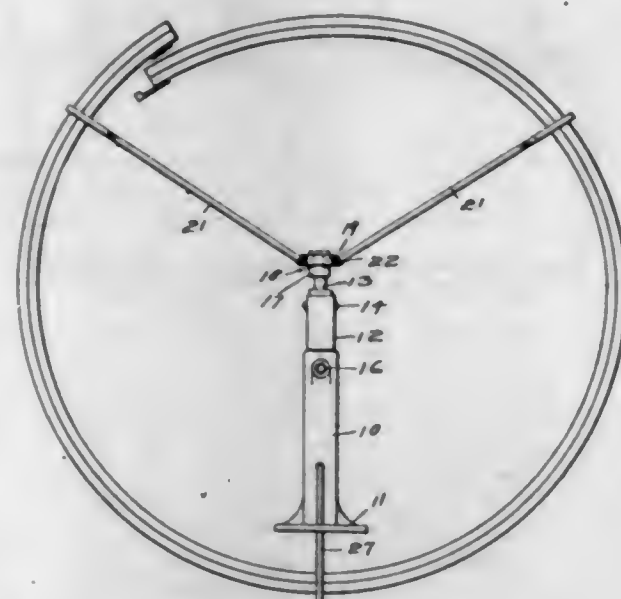
1. In an apparatus of the class described, a generator adapted to contain aqua ammonia; a heating unit therefor; a condensing coil; a tubular extension to said

generator; a pipe leading therefrom to said condensing coil; a pipe extending from said extension to the bottom of the generator and communicating therewith at



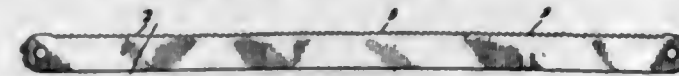
its lower end; and a valve surrounding said downwardly extending pipe and adapted to normally close a passage between said extension and generator.

1,512,624. COMBINED LIFTING JACK AND RIM TOOL. MERLE S. MENTZER, Pawnee, Okla. Filed Jan. 30, 1924. Serial No. 689,480. 7 Claims. (Cl. 254—100.)



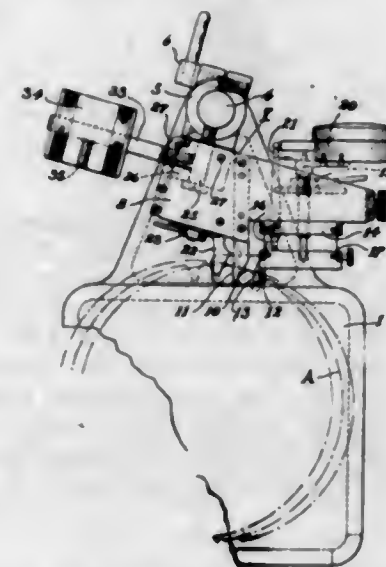
3. The combination with a standard of an element to move longitudinally thereof, a head carried by the element, and provided with grooves, a coupling having a notch for receiving the grooved portion of the head for effecting an interlocking detachable engagement therewith, arms hinged to the coupling and provided with rim engaging jaws, a base carried by the standard and having an opening formed therein, said standard also having an opening in its side, a rim engaging element embodying a bar to be inserted through the opening in the base and carrying a laterally extending bolt to detachably enter the opening in the standard, said bar having a jaw to engage the rim.

1,512,625. HACK-SAW BLADE. JOSEPH FREDRICK MILLER, Elizabeth, N. J. Filed Oct. 25, 1923. Serial No. 670,744. 1 Claim. (Cl. 143—133.)



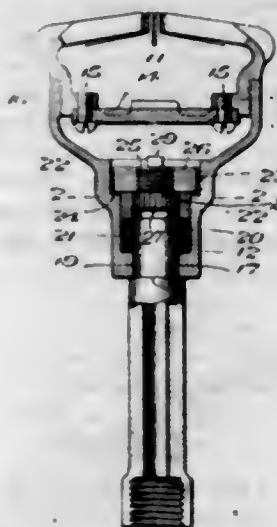
A hack saw blade provided at its ends with a plurality of terminal teeth, and equipped intermediate its ends with a plurality of secondary teeth, the terminal teeth being longer than the secondary teeth, and the set of the terminal teeth being greater than the set of the secondary teeth.

1,512,626. BENCH-TYPE GEAR-TESTING MACHINE. PAUL M. MUELLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 11, 1922. Serial No. 528,469. 8 Claims. (Cl. 33—147.)



1. A device for testing gears comprising in combination, a base, a support fixed thereto, and a gear testing device mounted on said support, said device having gear tooth engaging members movable relatively to each other and adapted to engage sides of teeth of a gear positioned on said base, said members engaging the gear being tested upon straight line elements of the tooth surface.

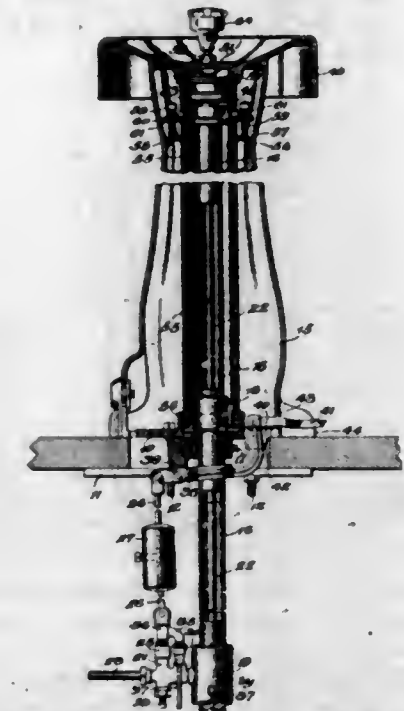
1,512,627. SWIVEL BUBBLING HEAD. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,492. 7 Claims. (Cl. 299—15.)



1. In a drinking fountain, a supply pipe, a cup member rotatably mounted on said pipe, a cap connected to said cup member, a baffle plate engaging the bottom of

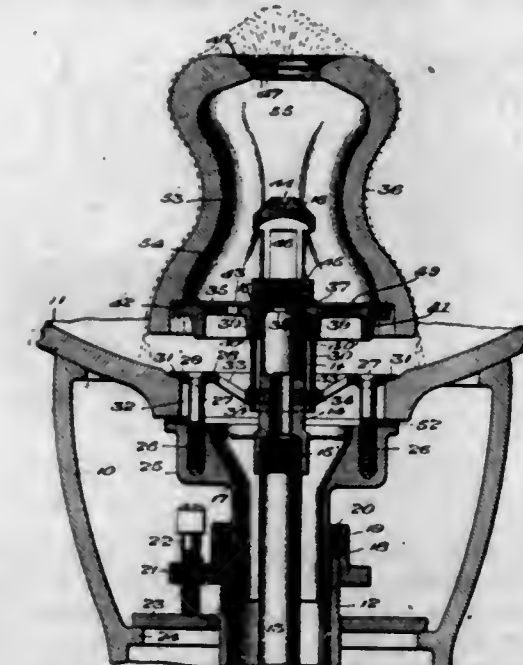
said cap, means detachably connected to said supply pipe for preventing removal of the cup member therefrom, said means being accessible only upon removal of the baffle plate from the cup member.

1,512,628. ANTIFREEZING DRINKING FOUNTAIN. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,493. 12 Claims. (Cl. 299—13.)



1. In a drinking fountain, and in combination, a base, a pedestal removably mounted on said base, a waste-bowl thereon, a waste-pipe mounted in said base and traversing said pedestal from said waste-bowl to a point below said base, a supply-pipe traversing said waste-pipe and having a drinking head at its upper end, a supply-valve below said base connected with said supply-pipe, valve-operating means extending outside of said pedestal, a sleeve surrounding said pipes removably mounted at one end of said base and coupled at its opposite end to said waste bowl for the purpose specified.

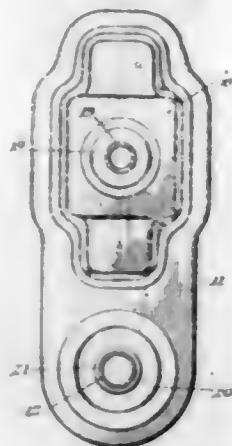
1,512,629. BUBBLER HEAD. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,494. 13 Claims. (Cl. 299—12.)



1. In a drinking fountain, a bowl, a waste pipe, a strainer for said bowl, removable means for securing said strainer to the waste pipe, a supply pipe passing

upwardly through said strainer, radially disposed circumferentially spaced elements between the strainer and said supply pipe to prevent relative lateral movement of said strainer, and a bubbler head mounted above and over said strainer to conceal the same and prevent access to the securing means therefor.

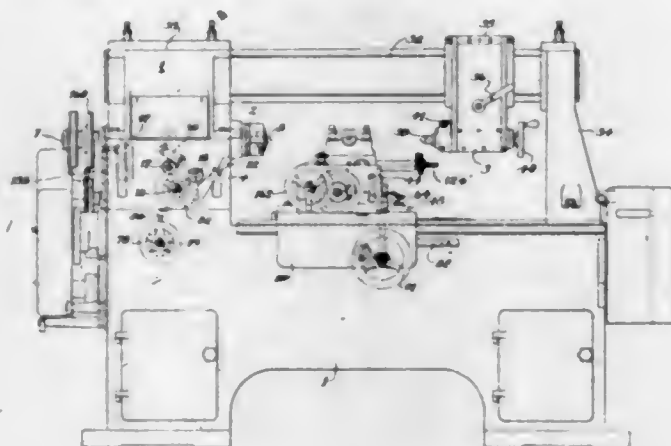
1,512,630. HOUSING FOR WATER FIXTURES. PHILIP MUELLER and ANTON C. SCHUEMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Apr. 21, 1923. Serial No. 633,741. 20 Claims. (Cl. 137-111.)



1. In a fitting of the class described, the combination of a base member having pipe-receiving apertures therein, means for securing said base member to a suitable support, a fixture-housing member having a pipe-receiving aperture therein and adapted to be seated upon said base member, and concealed means to hold said housing member in place upon said base member.

4. In a fitting of the class described, the combination of a base member having a pipe-receiving aperture in its front wall and a pipe-receiving aperture in its end wall, means for securing said base member to a suitable support, a fixture-housing member having a pipe-receiving aperture therein and adapted to be seated upon said base member, and means to hold said housing member in place upon said base member.

1,512,631. UNIVERSAL RELIEVING MACHINE. FRIEDRICH MUELLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 22, 1921. Serial No. 463,541. 23 Claims. (Cl. 82-19.)

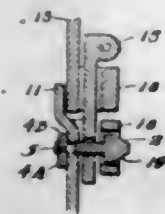


1. In a lathe, the combination of a work supporting and driving spindle, a drive shaft operatively connected to the spindle, to rotate the latter at a reduced speed, a tool supporting carriage, a screw for moving the carriage longitudinally of the spindle, two shafts parallel with and adjacent the screw, means for driving one shaft relatively slowly from the spindle, means for driving the other shaft relatively fast from the drive shaft

independently of the spindle, and change speed gearing adapted to operatively connect the screw to either of said shafts.

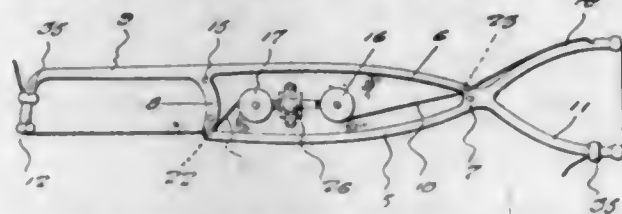
10. In a relieving lathe, the combination of a work supporting and driving spindle, a tool holder, a shaft adapted to reciprocate the tool holder toward and from the work to effect relieving, a synchronous operative connection between the shaft and spindle, and means comprising a sliding gear and a hand wheel operatively connected thereto whereby such connection may be disengaged and a relative rotative movement effected between the spindle and shaft, the hand wheel being adapted to effect both the disengaging movement and the rotative movement.

1,512,632. FASTENING MEANS FOR RAILWAY-WAGON DOORS AND THE LIKE. MALCOLM STEWART SCOTT O'CONNOR, Lucknow, United Provinces, India. Filed May 3, 1922. Serial No. 558,279. 8 Claims. (Cl. 292-150.)



1. Means for fastening the overlapping section of grain or other car doors including in combination keeper brackets secured to the edges of the adjacent door sections one of which is provided with an opening, an apertured cotter pin connected with one of the door sections and engageable with the keeper brackets and a bolt engaged through the apertured keeper bracket the apertured pin and adjacent door section and means on the inner end of the bolt for automatically locking the bolt against displacement subsequent to the application thereof.

1,512,633. DENTAL FLOSS HOLDER. JOHN A. PECKHAM, Roxbury, Mass. Filed Nov. 15, 1923. Serial No. 674,983. 3 Claims. (Cl. 132-92.)

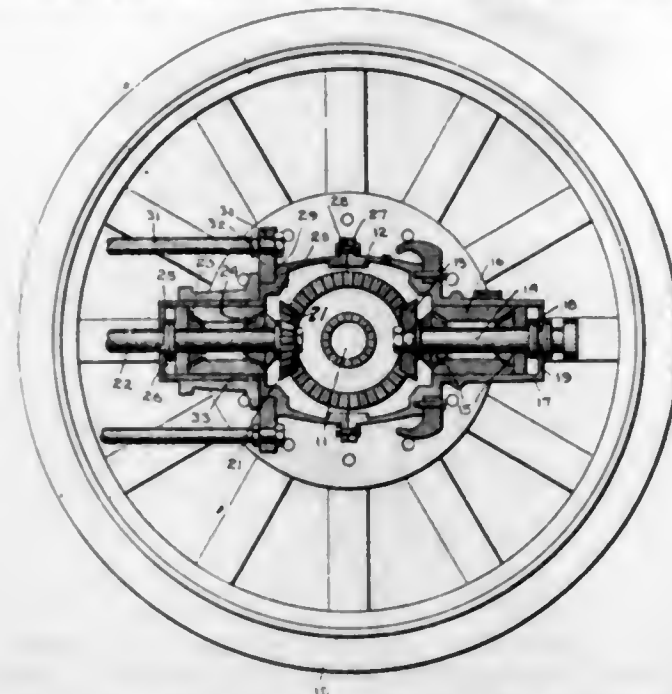


1. In a dental floss holder of the character described, a hollow handle having means for removably journaling a pair of dental floss holding spools therein in spaced relation, a fork rigid with one end of the handle and composed of a pair of longitudinally extending outwardly diverging arms, a U-beam rigid with the other end of the handle and including spaced transversely extending arms, means carried by the handle between the spools for releasably holding the same against rotation, said arms being provided with openings through which the threads of the spools may be passed whereby a portion of the thread of one spool may be extended across and exposed between the ends of a fork arm and a portion of the thread of the other spool may be extended across and exposed between the arms of the U-beam, and means associated with one arm of the fork and one arm of the U-beam for holding their respective threads under tension when the spools are held against rotation.

1,512,634. DRIVE FOR MOTOR VEHICLES. FRED N. PETTEGREW, Fox Lake, Wis. Filed Aug. 25, 1920. Serial No. 405,778. 1 Claim. (Cl. 180-22.)

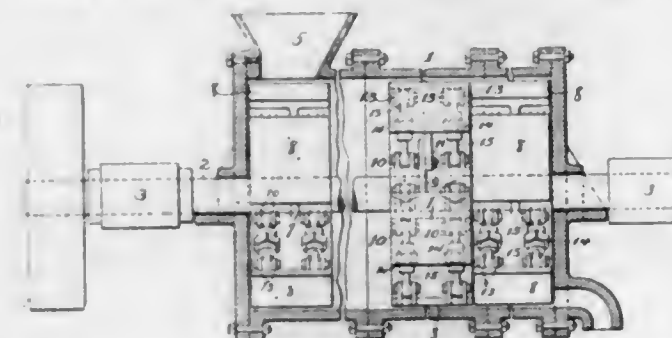
1. In a drive for motor vehicles, an axle carrying a beveled pinion, an axle housing including a forward extension, a shaft extending through the forward extension

and carrying a pinion on one end thereof, meshing with the first mentioned pinion, said shaft being journalled in the forward end of the extension, bearings in the extension and disposed at opposite ends thereof, said



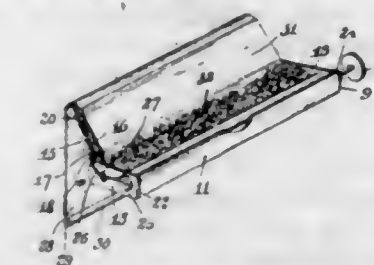
bearings supporting the shaft, said shaft adapted to be connected to the propeller shaft of the vehicle, and means embracing the extension and having connection with the axle housing for holding the axle housing against movement.

1,512,635. ORE SEPARATOR. ROBERT JAMES PIERSON, Houston, and ALBERT DOWLER RILEY, Crafton, Pa., assignors to Standard Chemical Company, Pittsburgh, Pa. Filed May 15, 1920. Serial No. 381,658. 3 Claims. (Cl. 83-11.)



1. A machine for removing pulverulent value-bearing constituents from said gangue, comprising a container having a smooth inner face, a revoluble shaft, a member carried by said shaft and having normally fixed relation thereto, said member having a smoother curved working face spaced at all points from the smooth inner face of the container and so disposed relatively to said inner face as to provide a continuously moving wedge-shaped space open at both ends.

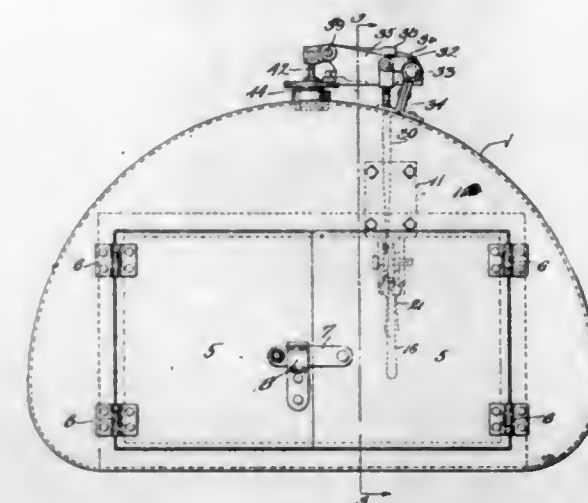
1,512,636. CIGARETTE-MAKING DEVICE. CHARLES H. POHLE, Buffalo, N. Y. Filed Aug. 9, 1921. Serial No. 490,853. 2 Claims. (Cl. 131-5.)



1. A cigarette making device, comprising a trough-like container, a cover for said container pivotally secured thereto, the pivot of said cover extending along the end

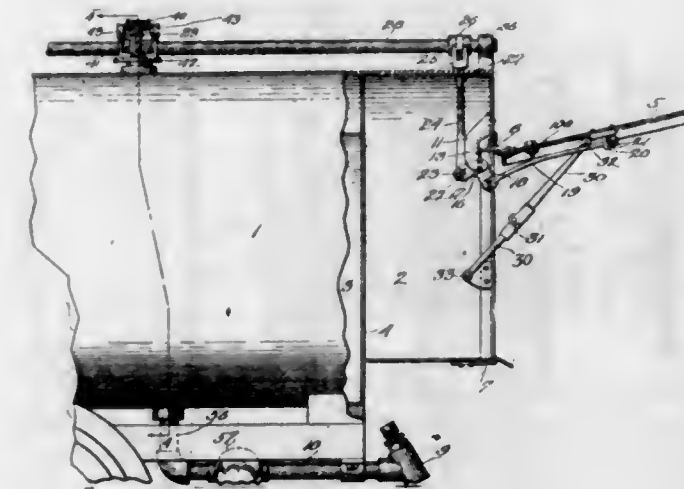
of said container and serving as a pawl, a roller extending lengthwise through said container, a ratchet wheel on said roller with which said pawl engages, and a rolling apron secured to said roller.

1,512,637. TANK WAGON. ANDREW F. ROBINSON, Arlington, Mass., assignor to Standard Oil Company of New York, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1920. Serial No. 367,252. 31 Claims. (Cl. 221-67.)



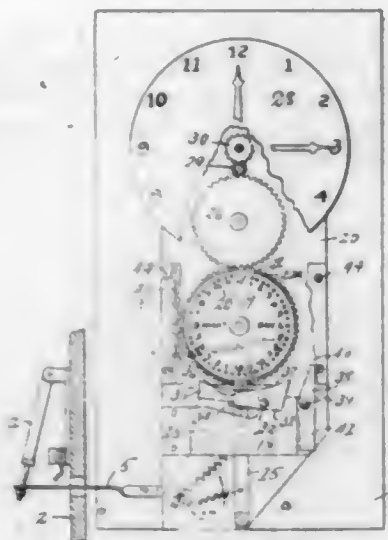
15. The combination with a vehicle tank having a bottom outlet, and a box at one end of the tank having a door, of a valve adapted to close said outlet, and operating connections passing from the valve to the box and there having means whereby the valve must be closed when the door is closed.

1,512,638. TANK WAGON. ANDREW F. ROBINSON, Arlington, Mass., assignor to Standard Oil Company of New York, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1921. Serial No. 508,008. 4 Claims. (Cl. 221-67.)



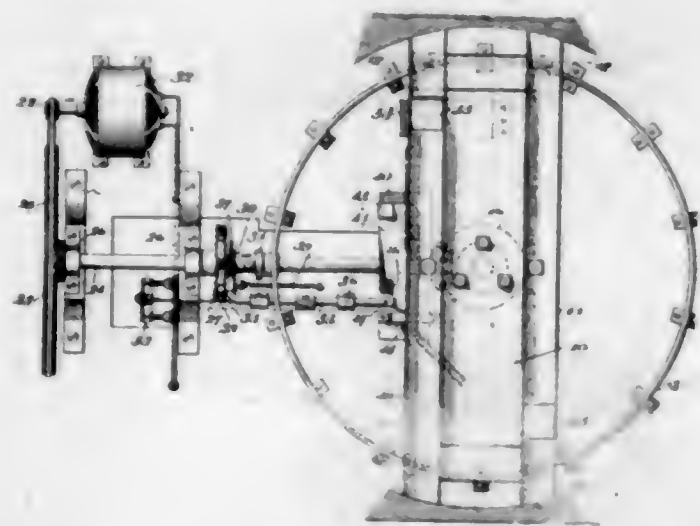
1. A tank wagon, having, in combination, a body provided with an outlet; a shut-off valve controlling said outlet; a compartment; a movable closure for said compartment; a shut-off valve operating lever; means connecting said lever with said shut-off valve; a link pivotally connected with said lever, and means connecting said link with said closure through which movement of said closure in one direction acts through said link to operate said lever in a direction to open the shut-off valve.

1,512,639. TIME-CONTROL-SWITCH-ACTUATING MECHANISM. JACOB RUBIN, Charleston, W. Va. Filed Jan. 5, 1923. Serial No. 610,790. 4 Claims. (Cl. 200-35.)



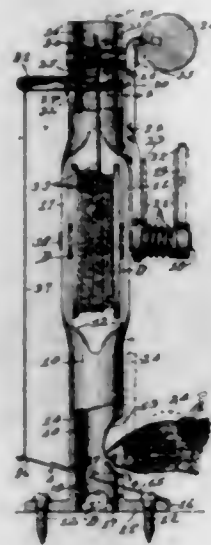
1. The combination with a circuit closing element adapted to be actuated by a reciprocating movement, of a spring actuated lever-operatively connected with said element to effect circuit closing movement, a second spring actuated lever having means for engagement with the first lever to effect circuit opening movement of said element, a trip disk, means for continuously rotating the trip disk at a uniform rate, trip pins selectively insertable in perforations formed in said disk to effect the alternate operations of the first and second said levers, a latching pawl operatively engaged with the first said lever, and means carried by the second said lever and operatively engaged with said pawl to effect release of the same from the first said lever.

1,512,640. TURNTABLE. FRED JOHN RUMP, Versailles, Ky. Filed Apr. 23, 1924. Serial No. 708,518. 5 Claims. (Cl. 104-38.)



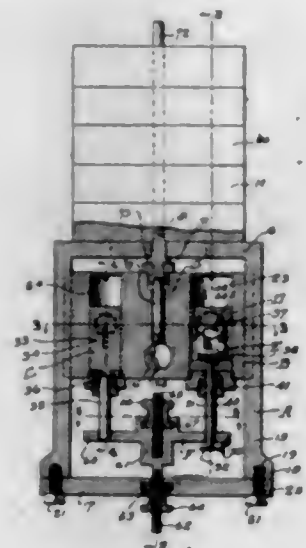
1. In combination: a turntable, a motor, a switch controlling the motor, speed reduction gearing between the motor and the turntable, a clutch in said speed reduction gearing, a common control for the clutch and switch, vehicle operated means for setting the control so as to cause the clutch to be engaged and the switch to be closed, and turntable operated means for setting the control so as to cause the clutch to be disengaged and the switch opened.

1,512,641. AUTOMATIC SELF-SETTING ANIMAL TRAP. CHARLES JULIUS SCHOENING, Los Angeles, Calif. Filed May 26, 1921. Serial No. 472,807. 6 Claims. (Cl. 43-75.)



4. An animal trap comprising a supporting member, a tripping plate mounted at the base thereof, a drum transversely journaled thereon, a striking arm axially aligned with said drum, a shaft for said drum and said arm, a spring on said shaft for resiliently connecting said drum and said arm, and means connected with said tripping plate for releasing said arm whereby the same is moved into contact with and for striking the head of an animal, as described.

1,512,642. UTILITY CONTROL. JOHN W. SHAW, New Orleans, La. Filed Feb. 14, 1922. Serial No. 530,474. 8 Claims. (Cl. 226-26.)

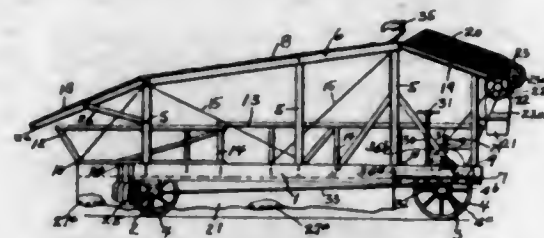


1. In a control for liquid fuel burning apparatus, a valve head having steam and oil ports, control valves for said ports slidably mounted in the head, a frame slidably mounted upon the head, means connecting the valves with the frame, weights carried by the frame for yieldably resisting sliding of the frame in one direction, and steam actuated means for sliding the frame against the action of the weights.

1,512,643. INSECT DESTROYER. THOMAS A. SISSOM, Italy, Tex. Filed Feb. 26, 1923. Serial No. 621,434. 4 Claims. (Cl. 43-140.)

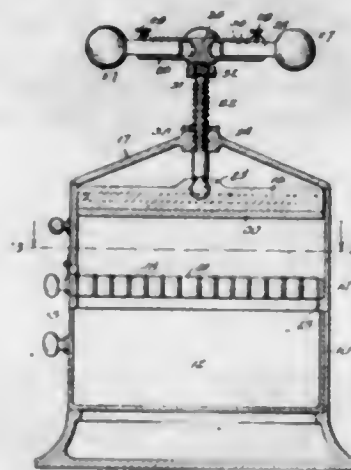
1. In an insect destroyer, a wheeled frame, a series of rustling devices including bags having shavings therein, cords to suspend the bags, a wire from which

the cords are suspended, a tubular trap open to the insects at one end, a container depending from the rear of the trap to receive the insects, a suction fan adjacent



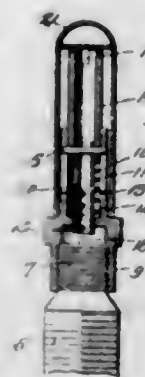
to the point of connection between the trap and container to draw the insects through the trap and into the container, and means to actuate the fan.

1,512,644. FOOD-PREPARING MACHINE. SEYMOUR W. SMITH, Hartford, Conn. Filed Jan. 4, 1924. Serial No. 684,421. 6 Claims. (Cl. 146-169.)



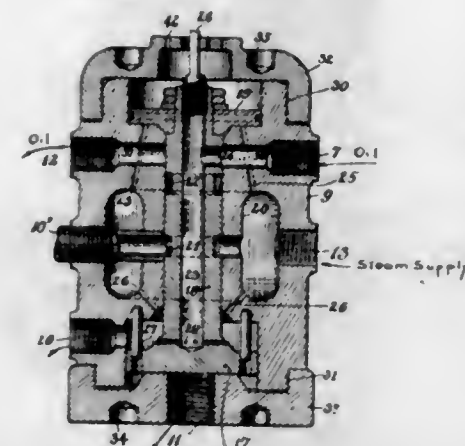
1. In a machine for cutting, slicing or scoring articles of food, a casing, a cutter member transversely arranged therein, a centrifugally operated pressure member mounted for longitudinal movement in the casing for forebly engaging the articles with the cutter member, said pressure member including adjustable means for regulating the centrifugal force whereby to vary the impact of the same, and means for regulating the stroke of the pressure member whereby to vary the depth of the cut of the cutter member in the articles to be cut.

1,512,645. TIRE DEFLATOR. WILLIS A. SMITH, San Angelo, Tex., assignor of one-half to (Mrs.) M. A. Monroe Smith, San Angelo, Tex. Filed Jan. 8, 1924. Serial No. 685,023. 2 Claims. (Cl. 152-12.)



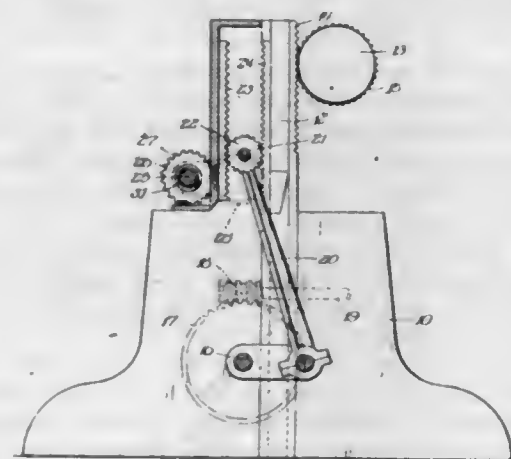
1. A cap for the valve stem of pneumatic tires including a cap body engageable with the valve stem and equipped with a concentric tube, a spring normally holding said tube spaced from said stem, and an abutment mounted in said tube and movable against the resistance of said spring to release the valve in the valve stem.

1,512,646. AUTOMATIC OILING, DRIFTING, AND VACUUM-BREAKING DEVICE. CHARLES STERN, Jersey City, N. J., and RICHARD W. BRADEN, New York, N. Y., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 14, 1921. Serial No. 461,447. 4 Claims. (Cl. 121-137.)



1. A device of the class described comprising a chamber in constant open communication with a source of saturated steam supply and in controlled communication with the valve chest of a locomotive, and means for introducing lubricant to the locomotive steam supply when normal operating pressure exists in the valve chest and for cutting off this lubricant from the steam supply and furnishing the lubricant to the saturated steam supply when the pressure in the steam chest falls.

1,512,647. DRIVING AND COUNTERBALANCING MECHANISM. BURT D. STEVENS, Evanston, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1921. Serial No. 452,889. 2 Claims. (Cl. 101-282.)

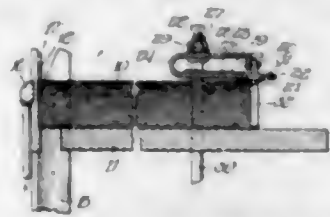


1. In a printing press, a vertically movable printing form bed, means for reciprocating said bed vertically, a rack on said bed, a gear secured to a fixed portion of the press and meshing with the rack, and spring means associated with the said gear whereby energy is stored in said spring as the bed moves downwardly and is released by the spring as the bed moves upwardly.

1,512,648. STOCK-PILE-FEED MECHANISM. BURT D. STEVENS, Evanston, Ill., assignor to Miehle Printing Press & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1922. Serial No. 546,457. 12 Claims. (Cl. 271-61.)

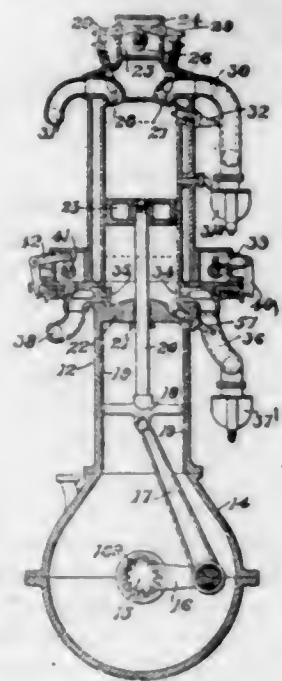
1. In stock pile feed mechanism, the combination of means for floating the top sheet of the pile, and yield-

able means for guidably advancing the position of such top sheet as a result of its being floated and propelled



by the floating means, said yieldable guiding means advancing the sheet in a direction opposite to the flow of the floating means.

1,512,649. INTERNAL-COMBUSTION ENGINE. MAXWELL STOCKMAN, Kansas City, Mo. Filed Oct. 1, 1923. Serial No. 665,747. 7 Claims. (Cl. 123-81.)

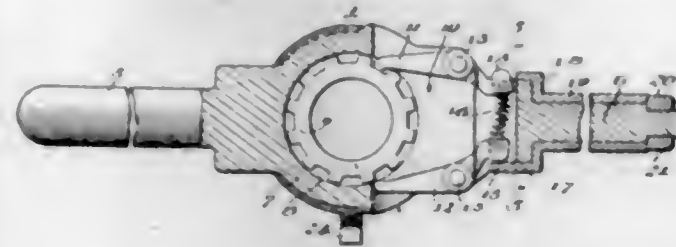


7. In an internal combustion engine of the vertical multiple-cylinder type, said cylinders having combustion chambers at the upper and lower ends thereof, a crankshaft, a vertical reciprocable crosshead for each cylinder, each of said crossheads being connected to the camshafts by connecting rods, piston rods connected to said crossheads and extending within said cylinders, flat pistons within the cylinders and fixed to said piston rods, intake and exhaust valves in the upper ends of said cylinders, said valves being disposed at opposite angles with relation to the vertical axis of the cylinders, a camshaft arranged longitudinally of the engine above the cylinders and common to all the valves in the upper ends thereof, horizontally disposed intake valves for the lower combustion chambers of the cylinders, said valves being disposed at one side of the cylinders, horizontally disposed exhaust valves disposed at opposite sides of the cylinders, a camshaft disposed at each side of the cylinders for operating said intake and said exhaust valves of the lower combustion chambers in timed relation, ignition means for the upper and lower combustion chambers, said ignition means including separate magnets for the upper and lower combustion chambers, and a chain drive for driving said camshafts and said magnets directly from the crankshaft of the motor.

1,512,650. TEMPER SCREW. JOSEPH STROBEL, Tulsa, Okla. Filed Feb. 10, 1923. Serial No. 618,411. 1 Claim. (Cl. 74-54.)

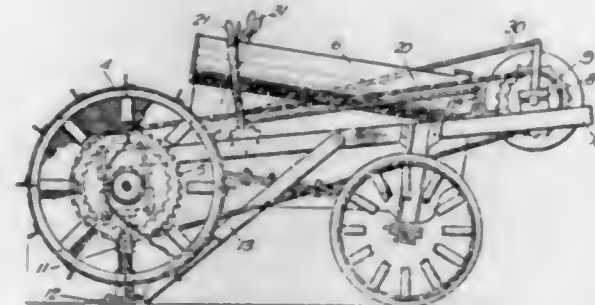
In combination with a temper screw, a ratchet composed of a toothed cylinder having smooth ends carried by the screw, a double handle having a solid medial head provided with a bore receiving said ratchet and a communicating chamber at one side, one of the handles

being reduced and thereby forming a circular shoulder, a collar fastened on each of the smooth ends to provide holding means on which said head turns, a pair of pawls pivoted in said chamber and having rounded heads beyond the pivots, a spring between the heads pressing them apart and tending to move the pawls into engagement with the ratchet, a sleeve revolvably mounted on the reduced handle, said sleeve having a circular



collar riding said shoulder and having a flange adapted to engage either one of the rounded heads or to be moved out of engagement with both permitting the spring to move one of the pawls into contact with the ratchet or permit both of the pawls to engage so as to produce a rigid connection, and a threaded end on said reduced handle carrying a nut to hold said sleeve in place.

1,512,651. TRACTION PULLING AND LIFTING DEVICE. FRANK W. SUTTON, Bristow, Okla. Filed Mar. 24, 1923. Serial No. 627,513. 2 Claims. (Cl. 254-166.)

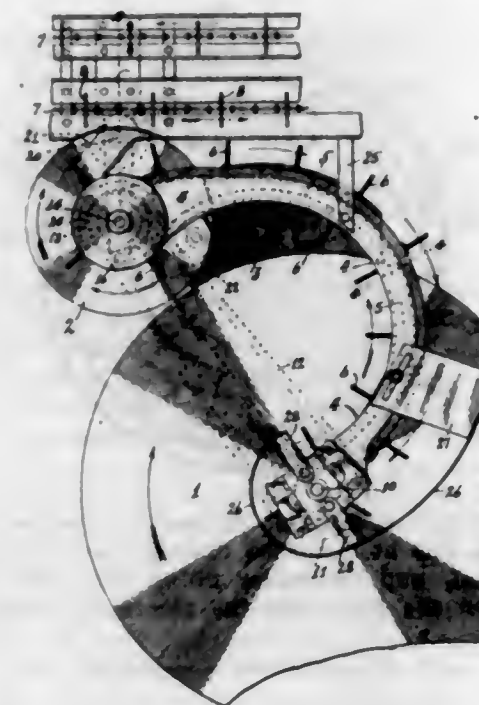


1. The combination with a power unit having a power shaft and a plurality of different sized sprocket wheels carried by said shaft adjacent each end thereof, of a supporting frame, a shaft carried by said frame, a drum loosely carried by the last mentioned shaft, a concentrically arranged, combination brake band race and female clutch unit formed integrally with each end of said drum, a combination unitary structure loosely mounted on the shaft carried by said supporting frame outwardly of each end of said drum and resiliently retained in spaced relation thereto, said combination unitary structures each consisting of a male cone clutch unit and a plurality of different sized sprocket wheels formed integrally with each other; a brake band associated with each brake band race, means for operating said brake bands in unison, a sprocket chain operatively connecting the sprocket wheels carried by the adjacent ends of said shafts, and means for moving said combination unitary structures in unison toward said drum ends for connecting said drum to said power shaft by operatively connecting said cone clutch units.

1,512,652. CAN FEEDER. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barnegrove Mfg. Co., San Jose, Calif., a Corporation of California. Filed May 16, 1923. Serial No. 639,437. 5 Claims. (Cl. 198-22.)

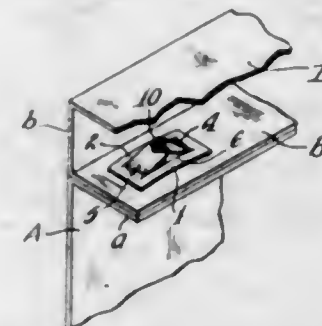
1. A can-feeder comprising a rotatable table to receive and advance an unorganized crowd of cans; and an independently travelling conveyor overlying the table

with pockets to receive the advanced cans, said pockets functionally traveling from the table axis to and beyond the table perimeter in a curved path concave to face



the direction of the can advance, whereby cans are taken from the unorganized crowd and carried off the table in file.

1,512,653. SPRING NUT. ALBERT H. TINNEMAN, Cleveland, Ohio. Filed Jan. 19, 1923. Serial No. 613,928. 2 Claims. (Cl. 151-21.)

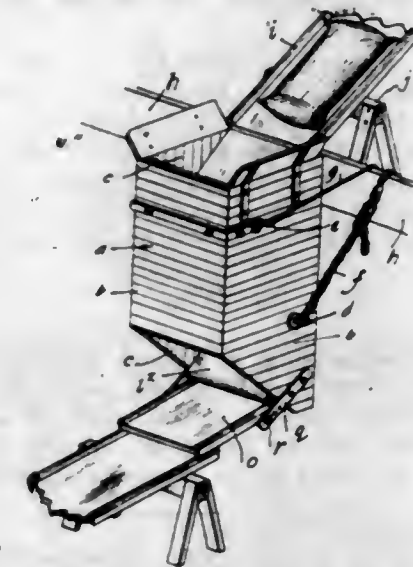


1. A nut adaptable for use in connection with threaded bolts comprising an arch-shaped metal stamping of rectangular form having a base portion and two opposed thread engaging spring tongues arched upwardly with relation to the base, the arch of the tongues being opposite to the arch of the base portion of the stamping and the longitudinal edges of the tongues being adapted to fit closely with the longitudinal edges of the stamped opening from which they are upset, the tongue portions of the nut being adapted to remain arched upwardly when the base portion thereof is substantially flattened as the tongues are brought into firm engagement with the threads of a bolt.

1,512,654. SACK LADDER. MATTHEW TROY, Portland, Oreg. Filed Nov. 3, 1921. Serial No. 512,472. 1 Claim. (Cl. 193-27.)

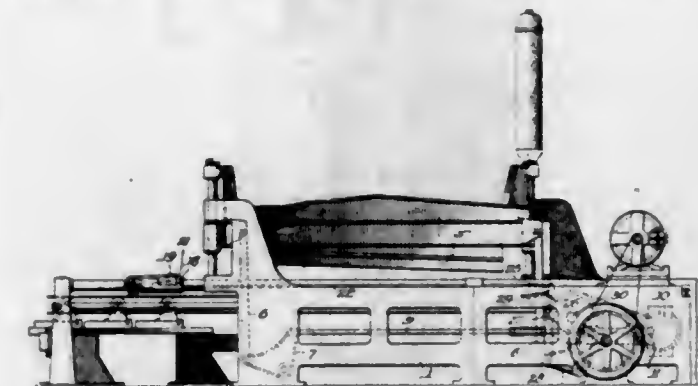
A sack ladder comprising an elongate casing of rectangular cross section, a series of inclined steps projecting alternately from opposite walls of the casing and extending part way across the space separating said walls, said steps being so relatively arranged that the plane of the tread of an upper step, if extending to the opposite wall, would intersect the latter some distance above the point from which the next lower step pro-

jects from such wall, thereby providing a wall surface above said point against which the sack will be projected from the overlying step and along which it will



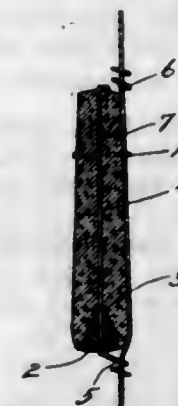
glide to said next lower step, and thus permitting the sack gradually to change from one form to another in descending the ladder.

1,512,655. MACHINE FOR CUTTING FABRICS. EDWARD J. VAN AMBURGH, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 1, 1919. Serial No. 341,648. 17 Claims. (Cl. 164-48.)



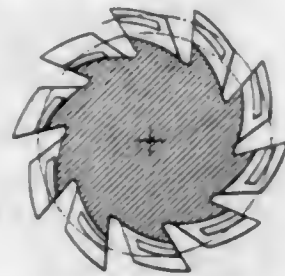
1. In combination with a machine for cutting strips of fabric, a cutting element, means for feeding the material past the cutting element, and mechanism operable to change the extent of feeding action after each operation of the cutting element.

1,512,656. CASTING FLOAT. DANA B. WARD, Kansas City, Mo. Filed July 10, 1922. Serial No. 573,941. 1 Claim. (Cl. 43-49.)



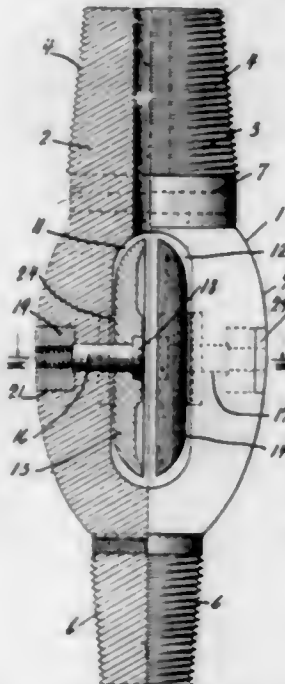
A float tapering from one end to the other and having a cavity in one of its ends, a weight filling said cavity, a wire extending through said float and at its opposite ends being bent at substantially right angles and being twisted to form spiral guides having their axes in substantial vertical alignment beyond the side wall of the float, and a clamping element encircling the float and adjustable lengthwise thereof.

1,512,657. HOB. ERNEST WILDHABER, Brooklyn, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed June 8, 1922. Serial No. 566,856. 14 Claims. (Cl. 29-103.)



1. A hob, comprising a thread having any predetermined lead, teeth formed in the thread by flutes, and projecting ground ribbons on the sides of a portion of the teeth, said ribbons being so spirally arranged on the sides of the teeth as to effect the finishing cut.

1,512,658. HOLE ENLARGER. SHELLEY GANES WOODRUFF, Long Beach, Calif. Filed Feb. 6, 1923. Serial No. 617,294. 8 Claims. (Cl. 255-76.)



1. In a device of the character described, a casting, a tool, and means for supporting the latter in the former with freedom of tilting motion comprising a bolt engaging the tool passing through the casting and a swivel nut holding the bolt against endwise motion but allowing of swinging motion of the same, with a washer provided on the bolt swinging in a recess in the casting adapted to limit the tilting motion of the tool.

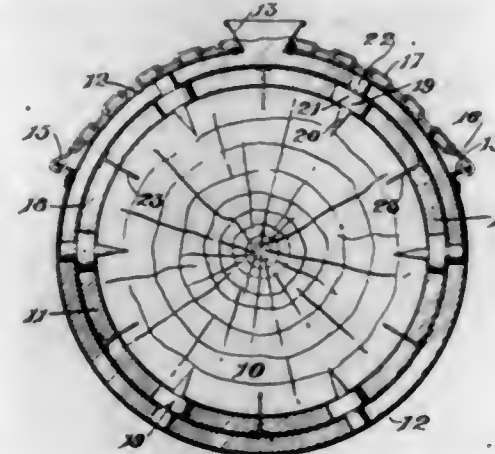
1,512,659. COMPOSITION FOR TREATING PILING. CARL L. WRIGHT and EDWARD TOAL, Oakland, Calif. Filed May 18, 1921. Serial No. 470,696. 1 Claim. (Cl. 116-31.)

A composition of the class described comprising asphaltum, crushed red brick, and air slaked lime in proportions whereby to provide a heat resisting and elastic product.

1,512,660. METHOD OF TREATING PILING. CARL L. WRIGHT and EDWARD TOAL, Oakland, Calif. Filed May 18, 1921. Serial No. 470,697. 4 Claims. (Cl. 25-118.)

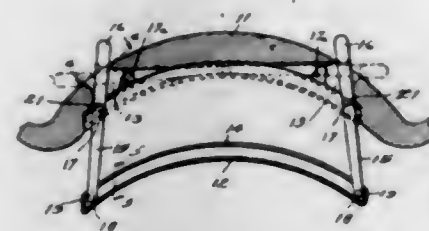
1. A form for use in applying a coating of material to a pile comprising a pair of substantially semi-circular complementary form units of semi-rigid material; and means for holding said units around a pile with their contiguous edges forming an overlapping joint.

4. A method of treating piling which consists in applying a protective coating to the surface of the piling, thereafter wrapping tarred paper around the pile, then arranging reinforcing material around the pile at a



spaced distance therefrom, thereafter arranging a form around the pile at a spaced distance from the reinforcing material, and thereafter filling the space intervening between the form and the pile with protective material.

1,512,661. ADJUSTABLE NOSE PIECE FOR SPECTACLES AND EYEGLASSES. LEW ARNTZ, Des Moines, Iowa. Filed Feb. 26, 1923. Serial No. 621,243. 4 Claims. (Cl. 88-41.)



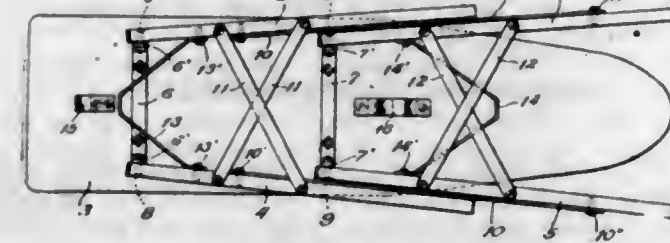
1. In a nose piece structure for spectacles and the like, a nose piece, an auxiliary nose piece, members having a pivotal connection with the nose piece and a sliding pivotal connection with the auxiliary nose piece, whereby the auxiliary nose piece may be adjusted toward or from the first-named nose piece.

1,512,662. PNEUMATIC-TUBE DUST CAP. FRED ATKINSON and JACK ROSS, New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,469. 5 Claims. (Cl. 152-12.)



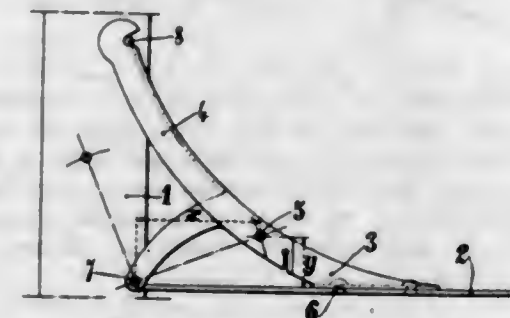
1. A dust cap of the class described comprising a sleeve and an inflation valve housing attached thereto adapted to be positioned on the felly of a wheel and a locking element cooperating with the sleeve for preventing the separation thereof.

1,512,663. IRONING BOARD. WILLIAM BACHRACH, Chicago, Ill., assignor to The Dearborn Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,466. 1 Claim. (Cl. 68-10.)



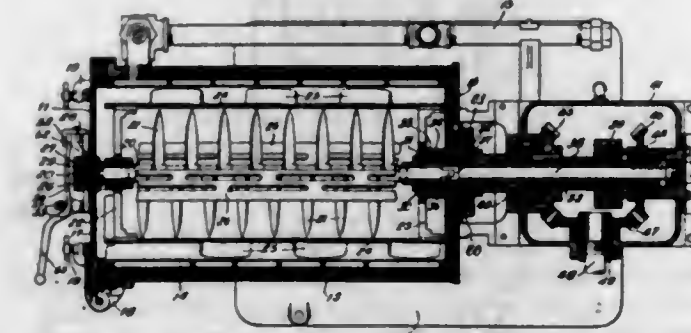
An ironing board comprising a top, opposite pairs of legs pivoted to the top, bracing means extending between and pivotally connected to the legs, substantially V-shaped brackets having their ends pivotally connected to the respective pairs of legs near the upper ends thereof, a stop upon the under side of the top between one end thereof and the adjacent pair of legs and disposed for engagement by the free intermediate portion of the adjacent bracket in the set up position of the device, and a spring detent on the under side of the top between the opposite end of the top and the other pair of legs and having an inclined portion in position for engagement with the free intermediate portion of the other bracket in the set up position of the device.

1,512,664. SYSTEM OF BRACES FOR SUPPORTING THE FOLDING BEDS OF FOLDING CAMERAS. JEAN LOUIS BAILLE, Paris, France, assignor to Baille-Lemaire & Fils, Paris, France, a Company of France. Filed Oct. 30, 1922. Serial No. 597,986. 4 Claims. (Cl. 95-40.)



1. In a folding photographic apparatus, a frame, a folding bed, a joint connecting the folding bed to the frame, two braces jointed on the folding bed so as to be capable of rocking at right angles to its plane, an abutment for each brace and integral with the folding bed, an abutment for each brace and integral with the frame.

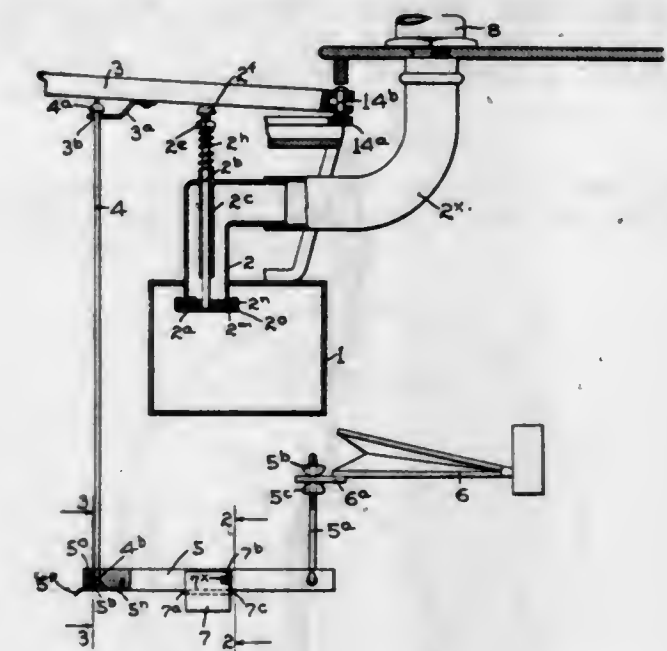
1,512,665. ICE-CREAM FREEZER. RALPH B. BAGBY, Cedar Rapids, Iowa, assignor to J. G. Cherry Company, Cedar Rapids, Iowa, a Corporation of Iowa. Filed Aug. 4, 1922. Serial No. 579,668. 7 Claims. (Cl. 259-105.)



1. In an ice cream freezer, the combination of a cylinder, an axial rotary dasher therein including a dasher shaft and a spider rotatable upon the shaft, dasher driving means including an outer hollow drive

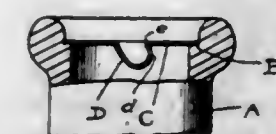
shaft and an inner drive shaft within the hollow drive shaft, said hollow drive shaft extending inwardly through one of the cylinder heads, the other cylinder head being removable, the dasher being insertable and removable through the end of the cylinder having the removable head, there being a slip joint drive connection between the inner end of the hollow shaft and the spider and also between the dasher shaft and the inner drive shaft, the hollow drive shaft and the spider being provided with self centering means including a tapered concentric recess in the spider and a complementary tapering concentric projection on the hollow drive shaft.

1,512,666. AUTOMATIC CALLIOPE. NORMAN G. BAKER, Muscatine, Iowa. Filed Jan. 26, 1923. Serial No. 616,033. 11 Claims. (Cl. 84-25.)



2. In apparatus of the character specified, the combination of a pipe or whistle, a valve for admitting air to the whistle, a key above the valve, a valve rod connected with said valve and extending upwardly to the key, a guide for said rod, a nut on the rod, a spring interposed between the nut and the guide to normally hold the valve closed and regulate the required pressure on the key; and an adjustable nut on the upper end of the rod and contacting with the under side of the key, for holding said key in its normal position; with a strap connected to the key, an oscillating lever below the key, a rod loosely passing through said strap detachably connected to one end of said lever; an actuating device operatively connected with the opposite end of said lever, substantially as described.

1,512,667. MILK-BOTTLE CLOSURE CAP. GERTRUDE E. BALL, Springfield, Mass. Filed Apr. 18, 1922. Serial No. 555,481. 2 Claims. (Cl. 215-5.)



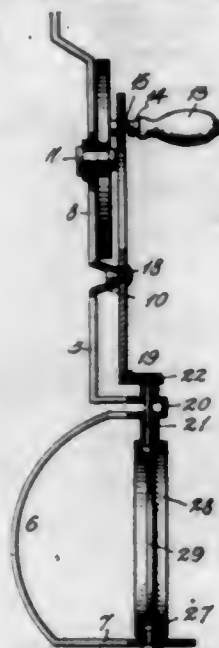
1. A milk bottle closure cap having an extruded finger receiving socket, one side of the socket sloping toward the other side of the socket and the other side of the socket being disposed under the body of the cap to provide a finger abutment.

1,512,668. WELT INSOLE AND PROCESS OF MAKING SAME. LOUIS ELI BEAUDIN, Manchester, N. H., assignor of one-half to Hovey E. Slayton, Manchester, N. H. Filed May 9, 1923. Serial No. 637,840. 4 Claims. (Cl. 36-22.)



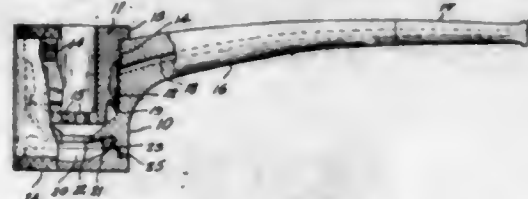
4. As an article of manufacture, a prepared welt insole, having a leather blank extending continuously for the insole tread surface, a second layer attached to said first blank adjacent the forepart and shank, and a sewing rib formed on both said layers, together with a textile reinforcing material secured to said two blanks and entering into the sewing rib.

1,512,669. EGG BEATER. FREDERICK BENSON, San Francisco, Calif. Filed July 5, 1923. Serial No. 649,571. 1 Claim. (Cl. 259-128.)



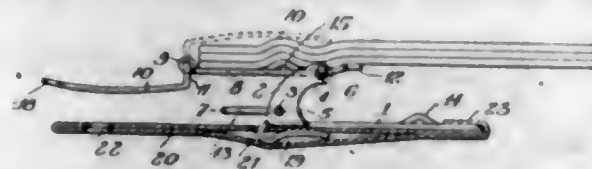
An egg beater comprising a frame formed of a single piece of metal bent to provide a yoke having a horizontal foot at its lower end, a lateral bearing extension disposed in parallel spaced relation to the foot, and an arm having an offset portion; an agitator shaft journaled in the foot and in said extension, a rocker mounted to oscillate on said offset portion and provided with a gear surface, a gear on the agitator shaft in mesh with said gear surface, an agitator on said shaft, and a crank wheel mounted to rotate on said frame and having a driving connection associated with said rocker to actuate same.

1,512,670. SMOKING PIPE. ERIC G. BJORKLUND, Bridgeport, Conn. Filed Dec. 6, 1922. Serial No. 605,175. 4 Claims. (Cl. 131-12.)



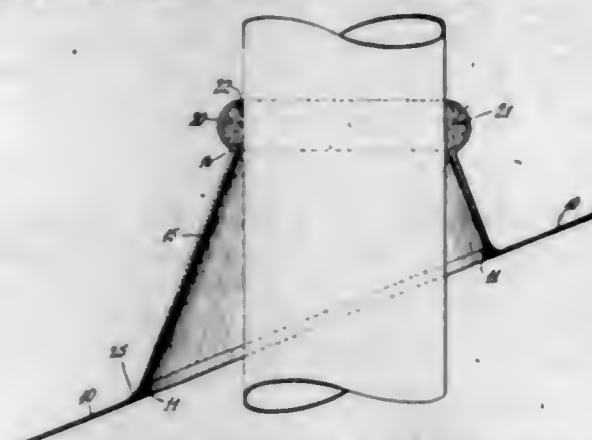
1. A pipe comprising a hollow body, an open bowl in said body and located at a distance from the side walls thereof to provide a space between the bowl and body, said bowl being provided with one or more smoke outlets in the lower part thereof, a downwardly and outwardly extending flange on the outer wall of the bowl in said space and above said outlets, and a stem having a smoke passage leading from said space above said flange.

1,512,671. GARMENT CLASP. MAURICE G. BLANK, Rochester, N. Y. Filed Sept. 28, 1922. Serial No. 591,020. 4 Claims. (Cl. 24-248.)



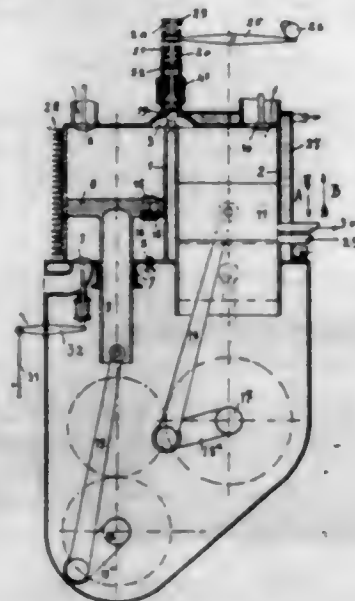
1. In a garment clasp, the combination with two clamping plates pivoted together at one end and between whose opposite ends a garment folded over the first one is adapted to extend, of a third clamping plate pivoted to the second plate to confine the body of the garment between the first and third plates and a latch acting between the second and third plates for maintaining the plates in clamping position.

1,512,672. ROOF FLANGE. FREDERIC D. BLAUVELT, Glen Ridge, N. J. Filed Apr. 1, 1922. Serial No. 548,706. 2 Claims. (Cl. 285-31.)



1. A roof flange, comprising a flat roof-plate having an elliptical hole, a frusto-conical boot extending upwardly from the edge of said hole, and an outwardly bulging flange extending from the upper edge of the boot, the flange and boot being formed of a single piece of pressed lead having its greatest thickness at the flange and gradually diminishing in thickness toward the bottom of the boot.

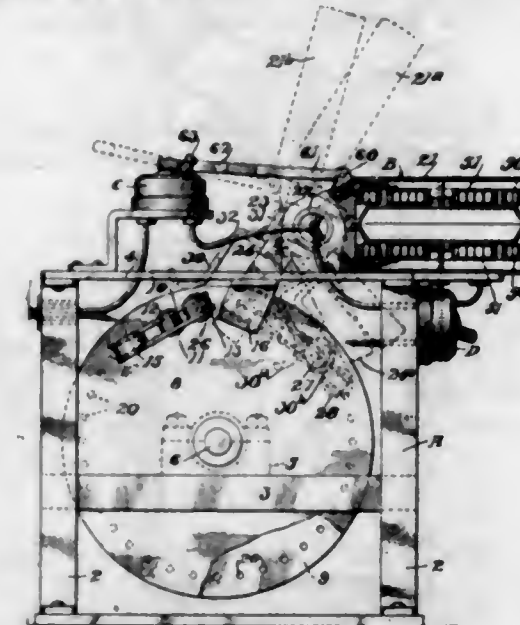
1,512,673. INTERNAL-COMBUSTION ENGINE. LOUIS BREQUET, Paris, France, assignor to Societe Anonyme des Ateliers d'Aviation Louis Brequet, Paris, France. Filed Nov. 7, 1922. Serial No. 599,594. 2 Claims. (Cl. 123-68.)



1. An internal combustion engine comprising a power cylinder, an air compression pump cylinder adjacent the same, a passage connecting said cylinders, means for closing off said passage, a compression piston in said

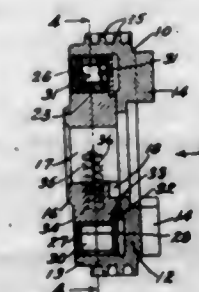
pump cylinder, a positively controlled air suction valve mounted in the cylinder head of the pump which is provided with said passage, a second positively controlled air suction valve mounted in the opposite head of said pump cylinder, an automatic valve mounted on the pump piston for the flow of air from one side of the piston to the other, means for injecting fuel into said passage during the flow of compressed air from the pump to the power cylinder, whereby the fuel is sprayed and the sprayed combustible will be immediately and totally consumed in contact with the molecules of compressed and highly heated air before entering the said power cylinder.

1,512,674. COOKING MACHINE. HENRY A. CAMPBELL, Oakland, Calif. Filed Nov. 21, 1923. Serial No. 676,066. 10 Claims. (Cl. 219-19.)



1. A machine of the character described, comprising a support, an electrically heated cooking unit mounted thereon, a cover for the unit, said cover adapted to be manually closed and automatically opened after a predetermined time interval, means actuated by closing of the cover for closing an electric circuit in the cooking unit, and means actuated by opening of the cover for breaking said circuit.

1,512,675. CLUTCH. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 11, 1922. Serial No. 574,172. 3 Claims. (Cl. 192-45.)

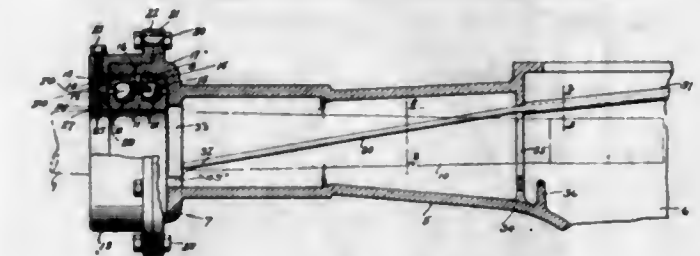


1. A clutch having driving and driven members; and a longitudinally flexible resilient rotatable element adapted to form a driving connection between the said members.

1,512,676. AXLE CONSTRUCTION. EVERETT J. COOK, Oshkosh, Wis., assignor of one-half to Wisconsin Parts Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Aug. 28, 1920. Serial No. 406,721. 2 Claims. (Cl. 184-13.)

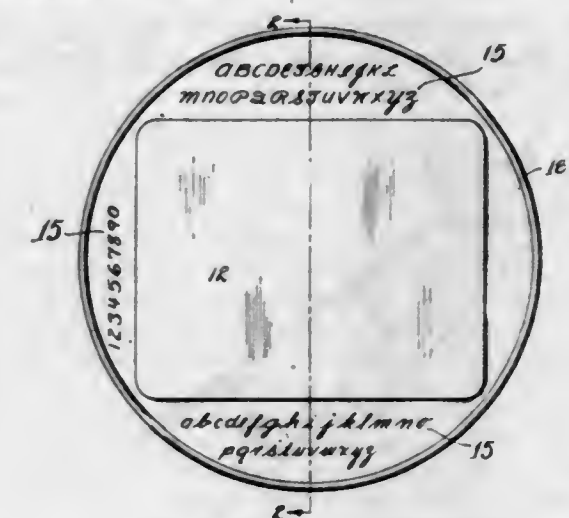
2. An axle housing having a bearing compartment, a drive gear compartment, means for feeding lubricant

splashed by a drive gear in said compartment to the bearing compartment, said means including a diagonally extending trough mounted on the inner side face of and projecting into the housing and having its high end within the gear compartment and its low end within the bearing compartment, an overflow outlet for the



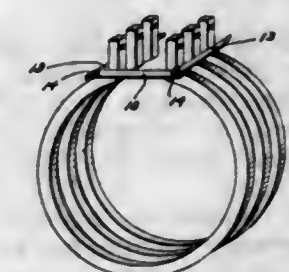
bearing compartment positioned above the lowest portion of the bearing compartment to prevent all of the lubricant being discharged from said compartment, an inlet leading into the gear compartment for the lubricant overflow from the bearing compartment, and a deflector adjacent said inlet.

1,512,677. SCHOOL SLATE. HORATIO G. CRESS, Troy, Ohio. Filed Sept. 28, 1922. Serial No. 591,065. 5 Claims. (Cl. 35-10.)



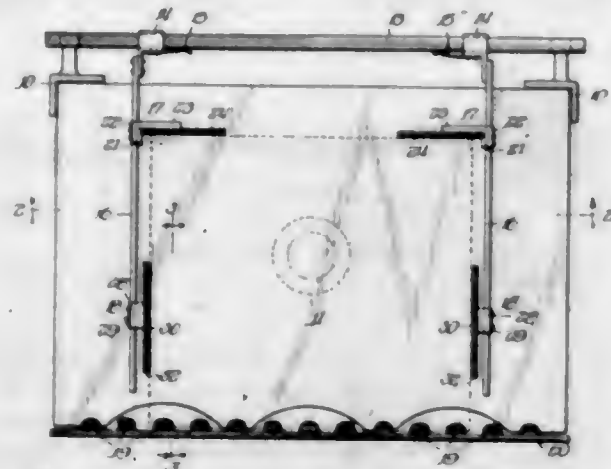
1. In a device of the character described, a pair of sheet metal plates having raised portions disposed opposite each other, and each having a flat portion extending around the marginal edge of the raised portion, a filler intermediate the raised portions, said raised portion being treated for writing purposes.

1,512,678. ASSEMBLING TOOL. JOHN B. DES ROSIERS, Providence, R. I., assignor, by mesne assignments, to Kitauto Company, Providence, R. I. Filed July 27, 1923. Serial No. 654,270. 5 Claims. (Cl. 29-87.1.)



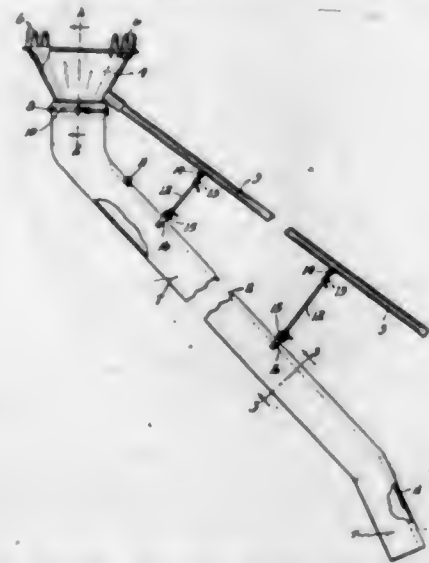
1. An assembling tool having a bridge bar, a pair of side arms pivotally connected to said bar in spaced relation to stand parallel with each other and provide a work-engaging yoke, said arms being foldable to lie side by side.

1,512,670. DELIVERY-TABLE MECHANISM. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1922. Serial No. 546,320. 4 Claims. (Cl. 271-61.)



1. In delivery table mechanism, the combination of a delivery table, stationary sheet guide means, and vertically movably mounted means associated with said stationary guide means for maintaining contact with said table to prevent displacement of the sheet material fed thereto.

1,512,680. FRUIT PICKER. AXEL V. EDSTROM, Welch, Minn. Filed June 22, 1923. Serial No. 647,033. 2 Claims. (Cl. 56-340.)

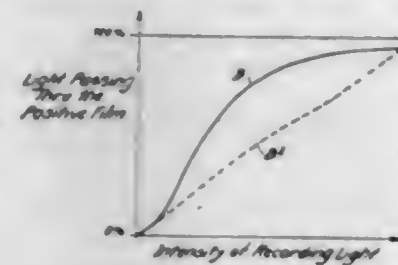


1. A fruit picker comprising an open bottomed picker cup, an elongated handling pole attached thereto, a flexible delivery chute attached to the bottom end of said cup, a stiffening means along one edge of said chute adapted to hold said chute in substantially a straight line, and adjustable means supporting said stiffening means from said pole, whereby the angle between said pole and said chute may be varied.

1,512,681. PRODUCTION OF SOUND-RECORD PHOTOGRAPHIC POSITIVES. JOSEF ENGL, Berlin-Grunewald, Germany, assignor to Tri-Ergon, Limited, Zurich, Switzerland, a Corporation of Switzerland. Filed July 28, 1924. Serial No. 728,534. 3 Claims. (Cl. 93-5.)

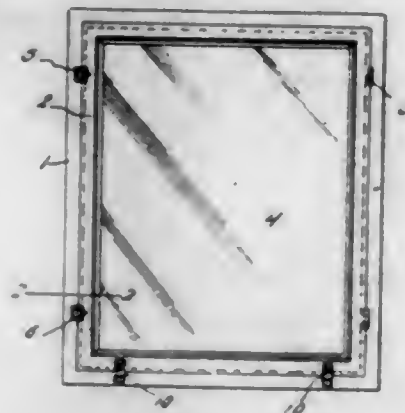
1. A process of producing positive photographic sound records, comprising maintaining the intensity of a recording light approximately constant, when the same is not affected by sound, acoustically-varying the light above and below such constant or average intensity, causing such acoustically-varied light to fall upon a sensitized surface, developing the negative thus produced to such a degree of density that the index of graduation is greater than 1, and printing from said

negative upon a suitable sensitized surface in such a manner, by adjusting the printing light intensity used, that the print, at points thereof corresponding to the



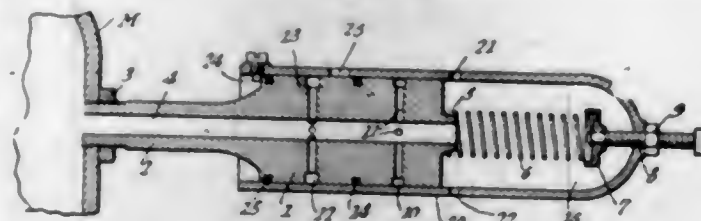
average intensity of the said acoustically-varied recording light, will absorb approximately one-half of the light which subsequently will fall thereupon in the utilization of said print in reproducing sound therefrom.

1,512,682. WINDOW SASH. HELEN FERGOUSON, Sandwich, Ill. Filed Mar. 5, 1924. Serial No. 697,040. 1 Claim. (Cl. 292-207.)



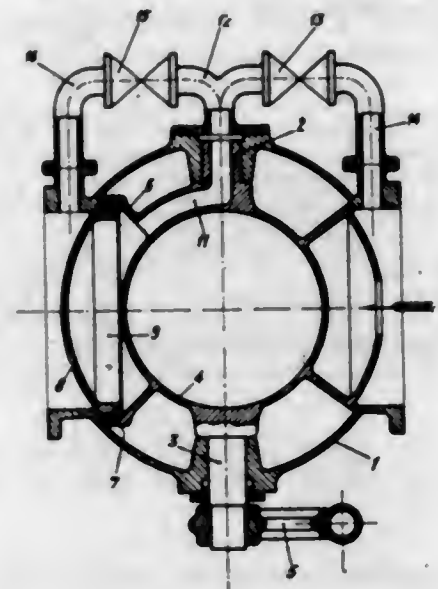
A window sash comprising inner and outer frames hinged together, a combined lift and securing device comprising a plate mounted upon the inner frame and having a slot, a stud movably mounted in the slot, a hasp plate mounted upon the outer frame and having a T-shaped slot adapted to register with the slot in the said guide plate, the stud adapted to be passed through the T-shaped slot and slipped along the same and the hasp plate having at its free end a return band handle portion.

1,512,683. AUTOMATIC VACUUM AND GRAVITY FEED. CLARENCE L. FETTY and ALFRED A. HOSLER, Akron, Ohio. Filed Aug. 24, 1923. Serial No. 659,185. 3 Claims. (Cl. 251-145.)



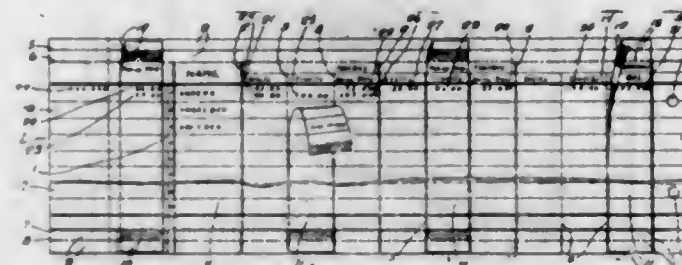
1. An auxiliary air intake and regulating valve for internal combustion engines comprising a piston enclosed within a cylinder, said piston having a bore extending longitudinally therethrough and provided with a peripheral groove and having conduits connecting said groove and bore, said cylinder having an aperture to register at predetermined intervals with said groove and at other intervals with the interior of the cylinder above the piston, and means controlled by the suction in the engine in connection with which the device is used for regulating the position of said aperture whereby more or less air is admitted through said bore.

1,512,684. ROTARY VALVE FOR PIPE LINES. ANTON GAGG, Zurich, Switzerland, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed Mar. 19, 1924. Serial No. 700,334. 6 Claims. (Cl. 251-102.)



1. In a rotary valve, a casing, a journaled gate body therein, a closing member carried by said gate body and confining together with the latter a hollow space, closable means in connection with said space and adapted to supply pressure liquid to said space, and closable means connected with said space and adapted to discharge liquid from said space.

1,512,685. ACCOUNTING SHEET. FREDERICK W. GROBY, River Edge, N. J. Filed Aug. 6, 1919. Serial No. 315,601. 13 Claims. (Cl. 263-57.)



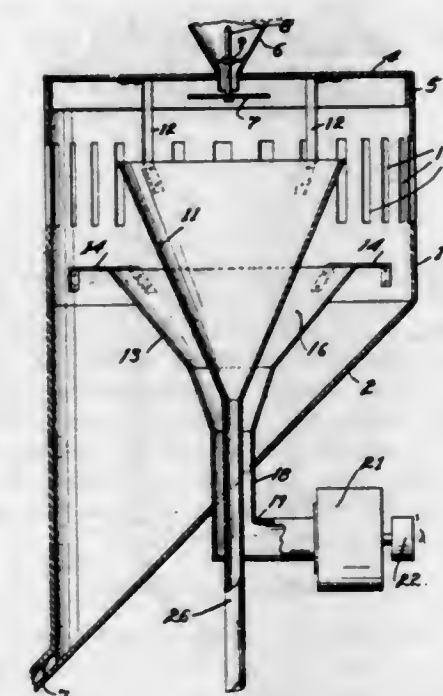
1. In an accounting sheet, or the like, such as is adapted to be used successively with others for the keeping of records from day to day, means whereby the balances, as computed in the record on each sheet, may be transferred to succeeding sheet indefinitely without requiring rewriting of the balance for effecting the transfer.

1,512,686. DENTAL IMPRESSION TRAY. GEORGE ALBERT HARPER, Shreveport, La. Filed July 25, 1923. Serial No. 653,735. 7 Claims. (Cl. 32-6.)



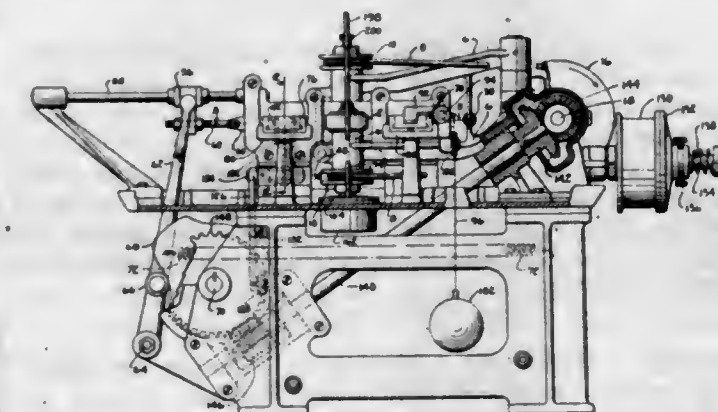
1. A dental impression tray of approximately U-shape, divided substantially at the center thereof and including a pair of side channels having pivot forming members at their inner meeting ends on which they are adjustable with respect to one another, said pivot forming members being detachably engageable with one another, and means to adjust and secure the two side sections in adjusted position.

1,512,687. CENTRIFUGAL SEPARATOR. HENRY D. HELLMERS, Las Vegas, Nev., assignor to West End Chemical Company, Oakland, Calif., a Corporation of California. Filed Apr. 10, 1923. Serial No. 631,135. 3 Claims. (Cl. 83-54.)



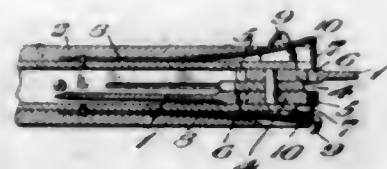
2. A separator for separating light particles from heavier particles comprising an inner receiving vessel, a second receiving vessel of larger dimensions surrounding the lower portion of the inner vessel, a cylindrical housing surrounding both vessels having apertures arranged above the top of the second receiving vessel and below the top of the inner vessel, a disc of smaller dimensions than the inner vessel mounted over the same, means for feeding material to be separated on the central portion of the disc, means for rotating the latter whereby the material is discharged circumferentially allowing the lighter particles to drop into the inner receiving vessel while the heavier particles are thrown beyond the reach of the same, and means for creating a steady draft from the apertures into the second receiving vessel whereby the lighter ones of the heavier particles are drawn into the second vessel.

1,512,688. MACHINE FOR POLISHING RAZOR BLADES. FERDINAND G. HENRY, Philadelphia, Pa., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y., a Corporation of New York. Filed Feb. 2, 1921. Serial No. 441,713. 15 Claims. (Cl. 51-82.)



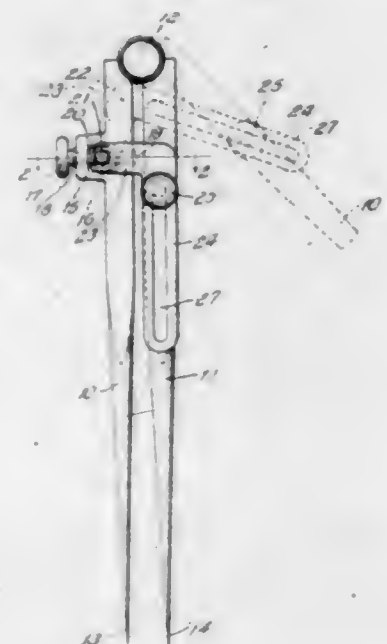
12. A machine for operating on blades having, in combination, means having a blade guideway, an abrading device arranged to abrade the entire lateral face of a blade during its passage through the guideway, and means for moving the blade through the guideway.

1,512,689. POCKETKNIFE. MAX P. HERMANN, Philadelphia, Pa. Filed Nov. 10, 1923. Serial No. 673,800. 1 Claim. (Cl. 30—10.)



In a folding knife, a blade provided with a plurality of recesses respectively in the side and heel of said blade, a spring catch fixed to the knife handle and having a nose adapted to enter either of said recesses relatively to the closed or open position of the blade, and an open-frame like device mounted pivotally on the handle and engaging bodily over said catch and adapted to force said nose into the respective recess of the blade to lock the latter and to permit said nose to leave said recess automatically.

1,512,690. DIVIDERS AND CALIPERS. ERNEST H. HERRSTROM, Moline, Ill. Filed Feb. 6, 1922. Serial No. 534,395. 4 Claims. (Cl. 33—153.)

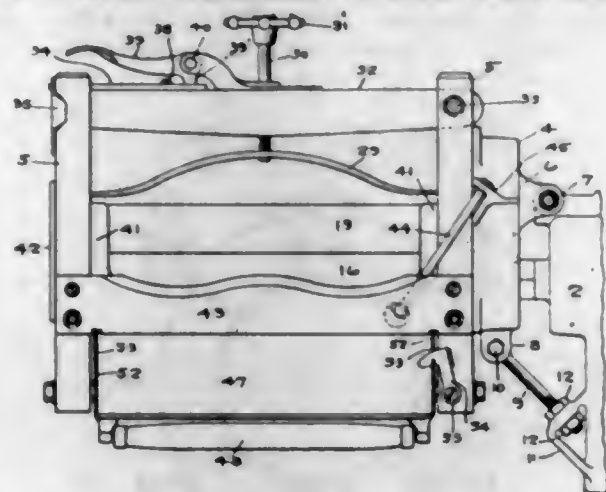


1. The combination of a pair of legs hinged together, a link having a long arm provided with a longitudinal slot and a short arm at an angle to the long arm, means for pivotally and adjustably connecting the short arm to one leg, and adjustable means carried by the other leg and co-operating with the slotted arm to secure it thereto, said long arm being adapted to lie within the width of the two legs when the legs are brought into closed positions.

1,512,691. WRINGER. ARTHUR O. HUBBARD, Minneapolis, Minn.; Nellie H. Hubbard, executrix of said Arthur O. Hubbard, deceased, assignor to Puffer-Hubbard Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed May 13, 1921. Serial No. 469,123. 8 Claims. (Cl. 68—32.)

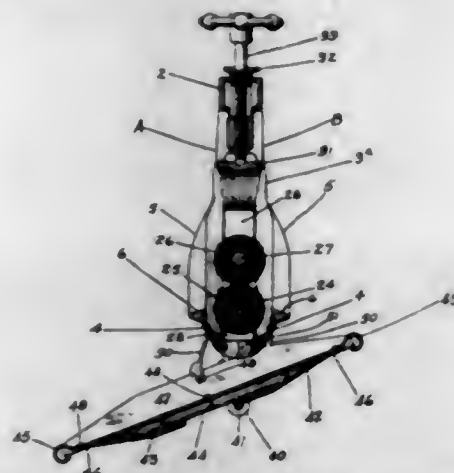
1. A wringer frame comprising end rails and rollers journaled therein having driving connections between them, a housing secured to the one end of the wringer

frame and enclosing said driving connections, a drive shaft housing having its upper portion pivotally connected to said wringer frame housing and a rod con-



nected with the lower portion of said wringer frame housing and adjustably connected with the lower portion of said drive shaft housing.

1,512,692. METAL CLOTHES WRINGER. ARTHUR O. HUBBARD, Minneapolis, Minn.; Nellie H. Hubbard, executrix of said Arthur O. Hubbard, deceased, assignor to Puffer-Hubbard Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Nov. 28, 1921. Serial No. 518,360. 3 Claims. (Cl. 68—32.)



1. A clothes wringer comprising two corresponding metallic members fitting one against the other and means for securing them together, said members comprising end rails and integral arched portions between them, integral webs horizontally connecting the lower ends of said rails, and having inwardly and downwardly curved portions, integral ribs extending inwardly and downwardly from the upper portions of said rails and merging into the upper edges of said webs, and upper and lower wringer rolls mounted in said rails between said ribs and webs.

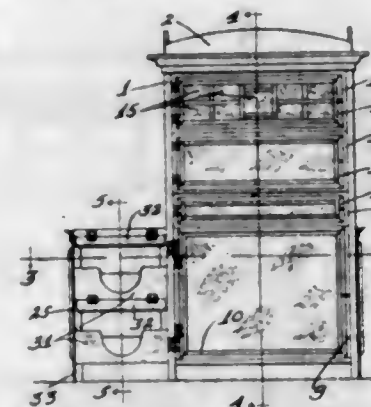
1,512,693. INDUCTION MOTOR. ERNEST JULLARD, Geneva, Canton of Geneva, Confederation of Switzerland, assignor to Ateliers H. Cuénod Société Anonyme, Geneva, Switzerland, a Corporation of Switzerland. Filed Oct. 18, 1922. Serial No. 595,407. 4 Claims. (Cl. 171—206.)



1. In an induction motor for operation under conditions where the motor is exposed to influences which by their nature are detrimental to electric insulation and

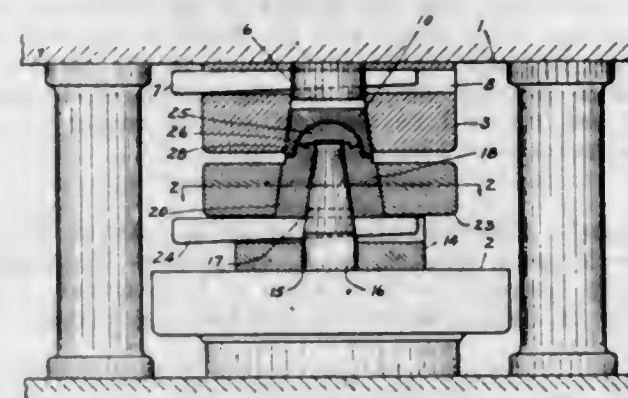
in combination, a stator having notches therein, windings in the said notches, and means for supporting the said windings so that the windings pass freely through the said notches.

1,512,694. NEWS STAND. CARL A. KALLNBACH, Chicago, Ill. Filed Dec. 23, 1921. Serial No. 524,350. 7 Claims. (Cl. 211—14.)



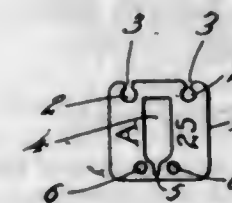
1. A news stand comprising a cabinet, and news paper racks therein having rolling engagement with the cabinet and adapted to be projected out of the sides thereof in opposite directions.

1,512,695. METAL MOLD. JOSEPH F. KELLER, New York, N. Y., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 29, 1922. Serial No. 557,380. 6 Claims. (Cl. 78—60.)



1. An apparatus for forming a metal mold from a mold blank, comprising a die, into which said mold blank is adapted to be forced, a punch adapted to enter said die, the head of said punch being shaped to form the cavity of the mold with markings in relief, by compressing the inner surface of said blank and forcing the metal into cavities in the head of the punch, and means for separably removing said punch from the die after the mold is formed.

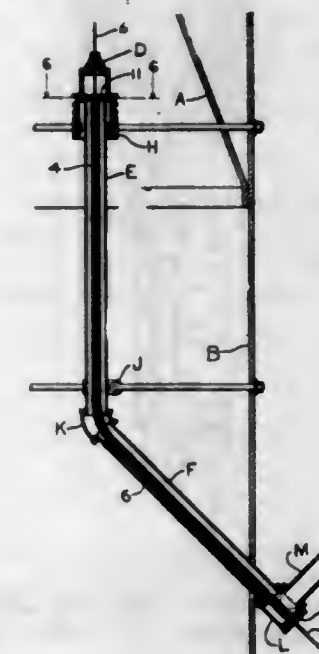
1,512,696. LAUNDRY-TAG SYSTEM. FRED E. KLEIN, Cincinnati, Ohio, assignor of one-half to Morris G. Rosenthal, Cleveland, Ohio. Filed Feb. 12, 1923. Serial No. 618,482. 4 Claims. (Cl. 40—2.)



1. A laundry marking tag formed of rigid material and having interspaced holes therein for a single loop of stitching whereby the tag is secured to a garment and having an aperture in the tag located on a line be-

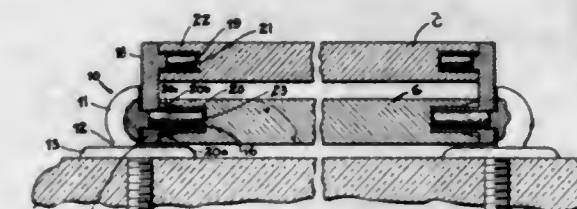
tween the two holes and having a narrow portion extended across a line connecting the said two holes at the center, for the purpose described.

1,512,697. JET EXHAUSTER. LOUIE F. KOELLNER, St. Louis, Mo. Filed June 5, 1922. Serial No. 565,951. 4 Claims. (Cl. 162—4.)



1. A jet exhauster provided with a nozzle, and a small bore pipe or tube arranged inside of the exhauster with its inner end positioned coaxially with the nozzle and its outer end terminating at a point some distance away from the exhauster, said tube being adapted to have a wire or the like inserted in same to clean the nozzle.

1,512,698. HINGE FOR THE SEATS AND COVERS OF WATER-CLOSETS AND THE LIKE. OTTO KOLSTAD, Holyoke, Mass., assignor to C. F. Church Manufacturing Co., Holyoke, Mass., a Corporation of Massachusetts. Filed Feb. 6, 1923. Serial No. 617,244. 16 Claims. (Cl. 4—236.)

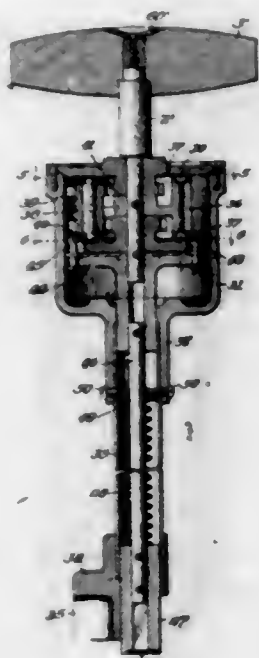


1. A hinge plate for the seat and cover of a water-closet or the like, comprising a body portion having a stud attached thereto at one end thereof, a sleeve attached thereto at the other end thereof, and means integral with said hinge plate for preventing the rotation of the same when applied to the water-closet seat or the like.

1,512,699. TUNING KEY FOR PIANOS. LOUIS L. KORACH, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 545,084. 8 Claims. (Cl. 84—459.)

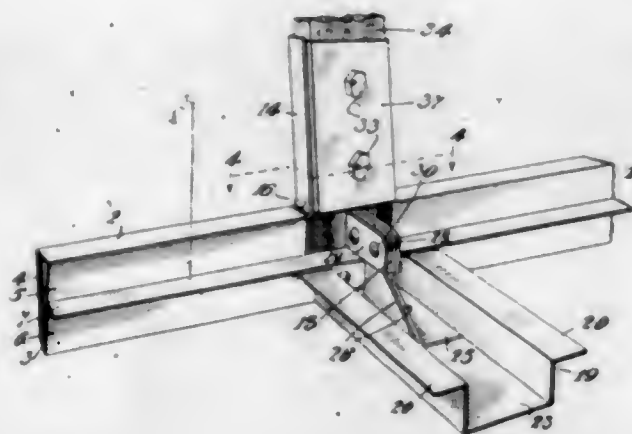
3. In a piano tuning-key, the combination of a framework, whereon are mounted a handle, a reduction gearing, a socket, the reduction gearing operatively connecting the handle and the socket, a projection on the

framework to bear against an adjacent pin, and elastic mechanism on the framework to normally protrude the



socket beyond the projection, whereby the socket may be placed upon its pin before the projection touches the adjacent pin.

1,512,700. FRAME STRUCTURE FOR VEHICLE BODIES. ALBERT L. LAMBERT, Narberth, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 17, 1922. Serial No. 595,022. 4 Claims. (Cl. 296-30.)

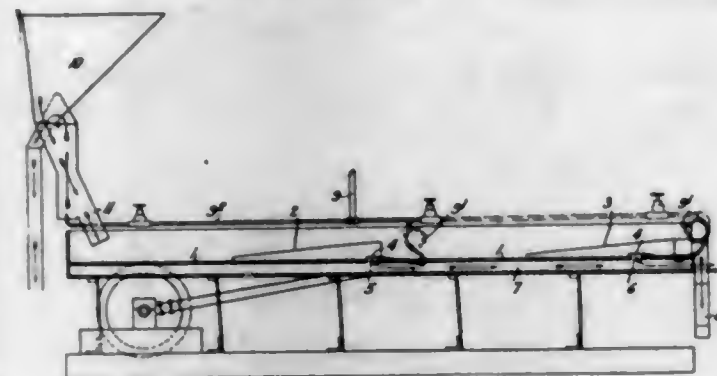


1. In frame structures, in combination, a frame member, a connecting member attached to said frame member and having a central flange provided with threaded bolt-engaging openings, and a post having a groove for said central flange and bolt-holes arranged to align with said threaded openings, and means, comprising bolts adapted to be placed through said holes and to be engaged in said openings, for removably connecting said post to said frame member.

1,512,701. PROCESS FOR TREATING COAL OR OTHER MINERAL AND APPARATUS THEREFOR. ALFRED ARTHUR LOCKWOOD, London, England. Filed Nov. 8, 1923. Serial No. 673,552. 2 Claims. (Cl. 83-88.)

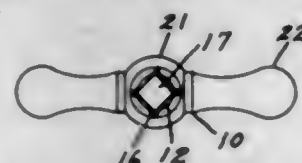
1. A process for the dry treatment of coal or other carboniferous material which comprises giving the material a travelling movement over the surface of a

smooth oscillating table, heaping up said material while still travelling, separating the heaped material by a cut-out running across a discharge outlet, and delivering



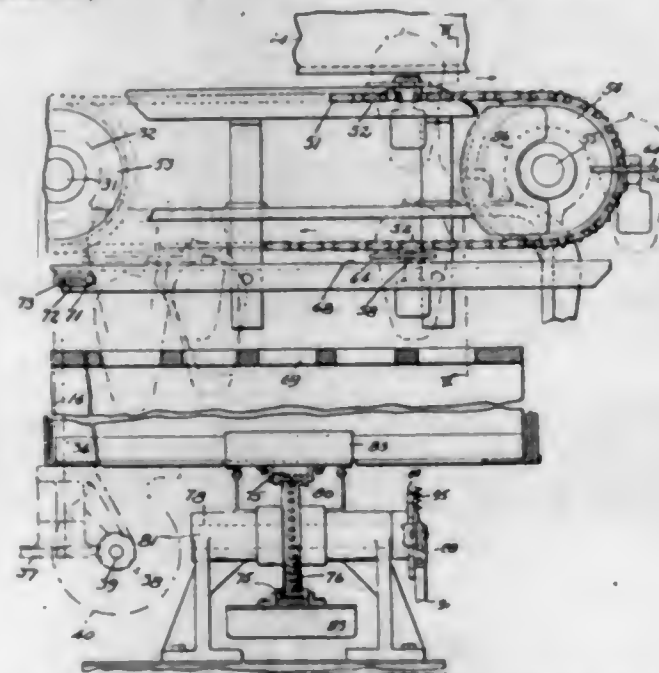
a blast of air between the cut-out and the table substantially parallel to the surface of the table upon the material.

1,512,702. FAUCET-HANDLE CONSTRUCTION. JAMES MCCARTY, Hartford, Conn. Filed June 13, 1921. Serial No. 477,122. 5 Claims. (Cl. 251-150.)



3. A faucet handle of bar-like form having a socket for receiving the tip end of a valve stem that is of tapered form and has a square form of cross-section, the wall of the said socket having a set of corner seats for cooperating with the corners of the handle receiving tip of the valve stem, and the parts of the said wall between the said corner seats being in the form of recesses or grooves, whereby the engagement of the handle with the tip will be confined to the corner portions thereof.

1,512,703. TRAY-LOADING DEVICE. HARRY DE FOREST MADDEN, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 21, 1922. Serial No. 576,438. 34 Claims. (Cl. 226-2.)

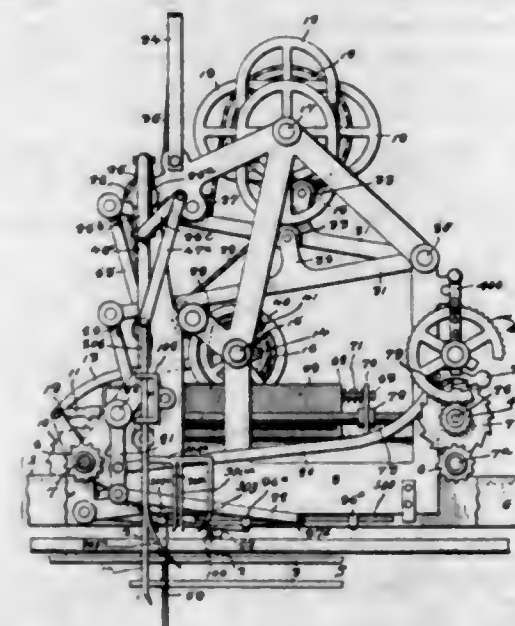


1. In combination, a conveyor and receiver, said receiver being so positioned with relation to said conveyor that articles in said receiver will engage with and remove articles from said conveyor.

34. A tray-loading machine comprising a tray having apertures therein, means for conveying lamp bulbs, a finger for engaging a conveyed bulb to effect a deposit

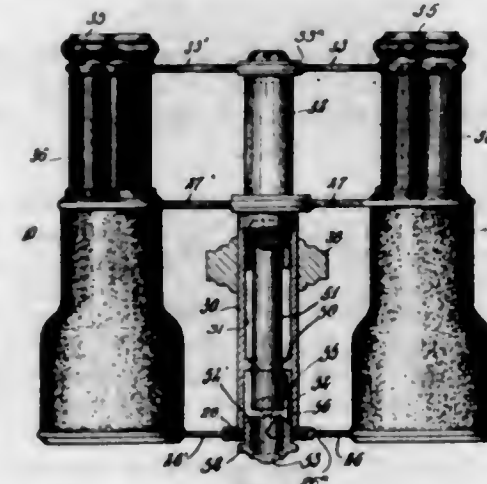
of said bulb in one of said apertures, said tray being so disposed with relation to a conveyed lamp and a lamp positioned in an aperture of said tray, whereby said conveyed lamps will become unseated from said conveyor and enter an aperture of the tray and means for moving said tray to position another aperture in operative relation to said conveyor.

1,512,704. APPARATUS FOR APPLYING STOP-MOTION PINS TO WARP THREADS. SEBASTIANO MAGNANO, Lawrence, Mass., assignor to Magnano Corporation, Lawrence, Mass., a Corporation of Massachusetts. Filed July 23, 1919. Serial No. 312,705. 57 Claims. (Cl. 28-41.)



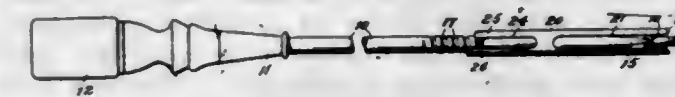
1. In combination with a mechanism for applying drop wires to warp threads, supporting means extending transversely of the warp threads, said mechanism being movable longitudinally of said supporting means, and automatic devices operating in accordance with the presence or absence of warps to control the movement of said mechanism along said supporting means.

1,512,705. FLASH-LIGHT OPERA GLASS. ISIDORE MARGARETTEN and MORRIS GREENMAN, New York, N. Y. Filed Jan. 26, 1923. Serial No. 614,985. 1 Claim. (Cl. 240-8.4.)



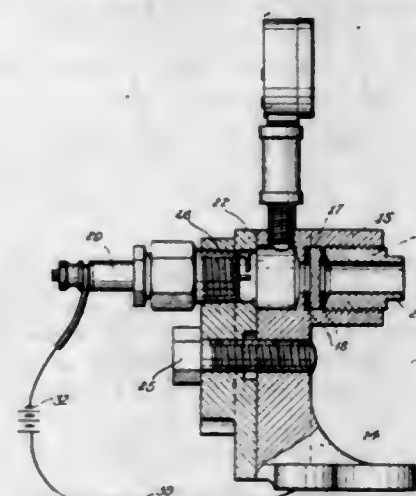
A device of the class described comprising a pair of casings adapted to carry front lenses, an adjustable element adapted to carry rear lenses, said element including a hollow externally screw threaded rod, a sleeve swiveled between the said front and rear connecting members into which said rod is threaded, and a flashlight engaged in said rod and sleeve, said flashlight being gripped by said sleeve and extending freely into said rod.

1,512,706. SCREW-DRIVER ATTACHMENT. GIRARDUS G. NAUGLE and CARLTON L. HOFF, York, Pa.; said Naugle assignor to said Hoff. Filed Apr. 21, 1923. Serial No. 633,708. 8 Claims. (Cl. 145-52.)



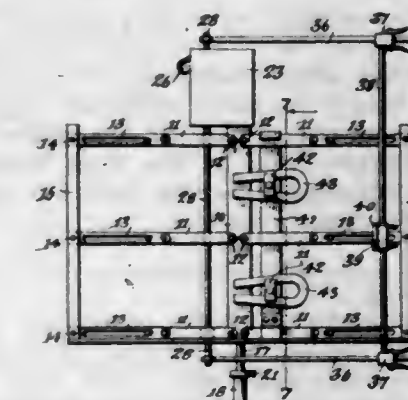
1. A screw driver having a groove in its stem, resilient means for detachably engaging a screw, comprising a member having an open end through which the stem may extend, and means engaging said groove to control the movement of said resilient means and retract said resilient means on the stem as the screw is driven home.

1,512,707. UNIVERSAL SPARK-PLUG TESTER. GIRARDUS G. NAUGLE, York, Pa., assignor to Carlton L. Hoff, York, Pa. Filed May 4, 1923. Serial No. 636,601. 5 Claims. (Cl. 175-183.)



3. A spark plug tester of the type having a pressure chamber, a gage connected with said chamber, means for conveying fluid under pressure to said chamber, and means for holding a spark plug in registry with said chamber, characterized by the spark plug holding means being rotatable and having a plurality of spark plug holding openings therein, the spark plug holding means comprising a disk provided with a plurality of openings adapted to be successively brought into registry with said chamber, said disk being pivoted to the chamber housing to one side of the axis of said chamber, said disk and said housing having machined cooperating surfaces.

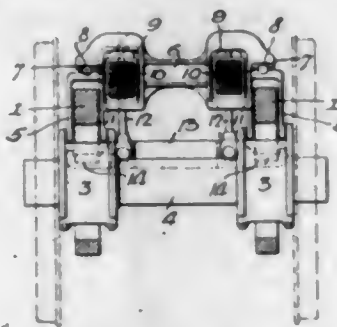
1,512,708. MUSIC-LEAF TURNER. TOIVO PELTOLA, Marquette, Mich. Filed July 29, 1922. Serial No. 578,431. 1 Claim. (Cl. 84-521.)



A device of the class described comprising a support for the sheets to be turned and including a central frame member, magnet elements associated with said central frame member, armature elements carried by the inner edges of the sheets in position to be engaged by said magnet elements and hold them from displacement,

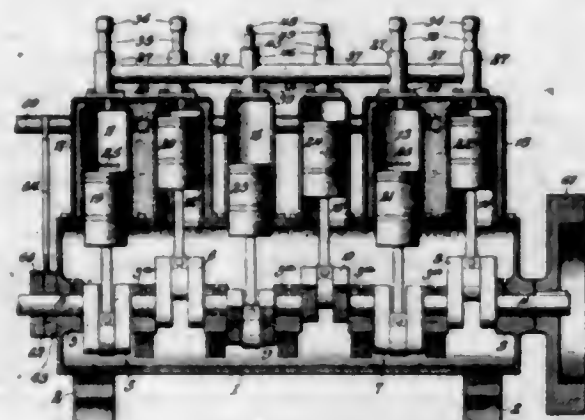
an armature element carried by the outer edge of each sheet which is to be turned, a turning arm with its center of movement spaced from the inner edges of the sheets, a magnet element movable with said turning arm in position to engage the armature at the outer edge of the sheet, and means for actuating said turning arm to cause the magnet element to move the sheet toward open position and be gradually withdrawn from engagement with the armature element as the sheet approaches open position.

1,512,709. LOCOMOTIVE. JOHN A. PFRIFFER, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 10, 1924. Serial No. 705,604. 6 Claims. (Cl. 105-32.)



1. The combination in a locomotive, of side frames; axle boxes mounted in the frames; an axle in the boxes; a saddle mounted on each axle box; a transverse beam resting on the saddles; and a portion of an equalizing gear mounted on the beam back of each frame and saddle.

1,512,710. EXPLOSION ENGINE. EDSON POTTER, Rochester, N. Y. Filed Sept. 29, 1919. Serial No. 327,077. 5 Claims. (Cl. 123-59.)

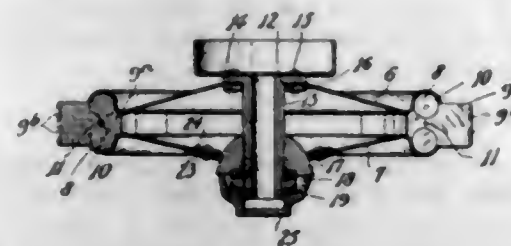


1. An explosion engine comprising groups of power cylinders with pistons, and other power cylinders with pistons for causing and compressing fuel charges, the pistons of the groups of power cylinders reciprocating in alternation, and the strokes of the pistons of the compressing cylinders being of the same frequency as and of greater compressive extent than the strokes of the pistons of the power cylinders.

1,512,711. RESILIENT WHEEL. LANCELOT RAYMENT, Melbourne, and HORACE G. FUTCHER, Footscray, near Melbourne, Victoria, Australia. Filed June 4, 1923. Serial No. 643,335. 5 Claims. (Cl. 301-63.)

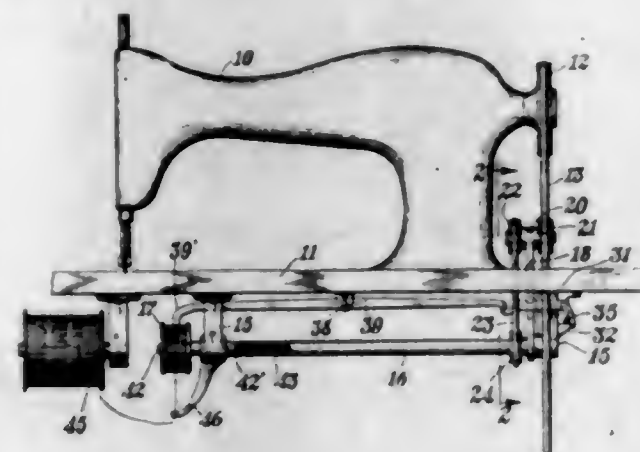
3. An improved resilient wheel characterized by having a hub furnished with a boss, constructed with a curved or an inclined surface, two metal discs having rim members, and a resilient tyre rigidly accommodated by said rim members, one of said discs being rigidly secured to the hub, and the other of said discs having a

central orifice fitting about said boss and permitting it to have slidable movement on said boss under shock conditions, and wherein the boss is affixed to the hub



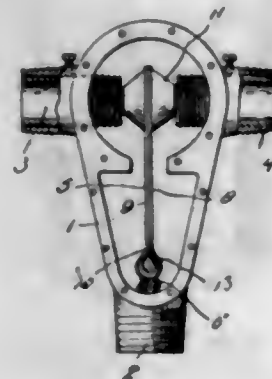
by screw-threading and is locked against rotatable movement thereon by a washer and a lock-nut, said washer having a projection adapted for engagement by a groove formed in the hub, substantially as described.

1,512,712. BOBBIN WINDER FOR SEWING MACHINES. SOPHIE RESTCHAK, Exeland, Wis. Filed Oct. 11, 1923. Serial No. 667,924. 2 Claims. (Cl. 242-22.)



1. In a sewing machine, a drive belt, a shaft adapted to receive a bobbin, an arm fulcrumed concentric to said shaft, a roller carried by the free end of said arm and adapted to engage said belt, a drive connection between said roller and said shaft, a spring urging said arm to position with the roller disengaged from the said belt, a latch for holding the arm in position with the roller engaged with the belt, and a device for releasing said latch.

1,512,713. WATER-TEMPERATURE REGULATOR. BURL A. REYNOLDS, Topeka, Kans. Filed Feb. 29, 1924. Serial No. 696,110. 1 Claim. (Cl. 236-12.)



In a device of the character described, a vane composed of strips having intermediate loop portions, a casing housing the vane, a shaft journaled in the casing and having an eccentric portion received between the loops, and means for turning the shaft to tilt the vane.

1,512,714. MEANS FOR ATTACHING CAPS AND FUSES TO STICK EXPLOSIVES. FRANK SAUCIER, Juneau, Territory of Alaska. Filed June 19, 1923. Serial No. 646,883. 5 Claims. (Cl. 102-6.)



4. An explosive stick and a wrapper therefor, said wrapper having a fuse opening formed longitudinally therethrough and by the material thereof and a pair of primer openings formed in the stick and extending part way therethrough, the openings of said pair extending inwardly from the opposite ends of the stick, and removable caps for the ends of the stick.

1,512,715. ARCH SUPPORT. WILLIAM NYR SECHLER, Fort Scott, Kans. Filed June 22, 1923. Serial No. 647,022. 6 Claims. (Cl. 36-76.)



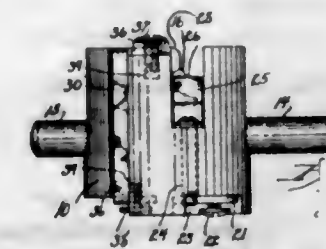
1. In an arch support the combination of a plurality of links, the said links being joined to permit free movement in one direction and to restrict the extent of movement in the opposite direction, the joint between the links providing a wedging action in one direction of movement thereof.

1,512,716. SNAP-SWITCH MECHANISM. IRA R. SELTZER, Waterbury, Conn., assignor to The Gordon Electric Manufacturing Company, Waterville, Conn., a Corporation. Filed Aug. 26, 1921. Serial No. 405,670. 1 Claim. (Cl. 200-67.)



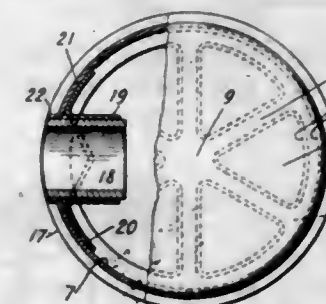
The combination with the tubular handle of a vacuum-cleaner, the said handle being formed on its upper face with a longitudinal installation-slot, of a transversely-bowed, slotted mounting-plate superimposed upon the said handle to cover the said installation-slot and extended beyond the ends thereof for being attached to the upper face of the said tubular handle, an oblong insulating switch-base having its upper face rounded to fit the concave inner face of the said plate to which it is fastened and having its inner face formed with a recess or chamber communicating with the slot in the said plate, a switch-frame located in the said chamber, a snap-switch mechanism mounted in the said frame so as to project inwardly therefrom, and a rocking operating-member connected with the said mechanism for the operation thereof and projecting outwardly through the said base and the slot in the mounting-plate, and pivotally mounted on a trunnion interposed between the bottom of the said switch-frame and the bottom of the chamber in the said switch-base.

1,512,717. CONVERTIBLE ELECTRIC CORD SWITCH WITH PUSH-THROUGH CONTROL. IRA R. SELTZER, Waterbury, Conn., assignor to The Gordon Electric Mfg. Co., Waterville, Conn., a Corporation. Filed Mar. 10, 1922. Serial No. 542,527. 2 Claims. (Cl. 200-72.)



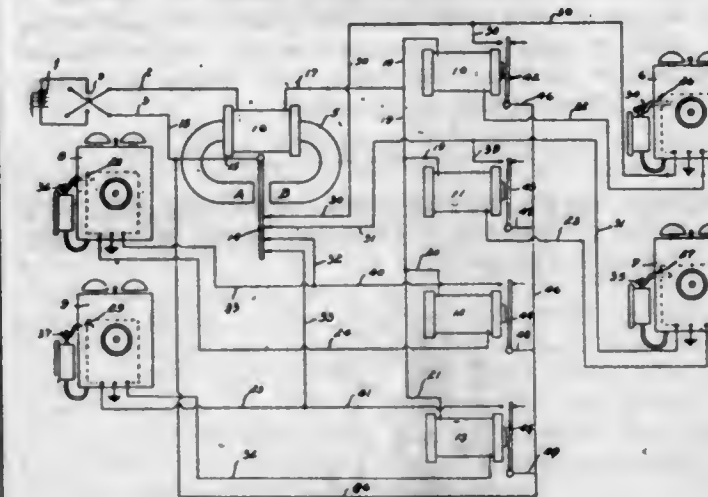
1. In a convertible electric cord-switch with push-through control, the combination with a cylindrical shell, of a chambered cylindrical base of insulating material located therein and formed in its periphery with a longitudinal groove extending between its ends, a switch-mechanism mounted in the said base, and a removable main-line connecting-bar located in the said groove and adapted to embrace the said base, by which it is held against longitudinal displacement with respect thereto.

1,512,718. INTERNAL-COMBUSTION ENGINE. WILBUR T. SOULIS, New York, N. Y. Filed May 23, 1919. Serial No. 299,310. 10 Claims. (Cl. 74-108.)



1. An internal combustion engine piston comprising a relatively light body of pressed sheet metal, a separately formed pressed sheet metal member for reinforcing the head of the body and an annular ring of ferrous metal encircling the body, said ring being provided with a groove for a packing ring, all of the parts being permanently united by immersion in a bath of brazing material.

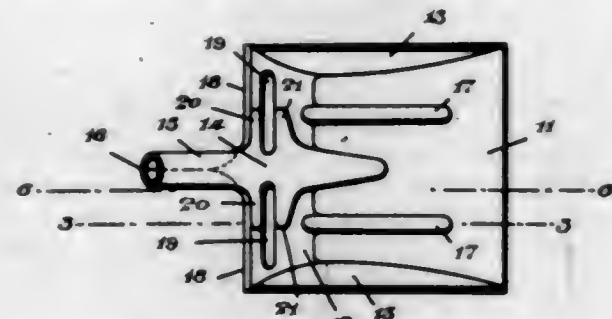
1,512,719. TELEPHONE SYSTEM. JOHN C. STILES, St. Louis, Mo. Filed Apr. 28, 1921. Serial No. 465,206. 1 Claim. (Cl. 179-32.)



A telephone system including, in combination, a source of electrical current, a pair of line wires leading therefrom, a reversing switch connected across said wires, a polarized relay including a coil connected in series with one of the said line wires and including also an armature, a connecting conductor between the said armature and the other one of the said line wires, a plurality

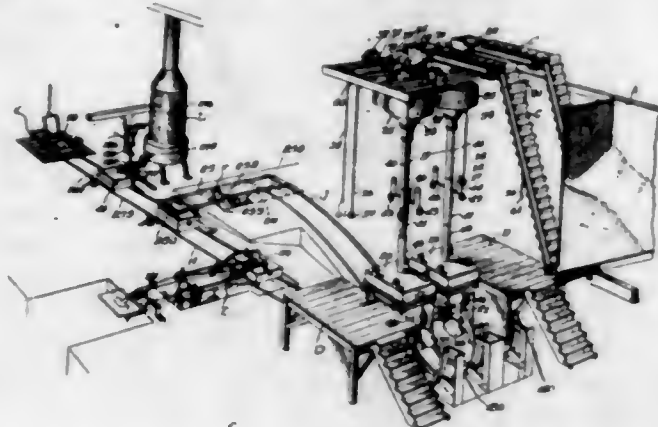
of phone circuits including coils and phones connected in series with the said coils, the said coils of the phone circuits being connected in multiple and all of them being in series with the said armature of the polarized relay, and a conductor in series with the said coil of the relay and in series also with all of the said phone circuits.

1,512,720. SHOVEL AND SCOOP BLADE. JOHN S. SUSBAUGH, Vincennes, Ind. Filed Mar. 18, 1922. Serial No. 544,700. 6 Claims. (Cl. 294-49.)



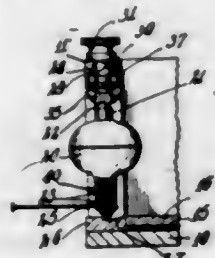
1. A sheet metal blade having an upstruck roll and depressions below the normal lower surface of the blade and extending from the sides of the roll, said depressions forming fulcrums on which the blade can be rocked.

1,512,721. CASTING APPARATUS. WILLIAM S. SUTTON, Rockford, Ill. Filed Mar. 3, 1921. Serial No. 449,405. 28 Claims. (Cl. 22-36.)



1. In a casting machine, a mold-supporting means, mechanical means for packing the mold in separate sections, means for transferring said sections to core-placing and mold-closing mechanisms, means for placing a core in one of said mold sections, means for positioning the other of said mold sections on the first-mentioned mold section to close the mold, and means for filling the mold, substantially as described.

1,512,722. GAME APPARATUS. GEZA SZÉKELY, New York, N. Y. Filed May 14, 1923. Serial No. 638,606. 3 Claims. (Cl. 46-61.)



3. A game apparatus comprising a board formed with a socket to receive the bottom end of a top, a vertical spindle supported by and above said board for both vertical and rotary movement and having a socket in its lower end to receive the upper end of a top, said spindle

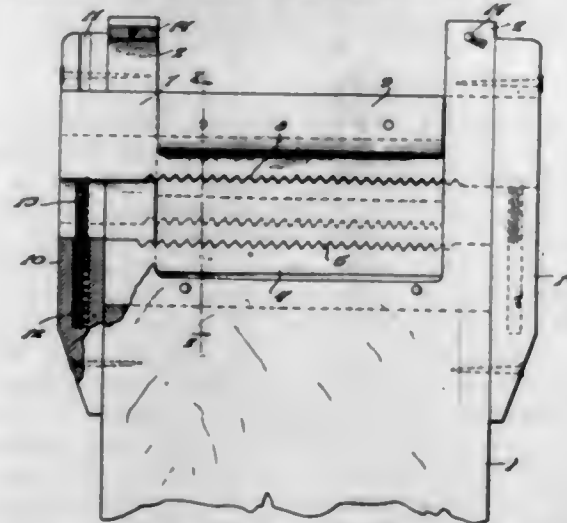
being formed in its side with a helical groove, a fixed pin engaging freely in said groove and adapted to cause vertical movement to be imparted to the spindle upon rotary movement thereof, a vertical shaft, an arm fixed on said shaft and adapted to engage the lower end of the top to project the latter upon the said board, and gear connections between the said shaft and spindle.

1,512,723. WRENCH. WALTER TASEBT, East Grand Forks, Minn. Filed Aug. 6, 1923. Serial No. 655,974. 2 Claims. (Cl. 81-128.)



1. A wrench comprising a body portion provided at one side with a lengthwise extending slot, a chamber and a laterally extending stationary jaw, a spring controlled toothed bar arranged within said chamber, an adjustable carrier slidably mounted within said chamber and having a reduced portion extending through said slot, a shiftable jaw formed integral with said reduced portion and opposing the stationary jaw, a spring controlled locking member mounted in the carrier and engageable in the bar for maintaining the carrier in its adjusted position, pivoted means connected with the carrier for shifting said locking member to released position with respect to said bar, and a handle extending into the rear end of and pivoted to said body portion and provided with a cam surface for shifting said bar whereby said carrier will be moved towards said stationary jaw.

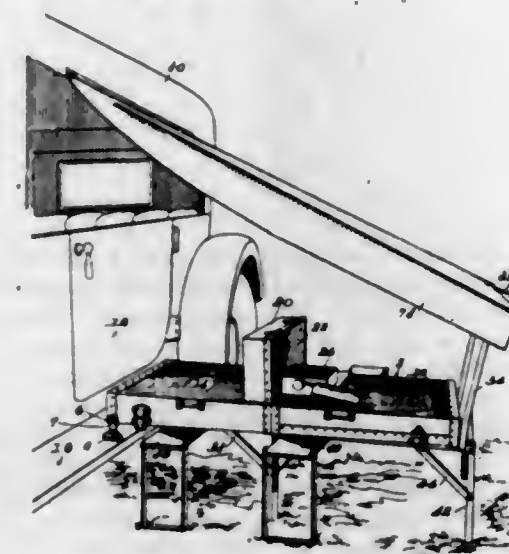
1,512,724. BROOMCORN CLEANER. WILLIAM SEABORN TEDDER, Ola, Ark. Filed May 14, 1924. Serial No. 713,272. 1 Claim. (Cl. 130-30.)



A broom corn cleaner comprising a standard having vertically slotted extensions at its upper end, a stripper plate secured in the standard and extending across the space between the said extensions, said plate being provided with teeth along its upper edge, wings on the

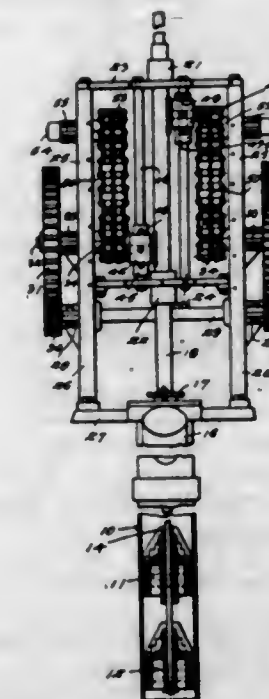
sides of the standards at the upper end thereof and provided with vertically extending slots and sockets at the base of the said slots, coiled springs seated in said sockets and extending into said slots, an upper stripper plate engaged freely through the slotted extensions of the standard and in the slots of the said wings, said plate being provided with teeth along its lower edge, and stop members across the slots in the upper ends of the standard above the said stripper plate.

1,512,725. TRAVELING KIT. JESSE MELTON THOMAS, Tampa, Fla. Filed Sept. 22, 1923. Serial No. 664,257. 9 Claims. (Cl. 190-12.)



7. A traveling kit comprising a container having a pair of sections, means supporting one of the sections for movement about a horizontal axis, said sections being hingedly connected to each other and adapted to form a table when arranged horizontally, a frame for supporting said sections in a horizontal position, and legs for supporting said frame.

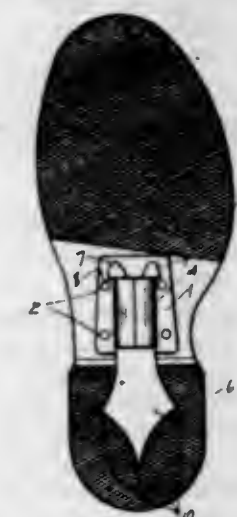
1,512,726. PUMPING APPARATUS. OSWALD J. TURNER, Stuttgart, Ark., assignor to Hydraulics Manufacturing Co., Stuttgart, Ark., a Corporation of Arkansas. Filed Mar. 30, 1923. Serial No. 628,784. 6 Claims. (Cl. 74-14.)



4. A lengthwise movable rod and a sleeve around the rod movable in relatively opposite directions, means for so moving the rod and its sleeve including cross heads immediately adjacent thereto and movable in line there-

with, one of which crossheads is attached at one end directly to the rod and the other of which crossheads is attached at one end directly to the sleeve, members slidable in the cross heads at right angles to the line of movement of the rod and sleeve, sprocket chains having pivotal connections with said slide members, and means for simultaneously driving the sprocket chains in relatively opposite directions.

1,512,727. ICE CREEPER. JOHAN ARON WALLIN, Jamestown, N. Y. Filed Oct. 8, 1923. Serial No. 667,253. 1 Claim. (Cl. 36-66.)



In an ice creeper, an anchor plate, a sleeve carried thereby, a sliding plate carried by said sleeve, spurs for said plate, prongs formed at one end of said plate, heads terminating said prongs, and shoulders formed in pairs upon said plate, said pairs of shoulders being spaced apart a distance slightly in excess of the length of said sleeve.

1,512,728. SPRING JOINT FOR FOLDING RULES. CHARLES G. WATSON, Seneca Falls, N. Y., assignor to Wescott Rule Company, Inc., Seneca Falls, N. Y., a Corporation of Delaware. Filed Feb. 3, 1922. Serial No. 533,861. 6 Claims. (Cl. 33-120.)

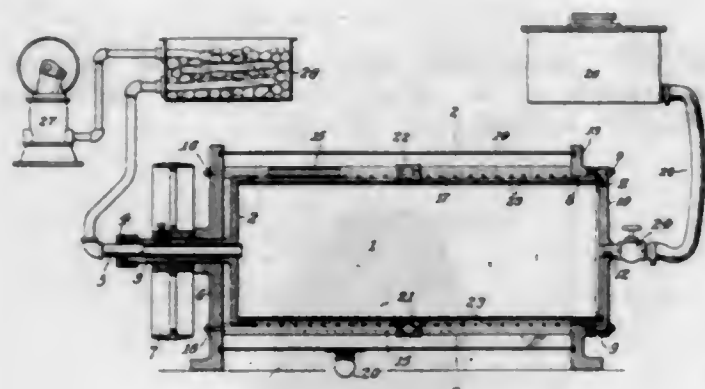


1. A rule joint comprising rule sections, a pair of hinge plates secured to the sections and respectively having an interlocking projection and recess, a circular bowed spring interposed between one of said plates and a portion of one of the rule sections and provided with minimized projections at diametrically opposite points to hold the spring against shifting movement by permitting it to have free compressible and expansible resilient action, and a stud pivotally connecting said plates and passed through the centers of the plates and spring, the spring being confined solely around the stud and filling a portion of the recess of the plate which it engages and held against rotation with the stud.

1,512,729. FIBER-BOARD BOX. JOHN W. WEBB, Chicago, Ill. Filed Oct. 12, 1922. Serial No. 594,187. 2 Claims. (Cl. 91-68.)

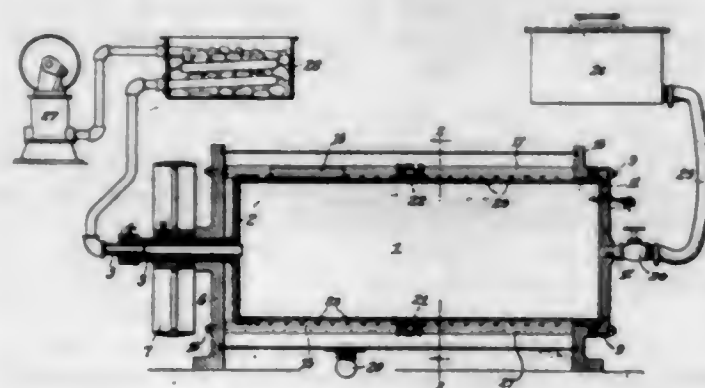
1. As an article of manufacture, a fiber board box impregnated with solidified sulphur.

1,512,730. AMORPHOUS SACCHARINE POWDER AND PROCESS OF MAKING SAME. GEORGE WASHINGTON, Brooklyn, N. Y. Original application filed June 7, 1918, Serial No. 238,629. Divided and this application filed Mar. 7, 1921. Serial No. 450,302. 4 Claims. (Cl. 127-30.)



1. As a new article of manufacture, a powder composed of small, thin, readily soluble amorphous pellicles of saccharine matter having glassy walls.
2. The process of forming an amorphous powder of saccharine matter which comprises evaporating a comparatively thin layer of a perfect aqueous solution of such matter and desiccating the solid residue thereof at a sub-atmospheric pressure and at a temperature below that of fusion of the materials, whereby said residue is transformed into a foamlike mass of bubbles, and then crushing the dry walls of such bubbles.

1,512,731. FOOD PRODUCT AND PROCESS OF MAKING SAME. GEORGE WASHINGTON, Brooklyn, N. Y. Original application filed June 7, 1918, Serial No. 238,629. Divided and this application filed June 22, 1922. Serial No. 570,147. 7 Claims. (Cl. 99-5.)



6. The process of forming a readily soluble powder of amorphous saccharine materials and concentrated lemon juice which comprises mixing a proper quantity of such lemon juice with a perfect solution of the saccharine matter, evaporating the mixture and desiccating the residue at a low pressure and at a temperature which is below that of fusion of the materials, and which will not produce any hurtful modification of the lemon juice, until the same is transformed into a foamlike mass of bubbles, and then crushing the dry walls of such bubbles.
7. As a new article of manufacture a powder composed of small, thin, readily soluble amorphous pellicles of saccharine matter having glassy walls containing concentrated lemon juice.

1,512,732. INTERNAL-COMBUSTION-MOTOR VALVE. ERNEST W. WEDLICK, Detroit, Mich. Filed Sept. 16, 1922. Serial No. 588,568. 3 Claims. (Cl. 123-188.)



1. In an internal combustion engine, a circular valve seat, an appropriately-guided rectilinearly-movable valve stem, means to so move said stem, and a body universally mounted on one end of the stem; said stem having a ball end and a reduced portion or neck adjacent thereto, said body being of circular form in cross-section and having a periphery convexly arcuate in the direction of movement of the stem and opposed to said seat and also having a threaded bore with a rounded inner end seating said ball and a flared opening receiving the reduced portion of the stem, in combination with a threaded plug occupying said bore in the body and having a concave inner end opposed to the ball and also having kerfed outer end.

1,512,733. PROCESS OF UTILIZING ARSENIOS BY-PRODUCTS. ERNEST W. WESCOTT, Niagara Falls, N. Y., assignor, by mesne assignments, to Metallurgical Development Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1921. Serial No. 452,470. 10 Claims. (Cl. 23-1.)

1. In the recovery of arsenic from ores and speisses by chlorination thereof, the process of utilizing produced arsenious chlorid which comprises admixing such chlorid with a limited amount of water, removing solid As_2O_3 produced by hydrolysis, chlorinating the mother liquor to produce arsenic acid therein and neutralizing the liquid to produce arsenates.

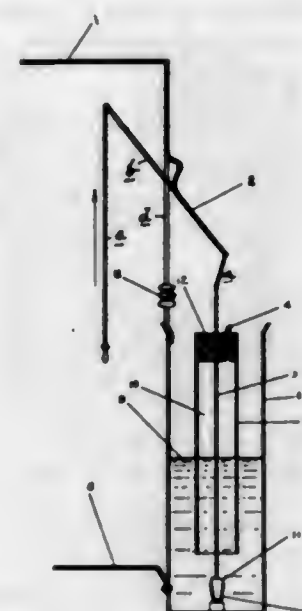
1,512,734. PROCESS OF PURIFYING ARSENIOS CHLORIDE. ERNEST W. WESCOTT, Niagara Falls, N. Y., assignor, by mesne assignments, to Metallurgical Development Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 30, 1921. Serial No. 456,940. 6 Claims. (Cl. 23-13.)

1. In the manufacture of arsenious chloride, the process which comprises chloridizing an arsenic ore with chlorine at a high temperature, cooling the resultant gases and vapors to a temperature near but above the liquefying point of $AsCl_3$, and removing condensed ferric chloride and dust, further cooling to liquefy $AsCl_3$, heating the liquid $AsCl_3$ with As_2O_3 to break up sulfur chloride and redistilling the $AsCl_3$.

1,512,735. ELECTRIC SWITCH. CHARLES E. BENNETT and CHARLES G. ADSIT, Atlanta, Ga., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed Sept. 9, 1919, Serial No. 322,042. Renewed Sept. 12, 1924. 10 Claims. (Cl. 200-150.)

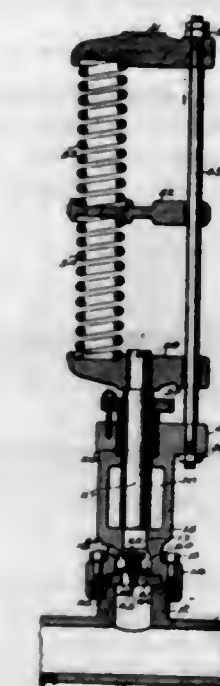
1. An electric switch comprising a liquid container, a readily vaporizing electrolyte of high heat absorbing

capacity contained therein, a member at least partially submerged in said electrolyte and having an interior



- chamber open to said electrolyte, in combination with a movable switch member drawing an arc in said chamber on the opening of the switch.

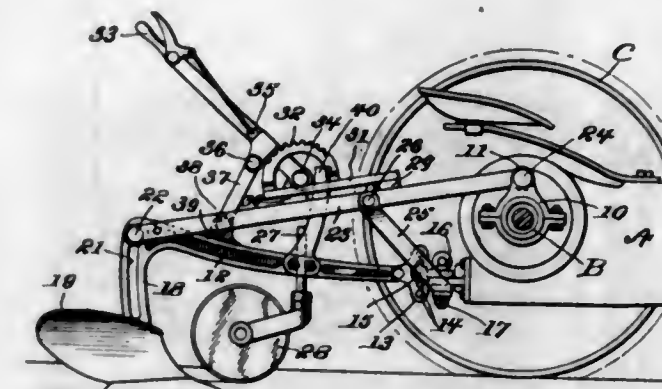
1,512,736. SHOCK ABSORBER FOR HYDRAULIC SYSTEMS. ROSCOE HILTON ALDRICH, Allentown, Pa. Filed Aug. 15, 1922. Serial No. 582,094. 3 Claims. (Cl. 137-71.)



1. In a hydraulic system, a pipe for carrying liquid under pressure, a shock absorber in communication with said pipe, said absorber comprising a chamber for receiving the liquid from the said pipe, a spring pressed plunger normally preventing the entrance of the liquid into said chamber, and a check valve between the chamber and pipe and opening toward said chamber, said valve being provided with small openings whereby when a shock occurs in the pipe the valve will be opened and the plunger raised to admit the liquid into said chamber and after the shock is over the excess water in the chamber will be gradually forced back into the pipe.

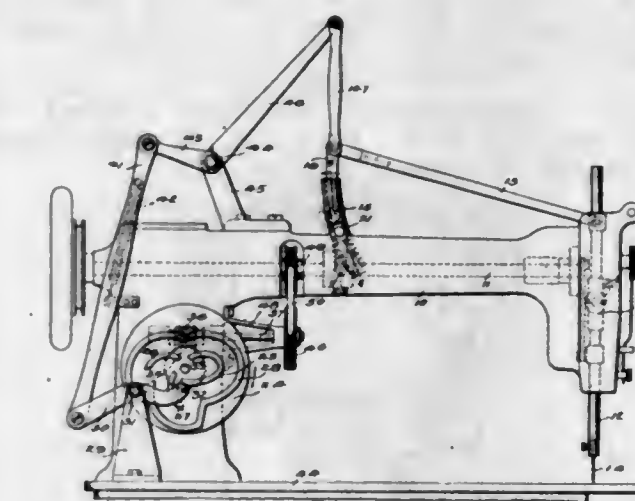
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1,512,737. PLOW ATTACHMENT FOR TRACTORS. JOHN S. ANDRESS, Jr., Palmetto, Fla. Filed May 16, 1923. Serial No. 639,434. 4 Claims. (Cl. 97-47.)



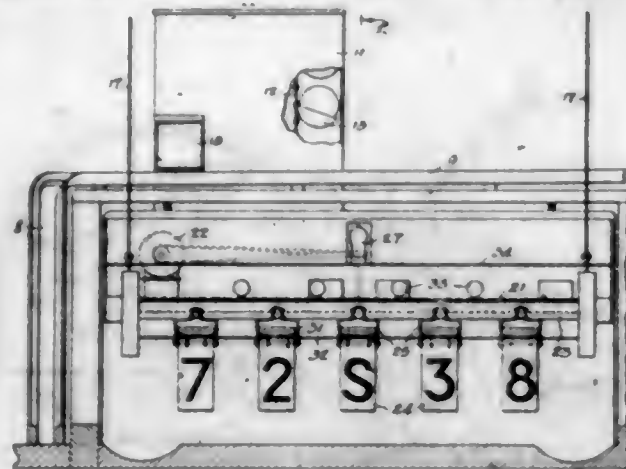
1. A plow attachment for tractors comprising a relatively stationary frame provided with means for connection upon the rear axle housing and draw bar of a tractor, a plow beam pivotally mounted on said frame and carrying a ground engaging element, and means for swinging said beam to vary the position of the ground engaging element, said frame consisting of forwardly diverging bars connected by cross bars, a clevis carried by the forward end of the beam and detachably connected with the draw bar of the tractor, a brace connected with said clevis and with the cross bars of the frame, and clamping collars connected with the forward ends of the first named bars and embracing the axle housing of the tractor.

1,512,738. EMBROIDERING-MACHINE ATTACHMENT. MORRIS ARONSON and WILLIAM BAUMGART, New York, N. Y. Filed Aug. 15, 1922. Serial No. 582,032. 1 Claim. (Cl. 112-158.)



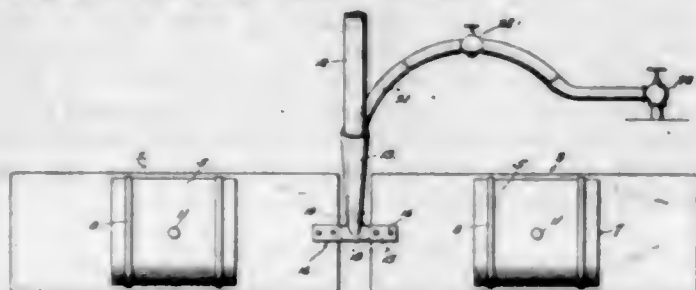
- In combination with an embroidery machine having a needle and driving mechanism therefor, of an attachment including a pivotally mounted arm operatively connected with said needle for varying the action thereof, a pin extending from said arm, a disk rotatably mounted on said machine, means for driving said disk from the main driving shaft of said machine, a plurality of independent cam sections mounted on said disk, each section acting to regulate the time and movement of the needle of said machine, said pin engaging said cam sections whereby the pin and arm are moved by said cam sections, and a surrounding upstanding wall mounted on said disk substantially conforming to the general shape of the cam sections and acting to prevent displacement of said pin.

1,512,739. AMUSEMENT APPARATUS. SAMUEL EUGENE BAKER, Johnstown, Pa. Filed Feb. 23, 1923. Serial No. 620,799. 7 Claims. (Cl. 40-61.)



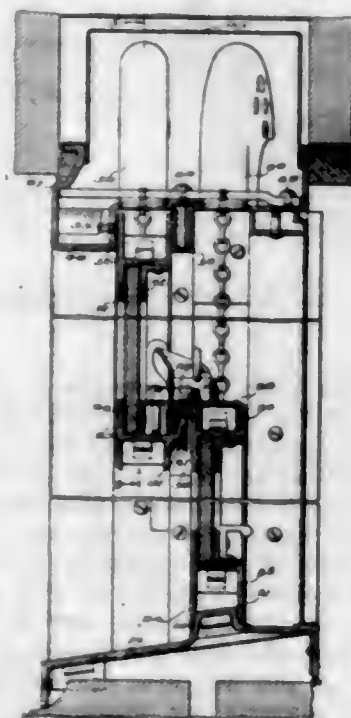
1. The combination with a bowling alley; of an endless conveyor at one end of said alley and operable to move transversely thereof in a single horizontal plane, and a plurality of targets suspended from said conveyor.

1,512,740. SCRUB BRUSH. WILLIAM BAKER, Cincinnati, Ohio. Filed Feb. 23, 1924. Serial No. 694,622. 5 Claims. (Cl. 15-128.)



1. In a scrub brush, the combination with a pair of aligned brush sections, of a handle holder connecting the brush sections, the backs of the brush sections provided with perforations, fountains on the backs and adapted to contain liquid soap to supply the soap to the bristles through the perforations, and means for supplying water to the bristles of the brush sections.

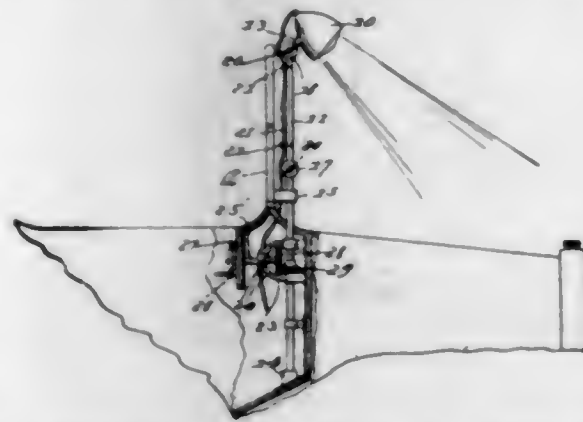
1,512,741. DOUBLE-HUNG WINDOW. SIDNEY U. BARR, Brooklyn, N. Y. Filed Nov. 25, 1922. Serial No. 603,309. 7 Claims. (Cl. 189-72.)



1. A double hung window, comprising a metal frame or casing, an upper sash slidingly mounted in said frame, a lower sash slidingly mounted in said frame,

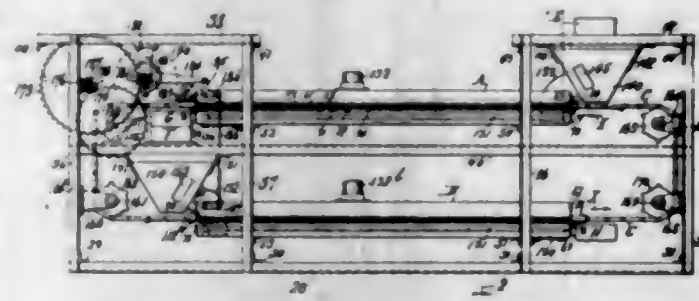
means carried by the frame near the upper end for pinching the top rail of the upper sash when in a closed position, said means including a screw having a comparatively flat head with the edge of the head rounded and a parting strip formed with a pressed out cam near the center for preventing rattling of the lower sash when in a closed position.

1,512,742. CONVERTIBLE LIGHT FOR MOTOR CARS. DOTSON C. BREWER, Augusta, Kans. Filed June 9, 1922. Serial No. 567,013. 1 Claim. (Cl. 240-61.)



The combination with a vehicle, of a lamp carrying standard mounted in front of and parallel with the windshield and extending to a point adjacent the top of the windshield, a lamp provided with a stem having a snap joint connection with the upper end of the standard, a snap joint interposed in the standard at a point adjacent the lower edge of the windshield to permit of breaking the standard to lower the lamp, bearings for said standard below the second said snap joint, and means for rotating the standard in said bearings, irrespective of the adjustment of said snap joint.

1,512,743. VAPOR EXTRACTOR. GASTON A. BRONDER, Brooklyn, N. Y.; Lucia R. Bronder administratrix of said Gaston A. Bronder, deceased. Filed Aug. 13, 1921. Serial No. 491,959. 8 Claims. (Cl. 202-14.)



1. In a vapor extractor the combination of a conveyor having compartments open at their top and bottom sides for a material to be conveyed, a plate forming a support for the conveyor and its compartments, means to move the conveyor over said plate with the material in said compartments, the movements of the conveyor forming ridges in the material that project above the walls of the compartments and means to remove the peaks of the ridges and thereby distribute the material composing the ridges into the bottom portion of the conveyor.

1,512,744. SCRUBBING-PAIL ATTACHMENT. MARGARET HARKNESS CALDER, Rogers, Mich. Filed Aug. 13, 1923. Serial No. 657,041. 2 Claims. (Cl. 15-264.)

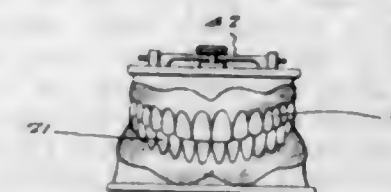
1. An article holding attachment for pails comprising a wire frame having all sides except the top covered with wire screen to define a cage or basket, one side

wall of the basket being curved for conforming engagement against the side of the pail, means within the basket defining separate compartments for the recep-



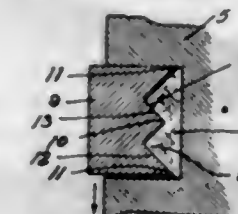
tion of different articles, and suspension hooks carried by the basket engageable upon the top of the pail for holding the basket in position.

1,512,745. DEMONSTRATOR. THOMAS W. CAREY, Jr., New Orleans, La. Filed July 16, 1923. Serial No. 651,930. 5 Claims. (Cl. 35-16.)



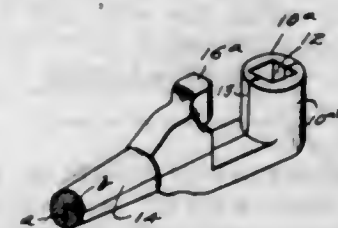
1. Means for displaying dental work comprising a base, a plurality of artificial teeth, posts extending from the teeth, means included in the base for removably receiving the posts and laterally movable means providing a frictional engagement between the base and posts.

1,512,746. PISTON RING. WILLIAM E. CO HAGAN, Denver, Colo. Filed Apr. 23, 1923. Serial No. 633,913. 6 Claims. (Cl. 74-109.)



1. A piston packing composed of an outer expansion metallic ring and an inner layer of cork, the inner surface of the piston ring having a central ridge adapted to penetrate the cork and an inwardly projecting ridge on each side of said central ridge.

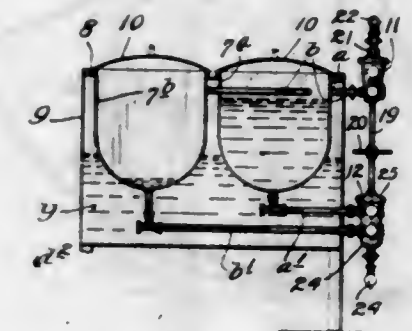
1,512,747. ADJUSTABLE SURE-GRIP HANDLE. CHARLES R. CUSTIS, Harrison, N. J. Filed June 30, 1923. Serial No. 648,828. 2 Claims. (Cl. 74-33.)



1. A device of the class described having sections providing gripping jaws, said sections collectively having a substantially conical portion, one of the sections at said portion being substantially V-shape in cross section and the other section being correspondingly grooved

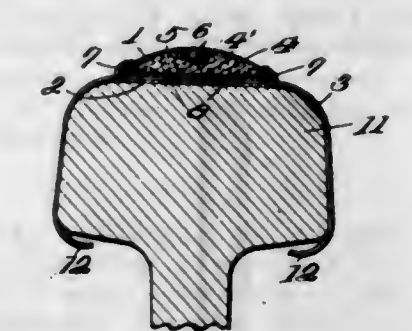
to receive the same, a screw threaded shank on one of the sections beyond said conical portion and the other section, and a sleeve constituting a grip for the device screw threaded to said shank and having a substantially conical wall to engage the conical portion to compress the latter.

1,512,748. TEMPERATURE-MAINTAINING APPARATUS. ALFRED J. DAVIS, Minneapolis, Minn. Filed July 20, 1922. Serial No. 576,234. 6 Claims. (Cl. 137-21.)



2. A temperature maintaining apparatus comprising a tank and a plurality of kettles located therein, an intake valve casing connected to a source of liquid supply, intake pipes leading from said casing to the several kettles, a discharge valve casing, discharge pipes leading from the several kettles to said discharge valve casing, and connected intake and discharge valves working respectively in said intake and discharge valve casings, said valves having ports arranged to progressively open said intake and discharge pipes, the one ahead of the other, said intake and discharge pipes being connected to their respective valve casings at diametrically opposite points and at different elevations and in which each of said valves is provided with two ports, the ports of a particular valve being set one ahead of the other.

1,512,749. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, Versailles, Pa., assignor to Central Railway Signal Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Dec. 4, 1920. Serial No. 428,231. 6 Claims. (Cl. 246-487.)

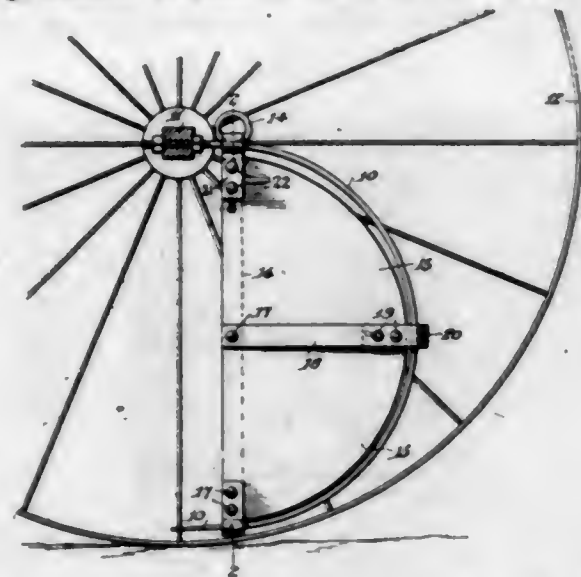


4. A railway signaling appliance, consisting of a carrier having parallel spaced slots, spring clips consisting of a strip of resilient metal secured to the carrier and having crimps registering with and protruding slightly through the slots, a waterproof fibrous container secured in the carrier by crimped edges of the latter; and a detonator, a flash-light powder and inflammable powder producing a pungent odor on ignition, all contained within the container.

1,512,750. HAYRAKE SHIELD. ELMER D. EBERLE, Sumner, Nebr. Filed July 21, 1923. Serial No. 653,012. 1 Claim. (Cl. 56-399.)

A device of the class described comprising a guard plate with one edge conforming substantially to the terminal tooth of a hay rake, a reinforcing member at-

tached to the plate and extended at one end and the extended portion bent into a loop and adapted to engage the tooth near the point thereof, another reinforcing member attached to the plate at right angles



to the first mentioned reinforcing member and extended at one end and bent into a loop to loosely engage the tooth intermediate the ends thereof, and a U-shaped member engaging through the spring coil of the tooth and adjustably coupled to the plate.

1,512,751. PROCESS OF PRODUCING NONINFLAMMABLE CELLULOIDLIKE PRODUCTS. ALFONS FAUSTEN, Cologne-on-the-Rhine, Germany, assignor to Deutsche Sprengstoff-Aktien-Gesellschaft in Hamburg, Hamburg, Germany, a Corporation. Filed May 29, 1923. Serial No. 642,362. 5 Claims. (Cl. 134-79.)

4. The process for producing non-inflammable celluloid-like products, which consists in adding to a solution of acetyl-cellulose an amount up to five per cent of a nitro-cellulose, which is of low viscosity and which is easily and highly soluble in the solvent employed for the acetyl-cellulose and adding an acetyl group binding agent to said mixture.

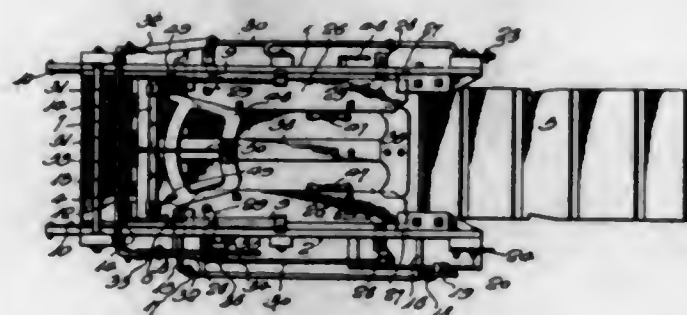
1,512,752. LIQUID-LEVEL INDICATOR. CASSIUS M. FISK, Liberty Center, Ohio. Filed Jan. 12, 1923. Serial No. 612,225. 5 Claims. (Cl. 73-82.)



1. A device of the character described comprising a housing, a float movable in said housing, a designating tape connected to said float, a plurality of pulleys about

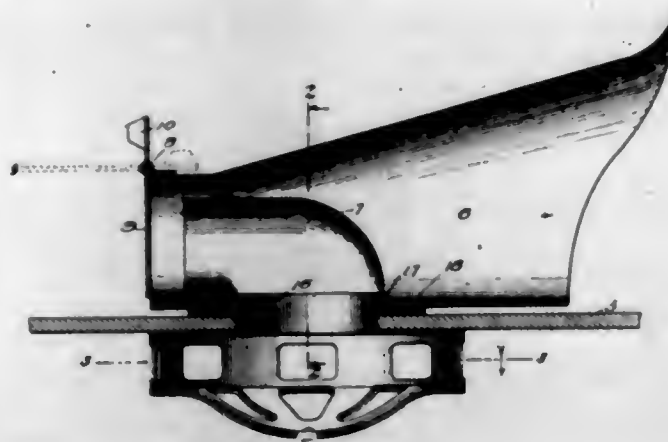
which said tape is adapted to move to display the designating characters thereon, and means for supporting said pulleys within the housing, said means comprising a removable strip adapted to be received within the housing.

1,512,753. BREEDING CRATE. AUGUSTUS W. FOSTER, Malvern, Iowa. Filed Oct. 9, 1922. Serial No. 593,387. 8 Claims. (Cl. 119-98.)



1. A breeding crate comprising a housing having side walls and an end wall, a gangway at the second end of said housing, a flooring for said housing, rocker shafts journaled in the housing and having offset portions connected with the flooring, one of the rocker shafts having a second offset portion connected with the gangway to pivotally mount the gangway, and means for rotating the rocker shafts to move the flooring upwardly while the gangway is moving downwardly.

1,512,754. VEHICLE VENTILATOR. JACOB GAROR, Brooklyn, N. Y. Filed May 13, 1922. Serial No. 560,624. 1 Claim. (Cl. 98-27.)

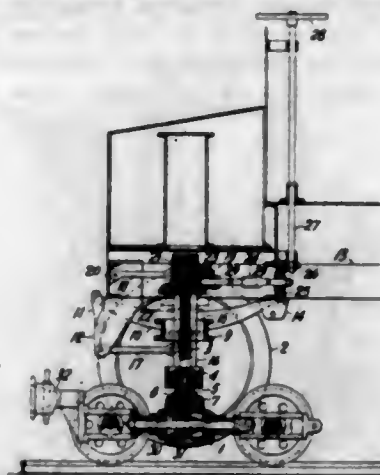


In a ventilator for use with vehicles, a pair of nesting casings arranged within the vehicle, each casing including an annular vertical wall having openings and a bottom wall having openings, the bottom walls being pivotally connected at their centers, the outer casing being supported upon the vehicle, the inner casing being rotatably supported within the outer casing, the openings in said casings being adapted to be brought into registry or moved out of registry upon rotation of the casing.

1,512,755. POWER-DRIVEN VEHICLE FOR SERVICE ON ROADS AND RAILS. ALEXANDER GALBRAITH, Dalmuir, Scotland, assignor to Roadralls Limited, London, England, a Company of Great Britain. Filed July 6, 1923. Serial No. 649,915. 10 Claims. (Cl. 105-159.)

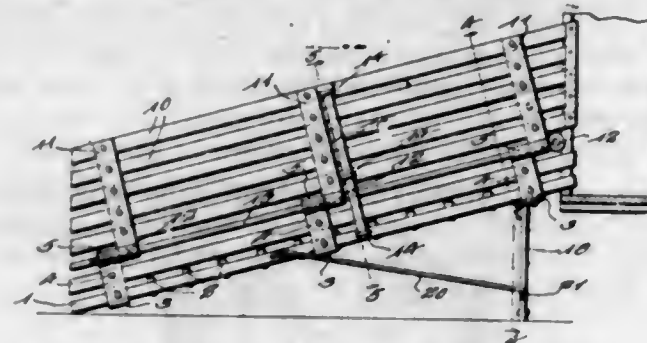
1. A power driven vehicle for service on roads and rails comprising in combination a rail wheel unit such

as a rail bogie, and means whereby for road service the said rail wheel unit is carried on the vehicle in



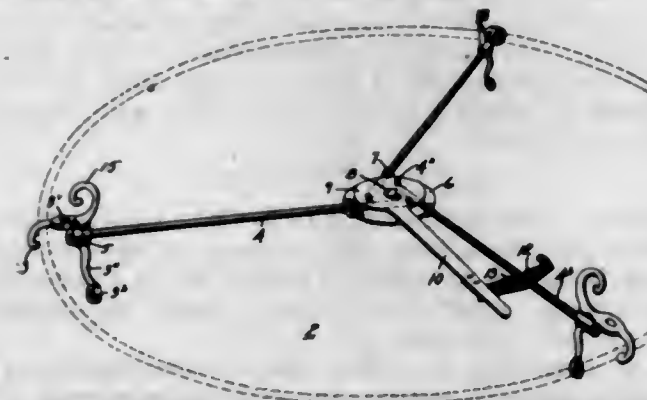
a position clear of road and rail and for rail service is carried thereon in running position on a rail track as required.

1,512,756. STOCK LOADER. WILLIAM B. GHARST and GUSTAV KARL, Mason City, Iowa. Filed Jan. 4, 1923. Serial No. 610,585. 1 Claim. (Cl. 119-82.)



A knock-down stock loader comprising a floor, transverse metal bars secured to the underside of said floor and having their ends directed upwardly and bent to form eyes, the extremities of the bars being bent downwardly against said upwardly directed portions and then bent inwardly under and secured to the under-faces of the horizontal portions of the bars, a pair of inwardly foldable side walls having metal bars whose lower ends are formed with eyes aligned with those aforesaid, removable pivot-rods passing through the aligned eyes, vertically aligned eyes on the floor, and on one of said side walls, a removable bolt received in said eyes to hold said one wall in upright position, and releasable means extending from said one side wall to the other wall for holding the latter upright.

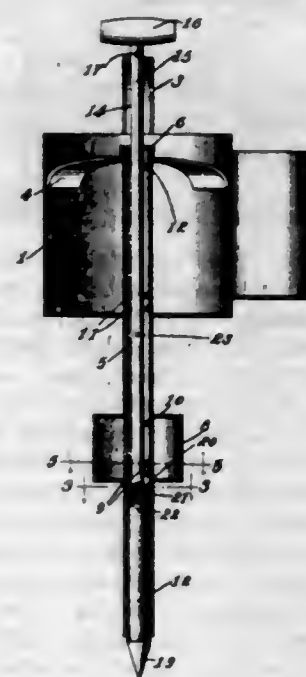
1,512,757. ELECTRIC-LIGHT-BOWL HANGER. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed May 4, 1921. Serial No. 466,692. 3 Claims. (Cl. 240-150.)



1. An electric light bowl hanger comprising a bearing member, substantially radially disposed arms, bearing in said member, bowl rim engaging hooks on the outer ends

of said arms, a plate pivoted to said bearing member and to which the inner ends of said arms are pivoted, a lever extending from said plate for rotating the plate with respect to the bearing member and means for securing the lever to one of the arms.

1,512,758. PLANT-WATERING DEVICE. RALPH A. CRAVATT, Emporia, Kans. Filed Oct. 19, 1921. Serial No. 508,856. 2 Claims. (Cl. 47-49.)



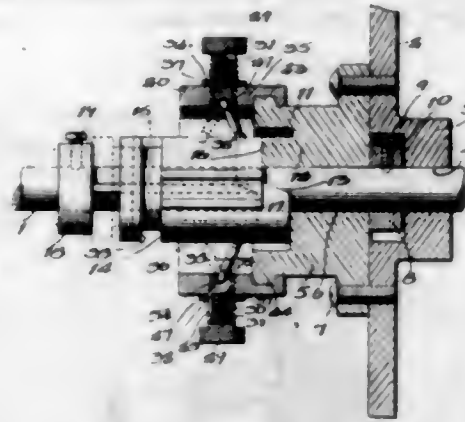
1. In a device of the class described, a measuring receptacle, a tank thereabove, a tube passing through the receptacle and extended into the tank and supporting the receptacle and the tank, the tube having a liquid outlet port communicating with the receptacle and located adjacent to the bottom of the receptacle, an air outlet port communicating with the receptacle and located adjacent to the top of the receptacle, a liquid inlet port communicating with the tank and located adjacent to the bottom of the tank, and an air outlet port disposed at the upper end of the tube; a plunger comprising a stem, and a head slidable in the tube; means for limiting the downward movement of the plunger to dispose the head below the liquid outlet port but within the tube; and means for limiting the upward movement of the plunger to dispose the head in closed relation with respect to the liquid inlet port.

1,512,759. AUTOMOBILE WINDOW. JOSEPH S. GREENLEY and JOHN A. NAISMITH, San Jose, Calif., assignors, by mesne assignments, to said John A. Naismith. Filed Feb. 28, 1921. Serial No. 448,450. 10 Claims. (Cl. 296-47.)



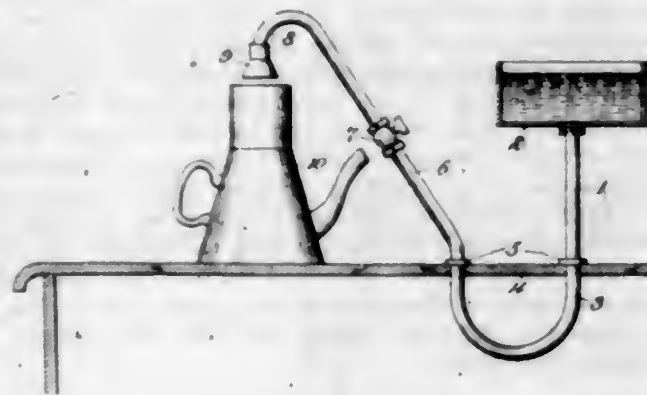
1. A track, a window slidably mounted thereon, a resilient suspension for said window from said track, and means inserted between the window and the track at spaced points and independent of the suspension for actuating said resilient suspension.

1,512,760. CLUTCH. PHILIP RICHARD HANCOCK, Butte, Mont. Filed May '8, 1923. Serial No. 637,520. 4 Claims. (Cl. 192-56.)



1. In a clutch, a freely rotatable clutch member, a clutch member axially aligned with the first clutch member and movable axially to and from position to engage with the latter, said clutch members having cooperative jaws on their confronting faces, the contiguous walls of said jaws when the clutch members are engaged with each other lying in planes inclined in respect to the axis of rotation of the second clutch member, a carrying ring disposed in spaced concentric relation to the second clutch member and being held against axial movement relatively to the first clutch member, and inwardly pressed yieldable means extending obliquely between the inner wall of the carrying ring and the outer wall of the second clutch member for yieldingly holding the latter from disengaging the first clutch member.

1,512,761. PERCOLATOR. VICTOR HEBERT, New Iberia, La. Filed Oct. 11, 1923. Serial No. 668,004. 1 Claim. (Cl. 126-34.)

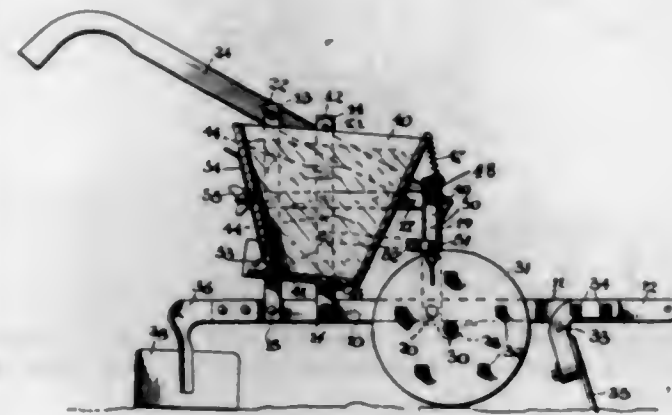


In a device for brewing beverages, the combination with a coffee pot, a water container arranged adjacent the pot, open at its upper end and an outlet in its lower wall, a conduit connected to the outlet and having a portion thereof bent downwardly and then upwardly, collars arranged on the conduit extending at an angle from the bent portion and having a neck portion at the end of the angular portion, spray nozzles arranged on the extreme end of the angular portion, and a cut-off valve arranged in the angular portion of the conduit, substantially as and for the purpose specified.

1,512,762. FERTILIZER DISTRIBUTOR. ALEXANDER HODGES, Hendland, Ala. Filed June 15, 1923. Serial No. 645,607. 1 Claim. (Cl. 111-75.)

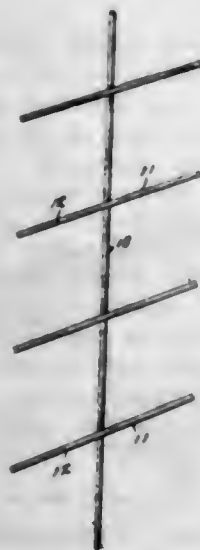
An apparatus for the purpose set forth comprising a rearwardly discharging shiftable container, a pair of spaced vertical standards opposing each side thereof, one standard of each pair arranged forwardly of the other standard of the pair, a frame carrying said standards

and positioned below the container, means for connecting each pair of standards together and projecting forwardly therefrom, an arch-shaped member arranged in advance of the container and secured to said frame and means, a resilient connection between the container and said member, a rod connected to the upper ends of the for-



ward standards and extending over the container and coupled with the sides thereof, a trip lever suspended from said member and pivotally connected with one side of the container, means carried by the frame for actuating said lever to shift the container, and handles secured to said standard connecting means and to said rear standards.

1,512,763. REINFORCEMENT FOR CONCRETE STRUCTURES. JULIUS HERMAN HOLMGREEN, San Antonio, Tex. Filed Nov. 9, 1922. Serial No. 599,888. 13 Claims. (Cl. 72-110.)

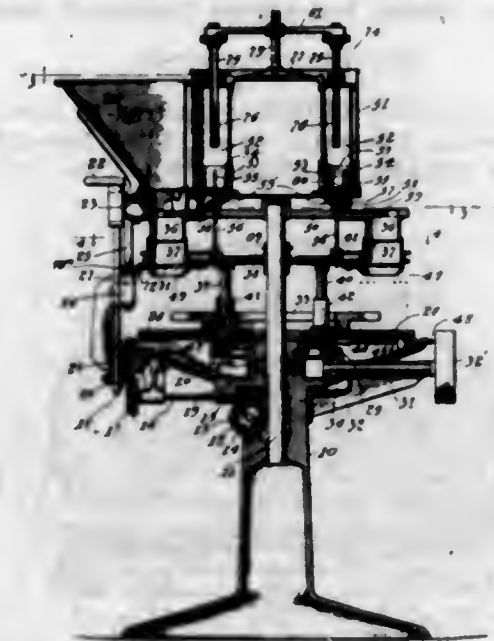


11. As an article of manufacture, a spacer for concrete reinforcing devices consisting of a longitudinal wire with short tie wires permanently attached thereto and having free ends for the purpose of being wound about reinforcing members certain of said short tie wires projecting at opposite sides from the first wire, substantially as set forth.

1,512,764. CAN-FILLING MACHINE. AUGUST HOLMQUIST, Sr., Hoopeston, Ill., assignor to Sprague Can-Filling Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1918. Serial No. 256,523. 18 Claims. (Cl. 226-97.)

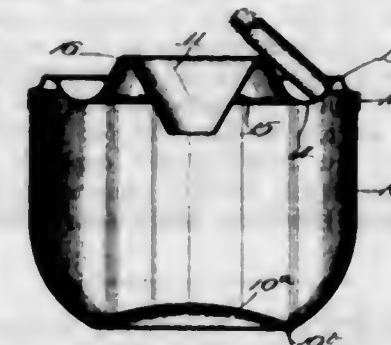
1. In a machine for filling cans, the combination of a rotatably-mounted can-conveyor; a pea-measuring element comprising receivers arranged to revolve with said can-conveyor; means for filling the receivers while they are moving; and a brine-measuring and delivering ele-

ment having measuring chambers and passages permanent with respect to said chambers and receivers for conducting the brine from the chambers to the receivers



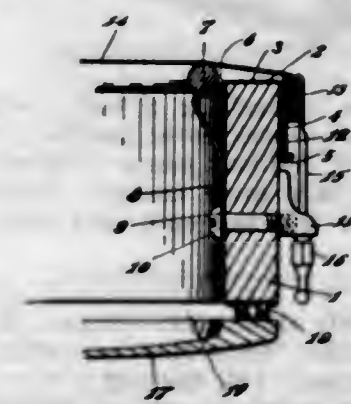
arranged to turn with said can-conveying element and to discharge into the cans through the receivers while the parts are moving.

1,512,765. CIGARETTE TRAY. JAMES B. HORNE, St. Charles, Ill. Filed May 10, 1919. Serial No. 296,194. 2 Claims. (Cl. 131-51.)



2. A device of the class described comprising a bowl and a cover detachably mounted on the upper end of said bowl, said cover being provided with an annular rib and a cone-shaped funnel portion surrounded by said rib and extending downwardly therefrom, said cover being further provided with an annular trough around said rib and a second annular rib adjacent the outer edge of said cover.

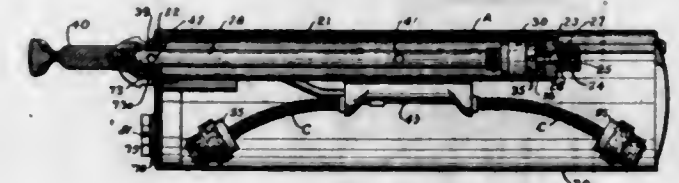
1,512,766. ATTACHMENT FOR MUSICAL INSTRUMENTS OF THE BANJO TYPE. EMIL HOUBLETT, Brooklyn, N. Y. Filed Jan. 21, 1922. Serial No. 530,970. 4 Claims. (Cl. 84-272.)



4. In a musical instrument of the banjo type having a rim, a ring of less diameter than said rim and a band of greater diameter, a support having an eye at one end for securing the same within and to the rim and having a

shoulder for supporting the ring, said support being bent so as to project over the edge of the rim and against the outside of the same and having a hook at its outer end for supporting the band whereby the band and the ring are spaced from the rim and sound may pass from the interior of the instrument over the edge of the rim and between the ring and band.

1,512,767. FIRE EXTINGUISHER. ROSCOE C. IDDINGS, Dayton, Ohio, assignor to Fyr-Fyter Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 13, 1917. Serial No. 148,309. 10 Claims. (Cl. 299-96.)

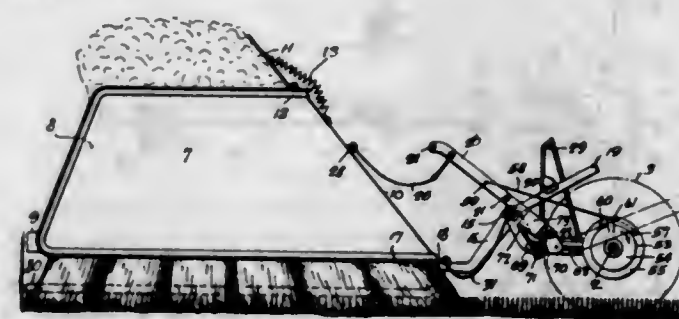


1. In a device of the character described, comprising a container, a pump and a valve, in combination; means for locking the pump piston to prevent longitudinal movement, said means being operable to unlock the piston by rotating the piston in either direction, and means for operating the valve by said rotation of the piston, whichever direction it is rotated.

7. In a device of the character described, a container, an outlet therefor, a pump for expelling the contents from the container, a flexible intake pipe connected to the outlet, one end of the pipe being free to seek its own position in response to gravity, the end thereof being weighted to make its self-adjustment more positive, and a cushion of felt or other soft substance surrounding said weighted end to prevent noise and injury to other parts of the device.

8. In a device of the character described, a container, two intake pipes, a discharge pipe common to both intake pipes, and gravity valve mechanism adapted to cut one or the other of the intake pipes off from the discharge pipe; said mechanism comprising a valve for each intake pipe, a member connecting said valves so that they move in unison, and a weight adapted to roll by gravity into contact with one or the other of said valves and operate it, said connecting member operating the other valve simultaneously but conversely, and means for isolating the weight from the connecting member so that its weight shall not add to the friction of the connector and thus impede its movement.

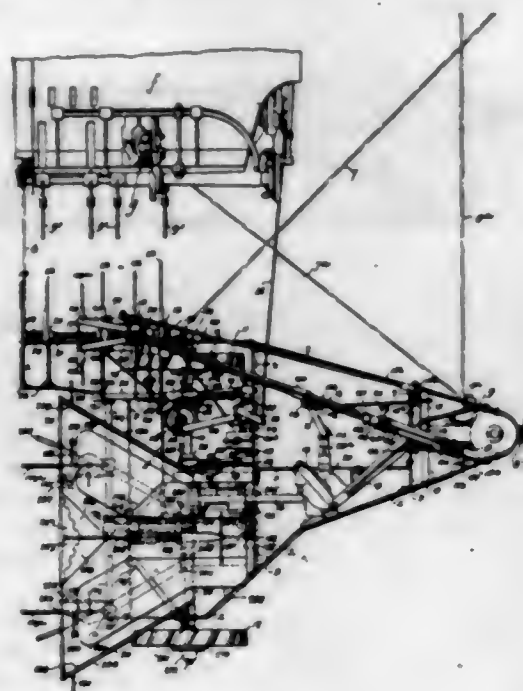
1,512,768. GRAIN SHOCKER. GEORGE INNES, Philadelphia, Pa., assignor to Innes Shocker Company, Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 23, 1919. Serial No. 346,843. 22 Claims. (Cl. 56-418.)



1. The combination in a shocking attachment for a reaper and blinder, of a basket; means for transferring bundles of grain from the blinder to the basket; means for holding the basket in position to receive the bundles; a loose connection between the basket and the machine, the basket being free from forwardly propelling force while in the act of falling and for a given length of time after it has fallen and deposited a shock on the ground and also being free from lateral movement of

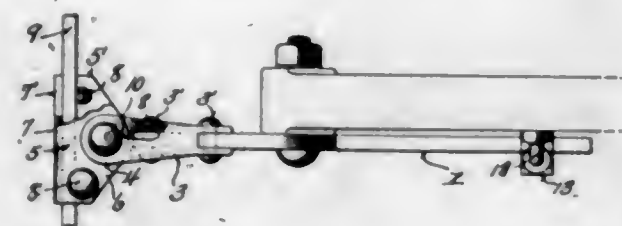
the machine so that the basket remains with the shock until the shock becomes inert; and means for withdrawing the basket from the shock and returning it to its first position.

1,512,769. GRAIN SHOCKER. GEORGE INNES, Philadelphia, Pa., assignor to Innes Shocker Company, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 6, 1920. Serial No. 349,706. 40 Claims. (Cl. 56-418.)



1. The combination in a shocking attachment for a reaper and binder, of a frame; a cradle on the frame of a size to hold two bundles side by side; means for feeding one bundle after another to the cradle; gripping mechanism in timed relation to the cradle mechanism so as to remove two bundles at a time from the cradle; means for turning the gripping mechanism so as to turn the bundles end to end; a basket; means for operating the gripping mechanism to discharge two bundles into the basket; and means for discharging the basket when a certain number of bundles is loaded therein.

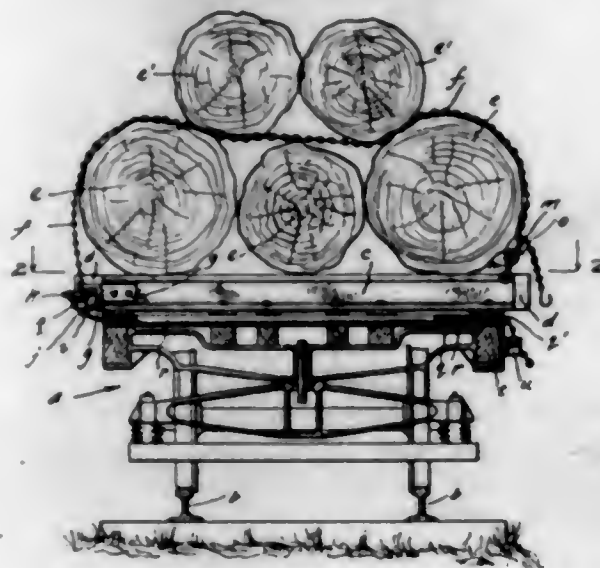
1,512,770. BUMPER-BAR HANGER. VICTOR JAKOB and GEORGE L. PEDERSON, Racine, Wis. Filed Jan. 8, 1924. Serial No. 684,951. 3 Claims. (Cl. 293-35.)



1. A hanger for bumper bars comprising a thrust arm adapted to be secured to the frame of a vehicle, a yoke head extending from the forward end of the thrust arm, the same being provided with apertured ears; the combination of an oscillatory bumper bar clamp for engagement with the edges of a bumper bar, the clamp including jaw members having rearwardly disposed apertured flanges fitted between the yoke head ears, and outer intumed lips for overlapping engagement with the edges of the bumper bar, a king bolt extending through the yoke head ears and clamp flanges, and bolts extending through the clamp flanges upon opposite sides

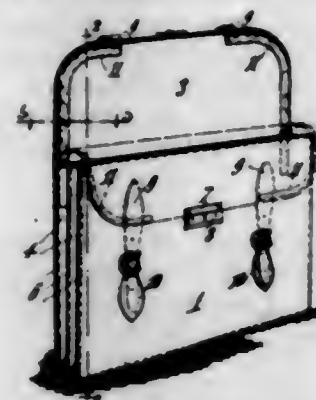
of the king bolt for drawing said clamp flanges together, the same constituting friction or gripping means associated with the lips of the clamp jaw members for securing the bumper bar against horizontal movement.

1,512,771. LOGGING TRUCK. CHESTER R. LAWLER and JOHN SANNAR, Enterprise, Oreg. Filed June 27, 1923. Serial No. 648,158. 4 Claims. (Cl. 280-179.)



1. The combination with a logging truck, of log securing means comprising a pivoted, vertically movable, pin on one side of the truck, a wrapper chain fastened at one end to the opposite side of the truck, and provided with an eye at its free end for securing on said pin, a trip chain extending across the truck, being provided with an eye at one end for securing on said pin, and means for securing the opposite end of the trip chain to the truck thereby temporarily to hold the pin against being lifted by the strain of the wrapper chain.

1,512,772. BRIEF CASE. SAMUEL H. LIFTON, Brooklyn, N. Y. Filed Aug. 4, 1923. Serial No. 655,567. 3 Claims. (Cl. 190-41.)

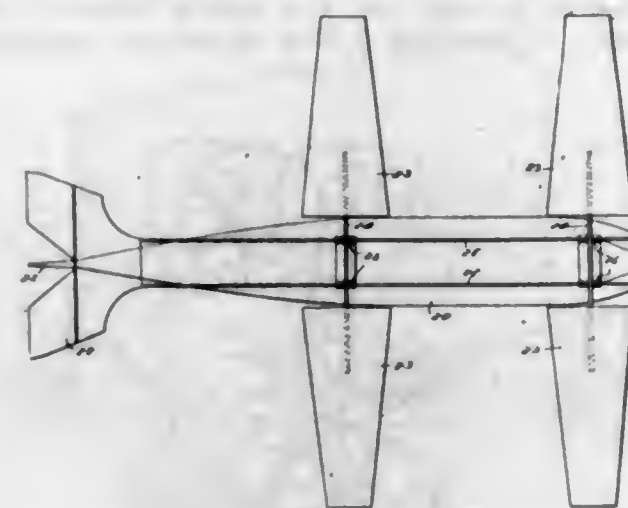


1. A brief case, comprising a body having a front cover member, and a back cover member provided with a closure flap, and resilient means connected with said closure flap and back cover member, adapted to automatically lift said flap and open said body.

1,512,773. FLYING MACHINE. HAKON G. LINDQUIST, Minneapolis, Minn. Filed July 13, 1922. Serial No. 574,604. 8 Claims. (Cl. 244-11.)

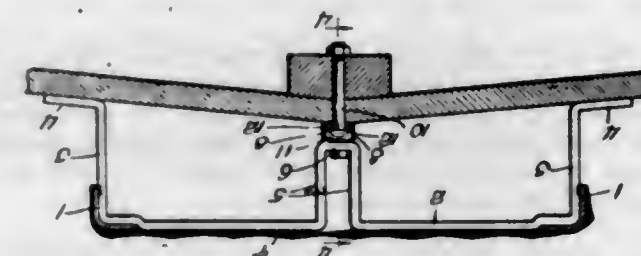
1. An air craft having pairs of laterally extended planes or blades mounted for reciprocatory movement in parallel paths longitudinally of the line of flight, and in angularly inclined relation to their paths of movement, means for moving the pairs of planes or blades simul-

taneously in opposite directions between the limits of their paths of movement and means for reversing the direction of inclination of the planes or blades at the



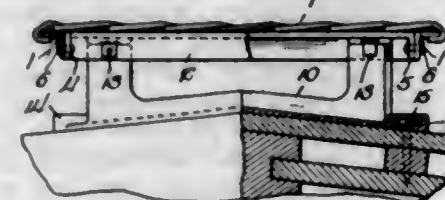
ends of their paths of movement in combination with means for simultaneously adjusting the degree of inclination of the planes or blades.

1,512,774. FOOTBOARD. JOHN C. LITTLE, Chicago, Ill., assignor to H. G. Doran & Co., a Corporation of Illinois. Filed Aug. 9, 1922. Serial No. 580,597. 3 Claims. (Cl. 105-457.)



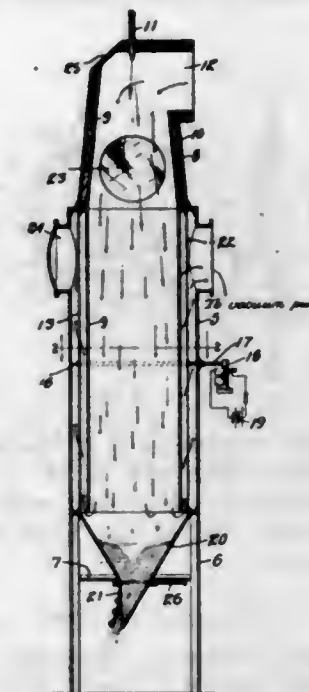
3. A foot-board having a pair of sections, each comprising a pair of side rails, a pair of transverse saddles each having two end and one intermediate legs, and a wire open mesh metal fabric bridging the rails and saddles to form a tread; a stirrup for attachment to a roof and the intermediate legs of adjacent saddles of adjoining sections; and a clip to protect the attachment of a stirrup with the roof.

1,512,775. FOOTBOARD. JOHN C. LITTLE, Chicago, Ill., assignor to H. G. Doran & Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1923. Serial No. 613,821. 3 Claims. (Cl. 105-457.)



3. A foot-board section for railway cars and the like comprising a rectangular self supporting framework unit having two angle iron side rails and two angle iron end rails secured together, an open mesh metallic fabric tread extending between the rails and anchored thereto, and a saddle at each end of the framework and for supporting the tread above a roof, each saddle having an upright leg for carrying the framework and for attachment to one of the rails.

1,512,776. DRYING APPARATUS. GERALD A. LOUGH, Plainfield, N. J. Filed May 10, 1921. Serial No. 468,867. 2 Claims. (Cl. 159-4.)



1. In a spray drier, a chamber, a funnel below the chamber for collecting the residue of solids one wall of the funnel sloping continuously toward the lower end of the funnel and the opposite wall having a lateral opening at its lower end, and a gate for said opening pivoted along its upper side to swing outward, substantially as set forth.

1,512,777. HAIR CLIPPER. JACK LOVE, Huron, S. Dak. Filed Aug. 6, 1923. Serial No. 656,062. 1 Claim. (Cl. 74-7.)

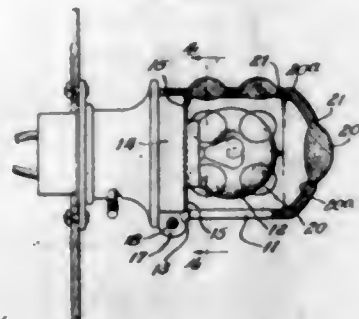


The combination with a hollow handle adapted to contain lubricant, a conical post in the handle, a gear wheel having a conical bearing receiving the post, a screw projected through the gear wheel and connecting the same to the post, a crank pin on the gear wheel, a link operatively connected to the crank pin, a power shaft projecting through one end of the handle, and a pinion on the shaft meshing with said gear wheel.

1,512,778. DASHBOARD-LAMP CAP. NELS B. LUNDAHL, Berwyn, Ill. Filed Aug. 29, 1923. Serial No. 659,860. 1 Claim. (Cl. 240-7.)

A lamp cap of the character described embodying a hood adapted to be placed over a lamp and having an area in the wall for the light rays to pass through, the extremity of the hood adjacent the open end thereof

being split for removably and frictionally securing the hood in position, projections integral with the base of the hood and adjacent opposite walls of the said split portion, and a headed screw passing through one of



the said projections transversely of the slot and having threaded engagement with the other of the said projections and operable to draw the projections together to contract the split end of the hood directly around the base of the lamp.

1,512,779. PENCIL. GEORGE RICHARD McCABE, Elkhorn, Wis. Filed Apr. 24, 1923. Serial No. 634,331. 1 Claim. (Cl. 120—18.)

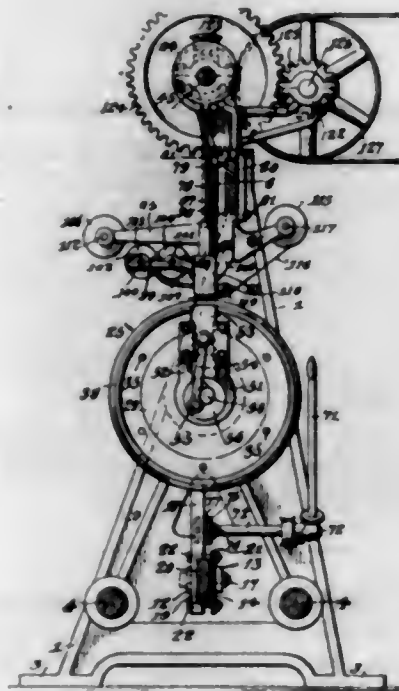


A pencil, comprising a barrel having a tapering lower end, the barrel for the remainder of the length being of uniform diameter and having its upper end internally threaded, a flanged and threaded cap screwed into the upper end of the barrel, said cap having a central aperture, a polygonal sleeve in the barrel and having its upper end secured to the cap, a feed screw having at its upper end a stem extending through the aperture of the cap, a thumb nut secured on the end of the screw projecting through the cap, a collar on the screw and engaging the underside of the cap, a polygonal nut on the screw, and a feeder rod secured to the nut and carrying at its lower end a lead holder.

1,512,780. WIRE-ATTACHING MACHINE. ROBERT J. McCLERNY, St. Louis, Mo., assignor to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Filed Dec. 3, 1923. Serial No. 678,362. 22 Claims. (Cl. 147—1.)

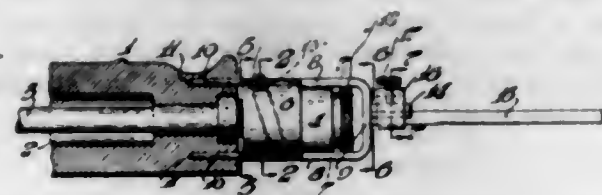
1. A machine for synchronously connecting end wires to collapsible barrel bodies comprising a combined barrel body holding and revolving mechanism including a pair of oppositely spaced holder elements engageable against the end edges of and extending into the ends of the

barrel for clamping it in position, a pair of oppositely spaced staple clenching mechanisms positioned within the barrel body held by said mechanism and each including a vertically disposed reciprocating tool opposing and spaced from the inner face of a holding element, a pair of staple forming and driving mechanisms positioned



above the barrel body held by said combined holding and revolving mechanism and arranged in superposed relation, with respect to said tools, operating means for said mechanisms, and staple and connecting wire feeding means arranged in operative relation with respect to said driving mechanisms.

1,512,781. SURGICAL SAW. HARVEY C. MASLAND, Philadelphia, Pa. Filed Apr. 26, 1922. Serial No. 556,684. 4 Claims. (Cl. 128—317.)

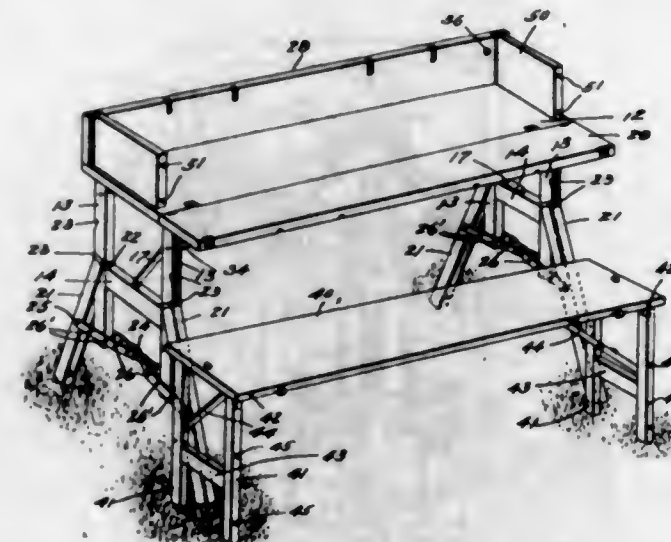


1. A device of the character stated comprising in combination, a handle, a driven shaft arranged axially thereof and projected forwardly therefrom which projected end is screw-threaded, a stock adjustably fitted to said screw-threaded portion, which stock is provided with a cam-groove, a member provided with a roller for cooperative relation with said cam-groove, an arm fixed to said member, a clamp fitted over said arm, a saw fitted within said clamp and against said arm, and a set-screw for securing said clamp, arm and saw in fixed relation.

1,512,782. CONVERTIBLE FURNITURE. WILHELM J. MICHELET, Seattle, Wash., assignor, by mesne assignments, to Auto Pullman Company, a Corporation of Washington. Filed June 11, 1923. Serial No. 644,618. 7 Claims. (Cl. 190—11.)

1. In convertible furniture, a packing case comprising lower, upper and side wall members, said lower and upper members being provided with legs hingedly con-

nected thereto and adapted to be respectively used as a camp table and a camp stool, and means for detachably connecting said lower member to said side members

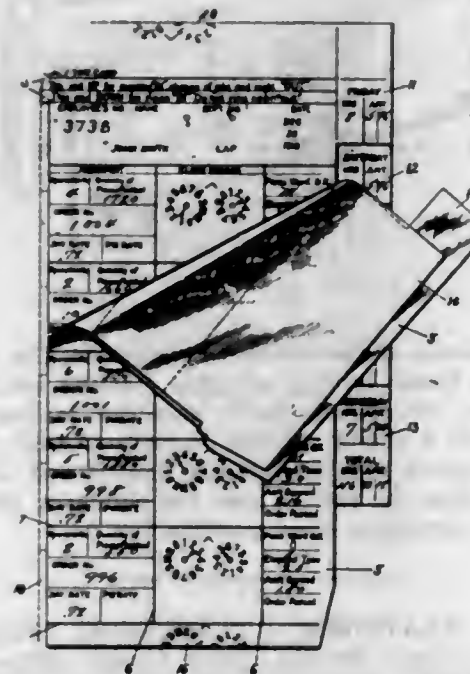


whereby the latter may be employed at the front or back selectively of said lower member to serve as leaf extensions thereto when used as a table.

1,512,783. COMPOSITION FOR DISPELLING FOGS. CHARLES J. S. MILLER, Franklin, Pa. Filed Dec. 5, 1922. Serial No. 605,107. 3 Claims. (Cl. 252—1.)

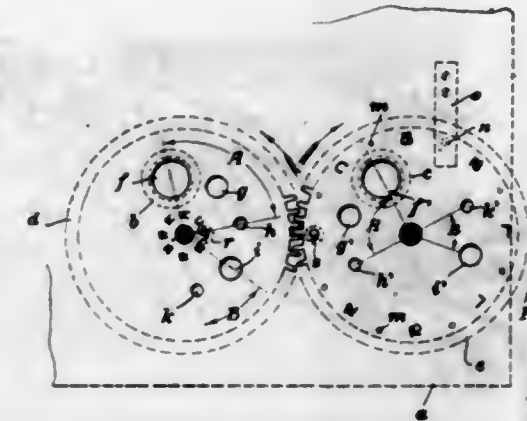
1. A composition for preventing and dissipating fogs overlying bodies of water, comprising a mixture of oil and a volatile liquid, for free dissipation in a thin film-like form over the surface of the body of water overlaid by the fog to prevent the air contacting with the water and of a characteristic to rise to dispel the fog.

1,512,784. TIME CARD. J. ARTHUR MINCH, Toledo, Ohio. Filed Apr. 14, 1920. Serial No. 373,683. 3 Claims. (Cl. 283—48.)



1. A time card for use in cost accounting systems having lines dividing it into sections appropriately designated for receiving data relating to each of a plurality of jobs and having a tab attached to the side thereof designated to receive a total of items of a similar nature appearing in the said sections and adapted to be positioned adjacent the tabs on similar cards.

1,512,785. DIAPHRAGM FOR THE OBJECTIVES OF STEREOCAMERAS. JOHANNES MITTASCH, Heidelberg, Germany. Filed Oct. 15, 1923. Serial No. 668,669. 2 Claims. (Cl. 95—64.)



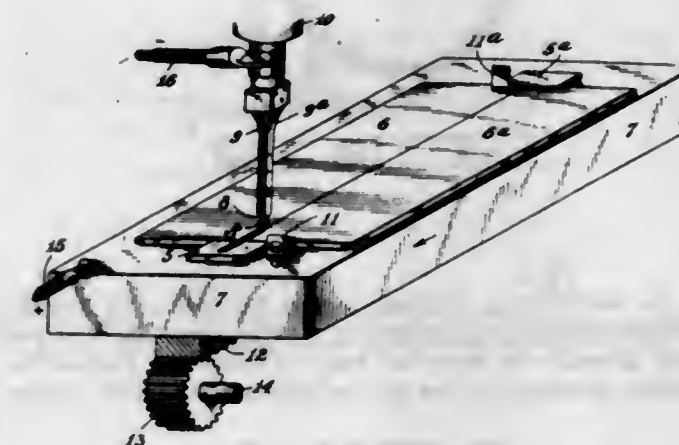
1. Diaphragms for the objectives of stereo-cameras comprising in combination two diaphragms gearing with one another having each two sets of apertures of different dimensions said sets being arranged in the one diaphragm in direct succession and in the other diaphragm displaced with regard to one another.

1,512,786. WELDING ELECTRODE. HARRY D. MORTON, New York, N. Y. Filed Jan. 22, 1924. Serial No. 687,677. 14 Claims. (Cl. 219—8.)



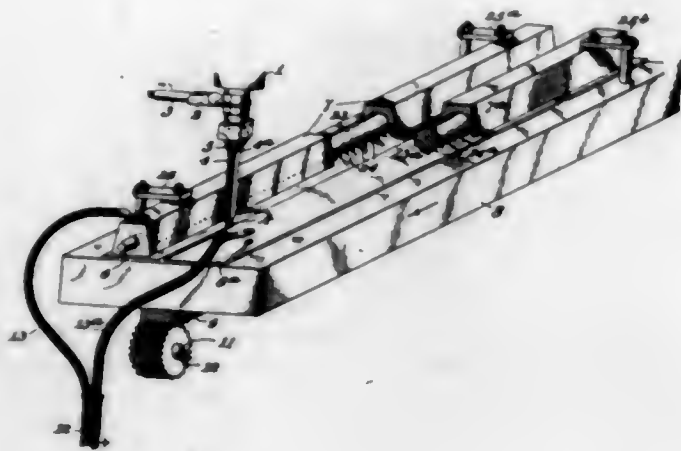
1. In metallic arc welding, two welding strips connected together by an unthreaded joint.

1,512,787. MEANS AND METHOD FOR EFFECTING CONTINUOUS ELECTRIC-ARC WELDS. HARRY D. MORTON, New York, N. Y. Filed Feb. 5, 1924. Serial No. 690,702. 14 Claims. (Cl. 219—8.)



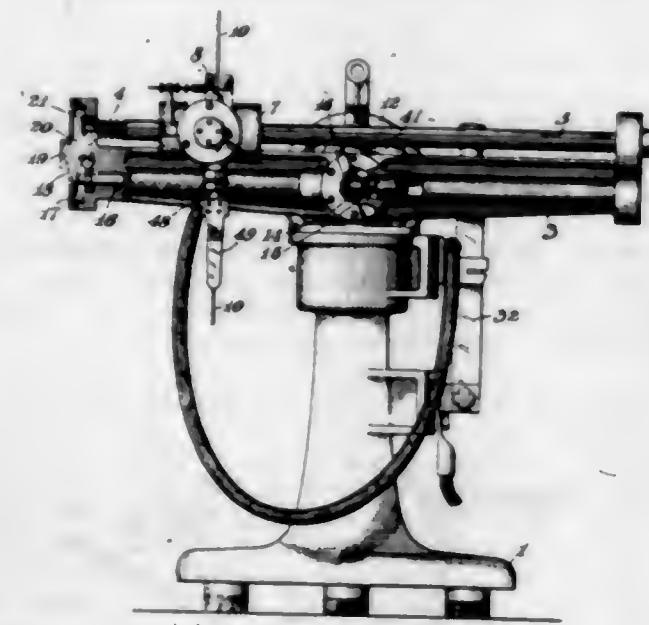
1. The method of electric arc welding which consists in depositing molten metal upon three electrically connected members and separating said members.

1,512,788. ELECTRIC-ARC-WELDING APPARATUS AND METHOD OF OPERATING THE SAME. HARRY D. MORTON, New York, N. Y. Filed Feb. 5, 1924. Serial No. 690,703. 10 Claims. (Cl. 219-8.)



1. In electric arc welding wherein the work constitutes one electrode and a welding pencil constitutes the other electrode, the improvement which consists in removing scale from the work and distributing current to the bare work on both sides of the seam to be welded.

1,512,789. ELECTRIC-ARC-WELDING MACHINE AND METHOD OF OPERATING THE SAME. HARRY D. MORTON, New York, N. Y. Filed May 8, 1924. Serial No. 711,773. 13 Claims. (Cl. 219-8.)

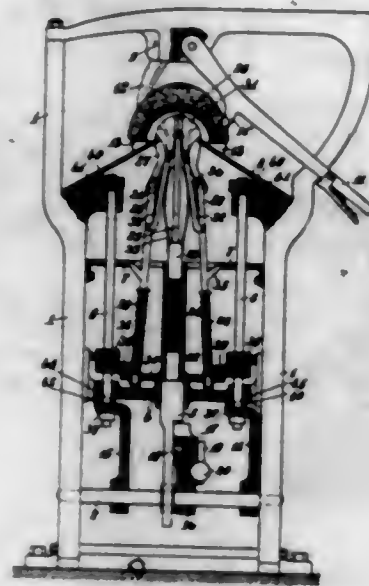


1. In electric arc welding, means for manually feeding electrode material to an arc, a master speed device, and means whereby the operator may correlate the feed of the electrode material to the arc to said master speed device.

1,512,790. MACHINE FOR REMOVING THE PULP OR CORE IN COCONUTS AND THE LIKE. BRUNO MÜLLER, Berlin-Neukölln, Germany. Filed Jan. 24, 1924. Serial No. 698,332. 9 Claims. (Cl. 146-7.)

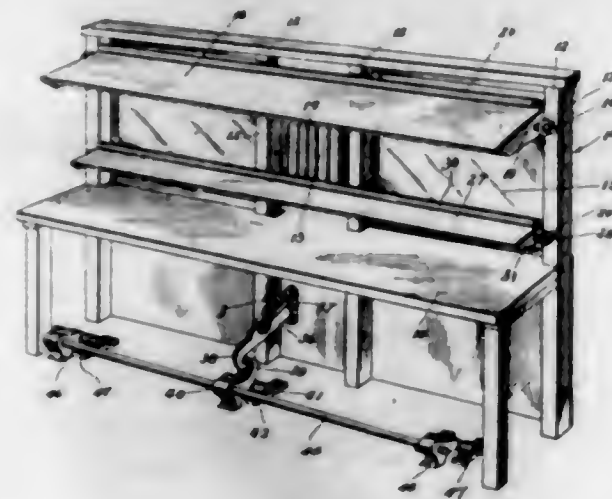
1. In a decorticating and depulping machine in combination, means of seating the fruit, cutting means adapt-

ed to enter the interior of the fruit, means to impart a pushing and coniform movement to said cutting means,



and means to impart a rotating movement to the cutting and seating means subsequent to said coniform movement.

1,512,791. CASHIER'S PROTECTOR. GEORGE A. MUSSELMAN, Mansfield, Ohio. Filed May 25, 1923. Serial No. 641,409. 4 Claims. (Cl. 268-2.)

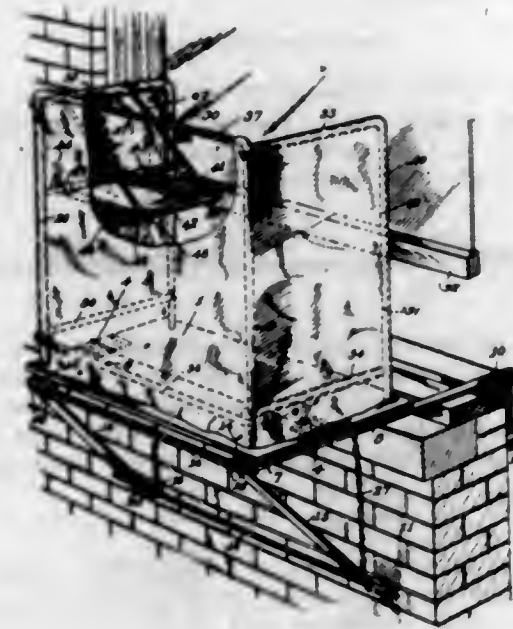


1. In a device of the character described, the combination with a frame having uprights forming windows between them; of spaced shafts mounted in bearings on said uprights, a shield secured on each of said shafts, a spring associated with one of said shields and said posts adapted to close the shields over the windows, and means holding the shields in open position.

1,512,792. PLATFORM ATTACHMENT FOR WINDOWS. ANTON NELSON, Sauk Center, Minn. Filed Apr. 4, 1923. Serial No. 629,864. 1 Claim. (Cl. 304-27.)

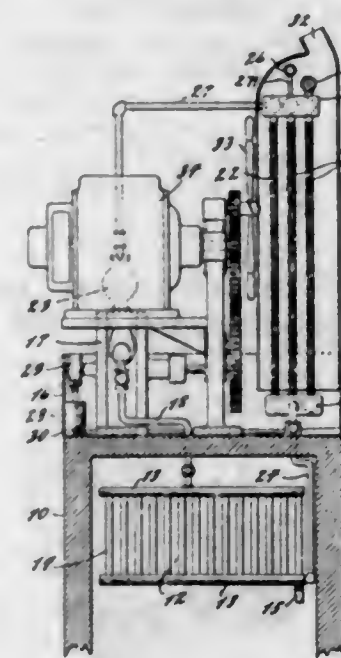
A device of the character described comprising a platform adapted to be partially disposed upon the sill of a window frame and to extend beyond the outer edge of the latter, means carried by the platform for engaging with the window sill and with the outer face of a wall provided with the window sill for holding said platform in the aforesaid position in respect to the window sill, a

superstructure on the platform having portions upstanding from the sides and outer end of the platform, and a shelf swingably supported on the superstructure, said



shelf being foldable from horizontal position to a position in which it is disposed flatwise against one of said upstanding portions of the superstructure.

1,512,793. REFRIGERATING MACHINE. CASSIUS CLAY PALMER, New York, N. Y. Filed Sept. 27, 1919. Serial No. 326,882. Renewed Mar. 25, 1924. 1 Claim. (Cl. 62-116.)



In a refrigerating apparatus, an expansion grid, a condenser, a compressor, pipe connections between said grid and said compressor and between said condenser and said grid, a water tank located beneath said condenser and adapted to hold water in contact with a large part of the walls of said compressor, a spraying apparatus, including a pump, to spray the water from said tank over said condenser, and a fan to force a current of air against said condenser, said compressor, pump and fan being operated from a single source of power.

1,512,794. TIRE-BEAD CONSTRUCTION. ROBERT C. PIERCE, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Jan. 21, 1922. Serial No. 530,801. 8 Claims. (Cl. 245-1.5.)



8. A tire bead containing a wire tape to impart inextensibility thereto, said tape comprising a plurality of parallel wires and a wire passing back and forth from edge to edge of the tape and serving to maintain the wires in parallelism.

1,512,795. TIRE-BEAD CONSTRUCTION. ROBERT C. PIERCE, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Jan. 27, 1922. Serial No. 532,096. 10 Claims. (Cl. 245-1.5.)



6. A tire bead comprising a short cylindrical band, said band being formed from a flat tape constituted of a number of turns of a single wire laid side by side.

1,512,796. TIRE-BEAD REINFORCEMENT. ROBERT C. PIERCE, Belleville, N. J., assignor to John R. Gammeter, Akron, Ohio. Filed Nov. 10, 1923. Serial No. 673,903. 3 Claims. (Cl. 245-1.5.)



1. A tire bead reinforcement consisting of a plurality of parallel wires and a relatively soft and bendable cross member to hold the wires in parallel relation.

1,512,797. BUMPER. CLARENCE E. PRYOR, Jersey City, N. J., assignor to Jennie A. Sweaf, New York, N. Y. Filed May 20, 1922. Serial No. 562,320. 21 Claims. (Cl. 293-55.)



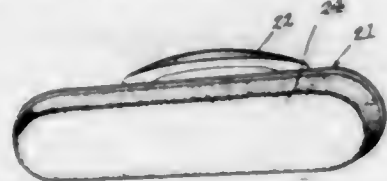
1. The combination with the spring horns of an automobile or the like, of a bumper rail, a clip normally holding said rail to present a face thereof substantially vertical and means for yieldingly mounting said rail on said spring horns to provide for substantially parallel vertical movement of said rail for different positions of yielding of said rail.

1,512,798. WORM HOB FOR GEAR CUTTING. MARCEL ULYSSE RAMSAY and DESIRÉ MARIE MOEGLIN, Bois-Colombes, France. Filed Apr. 18, 1922. Serial No. 555,292. 1 Claim. (Cl. 20—103.)



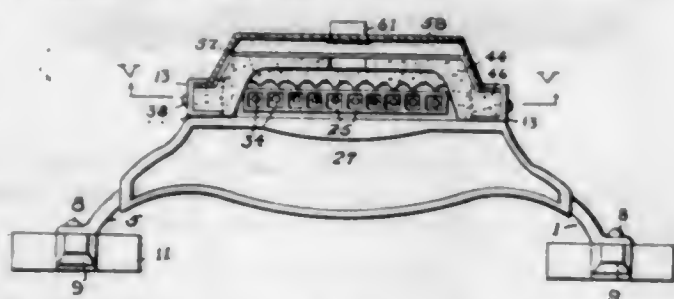
A worm hob for cutting gear teeth comprising a worm thread and two sets of helical grooves of opposite senses and greater pitch than the worm, the cutting edges being constituted by the intersection of the side faces of the said worm thread with said helical grooves, whereby the teeth succeeding each other on the worm thread will work alternately to the right and the left.

1,512,799. MANICURE KIT. ALBERT T. REID, Leavenworth, Kans. Filed Apr. 3, 1924. Serial No. 703,965. 7 Claims. (Cl. 132—75.)



7. A manicure kit comprising, a casing having a portion thereof formed open, a buffer including a buffer element for insertion within such open portion, and a tray separate from the buffer and engaging the casing and adapted to be shifted to an open position with the relation to the casing.

1,512,800. RADIANT STOVE. GEORGE FOSTER REZNOR, Mercer, Pa. Filed July 5, 1923. Serial No. 649,695. 7 Claims. (Cl. 126—92.)



5. In a radiant stove, a frame, a vertical column at each end, the columns having their opposing faces provided with vertical slots, a refractory back-wall having end portions in the slots, radiants retained at the front face of the back-wall, and a flue wall spaced from the rear face of the back-wall and having its ends seated in the said slots and retained thereby.

1,512,801. THORIA-CRUCIBLE PRODUCTION. HENRY KNEELAND RICHARDSON, Newark, and THEODORE MACLEAN SWITZ, East Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Aug. 23, 1923. Serial No. 659,800. 22 Claims. (Cl. 25—157.)

3. As a slip for casting refractory ware, a homogeneous mixture of incompletely shrunk thoria, grog, a medium adapted to serve as a colloid, a reagent capable of developing an electrolytic action in the presence of water, in the proportion of 40, 20, 5 and 2 parts respectively, and water to the desired consistency.

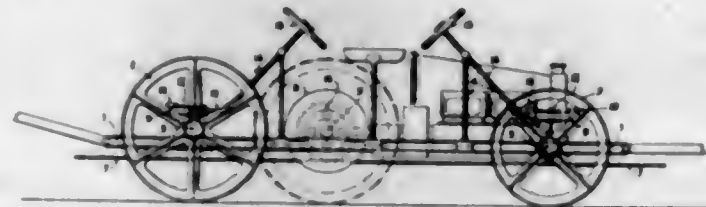
10. The method of making thoria ware, comprising forming a slip of thorium oxide, grog, a double halide salt adapted to serve as a colloid, a reagent capable of developing an electrolytic action in water, and water, subjecting said slip to a vacuum to exhaust any gases therein and casting.

1,512,802. PIPE. ROBERT R. ROBERTSON and CARL G. NAYLOR, Chicago, Ill., assignors to Naylor-Robertson Company, a Corporation of Delaware. Filed July 23, 1921. Serial No. 487,987. 7 Claims. (Cl. 137—75.)



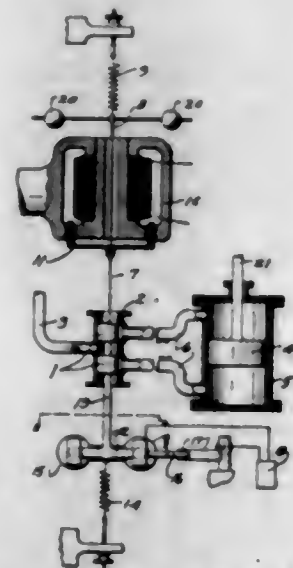
7. A substantially rigid pipe composed of a spirally wound metal strip, the edges of adjoining convolutions being folded over each other to form a joint and a third strip of harder material having its edge held between the edges of the spiral joint, said strips being relatively immovable.

1,512,803. MECHANICALLY-OPERATED FARM IMPLEMENT WORKING ON THE FIXED-CABLE SYSTEM. JAMES ROBINSON and PERCY ROBINSON, Leeds, England. Filed Dec. 4, 1923. Serial No. 678,437. 2 Claims. (Cl. 180—14.)



1. In a tractor of the kind specified; the combination with the tractor frame and its main or winding-drum shaft, of stub axles located on the tractor frame, two pairs of running wheels mounted on said stub axles, steering mechanism in connection with each pair of said running wheels for use when the machine is being employed at a rope-hauled tractor, one pair of said running wheels being transferable from their stub axles on to the ends of the main or winding-drum shaft so as to render the machine capable of being converted from a rope-hauled tractor into a self-propelled tractor at will.

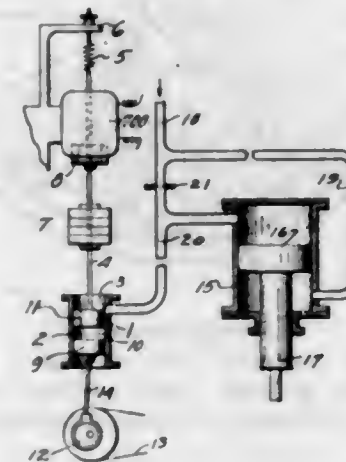
1,512,804. AUTOMATIC REGULATOR. ERICH ROUČKA, East Orange, N. J. Filed Mar. 26, 1921. Serial No. 455,973. 12 Claims. (Cl. 137—139.)



1. A system of the character described comprising a controlling element including a plurality of relatively movable cooperating parts, means for controlling move-

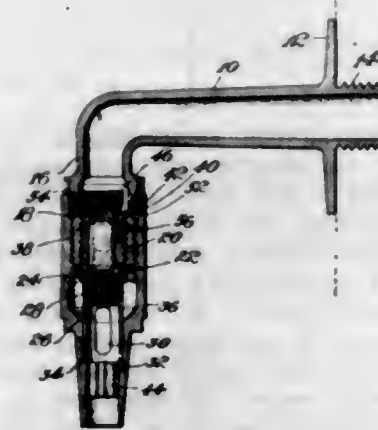
ment of said parts in response to variations in the system under control, means for preventing overthrowing or hunting of said parts comprising a plurality of slidably cooperating parts, and means for producing relative vibrations between said slidably cooperating parts of the overthrow preventing means to reduce friction therebetween.

1,512,805. AUTOMATIC REGULATOR. ERICH ROUČKA, East Orange, N. J. Filed Mar. 26, 1921. Serial No. 455,974. 11 Claims. (137—139.)



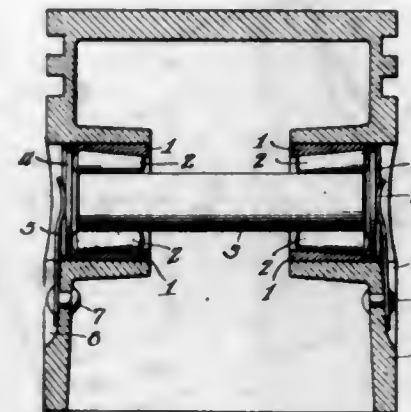
1. A system of the character described comprising a plurality of relatively movable slidably cooperating parts, means for controlling movement of said parts in response to variations in the system under control, and means for causing contact of a vibrating fluid with one of said parts to produce relative vibrations between said slidably cooperating parts in the direction and independently of the controlling movements of said parts.

1,512,806. FAUCET. LAMBERT SCHMIDT, Brooklyn, N. Y. Filed Dec. 31, 1921. Serial No. 526,248. 3 Claims. (Cl. 277—27.)



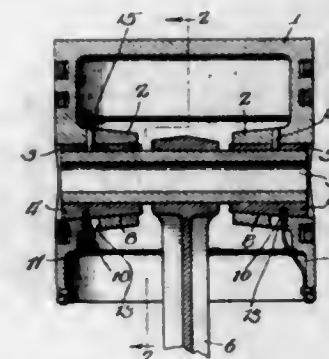
3. In a faucet, a tube, a sleeve member threaded into the end of the tube and having a flanged portion adapted to engage the end of the tube and provided with a valve seat, the valve co-acting with said seat, means for opening and closing said valve comprising a tubular member threaded exteriorly on the tube, and a valve element loosely supported on said valve and co-acting with the upper end of the sleeve member to automatically prevent the discharge of fluid from the faucet in case of accident to the valve.

1,512,807. SELF-ADJUSTING BEARING. MICHAEL B. SETTER, Chicago, Ill., assignor of one-half to Alexander W. Hilker, Chicago, Ill. Filed Nov. 19, 1921. Serial No. 516,444. 3 Claims. (Cl. 64—49.)



3. In an engine piston, the combination of an oscillatory wrist pin, and self tightening roller bearings to support the end portions of said wrist pin in the side walls of the piston, the rollers of said bearings being tapered and movable endwise in the direction of the taper thereof.

1,512,808. SELF-ADJUSTING BEARING. MICHAEL B. SETTER, Chicago, Ill., assignor of one-half to Alexander W. Hilker, Chicago, Ill. Filed July 1, 1922. Serial No. 572,183. 7 Claims. (Cl. 74—108.)

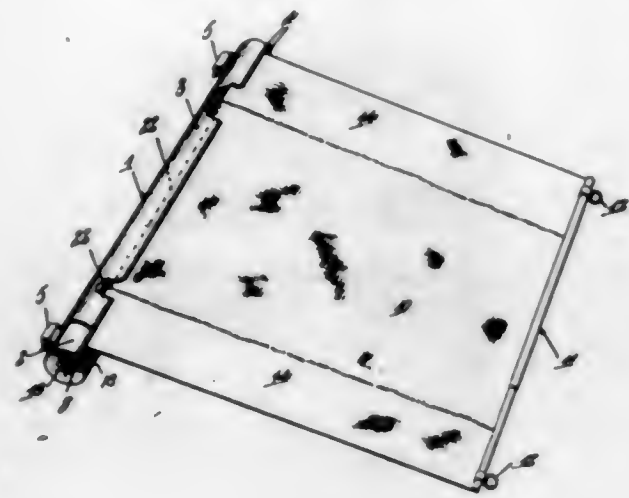


1. In an internal combustion engine piston, the combination of split bearings therefor, a transverse member working in said bearings, each bearing having a thrust side and a non-thrust side, substantially as described, tightening means enclosed within the piston for axial displacement against said member at the non-thrust side only of said bearings, adapted to take up wear therein, and automatic means to control said tightening means while the piston is in motion, said tightening means being integral with and serving to prevent the axially movable bearing elements which engage said transverse member from turning or oscillating therewith, whereby one-half of each bearing is held against axial displacement in one direction, by said automatic means, but is subject to such displacement in the other direction to take up wear.

1,512,809. SCOOP APRON. REUBEN L. SKINNER, Culison, Kans. Filed Jan. 23, 1924. Serial No. 687,998. 3 Claims. (Cl. 193—2.)

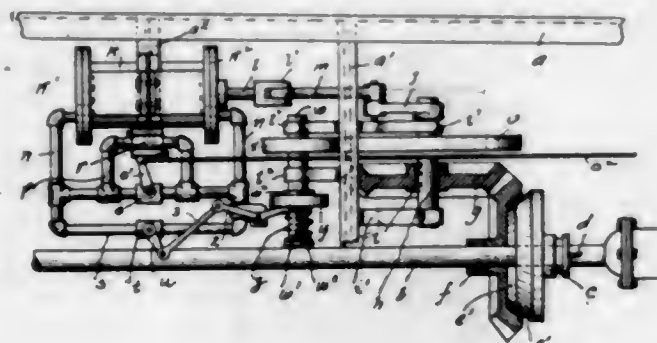
1. A scoop apron comprising a casing having a longitudinal slot therein, a spring roller mounted to turn in said casing, an apron carried by said roller and operable

through the slot in the casing, a cam on said roller end, a spring pressed catch carried by said casing and



located in the path of said cam, said catch projecting through the casing and having a finger grip for operating it to engage the cam and lock the roller against turning.

1,512,810. SKIDLESS BRAKE FOR AUTOMOBILES. CHARLES A. SLOPER, Rainier, Oreg. Filed Oct. 20, 1923. Serial No. 669,763. 4 Claims. (Cl. 188—91.)

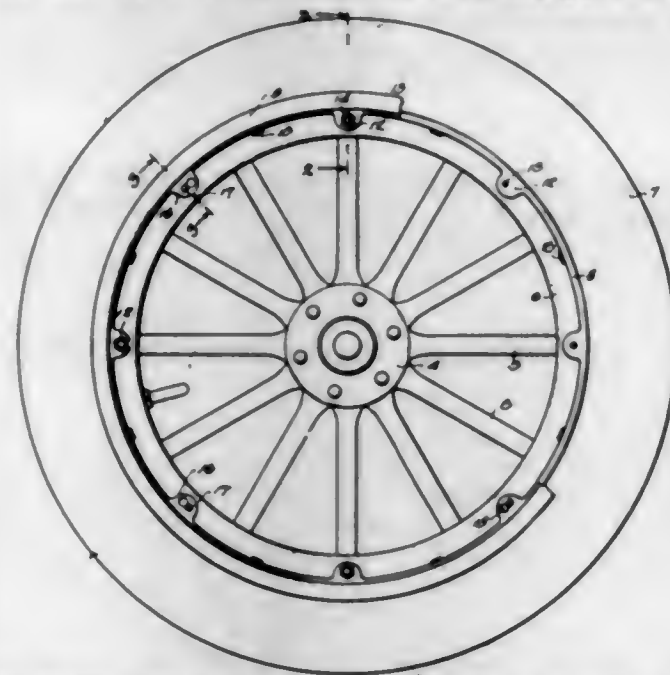


1. In the vehicle, the combination with a propelling shaft of a circulating pump, a pipe connecting the inlet and outlet sides of said pump, a valve in said pipe, means for opening and closing said valve, connections between said propelling shaft and said pump whereby the rotation of said shaft causes the operation of said pump and the closing of said valve prevents said pump from operating, a by-pass around said valve, controlled by an automatic valve, normally held closed, which is adapted to be opened by the presence of a predetermined pressure in the pipe.

1,512,811. DEMOUNTABLE WHEEL RIM. FREDERICK J. SPITTLER, Long Island City, N. Y. Filed Sept. 15, 1923. Serial No. 662,982. 1 Claim. (Cl. 301—35.)

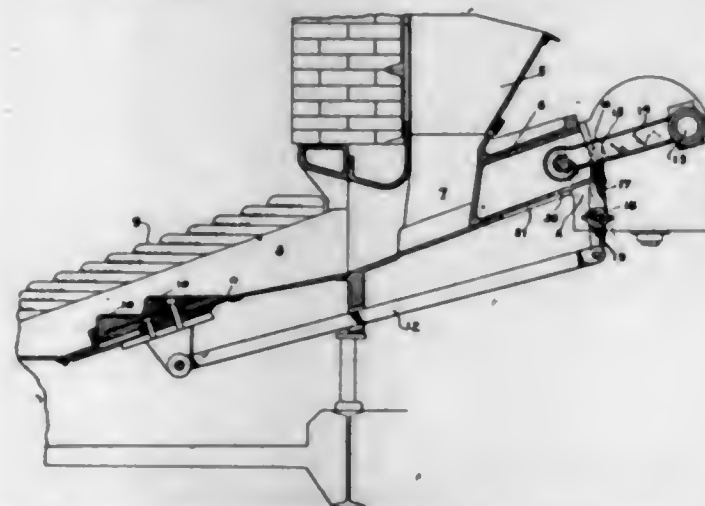
In a demountable rim, inner and outer sections each having tire retaining flanges, said sections also having lugs provided with registering openings for receiving fastening means for securing the rim upon a wheel, other co-operating lugs formed upon said sections and interspersed between the first named lugs, certain of said other lugs having keyhole slots therein, studs carried by the other lugs co-operating with the last named lugs and engageable in said key-hole slots to prevent detach-

ment of said sections said key-hole slots permitting of relative rotary movement between said sections whereby one may be detached from operative engagement with



the other, and retaining lugs extending laterally from the outer edge of said inner section and engageable with the inner periphery of the outer section.

1,512,812. STOKER MECHANISM. OTTO ARAM, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1920. Serial No. 396,359. 4 Claims. (Cl. 110—44.)

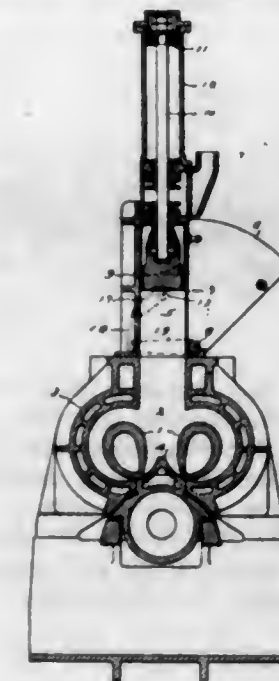


3. Stoker mechanism comprising a fuel feeding element, a fuel ram mounted for reciprocation in said fuel feeding element, a fuel agitating member, a rotary crank shaft, a connecting rod pivotally connected to the ram and crank shaft whereby rotary movement of the crank shaft imparts reciprocatory movement to the said ram, a rocking lever pivoted for oscillatory movement and having one end in vertically sliding operative engagement with the connecting rod whereby vertical movement of the rod with respect to the lever is permitted and whereby oscillatory motion is imparted to the lever when the crank shaft is rotated, and means connecting the other end of the said lever with the said fuel agitating means.

1,512,813. SAFETY MECHANISM FOR RUBBER-MIXING MACHINES. FERNLEY H. BANBURY, Ansonia, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation of Connecticut. Filed Feb. 14, 1924. Serial No. 692,687. 4 Claims. (Cl. 18—2.)

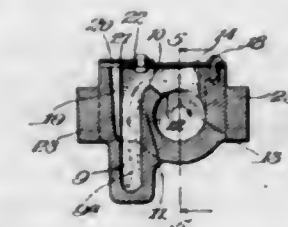
1. In a machine of the character set forth for treating plastic material, a door adapted to be opened to permit the feeding of material into the machine, a weight

adapted to float upon the material being treated, means for lifting the weight, means for locking the weight in its elevated position, and mechanism connecting said



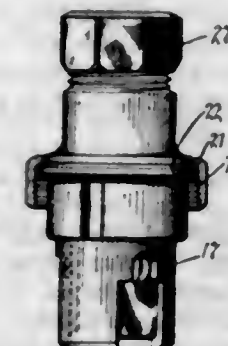
locking means with the door whereby said means is caused to positively lock the weight in its raised position when the door is open and unlock the weight so that it may be lowered when the door is closed.

1,512,814. JOURNAL BEARING. HARRY H. BARBER, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a Corporation of Illinois. Filed Apr. 30, 1920. Serial No. 377,789. 2 Claims. (Cl. 64—24.)



1. In combination with a journal bearing having its upper side cut away to expose the shaft journal and an oil well formed integral therewith at one side; a wick leading from the oil well and overlying the exposed portion of the journal, and a closure removably secured and dimensioned to cover the oil well and said exposed portion of the journal.

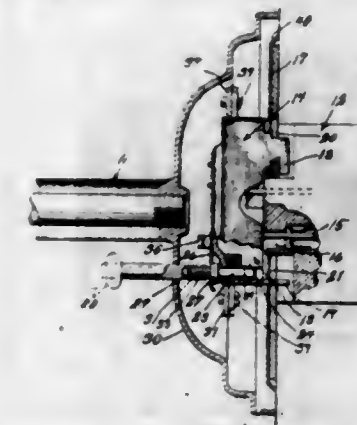
1,512,815. ELECTRICAL RECEPTACLE AND PLUG. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 8, 1920. Serial No. 415,489. 7 Claims. (Cl. 173—330.)



4. A plug-in device provided with a plurality of longitudinally extending ribs, said ribs being enlarged at their outer extremities, and a contact plate extending between and embedded in the enlarged portions.

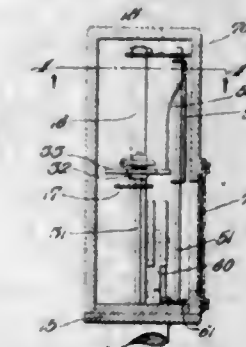
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1,512,816. ELECTRICAL FIXTURE-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1921. Serial No. 482,473. Renewed Apr. 4, 1924. 4 Claims. (Cl. 173—230.)



2. The combination with a fixture and a receptacle, of means for electrically and mechanically connecting said fixture with respect to said receptacle comprising a bracket and a plug-in device slidably mounted thereon, said bracket being provided with means whereby it may be connected with respect to said receptacle by movement toward said receptacle and laterally with respect thereto, means acting between said bracket and plug for retaining said bracket in connected position, and means for preventing the release of said retaining means by an unauthorized person, said means for retaining comprising a pin slidably mounted on the bracket and engaging the plug-in device.

1,512,817. OVERLOAD-INDICATING APPARATUS FOR TRANSFORMERS. DAVID S. BOYDEN, Allston, Mass. Filed June 16, 1921. Serial No. 478,205. 8 Claims. (Cl. 116—114.)



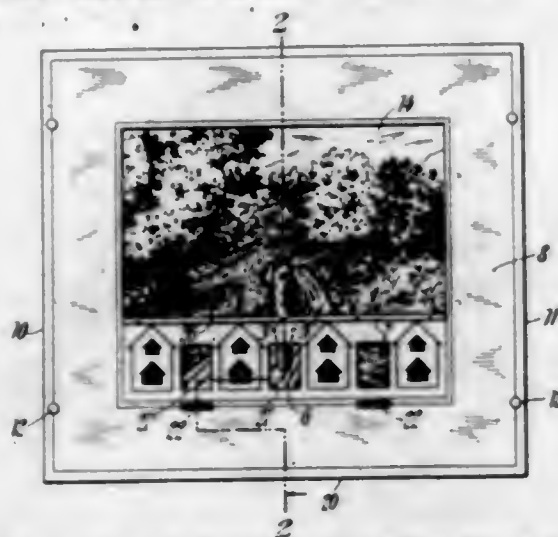
6. Overload indicating apparatus for transformers having, in combination, a heat sensitive element, a semaphore, and connections between the heat sensitive element and the semaphore to normally hold the semaphore in non-indicating position constructed and arranged to permit the semaphore to move by a step-by-step movement for indicating a plurality of different overload conditions to which the transformer may be subjected having provision for retaining it in such position.

1,512,818. PACKING SETTER. WAYNE E. BUMPUS, Charleston, W. Va. Filed Dec. 26, 1923. Serial No. 682,765. 2 Claims. (Cl. 81—3.)



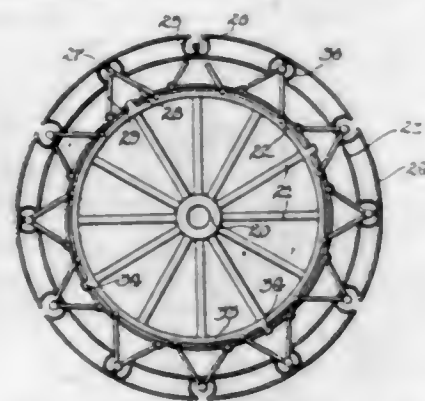
1. A tool of the class described comprising a split ring constituting a head, and an elongated loop having its free ends connected to the respective sections of the head, the intermediate or crown portion of the loop being offset to straddle an object engaged by the head.

1,512,819. GAME. EDGAR M. CLARK, Brooklyn, N. Y., assignor to A. S. Ferguson Company, New York, N. Y., a Corporation of New York. Filed May 9, 1924. Serial No. 711,966. 9 Claims. (Cl. 124-15.)



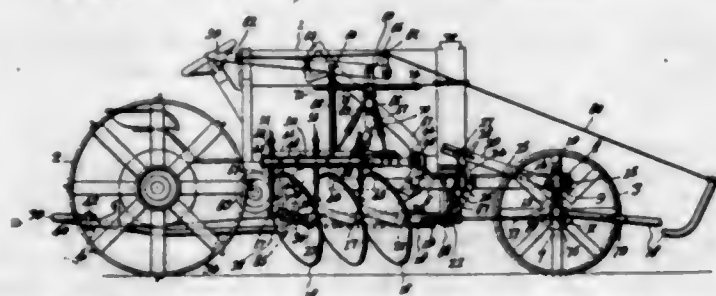
1. In a device of the character described the combination of a front wall, a back wall, said back wall being of greater width than said front wall, means for removably securing together the lateral edges respectively of said walls whereby said back wall is bowed away from said front wall, and an opening through said front wall the lower edge of which is adapted for releasably supporting one or more images.

1,512,820. RESILIENT WHEEL. FRANCIS B. CRITCHLOW, Salt Lake City, Utah. Filed Nov. 17, 1920. Serial No. 424,581. 20 Claims. (Cl. 152-29.)



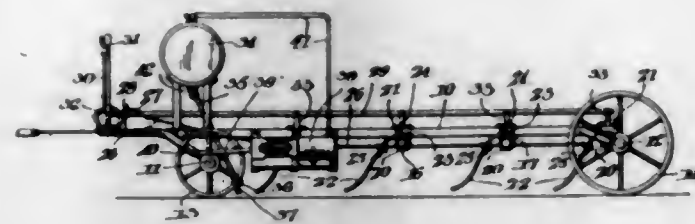
17. In a wheel, the combination of a hub portion, a rim adapted to expand and contract in a variable circumference to cushion shock imparted thereto, and a plurality of pivotally connected members for supporting said rim, said members being disposed for pivotal motion in the vertical plane of said wheel.

1,512,821. MOTOR PLOW. JOSEPH E. CURTIS, Waco, Tex. Filed June 23, 1923. Serial No. 647,299. 7 Claims. (Cl. 97-47.)



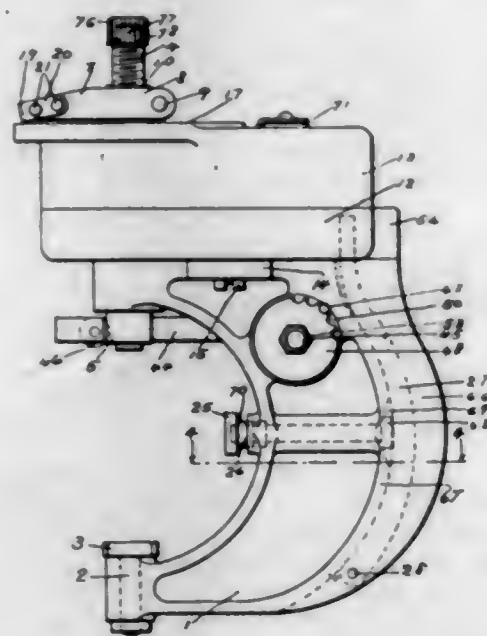
2. In combination, a tractor, a shaft carried at the side of said tractor, plows pivotally carried by said shaft, an upper plow frame pivotally supported above said shaft, means for yieldably connecting said plows and said upper plow frame, and means for moving bodily up and down said plows and said upper plow frame.

1,512,822. MACHINE FOR BURNING WEEDS AND THE LIKE. RUDOLF DAERING, Gros Ventre, Alberta, Canada. Filed Oct. 25, 1922. Serial No. 596,805. 2 Claims. (Cl. 43-144.)



2. A machine of the character described comprising a frame, a plurality of pivotally mounted raking members arranged in staggered relationship to one another on said frame, burner means for said members including a transversely extending apertured pipe, fuel tank means for the burner means and means for supplying pressure to the fuel tank comprising an air pump adapted to be operated by the wheels of the machine.

1,512,823. MICROMETER CALIPER. PHILIP J. DARLINGTON, Boston, Mass. Filed May 4, 1922. Serial No. 558,516. 20 Claims. (Cl. 33-105.)

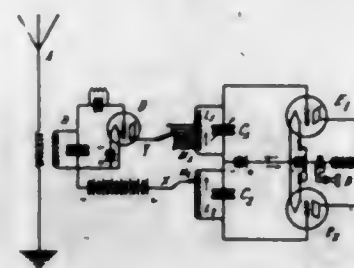


1. In a micrometer-caliper the combination of a frame, an anvil mounted on the frame, a graduated dial carried by said frame, a rotatable micrometer member adjustably supported by the frame opposite the anvil, spring mechanism adapted to transmit a closing movement to the micrometer member, means adapted to retain the micrometer member in any position with the spring mechanism under tension, a trigger mechanism adapted to release said retaining mechanism, an index arm carried by and rotatable with the micrometer member, and an index scale detachably fastened to said arm and movable adjacent to the dial.

1,512,824. WIRELESS TELEGRAPH AND TELEPHONE RECEIVER. HENRI JEAN JOSEPH MARIE DE REGNAULD DE BELLESCIZE, Paris, France. Filed Aug. 29, 1921. Serial No. 496,534. 4 Claims. (Cl. 250-20.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

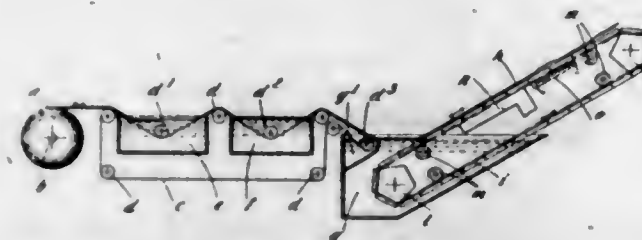
1. In a wireless telegraph receiver, a detector, means for impressing signals having tone characteristics on said detector, a pair of circuits tuned to slightly differ-

ent tone frequencies and provided with means to prevent interchange of energy therebetween, a circuit connected between the detector and said pair of circuits,



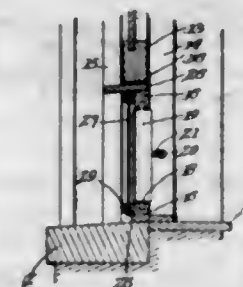
said circuit being coupled to each of the tone frequency circuits and an indicator connected to both tone frequency circuits with their effects in opposition thereon.

1,512,825. MANUFACTURE OF GOLD LEAF. FRIEDRICH DEMEL, Twickenham, England, assignor of one-half to Richard Tindall Leighton, Hove, Sussex, England. Filed Oct. 29, 1923. Serial No. 671,551. 9 Claims. (Cl. 204-6.)



1. An electrolytic manufacture of gold leaf which consists in depositing gold electrolytically on one face of a band of base metal, dissolving the base metal by means of an acid, washing the remaining gold film by bringing it into contact with water, and displacing water from the film by bringing the film into contact with a volatile solvent for water.

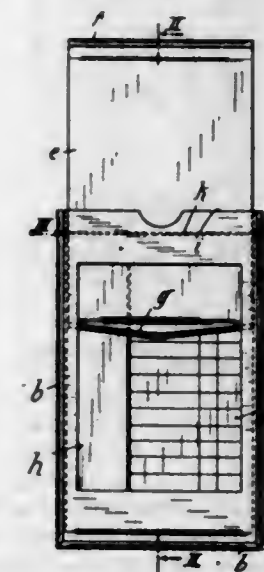
1,512,826. VENTILATOR. THEODORE S. DENESHA, New Bedford, Mass. Filed Jan. 7, 1924. Serial No. 684,830. 1 Claim. (Cl. 98-31.)



A combined ventilator and screen adapted to fit beneath a raised window sash having vertical guides, comprising a rectangular frame, slats pivotally mounted on vertical axes within said frame, a securing strip positioned on one side of said frame and serving to secure the margin of a screen on the latter, said frame being adapted to be positioned between the sash guides at each side of the sash, an edge binding on said frame of substantially greater width than said frame and including a top piece having end portions adapted to extend between said sash guides, said top piece having one edge flush with the inner surface of the frame and on the other side of the latter extending outwardly over said screen and strip,

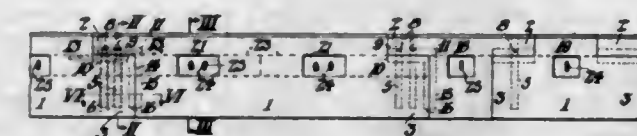
the ends of said top piece on the last mentioned side of the frame having notches serving to receive the outer sash guides, and a sealing flange on said top piece extending upwardly and adapted to overlap the sash when the latter rests upon the said top piece.

1,512,827. WRITING AND DRAWING DEVICE. HERMANN DEUTSCH, Berlin-Lichterfelde, Germany. Filed July 28, 1923. Serial No. 654,387. 9 Claims. (Cl. 35-10.)



1. The combination with a writing and drawing pad comprising a base coated on one face with a plastic substance and a tissue sheet superposed on said coating, the base with its coating and the tissue sheet differing in color, said sheet being adapted upon impingement to adhere to said plastic substance along the lines of impingement, of a receptacle for said pad, the writing and drawing surfaces of said pad being visible when the latter is in said receptacle, and a strip interposed between said base and said sheet and attached to opposite edges of said receptacle, said pad being reciprocable in said receptacle transversely to said strip.

1,512,828. CONCRETE CURB CONSTRUCTION. HARRY EDGAR DILLON, Philadelphia, Pa. Filed Aug. 21, 1919. Serial No. 318,885. Renewed Mar. 22, 1924. 12 Claims. (Cl. 94-31.)

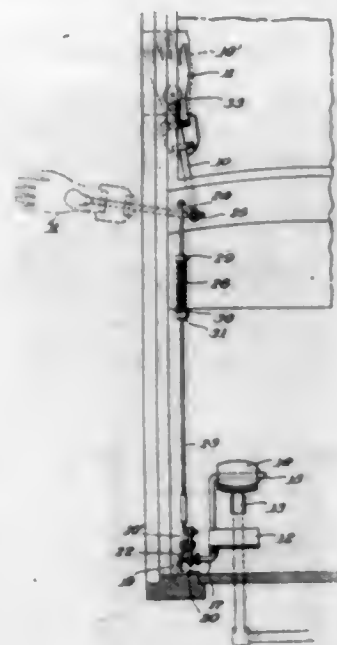


10. In a curb structure, the combination with two nonmetallic bodies in overlapped relation, each having a recess complementary to a recess in the other body and in registry therewith, forming a cavity between said bodies; one of said bodies having a socket leading from its exterior to said cavity; and a cementing medium extending through said socket into said cavity; whereby said bodies are interlocked.

1,512,829. SIGNAL ATTACHMENT FOR AUTOMOBILES. JAMES L. DROHEN, Washington, D. C. Filed Sept. 12, 1923. Serial No. 662,327. 3 Claims. (Cl. 74-81.)

1. The combination with an automobile signal and a control pedal, of means for operating said signal and

including a pedal shank suspended from said control pedal, and an auxiliary pedal carried by said shank and



arranged beneath and in parallelism with the control pedal to be operated by the heel simultaneously with or independently of the operation of the control pedal.

1,512,830. FIRE EXTINGUISHER. THEODORE M. DUNLAP, Chicago, Ill., assignor, by mesne assignments, to The Fyr-Fyter Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 18, 1916. Serial No. 137,560. 24 Claims. (Cl. 290-98.)

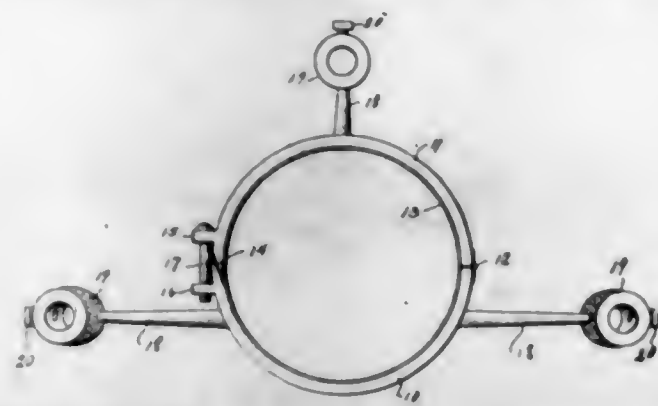


1. In a device of the character described, the combination with a liquid container, of an air pump within the container having an operating rod extending to the exterior of the container and provided with a handle, a valve casing within the container, oppositely extending flexible intake tubes connected with said casing, said tubes having intake mouths at the free ends thereof, one of the latter being always adapted to be automatically positioned at the lowermost unobstructed point in the container, and a discharge pipe in communication with said casing, the liquid being forced through said intake tubes into the casing and through the discharge pipe by air pressure created by said pump.

1,512,831. FLAG-SUPPORTING DEVICE FOR MOTOMETERS. WILLIAM DUNNELL and SAMUEL DUNNELL, Detroit, Mich. Filed Dec. 8, 1923. Serial No. 679,438. 1 Claim. (Cl. 248-37.)

An emblem supporting device for motometers comprising a ring adapted to embrace the motometer and formed in two rigid sections, the sections being hinged to each other and lined with soft material, the free ends of the sections having outstanding lugs, one of said lugs being interiorly screw-threaded, a screw passing through the two lugs and having screw-threads engaging the interiorly screw-threaded lug, one of said sections having

an upstanding arm projecting outward from the sections midway between the extremities thereof and carrying at its extremity an angularly disposed socket and the other



section having opposed outstanding arms having inclined sockets at their ends, each of said sockets being open at its opposite ends and having a set screw whereby the emblem may be engaged in the socket.

1,512,832. NUT LOCK. CHARLES E. DYER, Alma, Ark. Filed Dec. 15, 1922. Serial No. 607,091. Renewed June 18, 1924. 1 Claim. (Cl. 151-15.)



A nut lock comprising a locking ring or washer and a lock nut screwing on the threaded end of the bolt against the outer face of the former, said locking ring or washer formed on its inner edge or face with a continuous series of inwardly inclined teeth or surfaces whose outer ends engage the outer face of the nut and formed on its outer face with an outwardly projecting lip having a straight inner edge adapted to engage one edge of the lock nut.

1,512,833. CHAIN CLASP. GEORGE F. ECKART, Norwood, Ohio, assignor of seventy per cent to David B. Strickling, Cincinnati, Ohio. Filed Oct. 14, 1922. Serial No. 594,435. 3 Claims. (Cl. 24-241.)

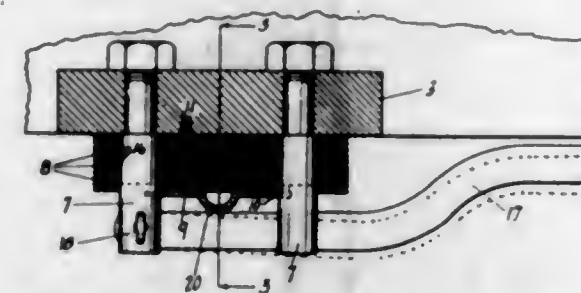


1. In a clasp, a link having an eye in each end, a compressible coil spring thereon, a hook pivoted in one of said eyes and adapted to be retained in closed position by said coil spring when said spring is expanded and adapted to be opened from said closed position when said spring is compressed.

1,512,834. ADJUSTABLE CHAIR. SCHUYLER C. EDDY, Kalamazoo, Mich., assignor, by mesne assignments, to Royal Easy Chair Corporation, Sturgis, Mich. Filed Feb. 13, 1922. Serial No. 536,079. 11 Claims. (Cl. 155-161.)

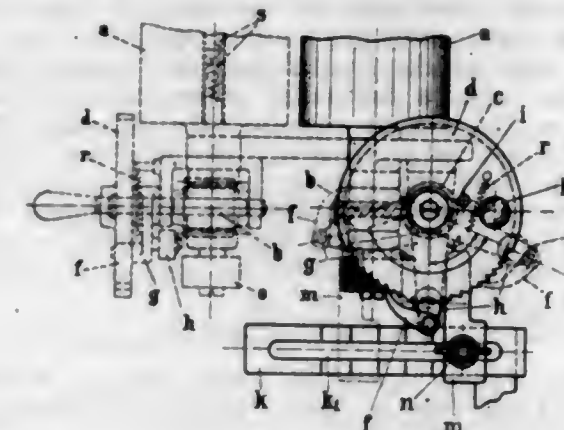
1. In a chair, the combination of a frame having a longitudinally slotted bar disposed from front to rear thereof; a back hinged to said frame and provided with an arm projecting below said bar, a pair of spaced downwardly projecting slotted posts on said bar, a plurality of relatively fixed clutch plates loosely mounted on said

posts, a plurality of sliding clutch plates interposed with said relatively fixed clutch plates, a link connecting the lower end of said arm to said sliding clutch plates, said link being provided with an upturned end loosely engaging said sliding clutch plates and slidably supported in said slot in said bar, a thrust plate disposed between



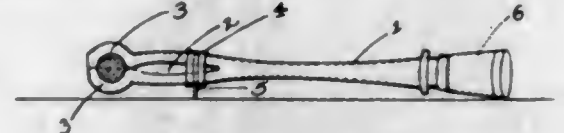
and notched to engage said posts, a lever pivoted in the slot of one of said posts and engaged in the slot of the other, said thrust plate having a central offset engaged by said lever, a clutch actuating spring connected to the outer end of said lever, and a releasing push rod connected at the outer end of said lever.

1,512,835. PLATEN SETTER. ARNOLD AUGUST EGLI, Bern, Switzerland, assignor to Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Filed Jan. 13, 1923. Serial No. 612,869. 14 Claims. (Cl. 101-287.)



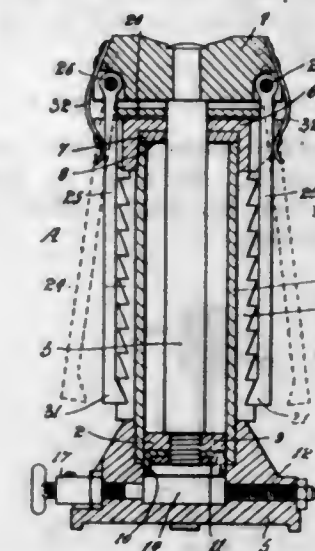
1. In a printing machine, types, a platen, a platen rocker for moving the platen onto the types, a paper feeding device, a ratchet wheel associated with the paper feeding device, a pawl for rotating the ratchet wheel, movement reducing means interposed between the ratchet wheel and the paper feeding device, and a stop against which the said pawl abuts.

1,512,836. CIGARETTE HOLDER. EDWARD EKSERGIAN, St. Louis, Mo. Filed Apr. 22, 1921. Serial No. 463,693. 3 Claims. (Cl. 131-51.)



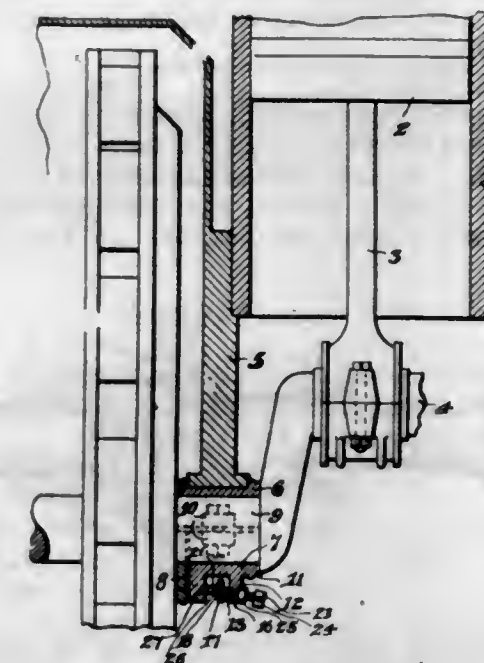
3. In a cigarette holder, a longitudinal handle weighted at one end and split for a substantial distance from its opposite end with the split portions terminating in a pair of cigarette holding jaws and, behind said jaws, being of greater dimension in one direction through the handle than in the transverse direction; an elongated clamping ring encircling the split portion and slidable thereon, and exterior projections on said ring extending in a direction at right angles to the gripping faces of the cigarette holding jaws whereby a cigarette held by the latter is raised from and held parallel with a surface upon which the holder is laid.

1,512,837. PNEUMATIC JACK. JAMES CHARLES EVENDEN, Brooklyn, Wellington, New Zealand. Filed Aug. 9, 1922. Serial No. 580,739. 3 Claims. (Cl. 138-9.)



1. In a pneumatic jack having a plunger working in a cylinder and a plunger rod having a head for engaging the load, rack members and pawl members, certain of said members being fixed to the cylinder and the other being movably connected to said head, whereby the teeth of said members will move relatively to one another as the head moves away from the cylinder, resilient means for forcing the teeth of certain of said members toward the teeth of the other members for locking the plunger rod against reverse movement as the head moves away from the cylinder, and a cam plate pivoted on said cylinder and engaging the movably mounted members to permit the teeth of the members to be separated when it is desired to move the head toward the cylinder.

1,512,838. TAKE-UP DEVICE. WILLIAM FISCHER, Elyria, Nebr. Filed Aug. 7, 1923. Serial No. 656,225. 3 Claims. (Cl. 64-55.)



1. In a take-up device, the combination with the lower bearing section of a shaft bearing, said section having its periphery formed with a pocket and said section further having a pair of lengthwise extending channels opening into said pocket and at the rear end of said section, and with a threaded bore opening into said pocket and at the forward end of said section, of a combined take-up and bearing element arranged at the rear end of said section and capable of being shifted rearwardly and forwardly with respect thereto, a thrust plate arranged within said

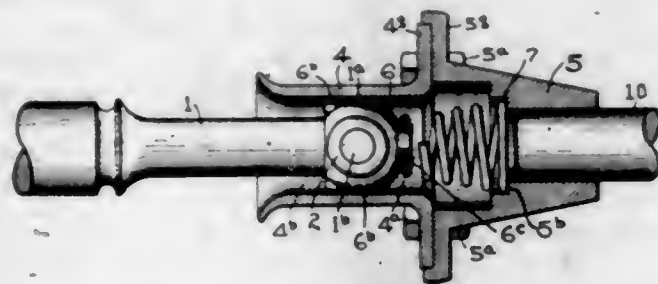
pocket, a pair of thrust rods slidably mounted in said channels and connected at one end to said element and at their rear end to the thrust plate, and adjustable means engaging with said bore and connected with said plate for shifting the latter to provide for the adjustment of said element.

1,512,839. COMBINED TORCH AND DEVICE FOR OPENING OIL CUPS. WILLIAM H. FISHER, Louisville, Ky. Filed Feb. 23, 1923. Serial No. 620,834. 1 Claim. (Cl. 67-55.)



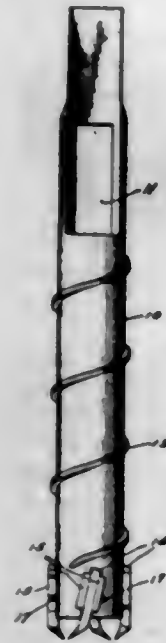
A combined torch and implement for opening oil cups comprising in combination, a reservoir of slender frusto-conical form open at its smaller end, a relatively heavy bushing secured in the open end, a relatively heavy thimble adapted to fit in said bushing, a pair of rigid arms extending laterally from the thimble and adapted to be used for opening oil cups, a fuel tube secured to the thimble, and a wick on the end of the fuel tube.

1,512,840. COMBINED GUIDE AND PROTECTOR FOR USE IN UNIVERSAL JOINTS. JOHN B. FLICK, Detroit, Mich. Original application filed Nov. 9, 1921. Serial No. 513,957. Divided and this application filed Sept. 9, 1922. Serial No. 587,153. 15 Claims. (Cl. 64-103.)



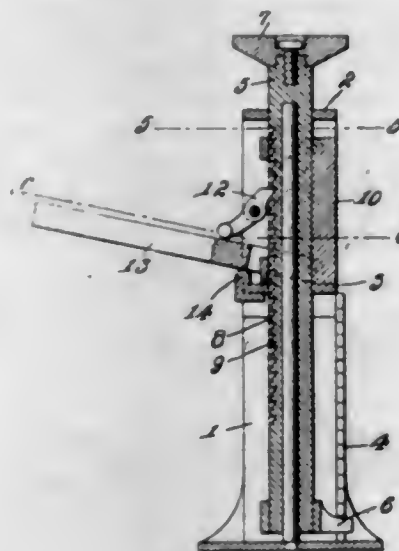
15. A universal joint comprising a casing having an axial bore and diametrically opposite slots opening into the bore; a shaft entering the member and having a ball head on its inner end engaging said bore and members mounted on the ball head and respectively entered in said slots, with a drawn metal cup-shaped member fitted to the inner end of the ball head and having parallel leg portions at opposite sides of the ball head engaging the walls of the bore of the casing at opposite sides of the head, and also having an opening in its inner end surrounded by a flange; and a spring in the casing engaging said flange to force the shell against the head.

1,512,841. COAL DRILL. JOSEPH R. GAMBLE, Belleville, Ill., assignor of one-half to William F. Greiner, Belleville, Ill. Filed Nov. 29, 1921. Serial No. 518,623. 1 Claim. (Cl. 255-72.)



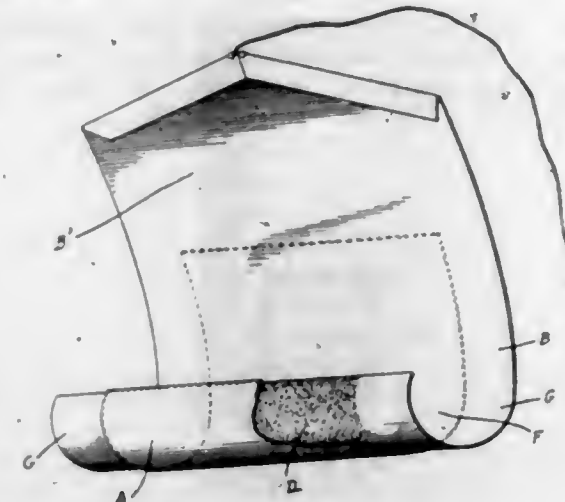
In a coal drill, an elongated tubular body formed near one end with spaced pairs of ribs inclined slightly with respect to the longitudinal axis of the body, the confronting faces of the ribs of each pair being inclined whereby to define a dove-tailed groove, bits dove-tailed in cross section slidably engaged between said pairs of ribs, and means for securing said bits in slidably adjusted position, said bits having cutting points projecting beyond the adjacent end of the body and deflected laterally and inwardly toward the axis of the body, the points being in line with the wall of the bore of the tubular body.

1,512,842. JACK. CHARLES HENRY GIVENS, Modesto, Calif. Filed July 6, 1923. Serial No. 649,913. 3 Claims. (Cl. 254-114.)



3. A jack of the class described comprising a frame, including an upper and lower platform having openings therein, a rack bar on the lower part of the frame, a rod passing through the openings in the platform, a foot on the lower end of the rod for engaging the rack bar, a slide on the rod and arranged between the two platforms, a rack on the bar, a catch on the slide for engaging the rack bar, a hand lever pivoted to the slide and having a part adapted to engage the catch and a fulcrum for the hand lever on the lower platform.

1,512,843. MAILING WRAPPER. HERMAN L. GREVE, Brooklyn, N. Y., assignor to The International Mailing Tube & Wrapper Company, Brooklyn, N. Y. Filed Mar. 18, 1922. Serial No. 544,820. 5 Claims. (Cl. 225-52.)



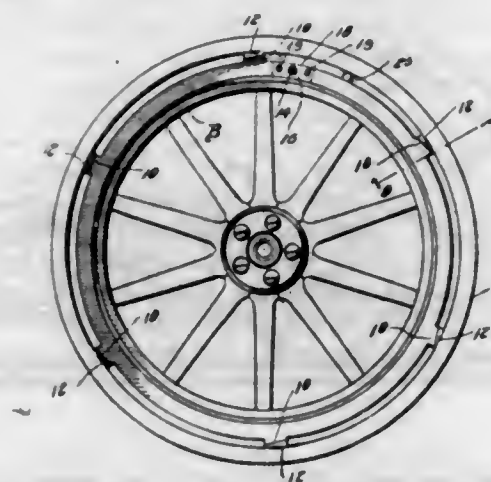
1. A mailing wrapper comprising an outer casing of curved form adapted to be rolled into cylindrical form and an inner sheet secured thereto having a water resisting component the relative sizes of said sheets being such that said inner sheet is adapted to be rolled over the outer surface of said casing.

1,512,844. MATERIAL SHOVELING, TRANSPORTING, AND TRUCKING MACHINE. PAUL GROSHK, Glen Massey, Ngaruawahia, Auckland, New Zealand. Filed Nov. 23, 1922. Serial No. 602,871. 20 Claims. (Cl. 198-10.)



1. A machine of the character described comprising a truck, a shovel projecting therefrom including a stationary frame adapted to be arranged parallel with and on the ground, material shifting blades in the frame, an elevator, an extensible conveyor, and means for synchronously operating the blades, elevator and conveyor.

1,512,845. RIM AND FELY CONNECTION. ALVA S. GROVES and LESTER P. GROVES, Reedsville, W. Va. Filed Mar. 1, 1923. Serial No. 622,074. 1 Claim. (Cl. 301-17.)



A demountable rim member and felly member connection having securing means interengageable by circumferential movement with respect to the other member, a crank having an operating shaft journaled on one of

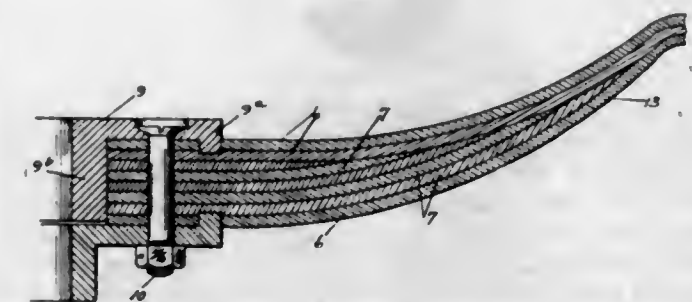
the members, a link pivoted to said crank, a sleeve screw threaded on said link, said sleeve having flanges, the last mentioned member having a recess accommodating said crank, link and sleeve, a spring on the last member overlapping the crank normally maintaining the crank and link in alignment, the other member having a fork to engage said sleeve intermediate said flanges, and said shaft being operable to impart said circumferential movement.

1,512,846. WRENCH. FRANK O. GUMPRECHT, Helena, Mont. Filed Apr. 17, 1922. Serial No. 553,679. 2 Claims. (Cl. 81-165.)



1. In a wrench having a movable jaw, a rotatable worm journaled in the wrench for actuating the movable jaw, a sliding locking member having its tooth engaging end arcuated, extending diagonally to the worm and spring means engaging the other end of the locking member and adapted to force said locking member in automatic engagement with said worm to prevent rotation thereof.

1,512,847. STEERING WHEEL. JOHN H. HAMMES, Detroit, Mich., assignor to Sewell Cushlon Wheel Company, Detroit, Mich., a Corporation of Delaware. Filed Apr. 21, 1923. Serial No. 633,570. Renewed Sept. 15, 1924. 6 Claims. (Cl. 74-33.)

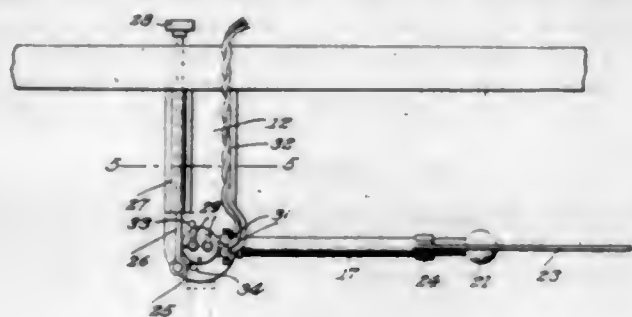


1. A steering wheel having a spider formed of upper and lower layers of nonmetallic material separated by a plurality of reinforcing layers of lesser areas.

1,512,848. AUTOMOBILE SIGNAL. ERNEST HEER, Dubuque, Iowa. Filed Apr. 18, 1922. Serial No. 554,380. 2 Claims. (Cl. 116-46.)

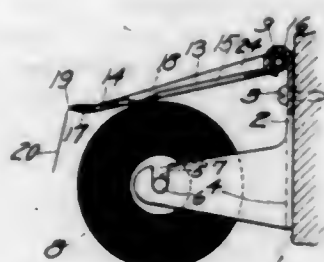
1. An automobile signal of the character described comprising a substantially L-shaped supporting bracket having its vertical leg slotted and the horizontal leg apertured respectively, means provided for securing said vertical leg through said slot to the vehicle, an elongated semi-circular casing secured to the upper side of horizontal leg of said bracket, an L-shaped signal arm having its inner end flanged and threaded for insertion through the aperture in the horizontal leg of said bracket, a cap threaded to said end on the upper side of said bracket whereby a horizontal swinging movement is obtained, an arm radially extending from said cap and being substantially apertured, a rod extending through said semi-

circular casing and connecting to the apertured end of said radially extending arm for the operation of the same, a signal secured to the outer end of said L-shaped



signal arm whereby lateral movement of the operating rod will move the signal arm and signal to positions desired.

1,512,840. TOILET-PAPER-HOLDER ATTACHMENT. JOHN B. ISHAM, Hampden, Mass. Filed May 15, 1923. Serial No. 639,123. 3 Claims. (Cl. 211-32.)



1. As an improved article of manufacture, an attachment of the class described, comprising a frame having a transverse member adapted to rest on a paper roll, and a severing blade at the front end, for the paper from such roll, with an opening in said frame between said transverse member and said blade, for the passage of such paper to said blade, and pivotal attaching means for the rear end of said frame, the construction and arrangement of parts being such that the pull on the paper to sever the same on said blade causes said frame to rock downwardly on its pivot and said transverse member to bear on the roll and serve as a brake therefor.

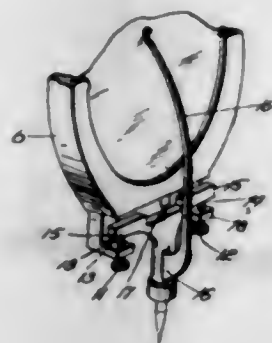
1,512,850. DIAPHRAGM FOR SOUND REPRODUCTION. FREDRICK ALFRED EDWARD JENKINS, Sydney, New South Wales, Australia. Filed Mar. 27, 1924. Serial No. 702,466. 2 Claims. (Cl. 181-32.)



2. In a diaphragm for sound reproduction, a membrane including several superposed water-proofed thin layers of wood, the grain of each layer being arranged at angles to the grain of the other layers and the grain of the layers being parallel to lines radiating at equal intervals from a common point, a metal ring of U-section gripping the peripheral edge portion of the membrane

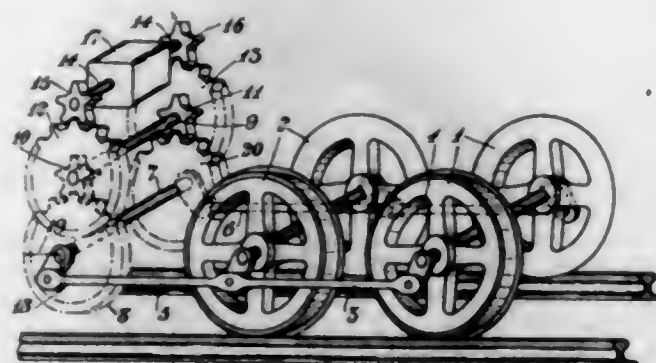
and holding it taut, and a resilient ring arranged around and entirely enclosing said metal ring, said resilient ring being formed of a solid composition of gelatine and glycerine.

1,512,851. STYLUS BAR FOR TALKING MACHINES. FREDRICK ALFRED EDWARD JENKINS, Sydney, New South Wales, Australia. Filed Mar. 27, 1924. Serial No. 702,467. 2 Claims. (Cl. 274-35.)



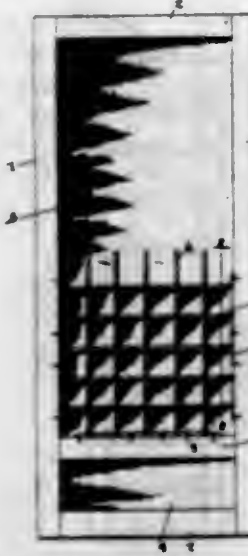
2. In a talking machine in combination, a sound box having a diaphragm, a stylus bar, spaced arms carried by the sound box and projecting laterally therefrom, the outer arms being arranged on opposite sides of the stylus bar and in the same plane, the other arm being positioned between the outer arms in a different but parallel plane, opposed arms on the stylus bar arranged adjacent the outer arms on the sound box, pins adjustably arranged between the outer arms and the arms on the stylus bar, another bearing member arranged in alignment with the longitudinal axis of the stylus and parallel with the axes of the pins and coacting with the stylus bar and the medial arm and acting in opposition to the pins whereby the arms of the stylus bar are permitted to oscillate freely and convey the vibrations imparted to the stylus, with a minimum resistance, to the diaphragm, and the points of engagement of the pins and bearing member being arranged in the same plane and in alignment with each other so that a line drawn through the points is parallel to the plane of the diaphragm of the sound box.

1,512,852. TURBINE-DRIVEN LOCOMOTIVE. FREDRIK LJUNGSTRÖM, Lidings-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Apr. 13, 1922. Serial No. 552,422. 2 Claims. (Cl. 105-121.)



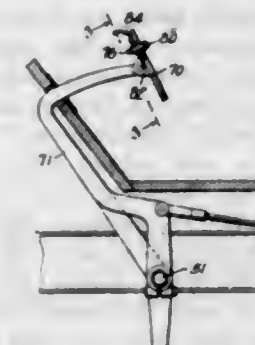
1. An arrangement in turbine-driven locomotives provided with toothed gearings to reduce the number of revolutions of the driving engine, characterized by the toothed rim of at least one intermediate wheel of the toothed gearing being resiliently connected with the shaft carrying the wheel.

1,512,853. SCREEN DOOR AND SCREEN GUARD THEREFOR. ALBERT O. LOWER, Coshocton, Ohio. Filed Sept. 12, 1923. Serial No. 662,295. 1 Claim. (Cl. 156-14.)



In a screen door guard, a lattice having interlocked vertically and horizontally arranged slats, a vertically positioned substantially elongated channel member upon each side of said lattice, the ends of said horizontal slats being positioned in the channel of the member, a horizontal substantially elongated channel member at the lower side of said lattice, the ends of said vertical slats being positioned in the channel of the horizontal member, and means engaging said channel whereby the lattice may be secured within the frame of a screen door for protection of the screen.

1,512,854. OPERATING MEANS FOR REAR-END VEHICLE SIGNALS. CHARLES F. MARSTON, Brooklyn, N. Y., assignor to Auto-Automatic Signal Co., Inc., a Corporation of New York. Filed July 29, 1920. Serial No. 399,664. 1 Claim. (Cl. 200-59.)

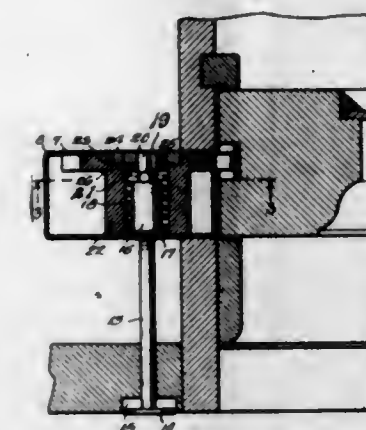


In a signal operating means, a base plate having a laterally extending stop formed at one end thereof, a foot plate pivoted to said base plate adjacent said end and having its opposite end spaced from said base plate, the end of said foot plate adjacent its pivot being engageable with said stop to limit the movement of the opposite end of said foot plate away from said base plate, a contact carried by said base plate and extending transversely with respect thereto and projecting into the space between said base and foot plates to a point adjacent the latter plate, and means interposed between said plates and serving to normally retain the foot plate out of engagement with said contact.

1,512,855. SASH FASTENER AND LOCK. PHILIP MAYOTTE, Escanaba, Mich. Filed Sept. 18, 1923. Serial No. 663,441. 2 Claims. (Cl. 292-279.)

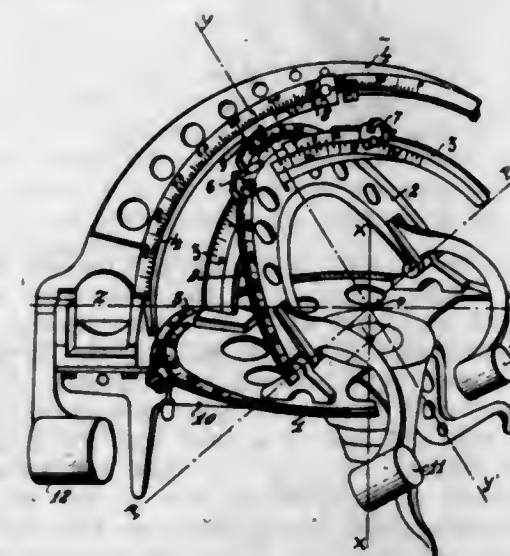
1. A window sash fastener and lock, comprising a rack adapted to be secured to a sash, a gear wheel meshing with said rack provided with a comparatively long hub formed with a bore extending almost entirely

therethrough and with a square aperture merging into said bore, a casing formed with a square aperture in line with the square aperture of the gear wheel, a manually actuated rod extending axially through said bore and through said apertures, said rod being squared to fit said square apertures, said rod having a connecting section adjacent the square part of a diameter not



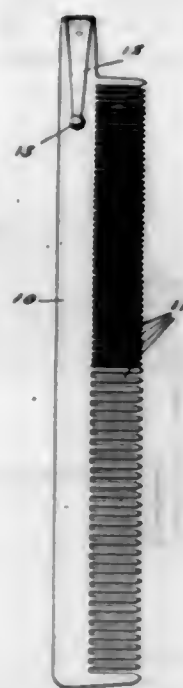
greater than the greatest diameter of the square part, and a spring acting on said manually actuated member for holding said square sections normally engaging the square apertures in the casing and gear wheel, said manually actuated member being adapted to be moved manually so that the connecting section will fit into the square aperture of the gear wheel whereby the gear wheel may rotate as the sash and rack are moved.

1,512,856. ASTRONOMIC NAUTICAL APPARATUS. FRANCESCO NUSCHAK, Trieste, Italy. Filed Aug. 2, 1922. Serial No. 579,255. 2 Claims. (Cl. 33-1.)



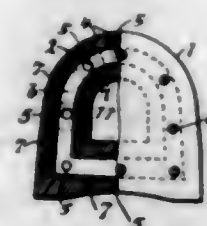
1. A device for determining the position of a point of observation or the line of position of the observer on the surface of the earth, comprising, four graduated arcs representing, respectively, the celestial meridian, the declination circle, the celestial equator, and a vertical circle, each of which arcs is constructed to be set by rotation on an axis, the arc representing the meridian and that representing the celestial equator, being rigidly connected together and rotatable about a vertical axis, a horizontal polar axis on the meridian arc, the arc representing the declination circle being rotatable about the horizontal polar axis, and the arc of the vertical circle being rotatable about a horizontal axis, these three axes intersecting in a common center point above the plane of the meridian arc.

1,512,857. COMB. STEVE OLIVER, Whipple Barracks, Ariz. Filed Mar. 25, 1922. Serial No. 346,697. 2 Claims. (Cl. 132-19.)



1. A pocket comb formed from a single piece of material and including a back, teeth extending from one edge of the back and a clip formed by extending the back and bending the extension formed upon itself.

1,512,858. BOOT AND SHOE HEEL. ALBERT E. PECKHAM, Grand Rapids, Mich. Filed Dec. 3, 1923. Serial No. 678,176. 2 Claims. (Cl. 36-35.)

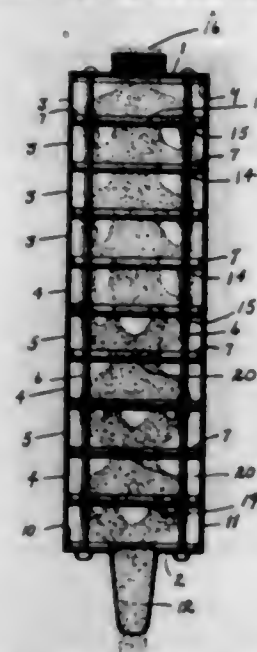


1. In combination with a rubber heel having a soft metal plate molded therein near the upper face of the heel, the sheet of rubber above said plate having large openings therethrough from said plate to the outer surface, forming partitions between said openings in such a manner that the driving of nails through the sheet metal plate into the lifts of a shoe heel will bend the metal plate through the said openings and press the partitions firmly against the surface of the lift thus holding the rubber heel firmly upon the lifts and preventing further advancement of the nail into the heel of the shoe.

1,512,859. MUFFLER. HERBERT S. POWELL, Utica, N. Y. Filed July 17, 1919. Serial No. 311,574. 1 Claim. (Cl. 137-160.)

In a muffler, a plurality of sections, annular shoulders made by the indentation of the lower edges of said sections to form seats for the upper edge of the next adjacent section, to form an air tight joint, end members having annular flanges for fitting said sections thereto, large central apertures made in the first four sections to permit the expansion of the gases, small peripheral and large central apertures in others, alternating with small concentric apertures in still others, and said sections so arranged that the large central apertures are uniform for the first four sections to allow for the ex-

pansion and for the alternate contraction and expansion through the others, whereby the gases will take a tortuous course, headed stay rods bolted at one end for holding the sections together and said stay rods adapted



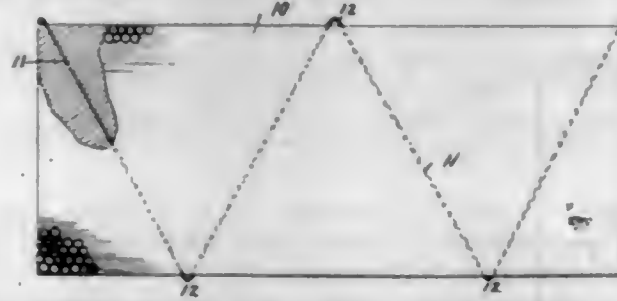
to project through certain of said peripheral apertures that alternate between close and loose fitting to said stay rods.

1,512,860. VAPORIZER. KARL RHEIM, Bissendorf, Germany, assignor to Crude Oil Vaporizer Company, Inc., a Corporation of New York. Filed Nov. 2, 1923. Serial No. 672,447. 3 Claims. (Cl. 48-107.)



1. A vaporizer comprising an outer cylindrical member, an inner cylindrical member, said members being concentrically spaced to form an exhaust gas passage, an annular head engaging the inner member and formed with a central threaded opening, and an inner exhaust tube concentric with and spaced from the inner member to form a vaporizing chamber, said inner exhaust tube having a threaded end to engage the threaded opening in the head and provided at the opposite end with a sealing block to removably engage the adjacent end of the inner member to seal the vaporizing chamber, and a semispherical dome removably secured to the outer member and spaced from and overlying the end of the inner member.

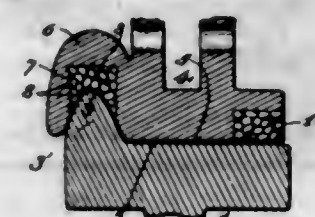
1,512,861. REINFORCED COMB FOUNDATION FOR BEEHIVES. ERNEST R. ROOT, Medina, Ohio, assignor to The A. I. Root Company, Medina, Ohio, a Corporation. Filed June 29, 1920. Serial No. 392,710. 7 Claims. (Cl. 6-11.)



2. A comb foundation sheet of wax having a filament that is embedded therein, and extends from the upper part of the sheet downward in straight diverging lines

throughout the entire extent thereof in the sheet, and adapted to be fastened at the top to a horizontal supporting member.

1,512,862. BRAKE SHOE. WILLIAM H. SAYRE, Glen Ridge, N. J.; William Heysham Sayre, William M. Beard, and Elizabeth Bartholomew Sayre, executors of said William H. Sayre, deceased, assignors to American Abrasive Metals Company, a Corporation of New York. Filed Mar. 17, 1920. Serial No. 366,546. 3 Claims. (Cl. 188-257.)

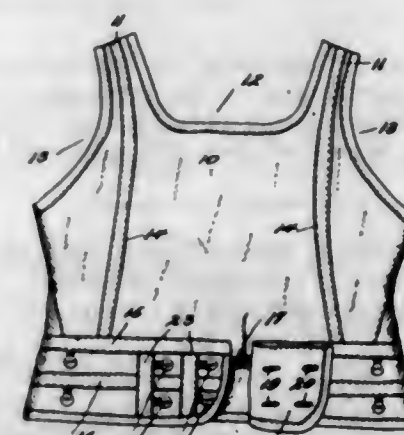


2. In combination with a brake shoe composed of a metal body adapted for applying braking pressure to a flanged wheel, a relatively harder local flange-trimming element in said body having its trimming surface conformed to the transverse contour of the flange to preserve said contour as the trimming operation progresses, and an additional local trimming element in the form of a lump of material harder than the body and embedded therein in position to act on the flange in cooperation with the action of the first mentioned element.

1,512,863. PROCESS FOR THE PRODUCTION OF SULPHURIC ACID. THEODOR SCHMIEDEL, Nuremberg-Doss, and HANS KLENCKE, Frankfurt-on-the-Main, Germany. Filed May 3, 1922. Serial No. 558,273. 13 Claims. (Cl. 23-1.)

1. A process for manufacturing sulphuric acid without the customary lead chambers or reaction towers, comprising the bringing together of a solution of nitrosyl sulphuric acid in sulphuric acid in very fine subdivision and SO₂-containing gases with the help of a mechanical mixing device, the solution being used in an amount such that at no point in the plant does the solution, as a result of the denitration, lose its power of oxidizing SO₂, the acid solution of nitrosyl sulphuric acid having a concentration above that corresponding to 58° Bé.

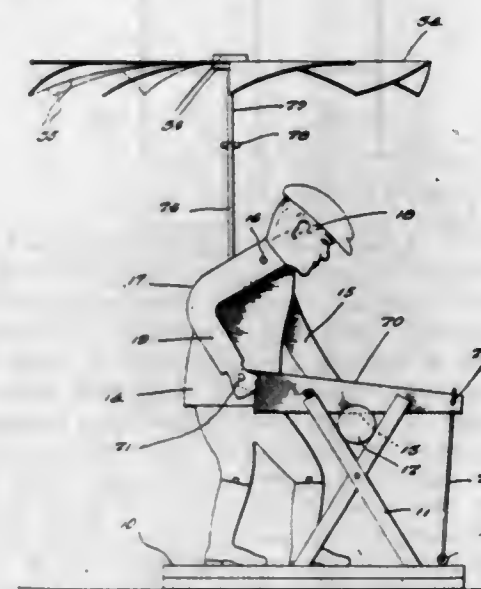
1,512,864. CHILD'S WAIST. WILLIAM H. SOMERS, New York, N. Y. Filed Nov. 18, 1921. Serial No. 516,102. 4 Claims. (Cl. 2-112.)



2. A slip-on child's waist composed of fabric permanently continuous around the body portion having a portion removed from the bottom edge upwardly for a short distance forming a notch or opening, two pairs of vertically aligned laterally spaced buttons on one side of said opening and a flap connected at one end to the body on the opposite side of said opening and provided

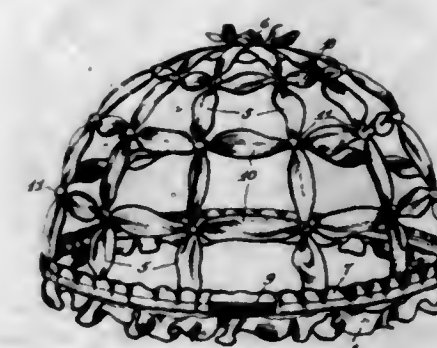
with two pairs of vertically aligned longitudinally spaced button holes corresponding in spacing and relation to said buttons whereby the end pair of button holes may be entered and engaged by either pair of buttons thus effecting an adjustment of the size of the waist.

1,512,865. TOY. THOMAS ELMER SOWERS and BYRD L. HARLACHER, Harrisburg, Pa. Filed July 7, 1923. Serial No. 650,047. 3 Claims. (Cl. 46-40.)



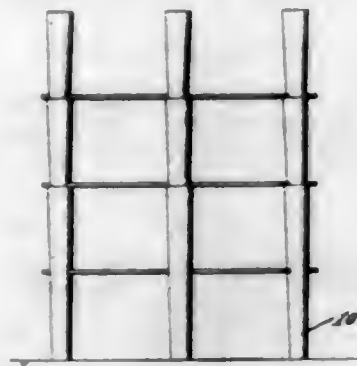
1. In a toy of the character described, a reciprocating element, an upstanding U-shaped member having its right portion journal supported and having one arm connected with said reciprocating element, an upstanding supporting bracket having a horizontal extension at its upper end, a vertical shaft journaled through said extension and formed with a crank portion, a pitman pivotally connected with the other arm of said U-shaped member and with said crank portion, a wind wheel having means for engagement upon the upper end of said shaft, whereby to drive the same directly, and a selectively usable indirect drive for the shaft comprising a frame adapted to be mounted upon said extension and carrying a countershaft having means for engagement of said wheel thereon, a gear on said counter shaft and a gear within the frame meshing with said first named gear and formed for connection upon the upper end of said vertical shaft.

1,512,866. BOUDOIR CAP. WILLIAM STRAUSS, New York, N. Y. Filed Apr. 24, 1924. Serial No. 708,752. 3 Claims. (Cl. 2-198.)



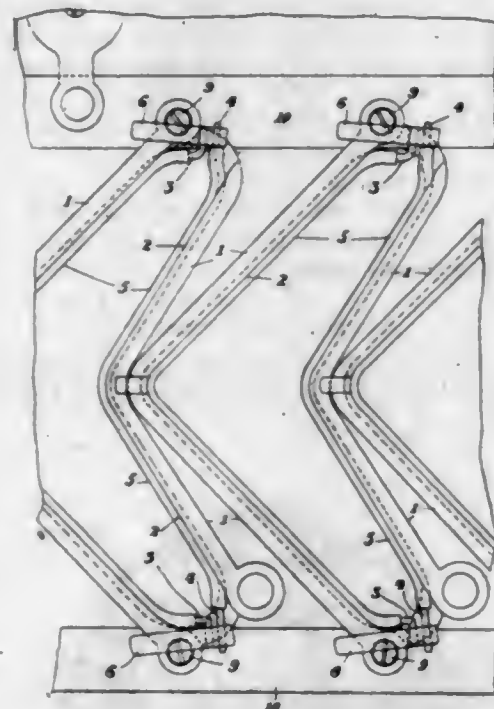
1. A hat including a plurality of strips of equal length intersecting intermediate their ends at a common center to form the crown of the hat and extending downwardly from said center in diverging relation, and a plurality of other strips transecting the first-named strips and of successively increasing length from the crown to the rim of the hat.

1,512,867. PIE RACK. ELIZABETH SUTTER, Elizabeth, Pa. Filed Aug. 18, 1922. Serial No. 582,782. 2 Claims. (Cl. 211-14.)



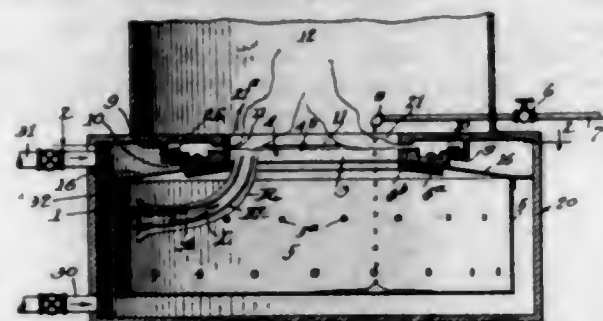
2. A rack of the character described comprising a plurality of superposed units each including a shelf formed at spaced points on its periphery with depending tongues, each unit further including a plurality of hollow legs corresponding in number to the number of lugs, the legs being formed intermediate their ends with slots accommodating said lugs and said lugs being subsequently upset, the legs of each unit telescopically receiving the legs of the unit next above, said legs being slightly tapered and the location of the slots being such that when the legs are telescoped the lugs of the lowermost unit will be immediately beneath the legs of the unit next above with the shelf of the unit next above resting upon the upper ends of the legs of the unit immediately below.

1,512,868. WORKHOLDER FOR SWISS EMBROIDERY MACHINES. ALBERT TAYLOR, Belfast, Ireland. Filed June 20, 1922. Serial No. 569,662. 1 Claim. (Cl. 112-90.)



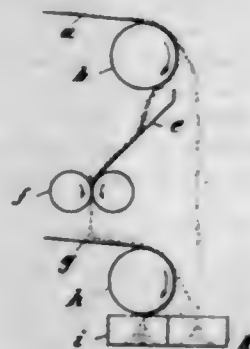
A work holding device for use in connection with embroidery machines, comprising an open angular frame with a grooved inner edge, and an expansible and contractible clamping device adapted to fit into the groove of the frame for holding an article under tension in said frame, said clamping device comprising independent members having free terminals, and levers receiving said terminals and having a turning movement to oppositely move each of the terminals with relation to a center to thereby directly contract or expand the respective clamping devices.

1,512,869. COMBUSTION APPARATUS. BEN VALJEAN, San Diego, Calif., assignor to Valjean Carburetor Company, San Diego, Calif., a Corporation of California. Filed Sept. 5, 1922. Serial No. 586,194. 11 Claims. (Cl. 158-91.)



11. Combustion apparatus embodying a combustion chamber with a wall having an opening, a carburetor with a wall having an opening registering with the combustion chamber opening, and means to hold the carburetor in such relation to the combustion chamber as to space the two walls and openings apart to form an air inlet slot of uniform width between the walls around the openings; said means embodying supporting tracks on the chamber, flanges on the carburetor and three or more bolts set in the flanges with their heads adapted to ride on the supporting tracks.

1,512,870. METHOD OF RECOVERING FUEL FROM RESIDUES. GEORG ULLRICH, FRANZ GRUENNER, and HANS DYCK, Magdeburg, Germany, assignors to Fried. Krupp Aktiengesellschaft Grusonwerk, Magdeburg-Buckau, Germany, a German Corporation. Filed Sept. 2, 1920. Serial No. 407,749. 4 Claims. (Cl. 83-71.)



1. The method of separating the ashes from the unconsumed carbon constituent of the combustion residues of ferri ferrous fuels consisting in subjecting the residues to the action of a highly concentrated magnetic field.

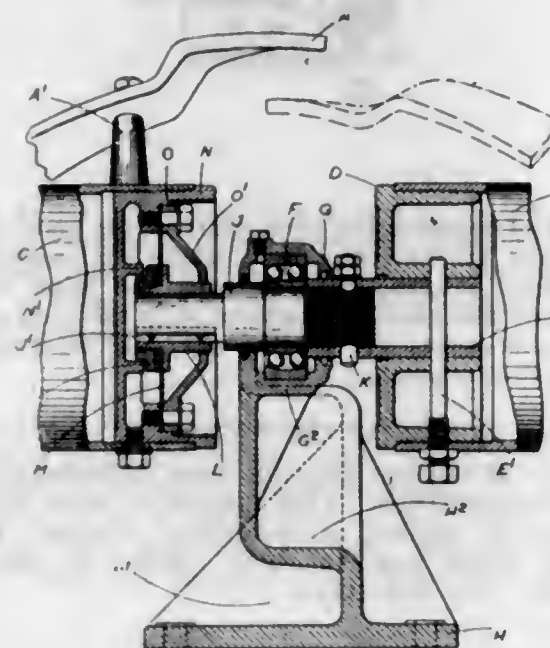
1,512,871. VEHICLE SUSPENSION SPRING. WALTER GORDON WILSON, Farnborough, England. Filed Mar. 7, 1924. Serial No. 697,570. 6 Claims. (Cl. 280-104.)



1. Improved spring suspension system for vehicles comprising the combination with a chassis to be carried upon a front and rear axle, of a longitudinal spring member arranged beneath and adjacent each side member of the

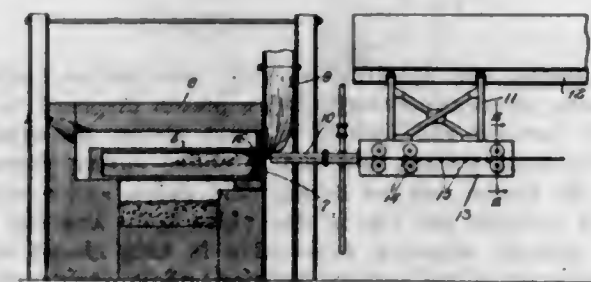
chassis and resting at its ends upon the front and rear axles forming a primary support, and a pair of springs each having one end resting upon the front and back axle respectively, their other ends being attached to the chassis to form a secondary support, the combined effect of which supports will absorb vertical movement of the chassis, whilst the secondary support will absorb the fore and aft, that is pitch movements, such arrangement permitting definite relative spring values to be chosen for the respective supports.

1,512,872. MEANS FOR SUPPORTING SHAFTING. BENJAMIN RATCLIFFE ADKINS, Upper Warlingham, and WILLIAM YORATH LEWIS, Southend-on-Sea, England. Filed Nov. 5, 1923. Serial No. 672,970. 9 Claims. (Cl. 198-213.)



7. In conveying apparatus of the type in which bodies are impelled along a track by means of a continuously rotating screwthread, the combination of the screwthread, two adjacent sections of shafting on which the screwthread is carried, a stub shaft, bearings in which the stub shaft is supported, a flexible diaphragm by means of which the stub shaft is connected to one section of the shafting, and means whereby the stub shaft is connected to the other section of the shafting such that the two sections of shafting will rotate in exact synchronism with one another as set forth.

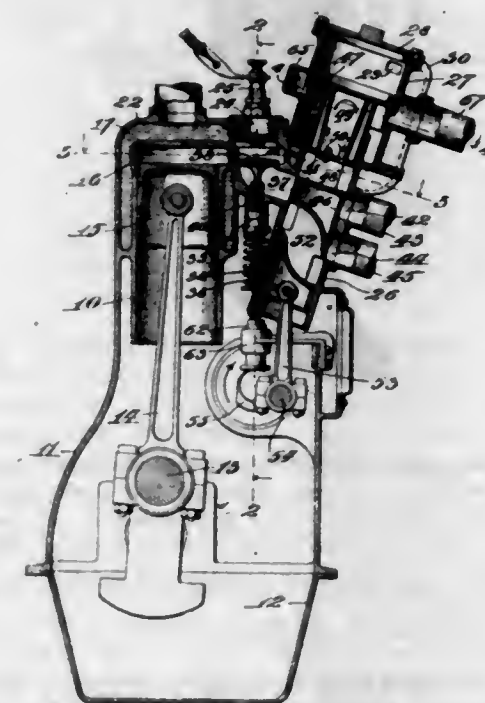
1,512,873. MANUFACTURE OF ZINC OXIDE. GEORGE S. BROOKS, Gary, Ind. Filed Feb. 27, 1922. Serial No. 539,460. 6 Claims. (Cl. 23-147.)



1. In the process of producing zinc oxide by volatilizing zinc metal in a retort and oxidizing the volatilized zinc upon leaving the retort, the improvement which consists

in feeding solid zinc metal into the retort during the volatilization through the heating zone formed by the oxidizing flame, the in-fed zinc being subjected to the heating action of the flame for a sufficient period to effect a substantial heating thereof.

1,512,874. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Charles A. Burnett, Los Angeles, Calif. Filed July 6, 1922. Serial No. 573,102. 14 Claims. (Cl. 123-75.)



1. An internal combustion engine having inlet and exhaust poppet valves, means for holding the exhaust valve open during two strokes of the piston of the engine, and means for admitting inert air past the open exhaust valve during one of the strokes of the piston of the engine.

1,512,875. STRAINER HOLDER. WILLIAM B. BYAM, Grand Rapids, Mich. Filed Jan. 15, 1924. Serial No. 686,268. 3 Claims. (Cl. 24-256.)



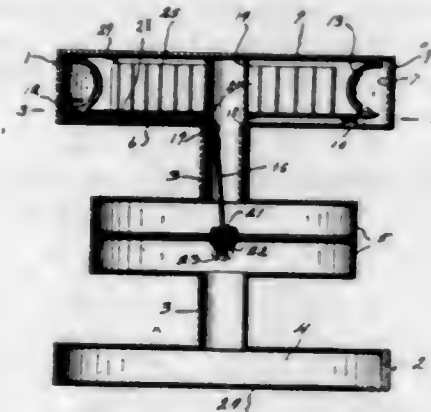
1. In a structure of the class described, the combination of a pair of spring members, a pair of flexible flat adjusting members connecting said spring members at one end thereof, said adjusting members being adjustably connected, and a pair of flexible flat coupling members secured to the other ends of said spring members, said coupling members being provided with coacting hooks and with outwardly projecting finger pieces.

1,512,876. GARTER SOCK. LEO CHANIN, Brooklyn, N. Y. Filed Sept. 28, 1923. Serial No. 665,425. 3 Claims. (Cl. 2-240.)



1. A garter sock which includes a knitted reinforcing portion extending over the foot of the sock, and strips of reinforcing material extending upward on each side of the sock from said reinforced foot portion, said strips of reinforcing material extending upwardly above the top of the sock.

1,512,877. CUFF LINK. JAMES F. CONNOR, Cleveland, Ohio, assignor of one-half to Fred S. Hoffman, Youngstown, Ohio. Filed Jan. 24, 1924. Serial No. 688,268. 6 Claims. (Cl. 24-102.)

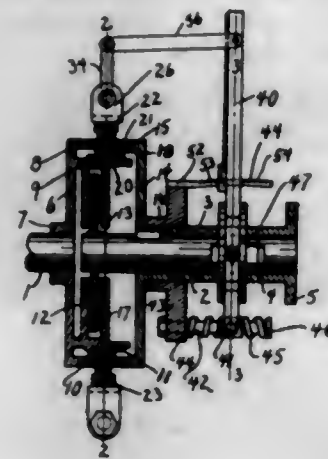


1. A cuff button comprising separate links, a drum rotatable in one link about the longitudinal axis thereof and spring held against rotation in one direction, and a cord wound upon said drum and carried out of the link and connected with the other link to normally hold the links in contacting engagement with each other.

1,512,878. REVERSIBLE CLUTCH. ALBERT GEORGE COOK, Jr., Monroe, La. Filed Dec. 15, 1923. Serial No. 680,861. 3 Claims. (Cl. 74-34.)

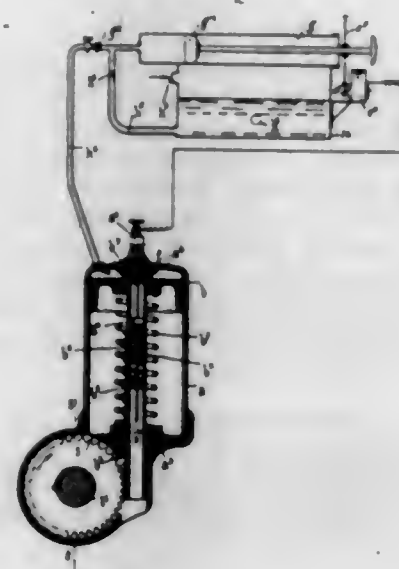
1. In a reversing clutch the combination with a driving shaft and a driven shaft in line therewith and arranged to be longitudinally movable, of a main clutch member carried by the driving shaft having a bevel gear near its periphery, a reversing disk rotating with the driven shaft but held against longitudinal movement having a bevel gear near its periphery opposite the bevel

gear on the main clutch member, an inner clutch member between the main clutch member and the reversing disk, a ring between the main clutch member and the reversing disk supported by the main clutch member but freely movable in reference thereto, gears carried by the ring



between and engaging the bevel gears of the main clutch member and the reversing disk, means for moving the driven shaft longitudinally to shift the inner clutch member into and out of engagement with the main clutch member and means for holding the ring carrying the gears against rotation.

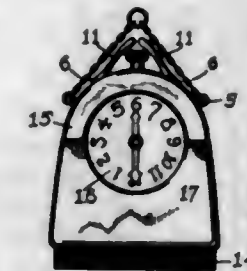
1,512,879. STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. PAUL CORNIÈRE, Clichy, France, assignor to Societe de Mecanique Nouvelle, Paris, France. Filed Aug. 10, 1922. Serial No. 580,993. 4 Claims. (Cl. 123-179.)



2. A device for starting internal combustion engines, comprising an auxiliary cylinder, a piston disposed in the latter, a tubular rod secured to said piston, an exhaust valve mounted within said rod, a coiled spring disposed within the piston rod for lifting said valve, and a spring mounted between the top of the valve body and the end of the cylinder whereby said valve is held closed when the piston is in its initial position while the valve is permitted to open when the piston descends, a hand pump for supplying an explosive mixture to the cylinder, means for effecting the ignition of the explosive mixture at will, a rack formed upon the piston rod, a pinion co-operating with said rack, a mechanical connection be-

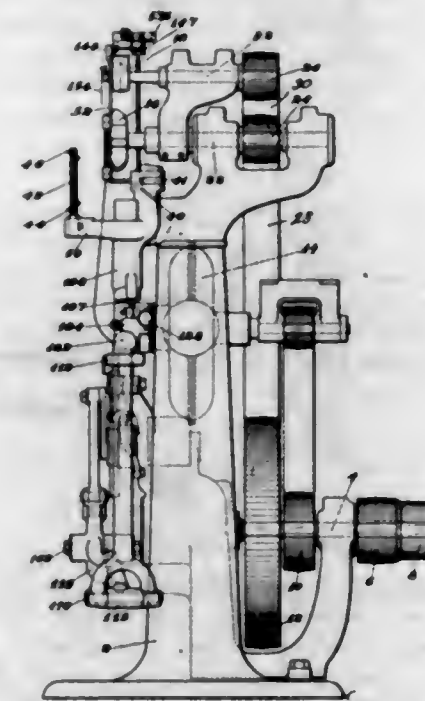
tween said pinion and the crankshaft of the engine, and a spring disposed between the piston and the lower end of the cylinder whereby said piston is returned to the initial position.

1,512,880. PENDANT WATCHCASE. ABRAHAM COTLER, Brooklyn, N. Y. Filed Feb. 21, 1924. Serial No. 694,384. 3 Claims. (Cl. 58-88.)



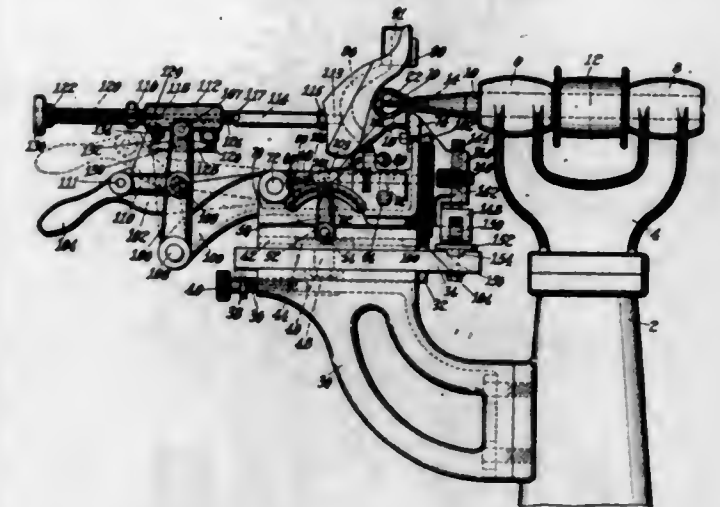
1. A watch case comprising a pair of case members adapted to enclose a watch movement, a watch dial on one of said members and frame structure upon the upper portion of each of said members and suspension means whereby to support said case.

1,512,881. MACHINE FOR OPERATING UPON HEELS. LOUIS A. GASGRAIN, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 22, 1917, Serial No. 197,889. Renewed Nov. 11, 1922. Serial No. 600,473. 105 Claims. (Cl. 12-47.)



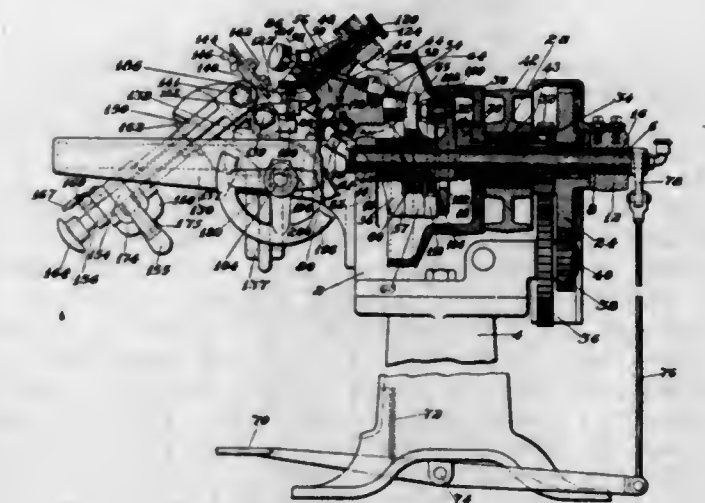
1. In a machine of the class described, the combination of a rotary cutter, shoe supporting means for holding a shoe and its attached heel in predetermined position, and power means for effecting relative operative movement of the cutter and shoe supporting means to cause the cutter to breast the heel.

1,512,882. HEEL-BREASTING MACHINE. HENRY M. LOOMER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 22, 1918, Serial No. 241,393. Renewed Nov. 22, 1922. 80 Claims. (Cl. 12-47.)



1. In a machine for treating the breasts of Louis heels, a rotary shaft, and a cutter on the end of the shaft arranged to rotate on its longitudinal axis, half of its longitudinal cross-section corresponding in curvature to the longitudinal curve of a Louis heel including the forwardly extending base portion.

1,512,883. HEEL-BREASTING MACHINE. ELMER B. GRUSH, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 1, 1918, Serial No. 242,764. Renewed Dec. 28, 1922. 123 Claims. (Cl. 12-47.)

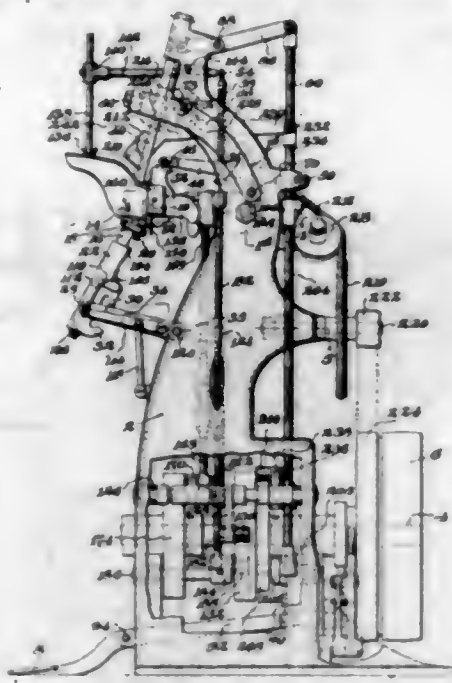


1. A machine for breastng Louis heels comprising a shoe support and a cutter constructed and arranged for relative movement to cause the cutter to curve the heel breast longitudinally and also to curve the base portion of the heel correspondingly to the transverse curve of the shoe shank and to scallop the portion only of the heel breast which is adjacent to the top lift.

1,512,884. HEEL-BREASTING MACHINE. LOUIS A. GASGRAIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 17, 1919, Serial No. 290,670. Renewed Oct. 23, 1922. Serial No. 596,464. 92 Claims. (Cl. 12-47.)

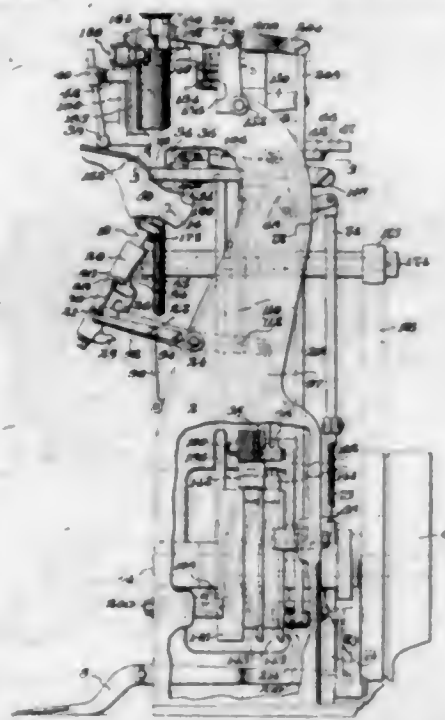
1. In a machine of the class described, the combination of means for holding the work, a plurality of non-

rotary knives, means for moving the knives in opposite directions partially to sever a chip from the work, and



means for moving the knives in the same direction to complete the severance of the chip.

1,512,885. HEEL-BREASTING MACHINE. LOUIS A. CASGRAIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 13, 1919, Serial No. 303,883. Renewed Oct. 4, 1922. Serial No. 592,397. 43 Claims. (Cl. 12-47.)

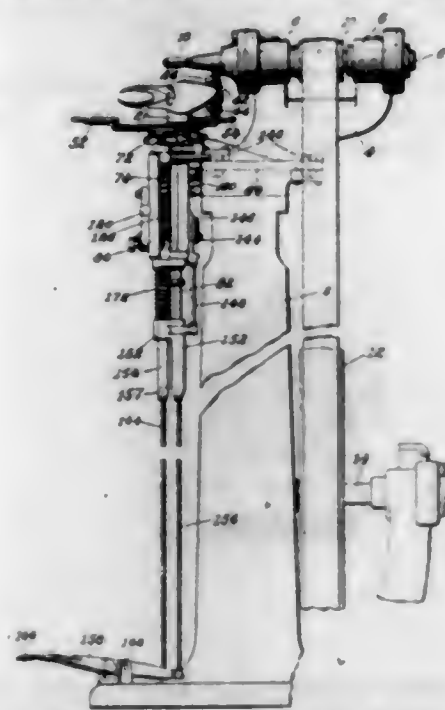


1. In a machine of the class described, the combination of cutting means constructed and arranged to traverse the heel breast in a curved path to form a convexly curved surface on the heightwise extending portion of the heel breast, and means for holding a shoe and its attached heel in predetermined relation to the path of the cutting means.

1,512,886. HEEL-BREASTING MACHINE. ELMER B. GRUSH, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 12, 1920, Serial No. 358,094. Renewed June 7, 1923. 81 Claims. (Cl. 12-47.)

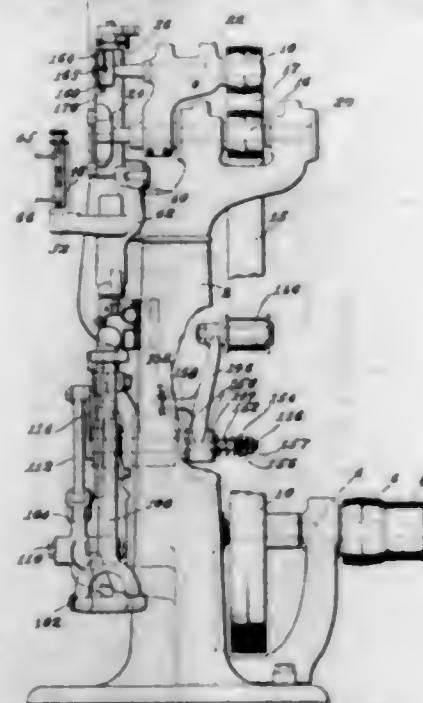
1. A machine of the class described having, in combination, a shoe support for locating a shoe and its attached heel in predetermined position, a rotary cutter,

means for effecting relative movement between the support and cutter to cause relative traverse of the shoe heel and cutter in a direction from side to side of the



heel, and means acting during said relative movement for causing relative movement of the heel and cutter about an axis to cause the heel breast to be formed with one portion concaved and another portion convexed.

1,512,887. HEEL-BREASTING MACHINE. LOUIS A. CASGRAIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 14, 1920. Serial No. 388,847. 40 Claims. (Cl. 12-47.)

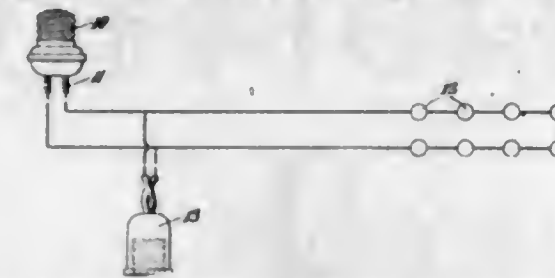


1. In a machine of the class described, the combination of a cutter for treating the heel breast, and shoe positioning means constructed and arranged to engage the heel only of a shoe presented thereto in the hands of the operator and acting to determine the position of the heel in the longitudinal median plane of the shoe.

1,512,888. LIGHTING SET. LESTER HAFT, New York, N. Y. Filed Mar. 11, 1921. Serial No. 451,635. 3 Claims. (Cl. 240-9.)

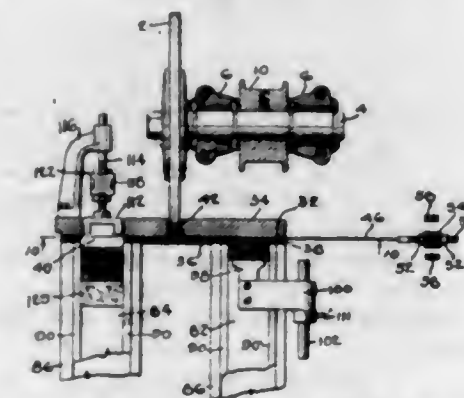
1. A unitary Christmas tree lighting set comprising an attachment plug adapted to be inserted in a standard lamp socket, a plurality of miniature lamps connected together in series, lead wires connecting said lamps with

the circuit terminals of the attachment plug, a complementary attachment member adapted to receive the



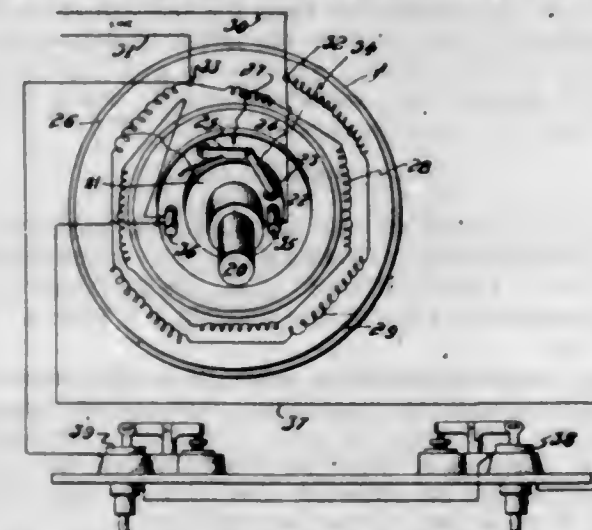
similar attachment plug of a second lighting set and lead wires connecting the terminals of said complementary attachment member in multiple with the lead wires of the lamps.

1,512,889. MACHINE FOR OPERATING ON BLADES. FERDINAND G. HENRY, New York, N. Y., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y., a Corporation of New York. Filed Aug. 30, 1920. Serial No. 406,897. 17 Claims. (Cl. 51-74.)



8. A machine of the class described, having in combination means for sharpening the edges of blades, means stationary in the direction of movement of the blades and having a guideway extending past the operating means in which the blades are brought into engagement with the sharpening means by the movement of the blades through the guideway, and in which they are held while operated upon, a receiving galley to receive the blades in succession from the guideway, and means for causing movement of the blades in succession through the guideway and from the guideway into the receiving galley.

1,512,890. AUTOMATIC LOAD-CONTROL DEVICE FOR ELECTRIC MOTORS. CLARENCE M. HOLLEY and EARL P. OSWALD, Detroit, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Oct. 23, 1919. Serial No. 332,596. 8 Claims. (Cl. 172-279.)

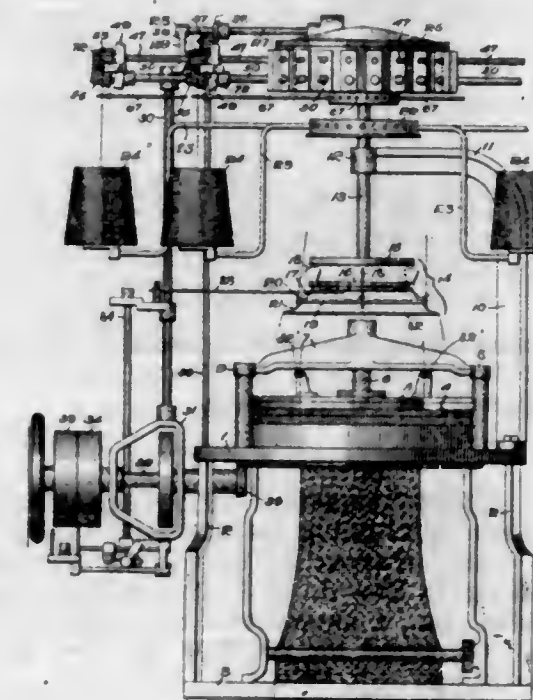


1. An automatic load control device for electric motors adapted to release the same from load during the starting period comprising a normally closed switch

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controlled by rotation of the motor shaft to open the same on attainment of predetermined speed of rotation, a circuit for the switch adapted to be energized upon energization of the motor winding, an electro-magnet in the switch circuit, and mechanism controlled thereby adapted to disconnect the load from the motor during the period of energization of the magnet.

1,512,891. YARN CONTROL FOR KNITTING MACHINES. WILLIAM P. DRUMHELLER, Springfield, Mass., assignor to William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1923. Serial No. 633,140. 12 Claims. (Cl. 66-12.)

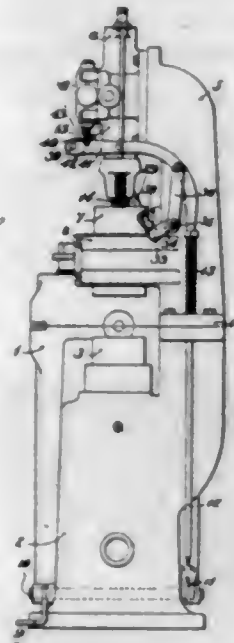


1. Positive yarn feed and press-off preventing mechanism for knitting machines comprising, in combination, means to support one or more yarn packages, positive yarn feeding means acting continuously to feed the yarn and located respectively relatively close to said yarn package or packages, a guide for each yarn at each positive feeding means and constructed and located sufficiently distant from said feeding means to accommodate the ballooning or other local irregularities of delivery of the yarn off its package and thus to permit the consequent fluttering of the yarn at said feeding means, and stop motion means between the needles and the positive feeding means and having a vibratory yarn receiving member, only the minimum or normal vibratory movements whereof compensate for and absorb the said fluttering movement of the yarn at the positive feeding means and excess or abnormal vibratory movements whereof serve to stop the knitting mechanism, the distance between the positive yarn feeding means and the needles having such relation to the length of yarn between the yarn package and the positive yarn feeding means as to prevent press-off upon the occurrence of yarn break between a yarn package and the corresponding positive yarn feeding means.

1,512,892. PNEUMATIC HAMMER. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 26, 1918. Serial No. 259,789. 8 Claims. (Cl. 121-30.)

1. In a drill sharpener, the combination with swaging means comprising stationary and movable dies and a fluid pressure motor for actuating said movable die, of controlling means for said motor operative to cause

raising of said die prior to the shutting down of said motor, and automatic mechanical means adapted to engage said die and hold it in raised position, said con-

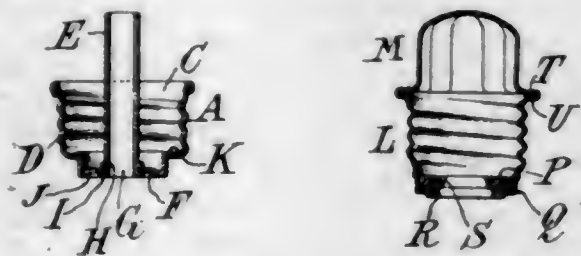


trolling means being operative to entirely discontinue supply of fluid pressure to said motor when said die is held stationary in raised position.

1,512,893. QUANTITATIVE DETERMINATION OF HYDROGEN SULPHIDE IN ILLUMINATING AND OTHER GAS. WALTER H. FULWEILER, Wallingford, Pa., assignor to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 12, 1922, Serial No. 528,860. Renewed Mar. 27, 1924. 3 Claims. (Cl. 23-31.)

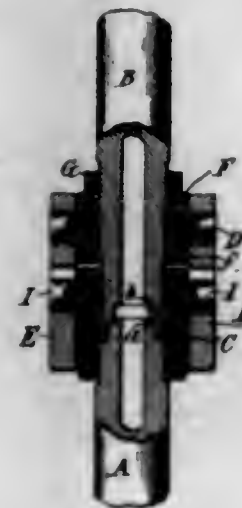
1. The method for the quantitative determination of hydrogen sulphide in illuminating and other gas which consists in spotting a carrier with solutions of different compounds differently reactive to different concentrations of hydrogen sulphide in the gas for the formation of sulphides of different coloration, establishing a known flow of the gas to be tested, exposing the carrier to the known flow of gas for a definite interval of time, and estimating the concentration of the hydrogen sulphide in the gas by the colored sulphides.

1,512,894. WATER-BOTTLE STOPPER. HENRY P. KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of said Henry P. Kraft, deceased. Filed Mar. 1, 1921. Serial No. 448,785. 5 Claims. (Cl. 150-8.)



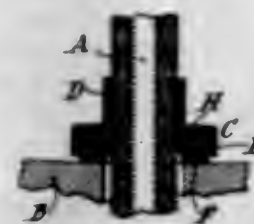
1. A water bottle closure comprising a screw-threaded socket member, a vent tube connected with said screw-threaded socket member, a stopper adapted to seat in said socket member having an opening in its bottom through which said vent tube projects, and a dome-shaped extension fixed to the top of said stopper, and being hollow to receive said vent tube.

1,512,895. PIPE COUPLING. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of said Henry Phillip Kraft, deceased. Filed Nov. 10, 1921. Serial No. 514,262. 4 Claims. (Cl. 285-172.)



2. In combination, a pair of standard pipe sections having cooperating end seating faces which are unalterable in form, coupling means carried by said sections for forcing said seating faces into intimate contact comprising a pivoted lever carried by one of the pipe sections and adapted to engage a part carried by the other pipe section, the lever having a cam surface and means for compensating wear on said cam surface and its engaging part.

1,512,896. RIM NUT OR THE LIKE. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of said Henry Phillip Kraft, deceased. Filed Feb. 10, 1923. Serial No. 618,201. 6 Claims. (Cl. 85-32.)



1. A rim nut or the like, having a compressible washer on its under side and having an unthreaded protecting member of larger diameter than the screwthreads of the nut arranged in the hole of the latter to oppose inward distortion of the washer, whereby to avoid interference with the threads of a valve casing over which the rim nut is adapted to be threaded.

1,512,897. PROCESS OF OBTAINING SOLIDS OF PREDETERMINED DEGREES OF DISPERSION. VOLKMAR KOHLSCHÜTTER, Bern, Switzerland. Filed Aug. 30, 1921. Serial No. 497,020. 8 Claims. (Cl. 23-28.)

1. A process of obtaining solids of predetermined dispersion by removing interstitial atom-groups from the originating substance in solid form by a non-solvent reagent solution of adjusted concentration at a temperature which is adjusted according to the desired degree of dispersion in the precipitate.

THE OFFICIAL GAZETTE

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CONTENTS.

	Page.
ISSUE OF OCTOBER 28, 1924.....	679
INTERFERENCE NOTICES.....	679
ADJUDICATED PATENTS.....	679
ADVERSE DECISIONS IN INTERFERENCE.....	679
APPLICATIONS UNDER EXAMINATION.....	680
COMMISSIONER'S DECISIONS—	
Marles v. Denyes.....	681
Ex parte Jones.....	681
DECISIONS OF THE U. S. COURTS—	
Samuel Homer Woodbridge et al., Executors of William E. Woodbridge, Deceased, v. The United States.....	683
Orange Crush Company v. California Crushed Fruit Company.....	687
In re Shaffer.....	688
PATENT SUITS.....	689
NOTICES OF CANCELLATION.....	690
DISCLAIMERS.....	690
CHANGES IN CLASSIFICATION.....	691
TRADE-MARKS PUBLISHED (274 APPLICATIONS).....	691
TRADE-MARK REGISTRATIONS GRANTED.....	727
TRADE-MARK REGISTRATIONS RENEWED.....	742
REISSUES.....	743
DESIGNS.....	744
PATENTS GRANTED.....	754

Issue of October 28, 1924.

Trade-Marks.....	302—No. 190,813 to No. 191,114, inclusive.
T. M. Renewals.....	1
Reissues.....	5—No. 15,935 to No. 15,939, inclusive.
Designs.....	48—No. 65,842 to No. 65,889, inclusive.
Patents.....	830—No. 1,512,898 to No. 1,513,727, inclusive.
Total.....	1186

Interference Notices.

U. S. PATENT OFFICE, Washington, Oct. 10, 1924.
Victor Combination Kitchen Boiler Company, its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Victor Stove Company, of 208 Depot Street, Salem, Ohio, for registration of a trade-mark and trade-mark registered June 4, 1912, No. 86,843, to Victor Combination Kitchen Boiler Company, southwest corner Fourth and Washington Streets, Oakland, Calif., and a notice of such declaration sent by registered mail to said Victor Combination Kitchen Boiler Company at the said address having been returned by the post office undeliverable, notice is given that unless said Victor Combination Kitchen Boiler Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 13, 1924.
Arrow Neckwear Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between Cluett, Peabody & Co., Inc., Troy, N. Y., for registration of a trade-mark and trade-mark registered January 23, 1923, No. 163,549, to Arrow Neckwear Co., 87 Kingston Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Arrow Neckwear Co. at the said address having been returned by the post-office au-

thorities as undeliverable, notice is hereby given that unless said Arrow Neckwear Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 14, 1924.

The Master Jewelers, Inc., its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of the Illinois Watch Case Company, of Elgin, Ill., for registration of a trade-mark and trade-mark registered September 6, 1921, No. 146,294, to The Master Jewelers, Inc., 302 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said The Master Jewelers, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Master Jewelers, Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

ADJUDICATED PATENTS.

(C. C. A. Mich.) The Andrews patent, No. 1,148,483, for method of feeding water to boilers, Held valid, but not infringed. *Northern Equipment Co. v. McDonough Automatic Regulator Co.*, 300 Fed. Rep. 488.

(D. C. N. Y.) The Scott patent, No. 1,233,714, for stocking, Held invalid. *Scott & Williams v. Aristo Hosiery Co.*, 300 Fed. Rep. 622.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,406,982; W. J. Davis, Pasteurizing holder, decided September 19, 1924, claims 10 and 11.

Pat. 1,416,188; H. B. Garman, Drag link, decided September 20, 1924, claims 1, 2, and 5.

Pat. 1,423,249; T. S. Opheim, Automobile direction signal, decided September 8, 1924, claims 1, 2, 5, and 7.

Condition of Applications Under Examination at Close of Business October 17, 1924.

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 29	Apr. 14	1,000
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 17	Mar. 24	802
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	July 31	June 17	337
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 26	May 20	921
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Mar. 14	Mar. 20	1,004
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 27	Feb. 23	1,153
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Apr. 23	Apr. 24	1,659
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	May 20	July 18	1,330
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Apr. 9	Aug. 4	653
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	May 1	May 8	1,421
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	June 14	June 13	915
380	12. PIERCE, P. P., Machine Elements.	May 17	May 12	1,021
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 23	Apr. 3	1,111
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriers; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 18	July 5	544
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Wire Working.	Mar. 29	Apr. 11	1,343
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Mar. 20	Mar. 24	1,377
307	17. RAFTER, G. S., Label Fastening and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 1	June 6	843
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Feb. 14	Feb. 18	1,291
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 21	July 10	850
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 16	Apr. 21	1,229
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Apr. 10	Aug. 16	595
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Apr. 1	Apr. 5	1,205
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanism.	Apr. 23	Apr. 26	496
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 28	May 6	840
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Cutlery; Mills; Threshing.	July 21	July 21	670
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Feb. 18	Mar. 22	827
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 6	May 31	1,041
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 21	May 3	1,061
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Mar. 17	Apr. 3	1,173
243	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Apr. 25	June 9	1,200
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 8	Apr. 21	1,012
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Apr. 1	Apr. 1	860
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	May 19	May 29	1,237
304	34. SIMPSON, O. R., Electricity; Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 16	May 1	781
116*	35. REYNOLDS, E. C., Buckles, Buttons, Claps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	July 5	June 30	654
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	May 3	Apr. 28	1,496
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 14	Apr. 15	1,542
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Apr. 21	Apr. 28	1,127
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	May 3	May 19	679
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 4	June 14	1,909
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Apr. 10	May 15	696
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Feb. 26	Feb. 25	1,584
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 29	Mar. 1	1,317
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Apr. 2	May 1	1,000
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Apr. 9	Mar. 15	912
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 5	Mar. 11	1,079
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 18	Mar. 20	1,461
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Mar. 1	Mar. 1	1,996
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Apr. 7	Apr. 24	940
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Feb. 21	Mar. 5	1,715
240*	51. BACKUS, C. D., Radiant Energy; Wave Transmission; Electric Lamps.	Apr. 1	Apr. 1	2,118
144	52. MOROAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	May 13	June 30	847
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 7	Mar. 18	1,527
102	DESIGNS: C. O. MARKHAM (Acting).	Sept. 18	Sept. 13	514
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Sept. 17	Oct. 1	1,411
		Aug. 19	Aug. 23	495

* Refers to room numbers in the annex.
680

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

MARLES V. DENYES.

Decided June 28, 1923.

INTERFERENCE—PRELIMINARY STATEMENT—REQUEST FOR WITHDRAWAL OF.

Where both parties filed preliminary statements and before the statements were open for inspection the senior party, a patentee, stated on the record that he wished to rely on his record date and requested that his statement be withdrawn from the case and sealed up, because it had been filed through inadvertence, *Held* that because of the filing of the statement through inadvertence and the subsequent request, made before the situation of the parties had changed, the statement was not a part of the proceedings, and the Examiner of Interferences properly refused to open it.

APPEAL on motion.

STEERING GEAR.

Mr. E. G. Siggers for Marles.

Messrs. Blackmore, Spencer & Flint and Messrs. Watson, Coit, Morse & Grindle for Denyes.

KINNAN, First Assistant Commissioner:

The party Marles has appealed from the decision of the Examiner of Interferences denying a motion to open the preliminary statement of Denyes.

It appears from the record that Denyes is the senior party and is a patentee. Marles's preliminary statement alleges a date prior to the filing of Denyes's application. After Denyes filed his preliminary statement it was kept sealed by the Examiner of Interferences pending the filing of a preliminary statement in another closely-related interference, in which another patent of Denyes was involved with the same application of Marles. Thereafter, and before the preliminary statements were approved or open for inspection of the opposing party, Denyes requested that his preliminary statement be withdrawn from the case and sealed up, because it had been filed through inadvertence, and stated on the record that he wished to rely upon his record date and requested that the case proceed in the same manner as though no attempt had been made by him to file a preliminary statement.

Marles submits in support of his motion that rule 111 entitles him to see the preliminary statement of Denyes, provided Marles is not in default in filing his own preliminary statement or in failing to overcome Denyes's date of filing. Marles urges that he is entitled as a matter of right to demand over.

It is believed the rule is not to be thus broadly construed. There is no reason presented by Marles which warrants his seeing the preliminary statement of Denyes. Clearly the latter was entitled to stand upon his record date and file no preliminary statement if he so desired. The

filing of his preliminary statement through inadvertence and the request that it be withdrawn and sealed up, made before the situation of the parties had changed, renders such preliminary statement, so far as the present proceeding is concerned, a communication or paper which is not part of the proceedings and which has no bearing upon the issue of this interference. It is believed the practice as announced in *Converse et al. v. Kerst*, 84 O. G. 1146, is controlling in the present instance.

The decision of the Examiner of Interferences is affirmed.

EX PARTE JONES.

Decided September 19, 1924.

1. UNFAIR PRACTICE—DECISIONS OBTAINED EX PARTE ON PENDING INTER PARTES QUESTIONS.

Where J. copied claims from R.'s motion to add counts and prosecuted them ex parte in a divisional application before the successive tribunals without admitting their patentability, and even suggested references to the Office and a possible ground of rejection, while his parent application was in interference with R. and R.'s motion was still pending, *Held* that this attempt to obtain a prejudging of the case on ex parte presentation, as well as the character of the presentation, was not fair either to the other parties in the interference or to the appellate tribunals.

2. PRACTICE IN THE PATENT OFFICE—EX PARTE CONSIDERATION PENDING INTER PARTES QUESTIONS.

The tribunals of this Office should not consider ex parte, when raised by an applicant, questions which are pending before the Office in inter partes proceedings involving the same applicant.

3. SAME—APPEAL—DISMISSAL OF—REASONS FOR APPEAL NOT PROPER.

Where it does not appear that the appellant is dissatisfied with the decision below, and the reasons offered do not set out any error below, but merely present the question "whether or not" the lower tribunal erred, *Held* that the appeal should be dismissed.

APPEAL from the Examiners in Chief.

REINFORCED SEAMLESS TUBULAR FABRIC AND PROCESS OF KNITTING THE SAME.

Messrs. Emery, Booth, Janney & Varney for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the decision of the Examiners in Chief affirming the final rejection by the Primary Examiner of all the claims, 13 in number.

The application was filed in 1923 as a division of a parent application filed in 1922. The parent application discloses a knitting machine. All the claims therein are machine claims. The claims in the instant divisional application are drawn to the article produced by the machine of the parent application and to the process of producing it.

On August 2, 1922, the parent application was placed in interference with the applications of sev-

eral other parties. On November 13, 1922, the party Jones, the appellant here, moved to amend the issue in the interference, presenting several claims, of which one was for the method and another was for the article. These two claims were substantially claims 13 and 14 of the application of R., a party to that interference. On August 6, 1923, Jones withdrew his motion to amend before it had been heard. On September 24, 1923, R. moved to amend the issue and presented four additional claims numbered 22 to 25, inclusive. Claim 24 is for the method and claim 25 is for the article. This motion at first was refused transmission, but later, on October 22, 1923, an order was issued setting it for hearing before the Law Examiner. Jones opposed the motion on the ground that the claims presented by R. were unpatentable.

In the meantime, before withdrawing his motion, Jones on July 10, 1923, filed the present divisional application containing claims 1 to 10, inclusive. On October 3, 1923, before any action by the Examiner, Jones presented claims 24 and 25 of R.'s patent as additional claims 11 and 12, stating that they had been presented by R. in the interference, but had been refused transmission, and are not in the interference and as we understand the situation, can not be considered in the interference under existing procedure.

The same paper said—
these claims are added without any statement or admission as to their patentability.

The Examiner rejected all the claims 1 to 12 on March 20, 1924. Four days later Jones amended presenting additional claim 13 and also a list of 17 patents to be considered by the Examiner. In this amendment he requested that the Examiner give final action, but failed to state that the motion in the interference had been transmitted five months before and that the question of patentability was then before the Law Examiner. The Examiner informs me informally that he knew the motion had been transmitted, but the fact does not appear in the record. In compliance with this request the Examiner finally rejected all the claims on April 7, 1924. Two days later Jones appealed to the Examiners in Chief from the Examiner's action. The case was submitted to them on brief on April 21, 1924, and they rendered a decision on May 12, 1924, affirming the decision of the Examiner. On April 24, 1924, Jones filed a supplemental brief before the Examiners in Chief arguing a possible ground of rejection not given by the Examiner. The Examiners in Chief declined to pass upon this ground, because it had not been relied upon by the Examiner. The findings of the Examiners in Chief were based in part on admissions made in the Jones's brief as to old practice in the prior art.

Jones has not contended before the Examiner, before the Examiners in Chief, or here that the appealed claims are patentable. He has always merely asked for rulings as to whether they are patentable without averring that he believes them patentable. On the contrary he has cited addi-

tional art, suggested that an additional ground of rejection lies, and made admissions in his briefs which would tend to establish nonpatentability. As stated before, the decision of the Examiners in Chief was based partially on such admissions.

At the same time in the interference he has been contending that R.'s claims 24 and 25, which are the same as his claims 11 and 12, here on appeal, are unpatentable. If claims 11 and 12 are unpatentable, the remaining claims are likewise without patentable merit. They are all directed to the same subject matter, and claims 11 and 12 are as specific as the others. In fact, most of the others are more broadly drawn.

The conduct of the instant case is peculiar. On October 3, 1923, applicant presented claims 11 and 12 and stated that the patentability thereof would not be determined inter partes. Securing the Examiner's rejection, he responded at once demanding final action, although he and the Examiner both knew that patentability was being considered inter partes at that time. He attached a note requesting action at the earliest possible date to this communication. Having obtained a final rejection within 12 days, he immediately appealed on April 9, 1924, with another note attached to his appeal reading:

It is believed that a date of hearing of April 14th can be secured. We would greatly appreciate an immediate answer.

Having obtained the Examiner's statement on April 16, a hearing before the Examiners in Chief on April 21, and their decision on May 12, he immediately appealed to the Commissioner, and because he could not have an oral hearing before the middle of July he waived his right thereto and submitted the case on brief, again requesting an early decision.

The prosecution of the case has been rushed at all stages to secure ex parte decisions in advance of the inter partes decisions on the same subject matter. It does not appear that the Examiners in Chief had any idea the matter was being fought out inter partes. Applicant has on the record specifically stated that the motion involving the claims was not transmitted in the interference; but he omitted to inform the Examiners in Chief that later the motion was transmitted. Neither did counsel disclose that fact here, nor did he intimate that the patentability of the claims had already been passed upon inter partes by the Law Examiner before the appeal ex parte was taken to the Commissioner; but it appeared from the character of the appeal and brief that an adverse decision was desired. This led to an inspection of the interference file referred to. Such inspection disclosed the facts relative to the interference outlined above.

[1] By securing decisions from the appellate tribunal on ex parte presentation he caused such tribunal to prejudge the case before hearing the inter partes arguments. Under these conditions each appellate tribunal in the Office on consideration of the inter partes appeal may be confronted

not only with its prior decision, but possibly with such decision affirmed by a higher tribunal. This attempt to obtain a prejudging of the case on ex parte presentation, as well as the character of the presentation, is not fair either to the other parties in the interference or to the appellate tribunals. Such practice cannot be approved.

[2] It would have been better practice if the Examiner had not permitted this case to reach final action, and the attorney should not have invited such final rejection, but rather have asked that consideration of the case ex parte be postponed until the determination of the claims inter partes. The tribunals of this Office should not consider ex parte, when raised by an applicant, questions which are pending before the Office in inter partes proceedings involving the same applicant.

[3] Revised Statutes 4910 provides that—

If a party is dissatisfied with the decision of the Examiners in Chief, he may, on payment of the fee prescribed, appeal to the Commissioner in person.

It does not appear that applicant here is "dissatisfied with the decision of the Examiners in Chief." On the contrary, he is satisfied with it and apparently would have been much disturbed if the claims had been allowed. The reasons offered here, as below, do not set out any error below, but merely read: "whether or not the Examiners in Chief erred in holding," etc. In *Horne v. Wende*, 1907 C. D. 615, the court of appeals held in a patent case that the reasons of appeal are "in the nature of the ordinary assignment of error in actions at law or in equity." Obviously the form chosen by applicant here points out no error in the tribunals below. The remarkable form in which the reasons are cast in the present case seems clearly to indicate that the question of patentability of the claims from applicant's standpoint is so nearly a moot question that it should not be determined in this ex parte proceeding. Since there are no proper reasons for appeal, the appeal to the Examiners in Chief should have been dismissed. The Law Examiner has held the subject matter here involved unpatentable in the interference proceeding, and his decision has been affirmed by the Examiners in Chief since the present case was submitted to me.

The matters indicated above having been informally called to the attention of the attorneys in this case by me, they filed on June 28 a paper with the Examiners in Chief entitled in this case stating that they would be glad to have the Examiners in Chief examine, in connection with the inter partes appeal, the present Jones case—

without intending in any way to withdraw in this case the appeal to and now pending before the Commissioner.

That paper also pointed out that the Board need not feel bound in the inter partes case by the position it had taken in the present case. If an appeal is to be taken from that decision, applicant may have the appeal in the present case considered with the inter partes appeal if he will present proper reasons for appeal; otherwise, the present appeal will stand dismissed.

Supreme Court of the United States.

SAMUEL HOMER WOODBRIDGE ET AL., EXECUTORS OF WILLIAM E. WOODBRIDGE, DECEASED, v. THE UNITED STATES.

Decided November 12, 1923.

1. FORFEITURE OF RIGHT TO A PATENT—DELIBERATE DELAY IN TAKING PATENT AFTER ALLOWANCE OF APPLICATION—ACT OF JULY 4, 1836.

Any practice of an inventor and applicant for patent through which he deliberately and without excuse postpones the beginning of the term of his monopoly, and thus puts off the free public enjoyment of the invention, is an evasion of the patent law and defeats its aim.

2. SAME—SAME—SAME.

An inventor of projectiles for rifled cannon having obtained allowance of a patent from the Patent Office, procured the papers to be filed in the secret archives on a statement that he wished this for one year only as an aid in obtaining patent rights abroad, and thereafter for nearly ten years deliberately abstained from requesting issuance of his patent in order to postpone the beginning of the patent monopoly until the needs of the Government for the invention should render it of pecuniary value to himself. Held that he forfeited his right to the patent within the meaning of the special act of Congress authorizing this suit, and therefore compensation could not be recovered from the Government even if it used the invention within the period defined by that statute. Act of March 2, 1901, 31 Stat. 1788.

Mr. Henry P. Doolittle for Woodbridge et al.

Mr. Harry E. Knight, special assistant to the Attorney General, with whom Mr. Solicitor General Beck, Mr. Assistant Attorney General Lovett, and Mr. Melville D. Church, special assistant to the Attorney General, were on the brief, for the United States.

APPEAL from the Court of Claims.

Mr. Chief Justice TAFT delivered the opinion of the Court.

This suit in the Court of Claims was brought under the authority of a special act of Congress of March 2, 1901 (31 St. 1788), by which the claim of William E. Woodbridge, for compensation from the United States for use of his alleged invention relating to projectiles for rifled cannon, for which a patent was ordered issued by the Government, was referred to the Court of Claims to hear and determine, first, whether Woodbridge was the first and original inventor, and, second, to what extent the United States had used it and the amount of compensation which was due in equity and justice therefor, and if it found that Woodbridge was such inventor, to decide the case as if a patent had issued for 17 years in 1852, the year in which it had been ordered to issue, with the right of appeal as in other causes—

Provided, however, that the said court shall first be satisfied that the said Woodbridge did not forfeit, or abandon, his right to a patent, by publication, delay, laches or otherwise; and that the said patent was wrongfully refused to be issued by the Patent Office.

The Court of Claims heard the case, made findings of fact and held that the petition must be dismissed on two grounds, first, that Woodbridge had forfeited or abandoned his right to a patent by his delay or laches, and, second, that the United States had not used his invention.

From the findings of fact, it appears that Woodbridge was a man skilled in the science of projectiles and an inventor of genius and experience. In February, 1852, he filed an application for a patent for an invention which he described as consisting of—

applying to a projectile to be fired from a rifled gun, a rifed ring or sabot, in the manner described for the purpose of giving to the projectile the rifed motion.

The Patent Office advised him that the use of sabots or rings of soft metal applied to iron balls was known for either smooth bore or rifled guns but after discussion allowed him two claims, the first for a smooth ring for a smooth bore cannon, and the second for a ring with exterior projections to fit into the rifled cannon, for the purpose of diminishing windage, and giving the projectile a motion in direction of the axis of the bore.

In a letter of March 23, 1852, Woodbridge wrote the Patent Commissioner, with the claims amended in the form in which the Patent Office had agreed to allow them, and said:

I was informed, in answer to my inquiry, that upon the issue, or order to issue, of a patent, it may be filed in the secret archives of your office (at the risk of the patentee) for such time as he may desire. I wish to avail myself of this privilege when my patent may issue, in order that my ability to take out a patent in a foreign country may not be affected by the publication of the invention. If it is necessary to specify a particular time during which the patent shall remain in the secret archives, you will please consider one year as the time designated by me.

To this, on April 15, 1852, the Patent Office answered that a patent had been ordered to issue on his application and in accordance with his request, the papers were filed among the secret archives of the Office, subject to his directions as to the time of issuing them. This was done presumably under section 8 of the act of July 4, 1836 (5 St. 121) which contains the following provision:

And whenever the applicant shall request it, the patent shall take date from the time of the filing of the specification and drawings, not however exceeding six months prior to the actual issuing of the patent; and on like request, and the payment of the duty herein required, by any applicant, his specification and drawings shall be filed in the secret archives of the office until he shall furnish the model and the patent be issued, not exceeding the term of one year, the applicant being entitled to notice of interfering applications.

After the filing of the papers in the secret archives before April 5, 1852, nothing was done either by Woodbridge or the Patent Office for nine years and a half, when on December 31, 1861, Woodbridge wrote to the Commissioner of Patents calling attention to his invention in 1850 and his application for a patent in 1852, the order of the Office to issue the patent and the filing of the papers in the secret archives. He said:

I have allowed it to remain until the present time, it being only lately that any immediate opportunity of rendering it peculiarly available has occurred.

The fourth finding of the Court of Claims was as follows:

The reason of said Woodbridge for his delay in requesting issue of the patent allowed him was, as stated by him in communications to the Patent Office, that he thought that course best fitted to enable him to avail himself of the value of the patent, as by procuring delay in the issue of the patent the wants of the Government might demand the invention before the patent should expire, and that as the invention could be made available only by the necessities and action of the Government, he thought the intent of the law that the inventor should have 14 years' exclusive use of his invention could in no other way be so well attained in the case of this particular invention "as by deferring the issue of the patent to a time when it could be brought into practical use."

In the same letter in which Woodbridge asked the issue of the patent he requested that he be permitted to amend his specifications and claims and broaden them so as to cover the use in a rifle of the sabot or ring without the projections to fit in the grooves of the bore. Within five days the Patent Office replied that the patent would be ordered to issue but that the defects in his specifications could only be cured by a reissue. On January 20th, before a month had elapsed, the Patent Office wrote Woodbridge another letter in answer to his letter of December 31, 1861, in which he was informed that the length of time he had allowed his invention to slumber was a bar to the issue of a patent, that for nearly ten years he had suffered his application to remain locked up not merely beyond the reach of the public but beyond even the cognizance of the Examiners and other officers of the department, that meantime many patents had issued for the same invention and yet his only reason for his delay and silence was that he supposed the invention would not prove remunerative until recently. The application was rejected on the ground of abandonment. On April 15, 1862, Woodbridge appealed to the Board of Examiners in Chief and on July 10, 1862, that board affirmed the action of the Examiner. Nothing was done by Woodbridge after this until July 7, 1871, when he appealed to the Commissioner of Patents. A day was set for the hearing. Woodbridge did not get the notice. Another day was set. The Commissioner had to postpone it, and told Woodbridge he would give him another date. Nothing was done by anybody till January, 1879, when on Woodbridge's application the case was heard and the Commissioner affirmed the decision by the subordinate tribunals that the facts amounted to abandonment. Woodbridge appealed to the Supreme Court of the District, which affirmed the Commissioner on February 28, 1880.

The Court of Claims found that Woodbridge was the first and original inventor of the invention involved in the two claims recited above. It also found that the United States had not used the invention. The latter finding as one of fact is attacked on the ground that the question of infringement is a mixed question of law and fact and that with all the devices used by the United States shown in patents subsequent to Woodbridge, which it is found the United States did use, the question of non-user is really a question of law which should be reviewed here.

The judgment of the Court of Claims was chiefly based on the conclusion of law from the facts found that Woodbridge had forfeited or abandoned his right to a patent by his delay and laches. The court also held that the claims of Woodbridge did not cover the devices the United States used.

[1] The purpose of the clause of the Constitution concerning patents is in terms to promote the progress of science and the useful arts and the plan adopted by Congress in exercise of the power has been to give one who makes a useful discovery or invention a monopoly in the making, use and

vending of it for a limited number of years. Under the act of February 21, 1793 (1 St., sec. 1, 318), it was for 14 years. Under the act of July 4, 1836 (sec. 6, 5 St. 117, 119), it was 14 years, with a right of extension under certain conditions and a proper showing for seven years longer (Idem sec. 18, p. 124). Under the act of March 2, 1861 (sec. 16, 12 St. 246, 249), the term was made 17 years without extension and this has been the term ever since. It was the legislative intention that the term should run from the date of the issue of the patent, and that at the end of that time, the public might derive from the full specifications required in the application accompanying the patent, knowledge sufficient to enable it freely to make and use the invention. It is true that a patentee is not obliged either to make, use or vend his invention during the period of his monopoly. *Crown Co. v. Nye Tool Works*, 261 U. S. 24, 34; 312 O. G. 400; *Continental Paper Bag Co. v. Eastern Paper Bag Co.*, 210 U. S. 405; 136 O. G. 1297. Congress relies for the public benefit to be derived from the invention during the monopoly on the natural motive for gain in the patentee to exploit his invention and to make, use and vend it or its product or to permit others to do so, for profit. The importance in working out the purpose of Congress of keeping the inventor's monopoly within the term for which the patent is granted is thus shown to be capital. Any practice by the inventor and applicant for a patent through which he deliberately and without excuse postpones beyond the date of the actual invention, the beginning of the term of his monopoly, and thus puts off the free public enjoyment of the useful invention, is an evasion of the statute and defeats its benevolent aim.

[2] In this case we have a delay of nine years and a half in securing a patent that might have been had at any time in that period for the asking, and this for the admitted purpose of making the term of the monopoly square with the period when the commercial profit from it would be highest. Not until war or fear of war came was there likely to be a strong demand for rifled cannon and their improvement. Hence, the inventor having put his order for the issue of a patent into the secret archives of the Patent Office in 1852 sat down and waited until after the Civil War came on in 1861 before seeking to avail himself of the patent, thus postponing the time when the public could freely enjoy it for nearly ten years. Meantime other inventors had been at work in the same field and had obtained patents without knowledge of the situation with respect to Woodbridge's invention. This is not a case where evidence has to be weighed as to the purpose of the inventor. He avows his deliberate intention. This is not a case of abandonment. It is a case of forfeiting the right to a patent by designed delay. The special statute makes it a condition of any jurisdiction of the Court of Claims to render a judgment against the United States that the court shall find that claimant had not forfeited his right to a patent by delay or laches or for other reasons. This

necessarily implies that there may be forfeiture by delay or laches, and this Court has said that there may be such a forfeiture. In *Kendall v. Winsor*, 21 How. 322, 329, Mr. Justice Daniel, speaking for the Court, delivered a very clear and forcible opinion on what the inventors who sought patents owed the public. One passage in that opinion is apposite here:

It is [said the justice] the unquestionable right of every inventor to confer gratuitously the benefits of his ingenuity upon the public, and this he may do either by express declaration or by conduct equally significant with language—such, for instance, as an acquiescence with full knowledge in the use of his invention by others; or he may forfeit his rights as an inventor by a wilful or negligent postponement of his claims, or by an attempt to withhold the benefit of his improvement from the public until a similar or the same improvement should have been made and introduced by others.

In the case before us, we have the feature last alluded to. Many inventors were at work in the same field and had made advances in the art and the Government had used them. When Woodbridge conceived that the time for him had come to assert his monopoly, he became aware of the fact that in his specifications and claims, as allowed, he had not covered the real advance made by his unconscious competitors and that was the use in a rifled gun of a ring or sabot without projections to fit into the rifling of the bore which because of the softness of the metal of the ring under the heat and pressure would do so without projections; and so nine and a half years after his patent had been allowed but not issued, he applied for a change of specifications and claims, so that he might cover the patents of these subsequent inventors.

Reference is made to the custom of the Patent Office in 1852 and its permission and acquiescence in the consignment of Woodbridge's specifications and order for issue of his patent to the secret archives, as an excuse and explanation for his course. But this is no justification. By the terms of his letter directing it to be done, he said he wished to apply for foreign patents and that he would not ask delay for more than a year. Moreover, section 8 of the law of 1836, quoted above, wherein is found the only authority for such a proceeding, limits the possible period of the deposit in the secret archives to one year, for the evident purpose of preparing a model. Here the findings show that the model had been filed before the deposit, and also show that he never applied for a foreign patent. These circumstances only emphasize the truth of his avowal of 1862 that he was deliberately delaying the issue of his patent so that its term and monopoly would reach forward to include nearly ten more years of the future and cover a much more commercially lucrative period than if he had obtained his patent when he might and should have requested it. Thus he would have deprived the public of a decade of free use of the patent which the law intended. It is true that under the special law authorizing this action, Woodbridge's representatives could not recover compensation from the Government except for the period of 17 years from 1852. But this feature of the special law is immaterial in considering the jurisdictional question whether by his conduct he

forfeited his right to his patent. That must be decided on the facts as they were between 1862 and 1862. Had he taken out his patent in 1862, he would have been entitled to a term of 14 years with a contingent possibility of an extension for seven years more. With the change of the law in 1861, had he succeeded in his effort on the last day of that year, he would have secured a patent for 17 years from 1862. To state it in another way, his certain term if he had been diligent and not sought to evade the law, would have expired in 1879. Had he succeeded in his illegal plan and procured a patent in 1862, his term would have ended in 1879. Part of this unconscionable postponement of the end of his monopoly was due to the change of law in 1861 but nearly ten years as already said was the result of his deliberate design.

No case cited to us presents exactly these facts, but the general principles upon which this Court has proceeded in cases of abandonment by conduct and its views of the rights of the public and the purpose of the constitutional authority to grant patents and of Congress in its legislative execution of that purpose, set forth in those cases, leave no doubt of the conclusion we must reach. *Pennock v. Dialogue*, 2 Peters 1; *Wyeth v. Stone*, 1 Story 273, 282; *Shaw v. Cooper*, 7 Peters 202; *Kendall v. Winsor*, 21 How. 322, 329; *Planing Machine Co. v. Keith*, 101 U. S. 479, 485; 17 O. G. 1081; *United States Rifle & Cartridge Co. v. Whitney Arms Co.*, 118 U. S. 22, 25; 35 O. G. 873.

Of course the conclusion that patents have been abandoned by conduct in such cases are reached by inference that the delay and other circumstances indicated an intention to give up effort to secure a patent. The circumstances usually relied on to show abandonment are a rejection of an application for a patent by the Patent Office and unexplained delay in prosecuting appeal from one of the several executive tribunals to another provided in the procedure of obtaining a patent. From these intent to abandon is presumed. It is urged that such authorities have no application because intent to abandon can not be inferred from the delay in this case. That is true; but our conclusion rests not on neglect and intention to give up the patent but on a deliberate and unlawful purpose to postpone the term of the patent the inventor always intended to secure.

The case which comes nearer in its facts to this than any other, and is a case of forfeiture rather than abandonment, is that of *Macbeth Evans Glass Co. v. General Electric Company*, 246 Fed. 695; 248 O. G. 501. There an inventor of a process for making glass used it in secret for nearly ten years selling the product. At the end of that time when the secret was betrayed by an employee, the inventor applied for a patent. It was held by the Circuit Court of Appeals of the Sixth Circuit in a most satisfactory opinion by Judge Warrington, that the policy of the patent law to secure to the public the full benefit of inventions after expiration of the fixed term deemed sufficient reasonably to stimulate invention, would be defeated if an inventor

could withhold his invention from the public for an indefinite time for his own profit, and that the right to preserve a monopoly in an invention by keeping it a trade secret and the right to secure its protection under the patent laws were inconsistent and could not both be exercised by an inventor. The gist of the reason for the conclusion there was the same as here, that the purpose and result of the conduct of the inventor were unduly to postpone the time when the public could enjoy the free use of the invention.

Mr. Justice Clifford, in *Hates v. Coe*, 38 U. S. 21; 13 O. G. 337, when considering the validity of a reissued patent, used these words (p. 46):

Inventors may, if they can, keep their invention secret; and if they do for any length of time, they do not forfeit their right to apply for a patent, unless another in the meantime has made the invention, and secured by patent the exclusive rights to make, use, and vend the patented improvement. Within that rule and subject to that condition, inventors may delay to apply for a patent.

And in *Parks v. Booth*, 102 U. S. 98, 100; 17 O. G. 1080, the same Justice said:

Unless inventors keep their inventions secret, they are required to be vigilant in securing patents for their protection.

These remarks were not necessary to the conclusion in the case he was describing, and those in *Hates v. Coe* have given some concern to judges having to consider actual cases of deliberate delay. Chief Justice Alvey of the Court of Appeals of the District said of them (*In re Appeal of Munce*, 15 App. D. C. 144, 152, 153; 88 O. G. 101):

This, doubtless is a correct general proposition; but, like all general propositions, it may have its exceptions under special and particular circumstances, even where the intervening rights of third parties have not been secured by patent.

The patent laws are founded in a large public policy to promote the progress of science and the useful arts. The public, therefore, is a most material party to, and should be duly considered in, every application for a patent, securing to the individual a monopoly for a limited time, in consideration for the exercise of his genius and skill. But the arts and sciences will certainly not be promoted by giving encouragement to inventors to withhold and conceal their inventions for an indefinite time, or to a time when they may use and apply their inventions to their own exclusive advantage, irrespective of the public benefit, and certainly not if the inventor is allowed to conceal his invention to be brought forward in some after time to thwart and defeat a more diligent and active inventor who has placed the benefit of his invention within the reach and knowledge of the public.

Judge Warrington, in the *Macbeth-Evans* case, *supra*, refers to the same remarks (246 Fed. 705) as follows:

We therefore can not think that the rule laid down in *Pennock v. Dialogue* and *Kendall v. Winsor* was intended to be qualified by the remarks of Mr. Justice Clifford in *Hates v. Coe*. We are confirmed in this by the reference made in *Hates v. Coe* to the decision in *Pennock v. Dialogue* and to the effect of the legislation enacted since, and particularly by the view expressed by the same Justice while sitting on the circuit in *Jones v. Seiffert*, 3 Cliff. 563, 562, 563—Fed. Cas. No. 7,405 where, in distinguishing between the intent to be inferred from experimental practice of an invention and practice for gain, he said:

Such an inference (of intention to surrender the invention to the public) is never favored, nor will it in general be sufficient to prove such a defense, unless it appears that the use, exercise, or practice of the invention was somewhat extensive, and for the purpose of gain, evincing an intent on the part of the inventor to secure the exclusive benefits of his invention without applying for the protection of letters patent.

We concur in these explanations and qualifications of Mr. Justice Clifford's general remarks in *Coe v. Hates* and for the reasons given. They certainly should not be construed to militate against our conclusion in this case and the reasons upon which it is founded.

Counsel for the appellant relies chiefly on the cases of *Smith v. Goodyear Dental Vulcanite Company*, 93 U. S. 486; 11 O. G. 246; *Colgate v. Western Union Telegraph Co.*, 6 Fed. Cases 85; 14 O. G. 943, and *United States v. American Bell Telephone Co. et al.*, 167 U. S. 224; 79 O. G. 1362, known as the Berliner case. The first two cases have no bearing on this case. In them, the Court found as a fact that the delays of the inventor in prosecuting his claims in the Patent Office after rejection were not due to an intention to abandon but to his necessities circumstances. In the Berliner case there was also a question of fact but a different one. The Government charged in that case, as it is charged here, that the Telephone Company, the owner of the invention, deliberately delayed proceedings in the Patent Office for 13 years in order that when its main Bell patent expired, the patent for the indispensable Berliner device might overlap and continue the monopoly as a whole. A reading of Mr. Justice Brewer's opinion in that case shows that the attention of the Court was chiefly directed to the issue whether as a fact the delay was due to the design of the owner of the invention or to circumstances over which it had no control, including the rules of the Patent Office, the delays of the Examiners, and the peculiar situation as to applications for patents in that active field of invention. The Court found this issue against the Government and in favor of the patentee whose patent the Government was attempting to cancel for this fraud and could only cancel by clear and convincing proof. In the case at bar the design of the inventor is disclosed by his own avowal and his plan of nonaction was not in accord with the rules of procedure in the Patent Office but was in plain violation of the statutory law.

The conclusion that Woodbridge forfeited his right to a patent by his delay in taking it from 1852 to 1862 makes it unnecessary for us to consider whether he abandoned it by his wholly unexplained delay of nine more years in prosecuting his appeal from the decision of the Board of Examiners in July, 1862, to the Commissioner of Patents until January, 1871. It also relieves us from going into the question whether the Government's use of subsequent patents for improvements in adjusting projectiles for firing from cannon embraced the invention of Woodbridge as contained in his specifications and claims allowed in 1852.

The judgment of the Court of Claims dismissing the petition is affirmed.

Court of Appeals of the District of Columbia.

ORANGE CRUSH COMPANY v. CALIFORNIA CRUSHED FRUIT COMPANY.

No. 1531. Decided April 7, 1924.

1. TRADE-MARKS—DESCRIPTIVE AND MERELY SUGGESTIVE MARKS.

Marks which are descriptive are not susceptible of exclusive appropriation under the Trade-Mark Act of 1905, while those which are merely suggestive may be.

2. SAME—"ORANGE CRUSH"—SUGGESTIVE MARK.

"Orange Crush" as applied to a beverage is suggestive, but not descriptive.

3. SAME—FALSE OR MISLEADING STATEMENTS—TRADE SECRETS.

The law does not permit the making of false or misleading statements; but it does not require the disclosure of trade secrets by the user of a mark.

4. SAME—SECONDARY MEANING.

Where a mark has acquired a secondary meaning, it will be protected irrespective of any original weakness.

Mr. Henry B. Floyd for Orange Crush Co.

Mr. A. V. Cushman and Mr. Jno. J. Darby for California Crushed Fruit Co.

Before ROBB and VAN ORSDER, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, J.:

Appellant, alleging that it had built up a very extensive trade in the beverages Orange Crush and Lemon Crush, prior to the adoption by appellee of the mark "Sunecrush," instituted an opposition proceeding against the registration of the latter term. The tribunals of the Patent Office, while ruling that the marks were applied to goods of the same descriptive properties, dismissed the opposition, the ground of the Assistant Commissioner's decision being that orange crush and lemon crush are aptly descriptive.

Appellee, in its petition for registration, states that its mark is used on "non-alcoholic beverages made from citrous fruits in Class 45, Beverages non-alcoholic," and that this use has been continuous since September 20, 1920. We therefore will first determine the signification of "crush" at the time of its adoption by appellant.

From the lexicographers we learn that the verb crush means to press down or together, so as to force out of shape; to crush violently; bruise; mash; as, to crush a hat by sitting on it; to break into bits by pressure; comminute; as, to crush quartz. The meaning of the noun is a violent colliding pressure of two or more bodies; also, the general breaking, bruising, or deforming caused by such pressure. The pressing or crowding together of any objects or persons; especially, the pressure of a crowd, as at a public gathering; also, the crowd itself; a jam. See Standard Dictionary, and *U. S. v. Graser-Rothe*, 164 Fed. 205.

It is in evidence that prior to appellant's application of the term to a beverage, crushed fruits, such as crushed strawberries, raspberries and the like, were well known, but they were regarded by the public as foods and so classed by the Patent Office. Moreover, this understanding and classification was in harmony with the inherent signification of the term; that is to say, crushed fruit meant to the public a comminuted fruit. The evidence leaves no room for doubt that the term never had been applied to a beverage.

[1] The Trade-Mark Act prohibits the registration of a mark which consists—

merely in words or devices which are descriptive of the goods with which they are used or of the character or quality of such goods.

In this provision Congress evidently intended to draw a distinction between descriptive and merely suggestive marks. Marks of the former character,

as we many times have declared, are not susceptible of exclusive appropriation, while those of the latter class may be. The difficulty is not so much in the statement of the rule as in its application to the facts of a particular case.

[2, 3, 4] In the case under consideration, while orange crush, as applied to a beverage, was suggestive, it certainly was not descriptive. A person of average intelligence would not understand, when buying an orange-crush drink, that he was getting a crushed orange. But, irrespective of the original signification of this mark, we are convinced that long prior to the date of adoption by appellee of its mark, orange crush and lemon crush had acquired a secondary meaning, in that they had become associated in the public mind with appellant's products and had come to indicate clearly to the public the beverages of appellant. The evidence so clearly points to this conclusion that extended discussion is unnecessary, for in 1920 appellant's products were sold throughout the United States, hundreds of thousands of dollars had been expended in advertising, and retail sales had run into millions. Regardless of the question whether appellant's original advertising was sufficiently explicit, it is clear that, at a time prior to appellee's entry into the field, appellant's labels and advertising matter informed the public of the ingredients of the drinks to which the marks were applied. For example, the orange-crush labels contained the following:

A compound prepared from oil of orange, orange juice, citric acid and purest sugar sirup. Colored with harmless food colors.

While the exact proportions of those ingredients are not given, neither are those of appellee. The law does not permit the making of false or misleading statements, *Fed. Trade Com. v. Winsted Co.*, 258 U. S. 483, but on the other hand it does not require the disclosure of trade secrets by the user of a mark. It may be assumed, from the extensive sales made by appellant without molestation from the Government, that its product is neither deleterious nor misbranded, within the meaning of the Food and Drugs Act. Where a mark has acquired a secondary meaning, it will be protected, irrespective of any original weakness. *Coca Cola v. Koke Co.*, 254 U. S. 143; *Holeproof Hosiery Co. v. Wallach Bros.*, 172 Fed. 859.

Here the Patent Office has found, and in that finding we concur, that the marks of the two parties are applied to goods of the same descriptive qualities, within the meaning of the Trade-Mark Act. The evidence clearly indicates that the concurrent use of "Suncrush" by appellee has resulted in confusion in the mind of the public; but, aside from the evidence, we think it clear that confusion would be the inevitable result of such use. This is the familiar case in which one party, after the mark of another has become widely known, has attempted to appropriate the other's good will, which the law forbids. The opposition therefore should have been sustained, and accordingly the decision is reversed.

Reversed.

IN RE SHAFFER.

No. 1,549. Decided April 7, 1924.

INVENTION—CARRYING FORWARD OF OLD IDEA.

Where it was old to provide slip sockets with slips or tubes having internal gripping surfaces large enough to slip over and engage the ends of broken sucker rods of different diameters located in well tubes for the purpose of recovering the sucker rods. Held that it was a mere carrying forward of the same idea to make the slip socket and slip big enough to slip over and grip a coupling on the sucker rod.

Mr. C. E. Brock for Shaffer.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEN, Associate Justices.

ROBB, J.:

Appeal from a decision of the Patent Office disallowing four claims for a patent. The device involved comprises a slip socket designed to recover broken sucker rods from well tubing. The sucker rods are about 25 feet in length and joined together in a long chain, and thus are used to reciprocate the pumping piston in the well tubing. Because of vibration and strain, these rods frequently break, either along the shank at a distance from the screw socket or close to the coupling. The coupling itself may separate, leaving the screw-threaded pin projecting. It was to recover the lower part of the chain or sucker rods that applicant's device was constructed.

The claims were rejected on the patent to Stewart (No. 1,123,615). In his specification, after stating the various elements of his combination, applicant says:

This combination, in itself, is old and I make no claim to it except as it is affected by the improvements, residing principally in the barrel and slips, which my invention imports into it.

In other words, applicant's device is substantially the same as that disclosed by Stewart, except that the opening in the lower end of the slips is larger than the Stewart opening, thus making it possible to grip a coupling as well as a pin or a shank of a rod.

The Examiner, after pointing out the only difference in the two devices, said that all Stewart needed to do was to—make the sucker rods and couplings smaller or the barrel and slips larger, and that this change was so obvious as not to involve invention.

The Examiners in Chief directed attention to the Stewart specification, in which he states that the object of his invention—

is to provide slips which will catch rods or other articles of different diameters without requiring the slips to be exchanged for others of different size.

The board then concluded that it would occur to any one skilled in the art, after reading this specification, either to enlarge the opening in the barrel of the Stewart device or the opening formed by the slips; in other words, that, given the combination of Stewart and his object, one skilled in the art would do exactly what applicant has done.

On appeal the Assistant Commissioner, after analyzing the Stewart specification, said:

There is, therefore, a clear suggestion that Stewart contemplated using the same slips to engage rods, or parts of rods of different diameters. He did not make the open-

ing in the barrel and in the slips large enough to embrace the coupling. Appellant has made this change, so that not only may the rod or the pin of a broken coupling be engaged, but if the break occurs close to the coupling the slip socket will pass over the coupling so the slips may engage it. Stewart having taught that the slip socket may be large enough to engage different sized rods or a rod or pin, it was but a mere carrying forward of the same idea to make the slip socket big enough to engage a third and larger part of the rod—that at the coupling. The devices of the application and of the patent are mechanically identical. Any one seeing the Stewart device, reading the specification describing it and understanding the nature of the use to which it is put, would readily understand the advantage of making the opening large enough to catch a portion of the rod which was of the diameter of the coupling.

We are constrained to adopt the views of the Patent Office tribunals. See *in re Pruden*, 50 App. D. C. 398; 273 Fed. 362; 288 O. G. 206, and *Railroad Supply Co. v. Elyria Iron Co.*, 244 U. S. 285; 239 O. G. 656. In the case last cited it was held that the mere carrying forward of the original thought by a change only in form, proportion or degree, that is, by substantially the same means but with better results, is not invention.

It results that the decision is affirmed.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

708,780, 858,206, C. A. Parsons, Steam turbine; 712,713, same, Propulsion of steam vessels; 769,272, same, Marine steam turbine; 790,744, same, Packing of rotating shafts; 809,319, same, Turbine, rotary compressor, and the like; 997,635, same, Gearing for turbines; 1,248,154, same, Power-transmitting mechanism; 972,926, M. Roellig, Marine propulsion by steam turbine, suit filed July 9, 1924, Court of Claims, Doc. D 503, *C. A. Parsons et al. v. The United States*.

712,713. (See 708,780.)

769,272. (See 708,780.)

790,744. (See 708,780.)

835,744, G. W. Beldam, Engine or machine packing, suit filed Jan. 20, 1922, D. C., S. D. N. Y., Doc. E 23/54, *G. W. Beldam v. Stewart Dickson & Co., Inc.* Interlocutory decree sustaining patent and adjudging infringement, filed Sept. 16, 1924.

858,206. (See 708,780.)

864,314, J. A. Le Roy, Independent framing device for kinoscopes, suit filed Aug. 21, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4229, *J. A. Le Roy v. The De Vry Corp. et al.*

879,532, L. de Forest, Space telegraphy, suit filed July 8, 1924, D. C., S. D. N. Y., Doc. E 29/360, *Radio Corp. of America et al. v. W. Heller (Conne- way Electric Laboratories)*. Interlocutory decree sustaining patent, adjudging infringement, and granting injunction filed Sept. 18, 1924.

809,319. (See 708,780.)

972,926. (See 708,780.)

997,635. (See 708,780.)

1,156,278, J. M. Dove, Vacuum horseshoe, suit filed Aug. 12, 1924, D. C., N. D. Ill. (E. Div.) Doc. 4221, *Dryden Rubber Co. v. Fruin Drop Forge Co.*

1,165,392, 1,255,864, J. W. Crowley, Jr., Clutch, suit filed Aug. 26, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4239, *J. W. Crowley, Jr., v. Superior Machine Co. et al.*

1,228,219, J. Komorous, Structure comprising disks covered with flexible material; 1,294,810, same, Bank, suit filed Aug. 8, 1924, D. C., N. D. Ill. (E. Div.) Doc. 4217, *Parisian Novelty Co. v. Cruver Mfg. Co.*

1,248,154. (See 708,780.)

1,255,864. (See 1,165,392.)

1,294,810. (See 1,228,219.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, F. D. Winkley, Lubricating system, suit filed July 18, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4180, *The Bassick Mfg. Co. v. G. Benario et al.* Same, suits filed Aug. 19, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4224, *The Bassick Mfg. Co. v. H. A. Wronker*. Same, Doc. 4225, *The Bassick Mfg. Co. v. Continental Tire Corp.* Same, Doc. 4226, *The Bassick Mfg. Co. v. W. Pearlman*. Same, suit filed Aug. 23, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4236, *The Bassick Mfg. Co. v. Midwest Machinery Products Co. et al.* Same, suits filed Aug. 28, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4242, *The Bassick Mfg. Co. v. Walsh Tire Co.* Same, Doc. 4243, *The Bassick Mfg. Co. v. L. Poncher et al.* Same, Doc. 4244, *The Bassick Mfg. Co. v. H. Marcus et al.* Same, Doc. 4245, *The Bassick Mfg. Co. v. H. E. Jaffe (Illinois Accessories Co.)*.

1,307,734. (See 1,307,733.)

1,399,174, D. D. Wessels, Molded receptacle, suit filed Aug. 26, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4238, *D. D. Wessels v. Chicago Granite Mfg. Co.*

1,486,746, J. Heisel, Power press, suit filed Aug. 20, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4228, *The Cincinnati Galvanizing Co. v. Marquette Tool & Mfg. Co.*

Re. 14,458, B. C. Ames, Unbreakable concavo-convex compression crystal, suit filed Aug. 4, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4216, *The E. Ingham Co. v. United States Gauge Co.*

Re. 14,667. (See 1,307,733.)

Des. 60,878, Pardce, Dewire & Suporter, Radlator cap, suit filed Aug. 30, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4248, *Müller & Pardce, Inc., v. The Graynie Corp. et al.*

Notices of Cancellation.

U. S. PATENT OFFICE, Washington, Oct. 1, 1924.
The K-O Shoe Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Dunlap & Co., 431 Fifth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of The Alter & McCaffrey Co., of Cincinnati, Ohio, No. 42,288, dated March 29, 1904. The Office records show that the legal title of the above trade-mark registration remains in The K-O Shoe Company, as said registration was never properly assigned by it. The K-O Shoe Company having gone out of business and the Office not being able to secure service upon said company, notice is hereby given that unless The K-O Shoe Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first

publication of this order the interference will be proceeded with as in case of default. The notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 1, 1924.

The K-O Shoe Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Dunlap & Co., 431 Fifth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of The Alter & McCaffrey Co., of Cincinnati, Ohio, No. 57,347, dated November 13, 1906. The Office records show that the legal title of the above trade-mark registration remains in The K-O Shoe Company, as said registration was never properly assigned by it. The K-O Shoe Company having gone out of business and the Office not being able to secure service upon said company, notice is hereby given that unless The K-O Shoe Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. The notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 17, 1924.

Nachem Jakobs, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Genuine Haarlem Oil Manufacturing Co., of 116 Beckman Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Nachem Jakobs, 54 Netherlands Haarlem Oil Manufacturing Co., 708 Harrison Building, Philadelphia, Pa., No. 173,325, dated September 25, 1923, and the notice of such proceeding sent by registered mail to the said Nachem Jakobs at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Nachem Jakobs, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Disclaimers.

1,380,465.—John R. Gammeter, Akron, Ohio. TIRE-VULCANIZING METHOD AND APPARATUS. Patent dated August 2, 1921. Disclaimer filed October 8, 1924, by the assignee, The B. F. Goodrich Company.

Hereby enters this disclaimer to the subject matter of the following claims of said patent, to wit:

"1. The method of vulcanizing pneumatic tires which comprises the steps of heating and partially vulcanizing the tire from the inside while preventing the blowing of the rubber by applying pressure to the outer surface of the tire, and then heating the tire from the outer side to further vulcanize it.

"2. The method of vulcanizing pneumatic tires which comprises the steps of heating and partially vulcanizing the tire from the inside only while the tread portion is free from mold pressure, and subsequently applying mold pressure to said tread portion."

"4. The method of vulcanizing pneumatic tires which comprises introducing a heating fluid into the space within the tire while preventing blowing of the rubber by applying a fluid under pressure to the outer surface of the tire."

1,387,381.—John R. Gammeter, Akron, Ohio. TIRE-VULCANIZING METHOD AND APPARATUS. Patent dated August 9, 1921. Disclaimer filed October 8, 1924, by the assignee, The B. F. Goodrich Company.

Hereby enters this disclaimer to the subject matter of the following claims of said patent, to wit:

"1. The method of vulcanizing pneumatic tires which comprises applying heat to the inner surface of a tire whose outer surface is exposed, and applying a cooling fluid to the outer surface of the tire.

"2. The method of vulcanizing pneumatic tires which comprises applying heat without pressure to the inner surface of a tire whose tread portion is exposed, and applying a cooling fluid to said tread portion of the tire.

"3. The method of vulcanizing pneumatic tires which comprises applying heat without pressure to the inner surface of a tire whose tread portion is exposed, and applying compressed air to said tread portion of the tire."

"9. Apparatus for vulcanizing pneumatic tires comprising means for supporting a tire in a substantially upright position, means for injecting steam into the space within

said tire at a high part thereof, means for applying a different fluid pressure to the outer surface of said tire and means for removing water of condensation from the lowermost part thereof.

"10. Apparatus for vulcanizing pneumatic tires comprising means for supporting a tire in a non-horizontal position, means for injecting steam into the space within said tire at a high part thereof, means for removing water of condensation from the lowermost part thereof, and means for applying a different fluid pressure to the outer surface of said tire."

Changes in Classification.

Order No. 2,882, October 2, 1924, provides:

In class 153, Liquid and Gaseous Fuel Burners (Division 19), establish the following subclasses and definitions, the patents contained in these subclasses having been taken for the most part from other subclasses in class 153, particularly subclass 36, Burners, Liquid fuel, Fuel feeding, and from various subclasses in class 67, Illuminating Burners:

Burners

Liquid fuel

Fuel feeding

36.1

Vacuum

36.2

Snap action.

36.3

Pumps

36.4

Engine operated.

36.5

Air pressure.

36.6

Gravity.

42.1

Automatic cut-off

42.2

Air pressure.

42.3

Overflow.

42.4

Thermostatic.

36.1. BURNERS, LIQUID FUEL, FUEL FEEDING, VACUUM. Devices in which the force which feeds the fuel to the burner is obtained by the production of a vacuum, and which do not fall under the specific subclasses defined below.

36.2. BURNERS, LIQUID FUEL, FUEL FEEDING, VACUUM, SNAP ACTION. Vacuum-operated feeding devices in which one or more of the valves involved is operated by snap action.

36.3. BURNERS, LIQUID FUEL, FUEL FEEDING, PUMPS. Devices which feed the fuel by means of a pump.

Note.—Patents for the pump per se if of general application will be found in class 103, Pumps.

36.4. BURNERS, LIQUID FUEL, FUEL FEEDING, PUMPS, ENGINE OPERATED. Devices of the type indicated in which the pump is operated by the engine to which fuel is supplied.

36.5. BURNERS, LIQUID FUEL, FUEL FEEDING, AIR PRESSURE. Devices which feed the fuel by air pressure.

36.6. BURNERS, LIQUID FUEL, FUEL FEEDING, GRAVITY. Devices which feed the fuel by the action of gravity.

42.1. BURNERS, LIQUID FUEL, FUEL FEEDING, AUTOMATIC CUT-OFF. Devices in which the liquid-fuel feed is cut off automatically, not falling under specific subclasses defined below.

42.2. BURNERS, LIQUID FUEL, FUEL FEEDING, AUTOMATIC CUT-OFF, AIR PRESSURE. Devices in which the combustion air is fed under pressure and the liquid-fuel feed is cut off automatically on the failure of said pressure.

42.3. BURNERS, LIQUID FUEL, FUEL FEEDING, AUTOMATIC CUT-OFF, OVERFLOW. Devices in which the liquid-fuel feed is cut off automatically when the fuel accumulates owing to its not being consumed.

42.4. BURNERS, LIQUID FUEL, FUEL FEEDING, AUTOMATIC CUT-OFF, THERMOSTATIC. Devices in which the liquid-fuel feed is cut off by a thermostat operated by the heat of the burner or the heat adjacent thereto.

Changes in Classification.

Order No. 2,883, October 2, 1924, provides:

In class 260, Chemistry, Carbon Compounds (Division 6), abolish the following subclass with its definition, the patents formerly contained therein having been placed for the most part in class 23, Chemistry, subclass 139, Compounds, Acids and acid anhydrides:

Nitro compounds

Aliphatic

Carbohydrates

Fortifying acids.

147

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 28, 1924.

[Vol. 327. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 166,763. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa., now by change of name The Barber Asphalt Company, a Corporation of West Virginia. Filed July 12, 1922.



The words "The Standard of Excellence" and "Withstand the Test of Time" are disclaimed as trade-marks, except as used in conjunction with the mark shown in the drawing.

Particular description of goods.—Roofing Felt, Roofing Cement, Bituminous Roll Roofing, Built-Up Roofing, Shingles, Asphalt-Saturated Felt, Peabody Felt, Bituminous Insulating Paper, Bituminous Wall Lining, Pipe-Joint Cement, Waterproofing Asphalts, Bituminous Waterproofing Felts and Fabrics, Tile Cement, Mastic, Bituminous Stringed Felt, Red Sheathing and Other Building Papers, Bituminous Compounds for Heat Insulation, Bituminous Waterproofing Cement, Bituminous Roofing, Bituminous Roofing Cement, Asphalt Paving Compounds, Bituminous Paving Cements, Bituminous Paving Mixtures, Bituminous Wearing Surface for Pavements, Asphalt Sheet Pavements, Asphalt Macadam Pavements, Bituminous Block Fillers, and Fiberglass Asphalt.

Claims use since Aug. 1, 1921.

Ser. No. 167,141. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed July 20, 1922.

Perfecta

Particular description of goods.—Hair Nets. Claims use since Jan. 1, 1911.

Ser. No. 167,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENNA ZENDA DENNY, New York, N. Y. Filed July 24, 1922.

Zenda

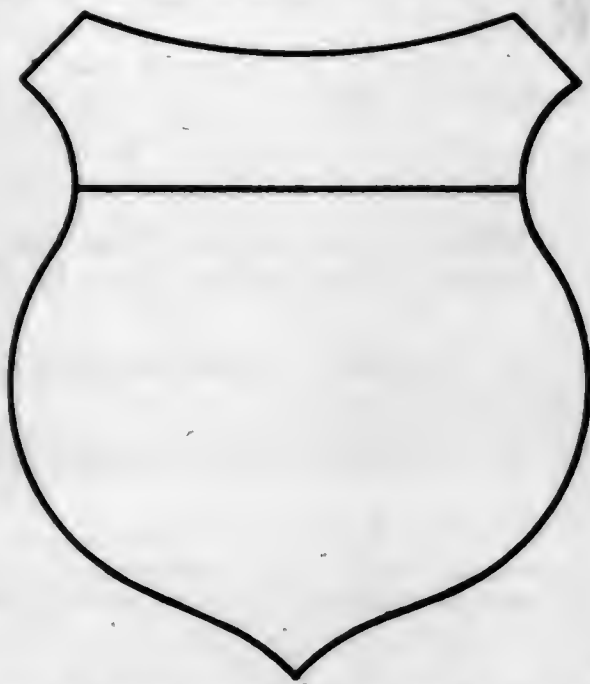
Particular description of goods.—Face Creams. Claims use since about Jan. 1, 1920.

Ser. No. 170,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUY W. WACHSTETTER, Indianapolis, Ind. Filed Oct. 6, 1922.

BINGO

Particular description of goods.—Sweetened Pop Corn. Claims use since Aug. 15, 1922.

Ser. No. 175,173. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Jan. 26, 1923.



Particular description of goods.—Fly Swatters, Implements for Killing and Disabling Insects, Flies, and the Like.

Claims use since about Jan. 1, 1921.

Ser. No. 176,034. (CLASS 39. CLOTHING.) PINE TREE SHIRT CO., New York, N. Y. Filed Feb. 14, 1923.



Particular description of goods.—Dress and Negligee Shirts and Pyjamas.

Claims use since Aug. 1, 1922.

Ser. No. 176,372. (CLASS 38. PRINTS AND PUBLICATIONS.) TRUSTEES OF THE PRINCIPIA, St. Louis, Mo. Filed Feb. 20, 1923.

The Principia

Particular description of goods.—Printed Periodical Publications.

Claims use since 1898.

Ser. No. 176,859. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE "SENTINEL" WAGON WORKS (1920) LIMITED, London, England. Filed Mar. 2, 1923.

SUPER-SENTINEL

Particular description of goods.—Road Vehicles for Passengers and Freight, Propelled by Steam-Operated Motors Thereon, and Railway Passenger and Freight Cars Propelled by Steam-Operated Motors Thereon.

Claims use since Oct. 1, 1922.

Ser. No. 178,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Filed Mar. 31, 1923.

ENCORE

Particular description of goods.—Canned Red Peppers of Pimiento Type.

Claims use since Jan. 10, 1923.

Ser. No. 178,438. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SON NECKWEAR COMPANY, INC., New York, N. Y. Filed Apr. 2, 1923.

King Tut Bows

Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.

Claims use since February, 1923.

Ser. No. 178,718. (CLASS 2. RECEPTACLES.) ESKIMO PIE CORPORATION, Chicago, Ill. Filed Apr. 7, 1923.



Particular description of goods.—Paper Wrappers.

Claims use since Oct. 1, 1921.

Ser. No. 178,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEYER & ADAMS COMPANY, Little Rock, Ark. Filed Apr. 11, 1923.

WONDER STATE

Particular description of goods.—Canned Fruits, Canned Vegetables, Minced Meat, Canned Kraut, Canned Hominy, and Vinegar.

Claims use since Aug. 10, 1922.

Ser. No. 179,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGIA L. RUSHTON, Seattle, Wash. Filed Apr. 12, 1923.

The Dantry

Particular description of goods.—Pies, Cakes, and Doughnuts.

Claims use since Mar. 1, 1922.

Ser. No. 179,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARROWAY, Chicago, Ill. Filed Apr. 19, 1923.



Particular description of goods.—Face Powder, Cold Cream, Hair Pomade, Brilliantine, Toilet Water, Perfume, Hair Tonic, Smoothing Oil for Making the Hair Lie Flat, Talcum Powder, Hair Grower in the Form of a Liquid to be Applied to the Scalp, Hair Beautifier in the Form of a Thick Liquid for Imparting Glossiness to the Hair, Pressing Oil, Scalp Stimulator in the Form of a Liquid to be Applied to the Scalp to Remove Dandruff, Hair Velvet Cream for Men Comprising a Thick Liquid for Imparting Glossiness to the Hair and Making It Lie Flat, Hair Luster Comprising a Liquid to be Applied to the Hair for Imparting Glossiness Thereto, Skin Beautifier Comprising a Combined Cream, Powder, and Rouge.

Claims use since Feb. 15, 1923.

Ser. No. 180,745. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE BREWER-TITCHENER CORPORATION, Cortland, N. Y. Filed May 17, 1923.

AJAX

Particular description of goods.—Shock Absorbers, Luggage Carriers, and Slat Irons.

Claims use since Apr. 24, 1922.

Ser. No. 180,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FEDERAL PACKING COMPANY, Cleveland, Ohio. Filed May 19, 1923.

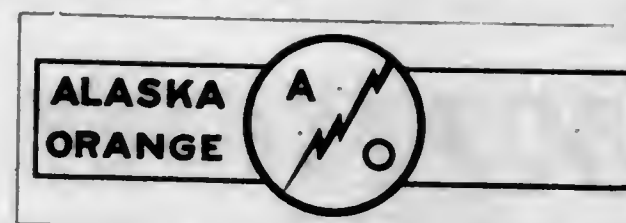


No claim is made to "Cleveland, O." apart from the mark which appears on the drawing.

Particular description of goods.—Beef, Mutton, Lamb, Veal, Boiled Ham, Spiced Ham, Bologna and Other Kinds of Sausage; and Smoked Meats—Namely, Smoked Butts, Bacon, and Hams—Lard, Tallow, Digestor Tankage, and Casings.

Claims use since Nov. 1, 1922.

Ser. No. 181,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT G. MAYES, San Mateo, Calif. Filed June 7, 1923.



The word "Orange" is disclaimed.

Particular description of goods.—Prepared Oranges in Their Natural State.

Claims use since Aug. 1, 1922.

Ser. No. 183,012. (CLASS 37. PAPER AND STATIONERY.) UNIVERSAL OFFICE DEVICES CO., Chicago, Ill., assignor to Defiance Sales Corporation, New York, N. Y., a Corporation of New York. Filed July 9, 1923.



Applicant disclaims, without waiving its common-law rights to same, the words "Calendar Pad" and the illustration of said pad apart from the mark as shown in the drawing.

Particular description of goods.—Memorandum and Calendar Pads and Stands or Holders Therefor.

Claims use since Apr. 15, 1922.

Ser. No. 183,070. (CLASS 31. FILTERS AND REFRIGERATORS.) THE HIBBARD COMPANY, Cleveland, Ohio. Filed July 11, 1923.



Particular description of goods.—Ice Machines and Refrigerators.

Claims use since Feb. 1, 1923.

Ser. No. 183,473. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FRANKLIN RAILWAY SUPPLY COMPANY, New York, N. Y. Filed July 20, 1923.

BUTTERFLY

Particular description of goods.—Fire Doors.
Claims use since May 21, 1923.

Ser. No. 183,567. (CLASS 39. CLOTHING.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 23, 1923.

SHUR FOOT

Particular description of goods.—Heels of Rubber, Fabric, or Combinations Thereof for Attachment to Boots and Shoes.
Claims use since January, 1908.

Ser. No. 184,028. (CLASS 2. RECEPTACLES.) HENRY J. GRIEST, doing business as Handy Mfg. Co., Chester, Pa. Filed Aug. 3, 1923.

KRYSTAL-KLEAN

Particular description of goods.—Soap Receptacles.
Claims use since Apr. 1, 1922.

Ser. No. 184,134. (CLASS 39. CLOTHING.) EDWARD L. ILSON, New York, N. Y. Filed Aug. 6, 1923.



Particular description of goods.—Men's and Boys' Outer Suits, Coats, and Pants; Women's and Children's Coats, Suits, and Dresses; Women's Hats, Caps, and Scarfs; Socks and Stockings; Men's, Women's, and Children's Knitted Underwear Comprising Shirts, Drawers, Walsts, Union Suits; Sweaters; Infants' Coats, Dresses, Bands, Vests; Women's and Girls' Walsts; Men's and Boys' Shirts.

Claims use since June, 1922.

Ser. No. 184,976. (CLASS 2. RECEPTACLES.) G. B. LEWIS COMPANY, Watertown, Wis. Filed Aug. 25, 1923.

"HONEY-WARE"

Particular description of goods.—Pails.
Claims use since July 15, 1923.

Ser. No. 185,304. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERRELL-SOULE COMPANY, Syracuse, N. Y. Filed Sept. 4, 1923.

Yo-Ho

The drawing is lined for red.
Particular description of goods.—Mince meat.
Claims use since Aug. 3, 1923.

Ser. No. 185,374. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL MILL & LUMBER COMPANY, San Francisco, Calif. Filed Sept. 6, 1923.



FOR LINING WALLS & CEILINGS

Applicant makes no claim to the exclusive use of the representation of the goods and of all wording except the word "Pacific" except in the connection shown.
Particular description of goods.—Five-Ply Wall Board.
Claims use since Mar. 1, 1923.

Ser. No. 185,379. (CLASS 39. CLOTHING.) RAYMOND M. PRINCE, Carbondale, Ill. Filed Sept. 6, 1923.

Prince

Particular description of goods.—Men's and Ladies' Suits and Coats.
Claims use since Jan. 5, 1911.

Ser. No. 185,711. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS HUBBARD AND COMPANY, Charleston, W. Va. Filed Sept. 12, 1923.

Jvydale

Particular description of goods.—Coffee and Peanuts.
Claims use since Mar. 1, 1923.

Ser. No. 186,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 6, 1923.

GIBRALTAR

Particular description of goods.—Canned Fruits, Canned Vegetables, and Dried Fruits.
Claims use since 1908.

Ser. No. 186,882. (CLASS 37. PAPER AND STATIONERY.) THE DIEM & WING PAPER CO., Cincinnati, Ohio. Filed Oct. 12, 1923.

No. 1 PEARL FIBRE

No claim is made to "No. 1" and "Fibre" except in connection with the balance of the mark.
Particular description of goods.—Wrapping Paper.
Claims use since January, 1912.

Ser. No. 187,077. (CLASS 37. PAPER AND STATIONERY.) ARKWEIGHT FINISHING COMPANY, Providence, R. I. Filed Oct. 17, 1923.



Particular description of goods.—Tracing Cloth.
Claims use since July 2, 1923.

Ser. No. 187,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPITOL CHEMICAL CO., Montpelier, Vt. Filed Oct. 22, 1923.



No claim is made to the word "Brand."
Particular description of goods.—Food-Flavoring Extracts.
Claims use since Apr. 23, 1923.

Ser. No. 187,998. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CONTINENTAL SCALE WORKS, Chicago, Ill. Filed Nov. 5, 1923.



Particular description of goods.—Weighing Scales.
Claims use since Oct. 15, 1923.

327 O. G.—46

Ser. No. 188,612. (CLASS 2. RECEPTACLES.) ROPE PAPER SACK MFGRS. ASSN., Providence, R. I. Filed Nov. 20, 1923.

ROPAX

Particular description of goods.—Sacks, Bags, Merchandise Envelopes, Cartons, and Tubes Made from Manila Rope Paper.
Claims use since Nov. 5, 1923.

Ser. No. 188,933. (CLASS 2. RECEPTACLES.) ROPE PAPER SACK MFGRS. ASSN., Providence, R. I. Filed Nov. 26, 1923.

ROPAX

Particular description of goods.—Sacks, Bags, Merchandise Envelopes, Cartons, and Tubes Made from Manila Rope Paper.
Claims use since Nov. 5, 1923.

Ser. No. 189,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT L. CHALLENGER, doing business as Challenger Products Company, Kingston, Pa. Filed Nov. 30, 1923.

BROMO-VITO

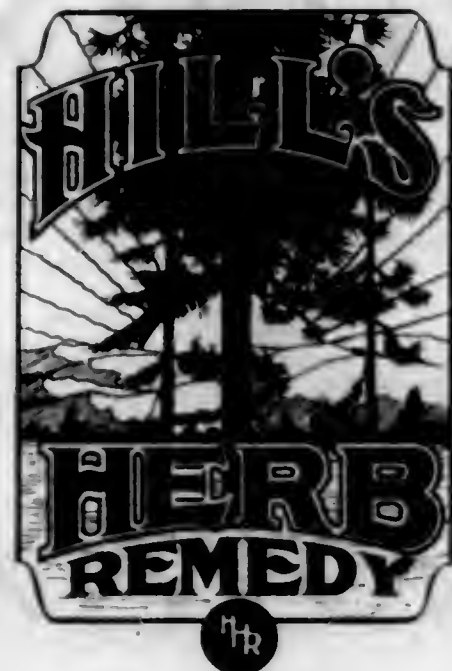
Particular description of goods.—Remedy for Headache, Nervousness, and Neuralgia.
Claims use since Nov. 1, 1923.

Ser. No. 189,650. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANCIS D. WENDELL, doing business as Wendell Cycle Company, Cleveland, Ohio. Filed Dec. 13, 1923.

PAL

Particular description of goods.—Bicycles and Parts Thereof for Adults and Children.
Claims use since Apr. 22, 1922.

Ser. No. 190,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS HILLMAN, doing business as Hill Medicine Co., Atlanta, Ga. Filed Dec. 27, 1923.



No claim is made to the words "Herb Remedy" apart from the mark as shown on the drawing.

Particular description of goods.—Preparation for the treatment of Rheumatism, Colds, and Coughs.
Claims use since June 15, 1923.

Ser. No. 190,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT C. MILLER, doing business as Redbird Hatchery, Des Moines, Iowa. Filed Jan. 14, 1924.

REDBIRD HATCHERY

Particular description of goods.—Eggs, Live Poultry, and Baby Chicks.
Claims use since 1913.

Ser. No. 191,010. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKET-BOOKS.) EDWARD J. CUMMINGS, doing business as Josiah Cummings & Son, Boston, Mass. Filed Jan. 19, 1924.

HUB

Particular description of goods.—Trunks, Travelling Cases, Boxes, Baskets, and the Like Composed of Steel, Leather, Rawhide, Fiber, or Vulcanized Fiber.
Claims use since Jan. 1, 1893.

Ser. No. 191,489. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKET-BOOKS.) THE JOHNSON IDEAL HALTER CO., Aurora, Ill. Filed Jan. 30, 1924.



The portrait and signature shown are those of Orville C. Johnson. No claim is made to the word "Halter" nor to the representation of the halter.

Particular description of goods.—Halters.
Claims use since July, 1921.

Ser. No. 191,646. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOCIÉTÉ ANONYME DES USINES RENAULT, Billancourt, Seine, France. Filed Feb. 1, 1924.



The word "Renault" is disclaimed apart from the composite mark shown in the drawing.

Particular description of goods.—Internal-Combustion or Explosion Motors and Parts Thereof and Agricultural Tractors, Caterpillar Tractors, Lathes, Drills, Hammers, Hatchets, and Saws.

Claims use since Jan. 1, 1907.

Ser. No. 191,651. (CLASS 37. PAPER AND STATIONERY.) WALTHER & COMPANY, New York, N. Y. Filed Feb. 1, 1924.



Particular description of goods.—Paper for Bank Checks, Money Orders, Bonds, Coupons, Vouchers, Tickets, Envelopes, and Writing Paper.
Claims use since Jan. 12, 1924.

Ser. No. 191,892. (CLASS 39. CLOTHING.) MARKSTEIN BROTHERS MILLINERY COMPANY, Birmingham, Ala. Filed Feb. 6, 1924.



Particular description of goods.—Ladies' Hats.
Claims use since Jan. 1, 1909.

Ser. No. 192,062. (CLASS 39. CLOTHING.) THOMAS E. BROWN, Philadelphia, Pa. Filed Feb. 9, 1924.

COLOR MARK OF DISTINCTION



Trade-mark consists of a red stripe.

Particular description of goods.—Men's, Women's, and Children's Hosiery.

Claims use since Jan. 4, 1922.

Ser. No. 192,611. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed Feb. 21, 1924.



Particular description of goods.—Tents.
Claims use since Jan. 28, 1924.

Ser. No. 193,144. (CLASS 37. PAPER AND STATIONERY.) MARGARET V. WENZEL, Le Roy, Mich. Filed Mar. 1, 1924.



Particular description of goods.—Pens, Pencils, and Attachments Therefor.
Claims use since Dec. 16, 1923.

Ser. No. 193,148. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE WOOD-LAND-MIST PRODUCTS CO., Brooklyn, N. Y. Filed Mar. 1, 1924.



Particular description of goods.—Polish for Furniture, Automobiles, and Woodwork Generally Having Incidental Properties as a Cleanser, Disinfectant, and Insecticide.

Claims use since Nov. 15, 1923.

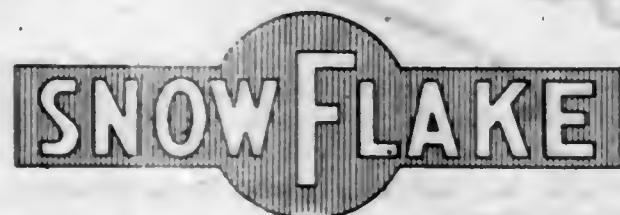
Ser. No. 193,321. (CLASS 39. CLOTHING.) BROOKLYN HOSIERY MILLS INC., Brooklyn, N. Y. Filed Mar. 6, 1924.



The word "Hosiery" is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Hosiery.
Claims use since Jan. 2, 1922.

Ser. No. 193,420. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY BAKING CO., St. Paul, Minn. Filed Mar. 7, 1924.



The lining appearing on the drawing is used for shading purposes only.

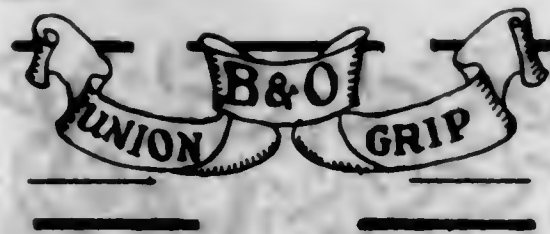
Particular description of goods.—Bread.
Claims use since on or about April, 1901.

Ser. No. 193,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GUS V. BRECHT BUTCHERS' SUPPLY COMPANY, St. Louis, Mo., and New York, N. Y. Filed Mar. 12, 1924.



Particular description of goods.—Animal Products—Namely, Beef, Sheep, and Hog Casings.
Claims use since Jan. 2, 1924.

Ser. No. 193,985. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BARNETT AND OWEN, Oakland City, Ind. Filed Mar. 18, 1924.



Particular description of goods.—Tire Patches.
Claims use since about Dec. 1, 1923.

Ser. No. 194,038. (CLASS 39. CLOTHING.) EDWARD K. WOODROW, Cincinnati, Ohio. Filed Mar. 18, 1924.



Particular description of goods.—Shoes of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since Feb. 4, 1924.

Ser. No. 194,244. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AVERILL MANUFACTURING CORPORATION, New York, N. Y. Filed Mar. 22, 1924.



Particular description of goods.—Dolls.
Claims use since about Nov. 15, 1917.

Ser. No. 194,396. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SYLVESTER F. DALE, White Deer, Pa. Filed Mar. 25, 1924.

TEAPOT DOME

Particular description of goods.—Lubricating Devices and Lubricating Systems.
Claims use since Feb. 26, 1924.

Ser. No. 194,531. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MACD M. FAIRBANKS, Worcester, Mass. Filed Mar. 27, 1924.

IKURA

Particular description of goods.—Cough Syrup, General System Tonic and Blood Purifier, and Antiseptic Healing Salve.
Claims use since 1908.

Ser. No. 195,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS PIPITONE, doing business as Vitas Packing Co., New York, N. Y. Filed Apr. 5, 1924.

Vitas

Particular description of goods.—Canned Tunny Fish, Olive Oil, Tomato Paste, and Macaroni.
Claims use since September, 1923.

Ser. No. 195,149. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AYARS MACHINE CO., Salem, N. J. Filed Apr. 8, 1924.



No claim is made to the exclusive use of the word "Excels" apart from the mark shown.

Particular description of goods.—Canning Machines.
Claims use since Mar. 28, 1924.

Ser. No. 195,172. (CLASS 39. CLOTHING.) HOSIERY MANUFACTURERS SALES CO. INC., New York, N. Y. Filed Apr. 8, 1924.

Alotaware

Particular description of goods.—Ladies', Men's, and Children's Hosiery, Sweaters, and Knitted Underwear.
Claims use since June, 1923.

Ser. No. 195,239. (CLASS 2. RECEPTACLES.) THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y. Filed Apr. 9, 1924. Under ten-year proviso.

SINGER

Particular description of goods.—Receptacles for Lubricants—Namely, Oilers, Collapsible Tubes, Cans, Bottles, Barrels, and Boxes or Cases.
Claims use since prior to 1880.

Ser. No. 195,332. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE F. J. BURCH MFG. CO., Pueblo, Colo. Filed Apr. 11, 1924.



No claim is made to the printed matter except the words "Burch Bark" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.

Particular description of goods.—Waterproofing Composition in the Form of a Paint for Waterproofing Fabrics.

Claims use since Dec. 1, 1921.

Ser. No. 195,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak. Filed Apr. 15, 1924.

DAKOTA MAID

Particular description of goods.—Granular Wheat Flour.

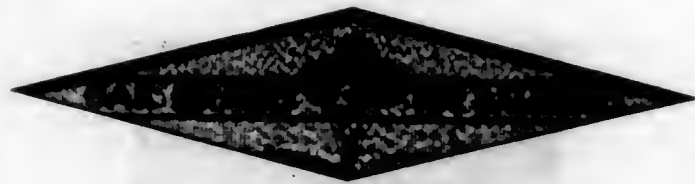
Claims use since Nov. 1, 1922.

Ser. No. 195,670. (CLASS 39. CLOTHING.) ARONSON AND SENDROWITZ, New York, N. Y. Filed Apr. 17, 1924.

Dora Jeane

Particular description of goods.—Winter-Wear Dresses for Stout Women.
Claims use since March, 1921.

Ser. No. 195,709. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE OAK RUBBER COMPANY, Ravenna, Ohio. Filed Apr. 17, 1924.



No claim is made to the words "Brand, Toy Balloons, Ravenna, Ohio" and the representation of the goods apart from the mark as shown in the drawing. The cross-hatching in the drawing indicates yellow.

Particular description of goods.—Toy Balloons.
Claims use since Nov. 1, 1920.

Ser. No. 195,734. (CLASS 37. PAPER AND STATIONERY.) THE BUZZA COMPANY, Minneapolis, Minn. Filed Apr. 18, 1924.

"BUY THE BOX"

Particular description of goods.—Tallies, Score Pads, and Party Invitations with Blanks to Fill in.
Claims use since Mar. 7, 1924.

Ser. No. 195,986. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRODUCTORES Y EXPORTADORES ESPAÑOLES, S. A., Bilbao, Spain. Filed Apr. 22, 1924.



Particular description of goods.—Salted Anchovies.
Claims use since June, 1922.

Ser. No. 196,079. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE E. SMITH, doing business as Geo. E. Smith & Co., Cincinnati, Ohio. Filed Apr. 24, 1924.



The words "A Barrel of Sweetness" and "Old Fashioned Sticks" do not form a part of the registration sought apart from the mark as shown in the drawing.

Particular description of goods.—Candy.
Claims use since May, 1923.

Ser. No. 196,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAG FOODS, INC., Syracuse, N. Y. Filed Apr. 24, 1924.

Wag

Particular description of goods.—Sliced Dried Beef, Bouillon Cubes, Catchup, Chili Sauce, Breakfast Cereals, Alimentary Pastes, Tea, Coffee, Canned Fish, Dried Fish, Canned Vegetables, Canned Fruits, Rice, Salmon Dressing, Vinegar, Dried Fruits, Honey, Jams, Jellies, Molasses, Mince-meat, Spices, Olives, Pickles, Peanut Butter, Table Syrup, and Canned Lobster.
Claims use since June 12, 1917.

Ser. No. 196,127. (CLASS 39. CLOTHING.) LYNN-KEHR & Co., Louisville, Ky. Filed Apr. 25, 1924.



Evelyn

Particular description of goods.—Trimmed Hats for Ladies, Misses, and Children.
Claims use since Jan. 11, 1919.

Ser. No. 196,142. (CLASS 2. RECEPTACLES.) SUPERIOR NOVELTY MFG. CO., Elizabeth, N. J., and New York, N. Y. Filed Apr. 25, 1924.

VIVIENNE

Trade-Mark "Vivienne."
Particular description of goods.—Vanity Cases.
Claims use since Mar. 10, 1924.

Ser. No. 196,222. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Apr. 28, 1924.

GEM

Trade-mark consists of the word "Gem."
Particular description of goods.—Hydrocarbon Burners in Which Petroleum is Used.
Claims use since about 1878.

Ser. No. 196,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARDINET CANDY CO., Oakland, Calif. Filed Apr. 29, 1924.

PARANUT

Particular description of goods.—Candy.
Claims use since Sept. 19, 1922.

Ser. No. 197,096. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924.

HIPPOHIDE

Particular description of goods.—Men's Hunting Coats, Hunting Vests, Outing Suits, and Hunting and Riding Breeches Made of Waterproofed Textile Fabric.
Claims use since Apr. 10, 1921.

Ser. No. 197,433. (CLASS 2. RECEPTACLES.) HILL, PETERSON & BLAKE, Salt Lake City, Utah. Filed May 22, 1924.



No claim is made herein to the exclusive use of the illustration of the support of the silks or the like apart from the mark shown.

Particular description of goods.—Plate Supports for Holding Embroidery Silks or the Like in Segregated Group Relation.
Claims use since Sept. 28, 1923.

Ser. No. 197,730. (CLASS 39. CLOTHING.) EARL & WILSON, Troy, N. Y. Filed May 28, 1924.

BROADLAWN

Particular description of goods.—Men's Negligee and Dress Shirts and Collars.
Claims use since May 22, 1924.

Ser. No. 197,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLACK & WHITE MILLING COMPANY, East St. Louis, Ill. Filed May 31, 1924.

E & F

Particular description of goods.—Cereal Products—Namely, Corn Meal.
Claims use since August, 1923.

Ser. No. 197,885. (CLASS 39. CLOTHING.) J. J. LATTEMANN SHOE MFG. CO. INC., Brooklyn, N. Y. Filed May 31, 1924.

NATURTRED

Particular description of goods.—Ladies', Misses', and Children's Shoes Made Wholly or in Part of Felt, Leather, and Cloth.
Claims use since 1914.

Ser. No. 197,926. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE FAY-MCKINNON COMPANY, Detroit, Mich. Filed June 2, 1924.

IAMAC

Particular description of goods.—Furniture Coverings Including Cotton, Silk, and Wool Tapestries, Cotton and Silk Damask, Cotton, Wool, Mohair and Silk Plushes, Cotton, Jute, Linen and Silk Velvets, Cotton and Jute Cretonnes, Cotton Denims, Haircloth, and Cotton and Silk Corduroy; Draperies and Portières Consisting of Cotton, Kapok, Silk and Fiber Silk, Wool, Linen, and Jute Damasks, Cotton, Jute, Ramie, Linen, and Silk Velvets; and Windowshade Cloth Consisting of Cotton and Linen Muslin.
Claims use since Mar. 1, 1924.

Ser. No. 197,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. T. COTTAM & COMPANY INC., New Orleans, La. Filed June 3, 1924.

Matador

Particular description of goods.—Canned Vegetables—Namely, Canned Corn, Tomatoes, Canned Peas; Canned Fruits—Namely, Canned Peaches, Canned Pineapple, and Canned Shrimp, Canned Sauerkraut, Rolled Oats, Tomato Paste, Lye and Canned Hominy.

Claims use since Sept. 25, 1923.

Ser. No. 198,089. (CLASS 37. PAPER AND STATIONERY.) JACOB SCHICK, Newark, N. J., assignor, by mesne assignments, to Pencilnife Corporation, New York, N. Y. Filed June 4, 1924.

PENCILNIFE

Particular description of goods.—Combined Clip and Knife for Pencils.

Claims use since May 1, 1923.

Ser. No. 198,094. (CLASS 39. CLOTHING.) WILLIAM STRAUSS, INC., New York, N. Y. Filed June 4, 1924.

BOBLETTE

Trade-mark consists of the word "Boblette."

Particular description of goods.—Roudoir Caps.

Claims use since May 27, 1924.

Ser. No. 198,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRIEDA L. SONDERMANN, Indianapolis, Ind. Filed June 5, 1924.

FS

Particular description of goods.—Preparation for the Treatment of Sore, Tired, and Perspiring Feet.

Claims use since Mar. 1, 1924.

Ser. No. 198,216. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

SPHINX

Particular description of goods.—Dry and Liquid Adhesives.

Claims use since March, 1894.

Ser. No. 198,226. (CLASS 37. PAPER AND STATIONERY.) J. IRVING EDWARDS, doing business as The Stopper Co., Riverhead, N. Y. Filed June 7, 1924.



Particular description of goods.—Blank Forms.

Claims use since about Jan. 15, 1924.

Ser. No. 198,245. (CLASS 37. PAPER AND STATIONERY.) NEWTON FALLS PAPER COMPANY, Newton Falls and New York, N. Y. Filed June 7, 1924.



Particular description of goods.—Bond and Ledger Paper.

Claims use since Mar. 8, 1924.

Ser. No. 198,382. (CLASS 39. CLOTHING.) ENRICO SCAVINI, Turin, Italy. Filed June 10, 1924.

Lenci

Particular description of goods.—Hats and Caps for Women and Children of Felt, Straw, Silk, and Combinations Thereof; Underwear of Knitted and of Textile Fabrics for Women and Children, Hosiery for Women and Children, Underskirts and Outer Skirts for Women and Children, Coats and Jackets for Women and Children; Boots, Shoes, and Gloves of Leather, Rubber, Fabric, and Combinations Thereof; Shawls and Scarfs for Personal Wear, and Sleeping Garments of Knitted and of Textile Fabric for Women and Children.

Claims use since Feb. 27, 1920.

Ser. No. 198,494. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ACME-INTERNATIONAL X-RAY CO., Chicago, Ill. Filed June 13, 1924.

RADIO KNIFE

Particular description of goods.—Electrosurgical Apparatus for Dissection and Like Purposes and for Desiccation Surgery.

Claims use since May 29, 1924.

Ser. No. 198,504. (CLASS 39. CLOTHING.) COLONIAL SHIRT CO. INC., New York, N. Y. Filed June 14, 1924.

COMMUNITY

Trade-mark consists of the word "Community."

Particular description of goods.—Dress and Negligee Shirts.

Claims use since Apr. 12, 1924.

Ser. No. 198,558. (CLASS 39. CLOTHING.) SCHAFER BROS. & SAMUELS, New York, N. Y. Filed June 14, 1924.



The words "Real Mink Marmot" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Fur Garments—Namely, Coats, Capes, and Jaquettes.

Claims use since Jan. 15, 1924.

Ser. No. 198,607. (CLASS 39. CLOTHING.) EUNICE M. AUTOONIAN, doing business as Boursa Turkish Towel Co., Boston, Mass. Filed June 16, 1924.

"Pasha Brand"

No claim of exclusive right to use the word "Brand" is made apart from the mark shown in the drawing, but applicant waives none of her common-law rights in said mark nor any element thereof.

Particular description of goods.—Bath Robes and Negligees.

Claims use since May 15, 1924.

Ser. No. 198,611. (CLASS 12. CONSTRUCTION MATERIALS.) THE D. W. BOSLEY COMPANY, Chicago, Ill. Filed June 16, 1924. Under ten-year proviso.

BOSLEY'S

Trade-mark consists of the word "Bosley's."

Particular description of goods.—Weather Stripping.

Claims use since October, 1888.

Ser. No. 198,615. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CERTIFIED DRY MAT CORPORATION, New York, N. Y. Filed June 16, 1924.

CERTIFIED

Particular description of goods.—Cork Molding Blankets Used in Connection with the Molding of Dry Mats.

Claims use since June 5, 1924.

Ser. No. 198,650. (CLASS 37. PAPER AND STATIONERY.) LIBRARY BUREAU, Cambridge, Mass. Filed June 16, 1924.

Index-taneous

Particular description of goods.—Blank, Partially-Printed, and Guide Cards for Indexes, and Indexes Consisting of Blank or Partially-Printed Cards and Guide Cards, and Trays, Drawers, Frames, and Holders Therefor.

Claims use since May 1, 1924.

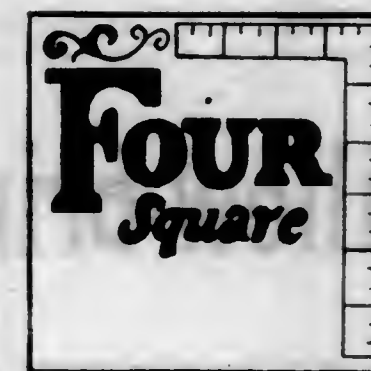
Ser. No. 198,651. (CLASS 37. PAPER AND STATIONERY.) LIBRARY BUREAU, Cambridge, Mass. Filed June 16, 1924.

Speedac

Particular description of goods.—Blank, Partially-Printed, and Guide Cards for Indexes, and Indexes Consisting of Blank or Partially-Printed Cards and Guide Cards, and Trays, Drawers, Frames, and Holders Therefor.

Claims use since May 1, 1924.

Ser. No. 198,772. (CLASS 39. CLOTHING.) FOUR SQUARE HOSIERY CO., Knoxville, Tenn. Filed June 17, 1924.



Particular description of goods.—Men's, Women's, and Children's Hosiery.

Claims use since Apr. 1, 1924.

Ser. No. 198,809. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KING COAL COMPANY, San Francisco, Calif. Filed June 19, 1924.



No claim is made to the words "Maximum Heat Units, Minimum Ash," nor "Coal" apart from the mark shown in the drawing. Trade-mark consists of a circular red band, within which band appear the words "Maximum Heat Units Minimum Ash" in white letters. Within this outer circular band, on blue background of the inner circle, appear the words "Knight Coal," horizontally, the letters being in white.

Particular description of goods.—Coal.
Claims use since on or about Apr. 1, 1924.

Ser. No. 198,831. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed June 20, 1924.



Particular description of goods.—Mailing Envelopes.
Claims use since about 1914.

Ser. No. 198,838. (CLASS 39. CLOTHING.) BOYD-RICHARDSON COMPANY, St. Louis, Mo. Filed June 20, 1924.

Pillow-brim

No claim is made to the word "Brim" apart from the mark as shown in the drawing, applicant, however, reserving its common-law rights thereto.

Particular description of goods.—Straw Hats and Derbies.
Claims use since May 9, 1924.

Ser. No. 198,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARDNER CANDY COMPANY, doing business as Margaret Gardner, Chicago, Ill. Filed June 20, 1924.



Particular description of goods.—Candy.
Claims use since Apr. 14, 1924.

Ser. No. 198,954. (CLASS 39. CLOTHING.) MILWAUKEE KNITTING MILLS, Milwaukee, Wis. Filed June 21, 1924.



Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since June 9, 1924.

Ser. No. 199,025. (CLASS 2. RECEPTACLES.) SOLAR-STURGES MFG. CO., Chicago, Ill. Filed June 23, 1924.



The drawing is lined to indicate red. Applicant disclaims the exclusive right to the use of the words "Milk Cans" except as shown in connection with the mark, but does not waive any of its common-law rights thereto.

Particular description of goods.—Milk Cans.
Claims use since Oct. 1, 1917.

Ser. No. 199,027. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) H. E. WILLIAMS PRODUCTS CO., Carthage, Mo. Filed June 23, 1924.

FOLDAWAY

Particular description of goods.—Baggage and Luggage Carriers and Racks.
Claims use since November, 1922.

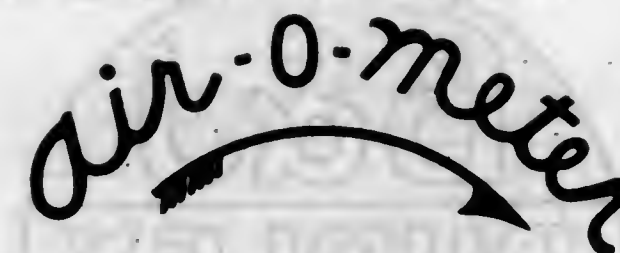
Ser. No. 199,040. (CLASS 39. CLOTHING.) LEO M. COOPER, doing business as Leo M. Cooper Company, New York, N. Y. Filed June 24, 1924.

WHITE SWAN



No claim is made to the exclusive use of the words "Trade-Mark" and "Uniform Dresses."
Particular description of goods.—Uniform Dresses, House Dresses, Porch Dresses, Daytime Frocks, Bath Robes, Evening Dresses, Street Dresses, Cloaks, Suits, Waists, and Nightdresses.
Claims use since Jan. 1, 1924.

Ser. No. 199,073. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MATTMAN & SINCLAIR CO., Cincinnati, Ohio. Filed June 24, 1924.



No claim is made to the word "Meter" apart from the mark shown in the drawing.
Particular description of goods.—Air Meters.
Claims use since Oct. 10, 1922.

Ser. No. 199,089. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RAY L. PEUGH, doing business as Alligator Manufacturing Company, Oklahoma City, Okla. Filed June 24, 1924.



Particular description of goods.—Tire Patches.
Claims use since May, 1918.

Ser. No. 199,100. (CLASS 2. RECEPTACLES.) HENRY H. WESTINGHOUSE, New York, N. Y. Filed June 24, 1924.

Vegecan

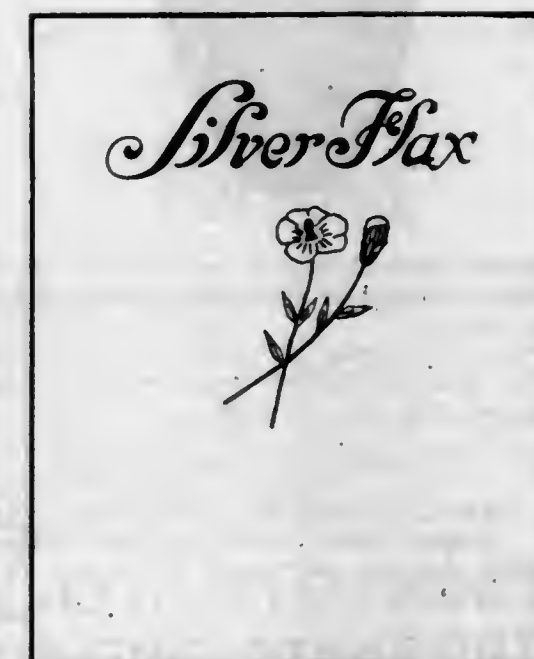
Particular description of goods.—Metal Cans Employed as Fruit and Vegetable Receptacles.
Claims use since June 10, 1924.

Ser. No. 199,188. (CLASS 39. CLOTHING.) S. SHAPINSKY AND COMPANY, Louisville, Ky. Filed June 26, 1924.

Melrose

Particular description of goods.—Sweaters and Underwear of Knit, Cut and Sewed Fabrics for Men, Women, and Children.
Claims use since 1905.

Ser. No. 199,236. (CLASS 37. PAPER AND STATIONERY.) THE EDW. MALLEY CO., New Haven, Conn. Filed June 27, 1924.



Particular description of goods.—Writing Paper and Envelopes.
Claims use since 1911.

Ser. No. 199,347. (CLASS 39. CLOTHING.) BLANCHE CERVELLI, San Francisco, Calif. Filed June 30, 1924.



Applicant disclaims the pictorial representation of the corset apart from the mark.

Particular description of goods.—Reducing Corsets.
Claims use since January, 1920.

Ser. No. 199,348. (CLASS 39. CLOTHING.) CHARLES CHOROT CO., Clifton, N. J. Filed June 30, 1924.



The picture forming a part of the mark is that of John Klier, a member of the aforesaid firm, and is used with his consent.

Particular description of goods.—Inner lining of a Waterproof Type for Leather Boots, Shoes, and Slippers.
Claims use since Jan. 1, 1924.

Ser. No. 199,419. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed July 1, 1924.

WHITE BEAR

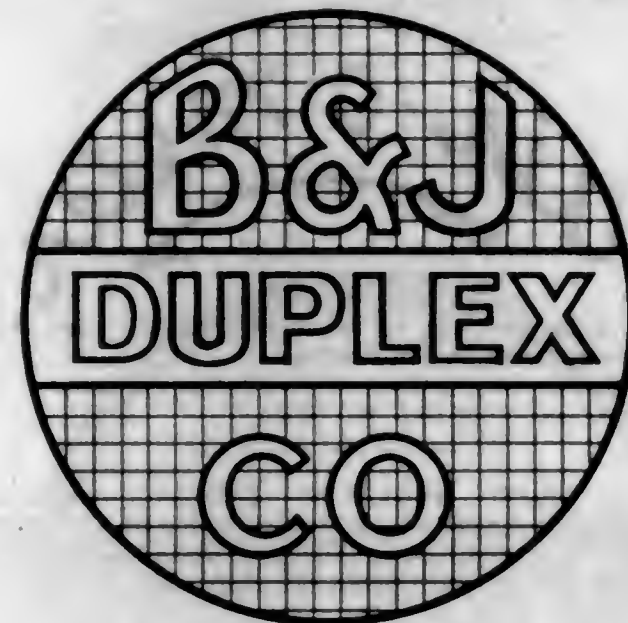
Particular description of goods.—Wrapping Paper.
Claims use since May 21, 1924.

Ser. No. 199,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. M. BENTON, Ponderoek, Okla. Filed July 3, 1924.



Particular description of goods.—Wheat Flour.
Claims use since Aug. 31, 1922.

Ser. No. 199,519. (CLASS 37. PAPER AND STATIONERY.) BERLIN & JONES COMPANY, INC., New York, N. Y. Filed July 3, 1924.



Particular description of goods.—Envelopes.
Claims use since about Jan. 1, 1923.

Ser. No. 199,547. (CLASS 37. PAPER AND STATIONERY.) FABRIQUE SUISSE DE CRAYONS CARAN D'ACHE, Eaux-Vives, near Geneva, Switzerland. Filed July 3, 1924.

"CARAN-D'ACHE,"

Particular description of goods.—Pencils, Paper, and Stationery.
Claims use since Jan. 16, 1924.

Ser. No. 199,566. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL PNEUMATIC COMPANY, New York, N. Y. Filed July 3, 1924.



Particular description of goods.—Pneumatic Motors, Pneumatic Door Motors, Door Shoes, Pneumatic Pipeline Equipment, Pneumatic Safety Door Apparatus, Pneumatic Door Signaling Apparatus, Pneumatic Door-Operation Apparatus.

Claims use since 1918.

Ser. No. 199,570. (CLASS 37. PAPER AND STATIONERY.) PARSONS PAPER COMPANY, Holyoke, Mass. Filed July 3, 1924.

HINGEND

Particular description of goods.—Writing Paper.
Claims use since June 30, 1924.

Ser. No. 199,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL LEWIS SUMMERS, Fort Washington, Pa. Filed July 3, 1924.

BEFSAL

Particular description of goods.—Medicinal Compounds for Use in the Treatment of Rheumatism, Gout, Sciatica, Arthritis, and Similar Affections, and for Elimination of Urea and Decreasing Its Formation, and as an Intestinal Antiseptic.

Claims use since Mar. 9, 1921.

Ser. No. 199,605. (CLASS 39. CLOTHING.) BRAUER BROS. SHOE COMPANY, St. Louis, Mo. Filed July 5, 1924.



No claim is made to the word "Shoes" apart from the mark as shown.

Particular description of goods.—Women's Shoes of Leather and Cloth and Leather.
Claims use since Nov. 23, 1923.

Ser. No. 199,708. (CLASS 37. PAPER AND STATIONERY.) THE MARTIN CANTINE CO., Saugerties, N. Y. Filed July 7, 1924.

ESOPUS

Particular description of goods.—Enameled Book Paper.
Claims use since Apr. 13, 1923.

Ser. No. 199,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERCIVAL W. BRAIN, doing business as The New Health Laboratories, Lynn, Mass. Filed July 8, 1924.

Grace Eleanor Brain

Trade-mark "Grace Eleanor Brain."

Particular description of goods.—Beauty Clay, Face Powder for the Complexion, Tonic to Build Up the System and Tone Up the Blood, Fat Reducer, Face Cream for Cleansing and Beautifying the Skin, Cough Syrup, Laxative Tablets, Indigestion Remedy, and Douche, an Alkaline Antiseptic for Vaginal Use.
Claims use since June 1, 1920.

Ser. No. 199,794. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. S. MERRILL DRUG COMPANY, St. Louis, Mo. Filed July 9, 1924.

Fem Tonic

No claim is made to the word "Tonic" apart from the mark shown.

Particular description of goods.—Preparation for the Correction of All Female Derangements.
Claims use since June 25, 1924.

Ser. No. 199,852. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLUMSTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Fortuna

Particular description of goods.—Lead Pencils, Colored Pencils, Copying Pencils, and Ink Pencils.
Claims use since 1910.

Ser. No. 199,854. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLUMSTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Commander

Particular description of goods.—Lead Pencils, Colored Pencils, Slate Pencils, Mechanical Lead Pencils, Chalk, India-Rubber Erasers, Penholders, Stylographic Pens, Black Lead and Colored Refills, Elastic Bands, and Fountain-Pen Holders.

Claims use since 1900.

Ser. No. 199,855. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Tandem

Particular description of goods.—Billiard and Marking Chalk, Lead-Pencil Pointers, Elastic Bands (Not Woven), Fountain-Pen Holders, Gold Pens, and Stylographic Pens.

Claims use since 1912.

Ser. No. 199,857. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

CASINO

Particular description of goods.—Writing, Drawing, Painting, Billiard, and Marking Chalk, Lead-Pencil Pointers, Elastic Bands (Not Woven), Fountain-Pen Holders, Gold Pens, and Stylographic Pens.

Claims use since 1909.

Ser. No. 199,889. (CLASS 39. CLOTHING.) THE WEISBAUM BROS.-BROWER CO., Cincinnati, Ohio. Filed July 10, 1924.



Beau Brummell

Particular description of goods.—Neckties.
Claims use since Dec. 28, 1920.

Ser. No. 199,915. (CLASS 15. OILS AND GREASES.) WILSHIRE OIL COMPANY, INC., Los Angeles, Calif. Filed July 11, 1924.



Applicant disclaims the exclusive right to the use of the geographical term "Los Angeles, Cal. U. S. A." apart from the mark as shown.

Particular description of goods.—Petroleum Products, viz. Gasoline, Engine Distillate, Stove Distillate, Furnace Distillate, Diesel-Engine Distillate, Kerosene, Benzine, Gas Oil, Fuel Oil, Lubricating Oils, Lubricating Greases, and Crude Oil.

Claims use since 1919.

Ser. No. 199,928. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIGGAR-PADGETT COMPANY, Fort Myers, Fla. Filed July 12, 1924.

PALM

Particular description of goods.—Fresh Vegetables—Namely, Peppers, Eggplant, Cucumbers, Beans, Squash, and Potatoes.

Claims use since November, 1922.

Ser. No. 199,960. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) UNIQUE LEATHER GOODS COMPANY, INC., Richmond Hill, N. Y. Filed July 12, 1924.

REVERSO

Particular description of goods.—Ladies' Hand Bags.
Claims use since June 26, 1924.

Ser. No. 200,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed July 15, 1924.



Lining represents brown color.

Particular description of goods.—Food-Flavoring Extracts Containing no Sugar or Sirup.

Claims use since July 9, 1924.

Ser. No. 200,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEO A. MATTES, Berkeley, Calif. Filed July 15, 1924.

ANTOX

Particular description of goods.—Ant Poison.
Claims use since about June, 1921.

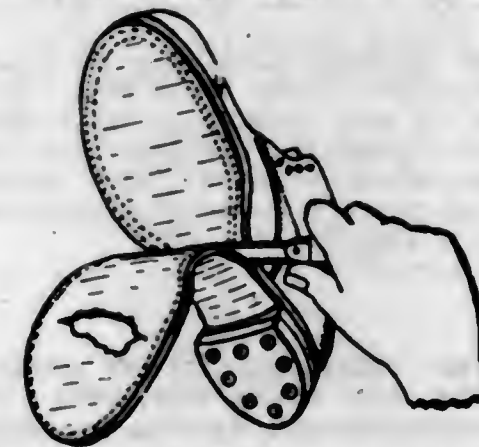
Ser. No. 200,058. (CLASS 39. CLOTHING.) ALEXANDER RIES, Philadelphia, Pa. Filed July 15, 1924.



Particular description of goods.—Work, Dress, and Negligee Shirts, Night Wear, and Underclothing of Textile Fabric for Men and Children.

Claims use since Feb. 12, 1923.

Ser. No. 200,137. (CLASS 39. CLOTHING.) JOHN J. DALY, Boston, Mass. Filed July 17, 1924.



No claim is made to the exclusive right to the use of the pictorial representation of the shoe apart from the mark shown.

Particular description of goods.—Shoes of Leather, Leather and Rubber, Leather and Fabric, and Combinations Thereof.

Claims use since about Apr. 1, 1923.

Ser. No. 200,194. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRESNO GRAPE DISTRIBUTORS, Fresno, Calif. Filed July 18, 1924.



Particular description of goods.—Fresh Grapes.
Claims use since Apr. 19, 1924.

Ser. No. 200,224. (CLASS 39. CLOTHING.) REYER SHOE MFG. CO., INC., Brooklyn, N. Y. Filed July 18, 1924.

MUSCLE BUILDER

Trade-mark consists of the words "Muscle Builder."

Particular description of goods.—Leather, Rubber, and Fabric Shoes.

Claims use since about May 15, 1922.

Ser. No. 200,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHANN WORLICEK, Karlsbad, Czechoslovakia. Filed July 18, 1924.

"FLUORIN"

Particular description of goods.—Preparation to be Added to the Bath, Containing a Substance Having a Soothing Effect on Heart and Nerves, Such as Concentrated Pine-Leaf Oil.

Claims use since Mar. 15, 1924.

Ser. No. 200,244. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARY MAPLE SUGAR CO., St. Johnsbury, Vt. Filed July 19, 1924.



Particular description of goods.—Maple-Sap Sirup.
Claims use since on or about June 15, 1923.

Ser. No. 200,267. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LIME-COLA BOTTLING COMPANY OF ATLANTA, GA., Atlanta, Ga. Filed July 19, 1924.



The representation of a bottle is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Nonalcoholic Beverages of Peach, Strawberry, Raspberry, Grape, Lemon, Lime, and Other Flavors.

Claims use since May 23, 1924.

Ser. No. 200,277. (CLASS 2. RECEPTACLES.) PENN-
GREG MANUFACTURING CO., St. Paul, Minn. Filed
July 19, 1924.

Mailo-Box

Trade-mark drawing comprises the words "Mailo Box."
No claim is made to the word "Box" apart from the
mark as shown in the drawing, no common-law rights,
however, being waived.

Particular description of goods.—Mail Boxes.
Claims use since on or about Feb. 1, 1920.

Ser. No. 200,278. (CLASS 2. RECEPTACLES.)
PRESSED STEEL-TANK COMPANY, West Allis, Wis.
Filed July 19, 1924.

Hackney

Particular description of goods.—Steel Tanks.
Claims use since Apr. 1, 1924.

Ser. No. 200,339. (CLASS 1. RAW OR PARTLY-PRE-
PARED MATERIALS.) PRISTER & VOGEL LEATHER
COMPANY, Milwaukee, Wis. Filed July 21, 1924.

Golden Glow

Trade-mark "Golden Glow."
Particular description of goods.—Leathers.
Claims use since June 12, 1924.

Ser. No. 200,345. (CLASS 2. RECEPTACLES.) THE
STEIDLE MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed July 21, 1924.

ADD-A-BIN

Particular description of goods.—Bins for Hardware
Such as Nuts and Bolts, Used in Garages and the Like.
Claims use since May 28, 1924.

Ser. No. 200,347. (CLASS 6. CHEMICALS, MEDI-
CINES, AND PHARMACEUTICAL PREPARATIONS.)
SAMUEL LEWIS SUMMERS, Fort Washington, Pa. Filed
July 21, 1924.

A-F-SAL

Particular description of goods.—Medicinal Compounds
for Use in Stimulating the Flow of Bile and Peristaltic
Action, for the Elimination of Urea, and in the Treat-
ment of Rheumatism, Gout, Sciatica, Arthritis, and
Similar Ailments, and as an Intestinal Antiseptic.
Claims use since August, 1904.

Ser. No. 200,415. (CLASS 5. ADHESIVES.) WERNET
DENTAL MFG. CO., INC., New York, N. Y. Filed
July 23, 1924.



All of the descriptive matter upon the drawing in-
cluding the following, "Holds Plates Tight," "Dr. Wer-
net's Powder for False Teeth," and "Trade-Mark" are
herein disclaimed apart from the mark shown, without,
however, waiving any common-law rights thereby.

Particular description of goods.—Powder to Hold False
Teeth Firmly in Place.

Claims use since about July, 1924.

Ser. No. 200,433. (CLASS 23. CUTLERY, MACHINERY,
AND TOOLS, AND PARTS THEREOF.) DIAMOND
MANUFACTURING COMPANY, Wyoming, Pa. Filed July
24, 1924.



Particular description of goods.—Perforated Metal
Sheets and Plates.

Claims use since January, 1921.

Ser. No. 200,496. (CLASS 35. BELTING, HOSE, MA-
CHINERY PACKING, AND NONMETALLIC TIRES.)
HIDE, LEATHER & BELTING CO., Indianapolis, Ind.
Filed July 25, 1924.



Particular description of goods.—Leather Machine
Belting.

Claims use since June 1, 1923.

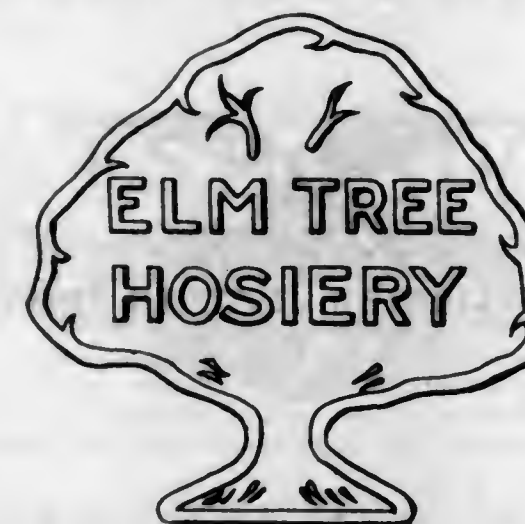
Ser. No. 200,542. (CLASS 6. CHEMICALS, MEDI-
CINES, AND PHARMACEUTICAL PREPARATIONS.)
MRS. EDWARD ALLISON BUTLER, doing business as
The Calicolo Positive Treatment Company, San Diego,
Calif. Filed July 26, 1924.

CALICOLO

Particular description of goods.—Medicinal Prepara-
tion for Use in the Treatment of Consumption, Bron-
chitis, and Persistent Cough.

Claims use since 1919.

Ser. No. 200,676. (CLASS 30. CLOTHING.) ELM
TREE HOSIERY, INCORPORATED, Wilmington, Del., and
Philadelphia, Pa. Filed July 29, 1924.



No claim is made to the word "Hosiery" apart from
the mark shown in the drawing.

Particular description of goods.—Hosiery.
Claims use since about Feb. 29, 1924.

Ser. No. 200,695. (CLASS 30. CLOTHING.) THOMP-
SON-BARLOW CO. INC., New York, N. Y. Filed July
29, 1924.



No claim is made to the girdle apart from the mark
shown. The portrait is that of a living person.

Particular description of goods.—Corsets and Girdles.
Claims use since Mar. 3, 1924.

327 O. G.—47

Ser. No. 200,696. (CLASS 30. CLOTHING.) PETER
THOMSON, Philadelphia, Pa. Filed July 29, 1924.

Peter Thomson

Particular description of goods.—Men's, Women's, and
Children's Suits, Overcoats, Hats, Caps, and Neckties;
Women's and Children's Capes, Coats, Blouses, Waists,
Skirts, and Underskirts; Men's and Boy's Work, Busi-
ness, Negligee, Sport, and Dress Shirts; and Men's,
Women's, and Children's Union Suits, Undershirts, and
Drawers of Knitted or Textile Fabric.

Claims use since Jan. 13, 1903.

Ser. No. 200,780. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) THE RICHARDS-SCHIEBLE CANDY
CO., Hutchinson, Kans. Filed July 31, 1924.

Donatti

Particular description of goods.—Candy.
Claims use since Apr. 1, 1924.

Ser. No. 200,794. (CLASS 30. CLOTHING.) ABRA-
HAM WINNER, doing business as Winner, New York,
N. Y. Filed July 31, 1924.

Winner FURS

No claim is made to the exclusive use of the word
"Furs" apart from the mark as shown in the drawing.
Particular description of goods.—Furs—viz, Coats and
Scarfs.

Claims use since 1910.

Ser. No. 200,796. (CLASS 30. CLOTHING.) SOL
ZIOS & CO., Philadelphia, Pa. Filed July 31, 1924.



Applicant disclaims the use of the words "Comes in
Black Shade Too" and "Blue" apart from the mark
shown.

Particular description of goods.—Men's and Boys' Suits
and Overcoats.

Claims use since Apr. 1, 1924.

Ser. No. 200,817. (CLASS 44. DENTAL MEDICAL AND SURGICAL APPLIANCES.) ROSE HUTTER. New York, N. Y. Filed Aug. 1, 1924.

Rose Hutter

Particular description of goods.—Electrical Depilatories.

Claims use since July 10, 1924.

Ser. No. 200,846. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BROOKS PAPER COMPANY, St. Louis, Mo. Filed Aug. 2, 1924.

Flexitype

Particular description of goods.—Prepared Stereotype Dry Matrices.

Claims use since June 10, 1924.

Ser. No. 200,928. (CLASS 39. CLOTHING.) THE CARTERSVILLE MILLS, Cartersville, Ga. Filed Aug. 4, 1924.

BRENAU
PURE GOLD

Particular description of goods.—Knit Underwear.

Claims use since October, 1922.

Ser. No. 200,946. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE HOUDAILLE COMPANY, Buffalo, N. Y. Filed Aug. 4, 1924.

HOO-DYE



No claim is made to the specific representation of the shock absorber apart from the mark as shown in the drawing, without, however, waiving the common-law right to its use as an essential of the complete mark.

Particular description of goods.—Shock Absorbers.

Claims use since June 13, 1924.

Ser. No. 200,973. (CLASS 39. CLOTHING.) WEISS & ZAHNER, New York, N. Y. Filed Aug. 4, 1924.

Daddy Jacquard

Particular description of goods.—Men's Cravats.

Claims use since July 1, 1924.

Ser. No. 200,983. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CONSOLIDATED FILM INDUSTRIES, INC., New York, N. Y. Filed Aug. 5, 1924.



The exclusive use of the words "Certified Prints" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Motion-Picture Films.

Claims use since June 1, 1924.

Ser. No. 201,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZORAH COMPANY INC., New York, N. Y. Filed Aug. 5, 1924.

Wheatamin

Particular description of goods.—Packages of Breakfast Food.

Claims use since Jan. 1, 1924.

Ser. No. 201,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IMPERIAL ICE CREAM COMPANY, Parkersburg, W. Va. Filed Aug. 6, 1924.

Imperial

Particular description of goods.—Ice Cream.

Claims use since 1911.

Ser. No. 201,065. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, R. I. Filed Aug. 7, 1924.



No claim is made to the words "Trade-Mark" "Pattern," "Color," "Size," "Finish," and "Made in U. S. A." apart from the mark shown. While the mark is shown in black and white, no claim to any particular color is made.

Particular description of goods.—Textile Blankets and Textile Blanket Material.

Claims use since October, 1923.

Ser. No. 201,106. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Aug. 7, 1924.

Cami-Corsette

Particular description of goods.—Women's, Girls', and Misses' Undergarments—Namely, Corsets, Brassières, and Combination Brassières and Corsets—Made Out of Silk, Cotton, Rubber, and Combinations of Silk, Cotton, and Rubber.

Claims use since June 15, 1924.

Ser. No. 201,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE STOKES CO., INC., Chicago, Ill. Filed Aug. 7, 1924.

EXCELLO

Particular description of goods.—Base or Filler for Candy.

Claims use since December, 1917.

Ser. No. 201,134. (CLASS 39. CLOTHING.) THE HOUSE OF BROOKS, Philadelphia, Pa. Filed Aug. 8, 1924.



The exclusive right to the words "Custom Tailors" is herein disclaimed apart from the mark shown on the drawing, without, however, waiving any common-law rights thereto.

Particular description of goods.—Men's, Young Men's, and Boys' Clothing Consisting of Trousers, Pants, Vests, Coats, Jackets, Overcoats, and Sport Suits.

Claims use since May 17, 1924.

Ser. No. 201,153. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE OTTAWA SILICA CO., Ottawa, Ill. Filed Aug. 8, 1924.



PRODUCED BY
THE OTTAWA SILICA CO.
OTTAWA, ILL.

All wording with the exception of the word "Diamond" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Sand-Blast Sand.

Claims use since 1912.

Ser. No. 201,170. (CLASS 12. CONSTRUCTION MATERIALS.) ARMSTRONG CORK & INSULATION COMPANY, Pittsburgh, Pa. Filed Aug. 9, 1924.

AMF

Particular description of goods.—Heat-Insulating Materials.

Claims use since July 28, 1923.

Ser. No. 201,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK HURWITZ & SONS, Baltimore, Md. Filed Aug. 11, 1924.

FAIRY GOLD

Particular description of goods.—Mayonnaisse and Relish Consisting of Mayonnaisse and an Assortment of Sweet Pickles and Vegetables.
Claims use since July 3, 1924.

Ser. No. 201,244. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING CANDY CO., Fort Worth, Tex. Filed Aug. 11, 1924.

Southern Queen

Particular description of goods.—Candy.
Claims use since 1916.

Ser. No. 201,254. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEORGE W. OSBORN, doing business as Cleveland Flue Cleaner Manufacturing Co., Cleveland, Ohio. Filed Aug. 11, 1924.

BRISBEN

Particular description of goods.—Emery-Wheel Dressers.
Claims use since 1906.

Ser. No. 201,255. (CLASS 8. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NICOLA PARRINELLI, New York, N. Y. Filed Aug. 11, 1924.



The portrait and signature in the drawing are those of applicant.

Particular description of goods.—Medicine for Stomach Trouble.
Claims use since July 15, 1924.

Ser. No. 201,257. (CLASS 20. MEASURING AND SCIENTIFIC APPLIANCES.) THE L. M. PRINCE COMPANY, Cincinnati, Ohio. Filed Aug. 11, 1924.

TRU-LITE

Particular description of goods.—Spectacles, Goggles, and Lenses Therefor.
Claims use since July 1, 1924.

Ser. No. 201,318. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. ALTMAN & CO., New York, N. Y. Filed Aug. 13, 1924.

Blanelle de Soie

Particular description of goods.—Silk Piece Goods.
Claims use since July 31, 1924.

Ser. No. 201,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KALTENBACH & STEPHENS INC., New York, N. Y. Filed Aug. 13, 1924.



Trade-mark is lined to indicate the word "Radiance" in red and thereabove the merging colors purple, red, yellow, green, and blue, and beneath the word "Radiance" a field of yellow with the representation of two green leaves thereon.

Particular description of goods.—Ribbons Made of Silk, Cotton, Artificial Silk, and Mixtures Thereof, Plain, Fancy, and Embroidered.

Claims use since May 8, 1924.

Ser. No. 201,370. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTICAL DEVELOPMENT CORPORATION, New York, N. Y. Filed Aug. 13, 1924.

TRU CENTR

Particular description of goods.—Ophthalmic Lenses.
Claims use since July 14, 1924.

Ser. No. 201,403. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ARTHUR W. HODGMAN, Natick, Mass. Filed Aug. 14, 1924.



No claim is made to the words "Perfected Beverages" apart from the mark shown in the drawing.

Particular description of goods.—Nonalcoholic, Noncreamy, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.

Claims use since Dec. 1, 1921.

Ser. No. 201,422. (CLASS 37. PAPER AND STATIONERY.) ADAMS PAPER & SPECIALTIES COMPANY, Waterloo, Iowa. Filed Aug. 15, 1924.

WHITE SWAN

Particular description of goods.—Butchers' Waterproof Wrapping Paper.

Claims use since on or about Jan. 1, 1913.

Ser. No. 201,425. (CLASS 39. CLOTHING.) C. C. BLAKE, INCORPORATED, Boston, Mass. Filed Aug. 15, 1924.

AUTOMATIC

Particular description of goods.—Leather Shoes.
Claims use since July 29, 1924.

Ser. No. 201,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES PIERCE GRANT, New York, N. Y. Filed Aug. 15, 1924.

INVINCIBLE

Particular description of goods.—Evaporated Milk.
Claims use since Aug. 5, 1924.

Ser. No. 201,485. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE BELL & HOWELL COMPANY, Chicago, Ill. Filed Aug. 16, 1924.



Particular description of goods.—Motion-Picture Cameras.

Claims use since January, 1922.

Ser. No. 201,527. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBOY MILK PRODUCTS CO., Amboy, Ill. Filed Aug. 18, 1924.

Melody

Particular description of goods.—Evaporated Milk.
Claims use since Aug. 1, 1924.

Ser. No. 201,541. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHN F. CLASS, doing business as John F. Class Health Fume System, Dayton, Ohio. Filed Aug. 18, 1924.



The drawing is lined to indicate that the letters comprising the mark are red in color. Trade-mark "Hal-A-Fum."

Particular description of goods.—Fume Generating and Inhaling Apparatus.
Claims use since June 30, 1924.

Ser. No. 201,565. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SAUL KURLANDER, doing business as Golden State Bottling Works and as Mapocal Punch Co., Los Angeles, Calif. Filed Aug. 18, 1924.



Particular description of goods.—Nonalcoholic, Maltless Beverages, Still and Carbonated; Bottlers' Syrups, Bottlers' Extracts, Fountain Syrups, and Extracts for Making Soft Drinks.

Claims use since Feb. 1, 1921.

Ser. No. 201,600. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TOLEDO CHEMICAL & SUPPLY COMPANY, Toledo, Ohio. Filed Aug. 18, 1924.

VON-O-LIN

Particular description of goods.—Cleaning Solution for Fabrics.

Claims use since Jan. 1, 1923.

Ser. No. 201,601. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNITED DRUG COMPANY, Boston, Mass. Filed Aug. 18, 1924.



Particular description of goods.—Hair Nets.

Claims use since March, 1924.

Ser. No. 201,607. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANNIN & Co., New York, N. Y. Filed Aug. 19, 1924.

PREMIER

Trade-mark consists of the word "Premier."
Particular description of goods.—Flags Made of Either Wool Bunting or Cotton Cloth.

Claims use since November, 1896.

Ser. No. 201,610. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ROSWELL DOWNING, doing business as Downing Glare Shield Company, Oneida, N. Y. Filed Aug. 19, 1924.

E-Z-C

Particular description of goods.—Glare Shields.

Claims use since about Aug. 15, 1922.

Ser. No. 201,611. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. R. HAMILTON, Reedley, Calif. Filed Aug. 19, 1924.

LARK

Particular description of goods.—Fresh Deciduous Fruits—Namely, Fresh Peaches and Fresh Grapes.

Claims use since July 16, 1924.

Ser. No. 201,649. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHOPAK TEXTILE CO., INC., New York, N. Y. Filed Aug. 20, 1924.

LUSTERIB

Particular description of goods.—Knitted Silk Piece Goods.

Claims use since July 10, 1924.

Ser. No. 201,653. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CHARLES F. COWDREY, Fitchburg, Mass. Filed Aug. 20, 1924.



No claim is made for the words "Equal" and "Dynamic" apart from the mark shown by the drawing.
Particular description of goods.—Brake-Testing Devices for Automobiles and Parts Thereof.

Claims use since Aug. 14, 1924.

Ser. No. 201,655. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DRY GOODS ALLIANCE, INC., New York, N. Y. Filed Aug. 20, 1924.

ALLIANCE

Particular description of goods.—Sheets, Sheetings, and Pillowcases.

Claims use since 1904.

Ser. No. 201,658. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Aug. 20, 1924.

THAIS

Particular description of goods.—Fabrics Made of Silk.

Claims use since June 15, 1924.

Ser. No. 201,659. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Aug. 20, 1924.

ELENA

Particular description of goods.—Fabrics Made of Silk.

Claims use since June 15, 1924.

Ser. No. 201,660. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Aug. 20, 1924.

ESTELO

Particular description of goods.—Fabrics Made of Silk.

Claims use since June 15, 1924.

Ser. No. 201,668. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILIP K. LINDSAY, doing business as P. K. Lindsay & Co., Boston, Mass. Filed Aug. 20, 1924.

"Give 'Em Air!"

Particular description of goods.—Air Compressors, Air Pumps, and Parts Thereof.

Claims use since July, 1924.

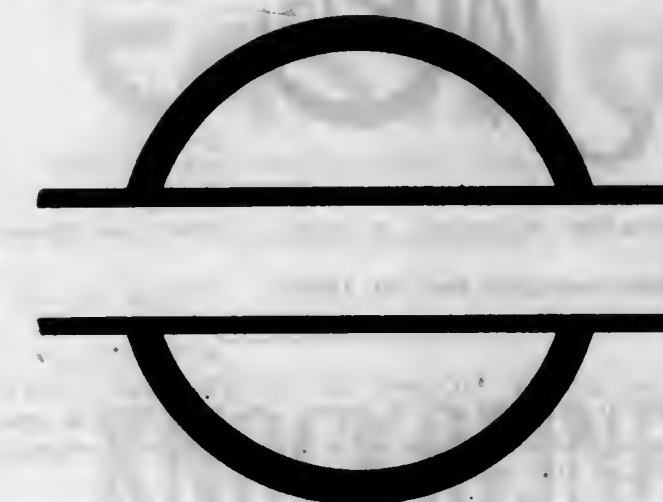
Ser. No. 201,708. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEWIS MANUFACTURING COMPANY, Walpole, Mass. Filed Aug. 21, 1924.

HANDICLOTHS

Particular description of goods.—Cheesecloth.

Claims use since Feb. 1, 1919.

Ser. No. 201,723. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Filed Aug. 21, 1924.



Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both with and without Admixtures of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes, and Lubricating Greases.

Claims use since July 21, 1924.

Ser. No. 201,728. (CLASS 39. CLOTHING.) THEO. WEISS & COMPANY, INC., New Orleans, La. Filed Aug. 21, 1924.



Particular description of goods.—Boys' and Youths' Overalls.

Claims use since July 4, 1914.

Ser. No. 201,736. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BECKWITH-CHANDLER COMPANY, Newark, N. J. Filed Aug. 22, 1924.

NEOLITE

Particular description of goods.—Pigmented Pyroxylin Coating Lacquer for Automobile and Other Vehicle Bodies.

Claims use since about January, 1924.

Ser. No. 201,757. (CLASS 39. CLOTHING.) JESSE JERICHO, doing business as Jericho Millinery Company, Oklahoma City, Okla. Filed Aug. 22, 1924.



Particular description of goods.—Ladies' and Misses' Hats.
Claims use since Oct. 10, 1923.

Ser. No. 201,774. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) B. F. ROMANOWSKI, doing business as National Chemical & Manufacturing Company, Chicago, Ill. Filed Aug. 22, 1924.

SHURE KUTTER

Particular description of goods.—Paint and Varnish Removers.
Claims use since Apr. 1, 1924.

Ser. No. 201,775. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROSETO COMPANY, INC., Roseto, Pa. Filed Aug. 22, 1924.

2007

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 1, 1920.

Ser. No. 201,776. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROSETO COMPANY, INC., Roseto, Pa. Filed Aug. 22, 1924.

2300

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 1, 1920.

Ser. No. 201,779. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed Aug. 22, 1924.

IN-BE-TWEEN

The lining on drawing is for shading only.
Particular description of goods.—Woolen Piece Goods.
Claims use since July 15, 1924.

Ser. No. 201,780. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. J. STURTEVANT, Jr., Fresno, Calif. Filed Aug. 22, 1924.

Sturdy



Particular description of goods.—Fresh Grapes.
Claims use since May 26, 1923.

Ser. No. 201,781. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LILA TAYLOR, doing business as Columbine Baby Chick Company, Denver, Colo. Filed Aug. 22, 1924.

COLUMBINE

Particular description of goods.—Live Poultry—Name-ly, Baby Chicks.
Claims use since about Jan. 1, 1915.

Ser. No. 201,787. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OTTO F. WEIGAND, doing business as C. A. Weigand, Philadelphia, Pa. Filed Aug. 22, 1924. Under ten-year proviso.

FAIRMOUNT

Particular description of goods.—Window Shading in the Piece.
Claims use since spring of 1891.

Ser. No. 201,793. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AUTOMOTIVE HARDWARE CORPORATION, New York, N. Y. Filed Aug. 23, 1924.

STOP-A-SHOCK

Particular description of goods.—Shock-Absorbing or Snubbing Devices for Automobiles and the Like.
Claims use since Apr. 21, 1924.

Ser. No. 201,800. (CLASS 39. CLOTHING.) L. BAMBERGER & CO., Newark, N. J. Filed Aug. 23, 1924.

ST. JAMES

Particular description of goods.—Men's Hats.
Claims use since July 25, 1924.

Ser. No. 201,818. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE NOXAGE CO., Grand Rapids, Mich. Filed Aug. 23, 1924.

Noxage

Particular description of goods.—Nonalcoholic, Maltless Beverages and Syrups for the Same.
Claims use since July 28, 1924.

Ser. No. 201,829. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BERRY BROTHERS, INC., Detroit, Mich. Filed Aug. 25, 1924.

BERRYLOID

Particular description of goods.—Varnish.
Claims use since Aug. 1, 1924.

Ser. No. 201,853. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM CLARENCE PEELER, Columbia, S. C. Filed Aug. 25, 1924.

Silvertip

Particular description of goods.—Nonalcoholic, Maltless Carbonated Beverage Sold as a Soft Drink.
Claims use since Nov. 1, 1923.

Ser. No. 201,858. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RELIANCE MACHINE & STAMPING WORKS, INC., New Orleans, La. Filed Aug. 25, 1924.

TRIPLE "S" AUTOMATIC

No claim is made to the word "Automatic" apart from the mark as shown on the drawing, applicant reserving all common-law rights.

Particular description of goods.—Animal Traps.
Claims use since May, 1924.

Ser. No. 201,863. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN J. STRASSEL & SON INC., New York, N. Y. Filed Aug. 25, 1924.

Imisylk

Particular description of goods.—Cotton Piece Goods.
Claims use since July 31, 1924.

Ser. No. 201,864. (CLASS 39. CLOTHING.) STRONGE AND WARNER COMPANY, St. Paul, Minn. Filed Aug. 25, 1924.

CASINO

Particular description of goods.—Ladies' Hats.
Claims use since Aug. 1, 1924.

Ser. No. 201,869. (CLASS 15. OILS AND GREASES.) WHITE STAR REFINING COMPANY, Detroit, Mich. Filed Aug. 25, 1924.

KNOCKOLINE

Particular description of goods.—Motor Fuel Oil.
Claims use since July 29, 1924.

Ser. No. 201,872. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Aug. 25, 1924.

OBMUROW

Particular description of goods.—Woolen Goods in the Piece.
Claims use since July 31, 1924.

Ser. No. 201,873. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Aug. 25, 1924.

FLOCONNE

Particular description of goods.—Woolen Goods in the Piece.
Claims use since Dec. 1, 1885.

Ser. No. 201,883. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Aug. 26, 1924.

Baby Bunting

Particular description of goods.—Infants' Artificial-Silk and Wool Stockings.
Claims use since March, 1923.

Ser. No. 201,888. (CLASS 39. CLOTHING.) CARSON
PIRIE SCOTT & Co., Chicago, Ill. Filed Aug. 26, 1924.

BOBOLINK

Particular description of goods.—Hosiery.
Claims use since July 21, 1923.

Ser. No. 201,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
COZ LABORATORIES, INC., New York, N. Y. Filed Aug. 26, 1924.

COZ

Particular description of goods.—Preparation for the
Relief of Hay Fever, Head Colds, Asthma, Nose Colds,
and Catarrh.

Claims use since Aug. 1, 1924.

Ser. No. 201,899. (CLASS 14. METALS AND METAL
CASTINGS AND FORGINGS.) ALFRED JACQUES,
New York, N. Y. Filed Aug. 26, 1924.



The words "Tool Steel," "Drill Steel," and "Trade
Mark" are disclaimed apart from the mark shown by
the drawing.

Particular description of goods.—Tool Steels.
Claims use since Mar. 23, 1924.

Ser. No. 201,901. (CLASS 16. PAINTS AND PAINT-
ERS' MATERIALS.) THE LOWE BROTHERS COMPANY,
Dayton, Ohio. Filed Aug. 26, 1924.



Particular description of goods.—Semipaste Paint.
Claims use since Aug. 7, 1924.

Ser. No. 201,908. (CLASS 39. CLOTHING.) STATES
HOSIERY MFG. Co., New York, N. Y. Filed Aug. 26,
1924.

"STATES"

Trade-mark "States."
Particular description of goods.—Hosiery.
Claims use since August, 1921.

Ser. No. 201,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
W. K. AND B., Boston, Mass. Filed Aug. 26, 1924.

W. K. AND B.

Particular description of goods.—Bedbug and Cock-
roach Killer.

Claims use since Jan. 1, 1913.

Ser. No. 201,923. (CLASS 50. MERCHANDISE NOT
OTHERWISE CLASSIFIED.) DIAMOND STATE FIBRE
COMPANY, Elsmere, Del., and Bridgeport, Pa. Filed
Aug. 27, 1924.

Vulcawood

Particular description of goods.—Vulcanized Fiber.
Claims use since July 1, 1924.

Ser. No. 201,930. (CLASS 45. BEVERAGES, NON-
ALCOHOLIC.) FRANCIS H. LEGGETT & COMPANY, New
York, N. Y. Filed Aug. 27, 1924.

"SPORT MODEL"

Particular description of goods.—Ginger Ale.
Claims use since July 1, 1924.

Ser. No. 202,022. (CLASS 1. RAW OR PARTLY-PRE-
PARED MATERIALS.) KUNSTHAARFABRIK DR. FRITZ
POLLAK GESELLSCHAFT M. B. H., Vienna, Austria.
Filed Aug. 29, 1924.

JUVELITH

Particular description of goods.—Condensation Prod-
uct of Phenol and Formaldehyde, Being Masses from
Which May be Made Articles Which are Frequently
Made from Amber, Vulcanite, Ivory, Bone, Coral, and
the Like.

Claims use since Apr. 29, 1920.

Ser. No. 202,039. (CLASS 45. BEVERAGES, NONAL-
COHOLIC.) STRAWBELLO COMPANY OF AMERICA, San
Francisco, Calif. Filed Aug. 29, 1924.

STRAWBELLO

LIQUID SHORT CAKE

Particular description of goods.—Nonalcoholic, Malt-
less Beverage Sold as a Soft Drink.
Claims use since July 2, 1924.

Ser. No. 202,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
BROOKLYN ALCOHOL CORPORATION, Brooklyn, N. Y.
Filed Aug. 30, 1924.

BALCO

Particular description of goods.—Denatured Alcohol.
Claims use since about Oct. 1, 1922.

Ser. No. 202,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
BROOKLYN ALCOHOL CORPORATION, Brooklyn, N. Y.
Filed Aug. 30, 1924.

KWICKIT

Particular description of goods.—Denatured Alcohol
for Dissolving Shellac and Other Varnish Gums.
Claims use since about Oct. 1, 1922.

Ser. No. 202,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MORIS GUTTMAN, doing business as Diamond Drug Co.,
St. Louis, Mo. Filed Aug. 30, 1924.



M. Guttman

For the purpose of this registration and without wai-
ving any common-law rights thereto no claim is made to
the term "Elixir" apart from the mark shown in the
drawing.

Particular description of goods.—Preparation for the
Treatment of Kidney, Liver, and Stomach Troubles and
as a Blood Producer and Body Purifier.

Claims use since December, 1923.

Ser. No. 202,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
LE ROY I. HOCH, doing business as The Mar Mar Prod-
ucts Co., Philadelphia, Pa. Filed Aug. 30, 1924.

MAR-MAR

Trade-mark consists of the words "Mar Mar."
Particular description of goods.—Powder for the Treat-
ment of Headache and Neuralgia.
Claims use since on or about Dec. 12, 1923.

Ser. No. 202,119. (CLASS 39. CLOTHING.) INTER-
NATIONAL SHOE COMPANY, doing business as Hutchin-
son-Winch, St. Louis, Mo., and Boston, Mass. Filed
Sept. 2, 1924.

YEAR ROUND

Particular description of goods.—Slippers of Leather
and of Fabric.
Claims use since about Aug. 13, 1924.

Ser. No. 202,127. (CLASS 4. ABRASIVE, DETER-
GENT, AND POLISHING MATERIALS.) MAIN BELT-
ING COMPANY, Philadelphia, Pa. Filed Sept. 2, 1924.

BLAXTICK

Particular description of goods.—Machinery-Belt Dress-
ing.
Claims use since about February, 1911.

Ser. No. 202,128. (CLASS 26. MEASURING AND SCI-
ENTIFIC APPLIANCES.) MARSHALL FIELD & COM-
PANY, Chicago, Ill. Filed Sept. 2, 1924.

RAMEAU

Particular description of goods.—Opera and Field
Glasses.
Claims use since 1905.

Ser. No. 202,140. (CLASS 23. CUTLERY, MACHIN-
ERY, AND TOOLS, AND PARTS THEREOF.) THE
PEELLE COMPANY, Brooklyn, N. Y. Filed Sept. 2, 1924.



Particular description of goods.—Elevator Fire Doors,
Safety Appliances for Elevator Doors, and Elevator-
Door Operators.
Claims use since 1908.

Ser. No. 202,104. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FRED. ED. EICK, doing business as The Spark-Lin-Ale Company, Martins Ferry, Ohio. Filed Sept. 3, 1924.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since Jan. 1, 1923.

Ser. No. 202,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ROSENBLUM & SON, INC., New York, N. Y. Filed Sept. 3, 1924.



The trade-mark consists of a red circle enclosing a blue letter "A."

Particular description of goods.—Onions in Their Natural State.

Claims use since December, 1913.

Ser. No. 202,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL W. WALTERS, Richmond, Ind. Filed Sept. 3, 1924.



Particular description of goods.—Medicated Healing Salve.

Claims use since about July 1, 1899.

Ser. No. 202,197. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEACH CORN-POPPERS, INC., West Haven, Conn. Filed Sept. 4, 1924.



The picture is fanciful, and exclusive use of the representation of the corn is disclaimed apart from the rest of the mark.

Particular description of goods.—Candied Pop Corn and Candy.

Claims use since May 28, 1924.

Ser. No. 202,204. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Sept. 4, 1924.

TEINTE RONCE

Trade-mark "Teinte Ronce."

Particular description of goods.—Rouges.

Claims use since about May 1, 1924.

Ser. No. 202,220. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PETTIBONE MULLIKEN CO., New York, N. Y. Filed Sept. 4, 1924.



Particular description of goods.—Manganese-Steel Castings.

Claims use since Jan. 15, 1924.

Ser. No. 202,223. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ORVIS M. SAVELS, doing business as O. M. Savels & Co., Worcester, Mass. Filed Sept. 4, 1924.



Particular description of goods.—Cutting Dies.

Claims use since June 30, 1924.

Ser. No. 202,245. (CLASS 39. CLOTHING.) DUOFOLD HEALTH UNDERWEAR COMPANY, Mohawk, N. Y. Filed Sept. 5, 1924.

Duofold

Particular description of goods.—Knitted Underwear for Men, Women, and Children.

Claims use since Aug. 6, 1906.

Ser. No. 202,251. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HASTWELL BROTHERS, Memphis, Tenn. Filed Sept. 5, 1924.

UTILITY

Particular description of goods.—Ax, Adz, Pick, Sledge, Maul, Hammer and Hatchet, and Railroad and Mining Tool Handles.

Claims use since July 1, 1923.

Ser. No. 202,255. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAMAROS & SONS, Bellaire, Ohio. Filed Sept. 5, 1924.



Hercules

Particular description of goods.—Antiseptic Healing and Soothing Ointment.

Claims use since July 15, 1924.

Ser. No. 202,296. (CLASS 39. CLOTHING.) HERMAN M. JOEL & SON, New York, N. Y. Filed Sept. 6, 1924.



Particular description of goods.—Boys' Suits and Boys' Overcoats and Boys' Knickerbockers.

Claims use since July 29, 1924.

Ser. No. 202,302. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLIVER AND SHERROD HOG CHOLERA MEDICINE CO., Kansas City, Mo. Filed Sept. 6, 1924.

"O" and "S"

Particular description of goods.—Internal Medicine for Treatment of Hog Cholera.

Claims use since Aug. 26, 1924.

Ser. No. 202,329. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Sept. 8, 1924.

SUNRISE

Particular description of goods.—Vegetal, Compact Powder, Sachet, Talcum Powder, Bath Salts, Brilliantine Liquid, Brilliantine Concrete, Cold Cream, Skin and Tissue Cream, Dusting Powder, Bath Tablets, Dry Rouge, Greaseless Cream, Cleansing Cream, and Perfume.

Claims use since Aug. 14, 1924.

Ser. No. 202,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EFF-DEE PRODUCTS CO., St. Louis, Mo. Filed Sept. 8, 1924.

AMBRE

Particular description of goods.—Antiseptic Preparation for the Treatment of Dandruff and Kindred Diseases.

Claims use since September, 1923.

Ser. No. 202,344. (CLASS 39. CLOTHING.) ANNA H. HUNTER, Los Angeles, Calif. Filed Sept. 8, 1924.

Birhstone

Particular description of goods.—Dresses.

Claims use since July 2, 1924.

Ser. No. 202,379. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed Sept. 9, 1924.

BOBBETTES

Particular description of goods.—Hosiery.

Claims use since July 1, 1924.

Ser. No. 202,416. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PAGE STEEL & WIRE COMPANY, Adrian, Mich., and Bridgeport, Conn. Filed Sept. 9, 1924.

HI-WAY

Particular description of goods.—Wire Fence.
Claims use since Jan. 8, 1924.

Ser. No. 202,439. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Sept. 10, 1924.

SAGA

Particular description of goods.—Negligee and Dress Shirts.
Claims use since July 30, 1924.

Ser. No. 202,442. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EFF-DEE PRODUCTS CO., St. Louis, Mo. Filed Sept. 10, 1924.

Eff-dee

Particular description of goods.—Bay Rum, Face Cream, Hairdressing, Hair Tonic, Massage Cream, Shampoo, Talcum Powder, and Toilet Water.
Claims use since Aug. 20, 1920.

Ser. No. 202,447. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM R. GLASGOW, doing business as Glasgow Engineering Company, St. Louis, Mo. Filed Sept. 10, 1924.

Dig-a-Load

Particular description of goods.—Machines for Excavating and Handling Materials.
Claims use since May 2, 1924.

Ser. No. 202,471. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEICHSEL LABORATORIES, Dallas, Tex. Filed Sept. 10, 1924.

HEDOIL

Particular description of goods.—Chemical Preparation Suitable for Dandruff and Scalp Treatment.
Claims use since May, 1920.

Ser. No. 202,521. (CLASS 10. FERTILIZERS.) THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Filed Sept. 11, 1924.

SACCO

Particular description of goods.—Plant Food and Fertilizers.
Claims use since June, 1924.

Ser. No. 202,522. (CLASS 10. FERTILIZERS.) THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Filed Sept. 11, 1924.

SMITHS

Particular description of goods.—Plant Food and Fertilizers.
Claims use since June, 1924.

Ser. No. 202,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY C. WITZ, Indiana Harbor, Ind. Filed Sept. 11, 1924.



Henry C. Witz

The trade-mark includes a facsimile of a portrait and the signature of the applicant.
Particular description of goods.—Foot Powder.
Claims use since July 10, 1924.

Ser. No. 202,540. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN MACHINE & FOUNDRY CO., Brooklyn, N. Y. Filed Sept. 12, 1924.



Particular description of goods.—Cigar, Cigarette, and Tobacco Machinery and Parts Thereof, Wrapping Machinery and Parts Thereof, Rotary Pumps and Parts Thereof.
Claims use since Feb. 9, 1924.

Ser. No. 202,553. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Sept. 12, 1924.

CADALYTE

Particular description of goods.—Metallic Salts for Electrolytic Plating.
Claims use since Aug. 25, 1924.

Ser. No. 202,560. (CLASS 39. CLOTHING.) MARVEL MAID GARMENT CO., Chicago, Ill. Filed Sept. 12, 1924.



Particular description of goods.—Women's Wearing Apparel, Petticoats, Bloomers, and Princess Slips.
Claims use since Sept. 4, 1924.

Ser. No. 202,568. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) U. S. CHLORINHALER COMPANY, Washington, D. C. Filed Sept. 12, 1924.

Chlorinhaler

Particular description of goods.—Chlorine-Gas Inhalers.
Claims use since August, 1924.

Ser. No. 202,607. (CLASS 15. OILS AND GREASES.) THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed September 15, 1924.

AUTOSERVATORY

Particular description of goods.—Black Oils, Compounded Oils, Crude Oils, Cutting Oils, Cylinder Oils, Dynamo Oils, Engine Oils, Fuel Oils, Gas Oils, Heating Oils, Illuminating Oils, Journal Oils, Kerosene Oils, Lubricating Oils, Motor Oils, Neutral Oils, Paraffin Oils, Road Oils, Roofing Oils, Standard-White Illuminating Oils, Transformer Oils, Transmission Oils, Turbine Oils, Water-White Illuminating Oils, Spindle Oils, Axle Greases, Black Greases, Gear Greases, Lubricating Greases, Petroleum Greases, Transmission Greases, Candles, Gasolines, Naphthas, Paraffin Wax, and Rust Preventive in the Nature of Oils and Greases.
Claims use since on or about Aug. 23, 1924.

Ser. No. 202,641. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICHARDS-STANLEY MFG. CO., Hillsboro, Ohio. Filed Sept. 15, 1924.

BIG 5

Particular description of goods.—Oilers for Automobile Engines.
Claims use since June 1, 1923.

Ser. No. 202,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. K. FIRTH, Jr., San Francisco, Calif. Filed Sept. 17, 1924.

CRESOIL

Particular description of goods.—Compound Used as a Wood Preservative and a Weed Killer.
Claims use since July 26, 1915.

Ser. No. 202,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Sept. 17, 1924.



Particular description of goods.—Mouth Washes. Claims use since Aug. 21, 1921.

Ser. No. 202,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANZOLINE PRODUCTS COMPANY, St. Louis, Mo. Filed Sept. 18, 1924.

ANZENE

Particular description of goods.—Chemical Motor-Fuel Ingredient to be Mixed with Gasoline Intended to Increase Power and Mileage and to Prevent the Forming of Carbon. Claims use since Sept. 6, 1924.

Ser. No. 202,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANZOLINE PRODUCTS COMPANY, St. Louis, Mo. Filed Sept. 18, 1924.

KRAGOLENE

Particular description of goods.—Chemical Motor-Fuel Ingredient to be Mixed with Gasoline Intended to Increase Power and Mileage and to Prevent the Forming of Carbon. Claims use since Sept. 6, 1924.

Ser. No. 202,749. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 18, 1924.

"Supertwist"

Particular description of goods.—Vehicle Tires Composed of Rubber and Fabric. Claims use since Sept. 10, 1924.

Ser. No. 202,755. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY J. KOEHN, doing business as The Koehn Manufacturing Company (Not Inc.), Chicago, Ill. Filed Sept. 18, 1924.

Ekko

Particular description of goods.—Laxative. Claims use since Sept. 12, 1924.

Ser. No. 202,768. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CRAVER-DICKINSON SEED COMPANY, Buffalo, N. Y. Filed Sept. 11, 1924.

GOLD

Particular description of goods.—Corn and Seed Grains. Claims use since Jan. 1, 1901.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

OCTOBER 28, 1924.

190,813. MULTIPLY WOOD VENEER. LAMINATED MATERIALS COMPANY LIMITED, New Westminster, British Columbia, Canada.

Filed March 7, 1924. Serial No. 193,404. PUBLISHED AUGUST 19, 1924.

190,814. PROTECTIVE COMPOSITION FOR METALLIC SURFACES. ALCORO CHEMICAL COMPANY, New York, N. Y.

Filed March 7, 1924. Serial No. 193,372. PUBLISHED JUNE 3, 1924.

190,815. FIRELESS-COOKER ATTACHMENTS FOR COOKING RANGES. CHAMBERS MANUFACTURING COMPANY, Shelbyville, Ind.

Filed March 5, 1924. Serial No. 193,271. PUBLISHED AUGUST 12, 1924.

190,816. METAL BEARINGS. STEWART MANUFACTURING CORPORATION, Chicago, Ill.

Filed March 1, 1924. Serial No. 193,140. PUBLISHED AUGUST 19, 1924.

190,817. A COMBINATION POCKETKNIFE AND COMB CONTAINED IN A SUITABLE CASE. CHARLES H. SHERMAN, doing business as H. D. Merritt & Co., North Attleboro, Mass.

Filed March 1, 1924. Serial No. 193,136. PUBLISHED AUGUST 12, 1924.

190,818. MOTOR-TRUCK BODIES. LEE TRAILER & BODY COMPANY, Chicago, Ill.

Filed February 29, 1924. Serial No. 193,053. PUBLISHED AUGUST 12, 1924.

190,819. AUTOMOBILE ACCESSORIES—NAMESLY, BUMPERS, RADIATOR FRONTS, AND STEP PLATES. CHARLES BARTON, doing business as National Plating Works, Jacksonville, Fla.

Filed February 25, 1924. Serial No. 192,750. PUBLISHED AUGUST 19, 1924.

190,820. COFFEE, TEA, SPICES, PEANUT BUTTER, AND POTATO CHIPS, CANDY, AND SALTED PEANUTS. SECKEL-FRITCHMAN AND COMPANY, a Corporation, Boise, Idaho.

Filed February 19, 1924. Serial No. 192,547. PUBLISHED AUGUST 19, 1924.

190,821. SOFT DRINKS. ORANGE CRUSH CO., Chicago, Ill.

Filed February 18, 1924. Serial No. 192,493. PUBLISHED AUGUST 19, 1924.

190,822. CHOCOLATE. JOH. GOTTL. HAUSWALDT, Magdeburg, Germany.

Filed February 14, 1924. Serial No. 192,253. PUBLISHED AUGUST 12, 1924.

190,823. FISHING TACKLE. EDW. K. TRYON COMPANY, Philadelphia, Pa.

Filed February 13, 1924. Serial No. 192,225. PUBLISHED AUGUST 19, 1924.

190,824. PIPE JOINTS, WELL CASINGS, AND WATER PIPES. LOS ANGELES MANUFACTURING COMPANY, Los Angeles, Calif.

Filed February 4, 1924. Serial No. 191,777. PUBLISHED AUGUST 19, 1924.

190,825. CANDY. PACIFIC COAST BISCUIT CO., Seattle, Wash.

Filed January 23, 1924. Serial No. 191,183. PUBLISHED AUGUST 19, 1924.

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190,826. LATHES, DRILLS, MILLERS, AND GRINDERS. THE WATSON MANUFACTURING CO., Toledo, Ohio.

Filed January 21, 1924. Serial No. 191,110. PUBLISHED AUGUST 12, 1924.

190,827. WOOD FILLERS. JACOB ADLER, Brooklyn, N. Y., assignor to Adler Chemical Co., Portland, Oreg., a Corporation of Oregon.

Filed January 11, 1924. Serial No. 190,665. PUBLISHED AUGUST 19, 1924.

190,828. AUTOMOBILE RADIATORS. W. D. BLOOD & COMPANY, Inc., New York, N. Y.

Filed December 15, 1923. Serial No. 189,702. PUBLISHED AUGUST 12, 1924.

190,829. CERTAIN NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. AUGUST CHARLES HERTING, doing business as X L Pharmacal Co., Merchantville, N. J.

Filed December 6, 1923. Serial No. 189,312. PUBLISHED JULY 29, 1924.

190,830. LEATHERS. MCNEELY COMPANY, Philadelphia, Pa.

Filed November 8, 1923. Serial No. 188,126. PUBLISHED AUGUST 12, 1924.

190,831. CANNED FRUITS, CANNED VEGETABLES, ETC. THE SISSON-SEIELSTAD-HOUGEN CO., La Crosse, Wis.

Filed October 19, 1923. Serial No. 187,232. PUBLISHED AUGUST 19, 1924.

190,832. METAL LATH. THE GOLDSMITH METAL LATH COMPANY, Cincinnati, Ohio.

Filed October 15, 1923. Serial No. 186,991. PUBLISHED AUGUST 19, 1924.

190,833. LIME. EDWARD BRYANT COMPANY, Boston, Mass.

Filed September 20, 1923. Serial No. 185,953. PUBLISHED AUGUST 19, 1924.

190,834. COAL. BUEL WELSH RICHARDS, Beach, N. Dak.

Filed September 19, 1923. Serial No. 185,939. PUBLISHED AUGUST 19, 1924.

190,835. WATER-SOLUBLE CONCRETE PASTE FOR DENSIFYING, STRENGTHENING, AND WATER-PROOFING OF CONCRETE. PITTSBURGH BUILDING SPECIALTIES COMPANY, Pittsburgh, Pa.

Filed August 22, 1923. Serial No. 184,869. PUBLISHED AUGUST 12, 1924.

190,836. GYPSUM PLASTER BOARDS. THE ONTARIO GYPSUM CO. LIMITED, Paris, Ontario, Canada.

Filed March 28, 1924. Serial No. 194,610. PUBLISHED AUGUST 12, 1924.

190,837. VARNISH STAINS, VARNISHES, PAINT ENAMELS, AND READY-MIXED PAINTS. CENTRAL GLASS COMPANY, Louisville, Ky.; Huntington, W. Va.; Chattanooga, Tenn.; Evansville, Ind.; and Bristol, Va.

Filed March 28, 1924. Serial No. 194,590. PUBLISHED JULY 1, 1924.

190,838. LUBRICATING OILS AND GREASES—NAMESLY, MOTOR, CYLINDER, ENGINE, AND TRACTOR OIL, CUP AND GEAR GREASE. CAIN OIL COMPANY, San Antonio, Tex.

Filed March 27, 1924. Serial No. 194,525. PUBLISHED AUGUST 19, 1924.

- 190,839. CANNED FRUITS AND FRUIT PRESERVES, ETC. ROYAL BLUE STORES, INC., Chicago, Ill. Filed March 26, 1924. Serial No. 194,486. PUBLISHED AUGUST 19, 1924.
- 190,840. CANDY; CANDY-COATED NUTS—NAMESLY. ALMONDS; CONFECTIONS COMPOSED OF NUT MEATS, CHOCOLATE AND FONDANT. WILLIAM PRENTISS, JR., doing business as California Almond Confections Company, Long Beach, Calif. Filed March 26, 1924. Serial No. 194,475. PUBLISHED AUGUST 19, 1924.
- 190,841. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. PROGRESS PAINT MFG. CO., Louisville, Ky. Filed March 25, 1924. Serial No. 194,413. PUBLISHED JUNE 17, 1924.
- 190,842. [WITHDRAWN.]
- 190,843. POTATOES IN THEIR NATURAL STATE. REED BROS., Fort Fairfield, Me. Filed March 24, 1924. Serial No. 194,375. PUBLISHED AUGUST 19, 1924.
- 190,844. FELDSPAR. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed March 22, 1924. Serial No. 194,294. PUBLISHED AUGUST 26, 1924.
- 190,845. FINISH FOR METAL, WOOD, LEATHER, OR FIBER SURFACES IN THE NATURE OF A PAINT. DITZLER COLOR COMPANY, Detroit, Mich. Filed March 22, 1924. Serial No. 194,261. PUBLISHED JUNE 17, 1924.
- 190,846. RADIO OUTFITS, DEVICES, AND ACCESSORIES. POLYDINE CORPORATION, New York, N. Y. Filed March 21, 1924. Serial No. 194,213. PUBLISHED JULY 22, 1924.
- 190,847. PREPARED ROOFING PRODUCTS, PARTICULARLY SHINGLES, SLABS, AND ROLLS. THE RICHARDSON COMPANY, Lockland, Ohio. Filed March 17, 1924. Serial No. 193,960. PUBLISHED AUGUST 19, 1924.
- 190,848. FURNITURE POLISH. NICHOLAS DEAKIDES, Athens, Ga. Filed March 12, 1924. Serial No. 193,662. PUBLISHED JUNE 17, 1924.
- 190,849. IMITATION MOTHER-OF-PEARL IN BULK. JEAN PAISSEAU, Paris, France. Filed March 11, 1924. Serial No. 193,619. PUBLISHED AUGUST 12, 1924.
- 190,850. CERTAIN FOOD PRODUCTS. BLANCHETTE & GAZZARA CORP., Chicago, Ill. Filed March 11, 1924. Serial No. 193,568. PUBLISHED AUGUST 19, 1924.
- 190,851. PAINT REMOVERS. WASHOFF PRODUCTS COMPANY, Lima, Ohio. Filed March 10, 1924. Serial No. 193,560. PUBLISHED JUNE 24, 1924.
- 190,852. PAINT AND VARNISH REMOVERS. AMERICAN PAINT AND VARNISH REMOVER COMPANY, New York, N. Y. Filed March 8, 1924. Serial No. 193,438. PUBLISHED MAY 20, 1924.
- 190,853. SHEET FABRIC COMPRISING UNWOVEN COTTON IMPREGNATED WITH AN ADHESIVE, WHICH IS MADE UP AND SOLD AS PIECE GOODS, TO BE CUT UP AND USED FOR STAYS AND OTHER INSIDE PARTS OF BOOTS, SHOES, AND FOR OTHER PURPOSES. RESPRO INC., Providence, R. I. Filed April 12, 1922. Serial No. 162,200. PUBLISHED AUGUST 12, 1924.

- 190,854. FLYCATCHERS. ERNST COTTE, doing business as Oskar Sögel, Leipzig, Germany. Filed April 12, 1922. Serial No. 162,213. PUBLISHED AUGUST 12, 1924.
- 190,855. BUMPERS, BUMPER BRACKETS, AND BUMPER FITTINGS. COX BRASS MANUFACTURING COMPANY, Albany, N. Y., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland Ohio, a Corporation of Ohio. Filed April 24, 1922. Serial No. 162,804. PUBLISHED APRIL 17, 1923.
- 190,856. POULTRY FEED. QUISENBERRY FEED MFG. CO., Kansas City, Mo. Filed May 22, 1922. Serial No. 164,265. PUBLISHED APRIL 3, 1923.
- 190,857. ENAMELED STAMPED METAL TABLE TOPS AND KITCHEN SHELVES. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed June 26, 1922. Serial No. 166,031. PUBLISHED AUGUST 19, 1924.
- 190,858. MANUFACTURED OR SUBSTITUTE LEATHER. RESPRO INC., Providence, R. I. Filed July 1, 1922. Serial No. 166,404. PUBLISHED AUGUST 12, 1924.
- 190,859. WHEAT FLOUR. KERLOR FLOUR MILLS COMPANY, St. Louis, Mo. Filed September 25, 1922. Serial No. 169,908. PUBLISHED JULY 31, 1923.
- 190,860. REFRACTORY CEMENTS. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed September 28, 1922. Serial No. 170,028. PUBLISHED AUGUST 12, 1924.
- 190,861. FLOWERING PLANTS—TO WIT, PANSIES. EDWARD F. RAUMANN, Cromwell, Conn. Filed September 30, 1922. Serial No. 170,117. PUBLISHED AUGUST 19, 1924.
- 190,862. BUTTER. VEENSTRA PRODUCE CO., CHmax, Mich. Filed October 7, 1922. Serial No. 170,452. PUBLISHED JUNE 5, 1923.
- 190,863. OHMIC RESISTANCES FOR CONTROLLING ELECTRICAL CURRENTS, PARTICULARLY ADAPTED FOR RADIO RECEIVING SETS AND THE LIKE. SCHOLES RADIO AND MANUFACTURING CORP., New York, N. Y. Filed October 12, 1922. Serial No. 170,673. PUBLISHED JULY 22, 1924.
- 190,864. SHOCK ABSORBERS. NOJAR MANUFACTURING CO., INC., New York, N. Y. Filed November 20, 1922. Serial No. 172,288. PUBLISHED AUGUST 19, 1924.
- 190,865. SHEET-METAL SHINGLES. UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed January 3, 1923. Serial No. 174,159. PUBLISHED AUGUST 19, 1924.
- 190,866. PRESSURE GAUGES, MANOMETERS, INDICATOR GAUGES, STEAM GAUGES, GAUGE FITTINGS FOR THE FOREGOING GAUGES, AND REVOLUTION COUNTERS. NELSON VALVE COMPANY, now by change of name Nelson Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed March 17, 1923. Serial No. 177,614. PUBLISHED AUGUST 19, 1924.
- 190,867. TABLE TOPS, CHEMICAL PANS (FOR EVAPORATING, DRYING, ETC.), WASHTUB COVERS, BRICK PALLETS, ENAMELED SIGNS, STEAM-TABLE PANS AND COVERS, ENAMELED SERVING TRAYS, ENAMELED RESTAURANT FITTINGS, ENAMELED SCALE PANS, AND ENAMELED COOKING UTENSILS. VITREOUS ENAMELING COMPANY, Cleveland, Ohio. Filed April 2, 1923. Serial No. 178,484. PUBLISHED AUGUST 12, 1924.

- 190,868. REFRACTORY BRICKS AND HIGH-TEMPERATURE CEMENT. LEONARD B. BOTFIELD, doing business as Botfield Refractories Company, Philadelphia, Pa. Filed April 25, 1923. Serial No. 179,653. PUBLISHED AUGUST 12, 1924.
- 190,869. ICE-CREAM CONFECTION. MICHAEL P. PAPADIMITRIW, Akron, Ohio. Filed April 25, 1923. Serial No. 179,676. PUBLISHED AUGUST 19, 1924.
- 190,870. PACKINGS, PNEUMATIC TIRES, INNER TUBES, TIRE PATCHES, AND BELTING. SOCIÉTÉ FRANÇAISE TRÉGOLNIK, Levallois-Perret, Seine, France. Filed June 7, 1923. Serial No. 181,654. PUBLISHED AUGUST 19, 1924.
- 190,871. CANDY. THE M. H. SCOTT CANDY COMPANY, Mansfield, Ohio. Filed June 22, 1923. Serial No. 182,363. PUBLISHED AUGUST 19, 1924.
- 190,872. DRIED AND CANNED FRUITS AND VEGETABLES. UNITED STATES PRODUCTS CORPORATION, San Francisco, Calif. Filed August 8, 1923. Serial No. 184,223. PUBLISHED AUGUST 19, 1924.
- 190,873. FLOOR AND FURNITURE WAX. WALTER T. TERRY, JR., Wichita, Kans. Filed May 23, 1924. Serial No. 197,505. PUBLISHED AUGUST 19, 1924.
- 190,874. CIGARS. TICHENOR CIGAR CO., INC., Peekskill, N. Y. Filed May 2, 1924. Serial No. 196,487. PUBLISHED AUGUST 12, 1924.
- 190,875. CONVEYERS OF ALL KINDS, PAINT AND ENAMEL APPLICATION MACHINES OF VARIOUS KINDS. C. M. S., INC., Tarrytown, N. Y. Filed May 23, 1924. Serial No. 197,468. PUBLISHED AUGUST 19, 1924.
- 190,876. GAME APPARATUS. SNAP-BALL CO., INC., Brooklyn, N. Y. Filed May 3, 1924. Serial No. 196,548. PUBLISHED AUGUST 19, 1924.
- 190,877. VARNISH. BERRY BROTHERS, INC., Detroit, Mich. Filed May 5, 1924. Serial No. 196,569. PUBLISHED JUNE 10, 1924.
- 190,878. CUT LACE LEATHER AND LACE LEATHER IN SIDES. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Filed May 6, 1924. Serial No. 196,658. PUBLISHED AUGUST 12, 1924.
- 190,879. DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, VARNISH, AND LACQUERS. REPUBLIC VARNISH COMPANY, Newark, N. J. Filed May 7, 1924. Serial No. 196,712. PUBLISHED JULY 8, 1924.
- 190,880. FLOWER BULBS. W. ATLEE BURPEE COMPANY, Philadelphia, Pa. Filed May 8, 1924. Serial No. 196,727. PUBLISHED AUGUST 19, 1924.
- 190,881. POPPET VALVES FOR INTERNAL-COMBUSTION ENGINES. RICH TOOL COMPANY, Chicago, Ill. Filed May 9, 1924. Serial No. 196,822. PUBLISHED AUGUST 19, 1924.
- 190,882. POPPET VALVES FOR INTERNAL-COMBUSTION ENGINES. RICH TOOL COMPANY, Chicago, Ill. Filed May 9, 1924. Serial No. 196,823. PUBLISHED AUGUST 19, 1924.
- 190,883. COAL. CLINCHFIELD COAL CORPORATION, Dante, Va. Filed May 14, 1924. Serial No. 197,016. PUBLISHED AUGUST 12, 1924.

- 190,884. FRESH APPLES AND PRUNES. THE FRUIT-LAND FRUIT ASSOCIATION, Fruitland, Idaho. Filed May 15, 1924. Serial No. 197,069. PUBLISHED AUGUST 19, 1924.
- 190,885. AUTOMOBILE MIRRORS. THE ACME SPECIALTY MFG. CO., Toledo, Ohio. Filed May 16, 1924. Serial No. 197,125. PUBLISHED AUGUST 12, 1924.
- 190,886. CANDY. SHOTWELL MFG. CO., Chicago, Ill. Filed May 16, 1924. Serial No. 197,173. PUBLISHED AUGUST 19, 1924.
- 190,887. BLACK PIGMENTS FOR PAINTS AND VARNISHES. BINNEY & SMITH COMPANY, New York, N. Y. Filed May 17, 1924. Serial No. 197,184. PUBLISHED AUGUST 19, 1924.
- 190,888. TAXICABS. PREMIER MOTORS, INCORPORATED, Indianapolis, Ind. Filed May 17, 1924. Serial No. 197,219. PUBLISHED AUGUST 19, 1924.
- 190,889. RADIATOR COVERS FOR HEATING RADIATORS. ART METAL PRODUCTS COMPANY, Chicago, Ill. Filed May 19, 1924. Serial No. 197,241. PUBLISHED AUGUST 19, 1924.
- 190,890. DRIED RAISINS. INDERBIEDEN CANNING CO., Chicago, Ill. Filed May 19, 1924. Serial No. 197,278. PUBLISHED AUGUST 19, 1924.
- 190,891. SCREENS, PICKING TABLES, LOADING BOOMS, MINE TRIPPLES, LOCOMOTIVE-COALING STATIONS, CINDER HOISTS, AND MATERIAL HANDLING, CONVEYING, AND TREATING MACHINERY. ROBERTS AND SCHAEFER COMPANY, Chicago, Ill. Filed May 19, 1924. Serial No. 197,296. PUBLISHED AUGUST 12, 1924.
- 190,892. PRINTING PRESSES AND PARTS THEREOF AND MATERIAL-FEEDING ATTACHMENTS THEREFOR. LISNEY MANUFACTURING COMPANY, Fresno, Calif. Filed May 21, 1924. Serial No. 197,381. PUBLISHED AUGUST 19, 1924.
- 190,893. GASOLINE. THE FEL-OYLE COMPANY, Findlay, Ohio. Filed June 28, 1924. Serial No. 199,279. PUBLISHED AUGUST 19, 1924.
- 190,894. CORKS FOR BOTTLES AND THE LIKE AND CAPS OR CAPSULES FOR APPLICATION OVER THE STOPPERS OR OTHER CLOSURES OF BOTTLES AND JARS TO SEAL THE SAME. VISCOSE DEVELOPMENT COMPANY LIMITED, Bromley, England. Filed June 27, 1924. Serial No. 199,268. PUBLISHED AUGUST 12, 1924.
- 190,895. COMPRESSED-AIR ENGINES. ETABLISSEMENTS FRANÇOIS, SOCIÉTÉ ANONYME, Bressoux, near Liège, Belgium. Filed June 27, 1924. Serial No. 199,221. PUBLISHED AUGUST 19, 1924.
- 190,896. EGGS. GEO. F. WAGNER CO., INCORPORATED, New York, N. Y. Filed June 26, 1924. Serial No. 199,200. PUBLISHED AUGUST 12, 1924.
- 190,897. COFFEE. JOSEPH MARTINSON, New York, N. Y. Filed June 26, 1924. Serial No. 199,175. PUBLISHED AUGUST 12, 1924.
- 190,898. CANNED FRUITS AND CANNED VEGETABLES. MANTECA CANNING COMPANY, Manteca, Calif. Filed June 26, 1924. Serial No. 199,172. PUBLISHED AUGUST 12, 1924.

- 190,899. CANNED FRUITS AND CANNED VEGETABLES. MANTICA CANNING COMPANY, Manteca, Calif.
Filed June 26, 1924. Serial No. 190,173. PUBLISHED AUGUST 12, 1924.
- 190,900. CIGARETTES. L. F. HUGHES, Mingo Junction, Ohio.
Filed June 26, 1924. Serial No. 190,165. PUBLISHED AUGUST 19, 1924.
- 190,901. LUBRICANTS. CARR FASTENER COMPANY, Cambridge, Mass.
Filed June 25, 1924. Serial No. 190,107. PUBLISHED AUGUST 19, 1924.
- 190,902. FRESH CITROUS FRUITS—NAMES, FRESH ORANGES AND FRESH LEMONS. TAPO CITRUS ASSOCIATION, Santa Susana, Calif.
Filed June 24, 1924. Serial No. 190,097. PUBLISHED AUGUST 12, 1924.
- 190,903. BRAKE LININGS AND CLUTCH FACINGS. THE P-D AUTO PARTS, INC., Meriden, Conn.
Filed June 24, 1924. Serial No. 190,087. PUBLISHED AUGUST 12, 1924.
- 190,904. CANDY. BUNTE BROTHERS, doing business as Bunte's, Chicago, Ill.
Filed June 24, 1924. Serial No. 190,038. PUBLISHED AUGUST 12, 1924.
- 190,905. WHEAT FLOUR. STANARD TILTON MILLING COMPANY, St. Louis, Mo.
Filed June 23, 1924. Serial No. 190,026. PUBLISHED AUGUST 12, 1924.
- 190,906. DOLLS. FRANK O. KING, Chicago, Ill.
Filed June 23, 1924. Serial No. 190,008. PUBLISHED AUGUST 19, 1924.
- 190,907. DOLLS. FRANK O. KING, Chicago, Ill.
Filed June 23, 1924. Serial No. 190,007. PUBLISHED AUGUST 19, 1924.
- 190,908. DOLLS. FRANK O. KING, Chicago, Ill.
Filed June 23, 1924. Serial No. 190,006. PUBLISHED AUGUST 19, 1924.
- 190,909. CAKE MIX. HIRSCH BROTHERS CO., Chicago, Ill.
Filed June 23, 1924. Serial No. 190,003. PUBLISHED AUGUST 12, 1924.
- 190,910. GREEN COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed June 20, 1924. Serial No. 198,901. PUBLISHED AUGUST 12, 1924.
- 190,911. GREEN COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed June 20, 1924. Serial No. 198,900. PUBLISHED AUGUST 12, 1924.
- 190,912. GREEN COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed June 20, 1924. Serial No. 198,899. PUBLISHED AUGUST 12, 1924.
- 190,913. CANDY. ROWNTREE AND COMPANY LIMITED, York, England, and Poughkeepsie, N. Y.
Filed April 29, 1924. Serial No. 196,317. PUBLISHED AUGUST 12, 1924.
- 190,914. PAINTS OF VARIOUS KINDS, INCLUDING ENAMELS AND ANTICORROSION AND ANTI-FOULING COMPOSITIONS. RED HAND COMPOSITIONS COMPANY, INC., New York, N. Y.
Filed April 26, 1924. Serial No. 196,193. PUBLISHED JUNE 10, 1924.
- 190,915. AUTOMOBILE AND FURNITURE POLISH. GEORGE A. SAUER, Louisville, Ky.
Filed April 24, 1924. Serial No. 196,077. PUBLISHED AUGUST 19, 1924.
- 190,916. LEATHER BELTING. WESTERN RAWHIDE & BELTING CO., Milwaukee, Wis.
Filed April 23, 1924. Serial No. 196,039. PUBLISHED AUGUST 19, 1924.

- 190,917. PAINT FOR PROTECTIVE, DECORATIVE, AND SANITARY PURPOSES FOR USE ON BRICK, PLASTER, CONCRETE, METAL, AND OTHER SURFACES. DETROIT GRAPHITE COMPANY, Detroit, Mich.
Filed April 21, 1924. Serial No. 195,875. PUBLISHED JUNE 10, 1924.
- 190,918. TOYS—NAMES, IN THE FORM OF HORSES, WAGONS, DUMP CARTS, BELLS, AND WHEELBARROWS. ART CRAFT FICTURE CO., Newark, N. J.
Filed April 21, 1924. Serial No. 195,856. PUBLISHED AUGUST 19, 1924.
- 190,919. COMPOUND BUILT-IN ALTARS, PULPITS, ROOD SCREENS, PEWS, SEATS, BENCHES, CHAIRS, RAILINGS, TABLES, PEDESTALS, STANDS, KNEELING STOOLS, AND COMMUNION AND CHRISTENING FONTS. THE KALITA CO., St. Louis, Mo.
Filed April 18, 1924. Serial No. 195,748. PUBLISHED AUGUST 19, 1924.
- 190,920. METAL CASTINGS, METAL INGOTS, SHEET METAL, METAL BARS, WIRE, FORGINGS, STAMPED AND PRESSED METALS, AND ALUMINUM ALLOYS. MAJOR ENGINEERING CORPORATION, Chicago, Ill.
Filed April 17, 1924. Serial No. 195,704. PUBLISHED AUGUST 12, 1924.
- 190,921. FLUID-MEASURING PUMPS AND METERS. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed April 16, 1924. Serial No. 195,660. PUBLISHED AUGUST 19, 1924.
- 190,922. PUMPS FOR OIL AND OTHER FLUIDS AND REMOTE CONTROL VALVES. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed April 16, 1924. Serial No. 195,659. PUBLISHED AUGUST 19, 1924.
- 190,923. SELF-RIGHTING TRAFFIC SEMAPHORES. GRISWOLD SAFETY SIGNAL CO., Minneapolis, Minn.
Filed April 16, 1924. Serial No. 195,636. PUBLISHED AUGUST 12, 1924.
- 190,924. OIL COMPOUND USED AS A CLEANER AND POLISH FOR AUTOMOBILES, FURNITURE, FLOORS, AND OTHER FINISHED SURFACES AND HAVING INCIDENTAL PROPERTIES AS A DISINFECTANT AND DEODORIZER. JAMES M. MURPHY, St. Albans, Vt.
Filed April 15, 1924. Serial No. 195,587. PUBLISHED JUNE 24, 1924.
- 190,925. SILICA. PENNSYLVANIA GLASS SAND COMPANY, Lewistown, Pa.
Filed April 11, 1924. Serial No. 195,417. PUBLISHED AUGUST 5, 1924.
- 190,926. PORK AND PORK PRODUCTS—NAMES, BACON, HAM, AND LARD. THE H. H. MAYER PACKING COMPANY, Cincinnati, Ohio.
Filed April 11, 1924. Serial No. 195,407. PUBLISHED AUGUST 12, 1924.
- 190,927. FILLING AND PRIMING COMPOUNDS. THOMAS H. DOWNWARD, doing business as Elastic Compound Paint Company, Philadelphia, Pa.
Filed April 9, 1924. Serial No. 195,223. PUBLISHED AUGUST 19, 1924.
- 190,928. WASH AND POLISH TO BE APPLIED TO AUTOMOBILES, FURNITURE AND LEATHER GOODS. FRANK HAKLISCH, doing business as Reflecto Wash & Polish Co., New York, N. Y.
Filed April 8, 1924. Serial No. 195,170. PUBLISHED AUGUST 19, 1924.
- 190,929. AUTOMOBILE SEAT COVERS. ECONOMY COVER COMPANY, INC., Marlin, Tex.
Filed April 8, 1924. Serial No. 195,160. PUBLISHED AUGUST 12, 1924.

- 190,930. PASTE PAINT. CENTRAL PAINT & VARNISH MFG. CO., Kansas City, Mo.
Filed April 7, 1924. Serial No. 195,095. PUBLISHED MAY 20, 1924.
- 190,931. CANDY LOZENGES. MAYBREATH COMPANY, Chicago, Ill.
Filed April 5, 1924. Serial No. 195,064. PUBLISHED AUGUST 12, 1924.
- 190,932. PICTURE-PROJECTION SETS OR OUTFITS, PICTURE-PROJECTION APPARATUS AND MACHINES, CARRYING CASES THEREFOR, PICTURES AND SETS OF PICTURES ADAPTED FOR PROJECTION, DESCRIPTIVE MATTER COORDINATED AND RELATED TO SAID PICTURES AND SETS OF PICTURES, AND CABINETS ADAPTED FOR RECEIVING SAID PROJECTION APPARATUS, PICTURES, AND PRINTED MATTER. SOCIETY FOR VISUAL EDUCATION, Chicago, Ill.
Filed March 29, 1924. Serial No. 194,676. PUBLISHED AUGUST 19, 1924.
- 190,933. FOOD OR TONIC FOR PLANTS, FLOWERS, AND SHRUBBERY. WASHINGTON ABATTOIR CO. INC., Benning, D. C.
Filed May 31, 1924. Serial No. 197,917. PUBLISHED AUGUST 19, 1924.
- 190,934. SHINGLES. HUNTING-MERRITT LUMBER COMPANY, LIMITED, Vancouver, British Columbia, Canada.
Filed June 2, 1924. Serial No. 197,938. PUBLISHED AUGUST 19, 1924.
- 190,935. TAKE-UP BOLTS AND BEARING ADJUSTERS. VEC PRODUCTS COMPANY, Cedar Rapids, Iowa.
Filed June 2, 1924. Serial No. 197,971. PUBLISHED AUGUST 19, 1924.
- 190,936. INTERNAL-COMBUSTION ENGINES, DRAG-SAW OUTFITS, TREE-SAW OUTFITS, LOG AND TREE SAW OUTFITS, PORTABLE SAW OUTFITS, STATIONARY SAW OUTFITS, AIR COMPRESSORS, PUMPING OUTFITS, SPRAYING OUTFITS, AND CLUTCH PULLEYS. WITTE ENGINE WORKS, Kansas City, Mo.
Filed June 2, 1924. Serial No. 197,975. PUBLISHED AUGUST 19, 1924.
- 190,937. COPPER-NICKEL-ALLOY CASTINGS. MANNING, MAXWELL & MOORE, INC., New York, N. Y.
Filed June 3, 1924. Serial No. 198,004. PUBLISHED AUGUST 19, 1924.
- 190,938. HUB SETS FOR USE IN CONNECTION WITH VEHICLES. THE MONARCH ALUMINUM WARE CO., Cleveland, Ohio.
Filed June 3, 1924. Serial No. 198,019. PUBLISHED AUGUST 12, 1924.
- 190,939. SIRUP FOR TABLE PURPOSES. D. B. SCULLY SYRUP COMPANY, Chicago, Ill.
Filed June 3, 1924. Serial No. 198,034. PUBLISHED AUGUST 19, 1924.
- 190,940. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.
Filed June 4, 1924. Serial No. 198,054. PUBLISHED AUGUST 19, 1924.
- 190,941. ABSORBENT COTTON, COTTON GAUZE, AND COTTON BANDAGES, POROUS PLASTERS, AND STICKING PLASTERS. AMERICAN GAUZE & COTTON COMPANY, Cape Girardeau, Mo.
Filed June 5, 1924. Serial No. 198,104. PUBLISHED AUGUST 19, 1924.
- 190,942. TENTS AND TARPAULINS. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex.
Filed June 5, 1924. Serial No. 198,125. PUBLISHED AUGUST 12, 1924.
- 190,943. WINDOW SCREENS. S. S. GORAYEB & BROS., New York, N. Y.
Filed June 5, 1924. Serial No. 198,132. PUBLISHED AUGUST 19, 1924.
- 190,944. GASOLINE, KEROSENE, AND LUBRICATING OILS. LINCOLN OIL REFINING COMPANY, Robinson, Ill.
Filed June 5, 1924. Serial No. 198,145. PUBLISHED AUGUST 19, 1924.
- 190,945. CANDY. LOFT, INCORPORATED, New York, N. Y.
Filed June 5, 1924. Serial No. 198,146. PUBLISHED AUGUST 19, 1924.
- 190,946. TRANSMISSION LININGS FOR FORD CARS. PARKER AND WALKER, Boston, Mass.
Filed June 5, 1924. Serial No. 198,152. PUBLISHED AUGUST 19, 1924.
- 190,947. CIGARETTES. SOCIÉTÉ ANONYME ED. LAURENS—"LE KHÉDIVE"—EXTENSION BELGE, Brussels, Belgium.
Filed June 5, 1924. Serial No. 198,156. PUBLISHED AUGUST 12, 1924.
- 190,948. OLIVE OIL. ANTONIO PALMIGIANO, doing business as A. Palmigiano & Company, Inc., Rochester, N. Y.
Filed June 7, 1924. Serial No. 198,246. PUBLISHED AUGUST 19, 1924.
- 190,949. SALAD DRESSING. FRANCES SCOTT AURENS, doing business as Rosemonts Products Co., Bethlehem, Pa.
Filed June 9, 1924. Serial No. 198,276. PUBLISHED AUGUST 19, 1924.
- 190,950. RAILWAY LOCOMOTIVES. THE HOLT MANUFACTURING COMPANY, Stockton, Calif.
Filed June 9, 1924. Serial No. 198,307. PUBLISHED AUGUST 19, 1924.
- 190,951. COAL. D. C. SHOEMAKER COAL COMPANY, Chicago, Ill.
Filed June 9, 1924. Serial No. 198,320. PUBLISHED AUGUST 12, 1924.
- 190,952. DRAWING INSTRUMENTS—VIZ, CURVES AND ANGLES MADE OF CELLULOSE; T-SQUARES, ANGLES, CURVES, AND DRAWING BOARDS MADE OF WOOD—AND DRAWING TABLES. TECHNICAL SUPPLY COMPANY, Scranton, Pa.
Filed June 10, 1924. Serial No. 198,387. PUBLISHED AUGUST 19, 1924.
- 190,953. VARNISH. PARLETT VARNISH COMPANY, INC., Baltimore, Md.
Filed May 31, 1924. Serial No. 197,901. PUBLISHED AUGUST 19, 1924.
- 190,954. FRESH VEGETABLES, FRESH GRAPES, FRESH MELONS, FRESH BERRIES, COCONUTS, CANNED VEGETABLES, CANNED FRUITS; CANNED FISH—NAMES, TUNNY FISH; DRIED FRUITS, DEHYDRATED VEGETABLES, DRIED FISH, FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS; GINGER ROOT, FRESH AND PRESERVED; AND CACAO BEANS. PACIFIC TRADING AND TRANSPORT CO., Los Angeles, Calif.
Filed May 31, 1924. Serial No. 197,900. PUBLISHED AUGUST 19, 1924.
- 190,955. CARPET FELT. GRAHAM PAPER COMPANY, St. Louis, Mo.
Filed May 31, 1924. Serial No. 197,877. PUBLISHED AUGUST 19, 1924.
- 190,956. BEARINGS. J. E. LOUTON & COMPANY, Boston, Mass., and Rochester, N. Y.
Filed May 29, 1924. Serial No. 197,822. PUBLISHED AUGUST 12, 1924.
- 190,957. (CALCULATING) SLIDE RULES. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed May 29, 1924. Serial No. 197,821. PUBLISHED AUGUST 19, 1924.
- 190,958. SLIDE RULES. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed May 29, 1924. Serial No. 197,820. PUBLISHED AUGUST 19, 1924.

190,959. FRESH CITROUS FRUITS. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif.
Filed May 29, 1924. Serial No. 197,817. PUBLISHED AUGUST 19, 1924.

190,960. ABSORBENT COTTON, COTTON GAUZE, AND COTTON BANDAGES, POROUS PLASTERS, AND STICKING PLASTERS. AMERICAN GAUZE AND COTTON COMPANY, Cape Girardeau, Mo.
Filed May 29, 1924. Serial No. 197,793. PUBLISHED AUGUST 19, 1924.

190,961. SCREENS, PICKING TABLES, LOADING BOOMS, MINE TIPPLES, LOCOMOTIVE-COALING STATIONS, CINDER HOISTS, AND MATERIAL HANDLING, CONVEYING AND TREATING MACHINERY. ROBERTS AND SCHAEFER COMPANY, Chicago, Ill.
Filed May 28, 1924. Serial No. 197,771. PUBLISHED AUGUST 19, 1924.

190,962. READY-MIXED PAINT AND VARNISH. DEVON & RAYNOLDS CO., INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,723. PUBLISHED AUGUST 19, 1924.

190,963. READY-MIXED PAINT. DEVON & RAYNOLDS CO., INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,722. PUBLISHED AUGUST 19, 1924.

190,964. READY-MIXED PAINT AND VARNISH. DEVON & RAYNOLDS CO., INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,719. PUBLISHED AUGUST 19, 1924.

190,965. VARNISHES. DEVON & RAYNOLDS CO., INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,714. PUBLISHED AUGUST 19, 1924.

190,966. READY-MIXED PAINT. DEVON & RAYNOLDS CO., INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,713. PUBLISHED AUGUST 19, 1924.

190,967. VARNISH. DEVON & RAYNOLDS CO., INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,707. PUBLISHED AUGUST 19, 1924.

190,968. NURSERY PRODUCTS. CECIL C. MCKAY, doing business as The Van Dusen Nurseries, Geneva, N. Y.
Filed May 27, 1924. Serial No. 197,673. PUBLISHED AUGUST 19, 1924.

190,969. WINDSHIELD CLEANERS, SQUEEGEE TYPE. BENHARA I. MALOUF, Brooklyn, N. Y.
Filed July 5, 1924. Serial No. 199,638. PUBLISHED AUGUST 19, 1924.

190,970. DOUBLE-DECK MOTOR BUSES. ALBERT E. HUTT, Ardmore, Pa.
Filed May 27, 1924. Serial No. 197,605. PUBLISHED AUGUST 12, 1924.

190,971. KID AND ALL SORTS OF HIDES. ANCIENS ETABLISSEMENTS GEORGES GUY, Paris, France.
Filed May 27, 1924. Serial No. 197,646. PUBLISHED AUGUST 19, 1924.

190,972. LUBRICATOR CUPS AND DEVICES. PIONEER LUBRICATOR CORPORATION, Long Beach, Calif.
Filed May 26, 1924. Serial No. 197,618. PUBLISHED AUGUST 12, 1924.

190,973. BUILDING PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed May 24, 1924. Serial No. 197,529. PUBLISHED AUGUST 19, 1924.

190,974. CIGARS. EHRLMAN BROS. HORN & COMPANY, San Francisco, Calif.
Filed July 10, 1924. Serial No. 199,835. PUBLISHED AUGUST 19, 1924.

190,975. CIGARS. EHRLMAN BROS. HORN & COMPANY, San Francisco, Calif.
Filed July 10, 1924. Serial No. 199,834. PUBLISHED AUGUST 19, 1924.

190,976. CIGARS. EHRLMAN BROS. HORN & COMPANY, San Francisco, Calif.
Filed July 10, 1924. Serial No. 199,832. PUBLISHED AUGUST 19, 1924.

190,977. COAL. WESTON DODSON & CO., INC., Bethlehem, Pa.
Filed July 3, 1924. Serial No. 199,592. PUBLISHED AUGUST 19, 1924.

190,978. LUBRICATING OILS AND GREASES. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J.
Filed July 3, 1924. Serial No. 199,580. PUBLISHED AUGUST 19, 1924.

190,979. WINDSHIELD CLEANERS OF THE SQUEEGEE OR MECHANICAL TYPE. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed July 2, 1924. Serial No. 199,508. PUBLISHED AUGUST 19, 1924.

190,980. OIL RETAINER FOR BEARINGS. JAMES ELVIS TAYLOR, Dallas, Tex.
Filed July 2, 1924. Serial No. 199,500. PUBLISHED AUGUST 19, 1924.

190,981. PITCH AND TAR. GRUBENHOLZ-IMPRAGNIRUNG G. M. B. H., Charlottenburg, Germany.
Filed July 2, 1924. Serial No. 199,476. PUBLISHED AUGUST 19, 1924.

190,982. PITCH AND TAR. GRUBENHOLZ-IMPRAGNIRUNG G. M. B. H., Charlottenburg, Germany.
Filed July 2, 1924. Serial No. 199,474. PUBLISHED AUGUST 19, 1924.

190,983. PITCH AND TAR. GRUBENHOLZ-IMPRAGNIRUNG G. M. B. H., Charlottenburg, Germany.
Filed July 2, 1924. Serial No. 199,473. PUBLISHED AUGUST 19, 1924.

190,984. SAFETY LAMPS, CARBIDE CAP LAMPS, AND CARBIDE HAND LAMPS. WOLF SAFETY LAMP CO. OF AMERICA, INC., Brooklyn, N. Y.
Filed June 30, 1924. Serial No. 199,411. PUBLISHED AUGUST 12, 1924.

190,985. TUBULAR RADIATORS OR HEATERS. CARRIER CONSTRUCTION COMPANY, INC., Newark, N. J.
Filed June 11, 1924. Serial No. 198,398. PUBLISHED AUGUST 12, 1924.

190,986. SLATE SUBSTITUTES. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa.
Filed June 11, 1924. Serial No. 198,402. PUBLISHED AUGUST 12, 1924.

190,987. LAWN RAKES. LINDRAY CHAPLET & MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 11, 1924. Serial No. 198,413. PUBLISHED AUGUST 19, 1924.

190,988. ATTACHMENTS FOR DENTURES. DAYTON BUMGARDNER, Chicago, Ill.
Filed June 12, 1924. Serial No. 198,452. PUBLISHED AUGUST 19, 1924.

190,989. CHILDREN'S AUTOMOBILES AND BICYCLES. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed June 13, 1924. Serial No. 198,492. PUBLISHED AUGUST 19, 1924.

190,990. SHUTTERS FOR AUTOMOBILE RADIATORS. IRVING ENGINEERING SALES CO., INC., Buffalo, N. Y.
Filed June 13, 1924. Serial No. 198,524. PUBLISHED AUGUST 19, 1924.

190,991. GASOLINE, KEROSENE, FUEL OILS, LUBRICATING OILS, AND GREASES. THE CONSUMERS OIL COMPANY, Dayton, Ohio.
Filed June 16, 1924. Serial No. 198,621. PUBLISHED AUGUST 19, 1924.

190,992. SPECIAL COMPOSITION PREPARED FROM NATURAL OR MANUFACTURED MATERIALS. BITUMINOUS OILS, AND TARS FOR ROAD AND PAVEMENT CONSTRUCTION AND FOR THE WATERPROOFING OF THE SAME. CALVERT BURKE FILBERT, New Orleans, La.
Filed June 16, 1924. Serial No. 198,632. PUBLISHED AUGUST 19, 1924.

190,993. MOUNTED SPECIMENS, TAXIDERMISTS' SUITLIES, AND FUR RUGS AND ROBES. KARL W. KAHMANN, Chicago, Ill.
Filed June 16, 1924. Serial No. 198,643. PUBLISHED AUGUST 12, 1924.

190,994. PREPARED STOCK FEED. MOORMAN MFG. CO., Quincy, Ill.
Filed June 16, 1924. Serial No. 198,664. PUBLISHED AUGUST 12, 1924.

190,995. COAL. PURITAN TUTTLE COAL CO., INC., Columbus, Ohio.
Filed June 16, 1924. Serial No. 198,676. PUBLISHED AUGUST 19, 1924.

190,996. COAL. PURITAN TUTTLE COAL CO., INC., Columbus, Ohio.
Filed June 16, 1924. Serial No. 198,677. PUBLISHED AUGUST 19, 1924.

190,997. CANNED BEANS AND TOMATOES. RYAN-CORRELL CO., Johnstown, Pa.
Filed June 18, 1924. Serial No. 198,765. PUBLISHED AUGUST 19, 1924.

190,998. COAL. THE BROOKPARK COAL & SUPPLY COMPANY, Cleveland, Ohio.
Filed June 20, 1924. Serial No. 198,840. PUBLISHED AUGUST 19, 1924.

190,999. AIR CONDITIONING, DRYING, AND VENTILATING EQUIPMENT COMPRISING HUMIDIFIERS, DEHUMIDIFIERS, DRIERS, AND DUCTS, CONTROL BOARDS AND DOORS FOR THE SAME. CARRIER ENGINEERING CORPORATION, Newark, N. J.
Filed June 20, 1924. Serial No. 198,842. PUBLISHED AUGUST 12, 1924.

191,000. CREAMERY, MILK, ICE-CREAM, CONDENSING, AND DAIRY PLANT EQUIPMENT—NAMELY, BOTTLE AND CAN WASHERS, CAN KINNERS AND STERILIZERS, MILK COOLERS, PUMPS, BRANDING IRONS, PASTEURIZERS, STARTER CANS, BATCH MIXERS, BUTTERMILK MACHINES. JOHN W. LADD CO., Detroit, Mich.
Filed June 20, 1924. Serial No. 198,874. PUBLISHED AUGUST 19, 1924.

191,001. COAL. NORTON COAL MINING COMPANY, Nortonville, Ky.
Filed June 20, 1924. Serial No. 198,879. PUBLISHED AUGUST 19, 1924.

191,002. SOFT DRINKS AND SIRUPS. TAYLOR BEVERAGE & CANDY CO., Rhinelander, Wis.
Filed June 20, 1924. Serial No. 198,801. PUBLISHED AUGUST 12, 1924.

191,003. DRIED CODFISH. ALBERTO VALES COMPANY, New Orleans, La.
Filed June 20, 1924. Serial No. 198,894. PUBLISHED AUGUST 12, 1924.

191,004. GREEN COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed June 20, 1924. Serial No. 198,897. PUBLISHED AUGUST 12, 1924.

191,005. SPORT CLOTHES FOR MEN, WOMEN, AND CHILDREN—VIZ, SUITS, COATS, BREECHES, VESTS, TROUSERS, AND KNICKERBOCKERS. LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa.
Filed May 15, 1924. Serial No. 197,005. PUBLISHED AUGUST 19, 1924.

191,006. MEN'S AND BOYS' BREECHES. LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa.
Filed May 15, 1924. Serial No. 197,089. PUBLISHED AUGUST 5, 1924.

191,007. PANTS, COATS, BREECHES, KNICKERBOCKERS, NEGLIGEE AND WORK SHIRTS, OVERALLS, AND LEATHER BOOTS. HICKS-HAYWARD COMPANY, El Paso, Tex.
Filed May 15, 1924. Serial No. 197,079. PUBLISHED AUGUST 19, 1924.

191,008. WOMEN'S AND CHILDREN'S HATS. JACKS AND ISIDOR, Boston, Mass.
Filed May 13, 1924. Serial No. 196,959. PUBLISHED AUGUST 19, 1924.

191,009. HATS FOR MEN, WOMEN, AND CHILDREN. A. SHELTON DAVENPORT, Danbury, Conn.
Filed May 10, 1924. Serial No. 196,886. PUBLISHED AUGUST 12, 1924.

191,010. MEN'S AND WOMEN'S PYJAMAS, UNION SUITS, NIGHTSHIRTS, SHIRTS, AND DRAWERS OF TEXTILE FABRIC. THEODORE F. BAULIG, Egg Harbor City, N. J.
Filed May 8, 1924. Serial No. 196,726. PUBLISHED AUGUST 19, 1924.

191,011. FABRIC AND LEATHER GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed May 7, 1924. Serial No. 196,724. PUBLISHED AUGUST 12, 1924.

191,012. MISSES' DRESSES, COATS, BLOUSES, SWEATERS, SKIRTS, SCARFS, CRAVATS, COLLARS, OR NECKTIES. M. J. STEINBERG HAT & FUR CO., St. Louis, Mo.
Filed May 7, 1924. Serial No. 196,720. PUBLISHED AUGUST 19, 1924.

191,013. DRESSES, COATS, AND SUITS. M. J. STEINBERG HAT & FUR CO., St. Louis, Mo.
Filed May 7, 1924. Serial No. 196,719. PUBLISHED AUGUST 19, 1924.

191,014. LADIES' HATS. WALTER J. HILF & CO., San Francisco, Calif.
Filed May 7, 1924. Serial No. 196,705. PUBLISHED AUGUST 19, 1924.

191,015. NECKTIES. THOMAS E. GREANEY, doing business as Standard Neckwear Company, Boston, Mass.
Filed April 21, 1924. Serial No. 195,883. PUBLISHED AUGUST 19, 1924.

191,016. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. TEMKO-BASS SHOE CO., INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,753. PUBLISHED AUGUST 12, 1924.

191,017. CORSETS, GIRDLES, APRONS, BELTS, AND LADIES' BLOOMERS. NATHAN LEVIN, Pittsburgh, Pa.
Filed March 13, 1924. Serial No. 193,716. PUBLISHED AUGUST 5, 1924.

191,018. OPERATING GOWNS, OPERATING SUITS, LABORATORY GOWNS, VISITORS' GOWNS, PATIENTS' GOWNS, INTERNE SUITS, ORDERLY SUITS, STRAIGHT JACKETS, RUBBER APRONS FOR USE IN HOSPITALS; COATS AND APRONS FOR BARBERS, BAKERS, BARTENDERS, COOKS, DOCTORS, SODA DISPENSERS, STEWARDS, WAITERS; AND SMOCKS FOR ARTISTS. PETER TAMES, doing business as Melrose Hospital Uniform Company and Melrose Manufacturing Company, New York, N. Y.
Filed March 12, 1924. Serial No. 193,686. PUBLISHED AUGUST 12, 1924.

191,019. NECKTIES AND CRAVATS. BERKLEY KNITTING COMPANY, Philadelphia, Pa.
Filed November 2, 1923. Serial No. 187,845. PUBLISHED AUGUST 5, 1924.

191,020. INFANTS' COATS. FEDERAL UNDERWEAR CO., New York, N. Y.
Filed November 11, 1922. Serial No. 171,834. PUBLISHED AUGUST 5, 1924.

191,021. RAW SILK. GUNZE SEISHI KABUSHIKI KWAISHA, Ayabe-Machi, Japan.
Filed August 10, 1922. Serial No. 168,036. PUBLISHED AUGUST 5, 1924.

- 191,022. ANTISKID CHAINS AND HOOKS FOR THE SAME. CHESTER D. COLE & WINSLOW J. BURTT, doing business as Black Diamond Chain Co., Bradford, Haverhill, Mass.
Filed May 17, 1922. Serial No. 163,970. PUBLISHED AUGUST 19, 1924.
- 191,023. FELT, CLOTH, STRAW, AND SILK HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. WARING HAT MANUFACTURING CORPORATION, Yonkers, N. Y.
Filed February 15, 1922. Serial No. 159,393. PUBLISHED AUGUST 12, 1924.
- 191,024. CHILDREN'S HATS. TURCHIN BROS., New York, N. Y.
Filed January 23, 1922. Serial No. 158,341. PUBLISHED AUGUST 12, 1924.
- 191,025. POULTRY AND SWINE FOOD. WESTERN MARYLAND DAIRY, Baltimore, Md.
Filed June 24, 1924. Serial No. 199,099. PUBLISHED AUGUST 19, 1924.
- 191,026. LEATHER SHOES AND CLOTH SHOES FOR MEN, WOMEN, AND CHILDREN. WIZARD LIGHT-FOOT APPLIANCE COMPANY, St. Louis, Mo.
Filed May 19, 1924. Serial No. 197,313. PUBLISHED AUGUST 12, 1924.
- 191,027. [WITHDRAWN.]
- 191,028. CORSETS AND GIRDLES. FRANCO CORSET CO., INC., New York, N. Y.
Filed May 27, 1924. Serial No. 197,661. PUBLISHED AUGUST 5, 1924.
- 191,029. SHOES MADE OF LEATHER, RUBBER, FABRIC, OR ANY COMBINATION OF THE SAME. WALKER SHOE COMPANY, Cincinnati, Ohio.
Filed May 28, 1924. Serial No. 197,787. PUBLISHED AUGUST 12, 1924.
- 191,030. MUFFLERS. GUTERMAN BROS. INC., New York, N. Y.
Filed June 6, 1924. Serial No. 198,181. PUBLISHED AUGUST 5, 1924.
- 191,031. OVERCOATS. HALEK BROTHERS, Cleveland, Ohio.
Filed June 6, 1924. Serial No. 198,182. PUBLISHED AUGUST 5, 1924.
- 191,032. HOSIERY. M. I. STEWART & CO. INC., New York, N. Y.
Filed June 7, 1924. Serial No. 198,265. PUBLISHED AUGUST 5, 1924.
- 191,033. SUITS AND COATS. SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y.
Filed June 7, 1924. Serial No. 198,269. PUBLISHED AUGUST 5, 1924.
- 191,034. PRINCESS SLIPS, PETTICOATS, CHEMISES, STEP-INS, NEGLIGÉES, BLOOMERS, DRESSING GOWNS, VESTS, AND UNION SUITS. PHYLLIS SILK MILLS, Chicago, Ill.
Filed June 9, 1924. Serial No. 198,325. PUBLISHED AUGUST 5, 1924.
- 191,035. MUSLIN AND SILK UNDERWEAR, OUTER WEAR, AND READY-TO-WEAR, PARTICULARLY PETTICOATS, PRINCESS SLIPS, STEP-INS, CHEMISE, BANDEAUX, BRASSIÈRES, CORSET COVERS, CAMISOLES, GOWNS, BLOOMERS, DRAWERS, FLANNELETTE GOWNS, KIMONOS, LADIES' AND CHILDREN'S DRESSES AND APRONS, WASH AND SILK BLOUSES, SKIRTS, AND WASH SUITS. HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y.
Filed June 12, 1924. Serial No. 198,458. PUBLISHED AUGUST 5, 1924.
- 191,036. DRESS SHIRTS. THE ENRO SHIRT CO. INC., Louisville, Ky.
Filed June 3, 1924. Serial No. 198,000. PUBLISHED AUGUST 12, 1924.

- 191,037. LEATHER AND FABRIC SHOES. LUNN AND SWEET, INC., Auburn, Me.
Filed February 11, 1924. Serial No. 192,132. PUBLISHED AUGUST 19, 1924.
- 191,038. BOYS' SUITS, BOYS' HATS AND CAPS, BLOUSES, COATS, TROUSERS, OVERCOATS, UNDERSHIRTS, UNDERDRAWERS AND UNION SUITS OF KNITTED AND TEXTILE FABRICS, AND COLLARS AND NECKTIES. R. H. WHITE COMPANY, Boston, Mass.
Filed May 21, 1924. Serial No. 197,404. PUBLISHED AUGUST 12, 1924.
- 191,039. SHOES MADE OF LEATHER, FABRICS, RUBBER, AND COMBINATIONS THEREOF. SEYMOUR TROY & CO., INC., New York, and Brooklyn, N. Y.
Filed May 2, 1924. Serial No. 196,481. PUBLISHED AUGUST 19, 1924.
- 191,040. UNDERWEAR, BATH SUITS, SPORT COATS, SWEATER COATS, VESTS, JACKETS, PETTICOATS, NIGHTSHIRTS, BELLYBANDS, KNEE WARMERS MADE OF KNITTED, NETTED, AND TEXTILE FABRICS, FOR MEN, WOMEN, AND CHILDREN. H. LOHN & CO., INC., New York, N. Y.
Filed April 17, 1924. Serial No. 195,702. PUBLISHED AUGUST 12, 1924.
- 191,041. SHOES AND SLIPPERS OF LEATHER WITH A FLEECE LINING. JOHNSTOWN WOOL-SHOE CO., Johnstown, N. Y.
Filed April 15, 1924. Serial No. 195,579. PUBLISHED AUGUST 12, 1924.
- 191,042. MEN'S CLOTHING, PARTICULARLY TROUSERS, VESTS, COATS, AND OVERCOATS. GEORGE A. WHITE, doing business as Cambridge Tailoring Co., Baltimore, Md.
Filed April 9, 1924. Serial No. 195,250. PUBLISHED AUGUST 12, 1924.
- 191,043. HAT PADS FOR HATS. CRESCENT BANDEAU INCORPORATED, New York, N. Y.
Filed April 5, 1924. Serial No. 195,052. PUBLISHED AUGUST 12, 1924.
- 191,044. PREPARED FOODS—NAMELY, POWDER ADAPTED FOR MAKING CHOCOLATE MALTED-MILK BEVERAGES. CONSUMERS MALTED MILK CO., INC., Brooklyn, N. Y.
Filed April 4, 1924. Serial No. 194,977. PUBLISHED AUGUST 12, 1924.
- 191,045. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. TEM-KO-BASS SHOE CO., INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,755. PUBLISHED AUGUST 5, 1924.
- 191,046. LADIES' AND MISSES' SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed January 14, 1924. Serial No. 190,788. PUBLISHED AUGUST 5, 1924.
- 191,047. GLOVES. JULIUS KAYSER & CO., New York, N. Y.
Filed January 5, 1923. Serial No. 174,208. PUBLISHED JUNE 12, 1924.
- 191,048. MEN'S, WOMEN'S, AND CHILDREN'S OUTING AND WORK CLOTHING—VIZ, PANTS, KNICKERS, BREECHES, PUTTEES, HATS, CAPS, SHIRTS, OVERCOATS, AND MACKINAW. THEODORE KOTZIN, Los Angeles, Calif.
Filed May 22, 1922. Serial No. 164,252. PUBLISHED SEPTEMBER 18, 1923.
- 191,049. ONE-PIECE GARMENTS FOR CHILDREN—NAMELY, CHILDREN'S ROMPERS, CREEPERS, UNION SUITS OF TEXTILE FABRIC, AND SLEEPING GARMENTS. THE KIDDIE TOGS COMPANY, Cleveland, Ohio.
Filed December 12, 1921. Serial No. 150,580. PUBLISHED AUGUST 12, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 191,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD OLIVE OIL COMPANY, INC., doing business under the name Fancy Products Packing Co., New York, N. Y. Filed May 29, 1924. Serial No. 197,842.



**NIKOLAEVSKEI
BRAND**

Particular description of goods.—Canned Caviar.
Claims use since May 9, 1923.

- 191,051. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD OLIVE OIL COMPANY, INC., doing business under the name Fancy Products Packing Co., New York, N. Y. Filed May 29, 1924. Serial No. 197,841.



PETROVSKAYA BRAND

Particular description of goods.—Canned Caviar.
Claims use since Feb. 3, 1923.

- 191,052. (CLASS 39. CLOTHING.) OPPENHEIM, OBERNDORF & CO., INC., doing business as The Sealpax Co., Baltimore, Md. Filed May 23, 1924. Serial No. 197,495.



*'Step Thru-
Button Two'*

**Sealpax
union suits**

Particular description of goods.—Union Suits Manufactured from Textile Fabrics for Men, Women, and Children.
Claims use since June, 1923.

- 191,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE REID ICE CREAM COMPANY, Brooklyn, N. Y. Filed May 14, 1924. Serial No. 197,048.

Reid's Special
"It's the Best"

Particular description of goods.—Ice Cream.
Claims use since on or about Jan. 10, 1920.

- 191,054. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) OLOF A. NORLUND, doing business as O. A. Norlund Co., Williamsport, Pa. Filed Feb. 12, 1924. Serial No. 192,193.

NORLUND'S

Particular description of goods.—Ice Creepers and Heel Plates.
Claims use since 1900.

- 191,055. (CLASS 12. CONSTRUCTION MATERIALS.) SUPERIOR LIME & HYDRATE CO. INC., Pelham, Ala. Filed Dec. 8, 1923. Serial No. 189,433.

SUPERIOR

Particular description of goods.—Lime.
Claims use since Aug. 10, 1923.

- 191,056. (CLASS 12. CONSTRUCTION MATERIALS.) SHINGLE MANUFACTURERS ASSOCIATION OF BRITISH COLUMBIA, Vancouver, British Columbia, Canada. Filed Nov. 16, 1923. Serial No. 188,444.

British Columbia
EDG-GRAIN
Inspected

Disclaimer is hereby made to "British Columbia" and "Inspected" apart from the mark as shown in the drawing.

Particular description of goods.—Shingles.
Claims use since Apr. 21, 1923.

- 191,057. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANKLIN RAILWAY SUPPLY COMPANY, New York, N. Y. Filed Oct. 18, 1923. Serial No. 187,157.

PRECISION

Particular description of goods.—Power Reverse Gears.
Claims use since Sept. 6, 1923.

191,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS J. BUREAU, doing business as Reliable Products Laboratory, Detroit, Mich. Filed Sept. 28, 1923. Serial No. 186,331.

Noscar

Particular description of goods.—Healing Ointment.
Claims use since June 19, 1923.

191,039. (CLASS 39. CLOTHING.) ISAAC I. MARRUS, Scranton, Pa. Filed Sept. 8, 1923. Serial No. 185,528.

BETTERWEARING

Particular description of goods.—Suits, Coats, Overcoats, Pants, Vests, Raincoats, and Mackinaws for Men and Children.
Claims use since Aug. 30, 1923.

191,060. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL STONE TILE CORPORATION, San Francisco, Calif. Filed Sept. 5, 1923. Serial No. 185,347.

STONE-TILE

Particular description of goods.—Concrete Molds—Namely, Integral Gang Molds for Use in Manufacturing Precast Concrete Shapes.
Claims use since Apr. 1, 1922.

191,061. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PITTS & HIGHT, Youngstown, Ohio. Filed Sept. 4, 1923. Serial No. 185,311.

Pitts

Comfort-Cut Dydee Pants

Particular description of goods.—Diapers.
Claims use since January, 1923.

191,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Aug. 23, 1923. Serial No. 184,894.

FASHION

Particular description of goods.—Cotton Velle.
Claims use since Aug. 14, 1923.

191,063. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GROVE PARK INN, INC., doing business as Biltmore Industries, Asheville, N. C. Filed Aug. 21, 1923. Serial No. 184,789.

Biltmore Handwoven Homespun

Particular description of goods.—Woolen Homespun Textile Fabrics in the Piece.
Claims use since about Nov. 1, 1918.

191,064. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BLEKKE TIRE & RUBBER COMPANY, St. Paul, Minn. Filed Aug. 11, 1923. Serial No. 184,321.

TWIN CITY

Particular description of goods.—Automobile Tires and Tubes of Rubber.
Claims use since on or before Sept. 30, 1921.

191,065. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WEITZ BROS., Brooklyn, N. Y. Filed July 31, 1923. Serial No. 183,897.



Particular description of goods.—Trunks and Wardrobe Trunks.
Claims use since January, 1921.

191,066. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MACRETH-EVANS GLASS COMPANY, Pittsburgh, Pa. Filed Apr. 21, 1923. Serial No. 179,478.

Nu-type

Particular description of goods.—Lamp Burners and Lamp Wicks.
Claims use since Mar. 17, 1923.

191,067. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922. Serial No. 163,842.

AUTO-ALTIMETER

No claim is made to the exclusive use of the word "Altimeter" apart from the mark shown by the drawing.
Particular description of goods.—Barometers.
Claims use since January, 1920.

191,068. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922. Serial No. 163,832.

RADIAL SCALE

Particular description of goods.—Thermometers.
Claims use since March, 1922.

191,069. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADDRESSOGRAPH COMPANY, Chicago, Ill. Filed Nov. 7, 1921. Serial No. 155,079.

Addressograph

Particular description of goods.—Machines for Printing Addresses and Other Matter.
Claims use since on or about July 19, 1909.

191,070. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as The Harry Berger Shirt Company, New York, N. Y. Filed May 9, 1922. Serial No. 163,567.

FEATHERWEIGHT

Particular description of goods.—Men's and Boys' Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since Apr. 1, 1922.

191,071. [WITHDRAWN.]

191,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. MAGGIOLI CO., INC., Boston, Mass. Filed Apr. 15, 1924. Serial No. 195,586.

A-I

Particular description of goods.—Sausages and Hams.
Claims use since Sept. 26, 1914.

191,073. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH VINIKOW, Seattle, Wash. Filed Feb. 20, 1923. Serial No. 176,385.

PARISIAN STYLE BAR

Particular description of goods.—Candy Bars.
Claims use since Jan. 1, 1911.

191,074. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KISTLER LEATHER COMPANY, South Boston, Mass. Filed May 9, 1923. Serial No. 180,374.



Particular description of goods.—Leather.
Claims use since Apr. 27, 1923.

191,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUTCH PRETZEL CO., INC., Thompsonville, Conn. Filed Aug. 16, 1923. Serial No. 184,543.

DUTCH PRETZELS

Particular description of goods.—Pretzels, Crackers, and Cakes.
Claims use since Aug. 13, 1923.

191,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLMES COMPANY, Robinson, Me. Filed Sept. 22, 1923. Serial No. 186,058.



Particular description of goods.—Canned Sardines.
Claims use since Sept. 5, 1923.

191,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLMES COMPANY, Robinson, Me. Filed Sept. 22, 1923. Serial No. 186,059.



Particular description of goods.—Canned Sardines.
Claims use since Sept. 5, 1923.

191,078. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KISSE BROTHERS COMPANY, Springfield, Mass. Filed Apr. 25, 1924. Serial No. 196,122.

COCONUT TOAST

Particular description of goods.—Coconut Candy.
Claims use since June 13, 1923.

191,079. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Apr. 26, 1924. Serial No. 196,205.

Sterling

Particular description of goods.—Smoked Meat Lunch-eon Loaf.
Claims use since May 5, 1923.

191,080. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,650.

EMPIRE CITY

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1905.

191,081. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CARBON FUEL COMPANY, Cincinnati, Ohio. Filed Aug. 29, 1924. Serial No. 202,001.

CARBON SPLINT

Particular description of goods.—Coal.
Claims use since 1904.

191,082. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OLD BEN COAL CORPORATION, Chicago, Ill. Filed Aug. 29, 1924. Serial No. 202,031.

PURITY

Particular description of goods.—Coal.
Claims use since April, 1917.

191,083. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD OLIVE OIL COMPANY, INC., doing business under the name Fancy Products Packing Co., New York, N. Y. Filed May 29, 1924. Serial No. 197,844.

RIVIERA BRAND

Particular description of goods.—Canned Caviar, Caviar Dressing, and Fish Paste in Tubes.
Claims use since May 16, 1923.

191,084. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. J. REACH COMPANY, Philadelphia, Pa. Filed June 4, 1924. Serial No. 198,087.

Reach

Particular description of goods.—Catchers' and Basemen's Mitts, Fielders' Gloves, Bats, Masks, Body Protectors, Leg Guards, Uniform Bags, Bat Bags, Bases, Caddy Bags, Footballs, Basket Balls, Volley Balls, Head Harness, Football Pads, Striking Bags, Handball Gloves, and Boxing Gloves.
Claims use since August, 1911.

191,085. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. SULK & COMPANY, New York, N. Y. Filed June 13, 1924. Serial No. 198,540.

A. Sulka & Company

Particular description of goods.—Cotton, Silk, and Wool Shirtings and Handkerchiefs.
Claims use for more than one year.

191,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIEBOLAGET SVERIGES FÖRENADE KON-SERVFABRIKER, Gottenborg, Sweden. Filed June 20, 1924. Serial No. 198,829.



Particular description of goods.—Canned Lobster and Anchovies.
Claims use since about 1911.

191,087. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FREDERICK EVERETT EVANS, New York, N. Y. Filed June 23, 1924. Serial No. 198,906.

**EVANS ART
IN FLOWERS**

Particular description of goods.—Natural Flowers.
Claims use since Apr. 14, 1922.

191,088. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PACIFIC METAL COMPANY, Portland, Oreg. Filed June 26, 1924. Serial No. 199,181.

NICKELOID

Particular description of goods.—White Metals.
Claims use since Aug. 10, 1916.

191,089. (CLASS 39. CLOTHING.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924. Serial No. 199,244.

Dr Scholl's

Particular description of goods.—Shoes, Leather Shoes, Rubber Shoes, Fabric Shoes, and Combinations Thereof, Surgeons' Shoes.
Claims use for more than one year.

191,090. (CLASS 17. TOBACCO PRODUCTS.) EHRMAN BROS. HORN & COMPANY, San Francisco, Calif. Filed July 10, 1924. Serial No. 199,833.

MALTESE

Particular description of goods.—Cigars.
Claims use since about 1903.

191,091. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,651.

DUSSELDORF

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1898.

191,092. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,654.

CAR CURTAIN

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1884.

191,093. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,657.

CAMBRIDGE

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1888.

191,094. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,659.

METHUEN

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1882.

191,095. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,662.

FANCY DUPLEX

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1882.

191,096. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,663.

FAIRMOUNT

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 1, 1889.

191,097. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,664.

LENOX

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 1, 1898.

191,098. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,667.

ABERDEEN

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 1, 1898.

191,099. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HARRY H. EMMONS, doing business as Emmons Manufacturing Co., Canton, Ohio. Filed July 30, 1924. Serial No. 200,716.

AUTO-LAVATORY

Particular description of goods.—Water and Liquid-Soap Dispensers.

Claims use since July 1, 1922.

191,100. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. W. PARKER COMPANY, INC., Des Moines, Iowa. Filed July 30, 1924. Serial No. 200,725.

PARKER'S PERFECT POLISH and Cleaner

Particular description of goods.—Polishes for Furniture, Planos, and Painted Surfaces.

Claims use since August, 1917.

191,101. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) QUAKER CITY RUBBER COMPANY, Philadelphia, Pa. Filed July 31, 1924. Serial No. 200,778.

DANIEL

SPIRAL

Particular description of goods.—Rubber Packing.

Claims use since June 30, 1923.

191,102. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Aug. 5, 1924. Serial No. 200,981.



The drawing is lined to indicate the colors green, blue, yellow, and pink.

Particular description of goods.—Ginger Ale.

Claims use for not less than one year.

191,103. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Aug. 5, 1924. Serial No. 200,982.



The drawing is lined to indicate the colors green, yellow, pink, and blue.

Particular description of goods.—Ginger Ale.

Claims use for not less than one year.

191,104. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HARLEY H. KEENE, doing business as Keene & Keene, St. Augustine, Fla. Filed Aug. 7, 1924. Serial No. 201,088.

See Keene For Keen Sight

Particular description of goods.—Eyeglasses and Spectacles.

Claims use since on or about July 1, 1916.

191,105. (CLASS 12. CONSTRUCTION MATERIALS.) THE WERTZ COMPANY, Cleveland, Ohio. Filed Aug. 8, 1924. Serial No. 201,167.

Metal kote

Particular description of goods.—Waterproofing Material on Brick, Tile, and Other Masonry.

Claims use since Sept. 1, 1923.

191,106. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEQUESNE PAINT COMPANY, Pittsburgh, Pa. Filed Aug. 13, 1924. Serial No. 201,337.

NORWOOD

Particular description of goods.—Varnish Stains and Ready-Mixed Paints.

Claims use since about Apr. 1, 1904.

191,107. (CLASS 39. CLOTHING.) AMERICAN GIRL COAT CO., INC., New York, N. Y. Filed Aug. 14, 1924. Serial No. 201,386.



Particular description of goods.—Coats for Little Women.

Claims use since Aug. 1, 1923.

191,108. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DORR COMPANY, New York, N. Y. Filed Aug. 15, 1924. Serial No. 201,430.

DORR

Particular description of goods.—Apparatus for the Treatment of Solids Suspended in Liquids—Namely, Thickeners, Tray Thickeners, Clarifiers, Agitators, Classifiers, Bowl Classifiers, Pumps, Screens, Washers, Conveyers, Save-Alls, and Slurry Mixers.

Claims use since July 3, 1914.

191,109. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. STEIN & COMPANY, Chicago, Ill. Filed Aug. 20, 1924. Serial No. 201,686.

PARIS

Particular description of goods.—Handkerchiefs.

Claims use for not less than one year.

191,110. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CAVENDISH COMPANY, Boston, Mass. Filed Aug. 21, 1924. Serial No. 201,094.

"CAVENDISH"

Particular description of goods.—Rubber Nipples.
Claims use since Apr. 13, 1921.

191,111. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LINCOLN PRODUCTS Co., Chicago, Ill. Filed Aug. 22, 1924. Serial No. 201,764.

"Snubs The Rebound"

Particular description of goods.—Shock Absorbers.
Claims use since Feb. 1, 1922.

TRADE-MARK REGISTRATIONS RENEWED

25,549. CANNED AND CURED MEATS AND LARD AND TALLOW. Registered November 20, 1894. ROHE & BROTHER, New York, N. Y. Renewed November 20, 1924.

191,112. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HILL CLUTCH MACHINE & FOUNDRY Co., Cleveland, Ohio. Filed Aug. 26, 1924. Serial No. 201,897.

"Cleveland Type"

Particular description of goods.—Bearings.
Claims use since about 1907.

191,113. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HILL CLUTCH MACHINE & FOUNDRY Co., Cleveland, Ohio. Filed Aug. 29, 1924. Serial No. 202,014.

"Smith Type"

Particular description of goods.—Clutches.
Claims use since about 1907.

191,114. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HILL CLUTCH MACHINE & FOUNDRY Co., Cleveland, Ohio. Filed Aug. 30, 1924. Serial No. 202,061.

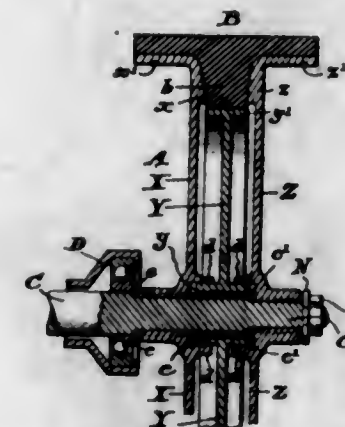
"Industrial Type"

Particular description of goods.—Speed Transformers.
Claims use since about July, 1923.

REISSUES

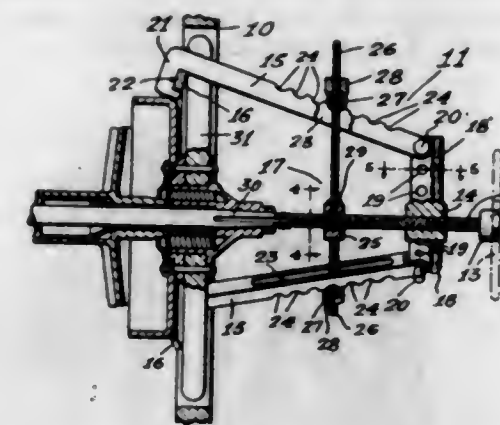
OCTOBER 28, 1924.

15,935. GRIP PULLEY. LEWIS K. DAVIS, Washington, D. C. Filed June 18, 1923. Serial No. 646,250. Original No. 1,431,376, dated Oct. 10, 1922. Serial No. 567,847, filed June 12, 1922. 12 Claims. (Cl. 74—21.)



1. A grip pulley adapted to be associated with a belt and comprising a plurality of sections at least one of which is mounted to revolve at all times with a centrally arranged axle and another section mounted to turn about a fixed axis independently of the axle while engaging the belt, and means connecting the sections for causing them to grip the belt when the latter slips on the axle driven section.

15,936. WHEEL PULLER. WALLACE C. ERICKSON and HORACE L. CONRAD, Seattle, Wash. Filed Mar. 25, 1924. Serial No. 701,875. Original No. 1,465,467, dated Aug. 21, 1923. Serial No. 518,506, filed Nov. 29, 1921. 2 Claims. (Cl. 29—55.)

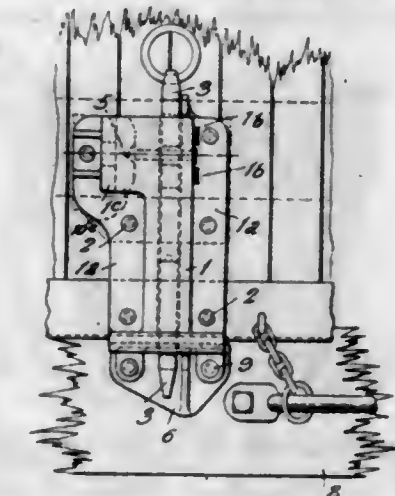


1. An anti-spreading mechanism for the gripping arms of a wheel puller comprising a spindle, a collar slidably disposed upon said spindle, a plurality of radially disposed threaded stems extending outwardly from said collar, and adjusting means disposed upon said stems adapted to restrainingly engage said gripping arms against outward movement from a predetermined selected position.

15,937. CAR-DOOR LOCK. JAMES C. FRITTS, Scranton, Pa. Filed Aug. 6, 1924. Serial No. 730,544. Original No. 1,456,611, dated May 29, 1923. Serial No. 550,597, filed Apr. 8, 1922. 8 Claims. (Cl. 292—148.)

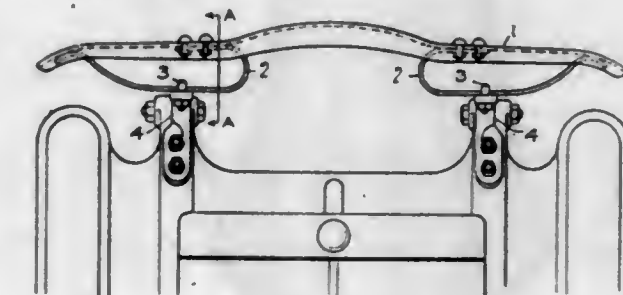
1. A car-door lock, comprising a housing adapted to be secured to the door and having a longitudinal passage therethrough and a transverse hole intersecting said passage, a bracket adapted to be secured to the

car sill and having an opening adapted to register with said passage, a locking bolt adapted to occupy said



passage and opening and having a transverse hole there-through and a rivet adapted to be passed through said holes and to be headed over to prevent its withdrawal.

15,938. BUMPER FOR MOTOR VEHICLES. PER UTNE, Edgewood, Pittsburgh, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed May 6, 1924. Serial No. 711,517. Original No. 1,417,118, dated May 23, 1922. Serial No. 540,027, filed Feb. 28, 1922. 7 Claims. (Cl. 293—55.)



1. A bumper comprising a bar; and a pair of springs, one end portion of each spring being bent in a half circle and secured at that end to the bar, and the other end pressing against the bar and having a sliding engagement therewith.

15,939. END LABEL FOR CLOTH BOLTS. JOHN W. LITTLE, Jr., Pawtucket, R. I. Filed Apr. 25, 1924. Serial No. 709,065. Original No. 1,481,293, dated Jan. 22, 1924. Serial No. 620,691, filed Feb. 23, 1923. 5 Claims. (Cl. 40—20.)



1. As a means for labelling bolts of cloth, and wherein the label is exposed at the end of the bolt, a label portion adapted to serve as the exposed label, and a tongue hingedly connected with the rear of the label portion with the hinge line intermediate the longitudinal edges of the label portion to permit tongue hinging movements between a position in parallelism with the face plane of the label portion and a position perpendicular to, such plane, whereby insertion of the tongue into the bolt a distance sufficient to bring the rear of the label portion into contact with the bolt will cause the label portion to be maintained in a constant plane relative to the bolt.

DESIGNS

OCTOBER 28, 1924.

65,842. FLOWERPOT. ANDREW ANDERSON and VICTOR AXELSON, Sacramento, Calif. Filed June 27, 1924. Serial No. 9,992. Term of patent 14 years.



The ornamental design for a flowerpot, as shown.

65,843. PITCHER. ELMER BELL, Mount Pleasant, Pa., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a Corporation of Pennsylvania. Filed May 3, 1922. Serial No. 2,075. Term of patent 14 years.



The ornamental design for a pitcher as shown.

65,844. LIP-STICK HOLDER. EDOUARD P. BENOIS, Paris, France, assignor to Coty, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 8,928. Term of patent 14 years.



The ornamental design for a lip stick holder substantially as shown.

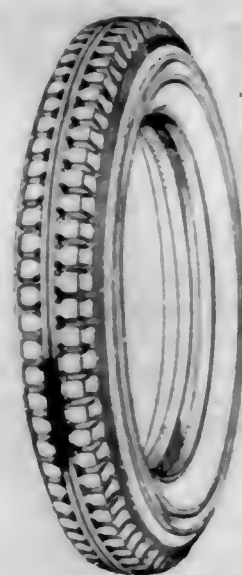
744

65,845. WALL PLAQUE. JOSEPH CASTELLANA, New York, N. Y. Filed June 17, 1924. Serial No. 9,891. Term of patent 3 1/2 years.



The ornamental design for a wall-plaque as shown.

65,846. AUTOMOBILE TIRE TREAD. JACKSON D. COMSTOCK, Chester, W. Va. Filed June 11, 1923. Serial No. 6,466. Term of patent 14 years.



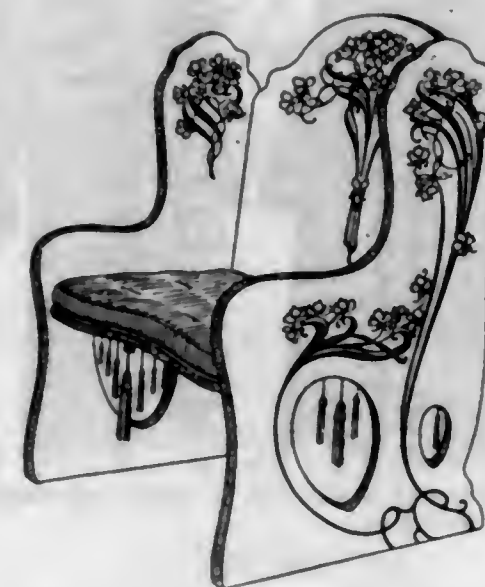
The ornamental design for an automobile tire tread as shown.

OCTOBER 28, 1924

U. S. PATENT OFFICE.

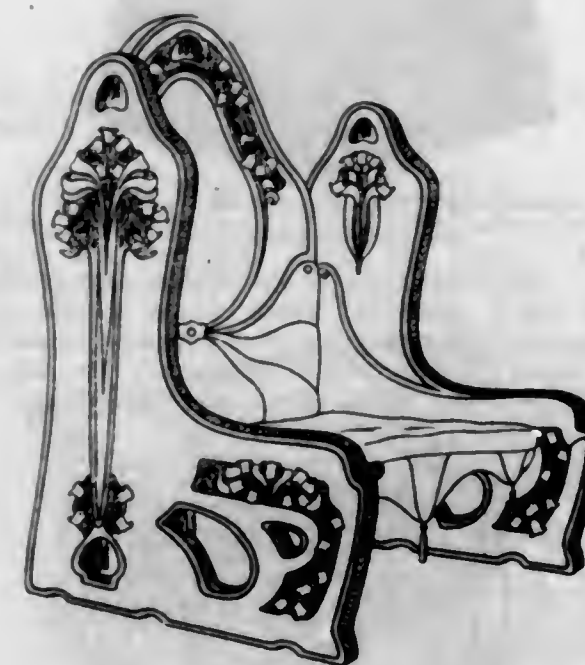
745

65,847. CHAIR OR SIMILAR ARTICLE. THEODORE J. CORNU, Harmon-on-Hudson, N. Y. Filed Aug. 2, 1924. Serial No. 10,340. Term of patent 7 years.



The ornamental design for a chair or similar article, as shown.

65,848. CHAIR OR SIMILAR ARTICLE. THEODORE J. CORNU, Harmon-on-Hudson, N. Y. Filed Aug. 2, 1924. Serial No. 10,350. Term of patent 7 years.



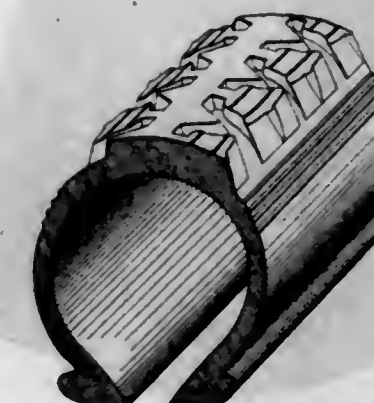
The ornamental design for a chair or similar article, as shown.

65,849. CHAIR OR SIMILAR ARTICLE. THEODORE J. CORNU, Harmon-on-Hudson, N. Y. Filed Aug. 2, 1924. Serial No. 10,351. Term of patent 7 years.



The ornamental design for a chair or similar article, as shown.

65,850. TIRE TREAD. HENRY B. CONSTANTIN, Brooklyn, N. Y., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 2, 1924. Serial No. 10,342. Term of patent 14 years.



The design for a tire tread substantially as shown.

65,851. LADY'S SUIT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 31, 1924. Serial No. 10,332. Term of patent 3½ years.



The ornamental design for a lady's suit, substantially as shown and described.

65,852. LINED COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 1, 1924. Serial No. 10,336. Term of patent 3½ years.



The ornamental design for a lined coat, as shown.

65,853. COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 6, 1924. Serial No. 10,394. Term of patent 3½ years.



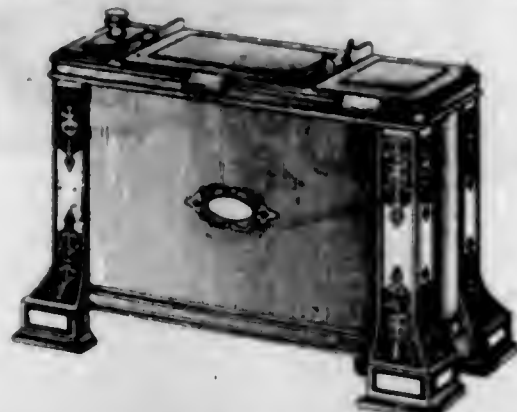
The ornamental design for a coat, substantially as shown and described.

65,854. LINED COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 13, 1924. Serial No. 10,447. Term of patent 3½ years.



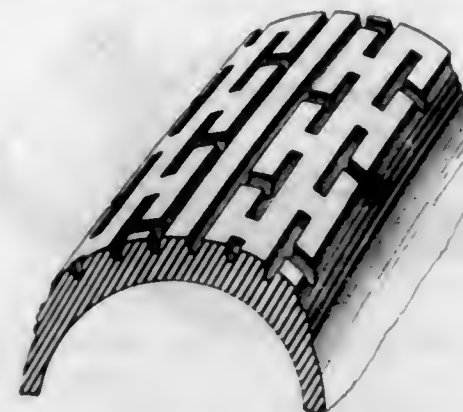
The ornamental design for a coat, as shown.

65,855. RECEPTACLE FOR SMOKERS' ARTICLES OR THE LIKE. FRED H. DOERR, Grand Rapids, Mich., assignor to Doerr Manufacturing Company, Grand Rapids, Mich., a Corporation of Michigan. Filed May 29, 1924. Serial No. 9,737. Term of patent 7 years.



The ornamental design for a receptacle for smokers' articles or the like, as shown.

65,856. TIRE. MYRON A. DREHER, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Aug. 6, 1924. Serial No. 10,392. Term of patent 14 years.



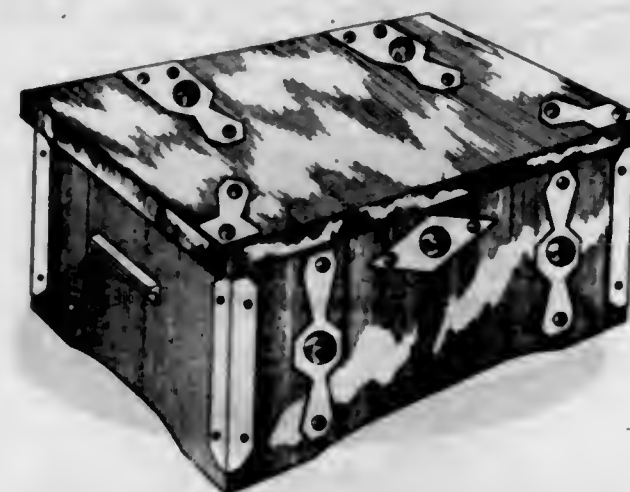
The ornamental design for a tire as shown.

65,857. ADVERTISING SIGN. MAX H. FEIST, Toulon, Wash. Filed Mar. 29, 1924. Serial No. 9,098. Term of patent 3½ years.



The ornamental design for an advertising sign, substantially as shown.

65,858. BOX. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Aug. 9, 1924. Serial No. 10,431. Term of patent 14 years.



The ornamental design for a box, as shown and described.

65,859. ANDIRON OR SIMILAR ARTICLE. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Feb. 10, 1923. Serial No. 5,145. Term of patent 3½ years.



The ornamental design for an andiron or similar article substantially as shown.

65,860. GAS HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Sept. 4, 1924. Serial No. 10,674. Term of patent 14 years.



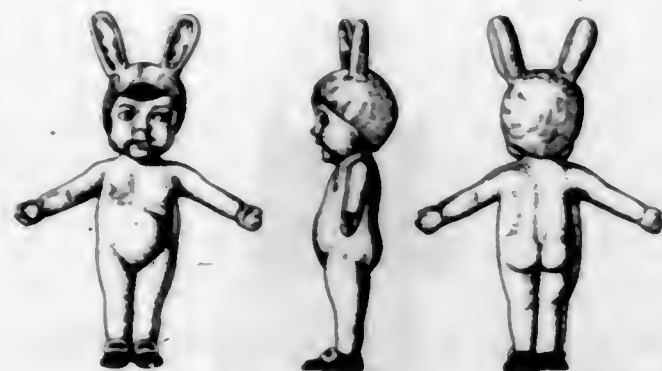
The ornamental design for a gas heater, substantially as shown and described.

65,861. TRAY FOR HOLDING GLASSES. LOUIS LEVIEN, Sea Gate, N. Y. Filed Aug. 13, 1924. Serial No. 10,443. Term of patent 7 years.



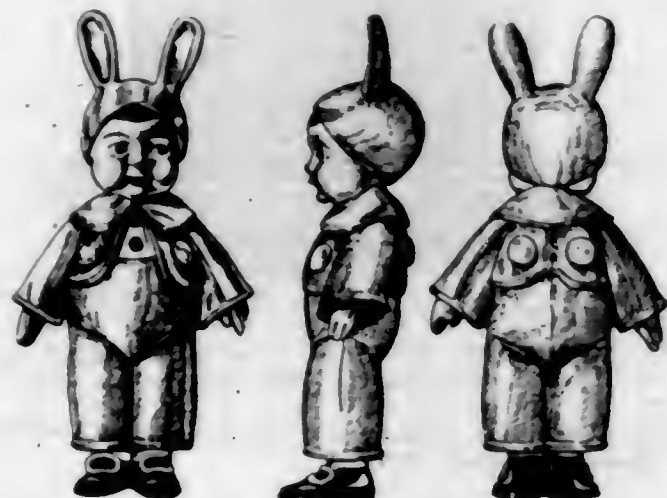
The ornamental design for a tray for holding glasses substantially as shown.

65,862. DOLL. EDWARD GERSTELL McCANDLISH, Takoma Park, Md. Filed July 25, 1924. Serial No. 10,252. Term of patent 7 years.



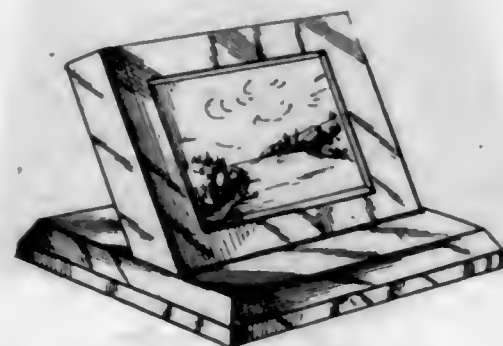
The ornamental design for a doll as shown.

65,863. DOLL. EDWARD GERSTELL McCANDLISH, Takoma Park, Md. Filed July 25, 1924. Serial No. 10,253. Term of patent 7 years.



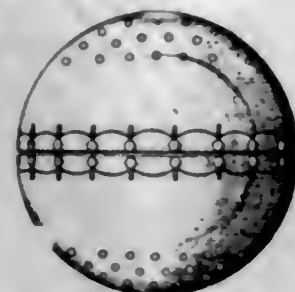
The ornamental design for a doll as shown.

65,864. COMBINED PAPER WEIGHT AND PICTURE HOLDER. JAMES J. MCKAY, Baltimore, Md. Filed Aug. 6, 1924. Serial No. 10,395. Term of patent 14 years.



An ornamental design for a combined paper weight and picture holder as shown.

65,865. EDIBLE ICE-CREAM CONTAINER. AUSTIN ALAN MCKNIGHT and GERALD SAUNDERS, Sharon, Pa. Filed May 17, 1924. Serial No. 9,638. Term of patent 7 years.



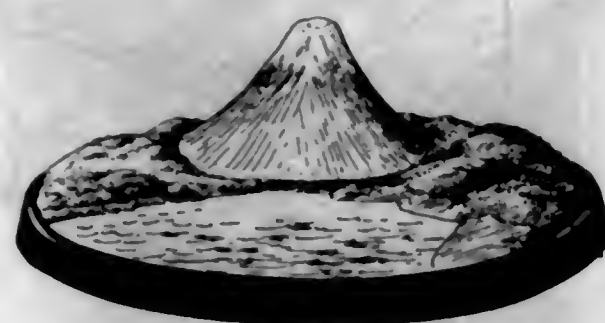
The ornamental design for an edible ice cream container, as shown.

65,866. DISH. CAROLINE H. MOORHEAD, Ocala, Fla. Filed July 19, 1924. Serial No. 10,187. Term of patent 14 years.



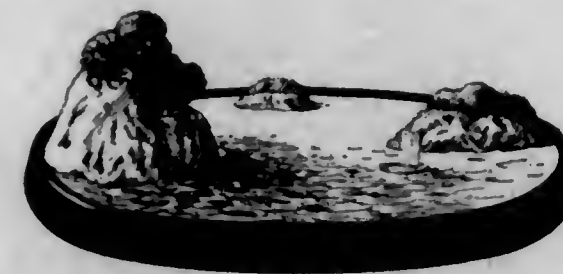
The ornamental design for a dish, as shown.

65,867. INCENSE BURNER. SHIGEO MORITA, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 7,511. Term of patent 3½ years.



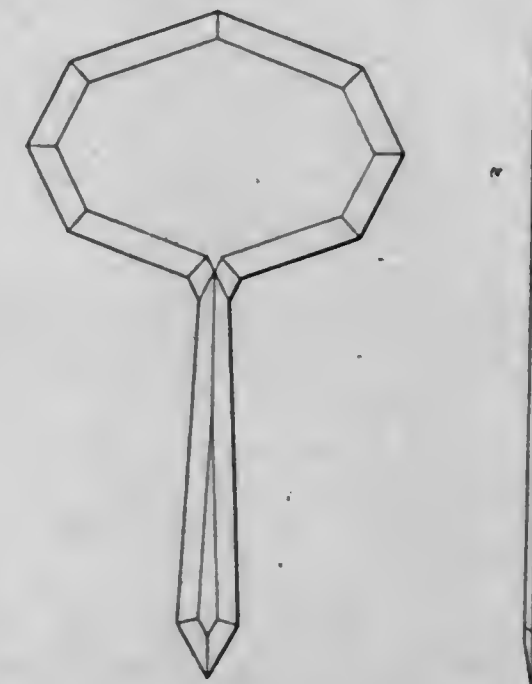
The ornamental design for an incense burner substantially as shown.

65,868. INCENSE BURNER. SHIGEO MORITA, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 7,512. Term of patent 3½ years.



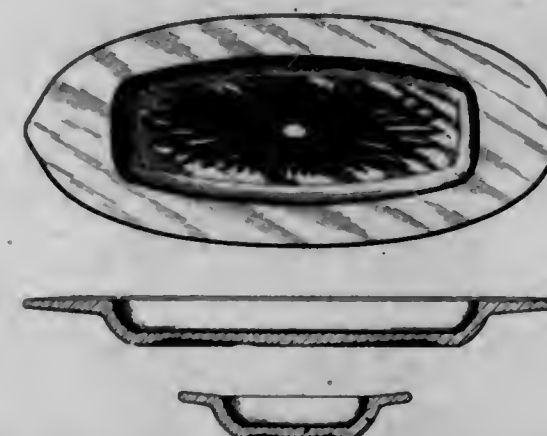
The ornamental design for an incense burner substantially as shown.

65,869. HAND MIRROR. GEORGE H. NEVIUS, Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 26, 1923. Serial No. 5,954. Term of patent 7 years.



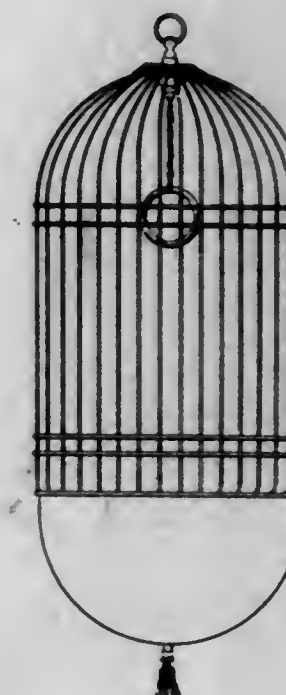
The ornamental design for a hand mirror, as shown.

65,870. DISH OR SIMILAR ARTICLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Helsey & Co., Newark, Ohio. Filed Feb. 8, 1921. Serial No. 443,473. Term of patent 14 years.



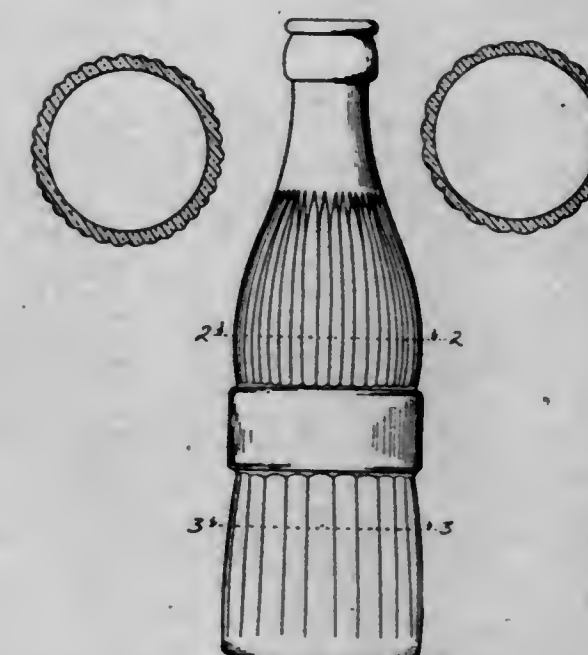
The ornamental design for a disk or similar article, substantially as shown.

65,871. BIRD CAGE. WILLIAM F. SCHLEICH, New York, N. Y., assignor to Schleich Studios, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 23, 1924. Serial No. 10,537. Term of patent 14 years.



The ornamental design for a bird cage, as shown.

65,872. BOTTLE. JULIUS M. SINGER, Detroit, Mich., assignor to Wolverine Bottling Works, Detroit, Mich., a Copartnership comprising Julius M. Singer and Max Sedman. Filed July 7, 1924. Serial No. 10,081. Term of patent 7 years.



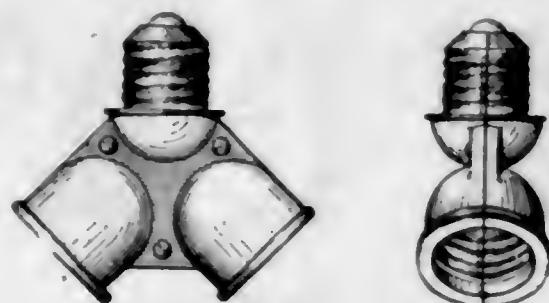
The ornamental design for a bottle as shown.

65,873. KNITTED FABRIC OR SIMILAR ARTICLE. CONRAD R. STRASSNER, Lyndbrook, N. Y., assignor to Atlantic Knitting Mills, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1923. Serial No. 5,993. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a knitted fabric or similar article, as shown.

65,874. MULTIPLE LAMP SOCKET. HERMAN L. STRONGSON, Brooklyn, N. Y. Filed Mar. 4, 1922. Serial No. 1,041. Term of patent 7 years.



The ornamental design for a multiple lamp socket as shown.

65,875. COSMETIC-STICK HOLDER. EMERSON H. TOMPKINS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 26, 1924. Serial No. 8,438. Term of patent 7 years.



The ornamental design for a cosmetic stick holder as shown.

65,876. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,612. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

65,877. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,614. Term of patent $3\frac{1}{2}$ years.



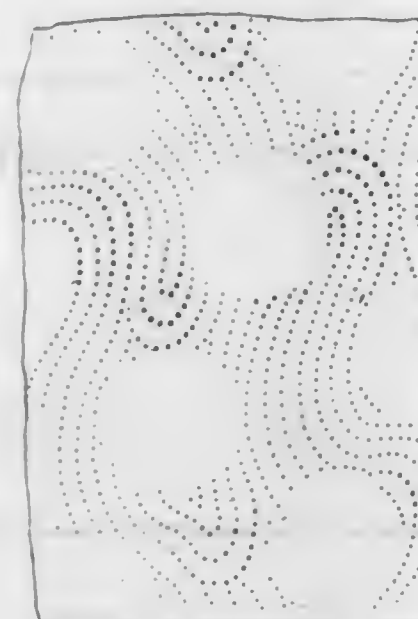
The ornamental design for flocked voile fabric, as shown.

65,878. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,615. Term of patent $3\frac{1}{2}$ years.



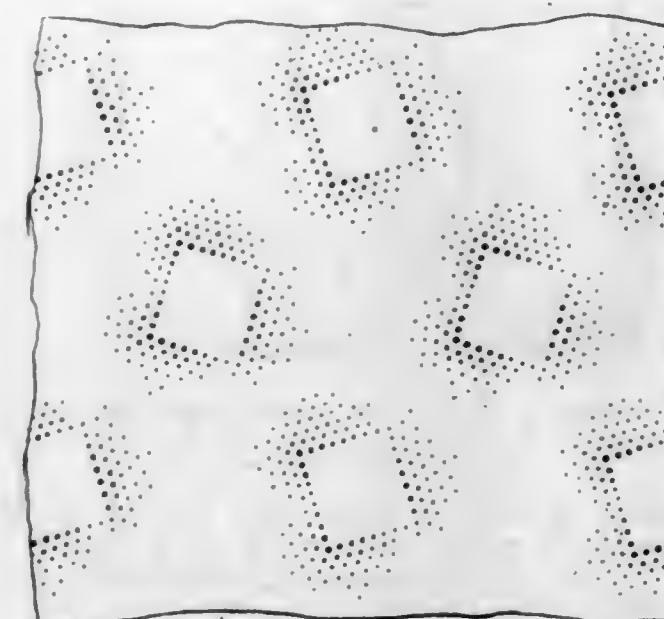
The ornamental design for flocked voile fabric, as shown.

65,879. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,616. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

65,880. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,617. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

65,881. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,618. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

65,882. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,619. Term of patent 3½ years.



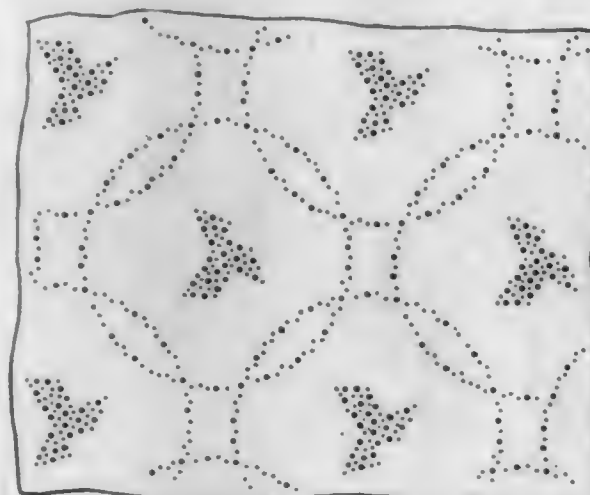
The ornamental design for flocked voile fabric, as shown.

65,883. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,620. Term of patent 3½ years.



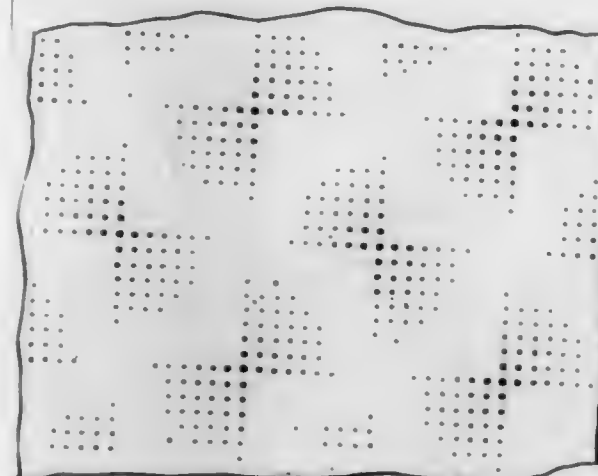
The ornamental design for flocked voile fabric, as shown.

65,884. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,621. Term of patent 3½ years.



The ornamental design for flocked voile fabric, as shown.

65,885. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,622. Term of patent 3½ years.



The ornamental design for flocked voile fabric, as shown.

65,886. ASH TRAY OR THE LIKE. ERNEST MOORE VIKESNEY, Spencer, Ind. Filed Aug. 14, 1924. Serial No. 10,457. Term of patent 14 years.



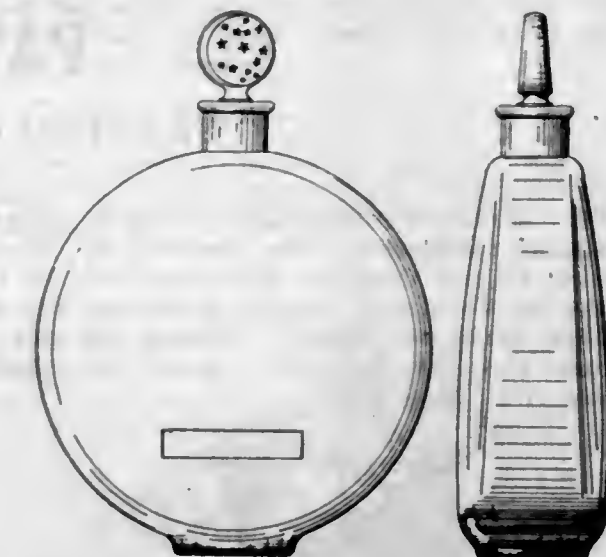
The ornamental design for an ash tray or the like, as shown.

65,887. RADIOCABINET. HANS WEIDE, Brooklyn, and OSWALD LORENZ, Astoria, N. Y. Filed Aug. 1, 1924. Serial No. 10,338. Term of patent 14 years.



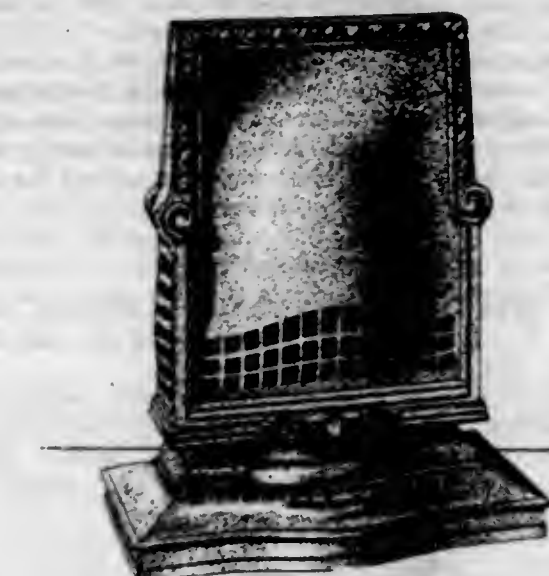
The ornamental design for a radio cabinet, as shown.

65,888. FLASK. JACQUES WORTH, Paris, France. Filed May 12, 1924. Serial No. 9,567. Term of patent 14 years.



The ornamental design for a flask, as shown.

65,889. SOUND AMPLIFIER OR SIMILAR ARTICLE. EVERETT WORTHINGTON, San Francisco, Calif., assignor to Radio Phono-Krafts, San Francisco, Calif., a Common Law Trust. Filed Aug. 11, 1924. Serial No. 10,438. Term of patent 14 years.

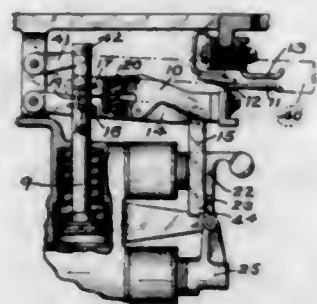


The ornamental design for a sound amplifier or similar article, substantially as shown.

PATENTS

GRANTED OCTOBER 28, 1924.

1,512,898. MOTOR-CONTROLLING DEVICE. BURTON S. ALKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Oct. 14, 1919, Serial No. 330,601. Divided and this application filed Jan. 24, 1921. Serial No. 439,392. 1 Claim. (Cl. 200-106.)



In a motor controlling device, the combination with a switch for controlling the motor circuit and including a movable switch arm, of a lever connected to said arm, a depending latch member pivoted to said lever, a magnet, a pivotally mounted armature therefor and providing a support for said member to hold the switch arm in its closed position when said magnet is energized, a second magnet, and a pivotally mounted armature therefor having means for engaging and tripping said latch member from its support when said second magnet is subjected to an excess flow of current.

1,512,899. MASTOID BANDAGE. MAX BEILOCK, New York, N. Y. Filed Nov. 6, 1922. Serial No. 599,228. 1 Claim. (Cl. 128-163.)

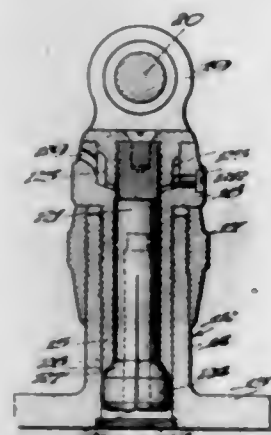


A mastoid bandage comprising a cupped shield said shield comprising an outer member of woven fabric and an inner member of rubber, a soft wire enclosed within the margin of the shield intermediate its two members, the inner rubber member projecting outwardly beyond said wire, and means for securing the bandage upon the head.

1,512,900. VALVE-OPERATING MECHANISM. ALFRED BERGERON, Woonsocket, R. I. Filed Mar. 22, 1922. Serial No. 545,741. 2 Claims. (Cl. 123-90.)

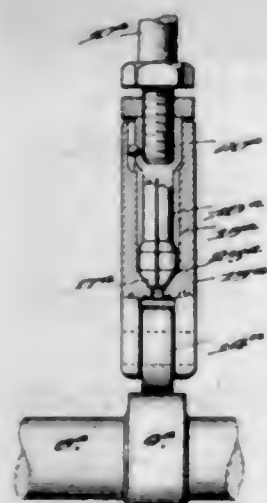
2. The combination with an actuated member and an actuating member, of a motion-transmitting member comprising a lever fulcrumed between its ends and having said ends bearing respectively against the actuating and

actuated members, and a mounting for said lever comprising a base having a socket provided with a tapered bearing surface and a post on which the lever is ful-



crumed, said post having a split spring end provided with inclined surfaces bearing against the tapered surface of the socket.

1,512,901. VALVE-OPERATING MECHANISM. ALFRED BERGERON, Woonsocket, R. I. Filed Mar. 22, 1922. Serial No. 545,742. 2 Claims. (Cl. 123-90.)



1. In valve operating mechanism, the combination with a member to be operated and a member for operating it, of a yielding motion transmitting member interposed between the two members and including an element having a socket provided with a tapered bearing portion and guiding side walls, and a stem having a compressible tapered portion that has a bearing against the tapered bearing portion of the socket and an incompressible portion bearing against the guiding side walls.

1,512,902. PORTABLE PROPELLER. GRANVILLE M. BOYD, Spokane, Wash. Filed Feb. 26, 1924. Serial No. 695,140. 5 Claims. (Cl. 115-17.)

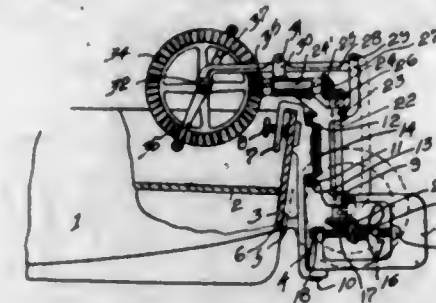
1. The combination in an attachment as described with a hinged frame and a transmission shaft therein

OCTOBER 28, 1924

U. S. PATENT OFFICE.

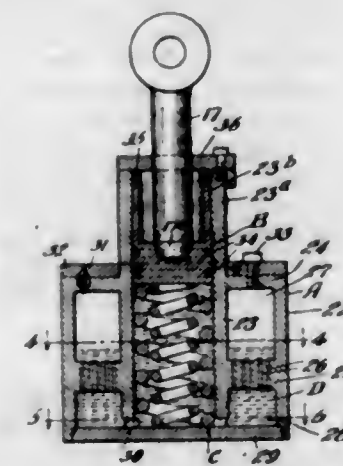
755

having a pinion thereon, of a foldable arm pivoted on the frame and provided with a transversely arranged bearing head, a shaft in the bearing head having a gear



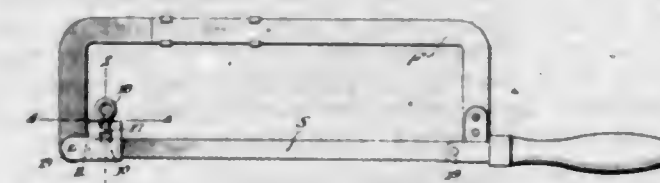
for co-action with said pinion, and means whereby said shaft may be moved in its bearing to release the gear and pinion for folding said arm.

1,512,903. SHOCK ABSORBER. ARILD M. BRENNER, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 16, 1922. Serial No. 588,557. 3 Claims. (Cl. 267-64.)



1. In a shock absorber, the combination with a cylinder tapered at one end; of a piston tapered at one end so as to snugly coact with the tapered portion of the cylinder wall at the end of movement of the piston in one direction; a spring resisting movement of the piston inwardly of the cylinder; an auxiliary chamber having communication with the cylinder by means of restricted passages; and fluid means transferable between the cylinder and said auxiliary chamber through said restricted passages.

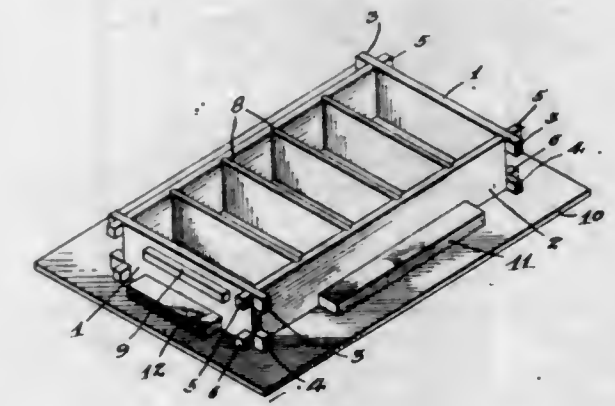
1,512,904. HACK-SAW-BLADE HOLDER. DENNIS J. BRENNAN, Germantown, and JAMES J. GILROY, Lost Creek, Pa. Filed Mar. 14, 1923. Serial No. 624,996. 3 Claims. (Cl. 145-33.)



1. A saw blade holder of the kind described, comprising a body member having two spaced side walls closed at its bottom, the inner faces of said walls converging toward said bottom from a width sufficient to receive two blades side by side to a width substantially equal to the width of one blade so that when

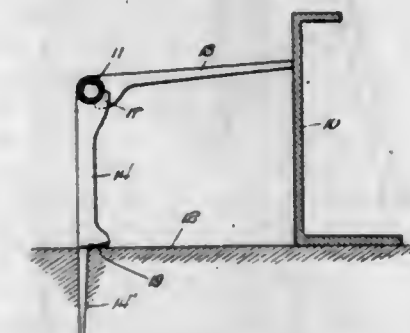
two are inserted and thrust along the converging walls their cutting edges will be brought in close contact, and a binding screw adjustably supported in the upper end of the holder and extending between said walls to bind saw blade or blades between said walls and bottom of the body member.

1,512,905. MOLD. FRANK P. BUNKER, North Manchester, Ind. Filed Mar. 4, 1924. Serial No. 696,862. 2 Claims. (Cl. 25-121.)



1. In a mold of the character described, a pair of substantially rectangular side members, each having an upper hook-like extension and a lower hook-like extension at each of the opposite ends thereof, the bill portion of each hook-like extension depending from its juncture with the body of the extension, and a pair of substantially rectangular end members cooperating with said side members, each end member having an upper hook-like extension and a lower hook-like extension at each of the opposite ends thereof for engaging with the corresponding hook-like extensions at one end of the side members, the bill portion of each hook-like extension to an end member depending from its juncture with the body of the hook-like extension.

1,512,906. BAR-SUPPORTING PIN. WILLIAM C. BURRELL, Kankakee, and ROBERT R. ROBERTSON, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 679,630. 5 Claims. (Cl. 94-39.)

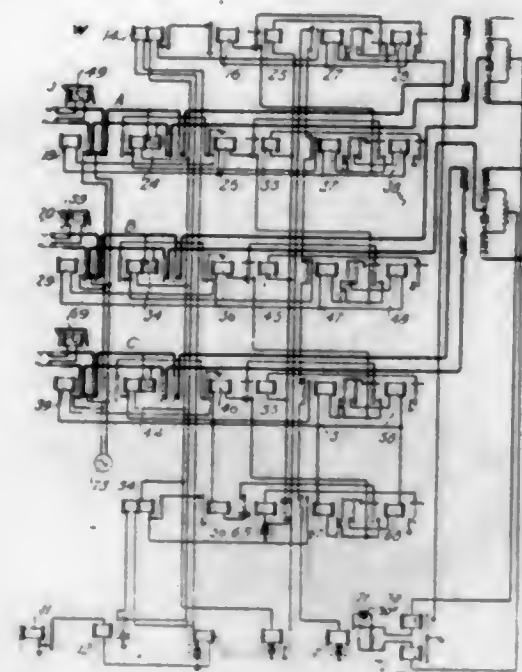


1. A bar support comprising a pin of channel shape thruout having out-turned feet near its longitudinal mid-portion and a concave part at its upper end to receive a bar.

1,512,907. TELEPHONE SYSTEM. ROY D. CONWAY, Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1919. Serial No. 348,124. 17 Claims. (Cl. 179-43.)

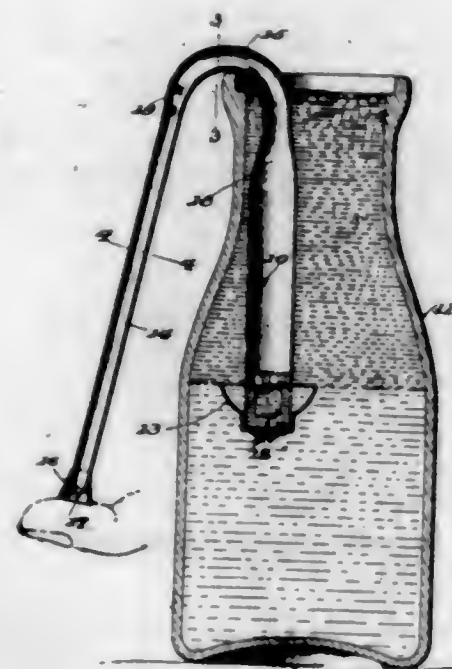
1. In a telephone system, distant offices, a central office, a plurality of transmission lines interconnecting

said offices, a signaling circuit connected to certain of said lines, and means at said central office operable when any one of said lines is taken for use to trans-



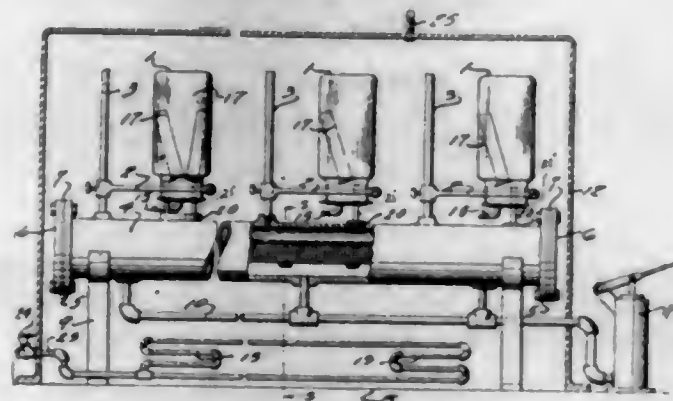
mit a series of impulses over said signaling circuit to said distant offices to selectively determine at one of them the particular line over which a call is initiated.

1,512,908. CREAM REMOVER. JAMES HERBERT COUN-
YER, Oskaloosa, Iowa. Filed Dec. 2, 1922. Serial No.
604,600. 3 Claims. (Cl. 137-20.)



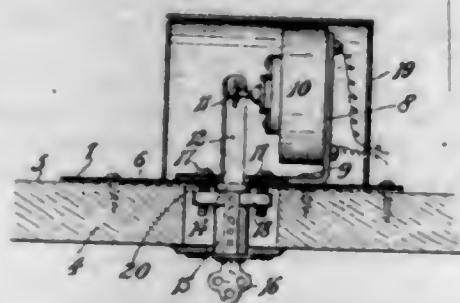
1. A cream remover comprising an intake tube and an outlet tube adapted to respectively extend within and outside of a bottle neck, and also including a curved tubular connection between the intake and outlet tubes, said connection being of flattened tubular form and of greater cross sectional area than the outlet tube and less cross sectional area than the intake tube, whereby to lessen the height the liquid has to be thrown and thus give the device more power in starting siphon action, as well as to permit the device to rest steadily upon the upper edge of a bottle into which the intake tube extends.

1,512,909. PROCESS AND APPARATUS FOR SEPA-
RATION OF SOLIDS FROM LIQUIDS CONTAINING
THE SAME. PAUL GEORGE DOHA, Yonkers, N. Y., as-
signor to Kober Chemical Company, Inc., Hastings-on-
Hudson, N. Y. a Corporation of New York. Filed
July 11, 1921. Serial No. 483,824. 10 Claims. (Cl.
260-15.)



9. An apparatus for anaerobically drying the hydro-
chlorid of 3, 3-diamino-4, 4-dioxyarsenobenzol and like
products from aqueous solutions of hydrochloric acid
from which the products have been precipitated, compris-
ing a closed container, a hollow closed non-collapsible
filter of acid resisting material within said container, a
closed chamber containing caustic soda and dehydrated
calcium chlorid, means for maintaining a vacuum with-
in said chamber, means for withdrawing from said con-
tainer through said filter the greater portion of the
liquid in said container, means for connecting said con-
tainer to said chamber after the completion of said fil-
tration so as to permit drainage and evaporation from
the container to the chamber, and means for applying
heat to the container during such evaporation.

1,512,910. SWITCH LOCK FOR MOTOR VEHICLES.
DENIS FRANCIS DOWNES, Coburg, near Melbourne, Vic-
toria, Australia. Original application filed Apr. 12,
1920, Serial No. 373,292. Divided and this application
filed Aug. 31, 1921. Serial No. 497,348. 1 Claim.
(Cl. 180-82.)



authorized use and interference, an ignition-control
switch mounted on the engine side of the instrument
board of the vehicle and having an operating lever pro-
vided with a ball, a lock secured on said board ad-
jacent to said switch, and a rotatable member in said
lock, an arm connecting said rotatable member with
the ball of the switch operating lever, and a plurality
of protective strips interposed between said dashboard
and said lock and switch, substantially as described.

1,512,911. PROTECTING DEVICE FOR ELECTRICAL
CIRCUITS. OTTO DAETZ, Essen-on-the-Ruhr, Ger-
many. Filed Aug. 26, 1921. Serial No. 495,845. 8
Claims. (Cl. 200-123.)

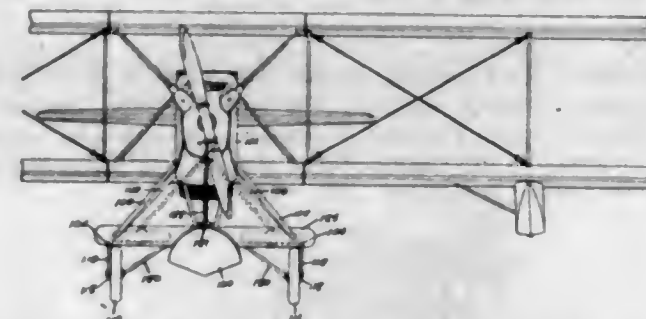
1. In a protective device for electric circuits, in com-
bination: an ordinary fuse, a temperature switch con-
nected in parallel with the fuse and conducting the

greater portion of the current, said temperature switch
comprising a soldered joint holding said switch in its
switched-in position, and a spring tending to open said



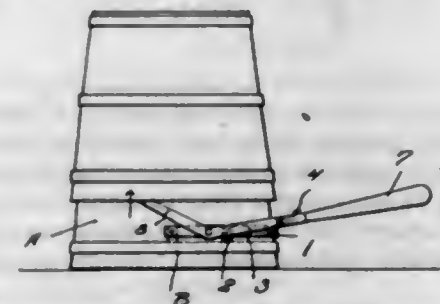
switch, said soldered joint being adapted to become un-
soldered by an increase of temperature in the protected
circuit and to release said switch.

1,512,912. AEROPLANE. IVAN H. DRIGGS, Dayton,
Ohio, assignor to Dayton-Wright Company, Dayton,
Ohio, a Corporation of Delaware. Filed Oct. 6, 1921.
Serial No. 505,799. 13 Claims. (Cl. 244-2.)



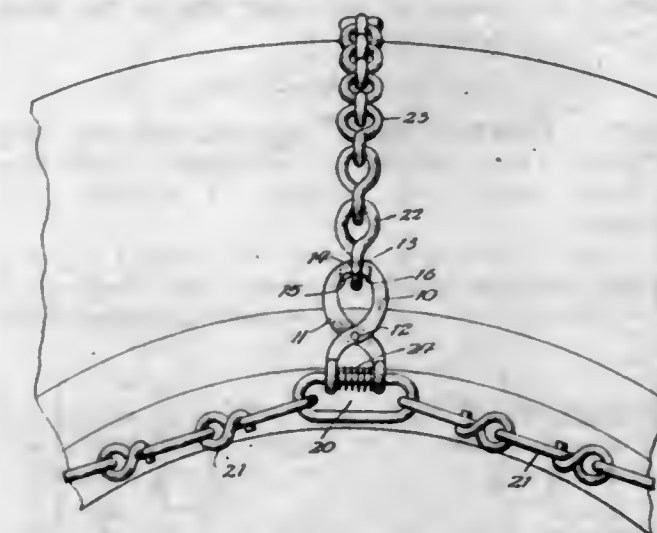
4. An amphibian airplane having a non-retractable
landing chassis frame, a non-retractable landing pontoon
rigidly mounted upon said frame for landing on water,
retractable landing wheels retractably mounted upon
said chassis frame at points independent of and distant
from said pontoon, whereby said wheels may be ex-
tended below said pontoon for landing on land or with-
drawn toward said chassis frame to a point above the
water line on said pontoon, and an auxiliary lifting
aerofoll rigidly mounted upon said chassis frame and
adapted to house said wheels when in retracted position.

1,512,913. TUB LOOSENER. JOSEPH C. DUGAN, St.
James, Minn. Filed June 25, 1924. Serial No.
722,318. 2 Claims. (Cl. 254-131.)



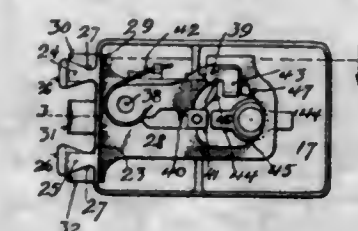
2. A device for separating superimposed receptacles
comprising an arcuate base member adapted to extend
around the lower receptacle, bearing lugs depending
from the base member adjacent the ends thereof, a
fork shaped lever having laterally extending arms
pivotaly associated with the base member adjacent the
ends of the latter, said laterally extending arms ter-
minating in upwardly inclined extensions adapted for
engagement with the bottom of the upper-receptacle.

1,512,914. CROSS-CHAIN CONNECTER FOR ANTI-
SKID CHAINS. IVOR G. ALEXANDER DU REES, Win-
netka, Ill. Filed Mar. 7, 1924. Serial No. 697,532.
5 Claims. (Cl. 24-242.)



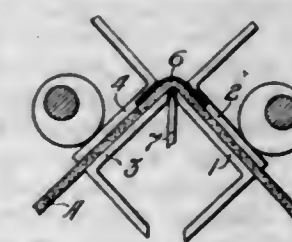
1. A device of the character described including co-
operating members pivotally connected intermediate
their ends, one extremity of the members being shaped
to form opposed hook shaped portions adapted to en-
gage in a link of a cross chain and form opposite sides
of the link, an elongated link, means loosely connecting
the other ends of said members with the said elongated
side link for free movement towards and away from
each other to open and close the said hook shaped ex-
tremities, and means independent of and remote from
the pivot of the members and tending normally to sepa-
rate the ends of the said members which are connected
with the said elongated side link to close the said hook
shaped ends with respect to each other.

1,512,915. DOOR LOCK. SAMUEL EDELSON, New York,
N. Y. Filed Oct. 20, 1921. Serial No. 509,038. 3
Claims. (Cl. 70-14.)



1. A lock comprising a member adapted to be secured
to the door frame and having interlocking, dovetail
sockets adapted to receive projections on the lock cas-
ing in one direction, and having sockets to receive bolts
in another direction, a lock casing having interlocking,
dovetail projections adapted to enter said dovetail sock-
ets as the door is closed, and sliding bolts movable in
said dovetail projections into and out of said bolt sock-
ets in said first member, said bolts projecting laterally
beyond said dovetail projections.

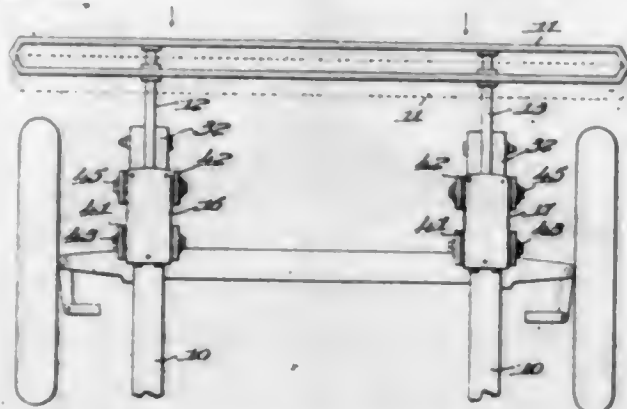
1,512,916. METHOD OF AND APPARATUS FOR
SHARPLY BENDING FIBER BOARDS. ARMIN EL-
MENDORF, Chicago, Ill. Filed Dec. 18, 1922. Serial
No. 607,577. 4 Claims. (Cl. 144-254.)



1. The method of bending a fiber board which con-
sists in gripping it in two clamps spaced apart from
each other and connected together on one side of the

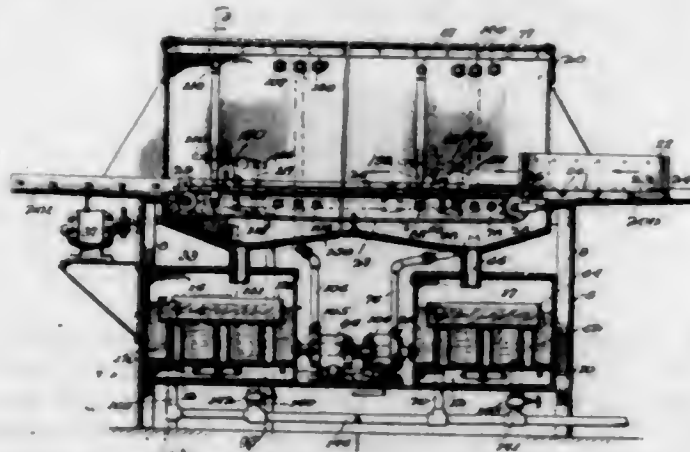
board by a short flexible piece, and then bending the board along a line between said clamps in such a direction that said flexible piece will lie on the convex side of the bend and the inner adjacent edges of the members of the clamp on the inner side of the board come close to each other.

1,512,917. BUMPER FOR MOTOR-DRIVEN VEHICLES. NELLO FINIZIO, Boston, Mass. Filed Mar. 26, 1924. Serial No. 702,126. 7 Claims. (Cl. 293-55.)



1. A bumper for motor driven vehicles comprising a fender bar; rods extending from said bar; housings into which said rods extend; and means within said housings and coacting with said rods whereby said bar may be forced rearwardly and laterally.

1,512,918. WASHING MACHINE. EDWARD FERDINAND FORSGARD, Waco, Tex. Filed Aug. 22, 1923. Serial No. 658,811. 13 Claims. (Cl. 141-9.)

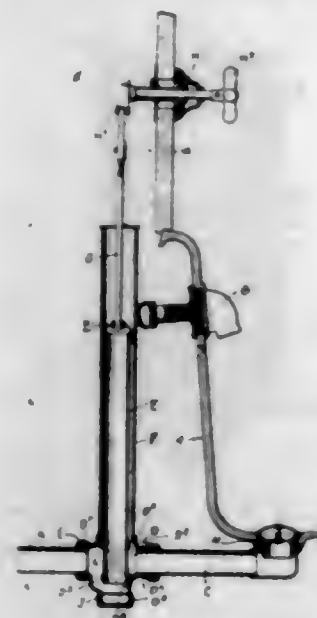


1. A dish washing machine comprising a casing having inlet and outlet openings for the passage of dish containing trays, tray supporting guides extending through the casing, a conveyor for moving the trays through the casing, a motor for operating the conveyor, and a tray actuated motor control member extended through the casing and terminating adjacent the outlet end of the same whereby the discharge of the dish trays from the casing releases said tray actuated motor operating member.

1,512,919. WASTE FIXTURE. JAMES FRASER, Edgemoor, Del., assignor to Speakman Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 20, 1923. Serial No. 658,267. 4 Claims. (Cl. 4-208.)

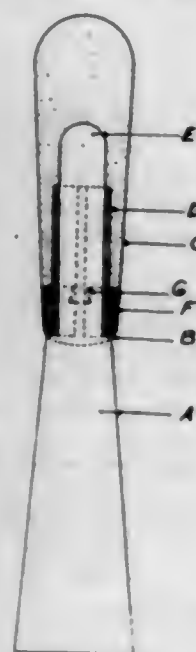
1. A waste valve comprising a chambered casing element having an inlet chamber with an inlet thereto and an outlet chamber with a plurality of outlet openings therefrom and a partition between said chambers shaped to provide a valve seat in the form of a cylinder open at its lower end to said outlet chamber and having a

lateral portion cut away, and a tubular valve axially movable in said seat between a lower closed position in which it closes communication between said chambers



except for an overflow connection formed in part by the bore of said valve, and an upper open position in which said chambers are in direct communication through said cut away seat.

1,512,920. PUTTY AND SCRAPER KNIFE HANDLE. CHARLES EDWARD GALVIN, Springfield, Ohio, assignor to The Ridgely Trimmer Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 12, 1922. Serial No. 551,930. 6 Claims. (Cl. 30-9.)

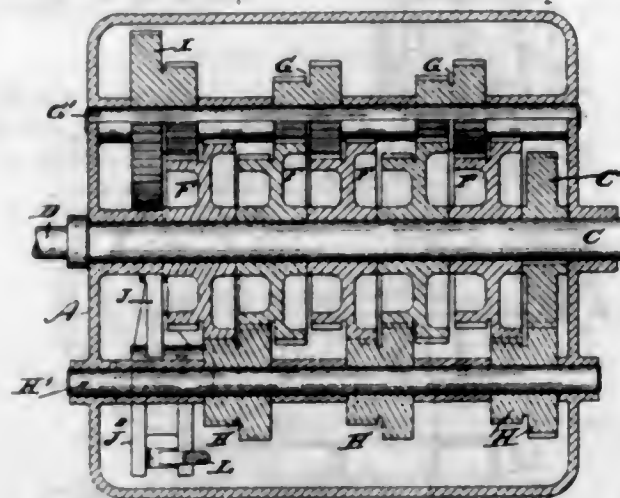


1. In a tool of the character described, a blade, a flat tang integrally formed with said blade, a composition handle, and intermediate means encircling the edges of said tang and overlying the sides thereof, but otherwise disconnected therefrom, whereby the tang will be stiffened independently of the material of said handle.

1,512,921. TRANSMISSION GEARING FOR MOTOR-DRIVEN VEHICLES. JAMES D. GARLICK, Port Huron, Mich. Filed Mar. 1, 1924. Serial No. 696,157. 3 Claims. (Cl. 74-58.)

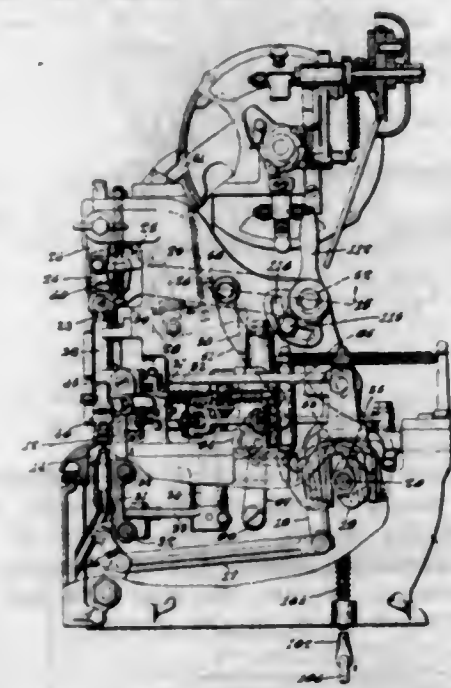
1. In a device of the character described; a driving shaft; a driving gear keyed to the driving shaft; a plurality of gears loosely mounted upon the driving shaft; a plurality of idler gears adapted to couple the respec-

tive gears of the driving shaft together as a unit with the driving gear, whereby they may be actuated by said driving gear at varying speeds; a driven shaft; a gear keyed to but slidable upon said last named shaft adapted to actuate the latter and manually operated means adapted to shift said slidable gear progressively into inter-



meshing relation with the gears of the driving shaft, whereby the driven shaft may be actuated to drive the vehicle at varying speeds in a forward direction, or into intermeshing relation with one of the idler gears, whereby the driven shaft may be reversed to drive the vehicle rearwardly.

1,512,922. FASTENER-SETTING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 14, 1921. Serial No. 469,665. 28 Claims. (Cl. 218-17.)

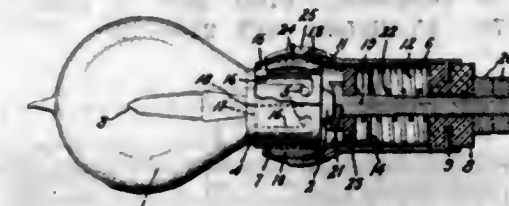


9. A hook-setting machine comprising a hook-sustaining member, a clenching tool, mechanism for moving said hook-sustaining member toward and from said clenching tool, mechanism including a reciprocatory element for moving said clenching tool toward and from said hook-sustaining member, and connections operable by said reciprocatory element for moving said hook-sustaining member laterally.

1,512,923. INCANDESCENT ELECTRIC LIGHTING. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 31, 1921. Serial No. 511,793. 6 Claims. (Cl. 173-328.)

1. A lamp socket, comprising an outer shell provided with an internal seat, a universally movable lamp en-

gaging part disposed within said shell and adapted to frictionally and electrically contact with said seat, and

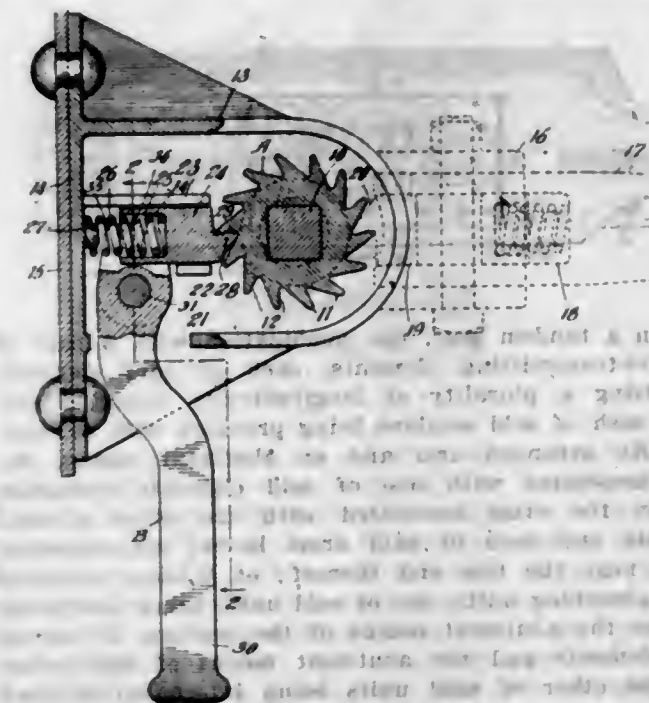


a spring pressed part guided by the inner wall of said outer shell and exerting yielding pressure upon said lamp engaging part.

1,512,924. PROCESS FOR THE PREPARATION OF MAGNESIUM CARBONATE. ANTON HAMBLOCH, Andernach, Germany. Filed Jan. 11, 1923. Serial No. 612,094. 1 Claim. (Cl. 23-13.)

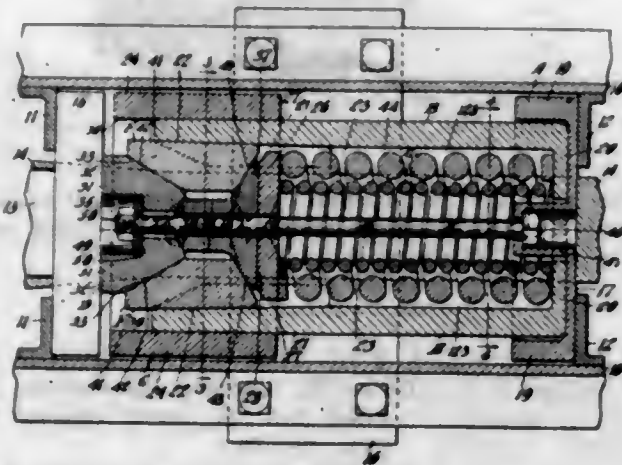
The process of preparing magnesium carbonate from a solution of an acid double alkali metal magnesium carbonate formed by the treatment of material containing magnesium compounds in water saturated with carbon dioxide, which consists in heating said solution under a vacuum whereby magnesium carbonate tri-hydrate is precipitated.

1,512,925. HAND BRAKE FOR RAILWAY CARS. STACY B. HASLETINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Feb. 18, 1922. Serial No. 537,867. 4 Claims. (Cl. 74-118.)



1. In a hand brake, the combination with a staff having a ratchet wheel rotatable therewith, said ratchet wheel having undercut peripheral teeth, each tooth of said wheel having both faces thereof inclined to a line radial to said wheel and passing through the point of said tooth of means for rotating said staff and ratchet wheel step by step in a winding direction; means for holding said ratchet wheel against accidental rotation in an unwinding direction comprising a spring-influenced slidable dog having also an undercut tooth co-operable with the teeth of the ratchet wheel; and a pivoted release lever having operative engagement with said slidable dog having also an undercut tooth co-opering both faces thereof inclined to the direction of sliding movement of said dog and co-acting respectively with the inclined faces of each tooth of the ratchet wheel.

1,512,926. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Mar. 2, 1923. Serial No. 622,279. 15 Claims. (Cl. 213-22.)



6. In a friction shock absorbing mechanism, the combination with front and rear followers; of a spring resistance; a combined friction shell and spring follower, having friction surfaces on the interior thereof; friction plates co-acting with said shell friction surfaces; and a wedge friction means co-acting with said friction plates.

1,512,927. SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,518. 11 Claims. (Cl. 213-48.)

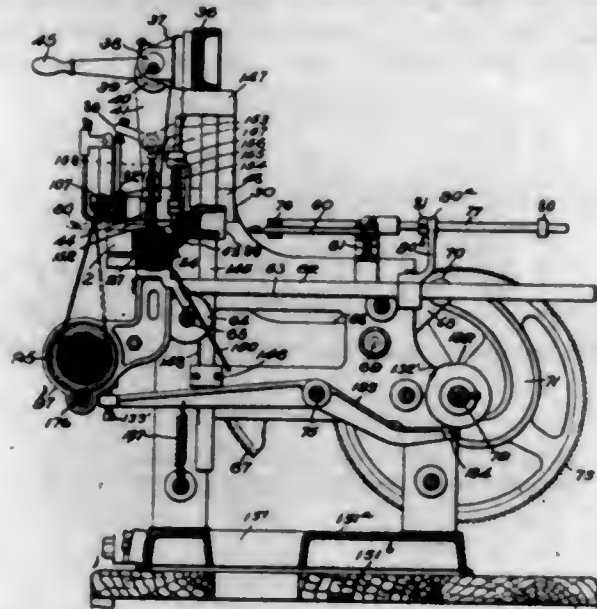


1. In a tandem gear, the combination with a pair of pressure-transmitting elements, each of said elements comprising a plurality of longitudinally arranged sections, each of said sections being provided with a longitudinally arranged arm and an abutment means, the arms associated with one of said elements extending between the arms associated with the other of said elements and each of said arms having an abutment means near the free end thereof; of tandem arranged shock absorbing units, one of said units being interposed between the abutment means of the sections of one of said elements and the abutment means of said arms, and the other of said units being interposed between the abutment means of the sections of the other of said elements and the abutment means of said arms.

1,512,928. MECHANISM FOR PLACING TUFT YARNS IN CARPET MANUFACTURE. EDGAR F. HATHAWAY, Wellesley, and WALTER BIXBY, Dorchester, Mass., assignors to Shawmut Engineering Company, Dorchester, Mass., a Corporation of Massachusetts. Filed Mar. 14, 1922. Serial No. 543,589. 67 Claims. (Cl. 28-56.)

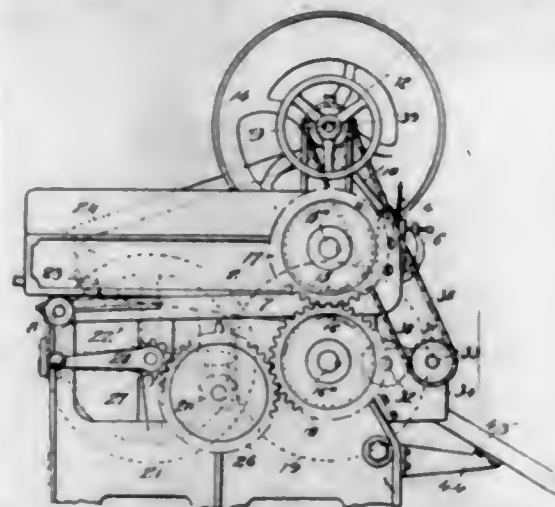
1. In a machine for placing tuft yarns in carpet manufacture through the tubes of a tube frame for use in wide work, the combination of a tube frame having means for supporting a series of spools end to end, a support for a single spool upon the machine, said support adapted to receive each spool of the series suc-

cessively, means for drawing in the yarns of each spool through a section of tubes of the frame while the spool is so supported, means for interengaging the ends of



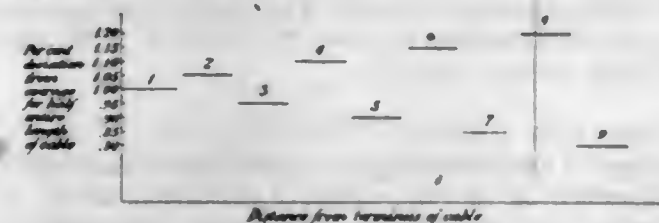
adjacent spools the yarns of which have been drawn in, said spools being positioned in said supporting means of the tube frame, and means for holding the spools from turning while in said frame.

1,512,929. TOBACCO-CUTTING MACHINE. MAX HIMOFF, New York, N. Y. Filed Dec. 21, 1921. Serial No. 523,837. 4 Claims. (Cl. 146-78.)



1. In a tobacco cutting machine the combination of a trough and means to cut slices of tobacco, a chute below said cutting means, rotary cutters to receive tobacco slices from the chute, a stop operable in the chute, and means to operate the stop into and out of the path of tobacco slices in the chute.

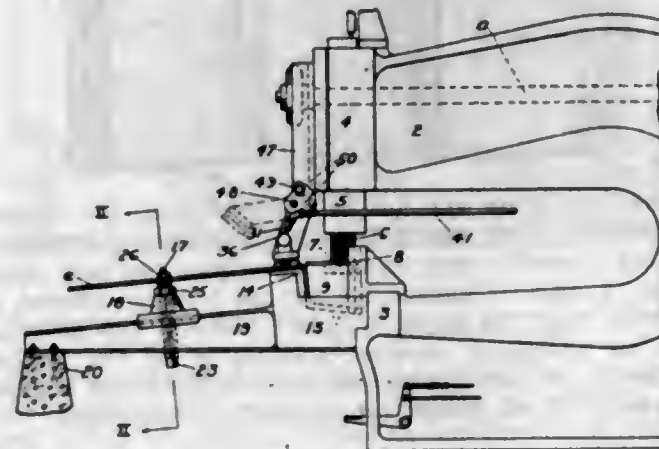
1,512,930. SIGNALING SYSTEM. HARRY W. HITCHCOCK, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 20, 1921. Serial No. 508,946. 9 Claims. (Cl. 173-13.)



1. In a signaling system, the method of constructing a cable comprising a plurality of sections, which consists in measuring the impedance of each of said sections, obtaining the average impedance of all the sections measured,

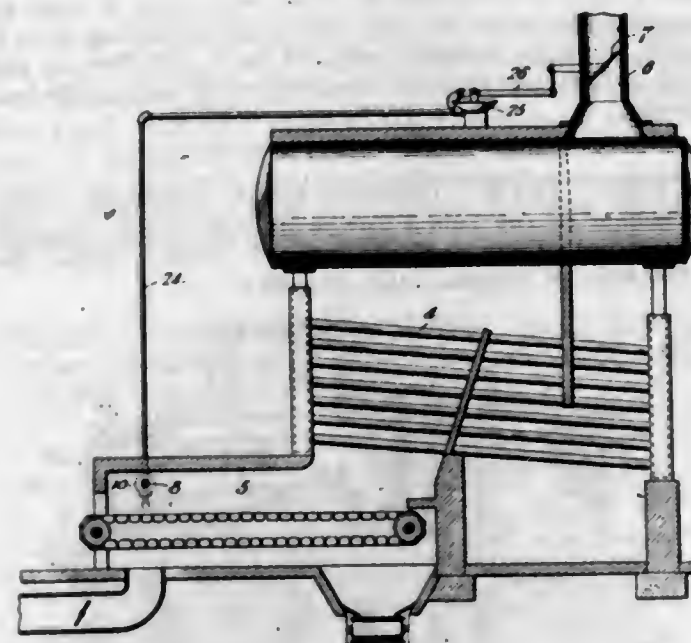
arranging the sections in such order that the section at each terminus shall have the value nearest the average, and arranging the subsequent pairs of adjacent sections between each terminus and the mid-point of the cable in the order of increasing deviation, the adjacent sections of each pair having approximately equal positive and negative deviations.

1,512,931. SHEET-METAL-BENDING DIE. JOHN HUBER, Bellwood, Pa. Filed Sept. 26, 1922. Serial No. 500,617. 12 Claims. (Cl. 153-25.)



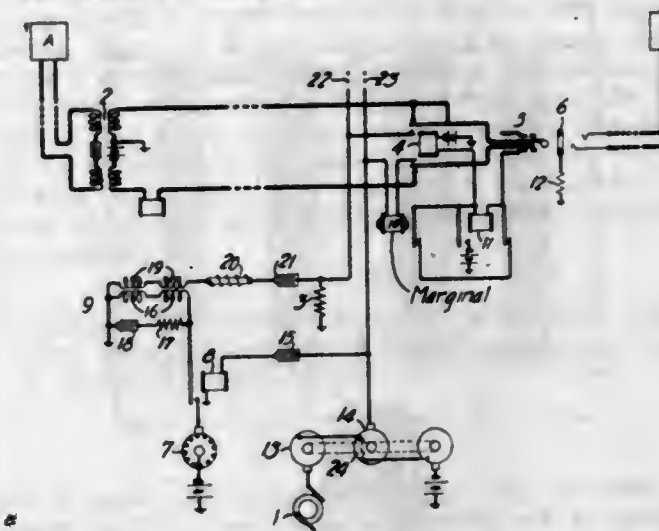
1. In combination with a supporting base and a reciprocable power driven head, a bracket mounted on the base provided with an L-shaped anvil block having an inwardly and downwardly sloping rear face and a forwardly extending supporting face, and a co-acting pressing die secured to the reciprocable head and provided with a correspondingly inclined face adapted to bend a flange against the rear face of the anvil block.

1,512,932. PRESSURE-CONTROL APPARATUS. SYLVESTER H. HUNT, Milwaukee, Wis. Filed Aug. 2, 1922. Serial No. 579,197. 12 Claims. (Cl. 236-15.)



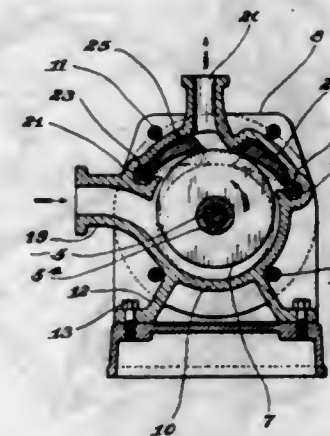
4. In apparatus of the character set forth, the combination with a furnace having an outlet, of means for controlling said outlet, a passageway communicating with the furnace and allowing the influx and effluence of fluids of different temperature, a thermostat in said passageway, and mechanism controlled by said thermostat for operating the outlet controlling means.

1,512,933. SIGNALING SYSTEM. PHILIP HUSTA, Corona, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1921. Serial No. 499,101. 12 Claims. (Cl. 179-89.)



11. A telephone system, comprising a plurality of stations, a plurality of sources of signaling current, a plurality of paths for supplying signalling current from said sources to said stations, and means responsive to current in one of said paths for controlling another of said paths.

1,512,934. ROTARY PUMP. OYSTEIN JACOBSEN, Dayton, Ohio, assignor to The Duftron Company, Inc., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,694. 3 Claims. (Cl. 103-124.)

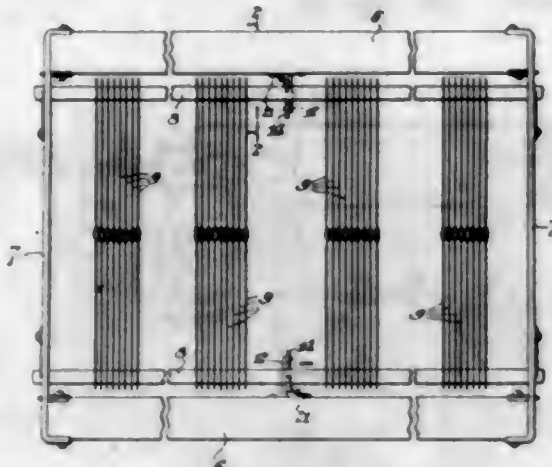


1. In combination in a rotary pump, a shaft with a rotor in the form of an eccentric disc carried thereby, a pump casing having a chamber concentric with respect to the axis of the shaft in which the rotor is mounted, and having inlet and outlet passages leading through the walls of the chamber opposite the periphery of the rotor, and a pair of gravity valves pivoted in the casing on opposite sides of the outlet passage and having their free ends in engagement with the periphery of the rotor throughout the rotation thereof, both of the valves being arranged to prevent a back flow of liquid from the outlet passage around the periphery of the rotor, and the valve on the inlet side of the outlet passage being arranged to permit a forward flow of liquid past it to the outlet passage.

1,512,935. HEDDLE FRAME. JACOB KAUFMANN, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1924. Serial No. 685,752. 8 Claims. (Cl. 139-92.)

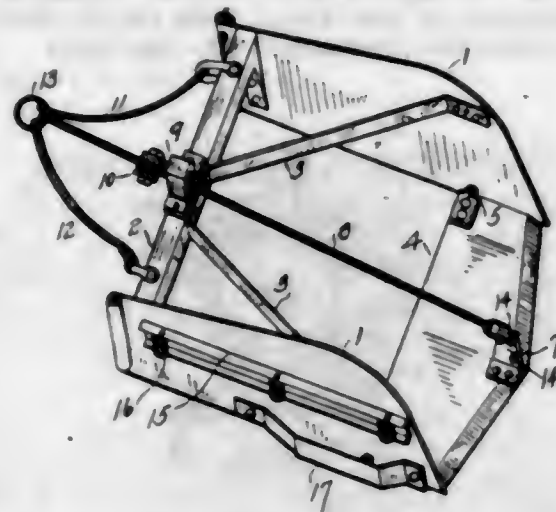
1. In a heddle frame, the means for supporting the heddle bars intermediate their ends comprising a bracket-like device secured to the inner edge of the heddle frame bar, said bracket-like device having an extension

provided with a recess adapted to receive and support the heddle bar, a member slidably mounted on said extension having an overlapping lip adapted to engage



the heddle bar and lock the same in the recess in the extension of the bracket member, and resilient means adapted to impel said slidable member to the normal locking position.

1,512,936. SELF LOADING AND UNLOADING SCRAPER AND METHOD FOR OPERATING THE SAME. DAVID B. KNAPP, Philadelphia, Pa., assignor to Co-Operative Utilities Co., Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 24, 1922. Serial No. 546,374. 4 Claims. (Cl. 37-136.)



1. A scraper bucket for mine use comprising side plates, bracing means therefor, a scoop member pivoted between said side plates adjacent the material receiving end, means on each side plate functioning under a filling movement of said scraper to cause the material engaging ends of said plates to have a downward digging action, and means for moving said scraper towards and away from the material, said moving means being arranged to hold said scoop substantially horizontal under filling direction movement and to hold said scoop substantially inclined to form a closure for the scraper end under movement in another direction.

1,512,937. COMBINATION SAFE-DESK. LEON KNASTER, West Hoboken, N. J. Filed May 23, 1923. Serial No. 640,922. 1 Claim. (Cl. 45-6.)

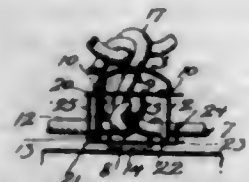
In a combination safe-desk of the class described, a desk comprising a side wall and having a slidable panel forming a complementary section of the side wall and movable to open and closed position, a safe compartment in the desk in the rear of said panel and normally concealed thereby, but adapted to be exposed when the panel is moved to an open position, a manually operable locking member pivoted in the side wall aforesaid, and a drawer forming a part of the desk and

between which and the panel the said side wall is located, the said locking member having one end adapted to cooperate with the panel and having its opposite end manually operable to move the locking member out of cooperation with said panel, the drawer being adapted to conceal the locking member and to normally cover the said manually operable end of the locking member



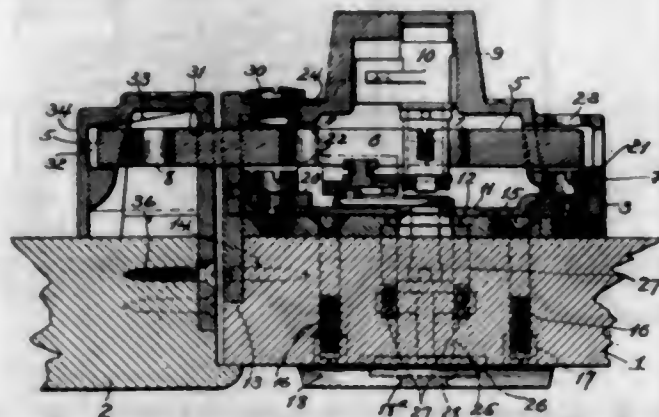
so that the latter can not be operated until the drawer is removed from the desk to thus render the locking member accessible for manual actuation, the said panel having a member engageable by the locking member to normally hold the panel in closed position and provided with an additional member engageable by the locking member to cooperate with the latter to limit the opening movement of the panel, substantially as described.

1,512,938. SEAL. CONRAD KNOTH, Jr., Ridgewood, N. Y., assignor of one-half to John T. Bladen, Brooklyn, N. Y. Filed Sept. 18, 1923. Serial No. 663,380. 4 Claims. (Cl. 202-325.)



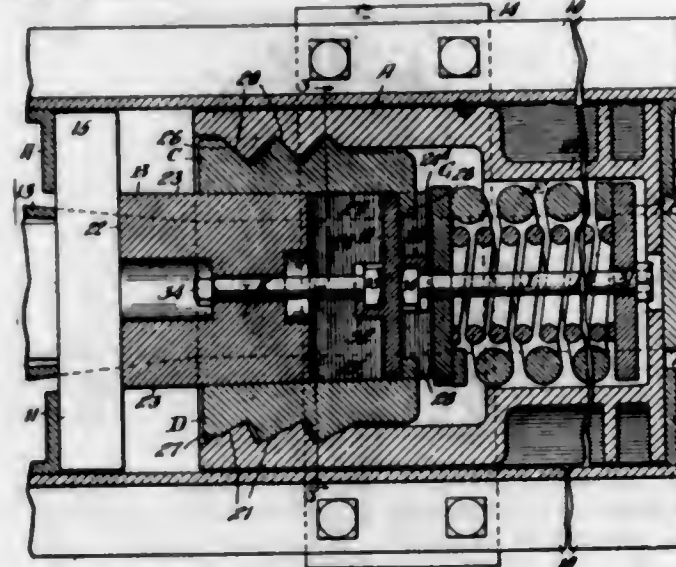
1. A seal of the class described comprising a shell adapted to enclose a knot tied in a rope or cord, said shell having an open end to receive the knot therein and having a plurality of slots extending upwardly from said open end to receive different runs of a cord or rope arranged at an angle to each other, and a closing strip of easily breakable material adapted to be attached to said shell to close the shell for the purpose of sealing the knot therein.

1,512,939. LOCK. CHARLES LEDIN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Sept. 4, 1923. Serial No. 660,849. 9 Claims. (Cl. 70-46.)



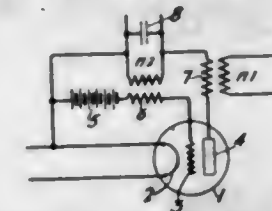
1. The combination with the casing of a rim lock and an outer escutcheon or guard plate, of a reinforcing plate to be disposed between the lock casing and a door, bolts connecting said reinforcing plate and escutcheon or guard plate, and normally concealed fastening means securing the casing to said reinforcing plate.

1,512,940. FRICTION SHOCK-ABSORBING MECHANISM. GOODRICH Q. LEWIS, Wheaton, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 31, 1922. Serial No. 585,441. Renewed June 7, 1924. 12 Claims. (Cl. 213-36.)



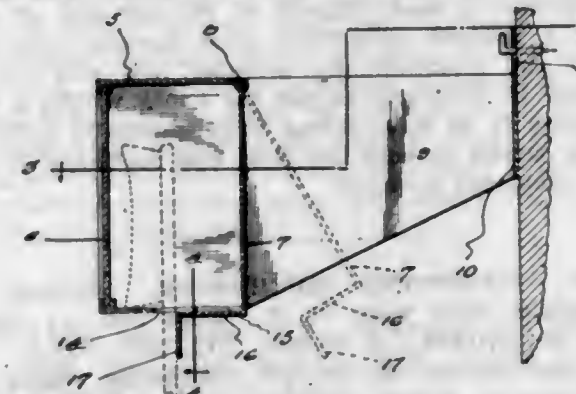
1. In a friction shock absorbing mechanism, the combination with a container; of a pressure-transmitting friction member; gripping elements between said friction member and the container; cooperable wedge faces on said elements and the container, certain of said wedge faces being of keener angle than others; and a spring resistance.

1,512,941. FREQUENCY-CHANGING DEVICE. SIGMUND LOEWE, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1921. Serial No. 453,843. 5 Claims. (Cl. 172-281.)



1. A space current device, having a cathode, an anode, and a grid, a source of space current connected between said grid and said cathode, means connected between said anode and said cathode for receiving an incoming wave of potential, and other means connected between said anode and said cathode for transmitting an outgoing wave of twice the frequency of said incoming wave in response to said incoming wave.

1,512,942. TOOTHBRUSH HOLDER. NINA MAE MAHAFY, Armada, Mich. Filed Nov. 16, 1923. Serial No. 675,128. 1 Claim. (Cl. 248-63.)



In a sanitary tooth brush holder of the character described, a substantially rectangular horizontally elongated casing having a depending swinging cover at the

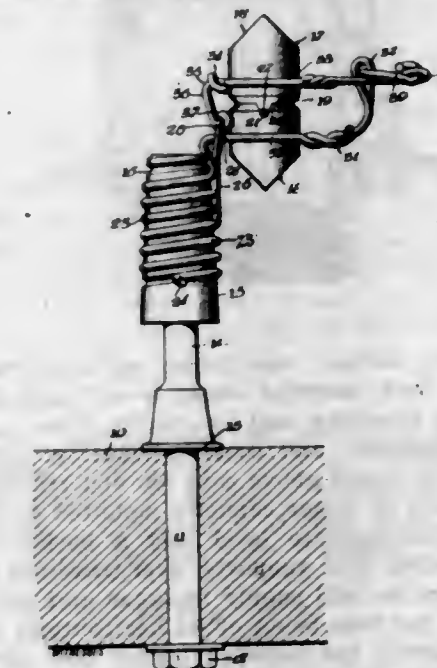
back thereof and divided into a plurality of compartments by means of transverse partitions, said casing having a bottom wall provided with a plurality of transverse slots opening through the rear edge thereof for reception of a plurality of tooth brushes, one of said slots being provided at the bottom of each of said compartments; means to support said casing in spaced relation from a support, said casing having a transparent front wall and a forwardly projecting flange upon the lower end of said cover adapted to underlap the bottom wall of the casing when the cover is closed and the free edge of said flange being bent downwardly to provide a stop with which the handle of the brushes are adapted to be engaged.

1,512,943. THIMBLE. DOMINIC MARTINEAU, Johnson City, Tenn. Filed Dec. 9, 1921. Serial No. 521,115. 1 Claim. (Cl. 223-51.)



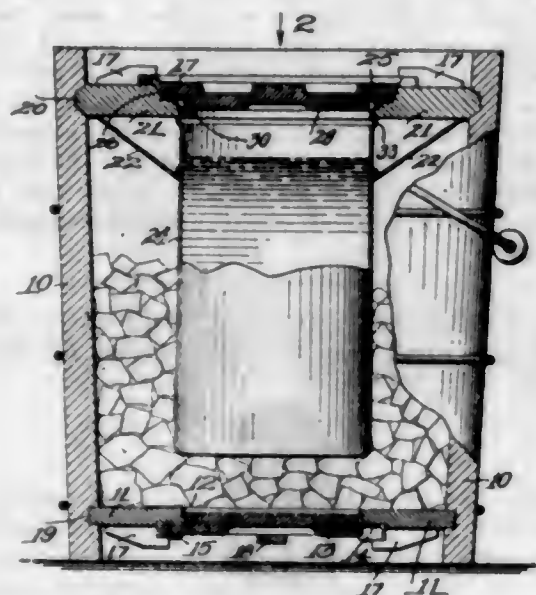
A thimble formed with a housing having an open end and provided with a slot, said housing closing the ends of said slot and forming a guide flange at each side of the slot, a cutting blade slidably mounted in said housing and adapted to be projected through said open end or to be housed within the housing, a threaded stem permanently fixed to said blade and projecting through and beyond said slot, and a nut forming an operating handle for said blade threaded upon said stem and provided with a shoulder adapted to bear against the outer faces of the aforesaid guide flanges, said nut also serving to force the cutting blade against the inner faces of said guide flanges whereby the cutting blade may be locked in adjusted positions.

1,512,944. CONDUCTOR HOLDER. JOHN A. NESS and WALTER NESS, Montevideo, Minn. Filed Mar. 2, 1921. Serial No. 448,980. 4 Claims. (Cl. 173-313.)



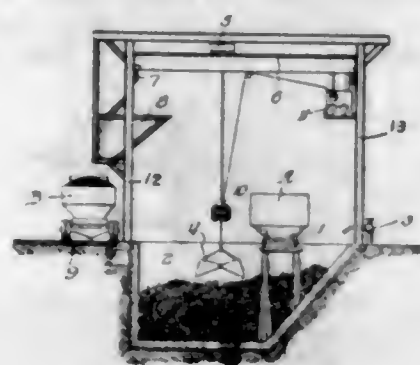
1. In a line wire support and insulator, the combination with a spirally grooved insulator suitably supported; of a coiled clamping member engaged on said grooved insulator and tensionally held in the grooves thereof, said clamping member having upwardly directed portions formed with loops extending laterally and a horizontal ring terminating in an upwardly directed portion, and a second ring pivoted to said loops and cooperating with the first named ring to support a sectional insulator therein.

1,512,945. SHIPPING RECEPTACLE. CRANDALL U. NORCROSS, Winchendon, Mass. Filed Mar. 12, 1924. Serial No. 698,764. 2 Claims. (Cl. 217-36.)



1. As an article of manufacture, a shipping receptacle comprising a wooden tub having an annular top with an opening in the center, said top having a dead air space surrounding the opening for insulation, a food can fixedly mounted in said opening and projecting therefrom down into the tub, a removable closure over the can supported by the annular top and having cam surfaces for holding it locked in position, and a ball for carrying the tub.

1,512,946. RAILWAY COALING TERMINAL. SPENCER OTIS, Chicago, Ill. Filed Dec. 17, 1921. Serial No. 522,979. 2 Claims. (Cl. 214-10.)

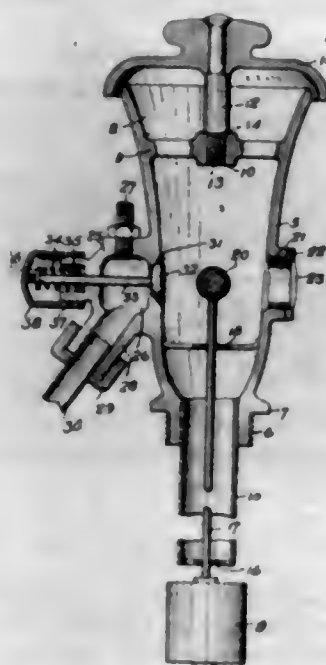


1. A coaling station comprising surface-level supply trackage for coal carrying cars, a sub-surface pit of major capacity receiving coal by gravity from cars standing on said trackage, and coal distributing means comprising supports rising above said pit and trackage, open top delivery bins of minor capacity mounted on said supports at an intermediate level and a bucket handling crane surmounting said supports, over-traveling the storage pit, the cars on said supply trackage and the delivery bins; said pit and bins being offset horizontally one from the other, whereby the hoisting bucket has vertical access to said pit, to cars on said trackage and to all of said bins.

1,512,947. BREATHING PIPE. VICTOR W. PAOE, New York, N. Y. Filed Mar. 24, 1921. Serial No. 455,040. 9 Claims. (Cl. 121-144.)

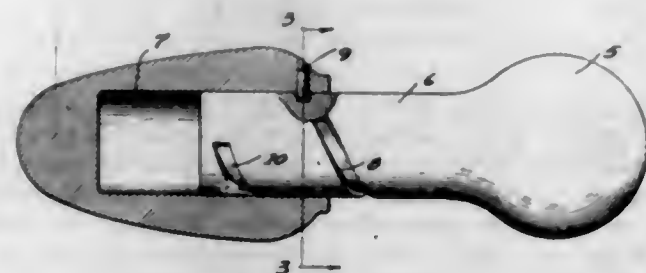
1. In combination with a breather pipe having a sight opening in one of its walls, a gage mounted within the breather pipe and adapted to coact with said sight opening, as and for the purpose set forth.

3. In a breather pipe, a body portion, an oil-distributing chamber formed on the body portion on the exterior thereof, and a relief valve carried by said oil-distributing



chamber and adapted to discharge a portion of the contents of the oil-distributing chamber directly into the breather pipe, as and for the purpose set forth.

1,512,948. STOCKING DARNER. ELIZABETH H. PEIRCE, Chicago, Ill. Filed Aug. 15, 1921. Serial No. 492,431. 4 Claims. (Cl. 223-14.)

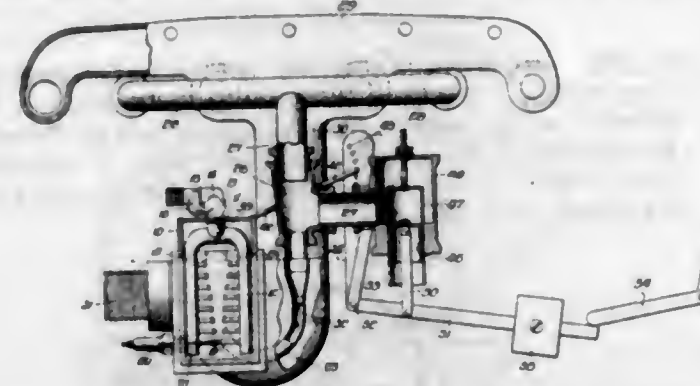


1. A stocking darner comprising the combination of a knob adapted to fill the front portion of a stocking and having a centrally disposed longitudinally extending socket therein, a knob adapted to fill the heel of said stocking, a reduced cylindrical stem integral with the heel-knob and longitudinally movable into and out of said socket to relatively adjust the knobs within a sufficient range to fit in stockings of substantially different sizes, and means to hold the stem and foot-knob in adjustably connected relation.

1,512,949. GASIFYING MECHANISM. GEORGE L. REICHHELM, New York, N. Y. Filed Jan. 11, 1919. Serial No. 270,694. 9 Claims. (Cl. 123-122.)

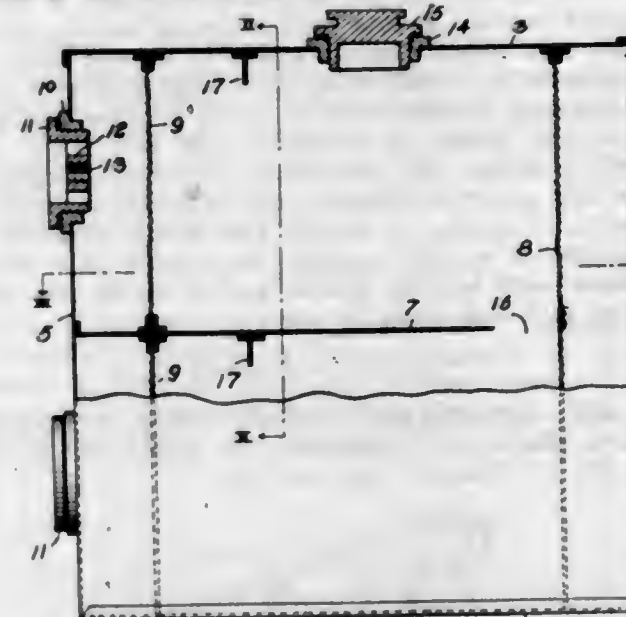
1. In combination, an internal combustion engine including exhaust means therefor, producer means for gasifying heavy hydrocarbon for an initial supply of combustible gas, means for gasifying heavy hydrocarbon from a different source for supplying combustible

gas, said engine exhaust means being placed in a position to provide heat for said second mentioned means, and means for supplying air for mixture with said com-



combustible gas, said engine exhaust means being placed in position to fix said gas before said gas is mixed with said air.

1,512,950. REGENERATOR FOR BREATHING APPARATUS. JOHN T. RYAN, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1921. Serial No. 464,548. 1 Claim. (Cl. 128-191.)

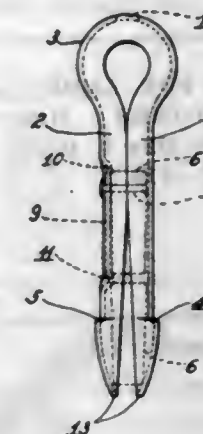


A regenerator for breathing apparatus comprising a casing having a vertical front wall provided with inhalation and exhalation orifices, a horizontal partition dividing the casing into upper and lower compartments for receiving loose granular regenerating material, one of said compartments communicating with the inhalation and the other with the exhalation orifice, a vertical screen forming with the casing walls and said horizontal partition two air spaces, one of which is adjacent to each of said orifices, a vertical screen forming with the rear and side walls of the casing an air passage placing said two compartments in communication with each other, the top wall of the casing being provided with a filling orifice between said two vertical screens, said horizontal partition being provided with a passageway through which loose granular regenerating material may flow from the upper to the lower compartment, and a baffle plate extending downwardly from the upper horizontal wall of the casing into the upper compartment to prevent air from by-passing the regenerating material in the upper compartment.

1,512,951. COTTER PIN. FREDERIC SCHAEFER, Pittsburgh, Pa. Filed May 9, 1923. Serial No. 637,706. 4 Claims. (Cl. 74-8.)

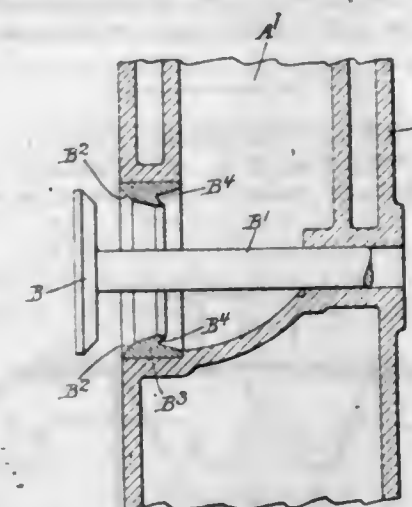
1. A cotter pin comprising a pair of resilient arms and a head integrally connecting the arms at one end, the free ends of the arms being urged yieldingly away

from each other and being provided with outwardly-extending pin-retaining shoulders, a locking dog arranged between said arms and movably borne by one of them,



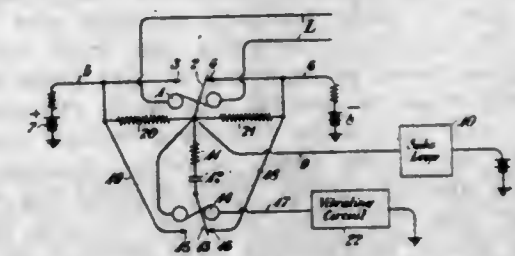
and means for retaining the locking dog in alternate positions of permitting the free ends of the arms to be and preventing them from being sprung inwardly.

1,512,952. REATOMIZER. JOHN A. SECOR, Laporte, Ind., assignor to Advance-Rumely Company, Laporte, Ind., a Corporation of Indiana. Original application filed June 30, 1919, Serial No. 307,682. Patent No. 1,480,959, dated Jan. 15, 1924. Divided and this application filed Dec. 21, 1922. Serial No. 608,231. 14 Claims. (Cl. 123-141.)



1. In an internal combustion engine, a cylinder, an inlet pipe, an inlet valve and valve seat at the end of said pipe where it enters the cylinder, means adjacent to the inlet valve seat to collect solid liquid fuel accumulating on the internal walls of said pipe, and to convert the same into a mist directly at the entrance to said cylinder.

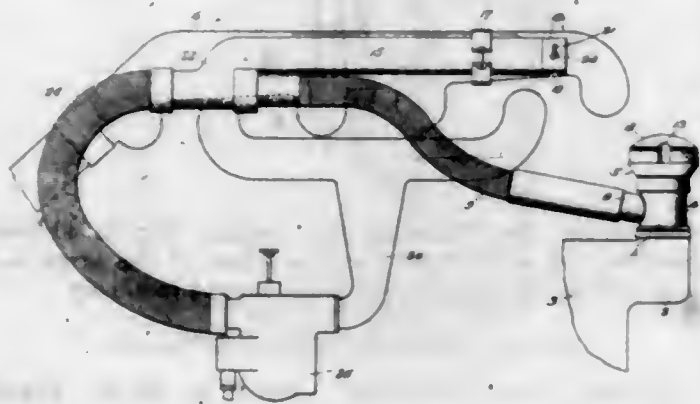
1,512,953. ARRANGEMENT FOR PROTECTING ELECTRICAL CONTACTS. ROY B. SHANCK, Woodside, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 1, 1921. Serial No. 481,985. 6 Claims. (Cl. 175-294.)



1. An electrical circuit comprising a pair of contacts and an armature to "make" and "break" with said contacts, a protective circuit associated with said arma-

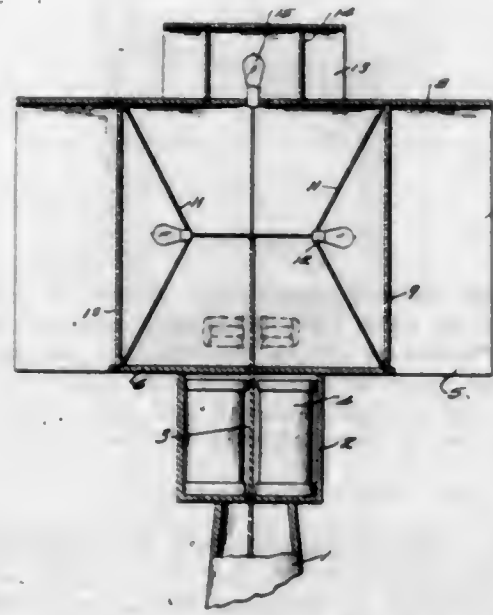
ture and said contacts, and relay means controlled by said armature whereby said protective circuit may be bridged between said armature and either of said contacts before "break."

1,512,954. SYSTEM FOR LUBRICATING INTERNAL-COMBUSTION ENGINES. HENRY D. SMITH, East St. Louis, Ill. Filed May 1, 1923. Serial No. 635,889. 5 Claims. (Cl. 123-119.)



1. Means for supplying lubricating oil to the interiors of cylinders of an internal combustion engine comprising a hose connected with the crank casing and the intake manifold of the engine, a heater connected in the hose and adapted to be applied to the exhaust manifold of the engine and means for inducting atmospheric air into the heater.

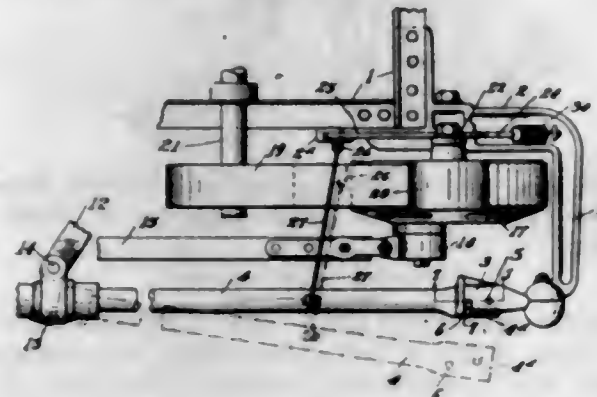
1,512,955. RAILROAD-CROSSING SIGNAL. ARTHUR D. STEVENS, Bridgeton, N. J. Filed July 9, 1923. Serial No. 650,387. 1 Claim. (Cl. 40-132.)



A device of the character described comprising a supporting post, a plate mounted on said post, a hood mounted on said plate including side walls and a top wall, a glass panel at each end of said plate arranged within said hood to provide end walls for said hood, said top and side walls extending beyond said glass panels to protect the same, reflectors mounted behind the panels and of conical form, illuminating elements projecting into the space enclosed by said reflectors and glass panels, an auxiliary hood provided on the top wall of said first mentioned hood comprising a rectangular section formed with side walls and a top wall, the top wall of said first mentioned hood providing a bottom for said auxiliary hood, glass panels mounted in the

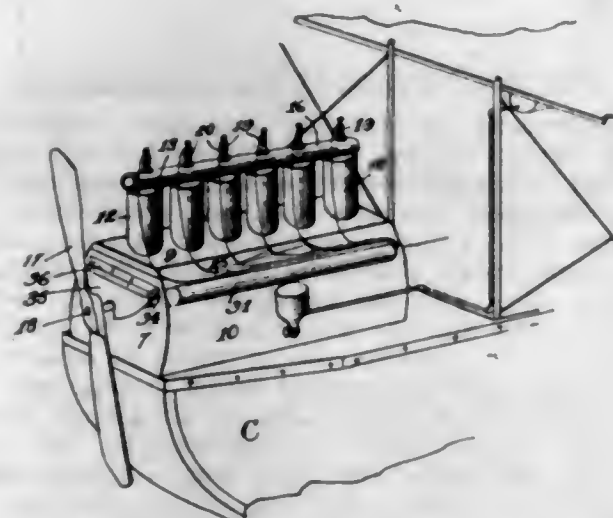
opposite ends of said auxiliary hood to provide an illuminating compartment, and a light arranged between said glass panels and in said compartment.

1,512,956. MOWING-MACHINE ATTACHMENT FOR TRACTORS. WALLACE S. THOMAS and GEORGE C. RHODERICK, Springfield, Ohio, assignors to The Thomas Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 5, 1921. Serial No. 520,118. 5 Claims. (Cl. 56-25.)



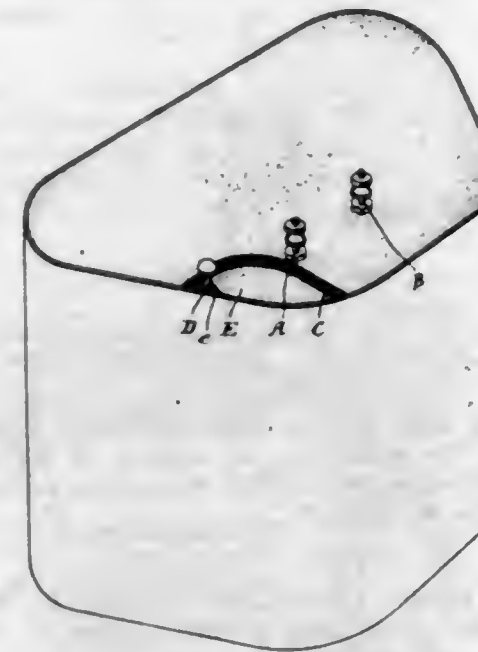
3. In a machine of the character described, a frame, a support pivoted on said frame, cutting devices carried thereby, said support being capable of moving about its pivotal point by undue strain upon said cutting devices, a drive pulley, a driven pulley having a connection with said cutting devices, a normally loose belt about said pulleys, a device for tightening said belt comprising means for positively holding the same in engagement therewith, including a detent, and means operable by the movement of said support for causing said detent to release said holding means, and a spring for withdrawing said tightening device.

1,512,957. AMUSEMENT DEVICE. HARRY G. TRAVER, Beaver Falls, Pa. Filed Feb. 9, 1922. Serial No. 535,285. 7 Claims. (Cl. 46-27.)



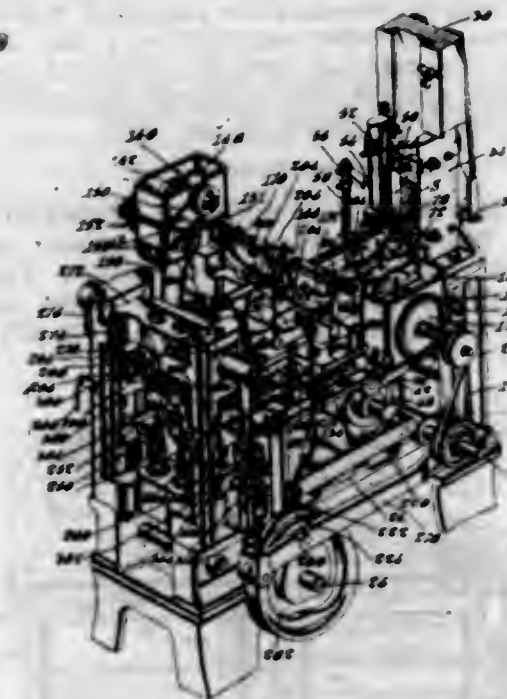
7. The combination with aeroplane swings, of apparatus to simulate the power plant of an aeroplane, comprising a casing and cylindrical members connected thereto, an electric motor in the casing having the shaft thereof extended through one end of the casing, and a propeller mounted on the extended motor shaft, an electric sparking plug mounted upon each cylinder having electrodes with the terminals in spaced relation and the plugs arranged for visual observation of the terminals of the electrodes; a source of electricity in circuit with said plugs including a make and break contact operative from the motor to successively close and open the circuit for the respective plugs for the purpose specified.

1,512,958. DRY-CELL BATTERY. WILLIAM MICOU TURNLEY, Toronto, Ontario, Canada. Filed Feb. 5, 1921. Serial No. 442,627. 1 Claim. (Cl. 136-38.)



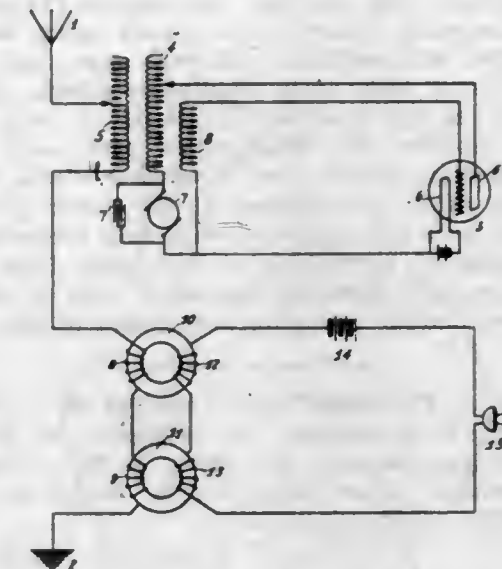
A battery, comprising, a group of dry cells having their electrodes permanently connected in series and the connections embedded in a fused insulating cover, one end cell having one terminal only extending through the insulation and the other end cell having both terminals extending through the insulation to enable access thereto for testing purposes.

1,512,959. SHANK-MAKING MACHINE. BRADFORD B. WATERMAN, Bridgewater, Mass., assignor to United Shank & Findings Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 12, 1921. Serial No. 500,164. 25 Claims. (Cl. 1-18.2.)



1. In a shank-making machine, in combination, co-operating driving and work-supporting members, and power-actuated means organized and operated to present stiffeners upon the work-supporting members in alignment with the driving member if there are fastenings properly associated with the stiffeners and upon the work-supporting members but out of alignment with the driving member if fastenings are not properly associated with the stiffeners.

1,512,960. RADIO SIGNALING SYSTEM. JULIUS WEINBERGER, New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Oct. 11, 1921. Serial No. 507,103. 9 Claims. (Cl. 250-6.)



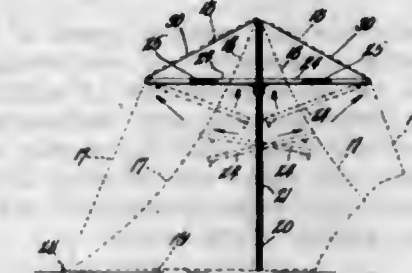
6. In radio signaling with a ferromagnetic modulator having a circuit comprising a high frequency winding connected in an antenna, and a magnetizing winding, the method which consists in producing variations in the magnetization of said modulator, generating high frequency currents in said circuit and causing said variation of magnetization to change the effective resistance of said winding to a large extent and to maintain the effective inductance of said winding substantially constant.

1,512,961. MANIFOLD. EDGAR H. WEIL, Cleveland, Ohio, assignor to The Vitreous Enameling Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Feb. 11, 1918, Serial No. 216,605. Divided and this application filed June 1, 1920. Serial No. 385,440. 7 Claims. (Cl. 123-52.)



1. A manifold for internal combustion engines and the like comprising an integral body of sheet metal having a relatively thin, substantially uniform coating of vitreous enamel upon its inner and outer surfaces whereby a relatively light, stiff, protected metal manifold is produced.

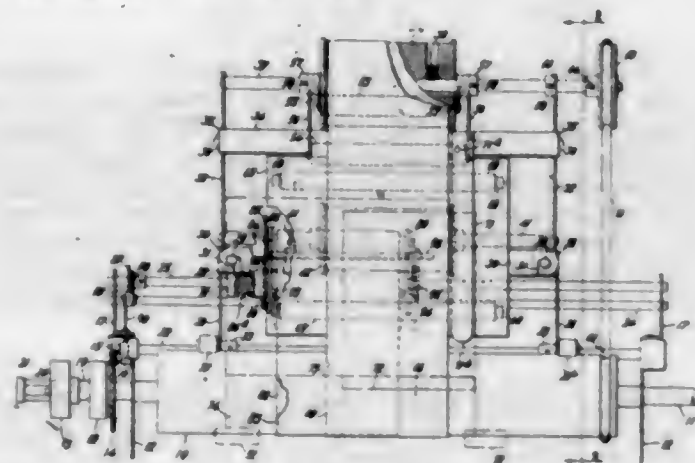
1,512,962. TENT STRUCTURE. RICHARD A. WHALL, Athol, Mass. Filed May 21, 1923. Serial No. 640,392. 3 Claims. (Cl. 135-2.)



1. A tent structure, comprising a flexible cover, including a body portion, having a plurality of side members joined to form angular corners, and a roof portion joined to the body portion and having a central apex; anchoring means at the lower ends of said corners; and supporting means composed of separable elements including a center post, formed to extend from a foundation to the apex of the roof portion, and provided

with a fixed upwardly facing multiple coupling member, surrounding the post below its upper end, flexible guys fixed to the upper end of the post and adapted to radiate and extend downwardly therefrom to support the said roof portion with its apex raised, and struts adapted to radiate from the post and engage the upper ends of said angular corners, said struts being engaged at their outer end portions with said guys; and provided at their inner ends with coupling members, adapted to separably engage and be supported by said multiple coupling member, the arrangement being such that the said supporting means may be erected within the cover after the latter is anchored at its corner portions, to erect the cover and cooperate with said anchoring means in confining the cover in a predetermined form, the said angular corners engaging the outer ends of the struts to prevent lateral swinging movements of the struts.

1,512,963. TYPEWRITING MACHINE. JOHN A. WHEAT, New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 7, 1922. Serial No. 573,316. 26 Claims. (Cl. 197-128.)



1. In a typewriter machine for typing upon a succession of folded individual form-sheets, a rotary platen, a carriage therefor, an endless carbon-belt passing around the platen and arranged to be driven thereby, a pulley on the carriage for holding the belt to the platen, and means for turning the platen to cause the belt to be fed downward around the same from the front thereof; the belt being held clear of the carriage mechanism above the platen to permit the same to be interleaved with the folded individual form-sheets, placed laterally thereover.

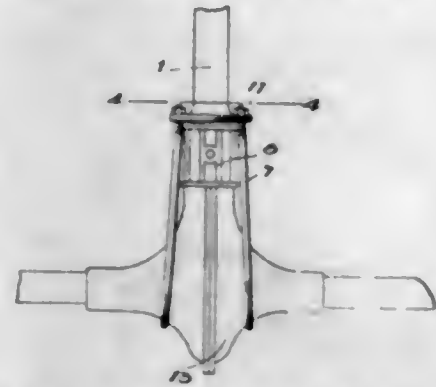
1,512,964. TEAPOT AND THE LIKE. AUBERON PENNY REES WILLIS, Leatherhead, England. Filed May 31, 1922. Serial No. 564,698. 1 Claim. (Cl. 53-3.)



An attachment for the pouring spout of a ceramic vessel, comprising a metallic cap conforming substantially in shape to the extreme end of said spout and adapted to be permanently secured thereon to form an integral part of the spout, said cap having an inclined wall lying within the spout and forming a pointed tip, said wall having a groove extending from the tip of the cap to the inner surface of the spout.

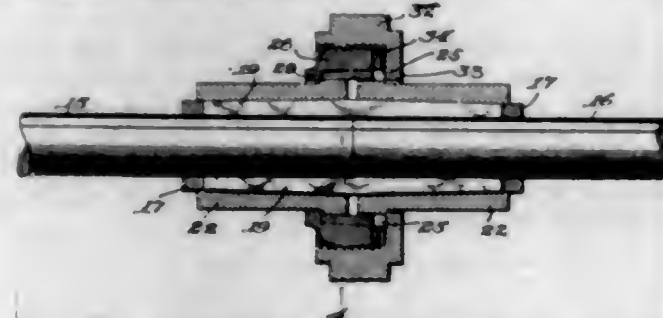
1,512,965. AUTOMOBILE REAR-HOUSING SUPPORT. THEODORE W. WILSON and DEE BARNETT HENDERSON, Eagle Lake, Tex. Filed June 8, 1922. Serial No. 566,909. 2 Claims. (Cl. 74-56.)

1. A device of the class described, comprising a clamp formed of a plurality of sections, each section provided with a plurality of notches upon its inner face adapted to fit over the securing nuts of the roller bearing housing of the drive shaft of an automobile, substantially U-shaped bolts adapted to straddle the differential housing of an automobile, the forward ends of the bolts being passed through the clamp, and nuts threaded upon



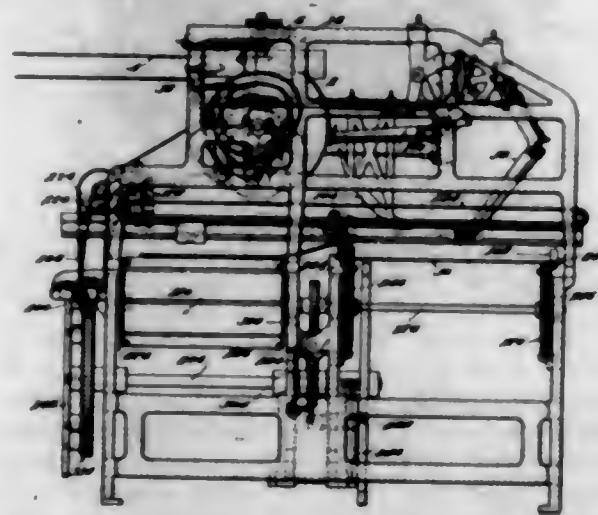
the forward ends of the bolts for firmly locking the clamp upon the roller bearing housing of the differential, and efficiently bracing the differential housing with respect to the drive shaft.

1,512,966. SHAFT COUPLING. GEORGE M. WINGARD, Oxford, Md. Filed May 6, 1922. Serial No. 558,849. 5 Claims. (Cl. 287-52.)



1. In a shaft-coupling the combination with means to circumferentially engage two shaft-ends, of two coupling-heads surrounding said means and each coupling-head being provided with a circumferential projection, a locking-collar engaging the projection on one of said heads, a locking-nut engaging the projection on the other of said heads said collar and nut being also provided with means to engage one with the other and means to lock the collar and the head it engages to prevent rotation of the one with respect to the other.

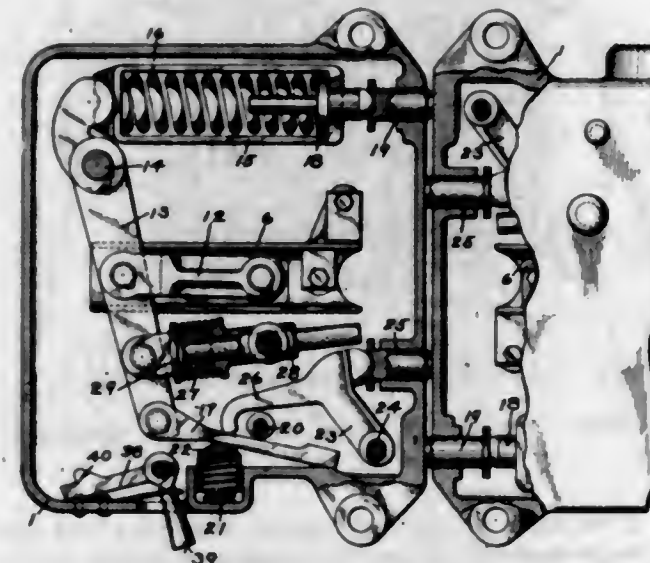
1,512,967. MACHINE FOR BOOKING SHEET-RUBBER STOCK. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 354,038. 41 Claims. (Cl. 271-82.)



1. In a machine for stacking sheets of unvulcanized rubber in plastic sticky condition with separator sheets interposed to prevent adhesion of the rubber sheets to each other, mechanism for moving sheets of rubber

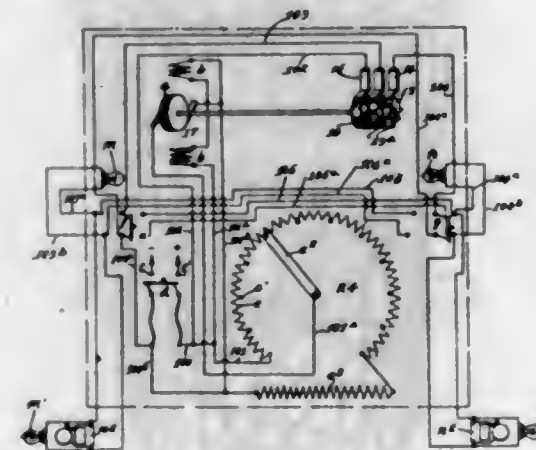
stock of the consistency described to stacking position and depositing them successively in side-by-side relationship to make layers in a stack, and mechanism for placing separator sheets between adjacent faces of the stock sheets.

1,512,968. AUTOMATIC ELECTRIC COUPLER. HARRY F. WOERNLEY, Wilkesburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 13, 1920. Serial No. 423,964. 6 Claims. (Cl. 173-338.)



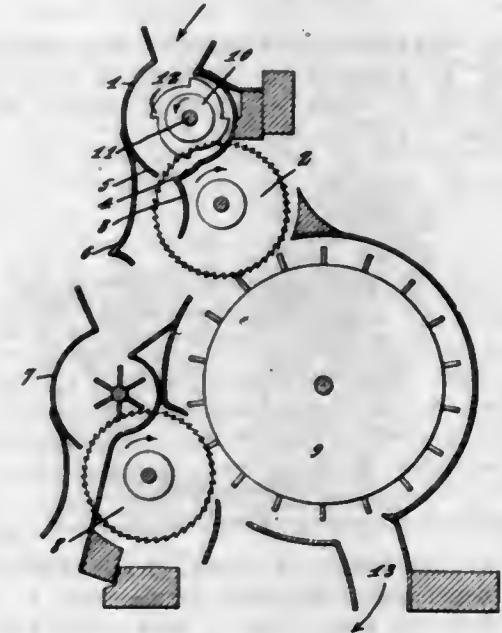
3. In an electric train wire coupling, the combination with a movable contact carrier, of a spring for projecting said carrier, a lever operatively connecting said spring with said carrier, a trip arm connected to said lever, a stop for said trip arm, and a tappet mechanically connected to said arm and projecting from the meeting face of the coupling, and operated by the coming together of the couplings for releasing said arm from the stop.

1,512,969. MEANS FOR CONTROLLING THE ACTIVITY OF WORK-PERFORMING CIRCUITS. FRANK W. WOOD, Montclair, and PAUL GRIERSON, South Orange, N. J. Filed Mar. 15, 1919. Serial No. 282,901. 2 Claims. (Cl. 171-97.)



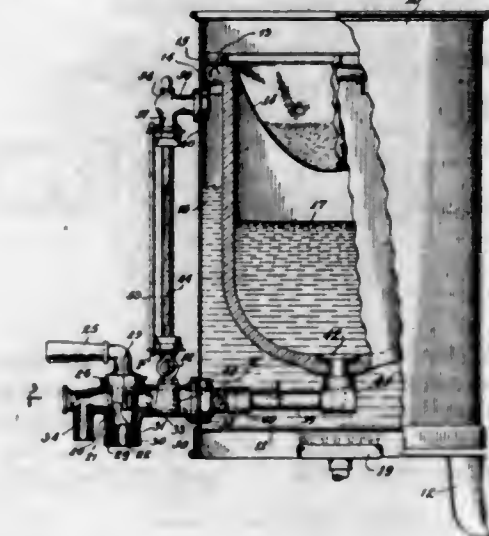
1. In apparatus for controlling the activity of electrical circuits, a pair of separate electrical circuits, separate means for making and breaking each circuit in a fixed cycle, means for driving said making and breaking means at a constant speed, and means for placing both making and breaking means in a single circuit so that the cycles of operation will be superposed in said circuit.

1,512,970. COTTON GIN. JOHN WOOLDRIDGE, Moody, Tex., assignor of one-fourth to Claude Miller, Waco, Tex., and one-fourth to Mark L. Carmany, Moody, Tex. Filed Apr. 11, 1922. Serial No. 551,665. 1 Claim. (Cl. 19-37.)



In a cotton gin, the combination with a roll box and saws, of an auxiliary set of saws having large teeth, operable between the saws first mentioned, and adapted to part and straighten out the fiber to prevent breakage of the staple.

1,512,971. COFFEE URN. JOHN G. ZOLLEIS, Newark, N. J. Filed Apr. 19, 1922. Serial No. 555,570. 11 Claims. (Cl. 225-21.)



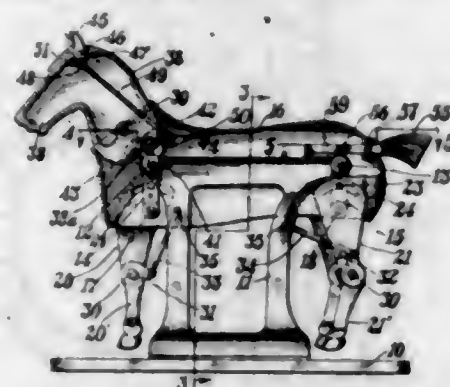
1. In combination, a plurality of receptacles, one suspended within the other, and means to selectively dispense from either receptacle, comprising a valve casing having a Y-shaped passage, the branches of the passage connected with the respective receptacles, and a valve at the junction of the branches with the body thereof, said valve having a discharge outlet, and means to connect in alternation one of the passages with said outlet and the other with the body of the casing, said body providing a second outlet.

6. In an urn, in combination, a faucet comprising a two-way valve, independent passages leading thereto and independent discharge passages leading therefrom and a plurality of liquid gauges therefor, one connected to each of said first mentioned passages.

9. In combination, a unitary fitting comprising a faucet and a gauge means, the said faucet including a valve member having a plurality of passages there-through, a valve casing including independent passages

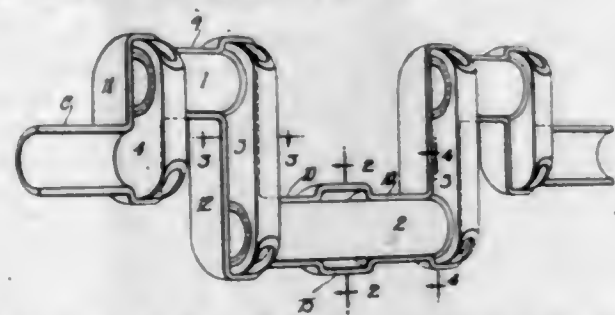
leading to the valve member, the said gauge means including a plurality of liquid gauges connected together, one gauge connected for communication to each of the said independent passages and means for attaching the said faucet and gauge means to a receptacle.

1,512,972. GALLOPING HORSE. BELA ZSARNAY, Newark, N. J., assignor of one-half to Abraham Lewis, Newark, N. J. Filed Oct. 2, 1922. Serial No. 591,715. 3 Claims. (Cl. 46—32.)



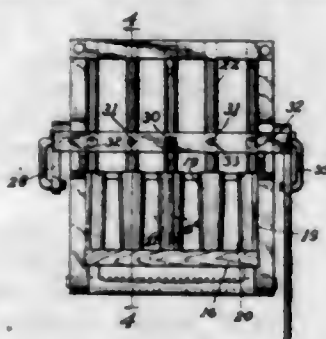
1. A toy comprising a frame, front and rear pairs of arms depending from said frame, and a horse suspended from the lower end of said arms and covering said frame, legs pivotally attached to said body co-incident with its points of suspension from said arms, and devices on said legs projecting through arcuate slots in the body to engage the said arms to cause the legs to swing in unison with the said arms.

1,512,973. CRANK SHAFT OR THE LIKE. IRVING T. BENNETT, Brooklyn, N. Y., and GEORGE H. PHELPS, Warehouse Point, Conn., assignors to Thomas E. Murray, Brooklyn, N. Y. Filed Feb. 28, 1924. Serial No. 695,625. 5 Claims. (Cl. 74—38.)



1. A crank shaft or the like comprising an outer shell and an inner reinforcement, each including bearing portions and crank portions, said shell and reinforcement each being made of parts welded together, the joints of the one being transverse to those of the other.

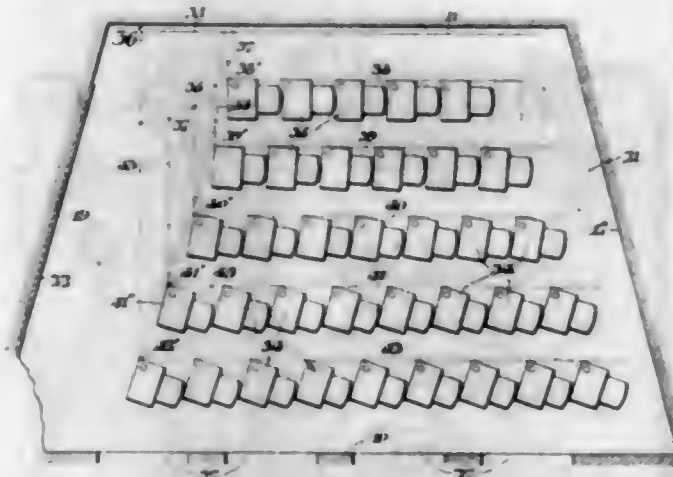
1,512,974. CEMENT-BLOCK MACHINE. HERMAN BESSER and JESSE H. BESSER, Alpena, Mich. Filed Aug. 4, 1923. Serial No. 635,648. 8 Claims. (Cl. 25—41.)



3. A cement block machine having a mold chamber and cores movable into and out of said chamber, said cores being hollow and having one closed end, said end having a vent aperture through the closure, a support-

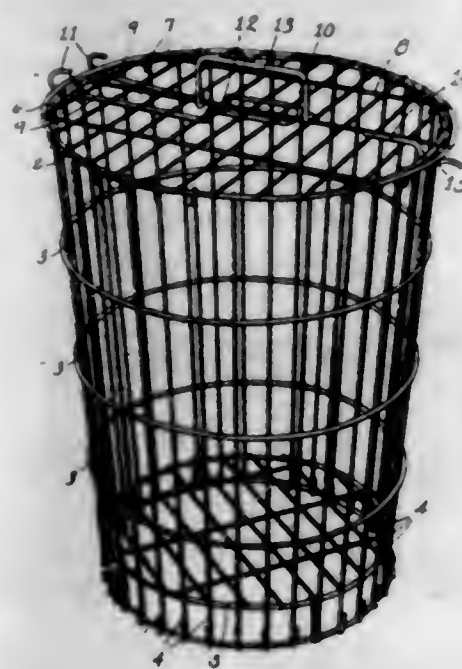
ing frame, slidable plungers guided in said frame and fixed at one end to the closed ends of the cores, a bell-crank lever pivoted on the side of said frame and means connected with one arm of said lever for actuating the several plungers and thereby the cores in a predetermined succession.

1,512,975. SCHOOL BUILDING AND METHOD OF SEATING. JOHN IRWIN BRIGHT, Villa Nova, Pa. Filed Apr. 21, 1922. Serial No. 553,837. 12 Claims. (Cl. 20—1.1.)



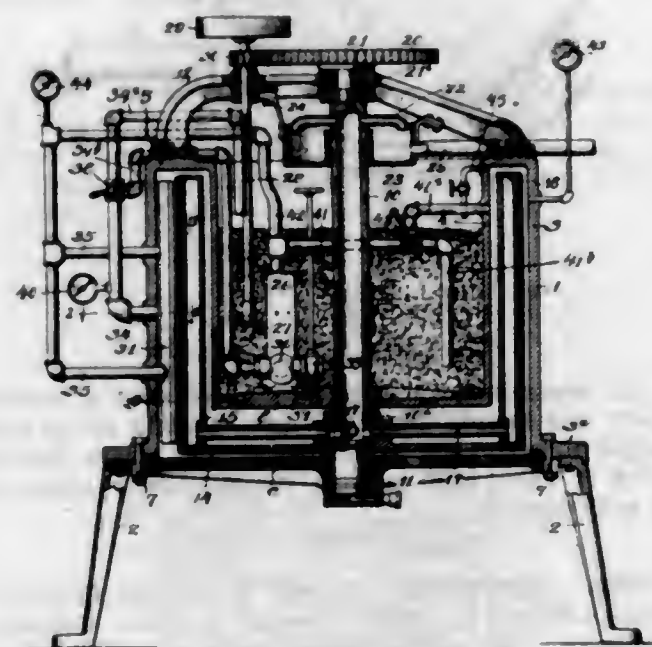
11. A building having a polygonal floor plan and partition walls defining trapezoidal configured rooms, one of said walls being adapted as a point of exhibition, a source of natural light remote therefrom, and seats arranged to face the point of exhibition, said seats adjacent the source of light being arranged at an acute angle thereto, and the angular disposition of the other seats increasing as their location recedes from the source of light.

1,512,976. RECEPTACLE. PAUL BURKHARDT, Albion, Mich., assignor to The Union Steel Products Company Ltd., Albion, Mich. Filed Jan. 11, 1924. Serial No. 685,584. 10 Claims. (Cl. 220—19.)



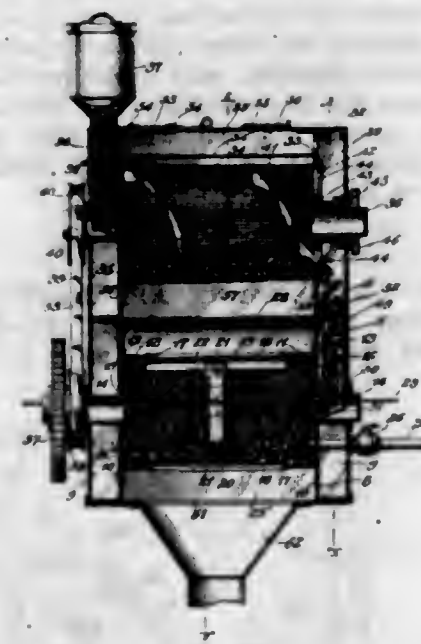
10. The combination with a receptacle provided with a top hoop, of a cover provided with a rim, and a cover support secured to the underside of said cover and slidably embracing said cover whereby the cover is supported for tilting and sliding adjustment and may be swung to open position at the side of the receptacle.

1,512,977. FILTRATION APPARATUS. OSCAR B. DEPUIS, Chicago, Ill. Filed Nov. 18, 1922. Serial No. 601,782. 19 Claims. (Cl. 210—199.)



1. In a filtering apparatus of the class described, the combination, of a filtering medium through which the liquid to be filtered is forced under pressure, means acting to remove the accumulation of solid matter from the surface of said medium and coating means for creating an area of reduced pressure adjacent the point of removal.

1,512,978. ROASTING APPARATUS. JAMES M. EDWARDS, New York, N. Y. Filed Oct. 21, 1920. Serial No. 418,378. Renewed Mar. 15, 1924. 9 Claims. (Cl. 34—5.)



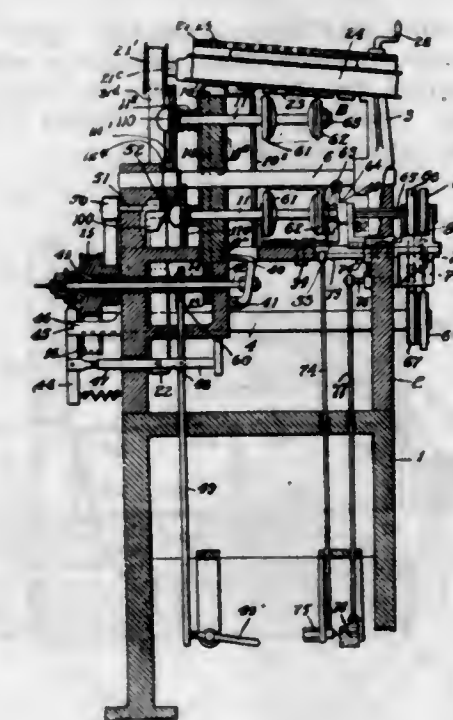
5. In a roasting apparatus, upper and lower housing sections, said lower housing section having vertical walls therein affording a roasting chamber, and additional chambers at the ends of the roasting chamber, a drum rotatably mounted in the roasting chamber and having

heads disposed in the plane of said vertical walls, a top wall for the roasting chamber having base flanges secured to the side walls of the housing and affording a chamber at each side of the roasting chamber, said vertical walls having openings therein affording communication between the end and side chambers, and said side chambers opening at their upper ends into the upper housing section, a foraminous preheating drum rotatably mounted in the upper housing section, and heating means within the roasting chamber, said roasting drum having foraminous head sections through which the ascending heated air may pass into the end chambers, and hence through said side chambers and upwardly through the preheating drum.

1,512,979. PROCESS FOR THE PRODUCTION OF A SUBSTANCE RESEMBLING EBONITE. HEINRICH FRERICHS, Hamburg, Germany. Filed Sept. 24, 1923. Serial No. 664,595. 6 Claims. (Cl. 106—38.)

1. The process for the production of an ebonite-like substance from blood, consisting in mixing the blood with a binding medium, hardening the mixture by formaldehyde, drying and grinding the product obtained, and mixing the powder with grease, waterglass, and caustic alkali, as set forth.

1,512,980. PAIL-TURNING MACHINE. ELI J. GAGNON, Exeter, N. H. Filed July 15, 1921. Serial No. 485,054. 9 Claims. (Cl. 144—47.)

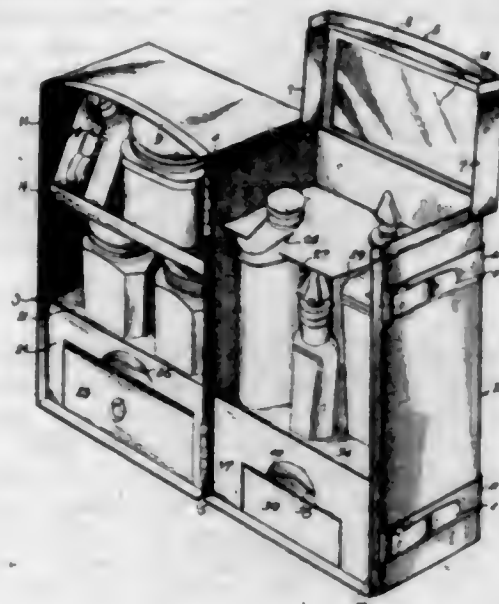


1. In a pail finishing machine, a rotatable head, a plurality of rotatable clamps for a stave assembly spaced about the same, a plurality of operating stations disposed adjacent the orbital path of the stave clamps and operatively disposed in the path of peripheral movement of the stave assembly when rotated, one of said stations comprising a hoop setter and a rotatable wrench axially movable relative to said clamp for releasing the stave clamp, means for rotating the head and means for locking the head at each stage of its movement and stopping said head rotating means.

1,512,981. VANITY CASE OR CONTAINER FOR COSMETIC ARTICLES, TOILET PREPARATIONS, ETC. MAX MARTIN GORDON, Chicago, Ill. Filed Nov. 12, 1923. Serial No. 674,215. 8 Claims. (Cl. 208—12.)

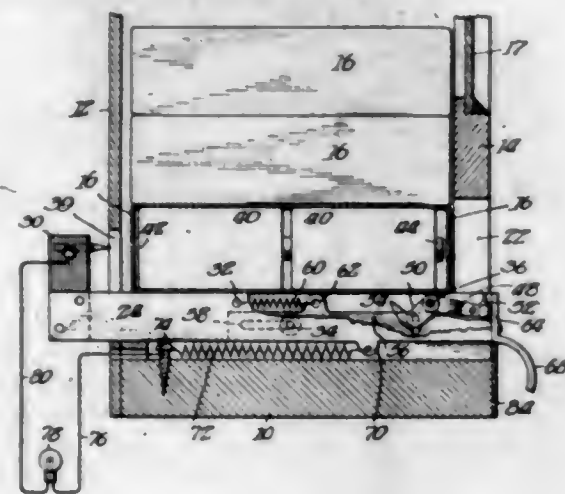
1. A container for toilet articles, comprising sections in hinged connection with each other in the manner of

the sections of a wardrobe trunk, shelves extending in planes at right angle to the pivotal axis of said sections



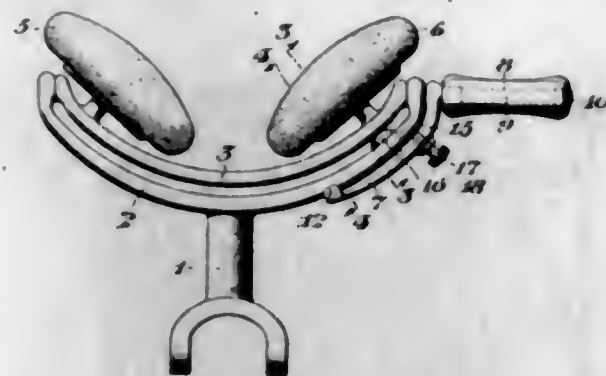
in each of said sections, and a block on one of said shelves provided with an opening in which a toilet article can be inserted.

1,512,982. DRY-BATTERY CARRIER AND TESTER. JOHN GRAVES, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Sept. 25, 1919. Serial No. 326,307. 17 Claims. (Cl. 175-183.)



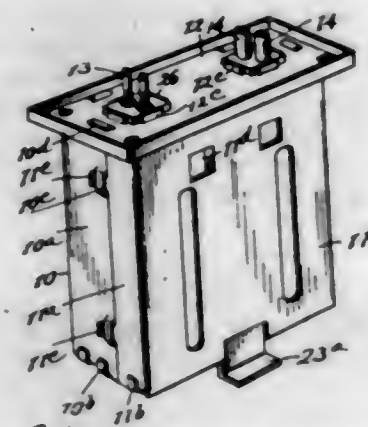
8. In mechanism of the class described, in combination with a case, a carrier slidable along the bottom thereof, to deliver packages contained therein to an opening in the side thereof, a block rising from the end of the carrier at the back of said cabinet adapted to engage the end of an object supported by the carrier to be removed from the cabinet, an insulated electric terminal on said block adapted to bear against an electric terminal on the object in the cabinet to be carried from the cabinet, means on the opposite end of the carrier normally out of contact with the object on the carrier in the cabinet but movable to a position where it is in contact therewith, mechanism for moving said carrier and for simultaneously moving said last mentioned member from non-contacting to contacting position, and means for establishing an electrical connection between the contact on the rear block of the carrier and the contact on the swinging contact member, and thence thru the article carried, for the purposes set forth.

1,512,983. ARMREST. GEORGE D. HECK, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 23, 1920. Serial No. 432,679. 7 Claims. (Cl. 155-198.)



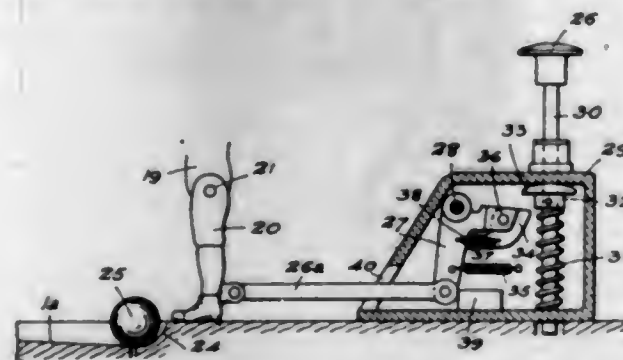
1. An arm-rest adapted to be engaged with a suitable support, and having a fulcrum intermediate of its ends arranged to rest upon said support, and means tending to rock it upon said fulcrum to frictionally engage it with said support.

1,512,984. RHEOSTAT. FOSTER F. HILLIX, Cleveland, Ohio, assignor to White Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 10, 1922. Serial No. 542,687. 13 Claims. (Cl. 219-48.)



1. In combination in a rheostat, a casing comprising a body member and a cover member, a switch unit received in the body member and comprising an insulating block bearing resistance material, said cover member adapted to be fitted onto the body member and provided with a terminal, and means through which said terminal is electrically connected to said switch unit when the cover member is fitted into place.

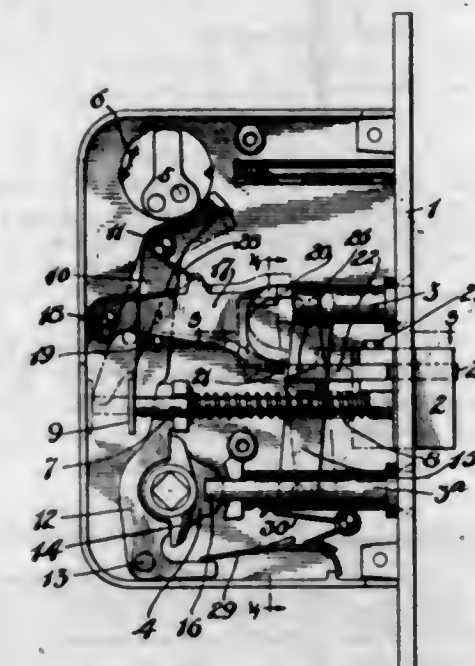
1,512,985. AMUSEMENT APPARATUS. ROBERT HOULDSWORTH, Southport, England. Filed Jan. 25, 1924. Serial No. 688,621. 4 Claims. (Cl. 46-57.)



1. An amusement apparatus comprising, a rotatable table, a goal or target in the center of the table, a fixed margin fitting closely around the periphery of the table, a channel in the fixed margin, a series of impeller de-

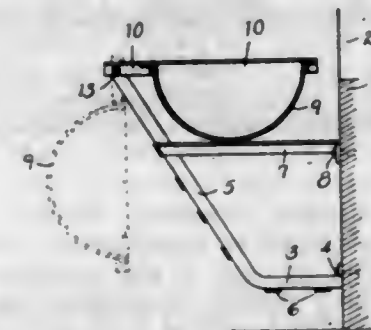
ices or figures disposed on the fixed margin, movable elements on the devices adapted to engage and project a ball from the channel towards the goal, and a ball adapted to be carried into the channel by the rotation of the table past the impeller devices or figures in such manner that it may be shot by the impeller action of the devices towards the goal.

1,512,986. DOOR LOCK. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 20, 1924. Serial No. 688,647. 3 Claims. (Cl. 70-29.)



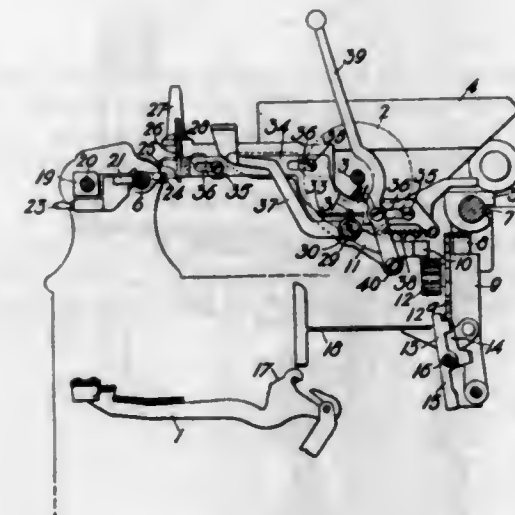
1. In a door lock, a spring latch bolt, a knob-controlled roll-back and a key-controlled roll-back, both operable from the outdoor side of said lock to retract said latch, a stop-work mechanism operable in one position to hold the said knob-controlled roll-back against movement, a dogging device to dog both the latch and the stop-work when the latter is in said roll-back holding position, a lever pivoted on the latch bolt, the inner end co-acting with said dogging device when in one position to block the repression of the latch, and co-acting with said dogging device when in another position to permit the latch to be repressed by strike plate engagement as the door is closing.

1,512,987. COMBINED FEEDING RACK AND TROUGH. CARL O. JORENBY, Greenwood, Wis. Filed July 3, 1923. Serial No. 649,247. 7 Claims. (Cl. 119-58.)



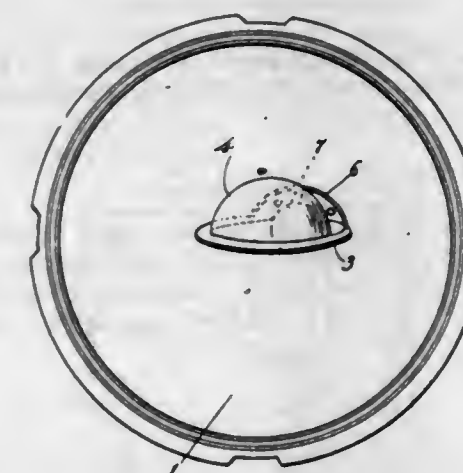
7. In a combined rack and feeding trough, the combination with a rack and a trough having a plurality of partitions providing compartments pivotally mounted at the rear edge of said rack so that it may be suspended in collapsed position at the side and below the top of the rack or swung to erected position within the rack.

1,512,988. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 20, 1919. Serial No. 331,856. 14 Claims. (Cl. 197-146.)



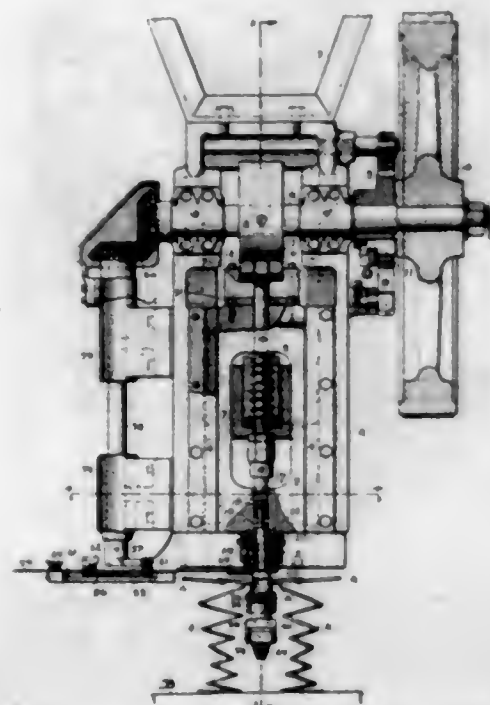
1. In a typewriting machine, in combination, a traveling carriage, an escapement mechanism thereof including a rack, arms connected with said rack and having hubs at their free ends, pivots on said carriage co-operating with said hubs and of sufficient length to enable movement of said carriage relatively to said rack, and means to shift said carriage, comprising a pin on one of said hubs and a slide on said carriage provided with a cam slot into which said pin projects.

1,512,989. AUTOMOBILE HEADLIGHT. JOHN H. LAIRD, Louisville, Ky. Filed Jan. 4, 1923. Serial No. 610,685. 7 Claims. (Cl. 240-48.6.)



1. In a lamp, a reflector of parabolic shape, and a device fixedly secured to the reflector so as to be located at its apex, and shaped to clear a light bulb, said device including a support and a spherical reflector having a con-focal relation with the parabolic reflector, and set in the reflector and proportioned so as to obstruct by its opacity, direct rays of light emanating from the bulb that would otherwise pass out through the upper half of the lamp, but otherwise to avoid obstruction of light emanating from said bulb, and also including another concave reflector located to the rear of the spherical reflector entirely above the horizontal axis of the reflector and interspaced from the spherical reflector, to prevent reflected rays from the parabolic reflector from striking the spherical reflector at an angle that would ultimately result in an upward emanation from the lamp, but intercepting no other rays.

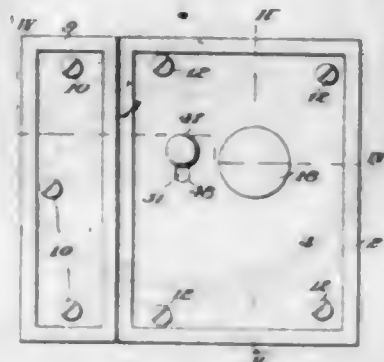
1,512,990. METHOD AND MEANS FOR FABRICATING SPRING STRUCTURES. WESLEY G. LEHMANN and JOHN REIN, Cleveland, Ohio, assignors to David T. Owen, Cleveland, Ohio. Filed July 30, 1923. Serial No. 654,554. 33 Claims. (Cl. 113-1.)



1. A method of fabricating a spring structure, consisting in clamping separate wires of the spring structure in spaced juxtaposition and in affixing a connecting element to the juxtaposed portions of said wires by the application of an indenting pressure to said connecting element.

7. A machine for forming a wire spring structure, comprising means for securing a clip to juxtaposed wires, including means adapted to interlock a marginal portion of the clip rigidly with one of the wires.

1,512,991. LOCK. MAX LEVINE, Brooklyn, N. Y. Filed Mar. 22, 1923. Serial No. 626,882. 3 Claims. (Cl. 70-75.)

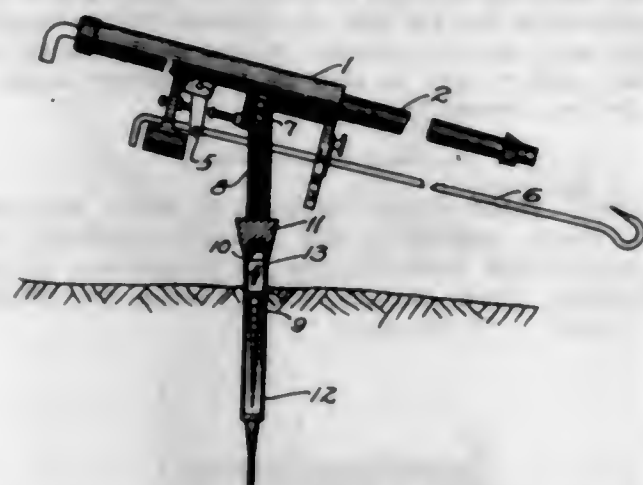


1. The combination with a bolt casing having fixed guide posts therein, of a bolt having slots for guiding the same on said posts, and blocks on said posts for spacing said bolt from the casing.

1,512,992. TRAP-GUN MOUNTING. CHARLES D. LOVE-LACE, Fort Worth, Tex. Original application filed July 29, 1922, Serial No. 578,360. Patent No. 1,497,758, dated June 17, 1924. Divided and this application filed May 12, 1924. Serial No. 712,876. 5 Claims. (Cl. 42-1.)

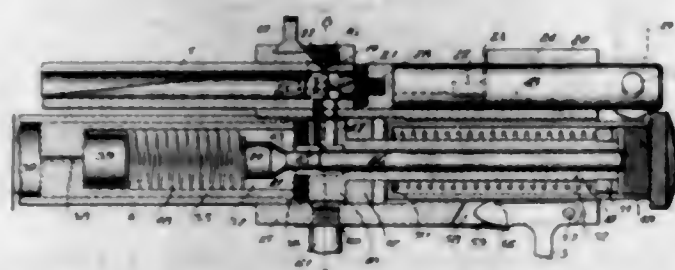
1. A trap gun mount comprising a member secured to the gun and terminating in a wood screw, and a stake having a recess adapted to slidably receive the screw forming portion of said member.

5. In a trap gun, a supporting member terminating in a screw, provided with a transverse opening, and a



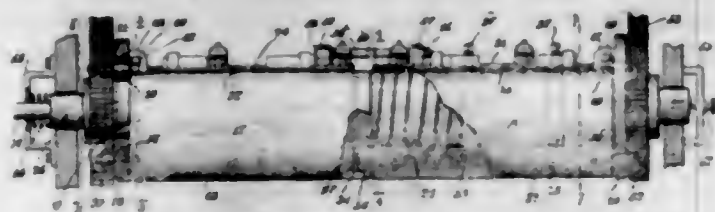
stake adapted at one end to receive said screw and adapted at the other end to enter the opening in said screw to serve as a lever to rotate the latter.

1,512,993. AIR GUN. WILLIAM A. MCLEAN, Rochester, N. Y., assignor of one-half to Bertram S. Fenner, Rochester, N. Y. Filed May 5, 1922. Serial No. 558,800. 6 Claims. (Cl. 124-8.)



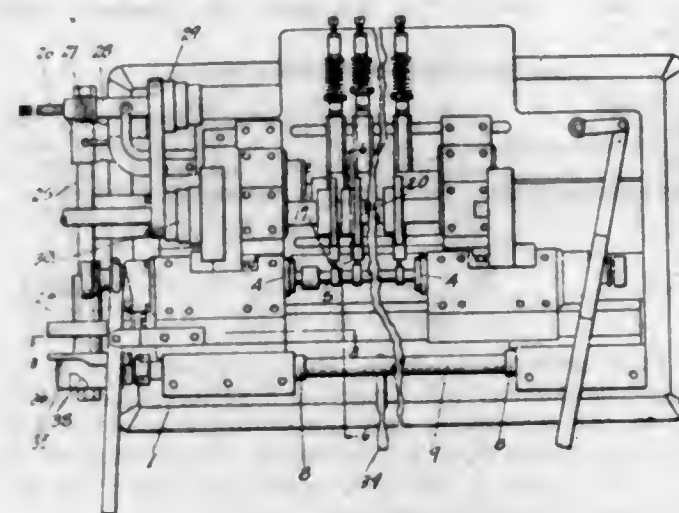
6. In an air gun, the combination with a breech block having a pump tube secured therein, of a detachable release valve casing secured in the breech block and a removable pressure chamber shell carried in the secured end of the pump tube, said parts being aligned and removable in the order named through the rear end of the breech block, the pressure chamber shell having an intake port and containing a check valve and spring controlling the same and removable through the rear end of the shell.

1,512,994. PRINTING MACHINE. FRANK C. MARQUARDT, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed Mar. 8, 1922. Serial No. 541,896. 18 Claims. (Cl. 101-248.)



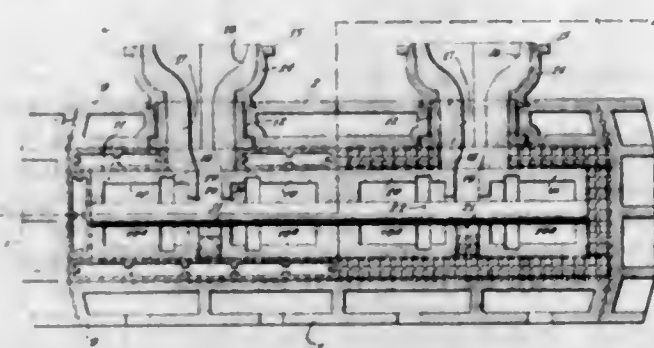
1. A printing machine embodying therein a plate cylinder having a plurality of independently movable sections, means carried by each of said sections whereby a plate may be secured thereto, co-operating members carried by and connecting adjacent sections to cause them to rotate in unison, one of said members including therein means whereby it may be actuated to impart to one of said sections circumferential movement in relation to the adjoining section to cause said section to be adjusted circumferentially of the axis of the cylinder entirely independently of another, and means whereby all of said sections may be simultaneously rotated.

1,512,995. LATHE. HERMAN W. MELLING, Jackson, Mich. Filed Feb. 27, 1923. Serial No. 621,502. 27 Claims. (Cl. 82-19.)



1. In a structure of the class described, the combination of a work carriage mounted for lateral adjustment for determining the depth of cut, springs urging said carriage yieldingly outward, a rockshaft having cams for laterally adjusting said carriage step by step and supporting it in its adjusted positions against the thrust of said springs, a double feed cam for said carriage, a feed return spring for said carriage, an actuating cam for said rockshaft, said feed cam and actuating cam being timed so that the actuating cam is actuated at the end of the first feed stroke of the carriage, a hand lever for adjusting said rock shaft, a tool carriage movable laterally of said work carriage, a tool carried by said tool carriage, a control cam for said tool carriage, means for retaining the position of the tool relative to the work as the work revolves, and driving means for said control cam, the work and said feed and adjusting cams.

1,512,996. ART OF CASTING. RICHARD MOLDENKE, Watchung, N. J. Filed Sept. 1, 1922. Serial No. 585,590. 36 Claims. (Cl. 22-126.)



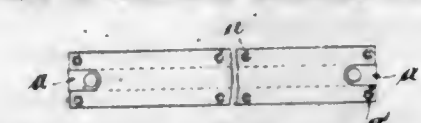
1. A casting mold embodying a container, an element of refractory material provided therein with a mold cavity, positioned within the container and of smaller size than the inner confines of the container, metallic filler blocks assembled within the container and filling out the space therein which is not occupied by the refractory mold cavity element, and means for forcing the filler blocks into tight rigid relation with said element.

1,512,997. LEADING-IN CONNECTER FOR AERIAL WIRES AND THE LIKE. CHARLES VERNON MORRIS, Davenport, Stockport, England. Filed Feb. 21, 1924. Serial No. 694,349. 1 Claim. (Cl. 175-30.)

An electrical conductor comprising in combination, a thin flat insulated strip of copper, the insulation being slightly shorter than the copper strip, a terminal connector for each end of the strip, the connector at one end comprising a small block of insulating material, a

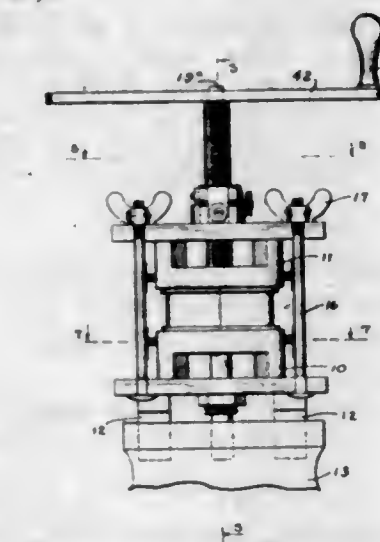
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small bolt passing through the block and a nut on the bolt, the connector at the other end of the copper strip comprising an elongated block of insulating material, a screwed spindle in said block extending beyond one end



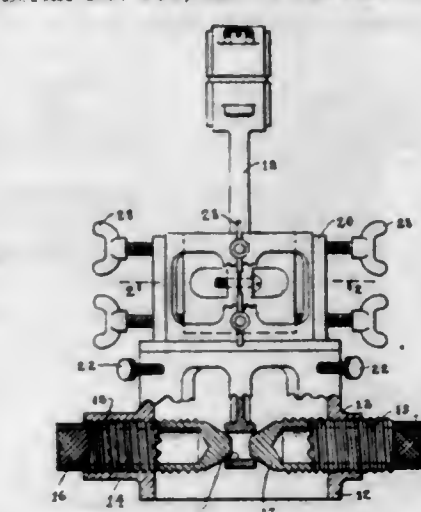
of the block, means on said screw for clamping the copper strip thereto, and "earthing" means adjacent the other end of said spindle but leaving a "gap" between, and means for fixing the blocks to rigid supports, as set forth.

1,512,998. APPARATUS FOR REAMING ENGINE BEARINGS. KARL O. MUEHLBERG, Manitowoc, Wis. Filed May 6, 1921. Serial No. 467,428. 4 Claims. (Cl. 77-2.)



1. A device of the class described comprising a pair of spaced holding members provided with centrally located bearing openings; means for clamping an engine bearing between said holding members; a shaft provided with a threaded portion, rotatably mounted in said bearing openings; a cutting tool carried by said shaft; a split nut pivotally carried by one of said holding members, adapted to engage and disengage the threaded portion of said shaft; and a U-shaped member pivotally carried by said holding member for positively holding said nut in its engaged position.

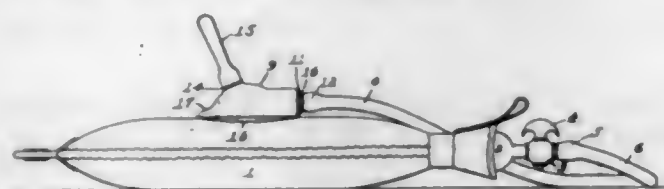
1,512,999. APPARATUS FOR REAMING BEARINGS IN CONNECTING RODS, PISTONS, AND THE LIKE. KARL O. MUEHLBERG, Manitowoc, Wis. Filed Feb. 4, 1922. Serial No. 534,116. 7 Claims. (Cl. 77-62.)



1. Apparatus of the class described comprising a hollow holding member having a transversely disposed aperture, adapted to receive and hold an engine piston with its bearings in axial alignment with said aperture, a holding member superposed on said first mentioned member, means to secure said members together, means to secure

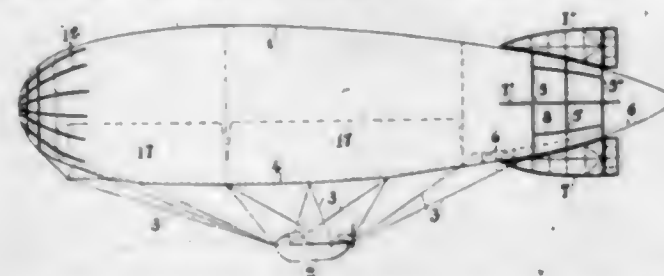
a connecting rod or the like in said second holding member with the bearing thereof in alignment with said aperture, and a resurfacing tool adapted to be inserted through said aperture and into and through said bearings, for the purpose specified.

1,513,000. INTERNAL BATH. WILLIAM J. NACE, Los Angeles, Calif. Filed June 20, 1922. Serial No. 369,580. 4 Claims. (Cl. 128-226.)



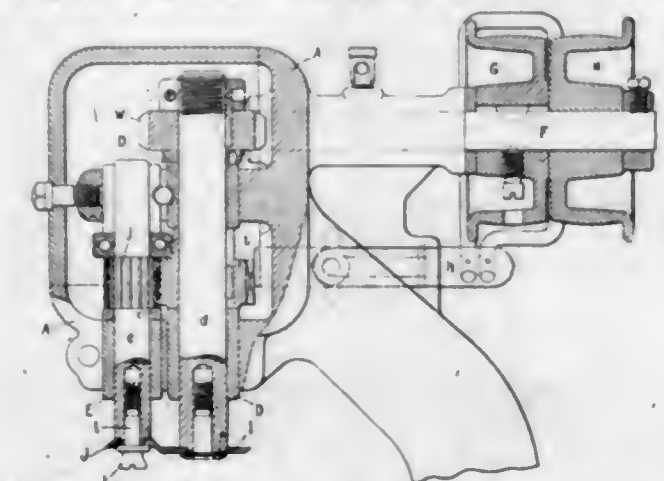
1. In internal bath apparatus a perforate stopper adapted for making a water tight connection with a fluid container, said stopper being provided in its body portion with an integral flattened thumb hold; an integral valve for regulating the flow of fluid there-through; and a discharge end adapted for insertion into a flexible tube.

1,513,001. AIRSHIP OF THE SEMIRIGID TYPE. UMBERTO NOBILE, Rome, Italy. Filed Sept. 2, 1922. Serial No. 585,925. 8 Claims. (Cl. 244-3.)



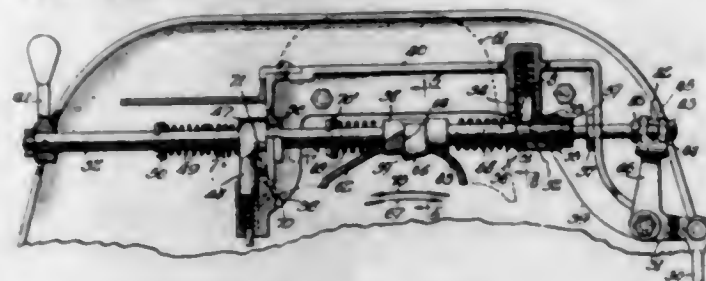
1. In a semirigid airship of the character set forth including an inflatable bag and a longitudinal bottom girder therein, a cruciform system of wings, each composed of fixed keel elements and of controllably movable rudder elements, and a rigid subdivided cage structure of substantially the longitudinal extent of said wing system outwardly non-rigidly mounted on the stern portion of said inflatable bag.

1,513,002. MACHINE FOR OPERATING ON LASTED BOOTS AND SHOES. ALFRED MATTHIAS PICKEN, Rushden, England. Filed July 16, 1920. Serial No. 396,639. 9 Claims. (Cl. 12-83.5.)



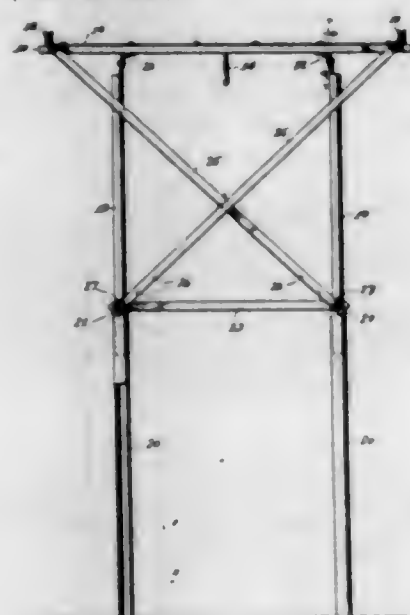
1. In a machine for operating on lasted boots and shoes to prepare them for the welt-sewing operation, the combination with rotary cutters for trimming the edge of the upper, of means carried by one of the cutters for simultaneously opening the channel on the sole of the shoe.

1,513,003. WASHING MACHINE. HENRY PIETSCH, Chicago, Ill., assignor to American Washing Machine Company, Chicago, Ill., a Corporation. Filed Mar. 11, 1922. Serial No. 542,912. 17 Claims. (Cl. 259-75.)



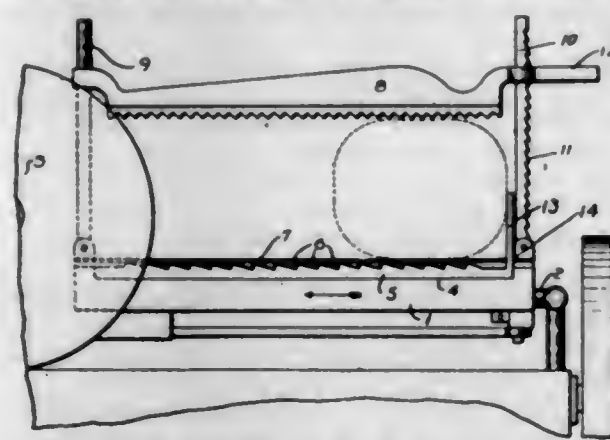
1. In a washing machine, the combination of a receptacle, mechanism for imparting a reciprocatory movement to the receptacle, and controlling means for said mechanism comprising a cushioning device adapted to coact with a part on the receptacle for stopping the latter at a predetermined position.

1,513,004. SAW CLAMP. JOHN K. POND, Laurinburg, N. C. Filed Nov. 14, 1923. Serial No. 674,696. 2 Claims. (Cl. 76-78.)



1. In a folding saw clamp, a saw-clamping means embodying a jaw-bar, a pair of legs hinged to said bar in such manner as to swing toward each other when folded and each consisting of two telescopic sections and a set-screw for locking them in extended position, a brace-bar detachably connecting the set-screws, and a pair of crossed brace-bars hingedly connecting the jaw-bar to the respective set-screws and detachably connected to the latter, for the purpose set forth.

1,513,005. MEAT-SLICING MACHINE. JAMES JOSEPH QUINN, Mimico, Ontario, Canada. Filed Aug. 23, 1924. Serial No. 733,799. 2 Claims. (Cl. 146-102.)



1. In a meat slicing machine, in combination a circular knife, slidable table and meat engaging plate thereon, of an upwardly extending flange at the end of the plate

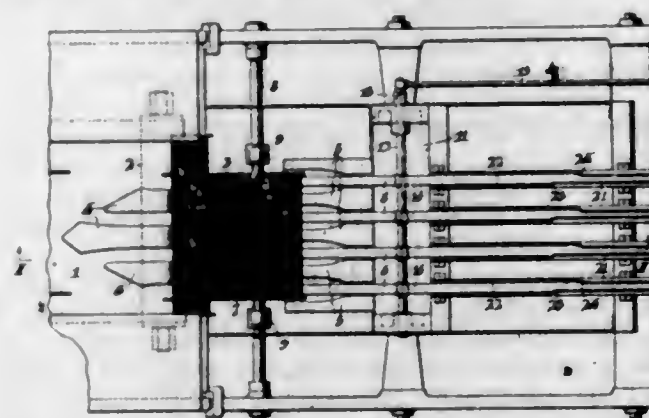
remote from the knife, a slidable carriage adapted to slide over the plate on the table, and means on the carriage for permitting it to slide forwardly on the table so as to underlie the flange.

1,513,006. SHADE HOLDER. JOSEPH W. REDDING, New Haven, Conn. Filed May 6, 1922. Serial No. 359,086. 3 Claims. (Cl. 240-129.)



1. A shade holder of the character described formed of a single dish-shaped member having imperforate side walls and a lower edge of a greater diameter than that of the edge of the shade to be held thereby, said walls having indentations spaced above said edge and a series of channel forming beads spaced around said holder.

1,513,007. SORTING MECHANISM FOR CONFECTION-WRAPPING MACHINES. JOSEPH PERCY REMINGTON, Philadelphia, Pa. Original application filed May 3, 1917, Serial No. 166,134. Divided and this application filed Aug. 9, 1923. Serial No. 656,508. 8 Claims. (Cl. 198-30.)

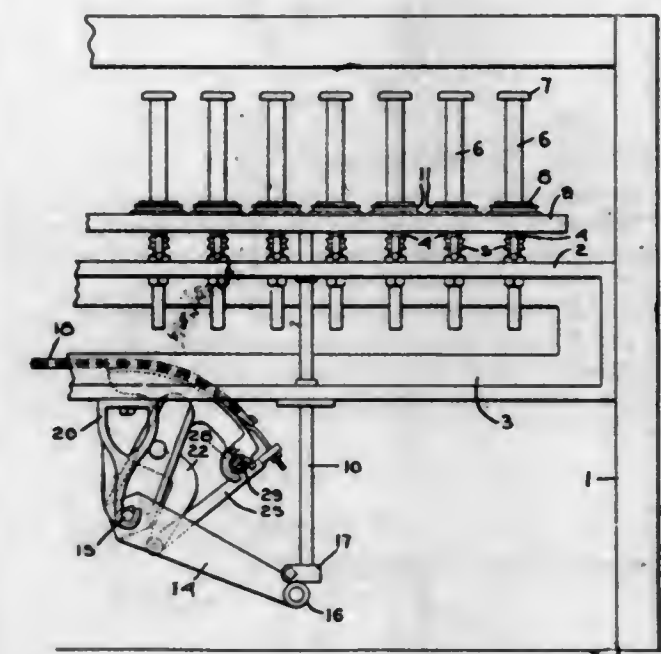


1. In a machine of the class described, a carrier band for conveying confections to a point where they are to be wrapped, means for placing confections upon the band, and means whereby the carrier band is intermittently inclined from the horizontal so that confections which have reached said band resting upon their sides are caused to fall therefrom.

1,513,008. SPINNING OR TWISTING FRAME. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 7, 1924. Serial No. 704,557. 4 Claims. (Cl. 242-43.3.)

1. A ring spinning or twisting frame comprising a plurality of vertical rotated spindles, yarn carriers having bases of greater diameter than their barrels mounted on the spindles, a vertical reciprocable ring rail supporting rings concentric with the spindles, travellers on the rings, a traverse motion mechanism for effecting the reciprocation of the ring rail, and means for adjust-

ing the traverse motion mechanism to allow the ring rail to stand at the lower limit of its traverse with the eyes of the travellers below the level of the top of the



yarn carrier bases whereby in starting the yarn may be led from the travellers into engagement with the bases before being wound on the barrels, thus to minimize the starting strain upon the yarn.

1,513,009. FOLD CONFINER FOR BED CLOTHING. MALCOLM E. ROSS, Salem, Mass. Filed Apr. 19, 1924. Serial No. 707,564. 2 Claims. (Cl. 24-262.)

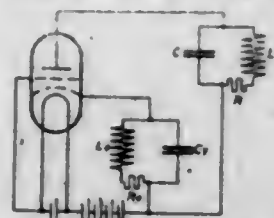


1. Back fold confining means for bed clothing, embodied in a plurality of independent clasps adapted to collectively confine the head ends of a plurality of layers of bed clothing and a back fold at the head end of a sheet constituting one of said layers, each clasp comprising a sheet metal strip including an inner and an outer arm and a resilient neck connecting the arms, so that the arms have free ends pressed toward each other by the neck; and frictional padding secured to the strip and adapted to contact with bed clothing portions interposed between the free ends of the arms, the arrangement being such that the head end portion of the sheet may be folded outward over the necks, backward over the outer arms, downward across the free ends of the outer arms, and forward between the arms to form a concealed terminal portion which is gripped between the free ends and is prevented from slipping by said padding, the spaces between the arms being adapted to receive the head ends of other layers of the bed clothing.

1,513,010. ARRANGEMENT FOR PRODUCING ELECTRICAL OSCILLATIONS. HANS RUKOP, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed May 3, 1922. Serial No. 558,298. 8 Claims. (Cl. 250-36.)

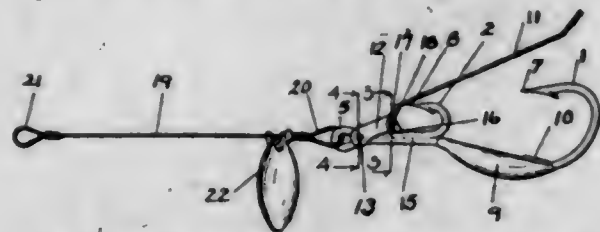
1. An arrangement for producing electrical oscillations comprising a vacuum discharge tube with a cathode, a space charging positive electrode, a grid, and an anode

arranged in the tube in the order named; circuits connecting the space charging electrode and the anode with the cathode; and means for exciting the oscillation-producing arrangement by the negative characteristic caused by the influence of the positive electrode on the average potential of the grid and hence on the anode current.



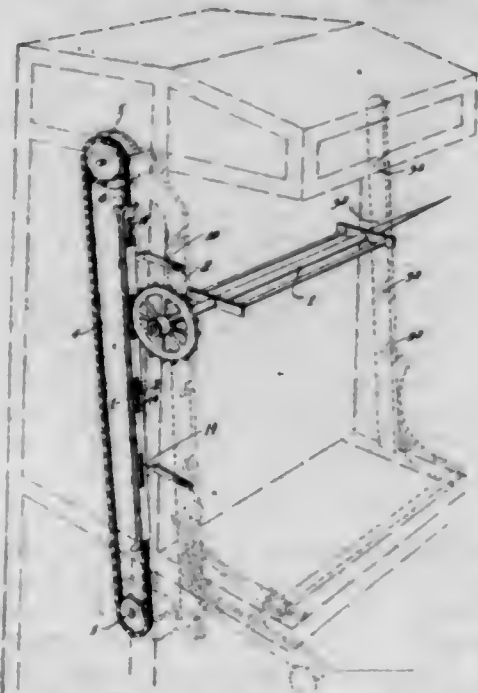
ducing arrangement by the negative characteristic caused by the influence of the positive electrode on the average potential of the grid and hence on the anode current.

1,513,011. WEEDLESS FISHHOOK. SAMUEL G. RUSSELL and TILDEN ROBB, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich. Filed Sept. 14, 1922. Serial No. 588,149. 6 Claims. (Cl. 43-38.)



1. In a weedless hook, the combination of a main hook and an auxiliary bait attaching hook each provided with straight superposed shanks joined by a loop at their front ends providing a draft eye, the main hook having a downwardly curved body portion at the rear of the auxiliary hook, an elongated weight molded upon said body hook and extending rearwardly from a point adjacent the auxiliary hook to the bottom of the curve, there being a bait attaching cross piece at the rear end of the weight attached to the hook thereby, a guard comprising a bifurcated coupling member pivoted to the shanks adjacent the said eye to embrace and normally rest upon the shanks, there being a pivot hole for the coupling member pivot formed between said shanks, and a pair of rearwardly diverging arms mounted at the rear end of said coupling member to extend upwardly and rearwardly therefrom, said arms having abrupt downward offsets at their front ends, so that the point of the auxiliary hook lies within the plane of the arms.

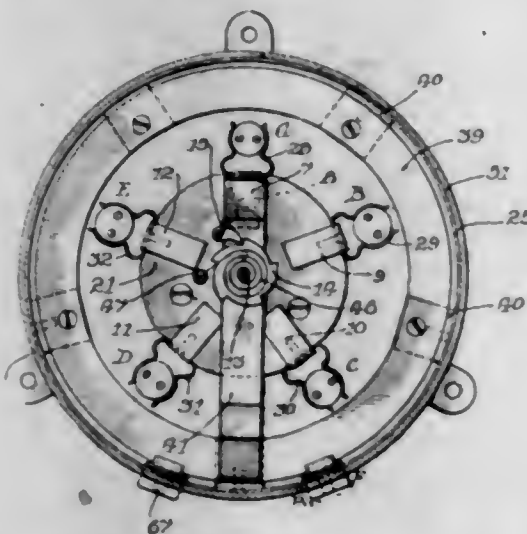
1,513,012. CHAIN RACE FOR ROTISSERIE DRIVE CHAINS. MAX SCHUY, Brooklyn, N. Y. Filed Feb. 28, 1924. Serial No. 695,656. 6 Claims. (Cl. 74-51.)



1. A chain race for rotisserie drive chains embodying a channelled member interiorly and longitudinally of which the chain is adapted to travel and which channelled mem-

ber constitutes a back stop for the chain, and means associated with the channelled member and extending over the front of the chain to maintain the chain in the channelled member and guide a split sprocket into proper co-operative relation with the chain.

1,513,013. MEANS FOR MEASURING APPROXIMATE MAXIMUM DEMANDS. EDMUND O. SCHWEITZER, Chicago, Ill. Filed Dec. 6, 1918. Serial No. 265,488. 4 Claims. (Cl. 200-125.)

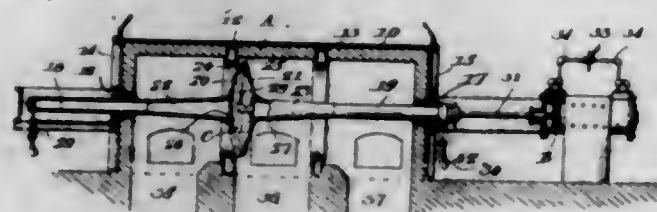


1. In combination, a pair of discs of insulation, means for supporting said discs in spaced relation with respect to each other, an enclosing casing, means for supporting said discs from one wall of the casing, a plurality of contacts arranged in a circular group on the other disc, a circular common contact, a switch arm mounted concentrically of the common annular contact and of said group of contacts, fuses mounted peripherally about said discs and connected to said contacts, a block of insulating material secured to said switch, a shaft guiding the block of insulating material, an operating shaft for the switch arm coupled to said block, a cover for the casing, said operating shaft extending to said cover, manual means outside of the casing for operating said shaft.

1,513,014. RECOVERY OF NITRATE FROM CALICHE. ELIAS ANTHON CAPPELEN SMITH, New York, N. Y., assignor to Guggenheim Brothers, a Copartnership, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,324. 9 Claims. (Cl. 23-13.)

1. The method of recovering sodium nitrate from caliche which comprises leaching the caliche at atmospheric or tepid temperatures with mother liquor and thereby obtaining a saturated or approximately saturated solution, cooling the solution by refrigeration, regulating the rate and temperature of cooling to avoid any substantial precipitation of sulfate with the nitrate, and returning the mother liquor to the leaching step of the process.

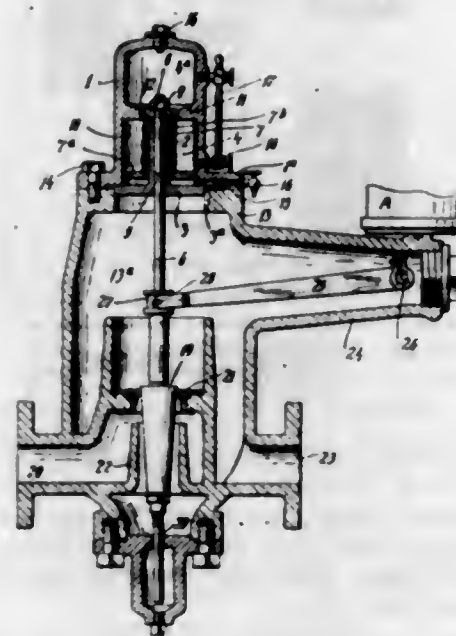
1,513,015. GAS OR AIR REVERSING VALVE. CARL STENBOL, Sault Ste. Marie, Ontario, Canada. Filed Aug. 16, 1920. Serial No. 403,972. 5 Claims. (Cl. 137-151.)



1. A gas or air reversing valve comprising in combination, a casing, hollow annular valve seats in the casing, flues communicating with the casing, an operating valve comprising a hollow annular valve head, hollow stems formed integral with the valve head, inlet and outlet orifices provided between the valve head and stems, a

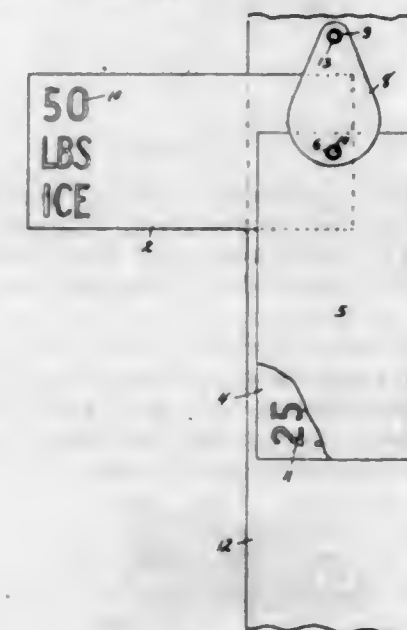
radially extending pipe in the outlet orifice providing complete circulation of the cooling fluid, means to move the valve longitudinally, whereby one pair of flues are put into communication in one position of the valve, while another pair of flues will be put in communication in another position of the valve.

1,513,016. DASHPOT. GAMALIEL C. ST. JOHN, Greenwich, Conn. Filed Jan. 19, 1924. Serial No. 687,233. 6 Claims. (Cl. 188-96.)



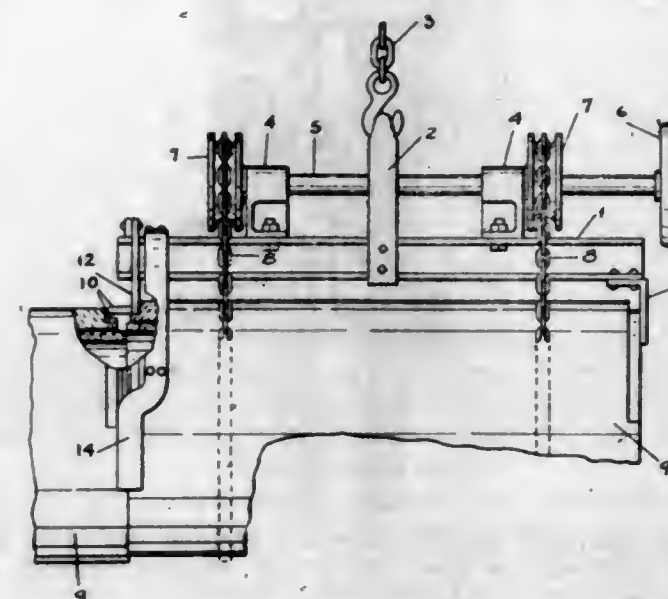
1. A dash-pot comprising a shell having a plurality of chambers, a partition provided with an opening between said chambers, and a movable member in one of said chambers and operative to force fluid against said partition, said shell and member being spaced to permit fluid to flow between said shell and member.

1,513,017. SIGNAL. DONALD W. THORNBURGH, Huntington, Ind. Filed Mar. 7, 1923. Serial No. 623,342. 3 Claims. (Cl. 40-67.)



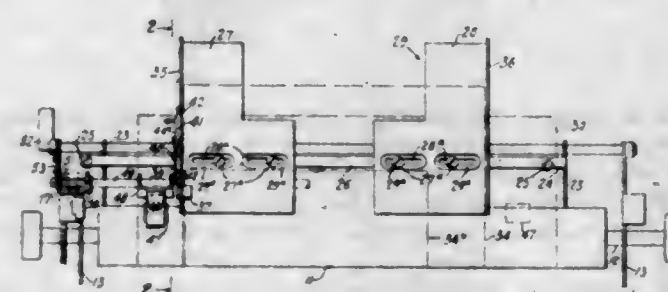
2. In a device of the class described, a group of placards and a supporting means pivotally connected with the placards, said supporting means consisting of two plates having close contact with each other at their upper ends and between which the placards are secured at the lower ends of said plates, said plates being adapted to engage and frictionally hold the placards when moved into position for display.

1,513,018. APPARATUS FOR LAYING CONDUITS. DAVID D. TRACY, Jackson, Mich. Filed July 24, 1922. Serial No. 577,256. 10 Claims. (Cl. 29-84.)



1. In an apparatus of the class described, the combination with a supporting bar having a centrally disposed upwardly projecting suspending arm and downwardly positioning projecting arms adapted to engage the ends of a section of conduit and a pair of downwardly projecting arms at one end adapted to engage the sides of a section of conduit, the lower portions of said arms being offset to engage the sides of an adjacent section to facilitate aligning the sections, a shaft journaled on said bar and provided with pulleys, and slings on said pulleys whereby the suspended section may be rotated in positioning the same.

1,513,019. TYPEWRITING MACHINE. HARRY H. VICKERS, Corona, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 23, 1921. Serial No. 494,612. Renewed Aug. 22, 1922. Serial No. 583,584. 21 Claims. (Cl. 197-127.)

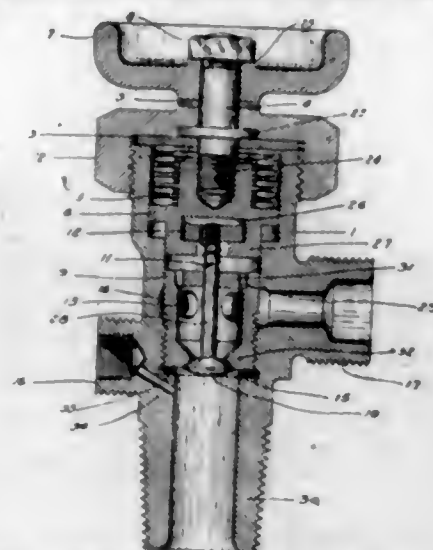


1. A collating device comprising in combination, a sheet-supporting member, a side-edge gage projecting therefrom, a lever extending along the outer side of the gage and pivotally supported thereon, and a clamping device including a flat finger substantially parallel to said member and extending from the lower edge of the lever at its front end through an opening provided therefor in the gage.

1,513,020. GAS CYLINDER VALVE. CLARENCE F. ADAMS, Dayton, Ohio. Filed Oct. 26, 1922. Serial No. 597,047. 6 Claims. (Cl. 251-2.)

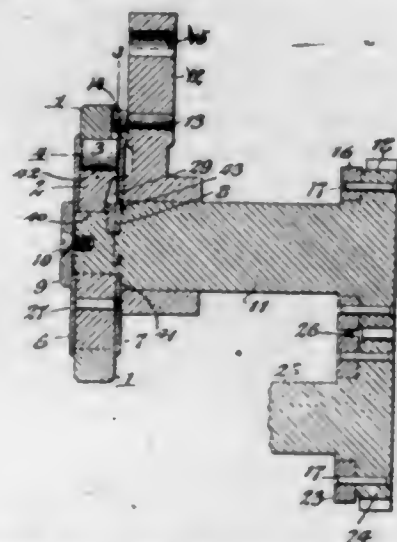
1. In combination, in a valve casing, an inlet port and an outlet port, and a member providing a valve seat therebetween, a valve adapted to seat in said valve seat, a valve control means mounted in and movable longitudinally of said valve casing, resilient and non-rotating means loosely securing said valve control means, manually

operable means for moving said valve control means longitudinally of said valve casing to positively open, close or place in a position intermediate of said closing position



and said open position in which position the valve will be automatically operated by the relative pressure on the inlet and outlet sides of the valve.

1,513,021. RATCHET MECHANISM. HOWARD G. ALLEN, Niagara Falls, N. Y., assignor to The J. L. Morrison Company, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed Jan. 13, 1923. Serial No. 612,511. 5 Claims. (Cl. 74-53.)

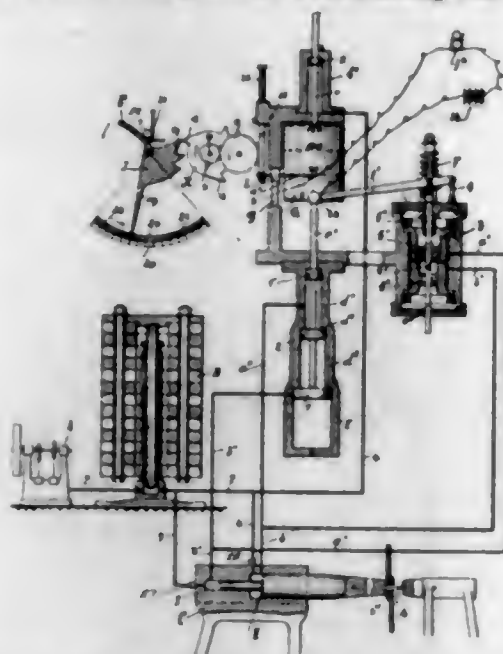


1. A ratchet mechanism comprising a shaft, having a reduced end forming a shoulder, a spider arranged on the reduced part of said shaft and provided in its bore with a notch and in its periphery with a plurality of recesses, each of which has its bottom forming an inner wall which is inclined to a radial line from the axis of said spider, a ring surrounding the periphery of said spider and closing the outer sides of said recesses so as to form therewith pockets each of which has its inner and outer wall converging circumferentially, a plurality of rolling members, one arranged in each of said pockets, front and rear plates mounted on the reduced part of said shaft on opposite sides of said spider, said rear plate being provided with a notch in its inner edge, and a key arranged on said shaft and engaging the notches of said spider and rear plate.

1,513,022. INDICATOR AND RECORDER FOR HIGH PRESSURE. ARTHUR BAHNMAYER, Mannheim, Germany. Filed Feb. 28, 1923. Serial No. 621,939. 7 Claims. (Cl. 234-20.)

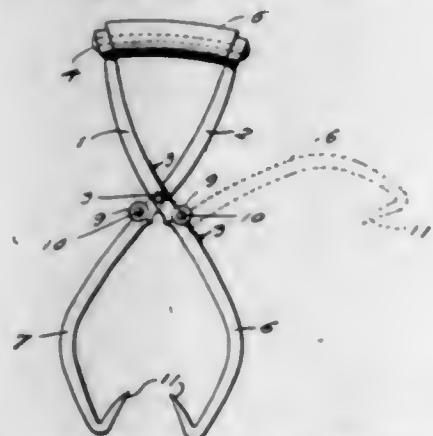
1. An arrangement for recording and measuring high pressures, in riveting, pressing, and drawing works, comprising in combination differential pistons operated by the working-fluid, differential-cylinders receiving the said differential pistons, a piston rod carrying the said differ-

ential pistons, a writing-lever operated by the said piston rod, an indicator spring preferably of the usual structure, influencing the writing-lever, a writing-drum adapted to be moved in axial direction and cooperating with the said writing lever, an adjusting rod and adjust-



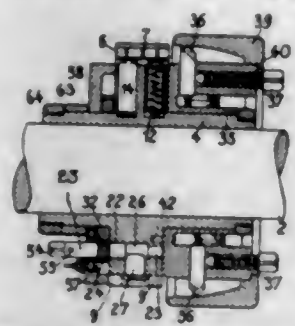
ing pistons thereon of different diameters for carrying the said drum, governing cylinders, receiving the said adjusting pistons and fluid conducting tubes for bringing into communication the differential-cylinders and the governing-cylinders with the working-machine substantially as described.

1,513,023. HAND GRAB. VIRGIL M. BARTLETT, Silver Point, Tenn. Filed May 23, 1924. Serial No. 715,334. 2 Claims. (Cl. 294-106.)



1. A hand grab comprising a pair of crossed arms secured together at their intersection, a handle supported at the outer end of said arms, and grab hooks pivotally connected to the inner ends of said arms adjacent said intersection.

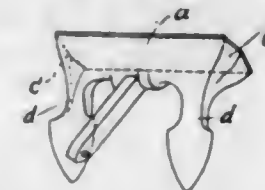
1,513,024. REAMER HEAD. EMIL LEONHARD BAUMANN, Munch-Gladbach, and HERMANN SCHMACHER, Neuss, Germany. Filed June 24, 1920. Serial No. 391,519. 15 Claims. (Cl. 77-58.)



1. In a device of the kind described in combination, a rotary support, bolts removably disposed in radial bores of said support, double-armed levers pivoted to said bolts

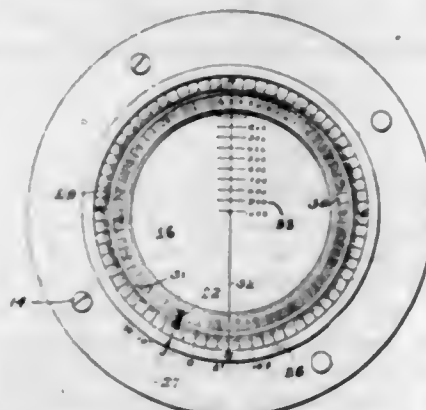
so as to extend substantially at right angles to the support axis, a cutting blade at one arm of each lever, carried by the same resilient means for forcing said arm outward and means for varying the distance between the other arm and said support.

1,513,025. ANCHOR. WILHELM BECKER, Bremen, Germany. Filed Mar. 26, 1921. Serial No. 456,011. 1 Claim. (Cl. 114-208.)



A stockless anchor including a shank and a far spreading rotatable cross head journaled to the shank and provided with broad supporting surfaces projecting laterally beyond the points of the flukes of the anchor and having gradually ascending upwardly tapering end faces merging into the flukes and presenting smooth, unbroken end faces and having gradually ascending side faces, inclined inwardly and merging into the side faces of the flukes to present continuous smooth side faces.

1,513,026. COURSE INDICATOR. ALONZO E. BELL, Spokane, Wash. Filed Apr. 18, 1921. Serial No. 462,242. 8 Claims. (Cl. 88-22.)

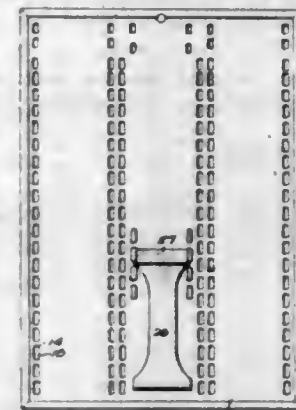


1. In a course indicator for aircraft, a support, an angularly adjustable member mounted on the support and having a direction indicating line adapted to be turned to a predetermined position with relation to the track of the craft over the ground, a scale of angular measurement graduated with reference to a true north bearing positioned so as to be traversed by the direction indicating line, a second scale to correct for magnetic deviation in any position of the craft in azimuth, and a movable lubber line to correct for magnetic variation, whereby the angular relation of the direction indicating line to a true north bearing may be determined.

1,513,027. CARD HOLDER. JOHN V. BELL, Chifton, N. J. Filed Sept. 5, 1923. Serial No. 661,091. 1 Claim. (Cl. 40-64.)

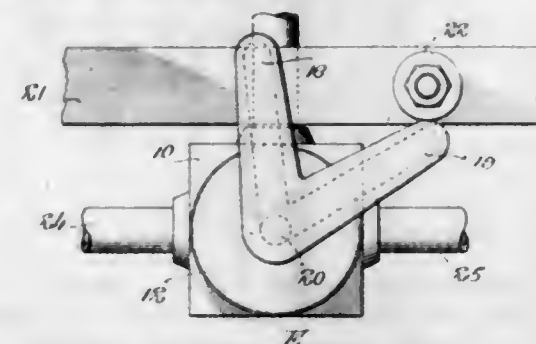
As a new article of manufacture, a directory board comprising a sheet metal plate having each of its marginal edges bent backwardly upon the body portion thereof, a plurality of pockets formed by cutting the board and striking the material therefrom to provide integral projecting members adapted to receive therebetween cards to be supported in display position on one face of the board, and a plurality of projecting members formed integral with the plate and projecting there-

through in a direction opposite to that of the first-mentioned projecting members, and a supporting leg having



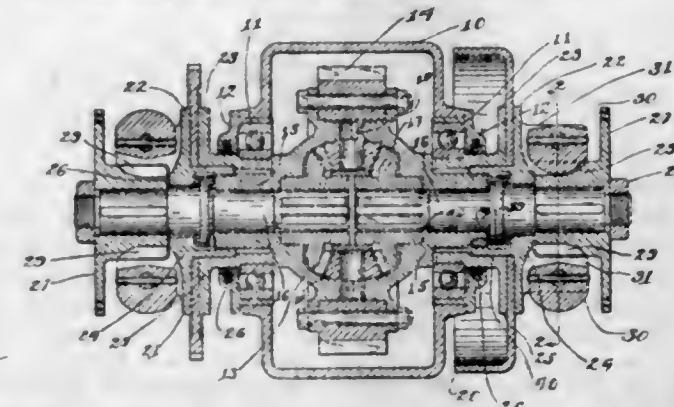
an offset portion adapted to be received in two of said last-mentioned plurality of projecting members to support the directory board in display position.

1,513,028. DIRECTION VALVE FOR AUTOMATIC TRAIN-CONTROL APPARATUS. DAVID J. BISSELL, Jr., Spokane, Wash., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash., a Corporation of Washington. Filed May 1, 1923. Serial No. 635,896. 1 Claim. (Cl. 251-109.)



In automatic train control apparatus, the combination with a main pressure supply pipe and a pair of auxiliary pressure supply pipes; of a valve including a casing and a rotatable plug therein for connecting said main pressure supply pipe with said auxiliary pressure supply pipes, said plug and said casing having radially disposed ports therein so arranged that in one position of the valve the main pressure supply pipe is connected with one of said auxiliary pressure supply pipes and in another position of the plug the main pressure supply pipe is connected with the other auxiliary pressure supply pipe, and a hollow operating arm on one end of said plug whereby fracture thereof vents one of said auxiliary pressure supply pipes according to the rotated position of the plug within the casing, said hollow handle being in communication with the ports is said plug through an axial passage in the plug.

1,513,029. DIFFERENTIAL-LOCKING DEVICE. JOHN F. BOLGIANO, Dayton, Ohio. Filed Sept. 12, 1923. Serial No. 662,256. 8 Claims. (Cl. 74-100.)



1. In a differential transmission mechanism, a driven transmission gearing housing, differential transmission gearing in said housing, driven shafts extending into

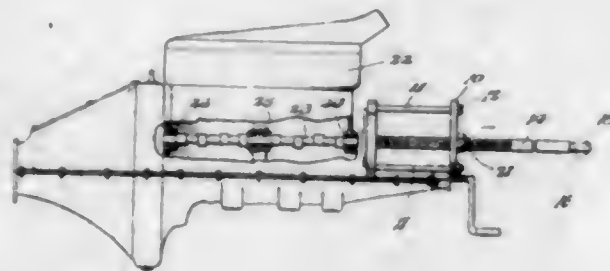
said housing operatively connected with said gearing therein, and means for locking said shafts to said housing, said means comprising pivoted latches rotatable from inoperative position and means to be engaged thereby, said latches and means to be engaged thereby being provided on said housing and shafts.

1,513,030. BAILER BOTTOM. ALEXANDER BOYNTON, San Antonio, Tex. Filed Oct. 29, 1923. Serial No. 671,536. 3 Claims. (Cl. 166—19.)



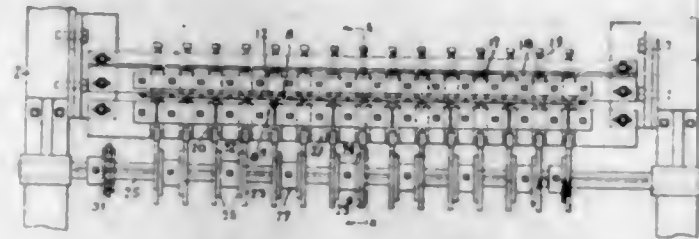
2. A bailer bottom comprising inner and outer sleeves having discharge ports adapted for registration, a pin and spiral slot connection between the inner and outer sleeve and limiting the rotation of the outer sleeve on the inner sleeve, said inner sleeve being provided with an annular shoulder adapted to support the outer sleeve when the ports are out of registration, whereby the pin and slot connection is relieved of strain.

1,513,031. DEVICE FOR REMOVING AND REPLACING ENGINE CAM SHAFTS AND BUSHINGS. OLIVER M. BROWN, Kansas City, Mo. Filed Feb. 21, 1922. Serial No. 538,249. 3 Claims. (Cl. 29—85.)



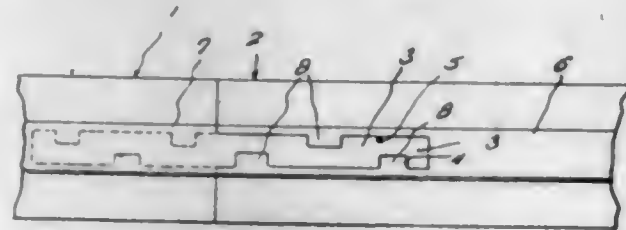
1. A device of the character described including a bracket, an operating bar adjustable thereon, a bushing engaging dog carried by the bar, the bar being provided at the rear of said dog with a stop shoulder, and a spacing sleeve to surround the bar abutting said shoulder.

1,513,032. CRIMPING MACHINE. GEORGE E. BULL, Monessen, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 4, 1922. Serial No. 604,809. 2 Claims. (Cl. 140—105.)



1. In mechanism for forming crimps in a wire or other shape, the combination of a plurality of sets of cooperating dies, means for operating one set of dies intermediate the ends of the wire, and means for operating the remaining sets of dies successively on each side of said first set.

1,513,033. RAIL JOINT. ORA G. COSNER, Greenland, W. Va. Filed Apr. 19, 1924. Serial No. 707,691. 1 Claim. (Cl. 238—235.)

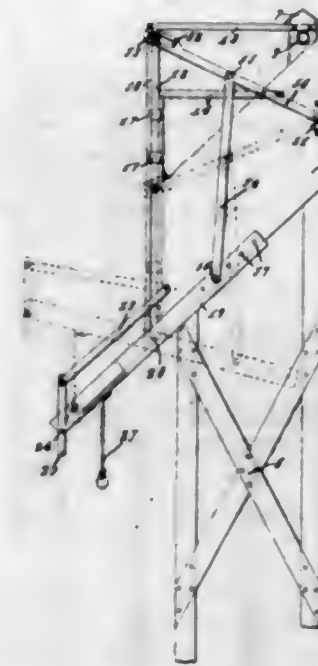


A rail joint comprising rail sections, one of which is provided at its tread surface of its head with an elongated recess leading in from the end of the head, there being spaced projections located in the recess at the side edges, the projections at one side being located opposite the spaces between the projections at the opposite side, all of said projections having parallel opposite side edges which are disposed transversely of the head, and tread surface thereof, the other rail section having at the end of its head a projection with side edge notches adapted to enter and fill the recess, and with the first mentioned projection snugly received in the notches, the second mentioned rail section being provided at the under surface of its base flange with an elongated recess leading in from the end of the flange, there being spaced projections located in the last mentioned recess at the edges, the projections at one side being located at opposite spaces, between the projections at the opposite sides, all of said projections having parallel opposite side edges, which are disposed transversely of the base flange, and the first mentioned rail section having at the end of its base flange, a projection with side edge notches adapted to enter and fill the last mentioned recess, and with the projections therein snugly received in the notches.

1,513,034. SEED HOPPER. WILLIAM H. COURSEY, Brownboro, Tex. Filed Mar. 6, 1924. Serial No. 697,823. 1 Claim. (Cl. 193—21.)

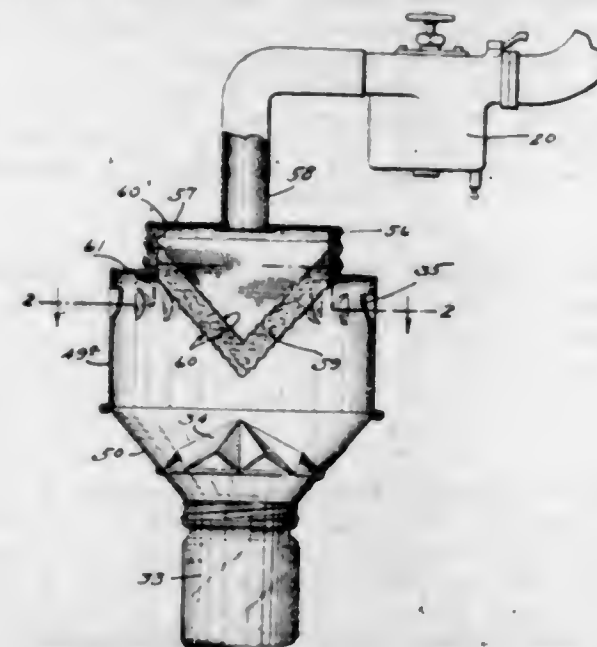
In a device of the class described, a frame, a bin on the frame, and having a downwardly inclined bottom, a chute pivotally supported intermediate its ends, the chute extending backwardly beneath the bin and forwardly with respect to the bin, a door slidably mounted at the mouth of the bin, a radius arm pivotally mount-

ed at its rear end, a slidable anti-friction connection between the forward end of the radius arm and the door, a link pivotally mounted at its upper end on the



radius arm, intermediate the ends of the radius arm, and means for connecting the lower end of the link with the rear portion of the chute at adjusted points spaced longitudinally of the chute.

1,513,035. AIR CLEANER. FRANK A. DONALDSON, Minneapolis, Minn. Original application filed Nov. 12, 1921, Serial No. 514,028. Divided and this application filed Aug. 31, 1923. Serial No. 660,411. 5 Claims. (Cl. 183—44.)

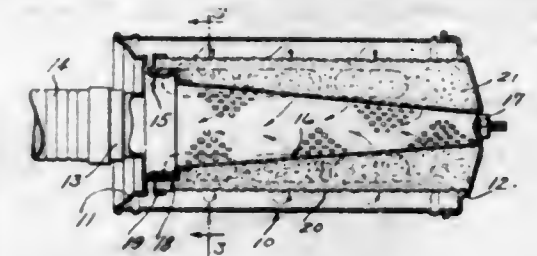


1. An air cleaner comprising an outer casing having peripheral tangential air intake means and an axial air-outlet passage, a hollow filter inserted into said casing with its interior connected to said discharge passage and with its exterior directly exposed substantially in line with the axis of said intake to the air drawn into the casing through said air intake means.

1,513,036. AIR CLEANER. FRANK A. DONALDSON, Minneapolis, Minn. Filed Aug. 31, 1923. Serial No. 660,412. 6 Claims. (Cl. 183—44.)

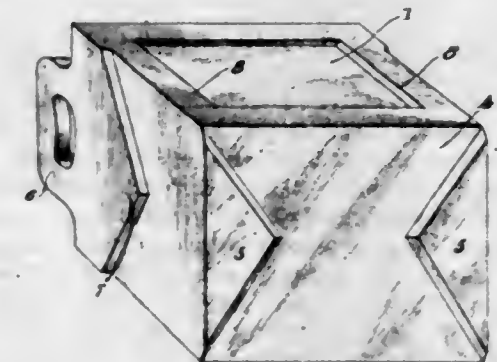
1. An air cleaner comprising an outer casing having a peripheral tangential air intake and an axial air

discharge passage, a tubular filter inserted into said casing with its interior connected to said discharge pas-



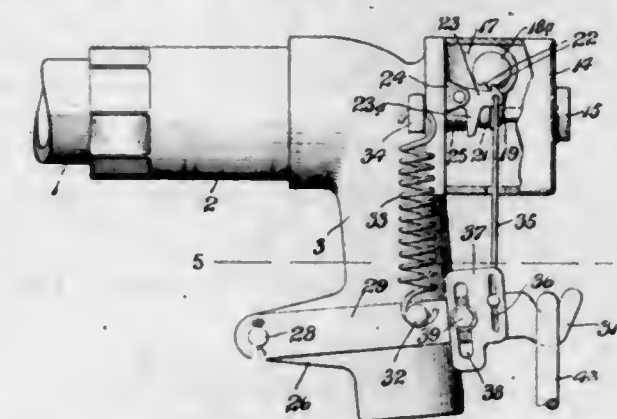
sage and with its exterior directly exposed substantially in line with the axis of said intake to the air drawn into the casing through said air intake passage.

1,513,037. RUBBER STORAGE-BATTERY BOX. ADAM V. DOUGLAS, Paris, Ky. Filed Oct. 17, 1923. Serial No. 669,107. 1 Claim. (Cl. 206—2.)



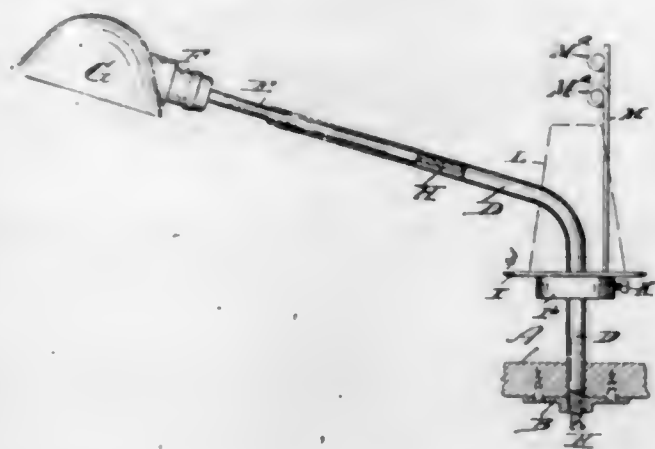
In an integrally formed rubber storage battery box, the combination of a bottom, side, and end walls, of a pair of reinforced handles integrally formed at the opposite ends of said box, said box being provided with reinforced integrally formed areas on the bottom and ends of said box, where the same contracts with the usual type of box holder.

1,513,038. TANK-WAGON FAUCET. JOHN JAMES FORTIER and LOUIS VINCENT CLAIRE, Grand Rapids, Mich., assignors, by direct and mesne assignments, to said Fortier. Filed Apr. 17, 1922. Serial No. 534,172. 9 Claims. (Cl. 249—58.)



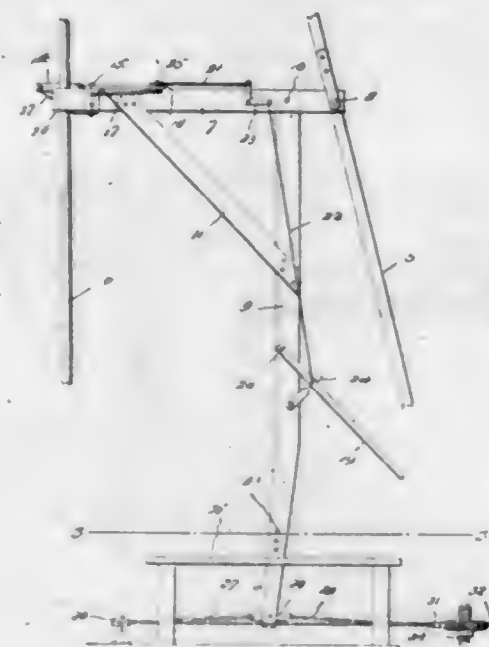
1. In a device of the character described, a member having a passage therethrough and adapted to be connected to a liquid holding tank, a valve in the passage, spring means normally moving the valve to closed position, means for manually opening the valve, latch means for holding the valve in open position, a member pivotally mounted on said first member and having means on which a liquid holding receptacle may be hung, springs normally elevating said second member, a link connecting said latch means and said second member, and means making a slidable connection between the link and said second member, substantially as described.

1,513,039. COMBINED LAMP BRACKET AND SPOOL HOLDER. MAX K. GOLDEN, Detroit, Mich., assignor to David Schuff, Detroit, Mich. Filed Jan. 7, 1924. Serial No. 684,901. 1 Claim. (Cl. 240-2.)



In a device of the character described; a vertical tubular bracket having a lateral angularly directed extension adapted to receive a telescoping tubular arm; a boss plate adapted to be secured to a table or other support to receive the end of the bracket axially adjustable therein; an adjustable platform supported upon the bracket having means to receive and support a spool of thread; a standard provided with loops to receive and guide the thread delivered from the spool; a telescoping tubular arm sleeved within the lateral extension of the bracket fitted at its outer end with a lamp fixture including a reflector, said telescoping tubular arm being longitudinally and axially adjustable in the bracket, whereby it may direct the rays from the lamp fixture upon the thread as it may be sewn.

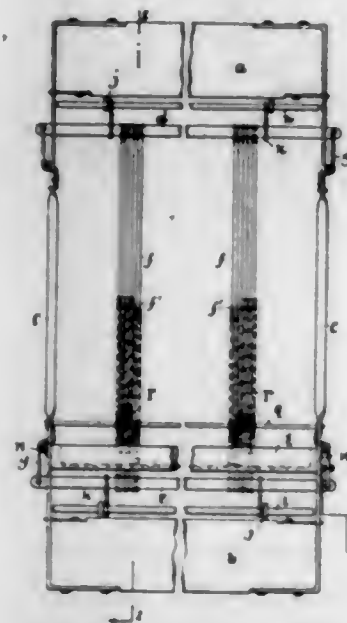
1,513,040. POWER-TRANSMISSION ATTACHMENT FOR WINDMILL PUMPS. BENJAMIN T. GUEST, Sterling City, Tex. Filed Oct. 10, 1923. Serial No. 667,687. 3 Claims. (Cl. 74-5.)



1. In combination with an upright frame member of a windmill tower, and a vertically reciprocating pitman arranged inwardly of said frame member, a relatively large bell crank lever including a substantially horizontal upper arm, and a depending substantially vertical arm rigidly connected together, with the depending arm adjacent the outer end of the horizontal arm, said bell crank lever being pivoted for vertical swinging movement

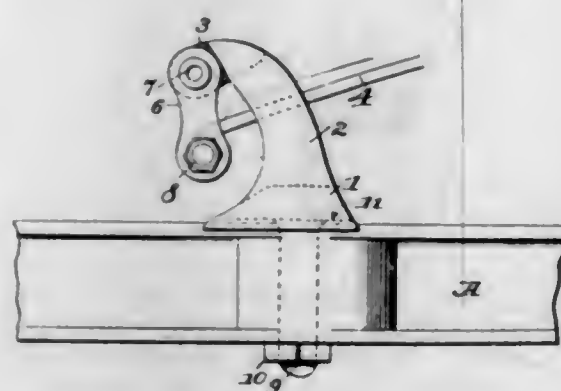
to the frame member of the tower, means to operatively connect the lower end of said depending arm to extraneous machinery, and means manually operable at will for clutching the inner ends of the upper arm of the bell crank lever to said pitman.

1,513,041. WARP-CONTROLLING MEANS FOR LOOMS. THOMAS HANNEY and JOHN H. BECKER, Brooklyn, N. Y., assignors to Warp Twisting-In Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 6, 1923. Serial No. 666,901. 6 Claims. (Cl. 139-355.)



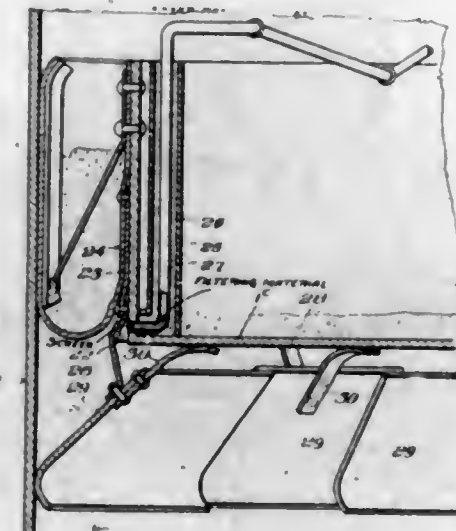
1. In combination, a heddle-frame, heddles arranged in the heddle-frame and having warp-thread guiding portions, and vertically elongated circuit-closing fallers having free upper end portions and means in said end portions to suspend the fallers from the warp-threads, said frame having, below said portions of the heddles, means to sustain each faller upon falling in substantially the plane, transverse of the warp, in which it is suspended.

1,513,042. SPRING PERCH. JOSEPH L. HARTELL, Brainerd, Minn. Filed Apr. 18, 1922. Serial No. 554,601. 3 Claims. (Cl. 267-54.)



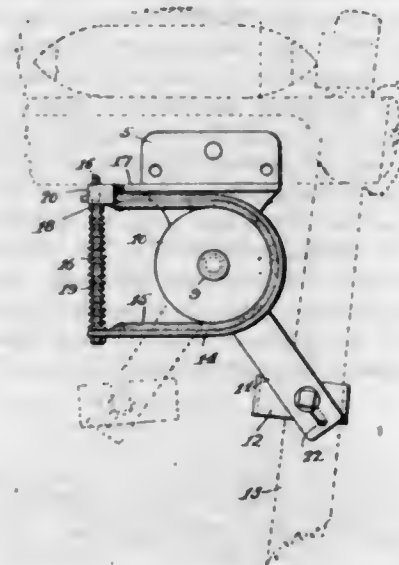
1. A spring perch composed of a base, means by which the perch may be secured to an automobile axle in either a normal or a reversed position, a pair of arms upstanding from the base and spaced apart to admit the end of a spring when the perch is reversed for a long spring, and a lug at the upper end of the perch between the extremities of the arms for the mounting of a pair of shackles.

1,513,043. GAS-VENTING APPARATUS FOR OIL TANKS. WILSON SYLVESTER HUFF, Oklahoma City, Okla. Filed Mar. 12, 1921. Serial No. 451,877. 8 Claims. (Cl. 220-26.)



1. In a container, a floating tank covering the liquid in the container, a pipe extending through the floating tank into communication with the liquid, and a baffle for directing gas into said pipe to prevent its accumulation beneath the floating tank.

1,513,044. PICKER CHECK. JOHN WATTS JONES and EDWARD LAWRENCE JONES, Greenville, S. C. Filed Aug. 6, 1923. Serial No. 656,049. 5 Claims. (Cl. 139-162.)

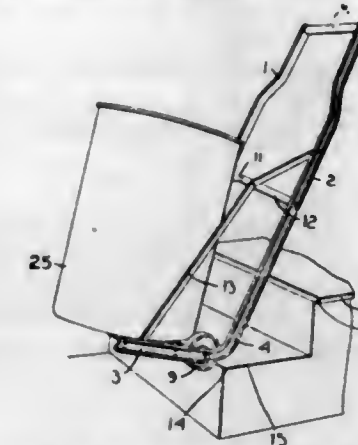


3. A picker-check comprising adjustable friction devices and a flexible loop connecting the same to the picker-stick, said friction devices embodying a yoke lined with a friction material, an oscillating disk and means connecting the same to the aforesaid loop, and spring tensioning means connecting the arms of the yoke, the loop being sufficiently larger than the picker-stick to permit the same to have a free flying action at the beginning of each stroke.

1,513,045. BARREL TRUCK. THOMAS E. JORDAN, Malden, and GERALD J. HENRY, Melrose, Mass.; said Jordan assignor of his entire right to Oliver Whyte Co. Inc., Boston, Mass., a Corporation of Massachusetts. Filed Sept. 30, 1919. Serial No. 327,507. 1 Claim. (Cl. 280-50.)

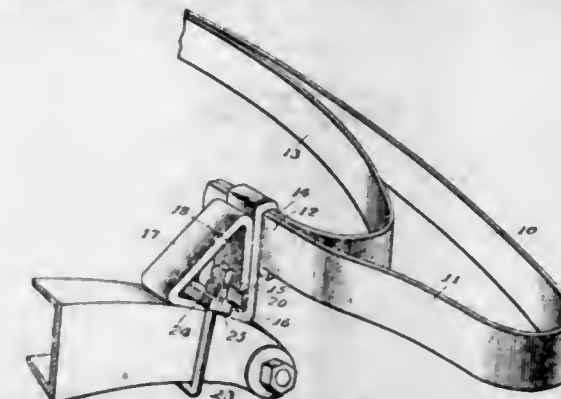
A barrel truck comprising two side members each being bent to form a straight body portion, a platform-supporting portion extending at an obtuse angle to the body portion and an intermediate curved portion connecting the body portion and platform-supporting portion

and constituting a runner portion, a barrel support and positioning member carried by the platform-supporting portion with their axes in the plane of said portion, the axis of said wheels being located between a barrel supported on and positioned by the barrel-supporting portion



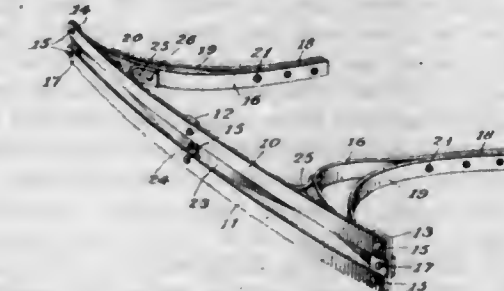
and said runner portion, the size of the wheels being such that the peripheries thereof lie just inside the plane of the body portion and intersect the runner portion, whereby in taking the truck over a step the corner of the step will pass from the curved runner portion onto the wheels with an easy movement.

1,513,046. AUTOMOBILE BUMPER BRACKET. GEORGE F. KOLB, Bridgeport, Conn., assignor to The Bullard Machine Tool Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 13, 1923. Serial No. 662,431. 5 Claims. (Cl. 293-55.)



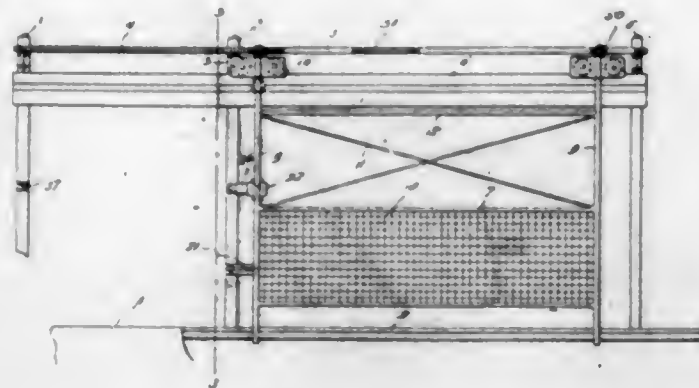
4. In an automobile bumper for use upon the frame ends of an automobile, a bumper bar, and an attaching bracket therefor comprising an inverted U-shaped clamping portion embracing the end of the bumper bar, a base portion secured to the frame, and a bracing portion extending between said base portion and the clamping portion.

1,513,047. BUMPER. GEORGE F. KOLB, Fairfield, Conn., assignor to The Bullard Machine Tool Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 28, 1924. Serial No. 695,644. 6 Claims. (Cl. 293-55.)



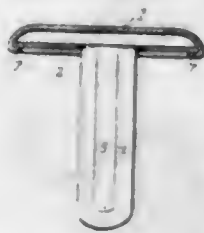
1. A bumper comprising a forward impact section, and supporting portions at each side each comprising an inwardly curved bar having one end attached to the impact section and the other end adapted to be attached to the automobile frame, and another curved bar of different curvature secured at its ends to said first bar.

1,513,048. AUTOMATIC RAILWAY GATE FOR GRADE CROSSINGS. ELIA KOPELIVITZ, Waterbury, Conn. Filed July 21, 1924. Serial No. 727,259. 8 Claims. (Cl. 246—1227.)



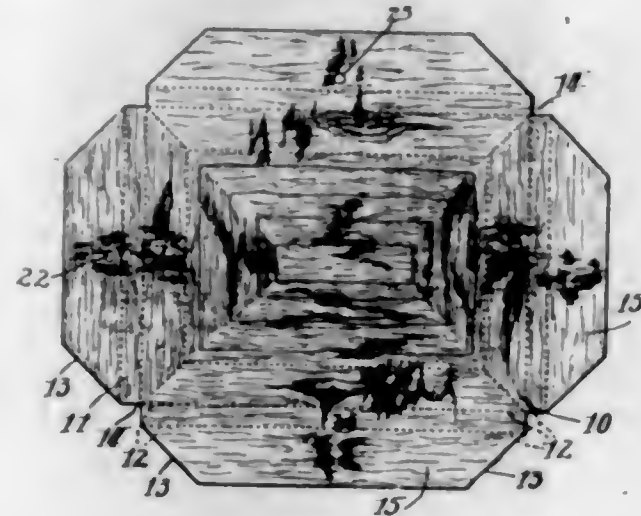
2. An automatic railway gate for grade crossings comprising a frame including spaced inverted U-shaped members, gates supported between the respective arms of said inverted U-shaped members on opposite sides of a pair of rails, supports for said frame adjacent the rails and on opposite sides of the crossing, said frame being adapted for horizontal sliding movement on said support, means for electrically actuating said gate structure.

1,513,049. CLIP OR PAPER FASTENER. GEORGE P. KREHBIEL, Passaic, N. J. Filed Aug. 29, 1921. Serial No. 496,341. 1 Claim. (Cl. 24—153.)



A clip or paper-fastener of the class described, comprising a double-headed head or securing base-portion, having an inner or lower, and an outer or upper, substantially circular plate, superposed one upon the other, the outer or upper plate being of slightly larger diameter than is the inner or lower like smaller diametered plate formed integral therewith and connected thereto along a short portion of the peripheral edge of each of such plates; the outer or upper larger diametered circular plate being bent over and superposed upon the top surface of the inner lower smaller diametered like plate, and having its bounding outer peripheral edge swaged down over upon and around the peripheral bounding-edge of such inner or lower integral circular smaller diametered plate, in such manner as to secure the two plates together so as to form a single integral head or securing base-portion double-headed and of dome-like and rounded contour; and a double-tongued longitudinally centrally slotted securing-member formed integral with the inner or lower circular smaller diametered plate extending outward therefrom at substantially a right angle to the plane of such inner or lower plate; the construction being such that the single central tongue lies normally in the slot of its coacting securing-member, so that both the securing-members are simultaneously passed thru the bundle of sheets etc., to be secured, after which the central solid-tongue is bent to one side down into contact with the bundle of sheets adjacent to the head in one direction and the centrally slotted securing-member or tongue bent down into like contact with the bundle of sheets adjacent to the head, in the opposite direction.

1,513,050. PICTURE FRAME. FRANK J. KRISTOFER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed May 29, 1920. Serial No. 385,275. 3 Claims. (Cl. 40—154.)

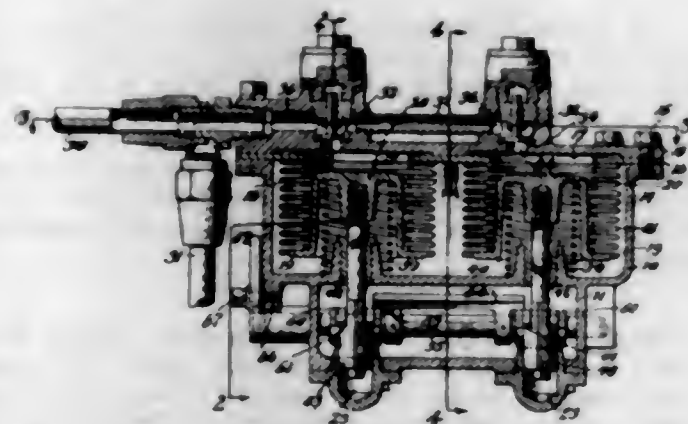


1. A picture frame formed of cardboard, having a suitable configuration printed or lithographed on the front face thereof to simulate a design and a molding having undivided mitered corners on its front face about the central portion of said face, the central portion of said frame being adapted to receive a picture.

1,513,051. PROCESS OF FUMIGATING AND DISINFECTING. WALTER S. LANDIS, Whitestone Landing, N. Y., and GUY H. BUCHANAN, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed July 8, 1921. Serial No. 483,263. 2 Claims. (Cl. 107—3.)

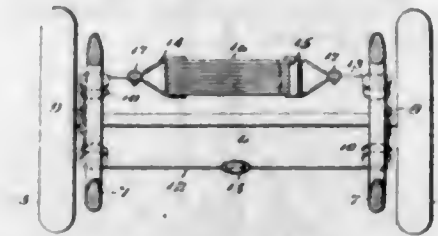
2. The process of simultaneously fumigating and disinfecting an enclosed space which consists in introducing hydrocyanic acid gas and formaldehyde into said space, under such conditions that substantially no chemical reaction takes place between them for a period of time greater than two hours; and maintaining said materials within said space for a time sufficient to accomplish fumigation and disinfection, substantially as described.

1,513,052. PUMP. ELWOOD T. LARKIN, Buffalo, N. Y., assignor to Charles A. Criegel, Buffalo, N. Y. Filed Dec. 4, 1922. Serial No. 604,684. 6 Claims. (Cl. 103—207.)



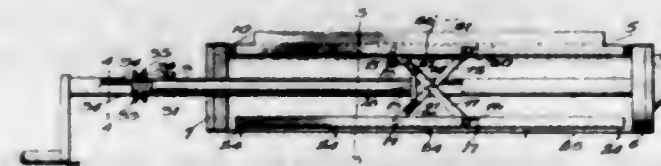
1. A pump comprising a liquid shifting member, a pump rod connected with said shifting member, a rock lever operatively connected with said rod, and a manually operated rock arm pivoted concentrically with said lever and adapted to engage an arm of the latter.

1,513,053. AIRCRAFT LANDING GEAR. CHARLES A. LEWIS, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,045. 4 Claims. (Cl. 244—2.)



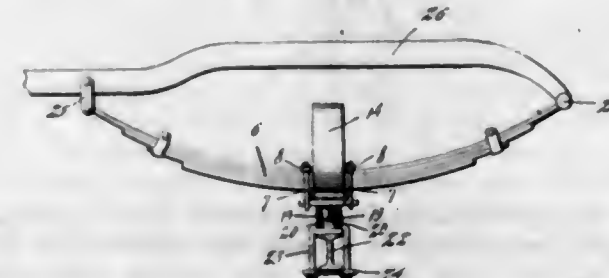
1. In aircraft landing gear, the combination of an axle, struts having guideways in which both ends of the axle are mounted for up and down movement, and shock-absorbing means comprising a single cable passing around the axle and having leading and trailing runs parallel to the axle and also connected with the struts, and an elastic shock-absorbing unit incorporated in one of the cable runs.

1,513,054. CLOTH-WINDING REEL. PHILIP HARRY LUSTATE, Tyler, Tex. Filed Sept. 26, 1923. Serial No. 664,980. 5 Claims. (Cl. 242—62.)



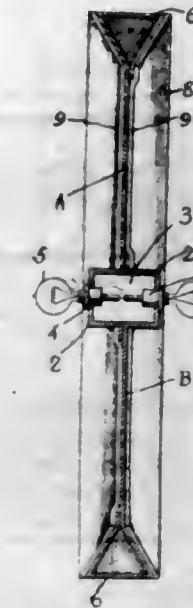
1. A winding reel comprising a cylinder having two circumferentially spaced openings in the peripheral walls thereof extending longitudinally of the cylinder, an expansible frame comprising two elongated members, one of said elongated members carrying a plurality of outwardly extending pin projections, and means within the cylinder for connecting the elongated members together to hold the latter in parallel relation and for movement radially of the cylinder to move said one elongated member to and from position to extend the pin projections through one of said openings in the walls of the cylinder and to move the other elongated member through the second opening in the walls of the cylinder to and from position in which it is disposed exteriorly of the cylinder.

1,513,055. AUTOMOBILE SPRING. GEORGE LOFFL, Garrett, Ind. Filed Sept. 27, 1921. Serial No. 503,570. 3 Claims. (Cl. 267—45.)



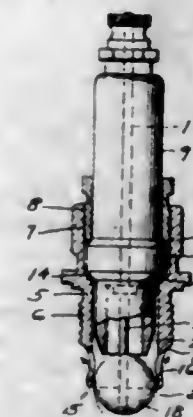
1. The combination with the frame and axle of a vehicle, of a bowed main spring assembled with the frame; a support; a spacer on the support and engaging the main spring; a bowed auxiliary spring disposed transversely of the main spring and extended between the main spring and the frame; means for securing the ends of the auxiliary spring to the spacer; means for securing the spacer to the support; means for securing the main spring to the support; and means for attaching the support to the axle.

1,513,056. ILLUMINATED SIGN. CHARLES A. MCNEAL, Newark, Ohio. Filed Nov. 12, 1923. Serial No. 674,266. 5 Claims. (Cl. 40—130.)



1. In an illuminated sign, two identical interchangeable panels located edge to edge in the same plane and having at their abutting edges a wiring conduit for a single row of lamp receptacles and lamps equidistant from and common to both panels.

1,513,057. SPARK PLUG. MAYNARD F. MACDONALD, Victoria, British Columbia, Canada, assignor to Harry R. Mitchell, Seattle, Wash. Filed May 1, 1924. Serial No. 710,408. 4 Claims. (Cl. 123—169.)

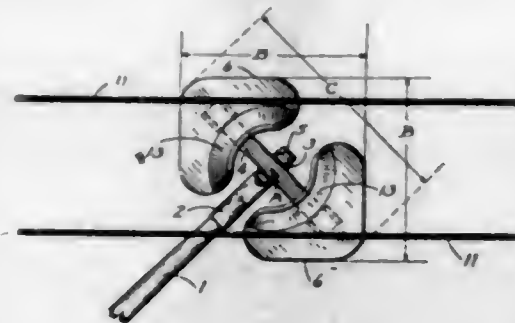


1. A spark plug comprising an externally threaded shell, a gland threaded into the upper end of said shell, a porcelain held in place within the shell by said gland, an electrode carried by said porcelain comprising a rod passing therethrough and a ball upon the lower end of said rod, the lower end of the shell being provided with a depending apron having openings formed through its side walls which openings lie above the center of the ball, that portion of the apron below said openings lying substantially opposite the center of the ball and the lower portion of the ball projecting materially below the lower edge of the apron, said openings having flaring upper edges which in conjunction with the flaring lower face of the ball direct the gases passing through the annular space between the ball and the lower edge of the apron, upwardly and outwardly.

1,513,058. CURRENT COLLECTOR. SAMUEL S. MATTHEWS, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Original application filed Mar. 1, 1922, Serial No. 540,147. Divided and this application filed May 1, 1924. Serial No. 710,467. 4 Claims. (Cl. 191—57.)

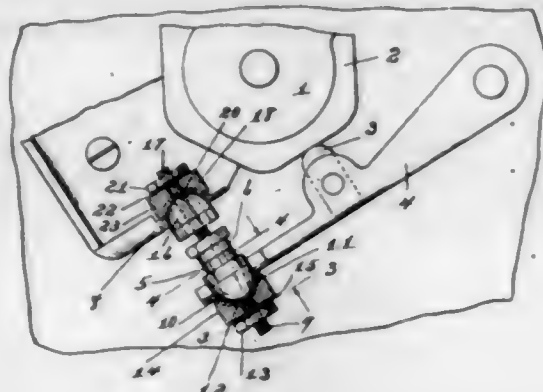
1. A current collecting device comprising a support member, a head adapted to swing in a substantially

vertical plane, a pair of current collecting members supported by the head and means to insulate the collecting members from each other; each collecting mem-



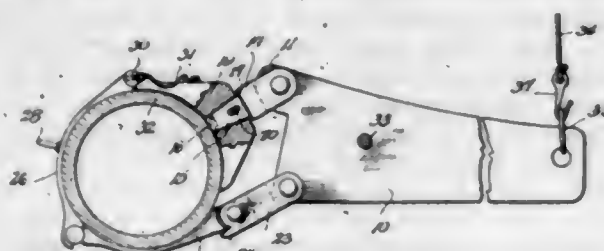
ber comprising a horizontally disposed flange, the upper surface being convex to a substantially horizontal plane and having an upstanding flange the outer surface being convex to a substantially vertical plane.

1,513,059. CIRCUIT BREAKER. ADOLPH MEYER and WILLIAM A. GEORCK, Albany, N. Y. Filed June 8, 1922. Serial No. 566,843. 4 Claims. (Cl. 200-170.)



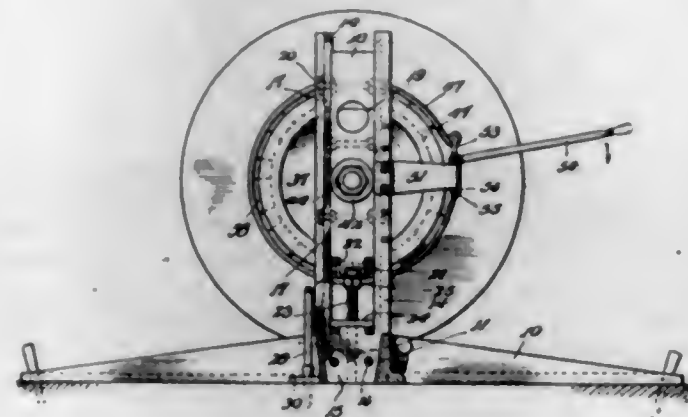
1. In a circuit-breaker and in combination, a contact member, and a supporting member, said members being formed with cooperative spherical bearing-surfaces; means for securing said contact-member in selected angular position upon said supporting member, and rotary about its longitudinal axis, and having its contact-end offset with respect to said axis; and means for securing said rotary contact-member against rotation; and a second contact-member, one of said contact-members being movable toward and from the other.

1,513,060. PIPE WRENCH. ANTHONY F. MUTH, Eldorado, Kans., assignor of five-sixteenths to John J. Muth, two-sixteenths to Wilfred H. Muth, and one-sixteenth to Charles A. Muth, all of Eldorado, Kans. Filed June 13, 1923. Serial No. 645,111. 6 Claims. (Cl. 81-60.)



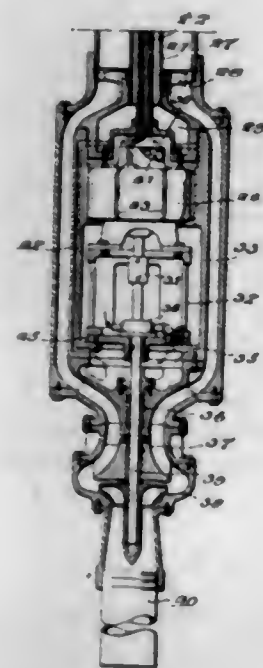
1. A pipe wrench including a lever, a split clamping band connected at one end to the lever, and a dog carried by the lever and connecting the opposite end portion of the band with the lever and movable radially of the band to impinge against a pipe clamped thereby.

1,513,061. CABLE-REELING DEVICE. ANTHONY F. MUTH, Eldorado, Kans., assignor of five-sixteenths to John J. Muth, two-sixteenths to Wilfred H. Muth, and one-sixteenth to Charles A. Muth, all of Eldorado, Kans. Filed June 13, 1923. Serial No. 645,112. 6 Claims. (Cl. 242-85.)



1. A reeling device including companion standards, bearing blocks slidable vertically thereon, means for elevating said blocks, companion means for journaling a spool upon the blocks, and means to coact with one of said journaling means for braking the rotation of the spool.

1,513,062. METHOD AND MEANS FOR OPERATING MOTORS. WILLIAM A. NORTH, Montclair, N. J. Filed Jan. 25, 1924. Serial No. 688,546. 5 Claims. (Cl. 189-1.)



1. A process of operating a motor which comprises submerging said motor in a lubricant whenever the latter is inactive, and removing and keeping away most of said lubricant from the motor upon, and by operation of, the motor.

1,513,063. FOUNTAIN PEN. FRANK J. O'ROURKE, Whitestone, N. Y. Filed Mar. 4, 1922. Serial No. 541,011. 2 Claims. (Cl. 120-46.)

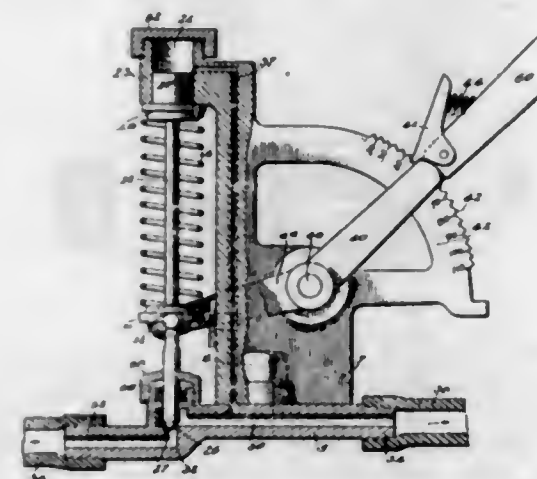
2. A fountain pen having a body member, an enlarged flange thereon, a plurality of caps screw threaded to said body and at opposite ends thereof, said caps being of equal diameter and of a diameter equal to the

diameter of said flange, one of said caps being of a length greater than the other, said body member being provided with a reduced portion and within one said



cap, a resilient member thereon and a valve member upon said reduced portion and within said resilient member, as herein set forth.

1,513,064. AUTOMATIC CUT-OUT. NEAL GEORGE PACKARD, Sand Springs, Okla. Filed July 23, 1923. Serial No. 653,860. 7 Claims. (Cl. 50-8.)

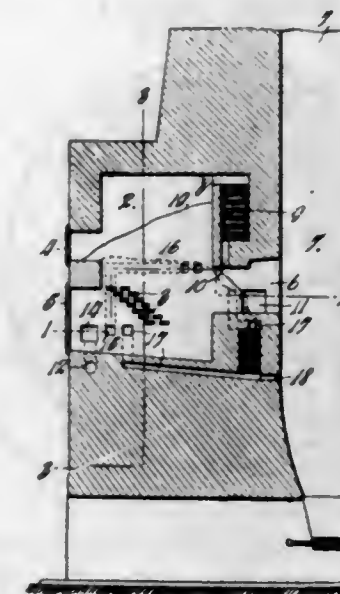


1. An automatic cut off for air lines comprising a base having a passage for air, an upright mounted on the base and having a branch passage communicating with said first named passage, a valve controlling the movement of air through said first named passage and having a piston, said upright being provided with a cylinder receiving said piston and communicating with said branch passage, a spring resisting the closing of said valve, and a bracket having engagement with one end of said spring and having sliding connection with said upright.

1,513,065. FURNACE. JOHN S. PEARCE, Vancouver, British Columbia, Canada. Filed July 19, 1923. Serial No. 652,589. 2 Claims. (Cl. 110-75.)

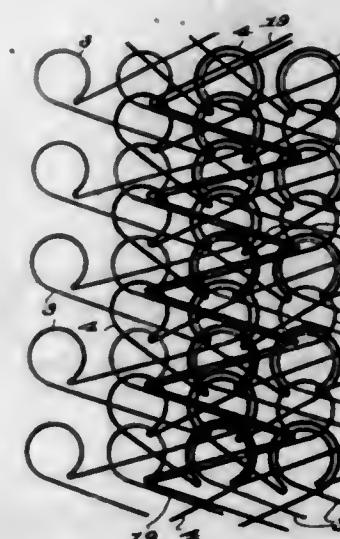
1. A furnace for the combustion of solid fuel and the delivery of the hot gases therefrom, comprising a relatively deep and narrow chamber having walls of heat non-conducting material, a grate in the lower part of such chamber, a closable opening through which the fuel may be delivered on the grate, a direct exit for the fuel gases adjacent the level of the grate, a second

exit for the fuel gases delivering into the direct exit, means for delivering air for combustion to below the grate, means for heating and delivering air through the



side walls of the furnace adjacent the direct exit, and means for heating and delivering air into the direct exit adjacent the connection of the second exit thereto.

1,513,066. WARP KNIT FABRIC AND METHOD OF MAKING THE SAME. PAUL H. QUICK, Gloversville, N. Y., assignor to Kingsboro Silk Mills, Inc., Gloversville, N. Y. Filed Dec. 26, 1922. Serial No. 609,093. 3 Claims. (Cl. 66-4.)

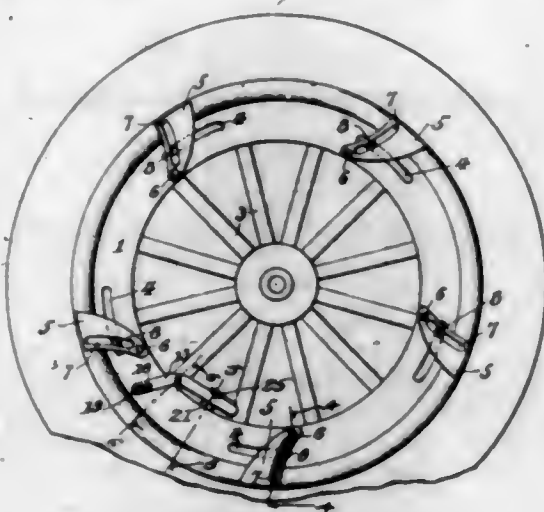


1. The herein-described warp fabric consisting of two sets of looped silk threads respectively of single traverse and of double traverse, and a third set of threads of greater strength and durability than said silk threads, the silk threads being arranged to form upper and lower warps and the third threads intermediate warps laid between said upper and lower warps, said intermediate warp threads being inlaid in double traverse arrangement between the upper and lower warps and held by one set of the silk warps, the silk warps being knitted to produce a regular tricot fabric over the intermediate warps.

1,513,067. DEMOUNTABLE RIM. CARRIE C. RAMSEY, Lebanon, N. J. Filed Oct. 11, 1921. Serial No. 507,108. 3 Claims. (Cl. 301-29.)

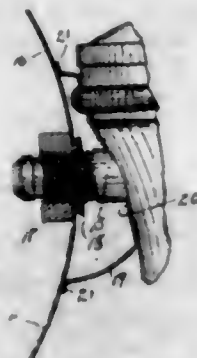
1. A demountable rim securing means comprising the combination with a wheel felly and a rim member removably mounted thereon, of a ring slidably mounted upon

the side face of the said felly, locking members pivotally mounted at one end to the said ring, said ring and locking members provided with registering slots, means



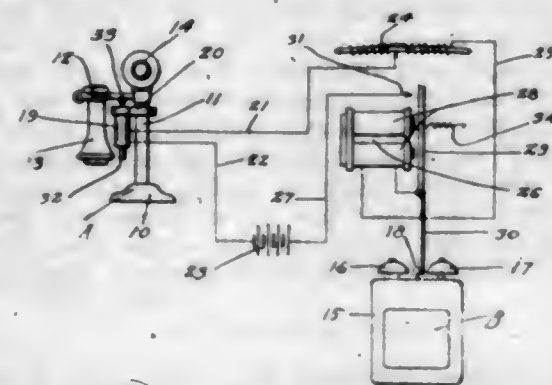
carried by the said felly and extending through the registering slots in said ring and locking members for causing the operation of the locking members.

1,513,068. ACETYLENE MINER'S LAMP. ADOLPH C. RECKER, Oakville, Conn., assignor to Chase Co's Inc., Waterbury, Conn., a Corporation. Filed June 26, 1923. Serial No. 847,809. 6 Claims. (Cl. 240-1.)



1. In an acetylene miner's lamp, the combination with the lamp-body and threaded burner-stem thereof, of a reflector, and a swivelled nut non-removably mounted therein for engagement with the said stem, the said nut projecting forwardly into the reflector for manual operation from the inside thereof.

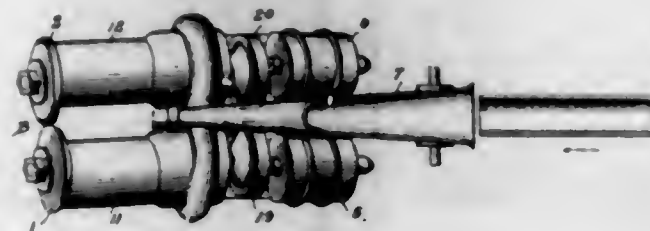
1,513,069. TELEPHONE-RECEIVER-HOOK-LIFTING DEVICE. ROBERT REINHOLD, St. Paul, Minn. Filed June 24, 1922. Serial No. 570,564. 6 Claims. (Cl. 179-81.)



5. In combination with the receiver hook and bell hammer of a telephone, a lifting magnet for raising said receiver, a circuit for controlling said lifting magnet, a contact member for closing said circuit, means

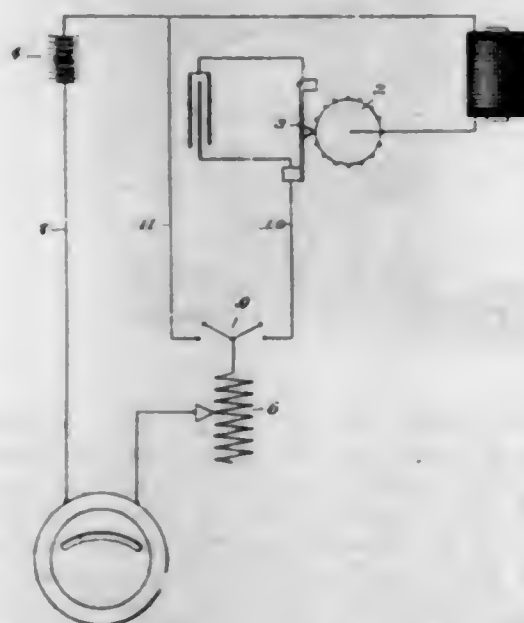
for actuating said contact member operable by said bell hammer for causing the current to energize said lifting magnet, means for maintaining said circuit closed upon momentary closure of said contact member and time controlled means for re-opening said circuit to re-set the switches in normal position.

1,513,070. SHEARING OF ELONGATE MATERIAL. NORMAN C. RENDLEMAN, Dormont, Pa. Filed Mar. 27, 1924. Serial No. 702,212. 13 Claims. (Cl. 164-68.)



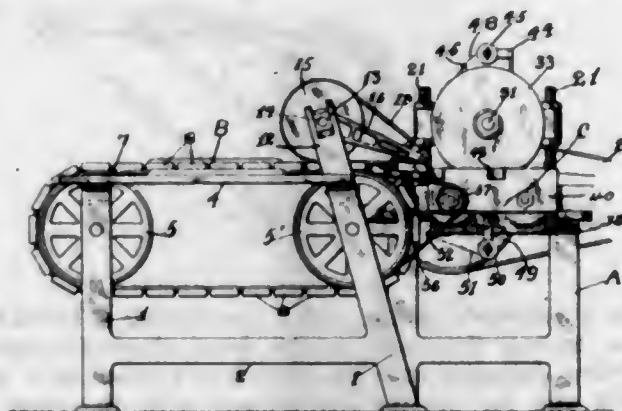
1. The method herein described of shearing a length of material while advancing longitudinally, which consists in bringing the material and the shearing means into relative movement in vertical direction and transverse both to the line of advance of the material and to the plane in which the shear blades meet, and shearing while such relative movement is in progress.

1,513,071. ELECTRICAL TACHOMETER. HERBERT O. RUSSELL, Detroit, Mich., and EDWARD A. SIPP, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,504. 2 Claims. (Cl. 175-368.)



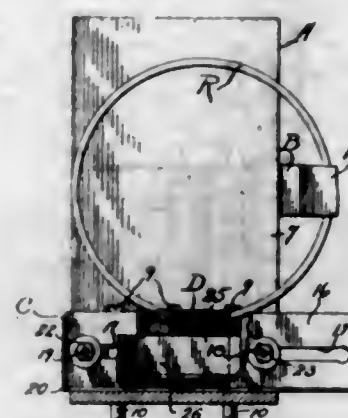
1. An electrical tachometer comprising a constant voltage source of electrical energy, circuit making and breaking mechanism adapted to be operated by the member the number of revolutions of which the said tachometer is designed to indicate, an electrical indicator, an induction coil, an electrical circuit including said source of energy, said make and break mechanism, said indicator and said coil, a second circuit including said source of energy, said indicator and a resistance, a double throw switch adapted to close said second circuit to include said resistance to regulate the voltage while the tachometer is in operation

1,513,072. COMBINED JOINING AND FRAYING MACHINE. FRANK X. SCHNEIDER, Helena, Mont. Filed Dec. 17, 1923. Serial No. 681,223. 15 Claims. (Cl. 117-54.)



1. A machine of the class described including a supporting frame, a pressure disc mounted for rotation upon the frame, spaced cutting discs adapted to engage the periphery of the pressure disc in spaced relation axially thereof, and means for feeding strips of material between the pressure and cutting discs.

1,513,073. PISTON-RING CLAMP AND FILE GUIDE. JOHN E. THURSTON, Hubbard, Oreg. Filed May 7, 1923. Serial No. 637,315. 6 Claims. (Cl. 29-76.)



1. A piston ring clamp and file guide comprising in combination a body portion having guide slots therein, ring securing means carried thereby, a guard slidable through the slots, and ring cutting means carried by the guard and passing through the guide slots in said body portion with the guard.

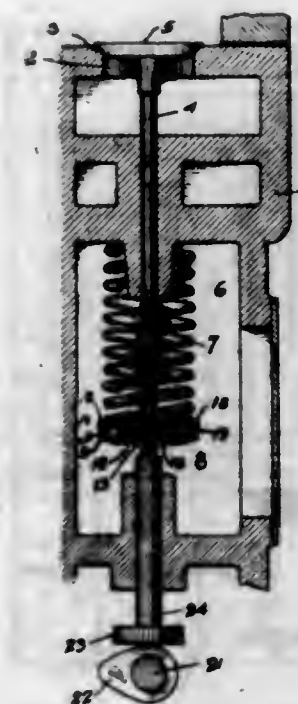
1,513,074. PROCESS FOR THE MANUFACTURE OF INTERMEDIATE PRODUCTS AND NEW INTERMEDIATE PRODUCTS. RICHARD TONLER, Basel, Switzerland, assignor to Society of Chemical Industry in Basel, Basel, Switzerland. Filed Nov. 23, 1923. Serial No. 676,614. 13 Claims. (Cl. 260-53.)

15. As a new product the β -naphthylindoxyl derivatives, of which the hydrogen atoms of the reactive methylene group are substituted by a p-dimethylamino-anil group, which product forms a green powder having a metallic lustre, dissolving in benzene with violet color, and, when treated with saponifying agents, split up into β -naphthylisatin and p-aminodimethylaniline.

1,513,075. SELF-GRINDING VALVE. LOU J. TREMBLEY, Los Angeles, Calif. Filed Aug. 6, 1923. Serial No. 655,893. 3 Claims. (Cl. 251-132.)

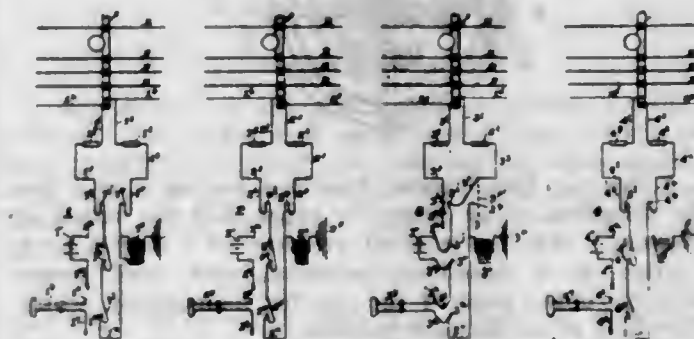
1. An abutment for a valve spring comprising in combination two annular members, each of which is pro-

vided with a raceway for balls, one of said members having a plurality of downwardly projecting flanges



about its central opening, said flanges being adapted to engage the sides of a valve stem and prevent the member from wobbling thereon.

1,513,076. SYSTEM FOR LOCATING BREAKS IN ELECTRIC POWER LINES. FELIX VISINTAINER, Glacier, Wash. Filed Feb. 11, 1922. Serial No. 535,967. 5 Claims. (Cl. 175-183.)

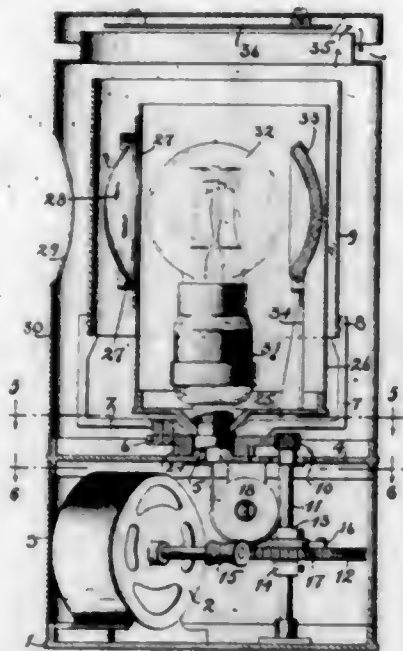


5. In combination, a plurality of sections of a test wire fastened to insulated supports on an electric power line, a plurality of testing stations into each of which the adjacent ends two of said sections of said test wire enter, a grounded electric condenser in each of said stations, an electric current detector in each of said stations, an electric battery on each of said stations, means to in turn connect the adjacent ends of said testing wires in said station to the ungrounded terminal of said condenser, means to in turn cut said battery into circuit between each of said adjacent ends of said testing wires and said condenser, means to cut said current detector into circuit between said battery and said condenser, and means to open and close the connection between said current detector and said battery.

1,513,077. SPOTLIGHT AND COLOR CONTROL. JOHN HARRY WELSH, Brooklyn, N. Y. Filed Sept. 13, 1920. Serial No. 409,901. 1 Claim. (Cl. 88-27.)

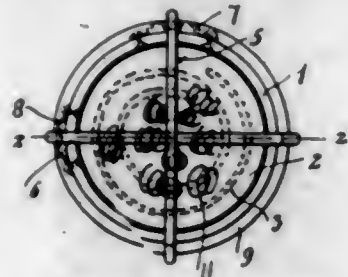
A spot light comprising a plurality of cylindrical casings, one within the other and each being provided with lens apertures and lenses therein, one said lens

being adjustable and a semi-transparent cylindrical member rotatable between said lenses and means for rotating it comprising a motor and gears and pinions operated



thereby, and means for intermittently rotating said cylinder comprising a solenoid and a ratchet and pawl adjacent to one said gear.

1,513,078. BAIL FOR RETAINING COTTON IN CANS. LEROY A. WESTON, Adams, Mass. Filed July 16, 1923. Serial No. 651,993. 3 Claims. (Cl. 220-95.)



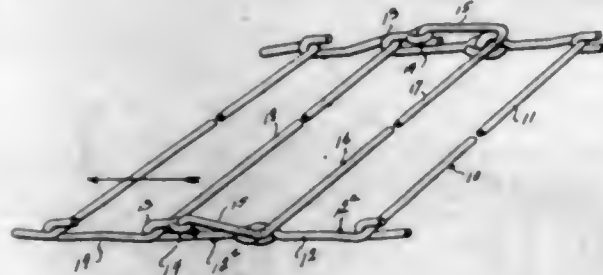
1. A can for the purpose described having a bail pivotally attached at or near its upper end for receiving on its under side the upward pressure of a cotton product when in a rope-like condition, and bead means around the upper edge of the can for temporarily retaining the bail in an upright position.

1,513,079. COLLAR CLASP. CHARLES E. WOLF, Dubuque, Iowa. Filed Nov. 10, 1923. Serial No. 674,011. 1 Claim. (Cl. 24-101.)



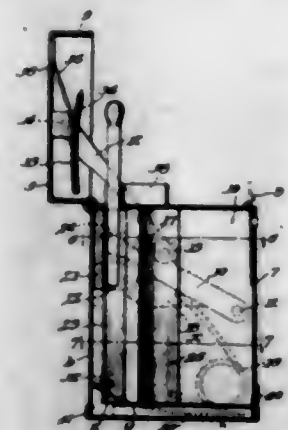
A collar clasp comprising an approximately rectangular thin metal plate longitudinally curved, a portion integral with and extending from the lower edge of the plate upward at an acute angle thereto, said portion at its junction with the plate having the same length as that of the plate but being reduced in length from its part remote from the plate to form a relatively narrow neck, and an integral, downwardly extending, collar-engaging portion joining the second named portion at the neck and extending beyond the neck on each side, this collar-engaging portion being flat and having rounded edges and the narrow neck extending over into the plane of the collar-engaging portion.

1,513,080. CONVEYER CHAIN. ERNEST L. YOUNG, Olatha, Colo. Filed June 27, 1923. Serial No. 648,055. 5 Claims. (Cl. 198-195.)



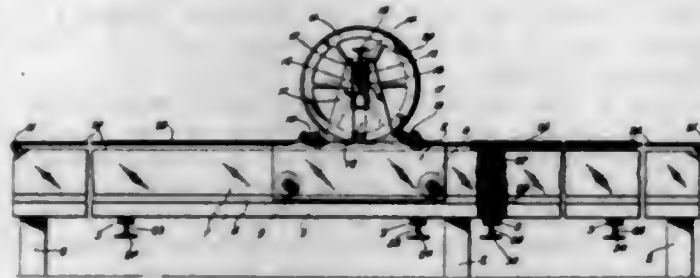
4. In a conveyer chain, a link comprising a U-shaped member having the ends of the arms thereof adapted for pivotal engagement with the bight portion of a second link and for pivotal engagement with the ends of the arms of a third link, the arms of the third link being of less length than the arms of the first named link, and the bight portion of the third link being of greater length than the distance between the arms of the first named links whereby said bight portion during an operative flight of the links will engage upon the arms of the first named link.

1,513,081. MATCH BOX. ADOLPH Y. S. ALBUM, Maywood, Ill. Filed Feb. 20, 1923. Serial No. 620,302. 15 Claims. (Cl. 206-33.)



1. A match-box having a magazine therein, a lid for said box, means for ejecting a match from said magazine when said lid is open, actuating means for operating said ejector, a connection between said actuating means and said lid, whereby the lid may be opened by the former, and means for maintaining said lid in closed position.

1,513,082. PRINTING MACHINE. WILLIAM M. BACON, Chicago, Ill., assignor to E. S. Kyle, Chicago, Ill. Filed Nov. 9, 1921. Serial No. 514,085. 13 Claims. (Cl. 101-212.)



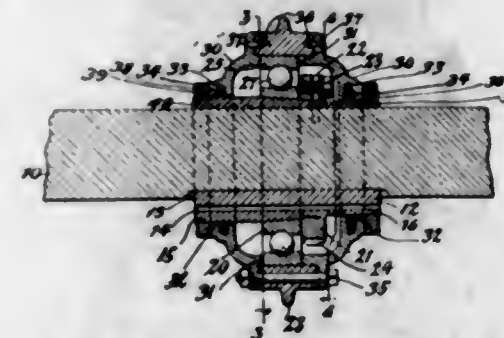
8. In a machine of the character described, a frame, a work support in the frame, a carriage movable to and from the work support, a form cylinder journaled for rotation in the carriage, a drum at each end of the carriage, and ropes or belts passing around said drums and extending to fixed connections at opposite ends of the frame.

1,513,083. CLEAN-OUT BAILER. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, Los Angeles, Calif., a Corporation of California. Filed July 20, 1922. Serial No. 576,332. 7 Claims. (Cl. 166-19.)



1. A clean-out bailer comprising a cylindrical body member having a pair of downwardly extending cutting blades of different lengths formed at its lowermost end, and a normally closed flap valve mounted within said body member just above said blades.

1,513,084. ADAPTER FOR ECCENTRIC DRIVES, ETC. MALCOLM L. BARREAU and RICHARD POWIS, Silver Creek, N. Y., assignors to S. Howes Company, Inc., Silver Creek, N. Y., a Corporation of New York. Filed Dec. 7, 1922. Serial No. 665,525. 3 Claims. (Cl. 74-1.)



1. An adapter for mounting a device on a shaft, comprising a longitudinal sleeve adapted to be slid onto a shaft and having its periphery eccentric to the axis of the sleeve and provided with cylindrical ends and an intermediate longitudinally tapering face, an inner bearing ring engaging said tapering surface, an outer bearing ring surrounding the inner bearing ring, a row of bearing balls interposed between said bearing rings, an eccentric strap which receives said outer bearing ring and which is adapted to be connected with the part to be actuated, housing covers secured to opposite sides of said strap and having central openings which receive the cylindrical parts of said sleeve, and retaining collars secured to opposite ends of said sleeve and engaging the outer sides of said housing covers.

1,513,085. CROSSING SIGNAL. JOSEPH BIGGIE, Erie, Pa. Filed Mar. 1, 1924. Serial No. 696,201. 1 Claim. (Cl. 240-246.)

In a railroad crossing signal, a railroad track rail, a series of spaced transverse cross-ties under said rail, a metallic stirrup placed upon a pair of said cross-ties parallel with and outside of said rail, a base plate mounted on said stirrup parallel with said rail, a fulcrum post on said base plate, a horizontal lever pivoted on said fulcrum post, a shoulder on said lever extending above the upper plane of said rail, means to yieldingly

maintain said lever in a horizontal position, a contact plate on the under side of said lever, a yielding contact

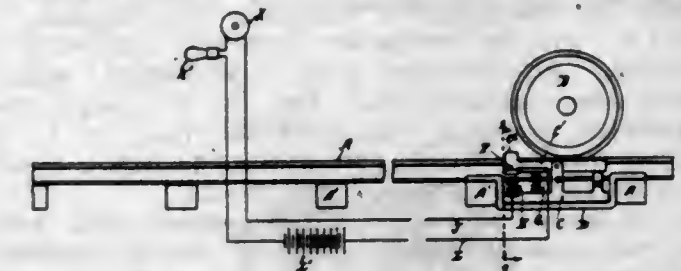
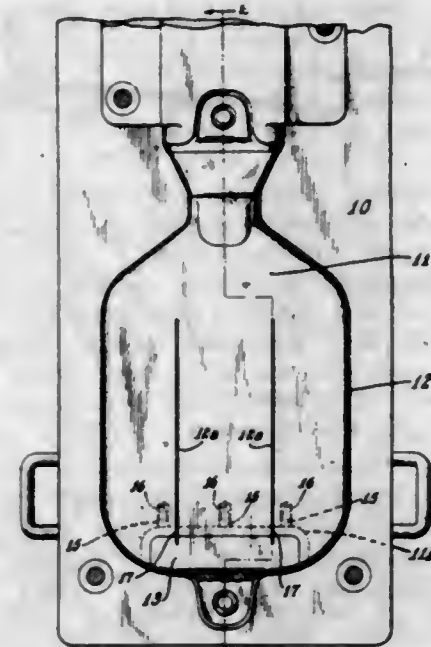


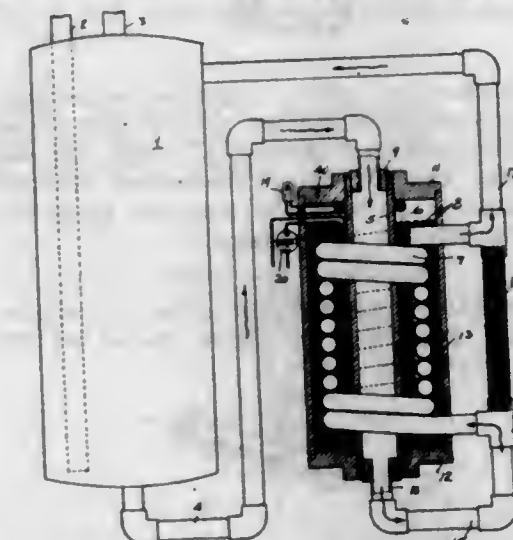
plate mounted on said base plate, an electric signal device, and an electric circuit, including a generator, connecting said contact plates and said signal device.

1,513,086. APPARATUS FOR MAKING HOLLOW ARTICLES. ROBERT L. BRUCK, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,520. 6 Claims. (Cl. 18-35.)



1. Apparatus for making a hollow article having a partition, said apparatus comprising a mold and a sectional mandrel therefor, one section of said mandrel being formed with a slot for molding said partition, and the other section forming a closure for one end of said slot.

1,513,087. ELECTRIC HEATER. CARL H. BUHL and PAUL GILBERT, Cleveland, Ohio, assignors to The National Electric Water Heater Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 29, 1922. Serial No. 547,661. 9 Claims. (Cl. 219-47.)



1. In a device of the character described, the combination of a transformer having a hollow core, a primary coil wound thereon and a hollow secondary coil wound

concentrically about said primary coil, and means adapted to supply a fluid to be heated to the interior of said hollow core and said secondary coil.

1,513,088. PHOSPHORIC-ACID RECOVERY. HARRY WILLIAMS CHARLTON, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Sept. 7, 1923. Serial No. 661,523. 12 Claims. (Cl. 23-1.)

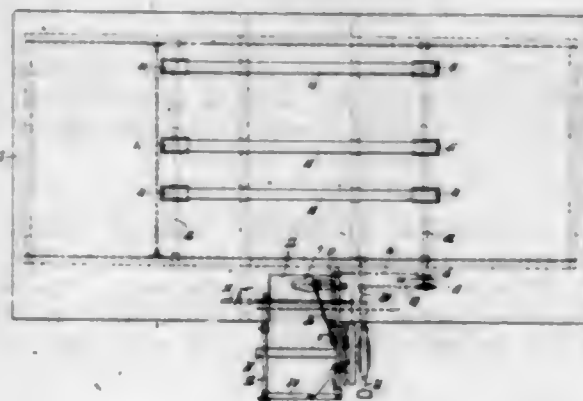
12. A method of pneumatically producing slag wool and recovering phosphoric anhydride which comprises disintegrating a fluid mass of phosphate rock and sand and causing the slag to assume the form of matted threads, and the phosphoric anhydride to be removed in the air currents and recovered therefrom substantially as described.

1,513,089. TRACK LINER. LOUIS P. CHICOINE, Vaudreuil, Quebec, Canada. Filed Mar. 3, 1923. Serial No. 622,710. 18 Claims. (Cl. 254-44.)



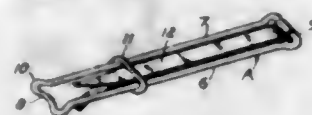
8. In a track liner a fulcrum for a lever consisting of a unitary member adapted to provide an extended bearing for the lever, said member having a flat unobstructed top with a longitudinal depression therein, means hinged upon the member and disposed longitudinally within the depression, said last mentioned means being located entirely below the said top when lying prone upon the fulcrum member, and means for detachably clamping the lever upon the hinged means.

1,513,090. MATTRESS-SIDE-STITCHING MACHINE. FREDERICK W. H. COLLETT, Cambridge, Mass., assignor, by mesne assignments, to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Mar. 31, 1921. Serial No. 457,194. 19 Claims. (Cl. 112-3.)



1. The combination with a mattress supporting table and stitcher mechanism located at one side thereof, of a pair of feed members adapted to clamp the mattress between them, and actuating mechanism whereby the said feed members advance the mattress along the said table past the stitcher mechanism.

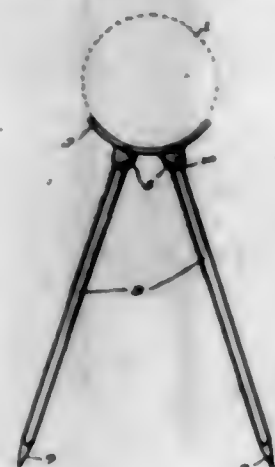
1,513,091. HAIR CURLER. GERTRUDE G. CONDON, Oakland, Calif. Filed Feb. 16, 1924. Serial No. 693,262. 5 Claims. (Cl. 132-41.)



1. A hair curler of the class described, comprising a frame having parallel side bars spaced apart and end bars therefor, a pair of jaws consisting of a single

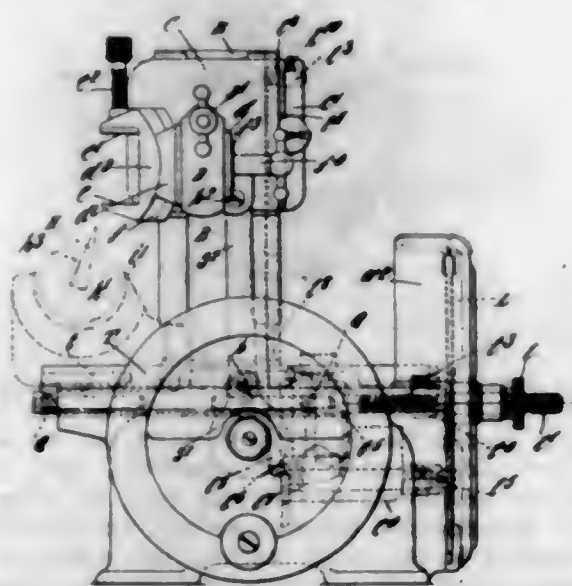
piece of metal pivoted to one of the end bars, and a locking device slidably mounted on the frame and adapted to lock the jaws to the side bars at any point along said jaws.

1,513,092. GOLF-BAG SUPPORT. ROBERT A. DAVIS, Jr., Nampa, Idaho. Filed July 18, 1923. Serial No. 652,804. 2 Claims. (Cl. 150-1.5.)



1. A golf bag, including a band secured to the bag adjacent the mouth thereof, bosses integrally formed on said band and provided with threaded channel portions, legs for supporting said bag, each leg being formed with a reduced threaded end providing a shoulder, whereby the legs may be attached to or removed from the bosses.

1,513,093. MICROTOME. MARK THOMAS DENNE, Edgely, Warrington, England. Filed Oct. 19, 1920. Serial No. 418,060. 13 Claims. (Cl. 88-40.)

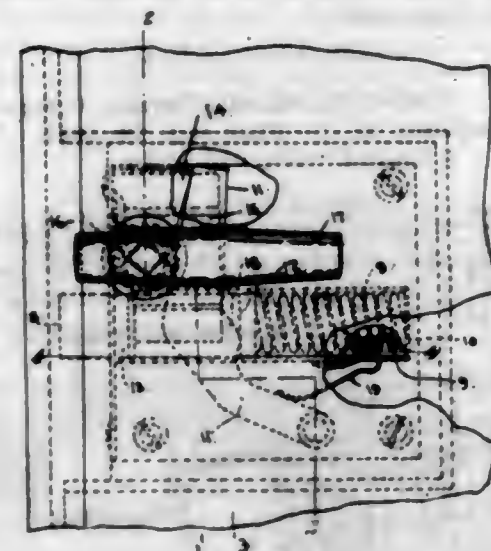


1. In a microtome, the combination with a base, of a post rising therefrom, a carriage held against and slidable vertically on the post, a subject-holder mounted on the carriage, a slide mounted on the base, a knife supported by said slide, a feed screw for feeding the slide, an operating shaft, connections between said shaft and said carriage, and means to actuate the feed screw from said shaft.

1,513,094. DOOR LATCH. WILLIAM C. DEVEREAUX, Detroit, Mich., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 11, 1922. Serial No. 587,444. 9 Claims. (Cl. 292-165.)

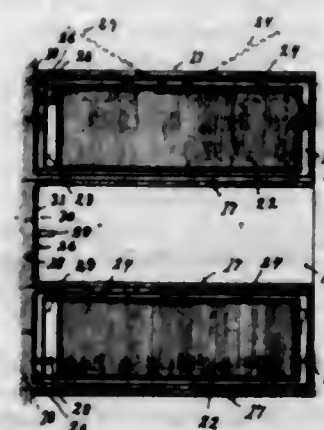
1. In a door latch, the combination with a case plate, of a longitudinally slidable bolt, a cover plate cooperating with said case plate to guide said bolt, said cover plate having a tongue formed therein, a lever pivoted to said

case plate and engageable with said bolt to move the same in one direction, and a substantially U-shaped spring having one end engageable with said lever to



hold the same normally in inoperative position, and the other end engageable with said cover plate, the base of said spring extending around said tongue.

1,513,095. SAFETY-DEPOSIT APPARATUS. OTTO DIECKMANN, Cincinnati, Ohio. Filed Dec. 17, 1921. Serial No. 523,183. 2 Claims. (Cl. 109-12.)



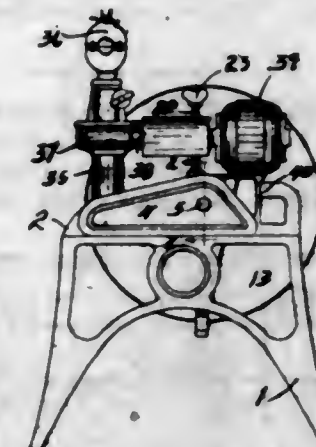
1. A safety deposit apparatus comprising a plurality of safety-deposit cells each cell being provided with a door to be closed and locked across the entrance to said cell, a plurality of insert members to be detachably inserted into the rear ends of the respective cells, and a plurality of safety-deposit boxes detachably inserted into the respective cells in front of said insert members, said insert members and safety-deposit boxes being respectively provided with members to register and interengage in pairs so that only one safety-deposit box will register and interengage with each insert member to permit both the insert member and the safety-deposit box to enter the cell sufficiently for the cell door to be closed and locked thereon.

1,513,096. PRICE-TAG HOLDER. JOHN V. DUNN, New Lexington, Ohio. Filed Dec. 3, 1923. Serial No. 678,264. 1 Claim. (Cl. 40-11.)



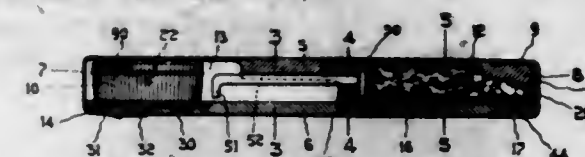
A device of the class described comprising a member having coils at its center for holding a price tag and U-shaped portions at its ends for engaging the eyelets of a shoe.

1,513,097. WASHING-MACHINE DRIVING MECHANISM. HAROLD W. EDEN, Chicago, Ill., assignor to Albright-Dover Company, a Corporation of Illinois. Filed May 26, 1920. Serial No. 384,413. 1 Claim. (Cl. 74-50.)



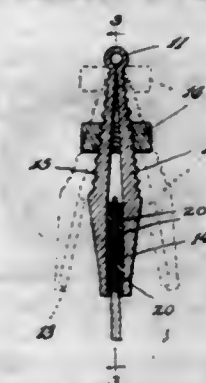
In a washing machine, a rotary drum, a motor supported adjacent one end thereof, a casing attached to the same end of said drum and below said motor, a vertical shaft extending from said casing, a driving connection between said shaft and motor, a horizontal shaft operatively connected with said drum and extending into said casing, a rack within said casing adapted to be reciprocated by said vertical shaft, a gear on said horizontal shaft engaged by said rack to impart alternate rotary motion to said drum, a second vertical shaft projecting from said casing, and a clutch between said gear and drum shaft operated by said second vertical shaft.

1,513,098. TOILET ARTICLE. JOSEPH ENZER, HARRISON H. GIFFORD, and JOSEPH PRESNER, Montreal, Quebec, Canada, assignors, by direct and mesne assignments, of one-third to said Enzer, one-third to said Presner, and one-third to Gerald S. Tritt, Montreal, Quebec, Canada. Replied for abandoned application Serial No. 486,847, filed July 1, 1921. This application filed Apr. 24, 1924. Serial No. 708,705. 13 Claims. (Cl. 132-84.)



11. A toilet article of the type described consisting of a hollow case having an open side and a tooth brush adapted to be mounted in the case in position closing said side, said tooth brush consisting of a unitary member completely separable from the case when in use and equal in length to the length of the opening in said open side and a brush mounted on one end of the member.

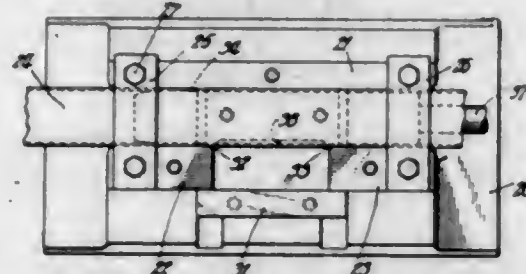
1,513,099. GARMENT SUPPORTER. WILLOUGHBY BERESFORD FOX, Los Angeles, Calif. Filed Nov. 13, 1922. Serial No. 600,492. 1 Claim. (Cl. 24-260.)



A device of the class described comprising a pair of stiff shanks each gradually increasing in thickness from one end to the other forming together a tapering screw,

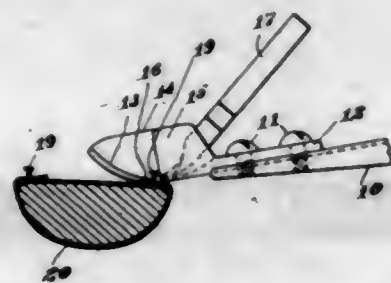
a flexible loop connecting the thin ends of said shanks, the shanks contacting at the thin ends, diverging towards the thick ends, said shanks and loop being of uniform width, grippers at the thick ends of the shanks, holding elements on the opposing faces of the grippers, and a nut having a tapered bore threaded to engage said tapering screw.

1,513,100. MITERING TUBE. CLARENCE H. FREDERICK, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Aug. 10, 1923. Serial No. 656,688. 3 Claims. (Cl. 164-18.)



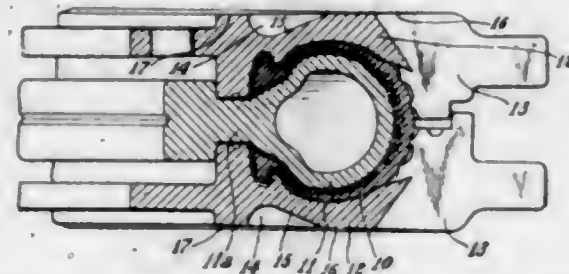
1. The method of forming a V-shaped notch at a point intermediate the length of a tube having a rectangular cross section preparatory to bending same to form an angle or miter therein, which consists in first cutting away one of the side walls of the tube to form a rectangular opening therein, then inserting die means into the tube and then effecting relative movement of said means and external cooperating die means to remove V-shaped sections of metal from the opposite walls of the tube adjoining said opening.

1,513,101. TACK-PULLING DEVICE. LOUIS G. FREEMAN, Cincinnati, Ohio, assignor to Louis G. Freeman and Charles F. Freeman, as trustees, both of Cincinnati, Ohio. Filed June 7, 1922. Serial No. 566,524. 3 Claims. (Cl. 12-16.)



1. In an improved tack pulling device, the combination of a guard, a curved path formed at one end thereof, a slot in said curved path and extending transversely of the length thereof, and means movable along said curved path and across the slot for withdrawing fastening tacks from shoes.

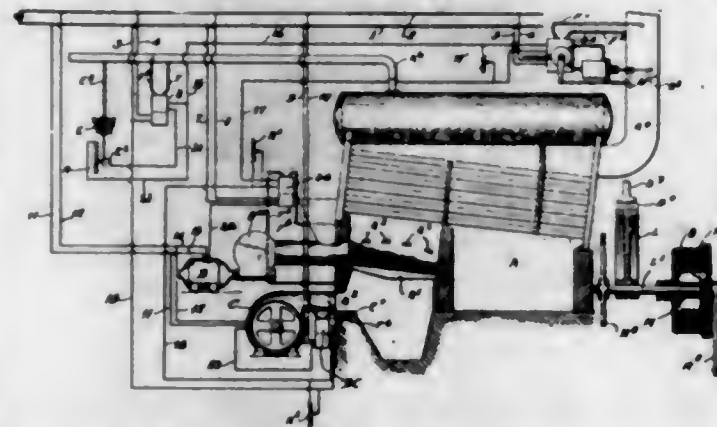
1,513,102. METHOD OF MOLDING AND VULCANIZING PNEUMATIC-TIRE CASINGS. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 30, 1921. Serial No. 488,504. 8 Claims. (Cl. 18-56.)



1. The method of molding and vulcanizing pneumatic tire casings which comprises heating the tire on a rigid core in a mold having a cavity of the shape of the tire, maintaining the mold partly open but bearing lightly

upon the tire in sealed relation thereto while venting the sides of the molding cavity, until the rubber has softened and taken the shape of said cavity, and vulcanizing the tire while substantially all of its portions are under compression in the mold.

1,513,103. COMBUSTION CONTROL. GEORGE H. GIBSON, Montclair, N. J. Filed Oct. 19, 1920. Serial No. 418,087. 8 Claims. (Cl. 236-14.)



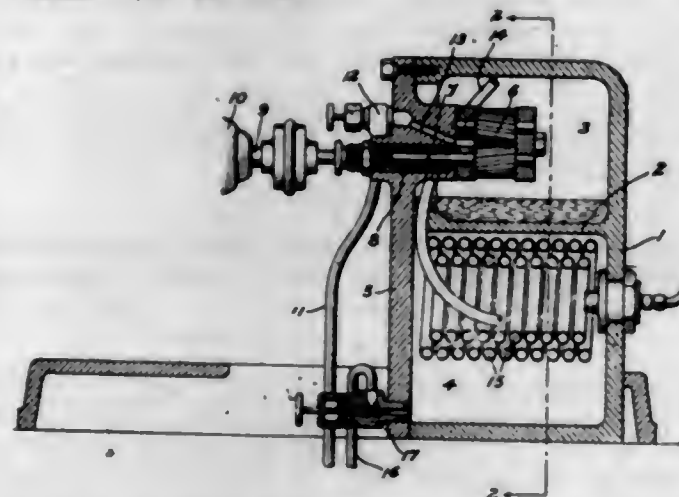
2. The combination in a furnace having a furnace chamber a burning fuel bed therein, and an inlet thereto for primary air, and an inlet thereto for secondary air, of means jointly responsive to the volume of draft and to the resistance of the fuel bed to flow therethrough for maintaining a predetermined ratio between the resistance to flow through the fuel bed and the resistance to flow through said secondary air inlet.

1,513,104. TOOTHBRUSH. CLAYTON H. GRACEY, Detroit, Mich. Filed Jan. 2, 1923. Serial No. 610,336. 2 Claims. (Cl. 15-167.)



1. A tooth brush comprising a head, bristles extending from lateral faces thereof, a handle connected to one end of the head by a portion arched sufficiently to clear the teeth and to permit freedom of movement of the bristles upon the inner faces of the teeth, said head and handle lying below the arched portion.

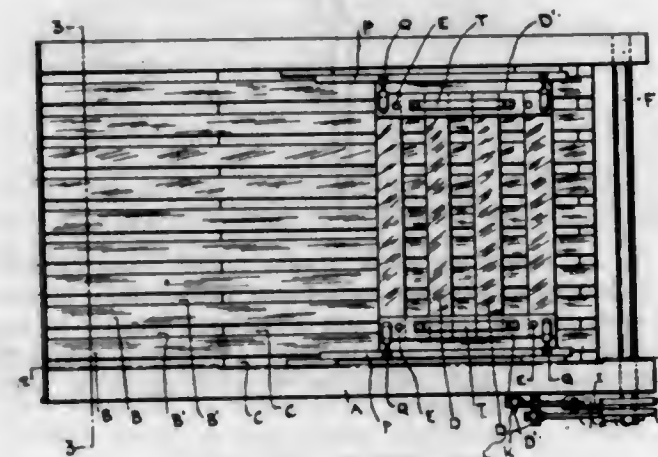
1,513,105. REFRIGERATING MACHINE. MELVIN SOLOMON GROS, Toronto, Ontario, Canada, assignor to Joseph Mercadante, New York, N. Y. Filed Feb. 3, 1922. Serial No. 533,905. Renewed June 11, 1924. 2 Claims. (Cl. 62-116.)



1. In a refrigerating machine, a gas tight casing having a substantially horizontal partition extending across the interior of the same and dividing the casing into pump and condensing chambers, one side of the casing be-

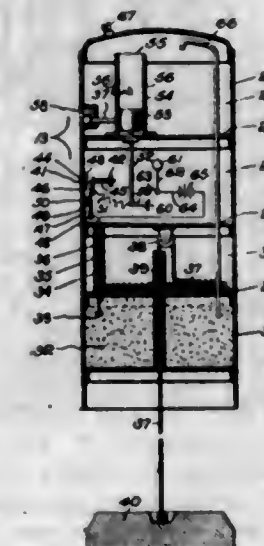
ing open, a detachable closure plate having an inwardly extending pump supporting boss formed integrally therewith extending into the pump chamber constituted in the casing, said closure plate closing the open side of the casing and said boss having a refrigerant fluid passage-way and pump drive shaft orifice extending therethrough, and means for establishing communication between the pump and condensing chambers.

1,513,106. FEEDING MECHANISM FOR SHEET MATERIAL. HORACE F. GRUMAN, Jackson, Mich. Filed May 15, 1922. Serial No. 561,182. 11 Claims. (Cl. 271-2.5.)



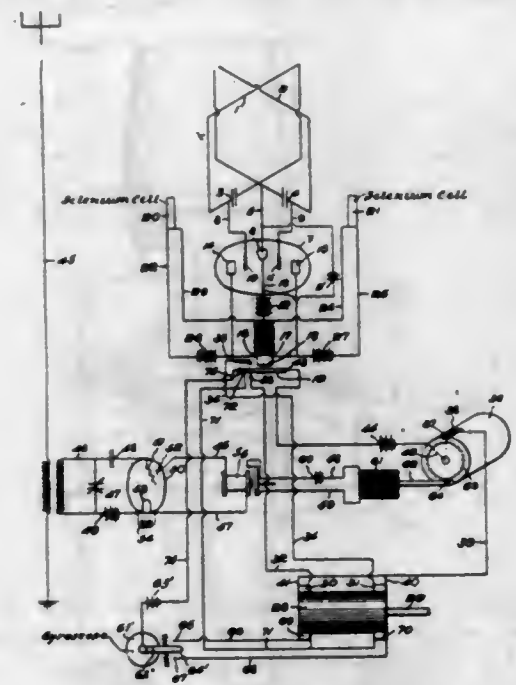
1. In a feed mechanism, the combination with a work supporting table, of upper and lower feed members for engaging work upon said table, pins projecting from one of said members, establishing a drive to the other member as regards movement parallel to the work supporting face of the table, and forming guides for the other members as regards movement of said members to or from each other, means for reciprocating the pin carrying member parallel to the work supporting face, and means for actuating the feed members to and from each other.

1,513,107. RADIODYNAMIC MINE PLANTER. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Nov. 5, 1913. Serial No. 799,413. Renewed July 24, 1923. 18 Claims. (Cl. 102-3.)



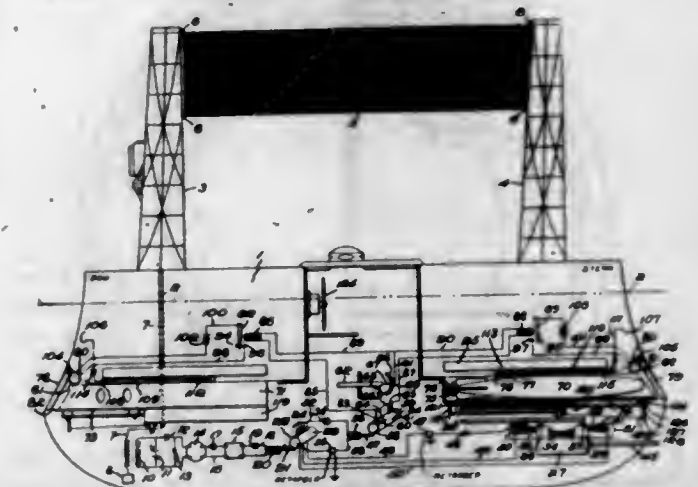
1. A submarine mine comprising, in combination, a receptacle adapted to contain an explosive substance, detonating means therefor, means active upon mine-replacement to render said detonating means potential, and means to neutralize said explosive.

1,513,108. SYSTEM FOR CONTROL OF MOVING BODIES BY RADIANT ENERGY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed June 6, 1914. Serial No. 843,562. Renewed July 24, 1923. 40 Claims. (Cl. 114-21.)



1. A system for the control of moving bodies at a distance by radiant energy, comprising in combination, a body having means to maintain a predetermined or definite direction of bodily movement thereof, and also having means for directing said body toward a source of interfering radiant energy, means for automatically terminating the control of said body by said first mentioned means upon energization of said second mentioned means, and means responsive to radiant energy to terminate the movement of said body toward said source of interfering radiant energy.

1,513,109. SYSTEM OF TORPEDO CONTROL. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Sept. 29, 1914. Serial No. 864,161. Renewed July 24, 1923. 31 Claims. (Cl. 114-18.)

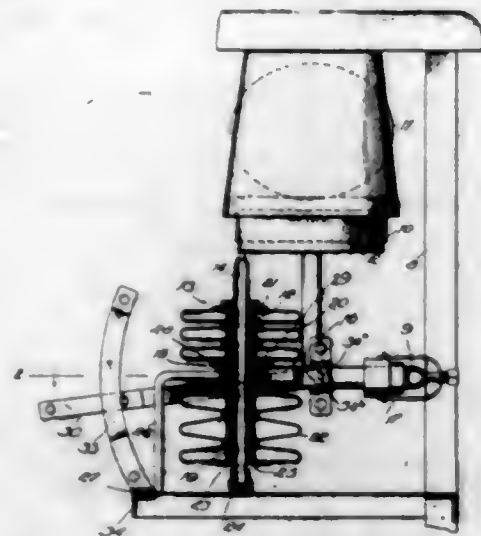


1. A movable carrier adapted to receive a body to be discharged therefrom, fluid-controlled means for discharging said body, and a gyroscope for governing the action of said fluid-controlled means.

1,513,110. OIL BURNER. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed May 19, 1920. Serial No. 382,524. 10 Claims. (Cl. 158-42.)

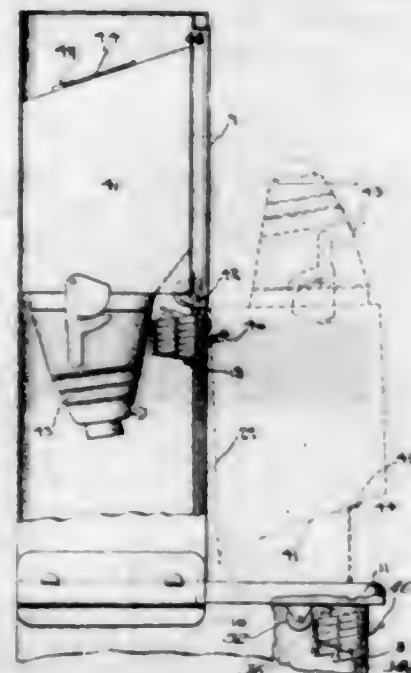
1. In an oil stove, the combination with a supply pipe and a burner bowl, a tubular stem depending from the bowl, a sleeve surrounding said stem, a tubular

member surrounding said sleeve, two sets of bellows diaphragms connecting said tubular member with the opposite ends of said sleeve, one of said diaphragms being



In communication with said stem and both of said diaphragms being in communication with each other, and means for raising and lowering the burner.

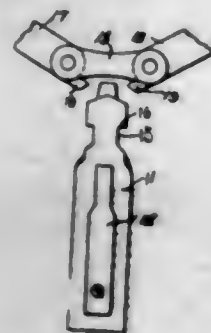
1,513,111. KITCHEN CABINET. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,338. 2 Claims. (Cl. 45-16.)



1. A kitchen cabinet having upper and lower intercommunicating compartments, the lower compartment having an opening to be closed, a flour bin in the upper compartment having at its lower end a downwardly tapering portion depending into the lower compartment, said bin being mounted upon a fixed pivot so as to swing forwardly into an inverted position in front of the lower compartment, a pair of straight upright guide-ways at opposite side edges of the opening, and a shutter comprising a plurality of leaves operatively connected together so as to be movable from an extended relation across the opening into a compact stack one upon the other at the upper edge of the opening, certain of the leaves having guide studs operable in said guideways and located at the lower or forward edges of the leaves whereby the latter when in collapsed relation extend rearwardly from the opening wholly with-

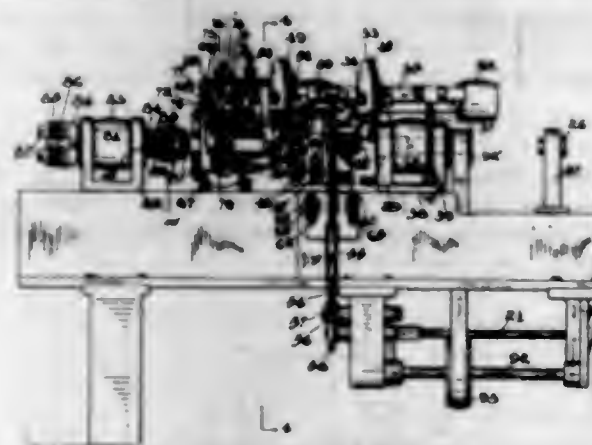
in the compartment, and said leaves being relatively narrow so that in their last mentioned relation they occupy a position forwardly of the tapering lower end portion of the bin.

1,513,112. SUPPORTING DEVICE FOR AXMINSTER TUBE FRAMES. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Aug. 10, 1922. Serial No. 580,892. 4 Claims. (Cl. 139-9.)



1. In an Axminster loom, a tube frame, hangers therefor, transporting chains, detachable connections between said hangers and chains, and additional means to support said tube frame and prevent accidental separation of said hangers and chains as the tube frame is transported by said chains.

1,513,113. WOOD-TURNING MACHINE. MAUNSELL R. JACKSON, Toronto, Ontario, Canada, assignor of thirty-three per cent to Thomas Cameron Bate, thirty-three per cent to Edward McMahon, twenty-nine per cent to Philip D. Lyons, and five per cent to Alexander Pierpont Deroche, all of Ottawa, Ontario, Canada. Filed Dec. 22, 1922. Serial No. 608,577. 14 Claims. (Cl. 142-54.)

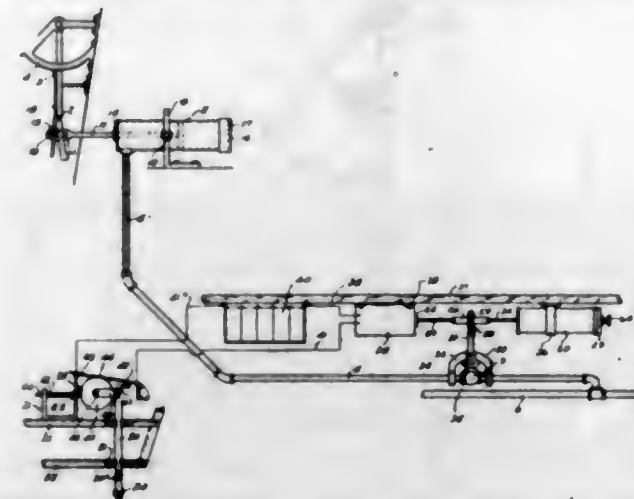


1. In a wood turning machine, pulley mechanism for a turned stick comprising a guide for the stick; a plurality of angularly set idle friction rollers adapted to engage the periphery of the stick; and rotary means frictionally engaging the stick to turn the same while permitting its longitudinal motion.

1,513,114. AUTOMATIC TRAIN-CONTROL SYSTEM. SAMUEL P. JOHNSON, Longacre, W. Va. Filed Apr. 17, 1922. Serial No. 553,567. 5 Claims. (Cl. 246-188.)

2. In an automatic train stop, the combination with an air brake system and a throttle lever having an air motor adapted to close it, of automatic track trip controlled means to draw off air from the drain pipe and use it to close the throttle lever, comprising a branch pipe leading from the air brake system to said lever motor, a normally closed valve in said pipe, and an opposed electro-magnet and spring operably connected to the said valve, a circuit comprising a source of current and a circuit breaker, said circuit being normally closed

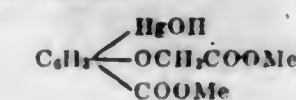
and said magnet being adapted to hold said valve normally closed against the resistance of said spring tending to open it, track trip operated means to open said



circuit and permit the spring to open said valve and admit air exhausted from the air brake system to operate said motor and close said throttle.

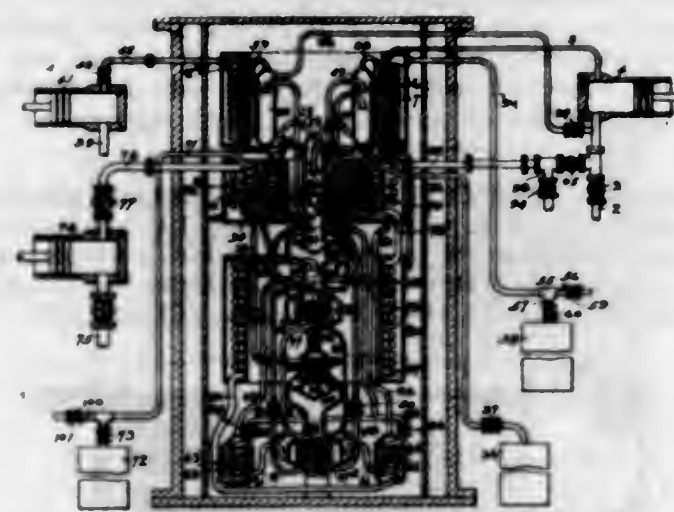
1,513,115. COMPOUND OF MERCURY AND PROCESS OF PRODUCING THE SAME. LUCAS P. KYRIDES, New York, N. Y., assignor to Parke, Davis & Company, Detroit, Mich., a Corporation of Michigan. Filed July 11, 1921. Serial No. 483,713. 18 Claims. (Cl. 260-13.)

12. As new products, the derivatives of mercury-sally-oxy acetic acid, the dimetallic salts of said acid having the following formula:



where Me represents a monovalent metallic atom.

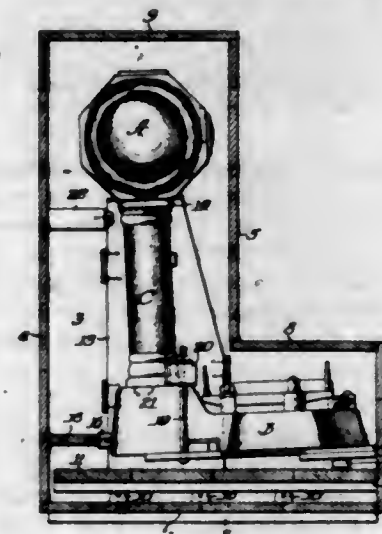
1,513,116. APPARATUS FOR PRODUCTION OF OXYGEN AND NITROGEN. JAMES G. LAFPERTY, Coropolis, Pa. Filed Mar. 22, 1919. Serial No. 284,308. Renewed Mar. 30, 1923. 2 Claims. (Cl. 62-122.)



1. In apparatus for the production of oxygen and nitrogen, the combination of a chamber for containing liquefied air, a coil in said chamber, means for delivering compressed air to said coil, means for delivering liquefied air to said chamber, a spraying device in said chamber whereby the nitrogen freed from said liquefied air in said chamber meets the liquefied air from said spray to free the nitrogen in the liquid air discharged from said spray, a second chamber for liquefied air communicating with said first chamber, means for regulating the flow of liquid from said first chamber

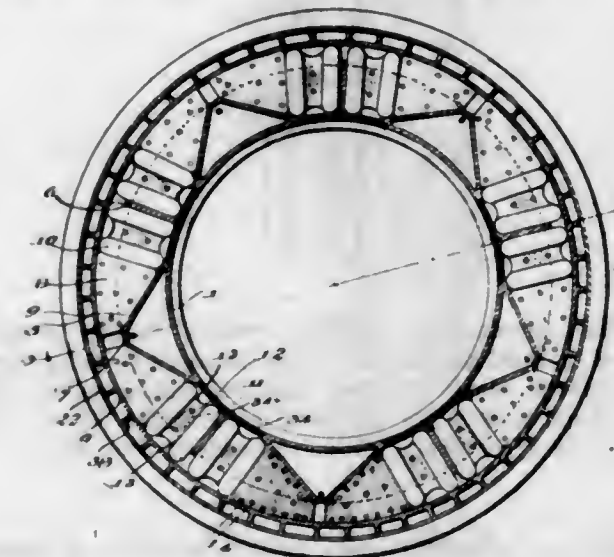
to said second chamber, a condenser in the path of the flow of the liquid from said first chamber to said second chamber whereby the argon is freed from said liquefied air, a spraying device below said condenser, and means for vaporizing the oxygen in said second chamber.

1,513,117. SHIPPING CRATE FOR SCALES. GEORGE H. LUDLOW, Evanston, and DONALD W. ADAMS, Chicago, Ill., assignors to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 3, 1923. Serial No. 678,339. 24 Claims. (Cl. 217-52.)



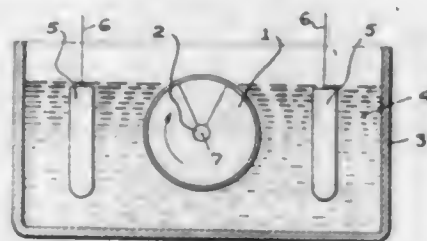
1. In a shipping crate for weighing scales, supports constructed to receive and engage an upper portion of a scale and pendulously suspend the scale with its bottom above the base of the crate, and means for engaging the scale in directions to limit the pendulous action of the scale in its said supports.

1,513,118. RESILIENT WHEEL. FRANK JOSEPH MCNEELY, Clarkdale, Ariz. Filed May 25, 1923. Serial No. 641,460. 5 Claims. (Cl. 152-36.)



4. In a resilient wheel, an inner rim having a plurality of spaced apart outwardly extending substantially inverted V-shaped radial guides on its outer periphery and having a normally closed opening located midway between each two adjacent guides, a second rim adapted to be disposed in encircling spaced relation to said inner rim, a pair of slide blocks on each guide, and resilient cushion blocks disposed between adjacent pairs of slide blocks and urging the slide blocks outwardly on the guides into engagement with the inner periphery of the second rim, said cushion blocks being adapted to be moved from the inner rim inwardly through the openings through the walls thereof when the closures of said openings have been removed.

1,513,119. ELECTRODEPOSITED ARTICLE AND METHOD OF MAKING THE SAME. CHARLES P. MADSEN, New York, N. Y., assignor to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 15, 1919. Serial No. 317,656. Renewed Jan. 21, 1924. 15 Claims. (Cl. 204-14.)



1. A method of electrodepositing metals which comprises rotating the cathode at such an angular velocity and with such a portion of the same exposed to a gaseous medium that successive portions of the electrodeposited metal will be exposed to said medium more than a predetermined "minimum" period, so as to permit the hydrogen in the deposited metal to be dissipated.

1,513,120. PHONOGRAPH RECORD AND METHOD OF PRODUCING THE SAME. CHARLES P. MADSEN, New York, N. Y., assignor to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed June 14, 1920. Serial No. 388,897. Renewed Jan. 21, 1924. 13 Claims. (Cl. 204-14.)

1. As an article of manufacture, a record having a record surface of "nickel metal."

1,513,121. ANCHOR FOR SAFETY HARNESS. ARTHUR E. MILLIES, Milwaukee, Wis. Filed May 3, 1921. Serial No. 466,568. 3 Claims. (Cl. 20-72.)



1. The combination with a window frame provided with an inclined recess, of a tang disposed in said recess, an apertured plate attached thereto, and a screw passing through said plate and into said frame on an axial line angularly deviating from the axis of the tang.

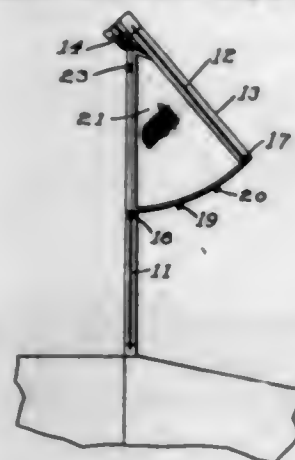
1,513,122. PROCESS OF VULCANIZING RUBBER. YASUJURO NIKAI, Bay City, Mich., assignor to Michigan Chemical Company, a Corporation of Michigan. Filed May 5, 1921. Serial No. 466,990. 2 Claims. (Cl. 18-53.)

1. Process for vulcanizing rubber consisting in treating it with sulphur and a metallic salt of a dithiocarbamic acid.

1,513,123. WINDSHIELD SCREEN FOR AUTOMOBILES. DANIEL O'CONNELL, Worcester, Mass. Filed July 10, 1923. Serial No. 650,679. 3 Claims. (Cl. 206-94.)

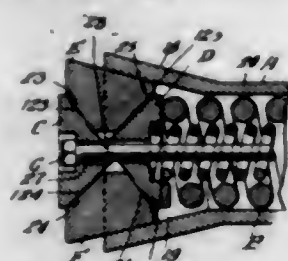
1. A screen for a two-part automobile wind shield comprising an elongated sheet of screen fabric, a substan-

tially rigid frame for said fabric, and grooved members disposed along opposite edges of said frame and fitting the adjacent upper and lower edges of the wind shield



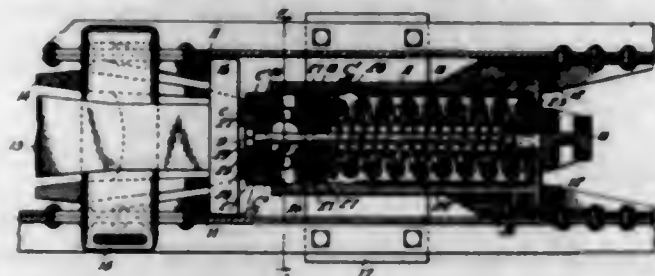
sections, said grooved members forming the entire support of said frame and screen along the longitudinal edges thereof.

1,513,124. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 6, 1920. Serial No. 379,326. Renewed Apr. 17, 1922. Serial No. 553,932. 7 Claims. (Cl. 213-32.)



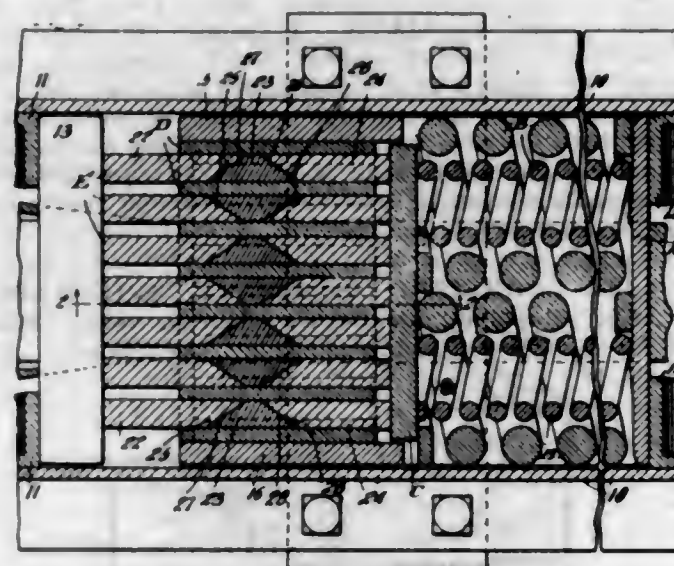
3. In a friction shock absorbing mechanism, the combination with a friction shell of substantially rectangular outline in transverse section, said shell being provided on its interior with four inwardly converging friction surfaces; of an outer wedge having a pair of friction wedge surfaces on its inner side extending at different angles with respect to the axis of the shell; an inner wedge having a pair of wedge surfaces on its outer side, the same extending at different angles with respect to the axis of the shell; a pair of diagonally disposed friction shoes cooperable with the shell and said wedges; and a spring resistance interposed between said inner wedge and the shell.

1,513,125. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 12, 1920. Serial No. 395,459. Renewed Apr. 10, 1924. 13 Claims. (Cl. 213-32.)



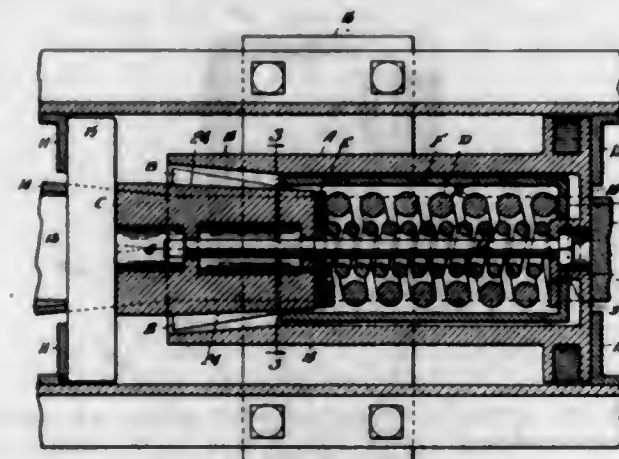
13. In a friction shock absorbing mechanism, the combination with a friction shell having interior longitudinally extending friction surfaces; of a spring; opposed friction shoes frictionally cooperable with the surfaces of said shell; an outer element; and an inner element, each of said elements having keen angle wedging engagement with a shoe and blunt releasing angle engagement with an opposed shoe.

1,513,126. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 27, 1921. Serial No. 525,015. Renewed Apr. 10, 1924. 8 Claims. (Cl. 213-33.)



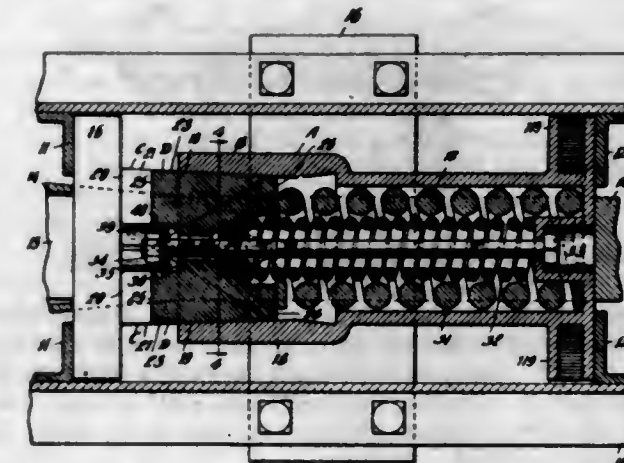
1. In a friction shock absorbing mechanism, the combination with a column-load-sustaining member; of a spring resistance; a plurality of relatively stationary friction plates mounted on said member and freely responsive to pressure applied transversely thereof; and relatively longitudinally movable friction plates intercalated with said stationary plates, said movable friction plates each comprising a plurality of sections longitudinally aligned and having cooperable wedge faces to thereby augment the effective over-all thickness of the movable friction plates when actuating load is applied lengthwise thereof.

1,513,127. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,565. 8 Claims. (Cl. 213-36.)



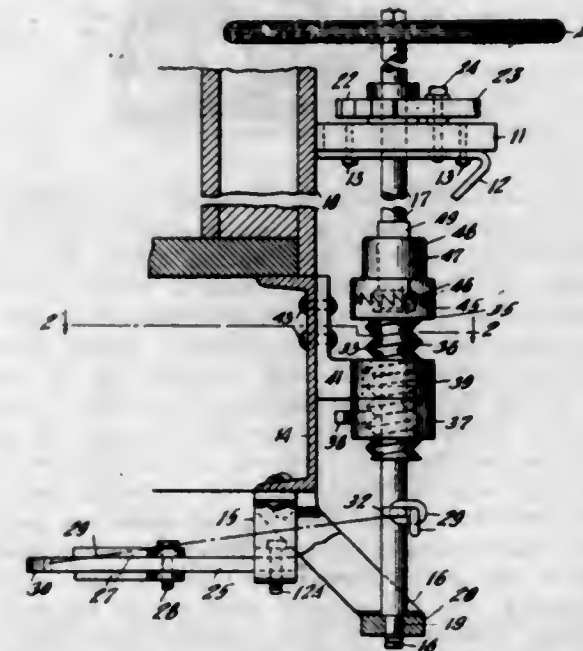
1. In a friction shock absorbing mechanism, the combination with a shell; of a plurality of friction gripping elements having wedge engagement with the shell; a pressure-transmitting friction plunger interposed between and cooperable with said gripping elements; a spring interposed between said plunger and the shell; a second spring arranged at one end to directly resist movement of said plunger relatively to the shell; and means interposed between the opposite end of said last named spring and the gripping elements, arranged to normally urge the gripping elements against the plunger.

1,513,128. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 22, 1922. Serial No. 608,894. 10 Claims. (Cl. 213-32.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having a plurality of independent interior friction surfaces; of a spring resistance; an outer series of pressure transmitting friction shoes, opposed shoes of said series having relatively inwardly diverging wedge faces; and an inner series of friction shoes, each having a pair of wedge faces and each of said shoes coacting with two of said friction surfaces, and each face of said pair co-acting with one of said opposed diverging wedge faces of said outer shoes.

1,513,129. HAND BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 30, 1922. Serial No. 609,787. 15 Claims. (Cl. 74-120.)

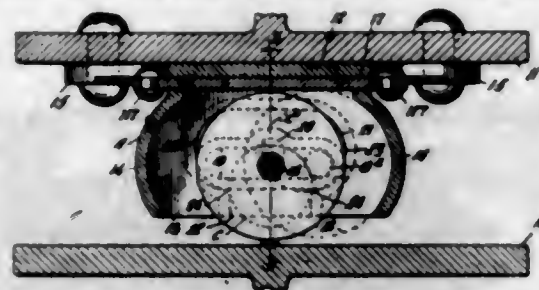


1. In a hand brake, the combination with a rotatable brake staff; of means for limiting the revolutions thereof to a predetermined number, said means being substantially permanently associated with said staff and being adjustable to progressively vary the number of revolutions of said staff.

1,513,130. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 5, 1923. Serial No. 649,422. 3 Claims. (Cl. 64-64.)

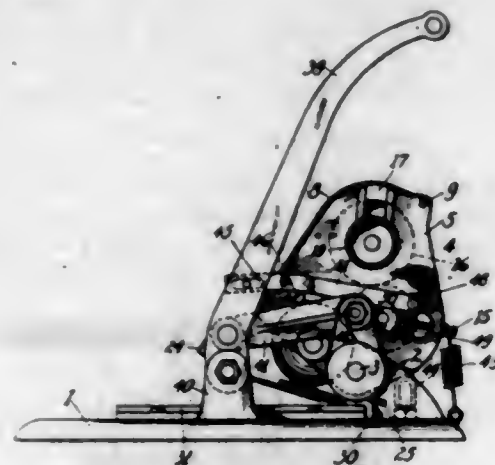
1. In an anti-friction bearing, the combination with a housing adapted to be secured to a bolster or the like; of an anti-friction element proper disposed within

said housing and adapted for rolling movement in either direction from central position; a pivotal projection carried by and bodily movable with said element; a counterweight eccentrically and pivotally carried by said projection; and opposed symmetrically arranged ledges



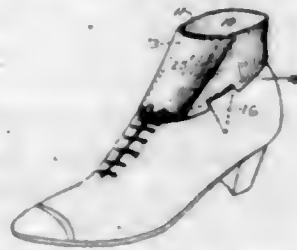
on said housing, cooperable with said counterweight, said ledges being spaced apart at the center of said housing so that said counterweight normally lies therebetween and is tiltably elevated onto one of said ledges when the anti-friction element is moved to either side of central position.

1,513,131. ADDRESSING MACHINE. CLINTON D. PALMER, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Oct. 8, 1921. Serial No. 506,246. 10 Claims. (Cl. 101-40.)



1. An addressing machine having, in combination, a base carrying a platen; a housing pivoted to the base; an impression roller, a distributing roller, and an ink roller in the housing; a stencil holder pivoted on the base above the platen; a handle pivoted to the base; a crank arm connected to the housing; a link connecting the handle to the crank arm whereby in the forward swing of the handle the housing is tilted to press the impression roller against an article lying on the platen; a pawl and ratchet for rotating the distributing roller; a link connected to the handle for operating said pawl; a cam connected to the distributing roller; a projection on the housing engaging said cam; a hand crank connected to the distributing roller; and a link connecting the housing and the stencil holder and providing for downward movement of the housing after the stencil holder is in contact with an article on the platen.

1,513,132. HOSE GUARD. REBEKAH E. RANEY, San Francisco, Calif. Filed Dec. 24, 1923. Serial No. 682,518. 4 Claims. (Cl. 36-70.)



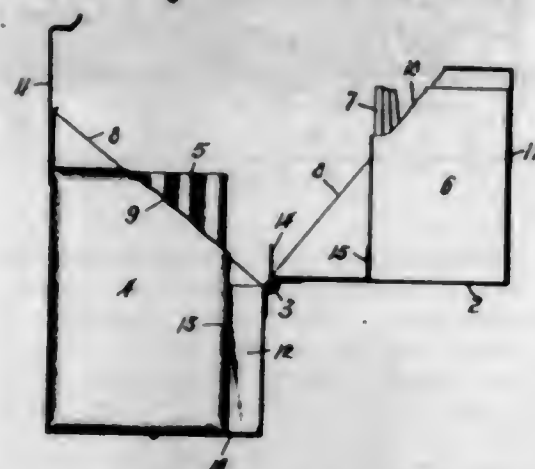
1. A hose guard, comprising a strip of flexible material cut to encircle the ankle above the shoe top, and having tongues extending from the lower edge thereof

adapted to slip within the shoe, and the remaining lower edge adapted to overlap the entire outside upper edge of the shoe, the said edge of the latter supporting the guard on the shoe.

1,513,133. METHOD OF TREATING ASPHALT. ANDREW J. ROWLAND, Cincinnati, Ohio. Filed Sept. 30, 1920. Serial No. 413,770. 1 Claim. (Cl. 196-74.)

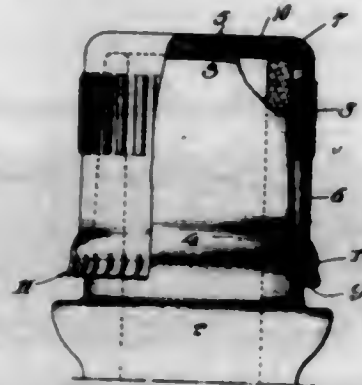
The herein described process which consists in first heating the asphalt to a temperature of about 300° F., then blowing air therethrough at that temperature for from three to twenty-four hours, then boiling the asphalt in dilute hydrochloric acid solution and then washing said asphalt by boiling it in clear water and then heating said asphalt to about 300° F.

1,513,134. COMBINED CIGARETTE AND MATCH CASE. ROBINSON P. SEARLE, Toledo, Ohio. Filed Feb. 8, 1924. Serial No. 691,336. 7 Claims. (Cl. 206-48.)



1. A combined cigarette and match case having body and cover members hinged together and meeting along an inclined line, one member being adapted to hold a plurality of cigarettes and the other to hold a plurality of matches with the inclined meeting line of the members intersecting some, at least, of the cigarettes and matches.

1,513,135. CATCHUP CAP. JAMES STERLING B. SMITH, Brooklyn, N. Y. Filed Jan. 11, 1923. Serial No. 611,937. 15 Claims. (Cl. 215-38.)



1. A cap having a depending skirt having an annular shoulder receiving recess functioning as a holding element, the skirt below the recess having a crimped edge inclined outwardly whereby on the insertion of a coin the cap may be removed and thereafter snapped on.

1,513,136. INDEX TAB. LOUIS STEIN, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 605,364. 2 Claims. (Cl. 40-23.)

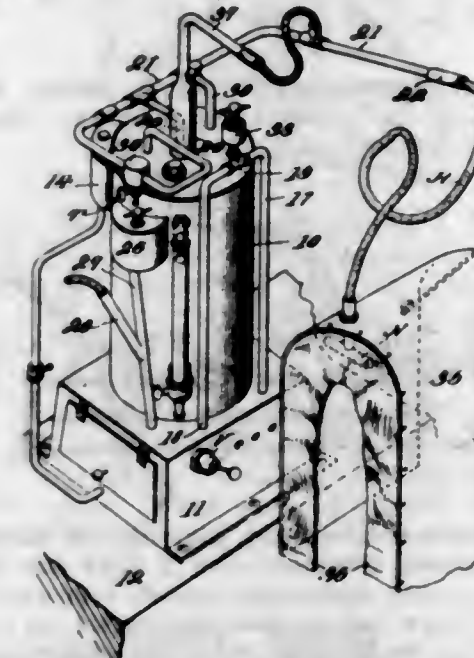
1. An index tab formed from a sheet of celluloid, a backing sheet of substantially the same size as the celluloid sheet and secured thereto along parallel edges by stitching, said sheets being bent upon themselves substantially midway between their fastened edges and the backing being provided with a gummed surface to enable it to be secured to the leaf or sheet of a filing folder

or the like, the stitching at the said opposite edges of the sheet permitting the celluloid to bulge away from



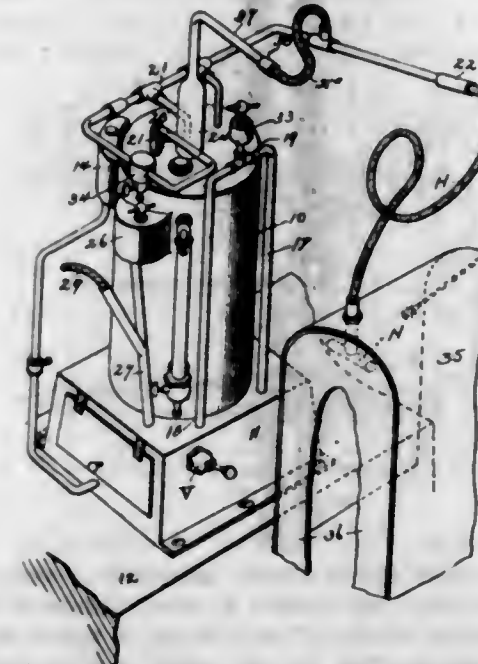
the backing so as to form pockets adapted to receive index tabs on one or both sides of the leaf to which the tab is attached.

1,513,137. APPARATUS FOR FUMIGATING TREES, PLANTS, AND OTHER VEGETATION. SIGMUND TARNOK, Macon, Ga., assignor, by mesne assignments, to Tarnok, Inc., a Corporation of Louisiana. Filed Aug. 15, 1923. Serial No. 657,631. 27 Claims. (Cl. 43-125.)



9. A fumigating apparatus comprising a steam generator, a discharge pipe for steam generated thereby, a chemical vaporizing cup open to the atmosphere, means for supplying chemical thereto, means converting said chemical into a smoke-like smudge and a conduit leading from said cup to said discharge pipe.

1,513,138. METHOD OF FUMIGATING. SIGMUND TARNOK, Macon, Ga., assignor to Tarnok, Incorporated, New Orleans, La., a Corporation of Georgia. Filed Nov. 19, 1923. Serial No. 675,775. 15 Claims. (Cl. 43-124.)



5. The method of treating plants comprising producing an oily hydrocarbon smudge by heat without combustion of the smudge producing ingredients and causing the smudge to adhere to growing plants.

1,513,139. METHOD FOR THE DISPERSION OF GUM INTO A COLLOIDAL SUBSTANCE. HARLAN L. TRUMBULL and JOHN B. DICKSON, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,784. 26 Claims. (Cl. 134-1.)

20. The method of dispersing rubber into a colloidal substance which comprises forming a viscous paste of said substance with a solvent, dispersing the rubber into said paste by mastication while maintaining said paste as a continuous phase, and thereafter thinning the mass with a solvent of said substance until the product is substantially liquid.

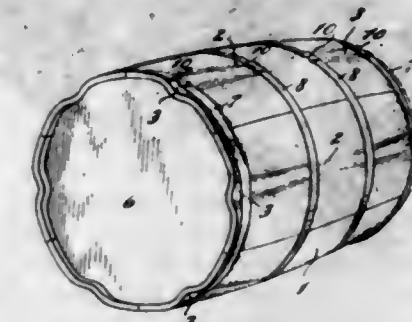
26. As a new composition of matter, a colloidal mixture of rubber and a hydrophilic colloid produced by mastication of the two in plastic form, the rubber being dispersed in a continuous phase comprising said colloid, and the ratio of rubber in the mixture being substantially the same as in natural rubber latex.

1,513,140. SIGNALING DEVICE. WILLIAM L. WALKER, New York, N. Y. Filed Oct. 25, 1920. Serial No. 419,400. 20 Claims. (Cl. 177-356.)



5. A signaling device comprising a tubular member and means within the same providing diametrically opposed vibratory elements disposed closely adjacent to the inner surface of the tubular member and extending longitudinally of the member.

1,513,141. PAPER-BOARD BARREL AND METHOD OF MAKING SAME. MERRILL WATSON, East Orange, N. J., and HERBERT J. SMITH, New Haven, Conn., John H. Watson, administrator of said Merrill Watson, deceased, assignors to American Fibre Co., a Corporation of Delaware. Filed Aug. 22, 1922. Serial No. 583,553. 5 Claims. (Cl. 229-67.)

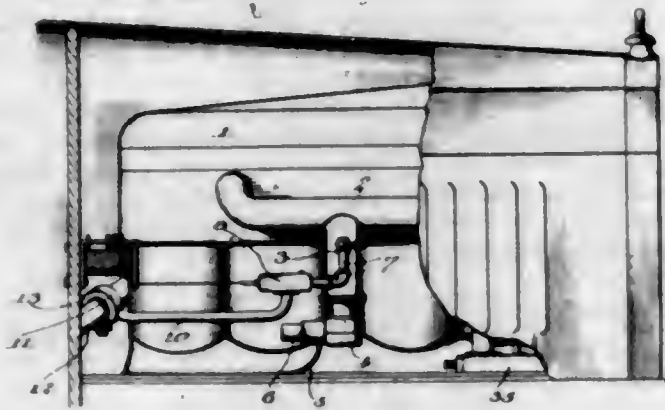


1. A barrel comprising a plurality of adjoining staves, each formed from a blank of paperboard and having a depression in its outer wall and a transverse bend adjacent each end, each of said bends providing a groove at the inner side of the barrel and a raised rib at the outer side thereof, heads seated in said grooves in the adjoining staves, metallic fastening hoops surrounding the barrel to maintain the staves and heads in fixed relation, said hoops overlying the ribs in position opposite the heads, and fastening devices securing the ends of the hoops located in position opposite one or more of the said depressions in the staves.

1,513,142. AUXILIARY AIR SUPPLY. HENRY GRADY WEBB, Atlanta, Ga. Filed Nov. 23, 1922. Serial No. 602,913. 1 Claim. (Cl. 123-124.)

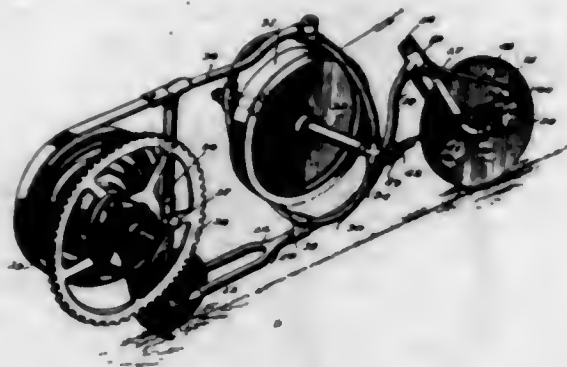
In an internal combustion engine provided with an electric generator, an intake manifold, a conduit for supplying auxiliary air to said manifold, a hollow mem-

ber for connecting the conduit with the intake manifold, a plug for closing one end of the hollow member and provided with a central passage, a valve stem slidably mounted in the passage in the plug, a restricted discharge passage at the other end of the hollow member, adjustable means projecting into the passage for varying the flow of air to said restricted passage, a valve on the stem adapted to engage the inner end of the re-



stricted passage for controlling the flow of auxiliary air to the manifold from said conduit, a magnet connected with the electric generator of the engine, an arm pivoted relative to said magnet and connected with the movable armature of said magnet whereby when the magnet is energized by the generator said arm is oscillated, means connecting the oscillating arm with the valve stem, and means included in the last named means for adjusting the position of the valve relative to the seat.

1,513,143. GYROSCOPIC-CONTROLLED WHEELED TOY. EDWARD FRANCIS WELCH, PETER EUGENE FRANKOW, and JOHN FRANKLIN PHILLIPS, Balboa, Canal Zone, Panama. Filed Dec. 6, 1922. Serial No. 605,233. 4 Claims. (Cl. 46-48.)

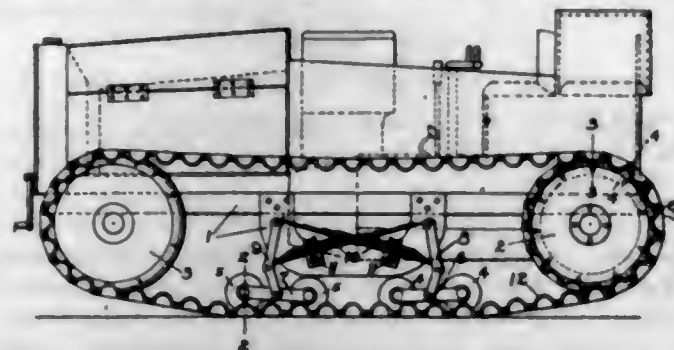


2. In a toy vehicle, a single rigid frame, two wheels rotatably mounted on the frame, the planes of the wheels lying in the longitudinal axis of the frame, one of said wheels constituting a steering wheel and the other of said wheels constituting a driving wheel, means for actuating the driving wheel, and a gyroscope mounted on the frame, and motion transmission means between the gyroscope and the steering wheel including an adjustable connecting rod whereby the stability and balance of the toy is preserved and the course of the toy may be varied if desired.

1,513,144. TRACTION MECHANISM FOR TRACTORS. SAMUEL K. WELLMAN, Cleveland, Ohio. Filed Mar. 18, 1921. Serial No. 453,278. 13 Claims. (Cl. 305-10.)

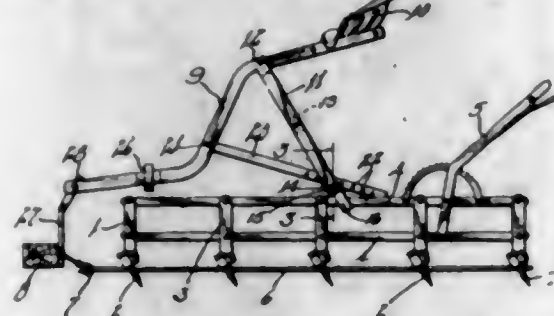
1. In a traction mechanism for tractors, the combination with an endless ground-engaging belt having articu-

lated links of which each has a flat longitudinally extending central part and elevated side parts which are recessed on their under sides to afford a grouser action,



of a driving sprocket wheel having engagement with the belt links only through the wheel sprockets and said elevated side parts of the belt links.

1,513,145. HARROW SEAT. FRANK HENRY WILKEY, Camp Point, Ill. Filed Apr. 9, 1923. Serial No. 630,850. 3 Claims. (Cl. 55-91.)



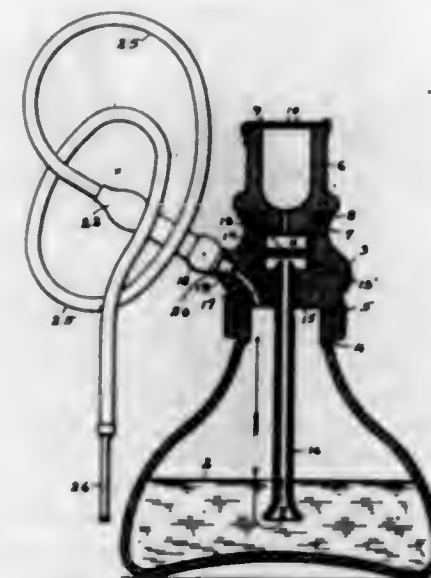
1. The combination with a plurality of harrows arranged in lateral alignment, and a draw bar for said harrows, of a seat supporting member supported at one end on said draw bar, a cross bar carried on said harrows transverse thereto, and adjustable supporting means secured at one end to said seat supporting member and at the opposite lower end to said cross bar.

1,513,146. PUMP. ELIOT C. WILSON, Los Angeles, Calif. Filed July 3, 1922. Serial No. 572,547. 8 Claims. (Cl. 103-179.)



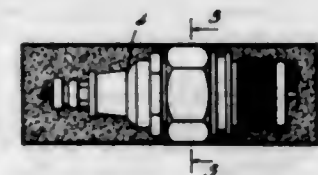
1. In a pump of the character described, a stationary structure providing two seats, a barrel adapted to be removably carried on one of said seats, a valve adapted to be removably carried on the other seat, a plunger carried and adapted to reciprocate in the barrel, and means for simultaneously positively forcing the barrel to its seat and yieldingly forcing the valve to its seat.

1,513,147. TOBACCO WATER VACUUM PIPE. NIKOLAOS D. ZAHARIADIS, San Francisco, Calif. Filed Sept. 26, 1921. Serial No. 503,137. 2 Claims. (Cl. 131-12.)



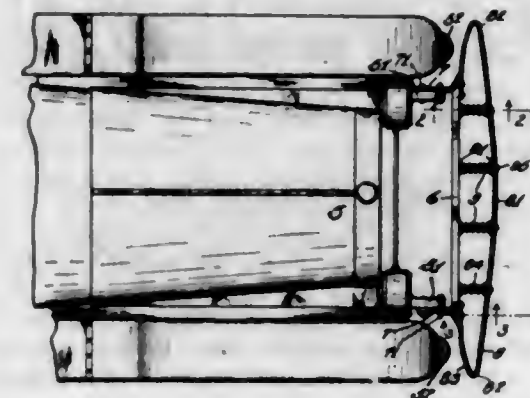
2. A pipe, having a tobacco container, a liquid container, and having a chamber interposed between said containers, a tube extending from said chamber into said liquid, said tube being adjustable, and a partition in said chamber, said partition adapted to co-act with the end of said tube to regulate the passage of smoke thereto.

1,513,148. PACKAGE. FRANCIS ALONZO BARTLETT, Stamford, Conn. Filed Oct. 16, 1920. Serial No. 417,359. 4 Claims. (Cl. 206-46.)



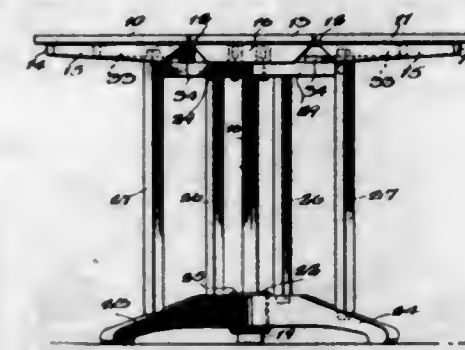
1. A package comprising a body of material in which an article to be packed is embedded while the material is plastic, the material subsequently hardening whereby a recess corresponding exactly to the entire contour of the article to be packed is formed and maintained.

1,513,149. AUTOMOBILE BUMPER. CHARLES L. BATCHELOR, Portland, Oreg. Filed May 21, 1924. Serial No. 714,790. 4 Claims. (Cl. 293-55.)



1. In an automobile bumper, the combination of a channel beam, brackets rigidly connecting said beam within its channel at each end to the frame of the automobile, a spring-metal bar having recurved ends rigidly secured to said beam, a plurality of coil-springs interposed between said beam and said bar, and distending said bar outwardly in arched conformation, and means to secure said springs in operative position.

1,513,150. FOLDING TABLE. ALCIDE EDWARD BEAUBERT, Albuquerque, N. Mex. Filed Dec. 28, 1923. Serial No. 683,231. 2 Claims. (Cl. 45-11.)



2. A folding table including a rigid central section and drop sides hinged to the central section, having a supporting frame including upper rails secured centrally along the said rigid intermediate section, a rigid foot piece below and parallel with the said rails, having uprights connecting the same at spaced points with the said upper rails, a pair of movable foot pieces, each similar in shape to the rigid foot piece, pivotally connected at their inner ends to the inner end of the rigid foot piece and shiftable toward and away from one another, each of said movable foot pieces having an upper pivot bar to which it is rigidly connected, swingable below the said upper frame rails and pivotally connected at its inner end to one of the latter, and each movable foot piece also having an upper stop bar rigidly connected thereto and to its pivot bar and vertically offset in parallel relation to the latter for movement in the plane of the said upper frame rails beneath the rigid section of the table top and the said drop sides, said stop bars being engageable with the said upper frame rails when the movable foot pieces are shifted away from one another.

1,513,151. ADVERTISING DEVICE. WILLIAM MOUNT BISHOP, Beaufort, S. C. Filed Aug. 11, 1922. Serial No. 581,183. 1 Claim. (Cl. 40-132.)

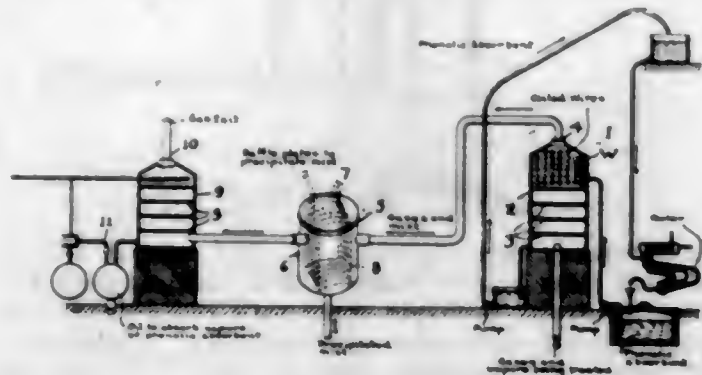


An advertising device of the character described comprising a transparency made up of front and rear glass plates, a mat arranged in the rear of the front glass plate and provided with a plurality of differently shaped openings, a translucent sheet arranged between the mat and the rear glass plate respectively and being provided with line drawings and printed matter on its face with colored views disposed directly to the rear of the line drawings to show therethrough in a manner to illustrate the intentional meaning of the line drawing but being of a different subject matter, a frame supporting the plates, mat and sheet in operative position, means carried by said frames for slidably receiving the plates and means for illuminating said transparency for the purpose specified.

1,513,152. REMOVAL OF PHENOLS IN SOLVENT-RECOVERY PROCESS. JEAN HENRY BRÉGEAT, Paris, France, assignor to Bregat Corporation of America, Wilmington, Del., a Corporation of Delaware. Filed Sept. 10, 1921. Serial No. 499,773. 9 Claims. (Cl. 252-4.)

1. In the recovery of the vapors of volatile solvents from a gaseous medium by the employment of cresol as an agent for absorbing the vapors from such gaseous medium, the method which comprises passing the gaseous

medium which has been subjected to the absorbing action of the cresol through a mechanical separator to separate droplets of cresol from the gaseous medium carrying the vapors of the cresol, and thereafter bringing the gaseous medium which contains cresol vapors, into intimate contact with an agent capable of absorbing the cresol vapors.

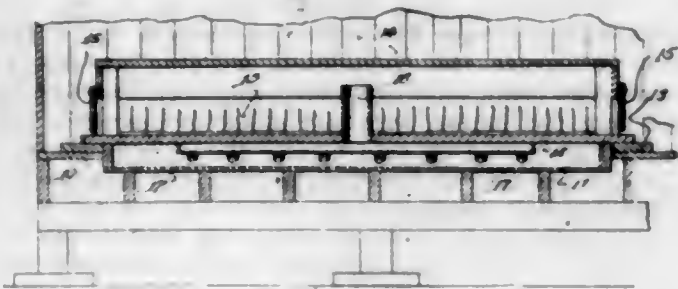


3. In an absorption system for the recovery of volatile solvents from a gaseous medium, in combination, an absorption device suitable for treating a mixture of the gaseous medium and vapors of volatile solvents with a phenolic absorbing agent, a mechanical separator for droplets and mist of phenols, piping for conducting the gaseous medium from said absorption device to the separator, a second absorption device, piping for conducting the gaseous medium from the separator to the second absorption device, and means for supplying to the second absorption device, a liquid absorbing agent different from that used in the first absorption device, whereby vapors of the phenolic absorbing agent reaching said second absorption device may be removed from the air or gaseous medium by the second absorption agent.

1,513,153. RECOVERY OF VOLATILE SOLVENTS AND OTHER MATERIALS FROM GAS MIXTURES. JEAN HENRY BRÉGAT, Paris, France. Filed June 26, 1923. Serial No. 647,921. 1 Claim. (Cl. 252-4.)

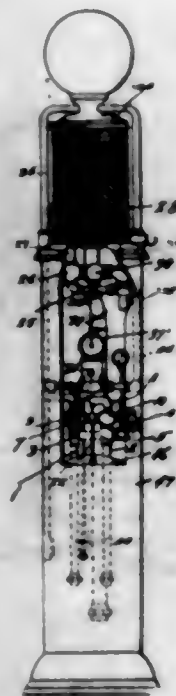
An improvement in the absorption of the vapors of an organic substance from a gas mixture containing the same, which comprises bringing the gas mixture to be denuded of such organic substance, into contact with an absorbent menstruum containing hydrogenated naphthalene, and thereafter separating the absorbed volatile substance.

1,513,154. BROODER. LYMAN C. BYCE, Petaluma, Calif. Filed Aug. 5, 1922. Serial No. 579,816. 1 Claim. (Cl. 119-33.)



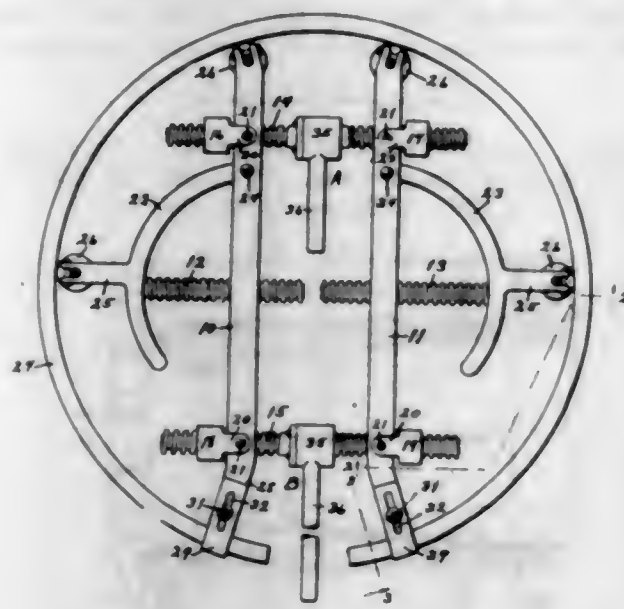
In a brooder, a housing, a pit arranged below the bottom of the housing, a horizontal beam supported on the bottom of the housing adjacent the ends of the pit, a hover, a bottom therefor resting on the beam, a curtain depending from the sides of the hover to the bottom thereof, means in the pit for heating air, and a conduit communicating with the pit and extending into the hover.

1,513,155. FLUID DISPENSER. JOHN J. CATRON, Bonham, Tex. Filed Aug. 18, 1919. Serial No. 318,339. 6 Claims. (Cl. 221-99.)



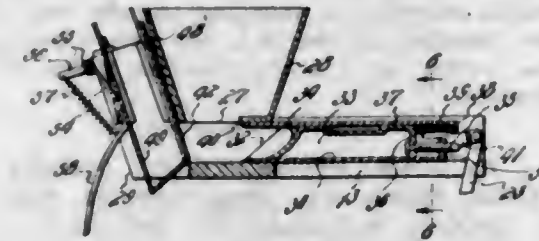
1. In a liquid dispenser, a liquid supply pipe, a meter connected in the supply pipe, a liquid controlling valve connected in the supply pipe in advance of the meter, an accumulating receptacle, a valve controlling the flow of the liquid from the receptacle, a compressed air supply pipe, a compressed air delivery pipe for supplying air to force the liquid through the supply pipe, an air vent connected with the compressed air delivery pipe and normally open, and means for closing said vent when air is supplied to the delivery pipe.

1,513,156. DEMOUNTABLE-RIM EXPANDING AND CONTRACTING TOOL. FLOYD W. CHENOWETH, Perry, Iowa. Filed June 11, 1921. Serial No. 476,749. Renewed Mar. 12, 1924. 4 Claims. (Cl. 157-1.)



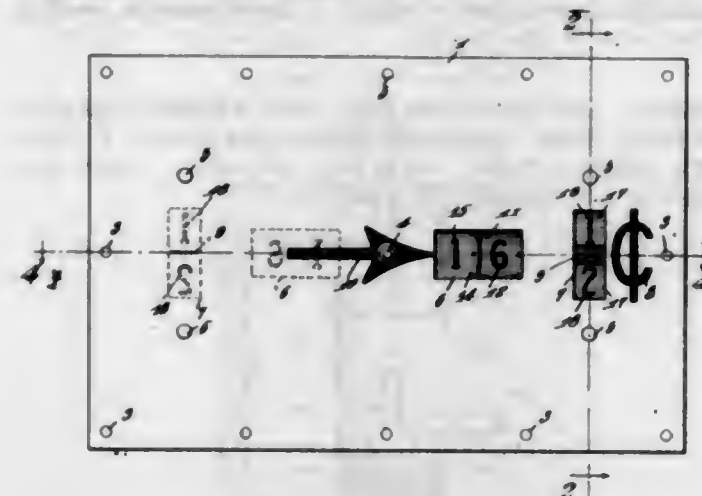
1. A rim expanding and contracting device, comprising spaced bars, screw devices for advancing and retracting said bars relative to each other, end portions of said bars being adapted to engage the inner surface of a ring, separate pressure screws threaded through central portions of said bars, curved arms pivoted on said bars and adapted to be engaged by outer ends of the respective pressure screws, and rollers on said curved arms adapted to engage said ring.

1,513,157. DOUGH-DIVIDING MACHINE. WILLIAM E. CLAYTON, Altoona, Kans. Filed June 14, 1923. Serial No. 645,385. 3 Claims. (Cl. 107-15.)



3. In a device of the character described, a casing having a discharge opening, a hopper on the casing communicating therewith, a plunger mounted for reciprocation within the casing and having an inclined forward end, an adjustable member within the plunger defining a dough receiving pocket, the plunger further including a blade operating beneath the hopper, a discharge member slidably mounted adjacent the hopper above the discharge opening and operated by engagement of the plunger therewith, a scraper plate normally engaged upon a portion of the discharge member, and an arm carried by said plate engageable by the plunger for disengaging the plate from the discharge member whereby the former will slide along the forward end of the plunger to scrape off a lump of dough thereon.

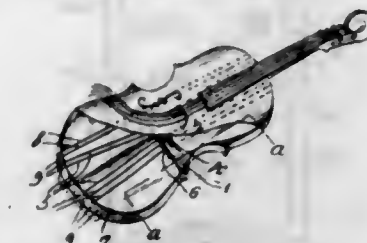
1,513,158. INDICATOR. FRANKFORD M. COOK, Sedalia, Mo. Filed Dec. 7, 1923. Serial No. 679,163. 2 Claims. (Cl. 40-70.)



1. A device of the class described, comprising spaced plates and means for connecting the plates to form a frame, a pivot member connecting the plates, the plates having main openings elongated in the direction of the length of the frame, the main opening of one plate being located on one side of the pivot member, and the main opening of the other plate being located on the other side of the pivot member, each plate being provided with an auxiliary opening disposed between the corresponding main opening and the end of the frame, the auxiliary openings being elongated in the direction of the width of the frame, each plate being supplied on its inner surface with a partition line visible through the auxiliary opening of the other plate; pairs of disks journaled between the plates and provided with numerals, which are visible through the auxiliary openings, each numeral on one disk of each pair cooperating with the partition line to form the denominator of a fraction, and each numeral on the other disk of each pair cooperating with the partition line to form the numerator of a fraction of a unit, and an inner disk journaled on the pivot member, outer disks journaled on the pivot member and located between the inner disk and the plates, the inner disk being of greater diameter than the outer disks, the inner disk being provided on its opposite surfaces with numerals, and the outer surfaces of the outer disks being provided with numerals, the numerals on one surface of the inner disk and the

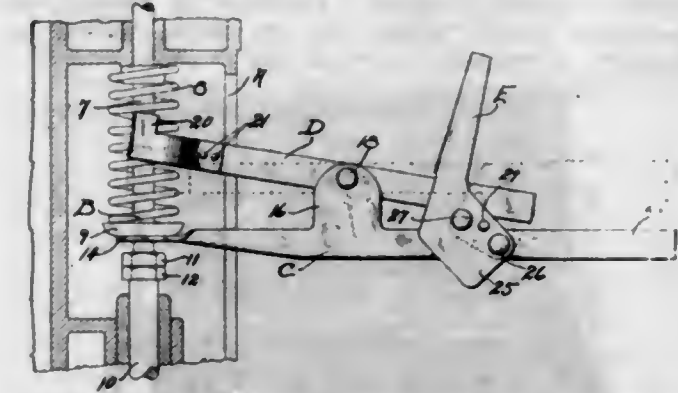
numerals on the outer surface of one outer disk being visible through one of the main openings, and the numerals on the other surface of the inner disk and the numerals on the outer surface of the other outer disk being visible through the other main opening, to denote a number composed of said units.

1,513,159. STRINGED MUSICAL INSTRUMENT. HENRY CREMER, Chicago, Ill. Filed Sept. 24, 1921. Serial No. 503,071. 8 Claims. (Cl. 84-295.)



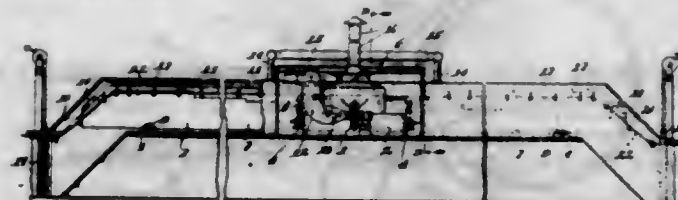
1. In a stringed musical instrument the hollow body with exteriorly disposed play strings and a soundpost in combination with an interiorly located T shaped bridge, combining a soundpost holder with a string holder; said soundpost holder constituting a platform horizontally disposed and transversely located near the center of the instrument and with both ends connected to the sides thereof, and said string holder designating a bar being vertically projected from said platform toward the back of the instrument and lengthwise connected to the platform from underneath.

1,513,160. SPRING COMPRESSOR. ERNEST L. DAHLQUIST, Auburn, Iowa. Filed Apr. 9, 1923. Serial No. 630,987. 6 Claims. (Cl. 29-86.3.)



1. A spring compressor comprising in combination a supporting shank substantially U-shaped in cross section, a pair of upstanding ears carried thereby, a co-acting shank pivotally disposed between said ears of the supporting shank, spring engaging jaws carried on the adjacent ends of the shanks, and an actuating and a locking means including a lever straddling the shanks and having side arms pivotally mounted on the supporting shank, a roller rotatably mounted between said arms and positioned between the shanks and engaging the inner face of the second mentioned shank, and a pin carried by said side arms beneath said roller for engaging the supporting shank and limiting swinging movement of the lever.

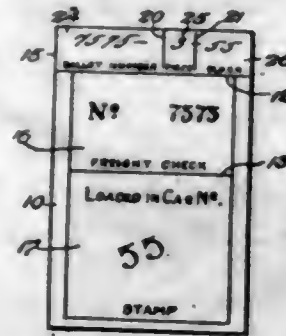
1,513,161. OVEN. WILLIAM A. DARRAH, Chicago, Ill. Filed Mar. 19, 1920. Serial No. 367,293. 11 Claims. (Cl. 34-19.)



9. In a heating device, a multiple of burners supplying heat, a thermostat operated by the heat so supplied, a relay device controlled by said thermostat, a means

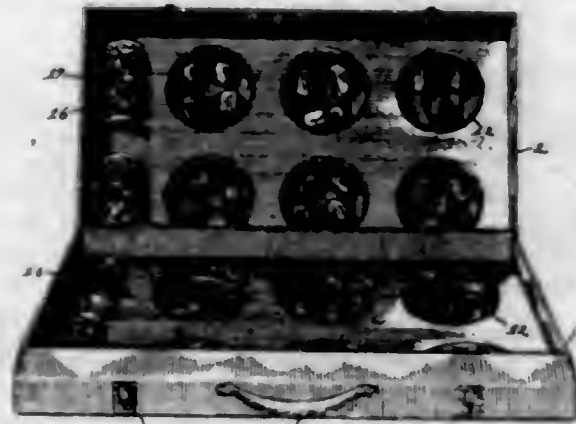
for causing said relay device to open or close a part only of said multiple of burners in order to maintain constant temperature conditions.

1,513,162. FREIGHT CHECK. FRED A. DAWSON, Indianapolis, Ind. Filed June 3, 1921. Serial No. 474,731. 2 Claims. (Cl. 282-27.)



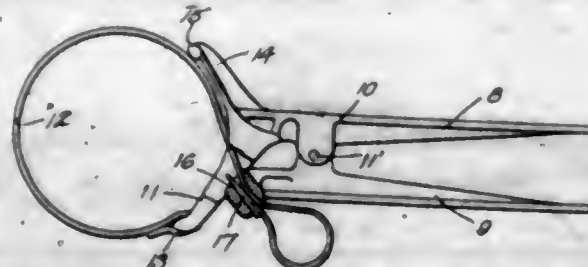
1. A freight check for use with a loading document in loading package freight comprising a sheet having its surface divided into a plurality of major areas, one of said major areas being subdivided into minor areas, one of said major areas bearing the original number of the check, and another appropriately designated to receive the duplicate block number, the minor areas appropriately designated to receive the duplicate check number, the number of pieces constituting a truck load, and the block number, said sheet being provided with a transfer medium on its back whereby the data added to the face of the sheet is transferred to the loading document when the sheet is superposed on the loading document, substantially as set forth.

1,513,163. SAMPLE CASE. ABRAHAM E. DOBRIN, San Francisco, Calif. Filed Oct. 22, 1923. Serial No. 670,077. 3 Claims. (Cl. 190-16.)



1. A sample case comprising a pair of hingedly connected top and bottom portions each having a plurality of recesses formed in the back thereof; cup shaped transparent covers mounted over each recess, said covers being inverted over the recesses to form compartment therewith adapted to receive samples of substance to be displayed; and means detachably engaging the covers for holding the same in position.

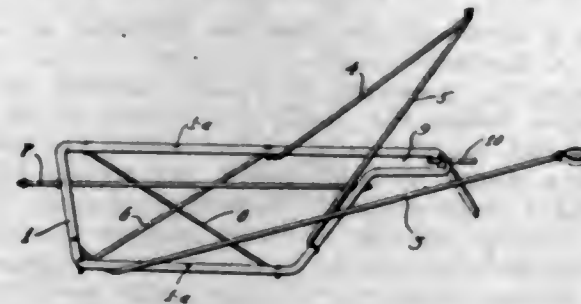
1,513,164. JAR WRENCH. HOMER H. EUVERARD, Barberton, Ohio. Filed Nov. 6, 1922. Serial No. 599,363. 1 Claim. (Cl. 81-3.2.)



A wrench of the class described comprising a pair of members pivotally connected together, one member being of Y-shape with one arm thereof of yoke shape and the

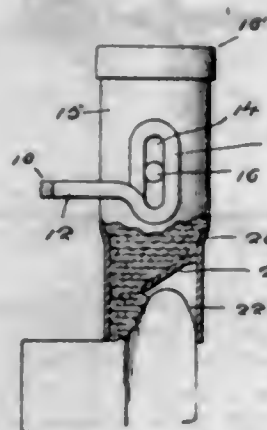
other arm having a cross piece thereon, the second member having a slot therein, a band-like flexible member connected with the yoke-shaped arm and passing through the slot in the other member and a wedge on one end of the flexible member for engaging the slot for holding the flexible member in the slot, the arm carrying the cross piece acting as a second bearing point for the flexible member.

1,513,165. BICYCLE ATTACHMENT. THOMAS MATTHEW EXUM, Fulton, Ky. Filed Sept. 30, 1922. Serial No. 591,610. 3 Claims. (Cl. 208-45.)



1. In a side-carrying bicycle, a frame attachment, a container, said attachment being of generally rectangular type and adapted to function as a carrier for said container, said attachment being provided with bracing attaching members for its attachment to the bicycle, a track-wheel-axle applied to said attachment, with the end thereof opposite its wheel-carrying-end bearing in the distant portion of said frame-attachment, the latter having an attenuated portion extended beyond the plane of an edge thereof and adapted to function as a bearing for the axle of the bicycle.

1,513,166. LOCOMOTIVE AND CAR WHEEL FLANGE LUBRICATOR. JAMES B. IRWIN and HARRY E. FRITZ, Alliance, Nebr. Filed Nov. 17, 1922. Serial No. 601,529. 2 Claims. (Cl. 184-3.)

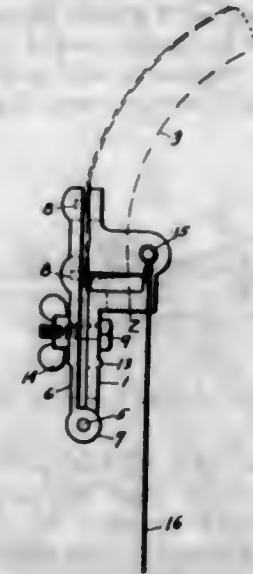


1. A lubricating device for flanged wheels of rolling stock, comprising a supporting bracket adapted to be mounted upon a frame element of the rolling stock, an upright casing vertically slidably and laterally swingably mounted within the bracket and adapted to contain a mass of absorbent material saturated with lubricant the bottom of the casing having an opening conforming in shape to the cross sectional contour of the wheel to be lubricated whereby the flange of the wheel will extend into the casing, and a guard flange extending transversely of the casing slightly above said opening to prevent contact of the mass with the outermost edge of the flange.

1,513,167. CURTAIN MUD GUARD FOR AUTOMOBILES. WALTER P. FLEMING, Highland Park, Mich. Filed Feb. 25, 1924. Serial No. 694,875. 2 Claims. (Cl. 280-153.)

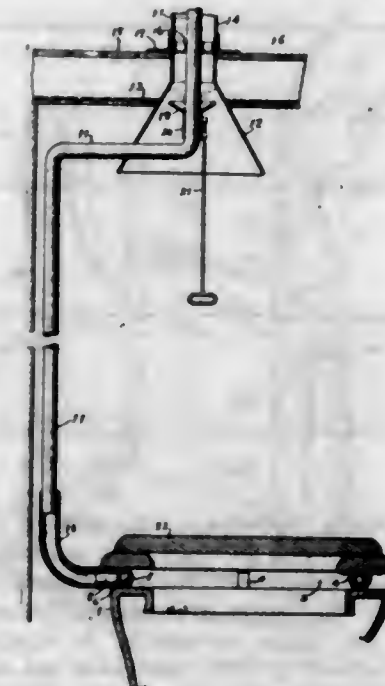
1. A curtain mud guard for the rear wheel of an automobile, comprising a U-socket clip frame to fit over and engage the inner flange of the automobile wheel

fender, a cap plate hinged to the end of the U-socket clip frame, means for clamping said cap plate to the U-socket frame for securely gripping the fender walls,



a guard rod mounted in the socket frame and extending beyond the sides thereof, a flexible mud curtain suspended from the guard rod in such a position as to hang directly behind the auto wheel.

1,513,168. VENTILATOR. JOSEPH FRICK, Wawaka, Ind. Filed May 3, 1922. Serial No. 558,145. 3 Claims. (Cl. 4-217.)



1. The combination of a bowl; a seat; a hollow draft element provided with inlet and outlet ports, and provided also with opposed fastener elements; a resilient cushion element between said seat and bowl and having its ends connected with said draft element fastener elements; and a draft tube connected with the outlet port of said draft element.

1,513,169. BEARING. JAMES A. HAM, Grandfield, Okla. Filed Mar. 12, 1923. Serial No. 624,491. 2 Claims. (Cl. 64-55.)

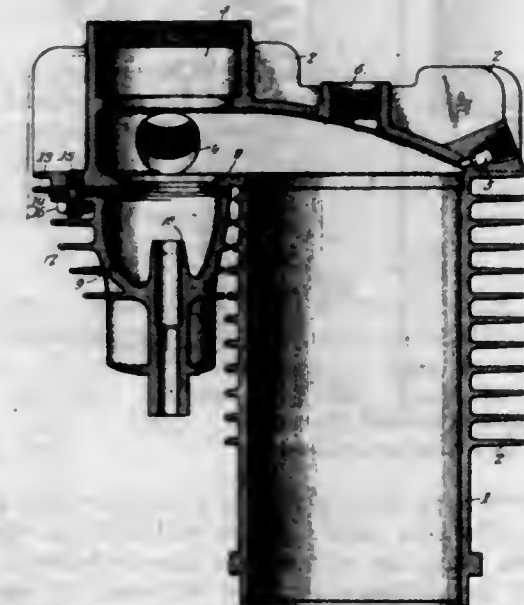
1. In a bearing, a screw shaft carried by one section of the bearing and engaging a screw threaded hole in the other section, a cross shaft, gears connecting the two shafts together, a plunger adapted to be reciprocated by the shaft when the bearing becomes loose, means for

imparting a rotary movement to the second shaft by the reciprocating movement of the plunger, such means consisting of ratchet mechanism for connecting the shaft



to the plunger and means for rendering the ratchet mechanism inactive when the first shaft is to be turned by hand and when the bearing is tight.

1,513,170. COOLING MEANS FOR INTERNAL-COMBUSTION ENGINES. WILLIAM S. HARLEY, Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 1, 1919, Serial No. 335,002. Renewed Mar. 27, 1924. 11 Claims. (Cl. 123-171.)

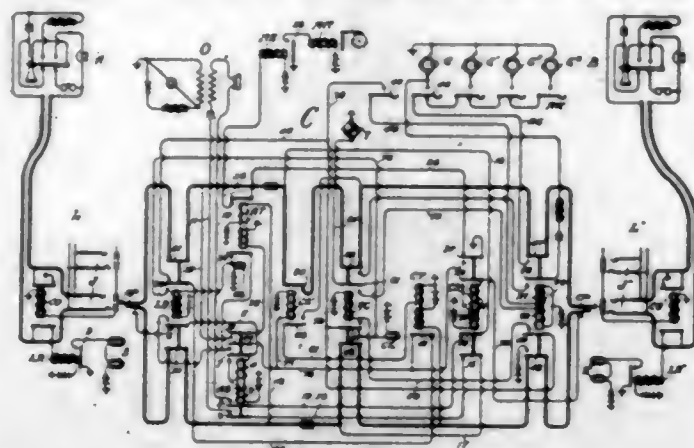


7. Valve cooling means for gasoline motors having an exhaust chamber housing and a valve seat, comprising a radiating fin and a heat insulating gasket interposed between said seat and chamber housing, said radiating fin being in contact with said valve seat.

1,513,171. TELEPHONE SYSTEM. JOHN E. HILBISH, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1921. Serial No. 478,784. 6 Claims. (Cl. 170-58.)

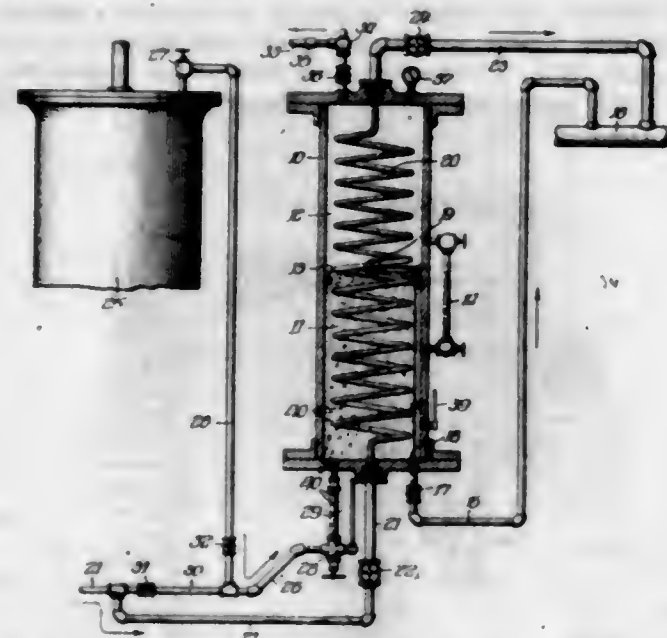
1. A telephone system including calling and called subscribers' lines, a plurality of connection terminals for said lines, busying means for busying said connection terminals when connections are made thereto, link cir-

cuits for connecting to said terminals to interconnect said lines, an operator's telephone set adapted to be connected to and disconnected from any one of said link circuits, and individual means included in the calling end of said link circuits whereby when one of said link circuits is connected to a connection terminal of a called



line a second one of said link circuits cannot be operatively connected to another terminal of the same called line, said means including a relay having a low resistance and a high resistance winding, and which relay through its own contacts disconnects said operator's set from said link circuit.

1,513,172. APPARATUS AND PROCESS FOR REMOVING NONCONDENSABLE GASES. BERT EUGENE HILL, Chicago, Ill. Filed Jan. 6, 1923. Serial No. 611,020. 6 Claims. (Cl. 62-170.)

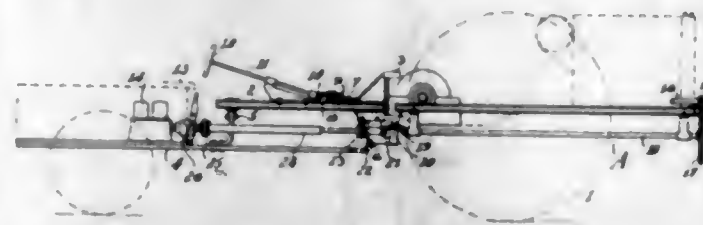


6. A method for removing from a refrigeration system the non-condensable gases, which includes the steps of withdrawing from the system the non-condensable gases and any of the refrigerating fluid entrained in vaporized form with the gases, passing the same upwardly through a liquefied column of the refrigerating fluid whereby the refrigerating fluid carried by the gases is condensed and removed from the same, permitting the non-condensable gases to pass off from above the liquefied column of the refrigerating fluid, and maintaining the temperature of the liquid and the pressure of the gases at such points as to prevent ebullition of the liquid.

1,513,173. TRACTOR. JOHN I. HOKK, Medina, N. Y., assignor to Moline Plow Company, Inc., Moline, Ill., a Corporation of Virginia. Filed Oct. 4, 1919. Serial No. 328,552. 1 Claim. (Cl. 180-14.)

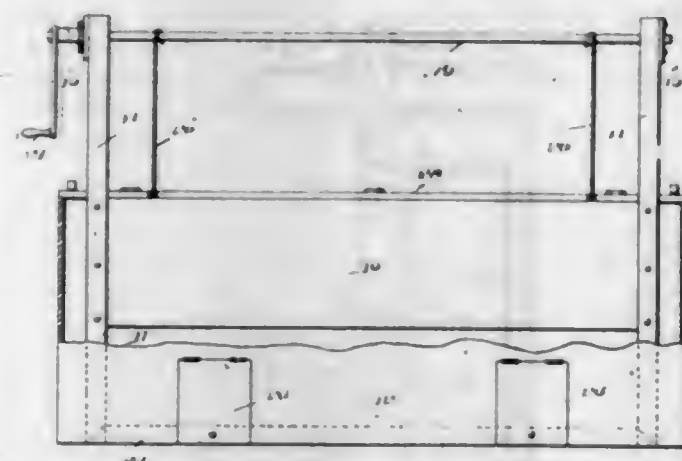
The combination with a front wheel drive tractor of the unstable type having a power plant, two forward drive wheels, and a rearwardly extending coupling frame

for connecting the tractor to a drawn device to combine the two into a stabilized unit, said coupling frame being pivoted to the tractor to the rear of the axis of the drive wheels so as to swing about a substantially vertical axis for steering purposes, of a drawn device carrying mechanism to be operated by power, power transmitting means extending from the tractor to the coupling frame and to the drawn device, said means being flexible in substantial



alignment with the axis of the pivot of the coupling frame to the tractor so that the power will be transmitted in all positions assumed by the coupling frame when the tractor is steered, said means also being flexible relative to the coupling frame, and means carried by the coupling frame for supporting the power transmitting means so that it may be moved horizontally or vertically relative to the coupling frame to readily connect it to various mechanisms on the drawn devices.

1,513,174. GRAIN SOAKER. AILT J. KRUGER, Adrian, Minn. Filed May 18, 1923. Serial No. 639,961. 1 Claim. (Cl. 82-28.)

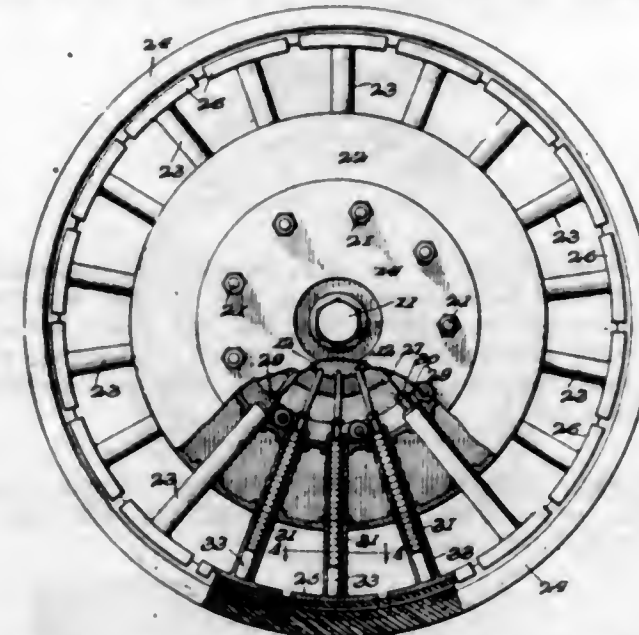


A grain soaking apparatus comprising a liquid receptacle supported upon pairs of legs extending above and below the same, longitudinal and transverse braces, a grain receptacle having a foraminous bottom normally seated within the liquid receptacle, a windlass mounted in bearings provided in the transverse braces secured to the upper end standards of the legs, means connecting the windlass and grain receptacle, means for operating the windlass and holding same against retrograde movement, an outer housing positioned around the receptacle adjacent its lower portion to provide a heating compartment, and hinged closures common to both receptacles and having notches in the side end thereof to receive the connecting means from the windlass.

1,513,175. RESILIENT WHEEL. OTTO A. LUDWIG, Great Falls, Mont., assignor to Ludwig Resilient Wheel Company, Great Falls, Mont. Filed Nov. 22, 1923. Serial No. 676,407. 5 Claims. (Cl. 152-31.)

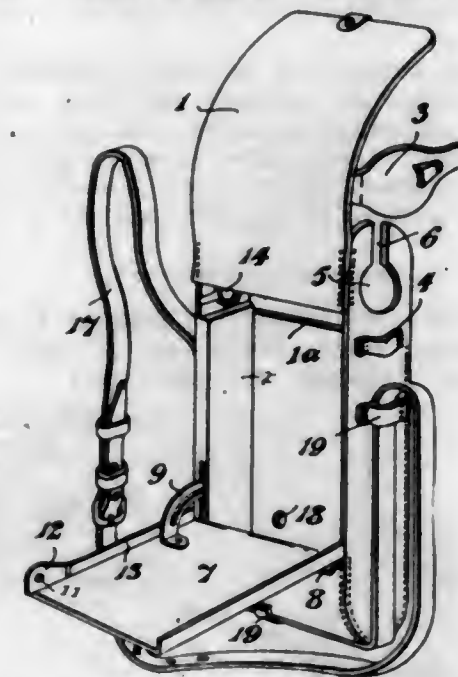
1. A resilient wheel including a rigid hub portion, a rigid spoke guide supported by the hub portion and having apertured bearing walls spaced apart and concentric with the hub, a rim consisting of a series of segments, and a series of spokes each of which includes an inner

part projecting outwardly from the hub and an outer tubular part movable in said spoke bearings and supporting one of the rim segments at its outer end, and a



cushion member disposed within the tubular outer part of each spoke around the outer portion of the inner part and having bearing at its opposite ends in connection with said spoke parts.

1,513,176. CASE FOR CONTAINING CAMERAS. CHARLES HENRY LYDE, Dorridge, England. Filed Apr. 18, 1922. Serial No. 554,984. 4 Claims. (Cl. 95-32.)

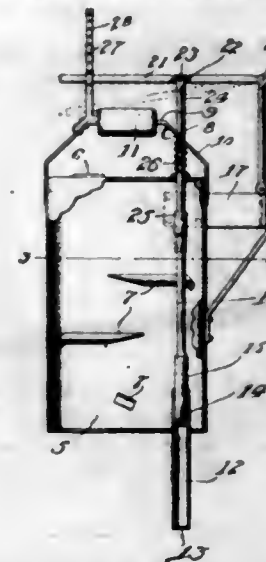


1. A casing for a folding camera open at the front and also open at the upper end and provided at the front with a closure member pivotally supported at the lower end and arranged, when in open position, to permit the falling of the camera front, said casing being also provided with a closure for the open upper end to permit, when open, of the insertion or removal of the camera through said open end.

1,513,177. FLUID-POISON-APPLYING DEVICE. JAMES J. MARTIN, Iva, S. C. Filed Aug. 24, 1923. Serial No. 659,138. 3 Claims. (Cl. 299-101.)

1. A device for applying a fluid poison to the cotton bud, comprising a receptacle, a barrel extending longitudinally of the receptacle near its bottom, a handle attached to the top of the receptacle and extending substantially diametrically across the same, a bracket projecting laterally from the receptacle, an operating lever pivotally supported from the bracket and extending sub-

stantially diametrically across the top of the receptacle outwardly of the handle, an upstanding guide frame supported from the receptacle and receiving the free end of the lever therein, said frame having vertically spaced open-



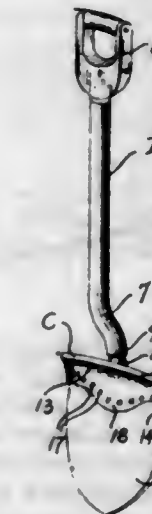
ings, a stop element for insertion within a selected opening, a plunger within the barrel, a rod connecting the plunger and lever, and a spring to move the rod upwardly.

1,513,178. TOOTHBRUSH. FRANK HENRY MAYHOOD, Calgary, Alberta, Canada. Filed Sept. 8, 1923. Serial No. 661,633. 2 Claims. (Cl. 15-210.)



1. A tooth brush of the character described comprising a handle formed with a recessed end portion, a cup member adapted to fit into said recess, a plug for said cup, hook means at each end of the cup adapted to engage with a strip stretched over the top of said plug to hold same in stretched position.

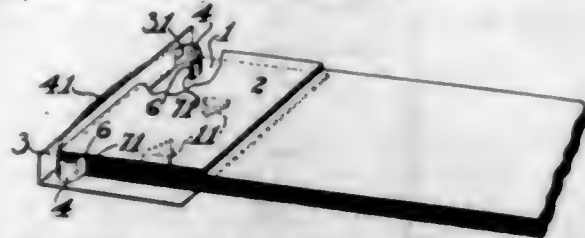
1,513,179. REINFORCING BREAST FOR GARDEN IMPLEMENTS. PASQUALE DELLA MONICA, Harrison, N. Y. Original application filed Apr. 28, 1921, Serial No. 465,273. Divided and this application filed May 15, 1923. Serial No. 639,122. 2 Claims. (Cl. 294-60.)



1. A garden implement comprising a blade, a head portion extending across the upper portion of the blade for the full width thereof and having its upper face

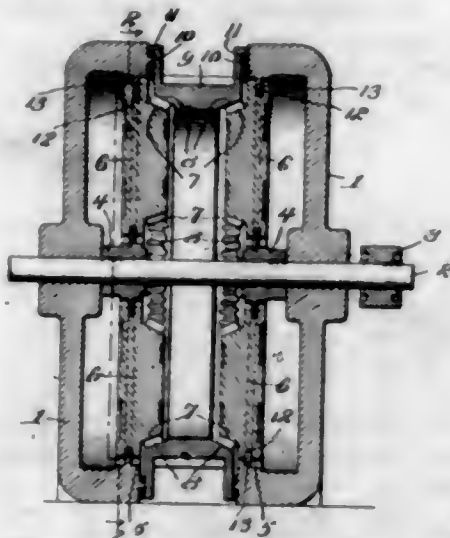
inclined rearwardly and downwardly, a handle engaging element extending from the upper face of the head portion, and a handle connected with the handle engaging element.

1,513,180. INSERTION-PAD HOLDER. JOSEPH E. MYERS, U. S. Army. Filed May 19, 1921. Serial No. 470,773. 2 Claims. (Cl. 281-4.)



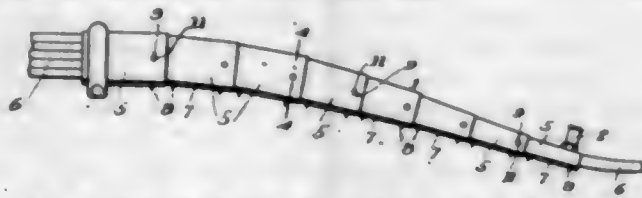
1. An insertion pad holder comprising a base, an end flange upturned therefrom, holding jaws resiliently supported from said flange, and downwardly-inclined teeth intumed from said jaws to engage only the side edges of a pad.

1,513,181. MECHANICAL MOVEMENT. ALVAN L. POWELL, Miles City, Mont., assignor, by mesne assignments, to The A. L. Powell Power Company, Incorporated, a Corporation of Montana. Filed Dec. 10, 1919, Serial No. 343,958. Renewed Nov. 9, 1923. 4 Claims. (Cl. 74-34.)



1. In a power transmitting mechanism comprising a casing, a drive element arranged concentrically within the casing, gears disposed between and coactive with the drive element and the wall of the casing, means extending from the wall of the casing and the drive element and engageable with the gears to hold the said gears against lateral displacement in both directions, and a driven element operatively associated with the gears.

1,513,182. SPRING COVER. LOUIS E. PULFER, Los Angeles, Calif. Filed Mar. 31, 1923. Serial No. 628,993. 2 Claims. (Cl. 267-37.)



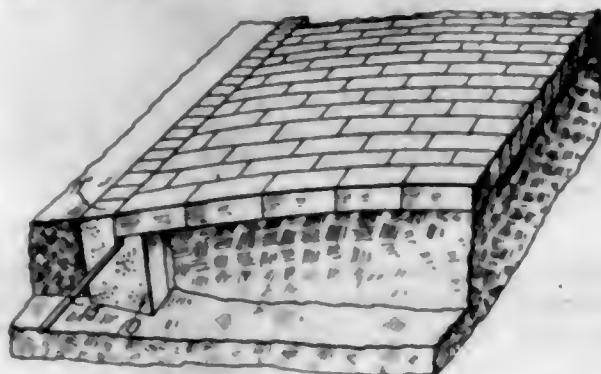
1. In a covering and lubricating device for springs, a plurality of resilient telescoping sections split longitudinally at their lower sides, said sections being provided with pivot bearing openings in their side walls near their forward ends and with pivots on their side walls near their rear ends adapted to be expanded into said openings when said side walls are expanded, and connecting elements for connecting the lower split edges of said sections to hold said sections close around the spring.

1,513,183. EYEGLASS FRAME. THOMAS F. PURCELL, New York, N. Y. Filed Oct. 27, 1922. Serial No. 597,310. 3 Claims. (Cl. 88-47.)



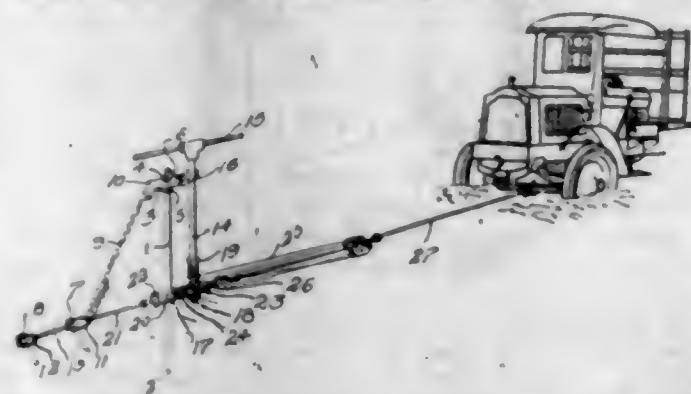
1. A lens frame of the class described in combination with a nose piece, comprising a pair of split lens rims, a connecting rod between the rims and above the nose piece and means disposed on said rod cooperating with the split rims whereby the latter may be contracted or expanded.

1,513,184. HEADER BLOCK. JOHN G. REAGAN, Cisco, Tex. Filed June 3, 1922. Serial No. 565,726. 3 Claims. (Cl. 94-11.)



1. A precast header block for roads comprising an upright body having an upwardly projecting rectangular retaining lug extending outwardly from the central portion of the body, a supporting shoulder below the top of the lug extending inwardly from the central portion of the block to form an adequate seat for a road surfacing.

1,513,185. PULLING DEVICE. WILLIAM R. RUTHERFORD, Spokane, Wash. Filed July 17, 1923. Serial No. 652,018. 2 Claims. (Cl. 254-150.)

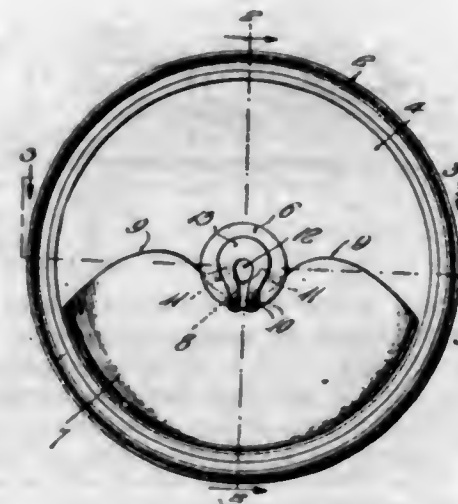


1. In a portable pulling device, the combination with a fixed post, of a perforated head plate and locking nuts for securing said plate to the post, a perforated base plate on the post, an anchoring stake, flexible brace members connecting said stake and said plates, a shaft rotatably supported by said plates, a winding drum on the shaft, and block and tackle mechanism operatively connected with said base plate and drum.

1,513,186. HEADLIGHT RECTIFIER. FRANK J. SCHISLER, Winthrop, Minn. Filed Sept. 24, 1923. Serial No. 664,521. 2 Claims. (Cl. 240-48.2.)

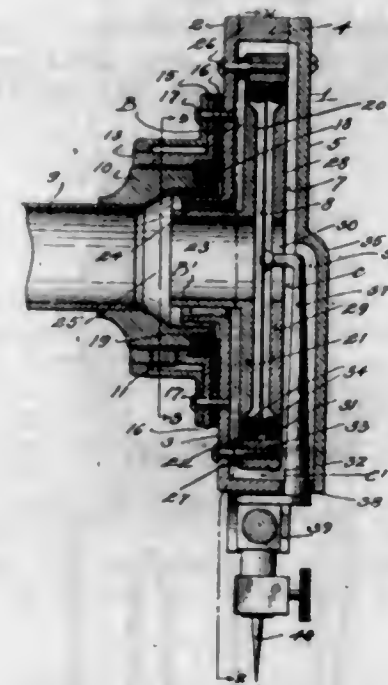
1. A headlight rectifier comprising a non-reflecting cover for substantially the lower half of a headlight reflector, a pair of arms extending forwardly from the

upper edge of said cover for disposition under the headlight bulb, the front ends of said arms being curved upwardly for location at the lower front portion of the



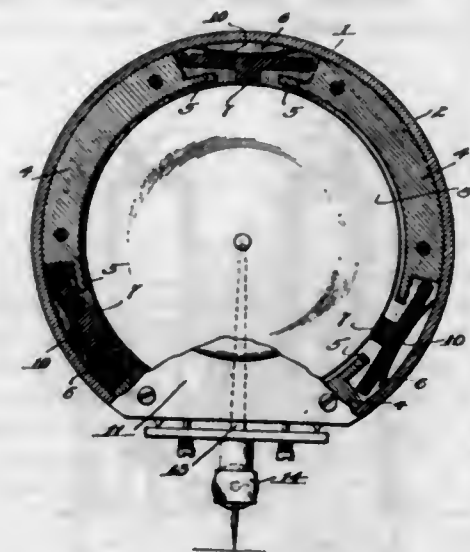
bulb, and a shield extending between and carried by the upturned ends of said arms to shield the upper front portion of the bulb.

1,513,187. SOUND REPRODUCER FOR TALKING MACHINES. CARL SCRABIC, Urbana, Ohio. Filed Apr. 3, 1922. Serial No. 548,982. 1 Claim. (Cl. 274-35.)



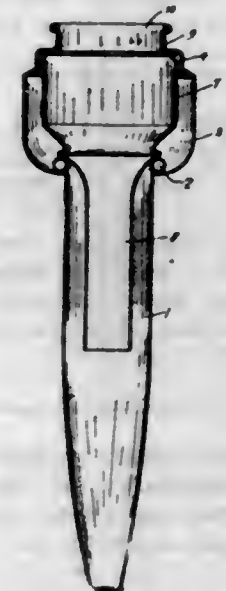
In a sound reproducer for talking machines, an enclosed casing, a diaphragm supporting structure mounted within and spaced from the walls of said casing, said structure including a compartment, a diaphragm mounted within said compartment and spaced equidistantly from the walls thereof, an oscillating stylus extending into said casing for cooperation with said diaphragm, and conduits of equal diameter formed in said supporting structure on both sides of said diaphragm, a third conduit carried by the supporting structure and disposed in concentric spaced relation with an adjacent conduit, all of said conduits being in communication with a common sound outlet.

1,513,188. SOUND BOX FOR TALKING MACHINES. CARL SCRABIC, Urbana, Ohio. Filed Nov. 15, 1923. Serial No. 674,829. 4 Claims. (Cl. 181-31.)



1. In a sound box, a casing including a chamber, a diaphragm mounted for vibration within said chamber, and spaced means projecting inwardly from the casing for engagement with the peripheral edge of said diaphragm.

1,513,189. TEAT CUP FOR MILKING MACHINES. WARREN A. SHIPPERT, Chicago, Ill. Filed Mar. 26, 1921. Serial No. 455,898. 3 Claims. (Cl. 31-102.)

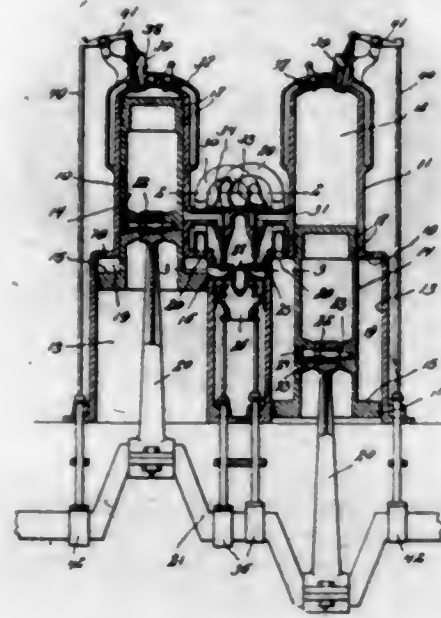


1. A device of the class described, comprising a rigid tubular body member; a casing of larger diameter than said body member, removably connected therewith, a cap detachably connected with said casing and provided with an outwardly projected collar; a diaphragm within said cap provided with a central opening; a bowl supported within said casing, bearing at its upper end against said diaphragm, and at its lower end against said body member, and a flexible tube depending from the lower end of said bowl, and open at both of its ends.

1,513,190. ENGINE. MILLARD R. SMITH and ALBERT L. CRAIG, Stanhope, Iowa. Filed June 20, 1921. Serial No. 479,009. 1 Claim. (Cl. 123-59.)

In an internal combustion engine, a pair of vertically arranged cylinders arranged in spaced relation and each having a large bore and a small bore, a piston operating in the cylinder, an annular head carried by the lower end of each piston and operating within the large bores, valve controlled means for admitting fuel to the large bores, the latter bores being also provided with outlet

openings, a pair of laterally extending castings carried by the upper ends of the cylinders and extended toward each other in transverse horizontal alignment, the castings being provided with valve seats in their upper faces and further provided with longitudinal passageways which communicate with the small bores of the cylinders,

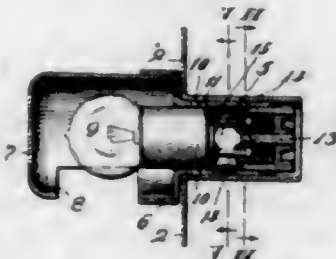


goose necks communicating with the outlets of the large bores and having their upper ends overlying the valve seat and communicating with the passageways in the castings, and reciprocable valves supported by the castings and movable within the adjacent ends of the goose necks and adapted to seat upon said seat.

1,513,191. ADHESIVE MATERIAL. ROY H. SMITH, St. Paul, and RALPH B. BEAL, Minneapolis, Minn. Filed Jan. 13, 1923. Serial No. 612,499. 2 Claims. (Cl. 87-17.)

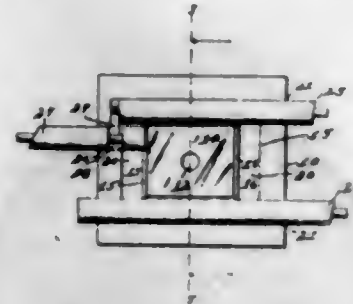
2. An adhesive composition consisting of silicate of soda and pulverized dolomitic limestone containing carbonate of calcium and carbonate of magnesium commingled in a solution of approximately equal amounts of each measured in weight.

1,513,192. LAMP STRUCTURE FOR MOTOR VEHICLES. MAXIMILLIAN H. SPIELMAN, New York, N. Y. Filed Dec. 24, 1920. Serial No. 432,930. 6 Claims. (Cl. 240-7.)



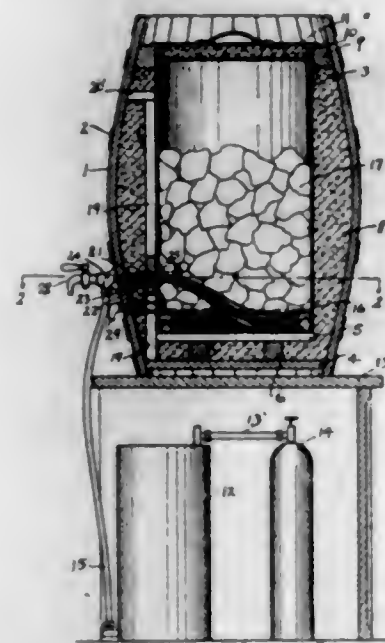
5. In combination, a tubular supporting member, means for securing said supporting member to the instrument board of a motor vehicle, a block of insulating material fixedly mounted in said supporting member, a housing mounted to rotate with respect to said supporting member, an incandescent lamp mounted within said housing, a pin and groove connection between said housing and said supporting member preventing longitudinal movement of the housing but leaving the housing free to rotate thru an angle about its axis and cooperative contact means associated with said lamp and block whereby in one position of the housing the circuit of the lamp is closed and in the other position open.

1,513,193. COMBINED CABLE CLAMP AND LIGHTNING ARRESTER. HARRY STATON, Burlington, Iowa. Filed Apr. 10, 1923. Serial No. 631,111. 3 Claims. (Cl. 200-115.)



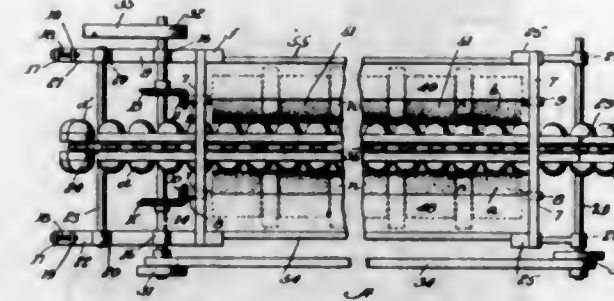
1. In a device of the class described, a base block and a cover block formed of insulating material, the base block being provided with a rectangular groove having side portions parallel and end portions parallel, one of the side portions of said groove being in communication with a semi-cylindrical groove extending through the entire length of the block, and the other side of said groove being in communication with a semi-cylindrical groove parallel with the first said semi-cylindrical groove and extending to one end of the block, the opposite end of the last said groove being closed, a third semi-cylindrical groove in communication with one of the end portions of said rectangular groove and parallel with the second one of said semi-cylindrical grooves, the cover member having its lower surface provided with semi-cylindrical grooves to coact with those of the said base member, a connector plate designed to fit the rectangular groove of said base member and to rest therein, said rectangular plate being provided with upwardly extending lugs for the purposes stated, and means for clamping the cover member to the base member.

1,513,194. BEVERAGE-DISPENSING APPARATUS. ISAAC A. STEIN, Galveston, Tex. Filed Sept. 8, 1923. Serial No. 661,567. 2 Claims. (Cl. 62-147.)



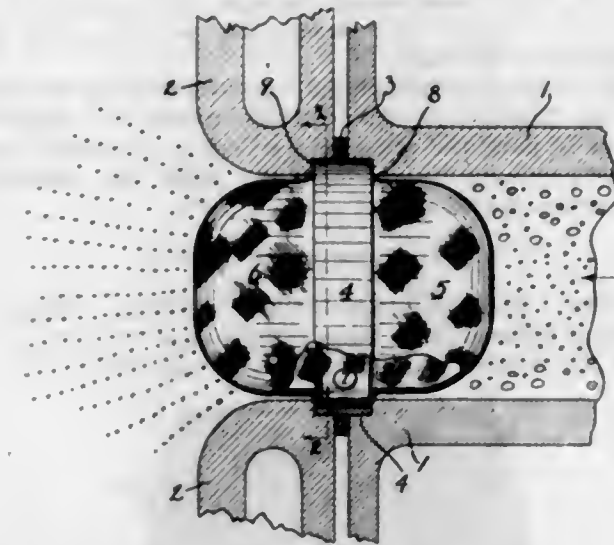
1. In a beverage dispenser, an outer barrel-shaped container, an inner refrigerating tank, means spacing said tank from the wall of said container, heat insulating material in the space thus provided, upright supports along the wall of said tank, means to hold the upper ends of said supports in rigid position against said tank, pipes of rigid material supported at one end in said container and at the other end in said upright supports, a refrigerating coil of pipe in said tank, and fluid conducting pipes passing through said barrel, said rigid supporting pipes and connected with the ends of said coil in the manner described.

1,513,195. CLEANER AND POLISHER. AUGUSTUS R. STEVENS, Lindsay, Calif., assignor of forty-nine one-hundredths to Francis M. Stevens, Lindsay, Calif. Filed Dec. 15, 1922. Serial No. 607,212. 18 Claims. (Cl. 146-202.)



17. In a device for cleaning the skin of fruit, the combination of a brush member and a series of closely spaced roller members adjacent such brush member, the fruit to be cleaned being received between and carried by adjacent roller members and the brush member.

1,513,196. VAPORIZER. ALBERT J. STRATMAN, Los Angeles, Calif. Filed Nov. 3, 1922. Serial No. 598,761. 3 Claims. (Cl. 48-180.)



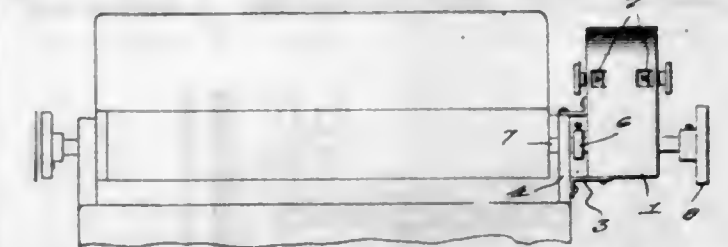
3. A vaporizer comprising a ring adapted to fit in the gland seat between a manifold and an engine block, a cupped gauze member having a straight band portion fitting in the ring and extending one way, a second cupped gauze member having a second straight band portion fitting in the first straight band and extending the other way, and a perforated disc having an upset edge fitting snugly within the second band, there being perforations through the three overlapping parts and solder in the perforations to hold the parts together.

1,513,197. SEAM. JOHN M. SUNDEAN, Hinckley, Minn. Filed July 6, 1922. Serial No. 573,144. 1 Claim. (Cl. 112-262.)



The combination of two pieces of leather, one of which is split longitudinally on its inner face at a point spaced from its edge to provide an attaching lip, a row of stitches passing through the edge of the other piece and said lip at the base thereof, the projecting edge portion of the lip-carrying piece being turned down flat over the seam so formed and secured, whereby the stitches are rendered invisible from both faces of the so connected pieces.

1,513,198. TYPEWRITER SPACE GAUGE. EDWARD P. THURBAN, Habana, Cuba. Filed Apr. 30, 1924. Serial No. 710,170. 2 Claims. (Cl. 197-119.)



1. A line space gauge for a typewriting machine comprising a casing adapted to be applied to the frame of the machine, a shaft journaled in the casing and having means for connection with the platen shaft of the machine, the casing being provided at its side with a pair of sight openings, stub shafts journaled in the casing and adapted to move longitudinally therein, gear wheels operatively connecting the stub shafts respectively with the first mentioned shafts, spring means for maintaining the gear wheels in mesh with each other, and discs carried by the stub shafts and having their peripheries disposed opposite the sight openings in the casing, the peripheries of the discs being provided with a series of numbers.

1,513,199. WIRE LINE AND ROD COUPLING. JAMES A. TOMPKINS, Healdton, Okla., assignor of one-half to Floyd J. Peek, Wirt, Okla. Filed Mar. 10, 1923. Serial No. 624,193. 3 Claims. (Cl. 287-103.)

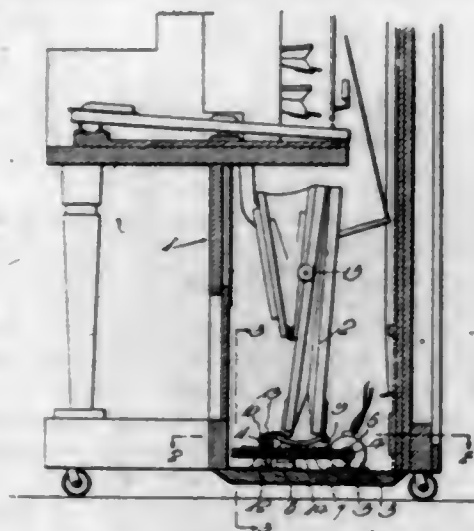


1. Means for connecting rod sections comprising a pair of similar body members each formed with a tapered bore and each having one end recessed to define an extension, one member being formed with a transverse opening leading into the recess and the other being formed with a hole leading into the recess and designed to register with said opening when said members are assembled with the extension of each fitting within the recess of the other, the rod sections being adapted to be inserted within said bores, a wedge block insertable through said opening and engaging the inner ends of the rod sections for forcing them outwardly, and a bolt passing through the wedge member and through said hole for effecting movement of the wedge member and for clamping said members together.

1,513,200. TREATMENT OF VANADIUM ORES. MARVIN J. UDY, Niagara Falls, N. Y., assignor, by mesne assignments, to Electro Metallurgical Company, New York, N. Y., a Corporation of West Virginia. Filed Oct. 25, 1922. Serial No. 596,882. 6 Claims. (Cl. 23-13.)

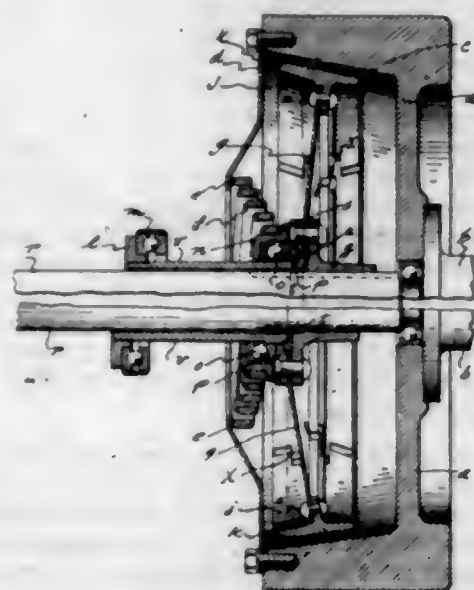
1. Process of treating vanadium ore containing metals other than vanadium, which comprises mixing the ore with an alkali and a material capable of supplying sulfur to combine with a metal to be separated from the vanadium, and heating the charge to fusion.

1,513,201. ATTACHMENT FOR PLAYER PIANOS. DELBERT WARD, Little Rock, Ark., assignor of forty per cent to John H. Wallace, Little Rock, Ark. Filed Sept. 1, 1921. Serial No. 497,606. 3 Claims. (Cl. 84-70.)



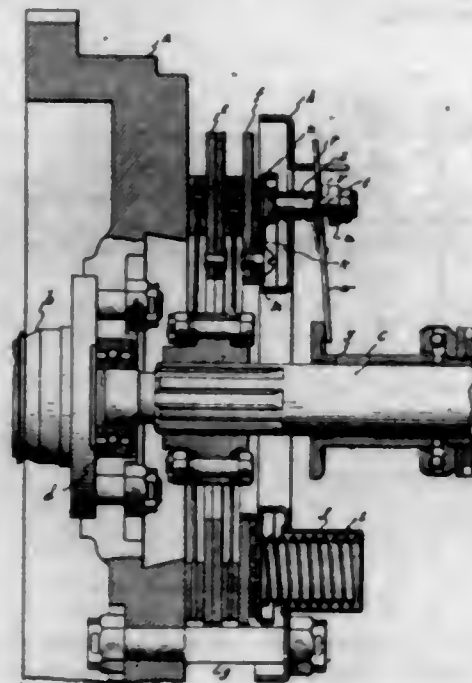
1. In combination with a piano including a casing and player mechanism in the casing having operating bellows positioned above the bottom of the casing and in spaced relation to each other, a flat gear disk rotatably connected with the bottom of the casing between the bellows and positioned in a horizontal plane and having worm teeth about its periphery and having pin teeth extending from its upper face adjacent its periphery, a drive shaft rotatably mounted in bearings carried by the bottom of the casing, a worm carried by the drive shaft and meshing with the worm teeth of said gear disk for imparting rotary movement to the gear disk, a crank shaft rotatably mounted in bearings secured to the bottom of the casing and extending over said gear disk, a pinion carried by said crank shaft and positioned for engagement by the pin teeth of the gear disk, and links connecting the crank portions of the crank shaft with said bellows for imparting operative movement to the bellows when the crank shaft is rotating.

1,513,202. CLUTCH. ERNEST E. WEMP, Evansville, Ind. Filed Sept. 13, 1920. Serial No. 409,832. 5 Claims. (Cl. 192-52.)



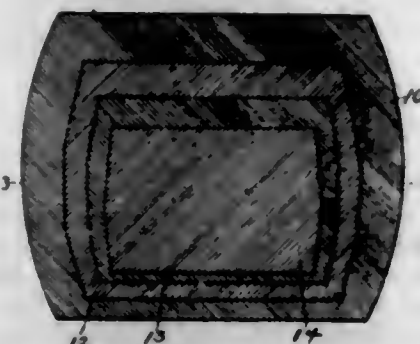
3. A clutch, having in combination, a female clutch member, a male clutch member made up of a plurality of separate segments having, however, a circumferentially sliding interlocking relation with each other, and a plurality of arms for carrying said segments adapted to be spread or contracted radially.

1,513,203. CLUTCH. ERNEST E. WEMP, Detroit, Mich. Filed Nov. 28, 1921. Serial No. 518,234. 22 Claims. (Cl. 192-69.)



1. In a multiple disk clutch, the combination of a plurality of disks with clutch facings, and a plurality of disks each having heat-dissipating portions and also heat reservoir portions.
6. In a multiple disk clutch, the combination of a plurality of driving and driven disks, means for supplying pressure to pack the same, and a cork ring between such pressure-supplying means and the disks for equalizing the pressure distribution.

1,513,204. INSIDE-TIRE CORD PATCH. FRED C. WHITE, Mason City, Iowa. Filed Mar. 8, 1923. Serial No. 623,637. 4 Claims. (Cl. 152-24.)

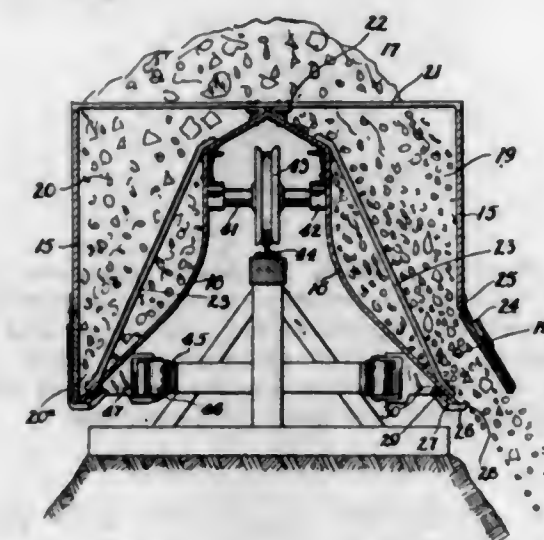


1. An inside tire cord patch comprising a plurality of sheets of impregnated cord fabric cut on the bias and of graduated sizes, said sheets being superimposed and joined progressively, said sheets being so arranged in order from the larger to the smaller that their centers progressively are located greater distances from and on one side of the medium line of the larger sheet, said superimposed and joined sheets being molded into the shape of the interior surface of an arcuate section of a pneumatic tire casing and a gum coating on the convex surface of the assembled sheets.

1,513,205. MONORAIL. THOMAS H. WRIGHT, Los Angeles, Calif. Filed Mar. 15, 1923. Serial No. 625,174. 2 Claims. (Cl. 105-255.)

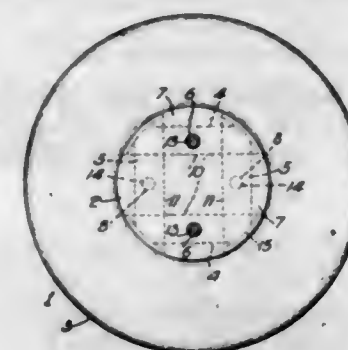
1. A monorail dumping car comprising a body having compartments therein with discharge openings at the opposite sides of the body, doors controlling the openings, a plurality of latching devices for securing each of the doors in closed position, means for simultaneously releasing the latching devices of either door to allow opening of the door, said means comprising a bar mounted

for vertical sliding movement and normally urged to disengaging position with respect to said latching devices,



and means for moving said bar to simultaneously engage all of the latching devices for moving the latter to released position.

1,513,206. DISK TYPE INSULATOR. CHRISTIAN AALBORG, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 13, 1919. Serial No. 337,631. 5 Claims. (Cl. 173-266.)

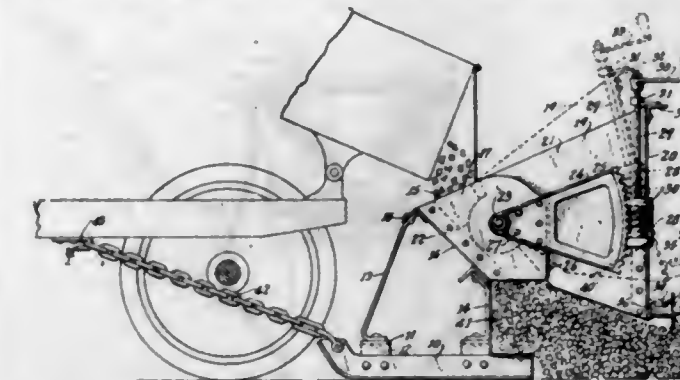


4. An insulator comprising a preformed insulating body member having longitudinally-displaced and substantially right-angulantly-related transverse openings communicating with the outer surface thereof and longitudinal openings extending from each of said transverse openings to the end of the body member beyond the other transverse openings, metal holding members of less length than the diameter of the body member inserted in said transverse openings beyond the surface of the body member, metal terminal members inserted in said longitudinal openings and held in position by said holding members, and bodies of insulating material disposed in said transverse openings between the holding members and the surface of the body member.

1,513,207. INTERIOR WALL FINISH. WALTER B. ALLEN, Worcester, Mass., assignor to Craftex Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1922. Serial No. 595,411. 3 Claims. (Cl. 134-46.)

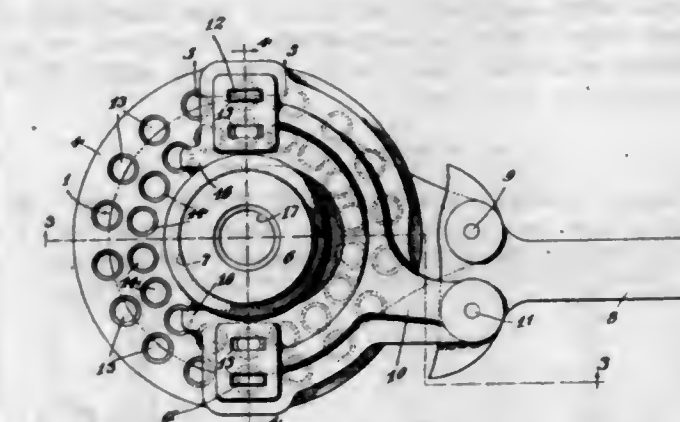
3. A composition for interior wall finish comprising the following ingredients in approximately the proportions set forth, namely, fifteen pounds of casein, five pounds of lime, thirty-five pounds of neutral mineral substances, and forty-five pounds of vegetable fibres.

1,513,208. ADJUSTABLE STONE DISTRIBUTOR. FRANKLIN E. ARNDT, Gallon, Ohio, assignor to The Gallon Iron Works and Manufacturing Company, Gallon, Ohio, a Corporation of Ohio. Filed Nov. 20, 1922. Serial No. 602,121. 19 Claims. (Cl. 94-44.)



1. A distributor for road material comprising a hopper open at its bottom and having a forward section and a rear section, ground-engaging members supporting the forward section of the hopper, the rear section of the hopper being pivotally connected to the forward section, and means for raising or lowering the rear section of the hopper.

1,513,209. RATCHET MECHANISM. RAFFAELE BACCILLIERI, Philadelphia, Pa. Filed Apr. 12, 1924. Serial No. 706,095. 7 Claims. (Cl. 74-54.)



3. In a ratchet mechanism, a ratchet wheel having an annular groove; an arm movable within the groove transversely to its axis, and a pawl slidable in the arm in the direction of the axis of the wheel and adapted to engage and move the wheel.

1,513,210. THERMAL RELAY. HORACE F. BANAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,579. 14 Claims. (Cl. 200-122.)

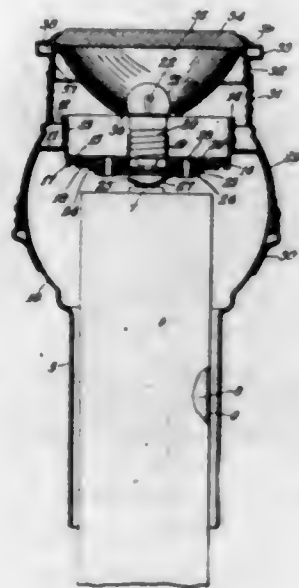


1. An article of manufacture comprising a bimetallic strip having slits therein extending alternately from opposite ends.

1,513,211. FLASH LIGHT. EDMUND R. BARANY, Brooklyn, N. Y., assignor to Franco Electric Corporation, a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,596. 6 Claims. (Cl. 240-85.)

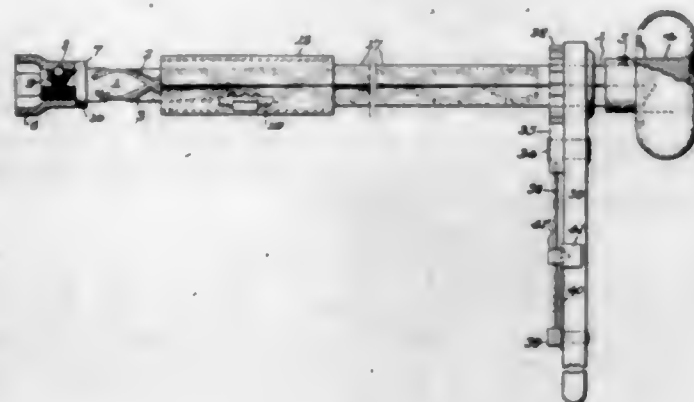
1. A flash light comprising a casing adapted to receive a source of electrical energy and having a head associated therewith, an electric lamp adapted to be placed in circuit with said source of electrical energy, a reflector associated with said lamp, a shield carried

by said head and supporting said reflector, said shield being adapted to be so adjusted upon said head as to change the position of the longitudinal axis of said



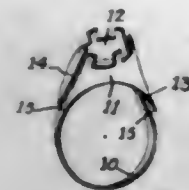
reflector with respect to the axis of said lamp, and a locking ring carried by said shield and adapted to so cooperate with said head as to lock said shield in a given position thereupon.

1,513,212. SPEED RATCHET WRENCH. JOHN H. BEALE and LEO KINCH, Eugene, Oreg. Filed Nov. 6, 1923. Serial No. 673,176. 3 Claims. (Cl. 21—62.)



1. A ratchet wrench or similar tool comprising a spindle having right and left hand spiral grooves thereon, a sleeve surrounding said spindle and having an enlarged portion, two short sleeve like members each having an internal rib to engage one or the other of said grooves and each having a ratchet, two pawls within the enlarged portion of the sleeve, each having a broad end which prevents its relative rotation with respect to the sleeve, and a narrow end which engages the corresponding ratchet, and a slidable pawl actuating member movable to cause either pawl to engage its associated ratchet or to cause both pawls to engage the ratchets and lock the sleeve and spindle against relative rotation, and lever actuated pawl and ratchet mechanism for turning the sleeve and spindle when thus locked.

1,513,213. METHOD OF MAKING FINGER RINGS. DAVID BELAIS, New York, N. Y. Filed Nov. 13, 1923. Serial No. 674,432. 8 Claims. (Cl. 29—160.6.)



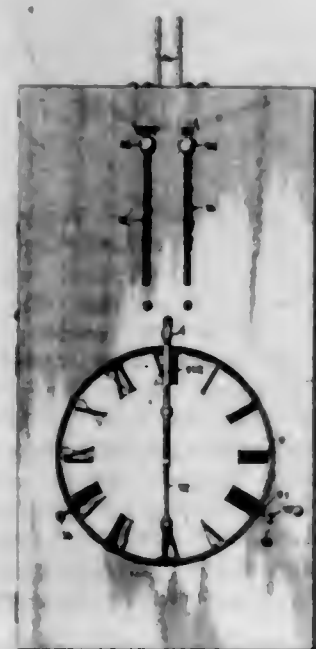
1. A finger ring blank having an elongated portion adapted to form the band of a ring and laterally extending portions adapted to form the crown and means for insuring the correct positioning of edges of the blank to be joined whereby the crown portions will register and the band will have the proper size.

1,513,214. COMBINED COMPUTING AND RECORD TAPE. WILLIAM B. BETTS, Johnson City, N. Y. Filed Aug. 28, 1923. Serial No. 659,785. 2 Claims. (Cl. 234—41.)



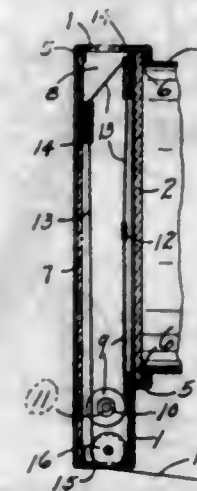
1. A record tape comprising a flexible body portion having conventional means to constitute two series of hour spaces, each provided with hourly fraction indications, the hour spaces of each series being consecutively numbered and with the numbers of one series oppositely disposed with respect to the numbers of the other series.

1,513,215. RECORDING AND WAGE-COMPUTING CLOCK. WILLIAM B. BETTS, Johnson City, N. Y. Filed Sept. 15, 1923. Serial No. 662,978. 52 Claims. (Cl. 234—53.)



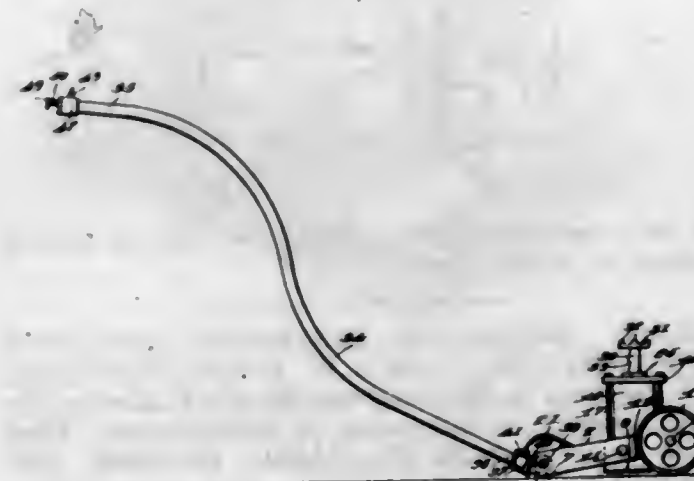
1. An apparatus for the purpose set forth comprising a plurality of independent record tape mechanisms, a recording mechanism common to said record tape mechanisms, means for selectively positioning said record tape mechanisms in cooperative relation with respect to the recording mechanism, and means common to said positioned record tape mechanism to provide for the setting of said mechanisms to record the time of entry or departure.

1,513,216. HEADLIGHT DIMMER FOR AUTOMOBILE HEADLIGHTS. CHRISTIAN BOHLSEN, Oshkosh, Wis. Filed Aug. 2, 1923. Serial No. 655,252. 2 Claims. (Cl. 240—45.4.)



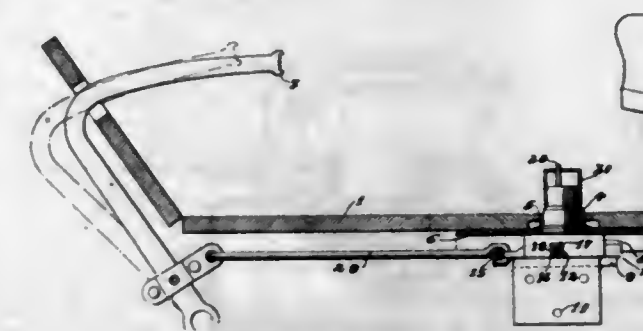
1. In combination with an automobile headlight, a device of the kind described, comprising an auxiliary lens set in an auxiliary frame, the latter being adapted to attach at the front of the headlight with a space forming a curtain way left between the lenses; a spring set roller journaled in the lower portion of the curtain way; a shade on the roller; two pulleys journaled in the top of the frame, one at the center and the other at the side thereof and angularly set and directed toward front and to one side of the frame; a pulley journaled at the bottom and to one side of the frame in alignment with the upper side pulley; and a cord secured to the center top end of the shade and trained up over the upper central pulley, thence over the upper side pulley, thence down over the lower side pulley, and thence to the hand of the operator.

1,513,217. AUTO JACK. FRANK S. BUNKER, Spokane, Wash. Filed Aug. 16, 1921, Serial No. 492,717. Renewed Sept. 15, 1924. 6 Claims. (Cl. 254—2.)



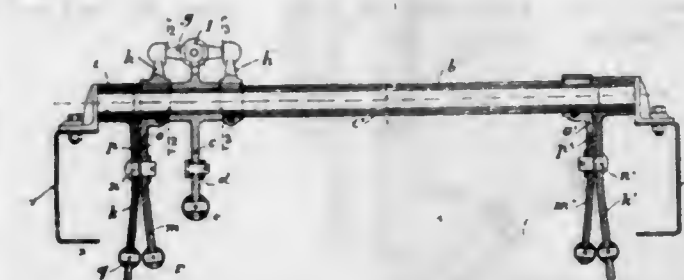
1. An auto jack including a lifting mechanism, a three point support therefor comprising an axle and a pair of supporting wheels on said axle forming two points of support, a substantially triangular frame having its base end journaled on said axle and free from engagement with the floor, and said frame having an apex end for engagement with the floor and forming the remaining point of support, and a handle fixed to said apex end, whereby elevation of said handle will lift said apex end off from the floor and shift the weight onto said wheels.

1,513,218. AUTOMOBILE LOCK. THOMAS N. BURG-HART, Philadelphia, Pa. Filed Sept. 12, 1922. Serial No. 587,705. 7 Claims. (Cl. 70—126.)



1. An automobile lock including a slidably mounted rack bar connected with an operative member of the automobile; a cam having a recess in its face; a spring-pressed member, slidable in the casing transversely to the rack bar, having a beveled face adapted to ride on the face of the cam and a detent adapted to engage a notch in the rack bar when the beveled face registers with the recess, and means for rotatably moving the cam.

1,513,219. CONTROL DEVICE FOR BRAKES UPON THE FOUR WHEELS OF VEHICLES. PIERRE AMÉDÉE FIRMIN CAYLA, Paris, France, assignor to Société Anonyme des Aeroplanes G. Voisin, Seine, France. Filed Feb. 21, 1923. Serial No. 620,451. 4 Claims. (Cl. 188—204.)

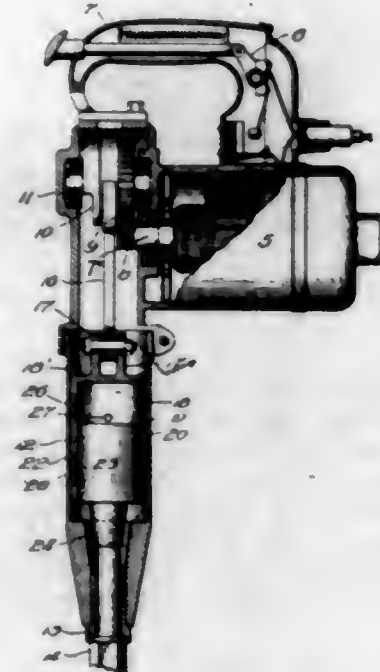


3. In a control device for brakes upon the four wheels of a vehicle the combination with a vehicle frame, front brakes and rear brakes, of a transverse shaft secured to the vehicle frame, an actuating member, an actuating lever pivoted about said shaft and controlled by said actuating member, two swing levers pivotally mounted on said shaft on either side of said actuating lever, a swing bar mounted on said actuating lever and adapted to actuate both swing levers at the same time, two receiving levers mounted loose on said shaft and respectively connected with a rear brake, two other receiving levers respectively connected with a front brake, each of said front brake receiving levers being pivotally mounted on the corresponding rear brake receiving lever, means for operatively connecting each swing lever to one of said front brake receiving levers and stop pieces provided on each of said two swing levers and on the actuating lever for limiting the relative rotation of these three levers.

1,513,220. POWER HAMMER. CHARLES B. COATES, Erie, Pa., assignor to Chicago Pneumatic Tool Co., Erie, Pa., a Corporation of New Jersey. Filed Aug. 14, 1922. Serial No. 581,594. 7 Claims. (Cl. 123—34.)

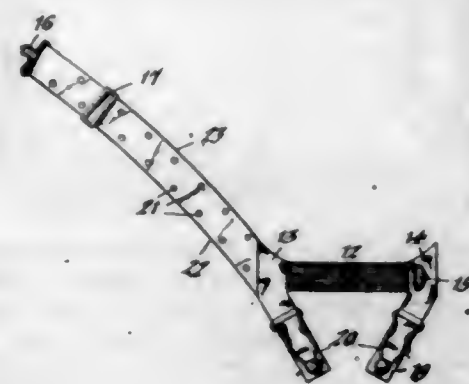
1. In a power-hammer, the combination of an imperforate barrel, a power operated hollow cylinder reciprocable therein and having its intermediate portion re-

duced in diameter to form a space between it and the inner walls of the barrel and having ports communicating between its interior and said space and also having



a free air passage extending from one end to the other to vent the lower end of the barrel, and a piston movable in said cylinder.

1,513,221. HOSE SUPPORTER. PHILIP COHEN, Buffalo, N. Y. Filed May 24, 1923. Serial No. 641,163. 2 Claims. (Cl. 241-6.)

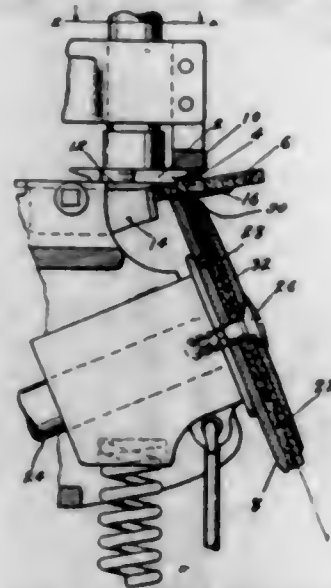


1. A garter, comprising a pair of spaced tabs having downwardly-converging portions for receiving garment fasteners, the lower ends of said tabs being disconnected, an elastic member joined at its ends to the upper ends of said tabs, a leg-encircling band connected at one end to one of said tabs, and means for detachably connecting the other end of said band with the other tab, the converging portions of said tabs being in line with the leg-encircling band in the applied position thereof and always maintained in the same relative converging position regardless of the degree of expansion or contraction of the elastic member.

1,513,222. CHANNEL-LIP-TURNING MACHINE. GEORGE COLEMAN, Lynn, Mass., assignor, by mesne assignments, to Thomas C. Rowen, Swampscott, Mass. Filed Mar. 18, 1920. Serial No. 366,760. 5 Claims. (Cl. 12-30.)

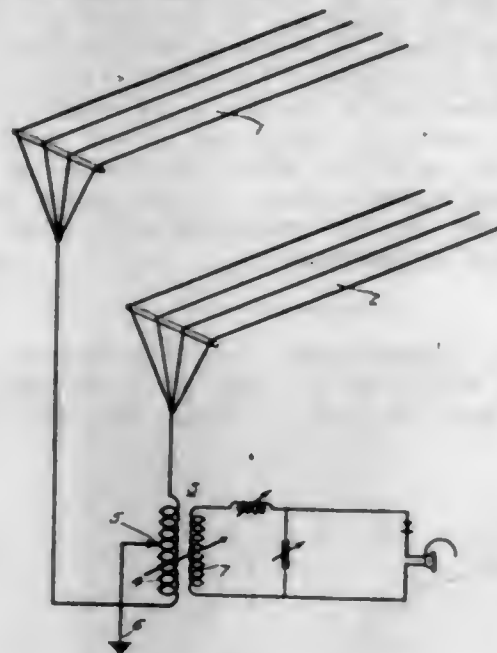
1. A feed mechanism having, in combination, two feed-wheel sections secured together in side-by-side relation,

one of the feed-wheel sections being constituted of rubber, the periphery of the rubber feed-wheel section being cone-



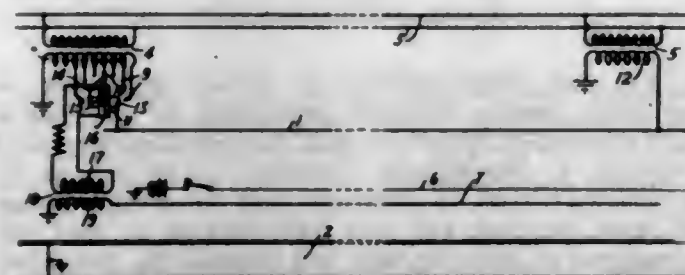
shaped with the walls of the cone converging away from the other feed-wheel section, and means for securing the rubber feed-wheel section to the other feed-wheel section.

1,513,223. RECEIVING CIRCUIT FOR THE ELIMINATION OF STATIC DISTURBANCES. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 17, 1918. Serial No. 258,530. 6 Claims. (Cl. 250-20.)



5. In a signal receiving system, two adjacent flat-top antennas of different height.

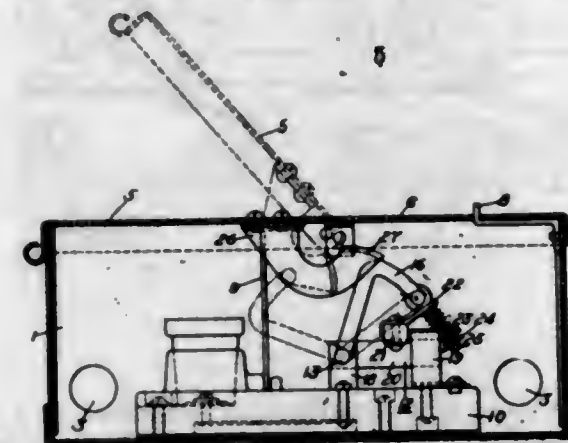
1,513,224. MEANS FOR MINIMIZING INDUCTIVE DISTURBANCES. ALMON W. COPLEY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 9, 1916. Serial No. 113,961. 13 Claims. (Cl. 171-97.)



1. The combination with a conductor of an independent electrical circuit, of an electrical-power-distributing

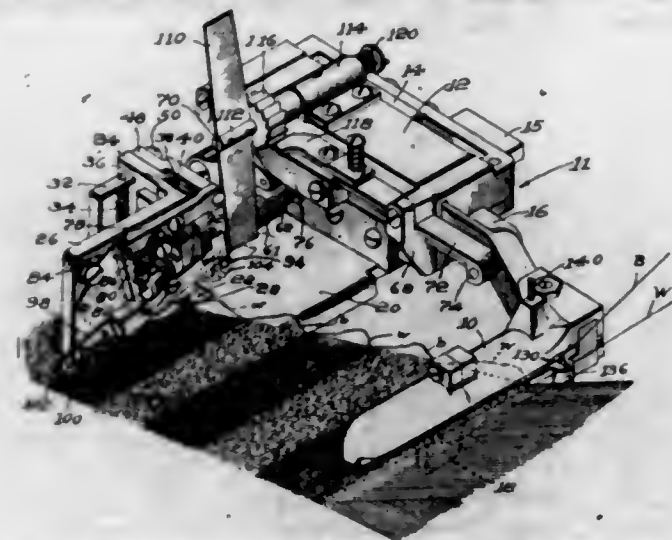
system in inductive proximity thereto, and means influenced by electromotive forces induced in said first conductor for establishing compensating currents in said power system, whereby the inductive effects arising from the flow of power currents therein are substantially neutralized.

1,513,225. SAFETY SWITCH BOX. CHARLES CORDIER, Glendale, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 19, 1919. Serial No. 324,811. 9 Claims. (Cl. 200-50.)



2. The combination with a switch box having two compartments, a fuse in one compartment and a switch in the other compartment, of a hinged door for the fuse compartment, a projection on the hinged door extending into the switch compartment, and a single rod so bent as to constitute an actuating device for the switch and for co-operating with the projection on the door to prevent moving the door when the switch is in its closed position.

1,513,226. TEMPLE SELVAGE TRIMMER. EMERY CORMIER, Nashua, N. H. Filed July 30, 1923. Serial No. 654,528. 50 Claims. (Cl. 139-303.)

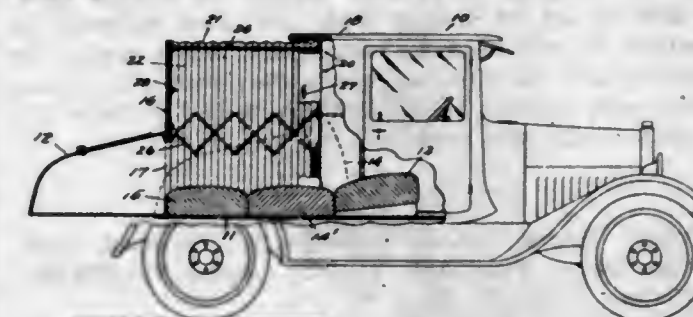


1. In a box loom, mechanism forward of the temple at the box end of the loom for severing the successive selvage loops being formed by the filling threads leading to the bobbin of an idle shuttle while an active shuttle from another box is being picked through the shed, means for producing slack in each loop during its formation, each loop, when completed, lying along the selvage across the stripe formed by the weft threads picked by said active shuttle and having its ends secured to the selvage at each margin of said stripe, and means for operating said mechanism controlled by the movement of the temple to advance the cloth being woven.

1,513,227. AUTOMOBILE. ARTHUR B. CORNELIUS and GEORGE W. YOUNG, Seattle, Wash. Filed Mar. 8, 1923. Serial No. 623,666. 5 Claims. (Cl. 296-23.)

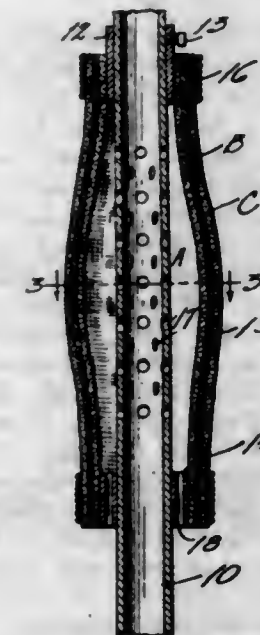
1. In an automobile, a body having a front section provided with a roof and side-wall elements, and a rear

wall arranged for relative longitudinal movements, extensible roof and wall elements adapted to close the opening between said sections when the body is to be



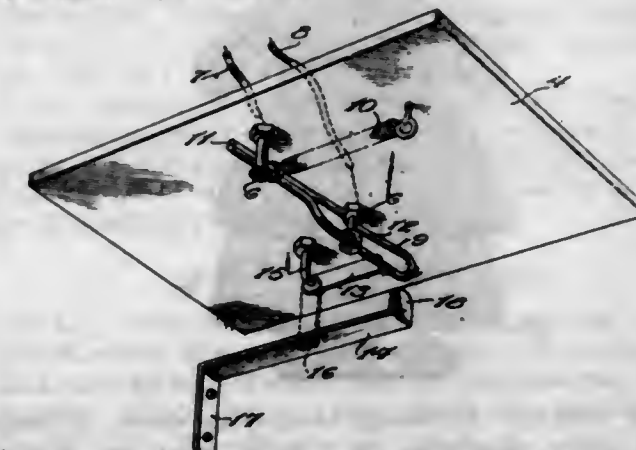
used in its extended position, and casing members provided on the roof and wall elements of said front section to respectively house said extensible roof and wall elements when in their contracted positions.

1,513,228. EXPANSION WELL WASHER. FRANK E. CAOTRO, Tulsa, Okla. Filed Jan. 3, 1922. Serial No. 526,545. Renewed Sept. 2, 1924. 8 Claims. (Cl. 166-20.)



1. In an expansion well washer, a washer pipe, a flexible sleeve surrounding the pipe and having one end closed against the discharge of fluid therefrom, the opposite end of the sleeve having a fluid discharge outlet constantly open, the washer pipe being imperforate except within the flexible sleeve, the discharge of fluid from the constantly open outlet of the sleeve being less than the discharge of fluid from the pipe thru its perforations into the sleeve, whereby said sleeve is expanded.

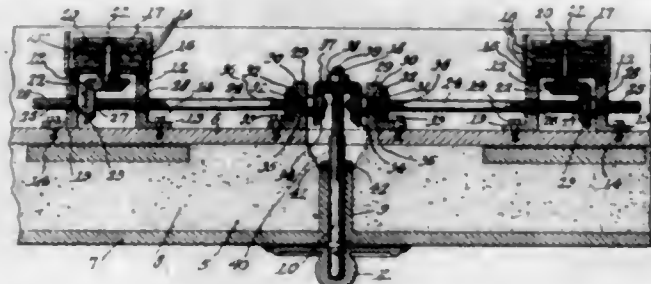
1,513,229. ALARM. HENRY FERDINAND DEMMER, Balinger, Tex. Filed Feb. 28, 1923. Serial No. 621,822. 2 Claims. (Cl. 200-54.)



1. In an alarm, the combination of fixed electric terminals, a switch lever fulcrumed upon one of the terminals and extending past the other terminal, yieldable

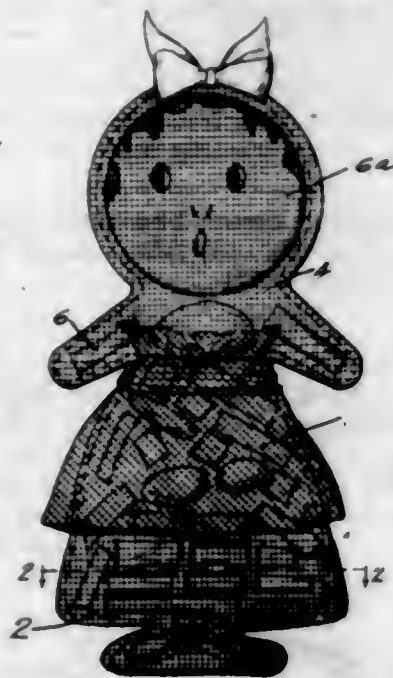
means connected with the lever and tending constantly to effect contact between the lever and said other terminal, means adapted to directly engage the switch lever and hold it out of contact with said other terminal in opposition to said yieldable means, and means carried by a moving part to directly engage the lever and release it from said holding means and maintain the lever out of contact with said terminal.

1,513,230. SAFE LOCK. NORMAN E. DONOHUE, Cambridge, Ohio. Filed Apr. 2, 1923. Serial No. 629,391. 4 Claims. (Cl. 70—53.)



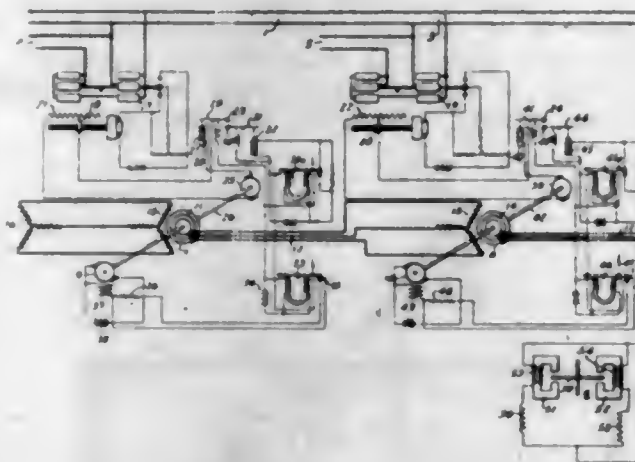
1. The combination with a safe door provided with a rotatable spindle having a screw threaded end portion, of a support separate from the door and detachably mounted thereon at a point remote from the spindle, a shaft carried by the support, a gear mounted upon the inner end of the shaft, a gear having a screw threaded opening for receiving the screw threaded portion of the spindle and engaging the first named gear, a lock casing mounted upon said support, rotatable elements held within the lock casing and having their planes of rotation substantially parallel with the plane of the door, one element serving as a driving element and having a screw threaded opening, an auxiliary spindle mounted within the lock casing and having a screw threaded portion of the same diameter as the screw threaded portion of the first named spindle whereby the auxiliary spindle may be employed to operate the driving element of the lock, a gear mounted upon said shaft, and a gear mounted upon the auxiliary spindle and engaging the last named gear.

1,513,231. CONTAINER FOR CANDY AND THE LIKE. RUTH ENGLISH, Hollywood, Calif. Filed May 10, 1921. Serial No. 470,760. 3 Claims. (Cl. 46—40.)



1. A container for candy comprising sheets of transparent paper simulating an animate figure and secured at their edges to each other, and a foraminous reinforcing covering for the same secured to the edges of said sheets.

1,513,232. MEASURING SYSTEM. ROBERT D. EVANS, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 3, 1917. Serial No. 200,034. 26 Claims. (Cl. 171—34.)



6. The method of determining the summation of a plurality of electrical quantities which consists in generating an electromotive force having a frequency proportional to the instantaneous sum of the various quantities.

1,513,233. CUTICLE AND NAIL SALVE. ROSE P. FANT, Los Angeles, Calif. Filed Sept. 22, 1922. Serial No. 589,928. 3 Claims. (Cl. 167—9.)

2. A cuticle and nail salve comprising boracic acid, alum, bicarbonate of soda, vaseline, glycerin and spermaceti wax.

1,513,234. HASP HOOK. IGNAZ FRITSCH, Vienna, Austria. Filed May 6, 1922. Serial No. 558,983. 6 Claims. (Cl. 292—101.)

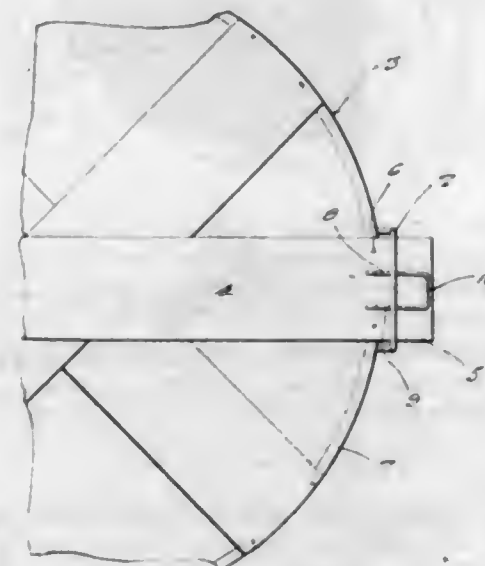


1. A safety fastening device, comprising a movable member, adapted to be swung around a pivot and to resiliently yield in a direction substantially perpendicular to the plane in which it swings, a fixed catch, extending into the path of said movable member, and locking means on said members, adapted to become operative by reason of the movable member resiliently regaining its normal unextended condition.

1,513,235. COVER-SECURING MEANS FOR BASKETS. JAMES O. FRIZZELL, Weslaco, Tex. Filed Mar. 10, 1924. Serial No. 698,251. 5 Claims. (Cl. 217—124.)

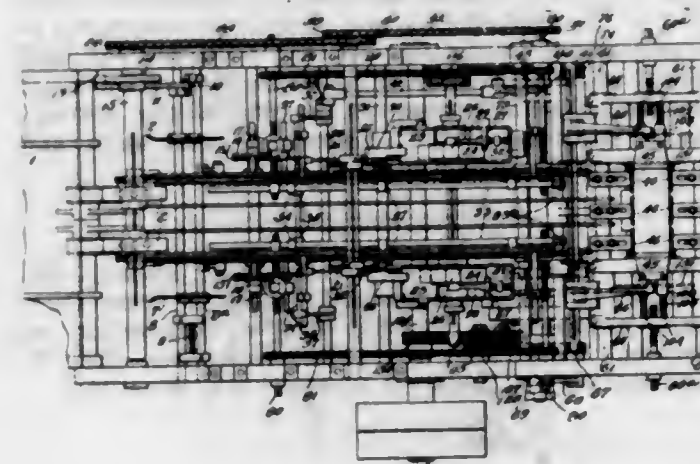
1. In combination with a basket including a looped handle supported adjacent the top thereof, and a cover

for said basket; of means for retaining said cover on said basket comprising an extension formed on said cover and extending through the looped portion of said handle,



and a wire fastener carried by said extension and adapted to be bent over into locked engagement with the right portion of said handle.

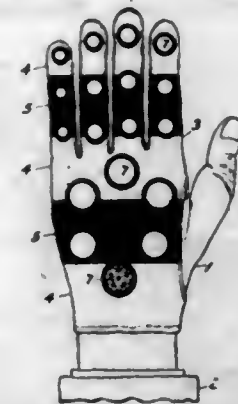
1,513,236. MACHINE FOR MAKING BOXES. HAROLD J. GOSS, Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 2, 1923. Serial No. 610,143. 16 Claims. (Cl. 93—49.)



1. A machine of the character described having, in combination, folding mechanism; a hopper; a pair of endless travelling conveyers positively engaging the blanks to transport the same from the hopper toward the folding mechanism; means for transferring the blanks, one at a time, from the hopper to said conveyers, glue applying mechanism between the hopper and the folding mechanism including a pair of glue transferring rolls, and means for controlling the end flaps of the blank to permit of the engagement of said of said end flaps with said rolls to the exclusion of others.

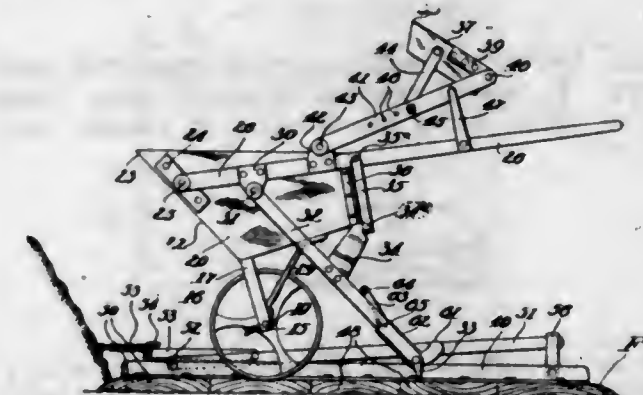
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1,513,237. SIGNAL. DAVID H. GREEN, San Francisco, Calif. Filed Jan. 9, 1923. Serial No. 611,560. 1 Claim. (Cl. 88—1.)



A traffic signal, comprising a thumbless glove having white and black cross-stripes positioned alternately on the entire back thereof and the same studded with colored brilliants for the purpose set forth.

1,513,238. LOADING AND EXCAVATING WHEELBARROW. WILLIAM M. GROSS, Las Vegas, Nev. Filed July 3, 1923. Serial No. 649,230. 5 Claims. (Cl. 214—65.)



1. In combination, a platform adapted for arrangement adjacent a body of material to be loaded, abutments on the platform, a wheelbarrow, comprising a body supported for movement to occupy loading and dumping positions, means carried by the body and engageable with said abutments for effecting a forward and step by step movement of the wheelbarrow, and means for advancing the platform for the purpose described, said means including levers pivotally mounted on the platform, chains connected to the levers, and stakes adapted to connect the chains to the ground.

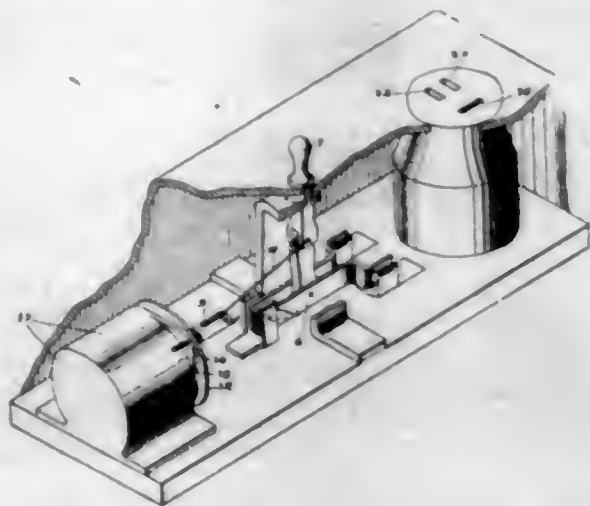
1,513,239. PROCESS OF MOUNTING RESISTANCE ELEMENTS OF ELECTRIC HEATERS. JOHANN GYURIS, Budapest, Hungary, assignor to Hungarian Elekthermax Company Limited, Budapest, Hungary. Filed Apr. 7, 1921. Serial No. 459,346. 6 Claims. (Cl. 219—64.)

1. The method of mounting the resistance elements of electric heaters, which consists in embedding the same in a yielding insulating fireproof material, and securing the latter to the surface to be heated by a thin layer of insulating adhesive substance.

1,513,240. THERMOSTATIC SWITCH. LEONARD DOUGLAS HAMMON, Bay of Plenty, and DAVID WILLIAM MCGILL and HAROLD BATTLE IRYNE, Christchurch, New Zealand. Filed June 6, 1922. Serial No. 566,352. 3 Claims. (Cl. 219—25.)

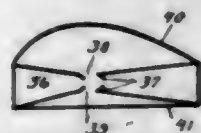
1. A device of the class described, comprising, in combination, a main circuit, a switch in said circuit, electrically operated means for opening said switch, a heating

element in said circuit, a thermostatic device within the influence of said heating element, a normally open switch in the circuit of said electrically operated means, said thermostatic device being adapted when heated to



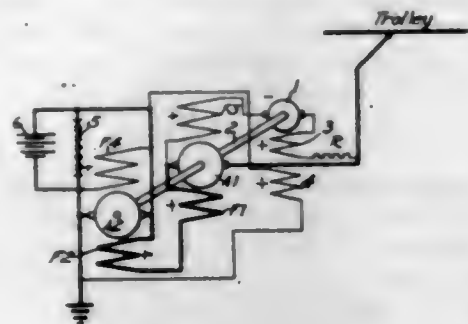
a predetermined temperature to close said last switch thereby to direct a current through said electrically operated means and cause the same to open the main circuit, and means for retaining said circuit open.

1,513,241. VACUUM-FORMING STRUCTURE FOR AIRCRAFT. BROOKS B. HARDING, Humboldt, Nebr. Filed Nov. 10, 1922. Serial No. 600,125. 17 Claims. (Cl. 244-12.)



1. In an aircraft, a wing provided internally with a Venturi passage leading out to the front and rear edges thereof.

1,513,242. ELECTRICAL SYSTEM. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 18, 1919. Serial No. 305,105. 6 Claims. (Cl. 171-224.)

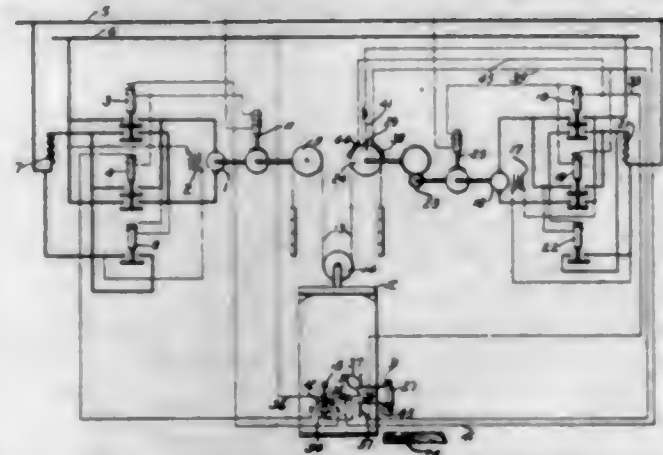


1. The combination with a supply circuit, a motor armature winding and a generator armature winding driven thereby, of an auxiliary armature winding connected to influence the excitation of the motor and the generator armature differently upon a variation of supply-circuit voltage.

1,513,243. ELEVATOR-CONTROL SYSTEM. RAY P. HIGBEE, Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,674. 10 Claims. (Cl. 187-29.)

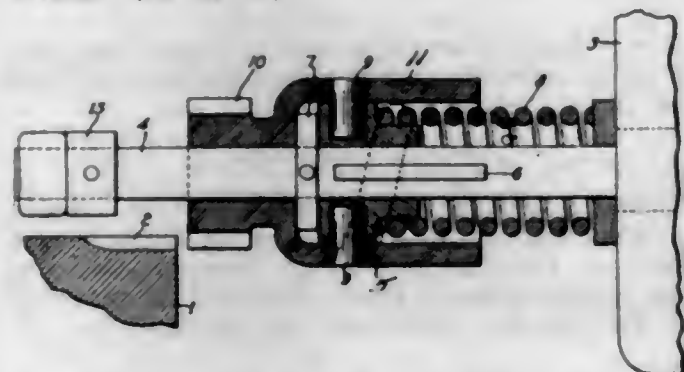
5. In an elevator system, the combination with a main machine and an auxiliary machine, of a hoisting cable

operatively connected at one end to the main machine and at the other end to the auxiliary machine, a car suspended from said cable intermediate the said ma-



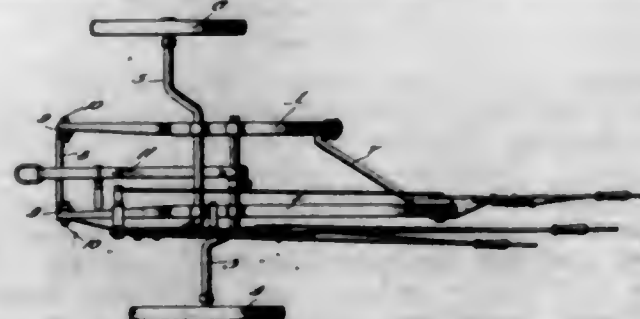
chine, means for operating said auxiliary machine after said machine has become ineffective and means for restoring said auxiliary machine to its normal position.

1,513,244. STARTING MECHANISM FOR AUTOMOBILES. CHARLES H. HODGKINS and CARL H. KINDL, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 18, 1919. Serial No. 331,500. 14 Claims. (Cl. 74-7.)



1. The combination with a shaft and a pinion, of a member movably mounted on said shaft but rotatable therewith, a second member having a pin-and-slot connection to the first member and operatively connected to said pinion and a spring coacting with one of said members, said slot being inclined to the axis of the shaft whereby relative movement of the pin in the slot operates to shift the pinion relatively to said shaft and then to place the spring under stress.

1,513,245. PLOW. OTIS W. HOWARD, Moline, Ill., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Feb. 13, 1922. Serial No. 536,032. Renewed Sept. 6, 1924. 6 Claims. (Cl. 97-103.)



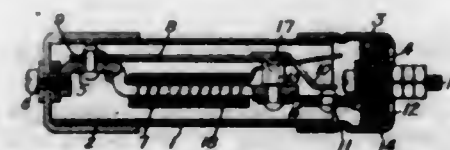
1. A plow having plow beams carrying plow bodies, crank axles and ground wheels for supporting the beams, an adjustable brace between the forward ends of the beams, and a draft device connected to one of the crank axles and associated with the brace so that the height of the draft device is varied when the brace is adjusted.

1,513,246. PROCESS OF MARKING PAPER. WILLIAM JONSE HUGHES, Brooklyn, N. Y. Filed June 16, 1922. Serial No. 568,839. 8 Claims. (Cl. 282-28.)



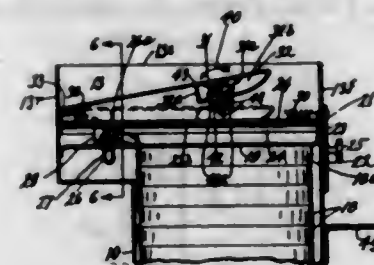
1. The process of marking carbon paper which consists of applying the desired marking in printers' ink to the surface of the paper before the coating of carbon-ink is applied and then applying the carbon-ink over the printed marking and upon the same side of the paper.

1,513,247. ELECTRICAL PROTECTIVE DEVICE. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 5, 1919. Serial No. 308,723. 19 Claims. (Cl. 200-122.)



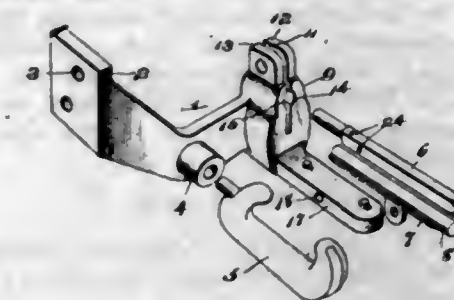
1. A thermal relay for electrical apparatus comprising an enclosing casing, a bimetallic member, and means for controlling the bimetallic member comprising a heat-lagged winding connected to the electrical apparatus for heating the bimetallic member and for controlling the magnetic attracting force thereon to cause it to be actuated with a snap action when it is heated to a predetermined degree.

1,513,248. BREAD-DISPENSING DEVICE. CARL O. JOHNSON, South St. Paul, Minn. Filed Sept. 13, 1923. Serial No. 662,397. 3 Claims. (Cl. 211-8.)



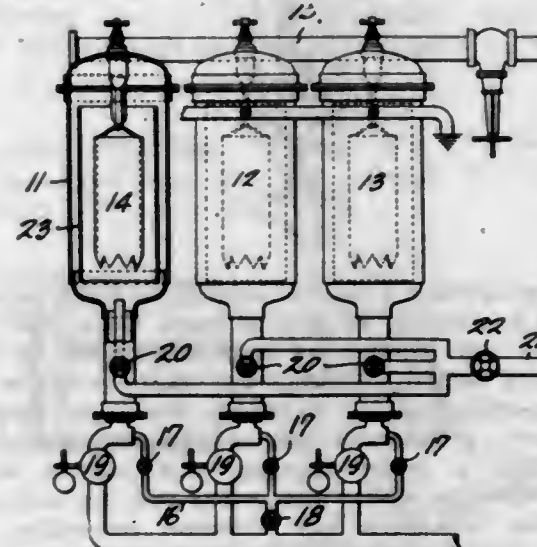
2. The structure specified in claim 1, in which said tripping mechanism comprises a crank shaft arranged horizontally above the ejector slide, means mounted on said shaft and adapted to be engaged by the upright finger of the ejector member to partly rotate said crank shaft during each ejecting movement, a pivoted bar resting with its free end on the crank of said shaft and movable in a vertical plane according to the movement of said crank, a downwardly projecting fixed arm on said bar normally above the path of the ejector but positioned to engage the ejector slide when the crank is down in its lowest position, to lock the ejector in closed position, and means for releasing said ejector slide from its locked position.

1,513,249. YARN STRIPPER. JAMES D. JOYCE, Philadelphia, Pa. Filed Jan. 25, 1924. Serial No. 688,595. 5 Claims. (Cl. 28-71.)



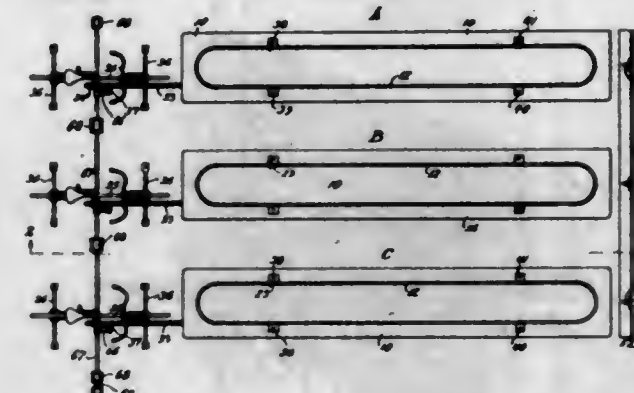
1. In combination, in a yarn or thread stripper for winding machines, a bracket, a laterally extending blade so mounted in said bracket as to permit adjustment around its longitudinal axis, a laterally extending arm on said bracket, and a filament supporting smooth surfaced stem pivotally secured to said arm.

1,513,250. METHOD OF GENERATING AND CONTROLLING THE GENERATION OF STEAM. FREDERICK T. KAELIN, Montreal, Quebec, Canada. Filed Jan. 31, 1922. Serial No. 533,018. 5 Claims. (Cl. 219-40.)



1. A method of generating steam at constant pressure which consists in passing an electric current between electrodes submerged in water in a closed vessel, and regulating the electric conductivity of the water.

1,513,251. AMUSEMENT APPARATUS. EDWARD E. KENNEDY, Bridgeton, N. J. Filed Mar. 18, 1922. Serial No. 544,811. 2 Claims. (Cl. 46-69.)



1. Amusement apparatus consisting of a series of tables having endless trackways of equal length; endless carriers mounted to travel under the trackways; toy racing objects connected with the carriers and adapted to travel in the trackways; means for imparting motion to the carriers; a series of pedal actuated

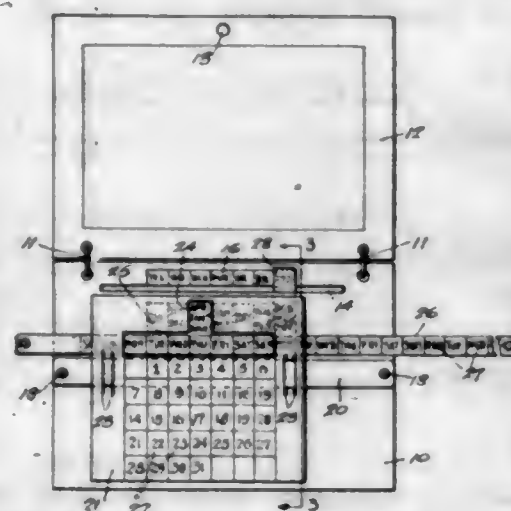
sprockets; a second series of sprockets, each operatively connected with a sprocket of the first series; a shaft carrying a series of levers each adapted to engage a pedal; means for actuating the shaft whereby the pedals may be simultaneously released, and connections between the second series of sprockets and the carrier actuating means whereby the carriers will be driven at a speed having a fixed relation to the speed with which the pedals are actuated.

1,513,252. JACK. HENRY H. LAMPERT, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,497. 1 Claim. (Cl. 254-100.)



A jack comprising a hollow rectangular frame structure formed of a plurality of vertical angle irons, said angle irons being tied together at their upper ends by transverse plates secured thereto, and at their lower ends by a supporting casting to which the angle irons are also secured, a centrally located threaded aperture in said casting, a screw engaging said casting at the threaded aperture, and a supporting base for said screw with which the screw has a swivel connection, said vertically extending angle irons being provided with opposed horizontal slots at different points along their length, and a transversely extending T-bar resting in opposed pairs of said slots.

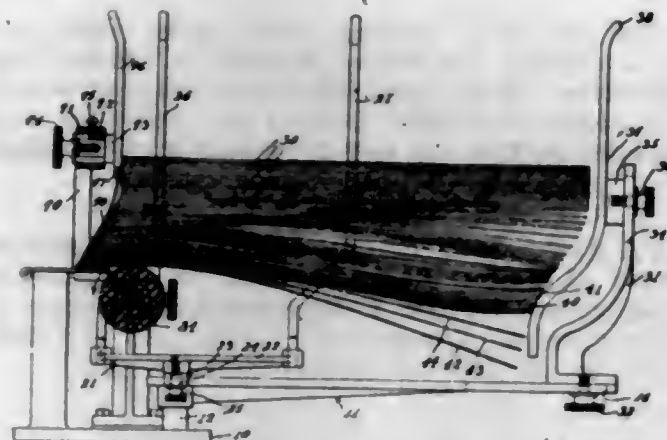
1,513,253. PERPETUAL CALENDAR. RUSSELL C. LAPPE, Columbus, Ohio. Filed June 30, 1924. Serial No. 723,177. 4 Claims. (Cl. 40-109.)



3. A perpetual calendar including a supporting member having thereon fixed year indicating and month designations, an indicator bodily shiftable across the said support having means acting as a pointer in co-

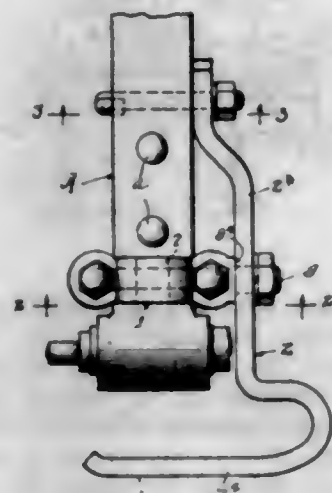
operation with the month designations of the support and also having thereon designations of the days of a month, and a slide cooperating with said indicator and shiftable independently thereof, having week day designations and having means acting as a pointer in cooperation with the year designations of the support.

1,513,254. ENVELOPE AND LIKE FEED MECHANISM. CHARLES L. LOVERCHECK, Brooklyn, N. Y., assignor, by mesne assignments, to George Sague Mfg. Corp., Poughkeepsie, N. Y., a Corporation of New York. Filed Sept. 18, 1920. Serial No. 411,095. 30 Claims. (Cl. 271-41.)



1. In combination, a magazine for holding a pile of flat articles and comprising a rear support; a rotary feed roll at the forward end of said magazine; a guide comprising members forward of the roll; and a downwardly and forwardly pointing tongue against which the articles are forced by said roll and having its lower end disposed between said side members; said rear support having its lower part formed to give a forwardly camming action to the articles near the bottom of said pile and to form a slight hump below which the rear edge of the several lowest articles may fall when they are drawn forwardly by said feed roll thereby spacing the rear and intermediate part of said lowest articles from the pile; the lower part of said tongue being far enough from said hump to permit only a few of the lowest articles to fall below the hump, the intermediate part of the tongue holding the intermediate articles from falling below the hump.

1,513,255. ATTACHING BRACKET FOR AUTOMOBILE BUMPERS. WILLIAM R. MCGOWEN, Chicago, Ill. Filed Nov. 9, 1923. Serial No. 673,637. 6 Claims. (Cl. 293-55.)



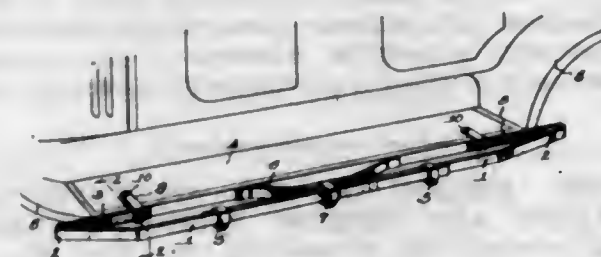
1. In a bumper attaching device, the combination with the frame member of an automobile, of an arm extending rearwardly from a bumper, a U-bolt fitting around said frame member, and a bar extending transversely of said U-bolt, and having a portion projecting therefrom to engage said arm.

1,513,256. AUTOMOBILE BUMPER. WILLIAM R. MCGOWEN, Chicago, Ill. Filed Nov. 9, 1923. Serial No. 673,638. 2 Claims. (Cl. 293-55.)



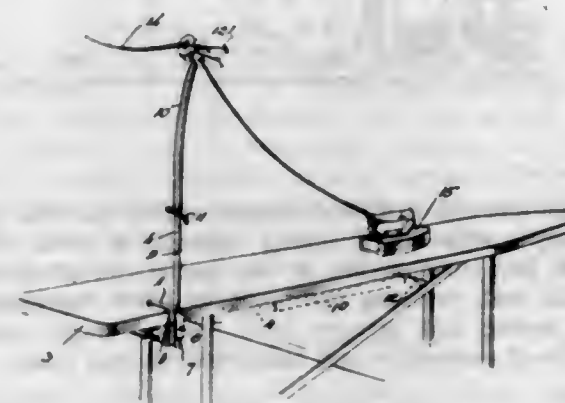
1. A bumper comprising an impact member consisting of resilient bars spaced apart vertically, bars extending transversely from said impact member for attachment to an automobile, and provided with U-shaped loops intermediate their ends, and intermediate connecting members comprising bolts extending transversely of said impact member and blocks carried on said bolts and engaging the edges of said bars, said attaching bars having hinged connection with said impact member through the medium of looped ends engaging said bolts intermediate said bars.

1,513,257. AUTOMOBILE SIDE BUMPER. WILLIAM R. MCGOWEN, Chicago, Ill. Filed Nov. 9, 1923. Serial No. 673,639. 5 Claims. (Cl. 293-55.)



1. A bumper of the character described comprising a resilient impact bar adapted to extend parallel to and spaced from a supporting member and having straight and inclined portions toward the plane of said supporting member, and thence bent at an acute angle to form substantially pointed ends, and inwardly turned extremities adapted to be secured in flatwise contact to said supporting member.

1,513,258. CONDUCTOR SUPPORT. JOHN MANZ, Detroit, Mich. Filed July 23, 1923. Serial No. 653,401. 6 Claims. (Cl. 68-9.)



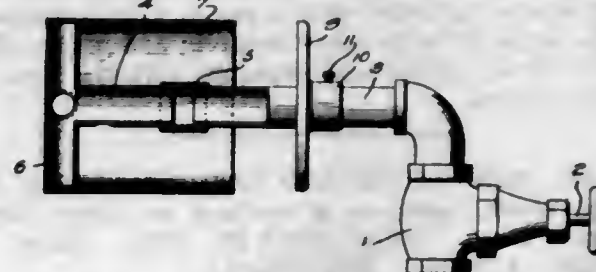
1. A support comprising a standard, clamping means carried by one end of said standard, a spiral spring mounted upon said standard and slidable longitudinally thereof, and a clamp carried by the free end of said spiral spring.

1,513,259. ARTICLE OF MANUFACTURE. FUJITARO MIYATA, New York, N. Y. Filed Feb. 10, 1923. Serial No. 618,430. 4 Claims. (Cl. 41-21.)



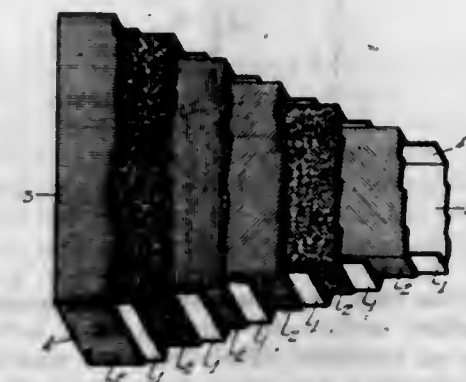
1. An article of the character set forth comprising a main portion constructed of translucent material having a cut out portion across which a thin transparent film is placed whereby the light from a source of illumination will pass through said film covered cut out portion in contrasting rays of greater brightness than the rays which pass through the translucent material.

1,513,260. BURNER. EDWARD W. MOORING, Casper, Wyo. Filed Mar. 28, 1924. Serial No. 702,669. 3 Claims. (Cl. 158-99.)



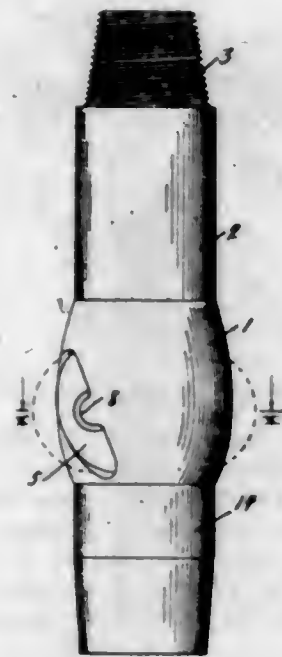
1. A gas burner comprising an inlet pipe, a pair of crossed pipes arranged on the end of said inlet pipe, said crossed pipes being provided with perforations, said perforations being arranged at an angle to the axes of said pipes, a cylinder surrounding said pipes and means for controlling the admission of air to said cylinder.

1,513,261. GAME. EDWARD J. NEINER, Erie, Pa. Filed May 20, 1922. Serial No. 562,273. 5 Claims. (Cl. 46-37.)



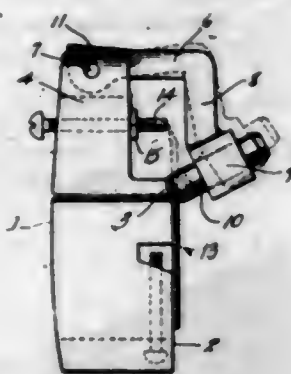
1. A game comprising a series of associated box blanks of sizes adapted to make a set of box bodies and a set of box covers and of stepped sizes to make the boxes comprising assembled bodies and covers formed from said blanks so proportioned that one box will fit within the next larger box.

1,513,262. UNDERREAMER. WALT NEWBROUGH, Wilmington, Calif., assignor of one-half to George Chalker, Wilmington, Calif. Filed May 24, 1923. Serial No. 641,181. 5 Claims. (Cl. 255-76.)



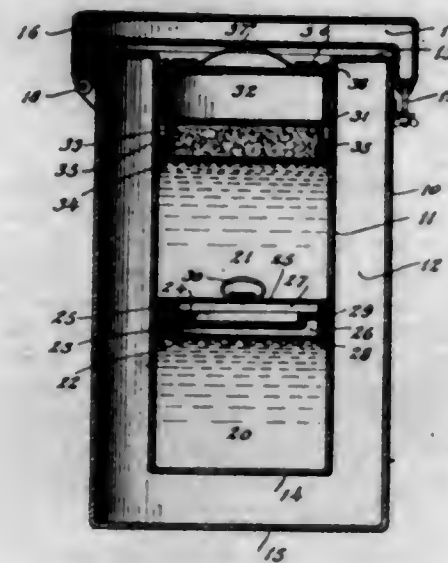
1. In an underreamer of the character described, a retaining member provided with a recess, a knob extending into the recess so as to point inwardly and a disc cutter having a recess in its back engaging with the knob for universal motion.

1,513,263. SAW GAUGE AND SET. FRANK NOE, Lillwau, Wash., assignor of one-half to Soren Jensen, Seattle, Wash. Filed Mar. 26, 1923. Serial No. 627,881. 1 Claim. (Cl. 76-65.)



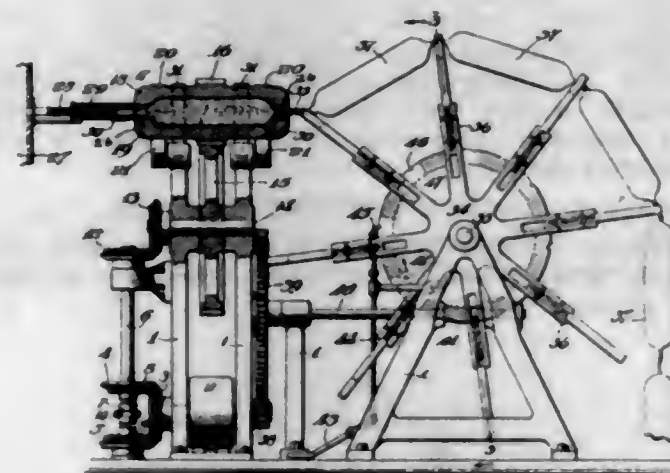
A tool of the class described, comprising an anvil block having a planar surface terminating in a beveled edge, and having an extension offset from the planar surface, a hammer pivotally supported from the extension and comprising a striking member adapted to co-act with the beveled surface in setting a saw tooth, and a gauge bolt threaded through the extension of the anvil whereby the set of the teeth may be gauged, said hammer having a thumb piece whereby it may be raised and lowered from contact with the tooth.

1,513,264. VACUUM CONTAINER. RUDOLPH C. G. STAATS OELS, Brooklyn, N. Y. Filed May 22, 1922. Serial No. 562,622. Renewed June 26, 1924. 3 Claims. (Cl. 220-9.)



1. In a vacuum container, adjustable means to divide the container into separate compartments, said means provided with a partition composed of two separable members each of which is provided with a vacuum chamber.

1,513,265. METHOD OF AND APPARATUS FOR MOLDING AND LINKING SAUSAGES. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed Mar. 24, 1924. Serial No. 701,309. 17 Claims. (Cl. 17-33.)

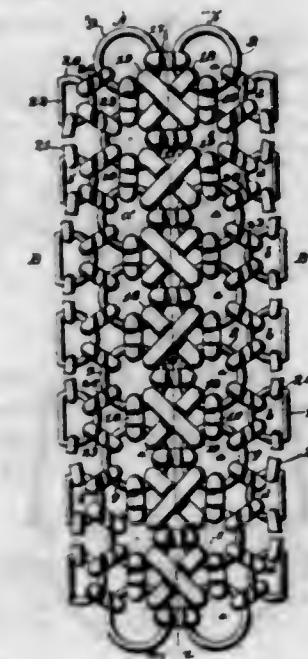


1. The method of filling casings, which consists in progressively advancing a casing through a mold, feeding material into the portion of the casing contained within the mold and utilizing the mold to limit the expansion of the casing and thereby form from a single casing a plurality of successive and connected molded links.

1,513,266. FLEXIBLE CHAIN MAT FOR PNEUMATIC AND OTHER TIRES. JOHN F. OLDFIELD, Bel Air, Md. Filed Dec. 8, 1919. Serial No. 343,151. 6 Claims. (Cl. 152-16.)

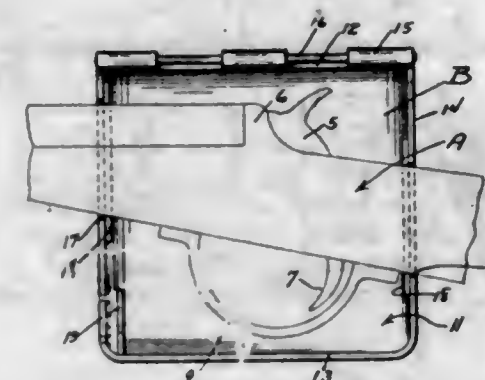
2. A flexible armored covering for tires including a plurality of chains symmetrical to the line of tread

substantially parallel therewith each chain comprising spaced rings tangential to the tire and alternate con-



necting links; and links connecting the rings of adjacent chains in lines inclined to the line of tread.

1,513,267. SAFETY GUARD. LEO CHARLES PARKS, Colliers, W. Va. Filed Dec. 8, 1923. Serial No. 679,441. 2 Claims. (Cl. 42-1.)



1. The combination with a firearm including a barrel, a stock, a hammer and a trigger, of a guard for the firearm including a pair of companion sections, means hingedly connecting the sections together at one edge, a key operated lock for normally holding the sections against relative movement to one another, the opposite ends of the sections being provided with notches for receiving the barrel and stock of the gun respectively, whereby the guard can be placed about a gun to house said hammer and trigger.

1,513,268. AUTOMATIC FILM-WINDING CAMERA. JOHN B. PAWLEY, Binghamton, N. Y., assignor, by mesne assignments, to Ansco Photoproducts, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 9, 1923. Serial No. 630,691. 17 Claims. (Cl. 242-71.)

1. In combination with a camera, means for automatically shifting the film therein, releasing and stopping

mechanism for said automatic means, a controlling lever, and safety means including a pivoted arm carried



by said controlling lever which renders said releasing and stopping mechanism inoperative at all times except upon actuation of said lever.

1,513,269. THERMAL RELAY. THOMAS S. PERKINS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1920. Serial No. 396,526. 13 Claims. (Cl. 200-123.)

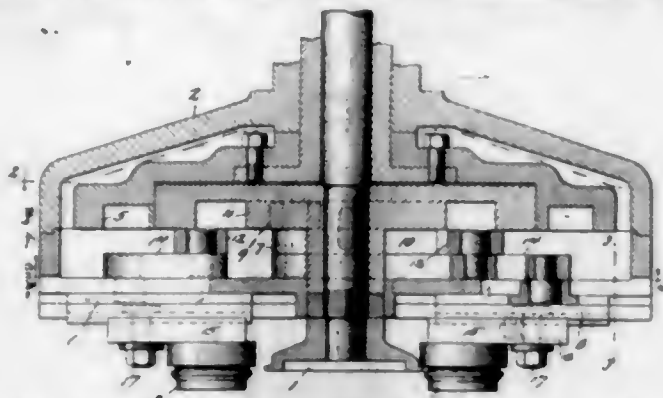


1. A thermal relay comprising a cylindrical casing provided with ferrules at the ends thereof, a winding disposed within the casing and connected between the ferrules thereof, a movable member responsive to the magnetic influence of the winding, and means thermally influenced by the winding for retaining the movable member at one end of the casing and precluding movement thereof by the winding until heated by the winding to a predetermined degree.

1,513,270. SEAMING MECHANISM. JOSEPH PEYSER, Mount Vernon, N. Y. Filed Oct. 29, 1921. Serial No. 511,342. Renewed Mar. 25, 1924. 11 Claims. (Cl. 113-20.)

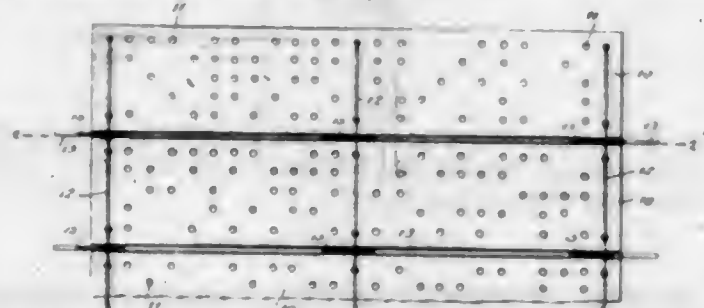
1. Seaming mechanism for square or irregular-shaped containers comprising: a chuck, a seaming head, a plu-

rality of seaming tools carried by the seaming head, a follow-cam the shape of which is complementary to that



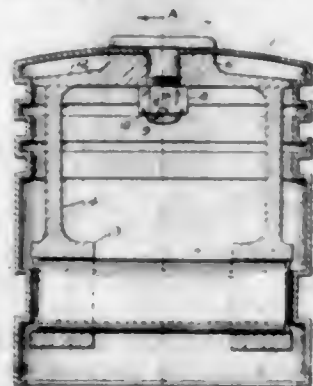
of the container, a seamer cam, and connections for imparting the combined movement of the two cams to the seaming tools.

1,513,271. JACQUARD ATTACHMENT FOR LOOMS. ZDENKO PODHRADSKY, Astoria, N. Y., assignor to H. R. Mallinson & Co., Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 21, 1923. Serial No. 681,904. 4 Claims. (Cl. 139—333.)



1. In a Jacquard attachment for looms, the combination of a plurality of perforated cards, flexible connections tying said cards together, a supporting wire extending lengthwise between adjacent cards and resilient clamping means facing in the same direction for detachably connecting said wire with said flexible connection.

1,513,272. SHEET-METAL PISTON. ARMAND V. POURROY, Oakland, Calif. Filed Apr. 6, 1922. Serial No. 549,985. 10 Claims. (Cl. 74—108.)

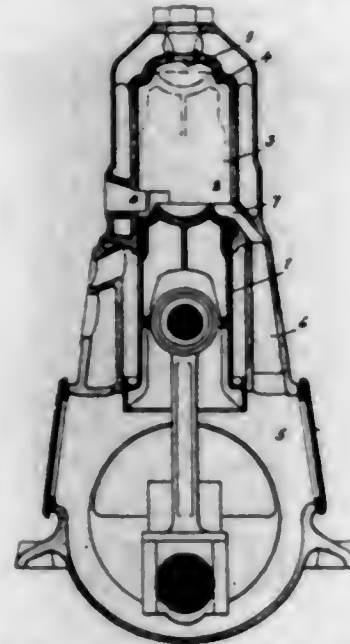


1. In a piston, a single-piece shell provided with narrow ring grooves near its top, and a wide ring groove below said narrow ring grooves, the internal peripheral surface of said wide groove forming a bearing-wall.

1,513,273. INTERNAL-COMBUSTION ENGINE. HJALMAR JOHAN RANDERZ, Backebo Nacka, Sweden, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden, a Corporation of Sweden. Filed Feb. 6, 1923. Serial No. 617,340. 4 Claims. (Cl. 123—30.)

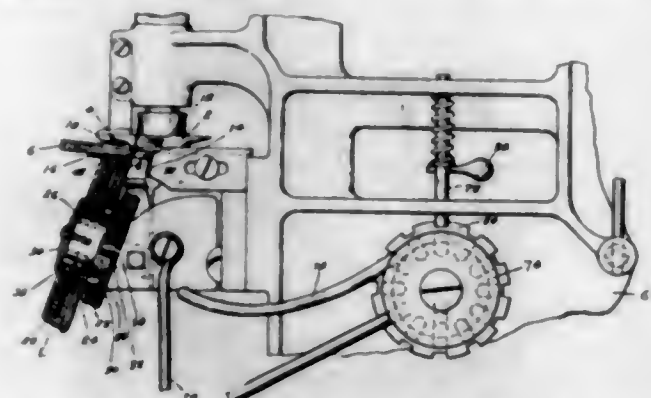
In an internal combustion engine the combination with a cylinder having inside a shoulder-shaped part and a piston reciprocally mounted in said cylinder and

having a recess in the working face thereof, co-operative with the same shoulder-shaped part, as the piston approaches the limit of its compression stroke, said piston having the portion thereof lying inwardly of the recess cup-shaped, of a cylinder head, having the portion there-



of, lying inwardly of the shoulder-shaped part, calotte-shaped with curve-shaped cross section, which right from the said shoulder approaches the longitudinal centre line of the cylinder, and a fuel inlet provided at the centre of the calotte-shaped surface.

1,513,274. CHANNEL-LIP-TURNING MACHINE. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor, by mesne assignments, to Thomas C. Rowen, Swampscott, Mass. Filed Feb. 26, 1920. Serial No. 361,532. 18 Claims. (Cl. 12—30.)

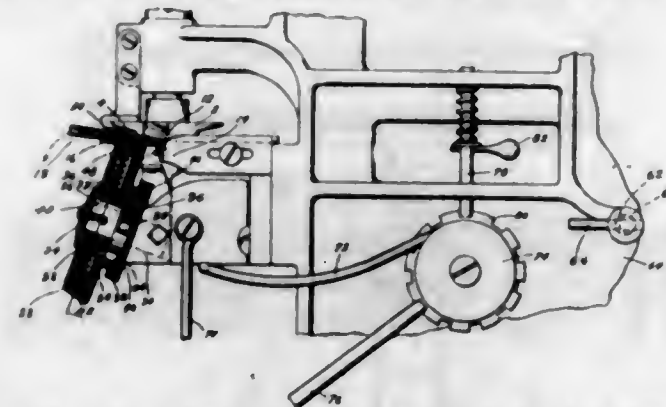


1. A channel-lip-turning machine having, in combination, a frame, a shaft vertically mounted in the frame, a wiper carried by the lower end of the shaft so as to be horizontally rotatable, the wiper being provided with a wing inclining upwardly away from the shaft adapted to turn the channel lip of a shank-stiffened, channeled sole, and means for feeding a shank-stiffened, channeled sole to the wiper comprising a feed wheel mounted at an incline to the vertical having a section positioned so that the upper portion of the section is adapted to grip firmly a portion of the sole adjacent to the shank stiffener along the edge of the sole, the feed wheel having a section of smaller diameter than the first-named section.

1,513,275. CHANNEL-LIP-TURNING METHOD. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor, by mesne assignments, to Thomas C. Rowen, Swampscott, Mass. Original application filed Feb. 26, 1920, Serial No. 361,532. Divided and this application filed Sept. 2, 1922. Serial No. 585,909. 5 Claims. (Cl. 12—146.)

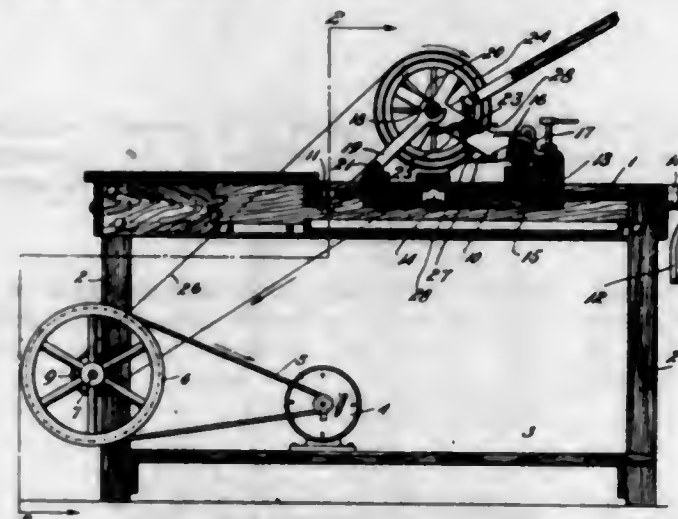
5. The method of turning the channel lip of a sole that is stiffened with a shank stiffener applied to one

face thereof that comprises firmly gripping the said face of the sole along an edge, yieldingly gripping the shank stiffener, firmly gripping the other face of the sole, feed-



ing the sole, while so gripped, first at a comparatively low speed to prevent damaging the sole and then at a comparatively high speed, and turning the channel lip of the sole as it is fed.

1,513,276. GRINDER FOR LAWN MOWERS. NATHANIEL A. ROYER, Hartsville, Ohio. Filed Sept. 23, 1922. Serial No. 590,009. 3 Claims. (Cl. 51—26.)



1. In a machine for sharpening lawn mowers, a bed, a frame slidable on the bed and having means for supporting a lawn mower, a drive pulley on the bed, and a belt for connecting the drive pulley with a traction wheel of a lawn mower for turning the cutting wheel against the cutter bar to sharpen the same.

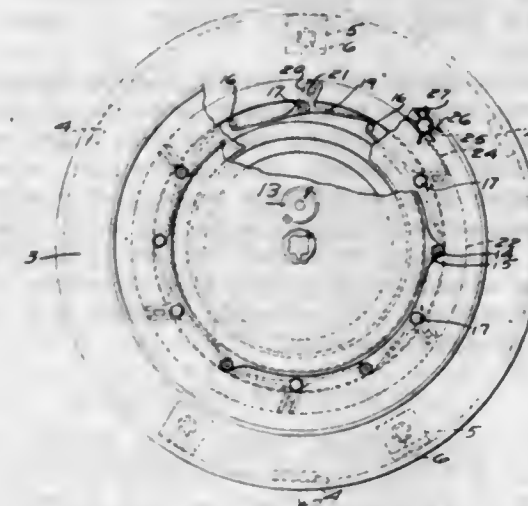
1,513,277. WINDOW SCREEN AND SHADE. ANTHONY SADOWSKI, Girardville, Pa. Filed Nov. 13, 1922. Serial No. 600,583. 3 Claims. (Cl. 156—24.)



2. In combination, a window frame, a sash slidable therein, a shade roller carried by said sash, a shade attached to said roller, a second roller carried by said sash

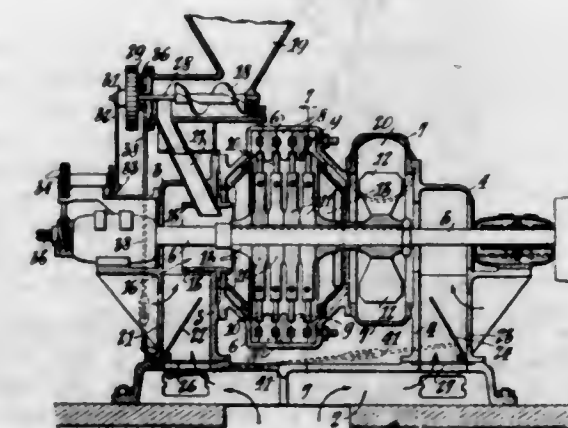
and normally positioned below said first roller and between the shade and the window frame, and means for swinging said second roller upwardly to a position above said first roller and with said shade passing upward from said first roller over said second roller to depend downward from the latter, comprising a pair of hinged arms having said roller mounted on their free ends.

1,513,278. AIR REGISTER. EDWIN BEALE SADTLER, New York, N. Y. Filed Sept. 6, 1923. Serial No. 661,246. 10 Claims. (Cl. 110—172.)



8. An air register comprising a furnace front plate, a ring thereon, an outer plate, a ring thereon, bolts passing through said plates to hold them assembled, spacing devices on said bolts to hold the furnace front plate and outer plate in spaced relation, other bolts passing through the outer plate and threaded into the ring, doors swinging on said latter bolts and closing against said spacing devices, and means for adjusting the position of said doors.

1,513,279. COAL PULVERIZER. FRANK SAWFORD, Vancouver, British Columbia, Canada. Filed June 12, 1923. Serial No. 644,942. 9 Claims. (Cl. 83—11.)



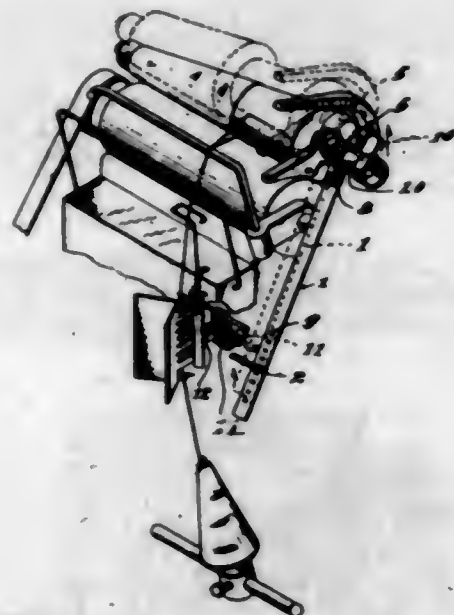
1. A means for pulverizing coal or the like material and for delivering it for combustion, said means comprising a rotatable body having projections on its periphery, a spoked wheel at each end of the rotatable body and rotatable with it, each wheel having a rim which is conically reduced from approximately the diameter of the rotatable body and its projections, a casing enclosing the rotatable body and conforming closely to the space swept by its projections and the conical rims of the wheels rotatable with it, said casing having projections inter-

spaced with those of the rotatable body, means for delivering the coal to be pulverized within the conical rim of the wheel at one end of the rotatable body, means for delivering a controlled supply of air with the coal, means for withdrawing from the other end of the casing the air with such coal dust as is held in suspension with it and for delivering it outside of said casing, and means for varying the draught of air through the casing.

1,513,280. PROCESS FOR THE PRODUCTION AND RECOVERY OF METALS IN FINELY DIVIDED FORM. WALTER A. SCHMIDT, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 10, 1921. Serial No. 451,157. 8 Claims. (Cl. 75-153.)

1. The process which consists in heating material containing metallic zinc in a chamber so as to melt and volatilize the zinc, introducing substantially inert gas into said chamber and thereby ejecting the zinc vapor from said chamber so as to increase the rate of volatilization of the zinc, subjecting the gas passing from said chamber and containing volatilized zinc to condensing and separating operations to recover zinc therefrom in finely divided condition, and returning residual gas to said chamber in cyclic operation.

1,513,281. AUTOMATIC CONE AND TUBE GAUGE. MICHAEL J. SHEEHAN, New Bedford, Mass., assignor of one-half to Thomas J. Charette, New Bedford, Mass. Filed Feb. 18, 1922. Serial No. 537,595. 5 Claims. (Cl. 242-39.)

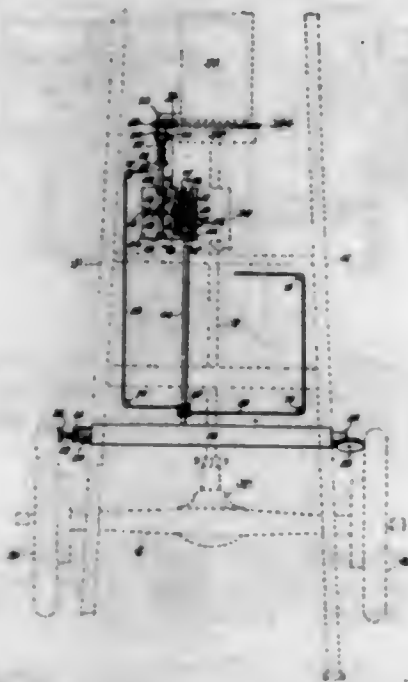


1. In a cone and tube winding machine including a stop motion, a gauge device comprising a rod having means for attaching the same to the cone or tube holder whereby said rod will have a movement commensurate with the increase in diameter of the cone or tube, and a detent on said rod for engaging and actuating the stop motion when the cone or tube reaches a predetermined size.

1,513,282. POWER JACK. THOMAS H. SHIELDS, Shingle, Calif. Filed Oct. 4, 1923. Serial No. 666,504. 3 Claims. (Cl. 180-1.)

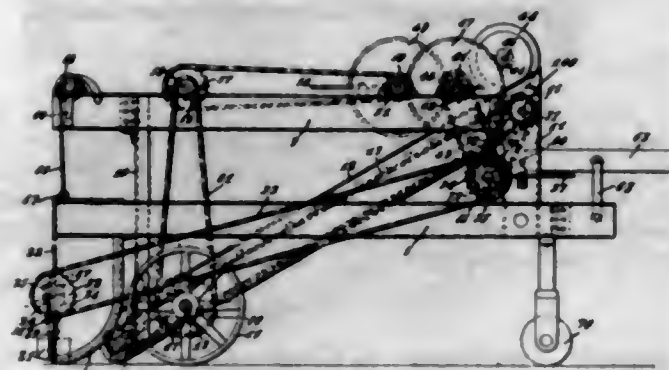
1. In a device of the class described, the combination with an automobile having a power plant and a fly wheel, of means including ground engaging wheels carried by the frame of said automobile for raising and lowering

the rear wheels of the latter in respect to the ground, means for connecting the first mentioned means with the fly wheel of said power plant for operating the same,



and means for driving one of said ground engaging wheels from one of the rear wheels of the automobile for moving the rear end of the latter laterally in either direction.

1,513,283. SAND CUTTING AND SCREENING MACHINE. BOYD M. SIMPSON, Bellefontaine, Ohio. Filed Feb. 20, 1922. Serial No. 537,941. 2 Claims. (Cl. 198-9.)

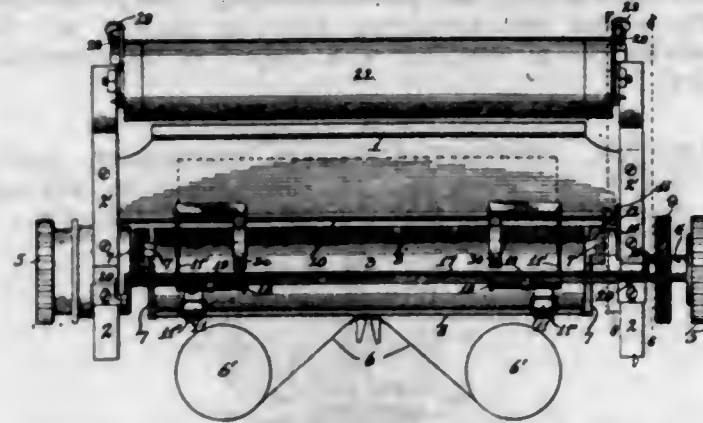


1. In a machine of the class described, a supporting frame, a movable frame, a plate supported by the movable frame, feeding members operating over the plate, a shaft for supporting the feeding members, each of said feeding members including arms secured to the shaft, said arms having hollow portions, arms extending into the hollow portions, springs in the hollow portions for moving the last mentioned arms with respect to the first mentioned arms, and means supported by the arms and adapted to move over the plate to force material rearwardly thereon.

1,513,284. PAPER FEED AND CUTTING MECHANISM FOR TYPEWRITERS. WILLIAM H. SINCLAIR, Berkeley, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Dec. 12, 1923. Serial No. 660,132. 12 Claims. (Cl. 197-133.)

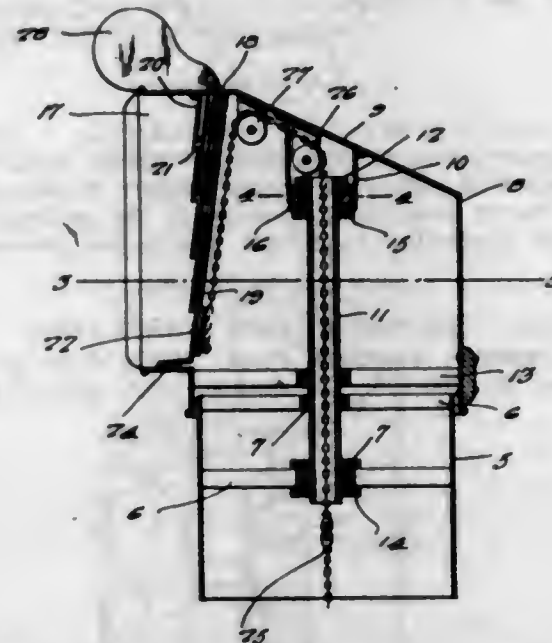
1. In combination with a platen and platen-carriage of a typewriter, and a pair of paper-fingers carried by

the platen-carriage adapted to guide the paper after passing the line of type impact said paper-fingers being mounted for relative adjustment lengthwise of the platen,



a cutting-member slidably fitted upon both said paper fingers, and extending parallel with the platen, to enable the typed paper to be severed into lengths.

1,513,285. VENTILATOR. SAMUEL SLAVIN, Dorchester, Mass. Filed Jan. 10, 1924. Serial No. 685,406. 1 Claim. (Cl. 98-3.)

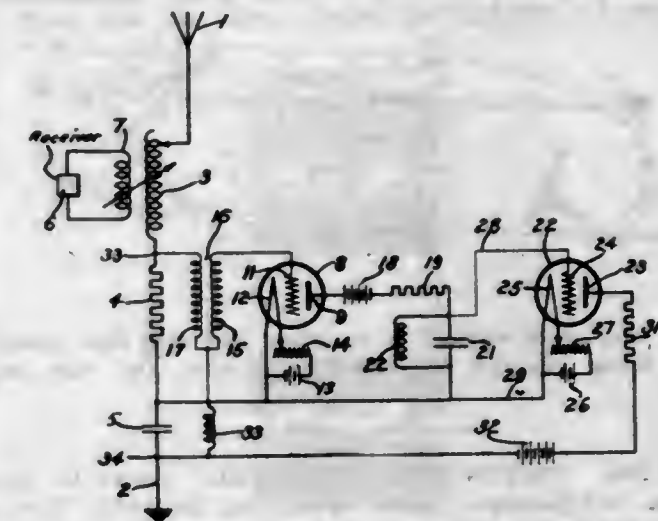


A ventilator of the class described comprising a pair of telescopically connected relatively rotatable cylindrical sections, one of said sections being equipped in one side with an air discharge opening, a closure for said opening, said sections being provided with internal spiders which are in turn provided with centrally disposed vertically aligned guide eyes, a tube extending through said eyes, the upper section being provided with an internally depending bracket having an opening through which the upper end of the tube extends, spaced pairs of supporting shoulders secured to the upper and lower ends of said tube, the lower pair of shoulders cooperating with the lowermost guide eye, one of the upper pair of shoulders being engaged with said bracket, and anti-friction means interposed between the remaining shoulder and said bracket, guide rollers carried by said upper section, and an operating chain for the closure connected with the latter and passing over said guide rollers and downwardly through said tube.

1,513,286. STATIC ELIMINATION SYSTEM. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 16, 1921. Serial No. 515,581. 13 Claims. (Cl. 250-20.)

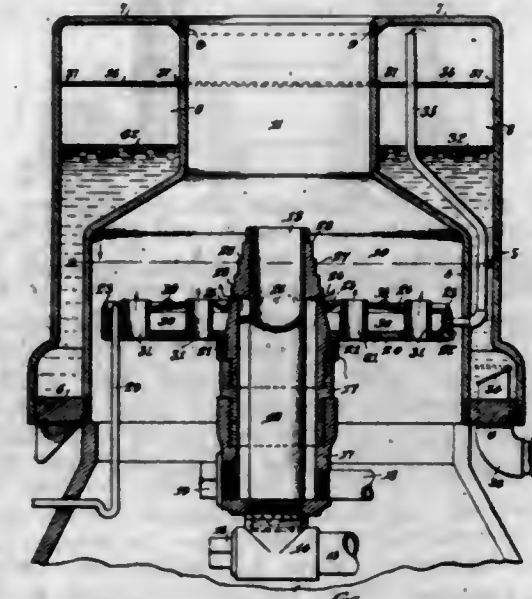
1. In an electrical system, a circuit carrying currents, an impedance device and a capacitive reactance device

in series-circuit relation thereto and means responsive to the potential-drop across said impedance device for



impressing such modified currents across said capacitive device that the voltage-drops across said devices nullify one another.

1,513,287. OIL BURNER. GEORGE T. SMALLWOOD, Washington, D. C. Filed Apr. 21, 1923. Serial No. 633,667. 12 Claims. (Cl. 158-92.)

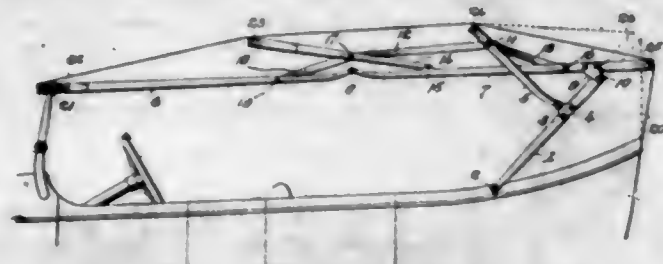


10. In an oil burner, the combination with a burner casing having a chamber and a burner outlet opening, of a tube for fuel oil extending upwardly within the casing, a second fuel tube associated with the first tube, a hollow flash plate surrounding the tubes and having an upper flash surface, with air ports opening there-through, said tubes having outlet ports above the flash surface and said first mentioned tube having a series of retarding steps between its outlet port and the flash surface, means for supplying a cooling liquid to the chamber of the burner casing, and means for conveying steam from said chamber to the hollow flash plate and discharging it over the flash surface.

1,513,288. VEHICLE TOP FRAME. GEORGE L. SMITH, Washington, D. C. Filed July 28, 1921. Serial No. 488,140. 4 Claims. (Cl. 296-116.)

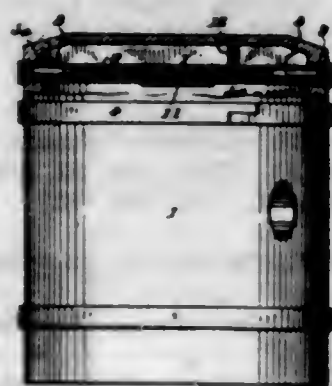
1. A collapsible top frame for vehicles, including a supporting standard adapted to be pivotally connected to a vehicle body, an arm extending substantially in a horizontal direction and pivotally connected to the upper end of the standard, a forwardly extending bow arm directly pivoted to said first named arm, a supporting bow arm crossing said first named arm and pivotally connected to the supporting standard at a point inter-

mediate its ends and links pivotally connected to the supporting bow arm, said first named arm and the forwardly extending bow arm at points intermediate



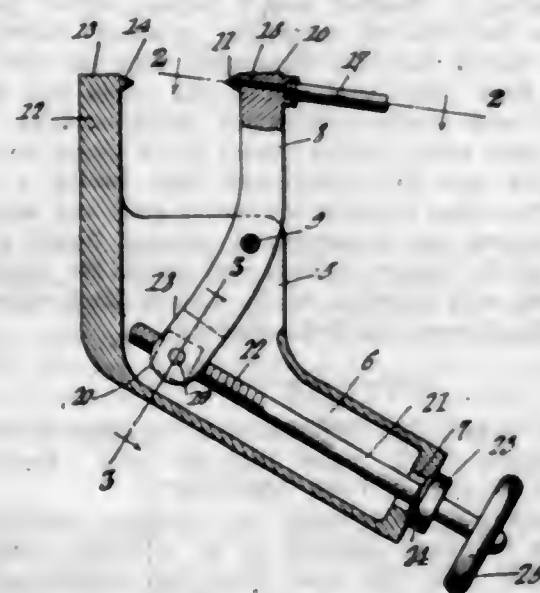
their ends, said supporting standard and said first named arm being adapted to selectively receive the rear top bow.

1,513,289. PISTON-RING EXPANDER. CLINT B. SNIDER, Independence, Kans. Filed Oct. 30, 1923. Serial No. 671,695. 2 Claims. (Cl. 74-100.)



1. In a piston ring expander, the combination with a piston having annular grooves therein for the reception of expansible piston rings and having openings in the bottom walls of the ring receiving grooves, of tubular guide members extending transversely of the piston and seated at their ends in the openings, a strap adjustably connected to the head of the piston and bracing the tubular guide members intermediate their ends and tensioned plunger expanders for the piston ring alldable in the outer ends of the guides in engagement with the ring.

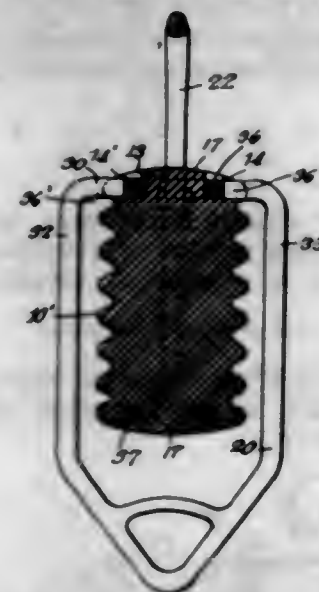
1,513,290. SPRING-LEAF LUBRICATOR. WILLIAM SNIDER, Hastings, Nebr., assignor to Leury R. Brungardt, Hastings, Nebr. Filed Aug. 16, 1923. Serial No. 657,738. 1 Claim. (Cl. 31-3.)



In a device of the character described, a body portion having an angular handle portion and a stationary jaw formed integral therewith, said stationary jaw having a head formed with inclined edges, a pivoted

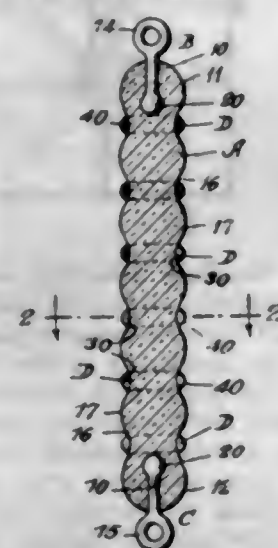
jaw supported by the body portion and having a head formed with inclined edges, the last mentioned head having passageways, a pipe for delivering material to the passageways, and means extending through the handle portion and contacting with the pivoted jaw for moving the pivoted jaw with respect to the stationary jaw.

1,513,291. INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Jan. 17, 1918, Serial No. 212,341. Renewed June 11, 1923. 2 Claims. (Cl. 173-366.)



1. In a device of the kind described, an insulator body provided with ring shaped grooves in the opposite faces thereof and radial grooves in the surface of the insulator projecting from said ring-shaped grooves.

1,513,292. COLUMN-STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed June 12, 1919. Serial No. 303,725. 10 Claims. (Cl. 173-318.)

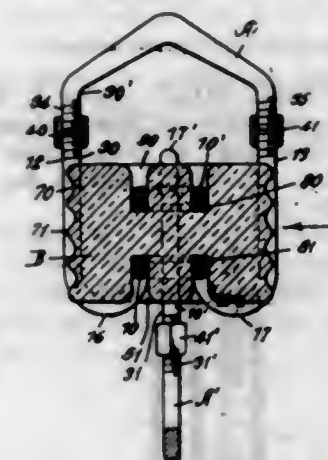


1. A column strain insulator comprising an elongated body of insulating material having a fastening device molded in the opposite ends thereof, said fastening device having portions formed thereon which act as electrical stress distributors, and a series of rings surrounding the said body of insulating material and arranged to co-act electrically with the said stress distributors formed on said fastening devices to redistribute the electrical stresses set up within the insulator.

1,513,293. STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Substitute and continuation of application Serial No. 204,147, filed Nov. 26, 1918. This application filed Apr. 3, 1920. Serial No. 370,973. 2 Claims. (Cl. 173-366.)

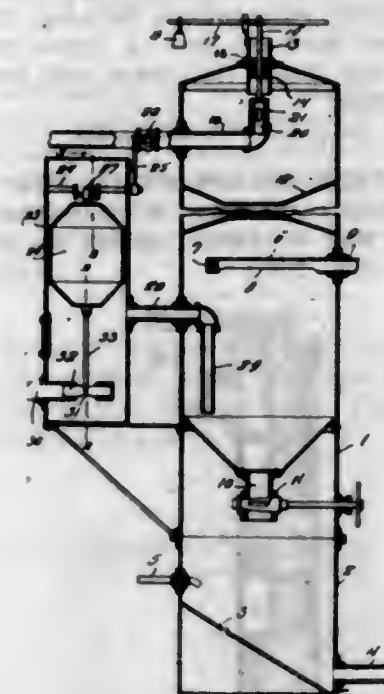
1. In a device of the kind described, a body of insulating material provided with circular seats in the op-

posite faces thereof for the reception respectively of the bridge portions of strain members and with vertically disposed grooves in the side to receive the leg portions of said strain members, said grooves extending



from end to end of the insulator body, said vertically disposed grooves being arranged in pairs, each pair being respectively connected by grooves to one of said oppositely disposed circular seats.

1,513,294. APPARATUS FOR SEPARATING GAS, OIL, AND SAND. WILLIAM H. STIGALL, Taft, Calif. Filed May 7, 1924. Serial No. 711,696. 2 Claims. (Cl. 183-2.7.)



1. An apparatus for separating gas, oil and sand, comprising a vertically erected cylinder having at its lower end a valve controlled opening, means for introducing the mixed gas, oil, and sand into the cylinder at a point between the ends thereof, a tank erected adjacent the cylinder, a pipe communicating with the tank and the cylinder, a downwardly disposed nipple housed within the cylinder and connected with the said pipe, a float located in the tank, an outlet pipe entering the tank, a valve located in said outlet pipe and connected with the float, a pipe for leading the gas from the upper portion of the cylinder, a valve controlling the passageway through said gas pipe, and means operatively connecting the last mentioned valve with the float.

1,513,295. INSULATED BEARING. RANDAL E. TALLEY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,154. 4 Claims. (Cl. 64-36.)



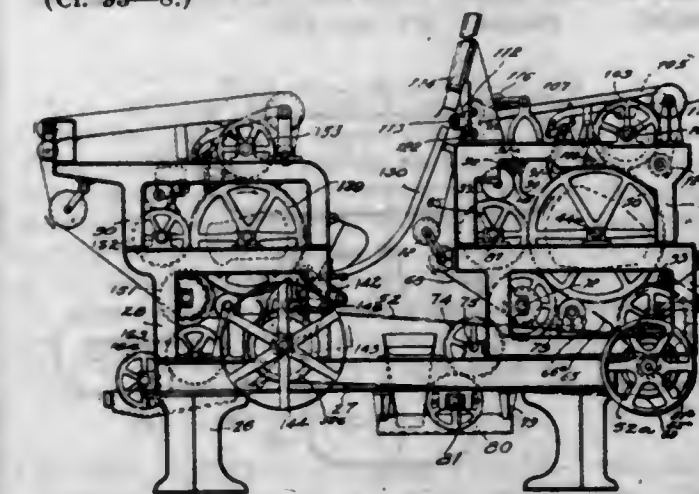
1. An insulated bearing comprising an inner race and an exterior race including a plurality of metallic rings, one of which is split, united by a non-conducting laminated material comprising a phenolic condensation product.

1,513,296. MINE SKIP. EDWARD C. THORNE, Turffontein, Transvaal, South Africa. Filed Apr. 14, 1924. Serial No. 706,618. 2 Claims. (Cl. 188-44.)



1. A mine skip having a vertically tilting wheeled axle, draft actuated means for tilting the axle to effect vertical adjustments of the body of the skip, and means movable with the body and adapted to come into positive braking engagement with a rail when the axle is tilted to one position, said means including coacting elements movably connected together and means for drawing the elements together to grip the rail therebetween vice like.

1,513,297. PAPER-BAG-MAKING MACHINE. GEORGE T. TRUNDLE, Jr., Cleveland, and BURTON G. CARLSON, Cleveland Heights, Ohio, assignors to The Adams Bag Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 31, 1921. Serial No. 511,638. 35 Claims. (Cl. 93-8.)



1. In a bag machine of the character described, the combination of an arrangement of means including tube propelling devices affording a pathway for a tube, a bottom and a top forming mechanism adapted to operate

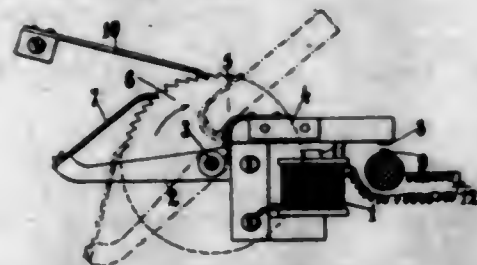
on the open ends of the tube including folding and pasting means adapted to operate on said open ends when the tube is propelled along said path, means for connecting and synchronously driving said top and bottom forming mechanism, and means for turning the bag end for end in said path.

1,513,298. THERAPEUTIC PRODUCT AND PROCESS OF PREPARING SAME. JOHN W. TURRENTINE, Washington, D. C. Filed Jan. 11, 1923. Serial No. 612,149. 4 Claims. (Cl. 167-7.)

1. The herelndescribed desiccated product derived from kelp or similar marine growths and embodying in assimilable form substantially all of the alimentary and pharmaceutical values of the undried material, said product gelatinizing in presence of water.

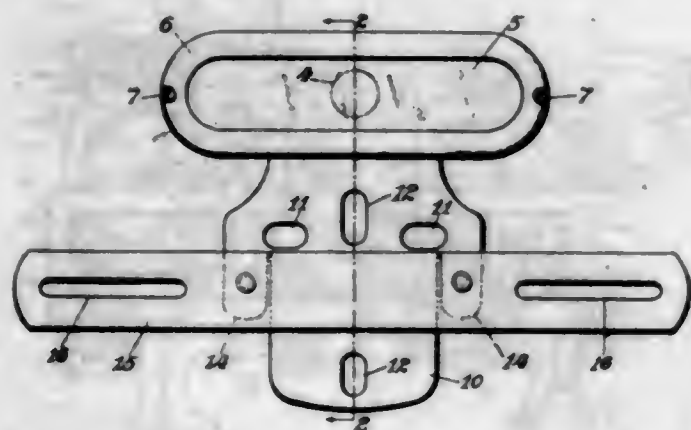
2. Process of treating kelp and similar marine growths, comprising effecting rapid dehydration thereof under such controlled temperature conditions as to obtain a desiccated product embodying in assimilable form substantially all of the alimentary and pharmaceutical values of the undried material.

1,513,299. ELECTROMAGNETICALLY-OPERATED SWITCH GEAR. EMIL VOLKERS, Berlin-Lankwitz, Germany. Filed June 30, 1924. Serial No. 723,408. 4 Claims. (Cl. 172-126.)



4. An electro-magnetic driving mechanism, comprising an oscillatory lever; a driving pawl carried thereby; an electro-magnet mounted on said lever to move in unison therewith; an armature for the magnet; a connecting spring between the magnet and armature to constitute a yielding support for the latter; fixed and movable contacts for closing a circuit through the magnet, the movable contact being carried by the armature so as to cause the same to be held against movement toward the magnet when said circuit is closed, whereby the energization of said magnet will cause it to move against said armature and ultimately separate said contacts with resultant interruption of the circuits; and a toothed driven element engaged by said pawl to be driven step by step during the oscillations of the lever.

1,513,300. TAIL LAMP FOR VEHICLES. EDWIN W. VOSE, Beverly, Mass. Filed Oct. 24, 1922. Serial No. 596,567. 7 Claims. (Cl. 40-131.)



1. A tail lamp for vehicles comprising a lamp casing relatively thin from top to bottom and having a curved rear wall and a long narrow opening in the front of the casing, a colored lens closing said opening, means for

removably holding said lens in its operative position, the bottom of said casing being flat and having a long narrow aperture therethrough, a transparent plate closing said aperture, means for holding said plate in said position, a lamp socket mounted in the rear wall of said casing and projecting horizontally therethrough, and an electric lamp mounted in said socket.

1,513,301. EXPANSION BOLT. NILS J. A. WAHLBERG, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1920. Serial No. 370,060. 3 Claims. (Cl. 85-24.)



1. An expansion-bolt device comprising a bolt, an expandible pressed metal sleeve embracing the bolt and provided with annular corrugations forming exterior and interior gripping surfaces, and a frusto-conical plug embracing the bolt inside the sleeve and movable with respect to the latter.

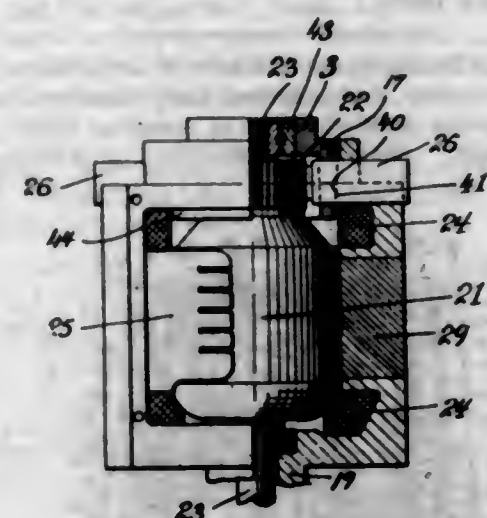
1,513,302. DOUBLE-ACTION PUMP FOR OIL AND OTHER WELLS. CHARLES G. WAHLSTROM, Akron, Ohio. Filed May 6, 1922. Serial No. 358,876. 2 Claims. (Cl. 103-200.)



1. A pump for oil wells and the like including a cylinder, formed with an inlet at its lower end for submersion in the well, a piston rod in the cylinder, a plurality of pairs of pistons carried by the rod, each piston having a peripheral undulating channel, means carried by the cylinder and received in the channels of the pistons for

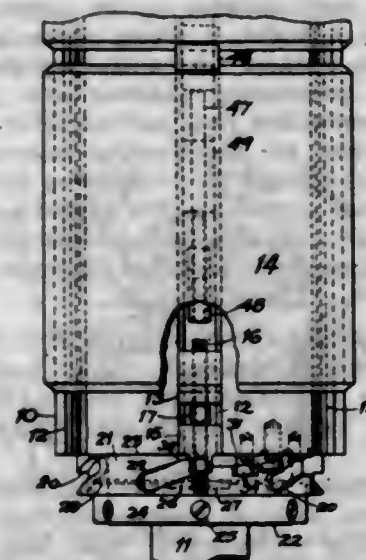
reciprocating the latter upon rotation of the piston rod, a valve controlled port in each piston, said channels of the pistons of each pair being arranged so that upon rotation of the rod said pistons will have an alternate approaching and receding movement and the adjacent pistons of the adjacent pairs of pistons will have a like alternate approaching and receding movement so as to provide continuous flow of the fluid being pumped, the angles of the channels of an upper pair of pistons being of less degree than the angles of the channels of the next adjacent lower pair, whereby the said upper pistons have a longer stroke than the said lower pair of pistons.

1,513,303. ELECTRIC MOTOR. EDWARD M. WARING, Brooklyn, N. Y. Original application filed May 26, 1916, Serial No. 100,105. Divided and this application filed June 16, 1921. Serial No. 477,909. 3 Claims. (Cl. 172-36.)



2. The combination of an armature, a field frame partly enclosing the same, asymmetrical pole pieces projecting from said frame towards said armature, an armature shaft, a tapered member fitting into said frame to form a support for the one end of the said armature shaft, and brush holders secured in said frame and said tapered member.

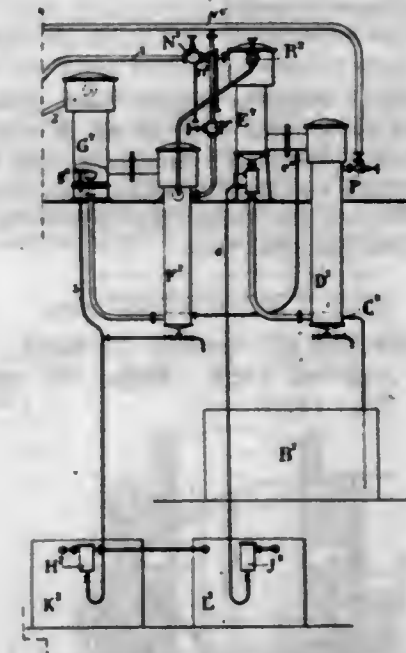
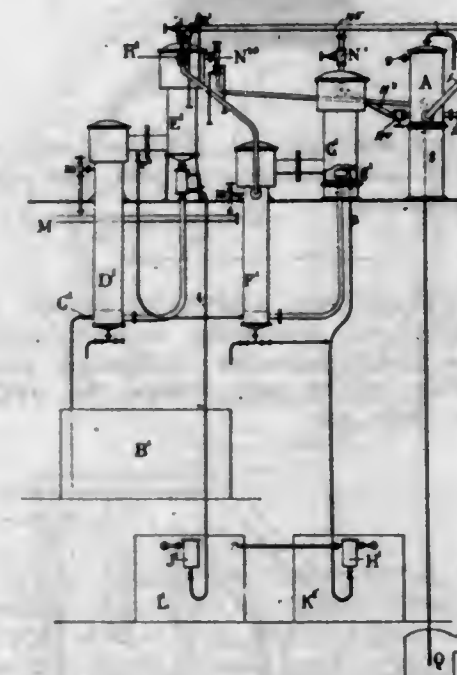
1,513,304. PLATE CLAMP. BRUCE CLARK WHITE, New York, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 605,874. 20 Claims. (Cl. 101-378.)



1. The combination with a plate cylinder and plate clamps and blocks slidably mounted thereon and movable longitudinally thereof; unyielding lengthwise ad-

justable connections between said plate clamps and said blocks; means for moving said blocks longitudinally and a yielding resistance to said moving means independent of the clamp or block.

1,513,305. PROCESS AND APPARATUS FOR CONCENTRATING GRAPE JUICES. EMILE AUGUSTIN BARRET, Paris, France. Filed Oct. 31, 1910. Serial No. 334,848. 2 Claims. (Cl. 159-20.)



1. A process for simultaneously concentrating in vacuo, the sulphured juices of white and red grapes, which consists in subjecting the juice of white grapes to a double evaporation, utilizing the heat of the vapours generated for concentrating the red juices by double evaporation, separately cooling and decanting the products of the first evaporation or first syrups of the white and red grapes for the extraction of the potassium bitartrate, and separately feeding the second evaporation of the juices of the white and red grapes with the clear syrups.

1,513,306. PRINTED COTTON FABRIC. WILLIAM J. BAXTER, New York, N. Y. Filed Apr. 2, 1924. Serial No. 703,711. 4 Claims. (Cl. 41-26.)

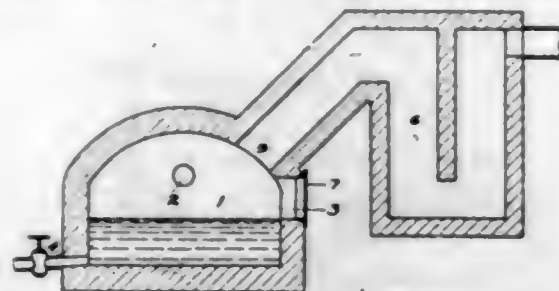
1. As a new article of manufacture, a cotton fabric printed to resemble in appearance flannel having threads of contrasting color woven therein, the fabric having its

surface printed over with fine dots of the same color to form a ground, with streaks of a somewhat darker shade extending thereover, said streaks extending ir-



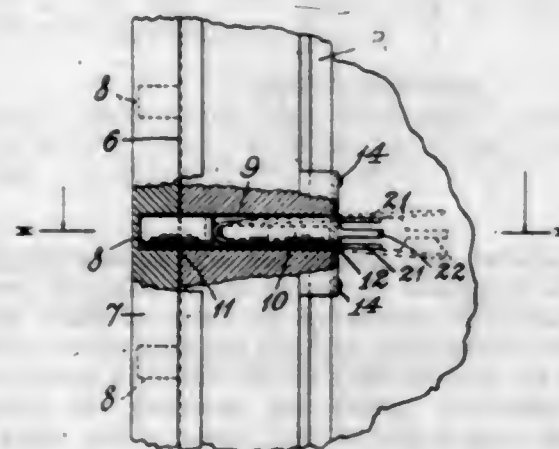
regularly in the same general direction, and being of varying lengths and widths, and soft and somewhat blurred in appearance.

1,513,307. METHOD FOR REFINING LEAD. EDWARD SALOMON BERGLUND, Djursholm, Sweden, assignor to Trollhättans Elektrottermiska Aktiebolag, Stockholm, Sweden. Filed July 6, 1921. Serial No. 482,818. 2 Claims. (Cl. 204-63.)



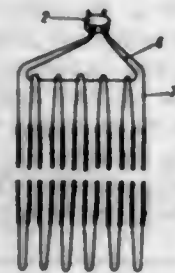
1. The method of refining impure lead, consisting in heating the lead by electric heat so as to volatilize impurities contained in the lead, condensing said volatilized impurities, oxidizing non-volatile impurities contained in the lead, withdrawing the scum thus generated and tapping off the refined metallic lead.

1,513,308. SASH LOCK. GEORGE A. BERRY, Modesto, Calif. Filed Aug. 13, 1923. Serial No. 657,141. 6 Claims. (Cl. 292-147.)



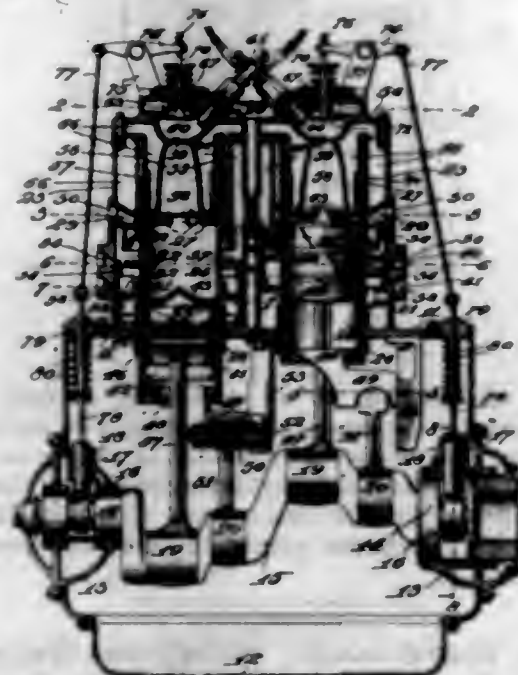
1. A sash lock comprising a sliding bolt adapted to be mounted in the side rail of a sash and to be projected into the guide groove of a window frame, a plate having an aperture through which said bolt is free to work and slide with relation to said groove, means on the bolt co-acting with the plate to hold the former against displacement from the sash, and spring means carried by the bolt and co-acting with the walls of the aperture of said plate to hold the bolt in its positions of adjustment with respect to said groove.

1,513,309. SYSTEM FOR TYING SKEINS OF BEADS. CHARLES FRANÇOIS BUFFARD, Paris, France. Filed Oct. 16, 1923. Serial No. 668,950. 2 Claims. (Cl. 28-21.)



1. In a system of fastening for skeins of beads, a single thread receiving the beads, bent on itself a number of times so as to constitute staples of equal length and to form small loops, a second thread passing through said small loops for retaining them, a seal connecting the four thread ends.

1,513,310. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Charles A. Burnett, Los Angeles, Calif. Filed Oct. 2, 1922. Serial No. 591,761. 3 Claims. Cl. 123-59.)

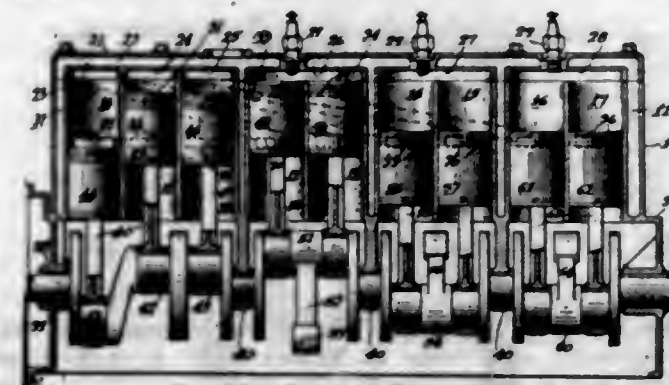


2. In a two cycle internal combustion engine a pair of cylinders each having a combustion chamber and a compression chamber, a duct leading from the compression chamber of each cylinder to the combustion chamber of the other cylinder, a sleeve valve arranged for operation in each cylinder for controlling the admission of air into the combustion chamber and the exhaust of products of combustion from said chamber, means carried by each sleeve for compressing gaseous fuel and forcing the same through the respective duct into the opposite combustion chamber, and a poppet valve for controlling the passage of compressed gaseous fuel from each duct into the respective combustion chamber.

1,513,311. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed July 16, 1924. Serial No. 726,322. 3 Claims. (Cl. 123-53.)

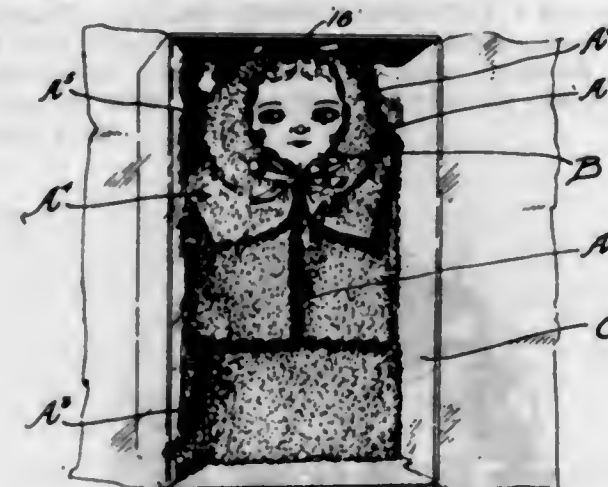
3. In a two stroke cycle internal combustion engine, three power units, each of which comprises a pair of combustion cylinders connected at their head ends by a common clearance chamber, a series of three pumping cylinders arranged in front of and in row with the cylinders forming the power units, means whereby each pumping cylinder functions for the precompression and pumping of gaseous fuel into one cylinder of each pair of

connected combustion cylinders, pistons arranged for operation within all of the cylinders, a crank shaft to which said pistons are connected, the cranks to which the pistons in the pumping cylinders are connected being arranged 120° apart, the cranks to which the pistons



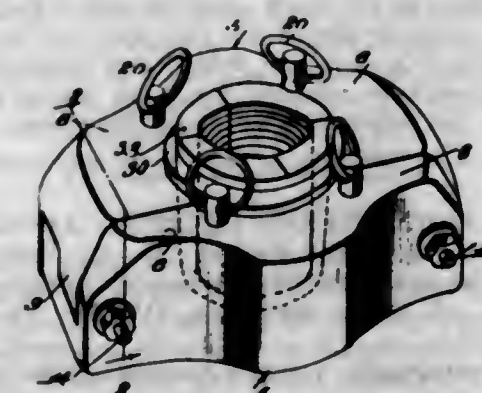
of the power units are connected being arranged 120° apart, and the respective cranks for the pistons of the power units occupying radial planes that are diametrically opposite or 180° from the corresponding cranks for the pistons in the pumping cylinders.

1,513,312. NOVELTY DOLL. LULU CASE, Berkeley, Calif. Filed Feb. 19, 1923. Serial No. 620,045. 2 Claims. (Cl. 46-40.)



1. A novelty doll made from a cloth and a loose head, the cloth being folded around the head in simulation of a body and exposing the face to view, means securing the cloth in position around the head, a box in which the doll is placed and means securing the body of the doll to the box at a point adjacent the head.

1,513,313. CASING RING. BILLY FRANK CONAGHAN, Tonkawa, Okla., assignor of one-fourth to Howard M. Gillespie and one-half to William J. Beaven. Filed Dec. 15, 1923. Serial No. 680,862. 1 Claim. (Cl. 24-263.)

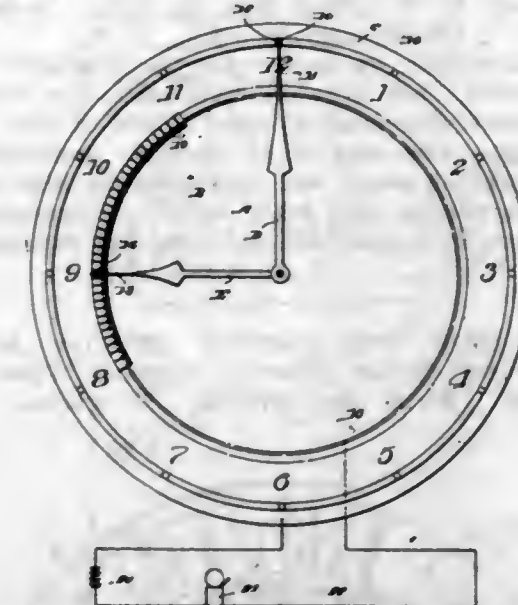


A casing ring comprising a pair of substantially semi-circular sections having their ends formed with extensions, each extension being formed with a longitudinal groove and a longitudinal rib, each rib forming one side wall of the adjacent groove and being adapted to be snugly received in the groove of the opposite section to

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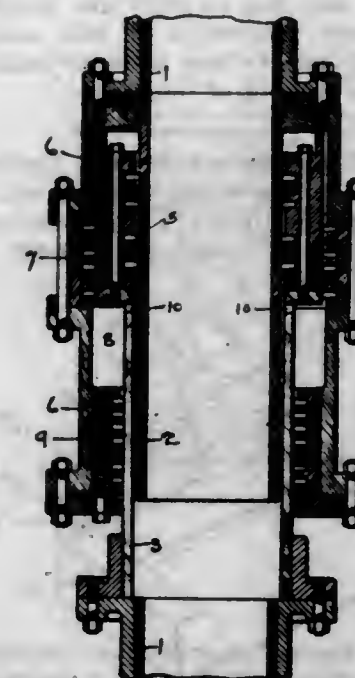
interlock the sections, bolts passing through said extensions and the ribs of the same to securely connect the sections, a bushing received between said sections and consisting of a pair of semi-circular members having a flange engaging the upper side of said sections.

1,513,314. PROGRAM CLOCK. PAUL CONCINNE, Belle Rose, La. Filed Dec. 30, 1922. Serial No. 610,070. 3 Claims. (Cl. 200-35.)



2. A circuit making attachment for clocks consisting of a plurality of contacts electrically connected with the metallic rim of the clock face and co-operating with a roller carried by the minute hand, a supporting ring of insulating material carried by the clock face, a plurality of contact clips detachably engaged upon said last named ring and spaced apart in the path of travel of a roller carried by the hour hand, a metallic ring mounted upon the clock face adjacent said ring of insulating material, said clips being normally spaced from said last named metallic ring, and means for selectively connecting the clips with the last named metallic ring, said means consisting of expansible connector clips insertable between said last named metallic ring and tongues on said clips.

1,513,315. SELF-BALANCING PIPE EXPANSION JOINT. CHARLES LEE COOK, Louisville, Ky. Filed Oct. 20, 1920. Serial No. 418,294. 5 Claims. (Cl. 285-102.)



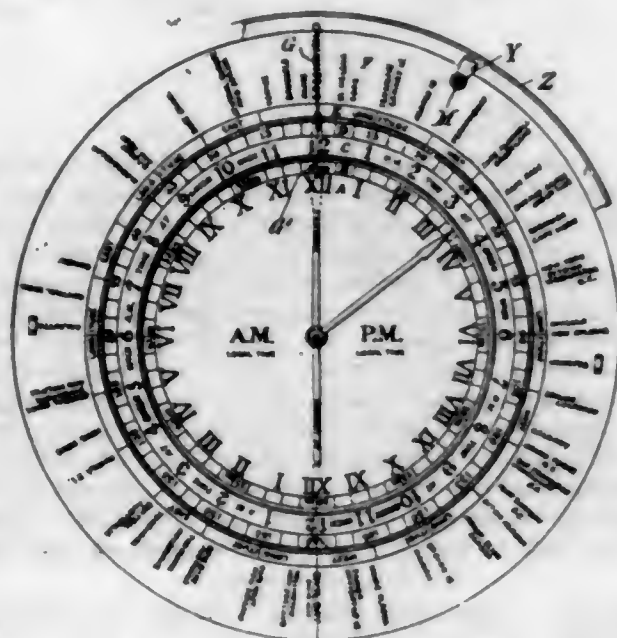
5. An expansible pipe joint comprising a double-walled cylindrical shell attached to one pipe section, a cylindrical member attached to the other pipe section and fitting within the walls of said shell, a packing casing attached to the free end of said member, packing between this

casing and both walls of the shell, a packing casing attached to the free end of the outer shell member, and packing between this casing and the cylindrical member, the two packing casings forming the ends of a pressure equalizing chamber which has communication with the interior of the pipe.

1,513,316. COMPOSITION OF MATTER FOR TREATING FIBROUS MATERIAL. MARGUERITE D. EASTON, New York, N. Y. Filed Mar. 23, 1923. Serial No. 627,220. 2 Claims. (Cl. 87-5.)

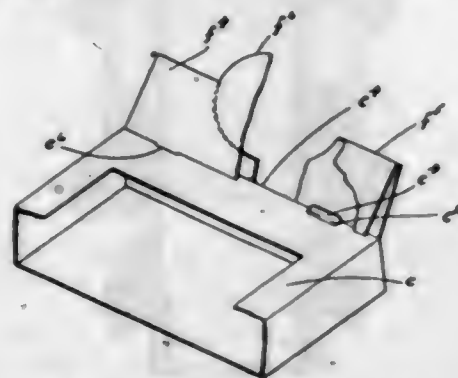
1. A composition of matter for the treatment of fibrous material, such as wool, flax, hemp and the like, which includes approximately eight ounces of Irish moss, approximately two ounces of paraffin, approximately twenty ounces of water, and approximately nine ounces of other ingredients, said other ingredients consisting of borax, stearic acid, soda ash, sal soda, and carbonate of potash.

1,513,317. DIAL FOR CLOCKS. WILLIAM FRANKS, Grand Forks, British Columbia, Canada. Filed June 24, 1922. Serial No. 570,753. 7 Claims. (Cl. 58-43.)



1. A geographical clock comprising a fixed inner twenty-four hour dial and an outer dial concentric therewith and adjustable thereabout at will, said outer dial being divided into twenty-four hour divisions and three hundred and sixty degrees of longitude.

1,513,318. CARTON. HENRY FURSTE, Cincinnati, Ohio, assignor to The United States Printing and Lithograph Company, Norwood, Ohio, a Corporation of Ohio. Filed Oct. 18, 1921. Serial No. 508,433. 5 Claims. (Cl. 206-44.)



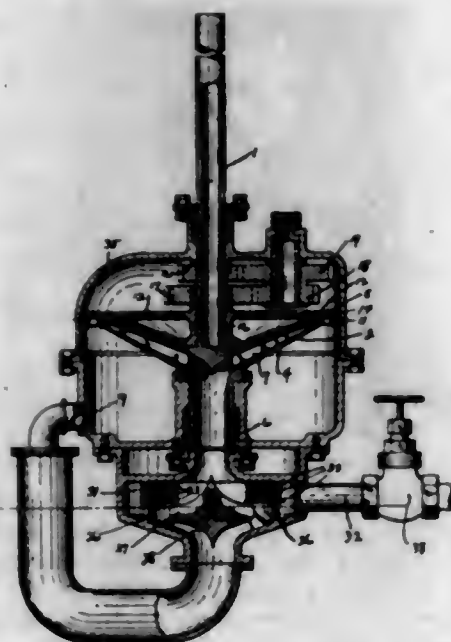
5. A carton comprising a lid, a slotted top, and laps struck from the top when slotting the top, the laps being arranged for movement with the lid and for lodging in the slots.

1,513,319. FASTENER OR GARTER LOOP. CHARLES A. GODDARD, Cheshire, Conn., assignor to The Ball and Socket Manufacturing Company, West Cheshire, Conn., a Corporation of Connecticut. Filed Apr. 5, 1923. Serial No. 629,959. 2 Claims. (Cl. 24-245.)



1. A fastener loop comprising a body formed of rod-like celluloid, said body of substantially keyhole-shape outline, and a metal ferrule extending around the ends of the body, said metal ferrule provided with indentations engaging correspondingly indentations in the celluloid rod, thereby rigidly locking the ferrule thereto.

1,513,320. COMBINATION PUMP, AIR COMPRESSOR, AND VACUUM PUMP. HUGH HORN, San Francisco, Calif. Filed June 30, 1921. Serial No. 481,616. 3 Claims. (Cl. 230-14.)

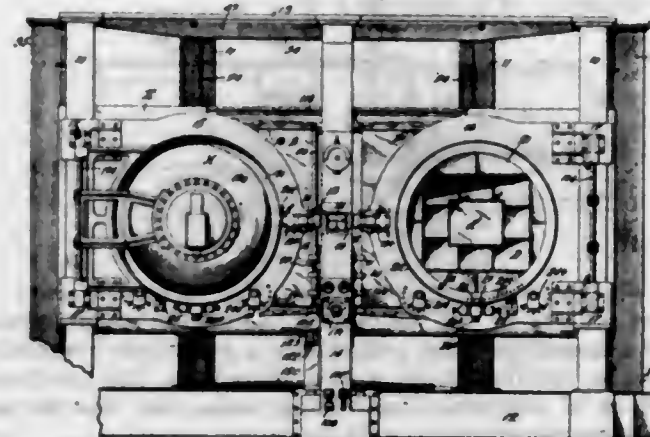


1. In a centrifugal compression pump, an upper chamber having a perforated embossment in its bottom, a lower chamber terminating in a neck communicating with the perforation in the embossment, a centrifugal rotor adapted to rotate in the embossment so as to draw on a liquid contained in the lower chamber and a plurality of transverse tubes supported in the wall of the lower chamber extending into the latter and communicating with the atmosphere allowing air to be drawn into the liquid when the latter is acted on by the rotor.

1,513,321. PHOTOGRAPHIC-PRINTING APPARATUS. WILLIAM C. HUBNER, Buffalo, N. Y., assignor to Huebner Bleistein Patents Company, Buffalo, N. Y. Filed Oct. 16, 1920. Serial No. 417,386. 28 Claims. (Cl. 95-73.)

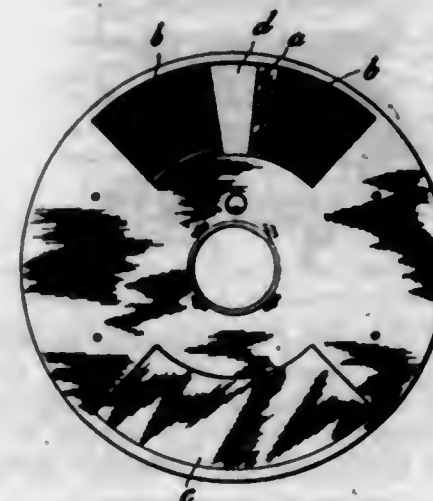
1. In a photographic printing apparatus, the combination of a common support on which a sensitized plate and another plate are mounted side by side in corresponding positions facing the same way, means for supporting a transparent printing member and another member respectively opposite said sensitized plate and said other plate, means for adjusting said common support in a direction to place different corresponding portions of said

plates opposite their related opposing members, means for independently adjusting said members toward and from said plates, means for moving said printing member



into and out of contact with said sensitized plate, and means for illuminating the printing member to make prints therefrom on the sensitized plate.

1,513,322. COLOR CINEMATOGRAPHY. ROLAND OLIPHANT PERCY HUMPHREY, London Bridge, and CLAUDE HARRISON FRIESE-GREENE, Bromley, England. Filed Oct. 5, 1922. Serial No. 592,564. 3 Claims. (Cl. 88-16.4.)



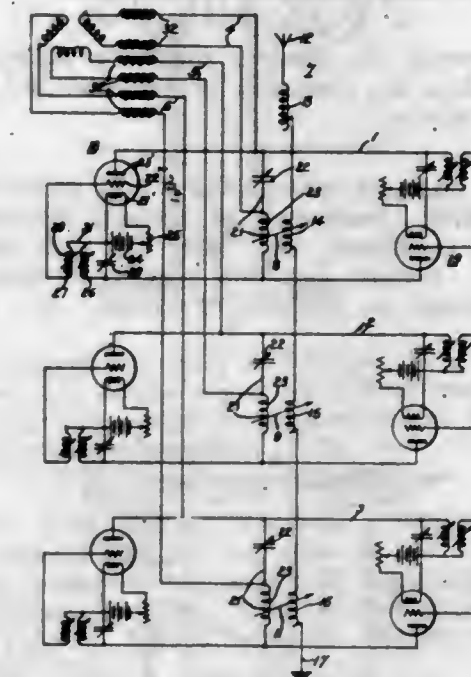
1. In color cinematography apparatus, a shutter having an opening therein, a color filter on the blue side of the spectrum intermediate the ends of said opening, opaque material completely closing the space between one side of said color filter and an adjacent end of said opening, opaque material extending from the other end of said opening to a point in spaced relation to said color filter, a second opening in said shutter opposite to said first mentioned opening, and a color filter on the red side of the spectrum completely closing said second opening.

1,513,323. MOLDABLE COMPOSITION AND METHOD OF MAKING THE SAME. WILLARD H. KEMPTON, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 11, 1919. Serial No. 281,907. 8 Claims. (Cl. 18-47.5.)

4. A molded material comprising a heat compacted mass of shredded sheet material having a coating of thermoplastic binder.

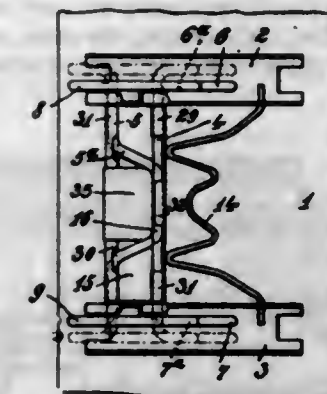
6. The method of making moldable mixtures which comprises coating fibrous sheet material with a phenolic condensation product and subdividing said sheet material.

1,513,324. POLYPHASE PLATE-CIRCUIT-EXCITATION SYSTEM. SAMUEL M. KINTNER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 25, 1921. Serial No. 510,383. 10 Claims. (Cl. 250-17.)



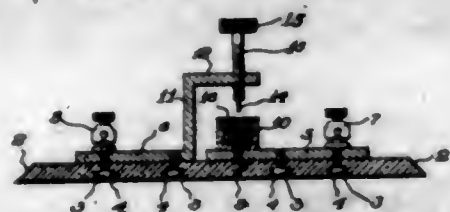
1. In a wireless transmission system, the combination with a polyphase power source, of a plurality of oscillation-generator systems, said systems being oppositely connected in pairs to the respective phases of said polyphase source, and a circuit associated with all of said pairs of oscillation-generator systems and adapted to be energized thereby.

1,513,325. LETTER-FILE MECHANISM. LEOPOLD KRAMER, Berlin-Neutempelhof, Germany. Filed Aug. 27, 1921. Serial No. 496,105. 9 Claims. (Cl. 129-11.)



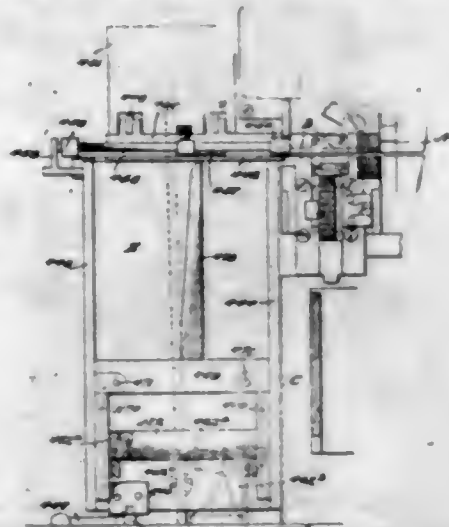
2. A letter-file, comprising a base plate having an extension; stationary and movable needles; stays connecting said needles to the base plate and secured therein; shoes having lugs thereon to removably receive said stays; means for operating said movable needles including a lever pivoted to said extension; and means for locking said base plate to said shoes.

1,513,326. **RADIODETECTOR.** WILBUR C. LAMPHIER, New York, N. Y. Filed Feb. 9, 1923. Serial No. 618,023. 5 Claims. (Cl. 250—30.)



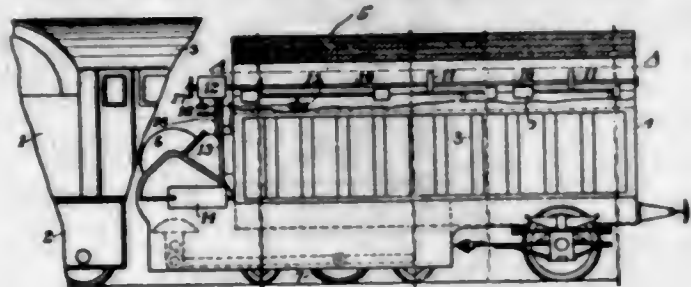
2. A detector for wireless apparatus comprising two contact bodies, one consisting of steel-wool and the other formed of carbon.

1,513,327. **GALLEY MECHANISM FOR TYPOGRAPHIC MACHINES.** FREDERICK W. LUTSCH, Baltimore, Md. Original application filed Mar. 15, 1918, Serial No. 222,760. Divided and this application filed Nov. 5, 1920. Serial No. 422,064. 2 Claims. (Cl. 199—61.)



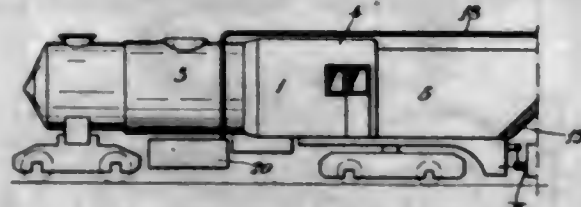
1. A galley mechanism comprising a vertical reciprocating bar, a blade for temporarily supporting a line of assembled matter delivered to a galley, a slide for supporting assembled typographic matter in the galley, a pusher for forcing assembled typographic matter against said slide, lever mechanism for withdrawing said blade and for simultaneously operating said pusher, and a device operated by movement of typographic matter on said slide for causing said reciprocating bar to move in position to operate said lever mechanism.

1,513,328. **LOCOMOTIVE PROVIDED WITH AIR-COOLED CONDENSER.** FREDRIK LJUNGSTRÖM, Lidings-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Apr. 3, 1922. Serial No. 549,260. 4 Claims. (Cl. 105—38.)



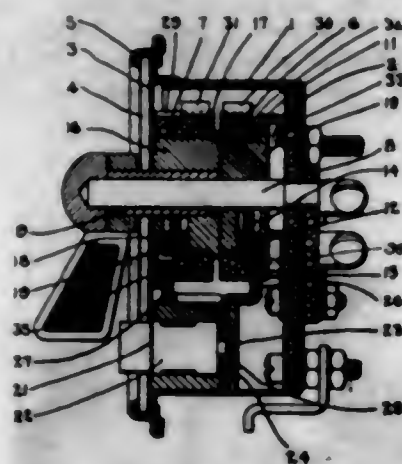
1. In locomotives provided with an air-cooled condenser and fans effecting an air flow through the condenser, said fans being driven by one of the movable parts of the locomotive, the arrangement that the fans are driven by the aid of an apparatus changing its position according to the speed of the locomotive in such a manner that the ratio of speed between the fans and the locomotive is varied upon variations of the speed of the locomotive, and means associated with said apparatus for manually controlling the speed of said fans.

1,513,329. **LOCOMOTIVE AND SIMILAR VEHICLE PROVIDED WITH CONDENSERS.** FREDRIK LJUNGSTRÖM, Lidings-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Sept. 24, 1923. Serial No. 664,600. 5 Claims. (Cl. 105—38.)



1. In locomotives comprising two separate cars, a boiler placed on the one car, a condenser plant placed on the second car and comprising a receptacle containing water, a driving steam motor placed on the condenser car and a container containing water in reserve and placed on the boiler car.

1,513,330. **AUTOMOBILE SWITCH.** WARREN P. LONDON, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 5, 1922. Serial No. 506,034. 11 Claims. (Cl. 200—44.)



1. A switch comprising two rotatable members, a plurality of coacting members, an actuating member for each rotatable member and a single key-controlled member for controlling the operative connection of said actuating members to the respective rotatable members.

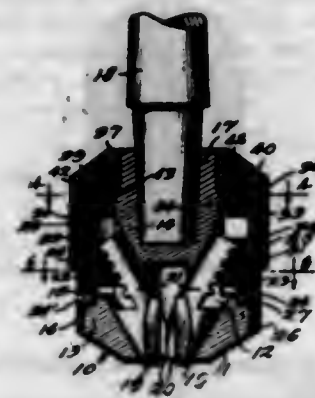
1,513,331. **METHOD OF MAKING BUTTER FROM SOUR CREAM.** HERBERT W. LOW, Oakland, Calif., assignor of one-half to Sena C. Williams, Oakland, Calif. Filed Feb. 15, 1922. Serial No. 536,799. 7 Claims. (Cl. 99—13.)

1. The method of making pasteurized butter from sour cream comprising extracting the fat from sour cream in raw condition without heating said cream, mixing said fat with milk, heating and agitating said mixture so as to thoroughly distribute the fat through the milk, then emulsifying said fat in said milk to form substantially a natural cream, pasteurizing said reconstituted cream and making said cream into butter substantially as described.

1,513,332. **CHUCK.** HARRY R. MCCONNELL, Richmond, Va., assignor to The McConnell-Browning Engineering Company, Richmond, Va., a Corporation of Virginia. Filed Apr. 4, 1923. Serial No. 629,907. 7 Claims. (Cl. 279—62.)

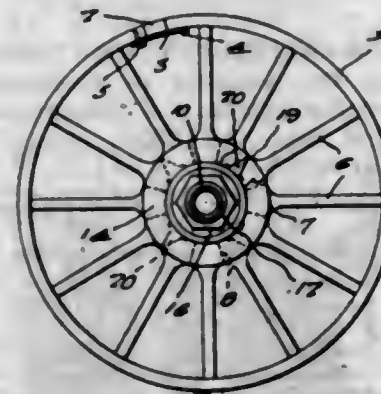
1. A chuck comprising a body portion, a plurality of jaw members carried by said body portion and adapted to be gripped about a tool, a rotatable sleeve surrounding said body portion and engaging said jaw members to move them into engagement with the tool, said body

portion within said sleeve being provided with an annular groove, said sleeve being provided with a groove coacting with said first named groove to form a con-



cealed ball race, and ball bearings arranged in said ball race, said sleeve being adapted to move longitudinally to release said jaw members from said sleeve when said ball bearings are not in position.

1,513,333. **COLLAPSIBLE WHEEL STRUCTURE.** FRED M. MCLEAN, Whittier, N. C. Filed Mar. 3, 1924. Serial No. 696,551. 1 Claim. (Cl. 301—81.)

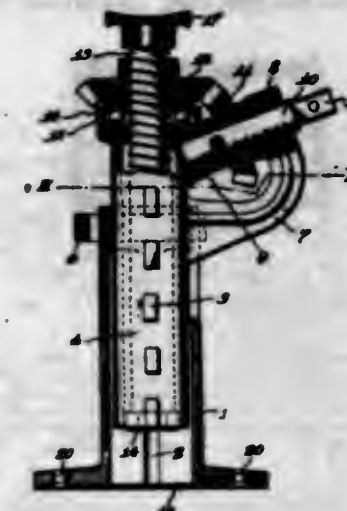


A wheel structure of the class described including a sectional collapsible rim, a plurality of radially extended spokes mounted in said rim and adapted for radial movement in the collapsing or expanding of the rim, certain of said spokes being formed with recesses at the inner adjacent ends, wedge blocks movable in said recesses, a pair of hub plates adapted for cooperation to secure said spokes in rigid assembled relation, one of said plates being formed with projections fitting in the slots formed in said spokes, for guiding the spokes in their radial movement, and a rotatable member mounted for rotatable and axial movement on a tubular extension formed on one of said plates for permitting the contraction and expansion of the rim, and forcing the spokes radially outward, said member also operating the wedge blocks for insuring a tight fit between the inner adjacent ends of the spokes, said rotatable member also operating the other hub plate relative to the first mentioned hub plate for producing a cooperation therebetween, to rigidly secure the spokes in assembled relation when the rim is in expanded position, and to form a rigid wheel structure.

1,513,334. **JACK.** HARRY MAINO, Jackson, Mich. Filed Mar. 19, 1923. Serial No. 626,020. 1 Claim. (Cl. 25—108.)

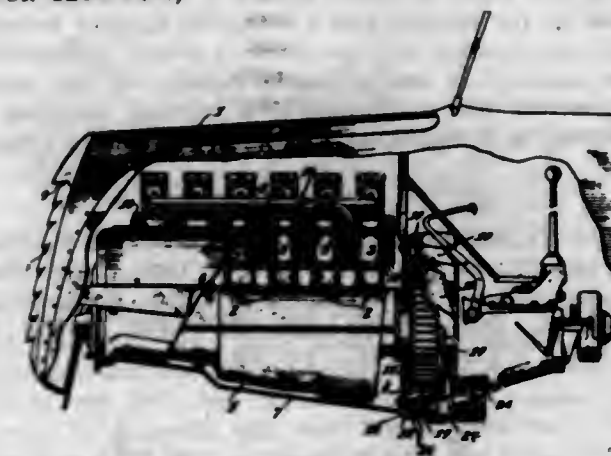
A jack comprising a hollow base having walls thereof provided with oppositely arranged longitudinal grooves, a barrel having spaced lugs slidable in the grooves of the hollow base, a horizontally disposed U-shaped support in the upper end of said base and having parallel portions adapted to be placed between the barrel lugs whereby the barrel may be supported at various positions of adjustment longitudinally of the base, an arm

on said barrel extending out of said base to facilitate shifting said barrel in said base, a screw slidable longitudinally of the barrel, a rotatable member in screw-



threaded engagement with said screw and supported by said barrel, and means supported by said arm and barrel for rotating said member to cause movement of the screw longitudinally of the barrel.

1,513,335. **AIR-COOLED ENGINE.** HEMSLEY B. MASSEY, Canton, Ohio, by operation of law to E. A. McCuskey, trustee in bankruptcy of The Holmes Automobile Company, Canton, Ohio, a Corporation of Ohio. Filed Feb. 24, 1920. Serial No. 360,668. 7 Claims. (Cl. 123—171.)



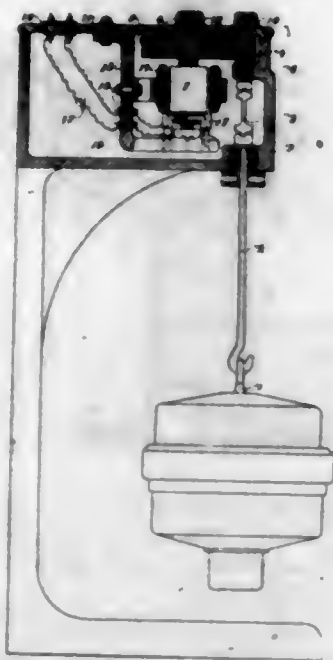
1. The combination of the cylinder cooling flues and communicating suction chamber of an automobile engine or the like with a centrifugal fan wheel exhausting air therefrom, and a peripheral case extending entirely around the wheel forming spiral shells leading tangentially from the fan wheel, dividing and directing the discharge into the open and increasing the volume of air moved by the fan wheel.

1,513,336. **HOG CATCHING AND RINGING CHUTE.** AUSTIN D. MAYES, Polo, Mo. Filed Nov. 28, 1922. Serial No. 603,872. 7 Claims. (Cl. 119—98.)



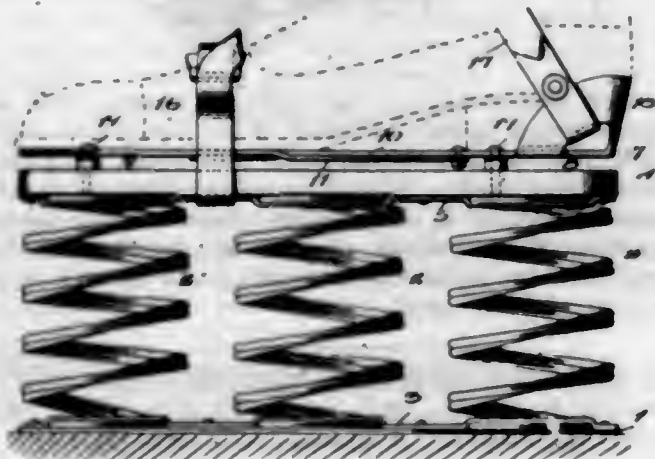
1. An animal catcher of the class described, including a frame having a door opening, hinged doors located at opposite sides of the door opening and provided at their free edges with corresponding recesses forming an opening for the reception of the neck of an animal when the doors are closed, means for automatically locking the doors on the neck of an animal when the same attempts to pass between the doors and means whereby to open the doors automatically upon manual release of the locking means.

1,513,337. MEANS FOR ELECTRICALLY DRIVING THE BOWLS OF CENTRIFUGAL SEPARATORS. ALFRED MELOTTE, Remicourt, Belgium. Filed Sept. 9, 1920. Serial No. 409,199. 3 Claims. (Cl. 172-36.)



1. In combination with an element to be rotated, a single support for the element comprising a housing, a removable cover for the housing, a bracket rigidly secured to the cover, a motor having a stationary member attached to the bracket and a rotatable member mounted between the bracket and the cover, a power transmitting member secured to the rotatable member of the motor, and a second power transmitting member mounted in the housing and connected to the element to be rotated.

1,513,338. AMUSEMENT DEVICE. CHALMER C. MENEFEE and ELMER MENEFEE, Gilbert, Ohio; said Elmer Menefee assignor of one-eighth to James H. Anderson, Zanesville, Ohio. Filed Apr. 26, 1923. Serial No. 634,788. 2 Claims. (Cl. 46-69.)



1. A device of the class described including an upper plate, a lower plate, a spring disposed between the plates, a strap iron secured to each plate for securing the adjacent convolutions of the spring thereto, and an adjustable shoe plate mounted on the upper plate and secured thereto.

1,513,339. BRUSH. BESSIE H. MERRIHEW, Cleveland, Ohio. Filed May 31, 1923. Serial No. 642,409. 6 Claims. (Cl. 15-206.)

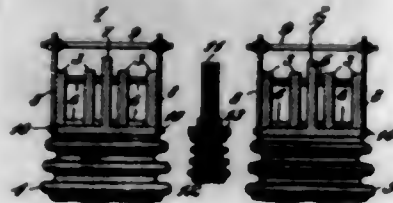
1. A device of the character described, comprising a handle, and a pair of bristle brushes secured to the handle, each of said brushes having a core in the form of a loop with bristles radiating from the core and

surrounding the same substantially throughout the length of the loop, said brushes being held in face to face engagement with each other with their loops side



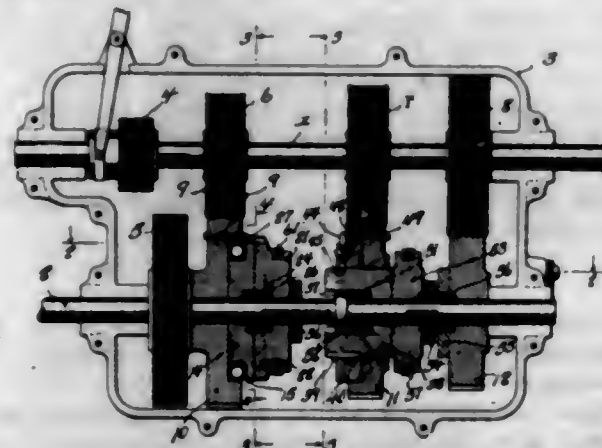
by side, one of said brushes being smaller than the other and positioned centrally with respect to the larger brush.

1,513,340. BUS-BAR STRUCTURE. DOUGLAS F. MINER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,530. 4 Claims. (Cl. 173-81.)



3. In a bus-bar structure, the combination with a plurality of inductively related groups of bus-bars of opposite polarity, each of which comprises a plurality of spaced parallel extending bus-bars, of a magnetizable bar disposed between the groups for providing a low reluctance path between the groups tending to localize the fields thereof.

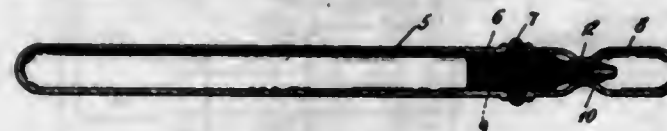
1,513,341. AUTOMATIC GEAR SHIFT. JOHN F. MITSCHKA and FLOYD WRIGHT, Milwaukee, Wis. Filed Mar. 5, 1923. Serial No. 622,985. 4 Claims. (Cl. 74-97.)



1. An automatic gear shift comprising a driving shaft and a driven shaft, a plurality of gears rigidly attached to one of such shafts, a plurality of gears loosely carried by the other of such shafts and operatively connected to said first mentioned gears to provide gear trains of

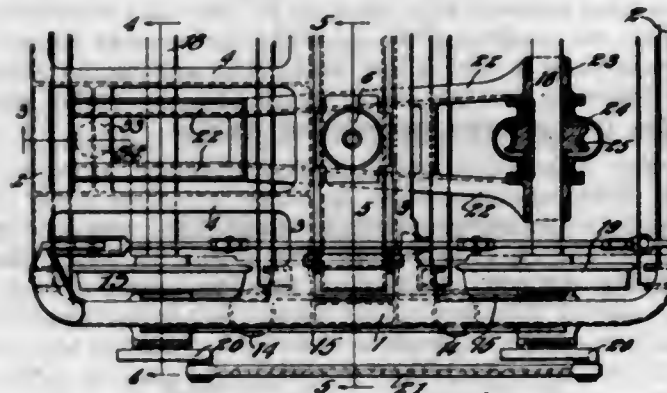
progressively increasing ratio, means adapted to operatively couple said last mentioned gears in succession to said driven shaft, a plurality of springs interposed between certain of said last mentioned gears and said means, and latches cooperating with said springs to successively release said means and thus secure the successive operative coupling of said second mentioned gears with the corresponding shaft.

1,513,342. APPLICATOR. FERDINAND W. NITARDY, Brooklyn, N. Y., assignor to E. R. Squibb and Sons, New York, N. Y., a Corporation of New York. Filed June 14, 1922. Serial No. 568,138. 10 Claims. (Cl. 128-260.)



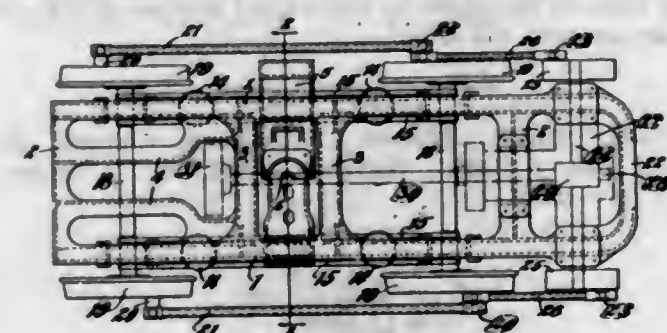
1. In an applicator, the combination of a fountain, a resilient closure at one end thereof having a passage therethrough and a cap having a constricted portion adapted to cooperate with the closure to seal the passage.

1,513,343. MOTOR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,142. 17 Claims. (Cl. 105-133.)



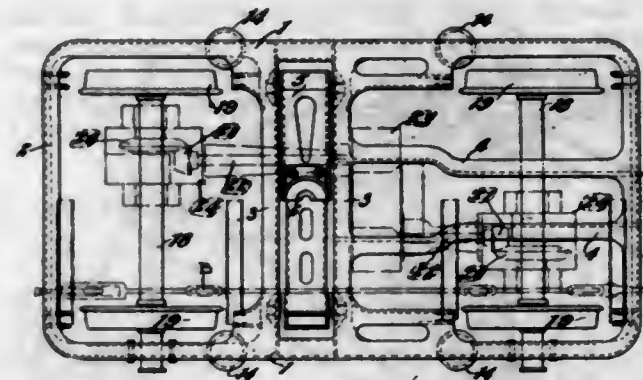
1. A truck frame consisting of a single steel casing having side, end and transom members, longitudinally disposed limit-stop members between an end and a transom member, and a motor-supporting frame movable between said limit stop members.

1,513,344. MOTOR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,143. 10 Claims. (Cl. 105-121.)



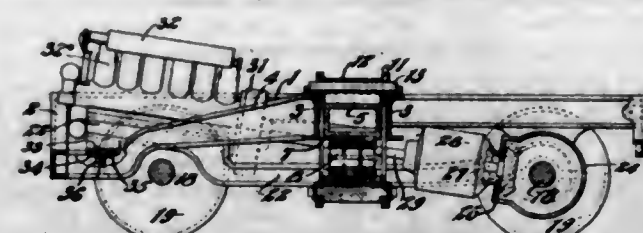
1. A truck frame consisting of a single steel casting having side, end and transom members, longitudinally disposed motor supporting members between an end and an adjacent transom member, and a counter-shaft supporting extension arranged at the opposite end of the truck frame.

1,513,345. MOTOR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,144. 7 Claims. (Cl. 105-117.)



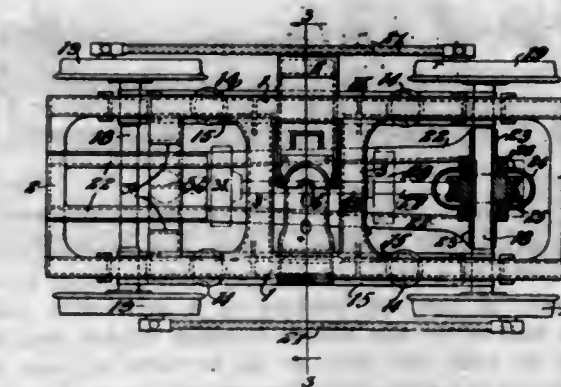
1. The combination of a truck frame, its wheels and axles, a motor mounted on said frame, a transmission gear casing juxtaposed to said motor, and shafts spaced from each other transversely of the truck extending from said casing in opposite directions and geared to said axles.

1,513,346. MOTOR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,145. 10 Claims. (Cl. 105-133.)



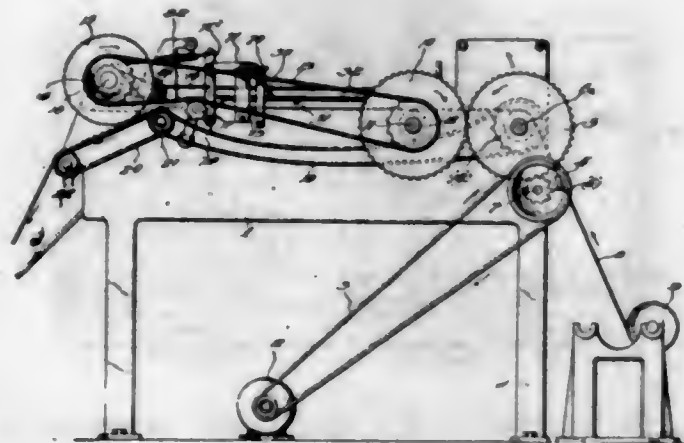
1. A truck frame having side, end and transom members, pedestal jaws and boxes, axles mounted in said boxes, a motor supporting frame having a bearing on one axle at one end, and an inclined motor supporting surface at its opposite end, said frame extending from one axle to a point beyond the other axle and being supported by the truck frame at said last mentioned extremity.

1,513,347. MOTOR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,146. 12 Claims. (Cl. 105-133.)



1. In combination with a truck frame, its wheels and axles, a motor supporting frame pivotally mounted on one of said axles and extending over and beyond the other axle, and a rocker bearing support on the truck frame between the axles for supporting the free end of said motor supporting frame.

1,513,348. UNIVERSAL SHEETING MACHINE. HIRSHMAN J. SCHULTZ, Chicago, Ill., assignor to W. F. Hall Printing Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1922. Serial No. 540,771. 5 Claims. (Cl. 164-68.)

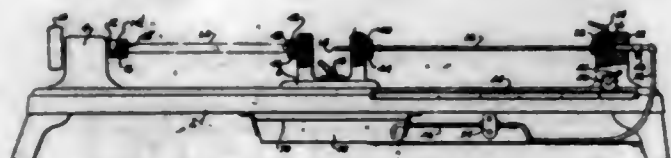


1. In a sheeting machine, the combination with means for feeding continuously a sheet of material, a cutting means functioning automatically to sever the sheet into predetermined lengths, operating means traveling adjacent the sheet and at substantially the same speed, connections between the operating and cutting means, said operating means manually operable for controlling the speed of said operating means whereby the sheet may be accurately severed at irregular intervals predetermined by the length of the designs on the sheet.

1,513,349. METHOD OF SHERARDIZING. OTHO V. STEWART, Wilkesburg, and LEON MCCULLOCH, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 9, 1921. Serial No. 483,626. 4 Claims. (Cl. 91-70.1.)

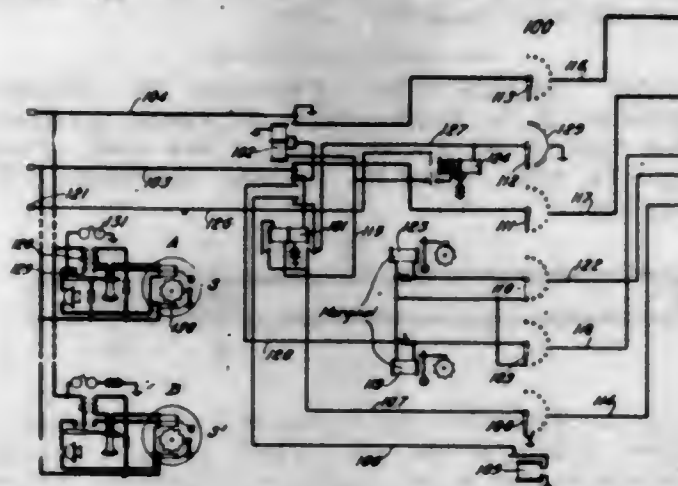
1. A method of coating metal which comprises heating the same for a predetermined length of time in the presence of zinc dust containing substantial amounts of iron, the temperature being substantially proportional to the iron content of the dust.

1,513,350. MEANS FOR AND METHOD OF DRILLING DEEP HOLES IN WOOD. JOHN WILLIAM STOLLE, Danbury, Conn., assignor to The Danbury Unbreakable Tool Corporation, Danbury, Conn., a Corporation of Connecticut. Filed Feb. 23, 1924. Serial No. 694,521. 12 Claims. (Cl. 144-93.)



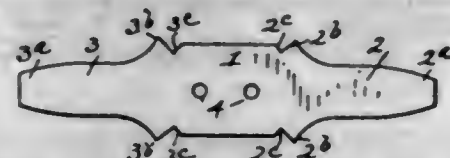
1. The method of drilling a deep hole approximately with the grain in a piece of wood, which consists in aligning the axis of the end portion of a drill with widely separated points in the wood, through which points it is desired to pass the drill so as to form a deep hole, causing the face of the drill to cut the wood along the line passing through said points and simultaneously cutting the side wall of the hole substantially equidistant from the axis of the drill at a portion thereof adjacent the cutting face of the drill to an extent not less than the feed during each relative revolution of the drill and wood and so as to ream the same and prevent binding the drill by contraction of the bore.

1,513,351. MEASURED-SERVICE TELEPHONE SYSTEM. DAWSON M. TAGGART, Lancaster, Pa., and FREDERICK J. SCUDDER, Long Island City, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,141. 20 Claims. (Cl. 179-9.)



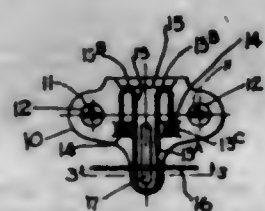
1. In a telephone exchange system, a calling line, a plurality of subscribers' substations on said line, a called line, automatic switching mechanism for establishing a connection between said lines, message registers associated with said calling line and individual respectively to said substations, means associated with the several substations for placing discriminatory test conditions on said calling line, means associated with said switching mechanism common to a plurality of lines and responsive to said test conditions for selecting the message register corresponding to the calling substation, and means effective following the successful establishment of the connection for operating the selected register.

1,513,352. PRESSED-METAL ARTICLE. HENRY G. THOMPSON, Cleveland, Ohio. Filed May 31, 1922. Serial No. 565,005. 4 Claims. (Cl. 113-116.)



1. The method of forming a hook-like article which comprises blanking out of sheet metal a blank having a central portion and oppositely extending arms, forming said blank by moving the edges of the said arm portion and the central portion to provide upstanding flanges, then rolling over the edges of the flanges on the arms into substantial contact thereby forming hollow tubular arms, and rolling the flanges formed in the central portion into contact with the central portion thereby forming a bead at the edges of the central portion which are contiguous with the arms.

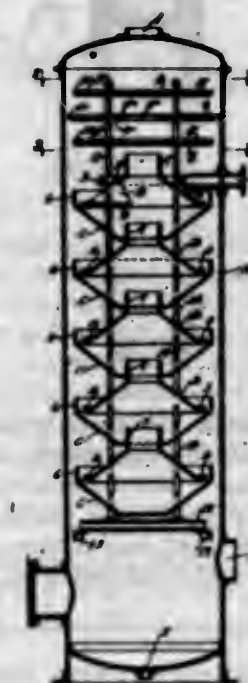
1,513,353. CLIP. ALBERT C. VANERKA, Chicago, Ill. Filed Oct. 1, 1921. Serial No. 504,808. 2 Claims. (Cl. 24-255.)



1. In a rope clip and in combination, a base plate member, a U-shaped spring clip mounted on said member, said member having a raised portion extending longitudinally between the parallel sides of said U-shaped clip

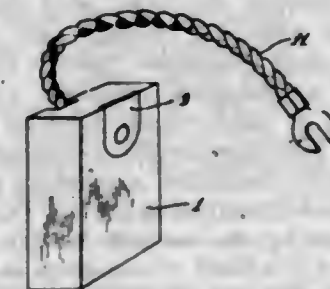
for flexing the rope to increase the frictional retaining action of said clip, said U-shaped spring clip having the ends thereof bent to form inverted U's and sockets integral with said base member for retaining said inverted U-ends.

1,513,354. VAPOR SEPARATOR. JAMES M. WADSWORTH, Fort Worth, Tex. Filed Dec. 27, 1921. Serial No. 525,169. 2 Claims. (Cl. 183-25.)



1. A vapor separator, comprising a vertically-disposed separating chamber provided adjacent its upper end with a vapor outlet, a series of frusto-conical-shaped baffles arranged in said chamber, one above the other, and provided at their upper ends with tubular portions that co-operate with each other to virtually form an uptake flue through which the vapors travel upwardly at the center of said chamber, a series of inverted frusto-conical-shaped baffles arranged between the baffles first referred to and provided at their upper edges with flanges arranged in close proximity to the side wall of said chamber, the lower ends of the baffles of the series first referred to being spaced away from the second series of baffles, and an annular liquid supplying device arranged inside of the separating chamber above the top baffle and provided on its underside with orifices through which the liquid is projected downwardly in the form of a spray onto said top baffle.

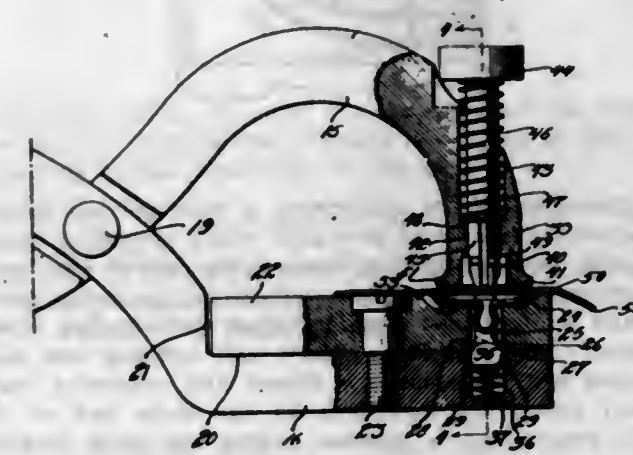
1,513,355. INTERCHANGEABLE ELECTRICAL CONNECTION FOR CARBON BRUSHES. RICHARD H. WARD, Queens, N. Y. Filed Jan. 17, 1923. Serial No. 613,124. 14 Claims. (Cl. 171-326.)



1. An assembly of the character described embodying a brush provided in one of its faces with a circular recess, a flexible connection provided at one end with a circular apertured eye of less thickness than its outside diameter, and means for expanding said eye in a radial

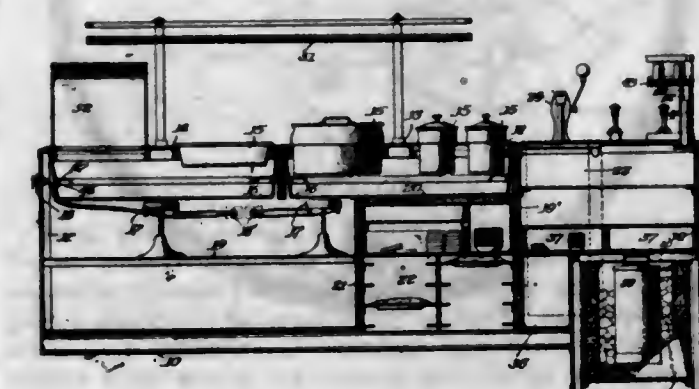
direction within the recess of the brush to insure tight contact between the periphery of the eye and side wall of the recess and to simultaneously secure the eye to the brush.

1,513,356. FASTENING DEVICE. BYRON SAMUEL WATSON, Camden, N. J., assignor of one-half to David A. Phreaner, Audubon, N. J. Filed Jan. 23, 1922. Serial No. 531,082. Renewed Aug. 13, 1924. 8 Claims. (Cl. 1-50.)



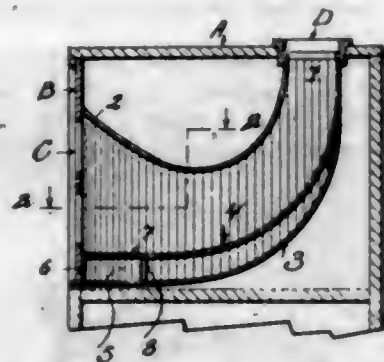
6. A device of the character described including a die provided with a recess for receiving a part of a fastener; means for centering said part of the fastener within said recess; means movably mounted with respect to said die; a plunger slidably mounted in said movable means and provided with resilient elements for engaging within a second part of a fastener having piercing points and to hold the same against said movable means during a setting operation; and resilient means for automatically retracting said plunger to hold the second fastener part against said movable means, said die being shaped to deflect said piercing points to embrace the first part of the fastener and said plunger being arranged to automatically release said second part during this operation.

1,513,357. PORTABLE FOOD TABLE. OWEN T. WEBER, Chicago, Ill., assignor to Marshall Field & Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1921. Serial No. 509,657. 3 Claims. (Cl. 45-16.)



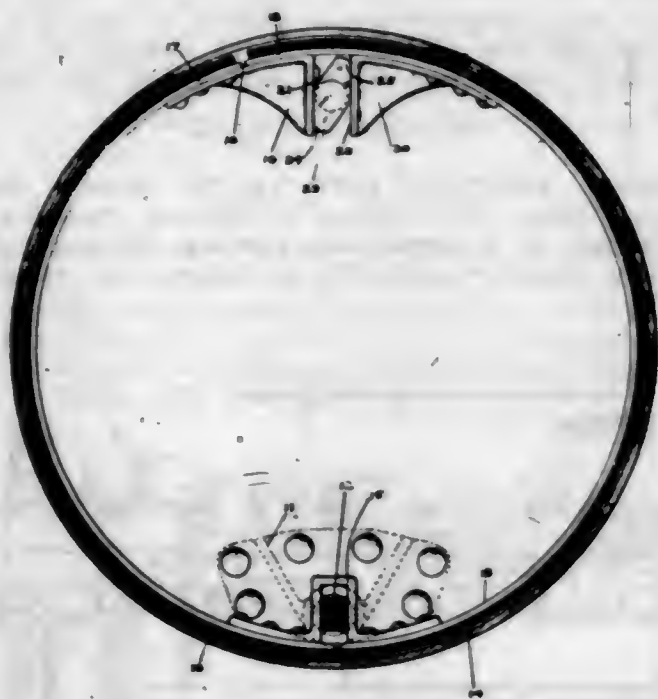
2. A portable food table comprising a frame, a pan mounted within said frame, said pan having holding means located intermediate of its height and other holding means located near the top thereof, a readily removable baffle extending around the inside of said pan and supported by said first mentioned holding means, and a readily removable receptacle holding member mounted upon said last mentioned holding means.

1,513,358. PHONOGRAPH HORN. MARIUS J. WISBY, Racine, Wis. Filed July 3, 1922. Serial No. 572,719. 1 Claim. (Cl. 181-27.)



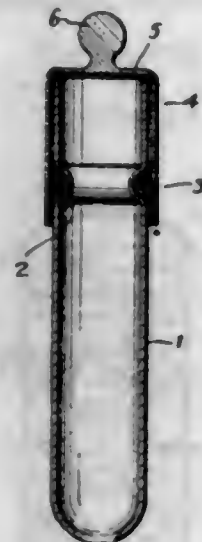
A phonograph horn comprising a horn portion having a restricted throat and divergent walls extending therefrom, the upper and lower walls being curved and gradually divergent, and the side walls being gradually divergent and straight, one of said curved walls having a pair of spaced apertures, an auxiliary wall merging into such apertured wall adjacent the throat and gradually curving and separating therefrom as the outer end of the horn is approached, a member closing the space between the apertured wall and the auxiliary wall and located adjacent the outer end of the horn, and a support between said auxiliary and apertured walls and contacting with said apertured wall at a point between said apertures.

1,513,359. BRAKE. THOMAS ZIMMERMAN, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 6, 1919. Serial No. 275,366. 1 Claim. (Cl. 188-7.)



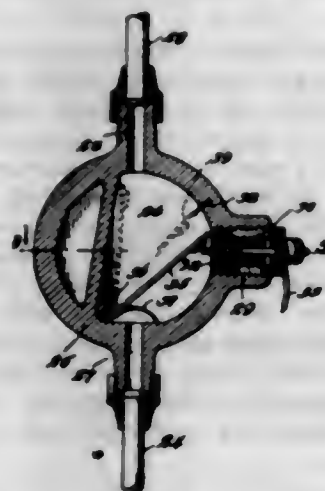
In brake mechanism, the combination of a brake drum, a brake band cooperating therewith and having slightly spaced ends relatively movable circumferentially of said drum, a pair of spaced brackets, one secured to each of said ends, arranged in circumferentially offset relation to the space between the ends of said band whereby one of said brackets projects across the space between the ends of said band and overlaps and engages the opposite end of the band when the latter is pressed against said drum, and actuating means between said brackets and cooperating therewith.

1,513,360. TEST TUBE FOR CLINICAL AND BACTERIOLOGICAL LABORATORIES. ELEAZA ABLEHADIAN, Glendale, Calif. Filed Oct. 13, 1923. Serial No. 665,439. 2 Claims. (Cl. 215-37.)



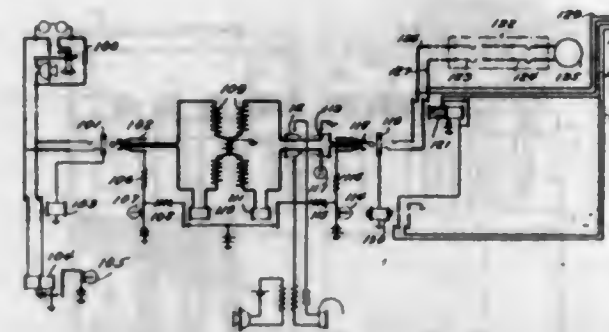
1. Chemical apparatus for bacteria culture in clinical and bacteriological laboratories, comprising the combination of a tube having a circumferential groove toward the top thereof, a cap removably disposed over the open end of said tube and over said groove, and cotton disposed in said groove and compressed by said cap.

1,513,361. PRESSURE-OPERATED CIRCUIT CLOSER. THOMAS STANLEY ABBEY, Elmhurst, N. Y. Filed Dec. 2, 1920. Serial No. 427,665. 8 Claims. (Cl. 200-81.)



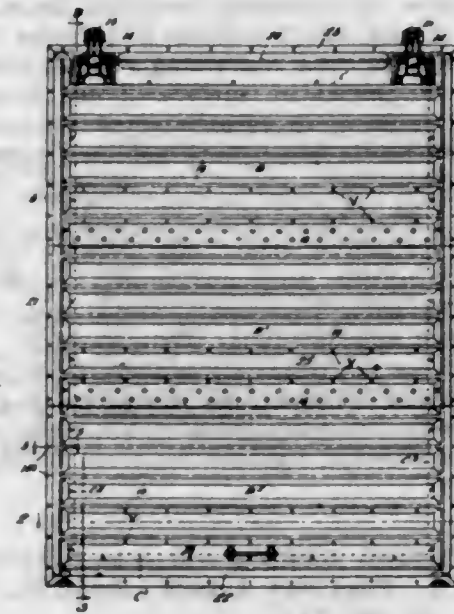
1. In a device of the class described, the combination of a casing provided with a mechanism-containing chamber having a fluid inlet port and an outlet port, mechanism mounted in said chamber and including a primary valve normally closing the inlet port and movable by the fluid pressure admitted through said inlet port into two succeeding open positions, means for forming an electric circuit, a combined movable electric contact constituting part of said circuit forming means and a secondary valve both operatively connected to said primary valve to move therewith, a coacting relatively fixed electric contact also constituting part of said circuit forming means engaged by the movable electric contact when the primary valve is closed to complete said electric circuit, an obstruction in the chamber in spaced relation to the fixed contact and coacting with the secondary valve to choke the passageway between the inlet and outlet ports when said primary valve is in the first of its succeeding open positions, said secondary valve being movable past said obstruction in the movement of the primary valve to its fully open position.

1,513,362. TELEPHONE-EXCHANGE SYSTEM. LOUIS M. ALLEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,471. 15 Claims. (Cl. 179-27.)



1. In a telephone system, a plurality of operators' positions, a group of trunks, a trunk selector switch, a plurality of position selector switches, each serving a different group of said positions, means for operating the trunk selector to select one of said trunks, means for operating the position selector serving the group containing a particular operators' position, and means at such position for indicating the identity of the trunk selected.

1,513,363. SHEET-METAL DOOR. ALLAN S. BARROWS, Chicago, Ill. Filed Aug. 27, 1920. Serial No. 406,310. 7 Claims. (Cl. 189-46.)

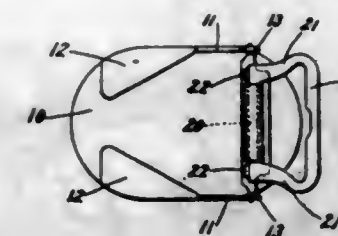


1. As an article of manufacture, a door comprised of sheet metal having a plurality of horizontally and outwardly extended corrugations therein, the corrugations presenting downwardly and inwardly sloping lower sides, said door being provided with openings through some of said lower sides of the horizontal corrugations, each of said openings being provided with a downwardly projecting wall at its upper outer edge, said walled openings being formed by slitting and bending the metal outwardly to the exposed side of the door, the outwardly bent wall portions of the metal serving as weather shields for the openings.

1,513,364. BELT BUCKLE. DANIEL S. BEARS, Providence, R. I., assignor to Reliance Manufacturing Co., Providence, R. I., a Copartnership composed of David A. Hart and Dexter E. Partelow. Filed Mar. 12, 1924. Serial No. 698,693. 3 Claims. (Cl. 24-191.)

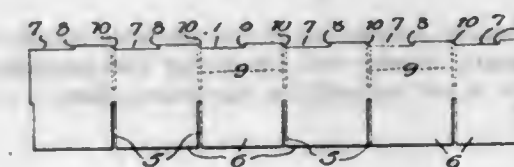
1. A buckle having a body portion, a sheet metal belt-clamp pivotally supported in the body and having a por-

tion folded into eye-form out of axial alignment with the clamp pivots, a ball member having a bar pivotally



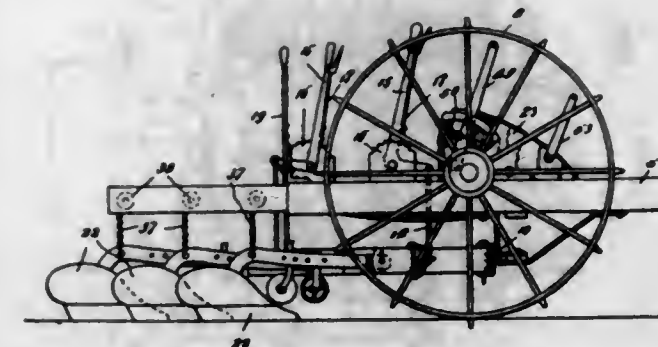
mounted in said eye, and means adjacent the pivot of the ball for limiting the gripping movement of the clamp relatively to the movement of the ball.

1,513,365. SHEATHING MATERIAL. GEORGE C. BLOHM, South Bend, Ind. Filed May 9, 1921. Serial No. 468,020. 6 Claims. (Cl. 108-8.)



1. A sheathing strip provided with tongues integral with an edge thereof and extending from the upper edge partially across the back of the strip, for positioning said strip relative to an adjacent strip placed beneath it.

1,513,366. TRACTOR PLOW. ELMER F. BORSTED, Napoleon, Ind. Filed Aug. 10, 1923. Serial No. 656,655. 1 Claim. (Cl. 97-50.)

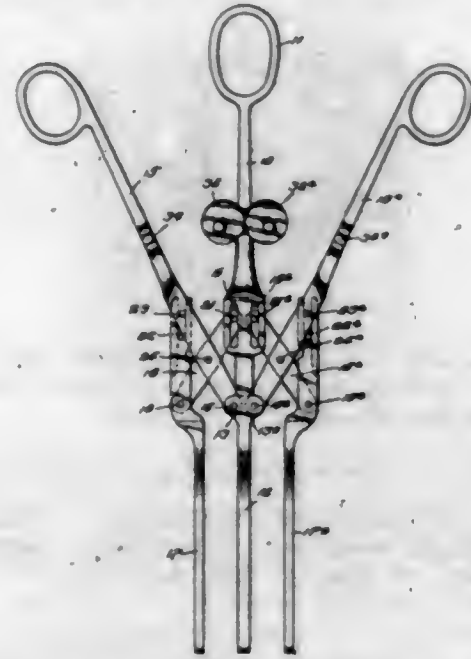


In a tractor plow of the class described, a floating frame supported at the rear end of said tractor, plow elements pivoted to said frame, means operable by a power shaft of the tractor for elevating said plows, and means for raising and lowering said floating frame, together with means for moving said frame in lateral directions beneath the tractor frame.

1,513,367. STOMACH CLAMP. HAROLD MOURITZ, Brix, Chicago, Ill., assignor to Sharp & Smith, a Corporation of Illinois. Filed Nov. 3, 1923. Serial No. 672,517. 3 Claims. (Cl. 128-346.)

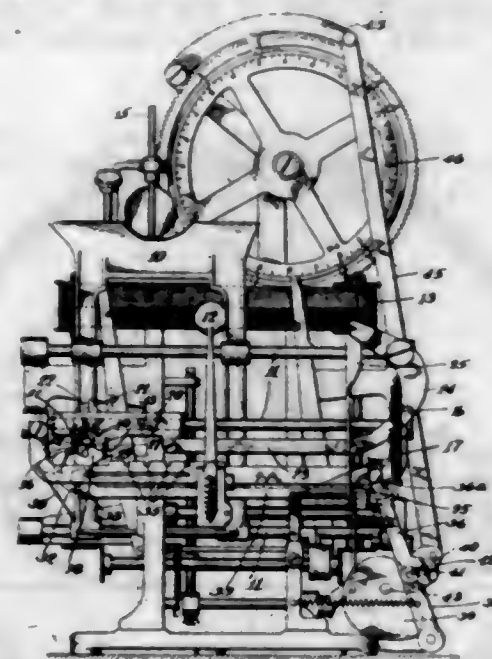
2. A device of the character described comprising; a stationary handle; a stationary jaw attached to the stationary handle; two movable handles pivoted to the stationary handle; a movable jaw arranged in conjunc-

tion with each of the movable handles; and a pivoted link connection between each of the movable jaws and the corresponding movable handle and the stationary



handle whereby movement of the movable handle toward the stationary handle will cause the corresponding movable jaw to move toward the stationary jaw.

1,513,368. TIME RECORDER. JAMES W. BRYCE, Bloomfield, N. J., assignor to International Time Recording Company, Endicott, N. Y., a Corporation of New York. Filed Aug. 17, 1922. Serial No. 582,346. 9 Claims. (Cl. 234-43.)

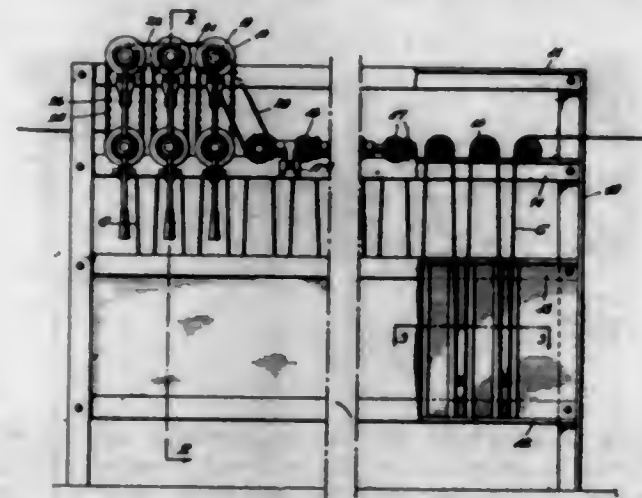


1. In a time recorder, in combination with a card receiver, time controlled means for determining the position of the receiver, a printing manual, means operable upon the actuation of the printing manual for displacing the receiver at each operation from a normal home position to a time determined position, and means operable after each printing operation for returning the receiver to normal position.

1,513,369. FABRIC-DRYING MACHINE. ERNEST CADGÈNE, Englewood Cliffs, and GEORGE DUPONT, Paterson, N. J. Filed June 29, 1923. Serial No. 648,517. 12 Claims. (Cl. 34-48.)

8. In a machine for drying crepe fabrics, a drying box, a plurality of upper rolls about which the fabric is trained to form a plurality of substantially vertically extending loops, means to drive the rolls at the entrance

end of the box at variable speeds to compensate for variable shrinkage of the material in its passage through the machine and means suspended for free vertical move-



ment to engage the fabric at the lower ends of said loops to permit variation of the lengths of said loops to compensate for shrinkage of said fabric.

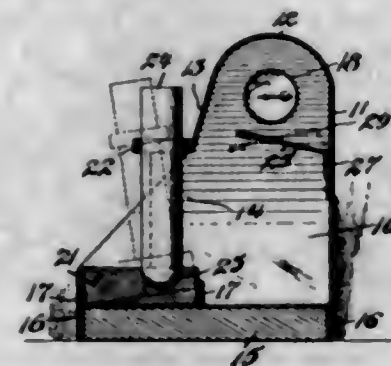
1,513,370. SODA-PRINT PROCESS. ERNEST CADGÈNE, Englewood Cliffs, and JULES JEANDROS, Paterson, N. J.; said Jeandros assignor to said Cadgène. Filed Feb. 15, 1924. Serial No. 693,123. 12 Claims. (Cl. 41-41.)

1. The process of producing brocaded figured effects upon textile fabrics which consists in printing said fabrics with a printing color containing a resist composition and applying to the entire surface of one face of said fabric a coating of a chemical adapted to destroy the threads of said fabric which have not been treated with said resist composition.

1,513,371. PROCESS FOR TREATING PIPE LINES. ARTIS C. CAMPBELL, Tulsa, Okla. Filed June 29, 1922. Serial No. 571,815. 2 Claims. (Cl. 87-5.)

1. In a process for removing deposits from pipe lines used for conveying crude oil, the step of passing through the lines a composition consisting of soda ash, sal soda, sodium bicarbonate and naphtha dissolved in water.

1,513,372. TESTING DEVICE. CHARLES PATTON CLARK, Summit, N. J. Filed Nov. 2, 1923. Serial No. 672,251. 5 Claims. (Cl. 88-14.)



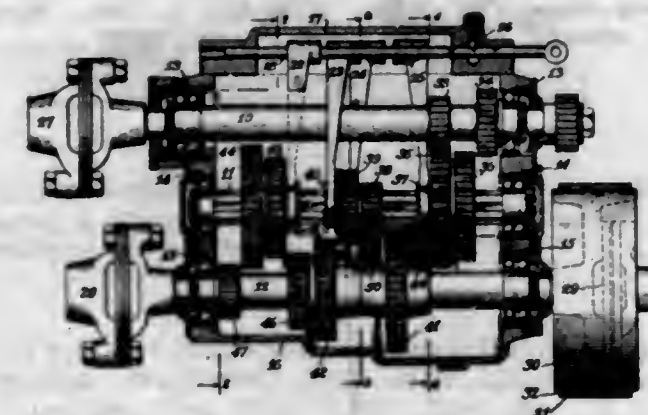
1. A testing device comprising a casing with its front open at the lower portion, a light in the upper portion a test tube holder in the opening in the front and a shield to keep light rays from striking the casing behind the test tube holder so that test tubes in the holder are provided with a background that is not illuminated.

1,513,373. DISPENSING APPARATUS. GEORGE JOSEPH CORPORA, Amesbury, Mass. Filed Feb. 2, 1922. Serial No. 533,528. 2 Claims. (Cl. 221-107.)



1. A dispensing apparatus including a reservoir to contain the material to be dispensed, a casing connected to said reservoir and including a cylindrical portion formed of two half sleeves having their edges detachably connected together, a cylinder arranged in said casing and provided with outwardly extending edge portions engaging the edges of the ends of the cylindrical portion of said casing, a measuring receptacle carried by said cylinder, and a discharge conduit carried by said casing and adapted to permit the measuring receptacle to discharge its contents.

1,513,374. TRANSMISSION MECHANISM FOR AUTOMOTIVE VEHICLES. FRED H. COZZENS, New York, N. Y. Filed May 5, 1920. Serial No. 378,965. 3 Claims. (Cl. 74-58.)

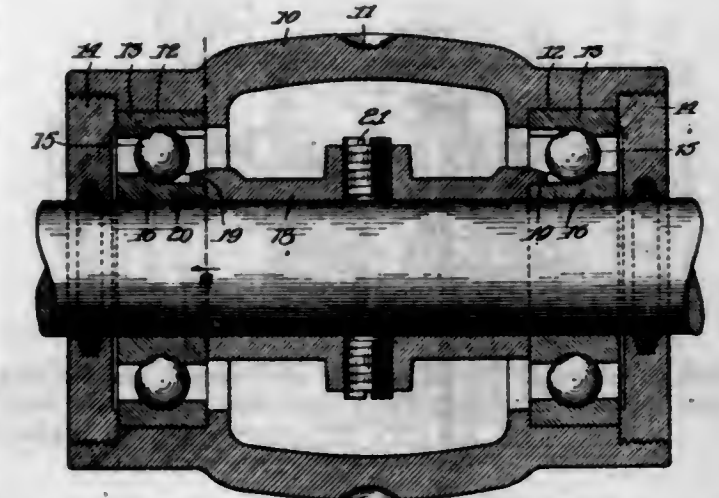


1. In a variable speed transmission gearing for automotive vehicles, in combination, a driving shaft, a forward countershaft, variable speed gearing between the said shafts to drive the countershaft at variable speed, a driven shaft, a reverse countershaft, and relatively shiftable gearing for connecting the reverse countershaft with the forward countershaft and the driven shaft to drive the latter at constant speed relative to the speed of the forward countershaft, said variable speed gearing between the driving shaft and forward counter shafts being adapted to drive the forward counter shaft at a plurality of speeds to thereby drive the driven shaft at a plurality of reverse speeds.

1,513,375. BALL BEARING. JOHN DLEK, Jr., Chicago, Ill., assignor to Strom Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1924. Serial No. 721,792. 2 Claims. (Cl. 64-36.)

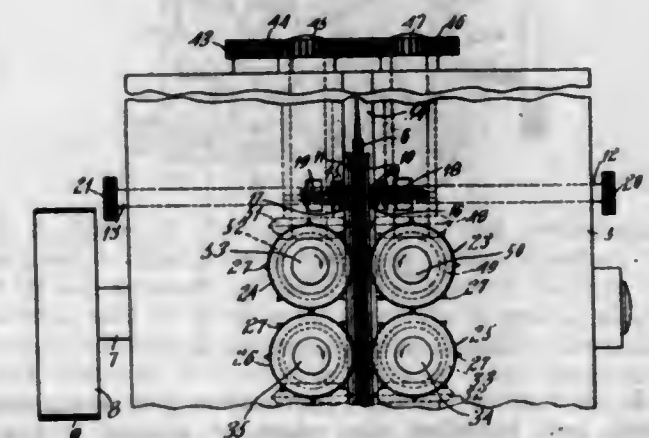
1. In combination, a ball bearing comprising inner and outer race-members and balls therebetween, said inner

race-member having a filling slot, a housing surrounding the outer race-member, a shaft in the inner race-



member, a collar secured to said shaft and having a lug extending into the filling slot of the inner race-member to prevent it from turning on the shaft.

1,513,376. TAP-SPLITTING MACHINE. JOHN F. DONNELLY and ERNEST S. JOHNSON, Brockton, Mass., assignors, by mesne assignments, to Panco Rubber Company, Chelsea, Mass., a Corporation of Massachusetts. Filed June 29, 1923. Serial No. 648,518. 6 Claims. (Cl. 69-16.)

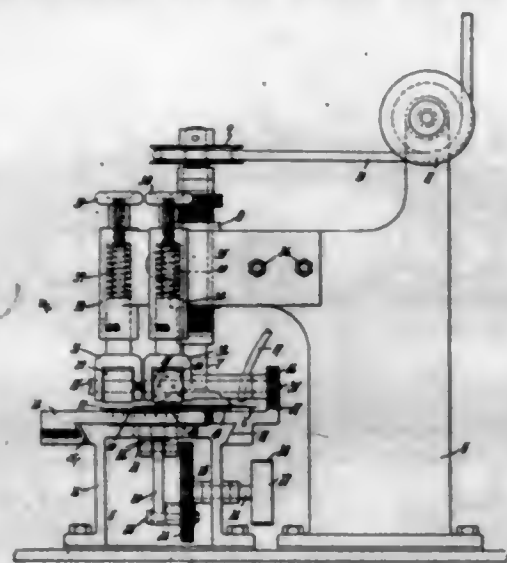


1. A tap splitting machine having, in combination, a frame having a recess, one surface of which constitutes a guide for the rear edge of the tap, a rotary cutter extending into the recess and adapted to split the tap to a depth of cut less than the length of the tap, and means for guiding the tap relatively to the cutter in a plane parallel to the face of the cutter.

1,513,377. TAP-SPLITTING MACHINE. JOHN F. DONNELLY and ERNEST S. JOHNSON, Brockton, Mass., assignors, by mesne assignments, to Panco Rubber Company, Chelsea, Mass., a Corporation of Massachusetts. Filed June 29, 1923. Serial No. 648,519. 4 Claims. (Cl. 69-16.)

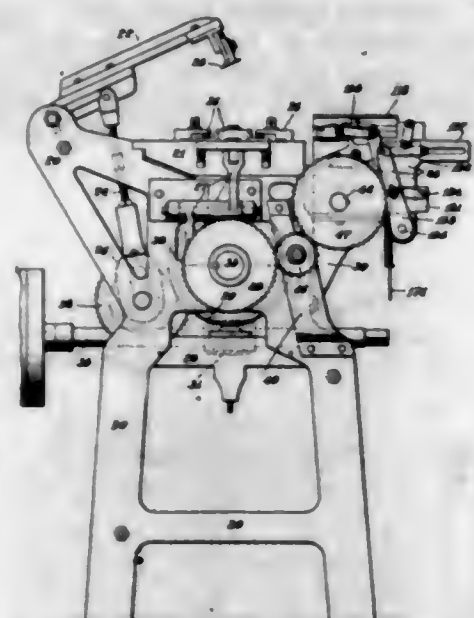
1. A machine for splitting taps having, in combination, a rotary cutter, a reciprocating slide for holding

a tap and presenting it to the cutter in a plane parallel to the face of the cutter, a feed roll for engaging the



tap on the side opposite from the slide, and connections between the slide and the feed roll for positively rotating the latter.

1,513,378. FOLDING MACHINE. GARRY J. DORMANDY, Troy, N. Y., assignor to Lion Collars & Shirts, Troy, N. Y., a Corporation of New York. Filed June 23, 1923. Serial No. 647,305. 28 Claims. (Cl. 223-55.)

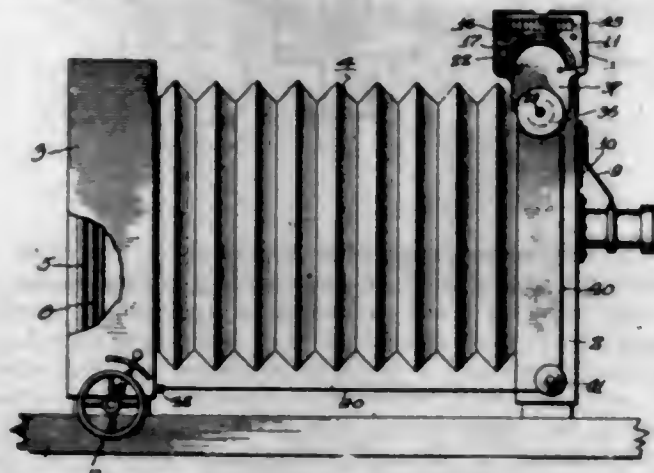


1. In a folding machine, mechanism for supporting, defining and infolding the edges of blanks, a lower member adapted to receive the successive folded blanks after disengagement from the supporting, defining and infolding mechanism; an upper member above the lower member, said members fitted for relative approach and recession of one of them to squeeze and then release each blank and relative lateral movement of one of them to bring said members into and out of operative relation, and means for actuating the infolding mechanism and said members in coordination.

1,513,379. METHOD OF ASCERTAINING CAMERA STOPS. FLETCHER DOUTHITT, Detroit, Mich. Filed July 2, 1920. Serial No. 393,706. 12 Claims. (Cl. 95-81.)

1. The method of ascertaining the combination of stops for the production of half tone dot negatives, by a plurality of exposures in a camera having a lined screen and adapted to have a sensitized plate placed in the rear thereof, a lens movable to and from the screen, an automatic measuring instrumentality between

the lens and screen, an adjustable diaphragm for the lens, a diaphragm stop scale adjacent said diaphragm, and an interchangeable time exposure scale adjacent said measuring instrumentality, which method consists in first selecting and placing in position a time exposure scale for the particular lined screen in the camera; second, focusing a copy to size to actuate the measuring instrumentality; third, setting the adjustable diaphragm according to the measuring instrumentality on the first



stop diaphragm scale; fourth, exposing the sensitized plate to the copy for the time elected on the time exposure scale for the first stop; fifth, adjusting the diaphragm for the second stop on the diaphragm scale; sixth, again exposing the sensitized plate for a time indicated on the time exposure scale for the second stop, and successively adjusting the diaphragm and making exposures for the predetermined stops and time exposures.

1,513,380. BOUNCING CANE. ELLIS R. DUMBOLTON, Long Island City, N. Y. Filed Mar. 1, 1924. Serial No. 696,256. 7 Claims. (Cl. 46-37.)

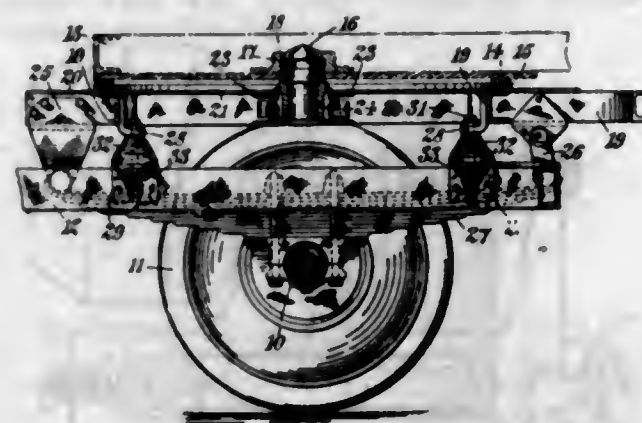


1. A bouncing cane provided with a resilient wire tip, the tip provided with looped portions adjacent to its ends, and having middle looped portions adjacent to the former, the middle looped portions being united to form an arch whose top lies in the axial projection of the staff of the cane.

1,513,381. TRANSPORT VEHICLE. CHARLES KEARNS EDWARDS, London, England, assignor to The Associated Equipment Company, Limited, Westminster, London, England, a British Company. Filed Nov. 9, 1923. Serial No. 673,710. 3 Claims. (Cl. 280-33.1)

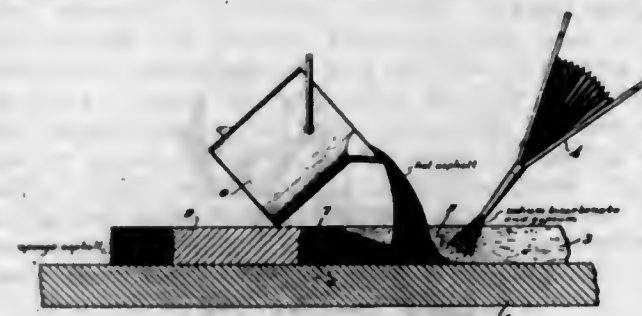
1. A transport vehicle comprising a tractor portion to receive a trailer portion, a turntable bearing for connecting the tractor and trailer, means for resiliently

supporting said turntable upon the rear axle of the tractor, and four depending resilient links for resiliently supporting the rear end of the tractor chassis from the



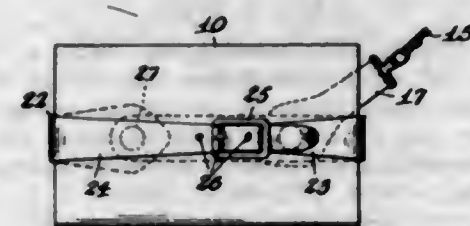
turntable, two of said links being situated on each side of the longitudinal centre line of the vehicle with one of each such pairs forward and the other rearward of the axis of the turntable.

1,513,382. METHOD OF TREATING CREVICES IN ROADS, BUILDINGS, AND THE LIKE. ALBERT C. FISCHER, Chicago, Ill. Filed Sept. 11, 1922. Serial No. 587,612. 8 Claims. (Cl. 94-23.)



8. The method of filling a crevice, which consists in pouring a filling material thereinto and expanding said material after it is in the crevice.

1,513,383. THEFTPROOF DEVICE FOR POCKET-BOOKS, WALLETS, AND THE LIKE. ADOLPH FLEISCHER, New York, N. Y. Filed May 20, 1922. Serial No. 562,451. 4 Claims. (Cl. 150-47.)

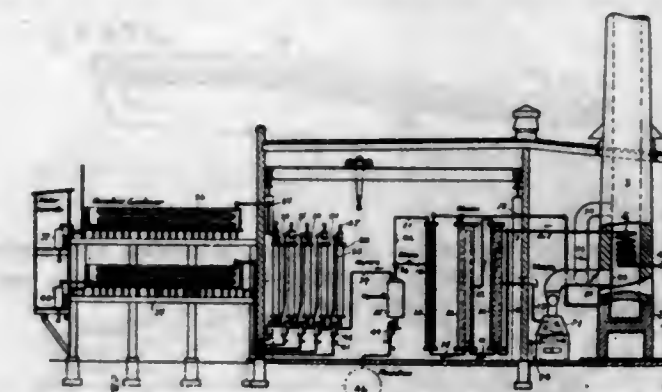


4. A device of the class described comprising a flexible member, a clasp device at one end of said member, a strap at the other end of said member and a part of an attaching device on said strap.

1,513,384. SYSTEM AND APPARATUS FOR REFINING OIL. CHAUNCEY BLAIR FORWARD, Urbana, Ohio. Original application filed Jan. 9, 1919, Serial No. 270,408. Divided and this application filed Feb. 15, 1919. Serial No. 277,140. 1 Claim. (Cl. 196-105.)

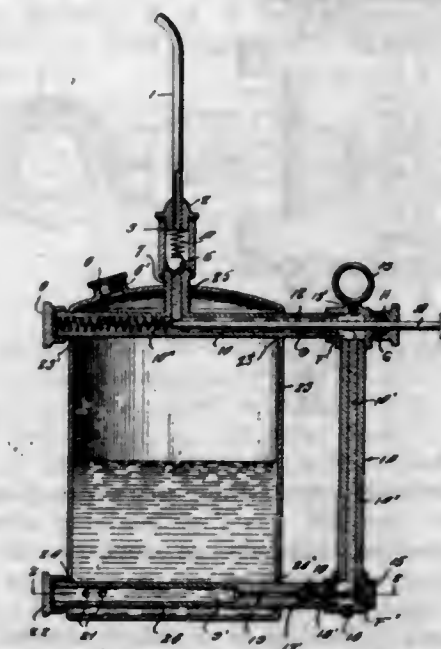
A system and apparatus for refining oil, comprising a steam boiler and steam superheater having a common

waste-heat stack, a series of oil heaters in steam connection with each other and said boiler and superheater, and separate oil conveying coils within said stack



and heaters respectively pipe-connected in series to first pass the oil through said stack and then through said heaters.

1,513,385. OIL CAN. ADAM F. GOOD, Manchester, Okla. Filed Apr. 24, 1922. Serial No. 556,345. 2 Claims. (Cl. 221-51.)

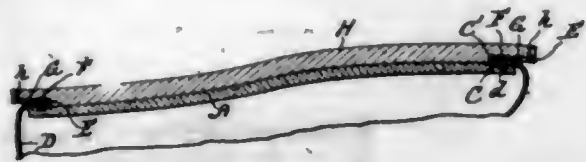


2. A device of the character described, comprising a container, a substantially U-shaped hollow structure having its leg members extending transversely through said container and its intermediate portion in spaced relation to said container to provide a handle portion for the container, closures for the free ends of said structure, a check valve in the lower leg member of the said structure, said lower leg member being provided with a series of openings in advance of the said check valve to permit the fluid from said container to pass into the hollow portion thereof, a hollow extension on said structure projecting upwardly through the top of said container, a check valve at the upper end of said extension, a dispensing spout arranged above said check valve, means to normally maintain said last named check valve in a seated position, a plunger operable in said structure between said check valves, means for yieldably maintaining said plunger in its outermost position relative to said U-shaped structure and means to facilitate the filling of said container, substantially as described.

1,513,386. ART OF MAKING SHOES AND SHOE RESULTING THEREFROM. WILLIAM HARRY GOODYEAR, Carlisle, Pa., assignor to Goodyear Shoe Co., Carlisle, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1924. Serial No. 697,212. 7 Claims. (Cl. 36-17.)

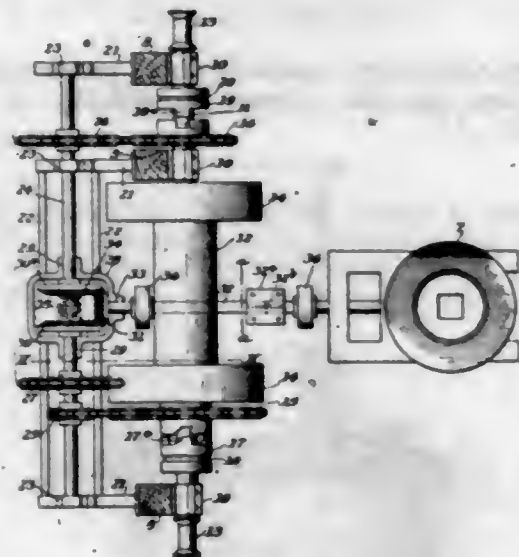
7. In the art of making shoes, the process which consists in imposing on a last an insole provided with a

channel and a feather, lasting an upper, attaching a welt to the edge portion of said upper and to the feather.



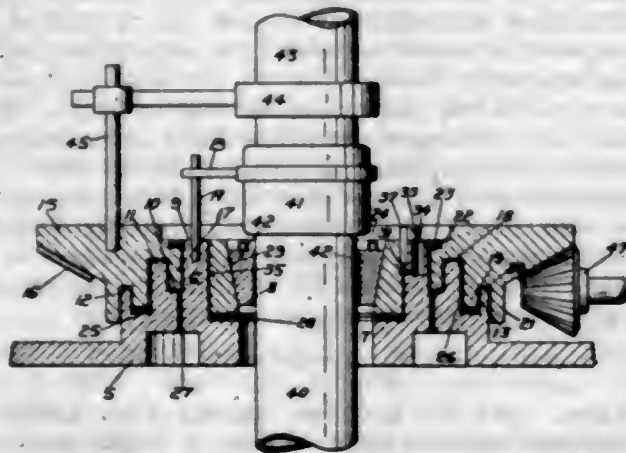
dislodging the last from the upper, stitching the upper and the welt exteriorly of the edge of the insole, and stitching an outsole to the welt.

1,513,387. ROTARY HOIST. EDGAR E. GREVE, Bellevue, Pa. Filed May 3, 1922. Serial No. 558,194. 6 Claims. (Cl. 255-19.)



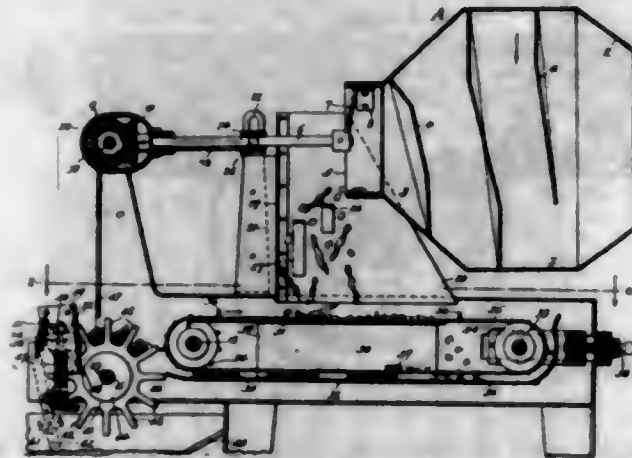
1. A hoist for rotary drilling operations comprising a drum, a shaft therefor, posts on one side of which the shaft is supported, brackets on opposite side of said posts projecting outwardly from the posts having bearings therein spaced outwardly from the posts and below the drum shaft, a line shaft in said bearings, said line shaft thereby being disposed to one side of the drum shaft and below it, and means for driving the drum shaft from the line shaft.

1,513,388. ROTARY FOR EARTH BORING. EDGAR E. GREVE, Bellevue, Pa. Filed Apr. 14, 1923. Serial No. 632,032. 20 Claims. (Cl. 255-23.)



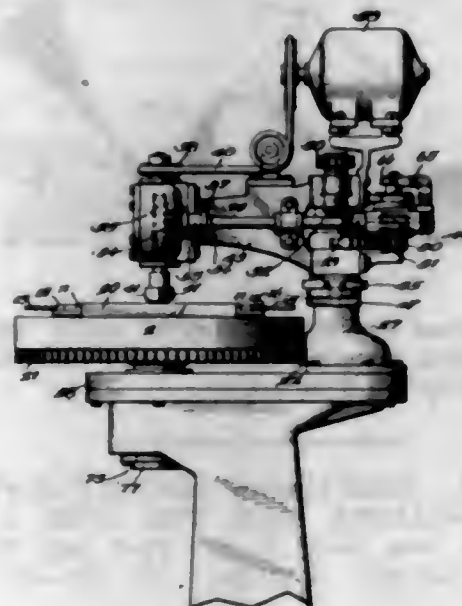
1. A rotary comprising a base, a rotary table carried by the base, and a slip receiving spider rotatably mounted in the base rotatable relatively to the table.

1,513,389. MACHINE FOR CUTTING UP STRING BEANS. EMIL GUNTHER and FRED J. GUNTHER, Racine, Wis. Filed May 17, 1924. Serial No. 713,989. 14 Claims. (Cl. 146-164.)



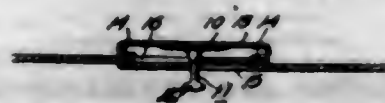
1. A string-bean cutter comprising the combination of a mass-distributor, a carrier-straightener, a rotary wheel with slotted shelves and knives passing within the slots, substantially as described.

1,513,390. PLANER. HORACE W. HACKER, Chicago, Ill. Filed Nov. 5, 1921. Serial No. 512,973. 19 Claims. (Cl. 90-15.)



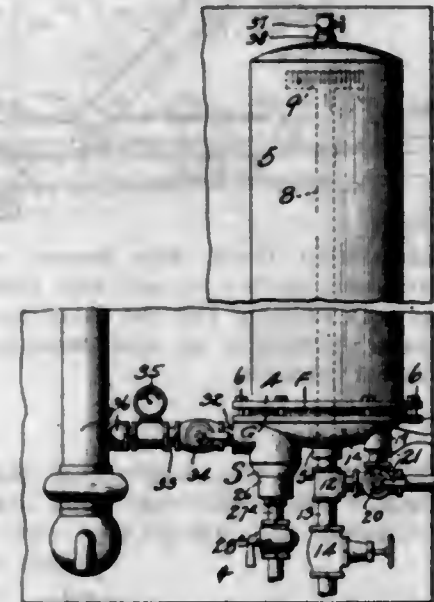
1. In a planer, the combination with a rotatable planer head; of a rotatable planer bed, one of the aforesaid elements being mounted to bodily swing; and a mounting for one of the aforesaid elements for holding the axis thereof and the axis of swinging movement out of parallelism.

1,513,391. COLLAR BUTTON. CHARLES A. HARMS, Indianapolis, Ind. Filed Nov. 20, 1923. Serial No. 675,897. 3 Claims. (Cl. 24-101.)



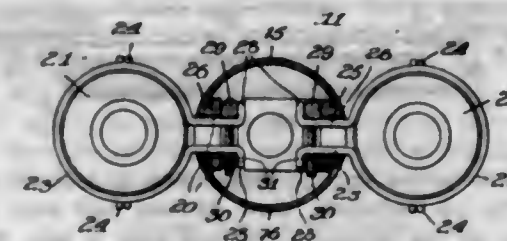
1. A collar button comprising a base having a flat side, a head, and a neck, and extensions at opposite edges of the base having their ends turned toward said neck on the same side of the base, substantially as set forth.

1,513,392. FILTER. HARRY BUXTON HARTMAN, Scottsdale, Pa., assignor to Electric Water Sterilizer & Ozone Company, Scottsdale, Pa., a Corporation of Pennsylvania. Filed Feb. 8, 1922. Serial No. 534,993. 4 Claims. (Cl. 210-144.)



1. A filter device of the class described comprising a tank including a base and superposed casing, a filtering plate clamped between the base and the casing, a water inlet connection extending upwardly through the base and through the filtering plate into the tank, a flush connection communicating with the base below the filtering plate, a valve for controlling the flow to either the inlet connection or the flush connection, filtered water delivery means connected to the base and having a discharge outlet and providing a filtered water chamber having an opening communicating with the base below the filtering plate, and a screen arranged to receive the water from the base through said opening.

1,513,393. ELECTRIC-SOCKET-SUPPORTING STRUCTURE. MAX HERSKOVITZ, Chicago, Ill., assignor to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 21, 1921. Serial No. 446,565. 7 Claims. (Cl. 240-78.)



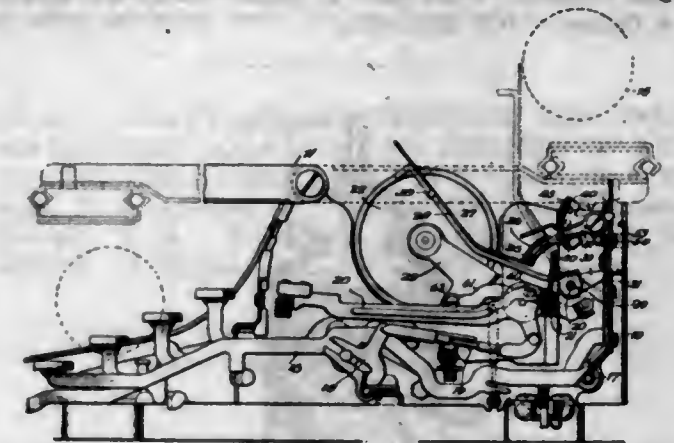
1. In an electric-socket-supporting structure, the combination of a hollow supporting member presenting a chamber and containing an opening in its wall, an electric-bulb-receiving socket located exteriorly of said supporting member, and means engaging said socket and engaging said supporting member adjacent said opening and affording a rotatable mounting for said socket on said supporting member, said means comprising a band member surrounding said socket and engaging said supporting member.

1,513,394. RIBBON VIBRATOR FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Aug. 29, 1921. Serial No. 496,341. 11 Claims. (Cl. 197-159.)

1. A typewriter having frame parts foldable relative to one another, a ribbon vibrator foldably mounted on

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one of said parts and normally positioned in the path of folding of the other of said parts, and means controlled



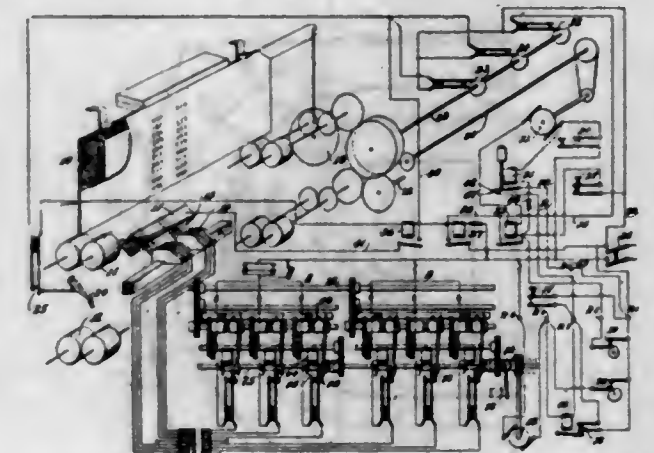
by said frame parts for moving said vibrator in operating position when said frame parts are moved into operating position relative to one another.

1,513,395. ATTACHMENT FOR BAGS. HARRY W. HOLMES, Rahway, N. J., assignor to The Regina Corporation, Rahway, N. J., a Corporation of New Jersey. Filed May 16, 1923. Serial No. 639,268. 3 Claims. (Cl. 150-1.)



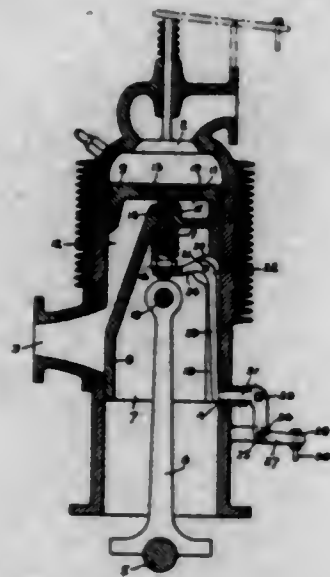
3. An attachment for automatically spreading the mouth of a bag, comprising a pair of complementary flat springs pivotally connected with each other at opposite ends and each having an inherent elasticity tending, at all times, to systematically bow each of said springs outwardly in opposite directions away from each other on said pivots.

1,513,396. TABULATING MACHINE. LAWRENCE ERVIN HUBBARD, Toronto, Ontario, Canada, assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed May 10, 1922. Serial No. 559,728. 6 Claims. (Cl. 235-92.)



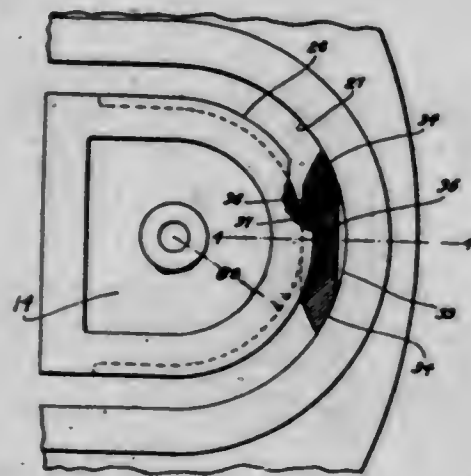
1. An attachment for a tabulating machine having the usual counters and means for driving and resetting the same, said attachment comprising in combination, means for interrupting the tabulating operation at the end of a card group, means independent of speed of operation of the tabulating or resetting means for maintaining a dwell in the position of the counters to permit a reading to be taken therefrom of the items received from the preceding tabulation, means for thereafter automatically initiating a new tabulating operation upon a new card group.

1,513,397. INTERNAL-COMBUSTION ENGINE. ARTHUR MILROX IRISH, Royston Station, British Columbia, Canada. Filed May 4, 1923. Serial No. 636,734. 4 Claims. (Cl. 123-47.)



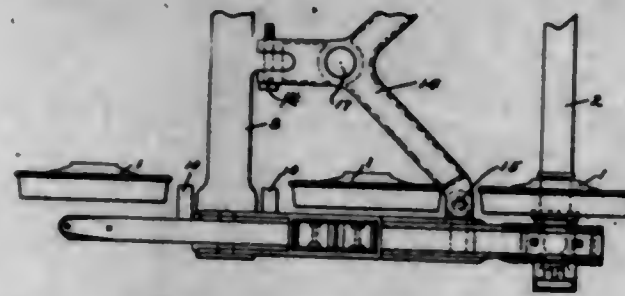
2. In an internal combustion engine, the combination with the cylinder of the engine having a port in its side wall, and a piston within the cylinder having a valve chamber formed within the piston and communicating with said exhaust port and having a longitudinally slotted opening formed in the piston wall, a bell crank pivotally mounted within the slotted opening so that one arm of the bell crank extends longitudinally of the opening and having the other arm extending horizontally to operate the controlling valve of the aforesaid duct, inwardly depressible means bearing against the long arm of the bell crank, and means for automatically operating the depressible means at pre-determined intervals.

1,513,398. BRAIDING MACHINE. JOHN P. KING, Providence, R. I., assignor, by direct and mesne assignments, to Ideal Braiding Machine Company, a Corporation of Rhode Island. Filed Jan. 27, 1922, Serial No. 532,203. Renewed Jan. 6, 1923. 9 Claims. (Cl. 96-8.)



1. In a braiding machine, the combination with a track plate having a raceway, said raceway having a fixed quill, of a bobbin-carrier provided with a shoe having a web slidable in said raceway, said web being grooved in its inner face only to receive and conform to the contour of the curved portion of the bearing edge of the raceway quill.

1,513,399. SIX-WHEEL TRUCK. WILLIAM J. KNOX, Dubois, Pa. Filed June 26, 1922. Serial No. 570,974. 16 Claims. (Cl. 105-195.)



1. In an articulated truck, side frames carried by one truck, a transom carried by said side frames, members carried by said transom and the other truck, and a transom pivotally connected to said members and to said first-mentioned transom.

1,513,400. FISHHOOK. MATT WILLIAM KOSKI, Cosmopolis, Wash. Filed Nov. 16, 1922. Serial No. 601,288. 5 Claims. (Cl. 43-27.)



1. A fish hook having a bend broadened transversely of the general plane of the hook.

1,513,401. SHADE-ROLLER FIXTURE. HOMER KRICK, Fort Wayne, Ind., assignor of one-half to Charles A. Rastetter, Fort Wayne, Ind. Filed Oct. 16, 1922. Serial No. 594,768. 2 Claims. (Cl. 156-23.)

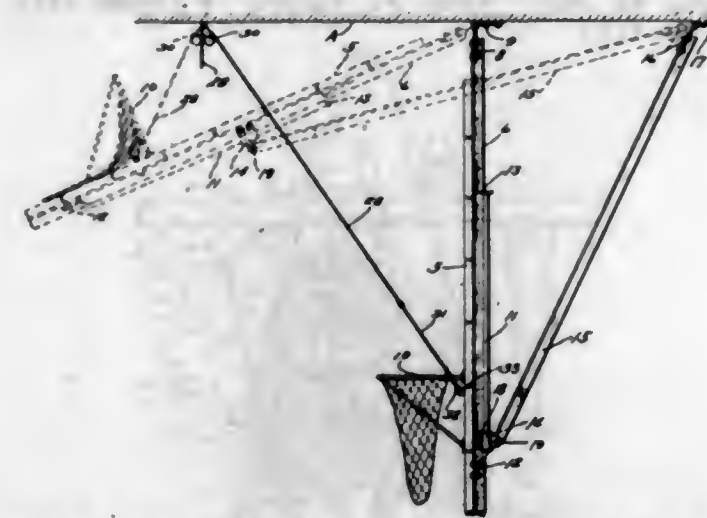


1. A shade roller fixture comprising a pair of holders, each having an intumed claw at one end and an outturned ear at its opposite end and also a pair of oppositely disposed flanges, there being a series of depressions in one of said flanges; a bracket for each of said holders, each bracket having a bifurcated base with a lug on one of its edges adapted to engage in said depressions and hold said bracket in adjusted positions in the holder; and a tension means including a rod and nipple threaded on one end of the rod, the opposite of said rod being shaped with a series of shoulders, the ear of one of said holders being formed for engagement by the nipple, and the ear of the other holder being formed so as to receive and engage said shoulders selectively.

1,513,402. ADJUSTABLE BASKET-BALL BACKSTOP. EDWARD LA BELLE and RALPH C. TAPP, Minneapolis, Minn. Filed Feb. 4, 1924. Serial No. 690,407. 6 Claims. (Cl. 46-59.)

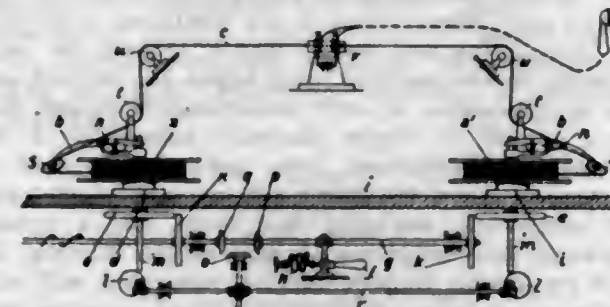
1. An adjustable basket ball back stop comprising a board-equipped frame hinged to a ceiling or overhead support and suspended herefrom, guides on the back of

said back stop, heads slidable on said guides, and anchor bars hinged to said ceiling or overhead support at their upper ends at points at the rear of said back stop



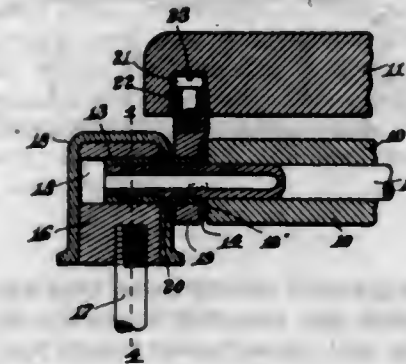
and at their lower ends pivotally connected to said sliding heads, said heads being slidable on said guides to permit said back stop to be swung upward to an inoperative position.

1,513,403. MAGNETIC PHONOGRAPH. MARTIN LEBEIS, Berlin-Friedenau, Germany, assignor to Telephon-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Filed June 3, 1922. Serial No. 565,769. 4 Claims. (Cl. 242-54.)



1. In combination with the sound recording device of a magnetic phonograph, two stationary reels adapted to carry the record wire, each of said reels having a revolvably mounted winding arm associated therewith and adjacent thereto, means for guiding the record wire over the said winding arms, and means for independently positively actuating either of said winding arms, whereby one of said winding arms is positively revolved to wind the wire upon its adjacent stationary reel and the other arm is free to revolve to permit the unwinding of the wire from its adjacent stationary reel.

1,513,404. HINGE CONNECTION FOR WATER-CLOSET HOPPERS. FREELAND D. LESLIE, Milton, Mass. Filed Dec. 7, 1923. Serial No. 679,255. 13 Claims. (Cl. 4-231.)



1. The combination of a seat; a hinge pin extending therethrough with its ends projecting beyond the side walls of said seat; supports on opposite sides of said

seat having cylindrical holes therethrough to receive the projecting ends of the hinge pin; and a vertical shank extending downwardly from the bottom of each support and offset laterally from the center thereof.

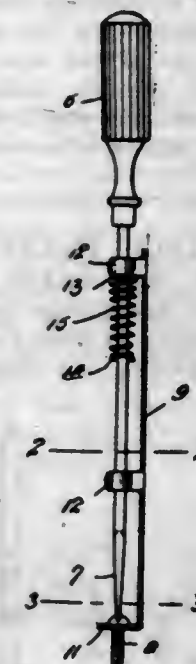
1,513,405. ARMATURE CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES AND PROCESS OF PRODUCING THE SAME. ALBION D. T. LIBBY, East Orange, N. J., assignor to Splittorf Electrical Company, Newark, N. J. Filed Oct. 30, 1920. Serial No. 420,781. 5 Claims. (Cl. 171-206.)



1. An armature for an electric motor or dynamo, having a magnetic element with conductors disposed in a continuous winding about the periphery thereof, said conductors having their end turns openly spaced apart about the axis of said armature and affording bearing surfaces for brushes to convey current to and from said armature winding and a supporting ring of hard infusible insulating material moulded around and in between the extreme ends of said conductors beyond the brush track.

3. The process of constructing an armature which consists in taking a core of magnetic material, placing conductors thereon and spacing apart the end turns of said conductors, inserting slugs between the conductors at the core ends thereof, locking said slugs in place whereby the end turns may be maintained in spaced relationship, then moulding an insulating material in and around the conductors at their extreme ends and finally turning a surface on the conductor ends for the operation of brushes thereon.

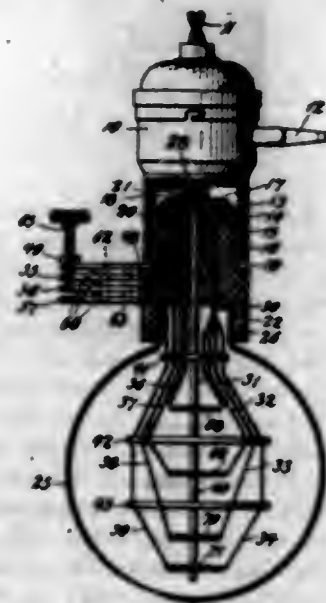
1,513,406. SCREW-HOLDING ATTACHMENT FOR SCREW DRIVERS. SEWELL M. LIPSCOMB, Houston, Tex. Filed Sept. 28, 1923. Serial No. 665,305. 1 Claim. (Cl. 145-52.)



In combination with a screw driver having a stop member mounted upon its shaft and a spring coiled around the shaft and bearing at one end against the stop member, a screw holder attachment comprising a strip having at its edges angularly disposed resilient tongues, the said tongues being arranged in pairs, the members of the pairs being located opposite each other and at the opposite side edges of the strip, the pairs of tongues being spaced from each other, the tongues adapted to

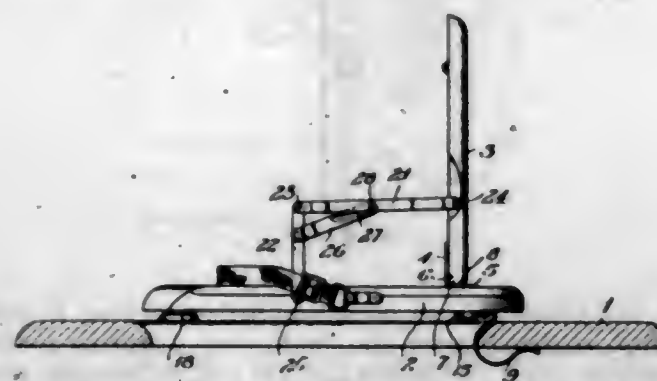
frictionally receive the shaft between them whereby the spring and the stop member is disposed in the space between the pairs of tongues, the strips being provided at its end with a pair of spaced legs which are disposed at a right angle to the plane of the strips and which extend transversely across the end edge of the shaft of the screw driver when the attachment is applied to the said shaft.

1,513,407. INCANDESCENT LAMP. ARTHUR LASSLOW LOMAS, New York, N. Y. Filed Mar. 25, 1921. Serial No. 455,623. 2 Claims. (Cl. 176-27.)



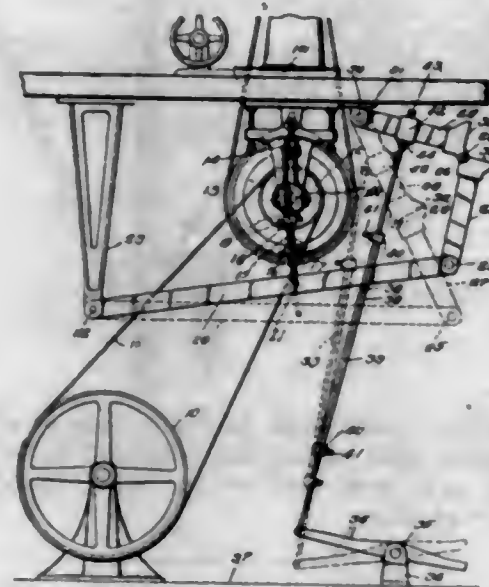
1. The combination in an electric lamp of an electric bulb, a base for said bulb, a metallic shell for the base, a main leading-in wire in said base and electrically insulated from its shell, a plurality of branch leading-in wires extending from said main leading-in wire and extending into the bulb of the lamp, a switch bar in electric circuit with the shell of the base, a plurality of other switch bars adjacent to the first switch bar and normally electrically insulated therefrom and from each other, a branch leading-in wire extending from each of said switch bars and extending into the bulb of the lamp, a filament connecting each one of the latter branch leading-in wires with one of the other branch leading-in wires and a screw of electric conducting material in threaded engagement with the first switch bar and adapted to make contact with the other switch bars.

1,513,408. DETACHABLE TOILET SEAT FOR INFANTS. HARRY E. McCANDLESS, Rochester, N. Y., assignor to Kennedy-McCandless Corporation, Rochester, N. Y., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,452. 13 Claims. (Cl. 4-239.)



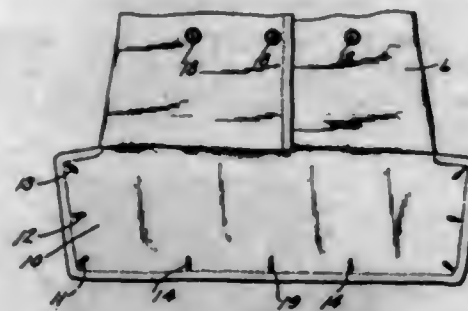
1. In an infant's toilet seat, the combination with a seat portion and a cover portion, of a clamping member movably arranged on the seat portion, and means automatically controlled by the cover portion for actuating the clamping member.

1,513,409. CONTROL MECHANISM. JOHN R. MASON, Chicago, Ill., assignor to The Moses-Rosenthal Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1921. Serial No. 522,301. 4 Claims. (Cl. 192-114.)



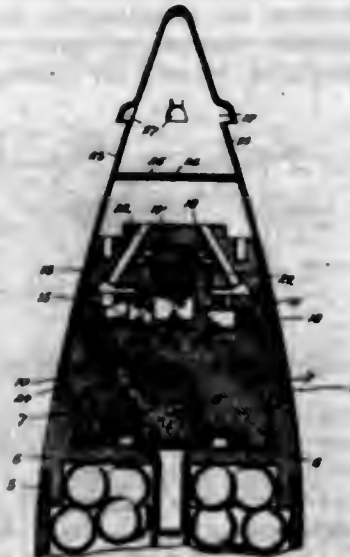
1. The combination of a driving element, a driven element, means transmitting power from said driving element to said driven element and involving a movable member controlling the drive, means tending to move said member to one position, and means for moving said member in opposition to said second-named means comprising a treadle, a toggle pivotally supported at one end, a pivotally supported lever connected beyond its pivotal support with the outer end of said toggle, said member operatively engaging said lever, and a connection between said treadle and said toggle between the points of its pivotal support and its connection with said lever, said toggle being so constructed and arranged that when actuated to extended condition it remains in such condition until force is reversely applied thereto.

1,513,410. CHILD'S OVERGARMENT. LEAH G. MILKINS, Minneapolis, Minn., assignor to Venus Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 10, 1923. Serial No. 618,298. 3 Claims. (Cl. 2-75.)



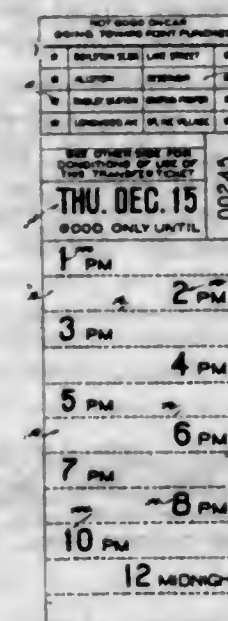
1. A child's garment having front flaps and a centrally located extension flap extended downward from the back of the garment and turned upward over the lapped front flaps, said extension flap having a transverse length greater than the width of said garment, the ends of said extension flap and the back of the garment being provided with cooperating separable fastening elements.

1,513,411. ART OF CONTROLLING TIME POWDER TRAINS. ALLEN S. MILLER, Baltimore, Md. Filed Jan. 9, 1924. Serial No. 685,229. 4 Claims. (Cl. 102-36.)



4. The combination with a fuse having a time powder train designed to evolve powder gases at a uniform quantity rate, of a constant area throttling orifice controlling the discharge of gases evolved by said train, and dimensioned and arranged to exert a constant back pressure thereon.

1,513,412. TRANSFER TICKET. JOHN H. MORAN, Brookline, Mass. Continuation of application Serial No. 532,213, filed Jan. 27, 1922. This application filed May 16, 1924. Serial No. 713,818. 16 Claims. (Cl. 283-14.)

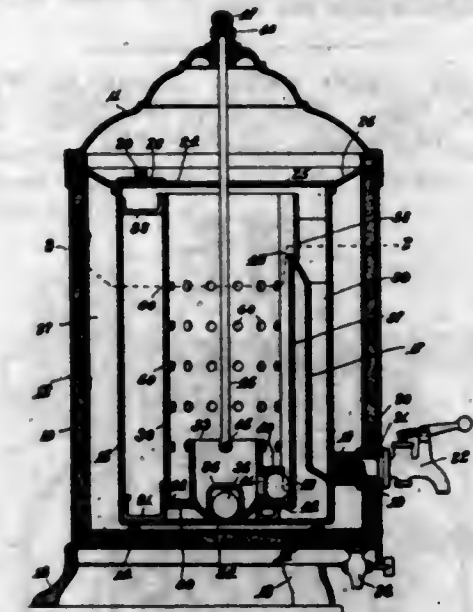


1. A transfer ticket consisting of two portions one of which is provided with indicia designating the car route, or routes, on which the transfer is acceptable and the date of issue, and the other of which comprises a series of adjoining but divisible coupons each bearing a different single, unitary time limit each of which is applicable to all parts of said indicia.

1,513,413. MILK DISPENSER. ALFRED L. MORON, East Boston, Mass. Filed July 12, 1923. Serial No. 651,002. 9 Claims. (Cl. 221-97.)

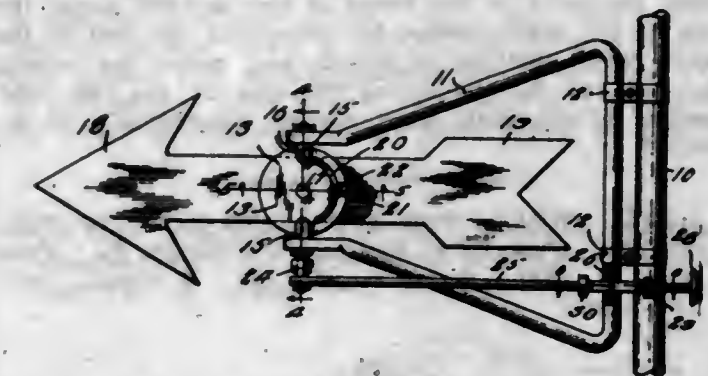
1. The combination of a liquid container having communicating chambers, of which the inner chamber has a delivery port near its upper end communicating with a delivery passage; a faucet at the discharge end of said

delivery passage; a cup-shaped liquid lifter provided with a perforated flange substantially fitting one chamber and having a normally closed inlet valve in the bottom thereof and a discharge valve in a side wall thereof;



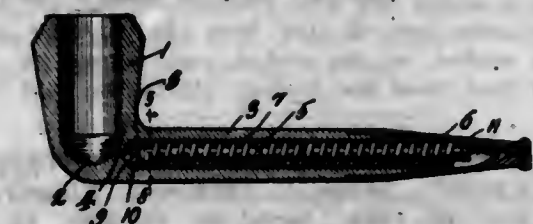
means on the inner chamber for preventing the opening of the discharge valve except when the lifter is at the upper end of said chamber; and means permitting the inlet valve to open during the lowering of the lifter.

1,513,414. VEHICLE SIGNAL. WILLARD R. MOYER, Gadsden, Ala. Filed June 10, 1921. Serial No. 476,520. 1 Claim. (Cl. 116-47.)



A vehicle signal comprising a frame having spaced extremities, means to attach the frame to the side of a vehicle with the spaced extremities extending forwardly, a plate journaled within the frame to rotate upon a vertical axis, an index pivoted between its ends to the plate and adapted to rotate in a horizontal plane, said index also being adapted to rotate in a vertical plane, a crank arm carried by the journaling of the plate, a rod extending from the crank arm rearwardly beyond the limits of the frame, a keeper carried by the frame through which said rod extends, and a longitudinally extending spring mounted on said rod and having bends to engage the keeper.

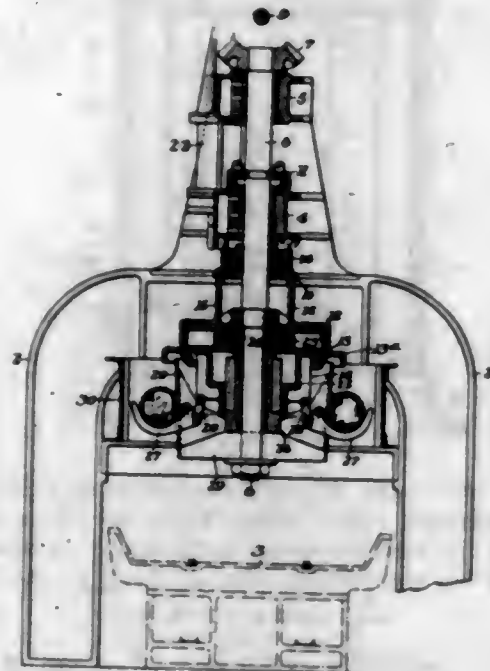
1,513,415. SMOKING PIPE. CHARLES W. NEISWENDER, Bucyrus, Kans. Filed Feb. 19, 1923. Serial No. 620,018. 2 Claims. (Cl. 131-12.)



2. A smoking pipe of the class described including a bowl, a stem integrally extending from the bowl and provided with a bore, said bowl and stem provided with a restricted opening between the interior of the bowl and

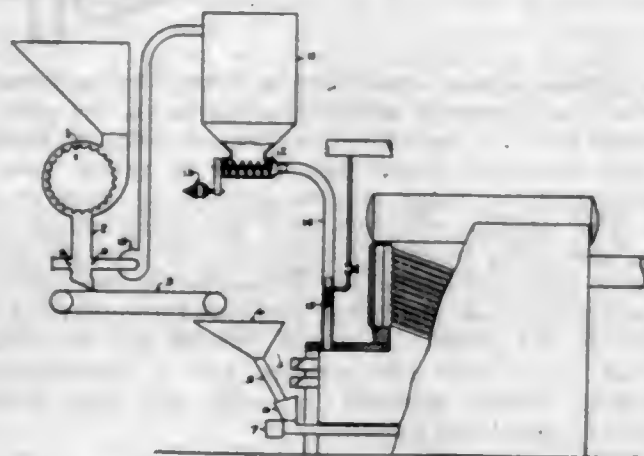
the bore of the stem, a mouthpiece attached to the stem, a tube within the bore of the stem having a restricted opening a spaced distance from the first restricted opening so as to form a pocket, and an elongated passage forming device within the tube.

1,513,416. ROD REEL. FRANK H. NULLMEYER, Struthers, Ohio. Filed July 13, 1923. Serial No. 651,368. 10 Claims. (Cl. 242-81.)



1. A rod reeling device, having a frame, a vertical shaft journaled in the frame, a reel movable along the axis of the shaft, means for connecting the reel to the shaft, when the reel is raised, and means for raising the reel and for supporting the load on the reel independent of the shaft when reeling, substantially as described.

1,513,417. MEANS FOR SUPPLYING FUEL TO FURNACES. THOMAS A. PEEBLES, Pittsburgh, Pa. Filed Nov. 19, 1921. Serial No. 516,381. 3 Claims. (Cl. 110-101.)

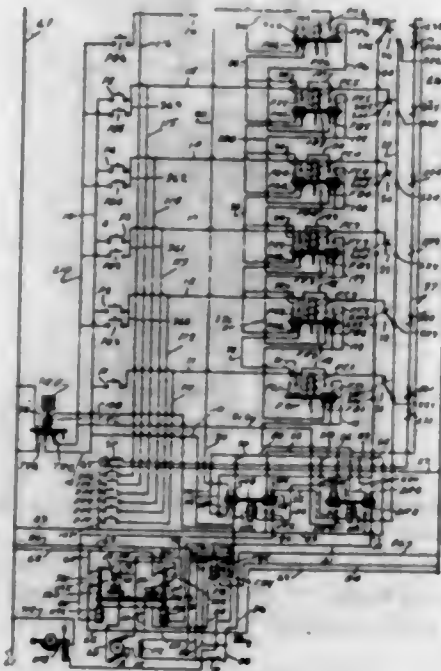


3. In a plant for generating steam, the combination of means for segregating pulverized coal or dust from lumps, a storage bin for the reception of coal dust, a furnace, a stoker for said furnace, means for conducting the lumps free of dust from the crushing and segregating means to the stoker and means for feeding the coal dust from the storage bin to the said furnace.

1,513,418. AUTOMATIC ELECTRIC CONTROL FOR ELEVATORS. PETER I. PETERSON, Willmar, Minn. Filed Apr. 16, 1923. Serial No. 632,418. 13 Claims. (Cl. 187-29.)

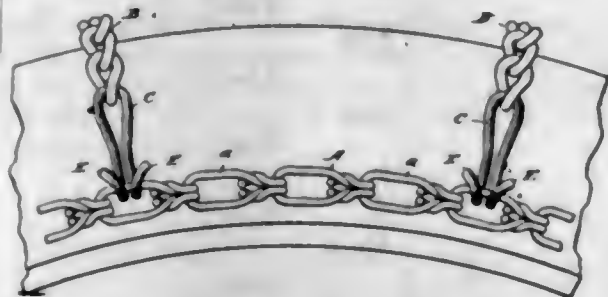
7. An elevator control comprising an up motor switch, a down motor switch, an up relay for actuating said up switch, a down relay for actuating said down switch, a

circuit for feeding said up relay, a circuit for feeding said down relay, a plurality of normally open circuits for feeding either of said up and down relay circuits, floor selectors for connecting said normally open circuits with either of said up and down relay feeding circuits, push buttons for momentarily closing said normally open circuits, relays in said normally open circuits, a maintaining circuit for feeding said relays,



a plurality of shunt circuits, shunting said push buttons connecting said normally open relays with said maintaining circuits, a plurality of normally open contacts positioned on respective relays, located in said shunt circuits and a plurality of normally closed contacts positioned on each of said respective relays and located in said maintaining circuit between the various points of connection of said shunt circuits thereto.

1,513,419. CROSS-CHAIN CONNECTOR FOR ANTI-SKID DEVICES. CHARLES M. POWER, Pittsburgh, Pa., assignor to United States Chain & Forging Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 3, 1921. Serial No. 519,646. 2 Claims. (Cl. 24-237.)

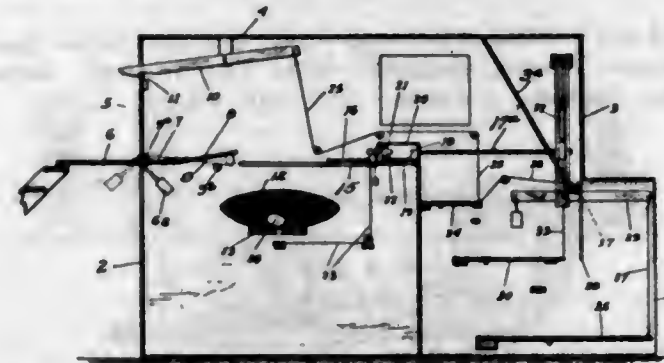


1. A hook link for the attachment of cross chains to the side chains of anti-skid devices, having at one end an opening in the body portion for the attachment of the cross chain and at the other end plural hooks formed by divergent spirals each extending upwardly from the body and having their terminals spaced on opposite sides of the body to form two spiral divergent hook entrance openings at opposite sides of the link body through which the side chain link may be successively passed.

1,513,420. AUTOMATIC TRAP-NEST REGISTER. THOMAS PRESCOTT, Stockton, Calif. Filed Oct. 22, 1923. Serial No. 670,007. 11 Claims. (Cl. 119-48.)

8. A device as described including an enclosure having entrance and exit openings, a nest mounted in the enclosure intermediate said openings, means for causing an egg laid in the nest to roll clear of the same

after the hen has risen, a pair of spaced spools mounted in the enclosure beyond the nest, a roll of paper wound on said spools and extending therebetween, means whereby the egg and the hen will both cause marks to be made on the paper, a platform on which the hen



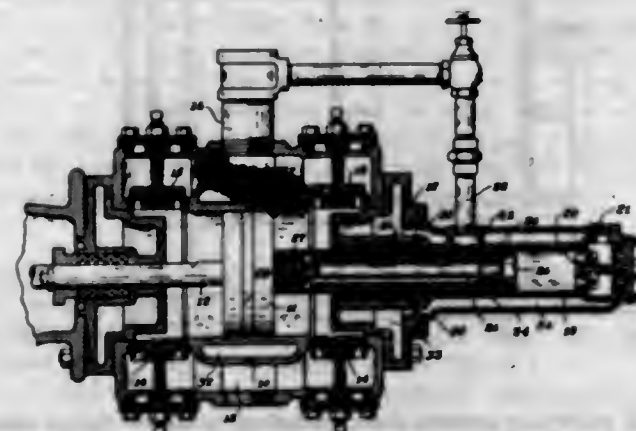
must step after passing beyond the paper, and means between said platform and one of the spools and actuated by the weight of the hen on the platform for causing the spool to be rotated sufficiently to insure a fresh surface of the paper being exposed between the spools for subsequent registration marks.

1,513,421. GOVERNOR ATTACHMENT. HENRY QUENSEL, Towanda, Ill. Filed Mar. 21, 1921. Serial No. 454,256. 9 Claims. (Cl. 264-2.)



1. In a controlling device for auto tractors, the combination of a support having a central horizontal bearing portion, a horizontal shelf at one end of said bearing portion, and an upright bearing portion at the opposite end of said horizontal bearing portion, a shaft journaled in said horizontally extending bearing portion between said shelf and said upright bearing portion, a magneto supported by the shelf and having its shaft in driven connection with the adjacent end of the horizontally extending shaft, an engine driven shaft arranged at right angles to said horizontally extending shaft and in gear therewith, an upright shaft journaled in the upright bearing portion of the support and in gear with said longitudinally extending shaft, and a governor supported and actuated by said upright shaft.

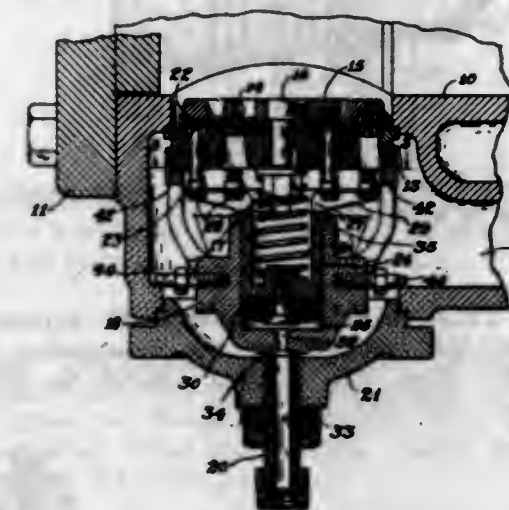
1,513,422. COMPRESSOR. WARD RAYMOND, Easton, Pa., assignor to Pennsylvania Pump & Compressor Co., Easton, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1923. Serial No. 622,217. 3 Claims. (Cl. 230-27.)



1. A compressor comprising in combination, a main cylinder having a piston therein, an auxiliary cylinder attached thereto, a cylinder head for said main cylinder

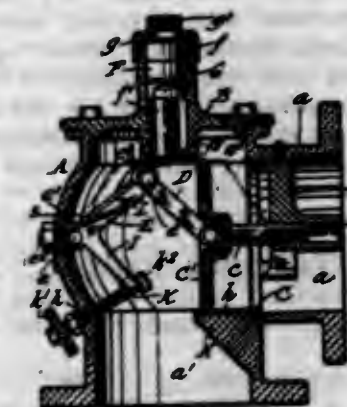
having an axial opening therethrough, said auxiliary cylinder being attached to said cylinder head and extending into its opening, a trunk piston in said auxiliary cylinder, and means connecting said pistons whereby they may be operated by common driving means.

1,513,423. UNLOADER VALVE. WARD RAYMOND, Easton, Pa., assignor to Pennsylvania Pump & Compressor Co., Easton, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1923. Serial No. 664,943. 4 Claims. (Cl. 251-144.)



1. An unloading device for compressors comprising in combination, a valve body adapted to be inserted in the compressor, a valve therein actuated during operation of the compressor, a yoke for supporting said valve body in position, a cylinder formed within said yoke, a piston movable therein, means to receive fluid pressure to move said piston, and means engaging the compressor walls to prevent separation of said valve body and yoke while the above mentioned parts are being placed in position.

1,513,424. UNLOADER VALVE. GEORGE M. RICHARDS, Chestnut Hill, Pa. Filed July 14, 1920. Serial No. 396,179. 12 Claims. (Cl. 137-139.)

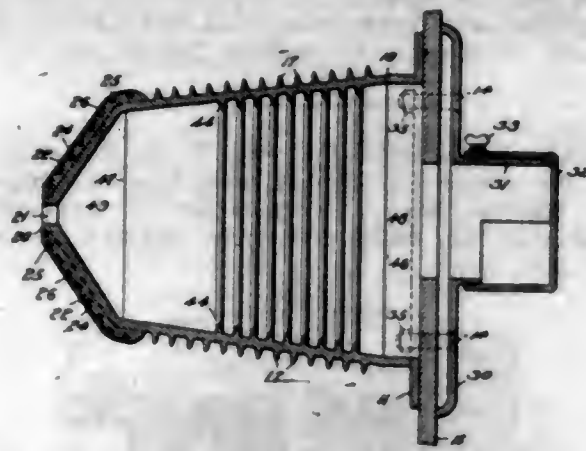


1. The combination of a valve housing having a valve seat, a valve in said housing and adapted to cooperate with said seat, a pair of toggle links connected with said valve and said housing, a cylinder on said housing, a plunger in said cylinder, and a cam interposed between said toggle links and said plunger whereby said plunger may move said valve toward its seat.

1,513,425. AIR-HEATING ATTACHMENT FOR FURNACES. DAVID WENTWORTH ROBB, Amherst, Nova Scotia, Canada. Filed May 15, 1922. Serial No. 561,252. 9 Claims. (Cl. 110-75.)

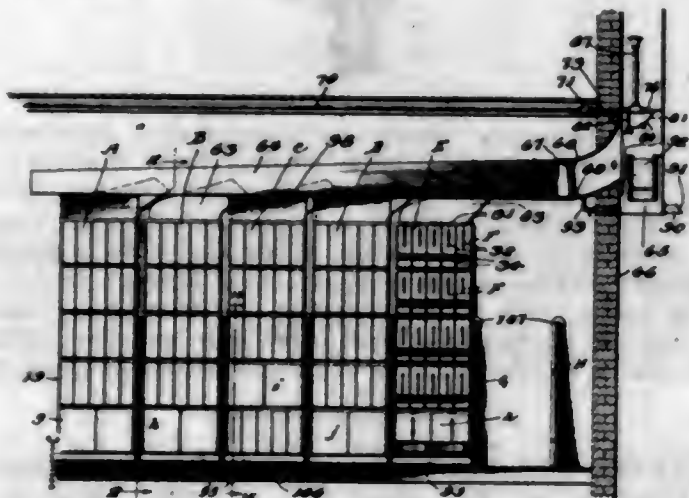
1. In a device of the character described, a hollow member having a large entrance opening and a slot-like

exit opening, and a septum within said member spaced from either end to provide a plurality of passageways



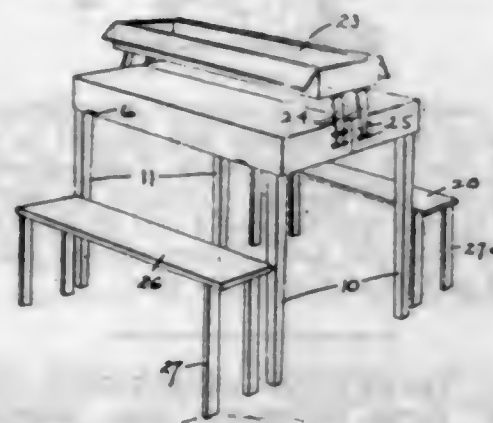
between said openings, each of said passageways being ribbed so as to form eddy currents.

1,513,426. FILM CABINET. EDWARD W. SALMON, JR., Baltimore, Md., assignor to Leo Fesenmeier, Baltimore, Md. Filed Aug. 3, 1922. Serial No. 579,451. 25 Claims. (Cl. 109-2.)



1. In a device of the character described, a plurality of cabinets arranged side by side, each cabinet having a compartment provided with a valved outlet, an exhaust chamber arranged adjacent each cabinet and having communication with the compartments of the respective cabinets, a duct arranged above the cabinets and with which the exhaust chambers of the various cabinets communicate, and a flue with which said duct communicates.

1,513,427. CONVERTIBLE UTENSIL. GUSTAF SANDBERG, San Francisco, Calif. Filed May 11, 1921. Serial No. 468,616. 4 Claims. (Cl. 190-11.)



1. A convertible structure comprising a two section carrying case, the sections of which are adapted to be aligned to form a table, a bar slidable in each section

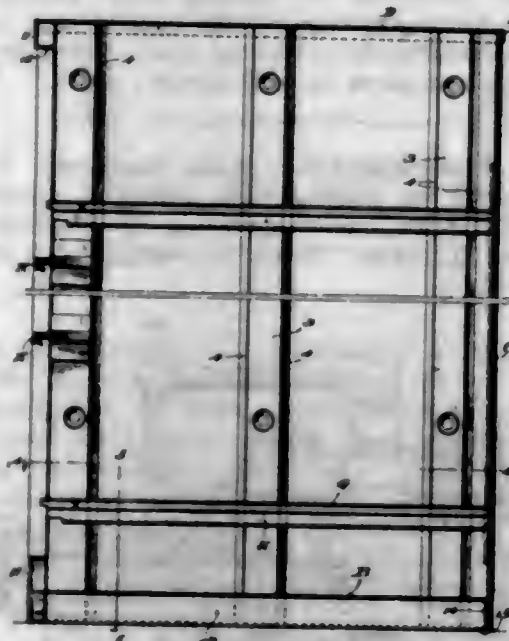
adjacent the corner thereof, a leg pivoted in each section adjacent the opposite corner thereof, a leg pivoted on each slide bar, and means for securing the legs when extended in their respective corners.

1,513,428. TOBACCO PIPE. JOEL SASIENT, Stoke Newington, London, England. Filed July 7, 1924. Serial No. 724,690. 1 Claim. (Cl. 131-12.)



A tobacco pipe, consisting of a part having a stem formed with a long cylindrical cavity, in combination with a mouthpiece consisting of a body and an extension passing through said cavity and having its exterior faces fully exposed to the walls of said cavity and formed with an enlarged free end portion, an enlarged portion adjacent to said body, short portions of smaller cross-sectional size extending toward each other from the opposed faces of said enlarged portions, and a medial neck of greatly reduced diameter connecting said short portions, the ends of which constitute abrupt end shoulders for said neck, the said body, extension and enlarged portions of the latter being formed with bores forming communication through the upper part of said cavity with the atmosphere, whereby any globules of tobacco oil and moisture on said extension will move thereon to the neck thereof and drop therefrom to the bottom of the cavity and the smoke will be drawn into the upper part of said cavity and from the upper part of said cavity.

1,513,429. SIDE-WALL CONSTRUCTION FOR FILING CABINETS. FRED A. SCHMITZ, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed May 25, 1921. Serial No. 472,541. 3 Claims. (Cl. 45-2.)



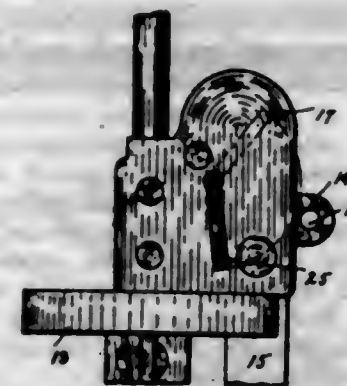
1. A cabinet construction including a sheet metal side wall having vertically disposed pressed-in channel portions arranged at spaced intervals, and combined reinforcing and drawer guide members paralleling the side wall and secured to the inner faces of said channels.

1,513,430. AUTOMOTIVE CHASSIS EFFICIENCY-TESTING DYNAMOMETER. CARL F. SCOTT, Yonkers, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 21, 1922. Serial No. 555,920. 4 Claims. (Cl. 73-51.)



1. A dynamometer for testing the efficiency of the power transmitting elements of an automotive vehicle, comprising an electric motor for driving the said transmitting element, means for connecting the rotating element of said motor to drive the transmitting element of the vehicle, rotatable means on which the wheels of the vehicle are adapted to rest to form a driving connection therewith, means connected to the said rotatable means to measure the reactive torque, means connected to the vehicle to measure the forward thrust of the vehicle, and means for measuring the power output of the said motor.

1,513,431. SWITCH-STAND LOCK. LARKIN RICHARD SHAFER, Garland, Utah. Filed June 2, 1924. Serial No. 717,860. 6 Claims. (Cl. 246-413.)

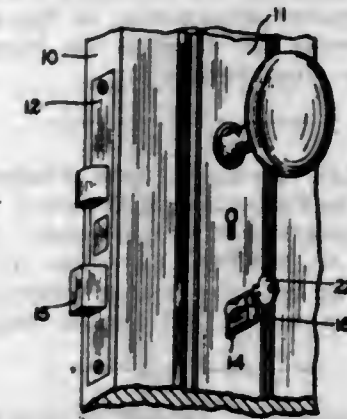


1. In a switch stand lock, the combination of a casing, an abutment within the casing, a lever adapted to normally occupy a depending position, a crank journaled in the casing, a ring member carried by the crank and interposed between the abutment and lever when the latter is in normal position, and an arm on the crank on the exterior of the casing for rotating said crank about its axis to remove the ring from between the abutment and lever.

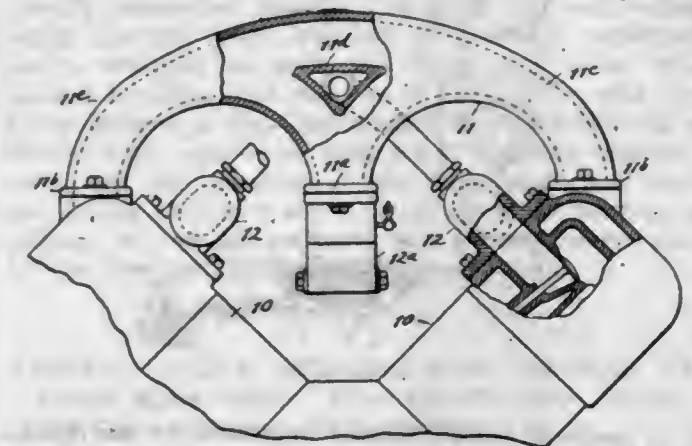
1,513,432. SHUT-OUT DEVICE AND THE LIKE. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Filed Jan. 10, 1921. Serial No. 436,219. 6 Claims. (Cl. 70-8.)

1. A shut-out device for the purpose described, comprising a pin tumbler lock having a casing provided with pin tumblers, and a rotatable key barrel member operable by a key, a rearwardly extending lug integral with said casing, said key barrel member extending rearwardly without said casing above said lug in close proximity

thereto, a separate member above the lug in alignment with the key barrel member and connected thereto whereby said separate member is rotatable thereby, said separate member being provided with a wing portion adapted to enter a keyhole in a lock case and be rotated therein to a locked position.

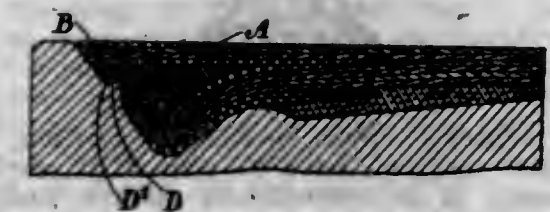


1,513,433. INTERNAL-COMBUSTION ENGINE. EARL H. SHERBONDY, New York, N. Y., assignor to The Peerless Motor Car Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 8, 1918. Serial No. 221,213. 5 Claims. (Cl. 123-52.)



1. A manifold for an internal combustion engine having two sets of cylinders, said manifold having two opposite outlet arms and an intermediate inlet portion, the top wall of the manifold having a convex curvature from the end of one arm to the end of the other, and the bottom of the manifold having two concave curvatures extending from the inlet to the ends of the arms, and the body of the manifold above the inlet having a transverse member with two walls conforming to the concave curves of the bottom to form therewith a pair of diverging passageways each leading to one of the arms.

1,513,434. MANUFACTURE OF TIRES. THOMAS SLOPER, Devizes, England. Filed Aug. 8, 1922. Serial No. 580,434. 2 Claims. (Cl. 154-14.)



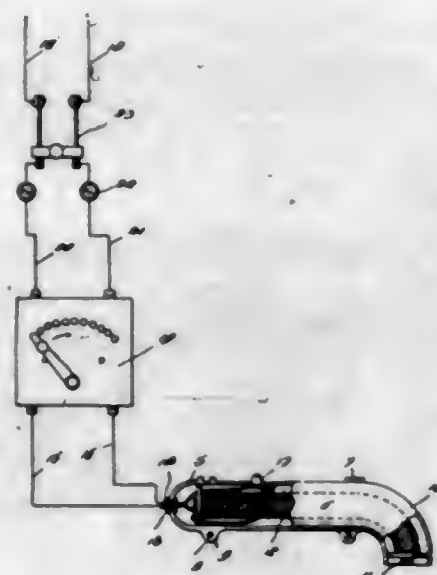
1. A process for the manufacture of pneumatic tire covers having inextensible rings which consists of the following steps: (a) building into each edge portion of the tire-band whilst it is in the flat form, a removable core to fill the required channel, composed of a ductile material which is such that the circumferential dimensions of the core can be changed and the core deformed,

the channel being only provisionally closed along one side so that it can be afterwards opened to remove the core; (b) removing the said core after vulcanization on the mould; (c) substituting therefor an inextensible ring which is to remain permanently in the tire; and (d) permanently closing the sides of the channel to retain the inextensible ring therein.

1,513,435. MOLD. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,766. 6 Claims. (Cl. 22-136.)

1. A permanent mold for casting comprising a vitrified mixture of silicon carbide and ceramic binder.

1,513,436. MAGNETIC WORK-HANDLING IMPLEMENT. GORTHOLO E. VOLZ, Detroit, Mich. Filed Dec. 14, 1923. Serial No. 680,777. 5 Claims. (Cl. 175-367.)



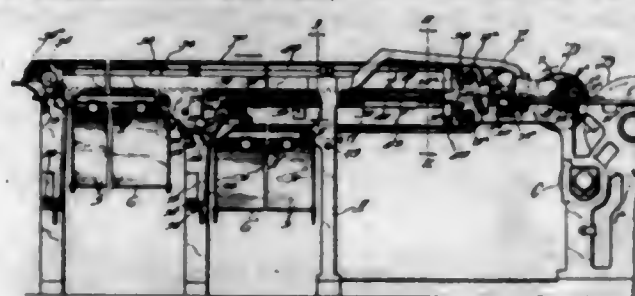
1. A magnetic work handling implement of the character described comprising a tubular casing having a down-turned end portion, the free end of which is open, an electro-magnet arranged within and substantially conforming to the shape of said casing and comprising a coil provided with a soft metal core exposed at one end to the open end of the down-turned end portion of the casing, means for facilitating energizing of said magnet, and means to control energization of said magnet.

1,513,437. ELECTRICAL SWITCH. LEE J. VOORHEES, Binghamton, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Feb. 6, 1920. Serial No. 356,661. 6 Claims. (Cl. 200-60.)



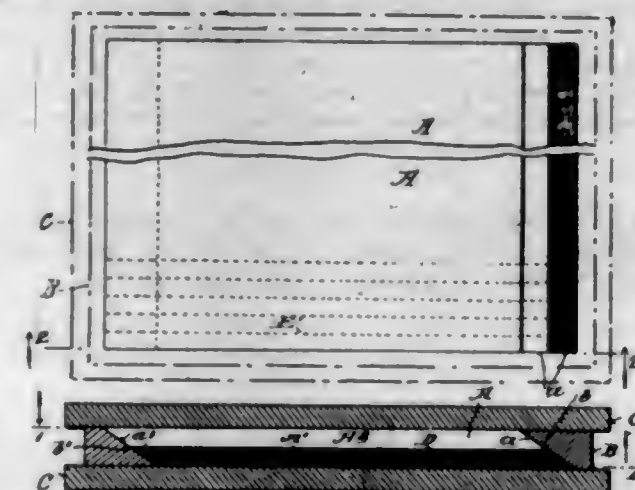
1. An adjustable switch mechanism comprising a contact, a fixed conductor below the plane of all portions of said contact, in an intermittently operable position of said switch, means for reciprocating the contact along a path which intersects the fixed conductor, means for positively depressing the contact and holding the same in engagement with the fixed conductor in a closed circuit position, and means for revolving the contact about an axis substantially parallel to its path of reciprocation to a position beyond the limits of the fixed conductor, wherein closing of the circuit is prevented.

1,513,438. PRINTING PRESS. WALLACE S. WARNOCK, Chicago, Ill. Filed Nov. 6, 1920. Serial No. 422,249. 25 Claims. (Cl. 271-64.)



1. In mechanism of the character set forth, the combination with a plurality of endless conveyors of different lengths, each conveyor being equipped with gripper devices and having its upper side travelling rearwardly and carrying the sheets rearwardly thereon, of means for feeding sheets of paper automatically to said conveyors in alternation, and means for tripping the gripper devices after the sheets have been carried to the under sides of the conveyors.

1,513,439. METHOD OF MAKING ERASERS. CHARLES EDWARD WICKERS, Passaic, N. J. Filed May 31, 1923. Serial No. 642,512. 3 Claims. (Cl. 18-55.)



3. The method of making erasers comprising ink and pencil compound consisting in superimposing layers of uncured ink and pencil rubber compound to produce a sheet, providing opposite sides of such sheet with beveled edges on substantially corresponding planes, vulcanizing the sheets together, cutting the sheet crosswise through the ink and pencil compound between said beveled edges to produce strips having beveled ends, and cutting said strips transversely parallel to said beveled edges, providing erasers having beveled ends.

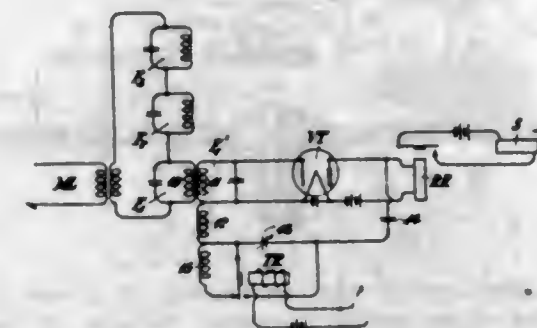
1,513,440. TABLE ATTACHMENT FOR BATHTUBS. LANDIS H. WIAT, South Bend, Ind. Filed Apr. 12, 1924. Serial No. 706,043. 3 Claims. (Cl. 4-175.)



1. The combination with a wash tub disposed adjacent the wall, the outer wall of the wash tub, of a table, means for supporting said table, said means comprising hinged legs mounted by the under side of the

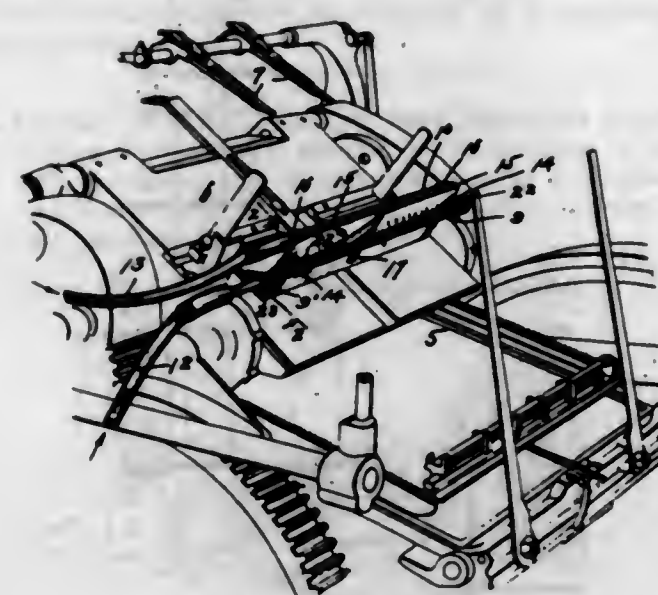
table and supporting one end of the table on the outer side of the wash tub, said legs being foldable against the under side of the table, and outwardly adjustable means carried by one side of the table and cooperating with the wall whereby the table is supported in a horizontal position.

1,513,441. HALF-DUPLEX MORSE CARRIER SYSTEM. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1921. Serial No. 491,532. 7 Claims. (Cl. 178-710.)



1. In a signaling system, a transmission circuit and carrier apparatus associated therewith, said carrier apparatus including a translating device, a signal transmitter and a signal receiver, circuits for said translating device and said signal receiver whereby said device will detect received carrier currents to operate said signal receiver, and means automatically controlled by said signal transmitter for changing the constants of said circuits so that the translating device will generate oscillations to be transmitted to said transmission circuit.

1,513,442. PRINTING-PRESS ATTACHMENT. JONATHAN BOOTHBY, Menomonie, Wis. Filed Aug. 12, 1922. Serial No. 581,456. 2 Claims. (Cl. 34-18.)



1. In a printing press, the combination with a platen, a jogger box having a part forming a partition between the platen and jogger box, and means for carrying printed sheets from the platen to the jogger box, of a heater applied to the partition at one side thereof and arranged to direct heat onto the printed sheets as they are carried thereover, and an air tube secured at the other side of the partition and arranged to blow air directly onto the printed sheets as they are being deposited in the jogger box.

1,513,443. BAILER. ALEXANDER BOYNTON, San Antonio, Tex. Filed May 8, 1922. Serial No. 559,364. 9 Claims. (Cl. 166-19.)



1. A bailer comprising an outer sleeve, an inner sleeve slidably connected thereto, the inner and outer sleeves being provided with openings adapted for registration, means whereby to hold the inner and outer sleeves against rotation with relation to each other, said means being adapted to limit the longitudinal movement of said sleeves with relation to each other, a spring confined between the rear portions of said inner and outer sleeves, and urging the inner sleeve to its advanced position with relation to the outer sleeve, and an inlet valve carried by the forward portion of the inner sleeve.

1,513,444. CABLE RELEASE FOR CAMERAS. ROSS CAREY, Klein, Mont. Filed Jan. 31, 1924. Serial No. 689,733. 3 Claims. (Cl. 95-53.)



1. In a cable release for cameras, the combination with the usual ferrule at the free end of the release and the usual plunger slidable in the ferrule and connected with the wire of the release, of means whereby the ferrule may be secured to a fixed object, means upon the plunger adapted for the connection thereto of one end of a flexible pull element, and means upon the said ferrule for guiding the said pull element.

1,513,445. CLOTHESLINE TIGHTENER. HENRY A. COHRS, Dovray, Minn. Filed June 3, 1922. Serial No. 565,632. 2 Claims. (Cl. 68-3.)

1. A clothesline tightener comprising a cylindrical support, a collar secured thereon, a reel adjacent said collar having spaced circular flanges, the flange remote

from said collar having laterally projecting ratchet teeth thereon, a split collar clamped to said support having a vertically disposed projection, a weighted pawl pivoted



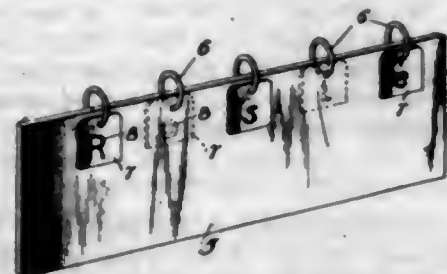
to said projection adapted to engage the said ratchet teeth by gravity, certain of said teeth being equally spaced and projected to form turning means for said reel and adapted to be turned by a spanner wrench.

1,513,446. SIGN FRAME. HOWARD E. CRAFT, Springfield, Mass. Filed Nov. 12, 1923. Serial No. 674,219. 3 Claims. (Cl. 40-125.)



1. A sign of the class described comprising, display members having inwardly extending flanges, the said members being so constructed and arranged that the flanges of one of said members interfit the flanges of the other of said members, and pivotal hinge members for connecting the adjacent interfitting flanges of the said members whereby they may be moved relatively one to the other between open or closed positions.

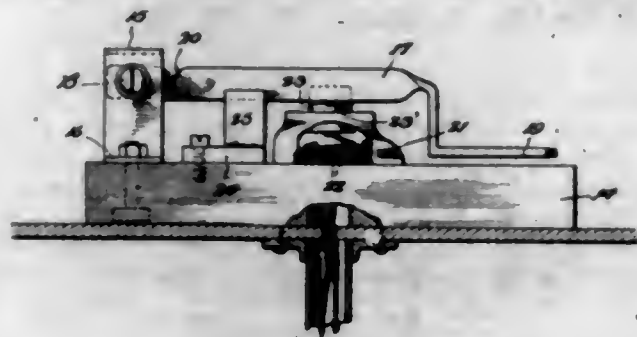
1,513,447. GAME. BRUCE GREEN DE WOLFSON, Allentown, Pa. Filed Jan. 20, 1922. Serial No. 530,691. 3 Claims. (Cl. 46-63.)



1. A game comprising in combination, a plurality of master elements having certain matter presented upon the faces thereof, game cards, a plurality of elements

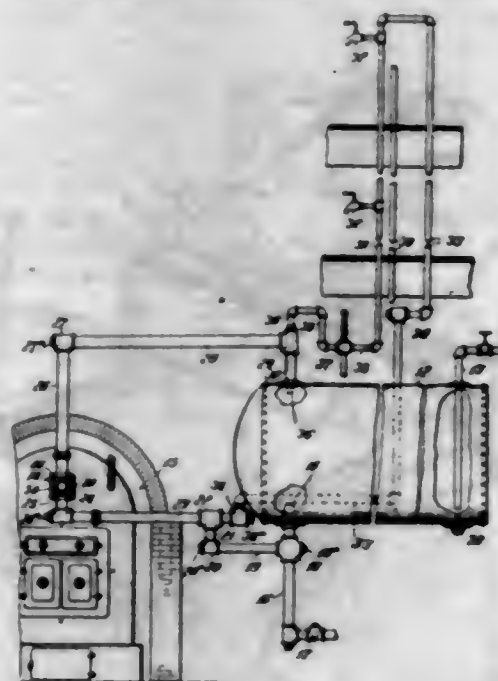
movably connected to said game cards having matter presented upon their opposite faces corresponding to the matter presented on said master elements and a game board having means thereon for individually retaining the master elements as they are called during playing of the game.

1,513,448. ELECTRIC SWITCH. RENÉ F. DU COIN, Camden, N. J. Filed Mar. 31, 1921. Serial No. 457,407. 1 Claim. (Cl. 200-86.)



In an alarm system, the combination of a base, a circuit closing push button mounted thereon, a bracket upstanding from the base, a foot lever pivoted upon said bracket to extend across the push button and movable for depressing the button, the lever being offset to define a foot piece extending in close spaced relation to the base and engageable therewith for limiting the lever when the button is depressed whereby to prevent crushing of the button, and a clutch member upstanding from the base beneath the lever between said bracket and the button and having coacting resilient clutch fingers to receive the lever therebetween frictionally holding the lever when swung to depress the button.

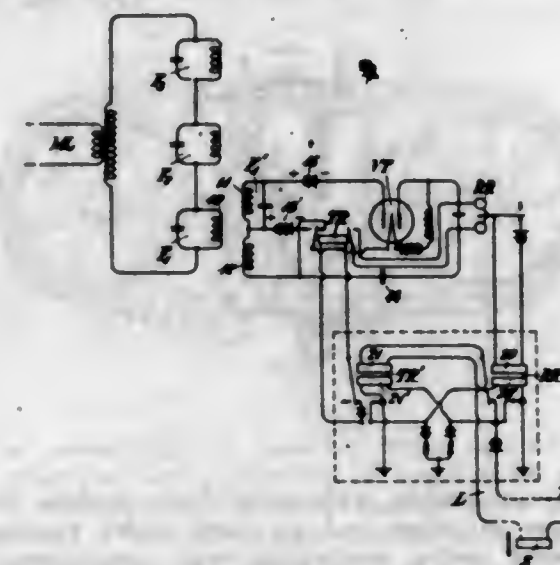
1,513,449. WATER-HEATING APPARATUS. JACOB S. ERICKSEN, Chicago, Ill., assignor to Ferguson and Lange Foundry Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 5, 1922. Serial No. 586,188. 16 Claims. (Cl. 137-79.)



1. In combination with a receptacle containing a heating medium, a water heater positioned in said receptacle in such manner that it is subject to the heating action of said medium, a storage tank, water supply means for said heater, a pipe leading from said heater and arranged so that water flowing therein must discharge into the upper portion of said tank, and a hot water circulating system including a pipe having controlled outlet means, said second-named pipe leading from the upper portion of said tank and having its intake end

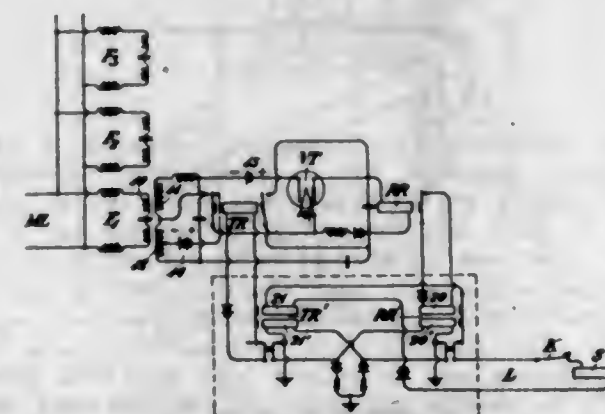
sufficiently remote from the discharge end of said first-named pipe that water flowing into said second-named pipe must be taken from the supply in said tank, and a return pipe leading from the discharge end of said second-named pipe back to said water supply means.

1,513,450. HALF-DUPLEX MORSE CARRIER SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1921. Serial No. 491,500. 11 Claims. (Cl. 178-71.)



1. In a signaling system, a transmission circuit and carrier apparatus associated therewith, said carrier apparatus including a translating device which under certain conditions functions as a detector and under other conditions functions as a generator of oscillations, a subscriber's loop and mechanical repeating apparatus associated therewith, said mechanical repeating apparatus operating when said translating device functions as a detector to repeat the detected signals to the loop, and operating when signals originate in the loop to cause said translating device to function as a generator of oscillations.

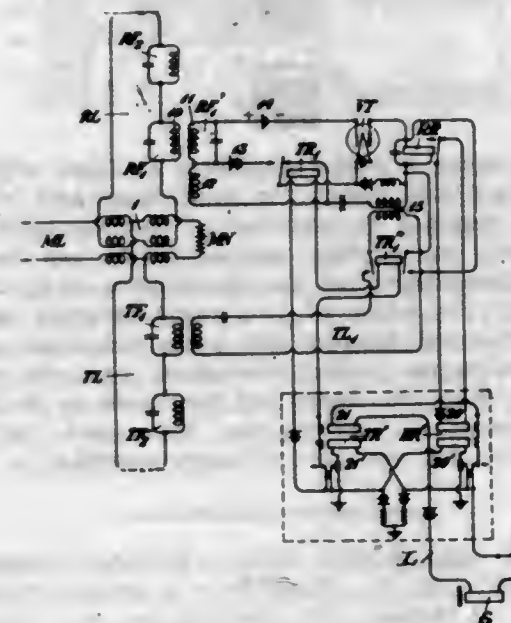
1,513,451. HALF-DUPLEX MORSE CARRIER SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1921. Serial No. 491,510. 7 Claims. (Cl. 178-71.)



1. In a signaling system, a transmission circuit and carrier apparatus associated therewith, said carrier apparatus including a translating device which under certain conditions functions as a reamplifying detector and under other conditions functions as a generator of oscillations, a subscriber's loop circuit, and means associated

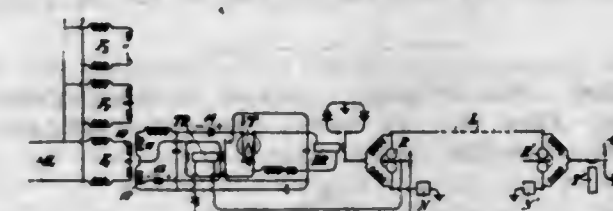
with said subscriber's loop circuit whereby signals detected by said translating device may be repeated to the loop, and whereby said translating device may be switched from its detecting to its oscillating condition, thereby transmitting oscillations to said transmission circuit.

1,513,452. HALF-DUPLEX MORSE CARRIER SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1921. Serial No. 491,511. 6 Claims. (Cl. 178-71.)



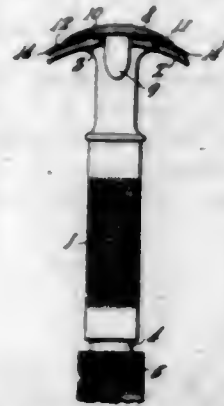
1. In a signaling system, a transmission circuit and carrier apparatus associated therewith, said carrier apparatus including a transmitting circuit and a receiving circuit substantially conjugate with respect to each other, and a vacuum tube associated with said transmitting circuit and said receiving circuit, said vacuum tube functioning under certain conditions as a detector, and under other conditions as a generator of oscillations.

1,513,453. HALF-DUPLEX MORSE CARRIER SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1921. Serial No. 491,512. 4 Claims. (Cl. 178-71.)



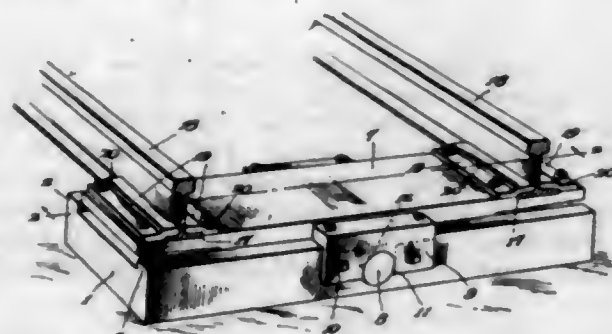
1. In a signaling system, a carrier transmission circuit, a low frequency Morse line extending from a terminal of said carrier circuit to a distant station and a repeating apparatus for associating said carrier transmission circuit and said Morse line, said repeating apparatus including a translating device which under certain conditions functions as a detector to translate carrier signals incoming over the carrier circuit into Morse signals for transmission over the low frequency Morse line, said translating device functioning in response to signals incoming over the Morse line to generate oscillations for transmission to the carrier line.

1,513,454. SAFETY-RAZOR HOLDER. JAMES FRANCIS FERRY, Sr., Falls City, Nebr. Original application filed Aug. 11, 1922, Serial No. 581,103. Divided and this application filed Jan. 21, 1924. Serial No. 687,558. 2 Claims. (Cl. 30-12.)



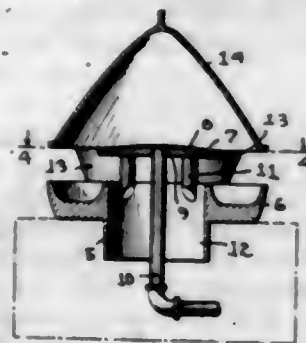
1. In a razor, a holder including a curved cap and a curved guard and means for positioning and clamping the same together in cooperative relation, said guard having teeth on the face opposed to the cap and positioned intermediately of the positioning and clamping means and the edges of the guard whereby when a blade is clamped between the parts the blade will be held in continuous contact throughout with the cap and be spaced from the guard by the teeth to leave free cleaning passages between the blade and the guard in all directions for the purposes specified.

1,513,455. RAILROAD TIE. KOHLER GREENFIELD, Kernersville, N. C. Filed Dec. 5, 1923. Serial No. 678,710. 2 Claims. (Cl. 238-31.)



1. A railroad tie comprising a base having a longitudinally extending chamber in its upper side midway its ends, a top plate provided on its under side at its center with a rocker adapted to seat in said chamber, means to engage said rocker and retain the top plate in its operative relation to the base, and yieldable supports upon the base for the ends of the top plate.

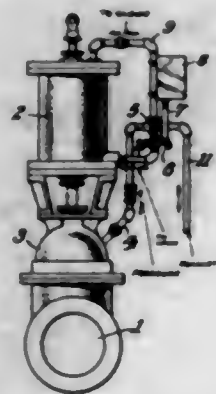
1,513,456. OIL BURNER. JAMES L. HARP, Medford, Okla. Filed Feb. 27, 1924. Serial No. 695,542. 1 Claim. (Cl. 158-91.)



In an oil burner, a base having an aperture therein and an annular channel forming a trough, a plate having radial flanges depending from the under surface of the said plate and having their lower edges bridging the

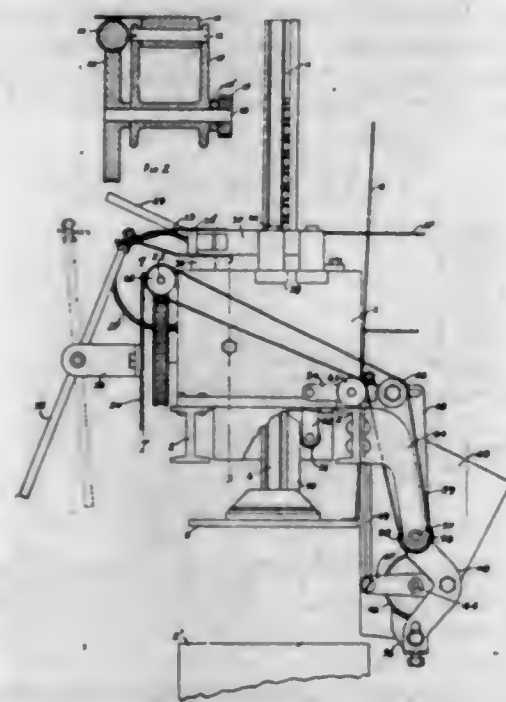
trough and resting on the upper surface of the base, lugs integral with the flanges at the inner ends thereof and of greater length than the depth of the flanges, the said lugs being positioned with relation to each other to extend into the aperture of the base for engaging the wall of the aperture and retaining the plate and flanges on the base, and a dome having its lower edge lying on the upper surfaces of the flanges and supported thereby.

1,513,457. VALVE-OPERATING APPARATUS. CHARLES ARTHUR JACKSON, Ridgewood, N. J. Filed Feb. 12, 1920. Serial No. 358,070. 3 Claims. (Cl. 137-139.)



2. The combination, with an hydraulic cylinder having connections at either end for fluid under pressure, a reciprocating valve controlling said connections, and inlet and exhaust connections to said valve, of an operating crank on the valve spindle, a driving element provided with a rotating crank shorter than that on the valve spindle, and a connecting rod pivoted to said cranks, one of said pivotal connections being adjustable radially of the crank whereby through changes in said pivotal connections the extent and speed of opening and the speed of closing of the valve ports may be varied without varying the movement of the driving element.

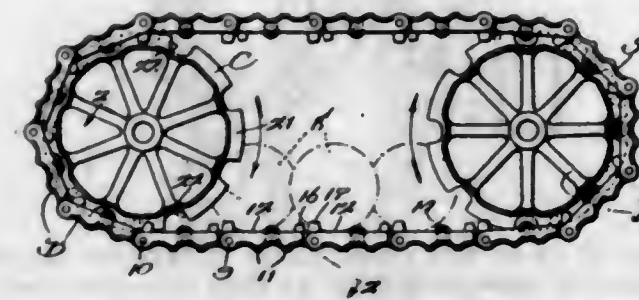
1,513,458. COTTON PACKER. ERNST A. H. JACOB, San Antonio, Tex. Filed Mar. 25, 1922. Serial No. 546,830. 14 Claims. (Cl. 100-5.)



1. In a cotton packer, the combination of a reciprocating plunger, a shifter plate carried by said plunger, an intermittent feeder, said feeder being adapted to function under the influence of the movement of said

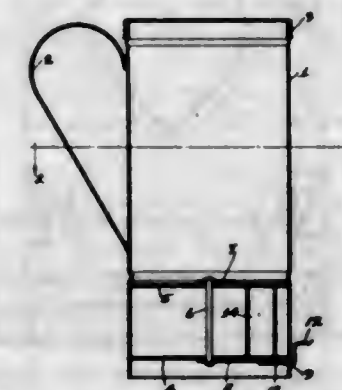
plunger, common means for operating said plunger, said feeder, and belt shifting means for rendering said belt shifting means inoperative, said means being adapted to take effect instantly upon actuation regardless of the location of the plunger or to take effect automatically through the shifter plate when plunger is at the highest point of its upward stroke.

1,513,459. TRACTION BELT AND SPROCKET WHEEL. GEORGE C. JETT, Milwaukee, Wis., assignor of two-fifths to Walter H. Stiemke, Milwaukee, Wis. Filed July 9, 1919. Serial No. 309,576. 9 Claims. (Cl. 305-10.)



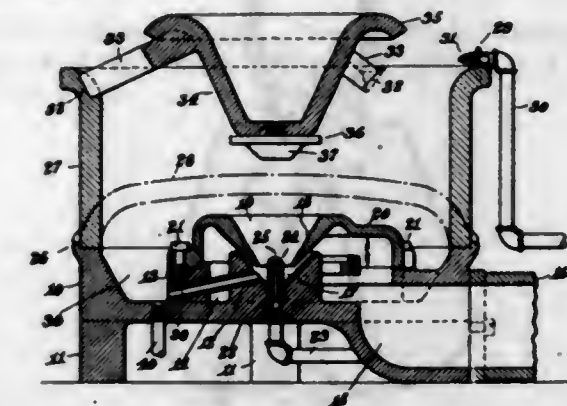
1. In combination, a sprocket wheel having driving draft elements and a plurality of tread shoes provided with a rail, end hinge elements located below the plane of the rail, a centrally located driven roller draft member and guiding lugs independent of said rail and of said member, and disposed between said rail and the centers of the shoes, extending upwardly beyond the plane of the rail and adapted to have engagement with side portions of said sprocket wheel.

1,513,460. COFFEE-MEASURING CONTAINER. FRED J. JOHNSON, Minneapolis, Minn. Filed Apr. 3, 1924. Serial No. 703,938. 1 Claim. (Cl. 221-104.)



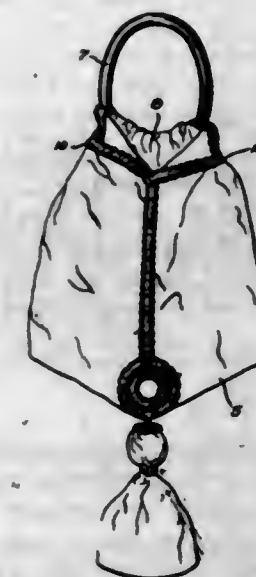
In a measuring container the combination with a cylindrical body having a slot extending circumferentially in the body wall and near the bottom thereof, of a cap for closing the top of said body, a bottom positioned slightly above the slot in said body, a false bottom positioned above said first named bottom, a hinge pin journaled in said bottoms, a measuring chamber positioned between said bottoms and communicating with the body portion of the container above said false bottom and with the exterior of the container through said first named bottom, two closures rigidly carried by said hinge pin and angularly disposed with reference to each other, one of said closures being positioned above said false bottom and the other positioned below said first named bottom, and an actuating lip on the exterior of said container having an arm passing through the slot in said container wall and rigidly fastened to said bottom closure.

1,513,461. OIL BURNER. LAWRENCE E. JOHNSON, Melrose, Mass., assignor to Economy Heater Co., Inc., Lynn, Mass., a Corporation of Massachusetts. Filed Mar. 27, 1923. Serial No. 627,982. 15 Claims. (Cl. 158-28.)



15. In a fuel oil burning device, a combustion chamber; a fuel mixing chamber centrally positioned in the bottom thereof with its wall flaring upwardly and outwardly; a depending cone-shaped member in said combustion chamber above said mixing chamber; a horizontal baffle plate secured to the lower end of said member; and an oil nozzle centrally positioned in the lower end of said mixing chamber whereby a mixture of oil and air will be projected against said horizontal baffle plate and thereby deflected outwardly toward the inner wall of said combustion chamber.

1,513,462. BAG. CARRIE EDGARDA KIDDER, Somerville, Mass. Filed Dec. 7, 1920. Serial No. 428,879. 2 Claims. (Cl. 150-1.)



1. The combination of a bag of flexible material having an opening at the top, with a rigid ringlike gathering element at the opening of the bag, the union between the bag and the gathering element being a loose one free of any restricting stitching or seams and permitting considerable play or freedom of movement of the bag relative to the gathering element, said movement being permitted not only about the perimeter of the gathering element but also longitudinally of the bag, the gathering element having a narrowed portion, whereby when the gathering element is held in a substantially vertical position with the narrowed portion lowermost the bag is freely gathered and closed under the influence of gravity.

1,513,463. BAG. CARRIE EDGARDA KIDDER, Smith, Ky. Filed May 27, 1922. Serial No. 564,136. 13 Claims. (Cl. 150-1.)

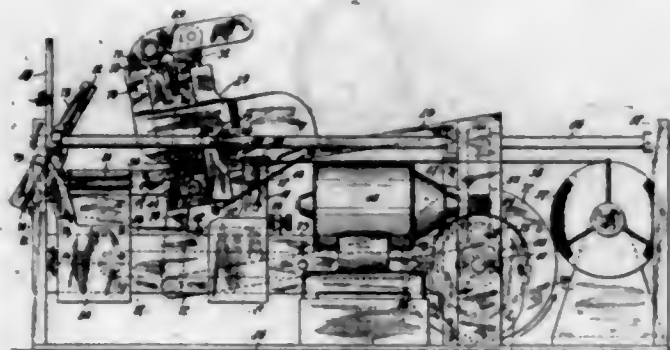
2. A bag of flexible material providing at one end thereof a mouth, a rounded gathering element of sub-

stantially rigid material at said mouth and secured to said mouth by flexible loops, and the material of said



bag having a pair of longitudinal pleats for causing said bag to assume a flat shape when said loops are drawn together.

1,513,464. BAG-CLOSING MACHINE. JOSEPH KLEIDMAN, Brooklyn, N. Y., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y., a Corporation of New York. Filed May 28, 1919, Serial No. 300,360. Renewed Mar. 29, 1924. 4 Claims. (Cl. 226-57.)



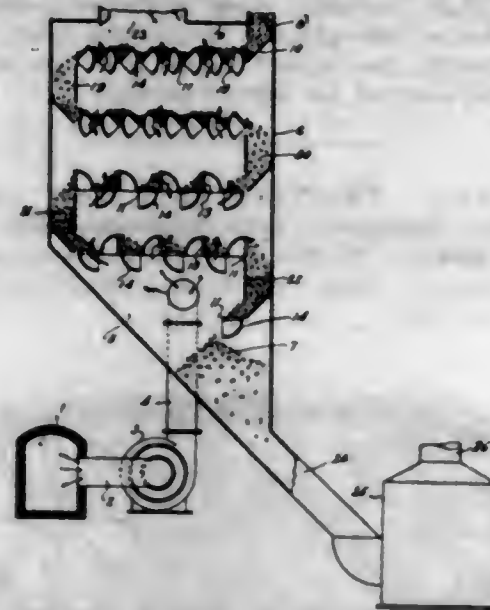
1. A bag closing machine, comprising metal strip feeding means, a stationary head, a slide thereon, coating dies on said head and slide for initially shaping a portion of the strip, coating means on said slide and head for severing from the body of the strip the portion shaped during the previous shaping operation, means for puckering the mouth of the bag and bringing the same into operative relation to the strip portion to be severed, coating means on said slide and head for forming the portion of the strip to be severed into ring shape and applying the same during the process of formation to the puckered mouth portion of the bag, the forming means on said head being made of two sections, one stationary and the other movable, and means on said slide for actuating the movable section of said forming means.

1,513,465. WASTE-HEAT DRIER. MARTIN J. LIDE, Birmingham, Ala. Filed May 10, 1923. Serial No. 637,982. 5 Claims. (Cl. 34-34.)

1. In a waste heat drier, a casing having rocking grate means to pass the products to be dried back and forth across the casing, and means to pass hot gases upwardly through the moving layers of stock.

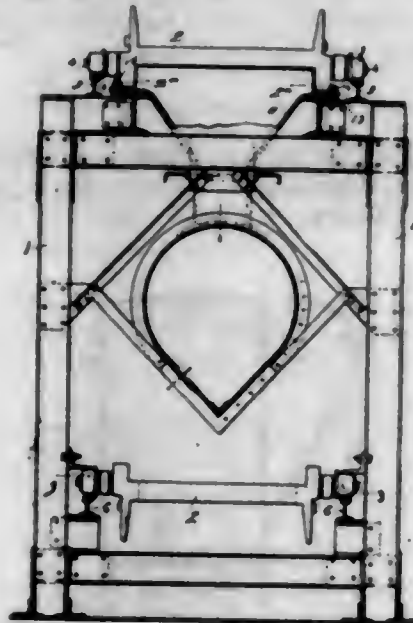
4. In a waste heat drier having a top stock inlet, a bottom stock inlet, means to force hot gases into the

lower portion of the casing, grates disposed across the casing at different levels, each grate comprising segments having a foraminous stock supporting face termi-



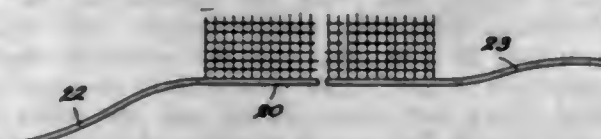
nating in an arcuate guard, means to oscillate adjacent segments in opposite direction to effect transverse feed of the stock across the grates.

1,513,466. SINTERING MACHINE. RICHARD LEWIS LLOYD, New York, N. Y., assignor to Dwight & Lloyd Sintering Co., Inc., New York, N. Y., a Corporation of Delaware. Filed July 21, 1923. Serial No. 652,874. 7 Claims. (Cl. 266-21.)



1. In an ore treating machine the combination of a wind box, movable receptacles, means to support said receptacles for travel along the wind box, inherently flexible and pliable sealing means adapted to engage the receptacles, and supporting means along the wind box for said sealing means, said sealing means lying loosely upon said supporting means for engagement with the receptacles.

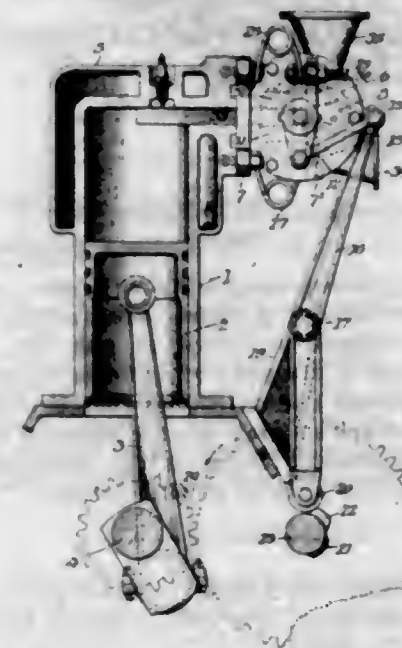
1,513,467. TENNIS NET. WILLIAM M. MACKENZIE, Yonkers, N. Y. Filed July 24, 1922. Serial No. 576,976. 1 Claim. (Cl. 46-24.)



In a tennis net, a tape longitudinally folded along and over the lowermost mesh cords of the net and extended sufficiently to provide fastening means for the lower

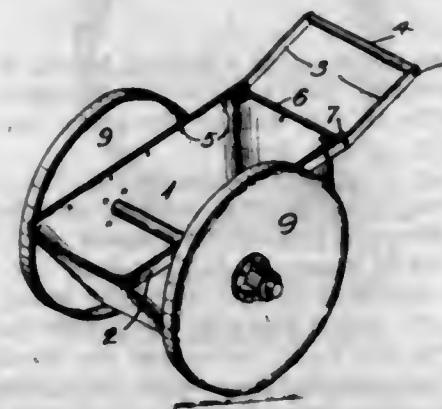
part of the net, said tape having its two sides brought together and stitched near their edges, so as to conceal the mesh cords, their knots, and the unravelled ends of the severed cords.

1,513,468. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. JULIUS RICHARD PFLAUME, Melrose Park, Berkley, Ill., assignor of one-half to Samuel Karlen, Berkley, Ill. Filed Nov. 2, 1922. Serial No. 598,678. 2 Claims. (Cl. 128-81.)



1. An internal combustion engine comprising a cylinder and piston, a crank shaft, a cam shaft driven by said crank shaft, a valve housing detachably mounted at the side of said cylinder, a passageway through the cylinder wall communicating with said valve housing, a cylindrical valve body mounted for oscillation within said housing, said valve body having separate intake and exhaust passageways, said housing having intake and exhaust ports approximately 120 degrees from each other and the passageway communicating with the cylinder, resilient means for normally holding said valve body in closed position, a pair of rocker arms connected to said valve body to alternately rock it in opposite directions against the action of said resilient means, and tappet cams on said cam shaft for operating said rocker arms.

1,513,469. CONCRETE CART. ARTHUR P. ROBINSON, Plainfield, N. J., assignor, by mesne assignments, to Ransome Concrete Machinery Company, Plainfield, N. J., a Corporation of New Jersey. Filed Dec. 8, 1920. Serial No. 429,217. 5 Claims. (Cl. 280-51.)

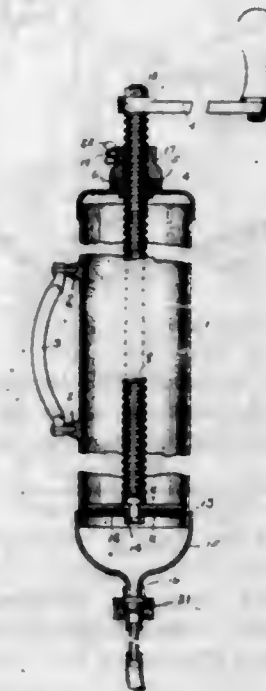


1. A concrete cart or the like comprising in its construction a body in the form of a bucket having an open top and sides converging from top to bottom, said body being made of a piece of sheet metal, a rim on the outer sides of the body at the upper edge thereof, reinforcing

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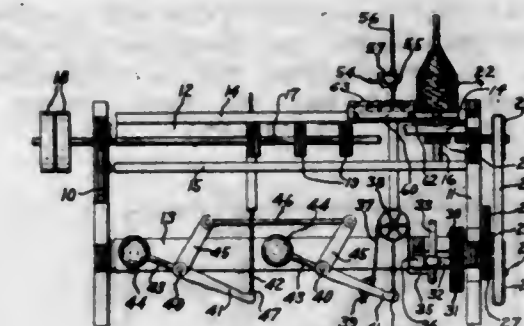
hub plates on the outer sides of the body and extending downwardly from the rim, axles extending through said plates and wheels mounted on said axles at the sides of the body and above midheight thereof.

1,513,470. GREASE GUN. ROY O. TODD, Spooner, Wis. Filed Aug. 12, 1922. Serial No. 581,391. 1 Claim. (Cl. 74-40.)



The combination of a cylinder head having an aperture therethrough, a polygonal extension about said aperture, an internally screw threaded split nut having in one end a polygonal shaped cavity to fit about said extension, clamping means for said nut, and a screw threaded rod located in said nut and slidably passing through said aperture in said head.

1,513,471. CONE WINDER WITH THREAD-SEVERING ATTACHMENT. ELMER VAN DUSEN, Stratford, Conn. Filed Oct. 29, 1923. Serial No. 671,314. 9 Claims. (Cl. 242-27.)

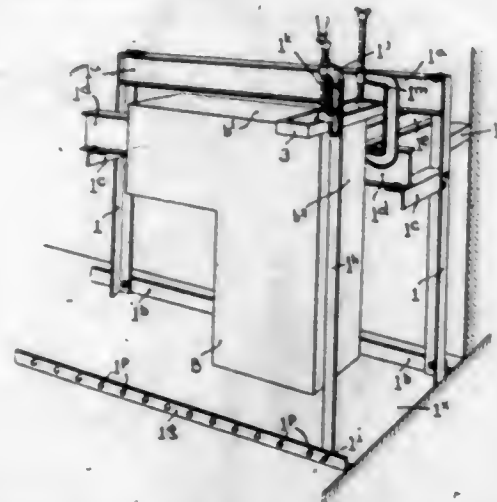


1. In a machine for winding a strand of thread, a thread guide, and means for severing said strand when the thread becomes removed from its guide.

1,513,472. PROCESS AND APPARATUS FOR WELDING METAL SHEETS. HARRY WHOMES, Chattanooga, Tenn., assignor to Tennessee Furniture Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed Sept. 1, 1923. Serial No. 660,565. 4 Claims. (Cl. 113-99.)

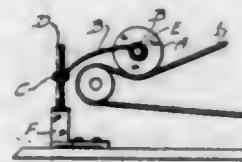
1. In a sheet welding apparatus, a horizontal beam connecting the uprights, a second beam mounted on said arms below and slightly in front of the first beam and parallel therewith adjustable bars mounted upon the second beam and projecting beyond the same to support the

sheets to be welded said bars having their rear ends engaged under the first beam, a slotted heat absorbing member, and means for clamping the heat absorbing mem-



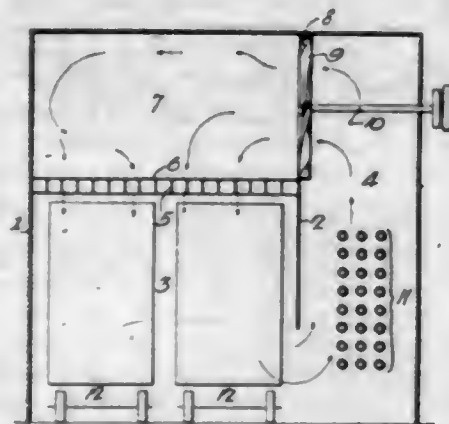
ber and sheets upon the bars, with the slot in said member disposed above the abutting edges of the sheets, the welding flame being directed through said slot.

1,513,473. AUTOMATIC BELT TIGHTENER. FRANK ACKERMAN, St. Louis, Mo., assignor to Curtis & Company Manufacturing Company, Wellston, Mo., a Corporation of Missouri. Filed June 4, 1923. Serial No. 643,272. 8 Claims. (Cl. 64-5.)



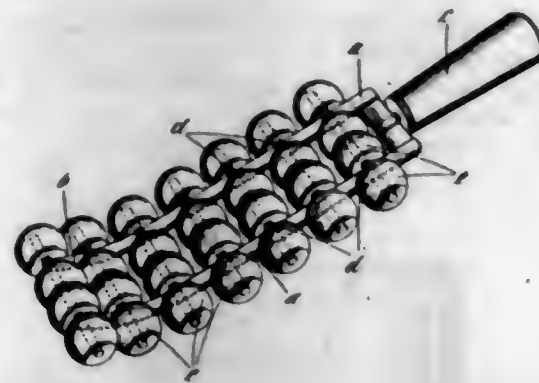
1. An automatic belt tightener, comprising a belt engaging element constructed so as to exert sufficient pressure on the belt to keep it taut, and a resilient supporting means for said element that has sufficient inherent resiliency to absorb the movements of said element produced by fluctuations in the tension of the belt.

1,513,474. DRIER. ELWOOD B. AYRES and ALPHEUS O. HURXTHAL, Philadelphia, Pa., assignors to Proctor & Schwartz, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,582. 3 Claims. (Cl. 34-19.)



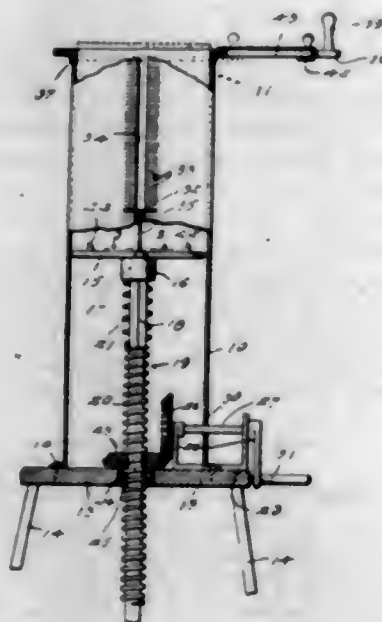
1. The combination in a drier, of a drying chamber; an air chamber above the drying chamber; a fine wire screen and a foraminous partition arranged in close proximity one with the other and separating the two chambers; and means for circulating heated air, the air being forced into the air chamber where it accumulates and passes through the meshes of the wire screen and the foraminous partition and into the drying chamber.

1,513,475. MASSAGE APPLIANCE. JOHN CORNELIUS BELL, London, England. Filed Mar. 6, 1923. Serial No. 623,232. 1 Claim. (Cl. 128-58.)



A massage appliance comprising a frame made up of spaced and substantially parallel substantially rigid resilient frame members connected at one end, a handle secured to this end, a plurality of spindles mounted transversely of said frame and extending therebeyond on both sides, globular rollers on each spindle between said frame members, and globular rollers freely mounted on the ends of said spindles outside of said frame.

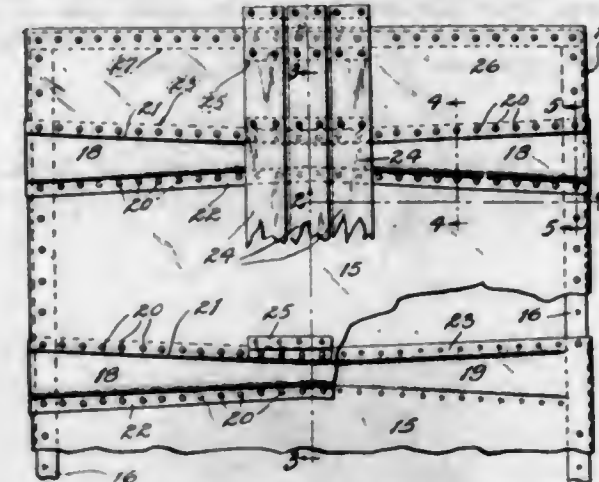
1,513,476. CHEESE CUTTER. JAMES BLAIN, Springfield, Mo. Filed Sept. 29, 1923. Serial No. 665,561. 6 Claims. (Cl. 31-13.)



1. A machine of the class described having a drum to contain the material, and a cutter for the material having contact with an end wall of the drum, and movable circumferentially of the drum.

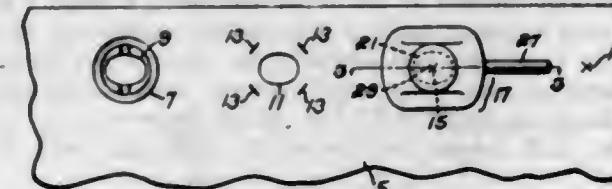
6. A machine of the class described having a base, a drum rising therefrom, a plate to feed material toward and above its upper end, a feed screw carrying said plate, a gear wheel journaled in said base and threaded to said screw, means to operate said gear wheel, a frame journaled on the drum adjacent its upper end, and a knife carried by the frame to engage the material, said plate having material-engaging spurs, an indicator having an arm extending from the plate, the drum having a slot in which said arm operates and indications to coact with the indicator, a socket depending from the plate, said socket having detachable connection with the feed screw, and a cushioning spring surrounding the feed screw and engaging said socket at one end and the thread of the screw at its other end.

1,513,477. CAR ROOF. CHARLES DAVID BONNALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Original application filed Nov. 21, 1921, Serial No. 516,600. Divided and this application filed Sept. 22, 1924. Serial No. 739,077. 10 Claims. (Cl. 108-5.4.)



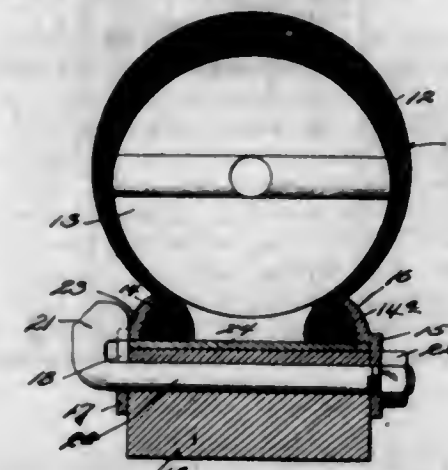
3. A car roof comprising a plurality of metal roof sheets extending from eaves to eaves and having their side margins overlapped, said roof sheets having reverse hollow ribs formed in their overlapped portions that are rigidly secured together to form hollow girders.

1,513,478. TOOL FOR USE ON NONCIRCULAR WORK. DAVID BOUSQUE, Amesbury, Mass., assignor to G. W. J. Murphy Company, Amesbury, Mass., a Corporation of Massachusetts. Filed May 5, 1923. Serial No. 636,977. 9 Claims. (Cl. 164-33.)



1. A punch comprising a stock having at an end face cutters for forming a design requiring angular orientation and having a lateral extension whereby the punch may be oriented with respect to the work when presented thereto in punching position.

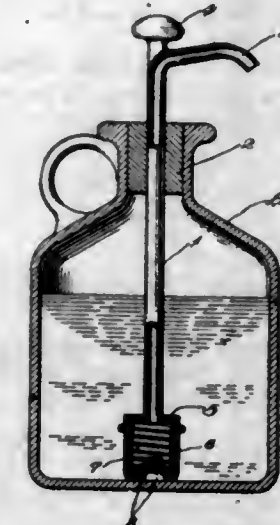
1,513,479. TIRE-MOUNTING DEVICE. GEORGE W. BOYD, Nashville, Tenn. Filed May 29, 1922. Serial No. 504,390. 3 Claims. (Cl. 152-21.)



1. In combination with a wheel means for securing a tire to the felly of the wheel and for holding said casing tight about a filler, comprising a flange secured to one side of the felly of the wheel, a movable ring on the opposite side of said felly and bolts having hooked ends adjustable transversely through the felly of the wheel, the hooked end of each of said bolts having a head bearing against the movable ring, means associated

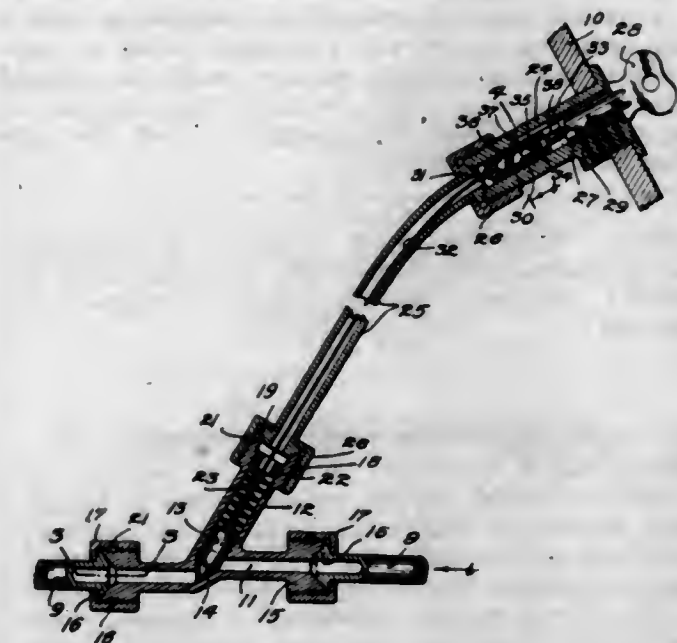
with the opposite end of each of said bolts for drawing said bolts transversely of said felly, and a flange secured to the side of the felly adjacent the movable ring and having notches in one edge thereof to receive the heads of said hooks.

1,513,480. PUMP. JAMES F. BRADLEY, Lombard, Ill. Filed Oct. 18, 1922. Serial No. 595,331. 1 Claim. (Cl. 215-5.)



In a pump structure, a stopper adapted to fit within the mouth of a jug or bottle, a pump carried by said stopper and having its maximum diameter smaller than the maximum diameter of the stopper, said pump including a dispensing tube carried by the stopper, a spout communicating with the tube, a sectional cylinder at the lower end of the tube, said cylinder having an upwardly cupped bottom portion with a central opening and further provided with a plurality of perforations around said opening, a piston on said tube and movable within said cylinder for forcing liquid outwardly through the tube and spout, a spring in said cylinder, a valve member having a stem movable through the central opening of the bottom portion for controlling the inlet and outlet of liquid into the cylinder, and a relatively small head upon the lower end of the stem to prevent displacement of the valve.

1,513,481. GASOLINE-SUPPLY LOCK. MARTIN H. BRADY, Minneapolis, Minn. Filed Dec. 6, 1922. Serial No. 605,204. 1 Claim. (Cl. 251-6.)



The combination with a gasoline feed pipe having a tubular lateral extension and in said extension a valve for cutting off the flow through said pipe, a lock case, a tubular case connecting said lock case to the tubular ex-

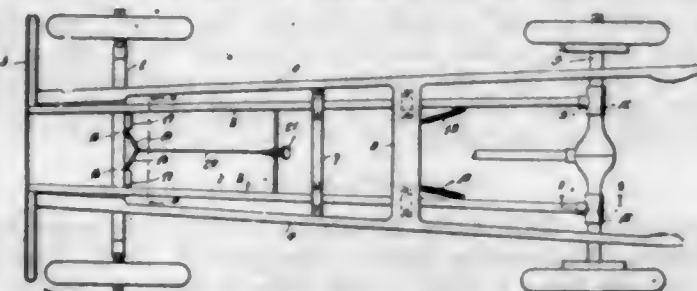
tension of said feed pipe, a key-actuated tumbler in said lock case, a bolt connected to move axially in respect to but to rotate with said tumbler, said bolt having a cam connection in said lock case whereby it will be moved axially when rotated, said cam connection comprising an axial slot in said case, a spiral slot in said bolt and a ball engaging said axial and spiral slots, and a wire connecting said bolt to said valve for operating the same, said valve being under spring strain to move into a closed position.

1,513,482. PNEUMATIC CLEANER FOR BEANS AND THE LIKE. FRANK D. BROWN, Batavia, N. Y. Filed Mar. 20, 1924. Serial No. 700,695. 2 Claims. (Cl. 130-18.)



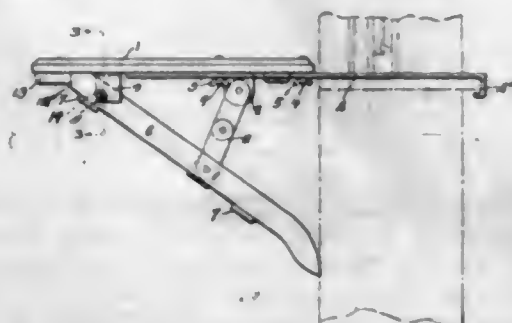
1. In apparatus of the class described, a moving carrier element having a plurality of indentations to receive and carry individual particles and arranged in spaced rows longitudinally of the carrier element, means for distributing the particles with one in each indentation, and means for independently cutting off the flow to each of the rows of indentations.

1,513,483. BUMPER-OPERATED BRAKE. EUGENE BUCHANAN, Fall River, Mass. Filed Jan. 15, 1924. Serial No. 686,362. 6 Claims. (Cl. 180-83.)



1. A vehicle brake comprising in combination with a vehicle including an axle and a housing having an opening therein, a longitudinally movable brake bar adapted to enter said opening, and a projection upon the axle to coact with said brake bar whereby to lock the axle against rotation.

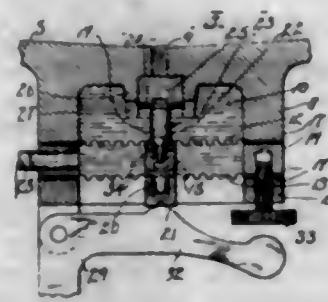
1,513,484. WINDOW SEAT. GEORGE M. BUCHANAN, North Braddock, Pa. Filed Feb. 20, 1922, Serial No. 538,072. Renewed May 27, 1924. 2 Claims. (Cl. 304-26.)



1. In a device of the character described, a seat board, means for securing the inner end of the seat board to a window sill, a brace strip secured across the under-

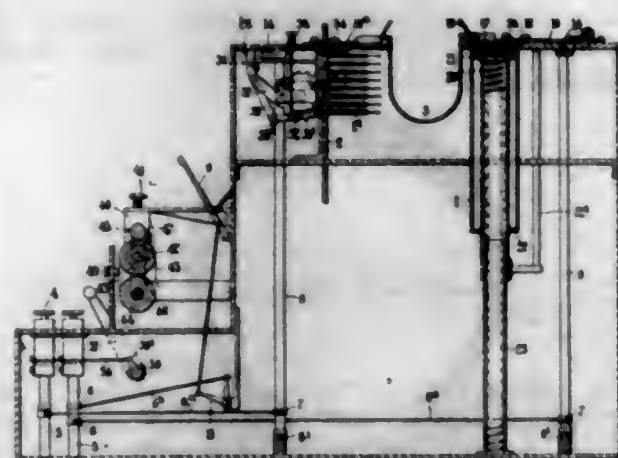
face of the seat board adjacent to the outer end thereof, brackets fixedly secured to the underface of the seat board inside of the strip, brace bars fitting through said brackets and provided with longitudinally extending slots, pins secured through the brackets and passing through said slots, and means for limiting movement of the brace bars away from the seat board, the outer ends of the brace bars being adapted for contact with said brace strip when the bars are in operative position.

1,513,485. LIQUID DISPENSER. EDWIN W. BULLARD, Whitneyville, Conn. Filed Oct. 24, 1923. Serial No. 670,462. 3 Claims. (Cl. 221-102.)



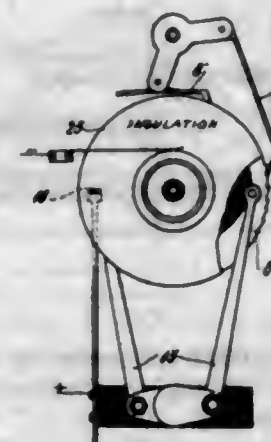
1. A liquid dispenser, comprising a fount and a base therefor, said base formed in its under-side with a chamber, a cylinder in said chamber, and a passage from the fount into said cylinder, two diaphragms mounted below said cylinder, a valve-block located between said diaphragms and formed at its upper end with a seat, a piston in said cylinder, with a downwardly-extending stem, a gate at the lower end of the stem co-acting with said seat, ports in said valve-block between said diaphragms, a discharge-opening from the space between the diaphragms, and means for upwardly deflecting said diaphragms.

1,513,486. WAGE-PAYING MACHINE. CHARLES LAURENCE BURDICK, London, England. Filed Feb. 18, 1922. Serial No. 537,577. 10 Claims. (Cl. 133-4.)



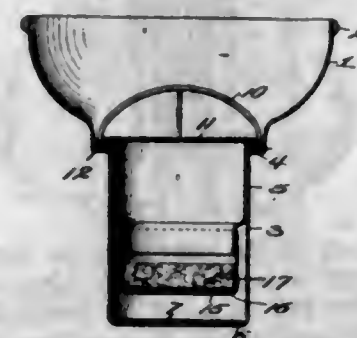
1. A money delivering machine comprising clips constructed to hold paper money and arranged in groups, ejectors arranged to disengage paper money from the clips of each group respectively, keys, rotary shafts associated with the said keys, means rendered operative by the depressions of the said keys for imparting a rotary movement to the corresponding shafts, and means for operatively connecting the said shafts to corresponding ejectors.

1,513,487. SELF-REGULATING ELECTRIC STRIKING MECHANISM FOR CLOCKS. KARL BURGHART and GEORG BOHLER, Vienna, Austria. Filed Nov. 13, 1922. Serial No. 600,592. 8 Claims. (Cl. 58-38.)



1. In a clock striking mechanism, a pair of dial train wheels, a contact member on one wheel, a control cam on the adjacent wheel and a pivoted arm between the wheels whose engagement with the contact member is controlled by said control cam.

1,513,488. MILK STRAINER. LOUIS G. BYNUM and JOHN W. BALL, Forsyth, Mont. Filed May 12, 1922. Serial No. 560,306. 2 Claims. (Cl. 210-155.)

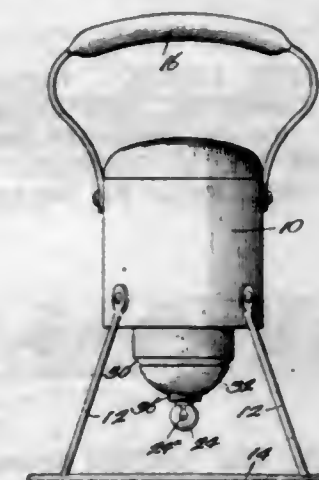


1. A liquid strainer comprising a reservoir, having a tubular portion provided with a straining element covering its lower end, a receptacle fitting within said reservoir and removably separable therefrom, said receptacle being open at both ends and of reduced diameter at its lower end, a straining element covering the upper end of said receptacle, a fibrous filtering member carried by said receptacle below said straining element, a perforated cap for the lower end of said receptacle, a handle for said receptacle consisting of two wires connected to the upper end of the receptacle and arranged in planes at right angles to each other.

1,513,489. COMBINATION ELECTRIC LANTERN AND SPOTLIGHT. WILLIAM H. CALHOUN, New York, N. Y., assignor to French Battery & Carbon Company, Madison, Wis., a Corporation of Wisconsin. Filed May 5, 1922, Serial No. 558,713. Renewed Sept. 27, 1924. 4 Claims. (Cl. 240-8.5.)

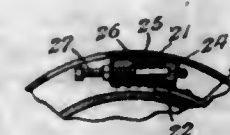
1. In an electric lantern, the combination of a casing having an electric light bulb protruding therefrom adapted to receive current from an electric cell arranged within

the casing, and a dished reflector having means for cooperation with a portion of the casing to reversibly attach the reflector to the casing, whereby said reflector acts



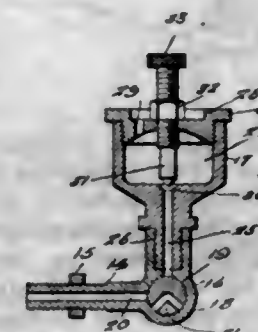
in one position to concentrate light rays from the bulb into a beam and in a reversed position to permit diffusion of said light rays.

1,513,490. CLUTCH. CHARLES P. CLARK, Olean, N. Y., assignor to Clark Brothers Company, Olean, N. Y., a Corporation of New York. Filed Jan. 24, 1922. Serial No. 531,375. 7 Claims. (Cl. 192-80.)



1. In a device of the character described, the combination of a shaft, a clutch pulley mounted thereon, a drive clutch housing secured to the shaft, a clutch band, an adjusting block slidably connected with the housing to move in the arc of a circle and means for adjusting the block whereby to adjust the clutch band.

1,513,491. PRIMING CUP. JOSEPH CONTINENZA, Farrell, Pa. Filed Apr. 3, 1922. Serial No. 549,343. 1 Claim. (Cl. 123-187.5.)



The combination with an internal combustion engine, of a primer cup therefor comprising a substantially L-shaped member enlarged at the juncture of its angle portions and being provided with a passage arranged therethrough, said L-shaped member being threadedly secured to the intake manifold and including upper and lower sections, a cup shaped member forming the upper section and being threadedly secured to the lower section, said cup shaped member being provided with a valve seat in communication with the passage, a rotary plug provided with an angle shaped passage and being arranged in the enlarged portion of the lower section, a

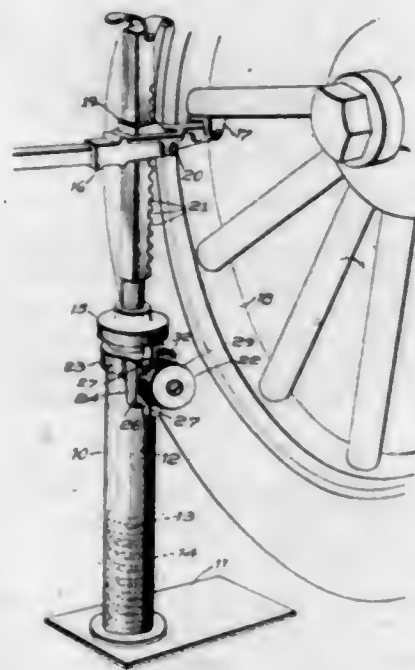
threaded cap for the upper section and being provided with a plurality of circumferentially arranged openings, and an adjustable valve passing through the cap and associated with the seat and a lock nut for the valve.

1,513,492. FRICTION LINING. HARVEY CORY and OSRIN D. GRAY, Chicago, Ill.; said Gray assignor of his entire right to Advance Automobile Accessories Corporation, Chicago, Ill., a Corporation of Delaware. Filed May 11, 1922. Serial No. 560,018. 3 Claims. (Cl. 138-259.)



1. A lining of the kind described formed of material relatively impervious to oil in combination with friction inserts therein each having in its body an opening through which oil may pass from one side of the lining to the other, substantially as described.

1,513,493. INDICATOR FOR BRAKE TESTERS. CHARLES F. COWDREY, Fitchburg, Mass. Filed Mar. 26, 1923. Serial No. 627,820. 6 Claims. (Cl. 265-28.)

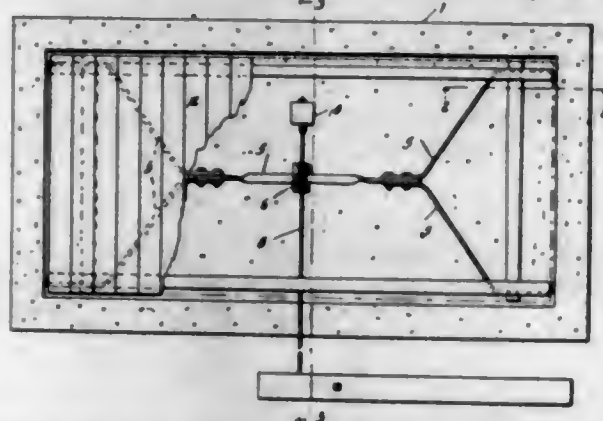


1. In combination with an automobile brake tester having a column and a post supported thereby for downward yielding movement, an indicator supported adjacent the column and including a rotating head having a graduated peripheral surface, operating mechanism between the post and head for rotating the latter in one direction only, and friction means for holding the head in the position to which it is rotated by the maximum downward movement of the post.

1,513,494. PLATFORM SCALE. CHARLES L. DAILY, Chillicothe, Ohio. Filed Feb. 27, 1923. Serial No. 621,626. 1 Claim. (Cl. 265-71.)

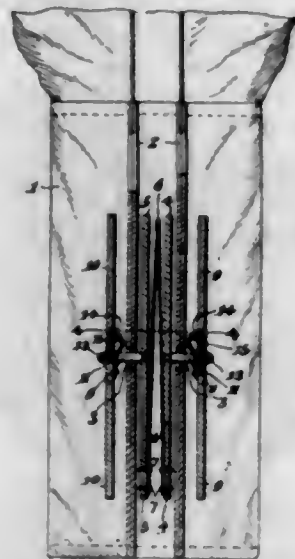
In a platform scale embodying a pit, a wall of concrete enclosing the pit, supports embedded in opposite ends of the concrete wall adjacent the corners of the pit, platform levers, links connecting the outer ends of the platform levers with said supports, said platform levers having their inner ends overlapped, a main beam disposed transversely of the platform levers, a support within

said pit and having the inner end of the main beam loosely connected thereto by a link, said main beam connected at a point intermediate its ends with the over-



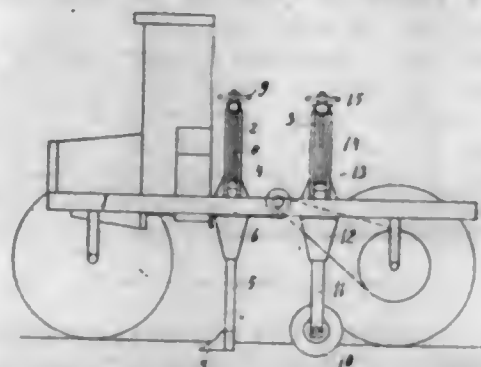
lapping ends of the platform levers by means of a link, and a scale beam having connection with the outer end of the main beam.

1,513,495. CUFF LINK. WILLIAM DUPUIS, Polson, Mont. Filed May 6, 1924. Serial No. 711,421. 7 Claims. (Cl. 24-102.)



1. In a cuff link of the character set forth, two pair of spaced aligned members, means adapted to extend through the button hole of a cuff for connecting the members of each pair, and means to provide a resilient connection between said two pair of members.

1,513,496. EARTHWORKING MACHINE. JOAN J. M. ELIAS, Banjoemas, Java. Filed Dec. 12, 1922. Serial No. 606,471. 1 Claim. (Cl. 97-56.)



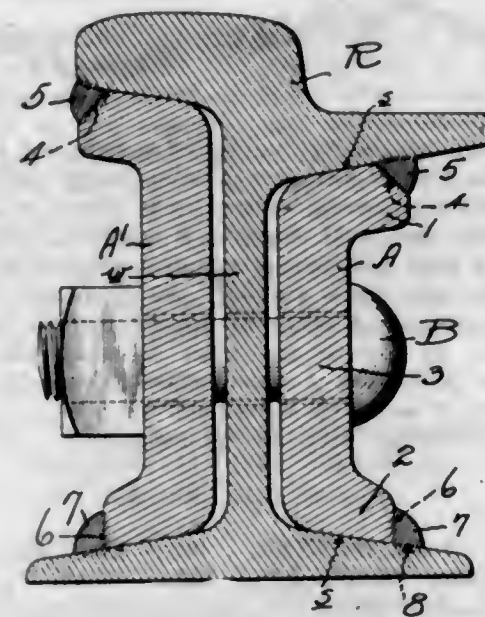
An earthworking machine, comprising two vertically adjustable plows arranged to throw the loosened earth inwardly between them and also arranged at a predetermined distance from each other, and two truncated conic rolls arranged in rear of the plows at about the same distance between them and with their smaller ends opposed and also vertically adjustable.

1,513,497. SNOWPLOW. JACOB F. FLUES, Hondo, Calif. Filed Apr. 17, 1922. Serial No. 553,800. 4 Claims. (Cl. 37-30.)



1. In combination, a carriage, a pair of spaced elongated runners supporting the carriage and provided with depending flanges whereby the runners may engage the track and clean the same of snow and the like, and a plow mounted on the carriage.

1,513,498. WELDED RAIL JOINT. CHESTER F. GAILOR, Brooklyn, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed June 9, 1923. Serial No. 644,393. 4 Claims. (Cl. 238-164.)

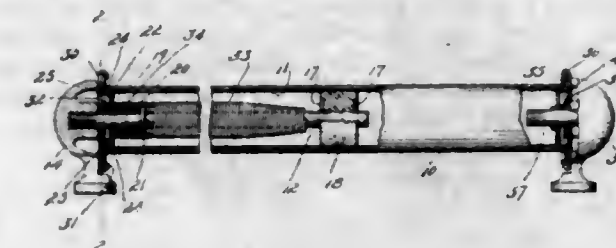


1. A welded rail joint including joint bars having up-right webs lying within the fishing space of the rails and top and bottom outwardly deflected flanges, the top flange being formed with a cut-away portion for welding disposed beneath the rail head and the bottom flange being formed with an outer welding face disposed substantially in a vertical plane, the said cut-away portion of the top flange and the vertical face of the bottom flange being located outside of the zone of the load-carrying web portion of the bar.

1,513,499. SHADE ROLLER. JOSEPH GOODMAN and WILLIAM A. SOMERS, Hamden, Conn., assignors to The Mt. Carmel Manufacturing Company, Hamden, Conn., a Corporation of Connecticut. Filed June 13, 1922. Serial No. 567,930. 13 Claims. (Cl. 156-35.)

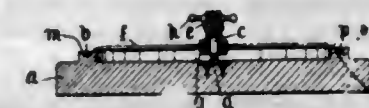
1. In a device of the character described; a roller; a head member connected therewith; a bracket; a rod secured in said bracket and held against rotation relatively thereto and having a notch therein; a plurality of pawls having a constant sliding contact with each other, each of said pawls having a tooth thereon adapted to

drop into said notch and hold said roller against rotation in one direction and to be released from said notch by the rotation of said roller when moved in the opposite



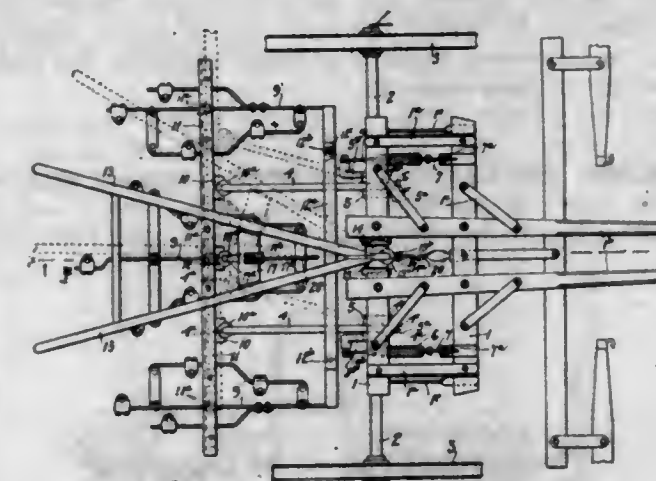
direction, the toothed portion of one of the pawls being moved away from the toothed portion of the other of said pawls by centrifugal force during the rotation of the head member.

1,513,500. APPARATUS FOR PLAYING A GAME OF CHANCE. JOHN GREIG, London, England. Filed Feb. 14, 1923. Serial No. 618,977. 3 Claims. (Cl. 46-56.)



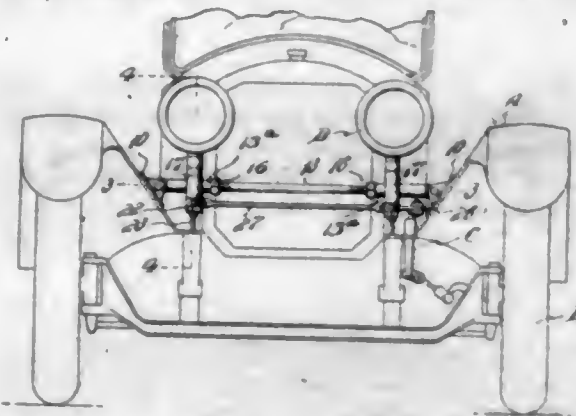
1. Apparatus for playing a game of chance, comprising a base member having a circular groove in the upper surface thereof, a plurality of rings adapted to fit into said groove and provided with markings on their flat surfaces, a vertical spindle arranged with its axis at the center of the circular groove and a spinning part arranged to be spun on said spindle.

1,513,501. CULTIVATOR. RICHARD H. GRIFFITH, Bellevue, Ohio, assignor to The Ohio Cultivator Company, Bellevue, Ohio, a Corporation of Ohio. Filed Apr. 20, 1922. Serial No. 555,789. 3 Claims. (Cl. 97-154.)



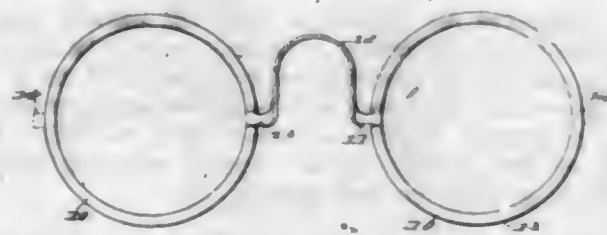
1. In a cultivator, the combination with a wheeled draft frame, and parallel bars connected to said frame on horizontal and vertical axes, of a gang frame composed of transverse bars and longitudinal gang bars carrying shovels, said parallel bars being pivoted to said frame on vertical axes, handles for raising and lowering the gang frame and for shifting said frame laterally, said handles being connected with the draft frame on vertical and horizontal axes, and a bracket connected between the handle and the rear of the gang frame.

1,513,502. DIRIGIBLE HEADLAMP. SINNAIR A. HEATER, Washougal, Wash. Filed Sept. 1, 1923. Serial No. 680,576. 4 Claims. (Cl. 240-62.)



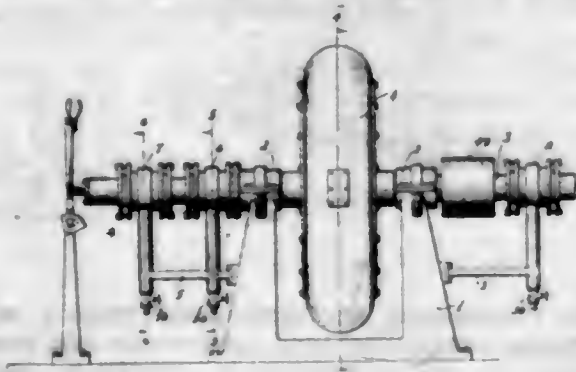
1. In a dirigible headlamp mounting for motor vehicles, brackets secured upon the front fenders, a horizontal support having its ends pivotally connected with said brackets, standards rotatably adjustably mounted upon the end portions of said support, and stems carrying the headlamps and journaled through said standards and means connecting the stems and connected with the steering mechanism of the vehicle whereby to swing the lamps simultaneously in accordance with movement of the front wheels.

1,513,503. EYEGLASSES. WALTHER J. HERRMANN, Cincinnati, Ohio. Filed June 22, 1921. Serial No. 479,699. 1 Claim. (Cl. 88-43.)



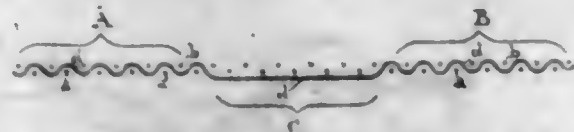
An eye glass frame formed from a blank struck from sheet material comprising continuous rings adapted to receive lenses and lying substantially in the plane of the material from which the frame is struck, there being a nose loop disposed between the rings and integrally joined therewith and including stem portions which are twisted out of the frame occupied by the rings and disposed parallel thereto, and an intermediate looped portion adapted to bridge the nose and which is disposed with its transverse breadth at right angles to the plane in which the lens rings lie.

1,513,504. SEPARATING MACHINE. CLIFTON HOLMES and FLOYD E. BRINGLE, Cushing, Okla. Filed Aug. 6, 1923. Serial No. 656,047. 7 Claims. (Cl. 233-21.)



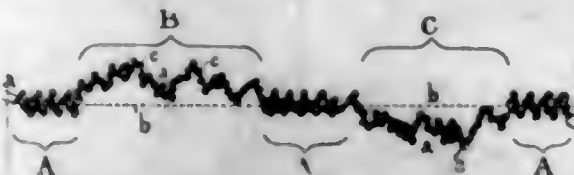
1. A separator of the class described comprising a drum, a shaft supporting the same, means for rotatably supporting the shaft, means for rotating the shaft, said shaft having a passage therein having its inner end in communication with the drum and a spiral passage therein which is separated from the first passage and which has one end also in communication with the drum.

1,513,505. WEAVING OF QUILTS, COUNTERPANES, BEDSPREADS, AND SIMILAR ARTICLES. THOMAS HOLT and JOHN WILLIAM HOLT, Walslow, Bury, England. Filed Feb. 16, 1921. Serial No. 445,421. 2 Claims. (Cl. 139-416.)



1. A patterned fabric applicable for quilts, counterpanes or bed spreads comprising two sets of weft yarns of distinguishing characteristics (texture or color), one set forming an imitation embroidery pattern only, and being absent from the ground work, and the other set forming the ground work only, in combination with two warp yarns, one at a greater tension forming the ground work only and the other at less tension, the latter combining with the second warp to force the pattern into prominence in imitation of embroidery.

1,513,506. WEAVING OF QUILTS, COUNTERPANES, BEDSPREADS, AND SIMILAR ARTICLES. THOMAS HOLT and JOHN WILLIAM HOLT, Walslow, Bury, England. Filed Feb. 16, 1921. Serial No. 445,422. 2 Claims. (Cl. 139-383.)



1. A single ply fabric comprising a weft and two warps interwoven, one of said warps being under great tension and the other of said warps being woven under loose tension with said weft, forming a crinkled drifting cloth interwoven with said first mentioned warp in parts, so as to embrace both sides thereof, and in parts permitting said first mentioned warp to appear on the surface of said fabric, on one or the other sides of said drifting cloth, the latter being more crinkled opposite the exposed parts of said first mentioned warp than where said warp and drifting cloth are interwoven.

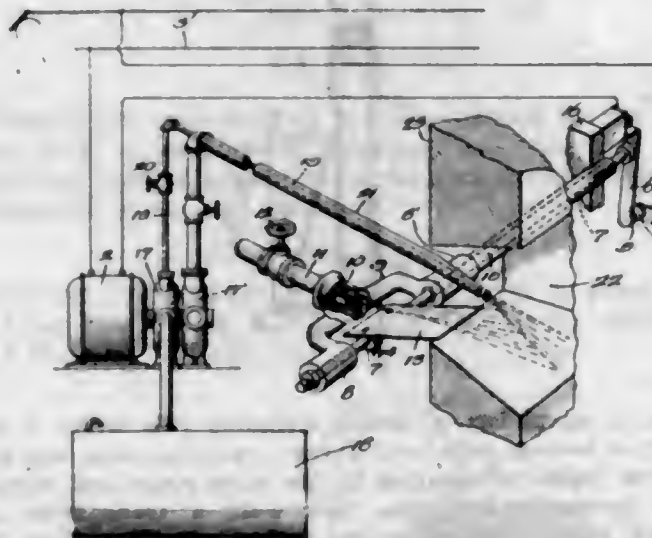
1,513,507. CAN OPENER. JOHN S. HOPKINS, New York, N. Y. Filed Aug. 17, 1921. Serial No. 492,967. 1 Claim. (Cl. 30-3.)



A can opener, comprising a bar provided with a handle and formed with a rack extending from the outer end toward the handle, a tool carrying plate secured to said bar and formed at its front end with a spur, a spacing member arranged between said plate and said bar, and

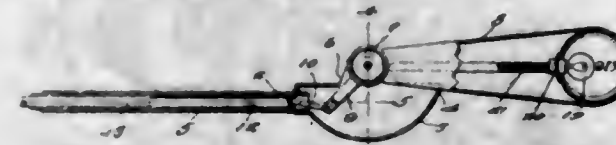
a knife slidably mounted on said bar, said knife being formed with a catch for engaging the teeth of said rack and with flange members overlapping said bar for retaining the knife on the bar, said spacing member acting to hold said plate a sufficient distance from the bar to permit one of said flanges to pass said plate as said knife is moved to a point near the outer end of said bar.

1,513,508. HEATING APPARATUS. JOHN C. HORNUNG, Chicago, Ill. Filed May 23, 1921. Serial No. 471,804. 10 Claims. (Cl. 158-36.)



1. The combination with a bracket of U-form; of a burner connected with the mid-portion of the bracket and positioned to direct its flame into the space between the sides of the bracket; and a thermomotive device having two elements, one of these elements being anchored upon one end of the bracket and extending into the space between the sides of the bracket to be subject to the heat of the burner flame, while the other element is anchored to the remaining end of the bracket and extends away from the space between the sides of the bracket to be less subject to the heat of the burner flame.

1,513,509. SIGNAL. BARNEY HOUGHTALING, Madison, Wis. Filed Feb. 14, 1923. Serial No. 618,962. 1 Claim. (Cl. 111-50.)



Oppositely arranged semi-circular casings having open tops and partly open outer sides, and a slotted tubular member connecting the casings, a signal arm pivotally supporting in each of the casings and normally arranged in a vertical plane, an arm depending therefrom, and disposed in the casings, a link connected thereto, rods connected to the links, one of said rods being hollow and telescopically receiving the other rod, and both rods being arranged in the tubular connecting member for the casing, and operating knobs on the respective rods arranged in the slotted portion of the tube, the casings serving to limit the pivotal movement of the arms in one direction and support the latter in operative position.

1,513,510. BLIND-NAIL-TRIMMING STRIP. ALBERT L. HOWARD, Brockton, Mass., assignor to Ashton Hamilton, Brockton, Mass. Filed Apr. 26, 1924. Serial No. 709,176. 7 Claims. (Cl. 155-184.)

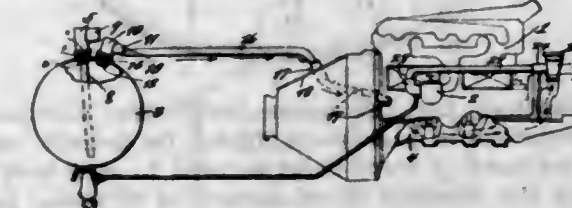
1. A blind nail trimming strip comprising a covering strip having a nail receiving portion, a relatively wide bead connected to the said covering strip with its outer edge on one side of the said nail receiving portion, to

pivot on said outer edge when moved into its closed and open positions, a plurality of smaller beads located on the opposite side of the nail receiving portion and connected with the covering strip in close relation to each other to form with said covering strip a relatively stiff side flap having inner and outer edge beads, said side flap being arranged with relation to said nail receiving portion to turn on said outer edge bead as a pivot and to have its inner edge bead overlap the wider bead in



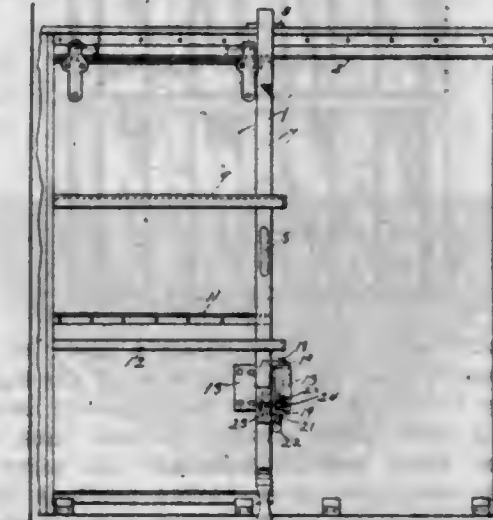
the closed position of the latter, and means for connecting said nail receiving portion with said side flap between said small beads to cause the nail receiving portion when nailed to its support to turn the side flap as one piece on the outer bead as a pivot and to draw the inner edge bead down onto said wide bead and thereby lock the latter in its closed position and to cause the outer edge bead to offer material resistance to the opening of said side flap.

1,513,511. FUEL-CONTROLLING DEVICE FOR MOTORS. ADOLF B. HROMAS, Ulysses, Nebr. Filed Sept. 7, 1923. Serial No. 661,471. 2 Claims. (Cl. 158-36.)



1. In a fuel controlling device for internal combustion motors, the combination with the crank case including a cup mounted in one of the oil holes whereby oil may be poured into the crank case, of a gasoline tank, means for conducting air below the level of the gasoline in the tank whereby it may percolate through the body of gasoline, means for conducting the mixture of air and fumes from the gasoline to the crank case, means connecting the cup and the carburetor for carrying the mixture of air, fumes from the gasoline and fumes from the oil from the crank case to the carburetor, and means extending into the cup for deflecting the oil to either side when poured through the cup, thereby preventing the oil from entering the connection from the carburetor where it extends into the cup.

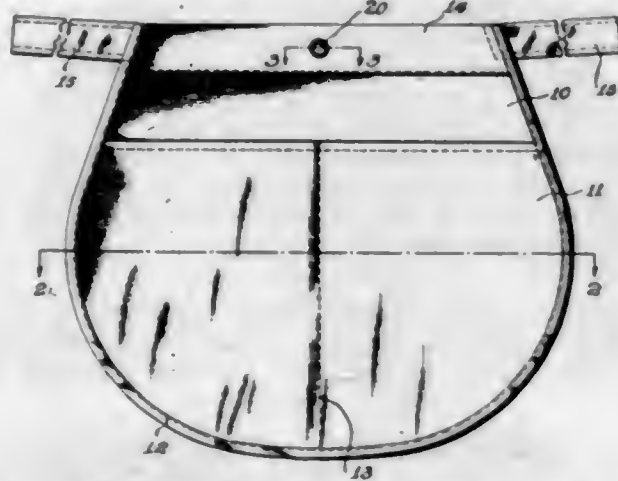
1,513,512. DEVICE FOR OPENING BOX-CAR DOORS. FRANK H. LAWRENCE, Madison, Wis. Filed Oct. 29, 1923. Serial No. 671,597. 1 Claim. (Cl. 268-6.)



In a device of the kind described, a pivot bolt secured to a box-car above the door, a lever pivoted on said bolt and depending therefrom, said lever extending a distance below the door, a notched bar secured from edge to

edge of the door and a distance in front of the same and, outside of the lever aforesaid, which is adapted to be seated in any of the notches in the bar, a guide band between the lever and door, and a similar guide band outside of the lever, both bands secured to the door below the notched bar, in combination with a locking device, comprising an arm secured to the lever adapted to engage a hasp secured to the door and the two locked together by means of a bolt and seal.

1,513,513. CLOTHESPIN APRON. DAVID LONDON, Baltimore, Md. Filed May 9, 1923. Serial No. 637,695. 1 Claim. (Cl. 2-48.)



A combined bag and apron for clothes pins and the like comprising a back sheet having its bottom and side edges intumed, a front sheet secured to said back sheet between the intumed edges thereof by stitching passing therethrough, said front sheet being also secured to said back sheet intermediate the width of said sheets whereby a plurality of pockets is provided, a reinforcing strip stitched to the upper end of the back sheet, apron strings secured to said reinforcing strip, and an eyelet secured to said reinforcing strip whereby the apron may be suspended to constitute a bag.

1,513,514. SHOE BAG AND THE LIKE. DAVID LONDON, Baltimore, Md. Filed May 9, 1923. Serial No. 637,697. 1 Claim. (Cl. 150-1.)



A washable shoe bag comprising a sheet of suitable material constituting the back portion of the bag, means cooperating therewith to form pockets, said means consisting of a cross piece stitched to said back sheet at the bottom, sides and intermediate the sides of the cross piece, said cross piece having portions folded inwardly so that the ends of the folded portions are a short distance from each other whereby enlarged pockets are produced, said back sheet having its upper end folded over and stitched at two transverse lines spaced from the upper end of the sheet and from each other to pro-

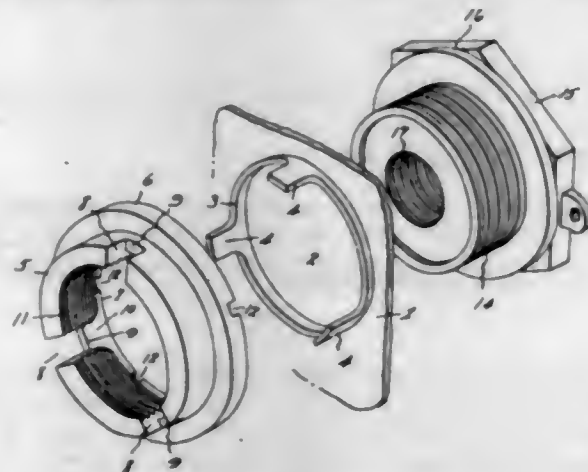
vide a casing at a spaced distance from the upper end of the sheet, a stiffening member removably positioned in said casing to prevent the sheet from sagging, and a plurality of eyelets secured at spaced distances to said sheet between said casing and the upper end of the sheet.

1,513,515. SIGNAL BOX. HERBERT D. LUKER, Chicago, Ill., assignor of one-half to Walter A. Hildebrecht, Clemens Fortmann, and M. Jay Meyers, all of Chicago, Ill. Filed Jan. 20, 1922. Serial No. 530,676. 1 Claim. (Cl. 177-31.4.)



In a signal box, a casing including side walls, a top wall, a bottom wall, and a rear wall, the side, top and bottom walls terminating in the same plane and extending outwardly from the rear wall, a transparent inclined panel disposed in the casing extending from the forward edge of the bottom wall to the rear edge of the top wall and arranged between the side walls, and a light in said compartment disposed in rear of the panel.

1,513,516. BUNG AND BUNG BUSHING. FRANK E. McCABE, Chagrin Falls, and MICHAEL L. ROSHETKO, Cleveland, Ohio, assignors to The Grabler Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 4, 1921. Serial No. 458,497. 7 Claims. (Cl. 220-39.)

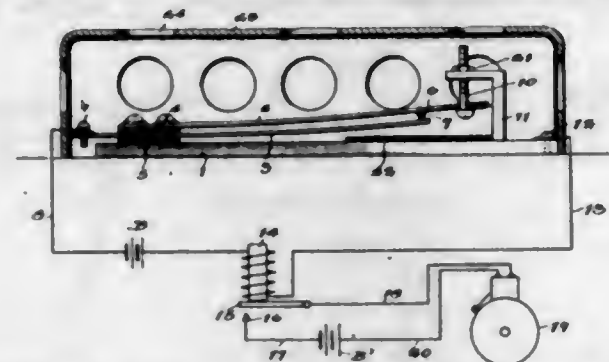


1. In a construction of the character set forth, the combination of a sheet metal wall having an opening and a plurality of lugs projecting from the edge of the opening, and a bushing applied to the wall in register with the opening and having notches therein for receiving said lugs, said notches terminating short of said wall to define shoulders, said lugs being offset laterally in said notches for securing said bushing in place.

1,513,517. THERMOSTAT. GUY HARRISON PEIFER, Hazleton, Pa., assignor to Anthracite Motor Sales Co., Hazleton, Pa. Filed Nov. 25, 1921. Serial No. 517,581. 2 Claims. (Cl. 200-138.)

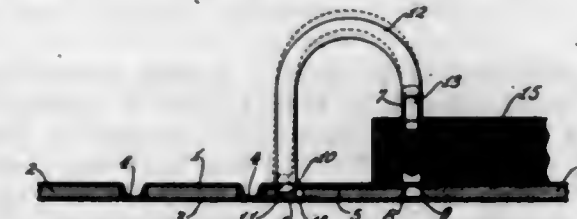
2. A thermostat having a base, a pair of common insulating blocks thereon, a contact leaf fastened on top of the upper block and having an aperture at the opposite end, a thermostatic blade fastened between the

blocks and extending short of the end of said leaf, a bracket on the base, means adjustable in said bracket passing through said aperture and having stop means



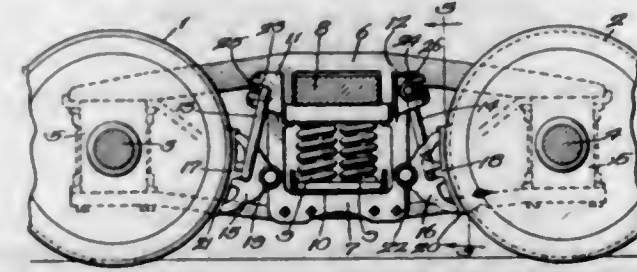
therebeneath, and coating contacts carried by the leaf and blade in confronting positions, one being flat and the other pointed to scrape the flat contact upon relative movement of the leaf and blade.

1,513,518. LOOSE-LEAF BINDER. JOHN J. POTT, St. Louis, Mo. Filed May 24, 1922. Serial No. 563,282. 4 Claims. (Cl. 129-8.)



1. A loose-leaf binder comprising, a back provided with a base strip having a socket, a post on said strip, and an arch having one leg cooperating with said post and having its other leg formed to be sprung into retaining engagement with said socket by springing said arch.

1,513,519. CAR TRUCK EQUIPPED WITH BRAKES. HERMAN C. PRIEBE, Blue Island, Ill. Filed July 23, 1921. Serial No. 487,171. 1 Claim. (Cl. 188-209.)

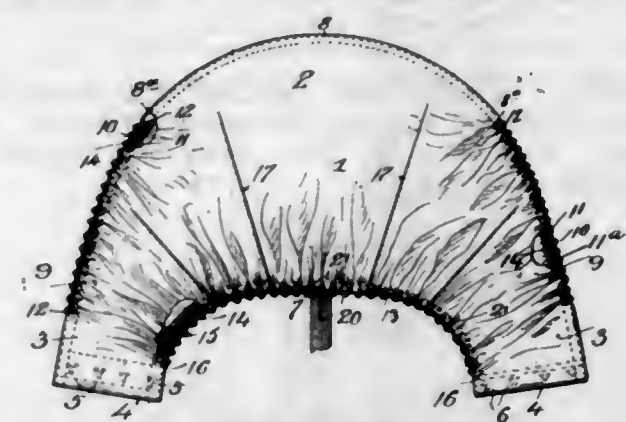


The combination with the side frames of a car truck; of pairs of car wheels supporting said side frames; a brake hanger carrier upon each side frame, one of these carriers being contiguous to each one of the wheels and formed with slots opening toward said wheels; brake hangers, in the form of hollow links, having their upper sides in said slots; brake heads with which the lower sides of the hangers are assembled; brake shoes upon said brake heads; a brake beam uniting the brake heads; and closures for the open ends of said slots and in the form of U-shaped keys whose sides are received in the parts in which said slots are formed, said brake hangers being substantially coincident in direction with the direction of the braking strains impressed thereupon while the sides of said slots are substantially perpendicular to the brake hangers.

1,513,520. BRASSIÈRE. WALTER E. PRUZAN, New York, N. Y. Filed May 5, 1921. Serial No. 467,178. 3 Claims. (Cl. 2-37.)

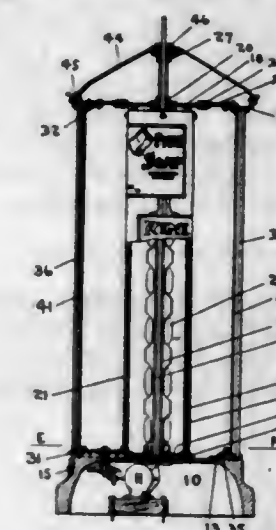
1. A brassière comprising a continuous body having ends provided with complementary fasteners, said body

having upper and lower edges and elastics fitted at the upper portions of the body from points near the arm pits to points immediately in the rear thereof, the upper



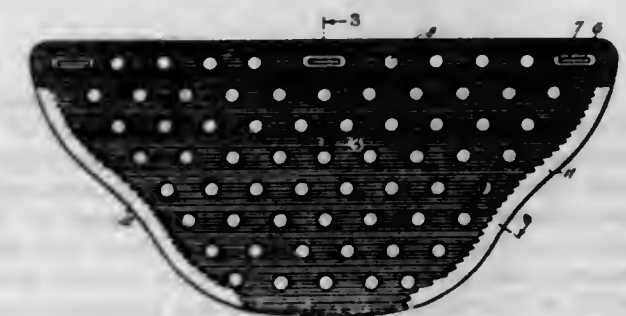
front portion being free from elastics, the elastics normally retaining upper portions of the body puckered to permit said portions to elongate.

1,513,521. REVOLVING ILLUMINATED PILLAR FOR ADVERTISING PURPOSES. GABOR ROBERTSON, Adelaide, South Australia, Australia. Filed Jan. 20, 1923. Serial No. 613,970. 14 Claims. (Cl. 40-33.)



6. An advertising device comprising a base, an outer pillar, an inner pillar, means by which the pillars are journaled on the base independently of each other, a revoluble member mounted on the base, and means carried by each pillar engageable by said member for revolving the pillars, simultaneously, the outer and inner pillars having panels transparent in part and displaying advertisements.

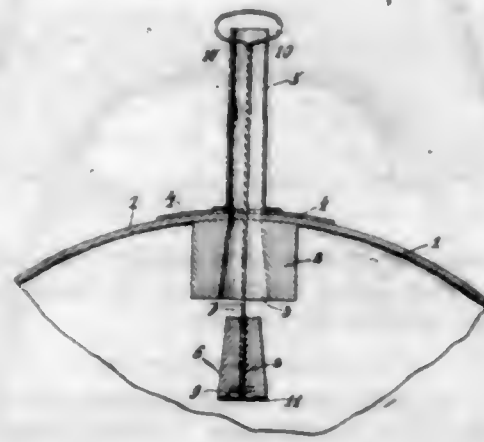
1,513,522. TROUSERS SUPPORT. JUSTIN E. ROSS, Kansas City, Mo. Filed July 19, 1923. Serial No. 652,617. 2 Claims. (Cl. 241-7.)



1. A garment supporter acting in the double capacity of supporting trousers and holding a shirt against moving out of the trousers, said trousers supporter comprising a body of sheet rubber having corrugations on the front and rear faces, reinforced openings for re-

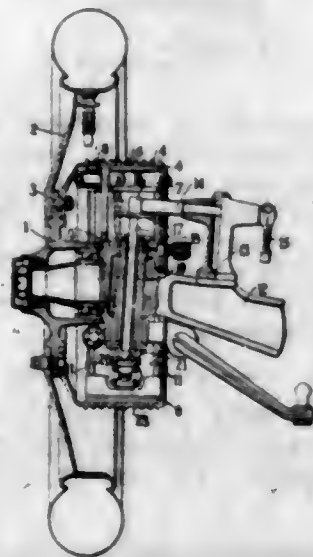
celving fastening members, and solid sections at each end for preventing buckling, said sheet of rubber being formed with a plurality of openings whereby the same is substantially foraminous.

1,513,523. VALVE FOR INFLATABLE BAGS FOR FOOTBALLS. MICHAEL ROTHMIRSCH, Vienna, Austria. Filed Nov. 28, 1923. Serial No. 677,029. 3 Claims. (Cl. 46-4.)



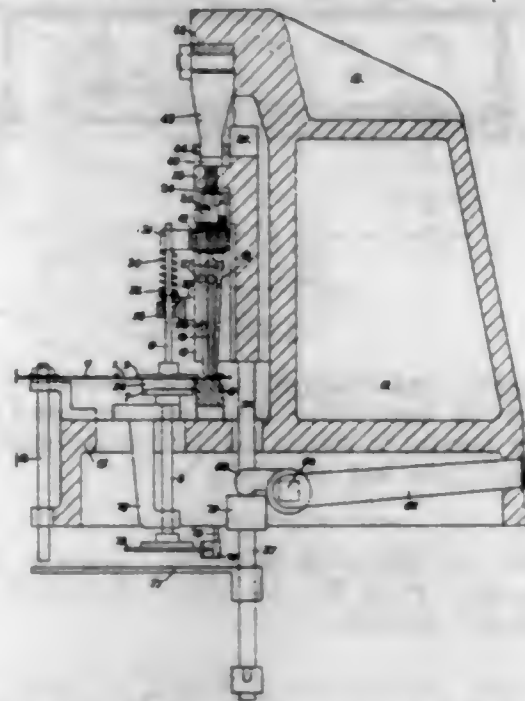
1. In a valve for inflatable bags for footballs a valve seat within the bag, a flexible tube in permanently open connection with the opening of the valve seat and leading to the outside of the bag, a valve body adapted to close the said opening in the valve seat, a cord secured to the valve body and passing through the said flexible tube and openings in the latter to the outside thereof and means on the said cord for preventing its outer end to slip into the flexible tube.

1,513,524. BRAKE MECHANISM APPLICABLE TO THE STEERING OR FRONT WHEELS OF AUTOMOBILES. ARTURO ELIZALDE ROUVIER, Barcelona, Spain. Filed Jan. 4, 1922. Serial No. 527,033. 2 Claims. (Cl. 188-194.)



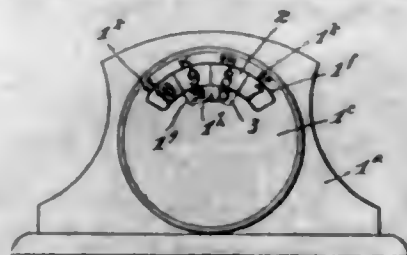
1. Brake mechanism applicable to the front steering wheels of automobiles, consisting in combination of the wheel and axle, a brake drum concentrically mounted thereon, the fixed axle of the chassis, means by which the said wheel and axle are pivotally mounted to turn upon the said fixed axle comprising a pivot pin, brake shoes mounted within said brake drum, a rod axially mounted within the said pivot pin and adapted to have an axial movement therein, means by which the said rod is connected to the brake shoes, and means by which axial movement is imparted to the said rod comprising a spindle disposed parallel with the axis of the wheel and axle, the axis of the said spindle intercepting the axis of the said rod, substantially as described.

1,513,525. OPENING MEANS OF OR FOR SHEET-METAL BOXES. FRANK EDWARD ADAMS, Lower Bebbington, England. Filed Apr. 24, 1923. Serial No. 634,337. 7 Claims. (Cl. 113-15.)



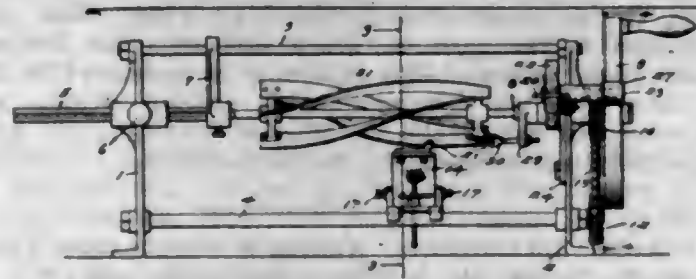
1. A machine for providing a tearable endless band in metal plates adapted to form an end of a canister for packing or containing goods, tools adapted to score or indent the plate, a vibratory tool actuating means, a slide adapted when in position between the tools and their actuating means to permit said actuating means to operate the tools, means for positively actuating the slide in one direction, and spring means for operating the slide in the opposite direction.

1,513,526. TIMEPIECE. GEORGE GAIL ALLENSBAUGH, Mansfield, Ohio, assignor of one-half to Thomas E. Taylor, Mansfield, Ohio. Filed June 16, 1921. Serial No. 477,979. 3 Claims. (Cl. 58-126.)



1. In a time-piece, a face provided with circumferentially spaced time zone indicators and hour and minute indicating sight openings of segmental form, and concentrically arranged juxtaposed annular hour and minute dials rotatable in said sight openings in cooperative time indicating relation to said time zone indicators and sight openings.

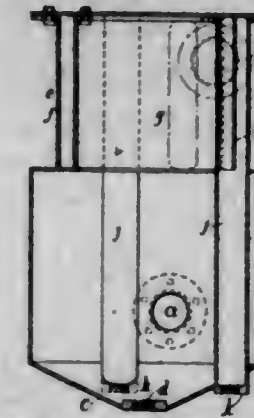
1,513,527. LAWN-MOWER SHARPENER. WILLIAM E. ARNOLD, Omaha, Nebr. Filed July 28, 1923. Serial No. 654,391. 4 Claims. (Cl. 76-82.)



1. In a lawn-mower sharpener, aligned members for supporting the rotary cutter of the motor, one of said members constituting the driver, a carriage, means on said

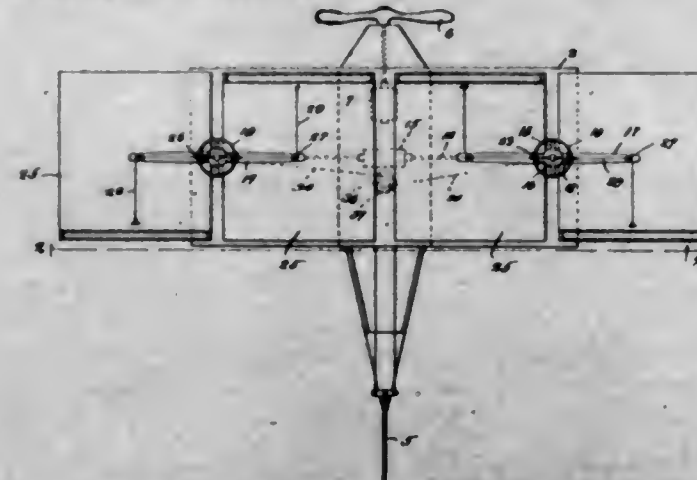
carriage for adjustably supporting the sharpening tool, a track supporting the carriage, a feed screw having connection with the said driver, and a half-nut on the carriage adapted to coact with said feed screw.

1,513,528. PRODUCER-GAS SCRUBBER. HENRY WILLIAM HAMMER, London, England. Filed Mar. 21, 1924. Serial No. 700,929. 2 Claims. (Cl. 183-82.)



1. A producer gas scrubber for automobiles comprising a vertically disposed cylindrical receptacle into the lower part of which the gas to be cleansed is led and travels therefrom into the upper part which is formed as an annular passage provided with depending baffles that terminate in tubes which pass through the lower part of said receptacle to the exterior thereof from whence accumulated dirt and dust may be removed, the cleansed gas passing completely round said annular passage to a tangentially disposed outlet provided at the top thereof substantially as described.

1,513,529. HELICOPTER. EDWARD BRATTY, Brooklyn, N. Y. Filed Nov. 5, 1923. Serial No. 672,900. 5 Claims. (Cl. 244-15.)

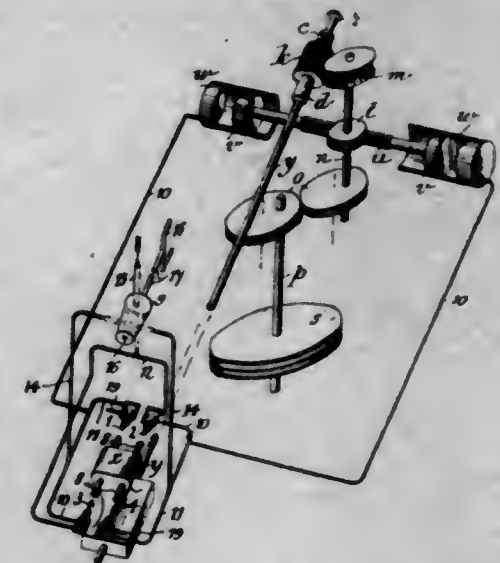


1. The combination with an aeroplane structure, of upstanding tubular shafts journaled in the side portions thereof, oppositely extending pivot shafts rotatable with each of the upstanding shafts, a pair of superposed helicopter planes pivotally mounted on each of the pivot shafts, resilient means for holding the helicopter planes normally tilted downwardly at their advancing edges, operating means slidable within the tubular shafts, and means for transmitting motion from the operating means to the helicopter planes to adjust said planes angularly against the action of their springs.

1,513,530. STEERING GEAR. HENRY EDWARD ERNEST VICTOR BLISS, Marlow, England. Filed Feb. 26, 1921. Serial No. 448,261. 4 Claims. (Cl. 121-41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

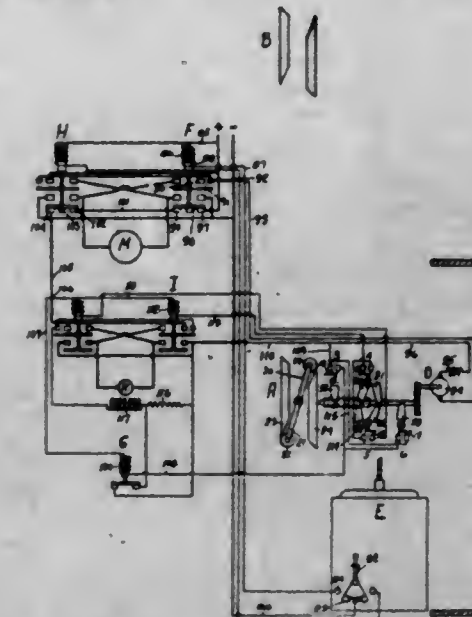
1. In a steering gear embodying a rudder shaft, with hand and motor operated mechanism therefor, the combination with valve means controlling the motor operated

mechanism of a hollow worm shaft forming part of the hand operated gearing and having a screwthreaded portion at one end, means adapted to hold said shaft against longitudinal movement, a shaft within the worm shaft, having at the end remote to the screwthreaded end of the worm shaft, means adapted to operate the valve means aforesaid, a hand wheel having a screwthreaded hub ca-



pable of rotary and axial motion in relation to the worm shaft, means connecting the valve operating shaft to the hand wheel so that it follows the axial movement of the latter, and resilient means between the hand wheel and worm shaft adapted to resist rotary movement of the hand wheel in relation to the worm shaft and consequent operation of the valve means until after a predetermined effort is manually transmitted to the rudder shaft.

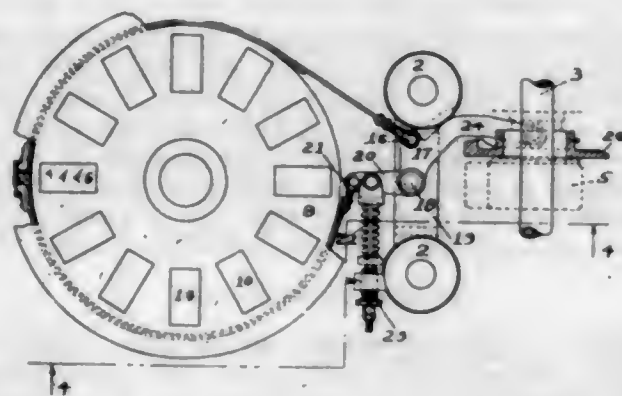
1,513,531. SELF-LEVELING ELEVATOR. JOHN E. BOYCE, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 14, 1923. Serial No. 618,897. 18 Claims. (Cl. 187-29.)



18. In a self-leveling electric elevator, the combination of the car, the hoisting machine, the car switch, the leveling apparatus comprised of two self closing leveling switches, one for up and the other for down direction of car travel, two movable members each having two leveling switch operating arms; one arm of each member associated with one and the same switch and the other arm of each member associated with the other switch, one arm of each member adapted to hold open the leveling switches during the time the car switch controls the elevator, means controlled by the car switch to move the members to cause the arms to hold the leveling

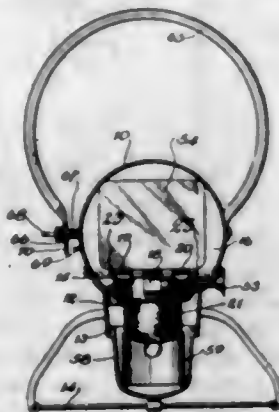
switches open until the car switch is brought to its "off" position, and two roller arms for the leveling switches and devices in the shaft adapted to engage the roller arms, one roller arm at a different time from the other roller arm, and allow one of the arms which hold the leveling switches open to move to allow one of the leveling switches to close to level the car with the desired floor landing, and thereafter the roller arm for the closed leveling switch to become disengaged from its co-operative device in the shaft to allow the other arm associated with the said closed switch to move to open that switch to stop the car level with the floor landing, but if said roller arm upon disengagement from its cooperative device in the hatchway fail to move to allow the arm associated with the closed switch to open the switch to stop the car, then the other roller arm to engage its cooperative device in the hatchway and move the arm which allowed the switch to close but now to serve to open the switch and stop the car.

1,513,532. BRAKE MECHANISM FOR INTERMITTENTLY-MOVING PLATENS. EDGAR D. CHURCH, Saginaw, Mich., assignor to Jackson & Church Co., Saginaw, Mich., a Corporation of Michigan. Filed Jan. 11, 1924. Serial No. 685,656. 2 Claims. (Cl. 25-66.)



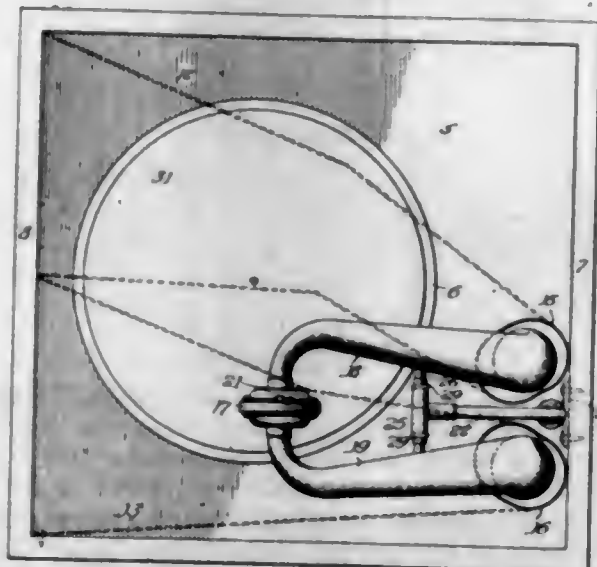
1. In a brick press including a revoluble main shaft and a revoluble platen operatively connected, a brake band on the rim of the platen, a lever pivoted at one end to a fixed support and pivotally secured at its other end to one end of said brake band, a spring normally applying pressure to said lever tending to set said brake band, and a cam adapted to engage said lever to compress said spring and thereby release the brake, said cam mounted on said main shaft.

1,513,533. LANTERN. CLARENCE L. COBE, Baltimore, Md., assignor to Benjamin Lipschutz, Atlantic City, N. J. Filed June 2, 1923. Serial No. 642,972. 9 Claims. (Cl. 240-8.5.)



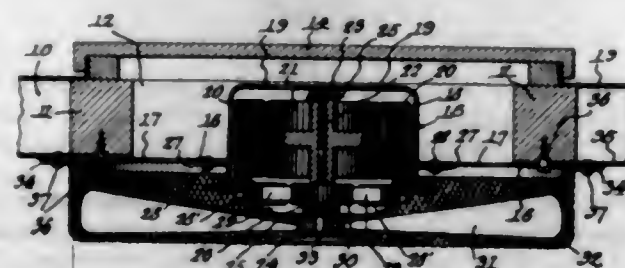
1. In an electric lantern the combination with a container of a battery in the container, an incandescent lamp, a rotary switch means to control connections between the battery and lamp, a transparent cylinder encircling the lamp and arranged to be raised or lowered with respect to said lamp and means extending through and movable with respect to the rotary switch means to hold the transparent cylinder in one of its two positions.

1,513,534. PHONOGRAPH. ERNST A. COUTURIER, LaPorte, Ind. Filed July 11, 1921. Serial No. 483,696. 2 Claims. (Cl. 274-23.)



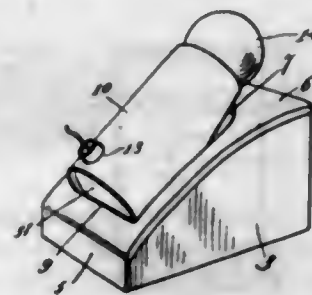
1. In a phonograph, the combination of a sound box, a pair of sound conveying tubes connected at opposite sides of said sound box, said connection permitting rotative movements of the box relatively to said tubes, a cross connecting rod rigidly connecting said sound tubes together intermediate their ends, a supporting arm pivotally mounted between and rearwardly of said tubes, a pivotal connection between the free end of said arm and said rod, and amplifying means loosely surrounding the ends of said tubes but free from contact therewith into which the sound waves emanating from said sound box are delivered by said sound conveying tubes.

1,513,535. AUTOMOBILE FAN DEVICE. LEE R. CRUMB, New Berlin, N. Y. Filed Dec. 5, 1923. Serial No. 678,727. 9 Claims. (Cl. 230-1.)



1. A fan device for use in the top structure of an automobile, such top structure embodying inner and outer walls and a frame between the walls, a housing for insertion between the walls and having a relatively wide plate extending about and beyond its margin, said plate having air circulating openings formed therein, means for securing the plate to the frame, a field winding mounted within the housing, an armature within the field winding, a substantially vertical armature shaft carrying the armature and extending downwardly beyond the same, a support member connected with the lower end of the housing and carrying an end thrust bearing for the armature shaft, means for supplying current to the armature, a fan secured to the lower end of the armature shaft outwardly of the support member, and a guard covering the fan.

1,513,536. TOY MORTAR. ARTHUR C. DEAN, Norwood, Ohio. Filed Aug. 14, 1923. Serial No. 657,424. 1 Claim. (Cl. 42-55.)



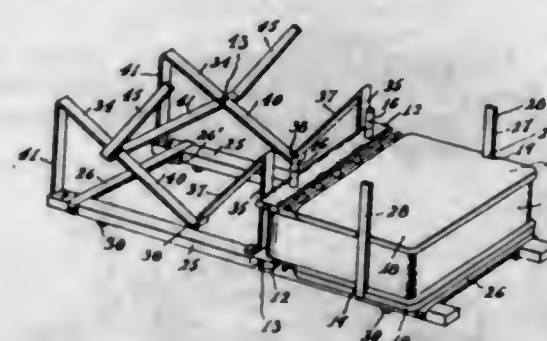
A fire cracker mortar comprising a sheet metal tube open at one end, and having a fire cracker hole near the other end, a closure for the said other end comprising a disk having a flat step therein so set as to be located opposite the said hole, to form a shoulder on which a fire cracker will rest, said disk being mounted in the said other end of the mortar, as and for the purpose described.

1,513,537. LOOSE-LEAF BINDER. BERNARD R. DUTCHER, New York, N. Y., assignor to Graham-Chisholm Company, New York, N. Y., a Corporation of New York. Filed Jan. 21, 1921. Serial No. 438,933. 12 Claims. (Cl. 129-12.)



1. In combination, a locking binder member and a retaining binder member provided with orifices; posts passing through said orifices; and heads on both ends of said posts, the heads at one end of both posts being of larger diameter than the posts and pointed.

1,513,538. LOOSE-LEAF BINDER AND SUPPORT THEREFOR. BERNARD R. DUTCHER, New York, N. Y., assignor to Graham-Chisholm Company, New York, N. Y., a Corporation of New York. Filed Jan. 21, 1921. Serial No. 438,934. 16 Claims. (Cl. 129-1.)

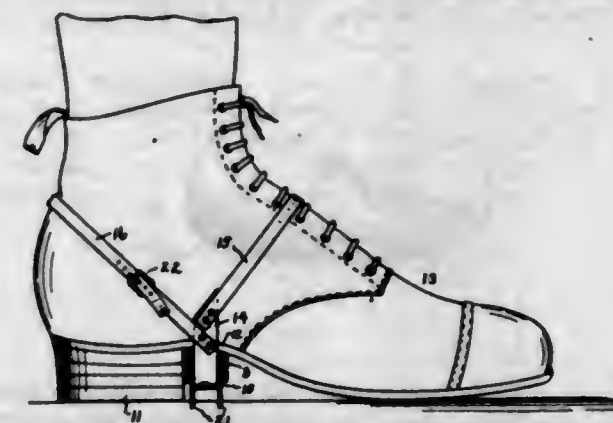


3. In combination, a support; upstanding guides at the sides of the support; and a binder having edge means loosely receiving said guides.

1,513,539. ANTISLIPPING DEVICE. BRANTLEY EAST, Omaha, Nebr. Filed July 25, 1923. Serial No. 653,817. 1 Claim. (Cl. 36-63.)

In anti-slipping device, the combination with a holder-strip for a mounting on the shoe, of an elastic block for engaging that part of the shoe below the shank, said

block having a groove opening on its top between its sides and having projections extending from its bottom, and a metallic plate provided with slots and having de-



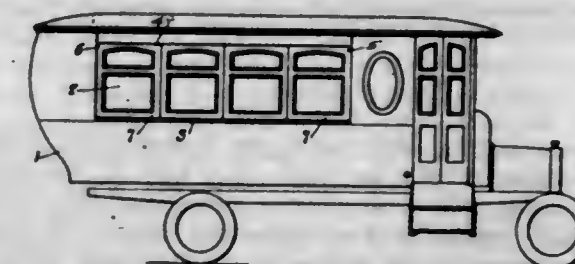
pending projections and provided with apertures and receiving the projections of said block, said holder-strip being movably mounted in the slots of said plate and engaging in the groove of said block.

1,513,540. PROCESS IN THE MANUFACTURE OF METAL SIGNS, TABLETS, ETC. HERMAN C. EGGERT, Indianapolis, Ind. Filed Feb. 12, 1923. Serial No. 618,726. 2 Claims. (Cl. 41-18.)



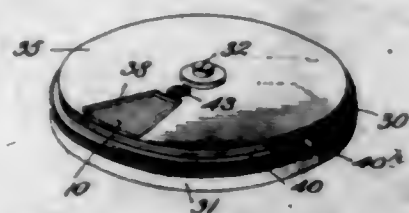
1. The method herein described of forming metal signs and tablets by the electrotyping process with a surface imitation of etching, consisting in preparing the form and matrix, impressing a sanded body into the matrix, and then impressing the form in the matrix, and producing the final product by electrotyping from said matrix.

1,513,541. VEHICLE BODY. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 28, 1921. Serial No. 481,119. 4 Claims. (Cl. 294-47.)



1. A vehicle body having an open postless space extended throughout the major portion of the length of the body and provided with sash ways at the top and bottom thereof, and having a sash pocket contiguous with each end of said postless space, with sash guides therein contiguous with the guides in the space, a plurality of sashes adapted alternately to occupy said space and close it and to occupy said pockets, some in each pocket, and sash retaining spring devices, one of which devices being positioned at each end of said open space and detachably engageable with the end edge of the respective end sashes, when all the sashes are positioned edge to edge in said open space.

1,513,542. METHOD AND APPARATUS FOR DETERMINING THE AMOUNT OF OXYGEN COMBINED WITH THE HEMOGLOBIN OF BLOOD. PALUEL J. FLAOC, Flushing, N. Y. Filed Jan. 17, 1922. Serial No. 530,008. 10 Claims. (Cl. 88-14.)



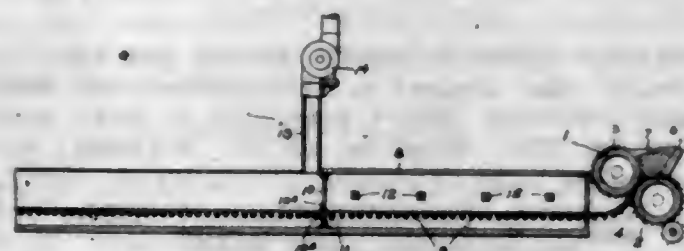
1. A method of measuring the oxyhemoglobin content of the circulating blood by comparing the blood with a standard color scale having indicia giving the values of oxyhemoglobin unsaturation for the various color divisions ascertained by quantitative chemical determination.

1,513,543. STUFFING OR FILLING FOR BOXES AND THE LIKE. OSCAR H. FRITSCH, New York, N. Y. Filed July 14, 1919. Serial No. 310,621. 6 Claims. (Cl. 154-54.)



4. A box filling consisting of a number of superimposed cellulose sheets, a backing layer therefor, and depressions formed in the cellulose sheets adapted to stiffen and hold the sheets together.

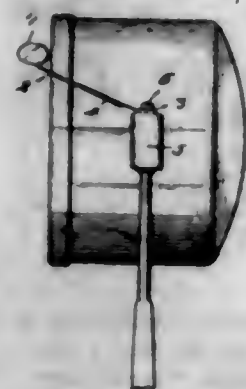
1,513,544. PROCESS AND APPARATUS FOR FORMING AND ANNEALING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Jan. 23, 1922. Serial No. 531,055. 6 Claims. (Cl. 49-3.)



5. In combination with means for forming and feeding ahead a ribbon of plastic glass, of a leer in line therewith provided with rollers for advancing the ribbon therethrough, baffle means extending from the upper side of the glass to the ceiling of the leer and from the lower side of the glass to the floor of the leer for dividing the leer into an annealing end and a cooling end, and means to cause the rapid cooling of the ribbon during its last period of travel through the leer.

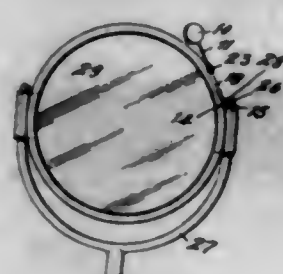
1,513,545. ILLUMINATION INDICATOR FOR LAMPS. HENRY A. GERKEN, New York, N. Y. Filed Nov. 21, 1922. Serial No. 602,411. 1 Claim. (Cl. 240-40.) An indicator for automobile headlights, said indicator being formed of a single piece of sheet material and comprising a shank, the lower end of which has an apertured foot and the other end of which has a reflecting

surface, the intermediate portion of the shank being provided with a longitudinal stiffening rib, the said sheet material being of such character and thickness



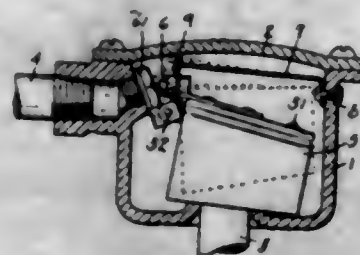
that the indicator may be bent or twisted to vary the angular adjustment of the shank and the reflecting surface.

1,513,546. ILLUMINATION INDICATOR FOR LAMPS. HENRY A. GERKEN, New York, N. Y. Filed May 7, 1923. Serial No. 637,251. 2 Claims. (Cl. 240-46.)



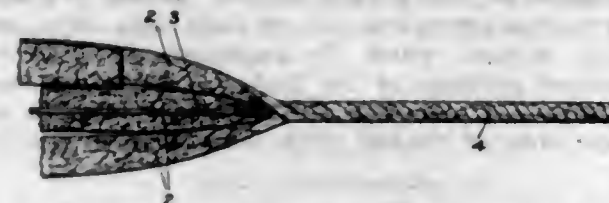
2. In combination, an automobile headlight, a mounting for the headlight including a fastening member, and an illumination indicator mounted on said member, said indicator comprising a two-part shank, one part having an obliquely-disposed apertured foot for mounting the shank on the fastening member so as to support the indicator in front of the headlight, the opposite end of the other part having a reflector, the adjacent ends of the parts of the shank being in the form of two telescoping elements capable of relative rotary and sliding movement whereby the length of the shank and the angular position of the reflector may be varied.

1,513,547. STEAM TRAP. LEONARD D. GOFF, Three Rivers, Mich., assignor to Armstrong Machine Works, Three Rivers, Mich. Filed Apr. 23, 1923. Serial No. 634,000. 2 Claims. (Cl. 236-59.)



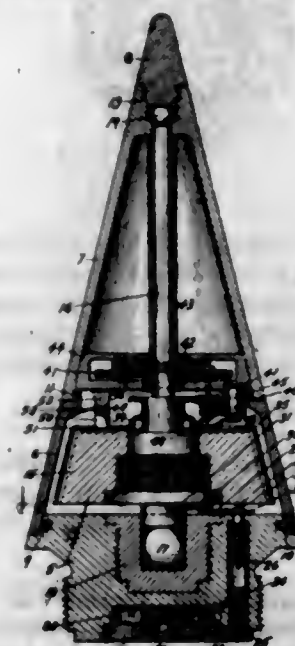
1. In a steam trap, the combination of a main casing, an outlet valve therefor, a float connected to said valve adapted to rise and fall and open the valve when water is present, a thermostatic metal catch connection for holding said float until deflected by the heat coating as specified.

1,513,548. PACKING AND METHOD OF MAKING THE SAME. CHARLES C. HALL, Kalamazoo, Mich. Filed July 16, 1923. Serial No. 651,882. 19 Claims. (Cl. 154-45.5.)



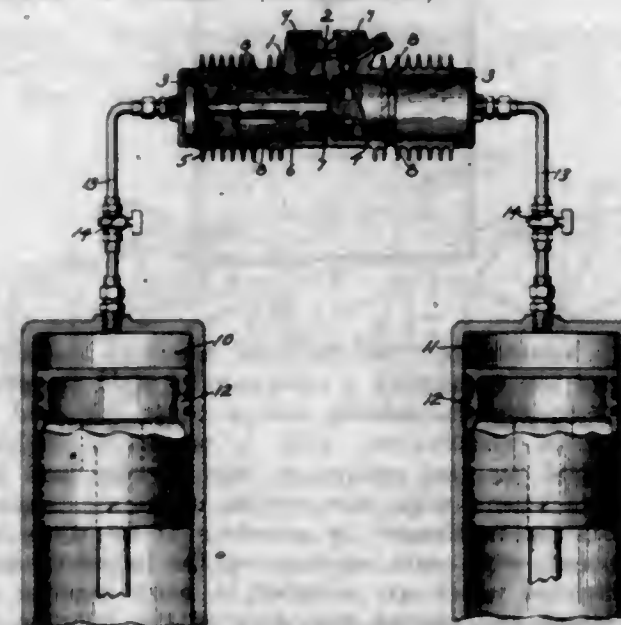
1. A packing comprising strips of sheet lead, sheet aluminum and sheet copper of substantial width, coated with lubricant and spirally twisted into a strand, and compacted.

1,513,549. PROJECTILE FUSE. WILFORD J. HAWKINS, Montclair, N. J. Filed June 18, 1921. Serial No. 478,503. 12 Claims. (Cl. 102-36.)



8. In a projectile fuse, the combination with a casing, of a rotational inertia member, and firing mechanism including sear disk reduction gearing interposed between said casing and said member and controlled by their differential angular velocity and including a clutch member constantly in mesh with the sear disk reduction gearing and operatively connected with said inertia member by set back.

1,513,550. AIR COMPRESSOR. WILFORD J. HAWKINS, New York, N. Y. Filed Apr. 6, 1922. Serial No. 549,963. 2 Claims. (Cl. 230-27.)

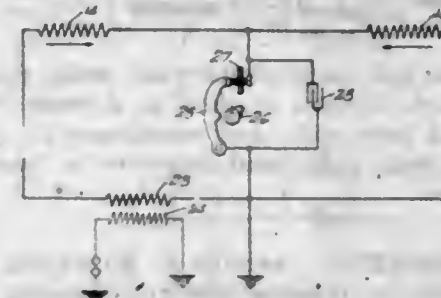


1. The combination with an air compressor cylinder having a central partition and two heads, of two pistons working in said cylinder one on either side of said parti-

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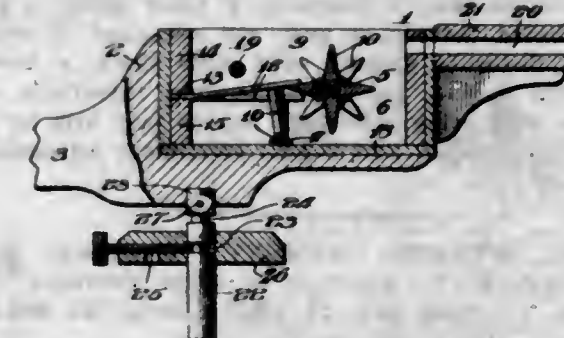
tion, a rod working through said partition and connecting said pistons, air intakes in the cylinder wall distant from said partition, valve controlled air outlets in the cylinder wall adjacent said partition, and alternating means for establishing pressure in one end of the cylinder and suction in the other end.

1,513,551. MAGNETO. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,989. 5 Claims. (Cl. 123-148.)



1. In combination, a pair of magneto generating windings, a transformer comprising primary and secondary windings, a closed circuit including said magneto generating windings and said primary, a conducting bridge across said circuit, said bridge including interrupter contacts which, when closed, establish two current paths, one of which includes one of the generating windings and said bridge, the other path including the other generating winding, the transformer primary and said bridge, means for creating currents in said generating windings which simultaneously traverse said conducting bridge in the same direction, and means for opening said contacts, whereupon the current created in each generating winding tends to traverse the primary and the other generating winding, in opposition to the current created in such other generating winding.

1,513,552. RAPID-FIRE TOY MACHINE GUN. FIORE IADAROLA, Philadelphia, Pa. Filed Sept. 18, 1922. Serial No. 589,006. 2 Claims. (Cl. 46-46.)

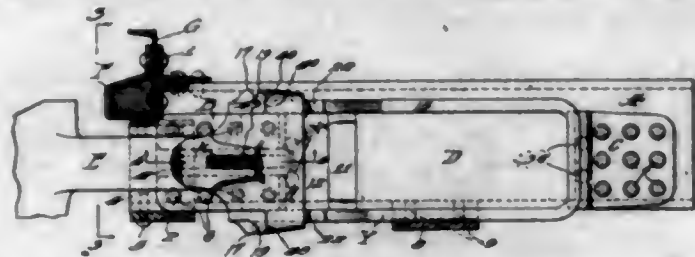


1. In a rapid fire toy machine gun, a gun body, a sounding chamber therein, a shaft extending transversely therethrough, a plurality of star wheels having their points arranged in staggered order, a plurality of resilient strips having their rear ends fixed and their free ends adapted to be raised by the rotation of said star wheels, upper and lower aligning blocks for securing the fixed ends of said strips immovably in position, pendant hammers on the free ends of said strips, a transverse sounding strip on the bottom of said chamber and adapted to be impacted upon by the bottoms of said hammers, and sound exits at the side and front of said sounding chamber.

1,513,553. FORGED-STEEL DRAFT-RIGGING ATTACHMENT. CARL RICHARD JERNBERG and MODESTA ANDREW METZGER, Chicago, Ill., assignors to Standard Forgings Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 30, 1921. Serial No. 456,985. 7 Claims. (Cl. 213-70.)

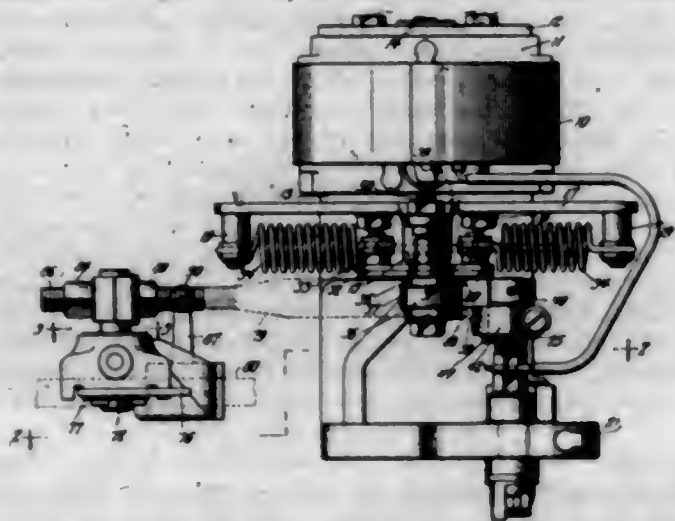
1. A draft rigging attachment comprising a U-shaped yoke of forged metal, the inner faces of its two arms

being straight and parallel throughout, said yoke being adapted to embrace a gear unit, the free ends of said arms extending beyond the forward end of said unit, an integral, transverse, outwardly projecting shoulder flange



on each of the free ends of the yoke arms, two forged metal yoke head members adapted to embrace a coupler shank and said yoke ends, and complementary, interlocking means on said yoke head members to engage said shoulder flanges.

1,513,554. MAGNETO. ARTHUR C. KLECKNER, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 23, 1922. Serial No. 538,492. 8 Claims. (Cl. 123-149.)



1. In combination, a magneto, a rotor shaft, a push finger mounted thereon, a push rod arranged to engage said push finger to actuate said rotor shaft, a moving part of the engine, an arm extending therefrom, and means for connecting said push rod to said arm to permit both longitudinal and lateral rectilinear adjustments of said rod.

1,513,555. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor to Kops Brothers, New York, N. Y. Filed Nov. 21, 1922. Serial No. 602,325. 5 Claims. (Cl. 2-42.)



1. An apparel garment comprising a bust member adapted to extend around the body and to be secured in position thereon, a hip, thigh and abdomen member also adapted to extend around the body and be adjusted to position thereon, the said members completely covering the body from substantially the bust to the thighs

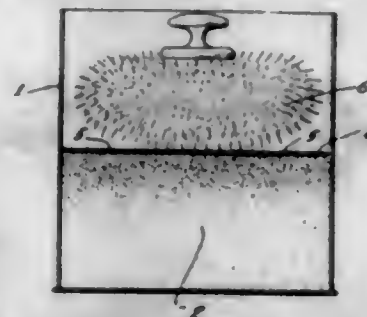
and the lower edge of the hip, thigh and abdominal member being similarly cut away at the front thereof and also at the sides to conform to the upper side portions of the limbs of the wearer and to provide V-shaped sections in the lower edge of the said hip, thigh and abdominal member which lie approximately over the front central portions of the limbs of the wearer, and drawers members connected at their upper edges to the said lower edges of the hip, thigh and abdominal member.

1,513,556. DISH MOP. LOUIS V. LUCIA, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 25, 1922. Serial No. 584,252. 3 Claims. (Cl. 15-206.)



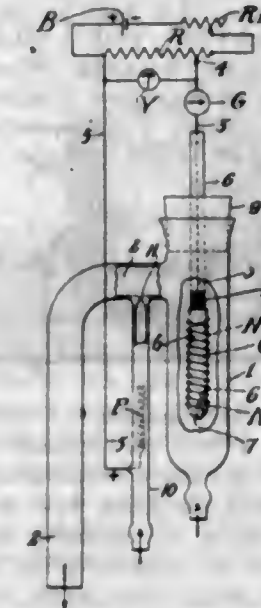
1. A structure comprising strands of wire twisted together to secure mop material therebetween, the ends of said strands being pointed and beveled in opposite directions for spreading purposes, and a handle into which said pointed ends are driven with the points embedded in the handle.

1,513,557. POWDER-RETAINING DEVICE FOR TOILET-POWDER BOXES. CORA ELIZABETH NASH, Bronx, N. Y. Filed June 24, 1924. Serial No. 722,060. 3 Claims. (Cl. 132-82.)



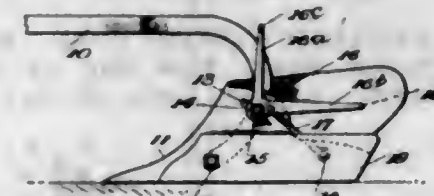
1. An assembly of the character described embodying a powder box comprising a substantially rigid receptacle adapted to contain powder and a cover for said receptacle, in combination with a perforated, follower loosely laid on the surface of said powder and free from attachment with the powder container whereby said follower is adapted to gravitate at all times into engagement with said surface of the powder, small quantities of which are adapted to work through the perforations and around the edges of the follower and rest upon the upper surface of the follower from which said small quantities of powder can be removed by a puff.

1,513,558. METHOD OF AND APPARATUS FOR DETERMINING ION CONCENTRATION. HENRY C. PARKER, Philadelphia, Pa., assignor to Leeds & Northrop Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 16, 1924. Serial No. 713,683. 30 Claims. (Cl. 204-1.)



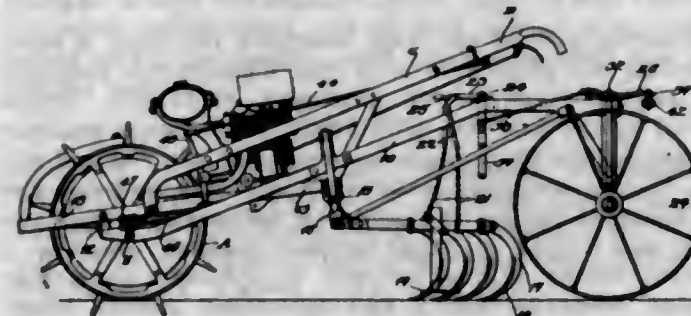
1. In the production of an electro-motive-force representative of the concentration of hydrogen ions in a solution, the method which comprises effecting in said solution in contact with an electrode a substantially constant and definite concentration of oxidant.

1,513,559. PLOW. JOSEPH NICHOLAS PARKER, Bedford City, Va. Filed Dec. 2, 1919. Serial No. 341,889. 3 Claims. (Cl. 97-1.)



1. In a plow, a beam having a downwardly extending portion, a plowshare pivotally mounted on the lower end of said portion of the beam, and means under the control of the plowman for swinging the plowshare without stopping the plowing operation to cause it to run deeper or shallower.

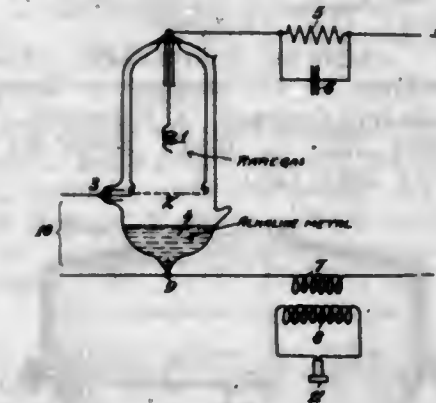
1,513,560. RIDING-SULKY TRACTOR IMPLEMENT. JOSEPH N. PARKER, Bedford City, Va. Filed Sept. 1, 1920. Serial No. 407,335. 1 Claim. (Cl. 97-47.)



An implement of the character described comprising a frame having forwardly converging side bars, a tractor disposed between the converged ends thereof, a frame for said tractor, supporting connection from said side bars to said tractor frame at the rear end thereof, the rear end of said tractor frame being arranged, with said supporting connection, to form a transverse connection between said side bars, rearwardly disposed transverse connecting bars between said side bars, car-

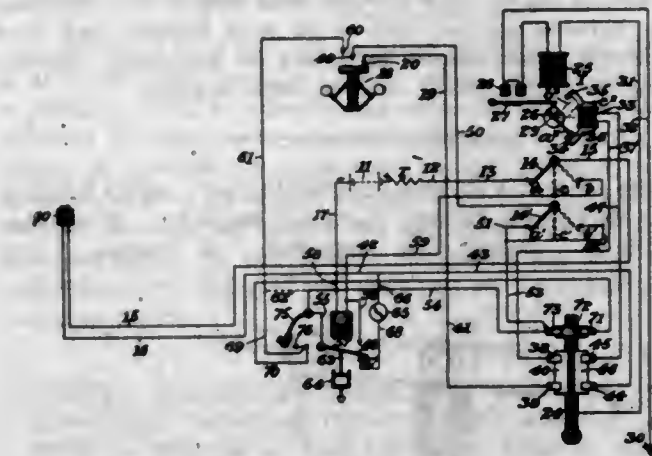
rying wheels at the rear of said frame, steering mechanism therefor journaled on one of said transverse connecting bars, all of said transverse connecting members being adjustable for varying the spread of said frame, and tractor steering mechanism independent of said carrying wheel steering mechanism, and supported above said frame.

1,513,561. GAS RELAY. FRITZ SCHROTER, Schmargendorf, near Berlin, Republic of Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a German Corporation. Filed Oct. 5, 1920. Serial No. 414,934. 3 Claims. (Cl. 250-27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an electric gas relay the combination with an evacuated vessel of an anode, a grid, a cathode consisting of alkaline metal and a gaseous medium consisting of an inert gas enclosed in said vessel.

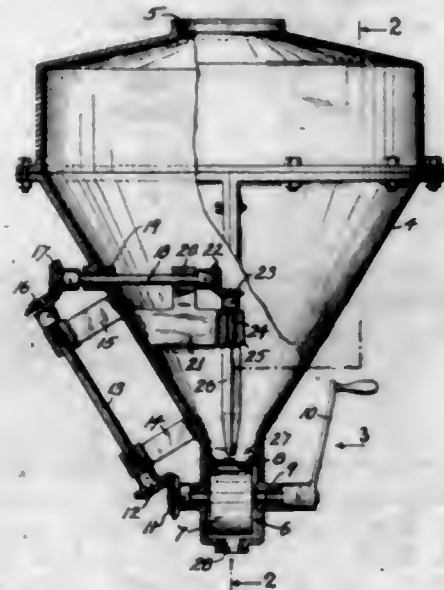
1,513,562. TRAIN-CONTROL SYSTEM. ARCHIBALD G. SHAYER and BENJAMIN W. MEISEL, Chicago, Ill., assignors to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 6, 1923. Serial No. 673,087. 17 Claims. (Cl. 246-182.)



7. A manual-automatic speed control system for vehicles, comprising vehicle carried mechanism including an electrically operated device, a make and break indicating means operable into a "clear" or "non-clear" position, a speed controlled contact mechanism, a normally operative circuit for the device controlled by the indicating means in "clear" position, a second and normally inoperative circuit for the device controlled by the contact mechanism and the make and break indicating means in "clear" or in "non-clear" position, the said second circuit being operable so that when the indicating means is operated from its "clear" to its "non-clear" position or is in the "clear" or "non-clear" position and the speed of the vehicle is reduced from a speed above to a speed at or below a permissive speed, the circuit is in a condition to be operated by interven-

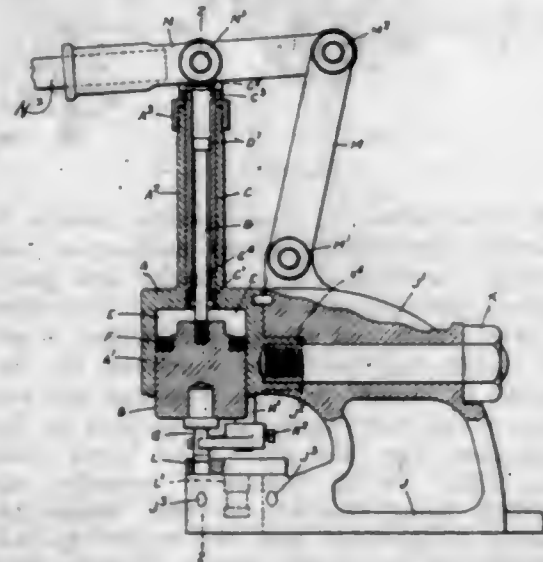
tion of the engineman to maintain the normal operation of said device upon a change of the indicating means to "non-clear" position but without such intervention will remain inoperative so that the change of the indicating means to the "non-clear" position will automatically operate the device to reduce the speed of the vehicle, such automatic operation persisting regardless of the subsequent decrease of speed of the vehicle below the said permissive speed, manual means under control of the engineman for operating the said second circuit when the speed of the vehicle has been reduced to or below the said permissive speed so as to permit vehicle movement at or below such speed, and roadside mechanism intermittently effective for operating the indicating means to its "clear" or "non-clear" positions.

- 1,513,563. CARBIDE DISPENSER. ELDERON D. SMITH, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Jan. 12, 1924. Serial No. 685,819. 3 Claims. (Cl. 221-120.)



1. A carbide dispenser comprising a hopper, a measuring device below said hopper, and means for breaking up the carbide at the bottom of said hopper and over said device said means including a polygonal spindle rotating on the vertical axis of said hopper.

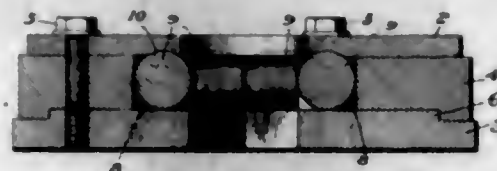
- 1,513,564. VALVELESS HYDRAULIC APPARATUS. ERIC MONTAGUE SMITH, Saltford, England. Filed May 19, 1922. Serial No. 562,050. 3 Claims. (Cl. 138-10.)



1. Valveless hydraulic apparatus comprising two coaxial cylinders of different bore, arranged in prolongation of, and freely open to, each other to form a common

space for the hydraulic fluid, a liquid-tight ram operating within the larger bore, a hollow liquid-tight plunger operating within the smaller bore, means arranged within and co-operating with said plunger for positively retracting the ram and means for reciprocating said plunger.

- 1,513,565. APPARATUS FOR SHAPING SHEET-METAL ARTICLES. WILLIAM WARREN SOMERSALL, Natick, Mass., assignor to New England Pressed Steel Company, Natick, Mass., a Corporation of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,783. 4 Claims. (Cl. 153-28.)

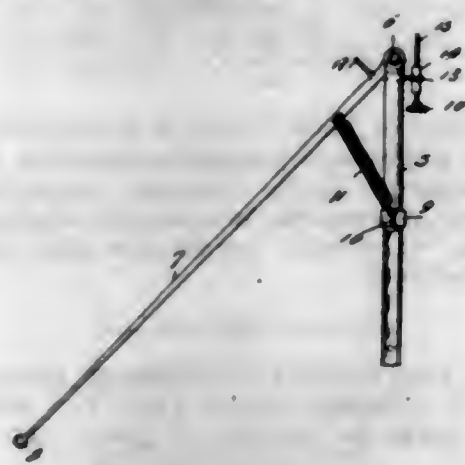


1. A die for the cold shaping of hollow sheet metal articles, comprising a roll for shaping one face of the work, additional die members cooperating with said roll to support it and shape the work, said members including stationary parts located at opposite ends of said roll having faces curved to substantially merge with the surface of the roll where the work comes in contact with it.

- 1,513,566. ALUMINA COAGULANT. HUGH MCCURDY SPENCER, Newark, N. J., assignor to Seydel Chemical Company, a Corporation of New Jersey. Filed Oct. 10, 1922. Serial No. 593,640. 32 Claims. (Cl. 210-23.)

1. An improved coagulant for clarifying aqueous liquids comprising a liquid containing hydrated alumina in a peptized state.

- 1,513,567. AUTOMATIC FISHING POLE. ERAPHIA A. SWIHART, Topeka, Kans. Filed Mar. 12, 1923. Serial No. 624,397. 1 Claim. (Cl. 43-15.)

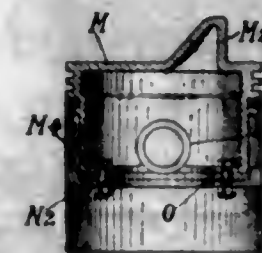


A fishing pole of the class described including a base, a flexible rod pivoted to said base adapted for positioning slightly forward of alignment therewith, means carried by the base for determining the forward position thereof, and resilient means connected to the rod and the base in line with the pivot when the base and rod are in alignment for moving said rod rearwardly about the pivot and holding it in its forward position, whereby a forward flexing of the rod will be followed by a subsequent rearward flexing and movement thereof about the pivot for moving the line of pull of the resilient means to the rear of the pivot.

- 1,513,568. PISTON FOR USE IN FLUID-PRESSURE ENGINES. ERNEST TALBOT, Lowestoft, England. Filed May 31, 1922. Serial No. 564,813. 1 Claim. (Cl. 74-108.)

In a piston, the combination of a head part carrying packing rings, an extension of said head part having

a diameter less than the diameter of said head part, a radial flange around said extension, a body part in the form of a sleeve constituting the bearing element of the piston, an inwardly directed radial flange around the interior of said body part and located intermediate of its ends, adapted to connect with said flange upon said head part, one end of said body part encircling said ex-



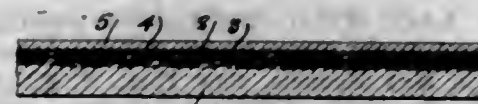
tension leaving an annular space between and having its end faces adjacent the end face of said head part, an intermediate member constituting a distance piece interposed between said flanges of said head part and said body part, fastenings connecting said flanges and said distance piece, and a packing ring mounted in said extension to bear against the inner periphery of said body part, substantially as set forth.

- 1,513,569. CLOTHES DRIER. GEORGE G. THIBEAUD, Portland, Me. Filed Nov. 17, 1921. Serial No. 515,766. 1 Claim. (Cl. 68-34.)



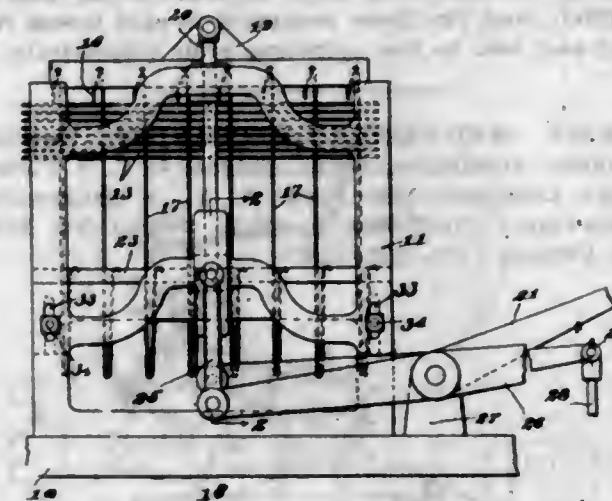
In a clothes drier, the combination of a vertical guide, a slide mounted thereon, a bracket secured to said slide, a lifting rod to raise and lower the bracket, a hollow casing having a vertical opening therethrough for the passage of said rod, a catch having an opening for the passage of said rod slightly larger than the rod pivotally connected at its inner end to said hollow casing and a spiral spring for holding said catch downward and in a locking position.

- 1,513,570. METHOD OF MAKING LAMINATED STRUCTURES. FRANK V. TISCHER, Dayton, Ohio, assignor to The Bocol Company, Dayton, Ohio, a Corporation of Ohio. Filed Aug. 16, 1923. Serial No. 657,813. 4 Claims. (Cl. 154-2.)



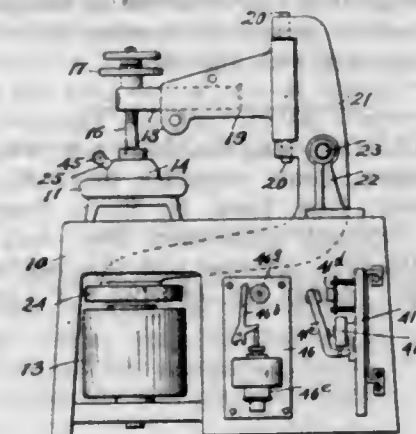
1. In a method of joining articles to one another, providing a supporting body which is relatively porous, permitting a coagulant to be absorbed and dried thereon and therein, applying a coating of glue, and applying a second body thereto.

- 1,513,571. JACQUARD LOOM. JOSEPH VIETZE, Hyde Park, Mass. Filed June 2, 1923. Serial No. 642,997. 2 Claims. (Cl. 139-59.)



1. In a device of the kind described, the combination of a frame, a grate frame mounted for reciprocation in a vertical plane in said framework, and a safety bar adjustably mounted in the framework and adapted to be engaged by, and limit, the downward movement of the grate frame.

- 1,513,572. PRESS. OTTO G. VOSS, Cleveland, Ohio. Filed Dec. 26, 1916. Serial No. 138,714. 9 Claims. (Cl. 68-9.)



1. In a press, a pair of pressing members, one of which is movable with respect to the other, means for causing a pressing action between the same for a predetermined interval of time, said means comprising a motive device which is operatively connected to the movable pressing member, means by which energy may be supplied to said motive device, and means for automatically causing the de-energization of the motive device at the end of said predetermined interval of time so as to terminate the pressing action.

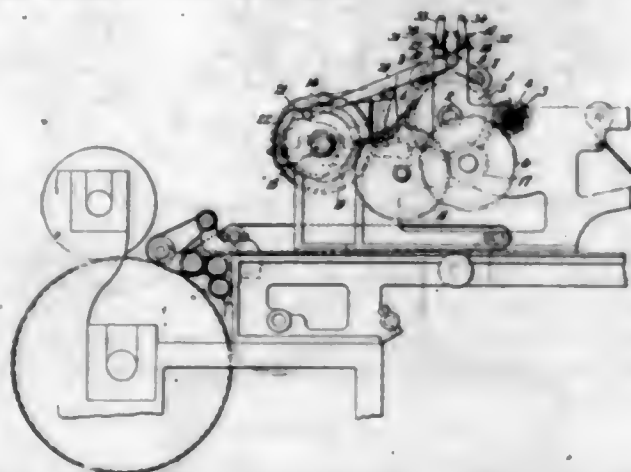
- 1,513,573. BALING PRESS. JESSE ALEXANDER, Clinton Township, Vermillion County, Ind., assignor of one-third to William J. Hollingsworth, Clinton Township, Ind. Filed Mar. 24, 1922. Serial No. 546,497. 4 Claims. (Cl. 100-7.)



1. A baling-press including a baling-chamber having a longitudinal slot in its bottom, two hoppers spaced apart on the top of the baling-chamber, a rammer in the baling-chamber and having a lug on its bottom extending through said slot, the rammer being movable under the hoppers alternately and having two bosses fixed on its top, operating means for the rammer connected with said lug, two arch bars supported by the two hoppers, two shafts relatively supported by the arch bars, two feeder arms secured to one of the shafts to operate in one of

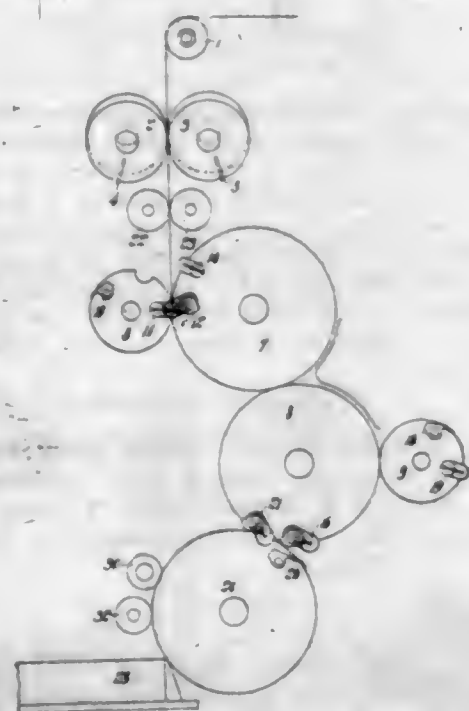
the hoppers, two feeder arms secured to the remaining one of the shafts to operate in the opposite one of the hoppers, two operating arms secured to the shafts respectively, and two links connected to said bosses respectively and also to the operating arms respectively.

1,513,574. WEB-FEEDING MECHANISM. HOWARD M. BARBER, Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 9, 1922. Serial No. 599,897. 21 Claims. (Cl. 271-2.1.)



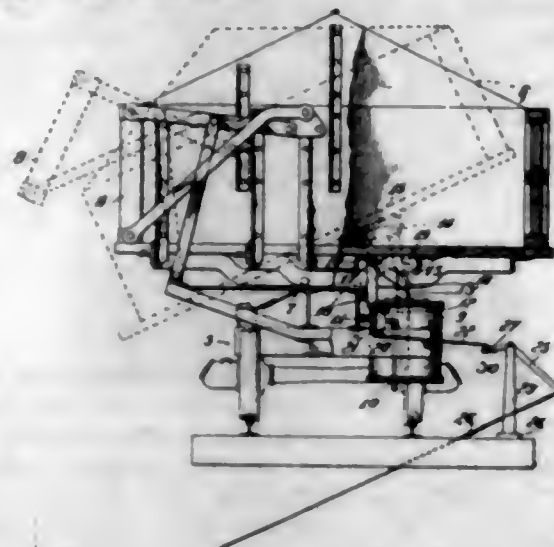
1. Web feeding mechanism comprising, a feed drum, a pair of pressure feed rollers normally contacting therewith, and automatic means for moving the rollers alternately out of contact with the drum.

1,513,575. FOLDING MECHANISM. HOWARD M. BARBER, Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Original application filed July 13, 1921, Serial No. 484,387. Divided and this application filed Oct. 2, 1923. Serial No. 606,131. 4 Claims. (Cl. 270-72.)



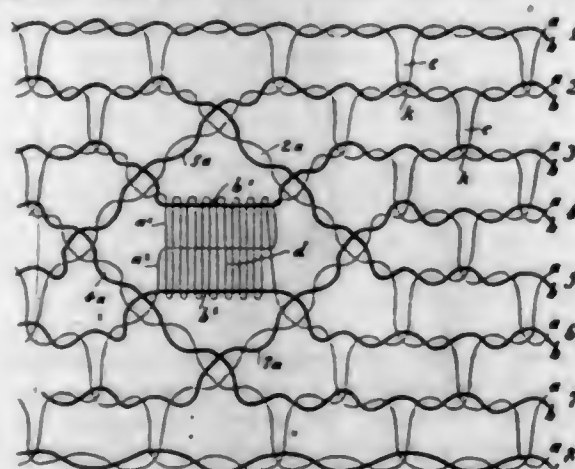
1. In a sheet folding machine, mechanism operative to make three parallel cross folds including two pairs of rotary folding cylinders, one cylinder of the first pair having a folding blade and the other cylinder having one set of jaws to coact therewith and also having a single folding blade, one cylinder of the second pair having a single folding blade and the other cylinder having one set of jaws to coact therewith and another set of jaws to coact with the folding blade on the second named cylinder of the first pair.

1,513,576. MEANS FOR DUMPING CARS. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Jan. 19, 1923. Serial No. 613,596. 10 Claims. (Cl. 214-64.)



1. In combination, a side-dump car, a fluid-pressure cylinder, a piston and piston-rod therein, valve mechanism for controlling the admission of fluid under pressure to the cylinder to move said piston-rod toward the car body for tilting said body, a bar adapted by movement in one direction to actuate said valve mechanism to admit fluid under pressure to the cylinder, and manually-controlled means mounted at one side of the track on which the car stands for moving said bar.

1,513,577. LACE WITH NET OR TULLE-LIKE GROUNDWORK. EMIL BENTE and PAUL STEUHMANN, Barmen, Germany, assignors to Max Henkels, New York, N. Y. Filed Dec. 27, 1922. Serial No. 609,269. 4 Claims. (Cl. 96-24.)

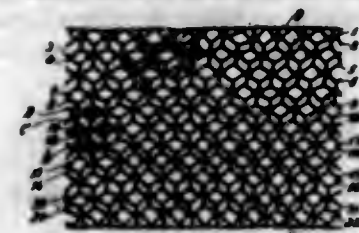


1. The method of producing lace with tulle-like groundwork which consists in forming warp-like spaced pillars of but two threads, each pillar consisting of a lightly tensioned thread and a second heavily tensioned thread, both twisted together to form the pillar, and in connecting said spaced pillars by reciprocally interchanging the lighter tensioned threads of the pillars so as to form pairs of transversal bars, and by crossing each transversal bar over the other so as to interlock with the heavier tensioned threads of the warp-pillars.

1,513,578. LACE WITH STELLATED MESHES. EMIL BENTE and PAUL STEUHMANN, Barmen, Germany, assignors to Max Henkels, New York, N. Y. Filed Dec. 27, 1922. Serial No. 609,270. 2 Claims. (Cl. 96-24.)

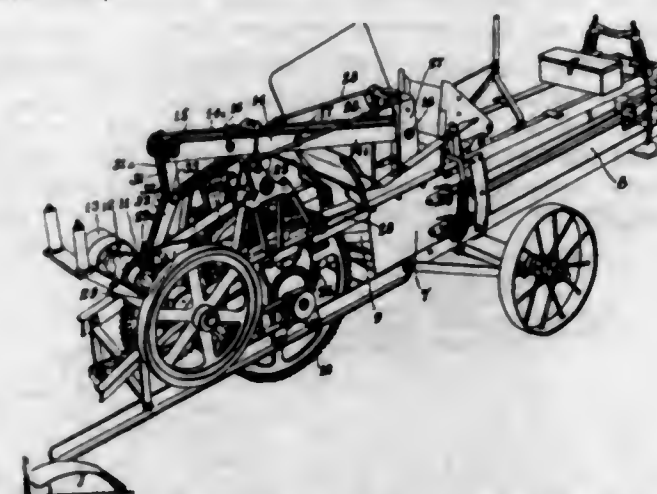
1. The method of producing lace with rhombic groundwork which consists in forming pairs of warp-pillars, each pillar consisting of but two threads, twisted together to form the pillar, and in interconnecting said pairs of pillars with each other and with the adjacent pillars so as to form spaced rows of rhombic shaped figures, and

the latter in adjacent rows being in staggered relation to each other, said interconnection being accomplished



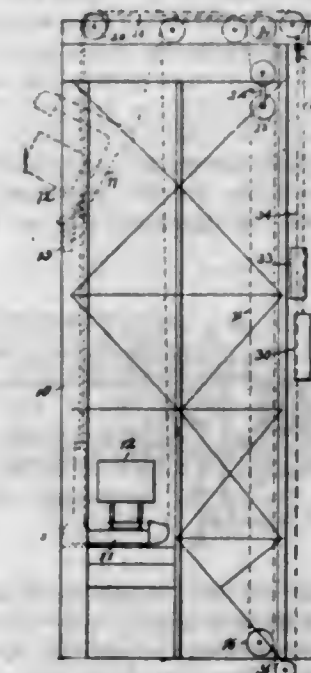
by interbraiding at intervals the four threads of each pair of pillars and simultaneously forming transversely extending loop bars at the point of interbraiding.

1,513,579. HAY PRESS. ROBERT R. BOWERS, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a Corporation of Iowa. Filed July 3, 1922. Serial No. 572,543. 18 Claims. (Cl. 100-25.)



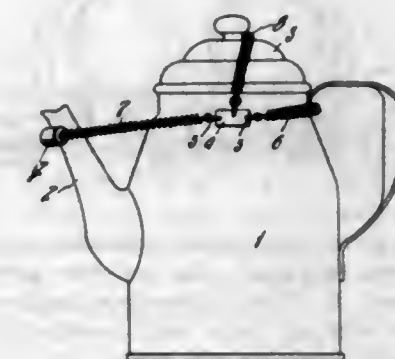
1. In a press the combination with a feeder and a power operated actuating member, of compression means operatively connecting the feeder and said actuating member and adapted to yield when the feeder encounters abnormal resistance, and a spring for holding said compression means in its normal position, said compression means operating to increase the tension on said spring when the feeder encounters abnormal resistance.

1,513,580. CAR DUMPER. ARTHUR F. CASE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1922. Serial No. 568,699. 6 Claims. (Cl. 214-127.)



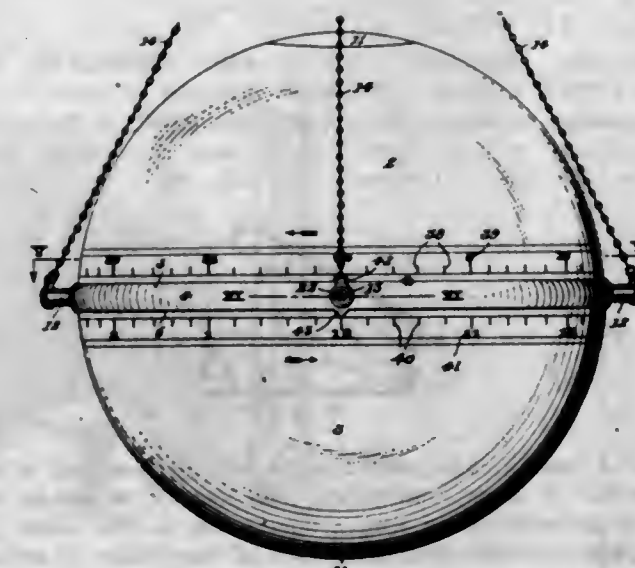
1. In a car dumper, a cradle supporting structure, a cradle therein adapted to receive a car to be dumped, and power mechanism for turning the cradle about an axis, and a counterweight connected to a part of said mechanism to assist the turning of the cradle.

1,513,581. COVER FASTENER. MARCEL LUCINE CAUMONT, Brooklyn, N. Y. Filed Mar. 10, 1924. Serial No. 698,331. 1 Claim. (Cl. 53-3.)



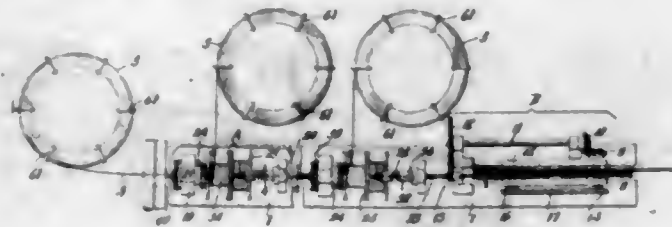
In combination with a tea or coffee pot having a spout and a lid, of a means for clamping the lid on the pot and for absorbing the drippings from the spout, comprising a plate, spring members secured to the ends and to the top of the plate, the outer spring member secured to the ends of the plate designed to be arranged respectively around the neck and around the spout of the pot, and the central spring designed to be arranged over the lid of the pot, an eye on the free end of the last mentioned spring, hooks on the ends of the first mentioned springs to engage the eye, and a roll of absorbent material removably arranged on the spring disposed around the spout of the pot and designed to be forced by said spring against said spout, for the purpose set forth.

1,513,582. GLOBE CLOCK. MICHAEL COMFORT, Plantsville, Conn., assignor of one-fourth to Mary Trybalski, Milldale, Conn., and one-fourth to Wojciech Atlas George Trybalski, Milldale, Conn. Filed Mar. 13, 1924. Serial No. 698,933. 15 Claims. (Cl. 58-125.)



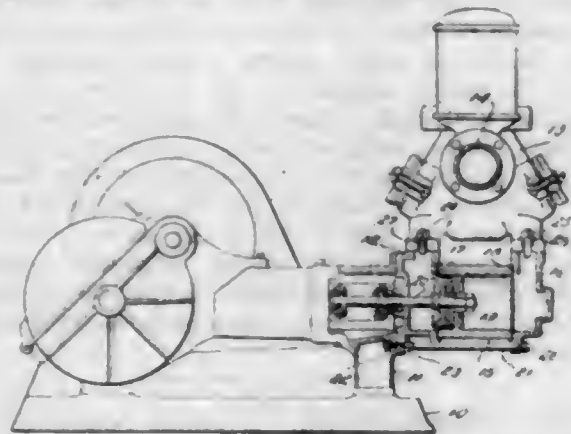
1. In a clock of the type described, a spherical casing formed of hemispherical sections, a disk plate interposed between the two sections, minute and hour indicia upon the respective sections, clock mechanism within the casing for reversely rotating the casing sections, and indicator pointers carried by the peripheral edge of the disk plate associated with the time indicia.

1,513,583. CABLE-MAKING MACHINE. EDWARD A. CONNER, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed July 10, 1922. Serial No. 374,103. 42 Claims. (Cl. 117-16.)



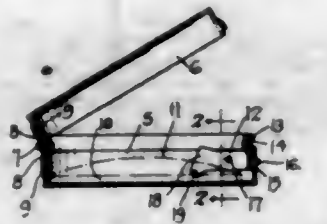
1. In the process of making stranded cable, the steps which comprise drawing the several strands through nozzles adapted to form them into helices and laying them, as they emerge from said nozzles, in position to form component parts of the cable.

1,513,584. PUMP. CHARLES CORNWALL, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Mar. 7, 1924. Serial No. 697,626. 9 Claims. (Cl. 103-175.)



1. In a pump, the combination of a frame, an inner cylinder head carried thereby, a discharge chamber connected to said cylinder head, a cylinder removably associated with said cylinder head, and an outer cylinder head removably associated with said cylinder and removably connected to said discharge member.

1,513,585. SPRING LATCH AND RETAINER FOR VANITY CASES. CHARLES DAHMEN, Closter, N. J., assignor to Simon Zinn Inc., New York, N. Y., a Corporation of New York. Filed Mar. 11, 1924. Serial No. 698,412. 3 Claims. (Cl. 132-82.)

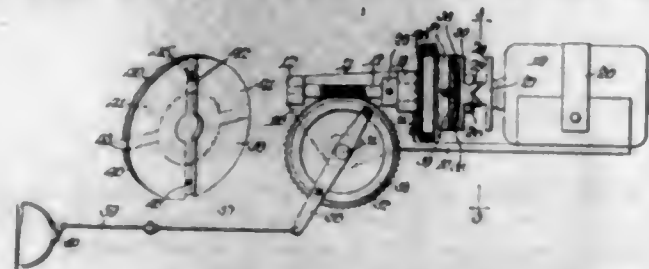


1. A vanity case comprising a box portion and a cover therefor, a hinge connecting the two, a separate latch piece for said cover, and a spring lip on the latch piece adapted to coact with a portion of the hinge to securely retain a powder compact in the box portion.

1,513,586. ELECTRICALLY-OPERATED BRAKE-CONTROLLING MEANS FOR AUTOMOBILES. WILLIAM DAVIS, Chicago, Ill. Filed June 28, 1923. Serial No. 648,236. 7 Claims. (Cl. 188-162.)

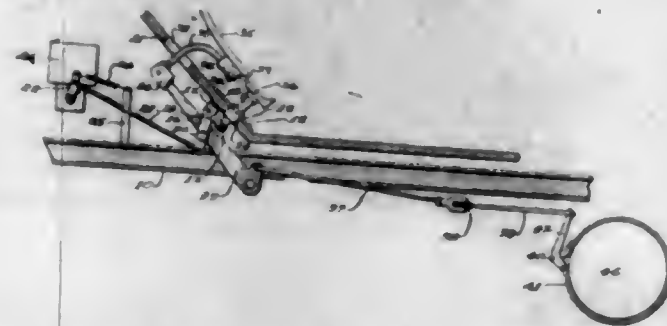
1. In a mechanism of the class described, the combination with a brake-drum of a vehicle, of means to apply frictional pressure to said drum, a suitably mount-

ed electric motor, power transmission means connecting the motor and said frictional means for applying pressure to the drum, yielding frictional resisting means in said line of power transmission co-acting with the mo-



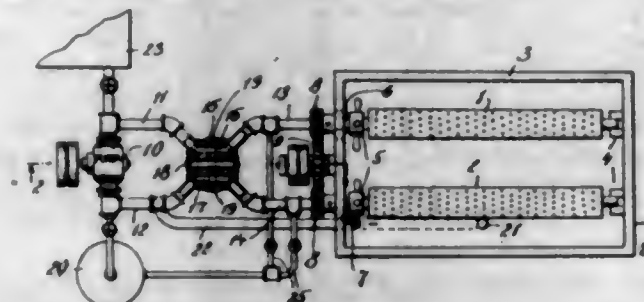
tor to cause sufficient pressure to be applied to the drum, said power transmission means including a worm shaft spring-actuated in one direction to release the pressure applying means and to restore the parts of the device to their normal positions.

1,513,587. BRAKE AND ACCELERATOR OPERATING MECHANISM. WILLIAM DAVIS, Chicago, Ill. Filed Sept. 12, 1923. Serial No. 662,218. 6 Claims. (Cl. 74-81.)



1. A device of the class described comprising a footrest consisting of two movable spaced members arranged longitudinally with respect to one another, one of said members being for the support of the front part and the other of said members for the support of the heel of the shoe of the user, a rod mounted for back and forth movement beneath each of said members and adapted for actuation in one direction by the same, a bell-crank-lever fulcrumed near the rod co-acting with said heel member and having one of its arms slidably connected to the lower portion of said rod, means connecting the other arm of said lever to a part to be operated thereby, another suitably fulcrumed bell-crank-lever connected at the end of one of its arms to the lower portion of the rod co-acting with the front member of the footrest, and means operatively connecting the other arm of the last named lever to a part to be operated thereby.

1,513,588. LACE-FINISHING MACHINE. ALFRED F. DEHNERT, New York, N. Y. Filed Nov. 9, 1921. Serial No. 514,112. 3 Claims. (Cl. 8-8.)



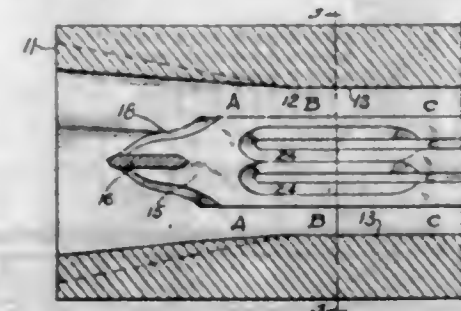
2. In a machine of the character described, the combination of an undivided tank, a pair of hollow perforated cylinders demonstrably supported within the tank, means for rotating the cylinders, a pump having communication with the interiors of both cylinders and adapted to cause liquid to circulate from the interior of one cylinder to and through the interior of the other, and a valve for reversing the direction of flow.

1,513,589. DIE FOR FORMING HOLLOW BLOCKS. GEORGE W. DENISON, Bay Village, Ohio. Filed Sept. 6, 1921. Serial No. 498,890. 29 Claims. (Cl. 25-17.)



1. In a device of the class described, a die having an enlarged receiving end restricted on two sides, and an extruding end substantially rectangular in cross section, and having cutting means on the receiving end of the die adapted to direct material into the enlarged portions on the sides of the restricted part.

1,513,590. METHOD OF AND APPARATUS FOR MAKING HOLLOW BRICK. LEONARD A. DENISON, Cleveland, Ohio. Filed Mar. 31, 1924. Serial No. 703,035. 12 Claims. (Cl. 25-17.)



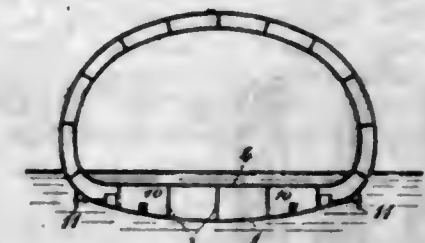
1. The method of forming hollow brick which includes the steps of first forming a hollow column having a webbed cross-section, with intermediate parallel webs extending between two opposite walls of the column, further extruding the column to decrease the thickness of the outer column walls, causing the excess material to form bulging masses on said webs and finally forming the bulging masses into transverse webs connecting the first formed webs to each other and to end walls of the column, said steps being effected as the column is continuously extruded.

6. The combination of a die having a converging throat, a core comprising a bridge mounted in the throat of the die and column void forming members mounted on the bridge, said members having cavities formed therein intermediate the core bridge and the die mouth.

1,513,591. FLOATING PLANT OR HARBOR FOR AIRSHIPS AND GIANT FLYING MACHINES. WILHELM ERNST DÜRR, Ueberlingen-on-the-Bodensee, and ERNST A. LEHMANN and EBERHARD LEMPERTZ, Friedrichshafen-on-the-Bodensee, Germany, assignors to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany, a firm. Filed Dec. 21, 1923. Serial No. 682,130. 1 Claim. (Cl. 114-0.5.)

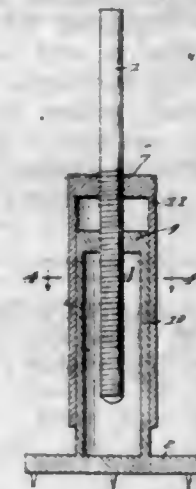
A floating shed for airships comprising a tubular structure including a series of inner and outer cross members of ring-like shape, disposed in spaced-apart relation, one within the other; longitudinally-extending members connected with the cross-members and constituting therewith a framework; a covering disposed upon the framework constituting a roof; a shell disposed upon the framework and constituting a hull; a covering disposed

upon the interior of the framework to constitute a floor, the space between the inner and outer cross members being enlarged at this portion of the shed; and an in-



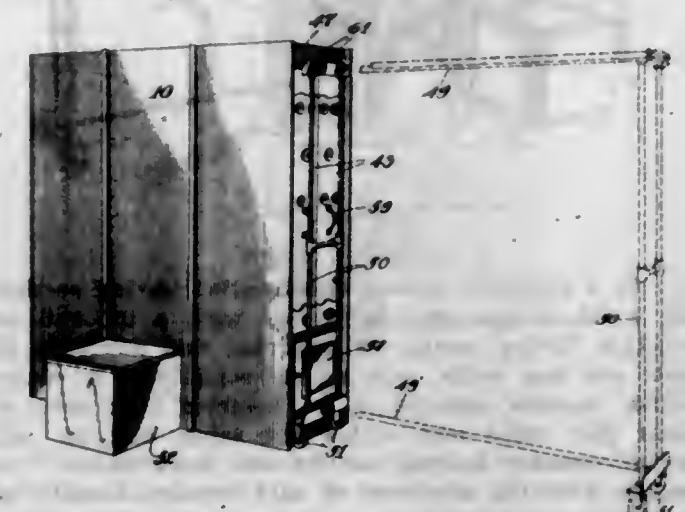
strumentally connected with the framework and shell in proximity to this enlarged space to constitute bulkheads and form, with certain other portions of the shed, a water-tight compartment.

1,513,592. SCREEN SUPPORT. VITALIS C. JOHNSON, Bozeman, Mont. Filed Aug. 21, 1923. Serial No. 658,602. 3 Claims. (Cl. 72-122.)



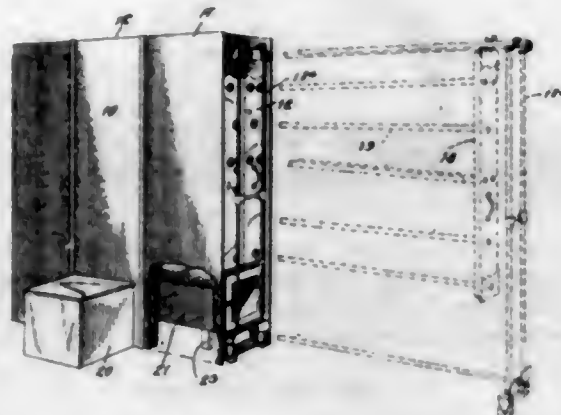
2. A device for the purpose indicated comprising a column, a post having a threaded portion threadingly engaging said column, and a tubular element carried by the post and telescoping the column.

1,513,593. DRIER. JULIUS JUDELSON, New York, N. Y. Filed Apr. 4, 1921. Serial No. 458,314. 11 Claims. (Cl. 189-1.)



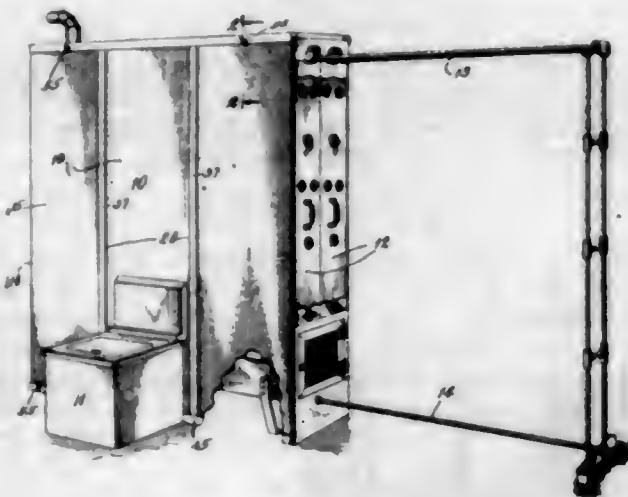
1. In a drying cabinet, a rear wall, sectional side walls, a top, said rear and side walls and top each comprising two sheets arranged with an air space between them, joints connecting said sheets in such manner as to provide grooves in said side walls for the reception of said rear wall, and means at the upper corner edges of said cabinet having grooves for the reception of said top and for connecting said top to said walls.

1,513,594. DRIER. JULIUS JUDELSON, New York, N. Y. Filed Apr. 18, 1921. Serial No. 462,323. 7 Claims. (Cl. 34-40.)



1. In a drier, a drying cabinet for the materials to be dried, a heater for imparting heat to a heat vehicle, a heating chamber located in said cabinet, said chamber having an opening communicating with said heater whereby the heat vehicle passes from the latter into the chamber, means at one end of the chamber for exhausting the heat vehicle therefrom, and means in said chamber for retarding the circulation of the heat vehicle therethrough.

1,513,595. CABINET CONSTRUCTION. JULIUS JUDELSON, New York, N. Y. Filed Oct. 3, 1921. Serial No. 504,968. 7 Claims. (Cl. 180-1.)

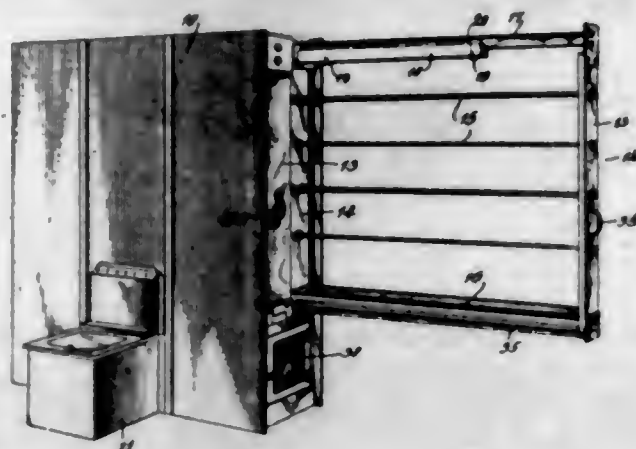


1. In a sectional cabinet construction having sectional side walls, a rear wall and a top wall, a top rail construction having means for receiving said sectional side walls and top walls, said means comprising a channel section member adapted to be inverted over said sectional side walls and bridge the same, and an angle section member having one of the faces thereof continuous with the side face of said channel member and the other face thereof disposed over the horizontal face of said channel and parallel thereto to form an opening to receive the said top wall.

1,513,596. EXTENSIBLE RACK. JULIUS JUDELSON, New York, N. Y. Filed Jan. 18, 1922. Serial No. 530,019. 5 Claims. (Cl. 211-16.)

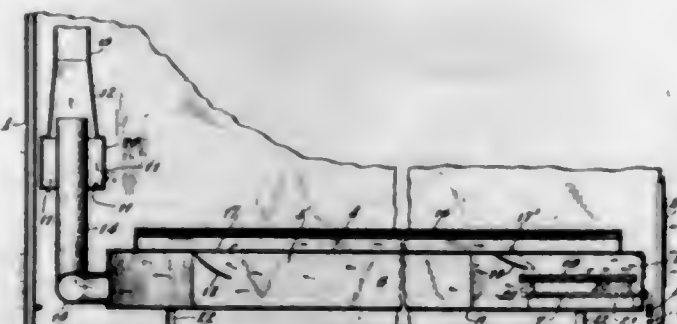
1. An extensible rack of the character described, comprising a stationary guide bar, a U-bar, rollers on

the U-bar mounted to run on the guide bar, a rack, a T-bar constituting a part of the rack and mounted to



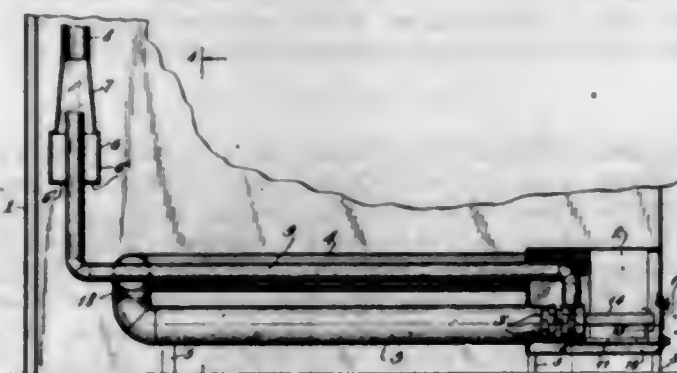
run on the rollers, and means coupling the rack bar and the U-bar after the former is moved a predetermined distance.

1,513,597. DRIER. JULIUS JUDELSON, New York, N. Y. Filed July 28, 1923. Serial No. 654,362. 8 Claims. (Cl. 34-18.)



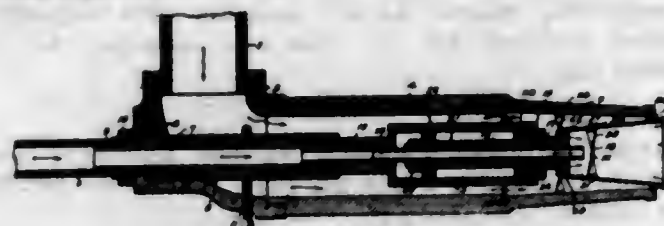
3. In a drier a heating unit, comprising an elongated box, a longitudinal partition in the box dividing the same into a pair of main flues, and a return flue on top of the main flue and communicating therewith, said return flue being of an appreciably smaller cross-sectional diameter than the main flues, and being of substantially inverted V-shape in cross-section.

1,513,598. DRIER. JULIUS JUDELSON, New York, N. Y. Filed Aug. 1, 1923. Serial No. 655,015. 8 Claims. (Cl. 34-18.)



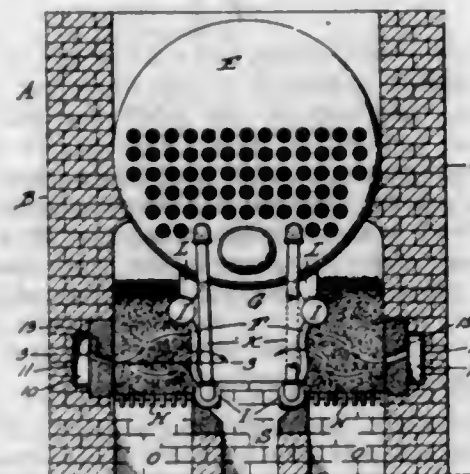
1. A heater for driers and the like, comprising a burner casing, a heating element in the casing, a flue communicating at one end with the casing, a return flue communicating with the first mentioned flue and the casing, and an outlet pipe located adjacent said flues and communicating with the return flue in the burner casing.

1,513,599. OIL BURNER. OSCAR KAY, Houston, Tex. Filed June 2, 1923. Serial No. 643,046. 3 Claims. (Cl. 158-77.)



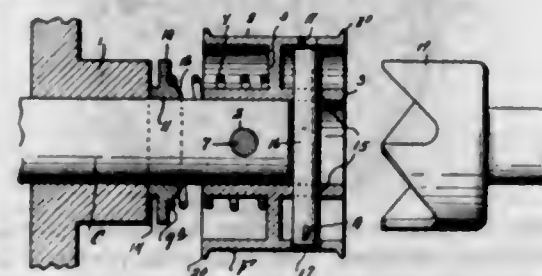
3. In an oil burner of the character described, an atomizing frustoconical deflector and an emulsifying device mounted in said deflector, said emulsifying device being formed with a solid center, an outer rim and connecting blades, and fastening means extending through said outer rim and the deflector for securing the emulsifying device in position.

1,513,600. BOILER FURNACE. GEORGE S. KENT, Buffalo, N. Y. Original application filed Apr. 2, 1921. Serial No. 458,067. Divided and this application filed Feb. 1, 1923. Serial No. 616,378. 9 Claims. (Cl. 110-75.)



1. In a boiler furnace in combination with a housing having side walls and a relatively central combustion space, a pair of grates, one at each side of said central combustion space, and means in the side walls of said housing for introducing air laterally into the masses of fuel supported on said grates whereby the air from said means passes laterally through the masses of fuel into the combustion space.

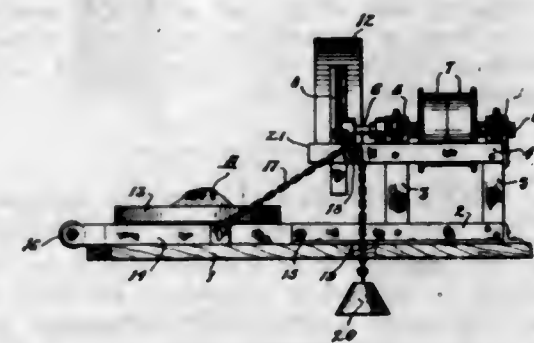
1,513,601. FAN PULLEY. EDWARD K. KING, Winner, S. Dak., assignor of one-half to William King, Hamill, S. Dak. Filed Mar. 22, 1924. Serial No. 701,142. 1 Claim. (Cl. 64-17.)



In combination with a drive shaft of a motor, a pulley comprising a hub, a rim surrounding the hub and spaced therefrom, said hub and rim being substantially co-extensive in length one with respect to the other, a web connecting the hub and rim substantially midway the ends thereof, one end portion of the hub being provided in its wall with diametrically opposed openings, the shaft being provided with an opening with which the openings in the hub are adapted to register, the rim being provided with an opening in radial align-

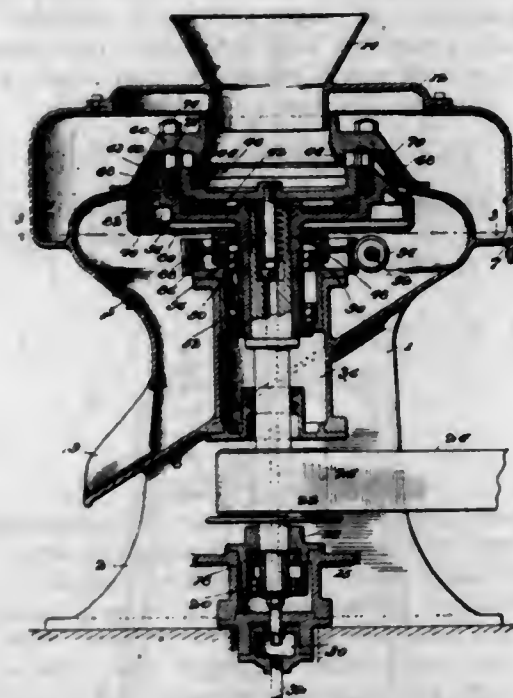
ment with the openings in the hub, a pin adapted to be inserted through the registering openings of the hub and shaft, said pin being also insertable through the opening in the rim, a cross pin insertable through the opposite end portion of the hub and confined within the rim when in applied position, a washer surrounding the shaft immediately adjacent to the bearing, and a coil spring surrounding the shaft and interposed between and bearing against the washer and the web.

1,513,602. SPREADER. FRANK M. KINNARD and ROBERT M. KINNARD, Sebring, Ohio. Filed Jan. 3, 1924. Serial No. 684,164. 7 Claims. (Cl. 25-26.)



1. A spreader including a rotatable spreader tool mounted upon a horizontal axis, and a movable block arranged to be moved into vertical position adjacent to the spreader tool.

1,513,603. PROCESS OF AND APPARATUS FOR EXTRACTING OIL. ABRAHAM S. KIRSNER, Philadelphia, Pa., assignor of one-third to Samuel M. Kirschner, Philadelphia, Pa. Filed Nov. 6, 1920. Serial No. 422,282. 10 Claims. (Cl. 87-6.)

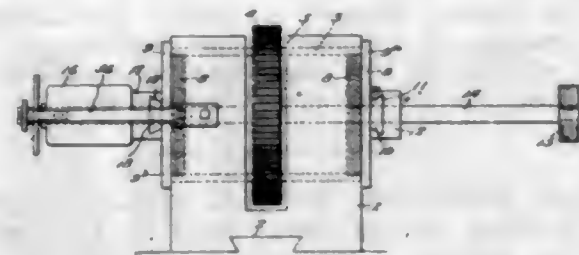


1. The method of extracting liquid which consists in subjecting the material to be acted on to the action of centrifugal force and at the same time to a succession of pressure blows.

1,513,604. CYLINDER GRINDER. HENRY KOSMOS, Chicago, Ill. Filed Jan. 28, 1921. Serial No. 440,697. 2 Claims. (Cl. 51-261.)

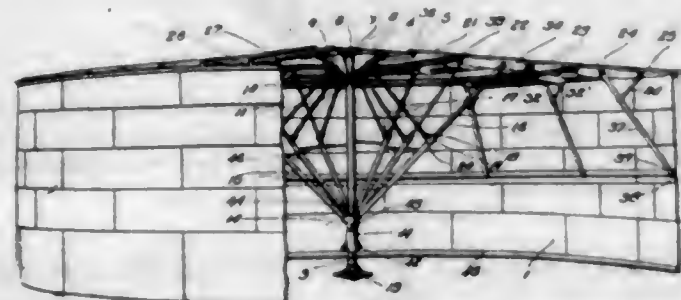
1. In a grinder, a carrier, means for rotating said carrier, a grinding wheel carried by said carrier and movable therewith for moving the grinding wheel over a circular surface to be ground, and adjustable means sup-

porting said grinding wheel for moving it radially from or towards the axis of rotation of the carrier, a motor for rotating said grinding wheel carried by said carrier, spaced contact rings carried by said motor, contact



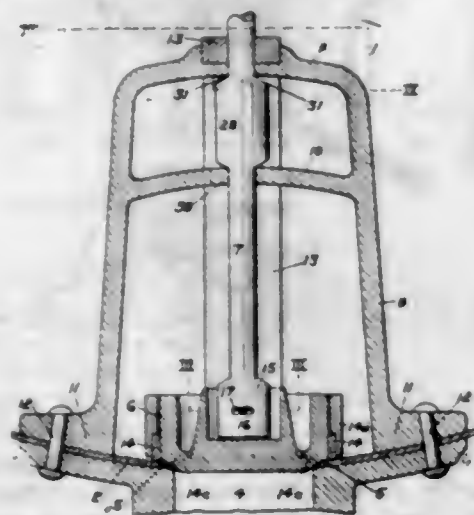
brushes engaging said rings, and adjustable means supporting said brushes to maintain operative engagement of the brushes and rings upon operation of said first named adjustable means.

1,513,605. TANK. ANDREW A. KRAMER, Kansas City, Mo. Filed Apr. 26, 1922. Serial No. 556,569. 12 Claims. (Cl. 220-69.)



1. A tank comprising an enclosing wall, a standard, a roof sheet adjustably mounted on the standard, other roof sheets supported on the adjustable roof sheet and on the enclosing wall, struts adjustably mounted on said standard and connected with said other roof sheets, and means for anchoring said adjustable roof sheets and said struts in adjusted position on said standard.

1,513,606. VALVE MECHANISM. MONROE R. KREAMER, Anronsburg, Pa. Filed Oct. 11, 1922. Serial No. 593,828. 11 Claims. (Cl. 137-21.)

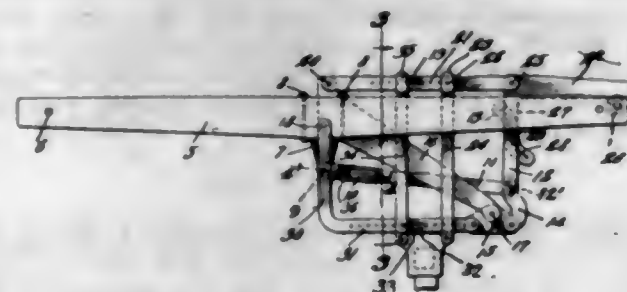


5. In combination with a sealing valve for the outlet opening of a tank car or the like, a valve stem loosely connected with the valve and provided with a lateral abutment, and a guide frame for the stem located closely adjacent to the valve and provided with a registering opening for the stem and a lateral offset for the abutment thereof.

11. In combination with a sheet metal container having an outlet opening and a delivery conduit thereon, an

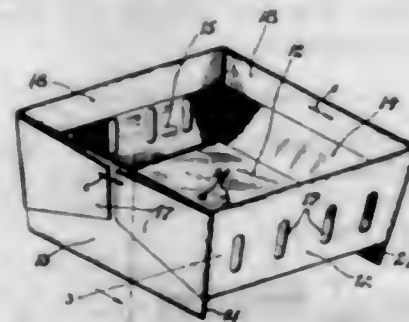
opening and closing valve having a sealing portion adapted to seat upon the inner surrounding edge portion of the container, a valve stem having a locking lug, and a supporting bracket therefor provided with cooperating holding portions for the stem and clearance for the locking lug.

1,513,607. DRAFT EVENER. JAMES KRONDAK, Morse Bluffs, Nebr. Filed May 23, 1922. Serial No. 563,038. 4 Claims. (Cl. 278-20.)



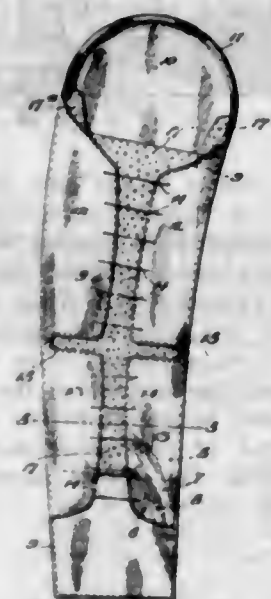
1. A draft evener comprising a draft bar, a bar having one end thereof connected to the draft bar at a point intermediate the ends of the draft bar and having a right angled end formed with a plurality of openings, a plate having connection with the right angled end of the bar, an angularly disposed bar having connection with the plate and having pivotal connection with the draft bar, an angle bar having connection with the plate for exerting a pressure on the angularly disposed bar, a connecting bar connecting the angularly disposed bar and angle bar, and pull bars having connection with the first mentioned bar and connecting bar.

1,513,608. PAPER RECEPACLE AND METHOD OF MAKING THE SAME. ELIE W. LABOMBARDE, Nashua, N. H. Filed Jan. 11, 1923. Serial No. 611,952. 1 Claim. (Cl. 229-32.)



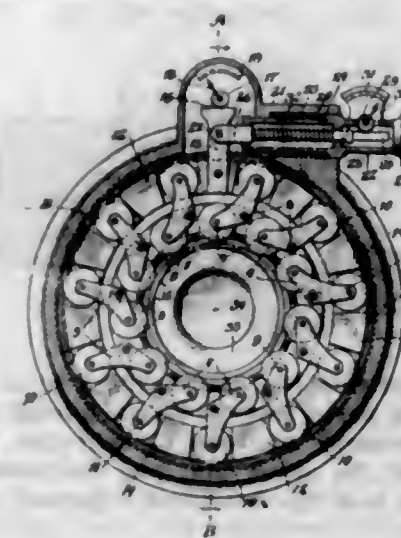
A paper receptacle comprising a bottom portion having ventilating openings, and four side portions or walls integral with the bottom portion, two of said walls which are opposite each other having ventilating openings, and the other two walls having doubled narrow portions projecting below the ventilated bottom and forming rib-shaped legs, all of said walls having doubled upper edges, the two walls which are provided with ventilating openings having flaps folded over and secured to the outer surfaces of the other two walls above the rib-shaped legs thereof whereby air can have free access to the ventilated bottom from either side below the two ventilated walls the full width of said bottom.

1,513,609. SLEEVE PAD. FLOYD TALMIDGE LADNER, and WALTER EARL KESTERSON, Tulsa, Okla. Filed July 28, 1923. Serial No. 654,410. 1 Claim. (Cl. 211-13.)



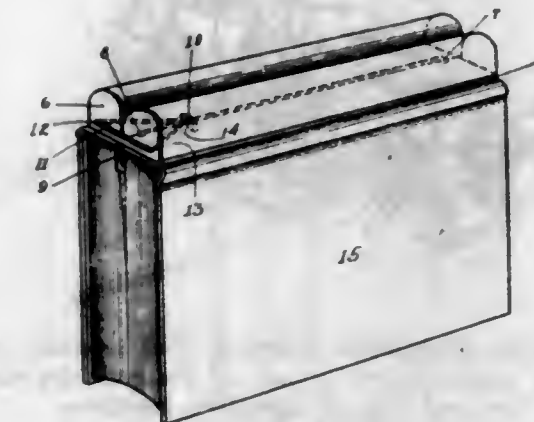
A sleeve-pad comprising a filler of resilient material, and a fabric body covering said filler on the outer side and having flaps overlapping said filler on the inner side and said filler being devoid of fabric covering on the inner side at the elbow portion of the pad.

1,513,610. PROCESS AND APPARATUS FOR TESTING THE SPRING POWER OF PISTON RINGS. JEAN LAESCHER, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Filed Apr. 23, 1921. Serial No. 463,817. 21 Claims. (Cl. 265-12.)



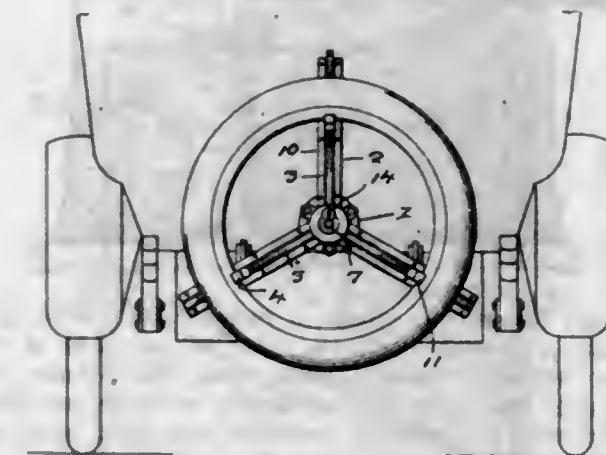
1. The process for testing piston rings consisting in applying pressure radially at a plurality of spaced points around the periphery of the piston ring to effect a predetermined reduction in diameter while maintaining circular form and measuring the sum of the forces applied at all of said points.

1,513,611. PENCIL HOLDER. MYRTLE B. LAIRD, Greeley, Colo. Filed Feb. 13, 1922. Serial No. 536,316. 5 Claims. (Cl. 120-8.)



1. A pencil box adapted to be secured to the back of a book, said box comprising a plurality of compartments, a cover closing the compartments, means tending to normally close said cover, and means for removably securing the box to the book.

1,513,612. TIRE APPLIANCE. WILSON H. LANE, Ada, Okla. Filed Sept. 18, 1922. Serial No. 588,969. 1 Claim. (Cl. 224-29.)

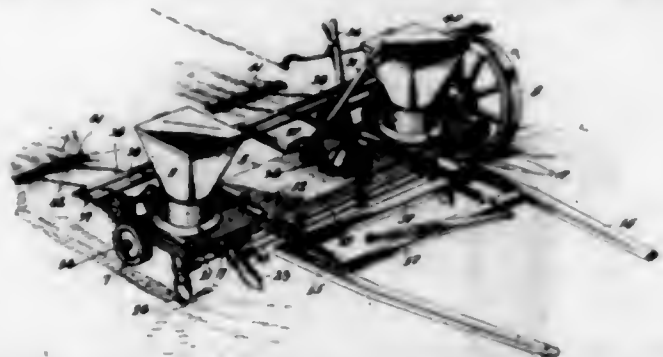


A combined tire carrier and changer comprising a casing, arms radiating from the same and each provided with a V-shaped groove in one face, blocks sliding in the grooves, a pair of flanges carried by each block, a screw shaft located in each groove and engaging the block therein, said shaft extending into the casing, a pair of gears in the casing, gears on the shaft engaging the pair of gears, the shaft of one gear of the pair extending through the casing and having a wrench receiving part thereon and the outer end of one of the shafts being provided with a wrench receiving part.

1,513,613. SUGAR-BEET DRILL. JOSEPH LANG, Rosebush, Mich., assignor of one-third to Mary Lang, Cleveland, Ohio. Filed Apr. 8, 1922. Serial No. 550,594. 2 Claims. (Cl. 111-80.)

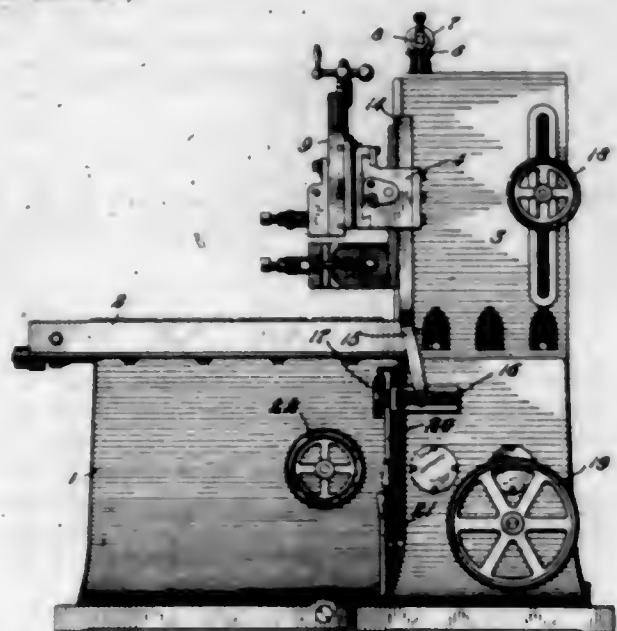
2. In a planter including a frame, a pair of seed dropping mechanisms carried by the frame, a pair of seed drills associated with each seed dropping mech-

anism arranged in spaced relation to each other transversely of the planter and pivotally secured to the frame, a rod connecting corresponding seed drills of the



seed dropping mechanisms together, and separate levers operatively associated with each of the rods for moving the drills into and out of operative positions.

1,513,614. PLANTER. JAY E. LEHMAN, Canton, Ohio. Filed July 9, 1920. Serial No. 394,919. 1 Claim. (Cl. 90—34.)



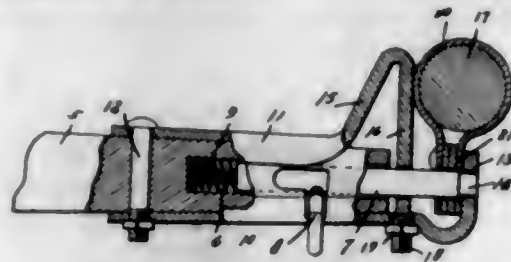
A planer comprising a base, a reciprocating table upon said base, a column upon the base at one side of the table, a vertically movable arm upon the column, extending over the table, a horizontally movable tool head upon the arm, a vertically movable tool feed upon the head and means for controlling the vertical feed of the tool, and means upon the column and base upon the opposite side to the table for controlling the operation of the machine and comprising a hand wheel for controlling the locking of the table, levers for controlling the speed changing mechanism, a hand wheel for controlling the locking of the arm upon the column, means for controlling the raising and lowering of the arm, means for moving the tool head longitudinally upon the arm.

1,513,615. DRY-POWDER JELLY BASE CONTAINING PECTIN. HERBERT T. LEO, St. Joseph, Mo., assignor to Hazel Mary Leo, Topeka, Kans. Filed Apr. 26, 1921. Serial No. 464,752. 7 Claims. (Cl. 99—11.)

3. The process of treating bodies containing pectous substances and acid, which comprises, first, treating the substances with an agent to neutralize the acid, and then treating the remaining substances with pectase.

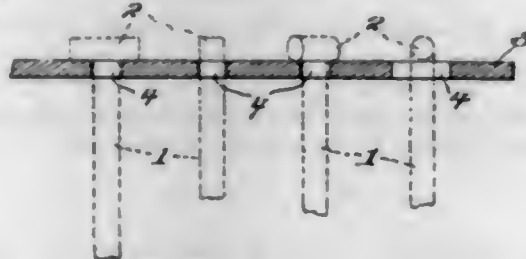
6. A purified pectin and calcium pectate substance freed from acids and produced in a dry powder or granular form, a given quantity of said powder being capable of jellifying with from eighty to one hundred parts of sugar.

1,513,616. NECK-YOKE LOCK. JOHN H. LEWIS, Rhineland, Wis. Filed July 18, 1923. Serial No. 652,405. 2 Claims. (Cl. 278—120.)



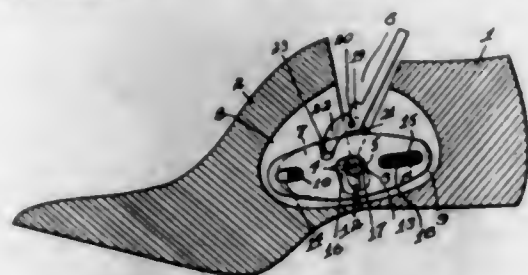
1. In combination with a wagon pole having an opening formed in one end thereof, a spring pressed bolt movable within the opening, a locking device including an upper section and a lower section, the lower section having an upwardly extended end lying in spaced relation with one end of the pole and having an opening, a neck yoke having a band formed with extensions, the extensions having openings to receive the bolt, the free end of the bolt adapted to pass into the opening of the upwardly extended end of the lower section, and said yoke adapted to engage the upper section to restrict movement of the yoke.

1,513,617. METHOD OF FIRING RACK BARS. MAX LITT, Trenton, N. J. Filed Feb. 11, 1924. Serial No. 692,137. 1 Claim. (Cl. 25—157.)



The herein described method of forming straight bars of porcelain comprising in providing the bars with T-shaped heads and suspending them by said heads in vertical position and firing.

1,513,618. LAST. HENRY F. LOEWER, Rochester, N. Y. Filed Sept. 6, 1921. Serial No. 498,820. 11 Claims. (Cl. 12—136.)

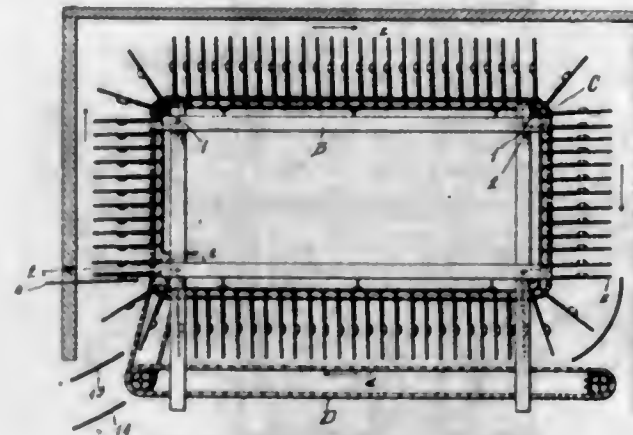


1. A last comprising two last parts, a pivot pin connecting said last parts, and a detent having a sliding and pivotal movement on both of said last parts on opposite sides of the pivot pin, and cooperating with said pivot pin to lock the last in an expanded condition.

1,513,619. CARRIER FOR DRYING OVENS. DANIEL M. LUEHRS, Cleveland, Ohio. Filed Sept. 7, 1920. Serial No. 408,751. 5 Claims. (Cl. 198—41.)

1. In a drying oven for decorated sheets of magnetizable material, an endless conveyer having a series of spaced outwardly-projecting arms, said conveyer having an ascending course, and said arms while on said ascending course adapted to carry sheets in substantially horizontal positions, means at a lower part of said course

for delivering sheets on to said arms while on said course, magnets on the arms for holding the sheets against sliding movement thereon, means for energizing said magnets while the arms are on said course and

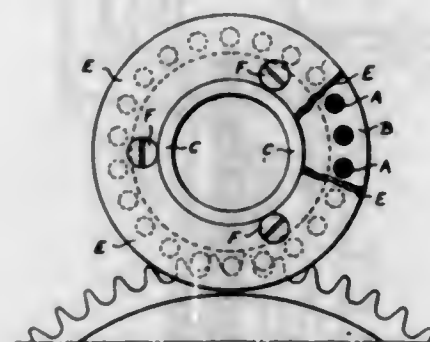


until they have traversed the circuit of the conveyer to a point where the plates may slide edgewise off of the arms by gravity, and means for then deenergizing said magnets.

1,513,620. TILE AND KINDRED MATERIAL AND METHOD OF MAKING THE SAME. JOHN C. MACILDOVIE, Nashua, N. H., assignor to Asbestos Shingle Company, Nashua, N. H., a Corporation of New York. Filed Apr. 2, 1923. Serial No. 629,515. 23 Claims. (Cl. 25—155.)

1. The method of surfacing tile and kindred materials, characterized by embedding in the surface of the material while plastic a layer of solid particles which are liquefiable superficially at least, hardening the material with the said layer embedded in it, and thereafter separating from the material the said layer by liquefaction of the particles thereof.

1,513,621. TOOTHED GEARING. ALEXANDER FRASER MACKAY, Glasgow, Scotland. Filed Mar. 8, 1924. Serial No. 697,766. 3 Claims. (Cl. 74—41.)

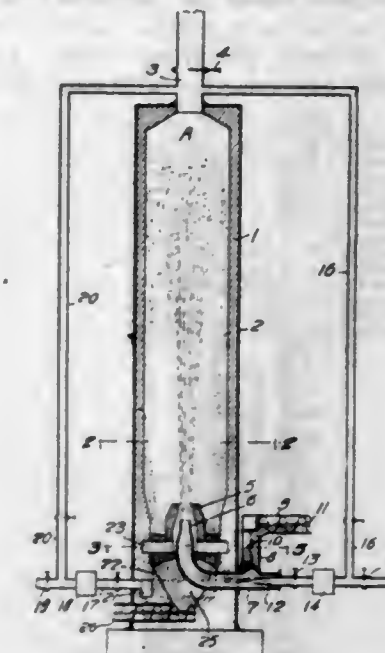


1. In toothed gearing, a series of tooth elements each consisting of a loose bundle of rods, in combination with a framework having a series of pitched apertures or recesses loosely engaging the ends of the rod bundles and retaining them, the apertures being pitched after the manner of teeth as and for the purposes described.

1,513,622. APPARATUS FOR REVIVIFYING PURIFYING MATERIALS. FRED W. MANNING, Brooklyn, N. Y., assignor to Manning Refining Equipment Corporation, a Corporation of Delaware. Filed Apr. 9, 1923. Serial No. 631,002. 7 Claims. (Cl. 263—21.)

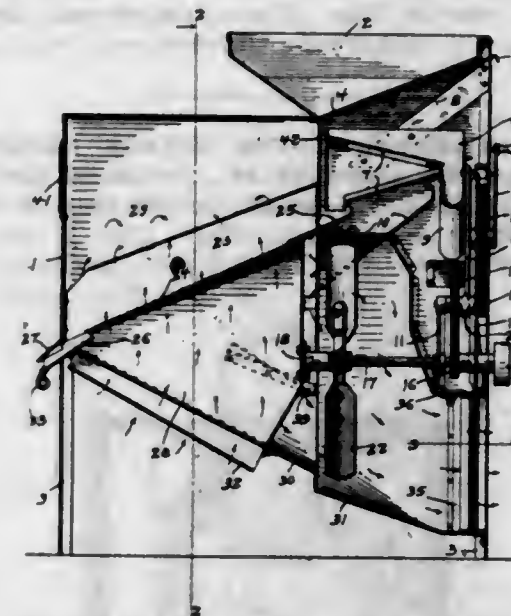
1. Apparatus for revivifying pulverulent purifying materials comprising a shaft chamber having a waste

gas outlet at its top, means for projecting in said chamber a centered stream of hot gaseous material, centered



means for delivering particles of said material into said stream and lateral collecting means surrounding the projecting means, for falling particles.

1,513,623. GRAIN-CLEANING DEVICE. WILLIAM T. MERZENICH, Minneapolis, Minn., assignor to Arthur Stremel, Wayzata, Minn. Filed Nov. 9, 1922. Serial No. 599,939. 9 Claims. (Cl. 130—17.)

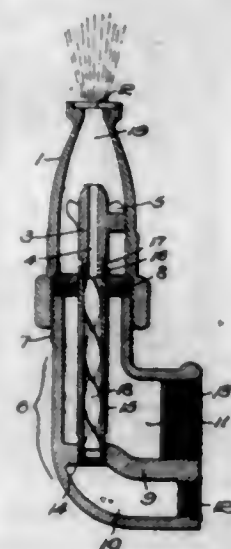


1. A grain cleaning device having in combination, a casing, a trough having a perforated bottom extending therethrough, air chambers at the sides of said trough having imperforate walls, the perforate bottom of said trough being in communication with the atmosphere, means for drawing a blast of air upwardly through the bottom of said trough and through said chambers and forcing the same out at one end of the casing below said trough, and means below said trough for regulating the blast of air passing therethrough.

1,513,624. PLURAL-FLUID NOZZLE AND METHOD OF LIQUID DISTRIBUTION. LEE H. PARKER, Boston, Mass., assignor to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed June 3, 1920. Serial No. 386,244. 10 Claims. (Cl. 209—115.)

1. A plural fluid spray nozzle comprising in combination a shell or casing having a restricted outlet and an interior formation providing a mixing chamber having

a major diameter greater than that of said outlet and from which the mixed material is immediately discharged, a single piece basal part attached to said shell or casing to the rear of said mixing chamber and formed interiorly with integral partition means providing a plurality of intake passages for different fluid streams.



tubular means extending forwardly from one of said intake passages and axially of a second thereof whereby coaxial fluid streams are separately conducted to said mixing chamber and admitted thereto at substantially the same transverse plane and means to impart a whirling action to one or more of said fluid streams prior to their entrance to said mixing chamber.

1,513,625. GLASS GUARD FOR MINERS' INCANDESCENT LAMPS. ANTON PETERS, Dortmund, Germany. Filed Feb. 26, 1924. Serial No. 695,232. 1 Claim. (Cl. 91—68.)

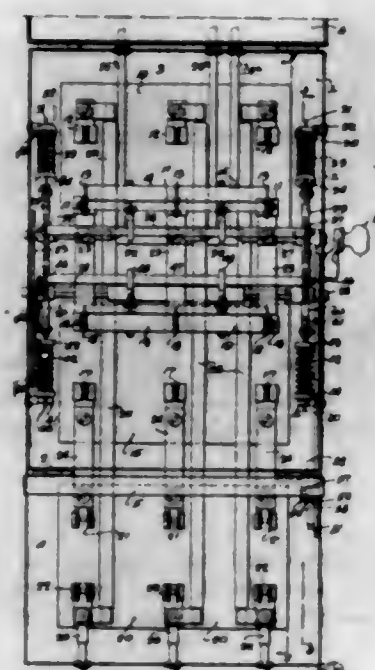


The herein described method of providing a transparent coating for an article of glass or the like, consisting in heating said article, together with a mixture of a binder and finely divided geyserite to a temperature of substantially 50° centigrade for substantially three hours and to substantially 70° centigrade for substantially nine hours thereafter, to cause the binder to be vaporized and the geyserite to be intimately combined with the glass.

1,513,626. SWITCH MECHANISM. WILLIAM T. PRINGLE, Philadelphia, Pa., assignor to V. V. Fittings Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1920. Serial No. 374,056. 4 Claims. (Cl. 200—18.)

1. The combination of two switches; a single device for actuating either switch to the exclusion of the other; and means for insuring actuation of the switches in a predetermined sequence including two movable arms of which one has an abutment normally preventing the movable member of one of the switches passing from its

open to its closed position, and a member connected to the movable member of the other switch for moving said arm with the abutment out of its operative position



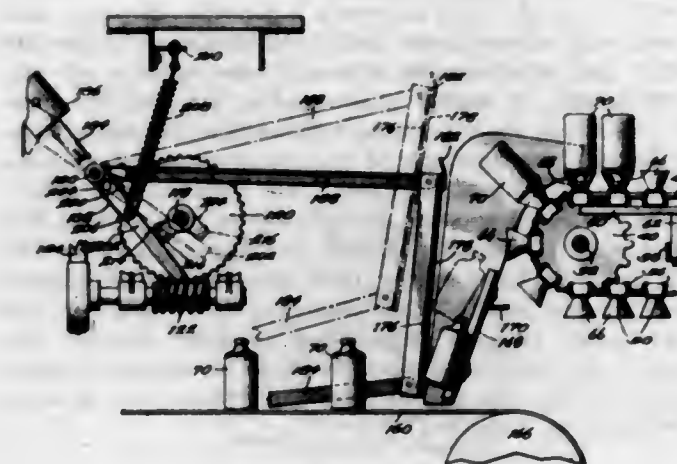
into a position in which it is held from movement by the second movable arm when said latter switch member is moved to a closed position.

1,513,627. CONNECTING ROD FOR OIL WELL WALKING BEAMS. WILLIAM F. RESCHKE, Wichita, Kans. Filed Oct. 12, 1923. Serial No. 668,146. 3 Claims. (Cl. 74—14.)



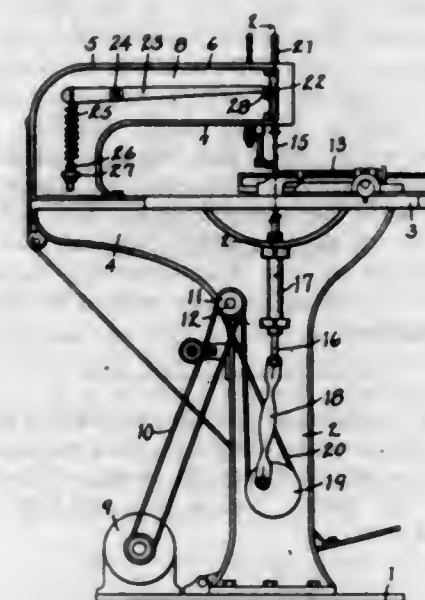
1. In a connecting rod for an oil well walking beam, the combination of a loop guide, a parallel rack gear adapted for rectilinear motion, the said rack and loop being firmly connected by protruding arms from said rack, an oil cavity in said rack, an oil pump interposed within said cavity, a hollow tube extending from said pump between two teeth of said rack, a pinion connected to a power driven shaft, said pinion meshing with said rack, the teeth of said pinion compressing the said tube of said pump downward, as means for oiling the teeth of said rack and pinion for the purpose set forth and described.

1,513,628. BOTTLE-WASHING MACHINE. ARTHUR I. RISSE, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed July 20, 1922. Serial No. 576,196. 21 Claims. (Cl. 141—7.)



1. In mechanism of the class described, a normally horizontally disposed bottle conveyer, there being a perforation in the conveyer, an inverted conical cup on the conveyer adapted to receive the neck of an inverted bottle and hold it in register with said perforation, means moving the conveyer from the horizontal to an inclined position where a bottle will fall out of said cup off the conveyer, and automatic means including a stationary inclined chute and means urging a bottle against the chute guiding a bottle, to fall, to upright position.

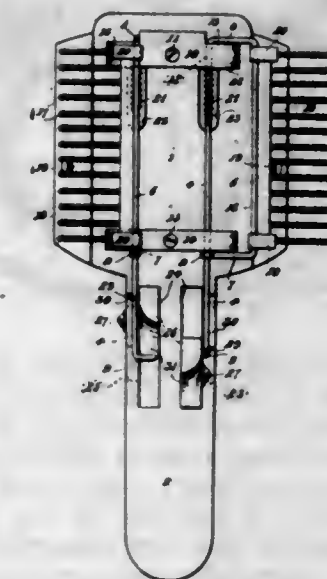
1,513,629. FILING AND SAWING MACHINE. WALTER S. RUNNELS, Kalamazoo, Mich. Original application filed Feb. 18, 1922, Serial No. 537,542. Divided and this application filed Mar. 5, 1923. Serial No. 622,919. 2 Claims. (Cl. 29—74.)



2. In a structure of the class described, the combination of a pedestal, a table mounted thereon, a head mounted on said pedestal to overhang said table and having a channel-like housing in one side thereof, a plunger slidably mounted on said pedestal, driving means therefor on said pedestal, a tool retracting slide mounted on said head, a tool connected to said plunger and slide, a lever having a link connection to said retracting slide pivotally mounted in said housing of said head member, and a coiled spring disposed within said housing connected to the outer end of said lever.

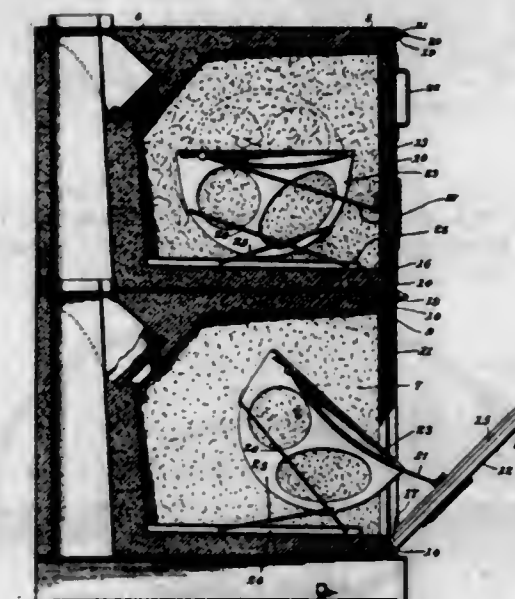
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1,513,630. COMBINED HAIR BRUSH AND COMB. RUDOLPH SALAC, Buckholts, Tex. Filed Aug. 29, 1924. Serial No. 734,956. 4 Claims. (Cl. 132—86.)



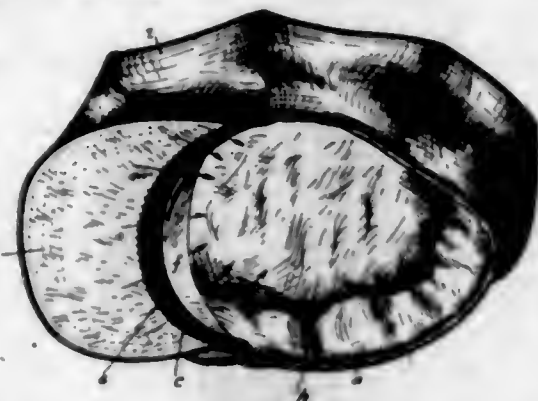
1. In a combined hair brush and comb, a brush backing, bristles projecting from one face thereof and a pair of independently operating comb elements carried by the other face of the backing, each comb element including a comb supporting frame resiliently and pivotally supported on the backing, and a manually operable cam-block slidable on the backing and cooperating with the frame for projecting the comb element upon sliding movement thereof in one direction.

1,513,631. FILING AND STORAGE CABINET. EDWARD W. SALMON, Jr., Baltimore, Md., assignor to Leo Fesenmeier, Baltimore, Md. Original application filed Aug. 3, 1922, Serial No. 579,451. Divided and this application filed Aug. 3, 1922, Serial No. 579,453. 9 Claims. (Cl. 109—2.)



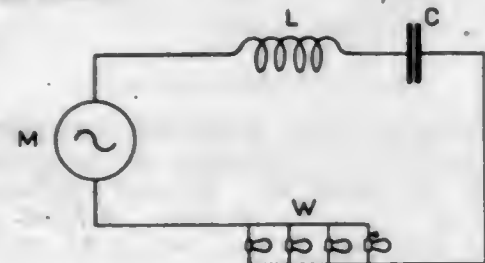
1. The combination with a cabinet having a partition therein to divide the cabinet into separate compartments, a metallic facing on the front edge of the partition, a metallic reinforcing member embedded in the partition and having connection with said metallic facing, and a door for each compartment.

1,513,632. CAP AND THE LIKE. HARRY B. SAXTON, Portland, Oreg. Filed June 21, 1923. Serial No. 646,907. 7 Claims. (Cl. 2-176.)



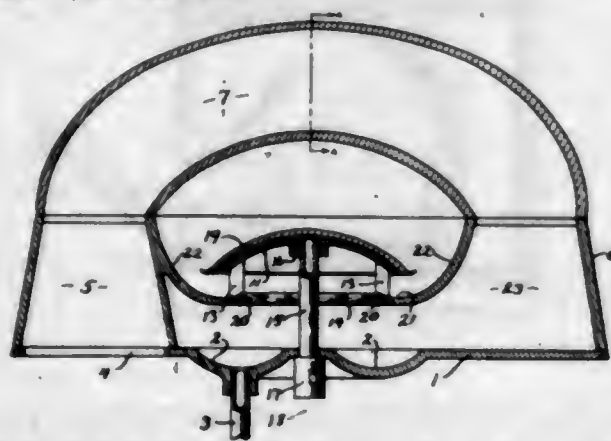
1. In a cap, and the like, a crown provided at its bottom edge with a visor-like projection, a sweat band secured within the crown, spaced at the front from said projection, a ventilating strip of coarse woven resilient material covering said space, and having its edges secured to the adjacent portions of the visor-like projection and the sweat band, the strip being so arranged that its strands extend diagonally with said edges.

1,513,633. APPARATUS FOR REGULATING THE VOLTAGE OF ALTERNATING-CURRENT SYSTEMS. OTTO SCHELLER, Berlin-Lichterfelde-West, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Aug. 31, 1921. Serial No. 497,280. 1 Claim. (Cl. 171-242.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



The combination with an electric system including an alternator and a load circuit, comprising means for maintaining constant the current flow in said system with fluctuating frequency and consisting of inductance and capacity reactances inserted in the load circuit and so dimensioned as to vary the resulting impedance in the system in accordance with the voltage curve of the supply.

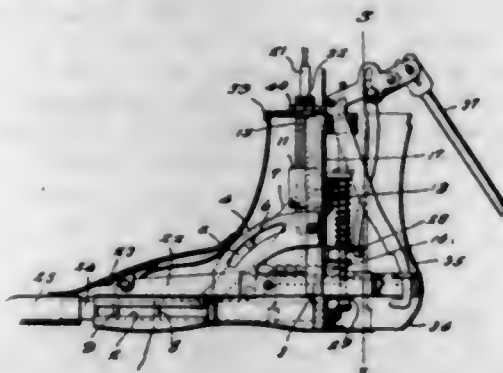
1,513,634. OIL BURNER. JOSEPH SCHERMULY, Wichita, Kans. Filed June 19, 1923. Serial No. 646,342. 1 Claim. (Cl. 153-80.)



In an oil burner, a base plate having an annular basin centrally positioned therein, an overflow pipe connected to said basin, an aperture on one end of said base plate, an air chamber mounted on said base plate, said air

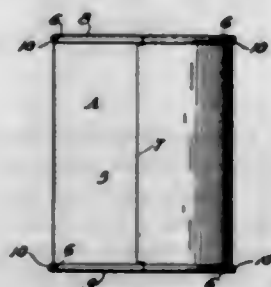
chamber having a generating pan concentric thereto, a tube in one end of said air chamber registering with the aperture in said base, an arched air duct being open at each end and adapted to register with the said tube and the opening in the air chamber in the opposite end thereof, means for connecting the base plate, air chamber and arched duct firmly together so that the air circulation will enter the said aperture and passing through said tube and said arched duct and from thence into the air chamber and passing out through the opening of the generating pan, a supply pipe passing through the base plate concentric to the annular basin and extending upward through the aperture of the generating pan, a dome mounted on the end of said pipe, said dome having a plurality of radiating grooves on the convex side and on the opposite side a plurality of legs adapted to seat on the rim of the generating pan, a hood mounted on said dome functioning as means for confining the flow of oil through said grooves dispensing equally around the periphery, the said hood also functions as means for generating said oil into gas as dispensed from said grooves for the purpose described.

1,513,635. LAST. CARL SCHEVITZ, Jacksonville, Fla. Filed Dec. 3, 1923. Serial No. 678,299. 3 Claims. (Cl. 12-128.3.)



1. A shoe last of the class described comprising a main frame, a side stretching member adapted to be placed at either side thereof, a pair of longitudinally movable members at each side of the main frame, for actuating the side stretching member, an arm connected with a member of each pair, a block to which the arms are pivoted, a support in which the block is vertically movable, a tubular screw shaft passing through a threaded hole in the block and rotatably mounted in the support, a shaft passing through the screw shaft and having a threaded part engaging a threaded hole in a stationary part of the support, a rocking bar having its rear end engaged by the longitudinally movable shaft, and an instep stretching member carried by the outer end of said rocking bar.

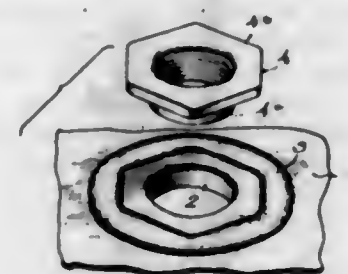
1,513,636. COLLAPSIBLE SHEET-METAL CONTAINER. HOMER A. SCHOLZE, Catlettsburg, Ky., assignor of one-half to Percy E. Hunter, Pittsburgh, Pa. Filed July 11, 1921. Serial No. 483,658. 2 Claims. (Cl. 220-4.)



1. A collapsible container comprising a sheet metal body having adjacent end portions thereof provided with hooks extending therealong, which hooks are detachably interlocked and which may be disengaged by contraction

of the body, and flanged end members removably retained on the ends of the container and adapted to be released by contraction of the body, said hooks being of less width than the body of the can to provide clearance for the flanges of the end members when they are applied to the body.

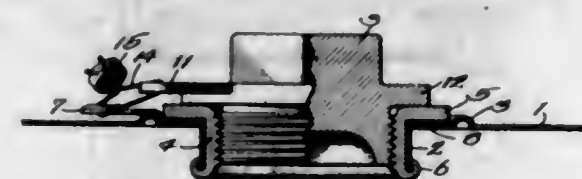
1,513,637. BUSHING. MORRIS SCHWARTZ, Chicago, Ill., assignor of one-half to Winnifred B. Parish, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,370. 11 Claims. (Cl. 113-116.)



1. An annular bushing having a flange with edge portions upon its perimeter at different distances from the axis of the bushing, in combination with a support through which the bushing extends and formed with a seat that has portions which engage the aforesaid edge portions of the flange perimeter to hold the bushing from rotation with respect to the support.

3. The method of applying bung rings to metal containers, consisting of punching an annular hole in the container wall, stamping the surrounding metal to form a socket of greater diameter than said hole, inserting a ring into said hole, having a flange seating in said socket, the contacting edges of said socket and flange being so shaped as to prevent the turning of said ring in seated position, and sealing said ring within said hole.

1,513,638. BUSHING STRUCTURE. MORRIS SCHWARTZ, Chicago, Ill., assignor of one-half to Winnifred B. Parish, Chicago, Ill. Filed May 12, 1923. Serial No. 638,550. 12 Claims. (Cl. 220-39.)

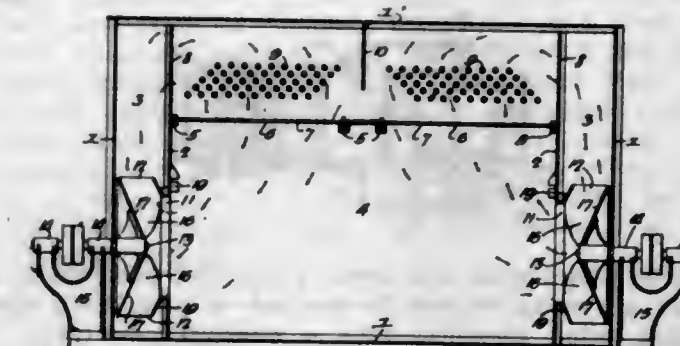


1. The combination with a body formed with an opening therethrough and having a ridge spaced apart from said opening; of a bushing in said opening and formed with a projection received in the space between said ridge and opening; and a tag having an inner end extending between said projection and body and clamped in place by said projection.

1,513,639. DRIER. WALTER M. SCHWARTZ, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1920. Serial No. 426,524. 6 Claims. (Cl. 34-12.)

4. The combination in a drier, of a casing; two longitudinal partitions located in the casing and spaced from the sides thereof to form two circulating passages and a central drying chamber; each partition having upper passages and a fan opening; a centrifugal fan located in each circulating passage and communicating with the drying chamber through the fan openings in the partitions; a central, short partition depending from the roof of the drier; a series of heating pipes in the dry-

ing chamber on each side of said partition; and two conveyors arranged side by side in the drying chamber below the heating pipes and above the fan openings



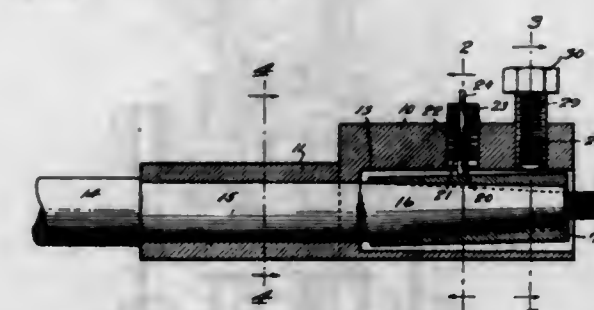
so that the air in circulation will pass between the pipes through the material to be dried into the fan and through the circulating passage to the upper portion of the drying chamber.

1,513,640. SHINGLE-CUTTING DEVICE. MARK B. SHAW, Downingtown, Pa. Filed Feb. 28, 1922. Serial No. 540,019. 1 Claim. (Cl. 164-46.)



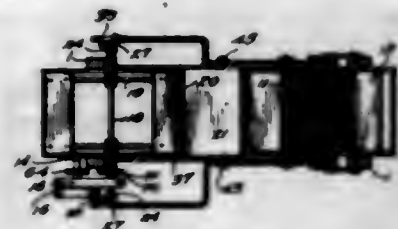
In a device of the class described, a main frame, a stationary blade mounted on said frame, a movable blade cooperating with the blade first named, a longitudinal element for mounting the movable blade, plates connected with the longitudinal element and extending in parallel relation, upstanding devices mounted on the frame near one end thereof, means for pivotally mounting the ends of the plates on said upstanding devices, an operating lever pivotally mounted at that end of the frame opposite the mounting of the longitudinal member, and links pivotally connected with the lever and pivotally connected with the longitudinal member near one end thereof, the pivoted end of the lever being directly above an adjacent freely movable end of the longitudinal member, and the approaching ends of these elements limiting upward movement thereof.

1,513,641. SPINDLE-STRAIGHTENING DEVICE FOR AUTOMOBILE AXLES. JOHN W. SIMMONS, Cleveland, Ohio. Filed May 1, 1922. Serial No. 557,796. 7 Claims. (Cl. 153-32.)



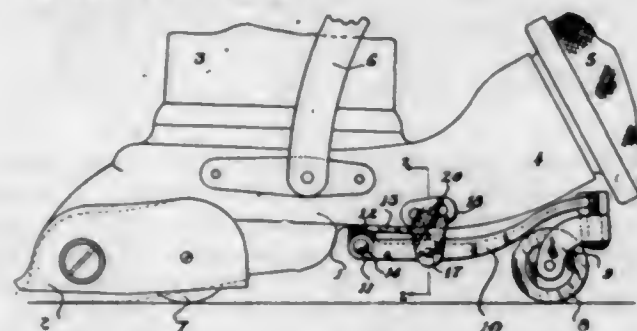
1. A device of the kind described comprising a block having a bore adapted to receive a portion of an axle and an axially disposed portion of greater capacity adapted to receive the spindle of the axle therein, a sleeve adapted to fit upon said spindle within the enlarged opening, a radially movable screw adjustable in the block and adapted to contact with the sleeve and an indicating finger contacting also with said sleeve.

1,513,642. ADJUSTABLE CRANK. ARTHUR E. SIMPSON, Dublin, and PHILIP S. WHITE, New Lisbon, Ind. Filed Nov. 22, 1922. Serial No. 602,606. 1 Claim. (Cl. 74—38.)



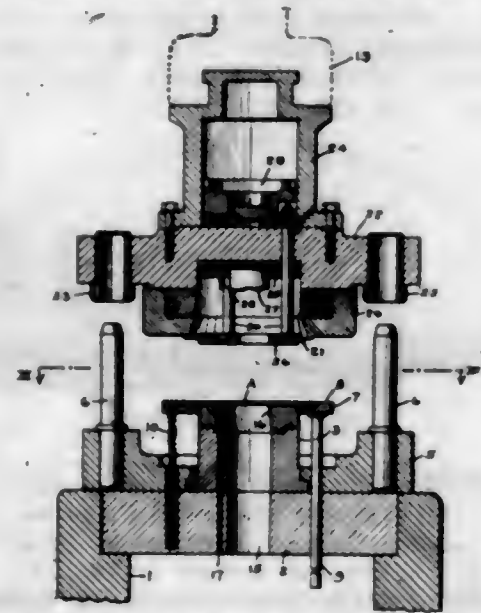
Drive mechanism for grain separators comprising a shaft, a casting secured to the end of said shaft, said casting being provided with a relatively flat face, a sleeve formed on the flat face of said casting and arranged at right angles to said shaft, a substantially L-shaped lever having one arm adjustably mounted in said sleeve, the other arm of said lever being arranged substantially parallel to the axis of said shaft and eccentric thereto, said arm being provided with spaced openings, pins arranged in said openings, washers arranged adjacent said pins, and a roller arranged between said washers to form a driving connection.

1,513,643. ADJUSTABLE SWIVEL CASTER. WALTER S. SIMPSON, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 23, 1922. Serial No. 590,124. 3 Claims. (Cl. 15—16.)



1. In combination with a vacuum cleaner, an arm pivoted thereto at one end and having a caster in the other end, an adjusting plate pivoted upon the arm and provided with a slot, and a clamping screw upon the cleaner engaging said slot.

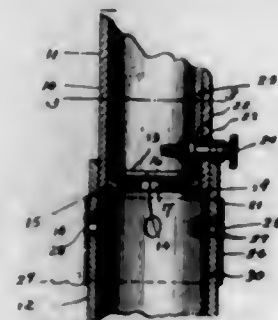
1,513,644. METHOD AND APPARATUS FOR FORMING BRAKE DRUMS. THOMAS A. SINDELER, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 25, 1921. Serial No. 487,567. 1 Claim. (Cl. 113—49.)



A combined forming and punching press comprising a socket die having a fixed bed plate, a central punch and a set of auxiliary punches surrounding the same,

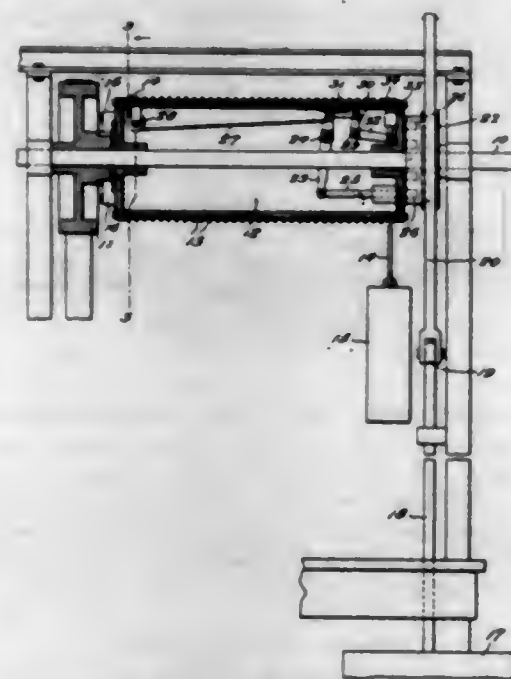
carried by said plate, a presser plate slidably mounted in said die and having apertures in alignment with said punches, guide rods secured to said presser plate and extending through said bed plate, and a piston connected to said guide rods.

1,513,645. CONTROLLER AND REGULATOR. JAMES SMITH, Boston, Mass. Filed Sept. 29, 1922. Serial No. 591,418. 2 Claims. (Cl. 48—180.)



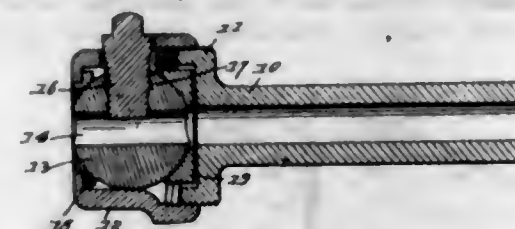
1. A controller and regulator comprising a conduit having an inlet end and an outlet end, a partition having a passage therein in said conduit between its ends, guide ways formed in said partitions, valve means embodied by said partition for controlling and regulating the flow of a fluid through said passage, said valve means including a slide member mounted in said guide ways and capable of traversing said passage to completely or partly close and open the same; an upstanding part formed on said slide and provided with a threaded opening, and a device swivelly mounted in the walls of said conduit for co-action with the threaded opening for moving said slide in either direction.

1,513,646. MOTOR. WILLIAM F. SMITH, Tacoma, Wash. Filed Apr. 28, 1921. Serial No. 464,613. 4 Claims. (Cl. 60—8.)



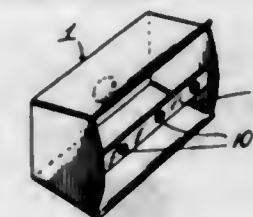
1. A power transmitting apparatus comprising a shaft, a drive wheel loosely mounted thereon, a drum loosely mounted on said shaft, means whereby the drum rotates the drive wheel when the drum is rotated in one direction, a cable secured to the drum and adapted to be wound about and unwound therefrom, a weight suspended from the cable for rotating the drum in the direction above mentioned, float actuated means for rotating said shaft, means for fixing said drum on the shaft for rotation therewith, whereby the cable is rewound upon the drum, said means being controlled by the cable, and means for automatically releasing the drum at a predetermined interval for the purpose specified.

1,513,647. FLOATING TOOL HOLDER. PAUL SPIRITUS, Detroit, Mich. Filed Sept. 21, 1921. Serial No. 502,226. 1 Claim. (Cl. 279—16.)



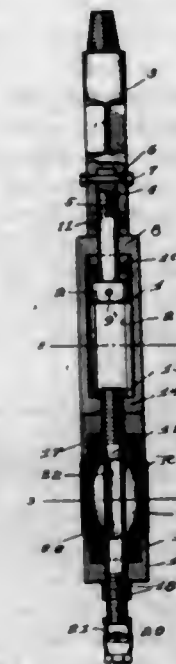
A screw machine chuck having an exteriorly threaded head, a cap nut threadingly engaging said head and cooperating with the latter to form a housing, a spherical bit carrier enclosed within said housing and provided with a diametrical bore, concave seating rings disposed on diametrically opposite sides of the carrier and engaging the cap and head respectively, and a set-screw threadingly engaged with a lateral opening in the bit carrier for bearing engagement on the shank of a bit carried in the bore thereof, said set-screw passing loosely through a radial opening formed in said cap.

1,513,648. SAFETY-RAZOR ATTACHMENT. WALTER P. SPRIGG, Boston, Mass. Filed May 22, 1922. Serial No. 562,756. 3 Claims. (Cl. 30—12.)



1. An attachment for a razor comprising a receptacle having sides, ends and a bottom and having an opening in its bottom through which the razor handle passes, means for detachably connecting the receptacle with the razor, such means consisting of spring clips at the upper edges of the ends, said spring clips having hooked ends for engaging the ends of the razor blade.

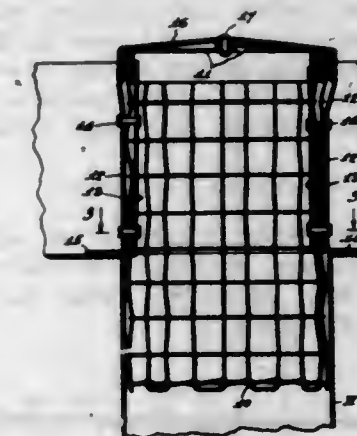
1,513,649. SWAB. HARVEY R. STANDLER, Mexia, Tex. Filed Aug. 17, 1922. Serial No. 582,500. 1 Claim. (Cl. 74—109.)



In a swab, the combination with a tubular mandrel, a cage engaged with an end portion of the mandrel and with which said mandrel communicates, a rubber surrounding the mandrel below the cage, said rubber having inclined portions terminating in reduced cylindrical extended end portions, sleeve rings mounted upon the mandrel above and below the rubber and having inclined

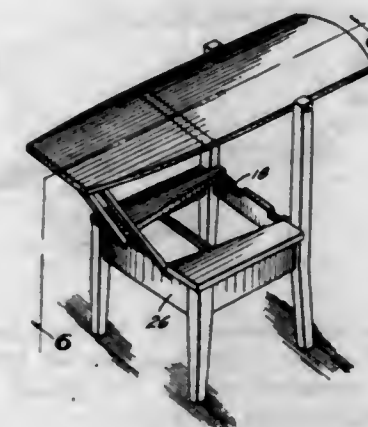
portions, the reduced end portions of the rubber being received within the sleeve rings and the inclined portions of the rubber engaging the inclined portions of the rings, means carried by the mandrel and coacting with the sleeve rings for clamping the rubber at a fixed position upon the mandrel, said rubber having the bore thereof concavely enlarged to provide a space about the mandrel, said concave portion being substantially coextensive with the exposed outer wall of the rubber, the concavity of said bore being greatest at the central portion of the main body of the rubber, the mandrel having perforations communicating with the concavity of the bore of the rubber.

1,513,650. OUTLET STRAINER. EDWIN S. STANTON, Brooklyn, N. Y. Filed Mar. 28, 1924. Serial No. 702,631. 3 Claims. (Cl. 210—170.)



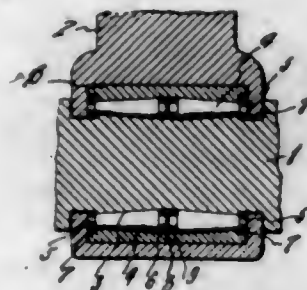
1. An outlet strainer formed of a sheet of woven wire bent into tubular form, the edge portions of said sheet overlapping, vertical strips at the interior and exterior of said body at the overlapped portions thereof, fastener elements extending through said strips and through the overlapped portions of the body, the overlapped portions of the body below said strips being unsecured leaving the body free to be expanded below the strips, and members on the body at the exterior adjacent to the lower end of said strips and directed laterally outward and adapted to rest upon the gutter when the adjustable lower portion of the body is entered in a leader.

1,513,651. COMBINED CHAIR AND IRONING BOARD. TILDEN J. STONE, Lenoir, N. C. Filed Oct. 4, 1923. Serial No. 666,563. 4 Claims. (Cl. 155—41.)



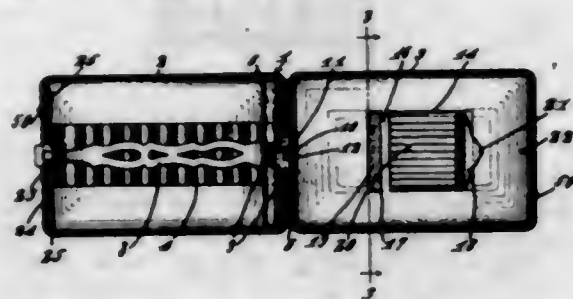
1. In a combined chair and ironing board, a chair frame, a back pivotally connected to the frame, a seat, hinges attached to the lower end of the back and the rear edge of the seat, a filling strip adapted to be inserted between the ends of the back and seat supported by the hinges when converted into an ironing board, and sectional braces hinged to the under surface of the seat and adapted to be supported by the frame of the chair, substantially as described.

1,513,652. CONNECTING-ROD AND SHAFT ROLLER BEARING. CHARLES V. SWANSON, Montrose, S. Dak. Filed Mar. 21, 1924. Serial No. 700,863. 2 Claims. (Cl. 64-62.)



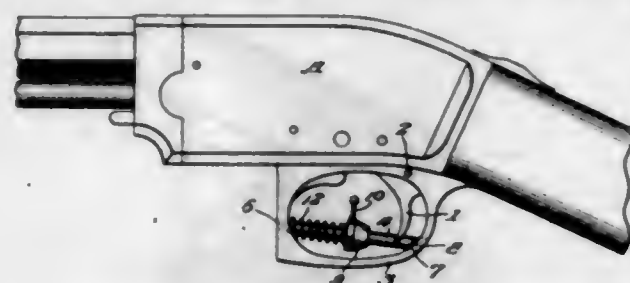
1. An anti-frictional bearing comprising spaced series of cone-shaped rollers having their ends reduced to form trunnions, a cage for each series of rollers comprising ring members having bearings in which the reduced ends of the rollers are journaled, means connecting the outer cage sections and passing freely through the inner cage sections, spring means between the inner cage sections exerting an outward pressure thereagainst, and guide means between said cage sections for said spring means.

1,513,653. COMBINED CIGARETTE AND MATCH HOLDER. ALBERT ROMAIN TALLMAN, Nashville, Tenn. Filed Mar. 24, 1924. Serial No. 701,542. 2 Claims. (Cl. 206-38.)



1. A case for cigarettes and the like, comprising hinged connected members, one of which is provided with an offset match receptacle, said member having an opening giving access to the matches in the receptacle from the inside of the case.

1,513,654. TRIGGER ATTACHMENT FOR FIREARMS. EUGENE T. THOMPSON, Tiffin, Ohio. Filed May 17, 1923. Serial No. 639,582. 4 Claims. (Cl. 42-69.)

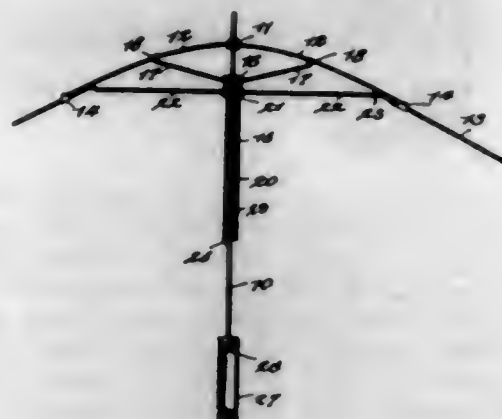


1. A trigger attachment for firearms including a trigger, a trigger guard, a spring-actuated plunger rotatably and slidably mounted within the guard in position to strike the trigger when released.

1,513,655. FOLDING UMBRELLA. ALBERT B. TURNER, New York, N. Y. Filed Oct. 23, 1920. Serial No. 419,030. 1 Claim. (Cl. 135-25.)

A foldable umbrella of the character described comprising a central rod, an exteriorly screw threaded boss secured to the lower end of the rod, a hollow handle section having interior screw threads adapted to receive the screw threads of the boss and said section

being slidable to its entire length on the rod, a pair of sleeves telescopically arranged one within the other and slidably secured on the rod in a manner to be engaged by the handle section when the umbrella is in folded position, ribs radially extending from the upper end



of said rod for a pivotal connection therewith, stretchers pivotally secured to the tops of said sleeves and with said ribs, the outermost of said sleeves being slotted, a stud projecting from the innermost sleeve for movement in the slot and a plurality of spring catches secured on the rod as and for the purpose specified.

1,513,656. INSULATING CAP FOR ELECTRICAL CABLE JOINTS. FREDERIK MARINUS VAN GELDEREN, Enschede, Netherlands. Filed Apr. 27, 1923. Serial No. 635,107. 2 Claims. (Cl. 173-268.)

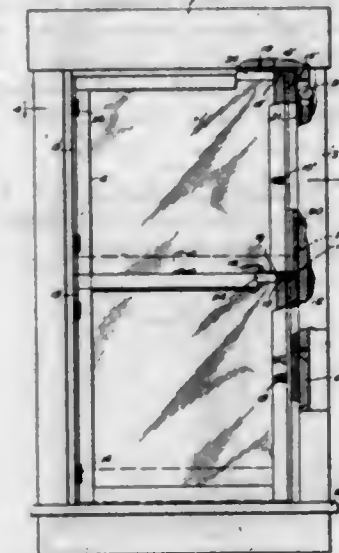


1. A one-piece insulating cap for the bared ends of electrical conductors, said cap comprising non-conducting and non-hygroscopic material having a conical recess into which the insulation of the conductors is adapted to wedge as the cap is threaded upon the bared ends, and a threaded bore extending inwardly from said recess, the material of said cap being harder than the conductors, whereby the threads of said bore will cut their own threads upon said conductors as the cap is turned upon the same.

1,513,657. WINDOW. CAMILLO VERI, Garfield, N. J. Filed Oct. 3, 1923. Serial No. 666,370. 1 Claim. (Cl. 20-50.)

In a window structure, a window frame having a pair of slide-ways and an aperture substantially midway of the window frame extending into one of said slide-ways, a sash comprising a pair of sliding bars fitting into said slide-ways, said sash being formed with a pane receiving sash frame, hinge members for hingedly connecting said sash frame with one of said sliding bars, means acting as a catch for disengageably locking the other of said sliding bars to the opposite edge of said sash frame, a plate hingedly connected to the top of said last mentioned sliding bar and normally overlapping the upper end of said sash frame, said plate hav-

ing oppositely extending pins, one of said pins normally extending into said sash frame and the other into said aperture in said window frame when the plate is swung away from the sash frame whereby a second catch is



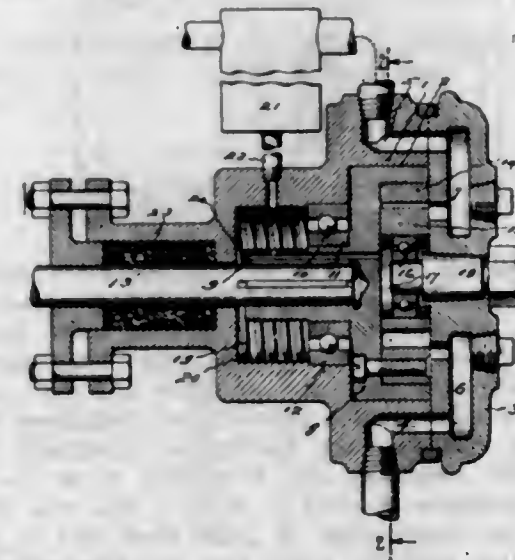
provided for the last mentioned bar for preventing independent upward movement thereof whereby said catch may be moved to a disengaged position and said sash frame swung on its hinges without permitting the sliding bar to move upwardly.

1,513,658. FORE-END CONSTRUCTION FOR FIREARMS. EDWARD A. WADSWORTH, Wolcott, N. Y., assignor to The Hunter Arms Company Inc., Fulton, N. Y., a Corporation of New York. Filed May 26, 1922. Serial No. 563,883. 8 Claims. (Cl. 42-75.)



1. In a firearm, a fore end comprising a body, a fore end iron embedded in the rear portion of the body and having a block at the rear end of the body and a recoil member extending lengthwise of the front portion of the body and having a shoulder at its front end thrusting against the front end of the body and being connected at its rear end to said iron.

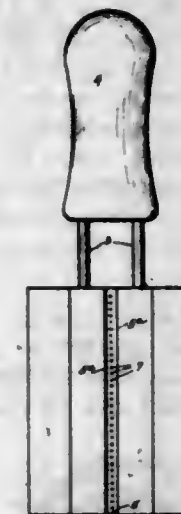
1,513,659. LUBRICATING AND SEALING MEANS FOR ROTARY PUMPS. GEORGE W. WARDWELL, South Norwalk, Conn., assignor to The Hill Compressor and Pump Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 24, 1923. Serial No. 670,496. 5 Claims. (Cl. 230-30.)



1. A rotary pump comprising a casing containing a pumping chamber, a head closing one end of the pumping chamber, said head having an intake to and discharge

from said chamber, a rotor rotatable in and having an axial movement in said chamber, intermeshing internally toothed and externally toothed pumping gears in front of the rotor, said internally toothed gear being fastened to the rotor, a pressure cavity in the casing open to the back of the rotor, means connecting said pressure cavity with the discharge from the pump, and a passage extending axially through the rotor to a cavity in the center of the gears for admitting discharge pressure from the cavity back of the rotor to the cavity in the center of the gears and permitting lubricant to flow from the cavity back of the rotor to the front of the rotor and work out between the end faces of the gear teeth and the head end wall of the pumping chamber, to the discharge.

1,513,660. HAIRBRUSH. ANNIE F. W. WEST, Pittsburgh, Pa. Filed Dec. 3, 1923. Serial No. 678,254. 3 Claims. (Cl. 132-14.)



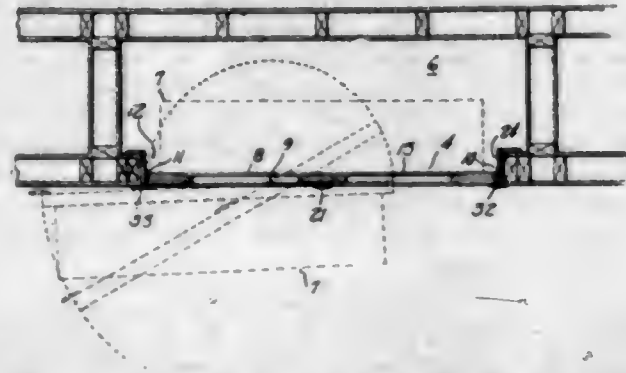
3. In a hair brush, a hollow metallic body of polygonal cross-section, certain faces of said body being provided with inwardly projecting channel elements extending longitudinally of the body, and teeth secured in said elements and projecting beyond the body.

1,513,661. STUMP-BLASTING TOOL. SYLVESTER WEYRICK, Newcastle, Wash. Filed Feb. 18, 1922. Serial No. 537,590. 1 Claim. (Cl. 56-21.)



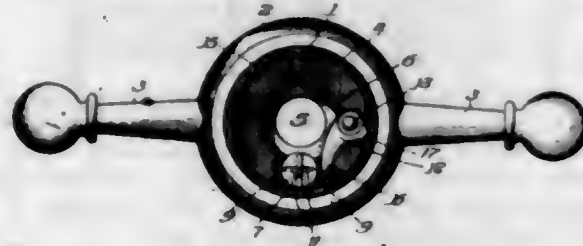
A tool for the purpose indicated having a tubular shank and an integrally connected spoon head, the latter being formed by flattening the extremity of the shank and the spoon being laterally extended to have a contour following a gradual curve with a rounded extremity, the spoon head being deflected to be disposed in obstructing relation to the bore of the shank.

1,513,662. WALL-BED-CONCEALING MEANS. ARTHUR C. WHEELLOCK, Oakland, Calif., assignor to California Wall Bed Company, San Francisco, Calif., a Corporation of California. Filed Mar. 10, 1923. Serial No. 624,124. 4 Claims. (Cl. 20-1.11.)



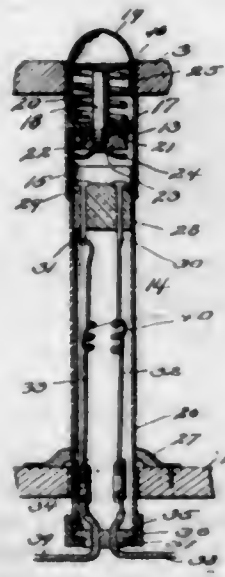
1. The combination with a foldable bed adapted to swing through an opening in a wall, of a panel adapted for closing said opening pivoted intermediate its vertical edges about a vertical axis and arranged to carry said bed on one side thereof, means extending along one of said edges of the panel adapted to overlap the wall at one side of said opening when the panel is in closed position, and means extending along the wall at the opposite side of said opening adapted to overlap the panel when the latter is in closed position.

1,513,663. RADIATOR-CAP LOCK. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1920. Serial No. 411,254. 3 Claims. (Cl. 70-90.)



1. A lock for radiator caps and the like, comprising a locking dog pivotally mounted within the cap and having a nose adapted to engage and bind against the inner surface of the radiator nipple, and a key-operated bolt within said cap movable into and out of cooperation with said dog to control its position.

1,513,664. AUTOMOBILE THEFT-ALARM SWITCH. LOGAN T. WILLIAMSON, Atlanta, Ga. Filed June 9, 1923. Serial No. 644,404. 4 Claims. (Cl. 200-85.)



1. A switch for automobile theft alarms, adapted to bridge spaces of various size between parallel spaced walls, comprising a two-part tubular casing, one part be-

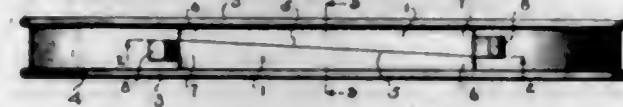
ing invariably secured to one wall, and having a socket at the lower end, the other part being exteriorly threaded adjacent its lower end for a distance at least equal to the range of differences in the width of spaces which the device is designed to bridge, said part being engageable with a threaded bore in the other wall, and advanceable by screwing, into telescopic relation with the socket of the first part, and cooperating switch contacts one retained in each casing part.

1,513,665. HAT HOLDER. BENJAMIN C. WINELAND, Great Bend, Kans. Filed Dec. 30, 1922. Serial No. 609,939. 1 Claim. (Cl. 24-255.)



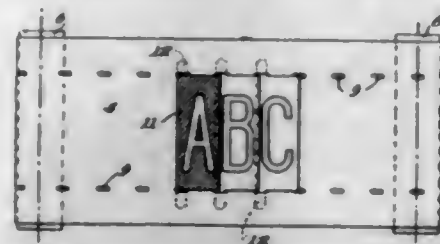
A hat holder comprising a length of resilient wire, bent into substantially V-shaped formation, a hat engaging element through which the apex of the V-shaped part passes, the extremities of the wire being convoluted and extended parallel, and a clip adapted to be secured to a support at its center, and inwardly directed curved flanges formed on the clip and embracing the extremities of the wire.

1,513,666. METHOD OF AND DEVICE FOR HOLDING METAL RIMS WHILE SHRINKING. BARNEY WORLER, Payne, Ohio. Filed Sept. 30, 1922. Serial No. 591,678. 7 Claims. (Cl. 78-1.)



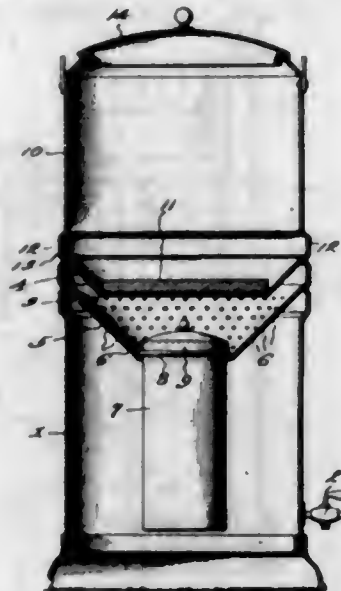
1. Means for preventing the flanges of metal wheel rims from lateral distortion while being shrunk, comprising coating removable members shaped so as to fit between and engage the flanges of the rim and to be retained therein during shrinking.

1,513,667. ADVERTISING DEVICE. MARY MATTHEW-MAN, London, England. Filed Jan. 17, 1924. Serial No. 686,848. 2 Claims. (Cl. 40-96.)



1. Advertising apparatus of the character described, comprising a casing, a plurality of rollers mounted within the casing, an upright movable flexible band extending around portions of the rollers, said band having a longitudinally-extending row of slots adjacent each of its opposite edges, and a plurality of juxtaposed flexible advertising symbols each having an integrally formed substantially co-planar lug projecting from its upper edge for engagement with a slot of the row of slots adjacent the upper edge of said band and a similar lug projecting from its lower edge for engagement with a slot of the row of slots adjacent the lower edge of said band, each of said lugs being adjacent a side edge of the symbol with which it is associated.

1,513,668. WATER FILTER. THOMAS B. MILLER, Jacksonville, Fla. Filed Nov. 11, 1922. Serial No. 600,319. 1 Claim. (Cl. 210-105.)



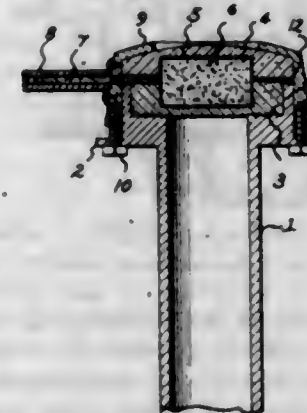
A device of the class described comprising a receptacle, a pan of tapered shape having a rim at its upper enlarged end for engaging the rim of the receptacle with its tapered part depending into the receptacle, said pan having a central opening therein, an ice tank having a head at its upper end for supporting the tank in the said opening in the pan, a cover for said tank, a filter bucket having a rim adjacent its end for resting upon the rim of the pan, said bucket having an inwardly sloping bottom part extending into the pan, filtering material forming a portion of the bottom of the bucket and a cover for said bucket.

1,513,669. EXPANSIBLE BOLT. ROBERT. NICHWARNER and RUMSEY C. SMITHSON, Charles Town, W. Va. Filed Nov. 25, 1922. Serial No. 603,254. 3 Claims. (Cl. 85-2.4.)



1. In a device of the character described comprising a hollow cylindrical member slotted at each end and externally threaded for a portion of its length, and a threaded expander passing through said cylindrical member, a tapered nut on said expander engaging the threaded end of said hollow cylindrical member, a second nut on the extending threaded portion of said hollow cylindrical member.

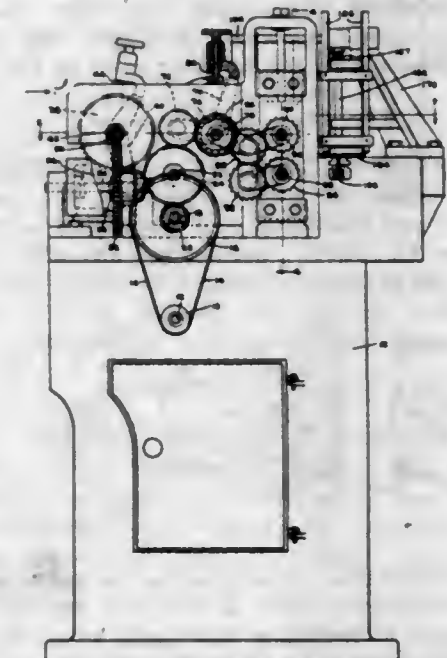
1,513,670. SPRINKLER. ALBERT NUHN, Vermilion, Ohio. Filed Mar. 26, 1923. Serial No. 627,769. 2 Claims. (Cl. 169-37.)



1. A fire extinguisher of the class described comprising a supply pipe, a support adjacent the open end thereof, a pair of fragile members located on the support and

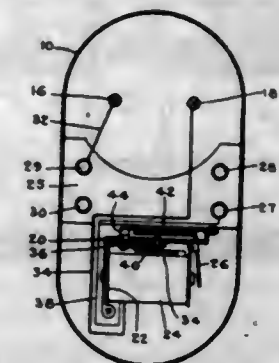
covering the open end of the pipe, means for clamping the two members together, said members being centrally recessed to provide a chamber, a cartridge in the chamber, a fuse leading from the cartridge to the exterior of the device and means for spreading the stream flowing from the pipe.

1,513,671. RING-CUTTING MACHINE. GEORGE W. OLNEY, Minneapolis, Minn., assignor to Baker Valve Company, Minneapolis, Minn., a Corporation. Filed May 26, 1919. Serial No. 299,710. 14 Claims. (Cl. 90-16.)



1. A ring cutting machine comprising two offset milling cutters, and means for taking rings one at a time from a stack of rings and feeding them to said cutters to form a step cut in said rings by a single cutting operation.

1,513,672. APPARATUS FOR TESTING ELECTRICAL SYSTEMS. DAVID W. ONAN, Minneapolis, Minn. Filed Nov. 13, 1920. Serial No. 423,834. 3 Claims. (Cl. 175-183.)

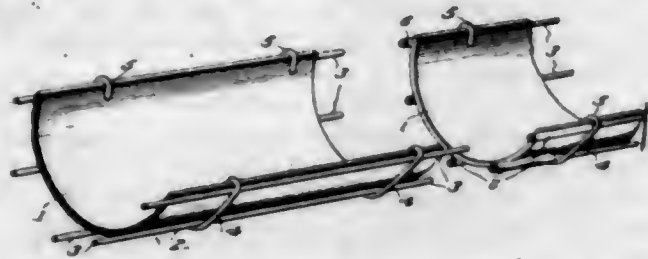


1. Apparatus for testing electrical systems comprising a case, an ammeter mounted in said case, a buzzer mounted in said case, a coil of coarse wire for said buzzer connected to one post of said ammeter, a coil of fine wire for said buzzer, means whereby said ammeter and said coil of coarse wire may be connected in the circuit to be tested, and means whereby said coil of fine wire may be connected separately in said circuit.

1,513,673. ROOFING TROUGH. JAMES H. PEARSON, Bloomfield, Ind. Filed Aug. 11, 1923. Serial No. 656,786. 1 Claim. (Cl. 108-28.)

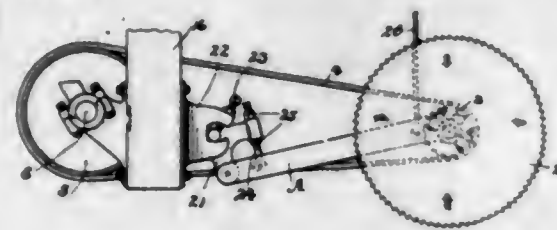
An eave trough comprising a plurality of sections, each composed of a body of composition roofing material and a reinforcing frame of transversely and longitudinally

extending wires, the ends of the transversely extending wires being bent over into engagement with the edges of



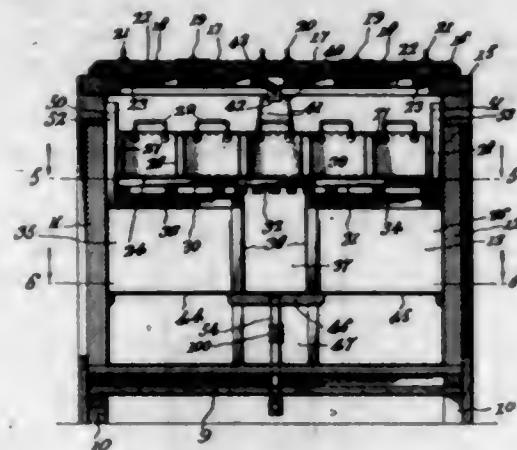
the body, thimbles connecting with the ends of the longitudinally extending wires to gether and an overlapping strip cemented to the abutting ends of the bodies.

1,513,674. BELT TIGHTENER AND ALIGNMENT DEVICE. JOSEPH S. REID, Olean, N. Y., assignor to Clark Brothers Company, a Corporation of New York. Filed Aug. 15, 1922. Serial No. 581,978. 3 Claims. (Cl. 143-41.)



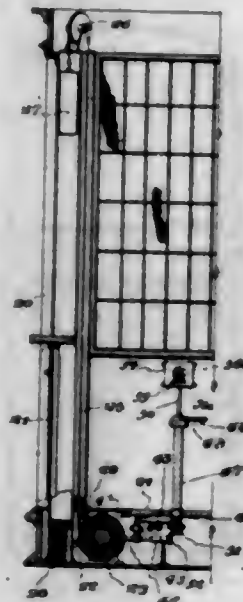
1. The combination of a rotating member, a swinging saw-frame carrying a saw, a belt for driving the saw, a belt-tightener including a bell-crank lever to which the swinging saw frame is pivoted, and means connected with the saw frame and adjustably connected with the bell crank lever for applying tension upon the belt.

1,513,675. ICE BOX. JOSEPH MILES RHODES, Halls, Tenn. Filed Jan. 16, 1924. Serial No. 686,659. 5 Claims. (Cl. 62-58.)



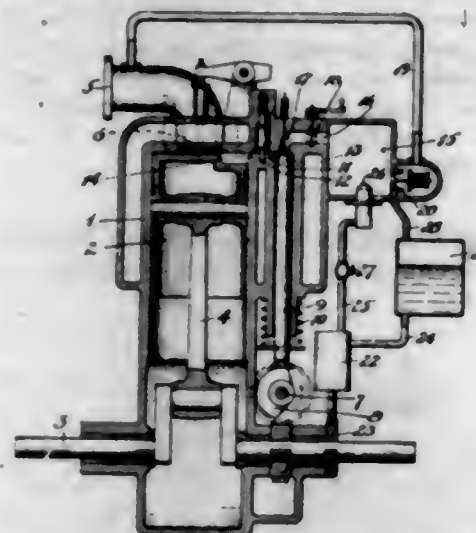
5. A combined ice box and refrigerator comprising a bottom, end, front and rear walls erected on the bottom; doors in the front walls, strips upon the walls forming shoulders, a sectional cover adapted to seat upon said shoulders, beads upon the strips for confining the edges of the cover, an ice bin in the intermediate part of the cabinet, said ice bin opening upwardly, bottom sections at opposite sides of the upper open portion of the ice bin, false end walls connecting with the outer ends of said bottom sections and providing ventilating channels with the end walls of the cabinet, false bottoms held upon said bottom sections, an intermediate false bottom spanning the space above the ice bin, balls carried by the ends of said intermediate false bottom, clips for holding said balls, trays carried upon said false bottoms for holding bottled goods, a drain pipe for the ice box, and a stand pipe connecting with the space above the ice bin for regulating the level of water.

1,513,676. WINDOW GUARD. STANLEY SKURNIAK, Chicago, Ill. Filed June 30, 1922. Serial No. 571,880. 4 Claims. (Cl. 20-1.01.)



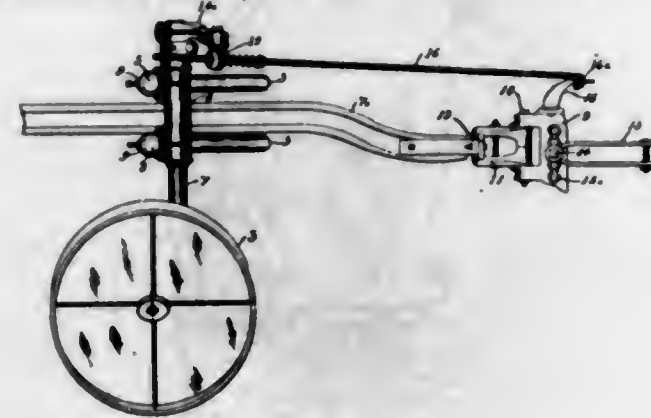
1. A guard of the character specified comprising a roller, a curtain connected to the roller, means for drawing the curtain upwardly to operative position, a pinion having connection with said roller, a second pinion engaged with said first named pinion, a driven shaft connected to said second named pinion and including a pair of slidably connected aligned sections, a driving shaft having connection with one of the sections of said driven shaft, a tubular member receiving said driving shaft and having its lower end provided with a radial member, a link connected to said radial member, means connecting the link to one of the sections of said driven shaft whereby the rotation of said tubular member results in the longitudinal movement of said driven member and the said second named pinion, and a handle connected to said tubular member at the upper end thereof and adapted to be manually engaged for turning the tubular member and thereby releasing the second named pinion from engagement with the first named pinion.

1,513,677. INTERNAL-COMBUSTION ENGINE. BENJAMIN C. SMITH, Westfield, N. J. Filed May 5, 1923. Serial No. 636,995. 10 Claims. (Cl. 123-131.)



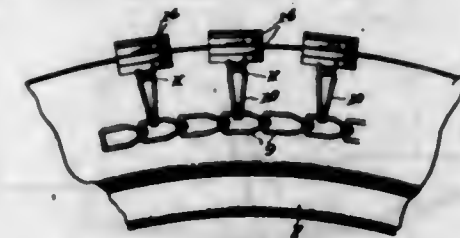
1. In an internal combustion engine, a working cylinder having an air inlet and an exhaust outlet, a fuel chamber for containing a quantity of gas heavily charged with finely divided liquid hydrocarbon in suspension, a gas inlet into said chamber, a check valve therein, means for heavily charging said gas in said chamber with said fuel in said state through another inlet, and means for measuring off and positively forcing a portion of said prepared fuel from said chamber into the combustion chamber of the cylinder at predetermined intervals to form with the air in the latter an ignitable charge.

1,513,678. SULKY PLOW. SHELDON S. SPIRE, Syracuse, N. Y., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 28, 1919. Serial No. 341,073. 2 Claims. (Cl. 97-180.)



1. In a sulky plow an axle having an upward extending portion, a bearing in which said portion is journaled, a rock arm fixed upon said upward extending portion, means for limiting the turning movement of the rock arm, a draft member, means connecting the draft member and said arm to cause the wheel to caster during the turning of the sulky, said means comprising a push and pull rod connected to said arm and a spring between the rod and said arm and arranged to permit the rod to yield relative to said arm when the turning of the axle is limited by the first mentioned means.

1,513,679. NONSKID AUTOMOBILE CHAIN. GEORGE E. THIMMES, Mechanicsville, Iowa. Filed July 23, 1924. Serial No. 727,733. 1 Claim. (Cl. 152-14.)

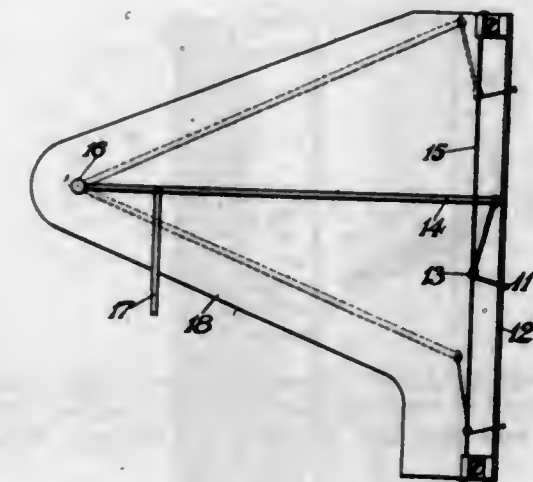


A cross chain comprising links having spaced side portions inclined in relatively opposite directions with end portions also inclined in relatively opposite directions and joining the extremities of said side portions, and narrow elongated bars of substantially rectangular cross section having spaced grooves extending cross-wise of the bars, said grooves being upon the inner surfaces of the bars and opening through said bottom edges, said grooves being inclined in relatively opposite directions whereby to receive the side portions of said chain links, said side portions being welded in said grooves, said bars extending as to length substantially in the same direction with the circumference of the tire on which the cross chain is used.

1,513,680. STRAIGHT-LINE INDICATOR. MORRIS M. TITTERINGTON, Brooklyn, N. Y., assignor to Pioneer Instrument Company, a Copartnership consisting of Charles H. Colvin, Brice H. Goldsborough, and Morris M. Titterington, Brooklyn, N. Y. Filed Apr. 28, 1923. Serial No. 635,405. 5 Claims. (Cl. 116-129.)

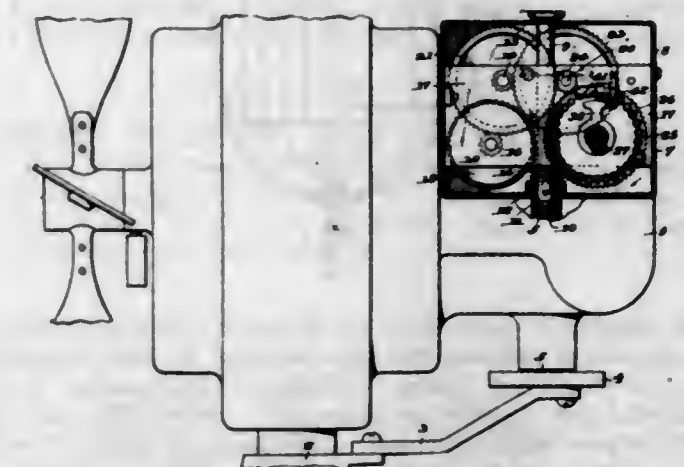
5. An indicating apparatus comprising in combination, a substantially plane chart, an index cooperable with

said chart, a member and means for moving the same angularly in a plane substantially at right angles to the



plane of said chart, and means actuated by the angular movement of said member for moving said index substantially rectilinearly and parallel to said chart.

1,513,681. SWITCH-OPERATING MECHANISM FOR CONTROLLING MOTORS. DANIEL W. WARD, Memphis, Tenn., assignor of one-half to David A. Strickland, Memphis, Tenn. Filed Mar. 28, 1922. Serial No. 547,595. Renewed Aug. 25, 1924. 9 Claims. (Cl. 192-142.)

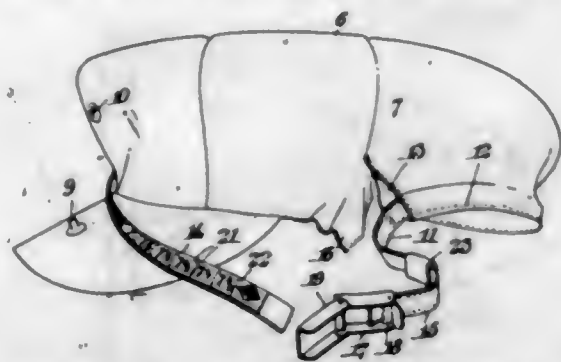


1. In a switch operating mechanism for controlling motors, the combination with driving means, of an elapsed time wheel operated by said driving means, a quick make-and-break snap switch controlling the circuit of the motor, and a rotarily mounted switch-actuating device adapted to be continuously rotated by the time wheel when coupled thereto for the purpose of positively engaging and operating said snap switch after a predetermined time interval has elapsed.

1,513,682. CAP. MAX WEINSTEIN and ISIDORE GOLDSTEIN, New York, N. Y., assignors of one-half to Weinstein Manufacturing Co., New York, N. Y., a Corporation of New York, and one-half to Pekett Headwear Co., New York, N. Y., a Corporation of New York. Filed Aug. 4, 1924. Serial No. 730,087. 2 Claims. (Cl. 2-197.)

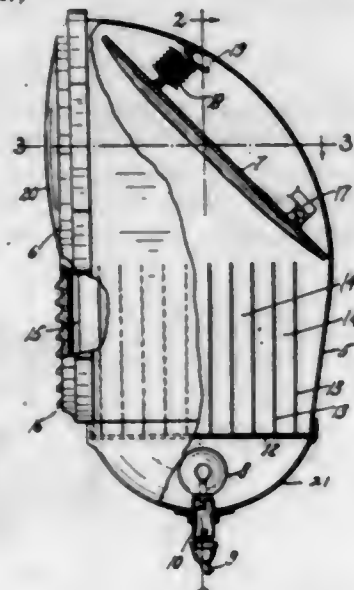
2. A cap of the character described, formed with adjustable interfittng side portions, flaps projecting forwardly from the rear portions of the cap and meeting in overlapping relation at the front of the cap, a buckle secured to one of said flaps, said buckle comprising a body having a straight channel with a wall at its rear and adapted to receive the other of said flaps for free

sliding movement, a lever on said buckle adapted to be free of said channel or to press the said other flap against the rear wall, size indicia on that side of the



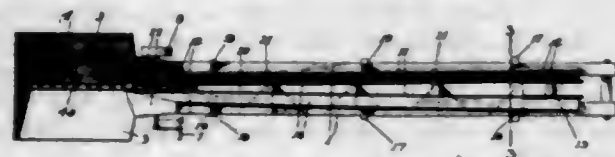
said other flap lying next to said rear wall, and a transparent protective covering for the said indicia firmly secured to said flap and forming a stiffening element therefor.

1,513,683. LAMP. LESLIE E. WESTOVER, Denver, Colo. Filed June 21, 1922. Serial No. 569,908. 1 Claim. (Cl. 240-41.)



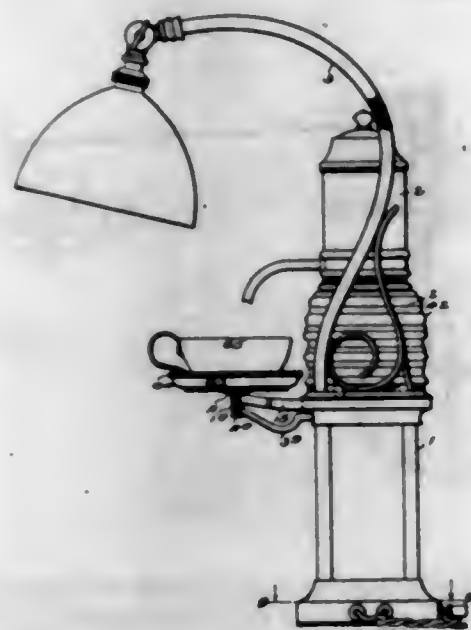
A headlight comprising an elongate housing having a glass-covered opening for the emission of light adjacent an end thereof, a source of light in the housing at its opposite end, a reflector disposed to reflect the light of said source toward the end of the housing provided with the opening, and a second reflector angularly disposed relative to the first reflector and the opening to bend the reflected light rays toward the latter, and a series of parallel partitions dividing the passage in the housing between the reflectors into channels adapted to restrict the light rays so that they may pass through the opening in substantially parallel relation to each other, the housing having opposite and in spaced relation to said series of partitions, a second glass-covered opening for the emission of light at a reduced intensity.

1,513,684. ARTICHOKE GRADER. RALPH R. WOODMAN, Pescadero, Calif. Filed Mar. 25, 1924. Serial No. 701,697. 5 Claims. (Cl. 130-32.)



1. A grader comprising horizontal endless driven ropes divergently and transversely spaced, longitudinally spaced sets of sheaves over which said ropes pass, the produce to be graded being fed onto said ropes at one end thereof, and means for imparting a longitudinal jerky movement in a continuous direction to the ropes with the travel thereof.

1,513,685. COMBINED ALARM CLOCK AND ARTICLE HEATER. ARISTIDE ARDOVINO, Naples, Italy. Filed Jan. 4, 1923. Serial No. 610,712. 17 Claims. (Cl. 161-1.)



1. In combination, an alarm clock and an article heater, an electrical circuit for said heater, a movable frame, a drum having a pair of spaced but bridged contacts on its circumference and mounted to turn with the alarm mechanism of the clock, a lever formed at one end with a hook adapted to engage one of said contacts to close said circuit and at the other with a latch element adapted to engage said frame thereby to cause disengagement of the hook from the last-mentioned contact to open said circuit upon a movement of said frame, and means for automatically moving said frame after heating said article.

1,513,686. SHOCK ABSORBER. CHARLES E. ARNISON, Sioux Falls, S. Dak. Filed Nov. 21, 1923. Serial No. 676,111. 3 Claims. (Cl. 267-10.)

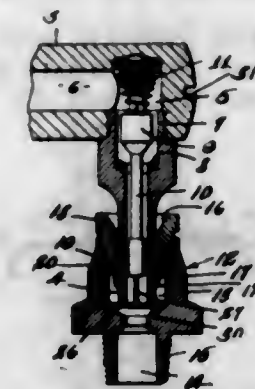


1. In a shock absorber, a pair of cylinders of varying diameters having a port establishing communication between the lower ends thereof, a piston in the smaller cylinder having a rod extending downwardly through the bottom of the smaller cylinder and the latter having an air outlet at its upper end, means to connect the piston to the front axle of a vehicle, means to support the cylinders from the frame of a vehicle, and a body of liquid in the cylinders.

1,513,687. LUBRICATOR AND FILLER THEREFOR. CHESTER A. BACON, Auburn, N. Y., assignor to Bowen Products Corporation, Auburn, N. Y., a Corporation of New York. Filed July 27, 1921. Serial No. 487,987. 6 Claims. (Cl. 284-19.)

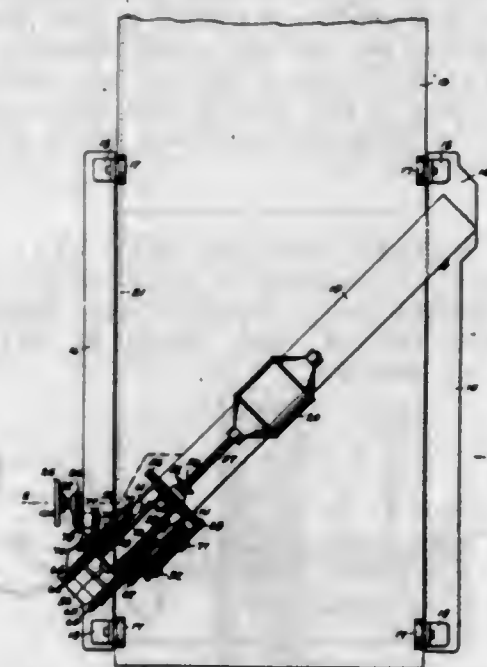
6. The combination of a lubricant cup having a receiving chamber and an outlet passage of less diameter than the receiving chamber, and the feed element having a nozzle for entering the cup terminating with its inner end near the bottom of the cup and with its passage in line with the outlet passage of the cup, the cup being provided with a flexible washer spaced apart from the bottom of the cup, the opening of the washer being of

less diameter than the nozzle whereby the washer assumes a conical form when the nozzle is passed there-through, a valve in the nozzle normally closing the same and having a stem extending toward the free end of the nozzle, a valve opener in the cup below the washer for engaging the end of the stem when the nozzle is inserted into the cup through the washer, all whereby the fluid flowing from the nozzle is initially passed to the



outlet passage of the cup and thereafter fills the chamber of the cup so that the pressure thereof causes the washer to grip the nozzle and seal the joint between the nozzle and the cup and overcome the tendency of the nozzle to be forced out of the cup by the back pressure and whereby the part to be lubricated and the cup is filled before the back pressure tends to force the nozzle out of the cup, substantially as and for the purpose specified.

1,513,688. FABRIC CUTTER. WILLIAM R. BARRETT, New York, N. Y. Filed Feb. 9, 1923. Serial No. 618,058. 7 Claims. (Cl. 164-77.)



1. In a fabric cutter of the character described including a prime mover, a cutter, means for operating the cutter, means for shifting the cutter after each cut, and means for alternately connecting the cutter operating means and shifting means to the prime mover.

1,513,689. APPARATUS FOR MAKING ICE. MAXWELL H. BAXTER, Charleston, S. C. Filed Jan. 24, 1924. Serial No. 688,271. 5 Claims. (Cl. 62-159.)

1. In an ice freezing can, a central tube, said tube being provided with openings, means for supporting the

lower end of the tube, and an arm secured to one side of said can and engaging the upper end of the tube, said arm being adapted to be released from the tube by the

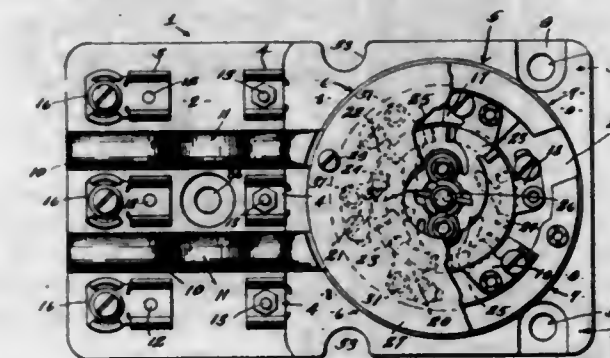


weight of the ice during the dumping operation and being adapted to return to its original position when the can is returned to normal position.

1,513,690. PROCESS FOR PURIFYING LIQUIDS. ALBERT LOUIS BENOIT, Olsterwijk, Netherlands. Filed Nov. 19, 1923. Serial No. 675,780. 11 Claims. (Cl. 210-203.)

1. A process for purifying liquids comprising, filtering the liquids to be purified, through chrome leather scraps.

1,513,691. COMBINED FUSE AND SWITCH BLOCK. CARL H. BISSELL, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Apr. 30, 1920. Serial No. 377,950. 4 Claims. (Cl. 200-133.)

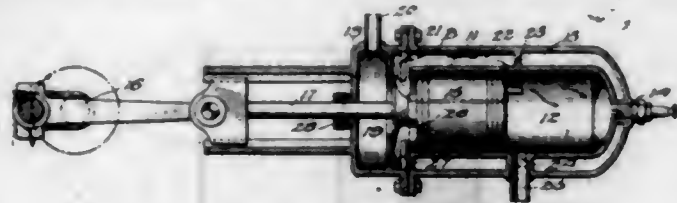


1. A combined fuse block and switch comprising a rectangular base having a substantial flat face on one end portion thereof, and a circular switch base rising from the other end portion thereof, the base block being formed with recesses in the opposite margins thereof located at points where the switch base recedes away from the edge of the base block toward the central portion of the block, substantially as and for the purpose described.

1,513,692. VALVE ACTION. JOHN FRANCIS BRICE, Bensalem Township, Bucks County, Pa. Filed Oct. 11, 1922. Serial No. 593,897. 4 Claims. (Cl. 123-74.)

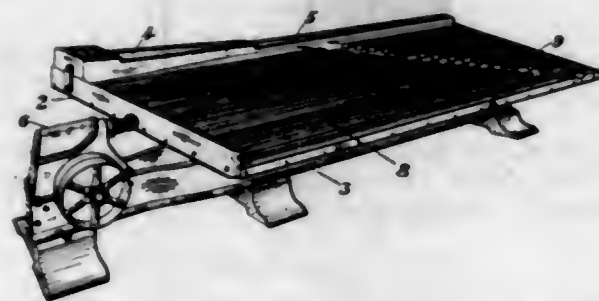
4. In an internal combustion engine, a cylinder, a casing formed on one end of the cylinder providing a charge receiving chamber, said casing having an opening formed in one wall establishing communication with the cylinder,

a piston rod extending through the charge receiving chamber and said opening, a valve, adapted for seating over the opening in the casing wall to close the same,



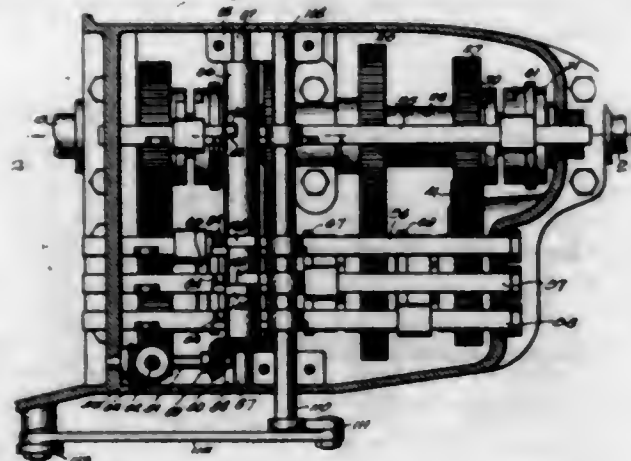
slidably mounted on the piston rod, said valve frictionally engaging the piston rod, and a plurality of radial projections mounted in the cylinder for limiting the movement of the valve with the piston rod.

1,513,693. ORE CONCENTRATOR. WILLIAM A. BUTCHART, Denver, Colo. Filed Feb. 13, 1923. Serial No. 618,821. 9 Claims. (Cl. 83-88.)



1. A concentrator comprising a table having a transversely inclined, rifled concentrating surface, and means for causing a movement of concentrates between the rifles to a discharge-end of the same, the table having a channel extending transversely of its rifled surface.

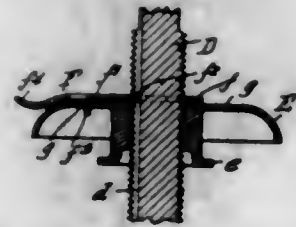
1,513,694. TRANSMISSION. WILLIAM STANTON CUNNINGHAM, Shreveport, La. Filed July 31, 1923. Serial No. 654,900. 5 Claims. (Cl. 74-59.)



1. The combination with a variable speed transmission which includes drive, driven and counter shafts, and a speed change mechanism comprising a plurality of independently operable elements, means for coupling said elements with the counter shaft, a speed changing unit loosely mounted on the driven shaft having a plurality of complementary speed changing elements constantly engaging the counter shaft speed changing elements, means operable by movement of the clutch lever to clutching position, to couple the drive and driven shafts for direct driving and for simultaneously effecting uncoupling of the driven shaft speed changing elements and the uncoupling of the counter shaft with the driven shaft, of manually operable mechanism for normally holding all of said means inactive upon letting-in of the clutch, said mechanism being manually operable to selectively release any one of said means, said mechanism comprising slide bars respectively connected with the

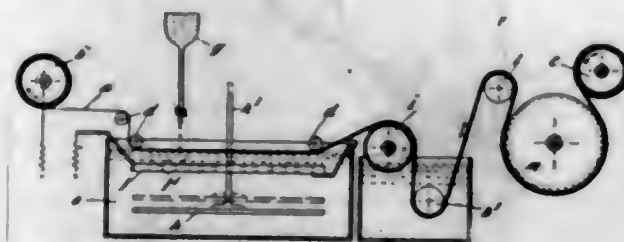
speed changing elements, a connector latch on each slide bar, a rotary clutch operated shaft having a plurality of feet secured thereto respectively for cooperation with each latch to move the slide bars in an actuating direction, a rotary manually operable selector shaft having notches, and lugs on each connector latch and slide bar cooperating with the notches to release the slide bar and permit the foot to coast with the corresponding connector latch of the speed selected.

1,513,695. LOCKING DEVICE FOR CHAIR BASES. ROBERT K. DAWSON, Akron, N. Y. Filed Sept. 9, 1922. Serial No. 587,064. 1 Claim. (Cl. 155-93.)



In a chair, the combination of a chair base, a spindle rotatably supported on said base and having a threaded portion, an adjusting nut engaging said threaded portion for varying the elevation of said spindle with reference to said base, and a locking device consisting of a relatively thin metal plate having an enlarged portion provided with an aperture through which said spindle loosely extends, and having a part permanently engaging with a cooperating part of said spindle to prevent at all times the turning of said device relatively to said spindle whereby said device is freely movable lengthwise of said spindle independently of said nut, said locking device having a radial extension forming a handle whereby the device may be readily manipulated, said handle having a downwardly projecting part formed integral therewith and adapted to engage with a recess on said nut when said device rests on said nut to hold said nut against turning relatively to said spindle, said radial extension also serving as a weight which tends to move said downwardly projecting part on said lateral extension into engagement with said recess in said nut, and whereby said device is adapted to grip parts of said spindle when the device is out of engagement with said nut, to permit the adjustment of said nut.

1,513,696. MANUFACTURE OF GOLD LEAF. FREDERICH DEMEL, Twickenham, England, assignor of one-half to Richard Tindall Leighton, Hove, Sussex, England. Filed Oct. 29, 1923. Serial No. 671,550. 5 Claims. (Cl. 204-6.)



1. Apparatus for electrolytically gilding on one surface a band of base metal, of which band the other surface is unprotected by an adhesive coating, comprising an electrolytic bath and means for causing the band to travel through the bath with one only of its faces in contact with the electrolyte.

1,513,697. DEVICE FOR USE IN CONSTRUCTING BUILDINGS. EDWARD J. DOUGHERTY, Bryn Mawr, Pa. Filed Dec. 22, 1922. Serial No. 608,439. 4 Claims. (Cl. 25-131.)

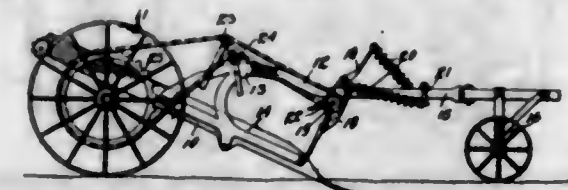
1. A device for erecting a concrete wall having upright studding imbedded in the wall, comprising two series of upright members located respectively on opposite sides

of the studding, connections uniting the lower ends and the upper ends of the members of one series with the corresponding members of the other series of upright



members, and removable plates bearing against the inner sides of the members of each series and forming a space between them to receive the concrete.

1,513,698. POTATO-DIGGER ATTACHMENT. ISSACHAR HAMMOND DOW, Easton, Me. Filed Mar. 31, 1921. Serial No. 457,417. 2 Claims. (Cl. 53-53.)



2. In a potato harvester, a digger element, a forwardly inclined conveyor element, a tongue attached to the conveyor and extending forwardly therefrom, a crankshaft carried by the tongue, kickers mounted on the crankshaft, means pivotally connected to the tongue for towing the digger element, and springs having their ends attached to the kickers and said towing means, substantially as set forth.

1,513,699. TRAVELING BARREL PUMP. WARREN E. ELLIS, Gridley, Kans., assignor, by direct and mesne assignments, to Ellis Manufacturing Company, Kansas City, Kans. Filed Jan. 8, 1924. Serial No. 685,033. 6 Claims. (Cl. 103-180.)



1. In a pump, a tubular standard provided at its upper portion with a piston and valve, a working barrel surrounding said standard and piston, a cap nut at the

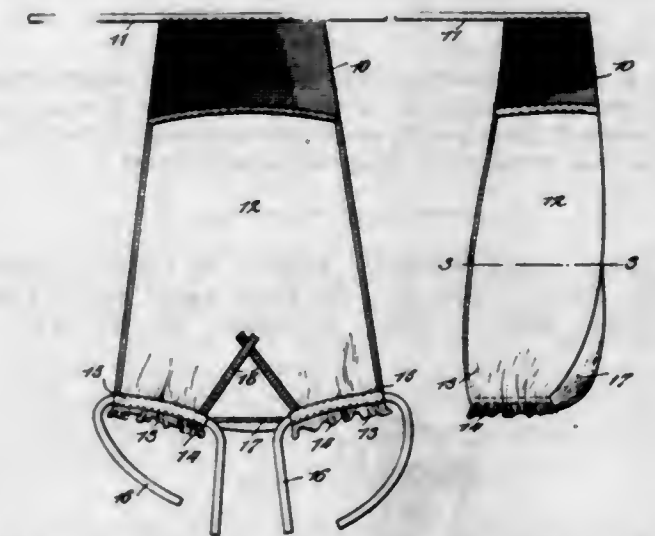
lower end of said barrel, and a valve carried by said nut to restrict the passage of liquid between the barrel and standard in downward stroke of the former.

1,513,700. NECKBAND. DAVID FEIGENBAUM, Jamaica, N. Y. Filed Mar. 8, 1924. Serial No. 697,867. 3 Claims. (Cl. 2-127.)



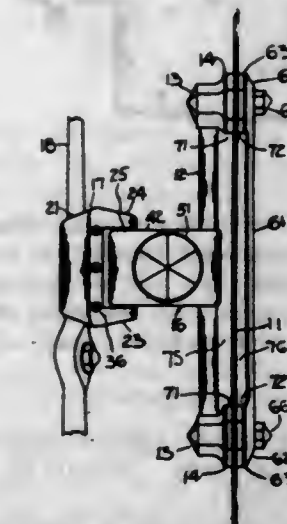
1. A neck band including an inner part comprising a pair of sections, one of said sections being provided with curved portions along one longitudinal edge adjacent each end and the other section being provided with a plurality of inwardly extending notches adjacent each end positioned opposite said curved portions, said inner part being folded along a central longitudinal line, said line at the ends curving to conform to said curved edges.

1,513,701. SANITARY APRON. HARRY A. FINE, College Point, N. Y. Filed May 13, 1921. Serial No. 469,215. 3 Claims. (Cl. 128-287.)



2. A garment comprising a longitudinal strip of flexible water-proof material formed with a pair of leg embracing portions at one end, and a portion connected with the leg embracing portions and forming a bag-like receptacle between the latter, and means for securing the ends of the leg embracing portions to the legs of the wearer at a point adjacent the knees whereby the bag-like receptacle will be disposed between the legs.

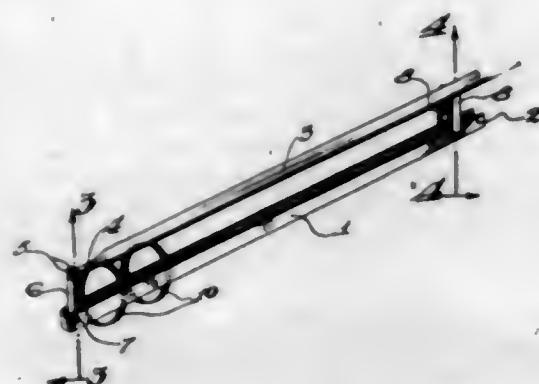
1,513,702. SIDE WINDSHIELD FOR AUTOMOBILES. FRANK H. FISSE, Cincinnati, Ohio, assignor to The K-W Auto Specialty Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 2, 1922. Serial No. 598,465. 9 Claims. (Cl. 290-84.)



1. In a side windshield for an automobile, the combination of a frangible shield-plate, a bar extending along each face of said frangible shield-plate within the area

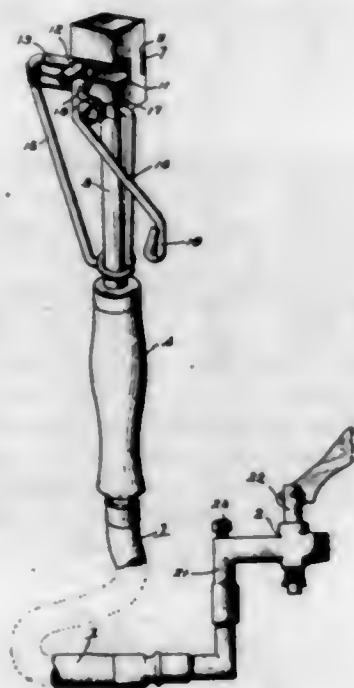
of said frangible shield-plate, and tension members received through said frangible shield-plate having connections with both said bars for clamping said bars and said frangible shield-plate together.

1,513,703. SPRING-INSERTING TOOL. GEORGE FRISCH, Chicago, Ill. Filed July 6, 1923. Serial No. 649,932. 5 Claims. (Cl. 29-87.1.)



1. A spring inserting tool comprising a substantially U-shaped body adapted to receive springs between the legs thereof, and means pivotally connected to the body for forcing the springs from between the legs.

1,513,704. GASLIGHTER. SAMUEL E. GUINN, Johnson City, Tenn. Filed Nov. 26, 1921, Serial No. 517,907. Renewed Mar. 27, 1924. 7 Claims. (Cl. 67-6.1.)

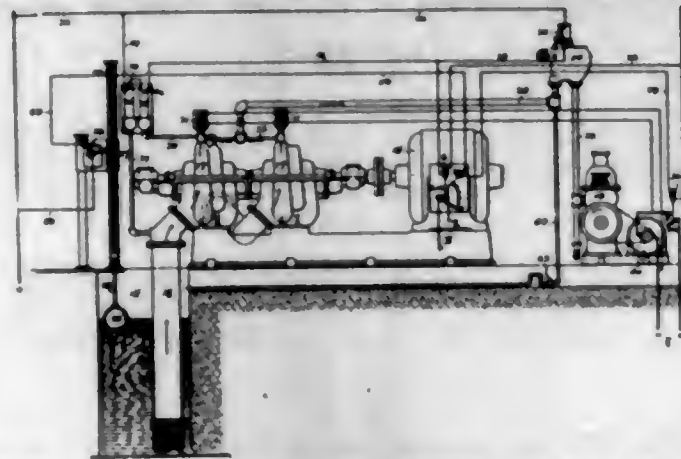


1. A gas lighter including a gas pipe, an ignition casing arranged at one end thereof, a holder for pyrophoric material movable in but wholly free of engagement with said casing, and an abrading element for said material removably secured to one wall of said casing.

1,513,705. PUMP SYSTEM. OTTO HAENTJENS, Hazleton, Pa. Filed July 14, 1923. Serial No. 651,583. 10 Claims. (Cl. 103-25.)

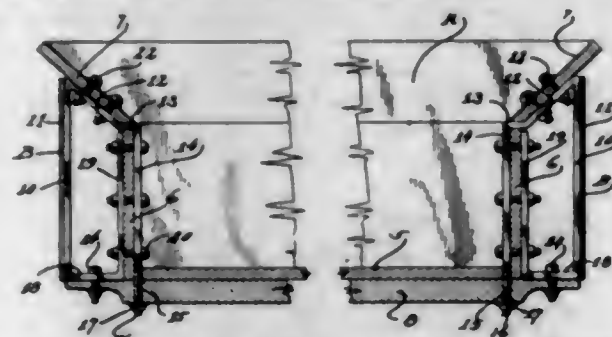
1. A pump system comprising a centrifugal pump, an electric motor for driving the same, a priming pump connected to the centrifugal pump, a float chamber ar-

anged in said connection, and a float-operated switch controlling the energization of the centrifugal pump



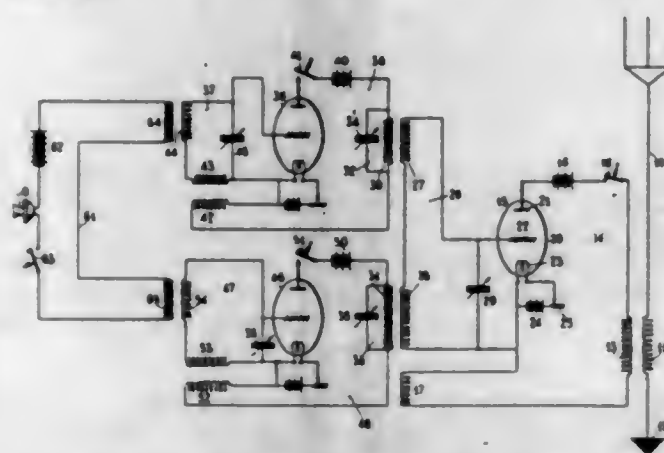
motor, a normally open shunt around the float switch, and means for closing said shunt circuit when the centrifugal pump is in operation.

1,513,706. VEHICLE-BODY BRACE. BENJAMIN F. HAGER, Keystone, W. Va. Filed Oct. 5, 1922. Serial No. 592,572. 3 Claims. (Cl. 296-30.)



1. The combination with a vehicle body including a bottom, side walls, a flaring board, and a cross bar extending beneath the bottom and beyond the side walls, of a bracing device having portions secured to the inner and outer faces of the side walls and other portions extending from the first-mentioned portions and secured against the under face of the flaring board and upper face of the extended end portion of said cross bar, and a vertically disposed strut connecting the outer ends of the last mentioned portions and extending in spaced relation to the side walls.

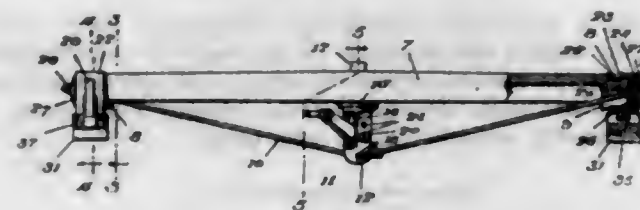
1,513,707. TRANSMISSION AND RECEIVING SYSTEM. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Original application filed Aug. 5, 1919, Serial No. 315,463. Renewed Jan. 25, 1923. Patent No. 1,472,218, dated Oct. 30, 1923. Divided and this application filed July 21, 1923. Serial No. 652,900. 16 Claims. (Cl. 250-8.)



1. A method of transmitting and receiving energy which consists in generating a series of impulses having impressed therein a plurality of series of modifications of different frequencies respectively, receiving some of

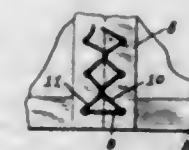
the energy of said impulses and modifications and causing the same to cooperate in producing a wave having a frequency determined solely by said first-mentioned frequencies.

1,513,708. BRAKE BEAM. FRANK HUISMAN, Oshkosh, Wis. Filed June 4, 1921, Serial No. 475,041. Renewed June 12, 1924. 4 Claims. (Cl. 188-232.)



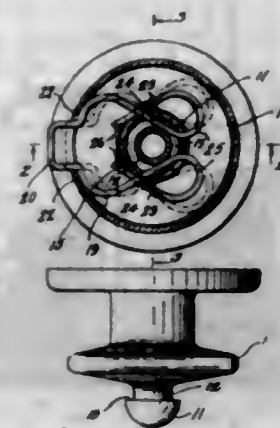
2. A brake beam of channel shape, a truss rod therefor, a post between said rod and beam having a circular stud fitted within the beam, the flanges of the beam having concave recesses receiving said stud, the post having a shoulder to bear against the edges of said flanges, and means connecting the stud and beam for drawing them together.

1,513,709. SECTIONAL RUG PAD. LEO C. LETZKUS, Pittsburgh, Pa. Filed Sept. 24, 1923. Serial No. 664,643. 2 Claims. (Cl. 154-55.)



2. A rug pad comprising a series of units, each unit consisting of two flat sheets of material, a corrugated member interposed between the same to provide a cushioning member, and a laced hinge member joining said units so that the strands of same may slide therein to allow the faces of said units to be folded together.

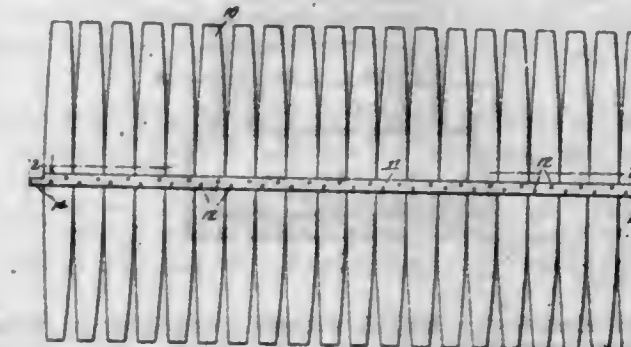
1,513,710. SEPARABLE FASTENER. ARTHUR J. LEWIS, Stratford, Conn., assignor to The Autoyre Company, Oakville, Conn., a Corporation of Connecticut. Filed Jan. 28, 1924. Serial No. 688,923. 6 Claims. (Cl. 24-211.)



1. In a separable fastener, a pair of separable members one of which has a socket and the other a headed stud adapted for insertion in said socket, and a resilient securing element extending through the side of the socket in position to engage under said head and having a portion projecting from said socket member for manual operation, said securing element also having a portion engaging the side of the socket and adapted for camming action thereon upon operation of said element to withdraw said element from beneath said head and release the stud.

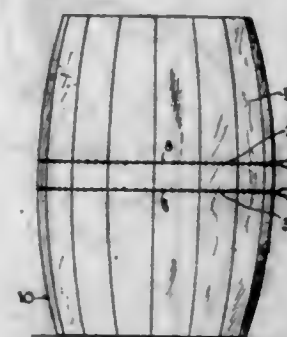
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1,513,711. KNOCKDOWN BARREL. ROBERT J. MC-CLENNY, East Palatka, and DAVID B. BARDIN, Palatka, Fla., assignors to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Filed June 20, 1922. Serial No. 569,693. 1 Claim. (Cl. 217-44.)



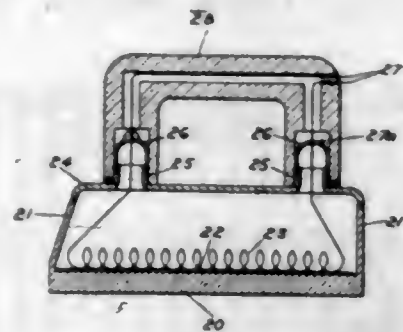
In a knockdown barrel, a foldable body portion consisting of a series of staves, each formed with a rectangular intermediate portion and oppositely tapered end portions, said intermediate portions permanently abutting throughout and arranged in juxtaposition, a narrow, flat, flexible, connecting member mounted centrally and transversely of said intermediate portions and having oppositely disposed reduced rectangular end terminal portions, one of said terminal portions arranged against and permanently secured to one outer stave of the series and the other terminal portion extended permanently from the other outer stave of the series and abutting against the first mentioned outer stave and opposing the inner edge of said other reduced terminal portion when the staves are folded to form a bilged barrel body, and holdfast devices for permanently securing said member, other than said extended reduced terminal portion, directly to each of said staves, the said extended reduced terminal portion adapted to be detachably secured in position to maintain the staves folded to form the bilged barrel body and with said tapered end portions abutting throughout.

1,513,712. METHOD OF MANUFACTURING COLLAPSIBLE BARRELS. ROBERT J. MC-CLENNY, St. Louis, Mo., assignor to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Filed Dec. 3, 1923. Serial No. 678,361. 3 Claims. (Cl. 217-44.)



1. A method of manufacturing a collapsible barrel body comprising the positioning of a series of barrel staves in flat sidewise relation, securing to the outer face of said arranged staves near their transverse centers thereof a pair of spaced inner flexible connecting members of a length to project from said outer staves of each series, shaping said connected series of staves into a barrel body with the projected ends of said members disconnected, applying a removable holding element to each end of said body for temporarily securing it in shaped position, then securing to the outer face of said body portion shaped barrel body in proximity to each of said holding elements an outer flexible connecting member having free end terminal portions extended from said body, and then removing said holding elements to permit of the collapsing of said barrel body.

1,513,713. ELECTRICALLY-HEATED UTENSIL. FREDERICK S. McCULLOUGH, Wilkesburg, Pa. Filed Oct. 8, 1923. Serial No. 667,111. 6 Claims. (Cl. 219-26.)



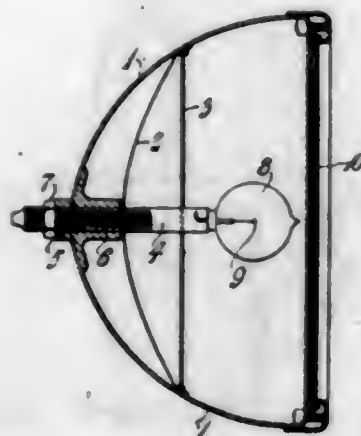
1. An electrically heated utensil comprising a metal body, an air-tight chamber in the body, an electrical heating element in the chamber, and a glass seal for the chamber fused on to the metal, said chamber having the oxygen removed therefrom.

1,513,714. BUMPER BRACKET. WILLIAM R. McGOWEN, Chicago, Ill. Filed Mar. 13, 1924. Serial No. 698,982. 6 Claims. (Cl. 293-55.)



1. A hook member of substantially U form having one leg bent inwardly in a horizontal plane and provided with a hole through said leg portion at a point below said bend, the other leg terminating at a point below the said bend and disposed in position to abut against a bolt extending through said hole.

1,513,715. HEADLAMP FOR AUTOMOBILES. WILLIAM EDWARD MARSHALL and PHILIP GEORGE PAGE McCULLOUGH, London, England, assignors to Non-Dazlite, Limited, London, England. Filed Mar. 20, 1924. Serial No. 700,541. 1 Claim. (Cl. 240-41.)



A vehicle headlight comprising a casing, a substantially paraboloidal reflector within the casing, the focal length of which is greater than two inches, a socket supported axially of the reflector, and a light source in the socket lying at the focus of the reflector, outside the plane of the edge thereof and within the boundary of the casing, said light source comprising a substantially spherical incandescent lamp bulb having a long horizontal filament lying in front of the geometrical center of the bulb a distance less than two millimeters and in a plane at right angles to the axis of the bulb and reflector whereby a laterally spread beam of light is produced with a minimum upward divergence.

1,513,716. CRANK-SHAFT-DRESSING IMPLEMENT. WILLIAM N. METCALF, De Witt, Ark. Filed May 8, 1923. Serial No. 637,538. 1 Claim. (Cl. 29-80.)



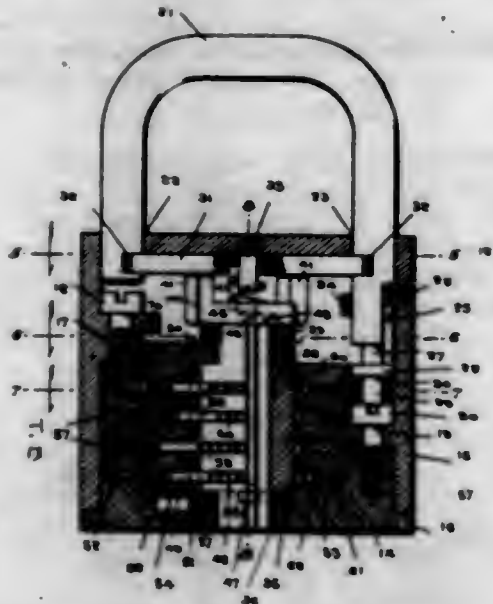
A shaft dressing implement comprising side bars, means to adjust the relation of the bars in parallelism, spaced clamps slidable upon the bars, and cutters having their opposite ends engaged by the clamps and clamped rigidly thereby relative to the side bars.

1,513,717. COUPLING MEANS FOR AUTOMOBILE TRAILERS. ARTHUR MILLS, Sacramento, Calif. Filed May 23, 1921. Serial No. 471,591. 8 Claims. (Cl. 280-33.9.)



1. In an automobile trailer, coupling means therefor to attach the trailer to an automobile, comprising a pair of poles arranged on opposite sides of the longitudinal center line of the trailer and having a yoke journaled in and connecting them, said yoke having an intermediately V-shaped portion between the poles and being movable to automatically drop by gravity into engagement with the ground to hold the trailer against retrograde movement on a down grade should the automobile stop on a hill.

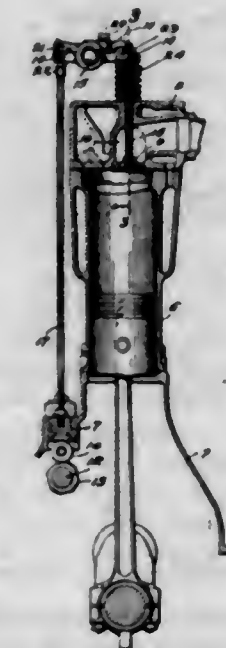
1,513,718. LOCK. TERRY BRYAN MOREHOUSE, Washington, D. C. Filed June 4, 1923. Serial No. 643,306. 57 Claims. (Cl. 70-93.)



2. In a lock, a body, a key operable member movable in said body to operative and key changing positions and having openings, the body having recesses for the registration of said openings in the key changing position of said member, tumbler members to be disposed in said openings and recesses, said recesses receiving the surplus tumbler members when a key is inserted in the key operable member in the key changing position thereof, means in the body cooperable with said openings of the key operable member and tumbler members therein, in

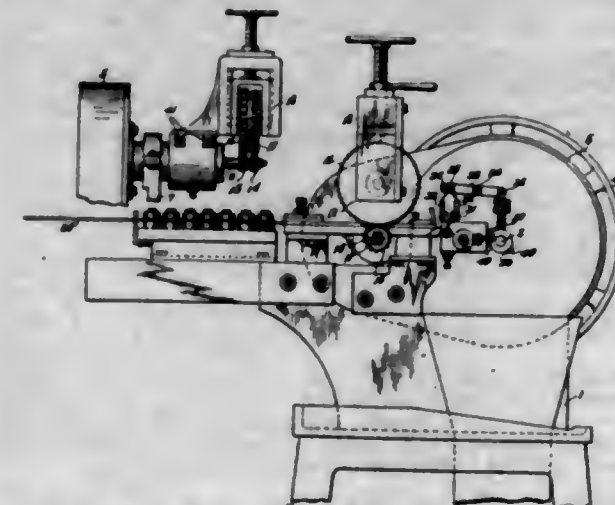
the operative position of the key operable member, for preventing said key operable member being operated excepting by the previously selected key, and releasable means for preventing the key operable member from being moved to key changing position, in combination with a combination changing key insertable in said key operable member to control the last named means and tumbler members for moving the key operable member to combination changing position.

1,513,719. EXPANSION AND COMPENSATING DEVICE FOR VALVE-ACTUATING MECHANISM. WILLIAM M. ANDERSON, Minneapolis, Minn. Filed Nov. 23, 1922. Serial No. 602,756. 6 Claims. (Cl. 123-90.)



1. An internal combustion engine having extended valve-actuating connections and provided with thermally influenced compensating means associated with said valve-actuating connections and arranged to offset the effect on said valve-actuating connections, of expansion and contraction of the cylinder structure, said compensating means including compensating rods extended within the cylinder head structure and anchored thereto substantially in the plane of said valves and having substantially the same coefficient of expansion as the said valves.

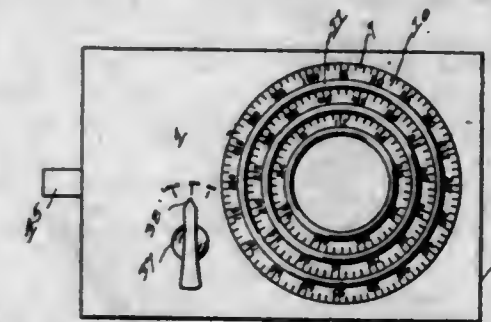
1,513,720. LOCK-WASHER-MAKING MACHINE. ARTHUR G. SAILER, Massillon, Ohio, assignor to The Sailer & Melvin Manufacturing Company, Massillon, Ohio, a Corporation of Ohio. Filed July 5, 1923. Serial No. 649,443. 4 Claims. (Cl. 153-66.)



1. A machine for making lock washers including coil forming mechanism for coiling a wire, feed rolls for feeding a wire thereto, a shear for severing washers from the coiled wire, a driven shaft for operating the

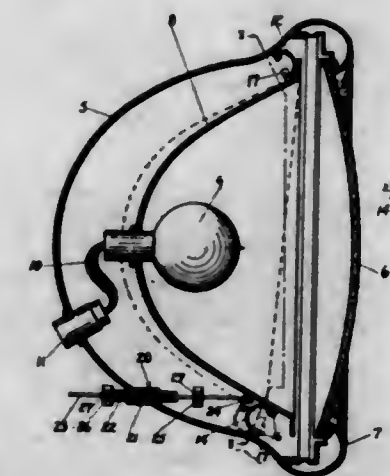
shear, a shaft upon which one of the feed rolls is fixed, a disk upon the feed roll shaft provided with four peripheral recesses and a rotating element upon the driven shaft having a projection adapted to successively enter the recesses at each revolution of the disk, so as to intermittently rotate the feed rolls, to make four intermittent quarter revolutions of the feed rolls with each complete revolution of the feed roll shaft.

1,513,721. COMBINATION LOCK. ROBERT R. WILSON, Spokane, Wash., assignor of forty-five per cent to Frank A. Jonas, Waitsburg, Wash.; five per cent to G. Wilson, Spokane, Wash.; and five per cent to A. V. Bibeau, Walla Walla, Wash. Filed May 31, 1922. Serial No. 564,942. 10 Claims. (Cl. 70-53.)



1. In a combination lock, a case, indicating dials rotatably mounted on said case, slotted tubular rings rotatable with said dials, a ratchet bolt slidably mounted in said case in operable contiguity with said rings, means to lock said bolt, when in the locked position, against forced retraction.

1,513,722. TILTING HEADLIGHT. EDMUND B. WHITCOMB, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed May 5, 1919. Serial No. 294,722. 11 Claims. (Cl. 240-41.)



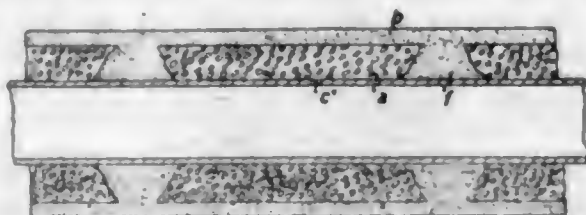
1. In a headlight, a casing, a reflector mounted to tilt therein, a rod attached to said reflector, an adjustable stop carried thereby and a member mounted in said casing to guide said rod and to cooperate with said stop to limit the movement of said reflector.

8. In a headlight, the combination of a casing, a reflector pivotally mounted therein, means to limit the pivotal movements of said reflector, a spring to move said reflector to either of two limiting positions and means for connecting the ends of said spring directly with said casing and said reflector.

1,513,723. HEAT-INSULATING LAGGING. HEINRICH BOHLANDER, Cologne-on-the-Rhine, Germany. Filed Feb. 2, 1924. Serial No. 690,319. 1 Claim. (Cl. 154-44.)

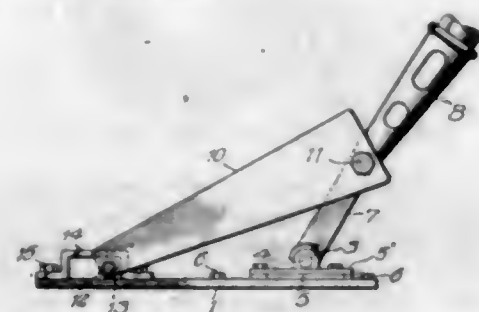
A heat insulating covering for pipes consisting of two layers of heat insulating materials, an inner layer composed of a loose dry mixture of slag wool and kieselguhr, and an outer layer composed of a hardened plastic hav-

ing circumferentially arranged and longitudinally spaced feet extending through the inner layer and into engagement with the surface of the pipe, the sides of adjacent



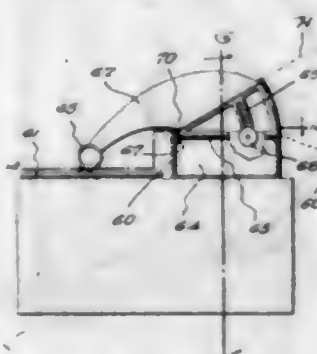
feet being flared inwardly of the covering and toward each other, forming dovetailed recesses by means of which the two layers are united together and held in contact with the pipe.

1,513,724. TRACK LINER. JOHN CLARK, Walkerton, Ind. Filed May 3, 1924. Serial No. 710,844. 6 Claims. (Cl. 254-44.)



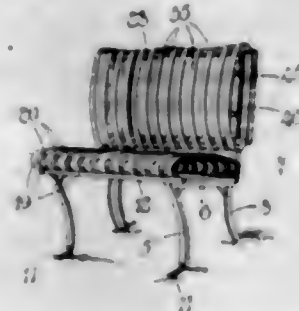
1. A track liner comprising a base plate, an operating lever pivotally associated therewith and having a foot longitudinally slidable thereon, and a track engaging lever having one end pivoted to said operating lever and having its other end movably associated with said base plate.

1,513,725. TALKING MACHINE. ARTHUR B. CROSER and FRANK B. CROSER, Beloit, Wis. Filed Mar. 24, 1922. Serial No. 546,355. 7 Claims. (Cl. 274-2.)



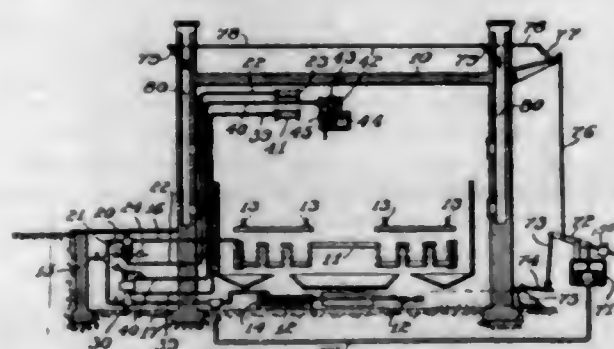
1. The combination with a sound reproducing and recording machine, of a resonance chamber located at the inner end of the tone arm.

1,513,726. SEAT. HENRY ARTHUR LAMPLUGH, Olton, England. Filed Nov. 13, 1923. Serial No. 674,571. 3 Claims. (Cl. 155-179.)



1. In a seat, stands arranged in spaced relation, a seat supporting frame and a back supporting frame on said stands, bowed resilient strips arranged transversely with respect to said frames and having their concave sides presented thereto and their ends luted and secured thereto, the said back supporting frame having a curved upper bar presenting a concave front side, the resilient strips of the seat supporting frame being of two sets and the members of one set being smaller than and arranged intermediate those of the other and so that each larger strip extends above and also at one end beyond the next adjacent smaller strip, said concave front side of said top bar of the back supporting frame imparting a concave surface to the outer face of the resilient strips of said frame, and the said resilient strips of said back supporting frame, being of such lengths and so arranged as to conform at their upper ends to the concave shape of the top bar.

1,513,727. DRYING-CONTROL APPARATUS. ARTHUR E. KIRCK, Indianapolis, Ind., assignor to The Humidity Control Company, Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 10, 1922. Serial No. 551,053. 41 Claims. (Cl. 236-44.)



1. In combination, a dry-kiln, air humidifying means therefor, control means for controlling said air-humidifying means, and automatic means for operating said control means to produce alternate lowerings and raisings of the relative humidity of the air in the dry-kiln, said control means being arranged to shift at each operation the relative humidity value of its point of operation.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Absorbent Products Corporation, New York, N. Y. Absorbent fabrics. 190,190; Oct. 7; Serial No. 196,783; published July 22, 1924.
- Agua Imperial Sociedad Anónima, Barcelona, Spain. Mineral waters, gases, powders, and salts for mineral waters, and condensates of the said salts. 190,149; Oct. 7; Serial No. 197,792; published July 29, 1924.
- American Lady Corset Co., Detroit, Mich. Corsets, corset waists, brassières, etc. 190,118; Oct. 7; Serial No. 197,239; published July 29, 1924.
- American Multiple Fabric Company, Olneyville, R. I. Hydraulic hose. 26,059; renewed Feb. 19, 1925.
- American Steel Foundries, Chicago, Ill. Carrier irons, etc., used in connection with draft mechanism for railway cars. 190,173; Oct. 7; Serial No. 185,777; published July 22, 1924.
- American Thread Company, The. (See Willmantic Linen Company, The, assignor.)
- Angelus Sanitary Can Machine Company, Los Angeles, Calif. Can machinery. 190,089; Oct. 7; Serial No. 196,846; published July 22, 1924.
- Atz, W. E., doing business as H. L. Lelbe Company, Newark, N. J. Metal alloy. 190,105; Oct. 7; Serial No. 195,042; published July 22, 1924.
- Banks, Arthur J., St. Lambert, Quebec, Canada. Fermentation meters. 190,170; Oct. 7; Serial No. 184,016; published July 29, 1924.
- Barber, F. W., doing business as The Barber Products Company, Nashville, Tenn. Preparation for killing and repelling flies and to be sprayed upon cattle. 190,230; Oct. 7; Serial No. 197,650; published July 29, 1924.
- Barnett, I. H. & Brother, New York, N. Y. Men's flannel negligee shirts. 190,114; Oct. 7; Serial No. 197,353; published July 29, 1924.
- Bayley, W. D., trustee of the E. W. Ross Company, Springfield, Ohio. Metal alloys. 190,281; Oct. 7.
- Beach, Mally P., Ridgefield, Conn. Floating toys. 190,207; Oct. 7; Serial No. 188,465; published Aug. 5, 1924.
- Bean, Lewis U., Philadelphia, Pa. Cleaning preparation. 25,077; renewed Feb. 5, 1925.
- Bear Cat Holst Company, The, Muskogee, Okla. Holsting attachments for tractors. 190,117; Oct. 17; Serial No. 197,244; published July 22, 1924.
- Bee Cell Co., The, Buffalo, N. Y. Tessary. 190,077; Oct. 7; Serial No. 197,651; published July 29, 1924.
- Beltit Brassiere Co. Inc., Brooklyn, N. Y. Brassières, brassiere corsets, and bandeaux. 190,087; Oct. 7; Serial No. 196,950; published July 22, 1924.
- Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, shirts, etc. 190,098; Oct. 7; Serial No. 195,074; published July 29, 1924.
- Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Collars, pyjamas, night-robes, underwear, and shirts. 190,142; Oct. 7; Serial No. 195,676; published July 22, 1924.
- Berkley Knitting Company, Philadelphia, Pa. Neckties and cravats. 190,186; Oct. 7; Serial No. 181,668; published July 29, 1924.
- Berks Knitting Company, Inc., Reading, Pa. Ladies' hosiery. 190,158; Oct. 7; Serial No. 197,924; published July 29, 1924.
- Blandford, Charles G., Ossining, N. Y. Beverages sold as soft drinks. 190,218-19; Oct. 7; Serial Nos. 197,319-20; published Aug. 5, 1924.
- Borgfeldt, George, & Co., New York, N. Y. Dolls and toys. 190,152; Oct. 7; Serial No. 198,172; published July 29, 1924.
- Borth, William, Baraboo, Wis. Pet-cock-operating tool. 190,053; Oct. 7; Serial No. 180,466; published July 22, 1924.
- Boysform Brassiere Co., The, New York, N. Y. Brassières. 190,251-2; Oct. 7; Serial Nos. 190,760-1; published July 22, 1924.
- Bryan-Koefe & Co., Tampa, Fla. Mayonnaise. 190,166; Oct. 7; Serial No. 198,222; published July 29, 1924.
- Burton, Samuel G., Wheeling, W. Va. Butter and eggs. 190,122; Oct. 7; Serial No. 197,130; published July 29, 1924.
- Carbide & Carbon Chemicals Corporation, New York, N. Y. Solvents. 190,229; Oct. 7; Serial No. 197,056; published July 22, 1924.
- Carleton Dry Goods Co., St. Louis, Mo. Dress shirts, gowns, and pyjamas. 190,115; Oct. 7; Serial No. 197,323; published July 29, 1924.
- Carnrick, John, assignor to Reed & Carnrick, New York, N. Y. Antitoxin and tissue builder. 25,787; renewed Jan. 1, 1925.
- Cary Maple Sugar Co., St. Johnsbury, Vt. Maple sugar and sirup. 190,279; Oct. 7.
- Castle, Willmot, Company, Rochester, N. Y. Sterilizers for dentists, etc., and bacteriological incubators. 190,248; Oct. 7; Serial No. 189,875; published July 22, 1924.
- Chipman Knitting Mills, Easton, Pa. Hosiery. 190,256; Oct. 7; Serial No. 191,531; published July 29, 1924.
- Clayton, Walter O., Grand Island, Nebr. Liver pills. 190,221; Oct. 7; Serial No. 197,925; published July 29, 1924.
- Clover Leaf Products Co., Los Angeles, Calif. Ginger ale, root beer, and beverages sold as soft drinks. 190,210; Oct. 7; Serial No. 194,849; published Aug. 5, 1924.
- Conlter, Nellie G., Fort Wayne, Ind. Men's cloth caps. 190,092; Oct. 7; Serial No. 196,007; published July 29, 1924.
- Cohen, Goldman & Co. Inc., New York, N. Y. Men's and children's overcoats. 190,192; Oct. 7; Serial No. 196,694; published July 29, 1924.
- Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. 190,241; Oct. 7; Serial No. 190,235; published July 22, 1924.
- Crescent Washing Machine Company, Incorporated, New Rochelle, N. Y. Dishwashing machines and metal-parts-washing machines. 190,283; Oct. 7.
- Cuesta, Key & Company, Tampa, Fla. Cigars. 190,154; Oct. 7; Serial No. 198,625; published July 29, 1924.
- Cumberland Tobacco Works, Nashville, Tenn. Smoking and chewing tobacco. 190,070; Oct. 7; Serial No. 145,057; published Mar. 25, 1924.
- Davis Engineering Corporation, Wilmington, Del., and Elizabeth, N. J. Combination gas and water heaters. 190,180; Oct. 7; Serial No. 196,794; published July 22, 1924.
- Dawidoff, Rebecca, New York, N. Y. Remedy for perspiring and aching feet. 190,226; Oct. 7; Serial No. 197,705; published July 29, 1924.
- Deep Drawn Metal Corporation, Brooklyn, N. Y. Meat broilers. 190,121; Oct. 7; Serial No. 197,138; published July 22, 1924.
- Delker, George, Company, The, Henderson, Ky. Regular coaster wagons adapted to be changed into sleds. 190,269; Oct. 7; Serial No. 198,058; published Aug. 5, 1924.
- Delker, George, Company, The, Henderson, Ky. Children's coaster wagons. 190,270; Oct. 7; Serial No. 198,059; published Aug. 5, 1924.
- De Sherbinin, Helen K., Buffalo, N. Y. Dishwashing machines. 190,101; Oct. 7; Serial No. 195,503; published July 29, 1924.
- Detroit Butter & Egg Co., Detroit, Mich. Broken eggs in cans. 190,255; Oct. 7; Serial No. 191,372; published July 29, 1924.
- Diamond Braiding Mills, Chicago Heights, Ill. Shoe laces. 190,280; Oct. 7.
- Distillator, H. L. & Son, Inc., New York, N. Y. Ladies' hats. 190,191; Oct. 7; Serial No. 196,696; published July 22, 1924.
- Drescher, Gustav, Halle-on-the-Saale, Germany. Vacuum cleaners and parts thereof. 190,167; Oct. 7; Serial No. 198,291; published July 22, 1924.
- E-X-L Hydrometer Works, (See Manos, Con.)
- Eagle Knitting Mills, Milwaukee, Wis. Spats. 190,169; Oct. 7; Serial No. 189,362; published July 22, 1924.
- Eastman Kodak Company, Rochester, N. Y. Photographic developer. 190,272; Oct. 7; Serial No. 198,126; published July 29, 1924.
- Ebinger, D. A., Sanitary Mfg. Co., The, Columbus, Ohio. Urinals, closets, drinking fountains, etc. 190,125; Oct. 7; Serial No. 197,066; published July 29, 1924.
- Equipment Corporation of America, Chicago, Ill. Machines, devices, machinery, and apparatus for making concrete, etc. 190,068; Oct. 7; Serial No. 163,386; published July 22, 1924.
- Evans, L. B., Son Company, Wakefield, Mass. Footwear. 190,253; Oct. 7; Serial No. 190,877; published July 29, 1924.
- Ferry Cap & Set Screw Co., The, Cleveland, Ohio. Shackle-bolt nuts. 190,188; Oct. 7; Serial No. 196,799; published July 22, 1924.
- Fife, A. W., Jacksonville, Fla. Preparation for eczema, etc. 190,235; Oct. 7; Serial No. 197,592; published July 22, 1924.
- Fleischaker & Baum, New York, N. Y. Doll. 190,204; Oct. 7; Serial No. 181,883; published Aug. 5, 1924.
- Flexible Steel Lacing Company, Chicago, Ill. Flexible or hinged belt fasteners. 190,079-83; Oct. 7; Serial Nos. 197,734-8; published July 22, 1924.
- Floor Waxer & Polisher Corporation, New York, N. Y. Mechanical floor waxers and polishers and parts thereof. 190,198; Oct. 7; Serial No. 196,518; published July 29, 1924.
- Four Seasons Fertilizer Co. Inc., New York, N. Y. Fertilizers. 190,258; Oct. 7; Serial No. 192,526; published Aug. 5, 1924.
- Frankel Bros., New York, N. Y. Golf balls, clubs, and bags. 190,135; Oct. 7; Serial No. 181,985; published July 29, 1924.

ii ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Franklin Knitting Mills, Inc., New York, N. Y. Knitted neckties and mufflers. 190,111; Oct. 7; Serial No. 194,266; published July 29, 1924.

Freas, Francis L., Glass Works, Conshohocken, Pa. Hydrometers. 190,261; Oct. 7; Serial No. 193,227; published July 22, 1924.

French, J. E., Co., Rockland, Mass. Leather shoes. 190,146; Oct. 7; Serial No. 196,700; published July 22, 1924.

Fuller, Clarence W., doing business as Top Not Tee Co., Yonkers, N. Y. Golf tee. 190,225; Oct. 7; Serial No. 197,755; published Aug. 5, 1924.

Fun Shop, Inc., The, New York, N. Y. Motion pictures. 190,094; Oct. 7; Serial No. 195,880; published July 22, 1924.

G. S. M. Puro-Septic Co. (See Mandich, George S.)

Gano-Downs Clothing Company, The, Denver, Colo. Hosiery. 190,110; Oct. 7; Serial No. 190,054; published July 22, 1924.

General Biological Supply House, Inc., New York, N. Y., and Chicago, Ill. Prepared skeletons and bodies and parts of same and casts or models and parts of same. 190,286; Oct. 7.

George and Thomas, Brookfield Township, Trumbull County, Ohio. Ice-cream cones. 190,278; Oct. 7.

Gevaert Photo-Producten N. V., Oude-Goed, near Antwerp, Belgium. Sensitized photographic papers. 190,178; Oct. 7; Serial No. 184,240; published Oct. 30, 1923.

Gilbert Bros. & Co., Inc., Baltimore, Md. Preparation for use as an alternative, as a tonic, etc. 190,285; Oct. 7.

Glaser Shoe Company, San Francisco, Calif. Infants' and children's shoes. 190,148; Oct. 7; Serial No. 197,070; published July 22, 1924.

Glebeas Importation Co., New York, N. Y. Face powders and creams, perfumes, rouges, etc. 190,273; Oct. 7; Serial No. 198,179; published July 29, 1924.

Gold + Plus Corp., New York, N. Y. Medicinal compound for pyorrhea. 190,239; Oct. 7; Serial No. 197,536; published July 22, 1924.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 190,147; Oct. 7; Serial No. 196,956; published July 29, 1924.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 190,212; Oct. 7; Serial No. 196,804; published Aug. 5, 1924.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 190,213; Oct. 7; Serial No. 196,861; published Aug. 5, 1924.

Grady, Sarah O., Chicago, Ill. Girdles and corsets. 190,069; Oct. 7; Serial No. 156,787; published July 22, 1924.

Grawey, William F., doing business as Peoria Auto Parts Co., Peoria, Ill. Connecting-rod and main motor bearings, axle shafts, etc. 190,066; Oct. 7; Serial No. 168,885; published July 29, 1924.

Gunby, Mrs. C., Galveston, Tex. Scale and rust solvents for radiators, etc. 190,274; Oct. 7; Serial No. 198,571; published July 29, 1924.

Haines Manufacturing Corporation, Rochester, N. Y. Windshield cleaner. 190,206; Oct. 7; Serial No. 188,115; published Feb. 19, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Men's leather and fabric shoes. 190,057; Oct. 7; Serial No. 176,990; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 190,058; Oct. 7; Serial No. 176,987; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Shoes. 190,059; Oct. 7; Serial No. 176,984; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Shoes. 190,060; Oct. 7; Serial No. 176,982; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Leather and fabric shoes. 190,061; Oct. 7; Serial No. 176,977; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Men's leather and fabric shoes. 190,062; Oct. 7; Serial No. 176,976; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 190,063; Oct. 7; Serial No. 176,966; published July 22, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Boys' and girls' leather and fabric shoes. 190,134; Oct. 7; Serial No. 176,983; published July 22, 1924.

Hamilton-Brown Shoe Company, St. Louis, Mo. Women's boots and shoes. 190,181; Oct. 7; Serial No. 183,284; published Feb. 19, 1924.

Hardesty, R., Manufacturing Co., The, Denver, Colo. Sheet iron and sheet-iron products. 190,112; Oct. 7; Serial No. 197,372; published July 22, 1924.

Hardesty, R., Manufacturing Co., The, Denver, Colo. Culverts and irrigation pipe and gates, etc. 190,113; Oct. 7; Serial No. 197,371; published July 22, 1924.

Helene Manufacturing Co., Scranton, Pa. Ladies' sanitary undergarments. 190,107; Oct. 7; Serial No. 194,798; published July 22, 1924.

Herbert, John F. & Sons, Inc., Kingston, N. Y. Paint and varnish brushes. 190,275; Oct. 7; Serial No. 198,572; published Aug. 5, 1924.

Herbetta Manufacturing Company. (See Van Dorin, Ida S.)

Higginbotham-Balley-Logan Company, Dallas, Tex., and New York, N. Y. Men's work clothing. 190,126; Oct. 7; Serial No. 197,375; published July 29, 1924.

Highland Shaker Sweater Co., Camden, N. J. Knitted sweaters, caps, and scarfs, etc. 190,199; Oct. 7; Serial No. 196,387; published July 29, 1924.

Hirschberg & Company, New York, N. Y. Hats. 190,145; Oct. 7; Serial No. 196,600; published July 22, 1924.

Hoffman, Dr., Medicine Company. (See Traudt, Francis J.)

Hoffman Hosiery Company, Philadelphia, Pa. Hosiery and underwear. 190,054; Oct. 7; Serial No. 180,008; published July 29, 1924.

Holden, Jacob, doing business as Holden & Earle, Worcester, Mass. Cigars. 190,150; Oct. 7; Serial No. 198,137; published July 29, 1924.

Holman, Harry V., doing business as The Holman Clamp Company, Chicago, Ill. Cabinet-makers' clamps. 190,064; Oct. 7; Serial No. 174,448; published July 22, 1924.

Holyoke Silk Hosiery Company, Holyoke, Mass. Hosiery. 190,130; Oct. 7; Serial No. 197,599; published July 29, 1924.

Hoof, John C., & Company, Chicago, Ill. Valve tappets. 190,170; Oct. 7; Serial No. 186,906; published July 22, 1924.

International Shoe Company, St. Louis, Mo. Shoes and slippers. 190,177; Oct. 7; Serial No. 184,339; published Feb. 19, 1924.

Irvine, James R., & Co., Inc., Chicago, Ill. Game board. 190,208; Oct. 7; Serial No. 191,830; published Aug. 5, 1924.

Jacobs, David, Corporation, New York, N. Y. Hosiery. 190,131; Oct. 7; Serial No. 197,601; published July 29, 1924.

Jesta Laboratories, New York, N. Y. Face powders and creams, tooth powders, hair oils, etc. 190,238; Oct. 7; Serial No. 197,543; published July 29, 1924.

Kantze, D. W., Co., Inc., New York and Brooklyn, N. Y. Children's underpetticoats, kimono, etc. 190,180; Oct. 7; Serial No. 183,796; published July 29, 1924.

Kann, James J., New York, N. Y. Stencils. 190,175; Oct. 7; Serial No. 185,659; published July 22, 1924.

Karlshuber Kunstgewerbliche Werkstatt, C. F. Otto Müller G. m. b. H., Karlsruhe, Germany. Electrical apparatus. 190,124; Oct. 7; Serial No. 197,082; published July 22, 1924.

Kaufmann Brothers, New York, N. Y. Bandeau for the head. 190,265; Oct. 7; Serial No. 193,668; published July 22, 1924.

Kenney Manufacturing Company, Cranston, R. I. Curtain rods and drapery and window-shade hardware. 190,164; Oct. 7; Serial No. 198,069; published July 29, 1924.

Keystone Manufacturing Co., The, Buffalo, N. Y. Kits of socket wrenches. 190,109; Oct. 7; Serial No. 194,543; published July 29, 1924.

Kling, Mabel C., Baltimore, Md. Preparation for the hair and scalp. 190,202; Oct. 7; Serial No. 168,040; published July 22, 1924.

Kirkpatrick, L. H., Walsenburg, Colo. Beverages sold as soft drinks. 190,136; Oct. 7; Serial No. 182,756; published Dec. 25, 1923.

Kleinachmidt Laboratories, Inc., Newark, N. J. Citrate of magnesia. 190,220; Oct. 7; Serial No. 197,945; published July 29, 1924.

Kops Bros. Inc., New York, N. Y. Corsets, brassieres, and underwear. 190,157; Oct. 7; Serial No. 197,884; published July 29, 1924.

Kosmos Photographics, Limited, London and Letchworth, England. Unexposed sensitized photographic films. 190,247; Oct. 7; Serial No. 190,063; published July 22, 1924.

Kuppenheimer, B. & Co., Inc., Chicago, Ill. Men's and boys' ready-made clothing. 190,104; Oct. 7; Serial No. 195,111; published July 29, 1924.

La Mode Garment Co., Chicago, Ill. Woven fabric undergarments for children. 190,116; Oct. 7; Serial No. 197,284; published July 29, 1924.

Langrock, H. T., Inc., New Haven, Conn. Men's sack coats, cutaway coats, full-dress suits, etc. 190,197; Oct. 7; Serial No. 196,528; published July 29, 1924.

Lanvin, Jeanne, Paris, France. Perfumes. 190,234; Oct. 7; Serial No. 197,604; published July 22, 1924.

Lawrence, A. C., Leather Co., Boston, Mass. Shoe parts. 190,284; Oct. 7.

Leibe, H. L., Company. (See Atz, W. E.)

Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Preparations for treatment of diseases peculiar to women. 190,228; Oct. 7; Serial No. 197,070; published July 29, 1924.

Levy, Eugene, doing business as Le Vay Studio, New York, N. Y. Games and toys, particularly for a fortune-telling game. 190,141; Oct. 7; Serial No. 194,874; published July 29, 1924.

Levine, Dave, doing business as Dave Levine & Co., New York, N. Y. Men's topcoats, overcoats, coats, vests, and trousers. 190,120; Oct. 7; Serial No. 197,159; published July 29, 1924.

Lindsay Chaplet & Manufacturing Company, Philadelphia, Pa. Lawn rakes. 190,127; Oct. 7; Serial No. 197,440; published July 22, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

iii

Lougee, William S., doing business as V. L. Company, Cleveland, Ohio. Veterinary liniment. 190,200; Oct. 7; Serial No. 116,160; published July 29, 1924.

Lux Seal Corporation, Brooklyn, N. Y. Pile-wire blades. 190,123; Oct. 7; Serial No. 197,100; published July 22, 1924.

Laongo, Vincent J., & Company, Brooklyn, N. Y. Metals for gold dental castings. 190,196; Oct. 7; Serial No. 196,601; published July 22, 1924.

Lynch-Mead Manufacturing Co., Turlock, Calif. Wrenches. 190,245; Oct. 7; Serial No. 196,167; published July 29, 1924.

MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y. Licorice paste. 190,214; Oct. 7; Serial No. 196,919; published July 22, 1924.

MacGlashan, William F., Buffalo, N. Y. Baking powder. 190,217; Oct. 7; Serial No. 197,206; published July 22, 1924.

Maev, R. H., & Co., Inc., New York, N. Y. Women's hats. 190,143; Oct. 7; Serial No. 196,394; published July 22, 1924.

Magill, Samuel N., Inc., Philadelphia, Pa. Woven silk underwear. 190,065; Oct. 7; Serial No. 171,372; published July 29, 1924.

Mandich, George S., doing business as G. S. M. Puro-Septic Co., Cleveland, Ohio. Mouth disinfectant. 190,224; Oct. 7; Serial No. 197,888; published July 29, 1924.

Manos, Con, doing business as E-X-L Hydrometer Works, Cicero, Ill. Hydrometer syringes. 190,105; Oct. 7; Serial No. 198,148; published July 29, 1924.

Marnitz, Wm., Co., Milwaukee, Wis. Men's made-to-order suits. 190,159; Oct. 7; Serial No. 192,080; published July 22, 1924.

Merchants Textile Syndicate, Bay City, Mich. Hosiery and underwear. 190,257; Oct. 7; Serial No. 192,190; published July 29, 1924.

Milo Coffee Co., Inc., San Francisco, Calif. Coffee, teas, spices. 190,156; Oct. 7; Serial No. 197,802; published July 29, 1924.

Model Brassiere Co., Inc., New York, N. Y. Brassieres. 190,246; Oct. 7; Serial No. 196,007; published July 29, 1924.

Moon Products Company. (See Simon, Sidney, assignor.)

Moore, William R., Dry Goods Company, Memphis, Tenn. Dress, negligee, and work shirts. 190,163; Oct. 7; Serial No. 198,621; published July 29, 1924.

Munroe Shoe Company, Inc., The, Auburn, Me. Boots, shoes, and slippers. 190,144; Oct. 7; Serial No. 196,470; published July 22, 1924.

Myrurgia S. A., Barcelona, Spain. Massage and toilet creams, perfumery, etc. 190,205; Oct. 7; Serial No. 184,225; published July 22, 1924.

National Acme Company, The, Cleveland, Ohio. Metal-working machines and tools. 190,244; Oct. 7; Serial No. 196,183; published July 29, 1924.

National Magnesia Manufacturing Co., San Francisco, Calif. Insulating covering to prevent heat penetration in annealing furnaces, bakers' ovens, etc. 190,287; Oct. 7.

Natures Rival Co., Chicago, Ill. Girdles. 190,263; Oct. 7; Serial No. 193,613; published July 22, 1924.

Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Evaporated, dry, and powdered milk, etc. 190,133; Oct. 7; Serial No. 157,630; published Apr. 29, 1924.

Newark Noveloid Co., Newark, N. J. Optical celluloid temples and celluloid fronts, metal screws, etc. 190,119; Oct. 7; Serial No. 197,213; published July 29, 1924.

New Williams Mill Company, Inc., Northwillesboro, N. C. Corn mills and wool saws. 190,249; Oct. 7; Serial No. 189,911; published July 22, 1924.

New York Confection Company, The, New York, N. Y. Candy. 190,289; Oct. 7.

Niser Ice Cream Company, The, Cincinnati, Ohio. Ice cream. 190,227; Oct. 7; Serial No. 197,676; published July 29, 1924.

Norris Manufacturing Co., The, Columbus, Ohio. Coin-operated vending machines. 190,132; Oct. 7; Serial No. 197,616; published July 22, 1924.

North British Rubber Co. Limited, Edinburgh, Scotland. Pneumatic tires. 23,996; renewed Jan. 2, 1924.

Northern Indiana Brass Company, Elkhart, Ind. Ball cocks and trip levers for ball cocks. 190,106; Oct. 7; Serial No. 194,940; published July 29, 1924.

Norton Company, Worcester, Mass. Grinding machines and attachments thereto. 190,250; Oct. 7; Serial No. 190,514; published July 22, 1924.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Photographic developer. 190,215; Oct. 7; Serial No. 196,926; published July 29, 1924.

Parmenter, Sherman L., New York, N. Y. Transfer sets. 190,201; Oct. 7; Serial No. 164,453; published Aug. 5, 1924.

Paterson Knitting Mills Inc., Paterson, N. J., assignor to Paterson Mutual Hosiery Mills, Inc. Hosiery. 190,172; Oct. 7; Serial No. 185,984; published Jan. 8, 1924.

Paterson Mutual Hosiery Mills, Inc. (See Paterson Knitting Mills Inc., assignor.)

Pavich, Gregory A., Washington, D. C. Medical liquor. 190,203; Oct. 7; Serial No. 168,168; published July 29, 1924.

Peerless Sweater Mills, Inc., New York, N. Y. Knitted dresses, sweaters, and suits. 190,195; Oct. 7; Serial No. 196,618; published July 29, 1924.

Peoples Drug Stores, Inc., Washington, D. C. Cigars, cigarettes, tobacco. 190,138; Oct. 7; Serial No. 189,913; published July 29, 1924.

Peoria Auto Parts Co. (See Grawey, William F.)

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Lifting jacks. 190,071; Oct. 7; Serial No. 134,428; published Aug. 24, 1920.

Tischinger, Oskar, Inc., New York, N. Y. Cakes, chocolates, candles, and pastry. 190,128; Oct. 7; Serial No. 197,449; published July 29, 1924.

Plantier, Dr. L., Annonay, France. Glandular extracts for the treatment of liver disease. 190,209; Oct. 7; Serial No. 193,726; published July 22, 1924.

Pop Novelty Co., New York, N. Y. Box games. 190,140; Oct. 7; Serial No. 194,816; published July 29, 1924.

Portage Underwear Manufacturing Company, Portage, Wis. Women's knitted underwear. 190,268; Oct. 7; Serial No. 194,216; published July 29, 1924.

Prescott, J. L., & Co., North Berwick, Me., assignor to J. L. Prescott Company, New York, N. Y. Polish for stoves and similar articles. 25,331; renewed Oct. 9, 1924.

Prescott, J. L., & Co., North Berwick, Me., and New York, N. Y., assignor to J. L. Prescott Company, New York, N. Y. Polish for stoves and like articles. 25,506; renewed Nov. 13, 1924.

Ralsley, John C., New Haven, Conn. Kitchen and table knives and forks. 190,129; Oct. 7; Serial No. 197,539; published July 22, 1924.

Rasmussen, Charles M., Seattle, Wash. Tractor-frame side plates and tools. 190,282; Oct. 7.

Red Seal Laboratories. (See Witte, F. F.)

Reed & Carrick. (See Carrick, John, assignor.)

Rex Products Co., Inc., Los Angeles, Calif. Machines for making cream depositors for candy and chocolates. 190,086; Oct. 7; Serial No. 197,049; published July 22, 1924.

Rice-Stix Dry Goods Company, St. Louis, Mo. Dolls. 190,153; Oct. 7; Serial No. 198,326; published July 29, 1924.

Ross, E. W., Company, The. (See Bayley, W. D.)

Royal-Ascot Knitting Mills Company, Philadelphia, Pa. Knitted sport suits and dresses, sweaters, scarfs, etc. 190,243; Oct. 7; Serial No. 196,196; published July 29, 1924.

Rynveld, F. & Sons, New York, N. Y. Material used for stimulating the growth of vegetation. 190,288; Oct. 7.

Salvatore Esposito & Bros., New York, N. Y. Olive oil. 190,085; Oct. 7; Serial No. 197,870; published July 29, 1924.

San-I-Sal Laboratories, Inc., The, Washington, D. C. Weight-reducing bath preparation. 190,216; Oct. 7; Serial No. 196,932; published July 22, 1924.

Seavini, Enrico, Turin, Italy. Dolls, favors, etc. 190,137; Oct. 7; Serial No. 184,187; published July 29, 1924.

Schlecht, Harold G., Palatka, Fla. Gasoline-saving devices for automobile engines. 190,194; Oct. 7; Serial No. 196,678; published July 22, 1924.

Schneider, Harry H., New York, N. Y. Malt slrup for food purposes. 190,100; Oct. 7; Serial No. 195,541; published July 29, 1924.

Schott Bros., New York, N. Y. Shirts. 190,159; Oct. 7; Serial No. 197,963; published July 29, 1924.

Schuyler, Wilton S., doing business as W. S. Schuyler Manufacturing Company, Cincinnati, Ohio. Accelerators for combustion engines. 190,052; Oct. 7; Serial No. 180,502; published July 22, 1924.

Score's Balacava Limited, Toronto, Canada. Men's overcoats. 190,262; Oct. 7; Serial No. 193,475; published July 29, 1924.

Shapleigh Hardware Company, St. Louis, Mo. Lawn mowers. 190,176; Oct. 7; Serial No. 185,626; published July 22, 1924.

Shulman Brothers & Karber, Incorporated, Detroit, Mich. Hats and caps. 190,171; Oct. 7; Serial No. 188,967; published July 29, 1924.

Signal Shirt Company, Racine, Wis. Work, dress, and flannel shirts, work coats, and overalls. 190,103; Oct. 7; Serial No. 195,306; published July 29, 1924.

Silkknit Hosiery Company. (See Walker, John P.)

Simon, Sidney, doing business as Moon Products Company, assignor to Moon Products Company, Inc., New York, N. Y. Preparation for indigestion. 190,237; Oct. 7; Serial No. 197,562; published July 22, 1924.

Slater, C. B., Company, South Braintree, Mass. Boots, shoes, slippers. 190,108; Oct. 7; Serial No. 194,573; published July 22, 1924.

Société Anonyme Ed. Laurens—"Le Khédive"—Extension Suisse, Geneva, Switzerland. Cigarettes. 190,151; Oct. 7; Serial No. 198,157; published July 29, 1924.

Société Commandite Chome & Cie., Lille, France. Perfumes, toilet waters, face powder, etc. 190,211; Oct. 7; Serial No. 196,483; published July 22, 1924.

Spliz, Samuel, & Sons, Inc., Chicago, Ill. Boys' and girls' coats. 190,055; Oct. 7; Serial No. 179,431; published July 29, 1924.

Spray Engineering Company, Boston, Mass. Pneumatic painting and industrial surface finishing equipment. 190,168; Oct. 7; Serial No. 189,822; published July 22, 1924.

Springville Canning Co., Springville, N. Y. Canned fruits and vegetables. 190,277; Oct. 7.

Standard Motor Products Co., San Francisco, Calif. Cast bearings and bushings. 190,183; Oct. 7; Serial No. 182,773; published July 29, 1924.

Standard Oil Company, San Francisco, Calif. Crank-case drain-plug adapter. 190,095-7; Oct. 7; Serial Nos. 195,720-2; published July 22, 1924.

Standard Platinum Company, Inc., New York, N. Y. Metallic alloys. 190,078; Oct. 7; Serial No. 197,690; published July 22, 1924.

Stanisits, Vilma, Rockville Center, N. Y. Preserved meats. 190,056; Oct. 7; Serial No. 178,148; published Dec. 11, 1923.

Star Cement Tray Co., The, San Francisco, Calif. Cement wash trays, tubs, conduits, etc. 190,259; Oct. 7; Serial No. 192,587; published July 22, 1924.

Stark Bros. Nurseries & Orchards Co., Louisiana, Mo. Plum trees. 26,110; renewed Feb. 26, 1925.

Stern, I., & Company, New York, N. Y. Dental amalgam. 190,067; Oct. 7; Serial No. 168,808; published July 22, 1924.

Stevens Laboratories, The, Oakland, Calif. Healing salve and antipain balm. 190,232; Oct. 7; Serial No. 197,629; published July 22, 1924.

Stevens Laboratories, The, Oakland, Calif. Chemical preparation. 190,233; Oct. 7; Serial No. 197,628; published July 22, 1924.

Stickles, L. D., Shoe Co., The, Red Wing, Minn. Boots and shoes. 190,240; Oct. 7; Serial No. 196,320; published July 29, 1924.

Taperite Company, Chicago, Ill. Finger tips. 190,088; Oct. 7; Serial No. 196,889; published July 22, 1924.

Taylor Manufacturing Company, Inc., Cambridge, Mass. Pistons. 190,091; Oct. 7; Serial No. 196,836; published July 22, 1924.

Tebbutt, Edward S., doing business as Tebbutt & Co., Brooklyn, N. Y. Mince-meat, lemon butter, pork pies, etc. 190,266; Oct. 7; Serial No. 194,031; published July 29, 1924.

Thomas-Daggett Company, Grand Rapids, Mich. Chocolate-covered wafers. 190,160; Oct. 7; Serial No. 197,609; published July 29, 1924.

Thompson Germicide Sterilizer Co., Inc., Los Angeles, Calif. Toothbrush sterilizers. 190,072; Oct. 7; Serial No. 197,630; published July 29, 1924.

Thomson & Kelly Co., Inc., Boston, Mass. Leather jackets. 190,267; Oct. 7; Serial No. 194,032; published July 29, 1924.

Thorpe, Sumner W., Spartanburg, S. C., and Savannah, Ga. Ladies' hats. 190,090; Oct. 7; Serial No. 196,837; published July 22, 1924.

Till, Edward C., Owego, N. Y. Shoes. 190,264; Oct. 7; Serial No. 193,639; published July 29, 1924.

Top Not Tee Co., (See Fuller, Clarence W.)

Trautdt, Francis J., doing business as Dr. Hoffman Medicine Company, St. Louis, Mo. Vegetable compound for relief of diseases of the liver and kidneys. 190,223; Oct. 7; Serial No. 197,913; published July 29, 1924.

Tweeten, Oscar H., doing business as Tweeten Fibre Co., Not Inc., Chicago, Ill. Billiard-cue tips. 190,231; Oct. 7; Serial No. 197,633; published Aug. 5, 1924.

Ukenco Corporation, New York, N. Y. Vegetal. 190,236; Oct. 7; Serial No. 197,567; published July 29, 1924.

Union Company, The, Columbus, Ohio. Hats and caps. 190,242; Oct. 7; Serial No. 196,217; published July 29, 1924.

United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Nails used in the manufacture of boots and shoes. 190,184-5; Oct. 7; Serial Nos. 182,022-3; published July 29, 1924.

Van Dorin, Ida S., doing business as Herbetta Manufacturing Company, Indianapolis, Ind. Remedy for the treatment of epilepsy. 190,222; Oct. 7; Serial No. 197,915; published July 29, 1924.

Van Loan & Company, New York, N. Y. Spices. 190,099; Oct. 7; Serial No. 195,557; published July 29, 1924.

Vesniuk Crucible Company, Swissvale, Pa. Crucibles. 190,187; Oct. 7; Serial No. 180,092; published July 22, 1924.

Voorhees, Joseph P., New York, N. Y. Hosiery. 190,193; Oct. 7; Serial No. 196,684; published July 29, 1924.

Waldron, Jane, Okeechobee, Fla. Preparation for yellow thrush, white thrush, or other mouth diseases. 190,271; Oct. 7; Serial No. 198,098; published July 29, 1924.

Walker, John P., doing business as Silknet Hosiery Company, Chicago, Ill. Hosiery. 190,155; Oct. 7; Serial No. 197,916; published July 29, 1924.

Ward Baking Company, New York, N. Y. Bread and cake. 190,174; Oct. 7; Serial No. 185,733; published July 29, 1924.

Warner Brothers Pictures, Inc., New York, N. Y. Motion-picture films. 190,093; Oct. 7; Serial No. 195,927; published July 22, 1924.

Washburn Company, The, Worcester, Mass. Tire-chain adjusters. 190,073; Oct. 7; Serial No. 197,636; published July 22, 1924.

Washburn Company, The, Worcester, Mass. Lock washers. 190,074-5; Oct. 7; Serial Nos. 197,637-8; published July 22, 1924.

Washburn Company, The, Worcester, Mass. Tire-chain adjusters. 190,076; Oct. 7; Serial No. 197,641; published July 22, 1924.

Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 190,276; Oct. 7; Serial No. 198,771; published Aug. 5, 1924.

Willmantic Linen Company, The, Hartford, Conn., assignor to The American Thread Company, New York, N. Y. Spool cotton. 25,627-31; renewed Dec. 11, 1924.

Willmantic Linen Company, The, Hartford, Conn., assignor to The American Thread Company, New York, N. Y. Spool cotton. 25,634-6; renewed Dec. 11, 1924.

Whippelmer, Charles, Inc., Norwalk, Conn. Hats. 190,254; Oct. 7; Serial No. 191,154; published July 22, 1924.

Witte, F. E., doing business as Red Seal Laboratories, Detroit, Mich. Medicine. 190,260; Oct. 7; Serial No. 192,656; published June 17, 1924.

Wright, G. F., Steel & Wire Company, Worcester, Mass. Hardware cloth and poultry netting. 190,182; Oct. 7; Serial No. 182,951; published July 22, 1924.

Wyant Way of New York, Incorporated, Dover, Del., and Minneapolis, Minn. Women's lingerie, knitted underwear, scarfs, and skirts. 190,102; Oct. 7; Serial No. 195,321; published July 29, 1924.

Y & B Hosiery Mills, Reading, Pa. Hosiery. 190,161; Oct. 7; Serial No. 197,976; published July 29, 1924.

Zeerro Waife Company, Washington, D. C. Edible containers for ice cream, etc. 190,084; Oct. 7; Serial No. 197,789; published July 29, 1924.

Zinsmeister, J., & Sons, Louisville, Ky. Hose. 190,162; Oct. 7; Serial No. 197,977; published July 29, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Zetien-Gesellschaft für Anilin Fabrikation, Berlin, Germany. Fluxes for soldering metals. 201,316-17; Oct. 7.

Adisplay. (See Bernstein, Alexander.)

Aktlebolaget Grumme & Son, Stockholm, Sweden. Tooth powder, paste, cream, and soap, and perfumes. 198,439; Oct. 7.

Allard & Co., Buenos Aires, Argentina. Stockings, underwear, sandals, boots, etc. 182,557; Oct. 7.

All-Sports, Inc., Chicago, Ill. Magazines published monthly. 201,071; Oct. 7.

A-Mer-Ic-Al Company, Chicago, Ill. Cleaning and polishing paste. 201,791; Oct. 7.

American Forge Company, Chicago, Ill. Upset forgings. 201,523; Oct. 7.

American Grinder Manufacturing Co., Milwaukee, Wis. Wrenches, power grinders, and sickle attachments. 197,181; Oct. 7.

American Optical Company, Southbridge, Mass. Monthly magazines or periodicals. 184,317; Oct. 7.

Anderson, Alexander, Somerville, Mass. Medical preparation used in the treatment of rheumatism, catarrh, etc. 197,351; Oct. 7.

Arlen, Elizabeth. (See Lewis, Florence N.)

Arlen, Olga L., doing business as Ortosan Co., New York, N. Y. Cosmetic creams, lotions, and powders. 198,045; Oct. 7.

Arlt, Anna H., Brooklyn, N. Y. Rouge. 201,387; Oct. 7.

Atlas Underwear Company, The, Piqua, Ohio. Open-mesh knitted underwear for men. 199,970; Oct. 7.

Auto Parts Company. (See Frank, H. G. John.)

Autopiano Company, The, New York, N. Y. Player pianos. 153,910; Oct. 7.

Bacorn Company, The, Elmira, N. Y. Preparation for croup, colds, catarrh, etc. 197,182; Oct. 7.

Baldwin, George E., doing business as Mongrel Pup Company, Seattle, Wash. Sirup used in the preparation of soft drinks. 200,844; Oct. 7.

Bamberger, L., & Co., Newark, N. J. Women's hats. 201,218; Oct. 7.

Banghart, George E., doing business as The Highway Auto Accessories Co., Hallston, Va. Spark plugs. 200,305; Oct. 7.

Barnes Scale Company, Detroit, Mich. Weighing scales. 200,804; Oct. 7.

Bea Line Manufacturing Company, The. (See Winer, Alex.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Benneson & Treanor, doing business as King Cole Co., Los Angeles, Calif. Nonalcoholic maltless beverage. 200,543; Oct. 7.

Bernstein, Alexander, doing business as Adisplay, New York, N. Y. Display apparatus. 186,213; Oct. 7.

Best of All Company, Philadelphia, Pa. Men's serge suits. 192,753; Oct. 7.

Birnbaum, Jacob S. C., New York, N. Y. Treatment for the scalp and dandruff. 201,276; Oct. 7.

Blackfoot Tire and Rubber Company, Chicago, Ill. Vehicle tire casings and tubes. 200,978; Oct. 7.

Böhm, Dr. Conrad R., Berlin-Wilmersdorf, Germany. Pharmaceutical preparation. 197,989; Oct. 7.

Boston Confectionery Company, Cambridge, Mass. Chocolates. 145,935; Oct. 7.

Bruno, C., & Son, Inc., New York, N. Y. Banjos. 199,147; Oct. 7.

Bruno, C., & Son, Inc., New York, N. Y. Accordions. 201,325; Oct. 7.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Closet seats. 201,535; Oct. 7.

Budd & Votaw, San Francisco, Calif. Hosiery, sweaters, shirts, etc. 193,212; Oct. 7.

Bulliers Exchange Publishing Company, Youngstown, Ohio. Monthly magazine. 201,175; Oct. 7.

Burns Company, The, New York, N. Y. Savings banks. 202,000; Oct. 7.

Business Equipment Publishing Company, New York, N. Y. Bimonthly publication. 201,327; Oct. 7.

Calvaire, Inc., New York, N. Y. Face powders and creams, toilet waters, etc. 201,328; Oct. 7.

Cedar Falls Canning Co., Cedar Falls, Iowa. Canned vegetables. 201,538; Oct. 7.

Cement Finish Co., Inc., New York, N. Y. Cement and other floors, mulling base for concrete, and walls. 168,916; Oct. 7.

Chamberlain, Percy, Associates, Inc., Detroit, Mich. Motor vehicles. 196,693; Oct. 7.

Chandon Company, The. (See Lournay, Inc., assignor.)

Chivers & Sons, Limited, Histon, Cambridge, England. Marmalade. 191,166; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Cream for the skin. 200,850; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Remedy for colds and headaches. 200,851; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Hair tonic and dandruff treatment. 200,852; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Eye bath. 200,853; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Rectal suppository. 200,854-5; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Perfume. 200,856-7; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Disinfectant. 200,858; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Toilet powder. 200,859; Oct. 7.

Clapp, Otis, & Son, Inc., Boston, Mass. Vaginal suppository. 200,861; Oct. 7.

Clark, Bessie L., doing business as The Humming Bird Co., Detroit, Mich. Hair grower. 201,179; Oct. 7.

Clark Products Company, Toledo, Ohio. Hardening solution for paints and varnishes. 201,019; Oct. 7.

Coca Cola Bottling Company, The, Wichita, Kans. Ginger ale. 199,416; Oct. 7.

Collins-Hencke Candy Co., San Francisco, Calif. Candy. 201,835; Oct. 7.

Colonial Brass Company, Middleboro, Mass. Antenna wire. 200,863; Oct. 7.

Columbia Club Cigar Company, Ogden, Utah. Cigars. 202,098; Oct. 7.

Cookeville Overall Manufacturing Company, Incorporated, Cookeville, Tenn. Overalls, coats, pants, and shirts. 199,975; Oct. 7.

Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor arc lamps. 201,392; Oct. 7.

Creolin Co., The, Rahway, N. J. Disinfectants, deodorants, and germicides. 200,039; Oct. 7.

Cushman Chuck Company, The, Hartford, Conn. Chucks. 200,481; Oct. 7.

Daly, James M., Lynn, Mass. Boots, shoes, and slippers. 193,760; Oct. 7.

De Bruyn, Marius, doing business as M. de Bruyn Importing Co., New York, N. Y. Canned sardines. 200,671; Oct. 7.

Dehner, Andy, Cigar Co., Burlington, Iowa. Cigars. 201,948; Oct. 7.

De Oto, Ottavio, Lowellville, Ohio. Medicine for rheumatism, sciatica, joint affections, etc. 200,382; Oct. 7.

Depollier Watch Company, Inc., Brooklyn, N. Y. Watches. 182,402; Oct. 7.

Desormaux, Jean C., Lafayette, La. Medicine for consumption, asthma, bronchitis, etc. 200,041; Oct. 1.

Detroit Packing Company, Detroit, Mich. Fresh beef. 199,682; Oct. 7.

Directory Publishing Company, Flint, Mich. Directories published at intervals. 197,194; Oct. 7.

Dodge, Geraldine R., doing business as Giralda Farms, Madison, N. J. Dogs. 200,312; Oct. 7.

Du Bois, Edgar H., doing business as The Great Swiss Candy Mfg. Co., Candy. 201,699; Oct. 7.

Dunham Company, The, Berea, Ohio. Water-weighted lawn mower. 202,007; Oct. 7.

Duplex Engine Governor Company Inc., New York, N. Y. Radio apparatus. 197,804; Oct. 7.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Lacquers, paint and pyroxylin enamels, and paint and pyroxylin finishes. 197,425; Oct. 7.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Lacquers, paint and pyroxylin enamels and finishes. 198,225; Oct. 7.

Eastman Kodak Company, Rochester, N. Y. Sensitized photographic paper. 201,431; Oct. 7.

Edgewater Beach Hotel Company, Chicago, Ill. Monthly periodical. 201,129; Oct. 7.

Educational Furniture Corporation, New York, N. Y. Desks. 199,831; Oct. 7.

Electrad Corporation of America, New York, N. Y. Radio equipment. 182,852; Oct. 7.

Enderes, Edward J., New York, N. Y. Hair cream. 201,339; Oct. 7.

Epstein, H. & L., Inc., St. Louis, Mo. Topcoats and raincoats. 188,671; Oct. 7.

Ever-White Fluid Co., Morgantown, W. Va. Washing and cleaning fluid. 199,467; Oct. 7.

Exchange Buffet Corporation, New York, N. Y. Beverage sold as a soft drink. 198,298; Oct. 7.

Famous Textile Co., Inc., New York, N. Y. Knitted underwear, blouses, bathing suits, etc. 199,614; Oct. 7.

Federal Products Co., The, Cincinnati, Ohio. Completely denatured alcohol. 201,190; Oct. 7.

Federal Products Co., The, Cincinnati, Ohio. Cologne spritzes and rubbing alcohol. 201,191; Oct. 7.

Feldhusen, Carl, Boise, Idaho. Dried-starch mixture for baking purposes. 200,484; Oct. 7.

Fiberloid Corporation, The, Indian Orchard, Mass. Hand mirrors. 187,614; Oct. 7.

Fiberloid Corporation, The, Indian Orchard, Mass. Shoe horns, buttonhooks, glove stretchers, and combs. 187,615; Oct. 7.

Fisher Bros. Paper Company, Fort Wayne, Ind. Non-metallic clotheslines, cotton twine, sisal twine, etc. 200,873; Oct. 7.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Spices. 200,193; Oct. 7.

Fox, Fontaine, New York, N. Y. Series of cartoons. 201,081; Oct. 7.

Frank, H. G. John, doing business as Auto Parts Co., Houston, Tex. Magnets, spark plugs, electrical switches, etc. 193,223; Oct. 7.

Freedman, Benj. S., Co., Scranton, Pa. Soap. 195,814; Oct. 7.

Frost, Alfred W., New York, N. Y. Fresh fruits. 198,856; Oct. 7.

Gage International Publishing Corporation, New York, N. Y. Monthly magazine. 201,132; Oct. 7.

Gage Publishing Company, Incorporated, The, New York, N. Y. Monthly magazine. 201,131; Oct. 7.

Gastineau, Betty S., Indianapolis, Ind. Narcotic-addict medicine. 196,586; Oct. 7.

Gilmore, George J., Chicago, Ill. Preparation to be added to gasoline and petroleum products. 200,314; Oct. 7.

Giralda Farms. (See Dodge, Geraldine R.)

Globe Phone Manufacturing Company, Reading, Mass. One-way telephones and car phones, stethoscopes, and parts therefor. 168,637; Oct. 7.

Gotham Silk Hosiery Co., Inc., New York, N. Y. Soap. 199,553; Oct. 7.

Graf, Frank C., Allentown, Pa. Antiseptic vaginal suppository. 199,782; Oct. 7.

Great Swiss Candy Mfg. Co., The. (See Du Bois, Edgar H.)

Griffin Manufacturing Co., Inc., New York, N. Y. Cleaning fluid, shoe polishes, blackings, and cleansers, leather dressings, and preservatives. 199,423; Oct. 7.

Gross, L. N., Company, The, Cleveland, Ohio. Wash dresses, aprons, and house dresses. 196,243; Oct. 7.

Grossman, Simon S., doing business as Grossman's Clothes Shop, Rochester, N. Y. Suits, topcoats, and overcoats. 193,767; Oct. 7.

Guardian Ointment Company, The, New York, N. Y. Ointment and a remedy for diseases of the blood. 200,044; Oct. 7.

Hans Brothers, San Francisco, Calif. Canned fruits. 195,959; Oct. 7.

Hammond Standish & Co., Detroit, Mich. Hams and bacon. 199,696; Oct. 7.

Heine, Robert D., Washington, D. C. Newspaper articles. 200,198; Oct. 7.

Heller, B., & Company, Chicago, Ill. Food colors in paste, dry, and liquid forms. 201,237; Oct. 7.

Heller, B., & Company, Chicago, Ill. Cleansing, washing, and scouring preparations. 201,661; Oct. 7.

Helmick, Dwight M., Columbus, Ohio. Fertilizers. 201,847; Oct. 7.

Highway Auto Accessories Co., The. (See Banghart, George E.)

PUBLISHED FOR OPPOSITION.

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Hilbert, A. J., & Co., Inc., Milwaukee, Wis. Hair tonic, tar and glycerine soap shampoo, sachet powder, etc. 197,934; Oct. 7.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 200,937-45; Oct. 7.

Home Mfg. Company, The. (See Melnhardt, H., & Co.)

Humming Bird Co., The. (See Clark, Bessie I.)

Hut Neckwear Company, Inc., The, New York, N. Y. Men's cravats. 201,450; Oct. 7.

Hutchison, Miller R., New York, N. Y., assignor to Latholme Corporation. Compound to be mixed with gasoline. 197,882; Oct. 7.

Imhoff, Wallace G., Pittsburgh, Pa. Tablets for the rapid quantitative determination of acids, etc., in solutions. 199,787; Oct. 7.

Jacobson Brothers, Pittsburgh, Pa. Men's dress pants and trousers. 199,702; Oct. 7.

Jennings, Allen F., Chicago, Ill. Apparatus to clear air of smoke and odors and to vaporize perfume. 180,703; Oct. 7.

Jones, Arthur J., Chicago, Ill. Fluid for prevention and removal of corrosion of metals. 201,404; Oct. 7.

Joslyn, A. W., Racine, Wis. System tonic. 199,840; Oct. 7.

Kalls, Murray C., St. Joseph, Mo. Capsules for colds and influenza. 166,078; Oct. 7.

Katz, Jack F., New York, N. Y. Hair-color restorer. 197,436; Oct. 7.

Kehoe Preserving Co., Clay City, Ind. Mint sauce. 200,948; Oct. 7.

Kendall Manufacturing Company, Providence, R. I. Washing powders and metal polish. 200,451; Oct. 7.

Kilbe Brothers Company, Springfield, Mass. Coconut candy. 196,123; Oct. 7.

King Cole Co. (See Henneson & Treanor.)

Kirstin, A. J., Company, Escanaba, Mich. Gasoline gauges. 201,146; Oct. 7.

Knight, B. R. & R., Inc., Providence, R. I., and New York, N. Y. Woven labels and tags. 163,449; Oct. 7.

Kreider-Crevelling Shoe Co., Boston, Mass. Boots and shoes. 200,684; Oct. 7.

Lankershim Fruit Products Co., Lankershim, Calif. Ginger ale. 201,091; Oct. 7.

Lardon, Samuel D., & Co., New York, N. Y. Ladies' and misses' hats. 200,721; Oct. 7.

Latholme Corporation. (See Hutchison, Miller R., assignor.)

Lavy, Chas., & Co., Hamburg, Germany. Hats, caps, boots, shoes, etc. 191,326; Oct. 7.

Lavy, Chas., & Co., Hamburg, Germany. Hats, caps, boots, etc. 191,631; Oct. 7.

Lebona, Ltd., New York, N. Y. Toilet soap. 201,356; Oct. 7.

Lehn & Fink, Inc., New York, N. Y. Phenylchloronic acid (phenylquinoline-carboxylic acid). 200,324; Oct. 7.

Leibler-Goldsmith Co., Inc., New York, N. Y. Women's, misses', and children's coats, suits, dresses, etc. 200,049; Oct. 7.

Lewis Drug Company, The, Marianna, Fla. Eye wash and salve. 200,051; Oct. 7.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Lip pencils. 174,467; Oct. 7.

Lewis, Meats Company, Boston, Mass. Eggs. 200,823; Oct. 7.

Lieberman, Chas. H., & Bro., Philadelphia, Pa. Men's suits and overcoats. 200,362; Oct. 7.

Liles, R. B., Grain Company, The, Colorado Springs, Colo. Egg mash and hen scratch feeds. 200,888; Oct. 7.

Lilly, Eli, & Company, The, now by change of name Eli Lilly & Company, Indianapolis, Ind. Medicated, sweetened, and flavored tablets. 143,296; Oct. 7.

Liqui-Glove Co. (See Nachtrieb, H. A.)

Livesey, Anthony S., New York, N. Y. Fresh limes. 201,109; Oct. 7.

Lo Gatto, Fedele, Brooklyn, N. Y. Artificial meats. 200,147; Oct. 7.

Lounay, Inc., Wilmington, Del., assignor to The Chandon Company, Rouge, lip stick, and face powder. 182,424; Oct. 7.

MacConaughy, H. E., San Francisco, Calif. Chewing gum and candy. 197,672; Oct. 7.

Macfarlane, Emilie, Honolulu, Hawaii, and San Francisco, Calif. Marmalades, jams, jellies, etc. 200,503; Oct. 7.

Macoustic Engineering Company, Inc., Cleveland, Ohio. Plaster. 200,504; Oct. 7.

Malt Products Co. (See Milgram, Nathan.)

Märklische Maschinenbau-Anstalt "Teutonia" Gesellschaft mit beschränkter Haftung, Frankfurt-on-the-Oder, Germany. Cream separators and churns. 196,922; Oct. 7.

Maskin- och Brobyggnads Aktiebolaget, Helsingfors, Finland. Cream separators. 200,953-4; Oct. 7.

Massachusetts Knitting Mills, Boston, Mass. Hosiery. 201,460; Oct. 7.

Mabel Insecticide Company. (See Sultzbach, Maurice.)

McCurdy, Vivian T., Santa Clara, Calif. Fresh pears and apples. 199,709; Oct. 7.

Melnhardt, H., & Co., also doing business as The Home Mfg. Company, Chicago, Ill. Malt extract for food purposes. 200,891; Oct. 7.

Metropolitan Device Corporation, Brooklyn, N. Y. Rubber tubing. 199,642; Oct. 7.

Mid West Sales and Manufacturing Co., Inc., Salt Lake City, Utah. Waterproof cotton fabrics in the piece. 200,367; Oct. 7.

Milgram, Nathan, doing business as Malt Products Co., Kansas City, Mo. Malt for food purposes. 201,204; Oct. 7.

Miller, Helen D., doing business as Richard G. Miller Estate, Falfurrias, Tex. Fresh oranges and grapefruit. 174,525; Oct. 7.

Milliken, John T., & Company, St. Louis, Mo. Fluid extract cascara sagrada, zinc stearate, tincture iodine, etc. 186,434; Oct. 7.

Mission Products Co., The, Seattle, Wash. Cleansing and vanishing creams. 200,892; Oct. 7.

Mongrel Pup Company. (See Baldwin, George E.)

Montgomery, William E., Boston, Mass. Eyeglass receptacles. 192,717; Oct. 7.

Morton, R. G., & Son, Zanesville, Ohio. Automobile polish. 201,150; Oct. 7.

Mountain City Mill Co., Inc., Chattanooga, Tenn. Plain and self-rising flour. 199,897; Oct. 7.

Nachtrieb, H. A., doing business as Liqui-Glove Co. (Not Inc.), Chicago, Ill. Pastelike preparation for coating the hands. 198,606; Oct. 7.

National Aniline & Chemical Company, Incorporated, New York, N. Y. Certified food colors. 199,179; Oct. 7.

National Dairy Company, The, Toledo, Ohio. Food comprising chocolate liquor, condensed whole milk, and sugar. 200,506; Oct. 7.

National Glove Company, Columbus, Ohio. Gloves. 199,434-6; Oct. 7.

Neenah Paper Company, Neenah, Wis. Bond paper. 201,251; Oct. 7.

Nip-O-Products Co., New York, N. Y. Teas. 197,553; Oct. 7.

Nye Tool & Machine Works, The, Chicago, Ill. Pipe cutters and vises, vice stands, etc. 201,972; Oct. 7.

Ohio Motorist Publishing Company, Cleveland, Ohio. Monthly magazine. 201,522; Oct. 7.

Old Fashioned Millers, Inc., St. Paul, Minn. Wheat cereal. 179,881; Oct. 7.

Olney & Floyd, Westernville, N. Y. Canned vegetables. 197,214; Oct. 7.

Oppenheim, Oberndorf & Co., Inc., doing business as The Sealpax Company, Baltimore, Md. Clothing. 199,644; Oct. 7.

Ortosan Co. (See Arlen, Olga L.)

Pacific Novelty Company, New York, N. Y. Hairpins. 199,798; Oct. 7.

Palmerton Bottling Works, Palmerton, Pa. Beverages sold as soft drinks. 200,576; Oct. 7.

Palmolive Company, The, Chicago, Ill. Toilet and shaving soaps. 200,276; Oct. 7.

Park Laboratory Co., Inc., San Antonio, Tex. Animal insecticide. 201,408; Oct. 7.

Patterson, M. F., Dental Supply Company, Chicago, Ill. and St. Paul, Minn. Gold and platinum alloy metal for dental inlays and bridge work. 201,155; Oct. 7.

Philippine Manufacturing Company, Manila, P. I. Soap. 201,976; Oct. 7.

Phoenix Laboratories, St. Louis, Mo. Hairdressing. 197,831; Oct. 7.

Plaza Music Co., New York, N. Y. Phonograph records and books therefor. 200,960; Oct. 7.

Plummer Publications, Inc., New York, N. Y. Weekly newspaper. 181,219; Oct. 7.

Post Publishing Company, The, Bridgeport, Conn. Newspapers. 201,624-6; Oct. 7.

Prindle, Frank M., doing business as Frank M. Prindle & Co., New York, N. Y., assignor to Violet Perfumery Corporation, Wilmington, Del. Face powder. 200,083; Oct. 7.

Radio Age, Inc., Chicago, Ill. Periodical. 200,779; Oct. 7.

Renner Products Company, The, Akron, Ohio. Nonalcoholic malt beverages. 201,208; Oct. 7.

Ribner & Wachs, Philadelphia, Pa. Women's skirts and dresses. 192,087; Oct. 7.

Ridgeway & Hopkins, Los Angeles, Calif. Casting-director's directory for moving pictures. 180,987; Oct. 7.

Roper, Geo. D., Corporation, Rockford, Ill. Gas stoves and ranges. 201,046; Oct. 7.

Roseman, Benjamin F., Corvallis, Oreg. Preparation used for allaying pain. 201,378; Oct. 7.

Russell, Renout, Keene, N. H. Milk, cream, etc. 200,644; Oct. 7.

Scherer, Warren C., Chicago, Ill. Flexible nonelectrical hair waving instrument. 199,721; Oct. 7.

Scherling & Glatz, Inc., New York, N. Y. Analgesics, anesthetics, anodynes, etc. 200,522; Oct. 7.

Schmitt, Frank, & Company, Portland, Oreg. Cabinet work and millwork, interior and exterior millwork. 184,267; Oct. 7.

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Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports. 201,468; Oct. 7.

Schulz, M., Company, Chicago, Ill. Reproducing upright and grand pianos. 201,212; Oct. 7.

Sealpax Company, The. (See Oppenheim, Oberndorf & Co.)

Semmel & Friedlaender Inc., New York, N. Y. Dresses, coats, and suits for women. 194,952; Oct. 7.

Sfiro, Farris R., Detroit, Mich. Cigarettes. 201,820; Oct. 7.

Shellenberger, J. Frank, Co., Philadelphia, Pa. Cough drops. 201,266; Oct. 7.

Smith, Harry J., doing business as H. J. Smith & Company, Utica, N. Y. Insecticides and fly and insect spray. 197,301; Oct. 7.

Solinger Metallwarenfabrik G. m. b. H., Solingen, Germany. Razors, table knives, scissors, etc. 196,937; Oct. 7.

Solvay Process Company, The, Solvay, N. Y. Cleansing and washing compounds. 196,406; Oct. 7.

Southern Fruit Producers, Minot, N. Dak. Fresh grapefruit. 197,302; Oct. 7.

Stafford, Lilly J., Gowanda, N. Y. Combined hoes and cultivators. 201,516; Oct. 7.

Stampograph Company, Chicago, Ill. Hand-operated printing devices. 201,938; Oct. 7.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petroleum oil for spraying livestock. 185,267; Oct. 7.

Staub-Richardson Co., Waukesha, Wis. Canned vegetables. 201,595; Oct. 7.

Stone and Williams Company, The, Columbus, Ohio. Men's and boys' shirts, nightshirts, pyjamas, and athletic underwear. 186,808; Oct. 7.

Sultzbach, Maurice, doing business as Mabel Insecticide Company, West Haven, Conn. Insecticides and rodent exterminator. 200,597; Oct. 7.

Sunny South Grain Company, Birmingham, Ala. Live stock and dairy feeds. 201,472; Oct. 7.

Sweet, Laurence A., doing business as Laurence A. Sweet Manufacturing Co., Los Angeles, Calif. Radiator caps. 191,202; Oct. 7.

Takit Company. (See Wherrett, Joseph A.)

Ternstedt Manufacturing Company, Detroit, Mich. Automobile dome lights and corner lights. 200,162; Oct. 7.

Terra Bella Citrus Association, Terra Bella, Calif. Fresh citrus fruits. 201,721; Oct. 7.

Texas Company, The, Houston, Tex., and New York, N. Y. Insecticides. 201,313-15; Oct. 7.

Tullis, John K., New York, N. Y. Tanning material. 198,431; Oct. 7.

Two in One Confection Company, Latrobe, Pa. Confection. 182,228; Oct. 7.

Ullstein Aktiengesellschaft, Berlin, Germany. Products of the printing office. 196,492; Oct. 7.

Union Special Machine Company, Chicago, Ill. Sewing machines for closing filled bags. 197,461; Oct. 7.

Union Special Machine Company, Chicago, Ill. Sewing machines for closing filled bags. 197,846; Oct. 7.

United States Dental Manufacturing Company, The, Cleveland, Ohio. Root-canal instruments, cleaners, and drills, dental mandrels, etc. 201,991; Oct. 7.

Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass. Candy-coating machines, candy pumps, and coolers, etc. 199,661; Oct. 7.

Vacuum Oil Company, New York, N. Y. Mixture of petroleum oils. 171,293; Oct. 7.

Verdi & Rossini Music House, New York, N. Y. Pianos, player pianos, phonographs, etc. 201,165; Oct. 7.

Verteco Manufacturing Company, Somerville, Mass. Portable savings banks. 201,418; Oct. 7.

Violet Perfumery Corporation. (See Prindle, Frank M., assignor.)

Waldorf-Astoria Service Corporation, New York and Long Island City, N. Y. Magazine. 201,632; Oct. 7.

Wasson, H. P., & Co., Indianapolis, Ind. Sanitary napkins. 195,470; Oct. 7.

Weller, Jason, & Sons, Boston, Mass. Finger rings. 200,914; Oct. 7.

Weisbaum Bros.-Brower Co., The, Cincinnati, Ohio. Neckties. 199,870; Oct. 7.

Weiss & Zahler, New York, N. Y. Mufflers. 199,813; Oct. 7.

Wesely, Chas., Company, Chicago, Ill. Laundry trays. 201,419; Oct. 7.

Westgate Metal Products Co., Oakland, Calif. Electric stoves, ranges, cookers, motors, and air and water heaters. 176,587; Oct. 7.

Wherrett, Joseph A., doing business as Takit Company, Baltimore, Md. Headache powders. 190,280; Oct. 7.

Whikan Corporation, Philadelphia, Pa. Talking-machine records. 201,727; Oct. 7.

White, H. N., Company, The, Cleveland, Ohio. Wind instruments. 201,168; Oct. 7.

Whitson, Wesley J., Metairie Ridge, La. Shampoo. 201,216; Oct. 7.

Whittier Select Citrus Association, Whittier, Calif. Fresh oranges, and lemons. 201,789; Oct. 7.

Wile, E. J., and Company, New York, N. Y. Ladies' cloaks, coats, suits, dresses, and skirts. 194,093; Oct. 7.

Wiener, Alex., doing business as The Bee Line Manufacturing Company, Veederburg, Ind. Pants, overalls, and coats. 200,163; Oct. 7.

Winor Canning Company, The, Circleville, Ohio. Canned vegetables and berries. 201,605; Oct. 7.

Wolf, Sidney J., San Francisco, Calif. Monthly drug-trade magazine. 201,272; Oct. 7.

Wright, A. E., Company, Chicago, Ill. Sandwich filler. 199,734; Oct. 7.

Young, Chas. W., & Co., Philadelphia, Pa. Powdered soap. 201,826; Oct. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Shoe parts. A. C. Lawrence Leather Co. 190,284; Oct. 7.

Trees, Plum. Stark Bros. Nurseries & Orchards Co. 26,110; renewed Feb. 26, 1925.

CLASS 2.

Silos, Metal. W. D. Bayley. 190,281; Oct. 7.

CLASS 4.

Cleaning preparation. L. U. Bean. 25,977; renewed Feb. 6, 1925.

Polish for stoves and similar articles. J. L. Prescott & Co. 25,331; renewed Oct. 9, 1924.

Polish for stoves and similar articles. J. L. Prescott & Co. 25,506; renewed Nov. 13, 1924.

CLASS 6.

Antitoxin and tissue builder. J. Carnrick. 25,787; renewed Jan. 1, 1925.

Baking powder. W. F. MacGlashan. 190,217; Oct. 7; Serial No. 197,206; published July 22, 1924.

Bath preparation, Weight-reducing. San-I-Sal Laboratories, Inc. 190,216; Oct. 7; Serial No. 196,932; published July 22, 1924.

Chemical preparation. Stevens Laboratories. 190,233; Oct. 7; Serial No. 197,628; published July 22, 1924.

Compound, Vegetable. F. J. Traudt. 190,223; Oct. 7; Serial No. 197,913; published July 29, 1924.

Creams, perfumery, sachet powder, etc. Myrurgia S. A. 190,205; Oct. 7; Serial No. 184,225; published July 22, 1924.

Disinfectant, Mouth. G. S. Mandich. 190,224; Oct. 7; Serial No. 197,888; published July 29, 1924.

Glandular extracts for liver disease. Dr. L. Plantier. 190,209; Oct. 7; Serial No. 193,726; published July 22, 1924.

Licorice paste. MacAndrews & Forbes Company. 190,214; Oct. 7; Serial No. 196,919; published July 22, 1924.

Liniment, Veterinary. W. S. Lougee. 190,200; Oct. 7; Serial No. 116,160; published July 29, 1924.

Magnesia, Citrate of. Kleinschmidt Laboratories, Inc. 190,220; Oct. 7; Serial No. 197,945; published July 29, 1924.

Medical liquor. G. A. Pavich. 190,203; Oct. 7; Serial No. 168,168; published July 29, 1924.

Medicinal compound for pyorrhea. Gold + Plus Corp. 190,239; Oct. 7; Serial No. 197,536; published July 22, 1924.

Medicine. F. F. Witte. 190,260; Oct. 7; Serial No. 192,656; published June 17, 1924.

Perfumes. J. Lanvin. 190,234; Oct. 7; Serial No. 197,604; published July 22, 1924.

Perfumes, toilet waters, face powder, etc. Societe Commanite Chome & Cie. 190,211; Oct. 7; Serial No. 196,483; published July 22, 1924.

Photographic developer. Eastman Kodak Company. 190,272; Oct. 7; Serial No. 198,126; published July 29, 1924.

Photographic developer. Novocel Chemical Mfg. Co. 190,215; Oct. 7; Serial No. 196,926; published July 29, 1924.

Pills, Liver. W. O. Clayton. 190,221; Oct. 7; Serial No. 197,925; published July 29, 1924.

Powders and creams, tooth powders, etc., Face. Jesta Laboratories. 190,238; Oct. 7; Serial No. 197,543; published July 29, 1924.

Powders, face creams, perfumes, etc., Face. Glebeas Importation Co. 190,273; Oct. 7; Serial No. 198,179; published July 29, 1924.

Preparation for eczema, itch, etc. A. W. Fife. 190,235; Oct. 7; Serial No. 197,592; published July 22, 1924.

Preparation for indigestion. S. Simon. 190,237; Oct. 7; Serial No. 197,562; published July 22, 1924.

Preparation for killing and repelling flies. F. W. Barber. 190,230; Oct. 7; Serial No. 197,650; published July 29, 1924.
Preparation for the hair and scalp. M. C. King. 190,202; Oct. 7; Serial No. 168,040; published July 22, 1924.
Preparation for yellow thrush, white thrush, or other mouth diseases. J. Waldron. 190,271; Oct. 7; Serial No. 198,098; published July 29, 1924.
Preparation used as an alternative, as a tonic, etc. Gilbert Bros. & Co. 190,283; Oct. 7.
Preparation for treatment of diseases peculiar to women. S. B. Leonardi & Co. 190,228; Oct. 7; Serial No. 197,670; published July 29, 1924.
Remedy for perspiring and aching feet. R. Dawidoff. 190,226; Oct. 7; Serial No. 197,705; published July 29, 1924.
Remedy for treatment of epilepsy. I. S. Van Dorin. 190,222; Oct. 7; Serial No. 197,913; published July 29, 1924.
Salve and antipain balm. Healing. Stevens Laboratories. 190,232; Oct. 7; Serial No. 197,629; published July 22, 1924.
Seale and rust solvents for radiators, etc. Mrs. C. Gubby. 190,274; Oct. 7; Serial No. 198,571; published July 29, 1924.
Solvents. Carbide & Carbon Chemicals Corporation. 190,229; Oct. 7; Serial No. 197,656; published July 22, 1924.
Vegetal. Ukemco Corporation. 190,236; Oct. 7; Serial No. 197,567; published July 29, 1924.

CLASS 10.

Fertilizers. Four Seasons Fertilizer Co. 190,258; Oct. 7; Serial No. 192,526; published July 29, 1924.
Vegetation. Material used for stimulating the growth of. F. Rynveld & Sons. 190,288; Oct. 7.

CLASS 12.

Insulating covering to prevent heat penetration in annealing furnaces, bakers' ovens, etc. National Magnesia Manufacturing Co. 190,287; Oct. 7.
Netting. G. F. Wright Steel & Wire Company. 190,182; Oct. 7; Serial No. 182,951; published July 22, 1924.

CLASS 13.

Belt fasteners. Flexible Steel Lacing Company. 190,079-83; Oct. 7; Serial Nos. 197,734-8; published July 22, 1924.
Brothers. Meat. Deep Drawn Metal Corporation. 190,121; Oct. 7; Serial No. 197,138; published July 22, 1924.
Cement wash trays, tubs, conduits, etc. Star Cement Tray Co. 190,259; Oct. 7; Serial No. 192,587; published July 22, 1924.
Cocks and trip levers for ball cocks. Ball. Northern Indiana Brass Company. 190,106; Oct. 7; Serial No. 194,940; published July 29, 1924.
Culverts, irrigation pipe and gates, air pipe, well casings, and flumes. R. Hardesty Manufacturing Co. 190,113; Oct. 7; Serial No. 197,371; published July 22, 1924.
Curtain rods and drapery and window-shade hardware. Kenney Manufacturing Company. 190,164; Oct. 7; Serial No. 198,069; published July 29, 1924.
Nails for boots and shoes. United Shoe Machine Corporation. 190,184-5; Oct. 7; Serial Nos. 182,022-3; published July 29, 1924.
Nuts. Shackle-bolt. Ferry Cup & Set Screw Co. 190,188; Oct. 7; Serial No. 190,799; published July 22, 1924.
Sheet iron and sheet-iron products. R. Hardesty Manufacturing Co. 190,112; Oct. 7; Serial No. 197,372; published July 22, 1924.
Tire-chain adjusters. Washburn Company. 190,073; Oct. 7; Serial No. 197,636; published July 22, 1924.
Tire-chain adjusters. Washburn Company. 190,076; Oct. 7; Serial No. 197,641; published July 22, 1924.
Urinals, closets, drinking fountains, etc. D. A. Eblinger Sanitary Mfg. Co. 190,125; Oct. 7; Serial No. 197,066; published July 29, 1924.
Washers. Lock. Washburn Company. 190,074-5; Oct. 7; Serial Nos. 197,637-8; published July 22, 1924.

CLASS 14.

Alloy. Metal. W. E. Atz. 190,105; Oct. 7; Serial No. 195,042; published July 22, 1924.
Alloys. Metallic. Standard Platinum Company. 190,078; Oct. 7; Serial No. 197,690; published July 22, 1924.
Cars. Carrier trons, etc., used in connection with draft mechanism for railway. American Steel Foundries. 190,173; Oct. 7; Serial No. 185,777; published July 22, 1924.
Steel. Tool. Columbia Tool Steel Company. 190,241; Oct. 7; Serial No. 196,235; published July 22, 1924.

CLASS 17.

Cigarettes. Société Anonyme Ed. Laurens—"Le Khé-dive"—Extension Suisse. 190,151; Oct. 7; Serial No. 198,157; published July 29, 1924.
Cigars. Cuesta. Rey & Company. 190,154; Oct. 7; Serial No. 198,623; published July 29, 1924.
Cigars. J. Holden. 190,150; Oct. 7; Serial No. 198,137; published July 29, 1924.
Cigars, cigarettes, tobacco. Peoples Drug Stores, Inc. 190,138; Oct. 7; Serial No. 189,913; published July 29, 1924.
Tobacco. Smoking and chewing. Cumberland Tobacco Works. 190,070; Oct. 7; Serial No. 145,057; published Mar. 25, 1924.

CLASS 22.

Billiard-cue tips. O. H. Tweeken. 190,231; Oct. 7; Serial No. 197,633; published Aug. 5, 1924.
Doll. Fleischaker & Baum. 190,204; Oct. 7; Serial No. 181,883; published Aug. 5, 1924.
Dolls. Rice-Stix Dry Goods Company. 190,153; Oct. 7; Serial No. 198,326; published July 29, 1924.
Dolls and toys. George Borgfeldt & Co. 190,152; Oct. 7; Serial No. 198,172; published July 29, 1924.
Dolls, favors, etc. E. Scavini. 190,137; Oct. 7; Serial No. 184,187; published July 29, 1924.
Game board. James R. Irvin & Co. 190,208; Oct. 7; Serial No. 191,830; published Aug. 5, 1924.
Games and toys. E. Levay. 190,141; Oct. 7; Serial No. 194,874; published July 29, 1924.
Games, Box. Pop Novelty Co. 190,140; Oct. 7; Serial No. 194,816; published July 29, 1924.
Golf balls. Goodyear Tire & Rubber Company. 190,147; Oct. 7; Serial No. 196,956; published July 29, 1924.
Golf balls. Goodyear Tire & Rubber Co. 190,212; Oct. 7; Serial No. 196,804; published Aug. 5, 1924.
Golf balls. Goodyear Tire & Rubber Co. 190,213; Oct. 7; Serial No. 196,861; published Aug. 5, 1924.
Golf balls, clubs, and bags. Frankel Bros. 190,135; Oct. 7; Serial No. 181,985; published July 29, 1924.
Golf tee. C. W. Fuller. 190,225; Oct. 7; Serial No. 197,755; published Aug. 5, 1924.
Toys. Floating. M. P. Beach. 190,207; Oct. 7; Serial No. 188,465; published Aug. 5, 1924.
Transfer sets. S. L. Parmenter. 190,201; Oct. 7; Serial No. 164,453; published Aug. 5, 1924.
Wagons adapted to be changed into sleds. Regular coaster. George Delker Company. 190,269; Oct. 7; Serial No. 198,058; published Aug. 5, 1924.
Wagons. Children's coaster. George Delker Company. 190,270; Oct. 7; Serial No. 198,059; published Aug. 5, 1924.

CLASS 23.

Automobile engines. Gasoline-saving devices for. H. G. Schlecht. 190,194; Oct. 7; Serial No. 196,678; published July 22, 1924.
Bearings and bushings. Cast. Standard Motor Products Co. 190,183; Oct. 7; Serial No. 182,773; published July 29, 1924.
Bearings, axle shafts, etc. W. P. Grawey. 190,066; Oct. 7; Serial No. 168,885; published July 29, 1924.
Can machinery. Angelus Sanitary Can Machine Company. 190,089; Oct. 7; Serial No. 196,846; published July 22, 1924.
Clamps. H. V. Holman. 190,064; Oct. 7; Serial No. 174,448; published July 22, 1924.
Crank-case drain-plug adapter. Standard Oil Company. 190,093-7; Oct. 7; Serial Nos. 195,720-2; published July 22, 1924.
Cream depositors for candy and chocolates. Machines for making. Rex Products Co. 190,086; Oct. 7; Serial No. 197,049; published July 22, 1924.
Dishwashing machines. H. K. de Sherbinin. 190,101; Oct. 7; Serial No. 195,503; published July 29, 1924.
Dishwashing machines and metal-parts-washing machines. Crescent Washing Machine Company. 190,283; Oct. 7.
Engines. Accelerators for combustion. W. S. Schuyler. 190,052; Oct. 7; Serial No. 180,502; published July 22, 1924.
Floor waxers and polishers and parts thereof. Mechanical. Floor Waxer & Polisher Corporation. 190,198; Oct. 7; Serial No. 196,518; published July 29, 1924.
Grinding machines and attachments thereto. Norton Company. 190,250; Oct. 7; Serial No. 190,514; published July 22, 1924.
Jacks. Lifting. The Pierce-Arrow Motor Car Company. 190,071; Oct. 7; Serial No. 134,428; published Aug. 24, 1920.
Knives and forks. Kitchen and table. J. C. Ralsley. 190,129; Oct. 7; Serial No. 197,559; published July 22, 1924.
Machines, devices, etc., for making concrete and similar material. Equipment Corporation of America. 190,068; Oct. 7; Serial No. 163,386; published July 22, 1924.
Metal-working machines and tools. National Acme Company. 190,244; Oct. 7; Serial No. 196,183; published July 29, 1924.
Mills and wood saws. Corn. New Williams Mill Company. 190,249; Oct. 7; Serial No. 189,911; published July 22, 1924.
Mowers. Lawn. Shapleigh Hardware Company. 190,176; Oct. 7; Serial No. 185,626; published July 22, 1924.
Painting and industrial surface finishing equipment. Pneumatic Spray Engineering Company. 190,108; Oct. 7; Serial No. 189,822; published July 22, 1924.
Pet-cock-operating tool. W. Borth. 190,053; Oct. 7; Serial No. 180,466; published July 22, 1924.
Pistons. Taylor Manufacturing Company. 190,091; Oct. 7; Serial No. 196,836; published July 22, 1924.
Rakes. Lawn. Lindsay Chaplet & Manufacturing Company. 190,127; Oct. 7; Serial No. 197,440; published July 22, 1924.
Tractor-frame side plates and tools. C. M. Rasmussen. 190,282; Oct. 7.
Tractors. Hoisting attachments for. Bear Cat Hoist Company. 190,117; Oct. 7; Serial No. 197,244; published July 22, 1924.

Vacuum cleaners and parts thereof. G. Drescher. 190,167; Oct. 7; Serial No. 198,291; published July 22, 1924.
Valve tappets. John C. Hoof & Company. 190,170; Oct. 7; Serial No. 186,906; published July 22, 1924.
Vending machines. Coin-operated. Norris Manufacturing Co. 190,152; Oct. 7; Serial No. 197,616; published July 22, 1924.
Wire blades. File. Lox Seal Corporation. 190,123; Oct. 7; Serial No. 197,100; published July 22, 1924.
Wrenches. Lynch-Mead Manufacturing Co. 190,245; Oct. 7; Serial No. 196,167; published July 29, 1924.
Wrenches. Kits of socket. Keystone Manufacturing Co. 190,109; Oct. 7; Serial No. 194,543; published July 29, 1924.

CLASS 26.

Crucibles. Vesuvius Crucible Company. 190,187; Oct. 7; Serial No. 180,992; published July 22, 1924.
Fermentation meters. A. J. Banks. 190,179; Oct. 7; Serial No. 184,016; published July 29, 1924.
Hydrometer syringes. C. Manos. 190,165; Oct. 7; Serial No. 198,148; published July 29, 1924.
Hydrometers. Francis L. Freas Glass Works. 190,261; Oct. 7; Serial No. 193,227; published July 22, 1924.
Optical celluloid temples and celluloid fronts, metal screws, etc. Newark Noveloid Co. 190,119; Oct. 7; Serial No. 197,213; published July 29, 1924.
Photographic films. Kosmos Photographics, Limited. 190,247; Oct. 7; Serial No. 196,063; published July 22, 1924.
Photographic papers. Sensitized. Gevaert Photo-Producten N. V. 190,178; Oct. 7; Serial No. 184,240; published Oct. 30, 1923.
Picture films. Motion. Warner Brothers Pictures, Inc. 190,093; Oct. 7; Serial No. 195,927; published July 22, 1924.
Pictures. Motion. Fun Shop, Inc. 190,094; Oct. 7; Serial No. 195,880; published July 22, 1924.

CLASS 29.

Brushes, paint and varnish. John F. Herbert & Sons, Inc. 190,275; Oct. 7; Serial No. 198,572; published Aug. 5, 1924.
Toothbrushes. P. B. T. Williams. 190,276; Oct. 7; Serial No. 198,771; published Aug. 5, 1924.
Windshield cleaners. Haines Manufacturing Corporation. 190,206; Oct. 7; Serial No. 188,115; published Feb. 19, 1924.

CLASS 34.

Hunters Combination gas and water. Davis Engineering Corporation. 190,189; Oct. 7; Serial No. 196,794; published July 22, 1924.

CLASS 35.

Hose, Hydraulic. American Multiple Fabric Company. 20,059; renewed Feb. 19, 1925.
Tires, Pneumatic. North British Rubber Co. Limited. 23,996; renewed Jan. 2, 1924.

CLASS 39.

Bandeau for the head. Kaufmann Brothers. 190,265; Oct. 7; Serial No. 193,608; published July 22, 1924.
Boots and shoes. L. D. Stickle Shoe Co. 190,240; Oct. 7; Serial No. 196,320; published July 29, 1924.
Boots and shoes. Women's. Hamilton-Brown Shoe Co. 190,181; Oct. 7; Serial No. 183,284; published Feb. 19, 1924.
Boots, shoes, and slippers. Munroe Shoe Company. 190,144; Oct. 7; Serial No. 196,470; published July 22, 1924.
Boots, shoes, slippers. C. B. Slater Company. 190,108; Oct. 7; Serial No. 194,573; published July 22, 1924.
Brassieres. Boyshform Brassiere Co. 190,251-2; Oct. 7; Serial Nos. 190,760-1; published July 22, 1924.
Brassieres. Model Brassiere Co. 190,246; Oct. 7; Serial No. 190,067; published July 29, 1924.
Brassieres, brassiere corsets, and bandeaux. Belitt Brassiere Co. 190,087; Oct. 7; Serial No. 196,950; published July 22, 1924.
Caps, Men's cloth. N. G. Coalter. 190,092; Oct. 7; Serial No. 196,007; published July 29, 1924.
Clothing, Men's and boys' ready-made. B. Kuppenheimer & Co. 190,104; Oct. 7; Serial No. 195,111; published July 29, 1924.
Clothing, Men's work. Higginbotham-Bailey-Logan Company. 190,126; Oct. 7; Serial No. 197,375; published July 29, 1924.
Coats, Boys' and girls'. Samuel Spitz & Sons, Inc. 190,035; Oct. 7; Serial No. 179,431; published July 29, 1924.
Coats, full-dress suits, etc., sack and cutaway. D. T. Langrock, Inc. 190,197; Oct. 7; Serial No. 196,528; published July 29, 1924.
Collars, pyjamas, shirts, etc., Men's and boys'. H. Berger. 190,098; Oct. 7; Serial No. 195,674; published July 29, 1924.
Collars, pyjamas, shirts, etc., Men's and boys'. H. Berger. 190,142; Oct. 7; Serial No. 195,676; published July 22, 1924.
Corsets, brassieres, and underwear. Kops Bros. Inc. 190,157; Oct. 7; Serial No. 197,884; published July 29, 1924.

Corsets, corset waists, brassieres, etc. American Lady Corset Co. 190,118; Oct. 7; Serial No. 197,259; published July 29, 1924.
Dresses, sweaters, and suits. Knitted. Peerless Sweater Mills, Inc. 190,163; Oct. 7; Serial No. 196,618; published July 29, 1924.
Footwear. L. B. Evans' Son Company. 190,253; Oct. 7; Serial No. 190,877; published July 29, 1924.
Girdles. Natures Rival Co. 190,263; Oct. 7; Serial No. 193,613; published July 22, 1924.
Girdles and corsets. S. O. Grady. 190,069; Oct. 7; Serial No. 156,787; published July 22, 1924.
Hats. Hirschberg & Company. 190,145; Oct. 7; Serial No. 196,660; published July 22, 1924.
Hats. Charles Wimpfheimer, Inc. 190,254; Oct. 7; Serial No. 191,154; published July 22, 1924.
Hats and caps. Union Company. 190,242; Oct. 7; Serial No. 196,217; published July 29, 1924.
Hats and caps, Men's. Shulman Brothers & Karber, Incorporated. 190,171; Oct. 7; Serial No. 186,967; published July 29, 1924.
Hats, Ladies'. H. L. Distillator & Son, Inc. 190,191; Oct. 7; Serial No. 196,696; published July 22, 1924.
Hats, Ladies'. S. W. Thorpe. 190,090; Oct. 7; Serial No. 190,837; published July 22, 1924.
Hats, Women's. R. H. Macy & Co. 190,143; Oct. 7; Serial No. 196,394; published July 22, 1924.
Hose. J. Zinsmeister & Sons. 190,162; Oct. 7; Serial No. 197,977; published July 29, 1924.
Hosiery. Chipman Knitting Mills. 190,256; Oct. 7; Serial No. 191,531; published July 29, 1924.
Hosiery. Gano-Downs Clothing Company. 190,110; Oct. 7; Serial No. 196,054; published July 22, 1924.
Hosiery. Holyoke Silk Hosiery Company. 190,130; Oct. 7; Serial No. 197,599; published July 29, 1924.
Hosiery. David Jacobs Corporation. 190,131; Oct. 7; Serial No. 197,601; published July 29, 1924.
Hosiery. Paterson Knitting Mills Inc. 190,172; Oct. 7; Serial No. 185,984; published Jan. 8, 1924.
Hosiery. J. P. Voorhees. 190,193; Oct. 7; Serial No. 196,684; published July 29, 1924.
Hosiery. J. P. Walker. 190,155; Oct. 7; Serial No. 197,916; published July 29, 1924.
Hosiery. Y & B Hosiery Mills. 190,161; Oct. 7; Serial No. 197,976; published July 29, 1924.
Hosiery and underwear. Hoffman Hosiery Company. 190,054; Oct. 7; Serial No. 180,008; published July 29, 1924.
Hosiery and underwear. Merchants Textile Syndicate. 190,257; Oct. 7; Serial No. 192,190; published July 29, 1924.
Hosiery, Ladies'. Berks Knitting Company. 190,158; Oct. 7; Serial No. 197,924; published July 29, 1924.
Jackets, Leather. Thomson & Kelly Co. 190,267; Oct. 7; Serial No. 194,032; published July 29, 1924.
Lingerie, knitted underwear, etc., Women's. Wyant Way of New York, Incorporated. 190,102; Oct. 7; Serial No. 195,321; published July 29, 1924.
Neckties and cravats. Berkley Knitting Company. 190,186; Oct. 7; Serial No. 181,668; published July 29, 1924.
Neckties and mufflers. Knitted. Franklin Knitting Mills, Inc. 190,111; Oct. 7; Serial No. 194,200; published July 29, 1924.
Overcoats, Men's. Score's Balacava Limited. 190,262; Oct. 7; Serial No. 193,475; published July 29, 1924.
Overcoats, Men's and children's. Cohen, Goldman & Co. 190,192; Oct. 7; Serial No. 196,694; published July 29, 1924.
Shirts. Schott Bros. 190,159; Oct. 7; Serial No. 197,963; published July 29, 1924.
Shirts, Dress, negligee, and work. William R. Moore Dry Goods Company. 190,163; Oct. 7; Serial No. 198,021; published July 29, 1924.
Shirts, gowns, and pyjamas. Dress. Carleton Dry Goods Co. 190,115; Oct. 7; Serial No. 197,323; published July 29, 1924.
Shirts, Men's flannel negligee. I. H. Barnett & Brother. 190,114; Oct. 7; Serial No. 197,353; published July 29, 1924.
Shirts, work coats, and overalls. Signal Shirt Company. 190,103; Oct. 7; Serial No. 195,306; published July 29, 1924.
Shoes. Hamilton, Brown Shoe Company. 190,059; Oct. 7; Serial No. 176,984; published July 22, 1924.
Shoes. Hamilton, Brown Shoe Co. 190,060; Oct. 7; Serial No. 176,982; published July 22, 1924.
Shoes. Hamilton, Brown Shoe Company. 190,061; Oct. 7; Serial No. 176,977; published July 22, 1924.
Shoes. E. C. Till. 190,264; Oct. 7; Serial No. 193,639; published July 29, 1924.
Shoes and slippers. International Shoe Company. 190,177; Oct. 7; Serial No. 184,339; published Feb. 19, 1924.
Shoes, Boys' and girls'. Hamilton, Brown Shoe Company. 190,134; Oct. 7; Serial No. 176,983; published July 22, 1924.
Shoes, Infants' and children's. Glaser Shoe Company. 190,148; Oct. 7; Serial No. 197,070; published July 22, 1924.
Shoes, Leather. J. E. French Co. 190,146; Oct. 7; Serial No. 196,700; published July 22, 1924.
Shoes, Men's. Hamilton, Brown Shoe Company. 190,057; Oct. 7; Serial No. 176,990; published July 22, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Shoes, Men's. Hamilton, Brown Shoe Company. 190,062; Oct. 7; Serial No. 176,976; published July 22, 1924.
Shoes, Men's and boys'. Hamilton, Brown Shoe Company. 190,058; Oct. 7; Serial No. 176,987; published July 22, 1924.
Shoes, Men's and boys'. Hamilton, Brown Shoe Company. 190,063; Oct. 7; Serial No. 176,986; published July 22, 1924.
Spats. Eagle Knitting Mills. 190,169; Oct. 7; Serial No. 189,362; published July 22, 1924.
Suits, dresses, sweaters, etc. Sport. Royal-Ascot Knitting Mills Company. 190,243; Oct. 7; Serial No. 196,196; published July 29, 1924.
Suits, Men's. Wm. Marnitz Co. 190,139; Oct. 7; Serial No. 192,080; published July 22, 1924.
Sweaters, caps, scarfs, etc. Highland Shaker Sweater Co. 190,199; Oct. 7; Serial No. 196,387; published July 29, 1924.
Topcoats, overcoats, coats, etc. Men's. D. Levine. 190,120; Oct. 7; Serial No. 197,159; published July 29, 1924.
Undergarments for children. La Mode Garment Co. 190,116; Oct. 7; Serial No. 197,284; published July 29, 1924.
Underperpeticoats, kimono's, etc. Children's. D. W. Kaatz Co. 190,180; Oct. 7; Serial No. 183,796; published July 29, 1924.
Underwear, Silk. Samuel N. Magill, Inc. 190,065; Oct. 7; Serial No. 171,372; published July 29, 1924.
Underwear, Women's knitted. Portage Underwear Manufacturing Company. 190,268; Oct. 7; Serial No. 194,216; published July 29, 1924.

CLASS 40.
Laces, Shoe. Diamond Braiding Mills. 190,280; Oct. 7.

CLASS 43.
Cotton, Spool. Willmantic Linen Company. 25,627-31; renewed Dec. 11, 1924.
Cotton, Spool. Willmantic Linen Company. 25,634-6; renewed Dec. 11, 1924.

CLASS 44.
Absorbent fabrics. Absorbent Products Corporation. 190,190; Oct. 7; Serial No. 196,783; published July 22, 1924.
Dental amalgam. I. Stern & Company. 190,067; Oct. 7; Serial No. 168,808; published July 22, 1924.
Dental castings, Metals for gold. Vincent J. Luongo & Company. 190,196; Oct. 7; Serial No. 196,601; published July 22, 1924.
Electrical apparatus. Karlsruher Kunstgewerbliche Werkstätten C. F. Otto Müller G. m. b. H. 190,124; Oct. 7; Serial No. 197,082; published July 22, 1924.
Finger tips. Taperite Company. 190,088; Oct. 7; Serial No. 196,889; published July 22, 1924.
Fessary. Bee Cell Co. 190,077; Oct. 7; Serial No. 197,651; published July 29, 1924.
Sterilizers and bacteriological incubators. Willmot Castle Company. 190,248; Oct. 7; Serial No. 189,875; published July 22, 1924.
Toothbrush sterilizers. Thompson Germicidal Sterilizer Co. 190,072; Oct. 7; Serial No. 197,630; published July 29, 1924.
Undergarments, Ladies' sanitary. Helene Manufacturing Co. 190,107; Oct. 7; Serial No. 194,798; published July 22, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.
Dogs. G. R. Dodge. 200,312; Oct. 7.

CLASS 2.
Eyeglass receptacles. W. E. Montgomery. 192,717; Oct. 7.

CLASS 4.
Cleaning and polishing paste. A-Mer-Ic-Al Company. 201,791; Oct. 7.
Cleaning fluid, shoe polishes, etc. Griffin Manufacturing Co. 199,423; Oct. 7.
Cleaning and washing compounds. Solvay Process Company. 196,406; Oct. 7.
Cleaning, washing, and scouring preparation. B. Heller & Company. 201,661; Oct. 7.
Oils, Mixture of petroleum. Vacuum Oil Company. 171,292; Oct. 7.
Soap. Benj. S. Freedman Co. 195,814; Oct. 7.
Soap. Gotham Silk Hosiery Co. 199,553; Oct. 7.
Soap. Philippine Manufacturing Company. 201,976; Oct. 7.
Soap, Powdered. Chas. W. Young & Co. 201,826; Oct. 7.
Soap, Toilet. Lebona, Ltd. 201,356; Oct. 7.
Soaps, Toilet and shaving. Palmolive Company. 200,276; Oct. 7.

CLASS 45.
Beverages sold as soft drinks. C. G. Blandford. 190,218-19; Oct. 7; Serial Nos. 197,319-20; published Aug. 5, 1924.
Beverages sold as soft drinks. L. H. Kirkpatrick. 190,130; Oct. 7; Serial No. 182,756; published Dec. 25, 1923.
Ginger ale, root beer, and beverages sold as soft drinks. Clover Leaf Products Co. 190,210; Oct. 7; Serial No. 194,849; published Aug. 5, 1924.
Mineral waters, gases, powders, and salts for mineral waters, and condensates of said salts. Agua Imperial. Sociedad. Anónima. 190,140; Oct. 7; Serial No. 197,792; published July 29, 1924.

CLASS 46.
Bread and cake. Ward Baking Company. 190,174; Oct. 7; Serial No. 185,733; published July 29, 1924.
Butter and eggs. S. G. Burton. 190,122; Oct. 7; Serial No. 197,130; published July 29, 1924.
Cakes, chocolates, candies, and pastry. Oskar Plischinger, Inc. 190,128; Oct. 7; Serial No. 197,449; published July 29, 1924.
Candy. New York Confection Company. 190,289; Oct. 7.
Canned fruits and vegetables. Springville Canning Co. 190,277; Oct. 7.
Chocolate-covered wafers. Thomas-Daggett Company. 190,160; Oct. 7; Serial No. 197,909; published July 29, 1924.
Coffee, teas, spices. Milo Coffee Co. 190,156; Oct. 7; Serial No. 197,802; published July 29, 1924.
Eggs in cans. Broken. Detroit Butter & Egg Co. 190,255; Oct. 7; Serial No. 191,372; published July 29, 1924.
Ice cream. Niser Ice Cream Company. 190,227; Oct. 7; Serial No. 197,676; published July 29, 1924.
Ice-cream cones. George and Thomas. 190,278; Oct. 7.
Ice cream, etc. Edible containers for. Zeerro Waffle Company. 190,084; Oct. 7; Serial No. 197,789; published July 29, 1924.
Maple sugar and sirup. Cary Maple Sugar Co. 190,279; Oct. 7.
Mayonnaise. Bryan-Keefe & Co. 190,166; Oct. 7; Serial No. 198,222; published July 29, 1924.
Meats, Preserved. V. Stanisits. 190,056; Oct. 7; Serial No. 178,148; published Dec. 11, 1923.
Milk, cream, cheese, etc. Nestlé & Anglo-Swiss Condensed Milk Co. 190,133; Oct. 7; Serial No. 157,630; published Apr. 29, 1924.
Minicement, lemon butter, pork pies, etc. E. S. Tebbutt. 190,266; Oct. 7; Serial No. 194,031; published July 29, 1924.
Oil, Olive. Salvatore Esposito & Bros. 190,085; Oct. 7; Serial No. 197,870; published July 29, 1924.
Sirup for food purposes. Malt. H. H. Schneller. 190,100; Oct. 7; Serial No. 195,541; published July 29, 1924.
Spices. Van Loan & Company. 190,099; Oct. 7; Serial No. 195,557; published July 29, 1924.

CLASS 50.
Skeletons and bodies and parts of same and casts or models and parts of same. General Biological Supply House, Inc. 190,286; Oct. 7.
Stencils. J. J. Kann. 190,175; Oct. 7; Serial No. 185,650; published July 22, 1924.

Washing powders and metal polish. Kendall Manufacturing Company. 200,451; Oct. 7.

CLASS 6.
Alcohol, Completely-denatured. Federal Products Co. 201,190; Oct. 7.
Analgesics, anesthetics, anodynes, etc. Schering & Glatz, Inc. 200,522; Oct. 7.
Capsules for colds and influenza. M. C. Kalls. 166,078; Oct. 7.
Cascara sagrada, zinc stearate, tincture iodine, etc. Fluid extract. John T. Milliken & Company. 186,434; Oct. 7.
Cologne spirits and rubbing alcohol. Federal Products Co. 201,191; Oct. 7.
Colors, Certified food. National Aniline & Chemical Company. 199,179; Oct. 7.
Compound to be mixed with gasoline. M. R. Hutchison. 197,882; Oct. 7.
Cough drops. J. Frank Shellenberger Co. 201,266; Oct. 7.
Cream for the skin. Otis Clapp & Son, Inc. 200,850; Oct. 7.
Creams, Cleansing and vanishing. Mission Products Co. 200,892; Oct. 7.
Creams, lotions, and powders, Cosmetic. O. L. Arlen. 198,045; Oct. 7.
Disinfectant. Otis Clapp & Son, Inc. 200,858; Oct. 7.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Disinfectants, deodorants, and germicides. Creolin Co. 200,039; Oct. 7.
Eye bath. Otis Clapp & Son, Inc. 200,853; Oct. 7.
Eye wash and salve. Lewis Drug Company. 200,051; Oct. 7.
Fluid for prevention and removal of corrosion of metals. A. J. Jones. 201,404; Oct. 7.
Fluxes for soldering metals. Actien-Gesellschaft für Anilin Fabrikation. 201,316-17; Oct. 7.
Food colors. B. Heller & Company. 201,237; Oct. 7.
Hair-color restorer. J. F. Katz. 197,436; Oct. 7.
Hair cream. E. J. Enderes. 201,339; Oct. 7.
Hairdressing. Phoenix Laboratories. 197,831; Oct. 7.
Hair grower. B. L. Clark. 201,179; Oct. 7.
Hair tonic and dandruff treatment. Otis Clapp & Son, Inc. 200,852; Oct. 7.
Hair tonic, complexion powder, tooth paste, etc. A. J. Hilbert & Co. 197,934; Oct. 7.
Headache powders. J. A. Wherrett. 190,280; Oct. 7.
Insecticide, Animal. Park Laboratory Co. 201,408; Oct. 7.
Insecticides, Texas Company. 201,313-15; Oct. 7.
Insecticides and fly and insect spray. H. J. Smith. 197,301; Oct. 7.
Insecticides and rodent exterminator. M. Sultzbach. 200,597; Oct. 7.
Lip pencils. F. N. Lewis. 174,467; Oct. 7.
Medicinal preparation used in the treatment of rheumatism, etc. A. A. derson. 197,351; Oct. 7.
Medicine. O. De Oto. 200,382; Oct. 7.
Medicine for consumption, asthma, bronchitis, etc. J. C. Desormieux. 200,041; Oct. 7.
Medicine, Narcotic-addict. B. S. Gastineau. 196,586; Oct. 7.
Oil Petroleum. Standard Oil Company. 185,267; Oct. 7.
Ointment and a remedy for blood diseases. Guardias Ointment Company. 200,044; Oct. 7.
Perfume. Otis Clapp & Son, Inc. 200,856-7; Oct. 7.
Pharmaceutical preparation. Dr. C. R. Böhm. 197,989; Oct. 7.
Phenylcinchoninic acid. Lehn & Fink, Inc. 200,324; Oct. 7.
Powder, Face. F. M. Prindle. 200,083; Oct. 7.
Powders and creams, toilet waters, etc. Face. Calvaire, Inc. 201,328; Oct. 7.
Preparation for coating the hands. Pastelike. H. A. Nachtrieb. 198,666; Oct. 7.
Preparation for croup, colds, catarrh, etc. Bacorn Company. 197,182; Oct. 7.
Preparation to be added to gasoline and petroleum products. G. J. Gilmore. 200,314; Oct. 7.
Preparation used for allaying pain. B. F. Roseman. 201,378; Oct. 7.
Remedy for colds and headaches. Otis Clapp & Son, Inc. 200,851; Oct. 7.
Rouge. A. H. Arlt. 201,387; Oct. 7.
Rouge, Lip stick, and face powder. Lournay, Inc. 182,424; Oct. 7.
Shampoo. W. J. Whitson. 201,216; Oct. 7.
Suppository, Antiseptic vaginal. F. C. Graf. 199,782; Oct. 7.
Suppository, Rectal. Otis Clapp & Son, Inc. 200,854-5; Oct. 7.
Suppository, Vaginal. Otis Clapp & Son, Inc. 200,861; Oct. 7.
Tablets. Eli Lilly & Company. 143,296; Oct. 7.
Tablets for the rapid quantitative determination of acids, etc. in solutions. W. G. Imhoff. 199,787; Oct. 7.
Tanning material. J. K. Tullis. 198,431; Oct. 7.
Toilet powder. Otis Clapp & Son, Inc. 200,859; Oct. 7.
Tonic, System. A. W. Joslyn. 199,840; Oct. 7.
Tooth powder, perfumes, etc. Aktiebolaget Grumme & Son. 198,439; Oct. 7.
Treatment for the scalp and dandruff. J. S. C. Birnbaum. 201,276; Oct. 7.
Washing and cleaning fluid. Ever-White Fluid Co. 199,467; Oct. 7.

CLASS 7.
Clotheslines, twine, rope, and roving. Nonmetallic. Fisher Bros. Paper Company. 200,873; Oct. 7.

CLASS 10.
Fertilizers. D. M. Helmick. 201,847; Oct. 7.

CLASS 12.
Cabinet work and millwork, interior and exterior millwork. Frank Schmitt & Company. 184,267; Oct. 7.
Floors, nailing base for concrete, and walls, Cement and other. Cement Finish Co. 168,916; Oct. 7.
Plaster. Macoustic Engineering Company. 200,504; Oct. 7.

CLASS 13.
Closet seats. Brunswick-Balke-Collender Company. 201,535; Oct. 7.
Trays, Laundry. Chas. Wesely Company. 201,419; Oct. 7.

CLASS 14.
Forgings, Upset. American Forge Company. 201,523; Oct. 7.

CLASS 16.
Lacquers, paint and pyroxylin enamels and finishes. E. I. du Pont de Nemours and Company. 197,425; Oct. 7.
Lacquers, paint and pyroxylin enamels and finishes. E. I. du Pont de Nemours and Company. 198,225; Oct. 7.
Paints and varnishes, Hardening solution for. Clark Products Company. 201,019; Oct. 7.
Polish, Automobile. R. G. Morton & Son. 201,150; Oct. 7.

CLASS 17.
Cigarettes. F. R. Sfire. 201,820; Oct. 7.
Cigars. Columbia Cigar Company. 202,098; Oct. 7.
Cigars. Andy Dehner Cigar Co. 201,948; Oct. 7.

CLASS 19.
Radiator caps. L. A. Sweet. 191,202; Oct. 7.
Vehicles, Motor. Percy Chamberlain Associates, Inc. 196,693; Oct. 7.

CLASS 21.
Antenna wire. Colonial Brass Company. 200,863; Oct. 7.
Lights, Automobile dome and corner. Ternstedt Manufacturing Company. 200,162; Oct. 7.
Magneton, spark plugs, electrical switches, etc. H. G. J. Frank. 193,223; Oct. 7.
Radio apparatus. Duplex Engine Governor Company. 197,804; Oct. 7.
Radio equipment. Electrad Corporation of America. 182,852; Oct. 7.
Spark plugs. G. E. Banghart. 200,305; Oct. 7.
Stoves, ranges, cookers, motors, and air and water heaters, Electric. Westgate Metal Products Co. 176,587; Oct. 7.

CLASS 23.
Candy-coating machines, candy pumps and coolers, etc. Universal Candy and Chocolate Machinery Company. 199,661; Oct. 7.
Chucks. Cushman Chuck Company. 200,481; Oct. 7.
Cream separators. Maskin- och Brolyggnads Aktiebolaget. 200,953-4; Oct. 7.
Cream separators and churns. Märksche Maschinenbau-Anstalt "Teutonia" Gesellschaft mit beschränkter Haftung. 196,922; Oct. 7.
Hoes and cultivators, Combined. L. J. Stafford. 201,516; Oct. 7.
Mower, Water-weighted lawn. Dunham Company. 202,007; Oct. 7.
Pipe cutters and vises, vise stands, etc. Nye Tool & Machine Works. 201,972; Oct. 7.
Printing devices, Hand-operated. Stampograph Company. 201,938; Oct. 7.
Razors, table knives, scissors, etc. Sollinger Metallwarenfabrik G. m. b. H. 196,937; Oct. 7.
Sewing machines. Union Special Machine Company. 197,846; Oct. 7.
Sewing machines for closing filled bags. Union Special Machine Company. 197,461; Oct. 7.
Wrenches, power grinders, and sickle attachments. American Grinder Manufacturing Co. 197,181; Oct. 7.

CLASS 25.
Banks, Portable savings. Vertaco Manufacturing Company. 201,418; Oct. 7.
Banks, Savings. Burns Company. 202,000; Oct. 7.

CLASS 26.
Gauges, Gasoline. A. J. Kirstin Company. 201,146; Oct. 7.
Photographic paper, Sensitized. Eastman Kodak Company. 201,431; Oct. 7.
Scales, Weighing. Barnes Scale Company. 200,804; Oct. 7.

CLASS 27.
Watches. Repollier Watch Company. 182,402; Oct. 7.

CLASS 28.
Rings, Finger. Jason Weiler & Sons. 200,914; Oct. 7.

CLASS 32.
Desks, Educational Furniture Corporation. 199,831; Oct. 7.
Mirrors, Hand. Fiberloid Corporation. 187,614; Oct. 7.

CLASS 34.
Air of smoke and odors and to vaporize perfume. Apparatus to clear. A. F. Jennings. 180,703; Oct. 7.
Stoves and ranges, Gas. Geo. D. Roper Corporation. 201,046; Oct. 7.

CLASS 35.
Rubber tubing. Metropolitan Device Corporation. 199,642; Oct. 7.
Tire casings and tubes, Vehicle. Blackfoot Tire and Rubber Company. 200,978; Oct. 7.

CLASS 36.
Accordions. C. Bruno & Son, Inc. 201,325; Oct. 7.
Banjos. C. Bruno & Son, Inc. 199,147; Oct. 7.
Harmonicas, Mouth. M. Hohner, Inc. 200,937-45; Oct. 7.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Phonograph records and books therefor. Plaza Music Co. 200,960; Oct. 7.
 Planos, player. Autopiano Company. 153,910; Oct. 7.
 Planos, player pianos, phonographs, etc. Verdi & Rosini Music House. 201,165; Oct. 7.
 Planos, reproducing upright and grand. M. Schulz Company. 201,212; Oct. 7.
 Saxophones. H. N. White Company. 201,168; Oct. 7.
 Talking-machine records. Whiklan Corporation. 201,727; Oct. 7.

CLASS 37.

Paper, Bond. Neenah Paper Company. 201,251; Oct. 7.

CLASS 38.

Cartoons, Series of. F. Fox. 201,081; Oct. 7.
 Directories. Directory Publishing Company. 197,194; Oct. 7.
 Labels and tags. Woven. B. B. & R. Knight, Inc. 163,449; Oct. 7.

Magazine. Ohio Motorist Publishing Company. 201,522; Oct. 7.

Magazine. Waldorf-Astoria Service Corporation. 201,632; Oct. 7.

Magazine. S. J. Wolf. 201,272; Oct. 7.

Magazine, Monthly. Builders Exchange Publishing Company. 201,175; Oct. 7.

Magazine, Monthly. Gage International Publishing Corporation. 201,132; Oct. 7.

Magazine, Monthly. Gage Publishing Company. 201,131; Oct. 7.

Magazines, Monthly. All-Sports, Inc. 201,071; Oct. 7.

Magazines or periodicals, Monthly. American Optical Company. 184,317; Oct. 7.

Newspaper. Plummer Publications, Inc. 181,219; Oct. 7.

Newspaper articles. R. D. Heintz. 200,198; Oct. 7.

Newspapers. Post Publishing Company. 201,624-6; Oct. 7.

Periodical. Radio Age, Inc. 200,779; Oct. 7.

Periodical, Monthly. Edgewater Beach Hotel Company. 201,129; Oct. 7.

Pictures, Directory for moving. Ridgeway & Hopkins. 180,987; Oct. 7.

Printing-office products. Ullstein Aktiengesellschaft. 196,492; Oct. 7.

Publication, Bimonthly. Business Equipment Publishing Company. 201,327; Oct. 7.

CLASS 39.

Boots and shoes. Kreider-Crevelling Shoe Co. 200,864; Oct. 7.

Boots, shoes, and slippers. J. M. Daly. 193,760; Oct. 7.

Cloaks, coats, suits, dresses, and skirts, Ladies'. E. J. Wile and Company. 194,093; Oct. 7.

Clothing. Oppenheim, Oberndorf & Co. 199,644; Oct. 7.

Cravats, Men's. Hut Neckwear Company. 201,450; Oct. 7.

Dresses, aprons, and house dresses, Wash. L. N. Gross Company. 196,243; Oct. 7.

Dresses, coats, and suits for women. Semmel & Friedlander Inc. 194,952; Oct. 7.

Gloves. National Glove Company. 199,434-6; Oct. 7.

Hats, caps, boots, etc. Chas. Lavy & Co. 191,326; Oct. 7.

Hats, caps, boots, etc. Chas. Lavy & Co. 191,331; Oct. 7.

Hats, Ladies' and misses'. Samuel D. Lasdon & Co. 200,721; Oct. 7.

Hats, Women's. L. B. Bamberger & Co. 201,218; Oct. 7.

Hosiery. Massachusetts Knitting Mills. 201,460; Oct. 7.

Hosiery, sweaters, shirts, etc. Budd & Votaw. 193,212; Oct. 7.

Knitted underwear, blouses, dresses, etc. Famous Textile Co. 199,614; Oct. 7.

Mufflers. Welsa & Zahler. 199,813; Oct. 7.

Neckties. Welsbaum Bros.-Brower Co. 199,870; Oct. 7.

Overalls, coats, pants, and shirts. Cookeville Overall Manufacturing Company. 199,975; Oct. 7.

Pants and trousers, Men's. Jacobson Brothers. 199,702; Oct. 7.

Pants, overalls, and coats. A. Winer. 200,163; Oct. 17.

Serge suits, Men's. Best of All Company. 192,753; Oct. 7.

Shirts, nightshirts, pyjamas, and athletic underwear. Stone and Williams Company. 186,808; Oct. 7.

Skirts and dresses. Ribner & Wachs. 192,087; Oct. 7.

Sport coats, suits, dresses, etc. Women's, misses', and children's. Leblond-Goldsmith Co. 200,049; Oct. 7.

Stockings, underwear, sandals, boots, etc. Allard & Co. 182,557; Oct. 7.

Suits and overcoats, Men's. Chas. H. Liebman & Bro. 200,362; Oct. 7.

Suits, topcoats, and overcoats. S. S. Grossman. 193,767; Oct. 7.

Topcoats and raincoats. H. & L. Epstein Inc. 188,671; Oct. 7.

Underwear for men. Open-mesh knitted. Atlas Underwear Company. 199,970; Oct. 7.

CLASS 40.

Hairpins. Pacific Novelty Company. 199,798; Oct. 7.

Hair-waving instrument. Flexible nonelectrical. W. C. Scherer. 199,721; Oct. 7.

Shoehorns, buttonhooks, glove stretchers, and combs. Fiberloid Corporation. 187,615; Oct. 7.

CLASS 44.

Arch supports. Scholl Manufacturing Company. 201,468; Oct. 7.

Gold and platinum alloy metal. M. F. Patterson Dental Supply Company. 201,155; Oct. 7.

Mercury-vapor arc lamps. Cooper Hewitt Electric Company. 201,392; Oct. 7.

Root-canal instruments and cleaners, dental mandrels, etc. United States Dental Manufacturing Company. 201,991; Oct. 7.

Sanitary napkins. H. P. Wasson & Co. 195,470; Oct. 7.

Telephones and ear phones, stethoscopes, and parts thereof. Globe Phone Manufacturing Company. 168,637; Oct. 7.

CLASS 45.

Beverage, Nonalcoholic maltless. Bennesson & Treanor. 200,543; Oct. 7.

Beverage sold as a soft drink. Exchange Buffet Corporation. 198,298; Oct. 7.

Beverages. Palmerton Bottling Works. 200,576; Oct. 7.

Ginger ale. Coca Cola Bottling Company. 199,446; Oct. 7.

Ginger ale. Lankershim Fruit Products Co. 201,091; Oct. 7.

Syrup used in the preparation of soft drinks. G. E. Baldwin. 200,844; Oct. 7.

CLASS 46.

Beef, Fresh. Detroit Packing Company. 199,682; Oct. 7.

Candy. Collins-Hencke Candy Co. 201,535; Oct. 7.

Candy. E. H. Du Bois. 201,699; Oct. 7.

Canned fruits. Haas Brothers. 193,359; Oct. 7.

Canned sardines. M. de Bruyn. 200,671; Oct. 7.

Canned vegetables. Cedar Falls Canning Co. 201,538; Oct. 7.

Canned vegetables. Olney & Floyd. 197,214; Oct. 7.

Canned vegetables. Staub-Richardson Co. 201,595; Oct. 7.

Canned vegetables and berries. Winorr Canning Company. 201,605; Oct. 7.

Cereal, Wheat. Old Fashioned Millers, Inc. 179,881; Oct. 7.

Chocolates. Boston Confectionery Company. 145,935; Oct. 7.

Coconut candy. Kibbe Brothers Company. 196,123; Oct. 7.

Confection. Two in One Confection Company. 182,228; Oct. 7.

Eggs. Lewis Mears Company. 200,823; Oct. 7.

Feeds. Sunny South Grain Company. 201,472; Oct. 7.

Flour, Plain and self-rising. Mountain City Mill Co. 199,897; Oct. 7.

Food compressing chocolate liquor, condensed whole milk, and sugar. National Dairy Company. 200,506; Oct. 7.

Fruits, Fresh. A. W. Frost. 198,856; Oct. 7.

Fruits, Fresh citrus. Terra Bella Citrus Association. 201,721; Oct. 7.

Grapefruit, Fresh. Southern Fruit Producers. 197,302; Oct. 7.

Gum and candy. Chewing. H. E. MacConaughy. 197,672; Oct. 7.

Hams and bacon. Hammond Standish & Co. 199,696; Oct. 7.

Limes, Fresh. A. S. Livesey. 201,199; Oct. 7.

Malt. N. Milgram. 201,204; Oct. 7.

Malt extract. H. Meinhardt & Co. 200,891; Oct. 7.

Marmalade. Chivers & Sons, Limited. 191,166; Oct. 7.

Marmalades, jams, jellies, etc. E. Macfarlane. 200,503; Oct. 7.

Mash and hen scratch feeds. Egg. R. B. Liles Grain Company. 200,888; Oct. 7.

Milk, cream, etc. R. Russell. 200,644; Oct. 7.

Mint sauce. Kehoe Preserving Co. 200,948; Oct. 7.

Oranges and grapefruit. H. D. Miller. 174,525; Oct. 7.

Oranges and lemons, Fresh. Whittier Select Citrus Association. 201,789; Oct. 7.

Pears and apples, Fresh. V. T. McCurdy. 199,709; Oct. 7.

Sandwich filler. A. E. Wright Company. 199,734; Oct. 7.

Spices. Jas. H. Forbes Tea & Coffee Co. 200,193; Oct. 7.

Starch mixture, Dried. C. Feldhusen. 200,484; Oct. 7.

Teas. Nip-O-Products Co. 197,553; Oct. 7.

CLASS 48.

Beverage, Nonalcoholic malt. Renner Products Company. 201,208; Oct. 7.

CLASS 50.

Display apparatus. A. Bernstein. 186,213; Oct. 7.

Meats, Artificial. F. Lo Gatto. 200,147; Oct. 7.

Waterproof cotton fabrics in the piece. Mid West Sales and Manufacturing Co. 200,367; Oct. 7.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Berge, Joseph, assignor.)

A C Spark Plug Company. (See Champion, A., and Blackmore, assignors.)

A C Spark Plug Company. (See Rabezzana, Hector, assignor.)

Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Interlocking strip shingles. 1,510,533; Oct. 7.

Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Interlocking shingles. 1,510,534; Oct. 7.

Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Interlocking shingles. 1,510,535; Oct. 7.

Acme Machinery Company, The. (See Russell, George W., assignor.)

Acme Road Machinery Company. (See Cordier, Harry G., assignor.)

Adams, Robert E., Harrisburg, Pa. Combination baggage. 1,510,815; Oct. 7.

Adams, Roy W., New Britain, Conn. Figurehead. 1,511,044; Oct. 7.

Aderer, Hugo, East Orange, N. J., assignor to J. F. Jelenko & Co., New York, N. Y. Dental clasp. 1,511,096; Oct. 7.

Adkins, Benjamin R., Upper Warlingham, and W. Y. Lewis, Southend-on-Sea, England. Conveying apparatus. 1,511,011; Oct. 7.

Adkins, Benjamin R., Upper Warlingham, and W. Y. Lewis, Southend-on-Sea, England. Automatic door-operating mechanism. 1,511,012; Oct. 7.

Acolian Company. (See Zaiser, William, assignor.)

Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Equalization of carrier transmissions. 1,511,013; Oct. 7.

Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulation. 1,511,014; Oct. 7.

Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulation. 1,511,015; Oct. 7.

Agell, John, assignor to Alladin Toy Company, Inc., New York, N. Y. Toy horse. Des. 65,717; Oct. 7.

Aitken, Andrew W., assignor to The Springfield Motor Sweeper Company, Springfield, Ohio. Street sweeper. 1,510,880; Oct. 7.

Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)

Albertoll, John, San Francisco, Calif. Apparatus for marking cans. 1,510,734; Oct. 7.

Alladin Toy Company. (See Agell, John, assignor.)

Allen, Edgar C., assignor of one-half to R. L. Knutsson, Rockford, Ill. Signal apparatus. 1,510,912; Oct. 7.

Allen, Robert, Oxon, England. Metallic packing for pistons. 1,510,816; Oct. 7.

Althoff, Oscar W., and L. S. Baluta, Berwick, Pa. Emergency lighting system. 1,511,097; Oct. 7.

Amble, Elmer L., assignor of two-fifths to C. Hanson, Frost, Minn. Combined sugar-beet topper and lifter. 1,510,452; Oct. 7.

American Can Company. (See Snyder, Vernon C., assignor.)

American Cellulose Company. (See Herrmann, Richard, assignor.)

American Chain Company. (See Hoover, Thomas A., assignor.)

American Cotton Oil Company, The. (See Phillips, Cecil O., assignor.)

American Fabrics Company, The. (See Barnum, Harry B., assignor.)

American Laundry Machinery Company, The. (See Warren, C. E., and Dreher, assignors.)

American Radiator Company. (See Soule, Lawrence C., assignor.)

American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)

American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)

Anderson, Louis A., assignor to R & G Company, Inc., Attleboro, Mass. Belt buckle. 1,510,643; Oct. 7.

Andryszak, Wladyslaw S., South Bend, Ind. Intensifier for burners. 1,511,045; Oct. 7.

Anschell, Sidney C., Chicago, Ill., assignor to The Folly Town Company, Canton, Des. 65,718; Oct. 7.

827 O. G.—14a

Anseo Photoproducts, Incorporated. (See Bornmann, Carl, assignor.)

Anseo Photoproducts, Inc. (See Bornmann, Carl A., jr., assignor.)

Anseo Photoproducts, Inc. (See Bornmann, Carl, jr., assignor.)

Anthony, Leon P., and R. W. Reynolds, Los Angeles, Calif. Machine for deshealing nuts. 1,510,575; Oct. 7.

Arey, Fred C., Chicago, Ill., assignor to Horlick's Malted Milk Company, Racine, Wis. Bottle-topping means. 1,510,913; Oct. 7.

Armstrong, Edward R., Philadelphia, Pa. Sea station. 1,511,153; Oct. 7.

Armstrong, Henry C., Ashland, Wis. Ironing board. 1,511,098; Oct. 7.

Armstrong Manufacturing Company. (See Watson, George R., assignor.)

Aseltine, Fred E., Detroit, Mich. Cooling system for internal-combustion engines. 1,511,204; Oct. 7.

Ashabula Bow Socket Company, The. (See Cloyes, James H., assignor.)

Asplund, Axel A., Auburn, N. Y. Fuel-pump-control lever with connections. 1,510,576; Oct. 7.

Asplund, Axel A., Auburn, N. Y. Device for operating valves. 1,510,577; Oct. 7.

Atlas Powder Company. (See Robinson, Guy C., assignor.)

Austin, F. C., Machinery Company. (See French, James C., assignor.)

Austin, John B., Cleveland, Ohio. Uniting metals. 1,511,194; Oct. 7.

Austin, John B., Cleveland, Ohio. Uniting copper to steel. 1,511,195; Oct. 7.

Austin, John B., Cleveland, Ohio. Uniting metals. 1,511,196; Oct. 7.

Austin, John B., Cleveland, Ohio. Uniting copper to steel. 1,511,197; Oct. 7.

Avery, W. & T., Limited. (See Sykes, Cameron M., assignor.)

Avery, William H. (See Schauman, Karl O., assignor.)

Ayrault, John, Jr. (See Ayrault, Lawrence T. and J., Jr.)

Ayrault, Lawrence T. and J., Jr. Tonaunda, N. Y. Fastening device for roofing fabrics. 1,510,756; Oct. 7.

Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)

Babin, Telesphore, Houma, La. Sink. 1,510,970; Oct. 7.

Badger Fire Extinguisher Company. (See Norton, Jerome B., assignor.)

Bahr, Daniel, Dunlap, Iowa. Fruit-stemming machine. 1,510,578; Oct. 7.

Bahr, Wilhelm E., Osceola, Neb. Trap gun. 1,510,971; Oct. 7.

Bailey, Percy T., Middletown, R. I. Wire-fence tie. 1,511,099; Oct. 7.

Bailey, Thomas A. (See Cushing, W. F., sr., and Bailey.)

Balsden, Edward J., assignor, by mesne assignments, of one-half to G. E. Grey and one-half to G. J. Lloyd, New York, N. Y. Child's vehicle. 1,510,491; Oct. 7.

Baker, Frank, Alderson, W. Va. Pitman connection for mowing machines. 1,510,817; Oct. 7.

Baldwin, Walter L., New Bedford, Mass. Automobile signal. 1,511,100; Oct. 7.

Ball, Guy M., Dayton, Ohio. Parachute. 1,511,154; Oct. 7.

Ball, Jay O., Bogota, N. J. Combined shovel and ash sifter. 1,510,757; Oct. 7.

Ballard, Grace, Casper, Wyo., now by marriage G. B. Howell. Paintbrush attachment. 1,510,536; Oct. 7.

Baluta, Leonard S. (See Althoff, O. W., and Baluta.)

Bamford, Arthur P. (See Emde, L. R., and Bamford.)

Barnum, Harry B., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 65,719; Oct. 7.

Barr, N. Rogers, et al., trustees. (See Kluefer, Guy L., assignor.)

Barrett Company, The. (See Perry, Ray P., assignor.)

Barricklow, George W., Akron, Ohio. Vehicle signal-lamp casing. Des. 65,720; Oct. 7.

Barron, Herbert E., Dupo, Ill. Paste-tube collapsor. 1,510,818; Oct. 7.

Barry, Louis J. (See Macfarlane, S. B., and Barry.)

Barth, Carl G., Philadelphia, Pa. Method and means for re-forming wheels having worn treads and flanges. 1,510,819; Oct. 7.

Bartholdi, Amlo, Jersey City, N. J. Garment hanger. 1,510,915; Oct. 7.

Baumann, Christian W., Cavalier, N. Dak. Automobile snow shovel. 1,511,072; Oct. 7.

Baybutt, Richard, assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether purification. 1,510,735; Oct. 7.

Beam, Stephen E., Anamosa, Iowa. Casket stand. 1,510,972; Oct. 7.

Beauregard, Victor. (See Nadell, A. M., and Beauregard.)

Beck, Charles W., assignor to The Beck-Frost Corporation, Detroit, Mich. Steering-wheel rim. 1,510,881; Oct. 7.

Beck-Frost Corporation, The. (See Beck, Charles W., assignor.)

Beck, William M., Elwood, Ind. Governor mechanism for automatic train control. 1,510,644; Oct. 7.

Behan, Thomas, Alliquippa, Pa. Urine conductor. 1,510,973; Oct. 7.

Behrend & Rothschild. (See Lee, John J., assignor.)

Bell, Raymond T., Chicago, Ill., assignor, by mesne assignments, to The Wahl Company. Pencil. 1,510,618; Oct. 7.

Belsky, William, assignor to Paragon Button Corporation, New York, N. Y. Button. 1,511,101; Oct. 7.

Bennett, Arthur J., Cambridge, Ohio. Relish dish. Des. 65,721; Oct. 7.

Bennett, Arthur J., Cambridge, Ohio. Relish dish. Des. 65,722; Oct. 7.

Berdar, Peter, New York, N. Y. Valve. 1,510,820; Oct. 7.

Berg, Bernhardt C., Los Angeles, Calif. Oil burner. 1,510,916; Oct. 7.

Berge, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,511,198; Oct. 7.

Bergman, Lars H., assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill. Pulverized-fuel burner. 1,510,645; Oct. 7.

Berkley, Henry J., Baltimore, Md. Collapsible dispensing tube. 1,510,821; Oct. 7.

Berkowitz, Morris, Brooklyn, assignor to Excellite Fixture Corporation, New York, N. Y. Lighting fixture. Des. 65,723; Oct. 7.

Berkowitz, Morris, Brooklyn, assignor to Excellite Fixture Corporation, New York, N. Y. Lighting-fixture part. Des. 65,724; Oct. 7.

Berndt, Willy, Brooklyn, N. Y. Safety clip. 1,510,822; Oct. 7.

Bertels, W. B., & Son Co. (See Silverman, Samuel M., assignor.)

Berthold, Arthur H. R., assignor to International Dental Manufacturing Company, Chicago, Ill. Valve for dental plates. 1,510,538; Oct. 7.

Betts, Arthur L., Cincinnati, Ohio, assignor to A. Davis, Jr., Covington, Ky. Tank-vehicle safety mechanism. 1,510,582; Oct. 7.

Betts, Benjamin F., San Francisco, Calif. Antitheft device. 1,510,823; Oct. 7.

Bicknell, George M., St. Louis, Mo. Fuel feed for internal-combustion engines. 1,510,453; Oct. 7.

Bidex Products Company. (See Pancoast, William G., assignor.)

Blider, Jacob G., Bromley, Ky. Sink-drain water stop. 1,511,017; Oct. 7.

Blider, Jacob G., Bromley, Ky. Sink-drain stop. 1,511,018; Oct. 7.

Blindschelder, Theodore S., assignor to Burroughs Adding Machine Company, Detroit, Mich. Time switch for adding machines. 1,510,917; Oct. 7.

Bird, Len O., Salt Lake City, Utah. Draft rigging. 1,510,824; Oct. 7.

Blisey, Sunker A., New York, N. Y. Rowing mechanism. 1,510,454; Oct. 7.

Black, Robert J., Kansas City, Kans. Pressure distillation. 1,510,918; Oct. 7.

Blackmore, Lloyd. (See Champlon, A., and Blackmore.)

Blake, Nelson C., South Essex, Mass. Spring wheel. 1,510,579; Oct. 7.

Bland, William E., Berkeley, Calif. Automobile signal. 1,510,974; Oct. 7.

Blank, Bernard H., assignor of one-fourth to J. L. Levy, New York, N. Y. Lining for refuse cans. 1,510,919; Oct. 7.

Blumel, Gustave, assignor to Ferguson Furnace Company, Toledo, Ohio. Burner. 1,511,019; Oct. 7.

Blumberg, Ralph, Baltimore, Md. Emergency apparatus for damaged ships. 1,511,155; Oct. 7.

Blunt, James G., Schenectady, N. Y. Locomotive truck. 1,510,539; Oct. 7.

Bockhorst, Edward, sr., St. Louis, Mo. Carton. 1,511,047; Oct. 7.

Boedicker, Herman C., New York, N. Y. Negative glass and means for holding same. 1,510,646; Oct. 7.

Boettcher, Arthur H., Chicago, Ill. Pilot-directing instrument and bomb-dropping sight for aircraft. 1,510,975; Oct. 7.

Bolgiano, John F., Dayton, Ohio. Transmission mechanism. 1,511,156; Oct. 7.

Bomar, Benjamin P., Clovis, N. Mex. Bathtub mat. 1,510,647; Oct. 7.

Bonnot Company, The. (See Sherban, Daniel V., assignor.)

Borchart, Arthur, Centralla, Wash. Door closer. 1,511,020; Oct. 7.

Borkes, Francis W., assignor to The Chisholm-Moore Manufacturing Company, Cleveland, Ohio. Electric brake. 1,511,022; Oct. 7.

Boring, Charles E., Rockford, Ill. Tractor. 1,511,021; Oct. 7.

Bornmann, Carl, assignor to Anasco Photoproducts, Incorporated, Binghamton, N. Y. Film-spool holder. 1,511,158; Oct. 7.

Bornmann, Carl, Jr., Binghamton, assignor, by mesne assignments, to Anasco Photoproducts, Inc., New York, N. Y. Camera back. 1,511,157; Oct. 7.

Bornmann, Carl A., Jr., assignor to Anasco Photoproducts, Inc., Binghamton, N. Y. Winding key for cameras. 1,511,159; Oct. 7.

Bornmann, Carl A., Jr., assignor to Anasco Photoproducts, Inc., Binghamton, N. Y. Winding key for cameras. 1,511,160; Oct. 7.

Borroughs, Joseph N., Oakland, Calif. Towel rack. 1,510,648; Oct. 7.

Boston Machine Works Company. (See Whelpley, Lloy E., assignor.)

Bousquet, Ralph, Pittsfield, Mass. Transmission-drum band. 1,510,825; Oct. 7.

Boyce, Harrison H., Forest Hills, N. Y. Fire extinguisher. 1,510,649; Oct. 7.

Boyd, Leora R., Los Angeles, Calif. Doll. Des. 65,726; Oct. 7.

Boynton, Alexander, San Antonio, Tex. Washing tool. 1,510,581; Oct. 7.

Brann, Albert, East Orange, N. J., assignor to Westinghouse Lamp Company. Tipless lamp stem. 1,510,540; Oct. 7.

Braxtan, Francis A., Chicago, Ill. Sample holder. 1,510,619; Oct. 7.

Breer, Carl, Summit, N. J. Stop device for stinks. 1,510,826; Oct. 7.

Brigham, Albert H., Whitman, Mass. Nail-making machine. 1,510,827; Oct. 7.

Brinton, Frederick S. (See Mulligan, P. C., Brinton, and Schmitz.)

Brogden, Joab, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Pulley. 1,510,882; Oct. 7.

Brogden Company. (See Ricketts, Homer C., assignor.)

Bronander, Wilhelm B., Montclair, N. J. Roller bearing. 1,510,920; Oct. 7.

Brown, Alexander T., Syracuse, N. Y. Internal-combustion engine. 1,511,023; Oct. 7.

Brown, Alexander T. and C. S., Syracuse, N. Y. Motor agricultural machine. 1,511,024; Oct. 7.

Brown, Charles S. (See Brown, Alexander T. and C. S.)

Brown, Francis H., Glen Olden, Pa. Regulating combustion of fuel. 1,510,758; Oct. 7.

Brown, Walter G., Los Angeles, Calif. Suitcase wardrobe. 1,510,736; Oct. 7.

Brown, William J., Toronto, Ontario, Canada. Dimming reflector. 1,511,102; Oct. 7.

Bruhn, Daniel, Hobart, Ind. Building construction. 1,510,519; Oct. 7.

Brunell, Homer A., et al. (See Burnett, Everett R., assignor.)

Brunswick-Balke-Collender Company, The. (See Thompson, Aksell R., assignor.)

Bryon, George J., Duquesne, Pa. Conveyer hook. 1,510,589; Oct. 7.

Buch, Paul H., and H. M. Groff, Trenton, N. J. Refrigeration. 1,510,759; Oct. 7.

Buchanan, Joseph M., Freeport, N. Y. Making sets of artificial teeth. 1,511,161; Oct. 7.

Bucher, William W., Chicago, Ill., assignor, by mesne assignments, to Kohler Company, Kohler, Wis. Differential-control magnet. 1,510,455; Oct. 7.

Burdick, Charles L., assignor to Chille Exploration Company, New York, N. Y. Electrode. 1,510,541; Oct. 7.

Burger, Frederick W. (See Stockfeth, B., and Burger.)

Burgess, Frederick T., London, England. Piston for fluid-pressure engines. 1,510,760; Oct. 7.

Burgett, Lynn S., Cleveland, Ohio. Apparatus for uniting metals. 1,511,189; Oct. 7.

Burke, James W., Eccles, W. Va. Mine-car coupler. 1,511,103; Oct. 7.

Burman, Olof S., Minneapolis, Minn., assignor to Wolverine Brass Works, Grand Rapids, Mich. Double swinging faucet nozzle. 1,510,761; Oct. 7.

Burnett, Blanche M., Highland Park, Mich. Incense burner. Des. 65,725; Oct. 7.

Burroughs Adding Machine Company. (See Blindschelder, Theodore S., assignor.)

Burroughs Adding Machine Company. (See Morse, John J., assignor.)

Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)

Burrows, William C., Providence, R. I. Valve-spring compressor. 1,510,542; Oct. 7.

Burt Machine Company. (See Wild, Charles H., assignor.)

Burnett, Everett R., Los Angeles, assignor of one-third to H. B. Phillips, Newhall, and one-third to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,510,650; Oct. 7.

Burnett, Everett R., Los Angeles, Calif., assignor of one-half to F. H. Young, Riverhead, Long Island, N. Y., and one-fourth to H. A. Brunell, Los Angeles, Calif. Supercharging internal-combustion-engine valve mechanism. 1,510,651; Oct. 7.

Buackner, Emil A., Milwaukee, Wis. Dump truck. 1,510,762; Oct. 7.

Busch, Hermann, Kiel, Germany. Clothes hanger. 1,510,737; Oct. 7.

Butler, Charles A., Okmulgee, Okla. Cable clamp. 1,510,921; Oct. 7.

Cadienx, Joseph O., Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Mounting for lights. 1,511,190; Oct. 7.

Cadman, Addl B., Beloit, Wis., assignor to Warner Manufacturing Company. Trailer truck. 1,510,543; Oct. 7.

Cadoret, Louis A., Pawtucket, R. I. Combined silk tube and spindle retainer. 1,511,104; Oct. 7.

Cadwalader, Kinsey, Kansas City, Kans. Truck. 1,510,456; Oct. 7.

Cadwell, Sidney M., Leonia, N. J., assignor to The Nautaguck Chemical Company. Vulcanizing rubber and products obtained thereby. 1,510,652; Oct. 7.

Calumet Steel Company. (See Knopke, Raymond C., assignor.)

Camblin, Robert G., Bartlesville, assignor of one-fourth to T. E. Miller, Kaw City, Okla. Headlight-controlling means. 1,511,105; Oct. 7.

Canal, José L., assignor to F. J., and D. J. Torres Gener, Habana, Cuba. Display receptacle. 1,410,763; Oct. 7.

Candee, L., & Company. (See Clements, Eugene E., assignor.)

Capobianco, Michael A., Glen Cove, N. Y. Spark-plug-cleaning device. 1,511,106; Oct. 7.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Protecting films and loading same in cameras. 1,510,738; Oct. 7.

Carbide and Carbon Chemicals Corporation. (See McElroy, Karl P., assignor.)

Caron, Louis G., and T. J. Fuqua, Washington, D. C. Nut. 1,510,492; Oct. 7.

Carr, Frank C., Lockport, N. Y. Dispensing apparatus. 1,510,653; Oct. 7.

Carrie, James, Butler, Pa., assignor to W. D. Sawyer, Milwaukee, Wis. Grinding and polishing shoe. 1,510,976; Oct. 7.

Carvalho, Leslie R. N., Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, Receptacle closure. 1,510,457; Oct. 7.

Carvalho, Leslie R. N., Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, Receptacle closure. 1,510,458; Oct. 7.

Carvalho, Leslie R. N., Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, Receptacle closure. 1,510,459; Oct. 7.

Casement Hardware Co. (See Spencer, Robert C., Jr., assignor.)

Causey, Daniel W., Norfolk, Va. Needle-repointing device. 1,510,764; Oct. 7.

Canthery, Joseph, Manchester, and J. W. Banks, Bradford, England. Water injector. 1,511,048; Oct. 7.

Cavanaugh, Leander J., Swampscott, Mass. Ornamenting and proofing fabrics. 1,510,654; Oct. 7.

Cederquist, Nils, Los Angeles, Calif. Mechanical motion. 1,511,049; Oct. 7.

Chambon, Henri, Paris, France. Cigarette-paper book. 1,511,107; Oct. 7.

Champion, Albert, Flint, and L. Blackmore, Highland Park, assignors to A C Spark Plug Company, Detroit, Mich. Spark plug and making the same. 1,511,199; Oct. 7.

Chapin, Willard C., and J. H. Pettee, Rockland, Me. Radiator for internal-combustion engines. 1,510,828; Oct. 7.

Chapman, Frank D., Berlin, Wis. Continuous cooker. 1,510,544; Oct. 7.

Charles, Henry H., Manor Township, Lancaster County, Pa. Incubator. 1,510,460; Oct. 7.

Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin-releasing device for looms. 1,510,765; Oct. 7.

Chille Exploration Company. (See Burdick, Charles L., assignor.)

Chisholm-Moore Manufacturing Company, The. (See Borkes, Francis W., assignor.)

Christoph, George W., Warehouse Point, Conn. Sand-blasting apparatus. 1,511,025; Oct. 7.

Cincinnati Bickford Tool Company. (See Klausmeyer, David C., assignor.)

Clark, Archie P., Okanagan Center, British Columbia, Canada. Engine cooler. 1,510,766; Oct. 7.

Clark, Cornelius, Lodi, Calif. Subterranean distillation of volatile mineral substances. 1,510,655; Oct. 7.

Clark, George S., Portsmouth, Ohio. Lamp holder for caps. 1,511,108; Oct. 7.

Clark Tractor Company. (See Stockfeth, B., and Burger, assignors.)

Clark, William T., Milwaukee, Wis. Detachable coupling for electric wires. 1,510,977; Oct. 7.

Clarke, Ira M., New Martinsville, W. Va., Ash tray. Des. 65,727; Oct. 7.

Clements, Eugene E., New Haven, Conn., assignor to L. Candee & Company. Strip-cutting attachment. 1,510,656; Oct. 7.

Cleven, Axel, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Adjustable tensioning device. 1,511,026; Oct. 7.

Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)

Cloyes, James H., South Bend, Ind., assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Folding top for vehicles and other structures. 1,510,922; Oct. 7.

Coffin, Helen J., Philadelphia, Pa. Dressmaker's accessory. 1,510,545; Oct. 7.

Cole & Bartlett. (See Cole, Elmer E., assignor.)

Cole, Elmer E., assignor to Cole & Bartlett, Boston, Mass. Crucifix or similar article. Des. 65,728; Oct. 7.

Coleman, William C., Wichita, Kans. Drivehead for centrifugal machines. 1,510,657; Oct. 7.

Collins, Edgar F., and A. N. Otis, Schenectady, N. Y., assignors to General Electric Company. Temperature regulator. 1,511,050; Oct. 7.

Colomb, Henri, Tavaannes, Switzerland. Tinreplece. 1,510,883; Oct. 7.

Columbian Carbon Company. (See Lewis, George C., assignor.)

Cooke, Eva M., Horatio, Ark., assignor of one-half to C. M. Rogers, Dallas, Tex. Wardrobe. 1,510,583; Oct. 7.

Cooke, James, Omaha, Nebr. Label holder. 1,511,028; Oct. 7.

Combustion Engineering Corporation. (See Kreislinger, Henry, assignor.)

Commercial Furniture Company. (See Ellingsen, Adneus, assignor.)

Commons, John J. (See Petersen, E. B., and Commons.)

Conklin, William F., Tarentum, Pa. Detachable bolt. 1,510,978; Oct. 7.

Connecticut Telephone & Electric Company, The. (See Cadieux, Joseph O., assignor.)

Conner, George F., Port Huron, Mich. Thrashing machine. 1,510,658; Oct. 7.

Connolly, Edward J., assignor to C. R. Wilson Body Company, Detroit, Mich. Adjustable door bumper. 1,511,027; Oct. 7.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box front. Des. 65,729; Oct. 7.

Cook, Robert W., assignor to Eastman Kodak Company, Rochester, N. Y. Removing water from nitrocellulose fibers. 1,510,739; Oct. 7.

Cooper, Charles W., Richland Center, Wis. Floor jack. 1,510,979; Oct. 7.

Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Enamel composition. 1,510,829; Oct. 7.

Cordes, Henry, Sioux Falls, S. Dak. Ladder. 1,510,461; Oct. 7.

Cordier, Harry G., assignor to Acme Road Machinery Company, Frankfort, N. Y. Apparatus for handling gravel. 1,510,546; Oct. 7.

Cosby, Edwin H., Derby Line, Vt. Golf-club staff. 1,510,584; Oct. 7.

Cosey, Alexander, Cambridge, N. Y. Artificial bait. 1,510,923; Oct. 7.

Costello, John, assignor of one-half to Osler Manufacturing Company, Providence, R. I. Locket. 1,511,109; Oct. 7.

Costello, Joseph, New York, N. Y. Figure toy. 1,511,110; Oct. 7.

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Cowles, William B., Cleveland Heights, Ohio, assignor to Weldless Chain Corporation, Dover, Del. Die rolling mill for the manufacture of roll forgings. Des. 65,723; Oct. 7.

Coyne, Richard J., et al., trustees. (See Kluefer, Guy L., assignor.)

Crawford, George A. (See Sebenste, Fred A., assignor.)

Cremeau, William F. (See Wine, W. E., and Cremeau.)

Crex Carpet Company. (See Waldo, Algermont H., assignor.)

Crippen, Henry M., Athens, assignor of one-fourth to F. H. Finsterwald and C. A. Finsterwald, Akron, Ohio. Pump. 1,510,830; Oct. 7.

Critchett, James H., Bayside, N. Y., assignor to The Oxweld Railroad Service Company. Composite railway-track member and composition for producing the same. 1,511,111; Oct. 7.

Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)

Crooks-Dittmar Company, The. (See Dittmar, Elmer C., assignor.)

Crowe, John, St. Joseph, Mo., assignor to Lisle Mfr. Co., Clarinda, Iowa. Valve grinder. 1,510,831; Oct. 7.

Cudworth, Royal W., San Francisco, Calif. Animal trap. 1,510,832; Oct. 7.
 Curle, George L., Minneapolis, Minn. Main and auxiliary melting pot for linotype machines. 1,510,859; Oct. 7.
 Curtiss, Joseph E., Port Angeles, Wash. Air-pressure regulator. 1,510,980; Oct. 7.
 Cushing, William F., sr., and T. A. Bailey, Los Angeles, Calif. Hand propelling means for scooters. 1,510,585; Oct. 7.
 Cuthbert, John, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electric fixture. 1,511,908; Oct. 7.
 Dales, William R., New York, N. Y. Tobacco pipe. 1,510,833; Oct. 7.
 Damon, William E., Inglewood, Calif. Water wheel. 1,510,740; Oct. 7.
 Daniels, Ernest S., Washington, D. C., and H. P. Schuck, East Orange, N. J. Parquet flooring and wall paneling. 1,510,924; Oct. 7.
 Danielson, Ernest G., assignor to Gray & Danielson Mfg. Co., San Francisco, Calif. Rotary spark-gap apparatus. 1,510,741; Oct. 7.
 Davis, Augustine, Jr. (See Betts, Arthur L., assignor.)
 Davis, Gilbert G. and M. J., Vancouver, British Columbia, Canada. Log raft. 1,510,767; Oct. 7.
 Davis, Grover W., Oakvale, W. Va. Mail crane. 1,510,834; Oct. 7.
 Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. 1,511,183; Oct. 7.
 Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Shuttle box for looms. 1,511,185; Oct. 7.
 Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,510,981; Oct. 7.
 Davis, Leonard D., Erie, Pa. Machine for forming metal tubes. 1,510,586; Oct. 7.
 Davis, Matthew J. (See Davis, Gilbert G. and M. J.)
 Deacon, Ronald, Harlesden, England. Two-stroke internal-combustion engine. 1,511,112; Oct. 7.
 De Kaiser, Isaac, Wilkinsburg, and A. G. Popcke, Pittsburgh, Pa. Oil-well heater. 1,510,925; Oct. 7.
 De Kaiser, Isaac, Wilkinsburg, and A. G. Popcke, Pittsburgh, Pa. Subterranean-well heater. 1,510,926; Oct. 7.
 Delco-Light Company. (See Kettering, Charles F., assignor.)
 Dell, Jacob B., Altoona, Pa. Hydraulic jack. 1,510,462; Oct. 7.
 Denning, Edward H., Wilmington, Del. Amusement device. 1,510,768; Oct. 7.
 Dennis, Edward D., Plymouth, Wis. Violin bridge. 1,510,982; Oct. 7.
 De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Machine for tampering dry-cell cartridges and the like. 1,510,835; Oct. 7.
 Derman, Harry, Bronx, N. Y. Tie cord for containers. 1,511,029; Oct. 7.
 Dessau, Morland M., London, England. Hot-water bottle and foot warmer. 1,510,927; Oct. 7.
 Detrick, M. H., Company. (See Ellman, Louis, assignor.)
 Devine, William P., Dorchester, assignor of one-half to H. K. Hallkman, Boston, Mass. Tubular article for spectacle frames. 1,510,463; Oct. 7.
 Dickinson, Neville S. (See Lindquist, D. L., Norton, Engle, Dickinson, and Scott.)
 Diegel, John M., Minneapolis, Minn. Electrical circuit transmitter. 1,510,587; Oct. 7.
 Diehl, Ambros N., and S. G. Worton, Duquesne, Pa. Regenerative furnace. 1,510,588; Oct. 7.
 Dill, Matilda J. (See Scott, E. S., Millar, and Fellows, assignors.)
 Dill, Peter R., Cleveland, and J. W. Swartz, Lakewood, assignors to The Bankers Savings & Credit System Company, Cleveland, Ohio. Coin bank. 1,510,660; Oct. 7.
 Dillard, Frank B., Oakland, Calif. Adjustable toilet seat. 1,510,493; Oct. 7.
 Dindinger, Harry C., Moline, Ill. Sheave lock. 1,511,030; Oct. 7.
 Dingedahl, Johannes, Hamburg, Germany. Advertising device. 1,510,464; Oct. 7.
 Dippel, Henry, San Francisco, Calif. Electric egg tester. 1,511,051; Oct. 7.
 Dittmar, Elmer C., assignor to The Crooks-Dittmar Company, Williamsport, Pa. Machine for finishing flooring. 1,510,465; Oct. 7.
 Dittmar, Elmer C., assignor to The Crooks-Dittmar Company, Williamsport, Pa. Machine for finishing flooring. 1,510,466; Oct. 7.
 Dittmar, Elmer C., assignor to The Crooks-Dittmar Company, Williamsport, Pa. Machine for finishing flooring. 1,510,467; Oct. 7.
 Dols, Augustus N., Mount Vernon, N. Y. Punching machine. 1,511,052; Oct. 7.
 Doehler Die-Casting Co. (See Rau, Herman, assignor.)
 Doerner, Firmin H., Cumberland, Md. Message holder. 1,510,769; Oct. 7.
 Doersam, Hugo, New York, N. Y. Safety-guard for machine presses. 1,511,113; Oct. 7.

Dolbear, Samuel H., assignor of one-half to E. L. Oliver, San Francisco, Calif. Concentrating oil shales. 1,510,983; Oct. 7.
 Dorsey, James C., and J. W. Vaughn, Denver, Colo. Folding glare dimmer for automobile windshields. 1,510,984; Oct. 7.
 Doten, Leonard S., Chicago, Ill. Fluid-pressure pump. 1,510,884; Oct. 7.
 Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavating machine. 1,511,114; Oct. 7.
 Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Latch mechanism for dumping scoops. 1,511,115; Oct. 7.
 Doyle, Mason I. (See Schweinsberg, G. W., and Doyle.)
 Draper Corporation. (See Davis, Harry A., assignor.)
 Draper Corporation. (See Snow, Isaac, assignor.)
 Draper Corporation. (See Stafford, Alfred E., assignor.)
 Draper Corporation. (See Stimpson, Edward S., assignor.)
 Draper Corporation. (See Stone, Melvin L., assignor.)
 Dreher, Albert J. (See Wareham, C. E., and Dreher.)
 Du Breuil, Winfield B., Chicago, Ill. Automobile headlight. 1,511,116; Oct. 7.
 Du Breuil, Winfield B., Chicago, Ill. Automobile headlight. 1,511,117; Oct. 7.
 Duchemin, George W., Newark, N. J. Machine for finishing the ends of turned articles. 1,511,053; Oct. 7.
 Duchscherer, George. (See Guenther, George A., assignor.)
 Dugan, Charles O., Jr. (See Dugan, John P. and C. O., Jr.)
 Dugan, John P., Baltimore, Md., and C. O. Dugan, Jr., Philadelphia, Pa., assignors to The Dugan Seal Company, Baltimore, Md. Seal. 1,510,468; Oct. 7.
 Dugan Seal Company, The. (See Dugan, John P. and C. O., Jr., assignors.)
 Duggan, Thomas R., assignor to The Permutit Company, New York, N. Y. Regenerating base exchange silicates. 1,510,469; Oct. 7.
 Dumanols, Emile P., Paris, France. Carbureting apparatus. 1,510,836; Oct. 7.
 Duncan, Frederick, Perth, Western Australia, Australia, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for cutting sheet material. 1,511,054; Oct. 7.
 Dun Lany, Margaret M., administratrix. (See Dun Lany, W. P., and Wood.)
 Dun Lany, William P., deceased, Oak Park, and S. G. Wood, Chicago, Ill.; M. M. Dun Lany, administratrix. Stereoscope. 1,510,470; Oct. 7.
 Dunlap, Samuel H., Ennis, Tex. Round-bale gin compressor. 1,510,885; Oct. 7.
 Dunn, Fred G. (See Parker, T., Lawrence, and Dunn.)
 Duprat, Victor. (See Morellini, P., Duprat, and Elenschmidt.)
 Early, Carl B., et al. (See Wadell, Edward B., assignor.)
 Eastman Kodak Company. (See Baybutt, Richard, assignor.)
 Eastman Kodak Company. (See Capstaff, John G., assignor.)
 Eastman Kodak Company. (See Cook, Robert W., assignor.)
 Eastman Kodak Company. (See Rekera, Gerret, assignor.)
 Eastman Kodak Company. (See Stewart, Donald H., assignor.)
 Eastman Kodak Company. (See Stinchfield, Ray L., assignor.)
 Eastman Kodak Company. (See Tierney, P. W., and Sine, assignors.)
 Eastman Kodak Company. (See Wilcox, Perley S., assignor.)
 Eckhard, William. (See White, J., and Eckhard.)
 Economy Fuse and Manufacturing Company. (See Cuthbert, John, assignor.)
 Edel, Matthew, Haverhill, Iowa. Weeding and cultivating garden hoe. 1,510,770; Oct. 7.
 Elenschmidt, Henri. (See Morellini, P., Duprat, and Elenschmidt.)
 Elevator Supplies Company et al. (See Lindquist, D. L., Norton, Engle, Dickinson, and Scott, assignors.)
 Ellingsen, Anneus, assignor to Commercial Furniture Company, Chicago, Ill. Costumer. 1,510,661; Oct. 7.
 Elliott, Gardner T., Onancock, Va. Safety appliance for railway crossings. 1,510,589; Oct. 7.
 Ellis, George H., St. Paul, Minn. Plaster board and making same. 1,510,662; Oct. 7.
 Ellis, Verne E., New York, N. Y. Window-washing device. 1,511,031; Oct. 7.
 Ellman, Louis, assignor to M. H. Detrick Company, Chicago, Ill. Jet-conveyor construction. 1,510,928; Oct. 7.
 Emde, Louis R., Newark, and A. P. Bamford, Irvington, N. J. Windshield. 1,510,929; Oct. 7.
 Enell, Howard H., East Cleveland, Ohio. Sprinkling device. 1,510,930; Oct. 7.
 Engle, Clarence F. (See Lindquist, D. L., Norton, Engle, Dickinson, and Scott.)
 English, George W., assignor to Roper & Wrecks Limited, Sheffield, England. Lathe, drill, and like machine. 1,510,771; Oct. 7.
 English, Roland E., Mount Ranier, Md. Gas compressor. 1,510,837; Oct. 7.
 Entwistle, James L., Central Falls, R. I. Circuit closer for car doorways. 1,511,055; Oct. 7.

Ercanbrack, John E., Chicago, Ill. Water heater. 1,511,056; Oct. 7.
 Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulation. 1,510,985; Oct. 7.
 Eubank, Thomas H., New Bern, N. C. Stamp or cabinet case. 1,510,772; Oct. 7.
 Excellite Fixture Corporation. (See Berkowitz, Morris, assignor.)
 Faerber, William, Chicago, Ill. Hair-washing appliance. 1,510,471; Oct. 7.
 Fageol, Rollie B., Los Angeles, Calif. Combined bumper and radiator shield. 1,510,986; Oct. 7.
 Fahrenwald, Frank A., Cleveland Heights, Ohio. Shell or cartridge case. 1,510,590; Oct. 7.
 Fall, Edward A., Rutherford, N. J. Placard holder for tank cars. 1,510,671; Oct. 7.
 Fall, Edward A., Rutherford, N. J. Placard holder for tank cars. 1,510,672; Oct. 7.
 Farnsworth, Thomas M., Newark, N. Y. Tile lever. 1,510,773; Oct. 7.
 Farrell, Frederick W., Brookfield, Mass. Adhesive and sealing strip having a coating of the same. 1,510,472; Oct. 7.
 Farrell, Frederick W., assignor, by mesne assignments, to McLaurin-Jones Co., Brookfield, Mass. Adhesive. 1,510,591; Oct. 7.
 Fellows, Walter C. (See Scott, E. S., Millar, and Fellows.)
 Ferguson Furnace Company. (See Bluemel, Gustave, assignor.)
 Ferrari, Alfredo, Spezia, Italy. Gridiron. 1,510,547; Oct. 7.
 Fiduccia, Joseph, sr., New Orleans, La. Hydrocarbon burner. 1,511,118; Oct. 7.
 Finamore, William, London, England. Balance weight for pianoforte keys and the like. 1,510,663; Oct. 7.
 Finsterwald, C. A., et al. (See Crippen, Henry M., assignor.)
 Finsterwald, Fred H., et al. (See Crippen, Henry M., assignor.)
 Firestone Tire and Rubber Company, The. (See Maranville, Harvey F., assignor.)
 Fischer, Hermann, New York, N. Y. Window-cleaning support. 1,510,931; Oct. 7.
 Fisher, Leon W. (See Johnson, W. K., and Fisher.)
 Fisk Rubber Company, The. (See Freeman, Hadley F., assignor.)
 Fisk Rubber Company, The. (See Weiss, H. C., and Mather, assignors.)
 Fleming, Howard W., C. A. Raiser, and O. K. Webb, San Jose, Calif. Camp bed. 1,510,592; Oct. 7.
 Folly Town Company, The. (See Anschell, Sidney C., assignor.)
 Fowler, J. Odell, trustee. (See Herrold, Wallace N., assignor.)
 Fox, Leonard J., Cincinnati, Ohio. Device for securing name plates. 1,510,664; Oct. 7.
 Franco Electric Corporation. (See Barany, Edmund R., assignor.)
 Franz, Joe H. (See Johnson, W. K., and Fisher, assignors.)
 Frazier, Nelson M., Houlton, Ore. Pipe coupling. 1,510,838; Oct. 7.
 Freeman, Hadley F., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanization apparatus. 1,510,987; Oct. 7.
 French, James C., Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company. Multipedal traction device. 1,510,988; Oct. 7.
 Frewen, Edmond J., London, England. Wall. 1,510,473; Oct. 7.
 Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,511,057; Oct. 7.
 Fridley, Harry M., Brooklyn, N. Y. Game. 1,510,939; Oct. 7.
 Frisch, Emile, Chicago, Ill. Waxed wrapping paper and making the same. 1,510,665; Oct. 7.
 Fuller, Claud E., New York, N. Y. Hackling machine. 1,510,886; Oct. 7.
 Fulton, William H., Irvington, N. J., assignor to Titeflex Metal Hose Corporation. Pipe coupling. 1,510,548; Oct. 7.
 Fuqua, Tuckerman J. (See Caron, L. G., and Fuqua.)
 Gail, John F., Evanston, Ill. Tube machine. 1,510,932; Oct. 7.
 Gair, Robert, Company. (See Vieira, Edward, assignor.)
 Gampher, Paul, Chicago, Ill. Scraper for walks. 1,511,073; Oct. 7.
 Ganderton, Thomas, Beaver, Pa., assignor to M. Hussey, Cleveland, Ohio. Automatic control for intake passages. 1,511,162; Oct. 7.
 Garner, Henry and J. P., Birmingham, England. Transparent panel. 1,510,474; Oct. 7.
 Garner, James P. (See Garner, Henry and J. P.)
 Garrecca, Vincenzo, Geneva, Ohio. Swing hook. Des. 65,730; Oct. 7.
 Garrecca, Vincenzo, Geneva, Ohio. Ash tray. Des. 65,731; Oct. 7.
 Gatewood, Rihourne W., Norfolk, Va. Indicating car seal. 1,510,666; Oct. 7.

Ganthier, George F., Big Lake, Wash. Hook. 1,510,774; Oct. 7.
 Geist, Harry C., Waynesboro, Pa. Journal-box for cutters. 1,510,840; Oct. 7.
 Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Pyrazolone dye. 1,511,074; Oct. 7.
 General Electric Company. (See Collins, E. F., and Otis, assignors.)
 General Electric Company. (See Hall, Chester L., assignor.)
 General Electric Company. (See Priest, Edward D., assignor.)
 General Motors Corporation. (See Jerome, Benjamin, assignor.)
 General Motors Research Corporation. (See Short, Charles R., assignor.)
 General Railway Signal Company. (See Howe, Winthrop K., assignor.)
 George, Ross F., Seattle, Wash. Safety hook. 1,510,933; Oct. 7.
 Geraghty, John P., Jersey City, N. J. Automobile lock. 1,511,119; Oct. 7.
 Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
 Gilchrist, John P., Osceola, Iowa. Clock case. Des. 65,732; Oct. 7.
 Giles, Donald M. (See Giles, John H. and D. M.)
 Giles, John H. and D. M., Philadelphia, Pa. Drive mechanism for dyeing machines. 1,510,667; Oct. 7.
 Gillespie, Frank A., C. Meyer, and H. B. Meade, Los Angeles, Calif.; said Meyer and said Meade assignors to said Gillespie. Rotary pump. 1,510,744; Oct. 7.
 Gillig, Chester. (See Gillig, Leo and C.)
 Gillig, Leo and C., San Francisco, Calif. Sliding window for automobile tops. 1,510,668; Oct. 7.
 Glynn, John J., East Savannah, Ga. Soft-center ingot. 1,510,887; Oct. 7.
 Goeriz, Oscar C., New York, N. Y. Hydraulic turbine runner. 1,511,032; Oct. 7.
 Goldbach, Fritz, Dead Moose Lake, Saskatchewan, Canada. Game of skill. 1,510,775; Oct. 7.
 Golding, Edwin L., New York, N. Y. Textile fabric or similar article. Des. 65,733; Oct. 7.
 Golding, Edwin L., New York, N. Y. Textile fabric or similar article. Des. 65,734; Oct. 7.
 Goodwin, John E., Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc. of America, New York, N. Y. Plate or similar article. Des. 65,735; Oct. 7.
 Gorman, John. (See Schneider, E., and Gorman.)
 Gouldbourn, Joseph. (See Jerram, A. E., and Gouldbourn.)
 Government of the United States. (See Macfarlane, S. B., and Barry, assignors.)
 Grant, Frank, Westfield, Mass. Soap-stick holder. 1,510,934; Oct. 7.
 Gravenberg, Albert J., Savannah, Ga. Centrifugal. 1,510,776; Oct. 7.
 Gray & Danielson Mfg. Co. (See Danielson, Ernest G., assignor.)
 Gray Telephone Pay Station Company. (See Long, George A., assignor.)
 Green, Ellis, Mineral Wells, Tex., assignor of three-fourths to The Tulsa Tool Company, Tulsa, Okla., and one-fourth to W. J. Novak, Breckenridge, Tex. Forge and bit heater. 1,511,120; Oct. 7.
 Grey, George E., et al. (See Balsden, Edward J., assignor.)
 Griffin, Agnes H., New York, N. Y. Wrist lock. 1,511,121; Oct. 7.
 Grob, William C. (See Holstein, C. W., and Grob.)
 Groff, Howard M. (See Buch, P. H., and Groff.)
 Grohens, Albert P., assignor to Lambert Machine Company, Marshall, Mich. Coffee roaster. 1,510,989; Oct. 7.
 Groman, Benjamin, New York, N. Y. Textile fabric. Des. 65,736; Oct. 7.
 Groman, Benjamin, New York, N. Y. Textile fabric. Des. 65,737; Oct. 7.
 Gschwind, Leon, Youngstown, Ohio. Catch basin. 1,510,935; Oct. 7.
 Guenther, George A., assignor of one-half to G. Duchscherer, Buffalo, N. Y. Heating apparatus. 1,510,475; Oct. 7.
 Gurley, Frank, High Point, N. C. Customer's turn indicator for barber shops and the like. 1,510,494; Oct. 7.
 Gurley, Fredred G., Newport, Ky. Combination tool. 1,510,495; Oct. 7.
 Gustafson, Carl A., assignor to Russell Grader Manufacturing Co., Minneapolis, Minn. Road-maintenance machine. 1,511,033; Oct. 7.
 Gutleben Brothers. (See Gutleben, Christian T., assignor.)
 Gutleben, Christian T., Oakland, assignor to Gutleben Brothers, San Francisco, Calif. Sand and gravel screen. 1,510,742; Oct. 7.
 Gutmann, John, Jr., Ridgewood, N. Y. Jacking apparatus. 1,511,122; Oct. 7.
 Habenicht, August F., Tinley Park, Ill. Controlling apparatus for air-pressure systems for pumps. 1,511,034; Oct. 7.
 Haemker, Herman G., N. F. Mersch, Palatine, Ill., and H. E. Mersch, Pasadena, Calif. Bottle-feeding apparatus. 1,510,936; Oct. 7.
 Hallkman, Harris K. (See Devine, William P., assignor.)

Hall, Chester L., Fort Wayne, Ind., assignor to General Electric Company. Current limiter. 1,511,073; Oct. 7.
Hall-Neal Furnace Company. (See Neal, Harry W., assignor.)
Hall, Samuel N., (See Wintroath, J. A., Hall, and Layne.)
Hall, W. F., Printing Co. (See Schultz, Herman J., assignor.)
Halliday, Alonzo L., Oil Center, Calif. Perforation cleaner for oil-well casings. 1,510,689; Oct. 7.
Halter, Hermann, Munich, Germany. Bedding railway sleepers without tamping. 1,511,035; Oct. 7.
Hammond, Fred C., Charlestown, N. H., assignor of one-half to W. W. Slack, Springfield, Vt. Tone-amplifying apparatus for musical instruments. 1,510,476; Oct. 7.
Hancock, Harry H., Swampscott, assignor to H. A. Sawyer, Lynn, Mass. Printer's quoin. 1,510,670; Oct. 7.
Hamey, James B., Philadelphia, Pa. Shoe heel. 1,510,841; Oct. 7.
Hanson, Christian. (See Ambie, Elmer L., assignor.)
Hanson, Joseph C., Merville, Iowa. Jack for concrete forms. 1,510,743; Oct. 7.
Hardman, Tilden H., Commerce, Ga. Plowbeam. 1,510,477; Oct. 7.
Harkins, Edward L., Shirley, Mass. Holder for postage stamps. 1,510,549; Oct. 7.
Harley-Davidson Motor Co. (See Harley, W. S., and Ziska, Jr., assignors.)
Harley, William S., and A. Ziska, Jr., assignors to Harley-Davidson Motor Co., Milwaukee, Wis. Motor cycle. 1,510,937; Oct. 7.
Harlow, Lellamae, Fort Worth, Tex. Ice-cream cone. Des. 65,738; Oct. 7.
Harms, George, and R. C. Walker, Peoria, Ill. Sectional furnace casing. 1,510,673; Oct. 7.
Harris, Arthur J., Paterson, N. J. Let-off means for looms. 1,511,076; Oct. 7.
Harrold, Harvey J., Columbiana, Ohio. Screw driver. 1,510,593; Oct. 7.
Harrub, James M., and H. N. Tyson, Honolulu, Hawaii; said Tyson assignor to said Harrub. Valve-cage remover. 1,510,777; Oct. 7.
Hart, Charles F., Bottineau, N. Dak. Weasel trap. 1,511,123; Oct. 7.
Hart, Frank W., New York, N. Y. Educational appliance. 1,511,124; Oct. 7.
Hart, Norton W., Warrenton, Ga. Fluid-dispensing machine. 1,510,842; Oct. 7.
Hart, Roy R., Tulare, Calif. Piston. 1,510,778; Oct. 7.
Hartman, John H., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy circus wagon. Des. 65,739; Oct. 7.
Hartman, John H., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy circus wagon. Des. 65,740; Oct. 7.
Hartman, John H., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy circus wagon. Des. 65,741; Oct. 7.
Havens, Frederick C., Niagara Falls, N. Y. Curtain retainer. 1,511,125; Oct. 7.
Hawkins, Wilford J., New York, N. Y. Fire extinguisher. 1,510,843; Oct. 7.
Hayes, Robert D., assignor to Index Visible, Incorporated, New Haven, Conn. Index or file. 1,510,844; Oct. 7.
Haywood, John W., New York, N. Y., assignor to Horne Electric & Manufacturing Company, Jersey City, N. J. Running-light system and board. 1,510,845; Oct. 7.
Healy, Flora A., Wallingford, Conn. Heated windshield. 1,510,938; Oct. 7.
Heid, Hans, Berlin-Studende, assignor to Norddeutsche Kuehlerfabrik A.-G., Berlin-Tempelhof, Germany. Fuel-feeding system for carburetors. 1,511,163; Oct. 7.
Heil, William H., Paterson, N. J. Transmission-band lining. 1,511,126; Oct. 7.
Hellberg, Harold, Somerville, Mass. Wax-seal press. 1,510,594; Oct. 7.
Heller, L., and Son, Inc. (See Heller, Samuel, assignor.)
Heller, Samuel, assignor to L. Heller & Son, Inc., New York, N. Y. Jewelry box. Des. 65,742; Oct. 7.
Hemby, George W., Greenville, N. C. Coffin lid. 1,511,036; Oct. 7.
Henderson, Henri H., Stockton, Calif. Air-lift and air-driven rotary pump. 1,510,990; Oct. 7.
Hentschke, Paul, New York, N. Y. Internal-combustion engine. 1,510,620; Oct. 7.
Hermann, Charles, Binghamton, N. Y. Radio coupler construction. 1,511,127; Oct. 7.
Herrick, Gerardus P., New York, N. Y. Tool for applying and tensioning wire about glass or lenses. 1,510,674; Oct. 7.
Herrmann, Richard, Berlin, Germany, assignor, by mesne assignments, to American Cellulose Company Incorporated, New York, N. Y. Production of pressed masses, molded articles, and the like from compounds of cellulose with an organic substance. 1,510,779; Oct. 7.
Herrold, Wallace N., Richmond Hill, assignor to J. O. Fowler, trustee, New York, N. Y. Luggage carrier. 1,510,478; Oct. 7.
Hervey, Ben E., Wilmington, Calif. Toy vehicle. 1,510,888; Oct. 7.
Hey, George, St. Margaret's-on-Thames, and F. G. Matrayers, Luton, England. Multiple drilling machine. 1,511,164; Oct. 7.

Hill, A. E., Manufacturing Co. (See Walker, Robert L., assignor.)
Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Gear and Dynamometer Company. Gear cutter. 1,511,077; Oct. 7.
Hodgson, Harriette E., New York, N. Y. Life-saving device. 1,510,595; Oct. 7.
Hoe, R., and Co. (See White, J., and Eckhard, assignors.)
Hoesly, Henry G. (See Rieder, J. J., and Hoesly.)
Hofmann, Stephen, Brooklyn, N. Y. Faucet washer and attaching means. 1,510,846; Oct. 7.
Holdsworth, Willie, Providence, R. I. Faller cam for gill-drawing frames. 1,510,550; Oct. 7.
Holler, Homer D., Leonia, N. J. Christmas-tree lighting. 1,510,847; Oct. 7.
Hollnagel, Herbert P., Brookline, Mass. Electrical measurement. 1,510,780; Oct. 7.
Holstein, Charles W., and W. C. Grob, assignors to G. B. Storer, Jr., Toledo, Ohio. Automobile window lifter. 1,510,551; Oct. 7.
Holt, Claude G., St. Johns Station, Mo. Mixing valve. 1,510,991; Oct. 7.
Holwager, Emma, Madison, Ind. Direction indicator for motor vehicles. 1,510,781; Oct. 7.
Hooker, Duncan C., Farmington, Conn. Manufacture of gears and apparatus therefor. 1,510,889; Oct. 7.
Hoover, Thomas A., Fresno, Calif., assignor to American Chain Company, Incorporated, Bridgeport, Conn. Automobile bumper bracket. 1,510,992; Oct. 7.
Horlick's Malted Milk Company. (See Arey, Fred C., assignor.)
Hornbostel, Ernest A., Des Moines, Iowa. Attachment for gas stoves. 1,511,078; Oct. 7.
Horne Electric & Manufacturing Company. (See Haywood, John W., assignor.)
Hosking, Robert, Jr., Berkeley, Va. Pan lifter. 1,511,128; Oct. 7.
House, Henry A., Bridgeport, Conn. Link belting. 1,511,037; Oct. 7.
Houser, William, Oberlin, Kans. Closing and locking mechanism for fence gates. 1,510,993; Oct. 7.
Hoven, George T., assignor of one-fourth to G. Price, Royceville, Wis., and one-fourth to G. A. Hoven, Zumbata, Minn. Hay loader. 1,510,479; Oct. 7.
Hoven, Gustave A., et al. (See Hoven, George T., assignor.)
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system. 1,510,496; Oct. 7.
Howell, Grace B. (See Ballard, Grace.)
Hubbard, Arthur G., Wheeling, W. Va. Holder for collapsible tubes. 1,510,848; Oct. 7.
Hubbard, Milton J., assignor to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Labeling machine. 1,510,552; Oct. 7.
Hubley Manufacturing Co., The. (See Hartman, John H., assignor.)
Huestis, Thomas B., Bristol, R. I., assignor to National India Rubber Company. Feed device. 1,510,675; Oct. 7.
Hunt, Horace S., Jackson, Mich. Roadway. 1,510,849; Oct. 7.
Hunter, Frederick, Boston, Mass. Shoe for preventing and relieving flattened arches. 1,510,890; Oct. 7.
Hurdman, Leonard J., assignor of one-half to L. L. Ovenshire, Detroit, Mich. Refuse or water receptacle. Des. 65,743; Oct. 7.
Hurst, James, San Francisco, Calif. Carburetor. 1,510,939; Oct. 7.
Hussey, Martin. (See Ganderton, Thomas, assignor.)
Husser, William F., assignor to Waterville Iron Works, Waterville, Me. Paper-pulp shredder. 1,510,782; Oct. 7.
Huth, Christian, Philadelphia, Pa. Candy machine. 1,510,940; Oct. 7.
Ideal Braiding Machine Company. (See King, John P., assignor.)
Ilex Optical Company. (See Klein, Rudolph, assignor.)
Inco, Francis S., Los Angeles, Calif. Concealable folding bed. 1,511,079; Oct. 7.
Index Visible, Incorporated. (See Hayes, Robert D., assignor.)
Ingie, Arthur H. (See Ward, Wallace E., assignor.)
International Dental Manufacturing Company. (See Berthold, Arthur H. R., assignor.)
International Filter Co. (See Stein, Milton F., assignor.)
International Clear Machinery Company. (See Rundell, Ruper E., assignor.)
Jacobs, Raymond P., and S. M. Winarski, Stevens Point, Wis. Motorist's goggles. 1,510,850; Oct. 7.
Jaeger, William H., assignor to Trenton Patent Manufacturing Co., Trenton, N. J. Grinder head. 1,511,165; Oct. 7.
Jedel, Aaron, New York, N. Y. Loose-leaf holder. 1,510,621; Oct. 7.
Jelenko, J. F., and Co. (See Aderer, Hugo, assignor.)
Jenkins, Frederick A. E., Sydney, New South Wales, Australia. Resilient composition for mounting tympana or diaphragms for sound reproduction. 1,511,166; Oct. 7.
Jerome, Benjamin, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Individual crank-pin-oiling system. 1,511,200; Oct. 7.

Jerram, Arthur E., and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,510,851; Oct. 7.
Jesnig, C., Manufacturing Co. (See Jesnig, Charles, assignor.)
Jesnig, Charles, assignor to C. Jesnig Manufacturing Co., Philadelphia, Pa. Flexible holder for pencils, erasers, and the like. 1,511,167; Oct. 7.
Joss, Fred, Davenport, Iowa. Direction indicator. 1,511,168; Oct. 7.
John-Manville, Incorporated. (See Walsh, Joseph H., assignor.)
Johnson, Carl L., Atwater, Minn. Arm guard. 1,510,783; Oct. 7.
Johnson, Charles, Groton, assignor of one-half to C. H. Stears, Auburn, N. Y. Pressure gauge. 1,510,784; Oct. 7.
Johnson, Chester F., Detroit, Mich. Carburetor. 1,510,520; Oct. 7.
Johnson, Edgar D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeater circuits. 1,510,676; Oct. 7.
Johnson, Jacob T., Atlanta, Ga. Combination faucet. 1,511,080; Oct. 7.
Johnson, Jacob T., Atlanta, Ga. Combination faucet. 1,511,081; Oct. 7.
Johnson, John A., Minneapolis, Minn. Mail box. 1,511,169; Oct. 7.
Johnson, William K., and L. W. Fisher, East Las Vegas, N. Mex.; said Johnson assignor of his entire right to J. H. Franz, Los Angeles, Calif. Art needle. 1,511,170; Oct. 7.
Johnston, Floyd, Lanesboro, Iowa. Self-starter. 1,511,082; Oct. 7.
Jones & Laughlin Steel Corporation. (See Naugle, H. M., and Townsend, assignors.)
Jones & Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
Jones, Ivor W., Birmingham, Ala. Merry-go-round. 1,510,941; Oct. 7.
Jory, William E., Martinez, Calif. Internal-combustion engine. 1,510,677; Oct. 7.
Jory, William E., Martinez, Calif. Automobile headlight. 1,510,678; Oct. 7.
Joseph, Irwin S., Rahway, N. J. Making cyanides. 1,510,891; Oct. 7.
Judy, Joseph E., McKeesport, Pa. Drilling machine for tapping out the hot metal of furnaces and cupolas. Re15,928; Oct. 7.
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Germany. System for controlling at a distance guns or other apparatus. 1,510,553; Oct. 7.
Kamly, Key, and T. H. Wakino, Los Angeles, Calif. Composition of matter for the treatment of pyorrhea. 1,510,785; Oct. 7.
Katzprowsky, Samson, New York, N. Y. Preserving fruit. 1,510,679; Oct. 7.
Keegan, Francis W. (See Pokorny, Frank, assignor.)
Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Roofing device. 1,510,497; Oct. 7.
Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
Kennedy, Benjamin H. (See Kennedy, Dewey M., assignor.)
Kennedy, Dewey M., assignor, by mesne assignments, to himself and B. H. Kennedy, Rochester, N. Y. Bath cabinet. 1,510,596; Oct. 7.
Kerr, Howard J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air-cooled wall. 1,510,680; Oct. 7.
Ketterling, Charles F., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Internal-combustion engine. 1,511,201; Oct. 7.
Keuffel & Esser Company. (See Keuffel, Willie L. E., assignor.)
Keuffel, Willie L. E., Weehawken Township, Hudson County, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J. Tape reel. 1,510,832; Oct. 7.
Keystone Driller Company. (See Downie, Robert R., assignor.)
Keystone Steel & Wire Company. (See Sommer, William H., assignor.)
Kjelsberg, Olaf, Winterthur, Switzerland. Resilient gear wheel. 1,510,943; Oct. 7.
Kiesling, Le Roy H., Brooklyn, N. Y. Dumb-walter. 1,511,171; Oct. 7.
King, John P., Providence, R. I., assignor to Ideal Braiding Machine Company. Driving mechanism for braiding machines. 1,510,480; Oct. 7.
King, Leroy J. (See King, Sylvester L. and L. J.)
King, Sylvester L. and L. J., St. Paul, Minn. Mail-bag-delivering device for railway cars. 1,510,681; Oct. 7.
Kinnard, Edward H., assignor to Universal Postal Frankers Limited, London, England. Indicating and registering device applicable to postal franking machines. 1,510,622; Oct. 7.
Kinzler, Edward E., assignor of one-half to R. Raws-thorne, Jr., Pittsburgh, Pa. Camera-extension indicator. 1,510,942; Oct. 7.
Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Hickford Tool Company, Oakley, Cincinnati, Ohio. Friction reverser. 1,510,623; Oct. 7.

Klein, Rudolph, assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter. 1,510,597; Oct. 7.
Klepach, John, Cedar Rapids, Iowa. Gravel cleaner. 1,510,682; Oct. 7.
Klepach, John, Cedar Rapids, Iowa. Gravel cleaner. 1,510,683; Oct. 7.
Klepach, John, Cedar Rapids, Iowa. Gravel cleaner. 1,510,684; Oct. 7.
Kloneck, August J., New York, N. Y. Electrical power transmission by radiation. 1,510,624; Oct. 7.
Klore, W. W., et al., trustees. (See Kluefer, Guy L., assignor.)
Kluefer, Guy L., assignor to R. J. Coyne, W. M. Rettig, W. W. Klore, and N. R. Barr, trustees for Multi-X Aircraft & Motors Company, Chicago, Ill. Piston rod. 1,510,685; Oct. 7.
Knopke, Raymond C., Glenellyn, assignor to Calumet Steel Company, Chicago, Ill. Fence-wire fastener. 1,510,686; Oct. 7.
Knutason, Roger L. (See Allen, Edgar C., assignor.)
Kobayashi, Kotaro, Tokyo, Japan. Clutch. 1,510,892; Oct. 7.
Koeppen, Martin M. (See Pooch, W. H., and Koeppen.)
Koester, Edwin R., Erie, Pa. Adding machine. 1,510,481; Oct. 7.
Kohler Company. (See Bucher, William W., assignor.)
Koppelman, Morris. (See Mann, L., and Koppelman.)
Koppers Company, The. (See Munster, Julius K., assignor.)
Kraft, Henry P., Ridgewood, N. J. Valve cap. 1,510,687; Oct. 7.
Kramer, Homer D., Pittsburgh, Pa. Sweatband for hats. 1,510,482; Oct. 7.
Kreisinger, Henry, Pittsburgh, Pa., assignor to Combustion Engineering Corporation. Pulverized-fuel-burning furnace. 1,510,994; Oct. 7.
Kruse, Johann S., London, England. Apparatus for use in games. 1,510,626; Oct. 7.
Kuhn, Charles, Brooklyn, N. Y., assignor to The Manhattan Rubber Mfg. Company, Shoe sole. Des. 65,744; Oct. 7.
Lacroix, Emile, Holyoke, and E. A. Loomis, South Hadley Falls, Mass. Toe plate for running boards. Des. 65,745; Oct. 7.
Lacroix, Emile, Holyoke, and E. A. Loomis, South Hadley Falls, Mass. Toe plate for running boards. Des. 65,746; Oct. 7.
Lacroix, Emile, Holyoke, and E. A. Loomis, South Hadley Falls, Mass. Toe plate for running boards. Des. 65,747; Oct. 7.
Lacroix, Emile, Holyoke, and E. A. Loomis, South Hadley Falls, Mass. Toe plate for running boards. Des. 65,748; Oct. 7.
La Fon, Alphonse, Sewaren, N. J. Power plant. 1,510,688; Oct. 7.
Lamb, Arthur B., trustee. (See Larson, Alfred T., assignor.)
Lambert Machine Company. (See Grohens, Albert P., assignor.)
Lang, Frederick W., Minneapolis, Minn. Joint protector for sewer pipes. 1,510,483; Oct. 7.
Lanston Monotype Machine Company. (See Pierpont, F. H., and Tipton, assignors.)
Lanston Monotype Machine Company. (See Pierpont, Frank H., assignor.)
Lantieri, Gabriel, Jersey City, N. J. Hair-waving tube. 1,511,207; Oct. 7.
Larsen, Alfred T., Washington, D. C., assignor to A. B. Lamb, trustee, Cambridge, Mass. Catalyst and producing the same. 1,510,598; Oct. 7.
Lassen, Alma M., New York, N. Y. Lingerie clasp. 1,510,944; Oct. 7.
Latz, Harry, Mount Arlington, N. J. Game marker. 1,510,853; Oct. 7.
Lauterbach, Johann, Bremen, Germany. Penholder for writing advertisements. 1,510,627; Oct. 7.
Lawrence, James C. (See Parker, T., Lawrence, and Dunn.)
Lawrence, Paul A., Grand Island, Nebr. Reverse gear for constant-pressure internal-combustion engines. 1,511,208; Oct. 7.
Layne, Mablon E. (See Wintroath, J. A., Hall, and Layne.)
Leclair, Joseph R., Wyandotte, Mich. Automobile attachment. 1,510,786; Oct. 7.
Lee, John J., Brooklyn, assignor to Behrend & Rothschild, New York, N. Y. Elastic doll. 1,510,554; Oct. 7.
Le Gendre, William, Cincinnati, Ohio. Friction clutch. 1,510,498; Oct. 7.
Leon, Lewicki J., Chicago, Ill. Birdcage. 1,511,058; Oct. 7.
Leslie, Hudson, Eureka, Calif. Oil-well cap. 1,511,205; Oct. 7.
Leslie, John W., Evanston, Ill. Method of and apparatus for strapping boxes. 1,510,484; Oct. 7.
Letart, Henry P., Waterbury, Conn. Drifting valve. 1,510,787; Oct. 7.
Letch, Frederick W., Baltimore, Md. Casting and trimming mechanism for typographic machines. 1,510,788; Oct. 7.
Levandofsky, John, Buchtel, Ohio. Electric-wire cleat. 1,510,789; Oct. 7.
Levy, Joseph L. (See Blank, Bernard H., assignor.)

ALPHABETICAL LIST OF PATENTEES.

Lewis, Earle B., Waterbury, Conn. Radio receiving system. 1,510,945; Oct. 7.
 Lewis, Edward D., Elmira, N. Y. Water-cooled liquid-fuel feeder for stoves. 1,510,854; Oct. 7.
 Lewis, George C., New Dorp, N. Y., assignor to Columbian Carbon Company, Williamsport, Pa. Production of carbon black. 1,510,485; Oct. 7.
 Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,510,486; Oct. 7.
 Lewis, William Y. (See Atkins, B. R., and Lewis.)
 Libby, Albion D. T., East Orange, assignor to Splittdorf Electrical Company, Newark, N. J. Magneto distributor and bearing therefor. 1,510,946; Oct. 7.
 Liddell, Charles H., Raymond, Wash. Attachment for tilting and revolving headlights. 1,510,947; Oct. 7.
 Lindquist, David L., Hartsdale, N. Y., C. Norton, Orange, C. F. Engle, Montclair, N. S. Dickinson, Glen Ridge, and R. W. Scott, Montclair, N. J., assignors to Elevator Supplies Company, Inc., and Otis Elevator Company. Means for operating elevators and gates. 1,511,083; Oct. 7.
 Linendoll, Asa E., Norwalk, Ohio. Motor-exhaust heater. 1,511,084; Oct. 7.
 Lippert, Aloysius C., Kenosha, Wis., assignor of one-half to C. A. Norton, Chicago, Ill. Radiator cap for automobiles. Des. 65,749; Oct. 7.
 Lisle Mfg. Co. (See Crowe, John, assignor.)
 Ljungström, Fredrik, Hrevik, Lidington, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Toothed gearing. 1,510,895; Oct. 7.
 Lloyd, Gerrit J., et al. (See Baisden, Edward J., assignor.)
 Locke, Fred M., Victor, N. Y. Glass. 1,510,521; Oct. 7.
 Lockyer, Robert H., assignor of one-half to E. F. Walt, San Francisco, Calif. Amusement device. 1,510,905; Oct. 7.
 Long, George A., assignor to Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay station. 1,510,893; Oct. 7.
 Loomis, Edwin A. (See Lacroix, E., and Loomis.)
 Lovelace, Rufus M., Crowder, Okla. Anticreep rail plate. 1,510,894; Oct. 7.
 Lovell Manufacturing Company. (See Walker, Byron A., assignor.)
 Lundmark, Paul H., Chicago, Ill. Christmas-tree holder. Des. 65,750; Oct. 7.
 Lupton's, David, Sons Company. (See Brogren, Joah, assignor.)
 Macfarlane, Scott B., and L. J. Barry, Middletown, R. I., assignors to the Government of the United States. Torpedo. 1,510,487; Oct. 7.
 MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. Rel. 5,929; Oct. 7.
 Madsen, Frank H., Sydney, New South Wales, Australia. Multiple-way selector switch. 1,510,488; Oct. 7.
 Mallmanek, Joseph B., Troy, S. Dak. Window-sliding device. 1,511,088; Oct. 7.
 Mallory, Charles E., Waukau, Wis. Automatic calling device. 1,511,089; Oct. 7.
 Maloney, Peter J., and W. E., Worcester, Mass. Safety release for wringers. 1,510,997; Oct. 7.
 Maloney, William E. (See Maloney, Peter J., and W. E.)
 Mandallan, Sabatell G., North Attleboro, Mass. Ornamental plate for a bag frame. Des. 65,751; Oct. 7.
 Mandallan, Sabatell G., North Attleboro, Mass. Ornamental plate for a bag frame. Des. 65,752; Oct. 7.
 Mandler, Erwin H., Chicago, Ill. Pairing attachment for knives. 1,511,131; Oct. 7.
 Manhattan Rubber Mfg. Company. (See Kuhn, Charles, assignor.)
 Manifold, Richard G., assignor of one-half to C. O. Poole, Riverside, Calif. Current meter. 1,510,689; Oct. 7.
 Mann, Leon, Mount Vernon, and M. Koppelman, Brooklyn, N. Y. Packing for eggs and other fragile articles. 1,510,625; Oct. 7.
 Maranville, Harvey F., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method of and apparatus for coating and drying tire-bead rings. 1,511,069; Oct. 7.
 Marker, Henry H., Cleveland, Ohio. Driving and steering mechanism for vehicle wheels. 1,510,690; Oct. 7.
 Markham, Charles M., Milwaukee, Wis. Round-column clamp. 1,510,950; Oct. 7.
 Marks, Myer M., Chicago, Ill. Lighting fixture. 1,510,489; Oct. 7.
 Marsden, Mark W., Philadelphia, Pa. Making fibrous pulp from low-cost vegetable matter. 1,510,855; Oct. 7.
 Marsh, Lucien A., Mill Valley, Calif. Game board. 1,510,998; Oct. 7.
 Marston, Charles F., Brooklyn, N. Y. Selective controlling mechanism. 1,511,132; Oct. 7.
 Martel, Leroy J., Pawtucket, R. I. Muffler for internal-combustion engines. 1,510,791; Oct. 7.
 Martinez, Gabriel, Granada, Nicaragua. Match box. 1,510,599; Oct. 7.
 Mas, George N., Lynchburg, Va. Bottle. Des. 65,753; Oct. 7.
 Mas, George N., Lynchburg, Va. Bottle. Des. 65,754; Oct. 7.
 Mas, George N., Lynchburg, Va. Bottle. Des. 65,755; Oct. 7.

Mather, George L. (See Weiss, H. C., and Mather.)
 Matheson, Thorvald H., Casper, Wyo. Spring wheel. 1,511,133; Oct. 7.
 Matravens, Frederick G. (See Hey, G., and Matravens.)
 McArthur, John, Detroit, Mich. Vehicle body. 1,511,172; Oct. 7.
 McCarty, William, Haskell, Okla. Spring pitman. 1,511,173; Oct. 7.
 McConnell-Browning Engineering Company, The. (See McConnell, Harry R., assignor.)
 McConnell, Harry R., assignor to The McConnell-Browning Engineering Company, Richmond, Va. Chuck. 1,510,896; Oct. 7.
 McCormick, Edmond L., Manhattan, Kans. Direction signal. 1,510,629; Oct. 7.
 McCormick, Jennie R., Wichita, Kans. Fur-cleaning process. 1,510,948; Oct. 7.
 McCullough, Edgar G., Winston-Salem, N. C. Flue shutter. 1,510,906; Oct. 7.
 McDicken, Alexander, assignor of one-third to A. McKenzie, Royalton, Ill. Railway fastener. 1,510,602; Oct. 7.
 McElroy, Karl P., Washington, D. C., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation. Manufacture of chlorhydrins. 1,510,790; Oct. 7.
 McIntyre, Robert, North Bergen, N. J. Safety guard for the rear wheels of vehicles. 1,511,085; Oct. 7.
 McIntyre, Robert, North Bergen, N. J. Safety guard for the fronts of vehicles. 1,511,086; Oct. 7.
 McKenna, John G., Madison, Wis. Concrete mold. 1,511,087; Oct. 7.
 McKenzie, Alexander. (See McDicken, Alexander, assignor.)
 McKinnon, Dougal T., Norfolk, Nebr. Game. 1,510,940; Oct. 7.
 McKnight, Janie A., Lincoln, N. C. Adjustable bandage. 1,511,129; Oct. 7.
 McLaurin-Jones Co. (See Farrell, Frederick W., assignor.)
 McNeill, William K., Hamlet, N. C. Wheel retainer. 1,511,130; Oct. 7.
 Meade, Henry B. (See Gillespie, F. A., Meyer, and Meade.)
 Medusa Cement Paint Company, The. (See Newberry, Spencer B., assignor.)
 Merritt, Ernest, Ithaca, N. Y. Method of and means for determining phase difference. 1,510,792; Oct. 7.
 Mersch, Henry E. (See Haemker, H. G., and Mersch.)
 Mersch, Nicholas F. (See Haemker, H. G., and Mersch.)
 Metcalfe, James C. (See Metcalfe, Richard D., and J. C.)
 Metcalfe, Richard D., and J. C., Romley, England. Exhaust-steam injector. 1,510,909; Oct. 7.
 Mewes, Rudolf, Berlin, Germany. Apparatus for liquefying and separating gas mixtures. 1,510,793; Oct. 7.
 Meyer, Charles. (See Gillespie, F. A., Meyer, and Meade.)
 Meyer, Martin, Sheffield, Iowa. Rope-making machine. 1,510,691; Oct. 7.
 Melke, August R., Melvin, Ill. Fastener for antiskid chains and other articles. 1,510,692; Oct. 7.
 Millar, Robert A. (See Scott, E. S., Millar, and Fellows.)
 Miller, Fred, Green Bay, Wis. Loading machine. 1,511,060; Oct. 7.
 Miller, John H., Pineville, Ky. Car-operated mine door. 1,510,600; Oct. 7.
 Miller, Tullie E. (See Camblin, Robert G., assignor.)
 Montgomery, Alonzo B., Lakewood, Ohio. Briquette and making same. 1,510,745; Oct. 7.
 Moore, Walter J., New York, N. Y. Safety fender. 1,511,038; Oct. 7.
 Morellini, Pierre, V. Duprat, and H. Eisenhardt, Levallois-Perret, France. Carburetor for internal-combustion engines. 1,511,134; Oct. 7.
 Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining machine. 1,510,628; Oct. 7.
 Morgan, Henry W., Johnson City, N. Y. Cultivator. 1,510,794; Oct. 7.
 Morgan, Olive E., executrix. (See Morgan, Edmund C.)
 Morse, John J., Cleveland, Ohio, assignor to Burroughs Adding Machine Company, Detroit, Mich. Key-driven calculating machine. 1,510,951; Oct. 7.
 Moser, George W., Perryburg, Ohio. Gas-engine piston. 1,511,135; Oct. 7.
 Mote-Mower Company. (See Ramsey, Mark S., assignor.)
 Mount, John H., Atlantic Highlands, N. J. Teltale attachment for explosion engines. 1,510,601; Oct. 7.
 Muehlhauser, Martin W., assignor of fifty-five one-hundredths to S. W. Schofield, Cleveland, Ohio. Mining machine. 1,510,490; Oct. 7.
 Mulligan, Paul C., F. S. Brinton, and H. W. Schmitz, assignors to Pulverized Coal Equipment Corporation, Seattle, Wash. Pulverized-coal-burning apparatus. 1,510,693; Oct. 7.
 Munro, Clarence S., assignor to Tireage Valve Corporation, Charleston, W. Va. Registering valve. 1,510,856; Oct. 7.
 Munster, Julius K., Carnegie, assignor to The Koppers Company, Pittsburgh, Pa. Recuperator coke-oven structure. 1,510,857; Oct. 7.
 Murphy, Frank, assignor of one-half to H. Rutenberger, New York, N. Y. Automobile license-plate holder. 1,510,952; Oct. 7.
 Murphy, William W., Basin, Wyo. Tire-chain tool. 1,510,953; Oct. 7.

ALPHABETICAL LIST OF PATENTEES.

Murray, Edward, Cloquet, Minn. Block conveyer. 1,510,694; Oct. 7.
 Myers, Claud M., Chicago, Ill. Portable steam heater. 1,510,695; Oct. 7.
 Naamloze Vennootschap Nederlandsche Kunstzljfabriek. (See Van Kregten, Jacob R. N., assignor.)
 Nadell, Abraham M., and V. Beauregard, Boston, Mass.; said Beauregard assignor of one-half of his right to said Nadell. Adjustable seat back. 1,510,858; Oct. 7.
 Nathan & Cohen Co. (See Nathan, Benjamin, assignor.)
 Nathan, Benjamin, assignor to Nathan & Cohen Co., Inc., New York, N. Y. Textile fabric. Des. 65,756; Oct. 7.
 National Aniline & Chemical Company. (See Geller, Leon W., assignor.)
 National India Rubber Company. (See Huestis, Thomas B., assignor.)
 Nangrattuck Chemical Company. (See Cadwell, Sidney M., assignor.)
 Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Steel-joist manufacture. 1,510,696; Oct. 7.
 Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Steel-joist manufacture. 1,510,697; Oct. 7.
 Neal, Harry W., assignor to Hall-Neal Furnace Company, Indianapolis, Ind. Damper control for furnaces. 1,511,000; Oct. 7.
 Nebergall, Loran E., Denver, Colo. Fishing tool for deep-well auger stems. 1,511,061; Oct. 7.
 Nelson, James D., Cincinnati, Ohio. Combination watchman, patrol, and fire-alarm transmitter. 1,510,897; Oct. 7.
 Nemo, Andrew. (See Nemo, Jacob, assignor.)
 Nemo, Jacob, New York, assignor to A. Nemo, Brooklyn, N. Y. Vending machine. 1,511,136; Oct. 7.
 Newberry, Spencer B., assignor to The Medusa Cement Paint Company, Cleveland, Ohio. Cement paint. 1,510,795; Oct. 7.
 Nichols, Edgar B., assignor to The Pfaunder Company, Rochester, N. Y. Centrifugal agitator and making the same. 1,510,630; Oct. 7.
 Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeating method and system. 1,510,698; Oct. 7.
 Nikliser, Francis G., New York, N. Y. Combination brush. 1,510,598; Oct. 7.
 Norddeutsche Kuhlerrfabrik A.-G. (See Held, Hans, assignor.)
 Norris, George E., Columbus, Ohio. Combination amusement and vending device. 1,510,899; Oct. 7.
 Norris, George E., Columbus, Ohio. Vending machine. 1,510,900; Oct. 7.
 Northrop, George E., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Die protector. 1,510,954; Oct. 7.
 Norton, C. A. (See Lippert, Aloysius C., assignor.)
 Norton, Clifford. (See Lindquist, D. L., Norton, Engle, Dickinson, and Scott.)
 Norton, Jerome B., Roslindale, assignor to Badger Fire Extinguisher Company, Boston, Mass. Recording and indicating device for fire extinguishers. 1,510,522; Oct. 7.
 Norton, John P., Orange, Conn. Open-face slip index. 1,511,062; Oct. 7.
 Novak, W. J., et al. (See Green, Ellis, assignor.)
 Nowoselski, Edward B., Bloomfield, assignor to Splittdorf Electrical Company, Newark, N. J. Magneto circuit breaker. 1,510,901; Oct. 7.
 Nutry, John, Ridgewood, N. J. Extension device for breather pipes. 1,510,631; Oct. 7.
 Nutry, John, Ridgewood, N. J. Lock mechanism. 1,510,632; Oct. 7.
 Oliver, Edwin L. (See Dolbear, Samuel H., assignor.)
 Olmsted, Albert, Balmoral, Manitoba, Canada. Grass separator. 1,511,090; Oct. 7.
 Olsen, Friedrich, Dover, N. J. Detonating or disruptive explosive. 1,510,555; Oct. 7.
 O'Rourke, John H., Waterbury, Conn. Tube-drawing plug. 1,511,091; Oct. 7.
 Orr, James W., Kansas City, Mo. Emergency brake for automobiles. 1,510,746; Oct. 7.
 Oster Manufacturing Company. (See Costello, John, assignor.)
 Otis, Albert N. (See Collins, E. F., and Otis.)
 Otis Elevator Company et al. (See Lindquist, D. L., Norton, Engle, Dickinson, and Scott, assignors.)
 Ovenshire, Leon L. (See Hurdman, Leonard J., assignor.)
 Owens, John B., Zanesville, Ohio. Tunnel kiln. 1,510,556; Oct. 7.
 Oxwell Railroad Service Company, The. (See Critchett, James H., assignor.)
 Pacent Electric Company. (See Pacent, Louis G., assignor.)
 Pacent, Louis G., Winfield, assignor to Pacent Electric Company, Inc., New York, N. Y. Inductance-coil mounting. 1,510,559; Oct. 7.
 Pack, Samuel B., Washington, D. C. Treating cast iron. 1,511,063; Oct. 7.
 Padden, James, Cylon, Wis. Spark-plug-locking device. 1,511,001; Oct. 7.

Paden, Robert F., assignor to St. Louis Coffin Company, St. Louis, Mo. Casket and method of hermetically sealing the same. 1,510,523; Oct. 7.
 Paden, Robert F., Glendale, assignor to St. Louis Coffin Company, St. Louis, Mo. Casket. 1,510,557; Oct. 7.
 Paisley, Perl E., Bellinre, Ohio. Projectile. 1,510,955; Oct. 7.
 Panconst, William G., Wilmette, assignor to Biflex Products Company, Waukegan, Ill. Automobile bumper. 1,511,039; Oct. 7.
 Paragon Button Corporation. (See Belsky, William, assignor.)
 Parker, Thaddeus, J. C. Lawrence, and F. G. Dunn, Primero, Colo. Safety headlight. 1,510,899; Oct. 7.
 Patterson, Charles E., Los Angeles, Calif. Electric heater. 1,510,796; Oct. 7.
 Paulus, Charles L. (See Russell, H. O., and Paulus.)
 Pawsat, Ewald F., Sheboygan, Wis. Mudguard bracket. 1,510,693; Oct. 7.
 Pawsat, Ewald F., assignor to Wald Manufacturing Co., Sheboygan, Wis. Luggage carrier. 1,510,604; Oct. 7.
 Peck, Cassius C., Rochester, N. Y. Automatic drainage valve and its application to various forms of radiators. 1,510,860; Oct. 7.
 Peulck & Ford, Ltd., Incorporated. (See Hubbard, Milton J., assignor.)
 Perkins, Walter G., London, England. Heat-treatment apparatus. 1,510,956; Oct. 7.
 Permutit Company, The. (See Duggan, Thomas R., assignor.)
 Perry, Orlando H., Fort Atkinson, Wis. Aligning device for tractor steering mechanisms. 1,510,957; Oct. 7.
 Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Producing coke. 1,511,192; Oct. 7.
 Petersen, Edward B., and J. J. Commons, Christchurch, New Zealand. Egg-holding means. 1,511,092; Oct. 7.
 Petersen, Henry, Mount Auburn, Iowa. Cultivator. 1,510,524; Oct. 7.
 Petersen, Henry G., Milwaukee, Wis. Shoe-lace tip. 1,510,605; Oct. 7.
 Pettee, James H. (See Chaplin, W. C., and Pettee.)
 Pfabe, Fritz, Leipzig-Schleissig, Germany. Tobacco-pipe cleaner. 1,510,499; Oct. 7.
 Pfann, Max, Chemnitz, Germany. Typewriting machine. 1,510,797; Oct. 7.
 Pfaunder Company, The. (See Nichols, Edgar B., assignor.)
 Pfautz, William W., Lebanon, Pa. Connecting lock. 1,511,002; Oct. 7.
 Pfefferle, Raymond O., Madelia, Minn. Box or receptacle. 1,511,093; Oct. 7.
 Phillips, Cecil O., assignor to The American Cotton Oil Company, New York, N. Y. Food product. 1,510,696; Oct. 7.
 Phillips, Harry R., et al. (See Burnett, Everett R., assignor.)
 Piebler, Josef, Millstatt, Austria. Fruit-peeling machine. 1,511,137; Oct. 7.
 Pierpont, Frank H., Salfords, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Low-quad-operating mechanism for typographic molds. 1,511,094; Oct. 7.
 Pierpont, Frank H., and J. E. Tipton, Salfords, Horley, England, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic mold. 1,511,095; Oct. 7.
 Pitney-Bowes Postage Meter Company. (See Northrop, George E., assignor.)
 Pittsburgh Water Heater Company. (See Scholz, Charles C., assignor.)
 Poe, Leslie, Cleveland, Miss. Rodless wagon box. 1,510,798; Oct. 7.
 Pokorny, Frank, Mamaronock, assignor of one-half to E. W. Keegan, New York, N. Y. Fluid-control means for motors. Rel. 5,926; Oct. 7.
 Polden, David C., Surbiton, England. Production of molded articles and so forth from casein and the like. 1,511,003; Oct. 7.
 Polk, Thomas J., Chicago, Ill. Airship and glider. 1,510,607; Oct. 7.
 Pooch, Walter H., and M. M. Kooppen, Green Bay, Wis. Candle holder. 1,511,004; Oct. 7.
 Poole, Charles O. (See Manifold, Richard G., assignor.)
 Popeke, Arthur G. (See De Kaiser, L., and Popeke.)
 Powers, Jane M., Washington, D. C. Holder for thread cops or balls. 1,511,005; Oct. 7.
 Prescott, Henry A., Philadelphia, Pa. Swimming jacket. 1,511,006; Oct. 7.
 Price, Gust, et al. (See Hoven, George T., assignor.)
 Priest, Edward D., Schepectady, N. Y., assignor to General Electric Company. Electric locomotive. 1,511,064; Oct. 7.
 Privett, Charles R., et al. (See Privett, Henry C., assignor.)
 Privett, Henry C., Los Angeles, assignor of one-half to C. R. Privett and one-fourth to H. F. Privett, Long Beach, Calif. Inner tube. 1,510,747; Oct. 7.
 Privett, Hollis F., et al. (See Privett, Henry C., assignor.)
 Prutscher, John, Chicago, Ill. Wireworking apparatus. 1,510,525; Oct. 7.
 Pulverized Coal Equipment Corporation. (See Mulligan, P. C., Brinton, and Schmitz, assignors.)

Quillen, William B., Fall River Mills, Calif. Grader. 1,510,958; Oct. 7.
 R & G Company, Inc. (See Anderson, Louis A., assignor.)
 Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Machine for assembling spark plugs. 1,511,202; Oct. 7.
 Ramige, William F., Rockwell City, Iowa. Trace carrier. 1,511,174; Oct. 7.
 Ramsey, Mark S., assignor to Moto-Mower Company, Detroit, Mich. Lawn mower. 1,511,040; Oct. 7.
 Randall, J. D., Company, The. (See Randall, James D., assignor.)
 Randall, James D., assignor to The J. D. Randall Company, Cincinnati, Ohio. Belt finisher. 1,510,700; Oct. 7.
 Ransom, George H., Birmingham, England. Windscreen for road vehicles. 1,510,608; Oct. 7.
 Rathbun, Milo D., Muncie, Ind. Radiator-cap device. 1,510,701; Oct. 7.
 Rau, Herman, Hamilton Beach, N. Y., assignor to Doehler Die-Casting Co. Die for die casting. 1,510,902; Oct. 7.
 Ravenell, Adelard E., Norwich, Conn. Loom weave-line indicator. 1,511,065; Oct. 7.
 Rawsthorne, Robert, jr. (See Kinzler, Edward I., assignor.)
 Raymond Bros. Engineering Co. (See Bergman, Lars H., assignor.)
 Raymond, Charles S., Milwaukee, Wis. Combined bumper and fender for automobiles. 1,510,959; Oct. 7.
 Reed, Claude O. (See Wyatt, W. J., and Reed.)
 Reeves, George N., Mauck, Ga. Poison-applying device. 1,511,066; Oct. 7.
 Regan Safety Devices Company. (See Shaver, Archibald G., assignor.)
 Rekers, Gerret, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic photographic-printing machine. 1,510,748; Oct. 7.
 Remington Typewriter Company. (See Selb, George A., assignor.)
 Rendleman, Norman C., Dormont, assignor, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Making metallic structural elements. 1,510,702; Oct. 7.
 Rendleman, Norman C., Dormont, assignor, by mesne assignments, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Making structural elements. 1,510,703; Oct. 7.
 Rendleman, Norman C., Dormont, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Process and machine for making metallic structural elements. 1,510,704; Oct. 7.
 Rendleman, Norman C., Dormont, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Structural-element manufacture. 1,511,186; Oct. 7.
 Rettig, William M., et al., trustees. (See Kluefer, Guy L., assignor.)
 Reynolds, Ralph W. (See Anthony, L. P., and Reynolds.)
 Ribarsch, Otto, New York, N. Y. Vehicle tire. 1,511,175; Oct. 7.
 Richardson, Charles A., Mansfield, Mass. Loom shuttle cover. 1,510,861; Oct. 7.
 Richardson Company, The. (See Keller, Charles L., assignor.)
 Ricketts, Homer C., assignor, by mesne assignments, to Brodrex Company, Winter Haven, Fla. Fruit-treating apparatus. 1,511,007; Oct. 7.
 Rieder, Jacob J., and H. G. Hoesly, New Glarus, Wis. Electrically-driven device. 1,511,138; Oct. 7.
 Rlesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Compressor-unloading mechanism. 1,510,903; Oct. 7.
 Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding machine. 1,510,960; Oct. 7.
 Risser, Charles A. (See Fleming, H. W., Risser, and Webb.)
 Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Saturating apparatus. 1,511,187; Oct. 7.
 Roberts, Matthew, Alden, Iowa. Self-filling pen for drawing compasses. 1,510,749; Oct. 7.
 Robinson, Guy C., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Production of butyl alcohol and acetone by the fermentation of molasses. 1,510,520; Oct. 7.
 Robinson, John G., and R. A. Thom, Fairfield, Manchester, England. Steam superheater. 1,510,862; Oct. 7.
 Rochester Lock Corporation. (See Townley, William R., assignor.)
 Rockford Milling Machine Company. (See Sundstrand, Gustaf D., assignor.)
 Rockford Tool Company. (See Sundstrand, Gustaf D., assignor.)
 Rogé, Jeanne B., Evanston, Ill. Jewelry box or similar article. Des. 65,757; Oct. 7.
 Rogers, Cora, M. (See Cooke, Eva M., assignor.)
 Rogers, James H., Hyattsville, Md. Loop aerial. 1,510,799; Oct. 7.
 Rolfe, Charles A., Redlands, Calif. Golf tee. 1,510,705; Oct. 7.

Rolph, William M., London, England. Signaling apparatus for vehicles. 1,510,500; Oct. 7.
 Roper & Wrecks Limited. (See English, George W., assignor.)
 Rose, John, Atlantic City, N. J. Umbrella runner and tip cup. 1,510,961; Oct. 7.
 Rose Silver Company. (See Sperling, William, assignor.)
 Rose, William H., Jersey City, N. J. Filter. 1,510,803; Oct. 7.
 Ross, David E., assignor to Rose Gear & Tool Company, La Fayette, Ind. Lever. 1,510,501; Oct. 7.
 Rose Gear & Tool Company. (See Ross, David E., assignor.)
 Rotenberger, Henry. (See Murphy, Frank, assignor.)
 Roth, Harry, Detroit, Mich. Photograph-display cabinet. 1,510,502; Oct. 7.
 Rovira, Josephine G., New York, N. Y. Doll vanity bag. 1,511,041; Oct. 7.
 Roizger, Leo, New York, N. Y. Amusement device. 1,511,139; Oct. 7.
 Rubber Regenerating Company. (See Russell, Joseph H., assignor.)
 Ruberold Company, The. (See Abraham, Herbert, assignor.)
 Rüdenberg, Reinhold, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Electric conductor. 1,510,558; Oct. 7.
 Rueppel, Anna M., Buffalo, N. Y. Toy garden. Des. 65,758; Oct. 7.
 Rundell, Rupert E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-bunch-filler feed. 1,510,804; Oct. 7.
 Rush, Henry, Sedan, Kans. Gas-well valve structure. 1,510,809; Oct. 7.
 Russell, George W., assignor to The Acme Machinery Company, Cleveland, Ohio. Cutter head. 1,510,962; Oct. 7.
 Russell Grader Manufacturing Co. (See Gustafson, Carl A., assignor.)
 Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Trigger motor. 1,511,176; Oct. 7.
 Russell, Joseph H., Naugatuck, Conn., assignor to Rubber Regenerating Company. Reclaiming rubber. 1,510,706; Oct. 7.
 Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Spring-winding fishing reel. 1,510,904; Oct. 7.
 Russell, William L., New Haven, Conn. Process of and apparatus for extracting oil from oil-bearing strata. 1,511,007; Oct. 7.
 Rylander Company, The. (See Rylander, Parrish H., assignor.)
 Rylander, Parrish H., Austin, Tex., assignor to The Rylander Company, Travis County, Tex. Sterilizer. 1,510,610; Oct. 7.
 St. Louis Coffin Company. (See Paden, Robert F., assignor.)
 Satterlee, Henry S., New York, N. Y. Identifying documents. 1,511,042; Oct. 7.
 Sauerman, William E., Avoca, Iowa. Butterworker. 1,510,800; Oct. 7.
 Sauvage, Fernand, Paris, France. Treatment of artificial gems. 1,511,140; Oct. 7.
 Sawyer, Henry A. (See Hancock, Harry H., assignor.)
 Sawyer, William D. (See Carrie, James, assignor.)
 Schang, Michael, Chicago, Ill. Pipe cutter. 1,510,611; Oct. 7.
 Schauman, Karl O., New York, N. Y., assignor to W. H. Avery, San Francisco, Calif. Cable bumper. Re15,927; Oct. 7.
 Schmidt, Frederick C., trustee. (See Schmidt, John C., assignor.)
 Schmidt, John C., St. Louis, Mo., assignor to himself and F. C. Schmidt, trustees. Corner joint. 1,510,503; Oct. 7.
 Schmitz, Helmut W. (See Mulligan, P. C., Brinton, and Schmitz.)
 Schneider, Elmer, and J. Gorman, Cleveland, Ohio. Timer. 1,510,559; Oct. 7.
 Schofield, Sherman W. (See Muehlhauser, Martin W., assignor.)
 Scholz, Charles O., Pittsburgh, Pa., assignor to Pittsburgh Water Heater Company. Water valve for instantaneous water heaters. 1,510,801; Oct. 7.
 Schorr, John, Davenport, Iowa. Operating means for doors. 1,510,963; Oct. 7.
 Schorr, John, Davenport, Iowa. Opening and locking device for closures. 1,510,964; Oct. 7.
 Schossow, Frederick A., Detroit, Mich. Flushing valve. 1,510,865; Oct. 7.
 Schwoerer, John, New York, N. Y. Automobile direction signal. 1,510,905; Oct. 7.
 Schwelnsberg, George W., and M. I. Doyle, Brooklyn, N. Y., assignors to U. S. Electrogalvanizing Company. Apparatus for cleaning articles. 1,510,504; Oct. 7.
 Schuck, Harold P. (See Daniels, E. S., and Schuck.)
 Schults, Herman J., assignor to W. F. Hall Printing Co., Chicago, Ill. Inserting machine. 1,510,707; Oct. 7.
 Schults, Otto, Jr., Newburgh, N. Y. Sleigh. 1,510,500; Oct. 7.
 Schuyler, Wilton S., Cincinnati, Ohio. Accelerator for combustion engines. 1,510,708; Oct. 7.

Scott, Edward S., Camden, N. J., R. A. Millar, and W. C. Fellows, assignors to M. J. Dill, Philadelphia, Pa. Extension table for machine tools. 1,511,141; Oct. 7.
 Scott, Philip L., Three Oaks, Mich., assignor to Super-Diesel Tractor Corporation, Laporte, Ind. Metering valve. 1,510,802; Oct. 7.
 Scott, Rumsey W. (See Lindquist, D. L., Norton, Engle Dickinson, and Scott.)
 Sebest, Fred A., Hammond, Ind., assignor of one-half to G. A. Crawford, Hammond, Ill. Valve. 1,510,528; Oct. 7.
 Segal Metal Products Company. (See Segal, Samuel, assignor.)
 Segal, Samuel, assignor to Segal Metal Products Company, Inc., New York, N. Y. Lock. 1,510,561; Oct. 7.
 Segal, Samuel, New York, N. Y. Bolt. 1,510,562; Oct. 7.
 Selb, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machines. 1,510,563; Oct. 7.
 Self, Sydney W., St. Paul, Minn. Milk-bottle carrier. 1,510,965; Oct. 7.
 Seppmann, Alfred B., Lake Crystal, Minn. Bushing remover. 1,510,806; Oct. 7.
 Severns, William, Chicago, Ill. Making mops. 1,510,505; Oct. 7.
 Seymour, Dudley S., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,510,633; Oct. 7.
 Shakespeare Company. (See Russell, Samuel G., assignor.)
 Shakespeare Company. (See Shakespeare, William, Jr., assignor.)
 Shakespeare, William, Jr., assignor to Shakespeare Company, Kalamazoo, Mich. Reel seat for fishing rods. 1,510,906; Oct. 7.
 Shaver, Archibald G., Chicago, Ill., assignor, by mesne assignments, to Regan Safety Devices Company, Incorporated. Speed controller. 1,510,808; Oct. 7.
 Sherban, Daniel V., assignor to The Bonnot Company, Canton, Ohio. Pulverizing and mill therefor. Re15,930; Oct. 7.
 Sherwood, Charles F., Mill Valley, Calif. Shaft lining. 1,510,804; Oct. 7.
 Shlokawa, Hiroshi, Kobe, Japan. Cast-iron alloy. 1,511,142; Oct. 7.
 Shoemaker, Alvin H., Seattle, Wash. Pneumatic-tire and rim construction. 1,510,709; Oct. 7.
 Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Engine valve mechanism. 1,511,203; Oct. 7.
 Short, Leonard S., Chicago, Ill. Mirror support. Des. 65,759; Oct. 7.
 Slegel, John R., Minneapolis, Minn. Adjustable wrench. 1,510,634; Oct. 7.
 Siemens & Halske Aktiengesellschaft. (See Kaminski, Paul, assignor.)
 Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rüdenberg, Reinhold, assignor.)
 Silverman, Samuel M., assignor to W. B. Bertels & Son Co., Inc., Wilkes-Barre, Pa. Drumhead. 1,510,867; Oct. 7.
 Simenowsky, Louis, Milwaukee, Wis. Shade holder of incandescent electric lamps. 1,510,529; Oct. 7.
 Sine, David A. (See Tierney, P. W., and Sine.)
 Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
 Skat, Salvatore L., Chicago, Ill. Signal device. 1,510,966; Oct. 7.
 Sjolander, Eric O., Los Angeles, Calif. Belt retainer. 1,510,868; Oct. 7.
 Skaer, Edward J., Liberal, Kans. Automatic parking indicator. 1,510,612; Oct. 7.
 Skinner, Walter A., Burnside, Conn. Lath-pulling machine. 1,510,869; Oct. 7.
 Slack, Edward M., Pecos, Tex. Combined pencil and fountain-pen construction. 1,510,613; Oct. 7.
 Slack, Walter W. (See Hammond, Fred C., assignor.)
 Smart, Joseph H. (See Werner, C. J., and Smart.)
 Smith, Charles D., New York, N. Y. Signal-control train stop. 1,510,506; Oct. 7.
 Smith, Charles F., Westfield, N. Y. Aeroplane. 1,511,008; Oct. 7.
 Smith, Irving R., Wauwatosa, Wis. Writing-utensil holder. 1,510,805; Oct. 7.
 Smolens, Abraham M., New York, N. Y. Figure toy. 1,510,507; Oct. 7.
 Smolensky, Michael, Cleveland, Ohio. Check valve. 1,510,967; Oct. 7.
 Snider, Walter D., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Bearing protector. 1,510,806; Oct. 7.
 Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,511,181; Oct. 7.
 Snyder, Vernon C., Pelham Manor, assignor to American Can Company, New York, N. Y. Cigar box. 1,510,508; Oct. 7.
 Sommer, William H., Peoria, assignor to Keystone Steel & Wire Company, Bartonville, Ill. Reel. 1,510,750; Oct. 7.
 Soule, Lawrence C., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Radiator. 1,510,807; Oct. 7.

Soule, Lawrence C., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Heating unit. 1,510,808; Oct. 7.
 Spear, Howard A., assignor of one-half to J. W. Stacy, Springfield, Mass. Flushing valve. 1,511,009; Oct. 7.
 Spencer, Robert C., Jr., River Forest, assignor to Casement Hardware Co., Chicago, Ill. Casement-window-sash adjuster. 1,511,010; Oct. 7.
 Sperling, William, assignor to Rose Silver Company, New York, N. Y. Sugar receptacle. 1,510,710; Oct. 7.
 Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Wireless repeater system. Re15,924; Oct. 7.
 Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
 Splittdorf Electrical Company. (See Libby, Albion D. T., assignor.)
 Splittdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
 Springfield Motor Sweeper Company, The. (See Aitken, Andrew W., assignor.)
 Spurgin Manufacturing Company. (See Spurgin, Robert and P. S., assignors.)
 Spurgin, Percival S. (See Spurgin, Robert and P. S.)
 Spurgin, Robert and P. S., assignors to Spurgin Manufacturing Company, Chicago, Ill. Window coin wrapper. 1,511,188; Oct. 7.
 Stacy, John W. (See Spear, Howard A., assignor.)
 Stadeker, Gilbert I., Chicago, Ill. Cleaner or wiper for windshields and the like. 1,510,509; Oct. 7.
 Staerk, Julius, Chicago, Ill. Paring knife. 1,510,711; Oct. 7.
 Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Cross-weaving loom. 1,511,184; Oct. 7.
 Ståhlberg, Sven A. (See Wadell, H. A., and Ståhlberg.)
 Stanwood, Frank H., Wilmette, Ill. Table mat. Des. 65,760; Oct. 7.
 Starr, Alden B., Brooklyn, N. Y. Cap-applying apparatus. 1,511,068; Oct. 7.
 Stears, Charles H. (See Johnson, Charles, assignor.)
 Steenrod, Courtland R., Dayton, Ohio. Electric grill. 1,510,870; Oct. 7.
 Stein, Milton F., assignor to International Filter Co., Chicago, Ill. Feed regulator. 1,510,907; Oct. 7.
 Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,510,712; Oct. 7.
 Stewart-Warner Speedometer Corporation. (See Cleven, Axel, assignor.)
 Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. "Automatically-threading" shuttle. 1,511,069; Oct. 7.
 Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet. 1,510,713; Oct. 7.
 Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet. 1,510,714; Oct. 7.
 Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
 Stinchfield, Ray L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,510,715; Oct. 7.
 Stockfleth, Berger, Berrien Springs, and F. W. Burger, Niles, assignors to Clark Tractor Company, Buchanan, Mich. Means for handling rolls of paper. 1,510,564; Oct. 7.
 Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,511,182; Oct. 7.
 Storer, George B., Jr. (See Holstein, C. W., and Grob, assignors.)
 Straight, Halver R., Adel, Iowa. Water tank. 1,510,716; Oct. 7.
 Straight, Halver R., Adel, Iowa. Device for handling plastic brick. 1,510,717; Oct. 7.
 Strmle, John M., Chicago, Ill. Combination lock. 1,510,635; Oct. 7.
 Strong, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Press. 1,510,718; Oct. 7.
 Sullivan, James M., Chicago, Ill. Method of and machine for making paper bags. 1,511,043; Oct. 7.
 Sullivan, Julius C., Warren, Pa. Safety valve. 1,511,143; Oct. 7.
 Sundstrand, Gustaf D., assignor to Rockford Milling Machine Company, Rockford, Ill. Knee for milling machines. 1,510,563; Oct. 7.
 Sundstrand, Gustaf D., assignor to Rockford Milling Machine Company, Rockford, Ill. Milling machine. 1,510,566; Oct. 7.
 Sundstrand, Gustaf D., assignor to Rockford Tool Company, Rockford, Ill. Lathe. 1,510,567; Oct. 7.
 Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
 Swain, Charles S., Long Beach, Calif. Rotary drill bit. 1,510,871; Oct. 7.
 Swarm, Henry W., Pine Bluff, Ark. Clothespin. 1,510,872; Oct. 7.
 Swartz, John W. (See Dill, P. R., and Swartz.)
 Sweetland, Ernest J., Montclair, N. J., assignor to United Filters Corporation, New York, N. Y. Filter. 1,510,568; Oct. 7.
 Sweetland, Ernest J., Montclair, N. J., assignor to United Filters Corporation, New York, N. Y. Liquid clarification. 1,510,809; Oct. 7.

Sykes, Cameron M., assignor to W. & T. Avery, Limited, Birmingham, England. Polse weight of steel yards. 1,511,177; Oct. 7.
 Sykes, Cameron M., assignor to W. & T. Avery, Limited, Birmingham, England. Automatic weight-indicating mechanism. 1,511,178; Oct. 7.
 Sykes, Harvey M., Toledo, Ohio. Spring teeter. 1,510,719; Oct. 7.
 Szekely, Otto E., Moline, Ill. Automotive drive mechanism. 1,510,569; Oct. 7.
 Tallman, Joseph H., Jacksonville, Fla. Wardrobe. 1,511,179; Oct. 7.
 Tanier, Victor, Sclaigheaux, Belgium. Furnace. 1,510,510; Oct. 7.
 Tate, McGarvey E., Somerset, Ky. Doorcheck. 1,510,873; Oct. 7.
 Thom, Robert A. (See Robinson, J. G., and Thom.)
 Thompson, Akel R., New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Ball stop for bowling alleys. 1,510,720; Oct. 7.
 Thorsten, Alfred P., Brooklyn, N. Y. Oiling device for threading machines. 1,511,144; Oct. 7.
 Tieck, Max A., Seattle, Wash. Lubricating device. 1,510,721; Oct. 7.
 Tierney, Philip W., and D. A. Sine, assignors to Eastman Kodak Company, Rochester, N. Y. Lens carriage for photographic cameras. 1,510,722; Oct. 7.
 Timken Roller Bearing Company, The. (See Strong, Ernest G., assignor.)
 The Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)
 Tipton, Joseph E. (See Pierpont, F. H., and Tipton.)
 Tireage Valve Corporation. (See Munro, Clarence S., assignor.)
 Tison, Robert F., Tulsa, Okla. Tower corner construction. 1,511,145; Oct. 7.
 Titeflex Metal Hose Corporation. (See Fulton, William H., assignor.)
 Tobias, Alexander, Brooklyn, N. Y. Comb or similar article. 1,510,511; Oct. 7.
 Toner, John J., New York, N. Y. Rudder. 1,511,146; Oct. 7.
 Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,510,723; Oct. 7.
 Torrence, Pleasant S., Salisbury, N. C. Metal shingle. 1,510,614; Oct. 7.
 Torres Gener, Da Juana, et al. (See Canal, José L., assignor.)
 Torres Gener, Francisco, et al. (See Canal, José L., assignor.)
 Torres Gener, Jose, et al. (See Canal, José L., assignor.)
 Towers, John S., Rapid City, Mich. Slide-wheel attachment for cycles. 1,511,147; Oct. 7.
 Townley, William R., Elmira, assignor, by mesne assignments, to Rochester Lock Corporation, Rochester, N. Y. Automobile lock. 1,511,148; Oct. 7.
 Townsend, Arthur J. (See Nangle, H. M., and Townsend.)
 Trachtenberg, Samuel, Cleveland, Ohio. Comb. 1,510,512; Oct. 7.
 Trenton Patent Manufacturing Co. (See Jaeger, William H., assignor.)
 Trott, Rolland S., Denver, Colo. Shock-spring mounting. 1,510,751; Oct. 7.
 Trott, Rolland S., Denver, Colo. Spring suspension. 1,510,752; Oct. 7.
 Trueblood, Samuel L., Baton Rouge, La. Numbering automobiles. 1,511,149; Oct. 7.
 Tuka, Fred. (See Weinert, A. L., Jr., and Tuka.)
 Tulsa Tool Company, The, et al. (See Green, Ellis, assignor.)
 Tweedie, Charles, Jefferson City, Mo. Boot top. Des. 65,761; Oct. 7.
 Twetten, Clarence H., Round Lake, Minn. Perambulator. 1,510,753; Oct. 7.
 Tyson, Homer N. (See Harrub, J. M., and Tyson.)
 Ulmer, Charles D. (See Ulmer, William N., assignor.)
 Ulmer, William N., Redmond, assignor of one-half to D. Ulmer, Port Angeles, Wash. Gasoline-price device. 1,511,193; Oct. 7.
 Union Special Machine Company. (See Seymour, Dudley S., assignor.)
 Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
 United Filters Corporation. (See Sweetland, Ernest J., assignor.)
 United Shoe Machinery Corporation. (See Duncan, Frederick, assignor.)
 United Shoe Machinery Corporation. (See Jerram, A. E., and Gouldbourn, assignors.)
 United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
 U. S. Electrogalvanizing Company. (See Schweinsberg, G. W., and Doyle, assignors.)
 Universal Postal Franks Limited. (See Kinnard, Edward H., assignor.)
 V. Rothe, Alexander, Berlin-Wilmersdorf, Germany. Cinematographic apparatus. 1,510,527; Oct. 7.
 Van Kregten, Jacob R. N., assignor to Naamloose Venootschap Nederlandse Kunstzijdefabriek, Arnhem, Netherlands. Purifying solutions of viscose and similar solutions of cellulose. 1,510,810; Oct. 7.

Varé, Emile, Brussels, Belgium. Accumulator electrode. 1,510,617; Oct. 7.
 Vaughn, Zephtha W. (See Dorsey, J. C., and Vaughn.)
 Vergie, Jerome E., et al. (See Wadell, Edward B., assignor.)
 Verlier, Walter E., Chicago, Ill. Printing machine. 1,510,513; Oct. 7.
 Vermeyen, Elie J., Cholsy-le-Roi, France. Continuous-distillation device. 1,510,636; Oct. 7.
 Vieira, Edward, Brooklyn, assignor to Robert Gair Company, New York, N. Y. Three-face single-blank-display container. 1,510,570; Oct. 7.
 Vise, Albert, Paris, France. Gas burner. 1,511,180; Oct. 7.
 Waddicor, James, Jr., Bolton, England. Vehicle headlamp. 1,510,724; Oct. 7.
 Wadell, Edward B., assignor of one-third to C. B. Early and one-third to J. E. Vergie, Williamson, W. Va. Gauge cock. 1,510,874; Oct. 7.
 Wadell, Hakon A., and S. A. Ståhlberg, Mexico, Mexico. Machine and process for opening nut shells. 1,510,968; Oct. 7.
 Wahl Company, The. (See Bell, Raymond T., assignor.)
 Wait, Thaddeus S., Sturgis, Mich. Curtain holder. 1,510,908; Oct. 7.
 Wakino, Tsuruchi H. (See Kamiya, K., and Wakino.)
 Wald Manufacturing Co. (See Pawsat, Ewald F., assignor.)
 Waldo, Algernont H., St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 65,762; Oct. 7.
 Walker, Hyron A., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,511,070; Oct. 7.
 Walker, Everett, Portsmouth, Va. Passenger register. 1,510,875; Oct. 7.
 Walker, Noah, Philadelphia, Pa. Agitator. 1,510,514; Oct. 7.
 Walker, Robert L., assignor to A. E. Hill Manufacturing Co., Atlanta, Ga. Variometer. 1,510,876; Oct. 7.
 Walker, Roy C. (See Harns, G., and Walker.)
 Walsh, Joseph H., Boston, Mass., assignor to Johns-Manville, Incorporated, New York, N. Y. Process of and apparatus for drying comminuted or sheet material. 1,510,615; Oct. 7.
 Walt, Emmett F. (See Lockyer, Robert H., assignor.)
 Walvatne, Albert M., Volga, S. Dak. Cloth holding and cutting rack. 1,510,754; Oct. 7.
 Ward, Wallace E., assignor to A. H. Ingle, Rochester, N. Y. Center-drive axle lathe. 1,510,811; Oct. 7.
 Ware, Walter F., Haddonfield, N. J., assignor to The Walter F. Ware Company. Nursing nipple. 1,510,511; Oct. 7.
 Ware, Walter F., Company. (See Ware, Walter F., assignor.)
 Wareham, Charles E., and A. J. Dreher, assignors to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 1,510,725; Oct. 7.
 Warner Manufacturing Company. (See Cadman, Addl B., assignor.)
 Warren Clock Company. (See Warren, Henry E., assignor.)
 Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Self-starting synchronous motor. 1,511,071; Oct. 7.
 Waterville Iron Works. (See Hussey, William F., assignor.)
 Watrous, Earl G., Chicago, Ill. Vehicle seat. 1,510,969; Oct. 7.
 Watson, George. (See Weir, A. E., and Watson.)
 Watson, George R., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Drill-bit shaper and sharpener. 1,510,726; Oct. 7.
 Watson, George R., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Apparatus for shaping drill bits. 1,510,727; Oct. 7.
 Weaver, Cartter, Pittsburgh, Pa. Collar button. 1,510,572; Oct. 7.
 Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Press fixture. 1,510,637; Oct. 7.
 Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
 Webb, Irving E., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Unitary motor and power-transmitter mechanism. 1,510,728; Oct. 7.
 Webb, Orris K. (See Fleming, H. W., Risser, and Webb.)
 Wedgwood, Josiah, & Sons, Inc., of America. (See Goodwin, John E., assignor.)
 Weeks, Jesse F., St. Helena, Calif. Pulverizer. 1,510,638; Oct. 7.
 Weinert, August L., Jr., and F. Tuka, Newark, N. J. Valve-truing device. 1,510,812; Oct. 7.
 Weir, Albert E., and G. Watson, Toronto, Ontario, Canada. Locking device for train-line couplings. 1,510,755; Oct. 7.
 Weisner, Charles E., Durmid, Va. Cutting mechanism for cigarette machines. 1,510,729; Oct. 7.
 Weisse, Hugo C., and G. L. Mather, Milwaukee, Wis., assignor, by mesne assignments, to The Fish Rubber Company, Chicopee Falls, Mass. Cutting device. 1,511,191; Oct. 7.
 Weldless Chain Corporation. (See Cowles, William B., assignor.)
 Werner, Clement J., and J. H. Smart, Dorchester, Mass. Finder light. 1,510,515; Oct. 7.

Western Electric Company. (See Johnson, Edgar D., assignor.)
 Western Electric Company. (See Nicolson, Alexander M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See MacGahan, Paul, assignor.)
 Westinghouse Gear and Dynamometer Company. (See Hodgkinson, Francis, assignor.)
 Westinghouse Lamp Company. (See Brann, Albert, assignor.)
 Whelpley, Lloyd E., Beverly, assignor to Boston Machine Works Company, Lynn, Mass. Insole-toe-clip-molding machine. 1,510,573; Oct. 7.
 Whipple, Frederick C., Chicago, Ill. Locking bolt and nut. Rel.5,925; Oct. 7.
 White, Joseph, deceased, Middlesex, and W. Eckhard, Plainfield, N. J.; M. E. White, administratrix, assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Apparatus for handling piles of paper. 1,510,530; Oct. 7.
 White, Minnie E., administratrix. (See White, J., and Eckhard.)
 White, William E., Chicago, Ill. Chair for concrete bars. 1,510,516; Oct. 7.
 White, William E., Chicago, Ill. Reinforcing chair. 1,510,517; Oct. 7.
 White, William E., Chicago, Ill. Insert. 1,510,518; Oct. 7.
 Whiting, Charles A., Franklin, Mass. Mesh bag. Des. 65,763; Oct. 7.
 Whiting, Harold M., Rocky Point, N. Y. Switch-control device. 1,510,909; Oct. 7.
 Wiedenmann, Christian H., Kansas City, Mo. Wrist support. 1,510,877; Oct. 7.
 Wigmore, William J., Oakland, Calif. Elevator-hatchway door lock. 1,510,878; Oct. 7.
 Wilcox, Perley S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Destructive-distillation process. 1,510,730; Oct. 7.
 Wild, Charles H., Baltimore, Md., assignor to Burt Machine Company, Incorporated. Can-sorting machine. 1,510,616; Oct. 7.
 Williams, Ernest W., Lynn, Mass. Shut-off valve for pipe fittings. 1,510,813; Oct. 7.
 Williams, Pearce P., Nutley, N. J. Lightning arrester. 1,510,731; Oct. 7.
 Willis, James W., Toronto, Ontario, Canada. Floor waxer and polisher. 1,511,150; Oct. 7.
 Wills, Edwin C., East Orange, N. J. Oil burner. 1,510,639; Oct. 7.

Wills, Walter B., Baltimore, Md. Strainer. 1,510,910; Oct. 7.
 Wilson, C. R., Body Company. (See Connolly, Edward J., assignor.)
 Wilson, Harvey O., Wilmington, Del. Scooter. 1,511,151; Oct. 7.
 Wilson, William E., Evansville, Ind. Heater for automobile radiators and engines. 1,510,531; Oct. 7.
 Wilson, William G., West New Brighton, N. Y. Anticreeper. 1,510,640; Oct. 7.
 Winarski, Stanley M. (See Jacobs, R. P., and Winarski.)
 Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
 Wine, William E., and W. F. Cremean, Toledo, Ohio. Side bearing. 1,510,641; Oct. 7.
 Wintroath, John A., S. N. Hall, and M. E. Layne, Los Angeles, Calif. Thrust bearing. 1,510,814; Oct. 7.
 Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Telescope. 1,510,732; Oct. 7.
 Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
 Wolverine Brass Works. (See Burman, Olof S., assignor.)
 Wood, John C., Lumberton, N. Mex. Amalgamator. 1,510,733; Oct. 7.
 Wood, Stephen G. (See Dun Lany, W. P., and Wood.)
 Worthington Pump and Machinery Corporation. (See Rlesner, Michael, assignor.)
 Worthington Pump and Machinery Corporation. (See Snider, Walter D., assignor.)
 Worton, Samuel G. (See Diehl, A. N., and Worton.)
 Wrinkle, James S., Miami, Fla. Game. 1,510,574; Oct. 7.
 Wyatt, William J., and C. O. Reed, Mansfield, Ark. Liquid-vending machine. 1,510,642; Oct. 7.
 Yachno, Zofia, Walnutport, Pa. Facial device. 1,510,879; Oct. 7.
 Yale & Towne Manufacturing Company, The. (See Freysinger, John B., assignor.)
 Young, Franklin H., et al. (See Burnett, Everett R., assignor.)
 Young, Gerald P., Dayton, Ohio. Decarbonizing compound. 1,511,152; Oct. 7.
 Zaiser, William, Brooklyn, N. Y., assignor to The Aeolian Company. Cabinet for a radio set. Des. 65,764; Oct. 7.
 Zehfus, John C., Chicago, Ill. Air-cleaning device. 1,510,911; Oct. 7.
 Ziska, Adam, Jr. (See Harley, W. S., and Ziska, Jr.)
 Zorn, Raymond C., Galveston, Tex. Float for swimmers. 1,510,532; Oct. 7.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, releases, and designs.

Adding machine. E. R. Koester. 1,510,481; Oct. 7.
Adding machine. F. C. Rinsche. 1,510,960; Oct. 7.
Adding machines, Time switch for. T. S. Bindschedler. 1,510,917; Oct. 7.
Adhesive. F. W. Farrell. 1,510,591; Oct. 7.
Adhesive and sealing strip having a coating of the same. F. W. Farrell. 1,510,472; Oct. 7.
Adjustable wrench. J. R. Slegner. 1,510,634; Oct. 7.
Advertising device. J. Dingedahl. 1,510,464; Oct. 7.
Aerial, Loop. J. H. Rogers. 1,510,799; Oct. 7.
Aeroplane. C. F. Smith. 1,511,008; Oct. 7.
Agitator. N. Walker. 1,510,514; Oct. 7.
Agitator and making same, Centrifugal. E. B. Nichols. 1,510,630; Oct. 7.
Agricultural machine, Motor. A. T. and C. S. Brown. 1,511,024; Oct. 7.
Air-cleaning device. J. C. Zehfus. 1,510,911; Oct. 7.
Aircraft, Pilot-directing instrument and bomb-dropping sight for. A. H. Boettcher. 1,510,975; Oct. 7.
Air-pressure regulator. J. E. Curtiss. 1,510,980; Oct. 7.
Airship and glider. T. J. Polk. 1,510,607; Oct. 7.
Alcohol and acetone by the fermentation of molasses, Production of butyl. G. C. Robinson. 1,510,526; Oct. 7.
Amalgamator. J. C. Wood. 1,510,733; Oct. 7.
Amusement and vending device, Combination. G. E. Norris. 1,510,899; Oct. 7.
Amusement device. E. H. Denning. 1,510,768; Oct. 7.
Amusement device. R. H. Lockyer. 1,510,995; Oct. 7.
Amusement device. L. Roziger. 1,511,139; Oct. 7.
Animal trap. R. W. Cudworth. 1,510,832; Oct. 7.
Anticreep. W. G. Wilson. 1,510,840; Oct. 7.
Antiskid chains and other articles, Fastener for. A. R. Mielke. 1,510,692; Oct. 7.
Anti-theft device. B. F. Betts. 1,510,823; Oct. 7.
Arm guard. C. L. Johnson. 1,510,783; Oct. 7.
Ash tray. I. M. Clarke. Des. 65,727; Oct. 7.
Ash tray. V. Garreña. Des. 65,731; Oct. 7.
Automobile attachment. J. R. Le Clair. 1,510,786; Oct. 7.
Automobile bumper. W. G. Pancoast. 1,511,039; Oct. 7.
Automobile bumper bracket. T. A. Hoover. 1,510,992; Oct. 7.
Automobile direction signal. J. Schwoerer. 1,510,905; Oct. 7.
Automotive drive mechanism. O. E. Szekely. 1,510,569; Oct. 7.
Automobile license-plate holder. F. Murphy. 1,510,952; Oct. 7.
Automobile lock. J. P. Geraghty. 1,511,119; Oct. 7.
Automobile lock. W. R. Townley. 1,511,148; Oct. 7.
Automobile radiator cap. A. C. Lippert. Des. 65,749; Oct. 7.
Automobile radiators and engines, Heater for. W. E. Wilson. 1,510,531; Oct. 7.
Automobile signal. W. L. Baldwin. 1,511,100; Oct. 7.
Automobile signal. W. E. Bland. 1,510,974; Oct. 7.
Automobile tops, Sliding window for. L. and C. Gillig. 1,510,668; Oct. 7.
Automobile window lifter. C. W. Holstein and W. C. Grob. 1,510,551; Oct. 7.
Automobile windshield, Folding glare dimmer for. J. C. Dorsey and J. W. Vaughn. 1,510,984; Oct. 7.
Automobiles, Combined bumper and fender for. C. S. Raymond. 1,510,959; Oct. 7.
Automobiles, Emergency brake for. J. W. Orr. 1,510,746; Oct. 7.
Automobiles, Numbering. S. L. Trueblood. 1,511,140; Oct. 7.
Bag: See—
Doll vanity bag.
Bag frame, Ornamental plate for a. S. G. Mandallan. Des. 65,751-2; Oct. 7.
Baggage, Combination. R. E. Adams. 1,510,815; Oct. 7.
Bait, Artificial. A. Cooley. 1,510,923; Oct. 7.
Bandeau, Adjustable. J. A. McKnight. 1,511,129; Oct. 7.
Barber shops, Customer's turn indicator for. F. Gurley. 1,510,494; Oct. 7.
Basin, Catch. L. Gschwind. 1,510,935; Oct. 7.
Bath cabinet. D. M. Kennedy. 1,510,596; Oct. 7.
Bath tub mat. B. P. Bomar. 1,510,647; Oct. 7.
Bearing protector. W. D. Snider. 1,510,896; Oct. 7.
Bearing, Roller. W. B. Bronander. 1,510,920; Oct. 7.
Bearing, Side. W. E. Wine and W. F. Cremean. 1,510,641; Oct. 7.
Bearing, Thrust. J. A. Wintroath, S. N. Hall, and M. E. Layne. 1,510,814; Oct. 7.
Bed, Camp. H. W. Fleming. C. A. Rasser, and O. K. Webb. 1,510,592; Oct. 7.
Bed, Concealable folding. F. S. Inco. 1,511,079; Oct. 7.
Beet topper and lifter, Combined sugar. E. L. Ambler. 1,510,452; Oct. 7.
Belt finisher. J. D. Randall. 1,510,700; Oct. 7.
Belt retainer. E. O. Sjolander. 1,510,868; Oct. 7.
Birdcage. L. J. Leon. 1,511,058; Oct. 7.
Bit: See—
Drill bit.
Board: See—
Game board.
Ifoning board.
Bolt: See—
Detachable bolt.
Bolt. S. Segal. 1,510,562; Oct. 7.
Boot top. C. Tweedle. Des. 65,761; Oct. 7.
Bottle. G. N. Mas. Des. 65,753-5; Oct. 7.
Bottle carrier, Milk. S. W. Self. 1,510,965; Oct. 7.
Bottle-feeding apparatus. H. G. Haemker and N. F. and H. E. Mersch. 1,510,936; Oct. 7.
Bottle-topping means. F. C. Arey. 1,510,913; Oct. 7.
Bowling alleys, Ball stop for. A. R. Thompson. 1,510,720; Oct. 7.
Box: See—
Cigar box.
Mail box.
Box front. M. H. Connor. Des. 65,729; Oct. 7.
Box or receptacle. R. O. Pfeifferle. 1,511,093; Oct. 7.
Boxes, Method of and apparatus for strapping. J. W. Leslie. 1,510,484; Oct. 7.
Bracket: See—
Automobile bumper bracket. Mudguard bracket.
Braidling machines, Driving mechanism for. J. P. King. 1,510,480; Oct. 7.
Brake: See—
Electric brake.
Brick, Device for handling plastic. H. R. Straight. 1,510,717; Oct. 7.
Briquette and making same. A. B. Montgomery. 1,510,745; Oct. 7.
Brush, Combination. F. G. Nickleser. 1,510,898; Oct. 7.
Buckle, Belt. L. A. Anderson. 1,510,643; Oct. 7.
Building construction. D. Bruhn. 1,510,519; Oct. 7.
Bumper and radiator shield, Combined. R. B. Fageol. 1,510,986; Oct. 7.
Bumper, Cable. K. O. Schauman. Re15,927; Oct. 7.
Burner: See—
Gas burner.
Oil burner.
Hydrocarbon burner.
Burner. G. Bluemel. 1,511,019; Oct. 7.
Burners, Intensifier for. W. S. Andrysiak. 1,511,045; Oct. 7.
Bushings remover. A. B. Seppmann. 1,510,865; Oct. 7.
Butterworker. W. E. Sanerman. 1,510,800; Oct. 7.
Button. W. Belsky. 1,511,101; Oct. 7.
Button, Collar. C. Weaver. 1,510,572; Oct. 7.
Cable clamp. C. A. Butler. 1,510,921; Oct. 7.
Calculating machine, Key-driven. J. J. Morse. 1,510,951; Oct. 7.
Calling device, Automatic. C. E. Mallory. 1,511,089; Oct. 7.
Camera back. C. Bornmann, Jr. 1,511,167; Oct. 7.
Camera-extension indicator. E. F. Kinzier. 1,510,942; Oct. 7.
Cameras, Lens carriage for photographic. P. W. Tierney and D. A. Sine. 1,510,722; Oct. 7.
Cameras, Protecting films and loading same in. J. G. Capstan. 1,510,738; Oct. 7.
Cameras, Winding key for. C. A. Bornmann, Jr. 1,511,159-60; Oct. 7.
Can-sorting machine. C. H. Wild. 1,510,616; Oct. 7.
Cans, Apparatus for marking. J. Albertoll. 1,510,734; Oct. 7.
Candle holder. W. H. Pooch and M. M. Koepen. 1,511,004; Oct. 7.
Candy machine. C. Huth. 1,510,940; Oct. 7.
Cap-applying apparatus. A. B. Starr. 1,511,068; Oct. 7.
Car coupler, Mine. J. W. Burke. 1,511,103; Oct. 7.
Car doorways, Circuit closer for. J. L. Entwistle. 1,511,055; Oct. 7.
Car seal, Indicating. R. W. Gatewood. 1,510,666; Oct. 7.

ALPHABETICAL LIST OF INVENTIONS.

xxvii

Cars, Mail-bag-delivering device for railway. S. L. and L. J. King. 1,510,681; Oct. 7.
Cars, Placard holder for tank. E. A. Fall. 1,510,671-2; Oct. 7.
Carbon black, Production of. G. C. Lewis. 1,510,485; Oct. 7.
Carbureting apparatus. E. P. Dumanols. 1,510,836; Oct. 7.
Carburetor. J. Hurst. 1,510,930; Oct. 7.
Carburetor. C. F. Johnson. 1,510,520; Oct. 7.
Carburetors, Fuel-feeding system for. H. Heid. 1,511,163; Oct. 7.
Carrier: See—
Bottle carrier.
Luggage carrier.
Trace carrier.
Carton. S. C. Anschell. Des. 65,718; Oct. 7.
Carton. E. Bockhorst, sr. 1,511,047; Oct. 7.
Cartridges and the like, Machine for tamping dry-cell. H. de Olaneta. 1,510,835; Oct. 7.
Case: See—
Shell or cartridge case.
Stamp or cabinet case.
Casket. R. F. Paden. 1,510,557; Oct. 7.
Casket and hermetically sealing same. R. F. Paden. 1,510,523; Oct. 7.
Casket stand. S. E. Beam. 1,510,972; Oct. 7.
Cast iron, Treating. S. B. Pack. 1,511,063; Oct. 7.
Catalyst and producing same. A. T. Larson. 1,510,598; Oct. 7.
Cellulose-ether purification. R. Baybutt. 1,510,735; Oct. 7.
Cellulose with an organic substance, Production of pressed masses, molded articles, and the like from compounds of. R. Herrmann. 1,510,779; Oct. 7.
Centrifugal. A. J. Gravenberg. 1,510,776; Oct. 7.
Centrifugal machines, Driveline for. W. C. Coleman. 1,510,657; Oct. 7.
Chair: See—
Reinforcing chair.
Chair for concrete bars. W. E. White. 1,510,516; Oct. 7.
Chlorhydrins, Manufacture of. K. P. McElroy. 1,510,790; Oct. 7.
Christmas-tree holder. P. H. Lundmark. Des. 65,750; Oct. 7.
Christmas-tree lighting. H. D. Holler. 1,510,847; Oct. 7.
Chuck. H. H. McConnell. 1,510,896; Oct. 7.
Cigar box. V. C. Snyder. 1,510,508; Oct. 7.
Cigar-bunch-filler feed. R. E. Rundell. 1,510,864; Oct. 7.
Cigarette machines, Cutting mechanism for. C. E. Weisner. 1,510,729; Oct. 7.
Cigarette-paper book. H. Chambon. 1,511,107; Oct. 7.
Cinematographic apparatus. A. v. Rothe. 1,510,527; Oct. 7.
Clamp: See—
Cable clamp.
Column clamp.
Clasp: See—
Dental clasp.
Lingerie clasp.
Cleaner: See—
Gravel cleaner.
Pipe cleaner.
Cleaning articles, Apparatus for. G. W. Schweinsberg and M. I. Doyle. 1,510,504; Oct. 7.
Clip: See—
Safety clip.
Clock case. J. P. Gilchrist. Des. 65,732; Oct. 7.
Cloth holding and cutting rack. A. M. Walvatne. 1,510,754; Oct. 7.
Clothes hanger. J. H. Busch. 1,510,737; Oct. 7.
Clothespin. H. W. Swann. 1,510,872; Oct. 7.
Clutch. K. Kobayashi. 1,510,802; Oct. 7.
Clutch, Friction. W. Le Gendre. 1,510,498; Oct. 7.
Coal-burning apparatus, Pulverized. P. C. Mulligan, F. S. Brinton, and H. W. Schmitz. 1,510,693; Oct. 7.
Cock, Gauge. E. B. Wadell. 1,510,874; Oct. 7.
Coffee roaster. A. P. Grohens. 1,510,989; Oct. 7.
Coffin lid. G. W. Hemby. 1,511,036; Oct. 7.
Coin bank. P. R. Dill and J. W. Swartz. 1,510,660; Oct. 7.
Coin wrapper, Window. R. and P. S. Spurgin. 1,511,188; Oct. 7.
Coke, Producing. R. P. Perry. 1,511,192; Oct. 7.
Column clamp, Round. C. M. Markham. 1,510,950; Oct. 7.
Comb. S. Trachtenberg. 1,510,512; Oct. 7.
Comb or similar article. A. Tobias. 1,510,511; Oct. 7.
Combination lock. J. M. Strmic. 1,510,635; Oct. 7.
Communitated or sheet material, Process of and apparatus for drying. J. H. Walsh. 1,510,615; Oct. 7.
Compasses, Self-filling pen for drawing. M. Roberts. 1,510,749; Oct. 7.
Compressor-unloading mechanism. M. Riesner. 1,510,903; Oct. 7.
Concrete forms, Jack for. J. C. Hanson. 1,510,743; Oct. 7.
Concrete mold. J. G. McKenna. 1,511,087; Oct. 7.
Connecting lock. W. W. Pfautz. 1,511,002; Oct. 7.
Conveyer, Block. E. Murray. 1,510,694; Oct. 7.
Conveyer hook. G. J. Bryen. 1,510,580; Oct. 7.
Conveying apparatus. B. R. Adkins and W. Y. Lewis. 1,511,011; Oct. 7.
Cooker, Continuous. F. D. Chapman. 1,510,544; Oct. 7.
Cooler: See—
Engine cooler.
Copper to steel, Uniting. J. B. Austin. 1,511,195; Oct. 7.
Copper to steel, Uniting. J. B. Austin. 1,511,197; Oct. 7.
Corner joint. J. C. Schmidt. 1,510,503; Oct. 7.
Costumer. A. Ellingsen. 1,510,661; Oct. 7.
Coupling: See—
Pipe coupling.
Couplings, Locking device for train-line. A. E. Weir and G. Watson. 1,510,755; Oct. 7.
Crucifix or similar article. E. E. Cole. Des. 65,728; Oct. 7.
Cultivator. H. W. Morgan. 1,510,794; Oct. 7.
Cultivator. H. Petersen. 1,510,524; Oct. 7.
Current limiter. C. I. Hall. 1,511,075; Oct. 7.
Current meter. R. G. Manifold. 1,510,689; Oct. 7.
Curtain holder. T. S. Walt. 1,510,908; Oct. 7.
Curtain retainer. F. C. Havens. 1,511,125; Oct. 7.
Cutter: See—
Gear cutter.
Pipe cutter.
Cutter head. G. W. Russell. 1,510,962; Oct. 7.
Cutting device. H. C. Welles and G. L. Mather. 1,511,191; Oct. 7.
Cutting sheet material, Machine for. F. Duncan. 1,511,054; Oct. 7.
Cyanides, Making. I. S. Joseph. 1,510,891; Oct. 7.
Cycles, Side-wheel attachment for. J. S. Towers. 1,511,147; Oct. 7.
Decarbonizing compound. G. P. Young. 1,511,152; Oct. 7.
Dental clasp. H. Aderer. 1,511,096; Oct. 7.
Dental plate valve. A. H. R. Berthold. 1,510,538; Oct. 7.
Detachable bolt. W. F. Conklin. 1,510,978; Oct. 7.
Die for die casting. H. Rau. 1,510,902; Oct. 7.
Die protector. G. E. Northrop. 1,510,954; Oct. 7.
Die rolling mill for the manufacture of roll forgings. W. B. Cowles. Re15,823; Oct. 7.
Dimming reflector. W. J. Brown. 1,511,102; Oct. 7.
Direction indicator. F. Jess. 1,511,168; Oct. 7.
Direction signal. E. L. McCormick. 1,510,629; Oct. 7.
Dish, Relish. A. J. Bennett. Des. 65,721-2; Oct. 7.
Dispensing apparatus. F. C. Carr. 1,510,653; Oct. 7.
Dispensing tube, Collapsible. H. J. Berkley. 1,510,821; Oct. 7.
Display container, Three-face single-blank. E. Vieira. 1,510,670; Oct. 7.
Display receptacle. J. L. Canal. 1,510,763; Oct. 7.
Distillation device, Continuous. E. J. Vermeyen. 1,510,636; Oct. 7.
Distillation process, Destructive. P. S. Wilcox. 1,510,730; Oct. 7.
Documents, Identifying. H. S. Satterlee. 1,511,042; Oct. 7.
Doll. L. R. Byrd. Des. 65,726; Oct. 7.
Doll, Elastic. J. J. Lee. 1,510,554; Oct. 7.
Doll vanity bag. J. G. Rovira. 1,511,041; Oct. 7.
Door bumper, Adjustable. E. J. Connolly. 1,511,027; Oct. 7.
Doorcheck. M. E. Tate. 1,510,873; Oct. 7.
Door closer. A. Borchart. 1,511,020; Oct. 7.
Door-operating means. J. Schorr. 1,510,963; Oct. 7.
Door-operating mechanism, Automatic. B. R. Adkins and W. Y. Lewis. 1,511,012; Oct. 7.
Draft rigging. L. O. Bird. 1,510,824; Oct. 7.
Dressmaker's accessory. H. J. Coffin. 1,510,545; Oct. 7.
Drill bit, Rotary. C. S. Swaim. 1,510,871; Oct. 7.
Drill-bit shaper and sharpener. G. R. Watson. 1,510,726; Oct. 7.
Drill bits, Apparatus for shaping. G. R. Watson. 1,510,727; Oct. 7.
Drilling machine for tapping out the hot metal of furnaces and cupolas. J. E. Judy. Re15,928; Oct. 7.
Drilling machine, Multiple. G. Hey and F. G. Matravars. 1,511,164; Oct. 7.
Drumhead. S. M. Silverman. 1,510,867; Oct. 7.
Dumb-walter. L. H. Kiesling. 1,511,171; Oct. 7.
Dye, Pyrazolone. L. W. Geller. 1,511,074; Oct. 7.
Dyeing machines, Drive mechanism for. J. H. and D. M. Giles. 1,510,667; Oct. 7.
Educational appliance. F. W. Hart. 1,511,124; Oct. 7.
Egg-holding means. E. B. Petersen and J. J. Commons. 1,511,092; Oct. 7.
Egg tester, Electric. H. Dippel. 1,511,051; Oct. 7.
Electric brake. F. W. Borkes. 1,511,022; Oct. 7.
Electric conductor. R. Rudenberg. 1,510,558; Oct. 7.
Electric fixture. J. Cuthbert. 1,511,206; Oct. 7.
Electric heater. C. E. Patterson. 1,510,796; Oct. 7.
Electric-wire cleat. J. Levandofsky. 1,510,789; Oct. 7.
Electric wires, Detachable coupling for. W. T. Clark. 1,510,977; Oct. 7.
Electrical circuit transmitter. J. M. Diegel. 1,510,587; Oct. 7.
Electrical measurement. H. P. Hollnagel. 1,510,780; Oct. 7.
Electrical power transmission by radiation. A. J. Klock. 1,510,624; Oct. 7.
Electrical protective device. P. MacGahan. Re15,929; Oct. 7.
Electrically-driven device. J. J. Rieder and H. G. Hoelsy. 1,511,138; Oct. 7.
Electrode. C. L. Burdick. 1,510,541; Oct. 7.
Electrode, Accumulator. E. Varé. 1,510,617; Oct. 7.
Elevator-hatchway door lock. W. J. Wigmore. 1,510,578; Oct. 7.
Elevators and gates, Operating. D. L. Lindquist, C. Norton, C. F. Engle, N. S. Dickinson, and R. W. Scott. 1,511,083; Oct. 7.
Enamel composition. H. S. Cooper. 1,510,829; Oct. 7.

Engine: See—
 Internal-combustion engine.
 Engine cooler. A. P. Clark. 1,510,766; Oct. 7.
 Engine valve mechanism. C. R. Short. 1,511,203; Oct. 7.
 Engine valve mechanism. Supercharging internal-combustion. E. R. Burnett. 1,510,651; Oct. 7.
 Engines. Accelerator for combustion. W. S. Schuyler. 1,510,708; Oct. 7.
 Engines. Carburetor for internal-combustion. P. Morel. 1,510,708; Oct. 7.
 Engines. V. Duprat, and H. Elsenhardt. 1,511,134; Oct. 7.
 Engines. Cooling system for internal-combustion. F. E. Aseltine. 1,511,204; Oct. 7.
 Engines. Fuel feed for internal-combustion. G. M. Bicknell. 1,510,453; Oct. 7.
 Engines. Muffler for internal-combustion. L. J. Martel. 1,510,791; Oct. 7.
 Engines. Radiator for internal-combustion. W. C. Chapin and J. H. Pettie. 1,510,828; Oct. 7.
 Engines. Reverse gear for constant-pressure internal-combustion. P. A. Lawrence. 1,511,208; Oct. 7.
 Engines. Telltale attachment for explosion. J. H. Mount. 1,510,801; Oct. 7.
 Excavating machine. R. R. Downie. 1,511,114; Oct. 7.
 Explosive. Detonating or disruptive. F. Olsen. 1,510,535; Oct. 7.
 Fabrics. Ornamenting and proofing. L. J. Cavanaugh. 1,510,654; Oct. 7.
 Facial device. Z. Yachno. 1,510,879; Oct. 7.
 Faucet. Combination. J. T. Johnson. 1,511,080-1; Oct. 7.
 Faucet washer and attaching means. S. Hofmann. 1,510,846; Oct. 7.
 Feed device. T. B. Huestis. 1,510,673; Oct. 7.
 Feed regulator. M. F. Stein. 1,510,907; Oct. 7.
 Fence-wire fastener. R. C. Knopke. 1,510,680; Oct. 7.
 Fender: See—
 Safety fender.
 Figurehead. R. W. Adams. 1,511,044; Oct. 7.
 Film-spool holder. C. Bornmann. 1,511,158; Oct. 7.
 Filter. W. H. Rose. 1,510,863; Oct. 7.
 Filter. E. J. Sweetland. 1,510,568; Oct. 7.
 Finder light. C. J. Werner and J. H. Smart. 1,510,515; Oct. 7.
 Fire extinguisher. H. H. Boyce. 1,510,640; Oct. 7.
 Fire extinguisher. W. J. Hawkins. 1,510,843; Oct. 7.
 Fire extinguishers. Recording and indicating device for. J. B. Norton. 1,510,522; Oct. 7.
 Fishing reel. Spring-winding. S. G. Russell. 1,510,904; Oct. 7.
 Fishing rods. Reel seat for. W. Shakespeare, Jr. 1,510,906; Oct. 7.
 Fishing tool for deep-well auger stems. L. E. Nebergall. 1,511,061; Oct. 7.
 Flash light. E. R. Barany. 1,511,046; Oct. 7.
 Float for swimmers. R. C. Zorn. 1,510,532; Oct. 7.
 Floor jack. C. W. Cooper. 1,510,979; Oct. 7.
 Flooring and wall paneling. Parquet. E. S. Daniels and H. P. Schuck. 1,510,924; Oct. 7.
 Flooring. Machine for finishing. E. C. Dittmar. 1,510,465-7; Oct. 7.
 Flue shutter. E. G. McCullough. 1,510,906; Oct. 7.
 Fluid-dispensing machine. N. W. Hart. 1,510,832; Oct. 7.
 Food product. C. O. Phillips. 1,510,606; Oct. 7.
 Forge and bit heater. E. Green. 1,511,120; Oct. 7.
 Friction reverser. D. C. Klausmeyer. 1,510,623; Oct. 7.
 Fruit-peeling machine. J. Pichler. 1,511,137; Oct. 7.
 Fruit. Preserving. S. Katzprowsky. 1,510,679; Oct. 7.
 Fruit-stemming machine. D. Bahr. 1,510,578; Oct. 7.
 Fruit-treating apparatus. H. C. Ricketts. 1,511,007; Oct. 7.
 Fuel. Regulating combustion of. F. H. Brown. 1,510,758; Oct. 7.
 Fur-cleaning process. J. R. McCormick. 1,510,948; Oct. 7.
 Furnace: See—
 Pulverized-fuel-burning. Regenerative furnace.
 Furnace. V. Tanter. 1,510,510; Oct. 7.
 Furnace casing. Sectional. G. Harms and R. C. Walker. 1,510,673; Oct. 7.
 Furnaces. Damper control for. H. W. Neal. 1,511,000; Oct. 7.
 Game. H. M. Fridley. 1,510,839; Oct. 7.
 Game. D. T. McKinnon. 1,510,949; Oct. 7.
 Game. J. S. Wrinkle. 1,510,574; Oct. 7.
 Game board. L. A. Marsh. 1,510,998; Oct. 7.
 Game marker. H. Latz. 1,510,853; Oct. 7.
 Game of skill. F. Goldbach. 1,510,775; Oct. 7.
 Games. Apparatus for use in. J. S. Kruse. 1,510,626; Oct. 7.
 Garment hanger. A. Bartholdi. 1,510,915; Oct. 7.
 Gas burner. A. Visse. 1,511,180; Oct. 7.
 Gas compressor. R. E. English. 1,510,837; Oct. 7.
 Gas mixtures. Apparatus for liquefying and separating. R. Mewes. 1,510,793; Oct. 7.
 Gasoline price device. W. N. Ulmer. 1,511,193; Oct. 7.
 Gates. Closing and locking mechanism for fence. W. Houser. 1,510,993; Oct. 7.
 Gauge: See—
 Pressure gauge.
 Gear cutter. F. Hodgkinson. 1,511,077; Oct. 7.
 Gear wheel. Resilient. O. Kjelsberg. 1,510,943; Oct. 7.

Gears and apparatus therefor. Manufacture of. D. C. Hooker. 1,510,889; Oct. 7.
 Gearing. Toothed. F. Ljungström. 1,510,895; Oct. 7.
 Gems. Treatment of artificial. F. Sauvage. 1,511,140; Oct. 7.
 Gill-drawing frames. Faller cam for. W. Holdsworth. 1,510,550; Oct. 7.
 Gln compressa. Round-bale. S. H. Dunlap. 1,510,885; Oct. 7.
 Glass. F. M. Locke. 1,510,521; Oct. 7.
 Glass-cutting mechanism. A. P. Barker. 1,511,016; Oct. 7.
 Goggles. Motorist's. R. P. Jacobs and S. M. Winarski. 1,510,850; Oct. 7.
 Golf-club staff. E. H. Cosby. 1,510,384; Oct. 7.
 Golf tee. C. A. Rolfe. 1,510,705; Oct. 7.
 Grader. W. B. Quillen. 1,510,958; Oct. 7.
 Grass separator. A. Olmsted. 1,511,090; Oct. 7.
 Gravel. Apparatus for handling. H. G. Cordier. 1,510,546; Oct. 7.
 Gravel cleaner. J. Klepach. 1,510,682-4; Oct. 7.
 Grilliron. A. Ferrari. 1,510,547; Oct. 7.
 Grill. Electric. C. R. Steenrod. 1,510,870; Oct. 7.
 Grinder head. W. H. Jaeger. 1,511,165; Oct. 7.
 Grinding and polishing shoe. J. Carrie. 1,510,976; Oct. 7.
 Gun. Trap. W. E. Bahr. 1,510,971; Oct. 7.
 Guns or other apparatus. System for controlling at a distance. P. Kaminski. 1,510,553; Oct. 7.
 Hacking machine. C. E. Fuller. 1,510,886; Oct. 7.
 Hair-washing appliance. W. Faerber. 1,510,471; Oct. 7.
 Hair-waving tube. G. Lantier. 1,511,207; Oct. 7.
 Hanger: See—
 Clothes hanger. Garment hanger.
 Hay loader. O. T. Hoven. 1,510,479; Oct. 7.
 Headlamp. Vehicle. J. Waddicor, Jr. 1,510,724; Oct. 7.
 Headlight. Automobile. W. R. Du Breuil. 1,511,116-17; Oct. 7.
 Headlight. Automobile. W. E. Jory. 1,510,678; Oct. 7.
 Headlight-controlling means. R. G. Camblin. 1,511,105; Oct. 7.
 Headlight. Safety. T. Parker, J. C. Lawrence, and F. G. Dunn. 1,510,699; Oct. 7.
 Headlights. Attachment for tilting and revolving. C. H. Liddell. 1,510,947; Oct. 7.
 Heat-treatment apparatus. W. G. Perkins. 1,510,956; Oct. 7.
 Heater: See—
 Electric heater. Steam heater.
 Forge and bit heater. Water heater.
 Motor-exhaust heater. Well heater.
 Oil-well heater.
 Heating apparatus. G. A. Guenther. 1,510,475; Oct. 7.
 Heating unit. L. C. Soule. 1,510,808; Oct. 7.
 Heel. Shoe. J. B. Hanley. 1,510,841; Oct. 7.
 Hoe. Weeding and cultivating garden. M. Edel. 1,510,770; Oct. 7.
 Hook: See—
 Conveyor hook. Safety hook.
 Hook. G. F. Gauthier. 1,510,774; Oct. 7.
 Hot-water bottle and foot warmer. M. M. Dessau. 1,510,927; Oct. 7.
 Hydraulic jack. J. B. Dell. 1,510,462; Oct. 7.
 Hydrocarbon burner. J. Fiducia, sr. 1,511,118; Oct. 7.
 Ice-cream cone. L. Harlow. Des. 65,738; Oct. 7.
 Incense burner. B. M. Burnett. Des. 65,725; Oct. 7.
 Incubator. H. H. Charles. 1,510,460; Oct. 7.
 Index. Open-face slip. J. P. Norton. 1,511,062; Oct. 7.
 Index or file. R. D. Hayes. 1,510,844; Oct. 7.
 Indicator: See—
 Camera-extension indica- Loom weave-line indicator.
 tor. Parking indicator.
 Direction indicator.
 Inductance-coil mounting. L. G. Pacent. 1,510,859; Oct. 7.
 Ingot. Soft-center. J. J. Glynn. 1,510,887; Oct. 7.
 Injector. Water. J. Cauthery and J. W. Banks. 1,511,048; Oct. 7.
 Inner tube. H. C. Privett. 1,510,747; Oct. 7.
 Insert. W. E. White. 1,510,518; Oct. 7.
 Inserting machine. H. J. Schultz. 1,510,707; Oct. 7.
 Insole-toe-clip-molding machine. L. E. Whelpley. 1,510,573; Oct. 7.
 Intake passages. Automatic control for. T. Ganderton. 1,511,162; Oct. 7.
 Internal-combustion engine. A. T. Brown. 1,511,023; Oct. 7.
 Internal-combustion engine. E. R. Burnett. 1,510,650; Oct. 7.
 Internal-combustion engine. P. Hentschke. 1,510,620; Oct. 7.
 Internal-combustion engine. W. E. Jory. 1,510,677; Oct. 7.
 Internal-combustion engine. C. F. Ketterling. 1,511,201; Oct. 7.
 Internal-combustion engine. Two-stroke. R. Deacon. 1,511,112; Oct. 7.
 Iron: See—
 Cast iron.
 Iron alloy. Cast. H. Shikawa. 1,511,142; Oct. 7.
 Ironing board. H. C. Armstrong. 1,511,098; Oct. 7.
 Jack: See—
 Floor jack. Hydraulic jack.
 Jacking apparatus. J. Gutmann, Jr. 1,511,122; Oct. 7.

Jet-conveyer construction. L. Ellman. 1,510,928; Oct. 7.
 Jewelry box. S. Heller. Des. 65,742; Oct. 7.
 Jewelry box or similar article. J. B. Rogé. Des. 65,757; Oct. 7.
 Joint: See—
 Corner joint.
 Journal box for cutters. H. C. Geist. 1,510,840; Oct. 7.
 Kiln. Tunnel. J. B. Owens. 1,510,556; Oct. 7.
 Knife. Paring. J. Staerk. 1,510,711; Oct. 7.
 Knives. Paring attachment for. E. H. Mandler. 1,511,131; Oct. 7.
 Label holder. J. Cooke. 1,511,028; Oct. 7.
 Labeling machine. M. J. Hubbard. 1,510,552; Oct. 7.
 Lace. H. B. Barnum. Des. 65,719; Oct. 7.
 Lace tip. Shoe. H. G. Petersen. 1,510,605; Oct. 7.
 Ladder. H. Cordes. 1,510,461; Oct. 7.
 Lamp casing. Vehicle signal. G. W. Barricklow. Des. 65,720; Oct. 7.
 Lamp holder for caps. G. S. Clark. 1,511,108; Oct. 7.
 Lamp stem. Tipless. A. Brann. 1,510,540; Oct. 7.
 Lamps. Shade holder for incandescent. L. Simenowsky. 1,510,529; Oct. 7.
 Lath-pulling machine. W. A. Skinner. 1,510,869; Oct. 7.
 Lath. G. D. Sundstrand. 1,510,567; Oct. 7.
 Lath. Center-drive axle. W. E. Ward. 1,510,811; Oct. 7.
 Lath. Drill, and like machine. G. W. English. 1,510,771; Oct. 7.
 Leaf holder. Loose. A. Jodel. 1,510,621; Oct. 7.
 Lever. D. E. Ross. 1,510,501; Oct. 7.
 Life-saving device. H. E. Hodgson. 1,510,595; Oct. 7.
 Lifter: See—
 Automobile window lifter. Pan lifter.
 Light: See—
 Finder light. Flash light.
 Light system and board. Running. J. W. Haywood. 1,510,845; Oct. 7.
 Lights. Mounting for. J. O. Cadieux. 1,511,190; Oct. 7.
 Lighting fixture. M. Berkowitz. Des. 65,723; Oct. 7.
 Lighting fixture. M. M. Marks. 1,510,489; Oct. 7.
 Lighting-fixture part. M. Berkowitz. Des. 65,724; Oct. 7.
 Lighting system. Emergency. O. W. Althoff and L. S. Baluta. 1,511,097; Oct. 7.
 Lighting arrester. P. P. Williams. 1,510,731; Oct. 7.
 Lingerie clasp. A. M. Lassen. 1,510,944; Oct. 7.
 Link belting. H. A. House. 1,511,037; Oct. 7.
 Linotype machines. Main and auxiliary melting pot for. G. L. Curle. 1,510,659; Oct. 7.
 Liquid clarification. E. J. Sweetland. 1,510,809; Oct. 7.
 Liquid-dispensing apparatus. J. B. Davis. 1,510,981; Oct. 7.
 Loading machine. F. Miller. 1,511,060; Oct. 7.
 Lock: See—
 Automobile lock. Sheave lock.
 Combination lock. Wrist lock.
 Connecting lock.
 Elevator-hatchway door lock.
 Lock. S. Segal. 1,510,561; Oct. 7.
 Lock mechanism. J. Nutry. 1,510,632; Oct. 7.
 Locket. J. Costello. 1,511,109; Oct. 7.
 Locking bolt and nut. F. C. Whippley. Des. 65,925; Oct. 7.
 Locomotive. Electric. E. D. Priest. 1,511,064; Oct. 7.
 Loom. Cross-weaving. A. E. Stafford. 1,511,184; Oct. 7.
 Loom. Filling-replenishing. H. A. Davis. 1,511,183; Oct. 7.
 Loom shuttle cover. C. A. Richardson. 1,510,801; Oct. 7.
 Loom weave-line indicator. A. E. Ravenell. 1,511,065; Oct. 7.
 Looms. Bobbin-releasing device for. A. J. Chevrete. 1,510,765; Oct. 7.
 Looms. Feeler mechanism for. I. Snow. 1,511,181; Oct. 7.
 Looms. Feeler mechanism for. M. L. Stone. 1,511,182; Oct. 7.
 Looms. Let-off means for. A. J. Harris. 1,511,076; Oct. 7.
 Looms. Shuttle box for. H. A. Davis. 1,511,185; Oct. 7.
 Lubricating device. M. A. Tleck. 1,510,721; Oct. 7.
 Luggage carrier. W. N. Herrold. 1,510,478; Oct. 7.
 Luggage carrier. E. F. Pawsat. 1,510,604; Oct. 7.
 Magnet. Differential-control. W. W. Bucher. 1,510,455; Oct. 7.
 Magneto circuit breaker. E. B. Nowosielski. 1,510,901; Oct. 7.
 Magneto distributor and bearing therefor. A. D. T. Libby. 1,510,946; Oct. 7.
 Mail box. J. A. Johnson. 1,511,169; Oct. 7.
 Mail crane. G. W. Davis. 1,510,834; Oct. 7.
 Mat: See—
 Bathing mat.
 Match box. G. Martinez. 1,510,599; Oct. 7.
 Merry-go-round. I. W. Jones. 1,510,941; Oct. 7.
 Mesh bag. C. A. Whiting. Des. 65,763; Oct. 7.
 Message holder. F. H. Doerner. 1,510,769; Oct. 7.
 Metallic structural elements. Making. N. C. Rendleman. 1,510,702; Oct. 7.
 Metallic structural elements. Process and machine for making. N. C. Rendleman. 1,510,704; Oct. 7.
 Metals. Apparatus for uniting. L. S. Burgett. 1,511,189; Oct. 7.
 Metals. Uniting. J. B. Austin. 1,511,194; Oct. 7.
 Metals. Uniting. J. B. Austin. 1,511,196; Oct. 7.
 Meter: See—
 Current meter.
 Milling machine. G. D. Sundstrand. 1,510,566; Oct. 7.

Milling-machine knee. G. D. Sundstrand. 1,510,565; Oct. 7.
 Mine door. Car-operated. J. H. Miller. 1,510,600; Oct. 7.
 Mineral substances. Subterranean distillation of volatile. C. Clark. 1,510,656; Oct. 7.
 Mining machine. E. C. Morgan. 1,510,628; Oct. 7.
 Mining machine. M. W. Muehlhauser. 1,510,490; Oct. 7.
 Mirror support. L. S. Short. Des. 65,759; Oct. 7.
 Mold: See—
 Concrete mold.
 Molded articles and so forth from casein and the like. Production of. D. C. Polden. 1,511,003; Oct. 7.
 Mops. Making. W. Severns. 1,510,505; Oct. 7.
 Motion. Mechanical. N. H. Cederquist. 1,511,049; Oct. 7.
 Motor: See—
 Synchronous motor. Trigger motor.
 Motor and power-transmitter mechanism. Unitary. I. F. Webb. 1,510,728; Oct. 7.
 Motor cycle. W. S. Harley and A. Ziska, Jr. 1,510,937; Oct. 7.
 Motor-exhaust heater. A. E. Linendoll. 1,511,084; Oct. 7.
 Motors. Fluid-control means for. F. Pokorny. Des. 65,926; Oct. 7.
 Mower. Lawn. M. S. Ramsey. 1,511,040; Oct. 7.
 Mowing machines. Pitman connection for. F. Baker. 1,510,817; Oct. 7.
 Mudguard bracket. E. F. Pawsat. 1,510,603; Oct. 7.
 Multiple-way selector switch. F. H. Madsen. 1,510,488; Oct. 7.
 Musical instruments. Tone-amplifying apparatus for. F. C. Hammond. 1,510,476; Oct. 7.
 Nail-making machine. A. H. Brigham. 1,510,827; Oct. 7.
 Name plates. Device for securing. L. J. Fox. 1,510,664; Oct. 7.
 Needle. Art. W. K. Johnson and L. W. Fisher. 1,511,170; Oct. 7.
 Needle-repointing device. D. W. Causey. 1,510,764; Oct. 7.
 Negative glass and means for holding same. H. C. Boedeker. 1,510,646; Oct. 7.
 Nipple. Nursing. W. F. Ware. 1,510,571; Oct. 7.
 Nozzle. Double swinging faucet. O. S. Burman. 1,510,761; Oct. 7.
 Nut. L. G. Caron and T. J. Fuqua. 1,510,492; Oct. 7.
 Nut shells. Machine and process for opening. H. A. Wadell and S. A. Stalberg. 1,510,968; Oct. 7.
 Nuts. Machine for descaling. L. P. Anthony and R. W. Reynolds. 1,510,575; Oct. 7.
 Oil burner. B. C. Berg. 1,510,916; Oct. 7.
 Oil burner. E. C. Willis. 1,510,639; Oct. 7.
 Oil from oil-bearing strata. Process of and apparatus for extracting. W. L. Russell. 1,511,067; Oct. 7.
 Oil whales. Concentrating. S. H. Dolbear. 1,510,983; Oct. 7.
 Oil-well casings. Perforation cleaner for. A. L. Halliday. 1,510,669; Oct. 7.
 Oil-well heater. I. De Kaiser and A. G. Popcke. 1,510,925; Oct. 7.
 Oiling system. Individual crank-pin. B. Jerome. 1,511,200; Oct. 7.
 Opening and locking device for closures. J. Schorr. 1,510,964; Oct. 7.
 Oven structure. Recuperator coke. J. K. Munster. 1,510,857; Oct. 7.
 Packing for eggs and other fragile articles. L. Mann and M. Koppelman. 1,510,625; Oct. 7.
 Packing for pistons. Metallic. R. Allen. 1,510,816; Oct. 7.
 Padlock. J. B. Freysinger. 1,511,057; Oct. 7.
 Paint. Cement. S. B. Newberry. 1,510,795; Oct. 7.
 Paintbrush attachment. G. Ballard. 1,510,536; Oct. 7.
 Pan lifter. R. Hosking, Jr. 1,511,128; Oct. 7.
 Panel. Transparent. H. and J. P. Garner. 1,510,474; Oct. 7.
 Paper and making the same. Waxed wrapping. E. Frisch. 1,510,665; Oct. 7.
 Paper. Apparatus for handling piles of. J. White and W. Eckhard. 1,510,530; Oct. 7.
 Paper bags. Method of and machine for making. J. M. Sullivan. 1,511,043; Oct. 7.
 Paper. Means for handling rolls of. B. Stockfleth and F. W. Burger. 1,510,564; Oct. 7.
 Paper-pulp shredder. W. F. Hussey. 1,510,782; Oct. 7.
 Parachute. G. M. Ball. 1,511,154; Oct. 7.
 Parking indicator. Automatic. E. J. Skaer. 1,510,612; Oct. 7.
 Passenger register. E. Walker. 1,510,875; Oct. 7.
 Paste-tube collapse. H. E. Barron. 1,510,818; Oct. 7.
 Pencil. R. T. Bell. 1,510,618; Oct. 7.
 Pencil and fountain-pen construction. Combined. E. M. Slack. 1,510,613; Oct. 7.
 Pencils, erasers, and the like. Flexible holder for. C. Jesnig. 1,511,167; Oct. 7.
 Penholder for writing advertisements. J. Lauterbach. 1,510,627; Oct. 7.
 Perambulator. C. H. Twetten. 1,510,753; Oct. 7.
 Phase difference. Method of and means for determining. E. Merritt. 1,510,792; Oct. 7.
 Photograph-display cabinet. H. Roth. 1,510,502; Oct. 7.
 Photographic-printing machine. D. H. Stewart. 1,510,712; Oct. 7.
 Photographic-printing machine. R. L. Stinchfield. 1,510,715; Oct. 7.

Photographic-printing machine, Automatic. G. Rekers. 1,510,748; Oct. 7.
 Photographic shutter. R. Klein. 1,510,597; Oct. 7.
 Pianoforte keys and the like, Balance weight for. W. Flinmore. 1,510,663; Oct. 7.
 Pipe: See—
 Tobacco pipe.
 Pipe cleaner, Tobacco. F. Pfabe. 1,510,499; Oct. 7.
 Pipe coupling. N. M. Frazier. 1,510,888; Oct. 7.
 Pipe coupling. W. H. Fulton. 1,510,548; Oct. 7.
 Pipe cutter. M. Schang. 1,510,611; Oct. 7.
 Pipes, Extension device for breather. J. Nutry. 1,510,631; Oct. 7.
 Pipes, Joint protector for sewer. F. W. Lang. 1,510,483; Oct. 7.
 Piston. R. R. Hart. 1,510,778; Oct. 7.
 Piston for fluid-pressure engines. F. T. Burgess. 1,510,760; Oct. 7.
 Piston, Gas-engine. G. W. Moser. 1,511,135; Oct. 7.
 Piston rod. G. L. Kluefer. 1,510,685; Oct. 7.
 Plaster board and making same. G. H. Ellis. 1,510,662; Oct. 7.
 Plate or similar article. J. E. Goodwin. Des. 65,735; Oct. 7.
 Plowbeam. T. H. Hardman. 1,510,477; Oct. 7.
 Poison-applying device. G. N. Reeves. 1,511,066; Oct. 7.
 Postage-stamp holder. E. L. Harkins. 1,510,549; Oct. 7.
 Postal franking machines, Indicating and registering device applicable to. E. H. Kinnard. 1,510,622; Oct. 7.
 Power plant. A. La Fon. 1,510,688; Oct. 7.
 Press: See—
 Wax-seal press.
 Press. E. G. Strong. 1,510,718; Oct. 7.
 Press fixture. I. A. Weaver. 1,510,637; Oct. 7.
 Presses, Safety guard for machine. H. Doersam. 1,511,113; Oct. 7.
 Pressing machine. C. E. Waream and A. J. Dreher. 1,510,725; Oct. 7.
 Pressure distillation. R. J. Black. 1,510,918; Oct. 7.
 Pressure gauge. C. Johnson. 1,510,784; Oct. 7.
 Printer's quoin. H. H. Hancock. 1,510,670; Oct. 7.
 Printing machine. W. E. Verklar. 1,510,513; Oct. 7.
 Projectile. P. E. Paisley. 1,510,955; Oct. 7.
 Pulley. J. Brogden. 1,510,882; Oct. 7.
 Pulp from low-cost vegetable matter, Making fibrous. M. W. Marsden. 1,510,835; Oct. 7.
 Pulverized-fuel burner. L. H. Bergman. 1,510,645; Oct. 7.
 Pulverized-fuel-burning furnace. H. Kreislinger. 1,510,994; Oct. 7.
 Pulverizer. J. P. Weeks. 1,510,638; Oct. 7.
 Pulverizing and mill therefor. D. V. Sherban. Re15,930; Oct. 7.
 Pump. H. M. Crippen. 1,510,830; Oct. 7.
 Pump, Air-lift and air-driven rotary. H. H. Henderson. 1,510,990; Oct. 7.
 Pump-control lever with connections. Fuel. A. A. Asplund. 1,510,576; Oct. 7.
 Pump, Fluid-pressure. L. S. Doten. 1,510,884; Oct. 7.
 Pump, Rotary. F. A. Gillespie, C. Meyer, and H. B. Meade. 1,510,744; Oct. 7.
 Pumps, Controlling apparatus for air-pressure systems for. A. F. Habenicht. 1,511,034; Oct. 7.
 Punching machine. A. N. Dods. 1,511,052; Oct. 7.
 Pyorrhea, Composition of matter for the treatment of. K. Kamiya and T. H. Wakino. 1,510,785; Oct. 7.
 Rack: See—
 Towel rack.
 Radio coupler construction. C. Hermann. 1,511,127; Oct. 7.
 Radio receiving system. E. B. Lewis. 1,510,945; Oct. 7.
 Radio set cabinet. W. Zaiser. Des. 65,764; Oct. 7.
 Radiator. L. C. Soule. 1,510,807; Oct. 7.
 Radiator-cap device. M. D. Rathbun. 1,510,701; Oct. 7.
 Raft. Log. G. G. and M. J. Davis. 1,510,767; Oct. 7.
 Rail plate, Anticreeper. R. M. Lovelace. 1,510,894; Oct. 7.
 Railway-crossing safety appliance. G. T. Elliott. 1,510,589; Oct. 7.
 Railway fastener. A. McDicken. 1,510,602; Oct. 7.
 Railway signaling. L. V. Lewis. 1,510,486; Oct. 7.
 Railway sleepers without tamping. Bedding. H. Halter. 1,511,035; Oct. 7.
 Railway-track member and composition for producing the same. Composite. J. H. Critchett. 1,511,111; Oct. 7.
 Receptacle closure. L. R. N. Carvalho. 1,510,457-0; Oct. 7.
 Reel: See—
 Fishing reel. Tape reel.
 Reel. W. H. Sommer. 1,510,760; Oct. 7.
 Reinforcing chair. W. E. White. 1,510,517; Oct. 7.
 Refrigeration. P. H. Buch and H. M. Groff. 1,510,759; Oct. 7.
 Refuse cans, Lining for. B. H. Blank. 1,510,919; Oct. 7.
 Refuse or water receptacle. L. J. Hurdman. Des. 65,473; Oct. 7.
 Regenerative furnace. A. N. Diehl and S. G. Worton. 1,510,588; Oct. 7.
 Register: See—
 Passenger register.
 Regulator: See—
 Air-pressure regulator. Temperature regulator.
 Feed regulator.
 Repeater circuits. E. D. Johnson. 1,510,076; Oct. 7.
 Repeating method and system. A. M. Nicolson. 1,510,698; Oct. 7.
 Rivet. C. B. Stimpson. 1,510,713-14; Oct. 7.
 Road-maintenance machine. C. A. Gustafson. 1,511,033; Oct. 7.
 Roadway. H. S. Hunt. 1,510,849; Oct. 7.
 Roaster: See—
 Coffee roaster.
 Rod: See—
 Piston rod.
 Roofing device. C. L. Keller. 1,510,497; Oct. 7.
 Roofing fabrics, Fastening device for. L. T. Ayrault and J. Ayrault, Jr. 1,510,756; Oct. 7.
 Rope-making machine. M. Meyer. 1,510,691; Oct. 7.
 Rowing mechanism. S. A. Blasey. 1,510,454; Oct. 7.
 Rubber and products obtained thereby, Vulcanizing. S. M. Caldwell. 1,510,652; Oct. 7.
 Rubber, Reclaiming. J. H. Russell. 1,510,706; Oct. 7.
 Rudder. J. J. Toner. 1,511,146; Oct. 7.
 Rug. A. H. Waldo. Des. 65,762; Oct. 7.
 Safety clip. W. Berndt. 1,510,822; Oct. 7.
 Safety fender. W. J. Moore. 1,511,038; Oct. 7.
 Safety hook. R. F. George. 1,510,933; Oct. 7.
 Sample holder. F. A. Braxton. 1,510,619; Oct. 7.
 Sand and gravel screen. C. T. Gutleben. 1,510,742; Oct. 7.
 Sand-blasting apparatus. G. W. Christoph. 1,511,025; Oct. 7.
 Saturating apparatus. G. Ritter. 1,511,187; Oct. 7.
 Scoops, Latch mechanism for dumping. R. R. Downie. 1,511,115; Oct. 7.
 Scooter. H. O. Wilson. 1,511,151; Oct. 7.
 Scooters, Hand propelling means for. W. F. Cushing, sr., and T. A. Bailey. 1,510,585; Oct. 7.
 Scraper for walks. P. Gampher. 1,511,073; Oct. 7.
 Screen: See—
 Sand and gravel screen.
 Screw driver. H. J. Harrold. 1,510,593; Oct. 7.
 Sea station. E. R. Armstrong. 1,511,153; Oct. 7.
 Seal. J. P. Dugan and C. O. Dugan, Jr. 1,510,468; Oct. 7.
 Seat: See—
 Toilet seat. Vehicle seat.
 Seat back, Adjustable. A. M. Nadell and V. Beauregard. 1,510,858; Oct. 7.
 Selective controlling mechanism. C. F. Marston. 1,511,132; Oct. 7.
 Self starter. F. Johnston. 1,511,082; Oct. 7.
 Separator: See—
 Grass separator.
 Sewing machine. D. S. Seymour. 1,510,633; Oct. 7.
 Shaft lining. C. F. Sherwood. 1,510,804; Oct. 7.
 Sheave lock. H. C. Dindinger. 1,511,030; Oct. 7.
 Sheet-handling mechanism. H. M. Barber. 1,510,914; Oct. 7.
 Shell or cartridge case. F. A. Fahrenwald. 1,510,590; Oct. 7.
 Shingle, Metal. P. S. Torrence. 1,510,614; Oct. 7.
 Shingle, Interlocking. H. Abraham. 1,510,534-5; Oct. 7.
 Shingles, Interlocking strip. H. Abraham. 1,510,533; Oct. 7.
 Ships, Emergency apparatus for damaged. R. Blumberg. 1,511,155; Oct. 7.
 Shoe for preventing and relieving flattened arches. F. Hunter. 1,510,890; Oct. 7.
 Shoes, Making. L. E. Topham. 1,510,723; Oct. 7.
 Shovel: See—
 Snow shovel.
 Shovel and ash sifter, Combined. J. O. Ball. 1,510,757; Oct. 7.
 Shuttle, Automatically-threading. E. S. Stimpson. 1,511,069; Oct. 7.
 Signal: See—
 Automobile signal. Direction signal.
 Automobile direction sig-
 nal.
 Signal apparatus. E. C. Allen. 1,510,912; Oct. 7.
 Signal device. S. L. Sisti. 1,510,960; Oct. 7.
 Silicates, Regenerating base-exchange. T. R. Duggan. 1,510,460; Oct. 7.
 Silk tube and spindle retainer, Combined. L. A. Cadoret. 1,511,104; Oct. 7.
 Sink. T. Babin. 1,510,970; Oct. 7.
 Sink-drain stop. J. G. Binder. 1,511,018; Oct. 7.
 Sink-drain water stop. J. G. Binder. 1,511,017; Oct. 7.
 Sinks, Stop device for. C. Breer. 1,510,826; Oct. 7.
 Sleigh. O. Schultz, Jr. 1,510,560; Oct. 7.
 Snow shovel, Automatic. C. W. Baumann. 1,511,072; Oct. 7.
 Soap-stick holder. F. Grant. 1,510,934; Oct. 7.
 Sole, Shoe. C. Kuhn. Des. 65,744; Oct. 7.
 Sound reproduction, Resilient composition for mounting tympana or diaphragms for. F. A. E. Jenkins. 1,511,166; Oct. 7.
 Spark-gap apparatus. Rotary. E. G. Danielson. 1,510,741; Oct. 7.
 Spark plug and making the same. A. Champion and L. Blackmore. 1,511,199; Oct. 7.
 Spark-plug-cleaning device. M. A. Capobianco. 1,511,106; Oct. 7.
 Spark-plug-locking device. J. Padden. 1,511,001; Oct. 7.
 Spark plugs, Machine for assembling. H. Rabezzana. 1,511,202; Oct. 7.

Spectacle frames, Tubular article for. W. P. Devine. 1,510,463; Oct. 7.
 Speed controller. A. G. Shaver. 1,510,803; Oct. 7.
 Speedometer. J. Berge. 1,511,198; Oct. 7.
 Spring mounting. Shock. R. S. Trott. 1,510,751; Oct. 7.
 Spring pitman. W. McCarty. 1,511,173; Oct. 7.
 Spring suspension. R. S. Trott. 1,510,752; Oct. 7.
 Spring teeter. H. M. Sykes. 1,510,719; Oct. 7.
 Spring wheel. N. C. Blake. 1,510,579; Oct. 7.
 Spring wheel. T. H. Matheson. 1,511,133; Oct. 7.
 Sprinkling device. H. H. Enell. 1,510,930; Oct. 7.
 Stamp or cabinet case. T. H. Eubank. 1,510,772; Oct. 7.
 Stand: See—
 Casket stand.
 Steam heater, Portable. C. M. Myers. 1,510,695; Oct. 7.
 Steam injector, Exhaust. R. D. and J. C. Metcalfe. 1,510,909; Oct. 7.
 Steam superheater. J. G. Robinson and R. A. Thom. 1,510,862; Oct. 7.
 Steel-joint manufacture. H. M. Naugle and A. J. Townsend. 1,510,606-7; Oct. 7.
 Steelyards, Poise weight of. C. M. Sykes. 1,511,177; Oct. 7.
 Steering-wheel rim. C. W. Beck. 1,510,881; Oct. 7.
 Stereoscope. W. P. Dun Lany and S. G. Wood. 1,510,470; Oct. 7.
 Sterilizer. P. H. Rylander. 1,510,610; Oct. 7.
 Stones, Attachment for gas. E. A. Hornbostel. 1,511,078; Oct. 7.
 Stoves, Water-cooled liquid-fuel feeder for. E. D. Lewis. 1,510,854; Oct. 7.
 Strainer. W. B. Willis. 1,510,910; Oct. 7.
 Strip-cutting attachment. E. E. Clements. 1,510,656; Oct. 7.
 Structural-element manufacture. N. C. Rendleman. 1,511,186; Oct. 7.
 Structural elements, Making. N. C. Rendleman. 1,510,703; Oct. 7.
 Sugar receptacle. W. Sperling. 1,510,710; Oct. 7.
 Sweatband for hats. H. D. Kramer. 1,510,482; Oct. 7.
 Sweeper, Street. A. W. Aitken. 1,510,880; Oct. 7.
 Swimming jacket. H. A. Prescott. 1,511,006; Oct. 7.
 Swing hook. V. Gareffa. Des. 65,730; Oct. 7.
 Switch: See—
 Multiple-way selector switch.
 Switch-control device. H. M. Whiting. 1,510,909; Oct. 7.
 Synchronous motor, Self-starting. H. E. Warren. 1,511,071; Oct. 7.
 Table mat. F. H. Stanwood. Des. 65,760; Oct. 7.
 Tank: See—
 Water tank.
 Tank-vehicle safety mechanism. A. L. Betts. 1,510,582; Oct. 7.
 Tape reel. W. L. E. Keuffel. 1,510,852; Oct. 7.
 Teeth, Making sets of artificial. J. M. Buchanan. 1,511,161; Oct. 7.
 Telephone pay station. G. A. Long. 1,510,893; Oct. 7.
 Telescope. A. Wollensak. 1,510,732; Oct. 7.
 Temperature regulator. E. F. Collins and A. N. Otis. 1,511,050; Oct. 7.
 Tensoning device, Adjustable. A. Cleven. 1,511,026; Oct. 7.
 Textile fabric. B. Groman. Des. 65,736-7; Oct. 7.
 Textile fabric. B. Nathan. Des. 65,750; Oct. 7.
 Textile fabric or similar article. E. I. Golding. Des. 65,733-4; Oct. 7.
 Thrashing machine. G. F. Conner. 1,510,658; Oct. 7.
 Thread cups or balls, Holder for. J. M. Powers. 1,511,005; Oct. 7.
 Threading machines, Oiling device for. A. F. Thorsten. 1,511,144; Oct. 7.
 Tie: See—
 Wire-fence tie.
 Tie cord for containers. H. Derman. 1,511,029; Oct. 7.
 Tile lever. T. M. Farnsworth. 1,510,773; Oct. 7.
 Timepiece. H. Colomb. 1,510,883; Oct. 7.
 Timer. E. Schneider and J. Gorman. 1,510,559; Oct. 7.
 Tire and rim construction, Pneumatic. A. H. Shoe-maker. 1,510,709; Oct. 7.
 Tire-bead rings, Method of and apparatus for coating and drying. H. F. Maranville. 1,511,059; Oct. 7.
 Tire-chain tool. W. W. Murphy. 1,510,953; Oct. 7.
 Tire, Vehicle. O. Ribarsch. 1,511,175; Oct. 7.
 Tobacco pipe. W. R. Dales. 1,510,833; Oct. 7.
 Toe plate for running boards. E. Lacroix and E. A. Loomis. Des. 65,745-8; Oct. 7.
 Toilet seat, Adjustable. F. B. Dillard. 1,510,493; Oct. 7.
 Tool, Combination. F. G. Gurley. 1,510,495; Oct. 7.
 Tools, Extension table for machine. E. S. Scott, R. A. Millar, and W. C. Fellows. 1,511,141; Oct. 7.
 Torpedo. S. B. Macfarlane and L. J. Barry. 1,510,487; Oct. 7.
 Towel rack. J. N. Borroughs. 1,510,648; Oct. 7.
 Tower corner construction. R. F. Tison. 1,511,145; Oct. 7.
 Toy circus wagon. J. H. Hartman. Des. 65,739-41; Oct. 7.
 Toy, Figure. J. Costello. 1,511,110; Oct. 7.
 Toy, Figure. A. M. Smolens. 1,510,507; Oct. 7.
 Toy garden. A. M. Rueppel. Des. 65,758; Oct. 7.
 Toy horse. J. Agell. Des. 65,717; Oct. 7.
 Toy vehicle. B. E. Hervey. 1,510,888; Oct. 7.
 Trace carrier. W. F. Ramige. 1,511,174; Oct. 7.
 Traction device, Multipedal. J. C. French. 1,510,988; Oct. 7.
 Tractor. C. E. Boring. 1,511,021; Oct. 7.
 Tractor steering mechanisms, Aligning device for. O. H. Perry. 1,510,957; Oct. 7.
 Train control, Governor mechanism for automatic. W. M. Beck. 1,510,644; Oct. 7.
 Train-control system, Automatic. W. K. Howe. 1,510,496; Oct. 7.
 Train stop, Signal-control. C. D. Smith. 1,510,506; Oct. 7.
 Transmission-band lining. W. H. Hell. 1,511,126; Oct. 7.
 Transmission-drum band. R. Bousquet. 1,510,825; Oct. 7.
 Transmission mechanism. J. F. Bolgiano. 1,511,156; Oct. 7.
 Transmission regulation. H. A. Affel. 1,511,014-15; Oct. 7.
 Transmission regulation. L. Espenschied. 1,510,985; Oct. 7.
 Transmissions, Equalization of carrier. H. A. Affel. 1,511,013; Oct. 7.
 Trap: See—
 Animal trap. Weasel trap.
 Trigger motor. H. O. Russell and C. L. Paulus. 1,511,176; Oct. 7.
 Truck. K. Cadwalader. 1,510,456; Oct. 7.
 Truck, Dump. E. A. Busacker. 1,510,762; Oct. 7.
 Truck, Locomotive. J. G. Blunt. 1,510,539; Oct. 7.
 Truck, Trailer. A. B. Cadman. 1,510,543; Oct. 7.
 Tube: See—
 Dispensing tube. Inner tube.
 Hair-waving tube.
 Tube-drawing plug. J. H. O'Rourke. 1,511,091; Oct. 7.
 Tube machine. J. F. Gall. 1,510,932; Oct. 7.
 Tubes, Holder for collapsible. A. G. Hubbard. 1,510,848; Oct. 7.
 Tubes, Machine for forming metal. L. D. Davis. 1,510,586; Oct. 7.
 Turbine runner, Hydraulic. O. C. Goeriz. 1,511,032; Oct. 7.
 Turned articles, Machine for finishing the ends of. G. W. Duchemin. 1,511,053; Oct. 7.
 Typewriting machine. M. Pfau. 1,510,797; Oct. 7.
 Typewriting machine. G. A. Seib. 1,510,563; Oct. 7.
 Typographic machines, Casting and trimming mechanism for. F. W. Letsch. 1,510,788; Oct. 7.
 Typographic mold. F. H. Pierpont and J. E. Tipton. 1,511,095; Oct. 7.
 Typographic molds, Low-quad-operating mechanism for. F. H. Pierpont. 1,511,094; Oct. 7.
 Umbrella runner and tip cup. J. Rose. 1,510,961; Oct. 7.
 Uppers over lasts, Machine for working. A. E. Jerran and J. Gouldbourn. 1,510,851; Oct. 7.
 Urine conductor. T. Behan. 1,510,973; Oct. 7.
 Valve. P. Berdar. 1,510,820; Oct. 7.
 Valve. F. A. Sebenate. 1,510,528; Oct. 7.
 Valve and its application to various forms of radiators, Automatic drainage. C. C. Peck. 1,510,860; Oct. 7.
 Valve-cage remover. J. M. Harrub and H. N. Tyson. 1,510,777; Oct. 7.
 Valve cap. H. P. Kraft. 1,510,687; Oct. 7.
 Valve, Check. M. Smolensky. 1,510,967; Oct. 7.
 Valve, Drifting. H. P. Letart. 1,510,787; Oct. 7.
 Valve, Flushing. F. A. Schossow. 1,510,865; Oct. 7.
 Valve, Flushing. H. A. Spear. 1,511,009; Oct. 7.
 Valve for pipe fittings, Shut-off. E. W. Williams. 1,510,813; Oct. 7.
 Valve grinder. J. Crowe. 1,510,831; Oct. 7.
 Valve, Metering. P. L. Scott. 1,510,802; Oct. 7.
 Valve, Mixing. C. G. Holt. 1,510,991; Oct. 7.
 Valve, Registering. C. S. Munro. 1,510,856; Oct. 7.
 Valve, Safety. J. C. Sullivan. 1,511,143; Oct. 7.
 Valve-spring compressor. W. C. Burrows. 1,510,542; Oct. 7.
 Valve structure, Gas-well. H. Rush. 1,510,609; Oct. 7.
 Valve-truing device. A. L. Weinert, Jr., and F. Tuka. 1,510,812; Oct. 7.
 Valves, Device for operating. A. A. Asplund. 1,510,577; Oct. 7.
 Variometer. R. L. Walker. 1,510,876; Oct. 7.
 Vehicle body. J. McArthur. 1,511,172; Oct. 7.
 Vehicle, Child's. E. J. Baisden. 1,510,491; Oct. 7.
 Vehicle seat. E. G. Watrous. 1,510,969; Oct. 7.
 Vehicle signaling apparatus. W. M. Rolph. 1,510,500; Oct. 7.
 Vehicle wheels, Driving and steering mechanism for. H. H. Marker. 1,510,690; Oct. 7.
 Vehicles and other structures, Folding top for. J. H. Cloves. 1,510,922; Oct. 7.
 Vehicles, Direction indicator for motor. H. Holwager. 1,510,781; Oct. 7.
 Vehicles, Safety guard for the fronts of. R. McIntyre. 1,511,086; Oct. 7.
 Vehicles, Safety guard for the rear wheels of. R. McIntyre. 1,511,085; Oct. 7.
 Vehicles, Windscreen for road. G. H. Ransom. 1,510,608; Oct. 7.
 Vending machine. J. Nemo. 1,511,136; Oct. 7.
 Vending machine. G. E. Norris. 1,510,900; Oct. 7.

Vending machines, Liquid. W. J. Wyatt and C. O. Reed. 1,510,642; Oct. 7.
 Viola bridge. E. D. Dennis. 1,510,982; Oct. 7.
 Viscose and similar solutions of cellulose, Purifying solutions of. J. R. N. van Kregten. 1,510,810; Oct. 7.
 Vulcanization apparatus. H. F. Freeman. 1,510,987; Oct. 7.
 Wagon box, Rodless. L. Poe. 1,510,798; Oct. 7.
 Wall. E. J. Frewen. 1,510,473; Oct. 7.
 Wall, Air-cooled. H. J. Kerr. 1,510,680; Oct. 7.
 Wardrobe. E. M. Cooke. 1,511,179; Oct. 7.
 Wardrobe. J. H. Tallman. 1,511,179; Oct. 7.
 Wardrobe, Suitcase. W. G. Brown. 1,510,736; Oct. 7.
 Washing tool. A. Boynton. 1,510,581; Oct. 7.
 Watchman, patrol and fire-alarm transmitter, Combination. J. D. Nelson. 1,510,897; Oct. 7.
 Water from nitrocellulose fibers, Removing. R. W. Cook. 1,510,739; Oct. 7.
 Water heater. J. E. Ercanbrack. 1,511,056; Oct. 7.
 Water heaters, Water valve for instantaneous. C. O. Scholz. 1,510,801; Oct. 7.
 Water tank. H. R. Straight. 1,510,716; Oct. 7.
 Water wheel. W. E. Damon. 1,510,740; Oct. 7.
 Wax-seal press. H. Hellberg. 1,510,594; Oct. 7.
 Waxer and polishes, Floor. J. W. Willis. 1,511,150; Oct. 7.
 Weasel trap. C. F. Hart. 1,511,123; Oct. 7.
 Weight-indicating mechanism, Automatic. C. M. Sykes. 1,511,178; Oct. 7.
 Well cap. Oil. H. Leslie. 1,511,205; Oct. 7.
 Well heater, Subterranean. I. De Kaiser and A. G. Popeke. 1,510,926; Oct. 7.

Wheel: See—
 Gear wheel. Water wheel.
 Spring wheel.
 Wheel retainer. W. K. McNeill. 1,511,130; Oct. 7.
 Wheels having worn treads and flanges, Method and means for re-forming. C. G. Barth. 1,510,819; Oct. 7.
 Wheels, Tool for manipulating split rims for vehicle. W. Barclay. 1,510,537; Oct. 7.
 Window-cleaning support. H. Fischer. 1,510,931; Oct. 7.
 Window-sash adjuster, Casement. R. C. Spencer, Jr. 1,511,010; Oct. 7.
 Window-sliding device. J. B. Mallmanek. 1,511,088; Oct. 7.
 Window-washing device. V. E. Ellis. 1,511,031; Oct. 7.
 Windshield. L. R. Emde and A. P. Bamford. 1,510,929; Oct. 7.
 Windshield cleaner or wiper. G. I. Stadeker. 1,510,509; Oct. 7.
 Windshield, Heated. F. A. Henly. 1,510,938; Oct. 7.
 Wire about glass or lenses, Tool for applying and tensioning. G. P. Herrick. 1,510,674; Oct. 7.
 Wire-fence tie. P. T. Bailey. 1,511,099; Oct. 7.
 Wireless repeater system. E. A. Sperry. Re15,924; Oct. 7.
 Wireworking apparatus. J. Prutscher. 1,510,525; Oct. 7.
 Wrench: See—
 Adjustable wrench.
 Wringer. B. A. Walker. 1,511,070; Oct. 7.
 Wringers, Safety release for. P. J. and W. E. Maloney. 1,510,907; Oct. 7.
 Wrist lock. A. H. Griffin. 1,511,121; Oct. 7.
 Wrist support. C. H. Wiedenmann. 1,510,877; Oct. 7.
 Writing-utensil holder. I. R. Smith. 1,510,805; Oct. 7.

CLASSIFICATION OF PATENTS

OCTOBER 7, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

2—	2: 1,510,783	33—	46: 1,510,975	68—	10: 1,511,098	91—	46: 1,511,050	121—	137: 1,510,787	158—	11: 1,511,120
	14: 1,510,850		172: 1,510,819		32: 1,510,997		1,511,187		20: 1,511,056		36: 1,510,453
	182: 1,510,482		5: 1,510,969		1,511,070		68: 1,510,654		462: 1,510,862		1,510,854
	185: 1,511,129		9: 1,510,693		1,510,700		70.3: 1,511,063		41: 1,511,208		1,511,134
4—	53: 1,510,865		12: 1,510,615		1,510,635	92—	5: 1,510,855	123—	69: 1,511,112		1,511,163
	110: 1,510,973	36—	38: 1,510,841		1,511,119		20: 1,510,782		70: 1,510,620	73: 1,510,916	
	159: 1,510,471		76: 1,510,890		27: 1,510,632	93—	18: 1,511,043		74: 1,510,639	74: 1,510,639	
	185: 1,510,647		44: 1,511,072		54: 1,511,148		55: 1,511,068		79: 1,510,650	75: 1,511,118	
	187: 1,510,970		53: 1,511,073		74: 1,510,561	94—	8: 1,510,516		90: 1,510,651	76: 1,511,019	
	200: 1,510,826		124: 1,510,824		90: 1,510,823		12: 1,510,849		90: 1,511,203	77: 1,511,180	
	237: 1,510,493		156: 1,511,033		108: 1,511,057	95—	5: 1,510,738		128: 1,511,204	99: 1,510,612	
	287: 1,511,017		177: 1,510,958		39: 1,510,473		1: 1,511,042		139: 1,510,570	101—	15: 1,510,612
	1,511,018		39: 6: 1,510,589		105: 1,510,618		31: 1,511,157		149: 1,510,946	102—	1: 1,510,999
5—	1: 1,511,079		40—	2.2: 1,511,149	122: 1,510,617		46: 1,510,722		171: 1,510,766		1,511,048
	190: 1,510,592		10: 1,511,093		167: 1,510,689		62: 1,510,597		193: 1,511,201	104—	6.6: 1,510,696
7—	13: 1,510,495		16: 1,511,028		5: 1,510,501	74—	73: 1,510,646		197: 1,510,697		1,510,702
8—	19: 1,510,667		1,511,193		17: 1,510,685		1,510,712		198: 1,511,001		68: 1,511,054
9—	8: 1,510,595		19.5: 1,510,494		29: 1,510,943		1,510,715		114: 1,510,673	69: 1,511,191	
	16: 1,510,767		20: 1,510,664		33: 1,510,881		1,510,748		214: 1,511,045	70: 1,510,656	
	21: 1,510,532		36: 1,510,502		1,510,967		1,510,755		215: 1,511,078	73: 1,510,754	
	1,511,006		78: 1,510,464		39: 1,511,132		1,510,881		272: 1,510,544	90: 1,511,052	
10—	35: 1,510,627		102: 1,511,062		40: 1,511,040		1,510,885		286: 1,511,000	108: 1,510,718	
	95: 1,510,962		125: 1,510,671		41: 1,510,895		1,510,885		319: 1,510,996	166—	1: 1,511,067
	126: 1,511,144		1,510,672		48: 1,511,173		1,510,885		48: 1,510,809	1: 1,510,609	
12—	4: 1,510,881		1,510,932		58: 1,511,156		1,510,885		151: 1,510,524	15: 1,511,205	
	17: 1,510,723	41—	26: 1,510,665		59: 1,510,623		1,510,885		197: 1,510,477	17: 1,510,925	
	142: 1,510,723	42—	1: 1,510,971		64: 1,511,037		1,510,885		1,510,621	20: 1,510,926	
15—	84: 1,510,880	43—	22: 1,510,906		78: 1,510,467		1,510,885		16: 1,510,621	20: 1,510,581	
	248: 1,510,536		36: 1,510,774		81: 1,510,708		1,510,885		27: 1,510,658	1,510,669	
	251: 1,511,031		46: 1,510,923		105: 1,511,113		1,510,885		12: 1,510,658	9: 1,510,785	
	255: 1,510,509		81: 1,511,122		108: 1,510,760		1,510,885		13: 1,510,499	26: 1,510,649	
16—	72: 1,511,020		124: 1,510,610		1,510,778		1,510,885		21: 1,510,869	28: 1,510,843	
	83: 1,510,573	45—	24: 1,510,503		1,511,135		1,510,885		37: 1,510,734	171—	119: 1,510,859
	86: 1,511,027		32: 1,510,648		1,511,135		1,510,885		91: 1,510,864	1,511,127	
	201: 1,511,088		37: 1,510,583		109: 1,510,816		1,510,885		244: 1,510,513	11: 1,510,511	
	5: 1,510,835		38: 1,510,596		1: 1,511,142		1,510,885		409: 1,510,914	36: 1,511,207	
	17: 1,510,987		137: 1,511,179		4: 1,510,705		1,510,885		16: 1,510,590	79: 1,510,512	
	47.5: 1,511,003	46—	22: 1,510,719		5: 1,510,727		1,510,885		28: 1,510,955	120: 1,511,071	
	50: 1,510,652		27: 1,510,941		95: 1,510,726		1,510,885		58: 1,510,990	312: 1,510,789	
	51: 1,510,779		35: 1,511,124		18: 1,510,771		1,510,885		55: 1,510,744	328: 1,510,977	
	52: 1,510,708		40: 1,510,507		22: 1,511,164		1,510,885		225: 1,510,830	30: 1,510,731	
19—	129: 1,510,550		1,510,554		32: R. 15,928		1,510,885		232: 1,510,864	188: 1,510,601	
	10.5: 1,511,145		1,511,044		48: 1,510,637		1,510,885		245: 1,511,034	299: R. 15,929	
20—	71: 1,510,931		1,511,110		103: 1,511,091		1,510,885		1,511,143	337: 1,510,455	
	75: 1,510,924		41: 1,510,574		11: 1,510,586		1,510,885		167: 1,511,011	36: 1,510,540	
	80: 1,510,659		48: 1,510,768		28: R. 15,923		1,510,885		197: 1,510,539	311: 1,510,845	
	100: 1,510,902		55: 1,510,584		60: 1,511,186		1,510,885		341: 1,511,012	339: 1,510,912	
	116: 1,511,189		56: 1,510,995		66: 1,510,703		1,510,885		36.1: 1,510,621	351: 1,510,553	
	201: 1,510,887		57: 1,510,626		103: 1,510,634		1,510,885		39: 1,511,166	364: 1,510,897	
23—	13: 1,510,469		61: 1,510,775		192: 1,510,611		1,510,885		36.2: 1,510,829	369: 1,510,587	
	28: 1,510,598		65: 1,510,940		1: 1,510,812		1,510,885		39: 1,511,166	380: 1,511,069	
	3: 1,510,822		66: 1,510,720		2: 1,510,567		1,510,885		8: 1,510,940	44: 1,510,985	
	24: 1,510,960		71: 1,511,139		8: 1,510,811		1,510,885		8: 1,510,533	1,511,013	
	55: 1,510,895		180: 1,510,836		9: R. 15,930		1,510,885		1,510,534	1,511,014	
	90: 1,510,944		48: 1,510,616		56: 1,510,546		1,510,885		1,510,535	1,511,015	
	101: 1,510,572		49: 1,511,016		60: 1,510,757		1,510,885		17: 1,510,614	179—	1: 1,510,476
	132: 1,510,921		51—	8: 1,511,025	67: 1,510,733		1,510,885		33: 1,510,497	170: 1,510,676	
	143: 1,510,605		83: 1,510,764		89: 1,510,682		1,510,885		1,510,756	1,510,698	
	147: 1,510,933		105: 1,510,831		1,510,683		1,510,885		28: 1,510,994	20: 1,511,021	
	191: 1,510,643		120: 1,510,976		1,510,684		1,510,885		67: 1,510,680	33: 1,510,937	
	230.5: 1,511,002		206: 1,511,165		92: 1,510,633		1,510,885		104: 1,510,645	43: 1,510,569	
	241: 1,510,692		18: 1,510,555		309: 1,510,982		1,510,885		80: 1,511,170	44: 1,510,690	
25—	42: 1,510,662		53—	3: 1,510,547	438: 1,510,663		1,510,885		203: 1,510,633	6: 1,510,935	
	131: 1,511,087		54—	56: 1,511,174	45: 1,511,146		1,510,885		0.5: 1,511,153	61: 1,510,911	
	142: 1,510,556		55—	107: 1,510,452	229: 1,511,155		1,510,885		45: 1,510,504	3: 1,510,721	
	14: 1,511,036		56—	22: 1,511,024	33: 1,510,978		1,510,885		24: 1,510,454	6: 1,511,200	
	17: 1,510,623		58—	2: 1,511,040	37: 1,510,713		1,510,885		2: 1,510,666	41: 1,511,082	
	20: 1,510,674		59—	14: 1,511,036	38: 1,510,714		1,510,885		43: 1,511,168	29: 1,511,083	
	84: 1,511,202		60—	16: 1,510,577	8: 1,510,948		1,510,885		50: 1,510,781	31: 1,510,878	
26.3: 1,510,542			62—	122: 1,510,793	17: 1,510,629		1,510,885		51: 1,510,629	4: 1,510,746	
	88.2: 1,510,866		63—	178: 1,510,759	1,510,591		1,510,885		52: 1,510,966	8: 1,510,560	
	155.5: 1,511,199		64—	32: 1,511,140	16: 1,510,591		1,510,885		53: 1,510,974	64: 1,511,030	
	159: 1,510,889			17: 1,510,882	24: 1,510,942		1,510,885		114: 1,510,622	174: 1,511,022	
	180: 1,510,745			22: 1,510,806	29: 1,510,470		1,510,885		9: 1,510,691	259: 1,510,825	
	9: 1,510,711			24: 1,510,804	32: 1,510,732		1,510,885		17: 1,510,658	1,511,126	
	20: 1,511,131			39: 1,510,920	47: 1,510,463		1,510,885		35: 1,510,400	36: 1,510,519	
31—	38: 1,510,800			47: 1,510,814	58: 1,511,141		1,510,885		72: 1,510,716	13: 1,510,736	
32—	4: 1,510,538			65: 1,510,641	90—	3: 1,511,176	1,510,885		99: 1,510,832	51: 1,510,815	

CLASSIFICATION OF PATENTS.

196— 62: 1,510,918	211— 13: 1,510,737	226— 38: 1,510,631	240— 148: 1,510,529	255— 61: 1,510,871	280— 31: 1,510,753
197— 186: 1,510,563	14: 1,510,915	81: 1,510,913	241— 11: 1,510,868	57: 1,510,686	33: 55: 1,510,643
1,510,797	188: 1,510,461	27: 1,510,461	242— 71: 1,511,158	1,511,099	15: 1,511,107
198— 31: 1,510,717	20: 1,510,772	38: 1,511,047	1,511,159	257— 125: 1,510,531	62: 1,510,755
43: 1,510,694	188: 1,511,103	46: 1,511,029	1,511,160	129: 1,510,828	87: 1,510,648
87: 1,510,479	214— 38: 1,510,530	24: 1,510,903	77: 1,510,750	135: 1,510,808	99: 1,510,483
121: 1,511,060	59: 1,510,837	27: 1,510,837	84: 3: 1,510,904	136: 1,511,084	194: 1,510,838
199— 54: 1,510,788	65: 4: 1,510,456	4: 1,510,660	136: 1,510,852	154: 1,510,807	287— 89: 1,510,817
85: 1,511,094	91: 1,510,936	19: 1,511,169	136: 1,511,005	3: 1,510,769	292— 44: 1,510,908
93: 1,511,095	138: 1,511,114	23: 1,510,657	18: 1,510,007	16: 1,510,681	150: 1,510,562
200— 6: 1,510,488	146: 1,511,115	60: 1,510,960	21: 1,511,008	23: 1,510,834	318: 1,510,468
24: 1,510,559	38: 1,510,458	78: 1,510,481	21: 1,511,154	103: 1,510,630	293— 26: 1,510,989
30: 1,510,901	1,510,459	94: 1,510,842	38: 1,510,486	131: 1,510,514	39: 1,511,086
54: 1,511,055	46: 1,510,457	97: 1,511,198	68: 1,510,496	87: 1,511,074	54: 1,510,986
90: 1,511,075	58: 1,510,552	99: 1,510,875	182: 1,510,644	100: 1,510,810	1,511,038
122: 1,510,917	2: 1,510,508	129: 1,510,951	1,510,803	135: 1,510,526	55: R. 15, 927
202— 3: 1,510,636	3: 1,511,171	132: 1,510,622	195: 1,510,506	148: 1,510,739	1,510,562
8: 1,511,122	26: 5: 1,510,625	14: 1,510,758	304: 1,510,600	152: 1,510,735	1,511,039
9: 1,510,857	28: 1,511,092	22: 1,510,475	399: 1,510,909	157: 1,510,790	67: 1,511,085
203— 6: 1,510,730	6: 1,510,932	25: 1,510,901	2: R. 15, 924	64: 1,510,330	1: 1,510,564
204— 1: 1,510,641	8: 1,511,195	17: 1,510,695	2: 1,510,624	3: 1,510,655	15: 1,510,773
29: 1,510,617	1,511,196	150: 1,511,111	16: 1,510,792	28: 1,510,628	31: 1,511,128
64: 1,510,485	1,511,197	243: 1,510,602	20: 1,510,945	29: 1,510,490	63: 1,510,886
1,511,050	12: 1,511,194	305: 1,510,894	33: 1,510,799	15: 1,510,588	86: 1,511,061
206— 16: 1,511,106	34: 1,510,796	330: 1,510,640	34: 1,510,780	33: 1,510,956	296— 44: 1,511,172
31: 1,510,599	37: 1,510,870	1: 1,510,515	38: 1,510,741	39: 1,510,510	52: 1,510,798
39: 1,510,549	21: 1,510,965	1: 1,511,097	20: 1,510,802	49: 1,511,177	84: 1,510,929
44: 1,510,701	24: 1,510,701	8: 5: 1,511,046	44: 1,510,846	62: 1,511,178	85: 1,510,608
1,510,763	58: 1,510,867	10: 1,510,847	47: 1,510,528	10: 1,511,026	97: 1,510,964
50: 1,510,619	1,510,863	11: 1,511,190	1,510,820	19: 1,510,751	116: 1,510,922
56: 1,510,934	65: 1,510,919	32: 1,510,499	106: 1,511,081	1,510,752	140: 1,510,474
36: 1,411,151	60: 1,510,818	41: 1,511,105	123: 1,510,860	4: 1,510,551	1,510,668
38: 1,510,585	1,510,821	1,511,116	144: 1,510,967	8: 1,510,964	298— 21: 1,510,762
42: 1,510,848	1,510,848	1,511,117	149: 1,511,162	9: 1,510,963	299— 61: 1,510,980
112: 1,511,147	67: 1,510,582	45: 1,510,678	21: 1,510,740	15: 1,511,011	144: 1,511,066
114: 1,510,888	1,510,653	48: 2: 1,510,724	117: 1,511,032	55: 1,510,707	300— 21: 1,510,505
141: 1,510,603	72: 1,510,961	60: 1,511,102	16: 1,510,979	3: 1,510,675	301— 122: 1,511,130
210— 75: 1,510,776	60: 1,510,545	61: 1,510,991	42: 1,510,670	11: 1,510,991	305— 8: 1,510,988
161: 1,510,910	28: 1,511,121	61: 1,510,699	78: 1,510,963	18: 1,511,080	
167: 1,510,863	29: 1,510,478	1,510,947	86: 1,511,122	27: 1,510,874	
182: 1,510,568	1,510,604	78: 1,511,206	131: 1,510,743	279— 62: 1,510,806	

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Acaricide Laboratories. (See Smyth, George S.)
Ackermann, Albert, Chicago, Ill. Headache and neuralgia wafers. 190,540; Oct. 14; Serial No. 195,474; published July 29, 1924.
Adjustable Rack Company, The, Milwaukee, Wis. Adjustable racks for holding books, newspapers, etc. 190,545; Oct. 14; Serial No. 193,748; published July 22, 1924.
Acollan Company, The, New York, N. Y. Assembled radio receiving sets and component parts thereof. 190,399; Oct. 14; Serial No. 196,123; published July 22, 1924.
Aerobelle Company, Worcester, Mass. Shock absorbers. 190,322; Oct. 14; Serial No. 186,041; published Dec. 11, 1923.
Allied Belting Company, The, Greenville, Ohio. Canvas belting. 190,591; Oct. 14; Serial No. 191,806; published Aug. 5, 1924.
Ambrosia Chocolate Company, Milwaukee, Wis. Eating chocolate. 190,468; Oct. 14; Serial No. 195,936; published July 29, 1924.
American Chemical Works. (See Shapiro, Leo.)
American Field Publishing Co., The, Chicago, Ill. Weekly magazine. 190,361; Oct. 14; Serial No. 197,695; published July 29, 1924.
American Kreuger & Toll Corporation, New York, N. Y. Electric-arc lamps. 190,392; Oct. 14; Serial No. 184,452; published July 22, 1924.
American Rubber and Tire Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes therefor. 190,585; Oct. 14; Serial No. 180,261; published Aug. 5, 1924.
American Smelting & Refining Company, New York, N. Y. Coal, coke, lignite, pent, and fuel briquettes. 190,462; Oct. 14; Serial No. 196,422; published Aug. 5, 1924.
American Tap Bush Co., Detroit, Mich. Cereal-beverage cooling and dispensing outfits. 190,582; Oct. 14; Serial No. 161,955; published Aug. 5, 1924.
Annconda Copper Mining Company, New York, N. Y. Finished commutator segments, copper bars and strips, and insulated copper wire. 190,393; Oct. 14; Serial No. 180,682; published July 22, 1924.
Anchor Sawmill Company, Pelham Manor and New York, N. Y. Oars and paddles. 190,353; Oct. 14; Serial No. 197,980; published Aug. 5, 1924.
Anfinger, Frank, Braddock, Pa. Medicine for coughs, catarrh of the stomach, etc. 190,426; Oct. 14; Serial No. 197,794; published July 29, 1924.
Approved Pictures Corporation, The, New York, N. Y. Motion-picture films. 190,511; Oct. 14; Serial No. 197,982; published Aug. 5, 1924.
Approved Pictures Corporation, The, New York, N. Y. Motion-picture films. 190,514; Oct. 14; Serial No. 197,981; published Aug. 5, 1924.
Arabol Mfg. Co., The, New York, N. Y. Sizing, finishing, and detergent preparation for fabrics. 190,408; Oct. 14; Serial No. 198,206; published July 29, 1924.
Arabol Mfg. Co., The, New York, N. Y. Preparation for boiling cotton fabrics. 190,409; Oct. 14; Serial No. 198,208; published July 29, 1924.
Ardelean, John P., Aurora, Ill. Lung balsam. 190,431; Oct. 14; Serial No. 197,857; published July 22, 1924.
Ash Grove Lime and Portland Cement Company, Kansas City, Mo., and Portland, Me. High-calcium hydrated lime. 190,573; Oct. 14; Serial No. 196,423; published July 29, 1924.
Atlanta Barbers Supply Co., Atlanta, Ga. Hair tonic. 190,568-9; Oct. 14; Serial Nos. 196,640-1; published July 22, 1924.
Atlanta Barbers Supply Co., Atlanta, Ga. Antiseptic healing cream. 190,570; Oct. 14; Serial No. 196,638; published July 22, 1924.
Atlanta Barbers Supply Co., Atlanta, Ga. Massage cream. 190,571; Oct. 14; Serial No. 196,637; published July 22, 1924.
Atlanta Barbers Supply Co., Atlanta, Ga. Hair tonics and face lotions. 190,572; Oct. 14; Serial No. 196,636; published July 22, 1924.
Aureola Laboratories, Inc., New York, N. Y. Pomade for straightening the hair. 190,313; Oct. 14; Serial No. 189,348; published July 29, 1924.
Auto-Crafts Manufacturing Company, The. (See Government Square Garage Company.)
Automotive Manufacturers Outlet, Inc., New York, N. Y. Automobile generator cutouts. 190,398; Oct. 14; Serial No. 171,748; published July 22, 1924.
Bahani, Maurice, Paris, France. Perfume extracts, toilet waters, face lotions, etc. 190,406; Oct. 14; Serial No. 198,608; published Aug. 5, 1924.
Babbitt Company, The, Philadelphia, Pa. Perfumes, toilet waters, rouges, tooth powders, etc. 190,534; Oct. 14; Serial No. 194,246; published June 17, 1924.
Bader, Henry F., New Albany, Ind. Injection for venereal diseases. 190,314; Oct. 14; Serial No. 189,233; published Feb. 19, 1924.
Bagley, H. J., doing business as Rex Blow Torch Co., Brooklyn, N. Y., and San Francisco, Calif. Blow-torches. 190,513; Oct. 14; Serial No. 197,795; published Aug. 5, 1924.
Bakelite Corporation, New York, N. Y. Condensation products of phenols and formaldehyde. 190,416; Oct. 14; Serial No. 198,336; published Aug. 5, 1924.
Balsam, Anna, doing business as A. Davis, New York, N. Y. Lemon, vanishing, and skin and tissue creams. 190,632; Oct. 14.
Beats-All Liniment. (See Gast, Edward D.)
Beauti-Craft Co., Chicago, Ill. Shampoos. 190,581; Oct. 14; Serial No. 195,028; published July 22, 1924.
Beaver Machine & Tool Co., Inc., Newark, N. J. Electrical plugs, attachment plugs, and switch plugs. 190,371; Oct. 14; Serial No. 196,687; published July 29, 1924.
Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 190,613; Oct. 14; Serial No. 197,129; published July 29, 1924.
Beiersdorf, P., & Co., Inc., New York, N. Y. Base for ointments. 190,484; Oct. 14; Serial No. 197,409; published July 22, 1924.
Beiser, Edward T., Company, Inc., Riverside, Conn. Natural and synthetic liquid flower oils. 190,450; Oct. 14; Serial No. 196,502; published Aug. 5, 1924.
Bergstresser, Charles, Eureka Springs, Ark. Dentifrices. 190,420; Oct. 14; Serial No. 198,394; published Aug. 5, 1924.
Berkow, David, doing business as Capitol Glass and Mirror Co., Baltimore, Md. Combined clamp and hinged bracket for windshields. 190,515; Oct. 14; Serial No. 198,050; published Aug. 5, 1924.
Bickman, Emanuel, doing business as Bickman Chemical Company, Baltimore, Md. Hair tonic. 190,404; Oct. 14; Serial No. 198,051; published July 29, 1924.
Bickmore Company, The, Oldtown, Me. Ointment for use on the scalp and hair. 190,412; Oct. 14; Serial No. 198,282; published July 29, 1924.
Big E Laboratories, Denver, Colo. Hair dressing compound. 190,427; Oct. 14; Serial No. 197,797; published July 22, 1924.
Big Four Canning Co., Stanley, Wis. Canned peas. 190,446; Oct. 14; Serial No. 197,355; published Aug. 5, 1924.
Blinder, Thomas W., doing business as Elec-Rad Company, Trenton, N. J. Variable condensers. 190,472; Oct. 14; Serial No. 195,331; published July 22, 1924.
Blinder, Thomas W., doing business as Elec-Rad Company, Trenton, N. J. Variable inductance coils. 190,473; Oct. 14; Serial No. 195,330; published July 22, 1924.
Bishop & Company, Los Angeles, Calif. Chocolate candy. 190,374; Oct. 14; Serial No. 198,729; published Aug. 5, 1924.
Blatz, J. H., Philadelphia, Pa. Hosiery. 190,291; Oct. 14; Serial No. 155,595; published Apr. 3, 1923.
Boehring, C. H., Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Papaverine nitrate and salts, medicines, and pharmaceutical preparations for reducing blood pressure, etc. 190,298; Oct. 14; Serial No. 174,061; published Aug. 5, 1924.
Botehr, Frank E., & Son, Pittsburg, Kans. Planos. 190,345; Oct. 14; Serial No. 193,350; published June 17, 1924.
Brach, Jacques, Paris, France. Perfumes, toilet waters, toilet lotions, etc. 190,405; Oct. 14; Serial No. 198,560; published Aug. 5, 1924.
Brecht, Gus V., Butchers' Supply Company, St. Louis, Mo. Sheep casings. 25,866; renewed Jan. 15, 1925.
Brogan, Byard E., Philadelphia, Pa. Finger rings. 190,397; Oct. 14; Serial No. 176,249; published July 8, 1924.
Brown, Frederick J., Brooklyn, N. Y. Weekly periodical. 190,453; Oct. 14; Serial No. 196,101; published July 29, 1924.
Broza, Jacob D., Philadelphia, Pa. Metal polish, stove polish, scouring powders, etc. 190,532; Oct. 14; Serial No. 193,442; published May 6, 1924.
Buenger, Albert E., doing business as E. M. Pharmacal Co., Denver, Colo. Medicinal preparation and tonic for the stomach. 190,529; Oct. 14; Serial No. 193,150; published July 29, 1924.
Buffalo Paper & Post Card Co. (See Hooz, Joseph.)
Buob and Scheu, Cincinnati, Ohio. Automobile tops and curtains. 190,501; Oct. 14; Serial No. 197,702; published July 29, 1924.
Burns, E. Reed, Mfg. Corp., Brooklyn, N. Y.; Chicago, Ill.; and Cleveland, Ohio. Polishing and buffing compound. 190,445; Oct. 14; Serial No. 197,359; published Aug. 5, 1924.

California Canneries Co., San Francisco, Calif. Canned fruits and vegetables. 190,560; Oct. 14; Serial No. 178,219; published Aug. 5, 1924.

California Glove Co., Napa, Calif. Leather gloves. 190,400; Oct. 14.

Call, John A., doing business as The John Call Co., Philadelphia, Pa. Ventilators. 190,372; Oct. 14; Serial No. 197,990; published Aug. 5, 1924.

Call, John A., doing business as The John Call Co., Philadelphia, Pa. Ventilators. 190,370; Oct. 14; Serial No. 197,991; published Aug. 5, 1924.

Candler, Mary, Dayton, Ohio. Hairdressing. 190,413; Oct. 14; Serial No. 198,286; published Aug. 5, 1924.

Capitol Glass and Mirror Co. (See Berkow, David.)

Carroll, William, & Company, Inc., New York, N. Y. Hats and hatbands for men and boys. 190,628; Oct. 14.

Carter Radio Company, Chicago, Ill. Radio equipment. 190,383; Oct. 14; Serial No. 192,557; published July 22, 1924.

Carthage Marble and White Lime Company, Carthage, Mo. Marble and limestone. 190,301; Oct. 14; Serial No. 176,601; published July 29, 1924.

Castagno, Mary, Philadelphia, Pa. Preparation for rheumatism, lumbago, etc. 190,448; Oct. 14; Serial No. 196,692; published Aug. 5, 1924.

Cellucotton Products Company, Neenah, Wis. Absorbent pads or sheets for infants' diapers. 190,517; Oct. 14; Serial No. 198,454; published Aug. 5, 1924.

Certain-Teed Products Corporation, New York, N. Y. Roofing felts, asphalt roofings, etc. 190,457; Oct. 14; Serial No. 194,975; published Aug. 5, 1924.

Chamberlain Company, The, Pittsburgh, Pa. Cleaning powder. 190,428; Oct. 14; Serial No. 197,801; published July 29, 1924.

Champion Conserver Company, The, Cincinnati, Ohio. Carbon paper. 190,390; Oct. 14; Serial No. 189,239; published July 22, 1924.

Champion Rubber Co., The, Kent, Ohio. Rubber tires and tubes. 190,432; Oct. 14; Serial No. 197,804; published July 29, 1924.

Chelton Electric Company, Philadelphia, Pa. Neutralizing capacity condensers. 190,478; Oct. 14; Serial No. 194,785; published July 22, 1924.

Chester Laboratories. (See Snaussler, Inc.)

Chickamauga Cedar Company, Stevenson, Ala. Cedar products manufactured into rough and finished lumber for building construction. 190,586; Oct. 14; Serial No. 183,095; published Oct. 23, 1924.

Cincinnati Auto-Craft Manufacturing Company. (See Government Square Garage Company, assignor.)

Chuet, Peabody & Co., Inc., Troy, N. Y. Shirts. 190,631; Oct. 14.

Coast Chemical Company, Wilmington, Del., and Glendale, Calif. Pharmaceutical preparations. 190,602; Oct. 14; Serial No. 197,362; published July 22, 1924.

Cohn & Rosenberger, Inc., New York, N. Y. Jewelry. 190,350; Oct. 14; Serial No. 185,812; published Feb. 12, 1924.

Columbian Cordage Company, assignor to Columbian Rope Company, Auburn, N. Y. Twine, rope, and other cordage. 25,928; renewed Jan. 29, 1925.

Columbus Washboard Company, The, Columbus, Ohio. Washboards. 190,341; Oct. 14; Serial No. 195,496; published July 22, 1924.

Comfort Mfg. Co., Chicago, Ill. Chemical preparation for the treatment of the skin. 190,492; Oct. 14; Serial No. 197,533; published July 22, 1924.

Con-Form Spec. Co., Detroit, Mich. Form spacers used for plastic-material forms. 190,452; Oct. 14; Serial No. 196,236; published Aug. 5, 1924.

Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn. Inductance coils. 190,386; Oct. 14; Serial No. 191,224; published July 22, 1924.

Coppus Engineering Corporation, Worcester, Mass. Power-driven blowers and fans. 190,553; Oct. 14; Serial No. 183,756; published Aug. 5, 1924.

Coppus Engineering Corporation, Worcester, Mass. Power-driven blowers and fans. 190,554; Oct. 14; Serial No. 183,735; published Aug. 5, 1924.

Corduroy Tire Company, Grand Rapids, Mich. Pneumatic rubber tires and tire casings and inner tubes therefor. 190,485; Oct. 14; Serial No. 197,417; published July 29, 1924.

Corning Glass Works, Corning, N. Y. Nursing bottles. 190,518; Oct. 14; Serial No. 198,506; published Aug. 5, 1924.

Cosmic Crayon Company Limited, The, Bedford, England. Prepared wax used for modeling purposes. 190,592; Oct. 14; Serial No. 192,211; published Aug. 5, 1924.

Cox Brass Manufacturing Company, Albany, N. Y., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio. Bumpers, bumper brackets, and bumper fittings. 190,292; Oct. 14; Serial No. 162,503; published Apr. 17, 1923.

Cox Brass Manufacturing Company, Albany, N. Y., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio. Automobile bumpers, bumper brackets and fittings, etc. 190,293; Oct. 14; Serial No. 162,806; published Apr. 17, 1923.

Creamette Company, The, Minneapolis, Minn. Salt, baking powder, and baking soda. 190,536; Oct. 14; Serial No. 194,978; published Aug. 5, 1924.

Creative Chemical Company. (See Williams, Edward R.)

Daily Orchards Co. (See Elliot, David J.)

Davis, A. (See Balsam, Anna.)

D'Enchant Company. (See Smith, Fred H.)

De Priest, Elizabeth, doing business as W. D. De Priest, Kingston, Pa. Hair tonic. 190,442; Oct. 14; Serial No. 197,997; published July 29, 1924.

De Witt, E. C., & Co., Inc., Chicago, Ill. Laxative cold tablets, catarrhal cream, etc. 190,422; Oct. 14; Serial No. 198,456; published Aug. 5, 1924.

De Witt, E. C., & Co., Inc., Chicago, Ill. Medicinal preparation for rheumatism, gout, etc. 190,486; Oct. 14; Serial No. 197,421; published July 22, 1924.

Driesen, Meyer & Oronsky, New York, N. Y. Outer suits and overcoats for males. 190,487; Oct. 14; Serial No. 197,424; published July 29, 1924.

Dunlop Milling Company, The, Clarksville, Tenn. Wheat and self-rising flour. 190,643; Oct. 14.

Duxhome Poultry Farm. (See Lukert, Harold R.)

E. M. Pharmacal Co. (See Buenger, Albert E.)

Earp-Thomas Cultures Corporation, New York and Long Island City, N. Y. Insecticides and fungicides. 190,326; Oct. 14; Serial No. 181,063; published July 22, 1924.

Eastwood Wire Manufacturing Company, Belleville, N. J. Valves and pipe fittings. 26,175; renewed Mar. 5, 1925.

Eaton Axle and Spring Company, The. (See Cox Brass Manufacturing Company, assignor.)

Elder Company, The, Middletown, Conn. Watches, watch movements, etc. 190,337; Oct. 14; Serial No. 196,517; published July 22, 1924.

Elec-Pad Company. (See Hinder, Thomas W.)

Electric Service Engineering Corp., New York, N. Y. Condensers. 190,503; Oct. 14; Serial No. 194,441; published July 8, 1924.

Electric Service Engineering Corp., New York, N. Y. Radiofrequency and audiofrequency transformers, radio coupling coils. 190,601; Oct. 14; Serial No. 194,440; published July 8, 1924.

Elliot, David J., doing business as Daily Orchards Co., Courtland, Calif. Pears. 190,443; Oct. 14; Serial No. 197,659; published Aug. 5, 1924.

Endocrine Laboratory. (See Gatlin, James G.)

Evans & Howard Fire Brick Co., St. Louis, Mo. Fire brick. 190,309; Oct. 14; Serial No. 179,995; published Oct. 23, 1923.

Ewart, George; Ewart & Son, Ltd., London, England, successor. Certain named apparatus for warming and heating water. 25,278; renewed Sept. 25, 1924.

Feist, Alfred, doing business as Joseph Feist, Solingen, Germany. Table knives and forks, scissors, corkscrews, etc. 190,521; Oct. 14; Serial No. 198,940; published Aug. 5, 1924.

Ferbend Electric Co., Chicago, Ill. Devices for preventing interference in radio apparatus. 190,467; Oct. 14; Serial No. 196,109; published July 8, 1924.

Ferro-Art Lighting Fixture Co., Inc., The, New York, N. Y. Electric-lighting appliances, fixtures, lamps, and parts thereof. 190,385; Oct. 14; Serial No. 192,249; published July 22, 1924.

Fitzgerald, Mrs. M. P., Houston, Tex. Shampoo preparation. 190,325; Oct. 14; Serial No. 181,524; published July 29, 1924.

Folly Town Company, The, Chicago, Ill. Candy. 190,566; Oct. 14; Serial No. 196,735; published June 17, 1924.

Foster, Benjamin, Company, Philadelphia, Pa. Petroleum products for road surfacing. 190,502; Oct. 14; Serial No. 197,739; published July 29, 1924.

French Cosmetic Mfg. Co., Inc., New Rochelle, N. Y. Toilet powders. 190,611; Oct. 14; Serial No. 197,269; published July 22, 1924.

Frohwein Pharmacy Inc., New York, N. Y. Reducing tablet. 190,471; Oct. 14; Serial No. 195,440; published Aug. 5, 1924.

Garfield Importing Co., Chicago, Ill. Imitation diamonds. 190,348; Oct. 14; Serial No. 193,164; published July 22, 1924.

Gast, Edward D., doing business as Beate-All Liniment, Lima, Ohio. Liniment. 190,312; Oct. 14; Serial No. 190,014; published Aug. 5, 1924.

Gatlin, James G., doing business as Endocrine Laboratory, St. Louis, Mo. Medicinal preparation. 190,610; Oct. 14; Serial No. 197,271; published July 22, 1924.

General Radio Company, Cambridge, Mass. Amplifiers, sockets, rheostats, switches, etc. 190,477; Oct. 14; Serial No. 194,794; published July 22, 1924.

General Radio Winding Company, New York, N. Y. Radio transmitting and receiving apparatus. 190,389; Oct. 14; Serial No. 189,714; published July 22, 1924.

Gibford-Welfenbach Company, The, doing business as The Habanix Leather Products Company, Adrian, Mich. Belts. 190,306; Oct. 14; Serial No. 178,661; published July 22, 1924.

Gill, Hiram, Carthage, Miss. Healing salve. 190,391; Oct. 14; Serial No. 186,362; published Aug. 5, 1924.

Gilman-Brunette Co., The, Portland, Oreg. Hair tonic. 190,527; Oct. 14; Serial No. 192,532; published July 22, 1924.

Gimbel Brothers, New York, New York, N. Y. Face powder, perfumes, etc. 190,303; Oct. 14; Serial No. 177,842; published July 22, 1924.

Glasman Company, Inc., New York, N. Y. Preparation for cleaning glassware, pottery, earthenware, and metal. 190,356; Oct. 14; Serial No. 197,807; published Aug. 5, 1924.

Glynn Canning Company, Brunswick, Ga. Canned shrimp. 190,378; Oct. 14; Serial No. 198,738; published Aug. 5, 1924.

Golden Nugget Sweets, San Francisco, Calif. Candy and confectionery. 190,336; Oct. 14; Serial No. 196,737; published July 29, 1924.

Gordon, William E., doing business as Gordon Specialty Company, New York, N. Y. Liquid finger-nail polish. 190,305; Oct. 14; Serial No. 178,177; published July 22, 1924.

Government Square Garage Company, The, doing business as The Auto-Crafts Manufacturing Company, assignor to The Cincinnati Auto-Craft Manufacturing Company, Cincinnati, Ohio. Radiator compound or cement. 190,311; Oct. 14; Serial No. 190,541; published July 22, 1924.

Graham Sanitarium, Inc., The, Newark, N. J. Laxative and bowel regulator. 190,490; Oct. 14; Serial No. 197,481; published July 22, 1924.

Grahame Chemical Company, Trenton, N. J. Solutions and compounds containing germanium oxide. 190,414; Oct. 14; Serial No. 198,302; published July 29, 1924.

Grammas Candy Company, Birmingham, Ala. Candy. 190,360; Oct. 14; Serial No. 197,758; published Aug. 5, 1924.

Green & Green Company, The, Dayton, Ohio. Crackers, fig bars, Graham wafers, etc. 190,624; Oct. 14.

Greenebaum, Well & Michels, San Francisco, Calif. Arm bands, suspenders, hosiery, and belts. 190,297; Oct. 14; Serial No. 169,592; published July 22, 1924.

Greist Mfg. Company, The, New Haven, Conn. Portable electric lamps. 190,504; Oct. 14; Serial No. 194,642; published July 8, 1924.

Griffin, Emma, Atlanta, Ga. Hair grower. 190,401; Oct. 14; Serial No. 198,002; published Aug. 5, 1924.

Gross, John C., Pearl River, N. Y. Advertising folders. 190,455; Oct. 14; Serial No. 195,578; published July 29, 1924.

Grytol Company, The. (See Yoder, Leona K.)

H. & G. Products Company. (See Hauser, George W.)

Habanix Leather Products Company, The. (See Gibford-Welfenbach Company, The.)

Haines Manufacturing Corporation, Rochester, N. Y. Automobile accessories. 190,323; Oct. 14; Serial No. 185,219; published Feb. 19, 1924.

Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. 190,335; Oct. 14; Serial No. 197,073; published July 22, 1924.

Hamilton Rubber Manufacturing Company, Trenton, N. J. Belting and air hose. 190,594; Oct. 14; Serial No. 193,920; published Aug. 5, 1924.

Hamlin & Adams, Los Angeles, Calif. Preparation for shaving and skin-healing purposes. 190,365-6; Oct. 14; Serial Nos. 197,273-4; published Aug. 5, 1924.

Hardenberg, Marion M., New York, N. Y. Pills. 190,616; Oct. 14; Serial No. 197,075; published Aug. 5, 1924.

Har-Mel Music Publishing Company, The, Baltimore, Md. Perforated music rolls. 190,344; Oct. 14; Serial No. 193,460; published July 22, 1924.

Hardware Dealers' Magazine, Inc., New York, N. Y. Articles which appear in the Hardware Dealers' Magazine. 190,577; Oct. 14; Serial No. 196,341; published July 22, 1924.

Harvey Manufacturing Company, The, Columbus, Ohio. Springs. 190,630; Oct. 14.

Hauser, George W., doing business as H. & G. Products Company, Gowrie, Iowa. Preparation for driving away rats and other rodents. 190,429; Oct. 14; Serial No. 197,813; published July 22, 1924.

Hawley & Hoops, New York, N. Y. Candy. 190,355; Oct. 14; Serial No. 197,814; published Aug. 5, 1924.

Hecock, James M., doing business as Lemonclenz Mfg. Co., Los Angeles, Calif. Face and massage cream, facial steams, etc. 190,615; Oct. 14; Serial No. 197,077; published July 22, 1924.

Hecht, George J., New York, N. Y. Periodical. 190,510; Oct. 14; Serial No. 198,408; published Aug. 5, 1924.

Higgin Manufacturing Company, Providence, R. I. Solid cooking or shortening compound. 190,635; Oct. 14.

Hilfen Company. (See Saldinger, Lucile.)

Hijos de Ybarra, Seville, Spain. Olive oil. 190,561; Oct. 14; Serial No. 177,185; published Aug. 5, 1924.

Hill, William M., Chicago, Ill. Street-car windows. 190,544; Oct. 14; Serial No. 193,833; published Aug. 5, 1924.

Hitchcock, Daniel N., doing business as Purity Chemical Co., Seattle, Wash. Disinfectant liquids. 190,316; Oct. 14; Serial No. 188,678; published Aug. 5, 1924.

Hoffman Bros., Inc., New York, N. Y. Watches, clocks, etc. 190,343; Oct. 14; Serial No. 194,921; published July 22, 1924.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 190,333-4; Oct. 14; Serial Nos. 197,202-3; published July 22, 1924.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 190,338; Oct. 14; Serial No. 196,116; published July 8, 1924.

Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands. Cocoa. 190,351; Oct. 14; Serial No. 167,815; published Aug. 5, 1924.

Hollingshead, W. R., Inc., Binghamton, N. Y. Ironing wax and washing tablets. 190,324; Oct. 14; Serial No. 181,689; published July 22, 1924.

Hooz, Joseph, doing business as Buffalo Paper & Post Card Co., Philadelphia, Pa. Writing paper, envelopes, and napkins. 190,447; Oct. 14; Serial No. 196,809; published June 24, 1924.

Hudson Cloak & Suit Store, Paterson, N. J.; Bridgeport, Hartford, and New Haven, Conn.; and Boston, Mass. Coats, dresses, scarfs, etc. 190,636; Oct. 14.

Ily-Gas Laboratories, Inc., New York, N. Y. Chemical tablet for increasing the efficiency of gasoline. 190,362; Oct. 14; Serial No. 197,663; published Aug. 5, 1924.

Ilyman, Solomon, assignor to S. Hyman Limited, Montreal, Canada. Cut and pug tobacco, cigars, and cigarettes. 26,068; renewed Feb. 19, 1925.

Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Bottles, jars, canisters, jugs, etc. 190,352; Oct. 14; Serial No. 167,636; published Oct. 9, 1923.

Ideal Foot Powder Co. (See Jackson, Mary A.)

Impression Products Company, Wilmington, Del., and Cornopolis, Pa. Typewriter ribbons. 190,482; Oct. 14; Serial No. 193,924; published July 22, 1924.

Independent Fruit Growers, Inc., New York, N. Y. Citrus-fruit marmalades. 190,459; Oct. 14; Serial No. 194,926; published Aug. 5, 1924.

Independent Fruit Growers, Inc., New York, N. Y. Fresh vegetables and citrus fruits. 190,460; Oct. 14; Serial No. 194,925; published Aug. 5, 1924.

International Intaglio Corporation, New York, N. Y. Printing inks. 190,342; Oct. 14; Serial No. 195,229; published July 29, 1924.

Jackson, Mary A., doing business as Ideal Foot Powder Co., Pomona, Calif. Foot powder. 190,329; Oct. 14; Serial No. 180,222; published Aug. 5, 1924.

Jacobsmeier, Richard L., doing business as Volsometer Manufacturing Company, Kirkwood, Ohio. Radio receiving sets, sending sets, and parts thereof. 190,387; Oct. 14; Serial No. 191,177; published July 8, 1924.

Jelix Manufacturing Co., Inc., New York, N. Y. Prophylactic antiseptic for women. 190,377; Oct. 14; Serial No. 198,526; published Aug. 5, 1924.

Johnes, Charles B., Newark, N. J. Piece goods made partly of rubber. 190,423; Oct. 14; Serial No. 197,759; published July 29, 1924.

Johns, William T., doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Insecticide and odorant. 190,528; Oct. 14; Serial No. 192,842; published Aug. 5, 1924.

Kala Company, Cambridge, Mass. Face powders. 190,580; Oct. 14; Serial No. 195,645; published July 22, 1924.

Kamion, Aaron, doing business as Kamion Watch Case Co., New York, N. Y. Watchcases. 190,330; Oct. 14; Serial No. 197,435; published July 22, 1924.

Katz & Ogush, Inc., New York, N. Y. Rings, bracelets, watch chains, etc. 190,339; Oct. 14; Serial No. 195,693; published July 22, 1924.

Kelly, Patrick J., Philadelphia, Pa. Tuning inductances for radio circuits. 190,381; Oct. 14; Serial No. 193,837; published July 22, 1924.

Keroscope Company, Los Angeles, Calif. Soap. 190,495; Oct. 14; Serial No. 197,602; published July 29, 1924.

Killant Chemical Company. (See Nowlin, H. B.)

Kinkade, Annie B., Cleveland, Ohio. Hair grower, shampoo cream, and hair pressing oil. 190,436; Oct. 14; Serial No. 197,944; published July 22, 1924.

Kirkpatrick Lumber & Timber Corp., Birmingham, Ala. Lumber, wooden shingles and flooring. 190,449; Oct. 14; Serial No. 196,525; published Aug. 5, 1924.

Kitchell, W. S., Company, Inc., New York, N. Y. Eggs and butter. 190,415; Oct. 14; Serial No. 198,312; published July 29, 1924.

Koch, Frederick A., Detroit, Mich. Foot cream. 190,488; Oct. 14; Serial No. 197,437; published July 22, 1924.

Kossmann, Max, doing business as Radio Sales Co., New York, N. Y. Radio accessories. 190,368; Oct. 14; Serial No. 196,814; published July 29, 1924.

Krank, Alfred J., St. Paul, Minn. Cleansing creams. 190,626; Oct. 14.

Laclede-Christy Clay Products Company, St. Louis, Mo. Fire brick in a plastic form. 190,496; Oct. 14; Serial No. 197,603; published July 29, 1924.

La Crosse Motors Equipment Co., La Crosse, Wis. Piston rings. 190,557; Oct. 14; Serial No. 186,539; published Aug. 5, 1924.

Lady Esther Co., Chicago, Ill. Face powder. 190,307; Oct. 14; Serial No. 179,538; published July 22, 1924.

Laewen, John, Mount Joy, Pa. Soldering composition. 190,328; Oct. 14; Serial No. 180,609; published July 22, 1924.

Lafayette Pharmacal Co., The, La Fayette, Ind. Enteric or salol-coated gelatin or other capsules for administration in the bowel. 190,444; Oct. 14; Serial No. 197,544; published Aug. 5, 1924.

Lamparter, Eugene R., Green Lane, Pa. Stomach tonic. 190,437; Oct. 14; Serial No. 197,946; published July 22, 1924.

Larsen, Louis J., New York, N. Y. Sails and wire rigging. 190,436; Oct. 14; Serial No. 195,009; published Aug. 5, 1924.

Laxow, Mendel, New York, N. Y. Furs. 190,489; Oct. 14; Serial No. 197,438; published July 29, 1924.

Lee-Trailer & Body Company, Chicago, Ill. Motor-truck bodies. 190,547; Oct. 14; Serial No. 193,054; published Aug. 5, 1924.

Leich Electric Company, Genoa, Ill. Spark plugs. 190,380; Oct. 14; Serial No. 193,841; published July 8, 1924.

Lemonclenz Mfg. Co. (See Heacock, James M.)

Levow, David, New York, N. Y. Skylight gearing. 190,510; Oct. 14; Serial No. 197,702; published Aug. 5, 1924.

Liebovitz, S. & Sons, Inc., New York, N. Y. Shirts. 190,637; Oct. 14.

"Liga" Watch Manufacturing, Limited, Soleure, Switzerland. Watches, watch cases, watch movements, and parts of same. 190,340; Oct. 14; Serial No. 195,647; published July 22, 1924.

Lightnin Lye Co., The, Cleveland, Ohio. Lyes and drain solvents. 190,376; Oct. 14; Serial No. 190,345; published July 22, 1924.

Linen Thread Co., The, New York, N. Y. Laundry nets. 190,346; Oct. 14; Serial No. 193,343; published July 8, 1924.

Link & Hemrick, Inc., New York, N. Y. Storage batteries. 190,370; Oct. 14; Serial No. 190,710; published July 29, 1924.

Linn Motor Device Company, Pittsburgh, Pa. Carburetors. 190,622; Oct. 14.

Louisville Grocery Company, Louisville, Ky. Canned fruits and vegetables. 190,458; Oct. 14; Serial No. 194,930; published Aug. 5, 1924.

Lowden, Joseph H., Elyria, Ohio. Apparatus for automobile service stations. 190,588; Oct. 14; Serial No. 188,915; published Aug. 5, 1924.

Lukert, Harold R., doing business as Duxhome Poultry Farm, Moriches, N. Y. Live and dressed poultry. 190,433; Oct. 14; Serial No. 197,887; published July 29, 1924.

Luxenberg, Nat. & Bros., New York, N. Y. Men's and boys' clothing. 190,625; Oct. 14.

MacKendrick, Edward S. (See Stoddard, Llewellyn L., assignor.)

Makrauer, Daniel R., Barber Supply Co., Pittsburgh, Pa. Olive shampoo, witch-hazel, styptic pencils, etc. 190,567; Oct. 14; Serial No. 196,667; published July 22, 1924.

Maloney, Anna M., doing business as The Ra-Bo-Na Co., Cincinnati, Ohio. Remedy for affections or disorders of the kidneys, etc., and a laxative pill. 190,327; Oct. 14; Serial No. 180,612; published July 22, 1924.

Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Telephone loud speakers. 190,388; Oct. 14; Serial No. 190,890; published July 22, 1924.

Marinello Company, La Crosse, Wis. Face and talcum powders and toilet water. 190,321; Oct. 14; Serial No. 186,324; published July 22, 1924.

Martinsage, Léon, Paris, France. Textile machinery. 190,505; Oct. 14; Serial No. 194,808; published Aug. 5, 1924.

Mathieson Alkali Works, The, New York, N. Y. Ammonia. 190,402; Oct. 14; Serial No. 198,018; published July 29, 1924.

Maury-Cole Company, Memphis, Tenn. Coffee. 190,375; Oct. 14; Serial No. 198,657; published Aug. 5, 1924.

Maxey, G., doing business as The Ridge Fruit Company, Frostproof, Fla. Fresh citrus fruits. 190,550; Oct. 14; Serial No. 192,408; published Aug. 5, 1924.

McCorkle, D. H., Mfg. Co., Oakland, Calif. Floor furnaces. 190,451; Oct. 14; Serial No. 190,312; published Aug. 5, 1924.

McCullough, Frederick S., doing business as F. S. McCullough Laboratories, Wilkesburg, Pa. Electron tubes. 190,463; Oct. 14; Serial No. 190,466; published July 22, 1924.

McCurain, French N., doing business as The No Pain Corn Remover Co., Wichita, Kans. Preparation for treating corns. 190,638; Oct. 14.

McDonald & Co. (See Sorda Pharmacy Co.)

Medelyne Company, The, New York, N. Y. Radio receiving sets and parts thereof. 190,470; Oct. 14; Serial No. 195,755; published July 22, 1924.

Middle West Laboratories, Bloomington, Ill. Throat tablets and a preparation used as an antiseptic, etc. 190,579; Oct. 14; Serial No. 195,756; published July 22, 1924.

Midwest Air Filters Inc., New York, N. Y. Air filters. 190,542; Oct. 14; Serial No. 194,014; published Aug. 5, 1924.

Miller, Theodore, New York, N. Y. Coffeepots. 190,506; Oct. 14; Serial No. 194,809; published Aug. 5, 1924.

Milliken, John T., & Company, St. Louis, Mo. Preparation for bathing and massaging the skin. 190,300; Oct. 14; Serial No. 170,562; published July 22, 1924.

Mitchell, Ernest I., doing business as The Nu-Del Company, Chicago, Ill. Cream depilatory. 190,455; Oct. 14; Serial No. 197,940; published July 22, 1924.

Moomaw, Paul W., Okemah, Okla. Rubbing-in oil. 190,578; Oct. 14; Serial No. 196,252; published July 22, 1924.

Muckerjee, John, doing business as Thymo Borine Laboratory, Milwaukee, Wis. Medicinal preparation. 190,417; Oct. 14; Serial No. 198,377; published Aug. 5, 1924.

Murdock Mfg. & Supply Company, The, Cincinnati, Ohio. Hydrants, street washers, drinking fountains, etc. 190,587; Oct. 14; Serial No. 188,767; published Aug. 5, 1924.

Murray Products Company, The, Detroit, Mich. Physicians' and surgeons' tables, chairs, and cabinets. 190,508; Oct. 14; Serial No. 197,210; published Aug. 5, 1924.

Muscolino, Joseph, Brooklyn, N. Y. Hair tonic. 190,434; Oct. 14; Serial No. 197,893; published July 22, 1924.

Myrrh-Lyptol Co., Birmingham, Ala. Antiseptic, deodorant, and prophylactic mouth wash. 190,533; Oct. 14; Serial No. 193,611; published July 22, 1924.

Nakamura, Enichiro, Haibara-gun, Shizuoka-ken, Japan. Soys sauce. 190,555; Oct. 14; Serial No. 181,450; published Aug. 5, 1924.

National Chain Stores. (See Wein, Joseph W.)

National King Traveler Co., Providence, R. I. Ring spinning and twisting travelers. 190,595-6; Oct. 14; Serial Nos. 194,117-18; published Aug. 5, 1924.

National Tire & Rubber Company, The, East Palestine, Ohio. Pneumatic tires and inner tubes therefor. 190,562; Oct. 14; Serial No. 196,964; published July 29, 1924.

Naylor, Frederick J., Brooklyn, N. Y. Radio receiving sets. 190,307; Oct. 14; Serial No. 196,920; published July 29, 1924.

New Brunswick Chemical Company, The, Newark, N. J. Chemicals. 190,538; Oct. 14; Serial No. 195,430; published July 22, 1924.

Nicomede, Jos. W., doing business as Nicomede Music Co., Altoona, Pa. Banjo and drumhead cleaner. 190,465; Oct. 14; Serial No. 190,264; published Aug. 5, 1924.

No Pain Corn Remover Co., The. (See McCurtain, French N.)

North Packing & Provision Company, Somerville, Mass. Sausages. 190,522; Oct. 14; Serial No. 191,564; published Aug. 5, 1924.

Nowlin, H. B., doing business as Killant Chemical Company, Fort Worth, Tex. Chemical composition for destroying insects. 190,410; Oct. 14; Serial No. 195,244; published July 29, 1924.

Nu-Del Company, The. (See Mitchell, Ernest I.)

Nu Gloss Shampoo Co. (See Sorensen, Soren C.)

Ohio Brass Company, The, Mansfield, Ohio. Ears, clamps, and hangers for suspending and supporting trolley wires, cables, etc. 190,590; Oct. 14; Serial No. 191,565; published July 22, 1924.

Old Witch Company, The, Pawling, N. Y. Ammonia. 190,607; Oct. 14; Serial No. 197,339; published July 22, 1924.

Orchidew Corporation, New York, N. Y. Cleansing skin lotion. 190,439; Oct. 14; Serial No. 197,953; published July 22, 1924.

Ortega, José M., Addlestone, Surrey, England. Crochet and knitting needles. 190,394; Oct. 14; Serial No. 180,024; published July 22, 1924.

Pacific Coast Biscuit Company, Seattle, Wash. Candy. 190,548; Oct. 14; Serial No. 192,990; published Aug. 5, 1924.

Packwood, Frank M., doing business as Packwood Brothers, Lincoln, Neb. Variable condensers. 190,480; Oct. 14; Serial No. 194,464; published July 8, 1924.

Paine, Nathan, Oakkosh, Wis. Ironing-board cabinets. 190,551; Oct. 14; Serial No. 191,967; published Aug. 5, 1924.

Park & Tilford, New York, N. Y. Soap. 190,524; Oct. 14; Serial No. 191,715; published July 29, 1924.

Parke, Davis & Company, Detroit, Mich. Bottle caps. 190,497; Oct. 14; Serial No. 197,617; published July 29, 1924.

Peacock Products, Not Inc., Moline, Ill. Facial clay, cold cream, and vanishing cream. 190,526; Oct. 14; Serial No. 191,908; published July 29, 1924.

Pender, Lorenzo D., doing business as Pender Manufacturing Company, Tarboro, N. C. Fertilizer distributors. 190,519; Oct. 14; Serial No. 198,750; published Aug. 5, 1924.

Pep Chemical Co., The, Burbank, Calif. Sulphur liquid compound. 190,315; Oct. 14; Serial No. 191,280; published July 22, 1924.

Petersen-Kintner Company, Pittsburgh, Pa. Special compound for covering the hands to protect them. 190,606; Oct. 14; Serial No. 197,341; published July 29, 1924.

Pharia Tire & Rubber Co., The, Newark, Ohio. Tires. 190,296; Oct. 14; Serial No. 160,263; published Mar. 13, 1923.

Phax Company, The. (See Yockey, Harry C.)

Philippe, Louis, New York, N. Y. Face powder. 190,523; Oct. 14; Serial No. 191,503; published July 29, 1924.

Pierce-Arrow Motor Car Company, Buffalo, N. Y. Road and steering wheels and parts thereof. 190,290; Oct. 14; Serial No. 187,816; published June 21, 1921.

Pitcher, Hugh B., Brooklyn, N. Y. Shower baths. 190,520; Oct. 14; Serial No. 198,767; published Aug. 5, 1924.

Plumery, Jos. M., Co., Oak Park, Ill. Medicine for ailments of the stomach and bowel system. 190,354; Oct. 14; Serial No. 197,902; published Aug. 5, 1924.

Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 190,597; Oct. 14; Serial No. 194,211; published July 22, 1924.

Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 190,598; Oct. 14; Serial No. 194,212; published July 8, 1924.

Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 190,599-600; Oct. 14; Serial Nos. 194,214-15; published July 8, 1924.

Pom-Phona Remedy Co., Helena, Mont. Preparation for hay fever and catarrh. 190,535; Oct. 14; Serial No. 194,060; published July 22, 1924.

Postman Company, Inc., The, New York, N. Y. Leather gloves. 190,332; Oct. 14; Serial No. 197,218; published July 22, 1924.

Prescott, J. L. Company, New York, N. Y. Stove polish. 190,639; Oct. 14.

Procter and Gamble Company, The, Cincinnati, Ohio. Soap. 190,359; Oct. 14; Serial No. 197,769; published Aug. 5, 1924.

Pullman Company, The, Chicago, Ill. Railway cars. 190,317; Oct. 14; Serial No. 188,377; published Feb. 26, 1924.

Purity Baking Co., St. Paul, Minn. Bread, cookies, cake, doughnuts, and toast. 190,531; Oct. 14; Serial No. 193,307; published July 22, 1924.

Purity Chemical Co. (See Hiltchcock, Daniel N.)

Quality Tools Corporation, New Wilmington, Pa. Tools. 190,593; Oct. 14; Serial No. 192,042; published Aug. 5, 1924.

Radio Frequency Laboratories, Inc., Boonton, N. J. Radio equipment. 190,466; Oct. 14; Serial No. 190,192; published July 8, 1924.

Radio Industries Corporation, New York, N. Y. Telephone receivers and loud talkers for use in radioreceiving. 190,464; Oct. 14; Serial No. 196,258; published July 22, 1924.

Radio Sales Co. (See Kossmann, Max.)

Rasmussen, Chris, doing business as Rasmussen Electric Mfg. Co., Fresno, Calif. Electric theft alarms. 190,481; Oct. 14; Serial No. 193,958; published July 8, 1924.

Reece, Karl W. P., Boston, Mass. Rubber jar rings. 190,493; Oct. 14; Serial No. 197,560; published July 29, 1924.

Reed, Dr., Liniment Company, Inc., Portland, Ind. Liniment for horse ailments. 190,618; Oct. 14; Serial No. 197,047; published July 22, 1924.

Reinhard Electric Motor Company, The, Cleveland, Ohio. Electric motors. 190,469; Oct. 14; Serial No. 195,910; published July 8, 1924.

Renkert, Carl M., doing business as A. Renkert & Co., Memphis, Tenn. Disinfectants. 190,299; Oct. 14; Serial No. 175,679; published July 22, 1924.

Research Pharmaceutical Co. (See Ude, Waldemar.)

Rex Blow Torch Co. (See Bagley, H. J.)

Ridge Fruit Company, The. (See Maxey, G.)

Rewalt, Dr., Med. Co. (See Vidal, Margaret J.)

Robertson-Cataract Electric Company, Buffalo, N. Y. Vacuum cleaners and attachments. 190,395; Oct. 14; Serial No. 177,695; published July 22, 1924.

Robinson, Norman, doing business as Worcester Labeling Machine Work, Worcester, Mass. Labeling machines. 190,512; Oct. 14; Serial No. 198,723; published Aug. 5, 1924.

Roller Fanciers Corporation, The, Louisville, Ky. Canary-bird leg bands. 190,461; Oct. 14; Serial No. 194,667; published Aug. 5, 1924.

Ruben, Henry, doing business as To-Rain-On Products Co. (Not Inc.), Chicago, Ill. Roof cement. 190,552; Oct. 14; Serial No. 187,350; published Aug. 5, 1924.

Saenger Drug Company, Inc., Shreveport, La. Medicine for rheumatism, lumbago, etc. 190,575; Oct. 14; Serial No. 196,351; published July 22, 1924.

Safety Car Heating & Lighting Company, The, New York, N. Y. Metallic reflector. 190,556; Oct. 14; Serial No. 181,090; published Aug. 5, 1924.

Saidinger, Lucile, doing business as Hijeon Company, New York, N. Y. Catamenial bandages. 190,507; Oct. 14; Serial No. 197,116; published Aug. 5, 1924.

Samuels, M., & Company, Inc., Baltimore, Md. Shoes. 190,634; Oct. 14.

Sandra, Earl V., Pawnee, Ill. Ironing boards. 190,349; Oct. 14; Serial No. 188,775; published July 22, 1924.

Sausser, Inc., doing business as Chez Rellou Laboratories, Bethlehem, Pa. Perfumes, powders, rouges, etc. 190,357-8; Oct. 14; Serial Nos. 197,775-6; published Aug. 5, 1924.

Saxophone Shop, The, Chicago, Ill. Books or pamphlets. 190,627; Oct. 14.

Schall, Ida K., Columbus, Ohio. Window cleaner. 190,424; Oct. 14; Serial No. 197,777; published July 29, 1924.

Schmidt, Geo. A., & Co., Chicago, Ill. Shaving creams and soaps. 190,418; Oct. 14; Serial No. 198,383; published July 29, 1924.

Schmidt, Geo. A., & Co., Chicago, Ill. Shampoo powders. 190,419; Oct. 14; Serial No. 198,884; published Aug. 5, 1924.

Schmitt, George P., doing business as Schmitt Heating Co., Oakland, Calif. Gas heaters, radiators, and floor heaters and gas and coal furnaces. 190,543; Oct. 14; Serial No. 193,963; published Aug. 5, 1924.

Scientific Apparatus Corporation, The, Milton, Pa. Microscopes and fluid lenses. 190,509; Oct. 14; Serial No. 197,398; published Aug. 5, 1924.

Scott, George F., Bath, N. Y. Preparation for cramps. 190,320; Oct. 14; Serial No. 187,021; published July 29, 1924.

Seaboard Refractories Company, Valentines, N. Y. Refractory materials for use in building, lining, and patching of furnace walls, etc. 190,500; Oct. 14; Serial No. 197,687; published July 29, 1924.

Searls, R. S., doing business as Shinmor Product Company, Sulphur Springs, Tex. Shoe polish. 190,498; Oct. 14; Serial No. 197,623; published July 29, 1924.

Sears, Roebuck and Co., Chicago, Ill. Corsets. 190,310; Oct. 14; Serial No. 190,615; published July 22, 1924.

Senelth Ink Company, Inc., The, New York, N. Y. Thinning compound for printing inks. 190,474; Oct. 14; Serial No. 194,880; published July 22, 1924.

Shaffer, Elmer E., Garrison, Iowa. Liquid welding flux preparation. 190,565; Oct. 14; Serial No. 196,767; published July 22, 1924.

Shapiro, Leo, doing business as American Chemical Works, Minneapolis, Minn. Bedbug exterminator, roach-killer powder, and ant killer. 190,305; Oct. 14; Serial No. 179,684; published July 22, 1924.

Shinmor Product Company. (See Searls, R. S.)

Silica Gel Products Corporation, The, Baltimore, Md. Toilet powder. 190,425; Oct. 14; Serial No. 197,785; published July 22, 1924.

Sladent Inc., New York, N. Y. Tooth paste and powder and mouth wash. 190,421; Oct. 14; Serial No. 188,426; published Aug. 5, 1924.

Smith, Beir & Gormly, Rochester, N. Y. Play suits, hosiery, underwear, etc. 190,318; Oct. 14; Serial No. 188,331; published July 29, 1924.

Smith, Fred A., Cleveland, Ohio. Ladies' hosiery. 190,541; Oct. 14; Serial No. 195,545; published July 8, 1924.

Smith, Fred H., doing business as D'Enchant Company, Springfield, Mass. Complexion powder. 190,612; Oct. 14; Serial No. 197,174; published July 22, 1924.

Smyth-Despard Co., Utica, N. Y. Furnaces and pipeless furnaces. 190,546; Oct. 14; Serial No. 193,365; published Aug. 5, 1924.

Smyth, George S., doing business as Acaricide Laboratories, Chicago, Ill. Medicine for itching scalp, dandruff, falling hair, etc. 190,435; Oct. 14; Serial No. 197,911; published July 22, 1924.

Société Anonyme des Établissements Rouzaud, Chocolat de Royat, "la Marquise de Sévigné," Royat-Puy-de-Dôme, France. Jewelry and precious-metal ware. 190,596; Oct. 14; Serial No. 177,204; published July 8, 1924.

Sorda Pharmacy Co., doing business as McDonald & Co., Cleveland, Ohio. Headache powder, liver pills, cold and grip tablets. 190,440; Oct. 14; Serial No. 197,965; published July 22, 1924.

Sorensen, Soren C., doing business as Nu Gloss Shampoo Co., Oakland, Calif. Shampoo. 190,621; Oct. 14; Serial No. 196,986; published July 29, 1924.

Southern Laboratories. (See Williams, Theophilus O.)

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Asphaltic compound for sealing batteries, etc. 190,623; Oct. 14.

Standard Oil Company (New Jersey), Bayonne, N. J. Mineral oil. 190,491; Oct. 14; Serial No. 197,502; published July 22, 1924.

Stoddard, Llewellyn L., assignor to Edward S. MacKendrick, New Haven, Conn. Mixture of perique, Virginia, Habana, and Turkish tobaccos. 25,657; renewed Dec. 11, 1924.

Strathmore Orange Groves Co., Inc., Porterville, Calif. Fresh citrus fruits. 190,407; Oct. 14; Serial No. 198,101; published July 29, 1924.

Sulpho-Naphthol Company, The, Boston, Mass. Deodorizer, solvent pipe cleaner, etc. 190,574; Oct. 14; Serial No. 196,410; published Aug. 5, 1924.

Superior Foundry Supply Company, Pittsburgh, Pa. Purifying flux for metallurgical treatment. 190,537; Oct. 14; Serial No. 195,201; published July 22, 1924.

Swift and Company, Chicago, Ill. Cured hams. 190,640; Oct. 14.

Swift and Company, Chicago, Ill. Sausage. 190,641-2; Oct. 14.

Tab-U-Need Company, Pulaski, Tenn. Purgatives. 190,609; Oct. 14; Serial No. 197,303; published July 29, 1924.

Tashjian, Armen H., Cleveland, Ohio. Building elements. 190,564; Oct. 14; Serial No. 196,775; published July 29, 1924.

Texas Chemical & Specialty Co. (See Johns, William T.)

Thompson, R. E., Manufacturing Company, Jersey City, N. J. Radio receiving sets and parts thereof, head telephones, loud speakers. 190,479; Oct. 14; Serial No. 194,631; published July 8, 1924.

Thymo Borine Laboratory. (See Muckerjee, John.)

To-Rain-On Products Co. (Not Inc.) (See Ruben, Henry.)

Torsion Test Piston Ring Corporation, Newark, N. J. Piston rings. 190,558; Oct. 14; Serial No. 179,893; published Aug. 5, 1924.

Trapani Dominick, Buffalo, N. Y. Salad oil. 190,295; Oct. 14; Serial No. 166,414; published July 8, 1924.

Trenlich & Klaas, Chicago, Ill. Pearls and pearl beads. 190,347; Oct. 14; Serial No. 193,313; published July 8, 1924.

Trumbull-Vanderpool Electric Mfg. Co., The, Bantam, Conn. Electric safety switches. 190,384; Oct. 14; Serial No. 192,285; published July 8, 1924.

Ude, Waldemar, doing business as Research Pharmaceutical Co., St. Louis, Mo. Remedy for ivy poisoning. 190,563; Oct. 14; Serial No. 196,943; published July 22, 1924.

Ukemon Corporation, New York, N. Y. Headache tablets. 190,619; Oct. 14; Serial No. 196,994; published July 22, 1924.

Ukemon Corporation, New York, N. Y. Cold tablets. 190,620; Oct. 14; Serial No. 196,993; published July 22, 1924.

United Retail Chemists Corporation, New York, N. Y. Shaving cream. 190,499; Oct. 14; Serial No. 197,633; published July 29, 1924.

Utah Lime & Stone Company, The, Salt Lake City, Utah. Burned lime, hydrated lime, cement, etc. 190,559; Oct. 14; Serial No. 179,564; published Aug. 5, 1924.

Van Camp Packing Company, Indianapolis, Ind. Baked pork and beans. 26,182; renewed Mar. 5, 1925.

Vansickle, Amanda. (See Vansickle Stephen D.)

Vansickle, Stephen D.; Amanda Vansickle, Ashland, Pa. successor. Cramp and diarrhea compound. 26,225; renewed Mar. 12, 1925.

Vassel, William, Co. Providence, R. I. Tonic for disorders of the stomach. 190,539; Oct. 14; Serial No. 195,469; published July 22, 1924.

Vellumoid Company, The, Boston, Mass. Sheet packing and gaskets. 190,549; Oct. 14; Serial No. 192,805; published Aug. 5, 1924.

Veritas Remedy Co., Clovis, N. Mex. Preparation for treatment of catarrhal affections. 190,441; Oct. 14; Serial No. 197,972; published July 22, 1924.

Vestal Chemical Company, St. Louis, Mo. Disinfectants, insecticides, etc. 190,608; Oct. 14; Serial No. 197,307; published July 22, 1924.

Veterans of Foreign Wars of the United States, Kansas City, Kans. Artificial flowers. 190,364; Oct. 14; Serial No. 197,345; published July 29, 1924.

Vicenzi, Massimiliano, New York, N. Y. Preparation for nervous diseases. 190,525; Oct. 14; Serial No. 191,858; published July 29, 1924.

Vick Medicine Company, Albany, Ga. Remedy for la grippe, coughs, and colds. 190,376; Oct. 14; Serial No. 198,598; published Aug. 5, 1924.

Victor Balata & Textile Belting Co., New York, N. Y., and Easton, Pa. Balata and canvas beltings. 190,454; Oct. 14; Serial No. 196,087; published Aug. 5, 1924.

Vidal, Margaret J., doing business as Dr. Rewalt Med. Co., Madison, S. Dak. Remedy for constipation, sour stomach, diarrhea, etc. 190,411; Oct. 14; Serial No. 198,271; published July 29, 1924.

Viking Corporation, The, Hastings, Mich. Automatic fire-sprinkler systems and parts thereof. 190,589; Oct. 14; Serial No. 189,340; published Aug. 5, 1924.

Vincent Drug Company, The, Texarkana, Ark. Preparation for a douche for vaginal disorders. 190,294; Oct. 14; Serial No. 164,281; published Aug. 14, 1923.

Vitreous Enameling Company, Cleveland, Ohio. Table tops, enameled signs, and restaurant fittings, etc. 190,584; Oct. 14; Serial No. 178,483; published Aug. 5, 1924.

Wafer Products Co., The. (See Weisberger, Joseph.)

Wall, Streeter & Doyle Co., North Adams, Mass. Shoes and slippers. 190,633; Oct. 14.

Ware Radio Corporation, New York, N. Y. Radio transmitting and receiving sets, coils, etc. 190,382; Oct. 14; Serial No. 193,741; published July 22, 1924.

Washee Products Corporation, Brooklyn, N. Y. Laundry and toilet soap. 190,494; Oct. 14; Serial No. 197,573; published July 29, 1924.

Weatherbest Stained Shingle Co. Inc., North Tonawanda, N. Y. Shingles. 190,430; Oct. 14; Serial No. 197,852; published Aug. 5, 1924.

Weber Electric Company, Schenectady, N. Y. Incandescent-electric-lamp sockets. 190,583; Oct. 14; Serial No. 162,224; published July 22, 1924.

Wein, Joseph W., doing business as National Chain Stores, Spokane, Wash. Men's and boys' outer garments. 190,319; Oct. 14; Serial No. 187,074; published July 29, 1924.

Weisberger, Joseph, doing business as The Wafer Products Co., Jersey City, N. J. Preparation for the treatment of pyorrhea, etc. 190,605; Oct. 14; Serial No. 197,346; published July 22, 1924.

Weissmann, Gustave, Paris, France. Electric lamps. 190,369; Oct. 14; Serial No. 196,781; published July 29, 1924.

Welfit Brassiere Co., New York, N. Y. Brassieres, bandeaux, and girdles. 190,629; Oct. 14.

West Electric Hair Curler Company, Philadelphia, Pa. Shampoos. 190,483; Oct. 14; Serial No. 197,402; published July 29, 1924.

Wheelan, Robert B., New York, N. Y. Radio loud speakers. 190,476; Oct. 14; Serial No. 194,830; published July 22, 1924.

White, R. H., Company, Boston, Mass. Mattresses, pillows, cushions, and pads. 190,363; Oct. 14; Serial No. 197,405; published July 29, 1924.

Williams, Edward R., doing business as Creative Chemical Company, Pittsburgh, Pa. Chemical compound for preventing and removing scale from boilers, etc. 190,604; Oct. 14; Serial No. 197,347; published July 22, 1924.

Williams, J. B., Company, The, Glastonbury, Conn. Face washes. 190,403; Oct. 14; Serial No. 198,041; published Aug. 5, 1924.

Williams, Theophilus O., doing business as Southern Laboratories, Petersburg, Va. Hair pomades. 190,302; Oct. 14; Serial No. 177,341; published Aug. 5, 1924.

Williamson, W. W., Newmarket, Va. Farm products. 190,530; Oct. 14; Serial No. 193,204; published July 29, 1924.

Wilson Seed and Floral Company, The, Columbus, Ohio. Ornithological preparations. 190,394; Oct. 14; Serial No. 178,155; published July 29, 1924.

Witherup Cork Packing Co., The, Beaumont, Tex. Cork pump and engine packing. 190,614; Oct. 14; Serial No. 197,124; published July 29, 1924.

Wonder Portable Dishwasher Company, Oakland, Calif. Electrical dishwashing machines. 190,475; Oct. 14; Serial No. 194,832; published July 22, 1924.

Worcester Labeling Machine Works. (See Robinovitz, Norman.)

Wright Manufacturing Company, The, Lisbon, Ohio. Hoists. 190,331; Oct. 14; Serial No. 197,235; published July 22, 1924.

Yates, Richard T., doing business as Yates Chemical Company, Lynchburg, Va. Salve for pneumonia, etc. 190,617; Oct. 14; Serial No. 197,057; published July 22, 1924.

Yockey, Harry C., doing business as The Phax Company, Zellenople, Pa. Laxatives. 190,603; Oct. 14; Serial No. 197,348; published July 22, 1924.

Yoder, Leona K., doing business as The Grystol Company, Chicago, Ill. Preparation for the treatment of coughs, colds, etc. 190,378; Oct. 14; Serial No. 198,042; published Aug. 5, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abrens Publishing Company, Inc., New York, N. Y. Monthly publications. 183,788; Oct. 14.

Ainsa, F. S., Co. Inc., The, El Paso, Tex. Coffee. 202,193; Oct. 14.

Alaura, Cosmo, doing business as La Lavandina Washing Water Co., East Boston, Mass. Washing liquid. 201,481; Oct. 14.

America O-T Limited, Incorporated, San Francisco, Calif. Beverages sold as soft drinks and sirups for making the same. 202,195; Oct. 14.

American Butter and Cheese Company, Detroit, Mich. Butter. 201,423; Oct. 14.

American Cranberry Exchange, Incorporated, New York, N. Y. Cranberry sauce and jelly. 196,564; Oct. 14.

American Cyanamid Company, New York, N. Y. Insecticide and rodent exterminator. 199,768; Oct. 14.

American Hatters and Furriers Company, Incorporated, Danbury, Conn. Carroted fur. 201,914; Oct. 14.

Anderson, Albert G., Newark, N. J. Stock certificates and bonds. 198,97; Oct. 14.

Arabol Mfg. Co., The, New York, N. Y. Narrow elastic. 198,217; Oct. 14.

Archer Rubber Company, Milford, Mass. Waterproof clothing. 201,526; Oct. 14.

Ariel Cabinet Company, Peru, Ind. Kitchen cabinets and cabinet bases and tables. 201,874; Oct. 14.

Arnesto Paint Co. Inc., New York, N. Y. Ready-mixed paints. 181,583; Oct. 14.

Atlantic Sea Products Co., Brunswick, Ga. Canned shrimp and oysters. 192,592; Oct. 14.

Attica Mills, The, Attica, Kans. Wheat flour. 197,858; Oct. 14.

Automobile Journal Publishing Co., The, Pawtucket, R. I. Monthly magazine. 200,703; Oct. 14.

Auto Parts Company. (See Frank, H. G. John.)

Averill Manufacturing Corporation, New York, N. Y. Dolls. 194,243; Oct. 14.

Baker & Coe, White Salmon, Wash. Fertilizer. 197,640; Oct. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Baldi, Maria, doing business as The Lawrence Baldi Co., Laconia, N. H. Beverages and sirups for making same. 202,092; Oct. 14.

Batt Brothers, New York, N. Y. Cigarettes. 189,549; Oct. 14.

Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 200,240; Oct. 14.

Bay Chemical Company. (See Crawford, Owen.)

Beck, Wm. & Chas., Inc., Lawrence, Mass. Linen fire hose. 175,122; Oct. 14.

Bettman Nut Co., Inc., New York, N. Y. Salted and candied nuts and nut meat. 192,061; Oct. 14.

Betz, Frank S., Company, Hammond, Ind. Steel furniture for hospitals, etc. 196,503; Oct. 14.

Biflex Products Company, North Chicago, Ill. Automobile bumpers and parts thereof. 200,131; Oct. 14.

Birmingham Aluminum Casting (1903) Company Limited, The, Birmingham, England. Tennis, badminton, and rackets for all games. 197,861; Oct. 14.

Blake, Moffitt and Towne, San Francisco, Calif. Twine. 197,922; Oct. 14.

Bologna, A., & Company, New Orleans, La. Macaroni. 200,806; Oct. 14.

Borgfeldt, George, & Co., New York, N. Y. Dolls and toys. 196,329; Oct. 14.

Bouchard, Mack & Son, Caribou, Me. Table potatoes in their natural state. 261,389; Oct. 14.

Burrows, Claire H., doing business as Grandma's Pie Crust Co., Hollywood, Los Angeles, Calif. Material used in making pies. 200,431; Oct. 14.

California Ry-Products Co., San Francisco, Calif. Tennis-racket strings. 199,346; Oct. 14.

California Ry-Products Co., San Francisco, Calif. Tennis-racket strings. 199,462; Oct. 14.

Cappel Furniture Company, The, Dayton, Ohio. Bed springs. 197,015; Oct. 14.

Capstone Manufacturing Co., Newark, N. J. Lubricating oils. 183,644; Oct. 14.

Carver-Ruff Co., New York, N. Y. Toilet preparations. 200,929; Oct. 14.

Chemische Fabrik Grünau Landschaff & Meyer Aktien-gesellschaft, Berlin, Germany. Aniline and its salts, naphthol and its derivatives, etc. 196,906; Oct. 14.

Cheramy, Inc., New York, N. Y. Toilet powders, rouge, and brillianline. 201,448; Oct. 14.

Chicago Electric Company, The, Chicago, Ill. Monthly publication. 196,909; Oct. 14.

Clark, William C., Brooklyn, N. Y. Medicine for rheumatism and sciatica. 201,489; Oct. 14.

Cliff Jabez & Company Limited, Walsall, England. Football covers. 199,555; Oct. 14.

Coca Cola Bottling Company of Los Angeles, Los Angeles, Calif. Maltless and carbonated beverages, sirups, extracts, etc. 201,543; Oct. 14.

Cohn, Leon, Paris, France. Perfumes. 201,220; Oct. 14.

Columbia Phonograph Company, Bridgeport, Conn. Phonograph apparatus for recording and reproducing sounds, etc. 189,302; Oct. 14.

Columbia Wax Works, Woodhaven, N. Y. Wax candles. 191,474; Oct. 14.

Comey, R. H., Companies Consolidated, Brooklyn, N. Y. Dyed and bleached straw braids. 201,650; Oct. 14.

Consolidated Glove & Hosiery Corporation, San Francisco, Calif. Men's hose. 200,984; Oct. 14.

Coraga Chemical Company, Cleveland, Ohio. Dental powder. 201,545; Oct. 14.

Craft Company, The, Indianapolis, Ind. Finger rings, ornamental buttons, badges, emblems, medals, charms, fobs, earrings. 197,802; Oct. 14.

Crawford, Owen, doing business as Bay Chemical Company, Bay St. Louis, Miss. Salves for diseases and affections of the skin. 201,125; Oct. 14.

Davis, H. R., Company, Baltimore, Md. Ready-mixed paints. 191,370; Oct. 14.

Dayton Nut Products Company, The, Dayton, Ohio. Raw and salted nuts. 198,508; Oct. 14.

Dazey Churn & Manufacturing Company, St. Louis, Mo. Tool-grinding machines. 199,349; Oct. 14.

Dickinson, Francis J., doing business as F. J. Dickinson & Sons, Freeport, Ill. Fountain sirups and carbonated and uncarbonated drinks. 202,100; Oct. 14.

Dodge, C. B., Company, The, Westport, Conn. Preparation for cleaning interiorly auto radiators, vats, boilers, etc. 201,186; Oct. 14.

Douglas-Mack, Chas., Co., Inc., doing business as The Silverstrype Co., Inc., New York, N. Y. Men's, young men's, and boys' clothes, overcoats, and suits. 201,334; Oct. 14.

Douglas-Mack, Chas., Co., Inc., doing business as The Silverstrype Co., Inc., New York, N. Y. Overcoats and suits. 201,335; Oct. 14.

Duggard, Warner, Ottawa, Ill. Compound for cleaning metal. 199,220; Oct. 14.

Eastern Tool & Mfg. Company, Bloomfield, N. J. Shoe buckles. 201,025; Oct. 14.

Edison Orange Growers Association, Edison, Calif. Oranges, grapefruit, and lemons. 200,386; Oct. 14.

Engle, William B., Seattle, Wash. Dried-fruit and nut combination. 153,654; Oct. 14.

Ex-Cell-O Tool and Manufacturing Co., Detroit, Mich. Bearings, spindles, ball bearings, raceways, and parts thereof. 199,613; Oct. 14.

Fisher Bros. Paper Company, Fort Wayne, Ind. Building and roofing papers, shingles, etc. 200,874; Oct. 14.

Florida Dehydrating & Preserving Co., Jacksonville, Fla. Dehydrated foods. 197,068; Oct. 14.

Fluorin Company of America Inc., New York, N. Y. Medicinal preparation. 200,486; Oct. 14.

Folly Town Company, The, Chicago, Ill. Candy. 198,405; Oct. 14.

Forstmann & Hufmann Company, Passaic, N. J. Woolen piece goods. 201,494-5; Oct. 14.

Foster, Edwin T., doing business as Pyrorochrome Chemical Co., Williamstown, Mass. Solution for the treatment of pyorrhea. 197,328; Oct. 14.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Piston rings, rubber hose, tires, and patches, inner tubes, and packing. 193,224; Oct. 14.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Lugs, lug-bolts, and pipe valves. 193,226; Oct. 14.

Frey, L. A., & Sons, Inc., New Orleans, La. Ham, bacon, and sausage. 104,537; Oct. 14.

Gelfand Manufacturing Co., The, Baltimore, Md. Sandwich spread. 200,759; Oct. 14.

Gish, Carl K., doing business as The Lull Remedy Co., New York, N. Y. Preparation for seasickness and ear sickness. 201,496; Oct. 14.

Goodman American Ice Cream Company, Chicago, Ill. Ginger ale and root beer. 198,519; Oct. 14.

Goyer Company, The, Greenville, Miss. Coffee. 196,864; Oct. 14.

Graff-Underwood Company, Somerville, Mass. File signals. 201,290; Oct. 14.

Grandma's Pie Crust Co. (See Burrows, Claire H.)

Great Northern Manufacturing Company, Minneapolis, Minn. Toy motor cycles, scooters, wagons, and cars. 188,901; Oct. 14.

Greenspot Citrus Association, Mentone, Calif. Oranges, lemons, and grapefruit. 198,134; Oct. 14.

Groover-Stewart Drug Company, The, Jacksonville, Fla. Tincture iodine, with-hazel, mercury, etc. 198,706-7; Oct. 14.

Grosvenor, Jonathan P., Watertown, N. Y. Parlor board games. 200,392; Oct. 14.

Hagenbaugh, William L., doing business as Master Lubricants Company, Los Angeles, Calif. Lubricating oils and greases. 200,554; Oct. 14.

Hagenbaugh, William L., doing business as Master Lubricants Company, Los Angeles, Calif. Lubricating oils and greases. 200,556; Oct. 14.

Halligan, John E., Boston, Mass. Leather in the piece. 202,169; Oct. 14.

Heinemann, Frank, doing business as Loxaleak Co., Chicago, Ill. Liquid for closing leaks in radiators and water jackets. 201,630; Oct. 14.

Hector and Blue, Ottawa, Ohio. Cough sirup. 181,892; Oct. 14.

Hope Webbing Company, Pawtucket and Providence, R. I. Radio antenna. 201,085; Oct. 14.

Houston Drug Co., Houston, Tex. Boracic acid, alum, bluestone, borax, copperas, etc. 190,296; Oct. 14.

Hofsa, Joseph F., Chicago, Ill. Ointment for burns. 201,664; Oct. 14.

Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish and dried fruits. 193,709; Oct. 14.

International Auto Equipment Co. Inc., Brooklyn, N. Y. Windshield cleaners. 199,627; Oct. 14.

Jackson-Wheeler Metals Service, Brooklyn, N. Y. Bearing alloys and white-metal alloys. 200,719; Oct. 14.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Lacquer, enamels, thinner, primer, and undercoat. 197,941; Oct. 14.

Jones, Witter and Company, The, Columbus, Ohio. Ladies' hosiery. 201,563; Oct. 14.

Judith, Joseph H., doing business as The J. H. Judith Co., Evansville, Ind. Extract of malt and hops. 201,704; Oct. 14.

Kasser, Samuel, Philadelphia, Pa. Malt extract and sirup. 199,704; Oct. 14.

Kaustine Company, Inc., Buffalo, N. Y. Garbage cans. 201,349; Oct. 14.

Kimball, Ira M., doing business as Universal Drug Co., Memphis, Tenn. Complexion ointment. 201,501; Oct. 14.

Klein, Joseph, Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Birch beer, cream soda, lemon soda, etc. 200,623; Oct. 14.

Klein, Joseph, Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Aerated distilled water for drinking purposes and distilled water for electric storage batteries. 200,624; Oct. 14.

Klein, Joseph, Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Birch beer, cream soda, lemon soda, etc. 200,625; Oct. 14.

Kopper Kraft Shops, Inc., The, Buffalo, N. Y. Book ends constructed wholly or partially of metal. 202,020; Oct. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Kramer Hatchery Company, The, Fairmont, Minn. Baby chicks. 200,992; Oct. 14.
 Kramer, M. J., Rio Luda, Calif. Chicks. 200,991; Oct. 14.
 Krannert, Victor L., doing business as Mallard Products Company, Anderson, Ind. Shipping container. 201,456; Oct. 14.
 Kraus, Walter S., New York, N. Y. Construction columns, blocks, bricks, etc. 201,405; Oct. 14.
 La Lavandina Washing Water Co. (See Alaura, Cosmo.)
 Lang & Co., Portland, Oreg. Candy. 198,647; Oct. 14.
 Largal Company, Findlay, Ohio. Foot powder. 197,605; Oct. 14.
 Laundry Products Corp., New York, N. Y. Laundry blue. 200,950; Oct. 14.
 Larino, E. J., and Company, Philadelphia, Pa. Chrome ore. 201,762; Oct. 14.
 Lawrence, W. W., and Company, Pittsburgh, Pa. Varnish stain. 201,352; Oct. 14.
 Lawrence, W. W., and Company, Pittsburgh, Pa. Paint and varnish removers. 201,353; Oct. 14.
 Liebsteln, Abraham M., New York, N. Y. Preparation for the treatment of wounds, gangrene, and allied conditions. 201,357; Oct. 14.
 Lier, Leopold B., doing business as Royal Brand Paste Factory, New Orleans, La. Noodles. 196,599; Oct. 14.
 Locke and Green, Portland, Oreg. Stain cover. 185,902; Oct. 14.
 Lord & Taylor, New York, N. Y. Dresses, coats, suits, blouses, shirts, and capes. 201,148; Oct. 14.
 Louisville Provision Company, Inc., Louisville, Ky. Hams, bacon, lard, and sausage. 199,069; Oct. 14.
 Loxnleak Co. (See Heinemann, Frank.)
 Luce, Leroy W., Vineyard Haven, Mass. Candy. 201,003; Oct. 14.
 Lull Remedy Co., The. (See Gish, Carl K.)
 Macy, R. H., & Co., Inc., New York, N. Y. Men's athletic underwear. 200,723; Oct. 14.
 Malldwell Brassiere Company, New York, N. Y. Brasieres and bandeaux. 199,349; Oct. 14.
 Mallard Products Company. See Krannert, Victor L.)
 Master Lubricants Company. (See Hazenbaugh, William D.)
 May Department Stores Company, The, St. Louis, Mo. Ladies' dresses. 201,200; Oct. 14.
 McDaniel, Robert, Los Angeles, Calif. Cigars, cigarettes, tobacco. 200,270; Oct. 14.
 McFadden, James H., Mount Vernon, S. Dak. Pocket-knives and attachments therefor. 199,121; Oct. 14.
 McGann, William, Detroit, Mich. Malt sirup. 197,035; Oct. 14.
 Merck, E., Darmstadt, Germany. Cocaine. 201,006; Oct. 14.
 Merkle Broom Co., Paris, Ill. Brooms. 201,994; Oct. 14.
 Middle West Coal Company, Cincinnati, Ohio. Coal. 202,070-2; Oct. 14.
 Mitchell Clay Mfg. Co., St. Louis, Mo. Fire brick, furnace linings, etc., used in the construction of glass and zinc and similar furnaces. 202,133; Oct. 14.
 Morgenstern & Company, New York, N. Y. Emulsions of the therapeutic bacilli. 199,077; Oct. 14.
 Morton, R. G., & Son, Zanesville, Ohio. Seat and top dressing. 198,665; Oct. 14.
 Munro & Harford Co., The, New York, N. Y. Commercial prints, advertising insertions, and printed and lithographed labels. 201,463; Oct. 14.
 Music Illustrated Review Corporation, New York, N. Y. Monthly publication. 196,181; Oct. 14.
 National Drug Distributing Syndicate. (See Von Dancz, Denes O.)
 Nequette Orange Circle Co., Arlington, Calif. Orange preserves. 202,073; Oct. 14.
 North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Wheat flour. 195,590; Oct. 14.
 North Platte Flour Mills, North Platte, Nebr. Wheat flour. 201,232; Oct. 14.
 O-T Manufacturing Company. (See Tanner, Arnold J.)
 Oklahoma State Map & Publishing Company, The, Oklahoma City, Okla. Maps. 198,817; Oct. 14.
 Olney & Floyd, Westerville, N. Y. Canned fruits and vegetables. 197,216; Oct. 14.
 Olympia Canning Company, Olympia, Wash. Canned fruits. 192,417; Oct. 14.
 Oriental Bottling Works. (See Klein, Joseph Jr.)
 Oringer, George, Boston, Mass. Beverages and sirups for making same. 199,241; Oct. 14.
 Owen, R. C., Hartsville, Tenn. Tobacco. 200,896; Oct. 14.
 Page, L. C., & Company, Boston, Mass. Annual publication book. 200,724; Oct. 14.
 Parfumerie Roger & Gallet, Paris, France. Soaps, soap pastes, and soap powders. 195,504; Oct. 14.
 Park Bros. Inc., Portland, Oreg. Axle and cup grease, lubricating oils, etc. 185,906; Oct. 14.
 Pennsylvania Chocolate Company, Pittsburgh, Pa. Chocolate, chocolate coating, chocolate liquor, etc. 159,529; Oct. 14.

Pennsylvania Rubber Company, Jeannette, Pa. Rubber tires for vehicles. 189,137; Oct. 14.
 People's Shoe Stores Co., The, St. Louis, Mo. Hosiery. 201,011; Oct. 14.
 Pep-Tone Corporation of America, The, Tampa, Fla. Carbonated, maltless, nonalcoholic beverage and sirups for making the same. 201,714; Oct. 14.
 Phillips-Jones Corporation, New York, N. Y. Shirts, pyjamas, and boys' blouses. 201,304-5; Oct. 14.
 Pillsbury Flour Mills Company, Minneapolis, Minn. Cereal foods. 201,205; Oct. 14.
 Plalmar Limited, West Perth, Western Australia, Australia. Essential oils used in medicine and pharmacy. 200,726; Oct. 14.
 Pond, E. K., Company, Chicago, Ill. Pickled pigs' feet. 200,521; Oct. 14.
 Powell, C. A., & Company, Trenton, N. J. General tonic. 201,577; Oct. 14.
 Prunitone Laboratories, The. (See Worthen, Clarence E.)
 Pyrorochrome Chemical Co. (See Foster, Edwin T.)
 Rapid Bottle Washer Company, The, Delphos, Ohio. Bottle-washing machines. 194,946; Oct. 14.
 Rawleigh, W. T., Company, The, Freeport, Ill. Perfume and toilet waters. 198,965; Oct. 14.
 Red Fox Orchards, Orange, Calif. Oranges. 202,143; Oct. 14.
 Reliable Grocery Company, Inc., Philadelphia, Pa. Canned vegetables, olives, mustard, peanut butter, sauerkraut. 199,437; Oct. 14.
 Reuben's Pure Food Shop, Inc., New York, N. Y. Nuts, salads, and sandwiches. 178,870; Oct. 14.
 Rogers, Charles P., & Co., Inc., New York, N. Y. Upholstered box springs and mattresses. 202,181; Oct. 14.
 Rogers-Elkhorn Coal Company, Virgie, Ky. Coal. 196,076; Oct. 14.
 Rogerson, Wallace M., Chicago, Ill. Bread. 182,720; Oct. 14.
 Rohdick, John, New York, N. Y. Ice and roller skates. 199,129; Oct. 14.
 Root, Charles F., doing business as Chas. F. Root & Co., New York, N. Y. Tablet or pill for indigestion. 201,585; Oct. 14.
 Rotary Machine & Engineering Co., The, Cleveland, Ohio. Pumps for air or liquids. 174,863; Oct. 14.
 Royal Brand Paste Factory. (See Lier, Leopold B.)
 San Francisco Sulphur Co., San Francisco, Calif. Sulphur. 201,588; Oct. 14.
 Schiffman, A., & Sons, New York, N. Y. Fur trimmings. 199,765; Oct. 14.
 Schuckl & Co., Inc., San Francisco, Calif. Canned fruits. 202,036; Oct. 14.
 Scientific Products, Inc., Chicago, Ill. Magnesia preparation. 201,589; Oct. 14.
 Seibert, Finley P., doing business as F. Page Seibert, Philadelphia, Pa. Medicinal treatment for constipation. 201,104; Oct. 14.
 Shapleigh Hardware Company, St. Louis, Mo. Fishlines. 199,807; Oct. 14.
 Sheaffer & Marvel, Philadelphia, Pa. Butter, eggs, cheese, and olive oil. 201,513; Oct. 14.
 Silverstripe Co., Inc., The. (See Douglas-Mack, Chas., Co.)
 Sledge, Mrs. Oscar C., Smithville, Tex. Coat and trousers in one piece. 199,328; Oct. 14.
 Smith, H. Clarence, Pittsburgh, Pa. Medical preparation for the muscles and tissues. 197,689; Oct. 14.
 Smithfield Company, Inc., The, Smithfield, Va. Hams. 201,061; Oct. 14.
 Standard Pyroxoloid Corporation, Leominster, Mass. Hair, tooth, and clothes brushes. 200,291; Oct. 14.
 State Mill and Elevator. (See North Dakota Mill and Elevator Association.)
 Straus, Eugene, Cabinet Works, Incorporated, Louisville, Ky. Show cases. 196,486; Oct. 14.
 Strombeck-Becker Manufacturing Company, Moline, Ill. Toy blocks. 200,835; Oct. 14.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins and dried fruit. 201,110; Oct. 14.
 Sutro, E., & Son Company, Inc., Philadelphia, Pa. Hosiery. 201,417; Oct. 14.
 Swift and Company, Chicago, Ill. Sausage. 200,787; Oct. 14.
 Tanner, Arnold J., doing business as O-T Manufacturing Company, New Haven, Conn. Can openers. 201,519; Oct. 14.
 Thompson, Alfred C., doing business as The Thompson Chemical Co., Colton, S. Dak. General tonic for chickens. 200,533; Oct. 14.
 Thompson, John W., Portland, Oreg. Laxative tablets. 201,599; Oct. 14.
 Thurman, Beverly H., Southwest City, Mo. Metal and plaster of Paris busts. 196,890; Oct. 14.
 United States Gypsum Company, Chicago, Ill. Plaster board and plaster wall board. 202,155; Oct. 14.
 Universal Drug Co. (See Kimball, Ira M.)
 Viking Oil Products Company, Charleston, W. Va. Gasoline. 194,962; Oct. 14.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Vlopake Co., Inc., New York, N. Y. Ophthalmic lenses and the blanks from which the same are cut. 198,770; Oct. 14.
 Von Dancz, Denes O., doing business as National Drug Distributing Syndicate, Brooklyn, N. Y. Antiseptic and germicide foot salve and remedies. 194,315; Oct. 14.
 Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes and toilet creams. 200,913; Oct. 14.
 Washburn Crosby Company, Minneapolis, Minn. Stock feed. 191,109; Oct. 14.
 Webster, William A., Company, Memphis, Tenn. Face and talcum powders, beauty, cold, and dental creams. 199,510; Oct. 14.
 Weigand, Otto F., doing business as C. A. Weigand, Philadelphia, Pa. Window shades. 200,349; Oct. 14.
 Welnerth Knitting & Machine Co., Inc., Reading, Pa. Ladies' hosiery. 200,916; Oct. 14.
 Welnerth Knitting & Machine Co., Inc., Reading, Pa. Ladies' hosiery. 201,215; Oct. 14.

Western Hair Goods Company, Chicago, Ill. Hair goods. 201,268; Oct. 14.
 Western Safety Razor Company, Los Angeles, Calif. Safety razors and safety-razor blades. 201,941; Oct. 14.
 Westfall, Frederick C., Buffalo, N. Y. Laundry and general cleaning preparations. 186,260; Oct. 14.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,904; Oct. 14.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,921; Oct. 14.
 Willesen Manufacturing Company, Malden, Mass. Soaps. 202,088; Oct. 14.
 Williams, R. C., & Company, Inc., New York, N. Y. Cider, ginger ale, grape juice, root beer. 195,251; Oct. 14.
 Wischmeyer, Mrs. Chester C., Andrews, Ind. Lingerie clasps. 200,233; Oct. 14.
 Worthen, Clarence E., doing business as The Prunitone Laboratories, Malden, Mass. Liquid tonic medicine and pills for dyspepsia, etc. 199,733; Oct. 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Asphaltic compound for sealing batteries, etc. Standard Oil Co. 190,623; Oct. 14.
 Coal, coke, lignite, etc. American Smelting & Refining Company. 190,462; Oct. 14; Serial No. 196,422; published Aug. 5, 1924.
 Furs. M. Lazow. 190,489; Oct. 14; Serial No. 197,438; published July 29, 1924.

CLASS 4.

Abrasive papers and cloths. Herman Behr & Company. 190,613; Oct. 14; Serial No. 197,129; published July 29, 1924.
 Banjo and drumhead cleaner. J. W. Nicomede. 190,465; Oct. 14; Serial No. 196,254; published Aug. 5, 1924.
 Cleaning powder. Chamberlain Company. 190,428; Oct. 14; Serial No. 197,801; published July 29, 1924.
 Compound for covering the hands. Special. Peterson-Kintner Company. 190,606; Oct. 14; Serial No. 197,341; published July 29, 1924.
 Cream, Shaving. United Retail Chemists Corporation. 190,499; Oct. 14; Serial No. 197,635; published July 29, 1924.
 Polish, scouring powders, etc. Metal and stove. J. D. Broza. 190,532; Oct. 14; Serial No. 193,442; published May 6, 1924.
 Polish, Shoe. R. S. Searls. 190,498; Oct. 14; Serial No. 197,623; published July 29, 1924.
 Polish, Stove. J. L. Prescott Company. 190,639; Oct. 14; Serial No. 197,341; published July 29, 1924.
 Polishing and buffing compound. E. Reed Burns Mfg. Corp. 190,445; Oct. 14; Serial No. 197,359; published Aug. 5, 1924.
 Preparation for cleaning glassware, etc. Glasnamel Company. 190,356; Oct. 14; Serial No. 197,807; published Aug. 5, 1924.
 Shaving creams and soaps. Geo. A. Schmidt & Co. 190,418; Oct. 14; Serial No. 198,383; published July 29, 1924.
 Soap. Kerosope Company. 190,495; Oct. 14; Serial No. 197,602; published July 29, 1924.
 Soap. Park & Tilford. 190,524; Oct. 14; Serial No. 191,715; published July 29, 1924.
 Soap. Procter and Gamble Company. 190,359; Oct. 14; Serial No. 197,769; published Aug. 5, 1924.
 Soap. Washee Products Corporation. 190,494; Oct. 14; Serial No. 197,573; published July 29, 1924.
 Window cleaner. I. K. Schall. 190,424; Oct. 14; Serial No. 197,777; published July 29, 1924.

CLASS 6.

Ammonia. Mathieson Alkali Works. 190,402; Oct. 14; Serial No. 198,018; published July 29, 1924.
 Ammonia. Old Witch Company. 190,607; Oct. 14; Serial No. 197,339; published July 29, 1924.
 Antiseptic healing cream. Atlanta Barbers Supply Co. 190,570; Oct. 14; Serial No. 196,638; published July 29, 1924.
 Antiseptic, Prophylactic. Jalex Manufacturing Co. 190,377; Oct. 14; Serial No. 198,526; published Aug. 5, 1924.
 Balsam, Lung. J. P. Ardelean. 190,431; Oct. 14; Serial No. 197,857; published July 29, 1924.
 Bedding exterminator, roach-killer powder, and ant killer. L. Shapiro. 190,308; Oct. 14; Serial No. 179,684; published July 29, 1924.
 Rollers, Compound for preventing and removing scale from. E. R. Williams. 190,604; Oct. 14; Serial No. 197,347; published July 29, 1924.
 Capsules, Gelatin or other coated. Lafayette Pharmacal Co. 190,444; Oct. 14; Serial No. 197,544; published Aug. 5, 1924.

Chemical composition for destroying insects. H. B. Nowlin. 190,410; Oct. 14; Serial No. 198,244; published July 29, 1924.
 Chemical preparation for the skin. Comfort Mfg. Co. 190,492; Oct. 14; Serial No. 197,533; published July 29, 1924.
 Chemicals. New Brunswick Chemical Company. 190,538; Oct. 14; Serial No. 195,430; published July 29, 1924.
 Cramp and diarrhea compound. S. D. Vansickle. 202,225; renewed Mar. 12, 1925.
 Cream, facial steams, and shampoo, etc. Face and massage. J. M. Heacock. 190,615; Oct. 14; Serial No. 197,077; published July 29, 1924.
 Creams, Cleansing. A. J. Krank. 190,626; Oct. 14; Serial No. 197,077; published July 29, 1924.
 Creams, Lemon, vanishing, and skin and tissue. A. Balsam. 190,632; Oct. 14.
 Dentifrices. C. Bergstresser. 190,420; Oct. 14; Serial No. 198,394; published Aug. 5, 1924.
 Deodorizer, solvent pipe cleaner, etc. Sulpho-Naphthol Company. 190,574; Oct. 14; Serial No. 190,410; published Aug. 5, 1924.
 Depilatory, Cream. E. I. Mitchell. 190,438; Oct. 14; Serial No. 197,949; published July 29, 1924.
 Disinfectant liquids. D. N. Hitchcock. 190,316; Oct. 14; Serial No. 188,678; published Aug. 5, 1924.
 Disinfectants. C. M. Renkert. 190,299; Oct. 14; Serial No. 175,679; published July 29, 1924.
 Disinfectants, insecticides, etc. Vestal Chemical Company. 190,608; Oct. 14; Serial No. 197,307; published July 29, 1924.
 Facial clay, cold cream, and vanishing cream. Peacock Products, Not Inc. 190,526; Oct. 14; Serial No. 191,908; published July 29, 1924.
 Finger-nail polish, Liquid. W. E. Gordon. 190,305; Oct. 14; Serial No. 178,177; published July 29, 1924.
 Flux for metallurgical treatment, Purifying. Superior Foundry Supply Company. 190,537; Oct. 14; Serial No. 195,201; published July 29, 1924.
 Foot cream. F. A. Koch. 190,488; Oct. 14; Serial No. 197,437; published July 29, 1924.
 Hairdressing. M. Candler. 190,413; Oct. 14; Serial No. 198,286; published Aug. 5, 1924.
 Hairdressing compound. Big E Laboratories. 190,427; Oct. 14; Serial No. 197,797; published July 29, 1924.
 Hair grower. E. Griffin. 190,401; Oct. 14; Serial No. 198,002; published Aug. 5, 1924.
 Hair grower, shampoo cream, and hair pressing oil. A. B. Kinkade. 190,436; Oct. 14; Serial No. 197,944; published July 29, 1924.
 Hair pomades. T. O. Williams. 190,302; Oct. 14; Serial No. 177,341; published Aug. 5, 1924.
 Hair tonic. Atlanta Barbers Supply Co. 190,568-9; Oct. 14; Serial Nos. 196,640-1; published July 29, 1924.
 Hair tonic. E. Bickman. 190,404; Oct. 14; Serial No. 198,051; published July 29, 1924.
 Hair tonic. E. De Priest. 190,442; Oct. 14; Serial No. 197,997; published July 29, 1924.
 Hair tonic. Gilman-Bruette Co. 190,527; Oct. 14; Serial No. 192,532; published July 29, 1924.
 Hair tonic. J. Muscolino. 190,434; Oct. 14; Serial No. 197,893; published July 29, 1924.
 Hair tonics and face lotions. Atlanta Barbers Supply Co. 190,572; Oct. 14; Serial No. 196,636; published July 29, 1924.
 Injection for venereal diseases. H. F. Bader. 190,314; Oct. 14; Serial No. 189,233; published Feb. 19, 1924.
 Insecticide and deodorant. W. T. Johns. 190,528; Oct. 14; Serial No. 192,842; published Aug. 5, 1924.
 Insecticides and fungicides. Earp-Thomas Cultures Corporation. 190,326; Oct. 14; Serial No. 181,063; published July 29, 1924.

Laxative and bowel regulator. Graham Sanitarium, Inc. 190,490; Oct. 14; Serial No. 197,481; published July 22, 1924.

Laxative cold tablets, catarrhal cream, etc. E. C. De Witt & Co. 190,422; Oct. 14; Serial No. 198,456; published Aug. 5, 1924.

Laxatives. H. C. Yockey. 190,603; Oct. 14; Serial No. 197,348; published July 22, 1924.

Lime. Ash Grove Lime and Portland Cement Company. 190,573; Oct. 14; Serial No. 190,423; published July 29, 1924.

Liniment. E. D. Gast. 190,312; Oct. 14; Serial No. 190,014; published Aug. 5, 1924.

Liniment for horse ailments. Dr. Reed Liniment Company. 190,618; Oct. 14; Serial No. 197,047; published July 22, 1924.

Lotion. Cleansing skin. Orchidew Corporation. 190,439; Oct. 14; Serial No. 197,953; published July 22, 1924.

Lyes and drain solvents. Lightning Lye Co. 190,576; Oct. 14; Serial No. 196,345; published July 22, 1924.

Massage cream. Atlanta Barbers Supply Co. 190,571; Oct. 14; Serial No. 196,637; published July 22, 1924.

Medicinal preparation. J. G. Gatlin. 190,610; Oct. 14; Serial No. 197,271; published July 22, 1924.

Medicinal preparation. J. Muckerjee. 190,417; Oct. 14; Serial No. 198,377; published Aug. 5, 1924.

Medicinal preparation and tonic for the stomach. A. E. Buenger. 190,529; Oct. 14; Serial No. 193,150; published July 29, 1924.

Medicinal preparation for rheumatism, gout, etc. E. C. De Witt & Co. 190,486; Oct. 14; Serial No. 197,421; published July 22, 1924.

Medicine for ailments of the stomach and bowel system. Jos. M. Plumery Co. 190,354; Oct. 14; Serial No. 197,902; published Aug. 5, 1924.

Medicine for coughs, catarrh of the stomach, etc. F. Anfinger. 190,426; Oct. 14; Serial No. 197,794; published July 29, 1924.

Medicine for itching scalp, dandruff, etc. G. S. Smyth. 190,435; Oct. 14; Serial No. 197,911; published July 22, 1924.

Medicine for rheumatism, etc. Saenger Drug Company. 190,575; Oct. 14; Serial No. 196,351; published July 22, 1924.

Mouth wash. Myrrh-Lyptol Co. 190,533; Oct. 14; Serial No. 193,611; published July 22, 1924.

Oil. Mineral. Standard Oil Company (New Jersey). 190,491; Oct. 14; Serial No. 197,502; published July 22, 1924.

Oil. Rubbing-in. P. W. Moomaw. 190,578; Oct. 14; Serial No. 196,252; published July 22, 1924.

Oils. Natural and synthetic liquid flower. Edward T. Reiser Company. 190,450; Oct. 14; Serial No. 196,502; published Aug. 5, 1924.

Ointment for use on the scalp and hair. Blackmore Company. 190,412; Oct. 14; Serial No. 198,282; published July 29, 1924.

Ointments. Base for. P. Biersdorf & Co. 190,484; Oct. 14; Serial No. 197,409; published July 22, 1924.

Olive shampoo, witch-hazel, styptic pencils, etc. Daniel R. Makrauer Barber Supply Co. 190,567; Oct. 14; Serial No. 196,667; published July 22, 1924.

Ornithological preparations. Wilson Seed and Floral Company. 190,304; Oct. 14; Serial No. 178,155; published July 29, 1924.

Papaverine nitrate and salts, etc. C. H. Boehringer Sohn. 190,298; Oct. 14; Serial No. 174,061; published Aug. 5, 1924.

Perfume extracts, toilet waters, face lotions, etc. M. Babani. 190,406; Oct. 14; Serial No. 198,608; published Aug. 5, 1924.

Perfumes, powders, rouges, etc. Saussier, Inc. 190,357-8; Oct. 14; Serial Nos. 197,775-6; published Aug. 5, 1924.

Perfumes, toilet waters, toilet lotions, etc. J. Brach. 190,405; Oct. 14; Serial No. 198,560; published Aug. 5, 1924.

Perfumes, toilet waters, tooth powders, etc. Babbitt Company. 190,534; Oct. 14; Serial No. 194,246; published June 17, 1924.

Pharmaceutical preparations. Coast Chemical Company. 190,602; Oct. 14; Serial No. 197,362; published July 22, 1924.

Phenols and formaldehyde. Condensation products of. Bakelite Corporation. 190,416; Oct. 14; Serial No. 198,336; published Aug. 5, 1924.

Pills. M. M. Hardenberg. 190,616; Oct. 14; Serial No. 197,075; published Aug. 5, 1924.

Pomade for straightening the hair. Aurcola Laboratories, Inc. 190,313; Oct. 14; Serial No. 189,348; published July 29, 1924.

Powder. Complexion. F. H. Smith. 190,612; Oct. 14; Serial No. 197,174; published July 22, 1924.

Powder, face. Lady Esther Co. 190,307; Oct. 14; Serial No. 179,538; published July 22, 1924.

Powder, face. L. Philippe. 190,523; Oct. 14; Serial No. 191,568; published July 29, 1924.

Powder, foot. M. A. Jackson. 190,329; Oct. 14; Serial No. 180,222; published Aug. 5, 1924.

Powder, liver pills, etc. Headache. Sordis Pharmacy Co. 190,440; Oct. 14; Serial No. 197,965; published July 22, 1924.

Powder, perfumes, etc. Face. Gimbel Brothers, New York. 190,303; Oct. 14; Serial No. 177,842; published July 22, 1924.

Powder, toilet. Silica Gel Products Corporation. 190,425; Oct. 14; Serial No. 197,785; published July 22, 1924.

Powders and toilet water, face and talcum. Marinello Company. 190,321; Oct. 14; Serial No. 186,324; published July 22, 1924.

Powders, face. Kala Company. 190,580; Oct. 14; Serial No. 195,645; published July 22, 1924.

Powders, toilet. French Cosmetic Mfg. Co. 190,611; Oct. 14; Serial No. 197,269; published July 22, 1924.

Preparation for a douche for vaginal disorders. Vincent Drug Company. 190,294; Oct. 14; Serial No. 164,281; published Aug. 14, 1923.

Preparation for boiling cotton fabrics. Arabol Mfg. Co. 190,409; Oct. 14; Serial No. 198,208; published July 29, 1924.

Preparation for cramps. G. F. Scott. 190,320; Oct. 14; Serial No. 187,021; published July 29, 1924.

Preparation for driving away rats and other rodents. G. W. Hauser. 190,429; Oct. 14; Serial No. 197,813; published July 22, 1924.

Preparation for hay fever and catarrh. Pom-Phona Remedy Co. 190,535; Oct. 14; Serial No. 194,660; published July 22, 1924.

Preparation for rheumatism, lumbago, etc. M. Castagno. 190,448; Oct. 14; Serial No. 196,602; published Aug. 5, 1924.

Preparation for shaving and skin-healing purposes. Hamlin & Adams. 190,365-6; Oct. 14; Serial Nos. 197,273-4; published Aug. 5, 1924.

Preparation for the skin. John T. Milliken & Co. 190,300; Oct. 14; Serial No. 176,562; published July 22, 1924.

Preparation for the treatment of coughs, colds, etc. L. K. Yoder. 190,378; Oct. 14; Serial No. 198,042; published Aug. 5, 1924.

Preparation for the treatment of pyorrhea, etc. J. Weisberger. 190,605; Oct. 14; Serial No. 197,346; published July 22, 1924.

Preparation for treating corns. F. N. McCurtain. 190,638; Oct. 14.

Preparation for treatment of catarrhal affections. Veritas Remedy Co. 190,441; Oct. 14; Serial No. 197,972; published July 22, 1924.

Preparation for nervous diseases. M. Vicenzi. 190,525; Oct. 14; Serial No. 191,858; published July 29, 1924.

Purgatives. Tab-U-Need Company. 190,609; Oct. 14; Serial No. 197,303; published July 29, 1924.

Radio compound or cement. Government Square Garage Company. 190,311; Oct. 14; Serial No. 190,541; published July 22, 1924.

Remedy for affections or disorders of the kidneys, etc. and a laxative pill. A. M. Maloney. 190,327; Oct. 14; Serial No. 180,612; published July 22, 1924.

Remedy for constipation, sour stomach, etc. M. J. Vidal. 190,411; Oct. 14; Serial No. 198,271; published July 29, 1924.

Remedy for ivy poisoning. W. Ede. 190,563; Oct. 14; Serial No. 196,943; published July 22, 1924.

Remedy for la grippe, coughs, and colds. Vick Medicine Company. 190,376; Oct. 14; Serial No. 198,598; published Aug. 5, 1924.

Salt, baking powder, and baking soda. Creamette Company. 190,536; Oct. 14; Serial No. 194,978; published Aug. 5, 1924.

Salve. H. Gill. 190,391; Oct. 14; Serial No. 188,362; published Aug. 5, 1924.

Salve for pneumonia, etc. R. T. Yates. 190,617; Oct. 14; Serial No. 197,057; published July 22, 1924.

Shampoo. S. C. Sorensen. 190,621; Oct. 14; Serial No. 196,986; published July 29, 1924.

Shampoo powders. Geo. A. Schmidt & Co. 190,410; Oct. 14; Serial No. 198,384; published Aug. 5, 1924.

Shampoo preparation. Mrs. M. P. Fitzgerald. 190,325; Oct. 14; Serial No. 181,524; published July 29, 1924.

Shampoos. Beanti-Craft Co. 190,581; Oct. 14; Serial No. 195,628; published July 22, 1924.

Shampoos. West Electric Hair Curler Company. 190,483; Oct. 14; Serial No. 197,402; published July 29, 1924.

Sizing, finishing, and detergent preparation for fabrics. Arabol Mfg. Co. 190,408; Oct. 14; Serial No. 198,206; published July 29, 1924.

Soldering composition. J. Laewen. 190,328; Oct. 14; Serial No. 180,609; published July 22, 1924.

Solutions and compounds containing germanium oxide. Grahame Chemical Company. 190,414; Oct. 14; Serial No. 198,302; published July 29, 1924.

Sulphur liquid compound. Pep Chemical Co. 190,315; Oct. 14; Serial No. 191,280; published July 22, 1924.

Tablet for increasing the efficiency of gasoline. Hy-Gas Laboratories, Inc. 190,362; Oct. 14; Serial No. 197,066; published Aug. 5, 1924.

Tablet, reducing. Frohwein Pharmacy Inc. 190,471; Oct. 14; Serial No. 195,440; published Aug. 5, 1924.

Tablets and a preparation for use as an antiseptic, etc. Throat. Middle West Laboratories. 190,579; Oct. 14; Serial No. 195,756; published July 22, 1924.

Tablets, cold. Ukemco Corporation. 190,620; Oct. 14; Serial No. 196,983; published July 22, 1924.

Tablets, headache. Ukemco Corporation. 190,619; Oct. 14; Serial No. 196,994; published July 22, 1924.

Tonic for stomach disorders. William Vassel Co. 190,539; Oct. 14; Serial No. 195,469; published July 22, 1924.

Tonic, stomach. E. R. Lamparter. 190,437; Oct. 14; Serial No. 197,946; published July 22, 1924.

Tooth paste and powder and mouth wash. Sladent Inc. 190,421; Oct. 14; Serial No. 198,426; published Aug. 5, 1924.

Wafers, headache and neuralgia. A. Ackermann. 190,540; Oct. 14; Serial No. 195,474; published July 29, 1924.

Washes, face. J. B. Williams Company. 190,403; Oct. 14; Serial No. 198,041; published Aug. 5, 1924.

Wax and washing tablets, ironing. W. R. Hollingshead Inc. 190,324; Oct. 14; Serial No. 181,689; published July 22, 1924.

Welding flux preparation. Liquid. E. E. Shafer. 190,565; Oct. 14; Serial No. 196,707; published July 22, 1924.

CLASS 7.

Twine, rope, and other cordage. Columbian Cordage Company. 25,928; renewed Jan. 29, 1925.

CLASS 11.

Carbon paper. Champion Conserver Company. 190,390; Oct. 14; Serial No. 189,239; published July 22, 1924.

Inks, printing. International Intaglio Corporation. 190,342; Oct. 14; Serial No. 195,229; published July 29, 1924.

Inks, thinning compound for printing. Senelth Ink Company. 190,474; Oct. 14; Serial No. 194,880; published July 22, 1924.

Typewriter ribbons. Impression Products Company. 190,482; Oct. 14; Serial No. 193,924; published July 22, 1924.

CLASS 12.

Brick, fire. Evans & Howard Fire Brick Co. 190,309; Oct. 14; Serial No. 179,995; published Oct. 23, 1923.

Building elements. A. H. Tashjian. 190,564; Oct. 14; Serial No. 196,775; published July 29, 1924.

Cedar products, Tennessee red. Chickamauga Cedar Co. 190,586; Oct. 14; Serial No. 193,095; published Oct. 23, 1923.

Cement, roof. H. Ruben. 190,552; Oct. 14; Serial No. 187,350; published Aug. 5, 1924.

Fire brick in a plastic form. Laclede-Christy Clay Products Company. 190,496; Oct. 14; Serial No. 197,603; published July 29, 1924.

Ironing-board cabinets. N. Paine. 190,551; Oct. 14; Serial No. 191,967; published Aug. 5, 1924.

Lime, cement, etc. Burned. Utah Lime & Stone Company. 190,559; Oct. 14; Serial No. 179,564; published Aug. 5, 1924.

Lumber, wooden shingles and flooring. Kirkpatrick Lumber & Timber Corp. 190,449; Oct. 14; Serial No. 196,525; published Aug. 5, 1924.

Marble and limestone. Carthage Marble and White Lime Company. 190,301; Oct. 14; Serial No. 176,601; published July 29, 1924.

Petroleum products for road surfacing. Benjamin Foster Company. 190,502; Oct. 14; Serial No. 197,739; published July 29, 1924.

Plastic-material forms, form spacers used for. Conform Spec. Co. 190,452; Oct. 14; Serial No. 196,236; published Aug. 5, 1924.

Refractory materials. Seaboard Refractories Company. 190,500; Oct. 14; Serial No. 197,687; published July 29, 1924.

Roofing felts, asphalt roofings, insulating papers, etc. Certain-Teed Products Corporation. 190,457; Oct. 14; Serial No. 194,975; published Aug. 5, 1924.

Shingles. Weatherbest Stained Shingle Co. 190,430; Oct. 14; Serial No. 197,852; published Aug. 5, 1924.

CLASS 13.

Baths, shower. H. B. Pitcher. 190,520; Oct. 14; Serial No. 198,757; published Aug. 5, 1924.

Beverage cooling and dispensing outfits, cereal. American Tap Bush Co. 190,582; Oct. 14; Serial No. 161,953; published Aug. 5, 1924.

Clamp and hinged bracket. Combined. D. Berkow. 190,515; Oct. 14; Serial No. 198,050; published Aug. 5, 1924.

Coffeepots. T. Miller. 190,506; Oct. 14; Serial No. 194,809; published Aug. 5, 1924.

Hydrants, street washers, drinking fountains, etc. Murdoch Mfg. & Supply Company. 190,587; Oct. 14; Serial No. 188,767; published Aug. 5, 1924.

Skylight gearing. D. Levow. 190,510; Oct. 14; Serial No. 197,762; published Aug. 5, 1924.

Table tops, enameled signs, etc. Vitreous Enameling Company. 190,584; Oct. 14; Serial No. 178,483; published Aug. 5, 1924.

Valves and pipe fittings. Eastwood Wire Manufacturing Company. 26,175; renewed Mar. 5, 1925.

CLASS 17.

Tobacco, cut and plug. S. Hyman. 26,068; renewed Feb. 19, 1925.

Tobacco, mixture of. L. L. Stoddard. 25,607; renewed Dec. 11, 1924.

CLASS 19.

Automobile accessories. Haines Manufacturing Corporation. 190,323; Oct. 14; Serial No. 185,210; published Feb. 19, 1924.

Automobile bumpers, bumper brackets and fittings, etc. Cox Brass Manufacturing Company. 190,293; Oct. 14; Serial No. 162,806; published Apr. 17, 1923.

Automobile tops and curtains. Ruob and Scheu. 190,501; Oct. 14; Serial No. 197,702; published July 29, 1924.

Bumpers, bumper brackets and fittings. Cox Brass Manufacturing Company. 190,292; Oct. 14; Serial No. 162,803; published Apr. 17, 1923.

Car windows, street. W. M. Hill. 190,544; Oct. 14; Serial No. 193,833; published Aug. 5, 1924.

Cars, railway. Pullman Company. 190,317; Oct. 14; Serial No. 188,377; published Feb. 26, 1924.

Oars and paddles. Anchor Sawmills Company. 190,353; Oct. 14; Serial No. 197,980; published Aug. 5, 1924.

Shock absorbers. Aerobelle Company. 190,322; Oct. 14; Serial No. 186,041; published Dec. 11, 1923.

Truck bodies, motor. Lee Trailer & Body Company. 190,547; Oct. 14; Serial No. 193,054; published Aug. 5, 1924.

Wheels and parts thereof, road and steering. Pierce-Arrow Motor Car Company. 190,290; Oct. 14; Serial No. 137,816; published June 21, 1921.

CLASS 21.

Alarms, electric theft. C. Rasmussen. 190,481; Oct. 14; Serial No. 193,958; published July 8, 1924.

Amplifiers, sockets, rheostats, switches, etc. General Radio Company. 190,477; Oct. 14; Serial No. 194,794; published July 22, 1924.

Automobile generator cut-outs. Automotive Manufacturers Outlet, Inc. 190,398; Oct. 14; Serial No. 171,748; published July 22, 1924.

Batteries, storage. Link & Hemrick, Inc. 190,370; Oct. 14; Serial No. 196,710; published July 29, 1924.

Commutator segments, copper bars and strips, etc. Finished. Anaconda Copper Mining Company. 190,393; Oct. 14; Serial No. 180,682; published July 22, 1924.

Condensers. Electric Service Engineering Corp. 190,503; Oct. 14; Serial No. 194,441; published July 8, 1924.

Condensers. F. M. Packwood. 190,480; Oct. 14; Serial No. 194,464; published July 8, 1924.

Condensers, neutralizing capacity. Chelton Electric Company. 190,478; Oct. 14; Serial No. 194,785; published July 22, 1924.

Condensers, variable. T. W. Binder. 190,472; Oct. 14; Serial No. 195,331; published July 22, 1924.

Dishwashing machines, electrical. Wonder Portable Dishwasher Company. 190,475; Oct. 14; Serial No. 194,832; published July 22, 1924.

Electric-lighting appliances, fixtures, lamps, and parts thereof. Ferro-Art Lighting Fixture Co. 190,385; Oct. 14; Serial No. 192,249; published July 22, 1924.

Electron tubes. F. S. McCullough. 190,463; Oct. 14; Serial No. 196,466; published July 22, 1924.

Inductance coils. Connecticut Telephone & Electric Company. 190,386; Oct. 14; Serial No. 191,224; published July 22, 1924.

Inductance coils, variable. T. W. Binder. 190,473; Oct. 14; Serial No. 195,330; published July 22, 1924.

Lamp sockets, incandescent-electric. Weber Electric Company. 190,583; Oct. 14; Serial No. 162,224; published July 22, 1924.

Lamps, electric. G. Weissmann. 190,369; Oct. 14; Serial No. 196,781; published July 29, 1924.

Lamps, electric-arc. American Krueger & Toll Corporation. 190,392; Oct. 14; Serial No. 184,432; published July 22, 1924.

Lamps, portable electric. Greist Mfg. Company. 190,504; Oct. 14; Serial No. 194,642; published July 8, 1924.

Motors, electric. Reinhard Electric Motor Company. 190,469; Oct. 14; Serial No. 195,910; published July 8, 1924.

Plugs, electrical, attachment, and switch. Beaver Machine & Tool Co., Inc. 190,371; Oct. 14; Serial No. 190,687; published July 29, 1924.

Radio accessories. M. Kossmann. 190,368; Oct. 14; Serial No. 196,814; published July 29, 1924.

Radio apparatus, devices for preventing interference in. Ferber Electric Co. 190,467; Oct. 14; Serial No. 196,109; published July 8, 1924.

Radio circuits, tuning inductances for. P. J. Kelly. 190,381; Oct. 14; Serial No. 193,837; published July 22, 1924.

Radio coupling coils, radiofrequency and audiofrequency transformers. Electric Service Engineering Corp. 190,601; Oct. 14; Serial No. 194,440; published July 8, 1924.

Radio equipment. Carter Radio Company. 190,383; Oct. 14; Serial No. 192,557; published July 22, 1924.

Radio equipment. Radio Frequency Laboratories, Inc. 190,466; Oct. 14; Serial No. 196,192; published July 8, 1924.

Radio loud speakers. R. B. Wheelan. 190,476; Oct. 14; Serial No. 194,830; published July 22, 1924.

Radio outfits, devices, and accessories. Polydyne Corporation. 190,597; Oct. 14; Serial No. 194,211; published July 22, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Radio outfits, devices, and accessories. Polydyne Corporation. 190,598; Oct. 14; Serial No. 194,212; published July 8, 1924.
 Radio outfits, devices, and accessories. Polydyne Corporation. 190,599-600; Oct. 14; Serial Nos. 194,214-15; published July 8, 1924.
 Radio receiving sets. F. J. Naylor. 190,367; Oct. 14; Serial No. 196,820; published July 29, 1924.
 Radio receiving sets and component parts thereof. Assembled. Aeolian Company. 190,399; Oct. 14; Serial No. 166,123; published July 22, 1924.
 Radio receiving sets and parts thereof. Melodyne Company. 190,470; Oct. 14; Serial No. 195,755; published July 22, 1924.
 Radio receiving sets and parts thereof, head telephones, and loud speakers. R. E. Thompson Manufacturing Company. 190,479; Oct. 14; Serial No. 194,631; published July 8, 1924.
 Radio receiving sets and sending sets and parts thereof. R. L. Jacobmeyer. 190,387; Oct. 14; Serial No. 191,177; published July 8, 1924.
 Radio transmitting and receiving apparatus. General Radio Winding Company. 190,389; Oct. 14; Serial No. 189,714; published July 22, 1924.
 Radio transmitting and receiving sets, coils, etc. Ware Radio Corporation. 190,382; Oct. 14; Serial No. 193,741; published July 22, 1924.
 Spark plug. Leich Electric Company. 190,380; Oct. 14; Serial No. 193,841; published July 8, 1924.
 Switches, electric safety. Trumbull-Vanderpoel Electric Mfg. Co. 190,384; Oct. 14; Serial No. 192,285; published July 8, 1924.
 Telephone loud speakers. Manhattan Electrical Supply Company. 190,388; Oct. 14; Serial No. 190,800; published July 22, 1924.
 Telephone receivers and loud talkers. Radio Industries Corporation. 190,464; Oct. 14; Serial No. 196,258; published July 22, 1924.
 Trolley wires, cables, etc., Ears, clamps, and hangers for suspending and supporting. Ohio Brass Company. 190,590; Oct. 14; Serial No. 191,563; published July 22, 1924.
 Vacuum cleaners and attachments. Robertson-Catact Electric Company. 190,395; Oct. 14; Serial No. 177,695; published July 22, 1924.

CLASS 23.

Automobile service stations. Apparatus for. J. H. Lowden. 190,588; Oct. 14; Serial No. 188,915; published Aug. 5, 1924.
 Carburetors. Linn Motor Device Company. 190,622; Oct. 14.
 Fertilizer distributors. L. D. Pender. 190,519; Oct. 14; Serial No. 198,756; published Aug. 5, 1924.
 Fire-sprinkler systems and parts thereof. Automatic Viking Corporation. 190,589; Oct. 14; Serial No. 189,340; published Aug. 5, 1924.
 Hoists. Wright Manufacturing Company. 190,331; Oct. 14; Serial No. 197,235; published July 22, 1924.
 Knives and forks, scissors, corkscrews, etc. Table. A. Feist. 190,521; Oct. 14; Serial No. 198,940; published Aug. 5, 1924.
 Labeling machines. N. Robinovitz. 190,512; Oct. 14; Serial No. 198,723; published Aug. 5, 1924.
 Ring spinning and twisting travelers. National Ring Traveler Co. 190,595-6; Oct. 14; Serial Nos. 194,117-18; published Aug. 5, 1924.
 Textile machinery. L. Martinage. 190,505; Oct. 14; Serial No. 194,808; published Aug. 5, 1924.
 Tools. Quality Tools Corporation. 190,593; Oct. 14; Serial No. 192,642; published Aug. 5, 1924.

CLASS 24.

Ironing boards. E. V. Sanders. 190,349; Oct. 14; Serial No. 188,775; published July 22, 1924.
 Laundry nets. Linn Thread Co. 190,346; Oct. 14; Serial No. 193,843; published July 8, 1924.
 Washboards. Columbus Washboard Company. 190,341; Oct. 14; Serial No. 195,496; published July 22, 1924.

CLASS 26.

Microscopes and fluid lenses. Scientific Apparatus Corporation. 190,509; Oct. 14; Serial No. 197,398; published Aug. 5, 1924.
 Picture films. Motion. Approved Pictures Corporation. 190,511; Oct. 14; Serial No. 197,982; published Aug. 5, 1924.
 Picture films. Motion. Approved Pictures Corporation. 190,514; Oct. 14; Serial No. 197,981; published Aug. 5, 1924.

CLASS 27.

Clocks and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 190,335; Oct. 14; Serial No. 197,073; published July 22, 1924.
 Watchcases. A. Kamion. 190,330; Oct. 14; Serial No. 197,435; published July 22, 1924.
 Watches, clocks, etc. Hoffman Bros. Inc. 190,343; Oct. 14; Serial No. 194,921; published July 22, 1924.
 Watches, watchcases, watch movements, and parts of same. "Lige" Watch Manufactory, Limited. 190,340; Oct. 14; Serial No. 195,647; published July 22, 1924.
 Watches, watch movements, etc. Elder Company. 190,337; Oct. 14; Serial No. 196,517; published July 22, 1924.

CLASS 28.

Bottles, jars, jugs, etc. Icy-Hot Bottle Company. 190,352; Oct. 14; Serial No. 167,636; published Oct. 9, 1923.
 Diamonds. Imitation. Garfield Importing Co. 190,348; Oct. 14; Serial No. 193,164; published July 22, 1924.
 Jewelry. Cohn & Rosenberger. 190,350; Oct. 14; Serial No. 185,812; published Feb. 12, 1924.
 Jewelry and precious-metal ware. Société Anonyme des Établissements Rouzand, Chocolat de Royat, "à la Marguise de Sévigné." 190,396; Oct. 14; Serial No. 177,204; published July 8, 1924.
 Pearls and pearl beads. Treulich & Klaas. 190,347; Oct. 14; Serial No. 193,313; published July 8, 1924.
 Rings, bracelets, etc. Finger. Katz & Ogush, Inc. 190,339; Oct. 14; Serial No. 195,693; published July 22, 1924.
 Rings, Finger. B. F. Bragan. 190,397; Oct. 14; Serial No. 176,249; published July 8, 1924.

CLASS 32.

Mattresses, pillows, cushions, and pads. R. H. White Company. 190,363; Oct. 14; Serial No. 197,405; published July 29, 1924.
 Racks for holding books, newspapers, etc. Adjustable. Adjustable Rack Company. 190,545; Oct. 14; Serial No. 193,748; published July 22, 1924.
 Springs. Harvey Manufacturing Company. 190,630; Oct. 14.

CLASS 34.

Blowtorches. H. J. Bagley. 190,513; Oct. 14; Serial No. 197,795; published Aug. 5, 1924.
 Blowers and fans. Coppus Engineering Corporation. 190,553; Oct. 14; Serial Nos. 183,735-6; published Aug. 5, 1924.
 Blowers and fans. Power-driven. Coppus Engineering Corporation. 190,554; Oct. 14; Serial No. 183,735; published Aug. 5, 1924.
 Filters. Air. Midwest Air Filters Inc. 190,542; Oct. 14; Serial No. 194,014; published Aug. 5, 1924.
 Furnaces and pipeless furnaces. Smyth-Despard Co. 190,546; Oct. 14; Serial No. 193,365; published Aug. 5, 1924.
 Furnaces. Floor. D. H. McCorkle Mfg. Co. 190,451; Oct. 14; Serial No. 196,312; published Aug. 5, 1924.
 Heaters, radiators, floor heaters, and furnaces. Gas. G. P. Schmitt. 190,543; Oct. 14; Serial No. 193,963; published Aug. 5, 1924.
 Reflectors, Metallic. Safety Car Heating & Lighting Company. 190,556; Oct. 14; Serial No. 181,090; published Aug. 5, 1924.
 Ventilators. J. A. Call. 190,372; Oct. 14; Serial No. 197,990; published Aug. 5, 1924.
 Ventilators. J. A. Call. 190,370; Oct. 14; Serial No. 197,991; published Aug. 5, 1924.
 Water. Apparatus for warming and heating. G. Ewart. 25,278; renewed Sept. 25, 1924.

CLASS 35.

Belt and air hose. Hamilton Rubber Manufacturing Company. 190,594; Oct. 14; Serial No. 193,920; published Aug. 5, 1924.
 Belting. Canvas. Allied Belting Company. 190,591; Oct. 14; Serial No. 191,806; published Aug. 5, 1924.
 Beltings, Balata and canvas. Victor Balata & Textile Belting Co. 190,454; Oct. 14; Serial No. 196,087; published Aug. 5, 1924.
 Packing and gaskets. Sheet. Vellumold Company. 190,549; Oct. 14; Serial No. 192,805; published Aug. 5, 1924.
 Packing. Cork pump and engine. Witherup Cork Packing Co. 190,614; Oct. 14; Serial No. 197,124; published July 29, 1924.
 Piston rings. La Crosse Motors Equipment Co. 190,557; Oct. 14; Serial No. 180,539; published Aug. 5, 1924.
 Piston rings. Torsion. Test Piston Ring Corporation. 190,558; Oct. 14; Serial No. 179,893; published Aug. 5, 1924.
 Rubber jar rings. K. W. P. Reece. 190,493; Oct. 14; Serial No. 197,500; published July 29, 1924.
 Tires. Pharis Tire & Rubber Co. 190,296; Oct. 14; Serial No. 169,263; published Mar. 13, 1923.
 Tires and inner tubes thereof. Pneumatic. National Tire & Rubber Company. 190,562; Oct. 14; Serial No. 196,964; published July 29, 1924.
 Tires and inner tubes thereof. Resilient vehicle. American Rubber and Tire Company. 190,585; Oct. 14; Serial No. 180,261; published Aug. 5, 1924.
 Tires and tire casings and inner tubes thereof. Pneumatic rubber. Corduroy Tire Company. 190,485; Oct. 14; Serial No. 197,417; published July 29, 1924.
 Tires and tubes. Champion Rubber Co. 190,432; Oct. 14; Serial No. 197,864; published July 29, 1924.

CLASS 36.

Harmonicas, Mouth. M. Hohner, Inc. 190,333-4; Oct. 14; Serial Nos. 197,202-3; published July 22, 1924.
 Mouth harmonicas. M. Hohner, Inc. 190,338; Oct. 14; Serial No. 196,116; published July 8, 1924.
 Music rolls, Perforated. Har-Mel Music Publishing Company. 190,344; Oct. 14; Serial No. 193,460; published July 22, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Pianos. Frank S. Botefuhr & Son. 190,345; Oct. 14; Serial No. 193,350; published June 17, 1924.

CLASS 37.

Paper, envelopes, and napkins. Writing. J. Hooz. 190,447; Oct. 14; Serial No. 196,809; published June 24, 1924.

CLASS 38.

Books or pamphlets. Saxophone Shop. 190,627; Oct. 14; Serial No. 195,578; published July 29, 1924.
 Folders. Advertising. J. C. Gross. 190,455; Oct. 14; Serial No. 195,578; published July 29, 1924.
 Magazine articles. Hardware Dealers' Magazine, Inc. 190,577; Oct. 14; Serial No. 196,341; published July 22, 1924.
 Magazine. Weekly. American Field Publishing Co. 190,361; Oct. 14; Serial No. 197,695; published July 29, 1924.
 Periodical. F. J. Brown. 190,453; Oct. 14; Serial No. 196,101; published July 29, 1924.
 Periodical. G. J. Hecht. 190,516; Oct. 14; Serial No. 198,408; published Aug. 5, 1924.

CLASS 39.

Arm bands, suspenders, hosiery, and belts. Greenbaum, Weil & Michels. 190,297; Oct. 14; Serial No. 169,592; published July 22, 1924.
 Belts. Gifford-Welfenbach Company. 190,300; Oct. 14; Serial No. 178,661; published July 22, 1924.
 Brassieres, bandeaux, and girdles. Weist-Brassiere Co. 190,629; Oct. 14.
 Clothing, Men's and boys'. Nat Luxenberg & Bros. 190,625; Oct. 14.
 Coats, dresses, scarfs, etc. Hudson Cloak & Suit Store. 190,636; Oct. 14.
 Corsets. Sears, Roebuck and Co. 190,310; Oct. 14; Serial No. 190,615; published July 22, 1924.
 Garments, Men's and boys' outer. J. W. Wein. 190,319; Oct. 14; Serial No. 187,074; published July 29, 1924.
 Gloves, Leather. California Glove Company. 190,400; Oct. 14.
 Gloves, Leather. Postman Company. 190,332; Oct. 14; Serial No. 197,218; published July 22, 1924.
 Hats and hatbands. William Carroll & Company. 190,628; Oct. 14.
 Hosiery. J. H. Blaetz. 190,291; Oct. 14; Serial No. 165,595; published Apr. 3, 1923.
 Hosiery, Ladies'. F. A. Smith. 190,541; Oct. 14; Serial No. 195,545; published July 8, 1924.
 Shirts. Cluett, Peabody & Co. 190,631; Oct. 14.
 Shirts. S. Liebovitz & Sons, Inc. 190,637; Oct. 14.
 Shoes. M. Samuels & Company. 190,634; Oct. 14.
 Shoes and slippers. Wall, Streeter & Doyle Co. 190,633; Oct. 14.
 Suits and overcoats for males. Driesen, Meyer & Oronsky. 190,487; Oct. 14; Serial No. 197,424; published July 29, 1924.
 Suits, hosiery, underwear, etc. Play. Smith, Blair & Gormly. 190,318; Oct. 14; Serial No. 188,331; published July 29, 1924.

CLASS 40.

Flowers, Artificial. Veterans of Foreign Wars of the United States. 190,364; Oct. 14; Serial No. 197,345; published July 29, 1924.
 Needles, Crochet and knitting. J. M. Ortega. 190,394; Oct. 14; Serial No. 180,024; published July 22, 1924.

CLASS 44.

Bottles, Nursing. Corning Glass Works. 190,518; Oct. 14; Serial No. 198,506; published Aug. 5, 1924.
 Catamenial bandages. L. Saldinger. 190,507; Oct. 14; Serial No. 197,116; published Aug. 5, 1924.
 Pads, Absorbent. Cellucotton Products Company. 190,517; Oct. 14; Serial No. 198,454; published Aug. 5, 1924.
 Tables, chairs, and cabinets, Physicians' and surgeons'. Murray Products Company. 190,508; Oct. 14; Serial No. 197,210; published Aug. 5, 1924.

CLASS 46.

Bread, doughnuts, toast, etc. Purity Baking Co. 190,531; Oct. 14; Serial No. 193,307; published July 22, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Middle West Coal Company. 202,070-2; Oct. 14.
 Coal. Rogers-Elkhorn Coal Company. 196,076; Oct. 14.
 Fur. Carroled. American Hatters and Furriers Company. 201,914; Oct. 14.
 Leather in the piece. J. E. Halligan. 202,169; Oct. 14.
 Ore, Chrome. E. J. Lavino and Company. 201,762; Oct. 14.

CLASS 2.

Cans, Garbage. Kaustine Company. 201,349; Oct. 14.
 Shipping container. V. L. Krannert. 201,456; Oct. 14.

CLASS 4.

Cleaning preparations, Laundry and general. F. C. Westfall. 186,260; Oct. 14.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Metal-cleaning compound. W. Duggard. 199,220; Oct. 14.
Seat and top dressing. R. G. Morton & Son. 198,665; Oct. 14.
Soaps. Willesen Manufacturing Company. 202,088; Oct. 14.
Soaps, soap pastes, and powders. Parfumerie Roger & Gallet. 195,594; Oct. 14.

CLASS 6.

Acid, alum, borax, copperas, etc., Boracic. Houston Drug Co. 190,296; Oct. 14.
Aniline and its salts, naphthol and its derivatives, etc. Chemische Fabrik Grünau Landshoff & Meyer Aktien-Gesellschaft. 196,906; Oct. 14.
Cocaine. E. Merck. 201,096; Oct. 14.
Cough sirup. Hocter and Hine. 181,892; Oct. 14.
Emulsions of therapeutic bacilli. Morgenstern & Company. 199,077; Oct. 14.
Foot powder. Largal Company. 197,605; Oct. 14.
Insecticide and rodent exterminator. American Cyanamid Company. 199,768; Oct. 14.
Laundry blue. Laundry Products Corp. 200,950; Oct. 14.
Laxative tablets. J. W. Thompson. 201,599; Oct. 14.
Liquid for closing leaks in radiators and water jackets. F. Heinemann. 201,030; Oct. 14.
Magnesia preparation. Scientific Products, Inc. 201,589; Oct. 14.
Medicinal preparation. Fluorin Company of America Inc. 200,486; Oct. 14.
Medicinal preparation. B. C. Smith. 197,689; Oct. 14.
Medicinal treatment for constipation. F. P. Siebert. 201,104; Oct. 14.
Medicine and pills for dyspepsia, etc., Tonic. C. E. Worthen. 199,733; Oct. 14.
Medicine for rheumatism and sciatica. W. C. Clark. 201,489; Oct. 14.
Oils used in medicine and pharmacy. Essential. Pinalmar Limited. 200,726; Oct. 14.
Ointment, Complexion. I. M. Kimball. 201,501; Oct. 14.
Ointment for burns. J. F. Hrejsa. 201,664; Oct. 14.
Perfume and toilet waters. W. T. Rawleigh Company. 198,965; Oct. 14.
Perfumes. L. Cohn. 201,220; Oct. 14.
Perfumes and toilet creams. John Wanamaker Philadelphia. 200,913; Oct. 14.
Powder, Dental. Corega Chemical Company. 201,545; Oct. 14.
Powders and creams. William A. Webster Company. 199,510; Oct. 14.
Powders, rouge, and brilliantine. Toilet. Cheramy, Inc. 201,648; Oct. 14.
Preparation for cleaning auto radiators, rats, etc. C. B. Doige Company. 201,186; Oct. 14.
Preparation for seasickness and car sickness. C. K. Gish. 201,496; Oct. 14.
Preparation for treatment of wounds, gangrene, and allied conditions. A. M. Liebsteln. 201,357; Oct. 14.
Salve and remedies. Foot. D. O. Von Dancz. 194,315; Oct. 14.
Salves for diseases and affections of the skin. O. Crawford. 201,125; Oct. 14.
Solution for the treatment of pyorrhea. E. T. Foster. 197,328; Oct. 14.
Sulphur. San Francisco Sulphur Co. 201,588; Oct. 14.
Tablet or pill for indigestion. C. F. Root. 201,585; Oct. 14.
Tincture iodine, witch-hazel, mercury, etc. Grover-Stewart Drug Company. 198,706-7; Oct. 14.
Toilet preparations. Carver-Ruff Co. 200,929; Oct. 14.
Tonic for chickens. A. C. Thompson. 200,533; Oct. 14.
Tonic, General. C. A. Powell & Company. 201,577; Oct. 14.
Washing liquid. C. Alaura. 201,481; Oct. 14.

CLASS 7.

Twine. Blake, Moffitt and Towne. 197,922; Oct. 14.

CLASS 10.

Fertilizer. Baker & Coe. 197,649; Oct. 14.

CLASS 12.

Building paper, shingles, corrugated fiber board, etc. Fisher Bros. Paper Company. 200,874; Oct. 14.
Construction columns, blocks, bricks, etc. W. S. Kraus. 201,405; Oct. 14.
Fire brick, furnace linings, etc., used in the construction of glass and zinc and similar furnaces. Mitchell Clay Mfg. Co. 202,135; Oct. 14.
Plaster board and plaster wall board. United States Gypsum Company. 202,155; Oct. 14.

CLASS 13.

Lugs, lug bolts, and pipe, valves. H. G. J. Frank. 193,226; Oct. 14.

CLASS 14.

Alloys, Bearing and white-metal. Jackson-Wheeler Metals Service. 200,719; Oct. 14.

CLASS 15.

Candles, Wax. Columbia Wax Works. 191,474; Oct. 14.
Gasoline. Viking Oil Products Company. 194,962; Oct. 14.
Grease, lubricating oils, etc., Axle and cup. Park Bros. Inc. 185,906; Oct. 14.
Oils and greases. Lubricating. W. L. Hagenbaugh. 200,554; Oct. 14.
Oils and greases. Lubricating. W. L. Hagenbaugh. 200,556; Oct. 14.
Oils, Lubricating. Capstone Manufacturing Co. 183,644; Oct. 14.

CLASS 16.

Lacquer, enamels, thinner, primer, and undercoat. R. F. Johnston Paint Company. 197,941; Oct. 14.
Paint and varnish removers. W. W. Lawrence & Company. 201,353; Oct. 14.
Paints. H. B. Davis Company. 191,370; Oct. 14.
Paints, Ready-mixed. Arnesto Paint Co. 181,583; Oct. 14.
Stain cover. Locke and Green. 185,902; Oct. 14.
Varnish stain. W. W. Lawrence & Company. 201,352; Oct. 14.

CLASS 17.

Cigarettes. Batt Brothers. 189,549; Oct. 14.
Cigars, cigarettes, tobacco. R. McDaniel. 200,270; Oct. 14.
Tobacco. R. C. Owen. 200,896; Oct. 14.

CLASS 19.

Automobile bumpers and parts thereof. Hiflex Products Company. 200,131; Oct. 14.

CLASS 21.

Radio antenna. Hope Webbing Company. 201,085; Oct. 14.

CLASS 22.

Dolls. Averill Manufacturing Corporation. 194,243; Oct. 14.
Dolls and toys. George Borgfeldt & Co. 196,329; Oct. 14.
Fishlines. Shapleigh Hardware Company. 199,807; Oct. 14.
Football covers. Jabez Cliff & Company. 199,555; Oct. 14.
Games, Parlor board. J. P. Grosvenor. 200,392; Oct. 14.
Skates, Ice and roller. J. Rohdick. 199,129; Oct. 14.
Tennis, badminton, and rackets for all games. Birmingham Aluminum Casting (1903) Company Limited. 197,861; Oct. 14.
Tennis-racket strings. California By-Products Co. 199,346; Oct. 14.
Tennis-racket strings. California By-Products Co. 199,462; Oct. 14.
Toy blocks. Strombeck-Becker Manufacturing Company. 200,835; Oct. 14.
Toy motor cycles, scooters, wagons, and cars. Great Northern Manufacturing Company. 188,901; Oct. 14.

CLASS 23.

Bearings, spindles, etc. Ex-Cell-O Tool and Manufacturing Co. 199,613; Oct. 14.
Bottle-washing machines. Rapid Bottle Washer Company. 194,946; Oct. 14.
Can openers. A. J. Tanner. 201,519; Oct. 14.
Pocketknives and attachments therefor. J. H. McFadden. 199,121; Oct. 14.
Pumps. Rotary Machine & Engineering Co. 174,863; Oct. 14.
Razors and safety-razor blades. Safety. Western Safety Razor Company. 201,941; Oct. 14.
Tool-grinding machines. Dazey Churn & Manufacturing Company. 199,349; Oct. 14.

CLASS 26.

Lenses and the blanks from which the same are cut. Ophthalmic. Vlopake Co. 198,770; Oct. 14.
Ophthalmic mountings and parts thereof. Bausch and Lomb Optical Company. 200,240; Oct. 14.

CLASS 28.

Rings, ornamental buttons, badges, etc., Finger. Craft Company. 197,802; Oct. 14.

CLASS 29.

Brooms. Merkle Broom Co. 201,994; Oct. 14.
Brushes, Hair, tooth, and clothes. Standard Pyroxoloid Corporation. 200,291; Oct. 14.
Windshield cleaners. International Auto Equipment Co. 199,627; Oct. 14.

CLASS 32.

Beds. Wheeler-Okell Company. 198,904; Oct. 14.
Beds. Wheeler-Okell Company. 198,921; Oct. 14.
Book ends. Kopper Kraft Shops, Inc. 202,020; Oct. 14.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Kitchen cabinets and cabinet bases and tables. Ariel Cabinet Company. 201,874; Oct. 14.
Shades, Window. O. F. Weigand. 200,349; Oct. 14.
Show cases. Eugene Straus Cabinet Works, Incorporated. 196,486; Oct. 14.
Springs and mattresses. Upholstered box. Charles P. Rogers & Co. 202,181; Oct. 14.
Springs, Bed. Cappel Furniture Company. 197,015; Oct. 14.

CLASS 35.

Hose, Linen fire. Wm. & Chas. Beck, Inc. 175,122; Oct. 14.
Piston rings, rubber hose, tires, and patches, inner tubes, packing. H. G. J. Frank. 193,224; Oct. 14.
Tires, Rubber. Pennsylvania Rubber Company. 189,137; Oct. 14.

CLASS 36.

Phonograph apparatus for recording and reproducing sounds, etc. Columbia Phonograph Company. 189,302; Oct. 14.

CLASS 37.

File signals. Graff-Underwood Company. 201,290; Oct. 14.

CLASS 38.

Book, Annual publication. L. C. Page & Company. 200,724; Oct. 14.
Certificates and bonds, Stock. A. G. Anderson. 198,928; Oct. 14.
Magazine. Automobile Journal Publishing Co. 200,703; Oct. 14.
Maps. Oklahoma State Map & Publishing Company. 198,817; Oct. 14.
Prints, Insertions, and labels. Munro & Harford Co. 201,403; Oct. 14.
Publication. Chicago Electric Company. 196,909; Oct. 14.
Publication, Monthly. Music Illustrated Review Corporation. 196,181; Oct. 14.
Publications, Monthly. Ahrens Publishing Company. 183,788; Oct. 14.

CLASS 39.

Brassières and bandeaux. Maidwell Brassiere Company. 190,249; Oct. 14.
Coat and trousers in one piece. Mrs. O. C. Sledge. 199,328; Oct. 14.
Clothes, overcoats, and suits. Chas. Douglass-Mack Co. 201,334; Oct. 14.
Dresses, coats, suits, blouses, skirts, and capes. Lord & Taylor. 201,148; Oct. 14.
Dresses, Ladies'. May Department Stores Company. 201,200; Oct. 14.
Hose, Men's. Consolidated Glove & Hosiery Corporation. 200,984; Oct. 14.
Hosiery. People's Shoe Stores Co. 201,011; Oct. 14.
Hosiery. E. Sutor & Son Company. 201,417; Oct. 14.
Hosiery, Ladies'. Jones, Witter and Company. 201,563; Oct. 14.
Hosiery, Ladies'. Welnerth Knitting & Machine Co. 200,916; Oct. 14.
Hosiery, Ladies'. Welnerth Knitting & Machine Co. 201,215; Oct. 14.
Overcoats and suits. Chas. Douglass-Mack Co. 201,335; Oct. 14.
Shirts, pyjamas, and blouses. Phillips-Jones Corporation. 201,304-5; Oct. 14.
Underwear, Men's athletic. R. H. Macy & Co. 200,723; Oct. 14.
Waterproof clothing. Archer Rubber Company. 201,526; Oct. 14.

CLASS 40.

Elastic, Narrow. Arabol Mfg. Co. 198,217; Oct. 14.
Fur trimmings. A. Schiffrin & Sons. 199,765; Oct. 14.
Hair goods. Western Hair Goods Company. 201,268; Oct. 14.
Lingerie clasps. Mrs. C. C. Wischmeyer. 200,233; Oct. 14.
Shoe buckles. Eastern Tool & Mfg. Company. 201,025; Oct. 14.
Straw braids, Dyed and bleached. R. H. Comey Companies Consolidated. 201,650; Oct. 14.

CLASS 42.

Woolen piece goods. Forstmann & Hufmann. 201,494-5; Oct. 14.

CLASS 44.

Furniture for hospitals, etc., Steel. Frank S. Betz Company. 196,503; Oct. 14.

CLASS 45.

Beverage and sirups for making the same, Carbonated, maltless, nonalcoholic. Pep-Tone Corporation of America. 201,714; Oct. 14.
Beverages and sirups for making same. M. Baldi. 202,092; Oct. 14.
Beverages and sirups for making same. G. Oringer. 199,241; Oct. 14.

Beverages, sirups, extracts, etc., Maltless and carbonated. Coca Cola Bottling Company of Los Angeles. 201,543; Oct. 14.
Beverages sold as soft drinks and sirups for making the same. America O.T. Limited, Incorporated. 202,195; Oct. 14.
Birch beer, cream soda, lemon soda, etc. J. Klein, jr. 200,623; Oct. 14.
Birch beer, cream soda, lemon soda, etc. J. Klein, jr. 200,625; Oct. 14.
Cider, ginger ale, grape juice, root beer. R. C. Williams & Company. 195,251; Oct. 14.
Ginger ale and root beer. Goodman American Ice Cream Company. 198,519; Oct. 14.
Sirups and carbonated and uncarbonated drinks, Fountain. F. J. Dickinson. 202,100; Oct. 14.
Water, Aerated distilled water and distilled. J. Klein, jr. 200,624; Oct. 14.

CLASS 46.

Bread. W. M. Rogerson. 182,720; Oct. 14.
Butter. American Butter and Cheese Company. 201,423; Oct. 14.
Butter, eggs, cheese, and olive oil. Sheaffer & Marvel. 201,513; Oct. 14.
Candy. Folly Town Company. 198,405; Oct. 14.
Candy. Lang & Co. 198,647; Oct. 14.
Candy. L. W. Luce. 201,003; Oct. 14.
Canned fruits. Olympia Canning Company. 192,417; Oct. 14.
Canned fruits. Schuck & Co. 202,036; Oct. 14.
Canned fruits and vegetables. Olney & Floyd. 197,216; Oct. 14.
Canned goods and dried fruits. Hunt Brothers Packing Company. 193,709; Oct. 14.
Canned shrimp and oysters. Atlantic Sea Products Co. 192,592; Oct. 14.
Canned vegetables, olives, mustard, etc. Reliable Grocery Company. 199,437; Oct. 14.
Cereal foods. Pillsbury Flour Mills Company. 201,205; Oct. 14.
Chicks. M. J. Kramer. 200,991; Oct. 14.
Chicks. Kramer Hatchery Company. 200,992; Oct. 14.
Chocolate, chocolate coating and liquor, etc. Pennsylvania Chocolate Company. 199,529; Oct. 14.
Coffee. E. S. Almsa Co. 202,193; Oct. 14.
Coffee. Goyer Company. 196,864; Oct. 14.
Cranberry sauce and jelly. American Cranberry Exchange, Incorporated. 196,564; Oct. 14.
Feed, Stock. Washburn Crosby Company. 191,109; Oct. 14.
Flour, Wheat. Attica Mills. 197,858; Oct. 14.
Flour, Wheat. North Dakota Mill and Elevator Association. 195,590; Oct. 14.
Flour, Wheat. North Platte Flour Mills. 201,252; Oct. 14.
Foods, Dehydrated. Florida Dehydrated & Preserving Co. 197,068; Oct. 14.
Fruit and nut combination, Dried. W. B. Engle. 153,654; Oct. 14.
Ham, bacon, and sausage. L. A. Frey & Sons, Inc. 164,537; Oct. 14.
Hams. Smithfield Company. 201,051; Oct. 14.
Hams, bacon, lard, and sausage. Louisville Provision Company. 199,069; Oct. 14.
Macaroni. A. Bologna & Company. 200,806; Oct. 14.
Malt and hops. Extract of. J. H. Judith. 201,704; Oct. 14.
Malt extract and sirup. S. Kasser. 199,704; Oct. 14.
Noodles. L. B. Lier. 196,599; Oct. 14.
Nuts. Dayton Nut Products Company. 198,508; Oct. 14.
Nuts and nut meat, Salted and candied. Bettman Nut Co. 192,061; Oct. 14.
Nuts, salads, and sandwiches. Reuben's Pure Food Shop, Inc. 178,870; Oct. 14.
Oranges. Red Fox Orchards. 202,143; Oct. 14.
Oranges, grapefruit, and lemons. Edison Orange Growers Association. 200,386; Oct. 14.
Oranges, lemons, and grapefruit. Greenspot Citrus Association. 198,134; Oct. 14.
Pies. Material used in making. C. H. Burrows. 200,431; Oct. 14.
Pigs' feet, Pickled. E. K. Pond Company. 200,521; Oct. 14.
Potatoes. Mack Bonchard & Son. 201,389; Oct. 14.
Preserves, Orange. Nequette Orange Circle Co. 202,075; Oct. 14.
Raisins and fruit, Dried. Sun-Maid Raisin Growers of California. 201,110; Oct. 14.
Sandwich spread. Gelfand Manufacturing Co. 200,759; Oct. 14.
Sausage. Swift and Company. 200,787; Oct. 14.

CLASS 48.

Sirup, Malt. W. McGann. 197,035; Oct. 14.

CLASS 50.

Husts. B. H. Thurman. 196,890; Oct. 14.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Actien Gesellschaft für Anilin Fabrikation. (See Onnert, P. and Peters, assignors.)
Air Reduction Company. (See Metzger, F. J., and Orr, assignors.)
Aktiebolaget Ljungströms Angturblin. (See Ljungström, F. and Broberg, assignors.)
Aktiebolaget Vaporackumulator. (See Ruths, Johannes, assignor.)
Alastalo, Wiljo U., New York, N. Y. Physical-training device. 1,511,312; Oct. 14.
Alcock, Horace E., assignor to B. Laporte Limited, Luton, England. Manufacture of phosphoric acid. 1,511,929; Oct. 14.
Alexander, Ford I., assignor to The Ford Alexander Corporation, Los Angeles, Calif. Well torpedo. 1,511,488; Oct. 14.
Alt, William, Brooklyn, N. Y. Third-rail control. 1,511,253; Oct. 14.
Altmyer, John W., Cedar Rapids, Iowa. Hat hanger. 1,511,864; Oct. 14.
American Bank Note Company. (See Smith, Amos H., assignor.)
American Clock Corporation. (See Luttrell, P. S., and Roske, assignors.)
American Flyer Manufacturing Company. (See Frohne, Albin, assignor.)
American Laundry Machinery Company, The. (See Link, George N., assignor.)
American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)
American Platinum Works. (See Koch, T., and Ledig, assignors.)
American Telephone and Telegraph Company. (See Cory, Samuel L., assignor.)
American Telephone and Telegraph Company. (See Fell, John M., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Osborne, Harold S., assignor.)
American Tube and Stamping Company, The. (See Armstrong, Walter G., assignor.)
American Wrench Manufacturing Company. (See Strickler, Cary M., assignor.)
Andaloro, Helen M., Pittston, Pa. Hair crimper. 1,511,930; Oct. 14.
Andersen, Lauritz W., Waterbury, Conn. Center for shade frames. 1,511,254; Oct. 14.
Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Rotary snap switch. 1,511,866; Oct. 14.
Anderson, Carl F., Brookfield, and L. W. Knapp, Berwyn, assignors, by mesne assignments, to Conlon Corporation, Cicero, Ill. Woodworking machine. 1,511,865; Oct. 14.
Anderson, Frank O., deceased, Minneapolis, Minn.; R. V. Anderson, administratrix. Safety catch and making the same. 1,511,931; Oct. 14.
Anderson, Ruth V., administratrix. (See Anderson, Frank O.)
Andrews, Frederick A., Pequannock, N. J., assignor to The Esmond Mills, New York, N. Y. Blanket or similar article. Dea. 65,765; Oct. 14.
Angell, Edwin R., Oregon City, Oreg. Antidraft. 1,511,701; Oct. 14.
Arado, Frank J., assignor to The United Fig & Date Company, Chicago, Ill. Chopped-nut dispenser. 1,511,821; Oct. 14.
Armstrong, Lavanda M., Peoria, assignor to Wm. J. H. Strong, Chicago, Ill. Apparatus for supplying air to occupants of aircraft. 1,511,489; Oct. 14.
Armstrong, Samuel A. (See Blackburn, A. H., and Armstrong.)
Armstrong, Walter G., assignor to The American Tube and Stamping Company, Bridgeport, Conn. Lifting jack. 1,511,209; Oct. 14.
Arnet, Victor L., New York, N. Y. Hat protector. 1,511,313; Oct. 14.
Arnold, Philip S., Highland Park, assignor to M. O. Cross, Detroit, Mich. Gear-tooth rounder. 1,511,213; Oct. 14.
Arnold, Herman, deceased, Milwaukee, Wis.; C. J. Billerbeck, administrator. Shock absorber. 1,511,436; Oct. 14.
Asbury, Dorsey F., Washington, D. C. Marine propulsion apparatus. 1,511,867; Oct. 14.
Asbury, Dorsey F., Washington, D. C. Marine propulsion apparatus. 1,511,868; Oct. 14.
Ashcraft, Alan E., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. 1,511,490; Oct. 14.
Aspen Flywheel Dynamotor Syndicate Limited, The. (See Aspen, Ralph L., assignor.)
Aspen, Ralph L., Chorley, assignor to The Aspen Flywheel Dynamotor Syndicate Limited, London, England. Flywheel dynamo-electric machine for internal-combustion engines. 1,511,491; Oct. 14.
Aspen, Ralph A., Chorley, England. Flywheel dynamo-electric machine for internal-combustion engines. 1,511,492; Oct. 14.
Atchley, Roy R., De Kalb, Tex. Fender attachment for cultivators. 1,511,932; Oct. 14.
Atherton, Alfred L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,511,314; Oct. 14.
Atwell, Robert K., Silver Bay, N. Y. Driven fastening means. 1,511,711; Oct. 14.
Automatic Sprinkler Company of America. (See Lowe, Ernest A., assignor.)
Automatic Transportation Company, The. (See Carr, William C., assignor.)
Bacon, Dexter S., Minneapolis, Minn. Appliance for regulating teeth. 1,511,712; Oct. 14.
Bager, Svante R. W. M., South Milwaukee, and O. F. Kaeser, Milwaukee, assignors to Bucyrus Company, South Milwaukee, Wis. Excavating machinery. 1,511,437; Oct. 14.
Bally, Prestley G., Eagle Rock City, Calif. Lid-removing device. 1,511,315; Oct. 14.
Baker, Roy C., Wollaston, Mass. Marking book signatures. 1,511,438; Oct. 14.
Bamberger, Joseph, Cincinnati, Ohio. Signal device for automobiles. 1,511,751; Oct. 14.
Banks, George E. (See Banks, Harold N. and G. E.)
Banks, Harold N. and G. E., Everett, Wash. Centrifugal amalgamator. 1,511,389; Oct. 14.
Barbour, John A., et al. (See Lyon, Harry, assignor.)
Barbour, Perley E., et al. (See Lyon, Harry, assignor.)
Barbour Welting Company. (See Lyon, Harry, assignor.)
Barker, Joseph E., Denver, Colo. Micrometer. 1,511,255; Oct. 14.
Barnum, William E., assignor of one-half to J. A. McConnell, Port Moody, British Columbia, Canada. Gas economizer. 1,511,493; Oct. 14.
Baroni, James J., and F. Erbetta, Black Eagle, Mont. Demountable rim. 1,511,713; Oct. 14.
Barnes, Arthur H., Montgomery City, Mo. Film holder. 1,511,933; Oct. 14.
Barrett Company, The. (See Howell, K. B., and Eckert, assignors.)
Barron, John, Albion, Calif. Rail joint. 1,511,869; Oct. 14.
Barry, John F., Palos Park, Ill., assignor to The Underfeed Stoker Company of America, Detroit, Mich. Pusher rod throw adjuster for underfeed stokers. 1,511,439; Oct. 14.
Bartlett, Leonard, Springfield, assignor to Reliance Machine & Specialty Company, Boston, Mass. Machine for filling lubricating bushings. 1,511,210; Oct. 14.
Baskin, Edwin T., Kansas City, Mo. Three-fingered mitten. 1,511,870; Oct. 14.
Bastian, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator cylinder. 1,511,316; Oct. 14.
Bastow, Carrodus, Allwood, N. J., assignor to O'Bannon Company, West Barrington, R. I. Table cover. Dea. 65,766; Oct. 14.
Batt, Jacob G., New York, N. Y. Advertising aeroplane. 1,511,795; Oct. 14.
Bath, John, assignor to John Bath & Co. Inc., Worcester, Mass. Adjustable gauge. 1,511,934; Oct. 14.
Bath, John, & Co. (See Bath, John, assignor.)
Baublitz, Luther E., Washington, D. C. Toy. 1,511,211; Oct. 14.
Baum, Gustav, assignor to the Firm of Chemische Fabrik Weissenstein G. m. b. H., Carinthia, Austria. Making or concentrating hydrogen peroxide. 1,511,494; Oct. 14.

Baum, J., Sufe & Lock Company, The. (See Freyberg, J., and Wubbolding, assignors.)
 Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Delivery apparatus for confectionery machines. 1,511,256; Oct. 14.
 Bayles, Ernest A., and H. Higham, Helsby, England. Electrical condenser. 1,511,935; Oct. 14.
 Beadle, George W., New York, N. Y., assignor to International Paper Company. Machine for making tubular articles. 1,511,714; Oct. 14.
 Beadle, George W., New York, N. Y., assignor to International Paper Company. Machine for making tubular articles. 1,511,715; Oct. 14.
 Beanes, Frederick E. V., London, England. Tool for use by smokers. 1,511,317; Oct. 14.
 Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Adjusting stereotype plates on plate cylinders. 1,511,716; Oct. 14.
 Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Machine for making hat linings. 1,511,587; Oct. 14.
 Beckley-Halston Co., The. (See Lawrence, Stanley O., assignor.)
 Becklin Mfg. Co. (See Becklin, Oscar, assignor.)
 Becklin, Oscar, assignor to Becklin Mfg. Co., Seattle, Wash. Game. 1,511,936; Oct. 14.
 Beckwith, Babette and R., San Francisco, Calif. Cigarette holder. Des. 65,767; Oct. 14.
 Beckwith, Reuben. (See Beckwith, Babette and R.)
 Beebe, Herbert G., Pawtucket, R. I. Mount for spindles of spinning or twisting machines. 1,511,257; Oct. 14.
 Beeher Steel Products Company. (See Steinbreder, William, assignor.)
 Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Drive chain and making the same. 1,511,822; Oct. 14.
 Beiden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Control mechanism. 1,511,495; Oct. 14.
 Balden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Automobile testing apparatus. 1,511,496; Oct. 14.
 Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Lever switch for electric sockets. 1,511,440; Oct. 14.
 Bentley Motors Limited. (See Burgess, Frederick T., assignor.)
 Bentley, William G., assignor of one-third to F. A. Ray and one-third to Z. R. White, Wichita Falls, Tex. Electrode for spark plugs. 1,511,937; Oct. 14.
 Berger, Knute, Seattle, Wash. Pressure-regulating valve. 1,511,318; Oct. 14.
 Berger, Knute, assignor to Washington Iron Works, Seattle, Wash. Hauling and slack-puller line swivel attachment. 1,511,796; Oct. 14.
 Berghold, Frank E., Rochester, N. Y. Saw guard. 1,511,797; Oct. 14.
 Berkey, Peter, Chicago, Ill. Egg carton. 1,511,441; Oct. 14.
 Bernstein, Charles A. (See Leiner, G. S., and Bernstein.)
 Bessire, Fred A. (See Nicholson, Joseph R., assignor.)
 Best, W. N., Corp. (See Reimers, Matthias H., assignor.)
 Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible shaft. 1,511,390; Oct. 14.
 Beyer, Otto S., Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Toggle press. 1,511,214; Oct. 14.
 Bijur, Joseph, assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y. Engine-starting apparatus. 1,511,823; Oct. 14.
 Billerbeck, Clemence J., administrator. (See Arnold, Herman.)
 Binney, Eric A., Sheffield, England, assignor to Westinghouse Electric & Manufacturing Company. Control of electric motors. 1,511,391; Oct. 14.
 Birdseye, Clarence, Yorktown Heights, N. Y. Preserving piscatorial products. 1,511,824; Oct. 14.
 Birkenholz, Hans, sr., Milwaukee, Wis. Flexible coupling. 1,511,702; Oct. 14.
 Blackburn, Arthur H., and S. A. Armstrong, Sarnia, Ontario, Canada, assignors to The Underfeed Stoker Company of America, Detroit, Mich. Underfeed stoker. 1,511,442; Oct. 14.
 Blake, Charles C., Brookline, Mass. Article-handling mechanism. 1,511,258; Oct. 14.
 Blanton, Ulysses G. (See Johnson, A. M., and Blanton.)
 Bleecker, Warren F., Boulder, Colo. Toy and ornament. 1,511,588; Oct. 14.
 Bliss, E. W., Company. (See Beyer, Otto S., assignor.)
 Bliss, Henry J. W., Leeds, England, assignor to The British Research Association for the Woolen and Worsted Industries. Treatment of yarns. 1,511,212; Oct. 14.
 Blum, Leo, New York, N. Y. Printed fabric. Des. 65,768; Oct. 14.
 Blume, Louis F., Pittsfield, Mass., and J. S. Lennox, Norwich, Conn., assignors to General Electric Company. Electrical apparatus. 1,511,717; Oct. 14.
 Bockstege, Fred W., Evansville, Ind. Combination buffet, china closet, and desk. Des. 65,769; Oct. 14.

Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage-regulator system. 1,511,392; Oct. 14.
 Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,511,393; Oct. 14.
 Bonini, Robert A., Monessen, Pa. Toy. 1,511,497; Oct. 14.
 Bonoff, Harry A., Los Angeles, Calif. Dental wax and compound annealer. 1,511,443; Oct. 14.
 Bopp, Joseph A., Decatur, Ill. Carbonating apparatus. 1,511,498; Oct. 14.
 Borge, Wilbert M., assignor of one-half to F. E. McIntyre, Milwaukee, Wis. Tread attachment for vehicle wheels. 1,511,499; Oct. 14.
 Borowiec, Jan, East Chicago, Ind. Window. 1,511,871; Oct. 14.
 Busebeck, Emil, Barmen, Germany. Single-thread bone lace and making of same. 1,511,703; Oct. 14.
 Botten, Thomas J., Lees Summit, Mo. Blinder tractor hitch. 1,511,938; Oct. 14.
 Boughton, John A., Everett, Ohio. Molding sand. 1,511,939; Oct. 14.
 Bowser, Leroy A., Hemingford, Nebr. Potato sorting and grading machines. 1,511,650; Oct. 14.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,770; Oct. 14.
 Boyd, John S., Co. (See Boyd, John S., assignor.)
 Boyer, F. Walter, Wadsworth, Ohio. Nonclogging spray nozzle. 1,511,940; Oct. 14.
 Braden, Frank H., Rapid City, S. Dak. Mail-carrier's bag holder. 1,511,259; Oct. 14.
 Brake, George U., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Lock for clutch mechanisms. 1,511,651; Oct. 14.
 Breslove, Joseph, Pittsburgh, Pa., assignor to The Cleco Corporation, New York, N. Y. Floating toy. 1,511,798; Oct. 14.
 British Research Association for the Woolen and Worsted Industries, The. (See Bliss, Henry J. W., assignor.)
 Broadhead, Almet N., et al. (See Julian, Narcena R., assignor.)
 Broberg, Isidor. (See Ljungström, F., and Broberg.)
 Bröcker, Walter C., Itzehoe, Germany. Machine for knotting nets. 1,511,589; Oct. 14.
 Bromley, Raymond V., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass decanter. Des. 65,771; Oct. 14.
 Bromon, Isalah W., Wilkinsburg, Pa. Stove. 1,511,941; Oct. 14.
 Brookby, Harry E., Evanston, Ill. Making plaster board. 1,511,500; Oct. 14.
 Brousseau, Edmond, Hurdman's Bridge, Ontario, Canada. Portable window scaffold. 1,511,260; Oct. 14.
 Brower, Howard G., assignor of one-half to P. Warner, Chattanooga, Tenn. Soap and water mixer. 1,512,009; Oct. 14.
 Brown, Clement, Birmingham, England. Control device for carburetors and other apparatus used on vehicles. 1,511,261; Oct. 14.
 Brown, Clifford C., Cartersville, Ga. Tension mechanism for spoolers. 1,511,872; Oct. 14.
 Brown, John W., Manufacturing Company, The. (See Donley, Harold B., assignor.)
 Browning, John M., Ogden, Utah. Automatic firearm. 1,511,262; Oct. 14.
 Brunell, Homer A. (See Burnett Everett R., assignor.)
 Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
 Buck, Alsworth, Summit, N. J. Window-cleaner's safety device. 1,511,704; Oct. 14.
 Buckeye Steel Castings Company, The. (See Whitridge, John C., assignor.)
 Bucyrus Company. (See Rager, S. R. W. M., and Kaeser, assignors.)
 Burger, Clarence W., Washington, D. C. Detonating toy. 1,511,718; Oct. 14.
 Burgess, Frederick T., assignor of one-half to Bentley Motors Limited, London, England. Compensating mechanism for vehicle brakes. 1,511,594; Oct. 14.
 Burkin, Welby E., Campbellsville, Ky. Automobile wheel-aligning device. 1,511,943; Oct. 14.
 Burnall Corporation of Canada, The. (See Cornwell, Charles H., assignor.)
 Burns, Walter G., Fort Wayne, Ind. Dishwasher. 1,511,825; Oct. 14.
 Burnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,511,705; Oct. 14.
 Burnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,511,706; Oct. 14.
 Burnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,511,707; Oct. 14.
 Bush, John M., York, Pa. Automobile creeper. 1,511,943; Oct. 14.
 Butfield, William J., North Plainfield, assignor to Vulcan Detinning Company, Seward, N. J. Recovering tin from tin-bearing materials. 1,511,590; Oct. 14.

Cadman, Addi B., assignor to Warner Manufacturing Company, Beloit, Wis. Trailer truck. 1,511,263; Oct. 14.
 Calbeck, John H., Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Nozzle for atomizing molten metal. 1,511,215; Oct. 14.
 Calkins, Seward H., New York, assignor to Traflet Marble Company, Long Island City, N. Y. Setting tool for pattern and guide strips. 1,511,799; Oct. 14.
 Callahan, Thomas J., Dayton, Ohio. Purila-supporting bracket. 1,511,652; Oct. 14.
 Callis, George, Memphis, Tenn. Bottle. Des. 65,772; Oct. 14.
 Campbell, Phillip A., Vancouver, British Columbia, Canada. Lawn mower. 1,511,501; Oct. 14.
 Canan, Keith, Marion, Ind. Wrench. 1,511,395; Oct. 14.
 Cantwell, Floyd A., Irving, Kans. Circuit controller. 1,511,502; Oct. 14.
 Cappellanti, Harry, assignor of one-half to A. D. Lavinder, Morgantown, W. Va. Gas-flow alarm. 1,511,653; Oct. 14.
 Carlstrom, Charles G., Lakewood, Ohio. Refractory mortar and cement composition. 1,511,503; Oct. 14.
 Carlstrom, Charles G., Lakewood, Ohio. Refractory mortar and cement composition. 1,511,504; Oct. 14.
 Carnation Milk Products Company. (See Grindrod, George, assignor.)
 Carr, William C., assignor to The Automatic Transportation Company, Buffalo, N. Y. Industrial truck. 1,511,654; Oct. 14.
 Carter, George R., Company, The. (See Creamer, Edgar R., assignor.)
 Carter, Glenn O., New Rochelle, N. Y., assignor to The Linde Air Products Company. Gas-distributing apparatus. 1,511,752; Oct. 14.
 Carter, L. R., et al. (See Force, John L., assignor.)
 Carter, Thomas, Wests Mill, N. C. Friction shock absorber. 1,511,264; Oct. 14.
 Caulfield, Norman H., Victoria, British Columbia, Canada. Stocker. 1,511,605; Oct. 14.
 Caulfield, Norman H., Victoria, British Columbia, Canada. Stocking-machine elevator. 1,511,655; Oct. 14.
 Černý, Jan, Prague, Czechoslovakia. Shorthand typewriting. 1,512,001; Oct. 14.
 Chamberlain, Rufus N., Chicago, Ill., assignor to Gould Storage Battery Co., New York, N. Y. Storage battery. 1,511,826; Oct. 14.
 Chamberlain, Walter W., Watertown, N. Y. Carton filler. 1,511,944; Oct. 14.
 Champney, Ralph P., Worcester, and F. Robins Mitchell, Weston, Mass. Driving belt. 1,511,396; Oct. 14.
 Chaplain, George H. (See Seber, J. E., and Chaplain.)
 Charpentier, Joseph O., Concord, N. H. Scraper. 1,511,444; Oct. 14.
 Chase, John W., Bangor, Me. Calculating or computing machine. 1,511,945; Oct. 14.
 Chemische Fabrik Weissenstein G. m. b. H. (See Baum, Gustav, assignor.)
 Chicago Mill and Lumber Company. (See Walter, Harrison B., assignor.)
 Chicago Pneumatic Tool Company. (See Page, Clarence, assignor.)
 Chilson, Frank H., Hampton Roads, Va. Food holding and serving device. 1,511,265; Oct. 14.
 Chisholm, Allen E., Portland, Oreg. Thermostatic electric-circuit controller. 1,511,708; Oct. 14.
 Chisholm, Lester B., Melrose, Mass. Belting. 1,511,753; Oct. 14.
 Christenson, George, North Plainfield, N. J., assignor to Johns-Manville, Incorporated. Packing for piston rods. 1,511,397; Oct. 14.
 Christenson, Oscar L. (See Sandahl, Ragnar, assignor.)
 Cincinnati Bleckford Tool Company, The. (See Klausmeyer, David C., assignor.)
 Clark, Carver C. (See Garner, J. M., and Clark.)
 Clark, John. (See Hood, J. J., and Clark.)
 Clark, Percy G. (See Hood, J. J., and Clark.)
 Clarke, Clement I., Philadelphia, Pa. Monoplane. 1,511,946; Oct. 14.
 Clarkson, Robert, Anniston, Ala. Separable button. 1,511,445; Oct. 14.
 Claude, Georges, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Processus Georges Claude), Paris, France. Manufacture of hydrogen by partial liquefaction of gaseous mixtures. 1,511,800; Oct. 14.
 Clay, Noble S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phonograph needle. 1,511,398; Oct. 14.
 Cleco Corporation, The. (See Breslove, Joseph, assignor.)
 Clough, Lee E. (See Dirksen, J. W., and Clough.)
 Cochran, Charles W. (See Combs, J. W., and Cochran.)
 Cochran, Charles W., Wichita Falls, Tex., assignor to Superior Auto Jack Co., Turley, Okla. Jack or lifting device. 1,511,801; Oct. 14.
 Coder, Henry G., Jersey City, N. J. Coconut-shredding machine. 1,511,947; Oct. 14.
 Coleman, Hamilton D., Biloxi, Miss. Envelope. 1,511,948; Oct. 14.
 Colligan, John C., Dallas, Tex., assignor to The Texas Company, New York, N. Y. Liquid-sampling apparatus. 1,511,591; Oct. 14.
 Collins, Laurence E., Canton, Ohio. Chest. 1,511,719; Oct. 14.

Colter, Robert L. (See Rioux, E. F., and Colter.)
 Combination Machine Company. (See Peterson, Jonathan, assignor.)
 Combs, Jesse W., and C. W. Cochran, Wichita Falls, Tex., assignors to Superior Auto Jack Co., Turley, Okla. Jack. 1,511,802; Oct. 14.
 Combs, Jesse W., and C. W. Cochran, Wichita Falls, Tex., assignors to Superior Auto Jack Co., Turley, Okla. Quick-acting jack. 1,511,803; Oct. 14.
 Coiner, Harris, Cynwyd, Pa. Mounting for hollow needles and the like. 1,511,827; Oct. 14.
 Commercial Headwear Co. (See Susman, Philip, assignor.)
 Connin, Frederick J., London, England. Production of plastic materials and the product. 1,511,949; Oct. 14.
 Congdon, Henry A., Kingston, R. I. Valve and operating mechanism therefor. 1,511,656; Oct. 14.
 Conlon Corporation. (See Anderson, C. F., and Knapp, assignors.)
 Connateln, Wilhelm, Berlin, and K. Lüdecke, Wilmersdorf, near Berlin, Germany. Manufacturing of propantrol from sugar. 1,511,754; Oct. 14.
 Cooper, Thomas C., Chicago, Ill. Tire gauge. 1,511,709; Oct. 14.
 Cornwell, Charles H., assignor to The Burnall Corporation of Canada, Hamilton, Ontario, Canada. Fuel economizer. 1,511,266; Oct. 14.
 Corser, John. (See Sardeson, R., and Corser.)
 Cortés, Emilio, Mexico, Mexico. Crude-oil elevator. 1,511,506; Oct. 14.
 Cory, Samuel L., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing system. 1,511,755; Oct. 14.
 Cory, Samuel L., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing system. 1,511,756; Oct. 14.
 Craig, Edward, St. Joseph, Mich. Box-blank-machine wire cutter. 1,511,319; Oct. 14.
 Craig, Edward, St. Joseph, Mich. Machinery and method for making receptacles. 1,511,320; Oct. 14.
 Cramer, William, assignor to Truck Tractor and Manufacturing Company, St. Louis, Mo. Belt-fastening device. 1,511,710; Oct. 14.
 Creamer, Edgar R., assignor to The George R. Carter Company, Connorsville, Ind. Machine for making molding for upholstery. 1,511,507; Oct. 14.
 Creamery Package Mfg. Co. (See Valerius, Theodore L., assignor.)
 Cribben & Sexton Company. (See Wilkinson, G. D., and Harter, assignors.)
 Crompton & Knowles Loom Works. (See Gargulinski, Anthony D., assignor.)
 Cronenweth, Earl E., Wilkinsburg, Pa. Tire-chain appliers. 1,511,657; Oct. 14.
 Croninger, Richard H., Dayton, Ohio. Lamp socket. 1,511,267; Oct. 14.
 Cross, Milton O. (See Arnold, Philip S., assignor.)
 Crowe, Orin T., Hayward, Calif. Furring and fastening device. 1,511,658; Oct. 14.
 Cruse, Amandus H., Brooklyn, assignor to R. Hoe and Co., New York, N. Y. Casting box for narrow plates. 1,511,592; Oct. 14.
 Culek, John J., Council Bluffs, Iowa. Trap. 1,511,399; Oct. 14.
 Cuming, George W., assignor to M. A. Cuming & Co., Inc., New York, N. Y. Dies for forming leggings. 1,511,593; Oct. 14.
 Cuming, M. A., & Co. (See Cuming, George W., assignor.)
 Cunliff, Edward A., New Bedford, assignor to E. Y. Woolley, trustee, Newton Center, Mass. Weft-replenishing loom and shuttle therefor. 1,511,720; Oct. 14.
 Cunningham, John H., Syracuse, N. Y. Ice-rut crusher. 1,511,659; Oct. 14.
 Curtiss Aeroplane and Motor Company. (See Gilmore, William L., assignor.)
 Curtiss Aeroplane and Motor Company. (See Kirkham, Charles B., assignor.)
 Curtiss Aeroplane and Motor Company. (See Tarbox, John P., assignor.)
 Curtiss Aeroplane and Motor Company. (See Valk, William E., assignor.)
 Cyr, Guy C., Escanaba, Mich. Doorbell signal indicator. 1,511,660; Oct. 14.
 Cytron, Julius, Tulsa, Okla. Shelving structure for retail stores. 1,511,508; Oct. 14.
 Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Glass-polishing machine and holding chuck. 1,511,828; Oct. 14.
 Daly, Alexander L., Stapleton, N. Y. Process and apparatus for drying veneer. 1,511,400; Oct. 14.
 Dantzebecher, Howe E., Philadelphia, Pa., assignor of one-half to G. A. Gumpert, Ventnor, Atlantic City, N. J. Dishwasher. 1,511,661; Oct. 14.
 Davidson, George A. (See Davis, W. N., and Davidson.)
 Davis, Lewis K., Chevy Chase, Md., assignor to Vaughn Camp, Norfolk, Va. Feeding mechanism. 1,511,401; Oct. 14.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 65,773; Oct. 14.
 Davis, William N., Oakland, and G. A. Davidson, Berkeley, assignors to Standard Oil Company, San Francisco, Calif. Treatment of acid sludge. 1,511,721; Oct. 14.

Davison, Gregory C., New London, Conn. Traction vehicle. 1,511,873; Oct. 14.
 Dawson, George H., Boston, assignor to Library Bureau, Cambridge, Mass. Index tab. 1,511,268; Oct. 14.
 Debay, Alfred, Tarentum, Pa. Bin scale. 1,511,950; Oct. 14.
 Decker, Mattine F., Minneapolis, Minn. Smoothing iron. 1,511,269; Oct. 14.
 De Groff, Charles H., West Unity, Ohio. Pickling weight. 1,511,757; Oct. 14.
 De Lamar, Rudolph E., assignor to A. Fries, New York, N. Y. Lighting fixture and outlet receptacle. 1,511,594; Oct. 14.
 De Mattia, Constant, assignor to Wolverine Trailer Equipment Company, Detroit, Mich. Brake-controlling mechanism for trailers. 1,511,556; Oct. 14.
 Dement, Isaac S., assignor to Printing Index Company, Dayton, Ohio. Meter-reading device. 1,511,270; Oct. 14.
 Dennison, Lawrence I., Brookfield, Ill. Can-making machine. 1,511,321; Oct. 14.
 Dentists' Supply Company, The. (See Gibson, Albert E., assignor.)
 De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Increasing the life of dry cells. 1,511,271; Oct. 14.
 Des Champs, George I., Lewiston, Idaho. Rotary valve. 1,511,402; Oct. 14.
 Detroit Vapor Stove Company. (See Meadows, A., and Sherman, assignors.)
 Det Tekniska Forsaegsaktieselskab. (See Goldschmidt, Rudolf, assignor.)
 Dickerman, Clint E., North Vancouver, British Columbia, Canada. Milk cooler. 1,511,722; Oct. 14.
 Dickinson, Sheldon J., Dundee, Ill. Making metallic beryllium. 1,511,829; Oct. 14.
 Diefenbach, Arthur J. (See McGeary, M. M., and Diefenbach.)
 Diehm, Lucius N., West Hartford, assignor of one-half to B. C. Stone, Middletown, Conn. Firearm. 1,511,509; Oct. 14.
 Diehm, Lucius N., West Hartford, assignor of one-half to B. C. Stone, Middletown, Conn. Firearm. 1,511,510; Oct. 14.
 Diller, William W., Indianapolis, Ind. Brake-cam pin. 1,511,951; Oct. 14.
 Dirksen, John W., Kent, and L. E. Clough, Akron, Ohio. Work-conveying platform or car. 1,511,662; Oct. 14.
 Dom, Alexander, Cincinnati, Ohio. Combined hand drill and valve grinder. 1,511,663; Oct. 14.
 Donahoe, Harry J., Moline, Ill. Shapes abear. 1,511,952; Oct. 14.
 Donley, Harold B., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Headlight for automobiles. 1,511,758; Oct. 14.
 Douglas, William H., Keyport, N. J. Latch for automobile doors. 1,511,216; Oct. 14.
 Downie, James C., Pebble Beach, Calif. Amusement device. 1,511,272; Oct. 14.
 Doyle, William T., assignor to Sturtevant Mill Company, Boston, Mass. Making finish-coat putty. 1,511,446; Oct. 14.
 Draper Corporation. (See Norman, Thomas E., assignor.)
 Draper, Foster W., Spokane, Wash. Furniture joint. 1,511,273; Oct. 14.
 Draver, Emil R., Richmond, Ind. Connecting tubular members. 1,511,723; Oct. 14.
 Drewson, Viggo, Brooklyn, assignor to West Virginia Pulp and Paper Company, New York, N. Y. Making fiber for paper, etc. 1,511,864; Oct. 14.
 Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Positive locking mechanism for cylinders or the like. 1,511,447; Oct. 14.
 Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Locking mechanism for cylinders or the like. 1,511,804; Oct. 14.
 Droll, Joseph W., Chicago, Ill., assignor to Droll Patents Corporation of Delaware. Driving mechanism for mattress-stitching machines. 1,511,403; Oct. 14.
 Droll Patents Corporation of Delaware. (See Droll, Joseph W., assignor.)
 Druckey, Arthur H., Chicago, Ill. Supervaporizer. 1,511,274; Oct. 14.
 Drum, Alphonsus L., Chicago, Ill. Electrically-propelled aircraft. 1,511,448; Oct. 14.
 Dwyer, James, Colorado Springs, Colo. Draining device. 1,511,953; Oct. 14.
 Dyer, Harry W., East Orange, N. J. Doorlock. 1,511,322; Oct. 14.
 Duffy, Edwin N. (See Isman, Felix, assignor.)
 Dulany, Washington L., Woodstock, N. Y. Fastening means for demountable auto rims. 1,511,511; Oct. 14.
 Dunbar, Ethel B., Elkhorn, Wis. Curtain frame. 1,511,905; Oct. 14.
 Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
 Eagle-Picher Lead Company, The. (See Calbeck, John H., assignor.)
 Eckel, Edwin C., Washington, D. C. Making cement and by-products. 1,511,323; Oct. 14.
 Eckert, Clarence R. (See Howell, K. B., and Eckert.)
 Eclipsa Machine Company. (See Bijur, Joseph, assignor.)
 Eclipsa Machine Company. (See McGrath, William L., assignor.)

Economy Fuse & Manufacturing Co. (See Weitman, Hermann W., assignor.)
 Eder, Joseph M., Vienna, Austria. Protecting against light of short wave lengths and composition of matter therefor. 1,511,874; Oct. 14.
 Edgar, Graham, Washington, D. C., assignor to United States of America as represented by the Secretary of War. Temperature control in chemical reactions. 1,511,875; Oct. 14.
 Edison Electric Appliance Company. (See Rankin, William A., assignor.)
 Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Degassing apparatus. 1,511,876; Oct. 14.
 Elliott, Jacob J., Bethlehem, Pa. Milk-bottle holder. 1,511,954; Oct. 14.
 Elliott Company. (See Ehrhart, Raymond N., assignor.)
 Emery, Plato G., Chicago, Ill. Curtain fixture. 1,511,324; Oct. 14.
 Englander, Benjamin B., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Hammock. 1,511,806; Oct. 14.
 Englander Spring Bed Company. (See Englander, Benjamin B., assignor.)
 Erbetta, Frank. (See Baron, J. J., and Erbetta.)
 Ernst, George, Newark, N. J. Combined water column and inclined gauge glass. 1,511,325; Oct. 14.
 Esmond Mills, The. (See Andrews, Frederick A., assignor.)
 Esmueller Mill Furnishing Company. (See Schmidt, Ludwig, assignor.)
 Fahy, Frank P., New York, N. Y. Permeameter. 1,511,505; Oct. 14.
 Faichney, G., Company, The. (See Howe, Warren F., assignor.)
 Fairbanks, E. and T., and Company. (See Ashcraft, Alan E., assignor.)
 Fairbanks, E. and T., and Company. (See Starr, Morton H., assignor.)
 Farbenfabriken vorm. Friedr. Bayer and Co. (See Taub, L. Schütz, and Meisenburg, assignors.)
 Faulkner, Arthur B., Williamsport, Pa. Buckle. 1,511,665; Oct. 14.
 Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. 1,511,275; Oct. 14.
 Fedders Manufacturing Company. (See Fedders, John M., assignor.)
 Federal Electric Company. (See Ogle, Elmer L., assignor.)
 Fedun, Theodore, Detroit, Mich. Roller for skates. 1,511,512; Oct. 14.
 Feig, Paul, New York, assignor, by mesne assignments, to New York Standard Ash Can Manufacturing Company, Brooklyn, N. Y. Web-coating machine. 1,511,596; Oct. 14.
 Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Duplex telegraphy. 1,511,326; Oct. 14.
 Ferguson, Alan R., Buffalo, N. Y. Toy semaphore signal tower. 1,511,449; Oct. 14.
 Ferguson, Alan R., Buffalo, N. Y. Toy danger signal. 1,511,597; Oct. 14.
 Ferguson, Alan R., Buffalo, N. Y. Toy signal tower. 1,511,598; Oct. 14.
 Ferguson, Alan R., Buffalo, N. Y. Toy railway-crossing gate. 1,511,599; Oct. 14.
 Ferguson, Alan R., Buffalo, N. Y. Rail connector for toy railways. 1,511,600; Oct. 14.
 Fiedler, G. M. Mfg. Co. (See Fiedler, Gustav, assignor.)
 Fiedler, Gustav, assignor to G. M. Fiedler Mfg. Co., Inc., New York, N. Y. Weighing scale. 1,511,404; Oct. 14.
 Fields, Eric O. (See Jones, B. B., and Fields.)
 Fludlay, James C., San Francisco, Calif. Spraying apparatus for livestock. 1,511,450; Oct. 14.
 Finkelstein, David, et al. (See Nairne, Eldridge, assignor.)
 Fisher, Isaac W., Escondido, Calif. Concrete form for log cabins. 1,511,955; Oct. 14.
 Flagg, Ernest, New York, N. Y. Lock mechanism. 1,511,956; Oct. 14.
 Flaherty, Patrick J., assignor to Johnson Bronze Company, New Castle, Pa. Water-gauge protector. 1,511,877; Oct. 14.
 Fletcher Works, Incorporated. (See Lechler, Bruno C., assignor.)
 Floercky, Herbert E., Chicago, Ill. Ash receptacle and match-safe holder. 1,511,217; Oct. 14.
 Fokker, Anthony H. G., Amsterdam, Netherlands. Armored aircraft. 1,511,513; Oct. 14.
 Foley, Richard T., Ridgefield Park, N. J. Valve. 1,511,830; Oct. 14.
 Folger, Henry C., Waverley, assignor to Housing Company, Boston, Mass. Refrigerating apparatus. 1,511,451; Oct. 14.
 Folger, Henry C., Waverley, assignor to Housing Company, Boston, Mass. Refrigerating apparatus. 1,511,452; Oct. 14.
 Folger, Henry C., Waverley, assignor to Housing Company, Boston, Mass. Refrigerating apparatus. 1,511,453; Oct. 14.
 Folger, Henry C., Waverley, assignor to Housing Company, Boston, Mass. Refrigerating apparatus. 1,511,454; Oct. 14.

Force, John L., assignor of one-half to D. R. Francis, Jr., L. R. Carter, and W. H. Henby, St. Louis, Mo. Oil-filtration device. 1,511,831; Oct. 14.
 Ford Alexander Corporation, The. (See Alexander, Ford L., assignor.)
 Ford, William J., trustee. (See Hudson, Robert F., assignor.)
 Francis, D. R., et al. (See Force, John L., assignor.)
 Frankenberg, Julius, Chicago, Ill. Domestic refrigerating unit. 1,511,405; Oct. 14.
 Frankenberg, Julius, Chicago, Ill. Automatic pressure-controlling apparatus. 1,511,406; Oct. 14.
 Franklin Knitting Mills. (See Worms, Sidney, assignor.)
 Franklin, Lee F., assignor of one-half to G. Smith, Kansas City, Mo. Washing machine. 1,511,514; Oct. 14.
 Franklin, Oliver M., Amarillo, Tex., assignor to The Kansas Blackleg Serum Company, Inc., Denver, Colo. Making blackleg vaccine. 1,511,557; Oct. 14.
 Franklin Process Company. (See Traver, William A., assignor.)
 Franklin Simon & Co. (See Davis, Taube, assignor.)
 Freda, Theophil J., Detroit, Mich. Horizontal earth-boring machine. 1,511,957; Oct. 14.
 Free, John W., Woodlawn, Pa. Replenishing packs of laminate material. 1,511,601; Oct. 14.
 Freyberg, Joseph, and L. F. Wubbolding, Newport, Ky., assignors to The J. Baum Safe & Lock Company, Cincinnati, Ohio. Vault-door construction. 1,511,455; Oct. 14.
 Fries, Albert. (See De Lamar, Rudolph E., assignor.)
 Frink, Harley M. (See Wade, H. R., and Frink.)
 Froggatt, William H., Centralia, Ill. Can-cleaning machine. 1,511,602; Oct. 14.
 Frohne, Albin, assignor to American Flyer Manufacturing Company, Chicago, Ill. Resistance coil. 1,511,276; Oct. 14.
 Frohne, Albin, assignor to American Flyer Manufacturing Company, Chicago, Ill. Manufacturing commutators. 1,511,277; Oct. 14.
 Fryer, Herbert, et al. (See Mueller, Moritz L., assignor.)
 Fuchs, Leopold, Roslyn Heights, N. Y. Support for loom harness. 1,511,456; Oct. 14.
 Gackenbach, Edwin N., Orelan, Pa. Floor lamp. Des. 65,774; Oct. 14.
 Galsman, Henry J., New York, N. Y. Tobacco pipe. 1,511,603; Oct. 14.
 Gallipoli, Frank P., New York, N. Y. Blade honing and sharpening device. 1,511,958; Oct. 14.
 Ganucheau, James J., New Orleans, La. Specific-gravity apparatus. 1,511,604; Oct. 14.
 Gardner, Wesley M., et al. (See Lowmbery, Frank W., assignor.)
 Gargay, William, New York, N. Y. Confection. 1,511,878; Oct. 14.
 Gargulinski, Anthony D., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Drop-box-actuating mechanism for looms. 1,511,457; Oct. 14.
 Garner, James M., and C. C. Clark, Holt, Ala. Brick-mason's tool. 1,511,807; Oct. 14.
 Garrison, Flint, St. Louis, Mo. Automobile signal-light casing. Des. 65,775; Oct. 14.
 Gas Research Company, The. (See Smith, Harry F., assignor.)
 Gelsner, Hovoy A. (See Gelsner, Lorenzo S. and H. A.)
 Gelsner, Lorenzo S. and H. A., Fillmore, N. Y. Plastic-pipe jarring machine. 1,511,879; Oct. 14.
 General Automatic Scales Company, The. (See Schaper, Harry C., assignor.)
 General Electric Company. (See Blume, L. F., and Lennox, assignors.)
 General Electric Company. (See Otis, Albert N., assignor.)
 General Electric Company. (See Weed, James M., assignor.)
 General Laboratories. (See Wilson, H. F., and Hadfield, assignors.)
 Gest, Gulon M., Noroton, Conn. Hammer shovel. 1,511,880; Oct. 14.
 Gibson, Albert E., Philadelphia, Pa., assignor to The Dentists' Supply Company. Forming molded objects. 1,511,458; Oct. 14.
 Gibson, Albert E., Philadelphia, Pa., assignor to The Dentists' Supply Company. Composite material from which articles may be molded. 1,511,459; Oct. 14.
 Gibson, James H., Brooklyn, N. Y. Storm-sash construction. 1,511,881; Oct. 14.
 Gill, Sam, St. Joseph, Mo. Crossing gate. 1,511,327; Oct. 14.
 Gillett, Charles W. (See Michaud, Elzrar, assignor.)
 Gilmore, William L., Port Washington, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y. Twin-fuselage monoplane. 1,511,666; Oct. 14.
 Gilmore, William L., Port Washington, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y. Cooling system for the power plants of aircraft. 1,511,667; Oct. 14.
 Glanzner, Leon B., Buenos Aires, Argentina. Pantometer apparatus. 1,511,668; Oct. 14.
 Glascock, Daniel W., Stockton, Calif. Logging tractor. 1,511,959; Oct. 14.

Glinz, Karl. (See Spackeler, G., and Glinz.)
 Goodman, Sigmund L., Chicago, Ill. Bottle-closure-applying device. 1,511,724; Oct. 14.
 Goldschmidt, Rudolf, Berlin, Germany, assignor to Det Tekniske Forsaegsaktieselskab, Ordrup, Charlottenlund, Denmark. Propulsion of vehicles. 1,511,960; Oct. 14.
 Goodfellow, Frank A., Altoona, Pa. Terminal check valve for mechanical lubricators. 1,511,515; Oct. 14.
 Goodfellow, Frank A., Altoona, Pa. Telltale for mechanical lubricators. 1,511,516; Oct. 14.
 Goodman, Lillian, New York, N. Y. Box. 1,511,328; Oct. 14.
 Goodrich, B. F., Company, The. (See Sproull, John C., assignor.)
 Goodyear Tire & Rubber Company, The. (See Spear, Ellwood B., assignor.)
 Goose, Jacob, et al. (See Nairne, Eldridge, assignor.)
 Gould Storage Battery Co. (See Chamberlain, Rufus N., assignor.)
 Grady, Richard T., San Diego, Calif. Hydrocarbon lantern. 1,511,669; Oct. 14.
 Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
 Gray, Frances F., West Finley, Pa. Valve for flush tanks. 1,511,605; Oct. 14.
 Green, McRee, St. Louis, Mo. Window construction. 1,511,460; Oct. 14.
 Greenwood, Frank E., New Rochelle, assignor to Pine Waste Products, Inc., New York, N. Y. Rosin manufacture. 1,511,461; Oct. 14.
 Gregory, Albert L., Niagara Falls, N. Y. Combination shade and drapery holder. 1,511,462; Oct. 14.
 Griffith, Benjamin, Jr., assignor of one-half to G. A. Johnson, Evanston, Ill. Wheel-mounting device. 1,511,463; Oct. 14.
 Grindrod, George, assignor to Carnation Milk Products Company, Oconomowoc, Wis. Modified milk and making the same. 1,511,806; Oct. 14.
 Gross, Benjamin, Company. (See Gross, Benjamin, assignor.)
 Gross, Benjamin, assignor to Benjamin Gross Company, Inc., New York, N. Y. Finger ring or article of similar nature. Des. 65,776; Oct. 14.
 Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Snap switch. 1,511,809; Oct. 14.
 Guillet, Albert M., Charlotte, N. C. Adjustable level for spinning frames. 1,511,464; Oct. 14.
 Gumpert, George A. (See Dantzbecher, Howe E., assignor.)
 Gundka-Werk Vereinigte Blechspielwarenfabriken. (See Muchajer, Paul, assignor.)
 Gwynn, Susie E. (See Gwynn, William A., assignor.)
 Gwynn, William A., assignor to S. E. Gwynn, St. Louis, Mo. Vulcanizer. 1,511,810; Oct. 14.
 Hadfield, William A. (See Wilson, H. F., and Hadfield.)
 Hadloff, Kolj G., Warren, Ohio. Corner-post fastener for bedsteads. 1,511,882; Oct. 14.
 Hagenlocher, Christian P., Philadelphia, Pa., assignor, by mesne assignments, to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,512,006; Oct. 14.
 Halary, Francois N., Paris, France. Evaporating apparatus. 1,511,961; Oct. 14.
 Hale, Frank L., Brooklyn, N. Y. Ash tray. Des. 65,777; Oct. 14.
 Hall, Arthur J., Pittsburgh, and P. L. Mardis, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,511,329; Oct. 14.
 Hall, C. M., Lamp Company. (See Seltz, Ernest O., assignor.)
 Halvorsen, Ole G., assignor to Winslow Boiler & Engineering Company, Chicago, Ill. Burner. 1,511,330; Oct. 14.
 Hamann, Edward W., Winnipeg, Manitoba, Canada. Bottle case. 1,511,606; Oct. 14.
 Hamby, Theodotus C., Columbia, S. C. Connector for steel tapes. 1,511,607; Oct. 14.
 Hamel, Carl, Aktien-Gesellschaft. (See Hamel, Hermann, assignor.)
 Hamel, Hermann, Dresden-Blasewitz, assignor to Carl Hamel Aktien-Gesellschaft, Schonau, near Chemnitz, Saxony, Germany. Ring-spinning machine. 1,511,883; Oct. 14.
 Hammond, William P., East Orange, N. J. Instrument board. 1,511,989; Oct. 14.
 Hanley, William L., Jr., Bradford, Pa. Tunnel kiln. 1,511,218; Oct. 14.
 Hanson, Eugene J., Edmonton, Alberta, Canada. Pump. 1,511,962; Oct. 14.
 Hardie, Rita M., Brooklyn, N. Y. Table ornament. Des. 65,778; Oct. 14.
 Harrington, William F., assignor to The Willys-Overland Company, Toledo, Ohio. Shaft support. 1,511,465; Oct. 14.
 Harris, Ralph, Springfield, Mo. Motor sleigh. 1,511,331; Oct. 14.
 Harrison, Ernest, Newcastle-on-Tyne, England. Dynamo-electric machine. 1,511,608; Oct. 14.
 Harrison, William E., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic damper for electric arcs. 1,511,332; Oct. 14.
 Hart & Hegeman Manufacturing Company, The. (See Guett, Monroe, assignor.)

Hart, Maxwell S., New Britain, Conn. Locker. 1,511,725; Oct. 14.
 Harter, Augustus F. (See Wilkinson, G. D., and Harter.)
 Hartzell, Morris H., Philadelphia, Pa. Umbrella runner. 1,511,558; Oct. 14.
 Hartzell, Walter L., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for drilling wells. 1,511,990; Oct. 14.
 Haskell, Broderick, Franklin, Pa. Brake-beam support. 1,511,811; Oct. 14.
 Haskins, Harry T., assignor of one-half to F. D. Mendenhall, Denver, Colo. Liquid transmission for automobiles. 1,511,333; Oct. 14.
 Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Method of and apparatus for screening paper stock. 1,511,759; Oct. 14.
 Haugh, James G., Bascom, Ohio. Porch gate. 1,511,963; Oct. 14.
 Havemeyer, John F., Ardley-on-Hudson, N. Y. Bar spacer for concrete construction. 1,511,334; Oct. 14.
 Hawkesworth, Arthur L., assignor to Hawkesworth Drill Company, Butte, Mont. Drill. 1,511,466; Oct. 14.
 Hawkesworth Drill Company. (See Hawkesworth, Arthur L., assignor.)
 Hayes-Meserole Mfg. Co., The. (See Meserole, Milton D., assignor.)
 Hazel-Atlas Glass Company. (See Bromley, Raymond V., assignor.)
 Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose supporter. 1,511,991; Oct. 14.
 Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose supporter. 1,511,992; Oct. 14.
 Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose supporter. 1,511,993; Oct. 14.
 Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Garment supporter. 1,511,994; Oct. 14.
 Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Garment supporter. 1,511,995; Oct. 14.
 Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Garment supporter. 1,511,996; Oct. 14.
 Heath, Frederick, assignor to Heath Unit Tile Company, Tacoma, Wash. Sile. 1,511,467; Oct. 14.
 Heath Unit Tile Company. (See Heath, Frederick, assignor.)
 Heinze, William A., assignor of one-half to P. B. McKain, Chicago, Ill. Filter. 1,511,726; Oct. 14.
 Helldov, Carl A., and G. A. G. Löfström, Malmo, Sweden. Water tap. 1,511,760; Oct. 14.
 Heller, L. & Son, Inc. (See Rifkin, Joseph, assignor.)
 Hemphill Company. (See Jones, Frank E., assignor.)
 Henault, Nellie O., Butte, Mont. Milliner's shears. 1,511,964; Oct. 14.
 Henry, W. H., et al. (See Force, John L., assignor.)
 Henderson, James P., Rochelle, Ill. Thrashing-machine grate. 1,511,832; Oct. 14.
 Henderson, Nelson H., Syracuse, N. Y. Multiple fan. 1,511,517; Oct. 14.
 Hennigh, Henry K., Newcastle, Ind. Advertising device. 1,511,965; Oct. 14.
 Henshaw, Frederick W., San Francisco, Calif. Game counter. 1,511,335; Oct. 14.
 Heppes, Otto A., Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Pipe flashing for roofs. 1,511,884; Oct. 14.
 Hess-Bright Manufacturing Company, The. (See Runge, Robert F., assignor.)
 Hewitt, James G., Cedar Rapids, Iowa. Can-capping machine. 1,511,966; Oct. 14.
 Higham, Harold. (See Bayles, E. A., and Higham.)
 Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)
 Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary compressor. 1,511,468; Oct. 14.
 Hill, Martin B., Houston, Tex. Lining for transmission bands. 1,511,885; Oct. 14.
 Hinchman, Mortimer L., Brooklyn, N. Y. Safety envelope and blank for making the same. 1,511,886; Oct. 14.
 Hitch, John E., Cincinnati, Ohio. Fuel economizer and decarbonizer for internal-combustion engines. 1,511,887; Oct. 14.
 Hoe, R., and Co. (See Cruse, Amandus H., assignor.)
 Hoey, Samuel C., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Adjustable mounting device. 1,511,336; Oct. 14.
 Hoffman, William M., Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation. Fuel-oil burner. 1,511,469; Oct. 14.
 Hoge, Smith A., Rices Landing, Pa. Rail joint. 1,511,609; Oct. 14.
 Hoggan, Arland C., Portland, Oreg. Automobile accessory. 1,511,337; Oct. 14.
 Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Carriage brake for typewriters. 1,511,470; Oct. 14.

Holderness, William C., Petersham, New South Wales, Australia. Four-stroke-cycle internal-combustion engine. 1,511,338; Oct. 14.
 Holland, Roy A., Coburg, Victoria, Australia. Treatment of tin-plate scrap. 1,511,967; Oct. 14.
 Holmes, Edward, and A. D. Lightner, assignors to The Willys-Overland Company, Toledo, Ohio. Wheel brace for vehicles. 1,511,471; Oct. 14.
 Holmes, Will K., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Dome cover for tank cars. 1,511,610; Oct. 14.
 Hood, John J., deceased, London, J. Clark, Essex, and P. G. Clark, London, England; R. B. Quin, administratrix. Decolorizing and purification of saccharine materials. 1,511,472; Oct. 14.
 Hopper, Frank A., Bakersfield, Calif., assignor of one-half to Mack-International Motor Truck Corporation. Portable hoist. 1,511,968; Oct. 14.
 Hord, Carl L., Hallock, Minn. Brood-sow muzzle. 1,511,339; Oct. 14.
 Horton, Ralph, New York, N. Y. Ice plant. 1,511,219; Oct. 14.
 Horwitt, Paul H., assignor to Independent Paper Mills Inc., Brooklyn, N. Y. Dispenser for napkins and like articles. 1,511,812; Oct. 14.
 Horwitz, Alexander, New York, N. Y. Resilient suspension apparatus. 1,511,727; Oct. 14.
 Hosner, Ralph B., San Francisco, Calif. Bedspring. 1,511,559; Oct. 14.
 Houseman, Wilbur L., assignor to Standard Machine Company, Philadelphia, Pa. Process and mechanism for topping hoselery. 1,511,473; Oct. 14.
 Housing Company. (See Folger, Henry C., assignor.)
 Houston, William L., Carrrsville, Ky. Automatic vehicle brake. 1,511,888; Oct. 14.
 Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making a double salt of sodium suoid and sodium sulphate. 1,511,560; Oct. 14.
 Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making artificial cryolite. 1,511,561; Oct. 14.
 Howe, Warren F., assignor to The G. Falchney Company, Watertown, N. Y. Sanitary thermometer case. 1,511,474; Oct. 14.
 Howell, Kenneth B., Millburn, and C. R. Eckert, Englewood, N. J., assignors to The Barrett Company. Construction material. 1,511,475; Oct. 14.
 Howland, Almon F., Waterford Township, Minn. Truck body. 1,511,728; Oct. 14.
 Hoy, Harry A., Luverne, Minn. Combined sponge and sponge holder. 1,511,969; Oct. 14.
 Hubbard, Harry B., West Haven, Conn. Wheel-lifting rim. 1,511,278; Oct. 14.
 Huckins, Charles W., Seattle, Wash. Fishing boat. 1,511,670; Oct. 14.
 Hudson, Robert F., Richmond, assignor to W. J. Ford, trustee, Fredericksburg, Va. Train-control apparatus. 1,511,611; Oct. 14.
 Huebner, George J., Fort Wayne, Ind. Stovepipe anchor. 1,511,562; Oct. 14.
 Huff, George H., Tulsa, Okla. Key holder. 1,511,563; Oct. 14.
 Humphrey, Glen S., Brooklyn, N. Y. Sifter-top receptacle and closure therefor. 1,511,970; Oct. 14.
 Humphreys, Robert E., assignor to Standard Oil Company, Whiting, Ind. Candle-dipping machine. 1,511,729; Oct. 14.
 Hunter, John W., Sydenham, Ontario, Canada. Air pump. 1,511,971; Oct. 14.
 Hutsell, Thomas A., Spokane, Wash. Piston-ring expander. 1,511,761; Oct. 14.
 Hutzelman, Jacob C., Glendale, Ohio. Honeycomb sterilizer. 1,511,762; Oct. 14.
 Improved Paper Machinery Company. (See Haug, Anton J., assignor.)
 Independent Paper Mills Inc. (See Horwitt, Paul H., assignor.)
 Indiana Canning Machinery Company. (See Lindley, James F., assignor.)
 Ingersoll, George T., Battle Creek, Mich. Attachment for tractors. 1,511,476; Oct. 14.
 Ingham, Walter E., Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Headstock brake. 1,511,612; Oct. 14.
 Ingram, Lee B., assignor of one-half to J. W. Stephenson, Lovick, Ala. Friction check for cars. 1,511,813; Oct. 14.
 International Paper Company. (See Beadle, George W., assignor.)
 International Paper Company. (See Webber, John D., assignor.)
 Isman, Felix, assignor to E. N. Duffy, New York, N. Y. Safety razor. 1,511,220; Oct. 14.
 Jackson, Andrew O., Oregon City, Oreg. Stoker. 1,511,279; Oct. 14.
 Jackson, Paul, Port Arthur, Tex. Combination tool. 1,511,340; Oct. 14.
 Jackson, Simeon S., Hyde Park, assignor to The Stafford Company, Boston, Mass. Weft-end holder for weft-replenishing looms. 1,511,730; Oct. 14.
 James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,511,341; Oct. 14.

James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,511,342; Oct. 14.
 James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,511,343; Oct. 14.
 James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,511,344; Oct. 14.
 Jardine, Robert, assignor to Rich Tool Company, Chicago, Ill. Composite poppet valve and making same. 1,511,833; Oct. 14.
 Jepson, Franklin N., Minneapolis, Minn. Elevating attachment for hospital beds. 1,511,477; Oct. 14.
 Jesser, Albert E., et al. (See Smith, George K., assignor.)
 Joern, William, Chicago, Ill. Concrete refuse container. 1,511,613; Oct. 14.
 Johns-Manville, Incorporated. (See Christenson, George, assignor.)
 Johnson, Adolphus M., and U. G. Blanton, Chamblee, Ga. Traffic signal. 1,511,763; Oct. 14.
 Johnson Bronze Company. (See Flaherty, Patrick J., assignor.)
 Johnson, Gustave A. (See Griffith, Benjamin, Jr., assignor.)
 Johnson, Ray C. (See Wennerblad, E. G., Nelson, and Johnson.)
 Johnston, John, St. Louis, Mo. Mop. 1,511,478; Oct. 14.
 Johnston, Peter D. (See Strom, Gustav, assignor.)
 Jones, Allan C., and J. O'Neill, assignors to Onelida Community Limited, Onelida, N. Y. Animal trap. 1,511,614; Oct. 14.
 Jones, Brinkley B., and E. O. Fields, Milan, Tenn. Chin support. 1,511,671; Oct. 14.
 Jones, Edward H. (See Knerr, William E., assignor.)
 Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Spring-needle knitting machine and producing fabric thereon. 1,511,997; Oct. 14.
 Jordahl, Anders, New York, N. Y. Stringer. 1,511,764; Oct. 14.
 Joy, Joseph F., Franklin, assignor to Joy Machine Company, Pittsburgh, Pa. Conveyor. 1,511,221; Oct. 14.
 Joy Machine Company. (See Joy, Joseph F., assignor.)
 Julian, Marcena R., assignor of one-third to A. N. Broadhead, Jamestown, and one-third to D. W. McCarthy, Lakewood, N. Y. Liquid-measuring pump. 1,511,615; Oct. 14.
 Juvet, Obel, Ferndale, Wash. File leaf for account records. 1,511,518; Oct. 14.
 Kasper, Otto F. (See Bager, S. R. W. M., and Kaeser.)
 Kalsling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Motor horn. 1,511,345; Oct. 14.
 Kalsling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Motor horn. 1,511,346; Oct. 14.
 Kalsling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Motor horn. 1,511,347; Oct. 14.
 Kalsling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Motor horn. 1,511,348; Oct. 14.
 Kann, Alexander, Brooklyn, N. Y. Multiple glass-blowing machine. 1,511,889; Oct. 14.
 Kansas Blackleg Serum Company, The. (See Franklin, Oliver M., assignor.)
 Kardong, Theodore, Minneapolis, Minn. Stirrup-bending machine. 1,512,002; Oct. 14.
 Karge, Maxwell R., Phoenix, N. Y., assignor to T. P. Kingsford, Oswego, N. Y. Automatic refrigerating apparatus. 1,511,890; Oct. 14.
 Karstens, Edward S., Davenport, Iowa. Cylinder-lapping tool. 1,511,564; Oct. 14.
 Kaumagraph Co. (See Marston, T., and Lawrence, assignors.)
 Kentor, Edward O., Dayton, Ohio. Cable clip. 1,511,972; Oct. 14.
 Kellogg Switchboard and Supply Company. (See Kalsling, William, assignor.)
 Kelly, Edwin A., and R. A. Link, Wheaton, Ill. Golf club. 1,511,479; Oct. 14.
 Kelvinator Corporation. (See Spreen, Charles C., assignor.)
 Kendall, Martin R., Hutchinson, Kans. Thread clipper for bag machines. 1,511,616; Oct. 14.
 Kennedy, John E., Glens Falls, N. Y. Telltale for pneumatic tires. 1,511,280; Oct. 14.
 Kennedy, John E., Glens Falls, N. Y. Scavenging device for motors. 1,511,281; Oct. 14.
 Kesler, Stanley, Lexington, N. C. Box. 1,511,282; Oct. 14.
 Kiesel, William F., Jr., Altoona, Pa. Dump car. 1,511,973; Oct. 14.
 Kimmel, Clarence H., Meriden, Conn. Game rack. 1,511,731; Oct. 14.
 Kingsford, Thomas P. (See Karge, Maxwell R., assignor.)
 Kinsley, Lewis, Philadelphia, Pa. Automatic lathe. 1,511,565; Oct. 14.
 Kirkham, Charles B., Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc. Internal-combustion engine. 1,511,672; Oct. 14.

Kissich, Peter L., Cedar Rapids, Iowa. Automobile signal. 1,511,283; Oct. 14.
 Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Disk-clutch reverser. 1,512,007; Oct. 14.
 Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc., Chandelier, Des. 65,779; Oct. 14.
 Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc., Chandelier, Des. 65,780; Oct. 14.
 Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc., Chandelier, Des. 65,781; Oct. 14.
 Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc., Chandelier, Des. 65,782; Oct. 14.
 Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc., Chandelier, Des. 65,783; Oct. 14.
 Knapp, Lester W. (See Anderson, C. F., and Knapp.)
 Knell, William F., Detroit, Mich. Pushing valve. 1,511,801; Oct. 14.
 Knerr, William E., assignor of one-fourth to E. H. Jones, Williamsport, Pa. Truck attachment. 1,511,407; Oct. 14.
 Knopf, Carl L. (See Larson, C. M., and Knopf.)
 Knowles, Harford C., assignor to The Willys-Morrow Company, Elmira, N. Y. Double-row antifriction bearing. 1,511,480; Oct. 14.
 Knudsen, Peter, Hetland, S. Dak. Seed-potato cutter. 1,511,617; Oct. 14.
 Koch, Theodor, and K. K. Ledig, assignors to American Platinum Works, Newark, N. J. Perforation cleansing reciprocating-brush apparatus. 1,511,618; Oct. 14.
 Koelker, Oscar H., assignor to The Willys-Overland Company, Toledo, Ohio. Transmission-grease retainer. 1,511,481; Oct. 14.
 Koerner, Ewald, Dresden, Germany, assignor to United Cigarette Machine Co., Inc., Lynchburg, Va. Cutter for cigarette-rod machines. 1,511,284; Oct. 14.
 Kollock, George L., Seattle, Wash. Electric hammer. 1,511,566; Oct. 14.
 Krämer, A. (See Seltz, P., and Krämer.)
 Kraus, William G., Brillion, Wis. Automobile signal lamp. 1,511,673; Oct. 14.
 Kravitt, Irwin H., Philadelphia, Pa. Lamp stand. Des. 65,784; Oct. 14.
 Kries, Lawrence F., Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,511,408; Oct. 14.
 Kronemaker, Frank J., and G. M. Chicago, Ill. Interlocked shingle. 1,511,732; Oct. 14.
 Kronemaker, Grant M. (See Kronemaker, Frank J., and G. M.)
 Krueger, Edward J., Milwaukee, Wis. Ventilating device. 1,511,409; Oct. 14.
 Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,511,222; Oct. 14.
 Kusel, Isidor J., assignor to Stronghart Company, Chicago, Ill. Coin bank. 1,511,482; Oct. 14.
 Kusel, Isidor J., assignor to Stronghart Company, Chicago, Ill. Coin bank. 1,511,483; Oct. 14.
 La Chapelle, Elmer V., Chicago, Ill. Oil-sampling device. 1,511,223; Oct. 14.
 Lachman, Laurence S., New York, N. Y. Reel. 1,511,285; Oct. 14.
 Lackey, James F., St. Paul, Minn. Type-making machine. 1,511,733; Oct. 14.
 Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Casting appliance. 1,511,224; Oct. 14.
 Lambert, Paul H. F., Paris, France. Method and device for the automatic starting of continuous or alternating current motors by means of contact devices. 1,511,567; Oct. 14.
 Langhaar, Louis, Aurora, Ind. Antifriction bearing. 1,511,286; Oct. 14.
 Lane, Russell C., Columbus, Ohio. Calendar. 1,511,568; Oct. 14.
 Laporte, B., Limited. (See Alcock, Horace E., assignor.)
 Larkin, Ernest V. (See Miles, E. F., and Larkin.)
 Larm, Albert J., Hagerstown, Md. Curling iron. 1,511,410; Oct. 14.
 Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Pencil. 1,511,225; Oct. 14.
 Larsen, Hans, Saskatoon, Saskatchewan, Canada. Separating weed seed from grain. 1,511,734; Oct. 14.
 Larson, Clifford M., and C. L. Knopf, Chicago, Ill. Viscosimeter. 1,511,998; Oct. 14.
 Latham, Marc L., Angels Camp, Calif. Solution meter. 1,511,765; Oct. 14.
 Lavinder, Alfred D. (See Cappellanti, Harry, assignor.)
 Lawrence, Stanley O., assignor to The Beckley-Ralston Co., Chicago, Ill. Wrench. 1,511,226; Oct. 14.
 Lawrence, Winthrop S. (See Marston, T., and Lawrence.)
 Lazear, Leroy C., Chicago, Ill. Steering wheel. 1,511,227; Oct. 14.
 Lechler, Bruno C., assignor of one-half to Fletcher Works, Incorporated, Philadelphia, Pa. Apparatus for treating sugar. 1,511,619; Oct. 14.
 Ledig, Kurt K. (See Koch, T., and Ledig.)
 Lehman, Edward G., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Tote box. 1,511,569; Oct. 14.
 Leiner, George S., New Rochelle, and C. A. Bernstein, New York, N. Y. Brush. 1,511,620; Oct. 14.

Lennox, John S. (See Blume, L. F. and Lennox.)
 Le Rud, Gustav M., Argusville, N. Dak. Band cutter. 1,511,735; Oct. 14.
 Lévy, Marcel. (See Terrisse, H. and Lévy.)
 Lewis, Fanny F., Philadelphia, Pa. Advertising device for cars and other vehicles. 1,511,814; Oct. 14.
 Lewis, Fred K., Ashtabula, Ohio. Top for vehicles and the like. 1,511,570; Oct. 14.
 Library Bureau. (See Dawson, George H., assignor.)
 Lietz, Paul S., Chicago, Ill. Safety razor. 1,511,736; Oct. 14.
 Lightner, Arthur D. (See Holmes, E. and Lightner.)
 Linde Air Products Company, The. (See Carter, Glenn O., assignor.)
 Lindemann, Frederick W., St. Paul, Minn. Dual valve. 1,511,974; Oct. 14.
 Lindley, James F., assignor to Indiana Canning Machinery Company, Indianapolis, Ind. Machine for making chili sauce. 1,511,287; Oct. 14.
 Lindley, James F., assignor to Indiana Canning Machinery Company, Indianapolis, Ind. Tomato pulper and seed extractor. 1,511,288; Oct. 14.
 Link, George N., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Balancing device for extractors. 1,511,621; Oct. 14.
 Link, Richard A. (See Kelly, E. A. and Link.)
 Liquid Carbonic Company. (See Mohler, Valentine J., assignor.)
 Ljungström, Fredrik, Brevik, Lidington, and I. Broberg, Skarsåtra, Lidingö, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Locomotive provided with condensers. 1,511,975; Oct. 14.
 Lober, George H., Toledo, Ohio. Machine for forming brass spring strips for radiators. 1,511,349; Oct. 14.
 Löfström, George A. G. (See Helldov, C. A. and Löfström.)
 London General Omnibus Company, The. (See Shave, George J., assignor.)
 Lord, George S., New York, N. Y. Hairdresser's cape. 1,511,737; Oct. 14.
 Lowe, Ernest A., Plainfield, N. J., assignor, by mesne assignments, to Automatic Sprinkler Company of America, Dover, Del. Automatic sprinkler head. 1,511,289; Oct. 14.
 Lowmsbery, Frank W., assignor of one-third to S. S. Spruks and one-third to W. M. Gardner, Scranton, Pa. Extension handle for wrenches and other tools. 1,511,738; Oct. 14.
 Lucas, Owen D., Bayswater, assignor to Vickers Limited, Westminster, London, England. Ignition system for flares, bombs, and the like adapted to be dropped from aircraft. 1,511,622; Oct. 14.
 Lüdecke, Karl. (See Connstein, W. and Lüdecke.)
 Lüdorf, Gustav, assignor to the Firm of: Gustav Lüdorf & Sohn G. m. b. H., Barmen, Germany. Three-storied lathe for ribbon looms. 1,511,290; Oct. 14.
 Lüdorf, Gustav, & Sohn G. m. b. H. (See Lüdorf, Gustav, assignor.)
 Ludwig, Thomas I., Detroit, Mich. Garment support. 1,511,766; Oct. 14.
 Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making welt-ing. 1,511,228; Oct. 14.
 Lusby, George R., Hesler, Ky. Shears. 1,511,892; Oct. 14.
 Luttrell, Paul S., and P. C. Roske, Oakland, Calif. Thuring device. 1,511,893; Oct. 14.
 Luttrell, Paul S., Oakland, and P. C. Roske, San Francisco, assignors to American Clock Corporation, Oakland, Calif. Clock structure. 1,511,894; Oct. 14.
 Luttrell, Paul S., Oakland, and P. C. Roske, San Francisco, assignors to American Clock Corporation, Oakland, Calif. Alarm setting and actuating mechanism for clocks. 1,511,895; Oct. 14.
 Lyon, Harry, assignor to Barbour Weltling Company, Brockton, Mass. Welt. 1,511,411; Oct. 14.
 Lyon, William D., Akron, Ohio. Glareshield. 1,511,412; Oct. 14.
 Macfarlane, Malcolm, London, England. Portable vapor-burner incandescent lamp. 1,511,675; Oct. 14.
 Mackenzie, Gotthilf, Jr., Geelong, Victoria, Australia. Wheel for tractors and the like. 1,511,293; Oct. 14.
 Mack-International Motor Truck Corporation. (See Hopper, Frank A., assignor.)
 MacLachlan Reduction Process Co. (See MacLachlan, Angus, assignor.)
 MacLachlan, Angus, Perth Amboy, N. J., assignor to MacLachlan Reduction Process Co., New York, N. Y. Treating sewage sludge. 1,511,418; Oct. 14.
 Maegly, Frederick C. (See Posson, Edward, assignor.)
 Magnus Electric Company. (See McClatchie, Stanley, assignor.)
 Makay, Carl, Portland, Oreg. Reamer. 1,511,898; Oct. 14.
 Mallé, Frank T., Wadsworth, Ohio. Shoe-closure fastener. 1,511,899; Oct. 14.
 Mallory, Frederick B., Portland, Oreg. Block. 1,511,419; Oct. 14.
 Mandis, John A., Highland Park, Mich. Snap fastener. 1,511,900; Oct. 14.
 Manhattan Electrical Supply Company. (See Yagve, Victor, assignor.)
 Manley, Robert E., York, Pa. High-speed garage jack. 1,511,625; Oct. 14.

Mann, Thomas H., Spreydon, New Zealand. Mouthpiece for smoking pipes. 1,511,999; Oct. 14.
 Manning, James W., Saginaw, Mich. Tractor wheel. 1,511,294; Oct. 14.
 Mardis, Paul L. (See Hall, A. J. and Mardis.)
 Marien, Nicholas C., Chicago, Ill. Air washer. 1,511,834; Oct. 14.
 Marino, Pasquale, Harrison, N. J. Drawing table. 1,511,626; Oct. 14.
 Markham, Lorenzo O., Olympia, Wash. Vehicle brake. 1,511,976; Oct. 14.
 Markow, Bernard, New York, N. Y. Cage structure. 1,511,815; Oct. 14.
 Marshall, Jean H., Binghamton, N. Y. Surgical appliance. 1,511,572; Oct. 14.
 Marshall, William, Cheadle Hulme, England. Manufacture of fabrics containing artificial silk. 1,511,741; Oct. 14.
 Marston, Trowbridge, Morristown, N. J., and W. S. Lawrence, Brooklyn, assignors to Kaumagraph Co., New York, N. Y. Transfer and transfer ink. 1,511,816; Oct. 14.
 Martin, Ralph, Brooklyn, N. Y. Portable secondary battery. 1,511,230; Oct. 14.
 Matthews, James H., & Company. (See Wade, H. R., and Frink, assignors.)
 Matthies, Friedrich C., Lauerbach bei Erbach, Germany, assignor to G. E. Stahl, Jersey City, N. J. Preserving wood and wooden structures. 1,511,742; Oct. 14.
 Mayne, Daniel L. (See Ulrey, D. and Mayne.)
 McAuley, Thomas W., Toronto, Ontario, Canada. Car stake. 1,514,413; Oct. 14.
 McCarthy, Dan W., et al. (See Julian, Marcena R., assignor.)
 McClatchie, Stanley, Cambridge, Mass., assignor to Magnus Electric Company, Inc. Attachment plug. 1,511,674; Oct. 14.
 McClintock, David F., Jackson, Tenn. Piston. 1,511,414; Oct. 14.
 McConnell, Henry K., Richmond, Va., assignor to Tobacco-By-Products and Chemical Corporation, Louisville, Ky. Dust insecticide and method and apparatus for making the same. 1,511,623; Oct. 14.
 McConnell, John A. (See Barnum, William E., assignor.)
 McCreary, Edward, assignor to J. McCreary and E. J. McCreary Cohoes, N. Y. Machine for treating blankets or fabrics. 1,511,896; Oct. 14.
 McCreary, Edward J., et al. (See McCreary, Edward, assignor.)
 McCreary, John, et al. (See McCreary, Edward, assignor.)
 McCreary, Harold E., et al. (See Smith, George K., assignor.)
 McCulley, James H., Bozeman, Mont. Attachment for slug-casting type-setting machines. 1,511,571; Oct. 14.
 McDowell, Irving, Brooklyn, N. Y. Attachment for internal-combustion engines. 1,511,739; Oct. 14.
 McEvoy, Joseph H., Houston, Tex. Work-feeding mechanism for drill presses or the like. 1,511,415; Oct. 14.
 McGaffie, Walter C., assignor to The Youngstown Boiler & Tank Company, Youngstown, Ohio. Manhole construction. 1,511,767; Oct. 14.
 McGeary, Maurice M., and A. J. Diefenbach, Johnstown, Pa. Support and carrier for fire hose. 1,512,003; Oct. 14.
 McGrath, William L., Elmira, N. Y. Wheel hub. 1,511,291; Oct. 14.
 McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,511,410; Oct. 14.
 McGuckin, John J., Brooklyn, assignor to L. Schwab, New York, N. Y. Cylinder gauge. 1,511,624; Oct. 14.
 McHenry, Luther J., Bloomsburg, Pa. Tire chain. 1,511,740; Oct. 14.
 McIntyre, Frank E. (See Borgal, Wilbert M., assignor.)
 McKain, Paul B. (See Heinze, William A., assignor.)
 McKee, Raymond G., Delhi, N. Y. Transformer core for radio work. 1,511,229; Oct. 14.
 McKune, Clifford A., San Francisco, Calif. Clothespin. 1,511,897; Oct. 14.
 McLeod, William M., Monte Vista, Colo. Stone rake. 1,511,292; Oct. 14.
 McMullan, Robert, Fremantle, Western Australia, Australia. Fluid-tight joint. 1,511,417; Oct. 14.
 Meadows, Albert, and A. G. Sherman, assignors to Detroit Vapor Stove Company, Detroit, Mich. Oil stove. 1,511,420; Oct. 14.
 Melselbach, August D., assignor to M. Melselbach, Shelby, Ohio. Fork crown. 1,511,350; Oct. 14.
 Melselbach, Margaret. (See Melselbach, August D., assignor.)
 Melsenburg, Kurt. (See Taub, L., Schütz, and Melsenburg.)
 Mendenhall, Fred D. (See Haskins, Harry T., assignor.)
 Meng, Leander, Genoa, Ohio. Band brake. 1,511,627; Oct. 14.
 Meserole, Milton D., assignor to The Hayes-Meserole Mfg. Co., Inc., Millford, Conn. Hair curler. 1,511,743; Oct. 14.
 Metal & Thermit Corporation. (See Müller, Karl, assignor.)

Metzger, Floyd J., New York, N. Y., and J. T. Orr, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Circuit protective device. 1,511,744; Oct. 14.
 Meurer, Nicolaus, Berlin-Tempelhof, Germany. Apparatus for atomizing elongated bodies such as wires and bands. 1,511,977; Oct. 14.
 Meyers, J. A., & Co. (See Meyers, Joseph A., assignor.)
 Meyers, Joseph A., assignor to J. A. Meyers & Co., Inc., Los Angeles, Calif. Badge or article of similar nature. Des. 65,785; Oct. 14.
 Michaud, Elzard, assignor to C. W. Gillett, Chicago, Ill. Locking device for automobiles. 1,511,351; Oct. 14.
 Midwest Air Filters, Inc. (See Runback, Karl G., assignor.)
 Miles, Earl F., and E. V. Larkin, Buffalo, N. Y. Secured car door. 1,511,231; Oct. 14.
 Miller Company, The. (See Wolter, Herman H., assignor.)
 Miller, Frederick H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,511,352; Oct. 14.
 Miller, Frederick H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,511,353; Oct. 14.
 Miller, H. H., Industries Company, The. (See Miller, Harvey H., assignor.)
 Miller, Harvey H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Apparatus for treating liquid. 1,511,421; Oct. 14.
 Miller, John W., Toledo, Ohio. Traffic signal. 1,511,901; Oct. 14.
 Miller, Royal R., Chicago, Ill., assignor to Miller Traction Tread Company. Track-laying tread drive wheel. 1,511,573; Oct. 14.
 Miller Traction Tread Company. (See Miller, Royal R., assignor.)
 Milwaukee Stamping Company. (See Petrie, August J., assignor.)
 Mitchell, F. Robins. (See Champney, R. P. and Mitchell.)
 Moborg, Arthur E., Batavia, Ill. Doorstop. 1,511,295; Oct. 14.
 Mohler, Valentine J., Baltimore, Md., assignor to Liquid Carbonic Company. Crowning machine. 1,511,745; Oct. 14.
 Mohr, Franklin. (See Quarles, D. A. and Mohr.)
 Morse Patents Company. (See Morse, Reginald A., assignor.)
 Morse, Reginald A., assignor to Morse Patents Company, Providence, R. I. Thread guide. 1,511,356; Oct. 14.
 Morrison, Simon, Brooklyn, N. Y. Vanity box. 1,511,354; Oct. 14.
 Morrison, William F., assignor to Northwestern Machine Corporation, St. Louis, Mo. Belt-hook-making device. 1,511,355; Oct. 14.
 Mortzell, Edward H., Stockholm, Sweden. Indicating and recording instrument. 1,511,574; Oct. 14.
 Montague, George F., New York, N. Y. Receptacle. 1,511,817; Oct. 14.
 Moore, Leland S., Tacoma, Wash. Vehicle testing mechanism. 1,511,818; Oct. 14.
 Muchajer, Paul, Charlottenburg, assignor of one-half to Gunda-Werk Vereinigte Blechspielwarenfabriken, Brandenburg Havel, Germany. Typewriter. 1,511,676; Oct. 14.
 Mueller, Moritz L., assignor of one-half to H. Fryer and one-half to Northwest Blower Kiln Co., Seattle, Wash. Barrel-drying kiln. 1,511,835; Oct. 14.
 Mugler, Julius, Berlin, and H. Wölke, Bremen, Germany. Submarine boat with steam as driving power. 1,511,902; Oct. 14.
 Muhlebach, John J., New York, N. Y. Safety device for boilers. 1,511,978; Oct. 14.
 Muhleisen, Karl, assignor to Schutte and Koerting Company, Philadelphia, Pa. Heat-exchange apparatus. 1,511,836; Oct. 14.
 Müller, Karl, Essen, Germany, assignor to Metal & Thermit Corporation, New York, N. Y. Making ferrochromium. 1,511,628; Oct. 14.
 Murray, Howard J., New York, N. Y. Clutch-ring-synchronizing device. 1,511,232; Oct. 14.
 Murray, Thomas E. (See Ryplinski, Albert R., assignor.)
 Myers, William M., Hannibal, Mo. Belt buckle. 1,511,903; Oct. 14.
 Nairne, Eldridge, Roxbury, assignor of one-third to D. Finkelstein, Boston, and one-third to J. Goose, Chelsea, Mass. Automobile goggles. 1,511,357; Oct. 14.
 Nakai, Muraji, Hyogo-Ken, Japan. Construction of injectors. 1,511,768; Oct. 14.
 National Acme Company, The. (See Drissner, Alfred E., assignor.)
 National Equipment Company. (See Bausman, Alonzo L., assignor.)
 National Safety Devices Company. (See Woodring, Alberto I., assignor.)
 Nebergall, Loran E., Denver, Colo. Block and elevator connector. 1,511,837; Oct. 14.
 Nelson, Nels O. (See Wennerblad, E. G., Nelson, and Johnson.)
 Nesbitt, James H., Cleveland, Ohio. Automobile tilting device. 1,511,358; Oct. 14.
 Newport News Shipbuilding & Dry Dock Company. (See Popp, Harry E., assignor.)
 Newton, Albert E., assignor to Rhode Island Lace Works, West Barrington, R. I. Lace. Des. 65,786; Oct. 14.

New York Standard Ash Can Manufacturing Company. (See Feig, Paul, assignor.)
 Nicholson, Joseph R., assignor to F. A. Bessire, Wichita, Kans. Oil burner. 1,511,904; Oct. 14.
 Nicols, Andrew C., Youngstown, Ohio. Safety device for power presses. 1,511,233; Oct. 14.
 Noel, Louis, New York, N. Y. Bracelet. Des. 65,787; Oct. 14.
 Noll, Samuel J., Newark, N. J. Nut for screws. 1,511,746; Oct. 14.
 Norman, Thomas E., Fall River, assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. 1,511,296; Oct. 14.
 Northwest Blower Kiln Co., et al. (See Mueller, Moritz L., assignor.)
 Northwestern Machine Corporation. (See Morrison, William F., assignor.)
 Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing system. 1,511,629; Oct. 14.
 O'Bannon Company. (See Bastow, Carrodus, assignor.)
 Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
 Ogile, Elmer L., assignor to Federal Electric Company, Chicago, Ill. Electric fuse. 1,511,838; Oct. 14.
 Oil Fuel Engineering Corporation. See Hoffman, William M., assignor.)
 Oldham, Joseph F., Horse Shoe Bottom, Ky. Roller or ball bearing. 1,511,905; Oct. 14.
 Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Odometer drive. 1,511,234; Oct. 14.
 Onelda Community, Limited. See Jones, A. C., and O'Neill, assignors.)
 O'Neill, Jeremiah. (See Jones, A. C., and O'Neill.)
 Onnertz, Paul, Berlin-Wilmersdorf, and A. Peters, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyeing wool with dyestuffs capable of being chromed. 1,511,359; Oct. 14.
 Orr, John T. (See Metzger, F. J., and Orr.)
 Orrock, John W., Westmount, Quebec, Canada. Underground conduit. 1,511,769; Oct. 14.
 Osborne, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Anti-inductive system. 1,511,360; Oct. 14.
 Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Temperature regulator. 1,512,008; Oct. 14.
 Otis, Spencer, Chicago, Ill. Locomotive terminal coaling and sanding station. 1,511,819; Oct. 14.
 Overmyer, Charles G., Hartford City, Ind. Glass caster. 1,511,906; Oct. 14.
 Ozlek, Morris, Philadelphia, Pa. Adjustable lamp. 1,511,630; Oct. 14.
 P. & M. Company, The. (See Warr, Harold G., assignor.)
 Paasche, Jens A., Chicago, Ill. Pneumatic spraying device. 1,511,361; Oct. 14.
 Page, Clarence, assignor to Chicago Pneumatic Tool Company, Detroit, Mich. Locking means for impact tools. 1,511,677; Oct. 14.
 Pagé, Victor W., Stamford, Conn. Motor-cycle frame. 1,511,631; Oct. 14.
 Paine, Harry W. (See Smith, A. A., and Paine.)
 Parker, Fred. (See Weinberg, William J., assignor.)
 Parkin, Henry, Philadelphia, Pa. Piston ring. 1,511,576; Oct. 14.
 Parker, Melvin J., Quimby, Iowa. Jackscrew extension attachment. 1,511,747; Oct. 14.
 Penksa, Stanley, Long Island City, N. Y. Sap spout. 1,511,632; Oct. 14.
 Pennoyer, George A., Crowheart, Wyo. Hay loader. 1,511,297; Oct. 14.
 Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
 Peters, Alfred. (See Onnertz, P., and Peters.)
 Peters, Oscar M., Baltimore, Md. Nonskid chain. 1,511,362; Oct. 14.
 Peterson, Howard B., San Francisco, Calif. Combination metering pump and fuel spray valve. 1,511,484; Oct. 14.
 Peterson, Jonathan, Brooklyn, assignor to Combination Machine Company, New York, N. Y. Tobacco package or container. 1,512,000; Oct. 14.
 Peterson, Nils, Moscow, Idaho. Sewer cleaner. 1,511,577; Oct. 14.
 Petrie, August J., assignor to Milwaukee Stamping Company, West Allis, Wis. Bag-frame bracket. 1,511,907; Oct. 14.
 Peizold, Paul, Gera, Germany. Machine vise. 1,511,298; Oct. 14.
 Peyoto, Calvit F., Harrisburg, Tex. Gate. 1,511,578; Oct. 14.
 Phelps Manufacturing Company. (See Phelps, Morton F., assignor.)
 Phelps, Morton F., assignor to Phelps Manufacturing Company, Little Rock, Ark. Labeling machine. 1,511,235; Oct. 14.
 Pickering, Jack I., Hounslow, England. Differential lock. 1,511,908; Oct. 14.
 Pieper, Oscar H., Rochester, N. Y. Dental apparatus. 1,511,422; Oct. 14.

Pierce, Frank M. and W. B., Chicago, Ill., assignors to Pierce Wrapping Machine Co. Tire-wrapping machine. 1,511,579; Oct. 14.
 Pierce, Paul. (See Pierce, Frank M., P., and W. B.)
 Pierce, William B. (See Pierce, Frank M., P., and W. B.)
 Pierce Wrapping Machine Co. (See Pierce, Frank M., P., and W. B., assignors.)
 Plerson, William A., Saratoga Springs, N. Y. Window-washing machine. 1,511,363; Oct. 14.
 Pine Waste Products, Inc. (See Greenwood, Frank E., assignor.)
 Pollard, Walter C., Steelton, Pa. Mopping machine. 1,511,633; Oct. 14.
 Pope, John M., Norman Park, Ga. Combined cultivator and boll-weevil exterminator. 1,511,979; Oct. 14.
 Popp, Harry E., Cleveland, Ohio, assignor, by mesne assignments, to Newport News Shipbuilding & Dry Dock Company, Newport News, Va. Draft tube. 1,511,364; Oct. 14.
 Posakony, William J. (See Synstetten, Bernhard J., assignor.)
 Posson, Edward, assignor of one-half to F. C. Maegly, Chicago, Ill. Grain door. 1,511,839; Oct. 14.
 Potter, William, New York, N. Y. Woodworking machine. 1,511,748; Oct. 14.
 Powell, James A., Reading, Pa. Combination heater. 1,511,749; Oct. 14.
 Pratt & Whitney Company. (See Ingham, Walter E., assignor.)
 Pratt & Whitney Company. (See Thacher, John J., assignor.)
 Prince, Willis, Monmouth, Me. Self-supporting ladder. 1,511,590; Oct. 14.
 Printing Index Company. (See Dement, Isaac S., assignor.)
 Prosperity Company. (See Schaeffer, Walderma C., assignor.)
 Prunell, John H., Kidderminster, England. Jacquard cylinder. 1,511,770; Oct. 14.
 Putnam, John J., Rutland, Vt. Carrier. 1,511,299; Oct. 14.
 Putnam, Joseph W., East Orange, N. J. Roller mounting. 1,511,840; Oct. 14.
 Pyle-National Company, The. (See Dake, Charles W., assignor.)
 Quarles, Donald A., Englewood, and F. Mohr, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,511,423; Oct. 14.
 Quin, Rosina B., administratrix. (See Hood, J. J., and Clark.)
 Raber, Mathias, Bend, Oreg. Oil burner. 1,511,519; Oct. 14.
 Ramsburg, Earl, Janelew, W. Va. Waiting table. 1,511,365; Oct. 14.
 Rand, James H., North Tonawanda, N. Y. Index device. 1,511,750; Oct. 14.
 Rankin, William A., Oak Park, Ill., assignor to Edison Electric Appliance Company, Inc. Door mechanism. 1,511,841; Oct. 14.
 Rapp, Perry, and M. D. Ratner, Chicago, Ill. Stitch marker. 1,511,366; Oct. 14.
 Rathsburg, Hans, Furth, Germany. Explosive compound for primers and detonators. 1,511,771; Oct. 14.
 Ratner, Max D. (See Rapp, P., and Ratner.)
 Ray, Elbert A., et al. (See Bentley, William G., assignor.)
 Rees, William H., Berkeley, Calif. Catalyst and making the same. 1,511,520; Oct. 14.
 Reimers, Matthias H., Hoboken, N. J., assignor to W. N. Best Corp., New York, N. Y. Oil burner. 1,511,772; Oct. 14.
 Reiss, Louis P. (See Wright, George T., assignor.)
 Reliance Machine & Specialty Company. (See Bartlett, Leonard, assignor.)
 Reynolds, Paul, Chattanooga, Tenn. Advertising device. 1,511,521; Oct. 14.
 Rhode Island Lace Works. (See Newton, Albert E., assignor.)
 Rich Tool Company. (See Jardine, Robert, assignor.)
 Richards, John H., Pocatello, Idaho. Ballast car. 1,511,424; Oct. 14.
 Richardson Company, The. (See Heppes, Otto A., assignor.)
 Riedesel, Hubert, Lanesboro, Iowa. Device for removing cups. 1,511,773; Oct. 14.
 Rifkin, Joseph, assignor to L. Heller & Son, Inc., New York, N. Y. Display box. 1,511,774; Oct. 14.
 Riglins, William M., Austinville, Va. Rail clamp and brace. 1,511,367; Oct. 14.
 Riley, Robert S., assignor to Sanford Riley Stoker Co., Worcester, Mass. Underfeed stoker. 1,511,980; Oct. 14.
 Riley, Robert S., assignor to Sanford Riley Stoker Company, Worcester, Mass. Fastening construction. 1,511,981; Oct. 14.
 Riley, Sanford Stoker Co. (See Riley, Robert S., assignor.)
 Rioux, Eugene F., New York, N. Y., and R. L. Colter, Wanchula, Fla. Ice applicator. 1,511,775; Oct. 14.
 Ritter, John H. (See Ritter, John J., and J. H.)
 Ritter, John J. and J. H., Seattle, Wash. Automatic battery-charging apparatus. 1,511,581; Oct. 14.
 Robbins and Myers Company, The. (See Stuart, Harve R., assignor.)

Roberts, Joseph H., Waterbury, Conn. Friction clutch. 1,511,776; Oct. 14.
 Roberts, William, Springfield, Ohio. Door holder. 1,511,368; Oct. 14.
 Robin Hood Mills Limited. (See Smith, Louis E., assignor.)
 Robinson, Edward A., assignor of one-half to himself and one-half to E. A. Workman, Montreal, Quebec, Canada. Tubular mount for train connectors. 1,511,300; Oct. 14.
 Rochefort, Francois, Paris, France. Fuel atomizer and vaporizer. 1,511,820; Oct. 14.
 Roche, Louis, Brooklyn, N. Y. Opening and closing device for separable fasteners. 1,511,777; Oct. 14.
 Rockford Milling Machine Company. (See Sundstrand, Gustaf D., assignor.)
 Rogness, Martin E., Ortley, S. Dak. Piston-repairing machine. 1,511,909; Oct. 14.
 Rolls Royce Limited. (See Royce, Frederick H., assignor.)
 Rolsky, Emanuel, Kansas City, Mo. Combined bottle-cap remover and receiver. 1,511,522; Oct. 14.
 Rosenberg, Heyman, New York, N. Y. Gauging apparatus. 1,511,236; Oct. 14.
 Roske, Paul C. (See Luttrell, P. S., and Roske.)
 Roucka, Erich, East Orange, N. J. Automatic regulator. 1,511,425; Oct. 14.
 Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Change-speed mechanism for mechanically-propelled vehicles. 1,511,910; Oct. 14.
 Rucker, John H., Irving, Ill. Handle for steering wheels. 1,511,523; Oct. 14.
 Ruehmel, Frank H., Latonia, Ky. Theft alarm for motor vehicles. 1,511,778; Oct. 14.
 Runback, Karl G., assignor to Midwest Air Filters, Inc., New York, N. Y. Air-conditioning apparatus. 1,511,911; Oct. 14.
 Runcle, Walter O., Wenonah, N. J. Transparency possessing stereoscopic relief and making it. 1,512,010; Oct. 14.
 Runge, Robert F., Forest Hills, N. Y., assignor to The Hess-Bright Manufacturing Company. Ball cage or retainer for ball bearings. 1,511,634; Oct. 14.
 Russakov, Jacob I., Chicago, Ill. Receptacle cover. 1,511,426; Oct. 14.
 Ruhs, Johannes, Djursholm, assignor to Aktiebolaget Vapornkunnulator, Stockholm, Sweden. Safety device. 1,511,524; Oct. 14.
 Rutt, Edward, Sonoma, Calif. Radiator cap. 1,511,427; Oct. 14.
 Ruzicki, Louis P., Los Angeles, Calif. Combination carpenter machine. 1,511,635; Oct. 14.
 Rybinski, Albert H., assignor to T. E. Murray, Brooklyn, N. Y. Cut-out box and meter adapter. 1,511,636; Oct. 14.
 Saart, Albert G., Attleboro, Mass., assignor to Saart Brothers Company. Compact container. 1,511,525; Oct. 14.
 Saart Brothers Company. (See Saart, Albert G., assignor.)
 Sales, Murray W., & Company. (See Schossow, Frederick A., assignor.)
 Sandahl, Ragnar, assignor to O. L. Christenson, Stockholm, Sweden. Producing salts of ammonia. 1,511,912; Oct. 14.
 Sanders, John, Denver, Colo. Plowshare with removable point. 1,511,301; Oct. 14.
 Sandin, Maurits J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric cut-out. 1,511,369; Oct. 14.
 Sando, Marie A. (See Thoeni, Andrew, assignor.)
 Sanford, Hugh W., Knoxville, Tenn. Grease-gun connection. 1,511,370; Oct. 14.
 Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,511,371; Oct. 14.
 Sardeson, Robert, and J. Corser, Minneapolis, Minn., assignors to A. Scharff, Chicago, Ill. Heating device. 1,511,779; Oct. 14.
 Saunders, Laurence P., Lockport, N. Y. Adjusting taps on internal-combustion engines. 1,511,913; Oct. 14.
 Savory, Robert H., Worcester, Mass. Canopy for electric fixtures. 1,511,914; Oct. 14.
 Schaper, Harry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Double-reading weighing mechanism. 1,511,428; Oct. 14.
 Scharff, Andrew. (See Sardeson, R., and Corser, assignors.)
 Schaeffer, Walderma C., Mohawk, assignor to Prosperity Company, Inc., Syracuse, N. Y. Work conveyor for laundry and garment-pressing machines. 1,511,582; Oct. 14.
 Schenker, Joseph, Minneapolis, Minn. Signboard. 1,511,429; Oct. 14.
 Schilling, John N., Columbus, Ohio. Rubbish can. 1,511,982; Oct. 14.
 Schmidt, Ludwig, assignor to Essmuller Mill Furnishing Company, St. Louis, Mo. Grinding roll for flour mills. 1,511,842; Oct. 14.
 Schmidt, Ludwig, assignor to Essmuller Mill Furnishing Company, St. Louis, Mo. Grinding roll for flour mills. 1,511,843; Oct. 14.
 Schnetzer, Karl, Obersiedlitz, Czechoslovakia. Shut-off valve for steam, gas, or fluid. 1,511,302; Oct. 14.

Schonberg, Adolph O., New York, N. Y. Baseball-pitcher's practice target. 1,511,430; Oct. 14.
 Schossow, Frederick A., assignor to Murray W. Sales & Company, Detroit, Mich. Water-inlet valve for tanks. 1,511,431; Oct. 14.
 Schreiber, Emilie, Atchison, Kans. Key-carrying garment attachment. 1,511,303; Oct. 14.
 Schroyer, George B., Wilmington, Del. Case. 1,511,304; Oct. 14.
 Schutte and Koertling Company. (See Muhleisen, Karl, assignor.)
 Schütz, Ludwig. (See Taub, L., Schütz, and Melsenburg.)
 Schwab, Louis. (See McGuckin, John J., assignor.)
 Schwartzberg, Louis, Chicago, Ill. Cellular carton. 1,511,678; Oct. 14.
 Schwarz, Carl, Pittsburgh, Pa. Extension tower. 1,511,679; Oct. 14.
 Seber, John E., and G. H. Chaplain, Leavenworth, Kans. Incubator. 1,511,305; Oct. 14.
 Seddon, Samuel M. (See Wigton, G. H., and Seddon.)
 Seguin, Augustin, Paris, France. Apparatus for the measurement of frequency. 1,511,583; Oct. 14.
 Seltz, Ernest O., assignor to C. M. Hall Lamp Company, Detroit, Mich. Headlight attachment. 1,511,526; Oct. 14.
 Seltz, Paul, and A. Krämer, Kreuznach, Germany. Weighing machine with automatic indicating or printing device. 1,511,527; Oct. 14.
 Sellers Manufacturing Company. (See Watt, John R., assignor.)
 Semm, Alfred, Port Jefferson Station, N. Y. Bracket. 1,511,372; Oct. 14.
 Shambow, John C., assignor to Shambow Shuttle Company, Woonsocket, R. I. Friction device for shuttles. 1,511,680; Oct. 14.
 Shambow Shuttle Company. (See Shambow, John C., assignor.)
 Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
 Shave, George J., Westminster, London, assignor to The London General Omnibus Company, Limited, London, England. Road vehicle for passengers. 1,511,844; Oct. 14.
 Shaw, William, Middlesbrough, England. Annealing cover. 1,511,681; Oct. 14.
 Sha, Arthur, Aurora, Ill. Sand toy. 1,511,983; Oct. 14.
 Shepard, Victor J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resilient center for flexible gears. 1,511,373; Oct. 14.
 Sherk, Thomas W., Jacksonville, Fla. Ice-cream dispenser. 1,511,915; Oct. 14.
 Sherman, Alvin G. (See Meadows, A., and Sherman.)
 Shreckengast, Harvey B., Binghamton, N. Y. Wire-twisting tool for concrete forms. 1,511,237; Oct. 14.
 Simon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,511,374; Oct. 14.
 Simmons, William, New York, N. Y. Bow-shuttle spindle. 1,511,375; Oct. 14.
 Sims, Alfred V., New York, N. Y. Safety sea suit. 1,511,528; Oct. 14.
 Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
 Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
 Singer, Philip A., Glenellyn, Ill. Treating material. 1,511,238; Oct. 14.
 Sipes, Dare, Bethel Springs, Tenn. Knife attachment for revolvers. 1,511,916; Oct. 14.
 Skelly, Frank F., Ramona, Calif. Flytrap. 1,511,682; Oct. 14.
 Skidmore, Benjamin, Jr., Chicago, Ill. Automatically actuating control devices. 1,511,432; Oct. 14.
 Slate, Thomas B., New York, N. Y. Method of and apparatus for refrigeration and preserving perishable products. 1,511,306; Oct. 14.
 Smith, Amos H., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Rotary plate-printing machine. 1,511,307; Oct. 14.
 Smith, Arthur A., and H. W. Faine, Eagle Grove, Iowa. Tire-chain fastener and lock. 1,511,917; Oct. 14.
 Smith, Bennie R., Edwards, Mo. Railroad-crossing signal. 1,511,918; Oct. 14.
 Smith, Eric M., Eastcote, England. Rotary shearing and other hand-operated tool. 1,511,781; Oct. 14.
 Smith, Fulton H. (See Snyder, M. H., and Smith.)
 Smith, George K., Camden, N. J., assignor of one-third to H. E. McCrery and one-third to A. E. Jessor, Philadelphia, Pa. Wreath form. 1,511,780; Oct. 14.
 Smith, Gladys. (See Franklin, Lee F., assignor.)
 Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Fuel-feeding mechanism. 1,511,782; Oct. 14.
 Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. 1,511,845; Oct. 14.
 Smith, Louis E., New Prague, Minn., assignor to Robin Hood Mills Limited, Moose Jaw, Saskatchewan, Canada. Groat-cutting machine. 1,511,846; Oct. 14.
 Smith Separator Company. (See Waters, Millard F., assignor.)
 Snyder, Mahlon H., and F. H. Smith, Philadelphia, Pa. Mechanical toy. 1,511,239; Oct. 14.
 Société l'Air Liquide (Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude). (See Claude, Georges, assignor.)

Society Elektrizitätswerk Lonza. (See Sulser, Jakob, assignor.)
 Soule, Arthur C., San Francisco, Calif. Sash mounting. 1,511,683; Oct. 14.
 Soullier, Emmanuel J.-B. W., Nanterre, France. Apparatus for automatically printing photographic paper or film with latent image. 1,511,584; Oct. 14.
 Spackeler, Georg, Clausthal, and K. Glinz, Berlin-Dahlem, Germany. Dressing of mineral conglomerates or mixtures. 1,511,637; Oct. 14.
 Spear, Ellwood B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber. 1,511,984; Oct. 14.
 Spencer, Clyde A., Hollywood, Calif. Internal-combustion engine. 1,511,985; Oct. 14.
 Spencer, William H., Lexington, N. C. Glare eliminator. 1,511,684; Oct. 14.
 Spengler, Hugo F., Chicago, Ill. Automatic stop for phonographs. 1,511,847; Oct. 14.
 Sperry, Edward G. (See Sperry, Elmer A., and E. G.)
 Sperry, Elmer A. and E. G., assignors to The Sperry Gyroscope Company, Brooklyn, N. Y. Cooling means for gyromotors. 1,511,240; Oct. 14.
 Sperry Gyroscope Company, The. (See Sperry, Elmer A., and E. G., assignors.)
 Spiro, Walter J., White Plains, N. Y. Tire-chain holder. 1,511,685; Oct. 14.
 Spowart, John B., Berkeley, Calif. Earth auger. 1,511,433; Oct. 14.
 Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Compressor. 1,511,376; Oct. 14.
 Spruill, John C., Akron, Ohio, assignor to The B. F. Godrich Company, New York, N. Y. Inking roller. 1,511,783; Oct. 14.
 Spruka, Stephen S., et al. (See Lownsbey, Frank W., assignor.)
 Stafford Company, The. (See Jackson, Simeon S., assignor.)
 Stahl, George E. (See Matthies, Friedrich C., assignor.)
 Standard Machine Company. (See Houseman, Wilbur L., assignor.)
 Standard Oil Company. (See Davis, W. W., and Davidson, assignor.)
 Standard Oil Company. (See Humphreys, Robert E., assignor.)
 Standlee, Harvey R., Tulsa, Okla. Combined spider and gas saver. 1,511,529; Oct. 14.
 Stanley, Frederick W., Cirencester, England. Apparatus for delivering measured quantities of liquids. 1,511,986; Oct. 14.
 Starr, Charles E., assignor to Perfecto Gear Differential Co., Bellingham, Wash. Driving gearing for motor-driven vehicles. 1,511,530; Oct. 14.
 Starr, Morton H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. 1,511,531; Oct. 14.
 Starr, Morton H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Pole for weigh beams. 1,511,532; Oct. 14.
 Staszak, William H., Milwaukee, Wis. Toilet seat and seat-cover adjusting means. 1,511,533; Oct. 14.
 Staunton, Edmund G., Toronto, Ontario, Canada. Wall-paper roll. 1,511,848; Oct. 14.
 Stavick, Anton A., Sioux City, Iowa. Shoe-shining machine. 1,511,241; Oct. 14.
 Steen, Carl, Chicago, Ill. Can-soldering machine. 1,511,686; Oct. 14.
 Steinberger, Louis, Brooklyn, N. Y. Insulated connector. 1,511,534; Oct. 14.
 Steinbreder, William, assignor of one-half to Beehler Steel Products Company, St. Louis, Mo. Awning fixture. 1,511,377; Oct. 14.
 Stephenson, J. W. (See Ingram, Lee B., assignor.)
 Stern, Isidore, New York, N. Y. Denture attachment. 1,511,638; Oct. 14.
 Stern, Isidore, New York, N. Y. Denture attachment. 1,511,639; Oct. 14.
 Stevens & Company. (See McGuckin, John J.)
 Stevens, Enoch P., deceased, Chicago, Ill.; M. A. Stevens, executrix. Kiln construction. 1,511,535; Oct. 14.
 Stevens, Enoch P., deceased, Chicago, Ill.; M. A. Stevens, executrix. Yielding-arch construction. 1,512,004; Oct. 14.
 Stevens, Mary A., executrix. (See Stevens, Enoch P.)
 Stewart, Alonzo L., Rushville, Ind. Self-guiding and riding cultivator. 1,511,242; Oct. 14.
 Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
 Stidworthy, William M., Hackettstown, N. J. Glare-shield for windshields. 1,511,687; Oct. 14.
 Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Two-piece rivet. 1,511,688; Oct. 14.
 Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
 Stokes, John C., Shreveport, La. Drill and underreamer. 1,511,640; Oct. 14.
 Stone, Berkley C. (See Diehm, Lucius N., assignor.)
 Strand, Joseph. (See Westberg, E., and Strand.)
 Strickler, Cary M., Richmond, Va., assignor to American Wrench Manufacturing Company, Incorporated. Wrench. 1,511,536; Oct. 14.
 Strom, Gustav, assignor of forty-nine one-hundredths to P. D. Johnston, Pontiac, Mich. Apparatus for building concrete structures. 1,511,537; Oct. 14.

Strom, Victor A., Alameda, Calif. Parallel ruler. 1,511,378; Oct. 14.
 Strong, Wm. J. H. (See Armstrong, Lavanda M., assignor.)
 Stronghart Company. (See Kusel, Isidor J., assignor.)
 Stuart, Harve R., assignor to The Robbins and Myers Company, Springfield, Ohio. Electric motor. 1,511,538; Oct. 14.
 Sturtevant Mill Company. (See Doyle, William T., assignor.)
 Suarez, Murrell A., Birmingham, Ala. Container. 1,511,539; Oct. 14.
 Sullivan, Myrtle E., Fort Stockton, Tex. Ice-cream freezer. 1,511,641; Oct. 14.
 Sulzer, Jakob, Basel, assignor to the Society Elektrizitäts-werk Lanza, Gampel and Basel, Switzerland. Plastic composition. 1,511,784; Oct. 14.
 Sundstrand, Gustaf D., assignor to Rockford Milling Machine Company, Rockford, Ill. Milling machine. 1,511,243; Oct. 14.
 Superior Auto Jack Co. (See Cochran, Charles W., assignor.)
 Superior Auto Jack Co. (See Combs, J. W., and Cochran, assignors.)
 Sussman, Philip, New York, N. Y., assignor to Commercial Headwear Co., Inc. Hat. Des. 65,788; Oct. 14.
 Swars, Paul G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wire-retaining device. 1,511,379; Oct. 14.
 Synstallen, Bernhard J., Fonda, assignor of one-half to W. J. Posakony, Pocahontas, Iowa. Corn-carrying attachment for corn picking and husking machines. 1,511,244; Oct. 14.
 Talnton, Uryln C., Johannesburg, Transvaal, South Africa. Treating pulp to improve filtration. 1,511,785; Oct. 14.
 Tarbox, John P., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Combination land, air, and water craft. 1,511,689; Oct. 14.
 Taub, Ludwig, L. Schütz, and K. Meisenburg, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Hypnotic. 1,511,919; Oct. 14.
 Taylor, James H., Chicago, Ill. Welding tubing. 1,511,849; Oct. 14.
 Terriase, Henri, and M. Lévy, Geneva, Switzerland. Converting cellulose and cellulose-yielding matter into dextrine and glucose. 1,511,786; Oct. 14.
 Texas Company, The. (See Colligan, John C., assignor.)
 Texas Company, The. (See Holmes, Will K., assignor.)
 Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Tool feeding and traversing mechanism for machine tools. 1,511,642; Oct. 14.
 Thoenl, Andrew, assignor of one-half to M. A. Sando, Denver, Colo. Clothes clamp. 1,511,690; Oct. 14.
 Thomas, Franz, Barmen, Germany. Pulverizing horn. 1,511,987; Oct. 14.
 Thomas, Ivor D., Cleveland Heights, assignor to the Wellman-Seaver-Morgan Company, Cleveland, Ohio. Forging ingots, billets, and the like. 1,511,540; Oct. 14.
 Thompson, Andrew, Birmingham, Ala. Blower nozzle and exhaust spreader. 1,511,308; Oct. 14.
 Thompson, Herbert L., Elgin, Ill. Power wheel. 1,511,541; Oct. 14.
 Thompson, John A., Estelline, S. Dak. Chicken coop. 1,511,787; Oct. 14.
 Thomson, William S., Plantsville, Conn. Screw driver. 1,511,434; Oct. 14.
 Thrift, Homer C., Burkburnett, Tex. Machine for screwing together and unscrewing pipes and rods. 1,511,850; Oct. 14.
 Timken Roller Bearing Company, The. (See Hagenlocher Christian P., assignor.)
 Tobacco-By-Products and Chemical Corporation. (See McConnell, Henry K., assignor.)
 Tokheim Oil Tank and Pump Company. (See Brake, George U., assignor.)
 Tompkinson, Charles C., Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Concrete insert. 1,511,542; Oct. 14.
 Tornblom, Robert E., Brooklyn, N. Y. Cinerary receptacle. 1,511,585; Oct. 14.
 Towers, Reuben N., Rome, Ga. Reversing mechanism and safety stopping device for dyeing machinery. 1,511,988; Oct. 14.
 Trautzel Marble Company. (See Calkins, Seward H., assignor.)
 Traver, William A., assignor to Franklin Process Company, Providence, R. I. Dyeing apparatus. 1,511,380; Oct. 14.
 Treglins, Harold G., Cuba Township, Lake County, Ill. Window ventilator. 1,511,920; Oct. 14.
 Trent, Lamartine C., Washington, D. C. Hydraulic classifier. 1,511,643; Oct. 14.
 Triska, Joseph J., Chicago, Ill. Self-feeding buffing wheel. 1,511,245; Oct. 14.
 Truck Tractor and Manufacturing Company. (See Cramer, William, assignor.)
 Tyees, Minor E., New Orleans, La. Combined game and toy. 1,511,381; Oct. 14.

Ulrey, Dayton, and D. I. Mayne, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Fluid-circuit interrupter. 1,511,382; Oct. 14.
 Underfeed Stoker Company of America, The. (See Barry, John F., assignor.)
 Underfeed Stoker Company of America, The. (See Blackburn, A. H., and Armstrong, assignors.)
 Underwood Typewriter Company. (See Kurowaki, Alfred G. F., assignor.)
 Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
 United Alloy Steel Corporation. (See Lehman, Edward G., assignor.)
 United Cigarette Machine Co. (See Koerner, Ewald, assignor.)
 United Fig & Date Company, The. (See Arado, Frank J., assignor.)
 United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
 United States of America as represented by the Secretary of War. (See Edgar, Graham, assignor.)
 Valder, Arthur, London, England. Device for supporting garments. 1,511,851; Oct. 14.
 Valerius, Theodore L., Waukegan, assignor to Creamery Package Mfg. Company, Chicago, Ill. Ice-cream-packaging machine. 1,511,644; Oct. 14.
 Valk, William E., Jr., Hempstead, assignor, by mesne assignments, to Curtiss Aeroplane & Motor Company, Inc., Garden City, Long Island, N. Y. Airplane radiator. 1,511,691; Oct. 14.
 Vance, Eleanor P., Tryon, N. C. Toy. 1,511,921; Oct. 14.
 Van Damm, Gerrit, Buffalo, N. Y. Gas burner. 1,511,246; Oct. 14.
 Van Sicklen, Roy B., Detroit, Mich. Dirigible headlight. 1,511,247; Oct. 14.
 Vaughan, Jay W., Chicago, Ill. Meat-cutting band saw. 1,511,788; Oct. 14.
 Vaughn Camp. (See Davis, Lewis K., assignor.)
 Vernet, Sergius, New York, N. Y. Gear. 1,511,309; Oct. 14.
 Vickers Limited. (See Lucas, Owen D., assignor.)
 Vilm, Henry, Kansas City, Mo. Mill-stock purifier. 1,511,789; Oct. 14.
 Vitek, Charles, Maywood, Ill. Valve. 1,511,692; Oct. 14.
 Volght, George F., Oakland, Calif. Wall construction. 1,511,645; Oct. 14.
 Vulcan Detinning Company. (See Buttfeld, William J., assignor.)
 Wade, Harold R., and H. M. Frink, assignors to James H. Matthews & Company, Pittsburgh, Pa. Method of and apparatus for marking metal articles. 1,511,543; Oct. 14.
 Wade, Robert A., Jersey City, N. J. Detachable heel for shoes. 1,511,922; Oct. 14.
 Wagaman, Samuel M., Hagerstown, Md. Loose-leaf binder. 1,511,923; Oct. 14.
 Wagner, Charles F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-conductor device. 1,511,383; Oct. 14.
 Wagner, Henry A., assignor to The Willys-Overland Company, Toledo, Ohio. Cloth marking and folding machine. 1,511,485; Oct. 14.
 Warner, Walter, Chicago, Ill. Canafe. 1,511,852; Oct. 14.
 Wagner, Walter, Chicago, Ill. Vacuum-producing apparatus for metal canafes. 1,511,853; Oct. 14.
 Wagner, William F., Ambridge, Pa. Reversible valve. 1,511,544; Oct. 14.
 Wakefield, Albert F., assignor to The F. W. Wakefield Brass Company, Vermillion, Ohio. Lighting fixture. Des. 65,789; Oct. 14.
 Wakefield, F. W., Brass Company, The. (See Wakefield, Albert F., assignor.)
 Walker, Archie, Cedar Grove, La. Fender brace. 1,511,924; Oct. 14.
 Wallin, Arthur, Enderlin, N. Dak. Pitchfork cleaner. 1,511,545; Oct. 14.
 Walter, Harrison B., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Box. 1,511,790; Oct. 14.
 Waltermire, Andrew J., Batesville, Ark. Measuring device. 1,511,586; Oct. 14.
 Walton, Lawrence B., Kansas City, Mo. Mopping device. 1,511,248; Oct. 14.
 Warner Manufacturing Company. (See Cadman, Addi E., assignor.)
 Warner, Porter. (See Brower, Howard G., assignor.)
 Warr, Harold G., Park Ridge, assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,511,546; Oct. 14.
 Warren, Clarke E., Chicago, Ill. Knockdown shipping drum. 1,511,310; Oct. 14.
 Washington Iron Works. (See Berger, Knute, assignor.)
 Wasmuth, Augustus F., Huntington, Ind. assignor to Wasmuth-Endicott Company. Pocketed table. 1,511,925; Oct. 14.
 Wasmuth-Endicott Company. (See Wasmuth, Augustus F., assignor.)
 Wasson, Robert R., Cranford, N. J. Ring-curving machine. 1,511,547; Oct. 14.
 Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)

Waters, Millard F., assignor to Smith Separator Company, Tulsa, Okla. Combined flow tank, separator, and scrubber. 1,511,854; Oct. 14.
 Watt, John R., Louisville, Ky., assignor to Sellers Manufacturing Company, Chicago, Ill. Guard-rail tie plate. 1,511,548; Oct. 14.
 Weaver Company. (See Weaver, Victor M., assignor.)
 Weaver, Victor M., Thorold, Ontario, Canada, assignor to Weaver Company, Milwaukee, Wis. Making carbonyl halide. 1,511,646; Oct. 14.
 Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lighting device for sewing machines. 1,511,647; Oct. 14.
 Webb, William O., Ira, Tex. Agricultural implement. 1,511,384; Oct. 14.
 Webber, John D., Bayonne, N. J., assignor to International Paper Company. Machine for making tubular containers. 1,511,693; Oct. 14.
 Webster, Helena, Tacoma, Wash. Doll. Des. 65,790; Oct. 14.
 Weed, James M., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,511,694; Oct. 14.
 Weib, John, Avalon, Pa. Milk-bottle holder. 1,511,311; Oct. 14.
 Weinberg, William J., assignor of one-half to F. Parker, Chicago, Ill. Advertising device. 1,511,791; Oct. 14.
 Weltman, Hermann W., assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Variable-pressure hydraulic press. 1,511,695; Oct. 14.
 Wendt, Charles A., Milwaukee, Wis. Bowling alley. 1,511,696; Oct. 14.
 Wennerblad, Einar G., N. O. Nelson, and R. C. Johnson, San Francisco, Calif. Plate-etching machine. 1,511,648; Oct. 14.
 Wentz, Seymour H., East Orange, N. J. Double-plug connector for electrical circuits. 1,511,855; Oct. 14.
 Wentzell, Charles H., Greensburg, Pa. Tire pump. 1,511,649; Oct. 14.
 Weldy, Merrill H., Seattle, Wash. Signaling device. 1,511,792; Oct. 14.
 Wellman-Seaver-Morgan Company, The. (See Thomas, Ivor D., assignor.)
 Wells, Sidney D., Madison, Wis. Hydrometer. 1,511,549; Oct. 14.
 West Virginia Pulp and Paper Company. (See Drewsen, Viggo, assignor.)
 Westberg, Edward, and J. Strand, Los Angeles, Calif. Machine for recessing plaster lath board. 1,511,486; Oct. 14.
 Westbury, Laura A. (See Westbury, William, assignor.)
 Westbury, William, assignor to L. A. Westbury, Independence, Kans. Cleaner for glass pots. 1,511,550; Oct. 14.
 Westbury, William, assignor to L. A. Westbury, Independence, Kans. Reversible pot. 1,511,551; Oct. 14.
 Westly, Nikolay, St. Paul, Minn. Garage-door-operating device. 1,511,697; Oct. 14.
 Western Electric Company. (See Quarles, D. A., and Mohr, assignors.)
 Westerberg, Herman P., Simsbury, Conn. Safety pin. 1,511,926; Oct. 14.
 Westinghouse Electric & Manufacturing Company. (See Atherton, Alfred L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bastian, Arthur J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Binney, Eric A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Biddle, Clarence A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hall, A. J., and Mardis, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Harrison, William E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hartzell, Walter L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hoey, Samuel C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kries, Lawrence F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Miller, Frederick H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Shepard, Victor J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Simmon, Karl A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Swara, Paul G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Ulrey D., and Mayne, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Wagner, Charles E., assignor.)
 White, Ezekiel F., Chicago, Ill. Metering and feeding device. 1,511,698; Oct. 14.
 White, William S., Denver, Colo. Flushing valve. 1,511,927; Oct. 14.
 White, Z. Robert, et al. (See Bentley, William G., assignor.)

Whitney Mfg. Co., The. (See Belcher, Warren J., assignor.)
 Whitridge, John C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car coupling. 1,511,552; Oct. 14.
 Wigton, George H., Eureka, and S. M. Seddon, Salt Lake City, Utah. Volatilization of metals. Re15,931; Oct. 14.
 Wilber, William R., Thermopolis, Wyo. Underreamer. 1,511,385; Oct. 14.
 Wilcox, Charles E., Anaheim, assignor to E. C. Wilson, Los Angeles, Calif. Lock for well-casing elevators. 1,511,699; Oct. 14.
 Wildberger, Katie, Menno, S. Dak. Receptacle actuator. 1,511,386; Oct. 14.
 Wilkinson, George D., and A. F. Harter, Oak Park, assignors to Cribben & Sexton Company, Chicago, Ill. Oven door. 1,511,700; Oct. 14.
 Williams, Charles M., Los Angeles, Calif. Geographical globe. 1,511,487; Oct. 14.
 Williams, George W., Elm City, N. C. Railway-tie shifter. 1,511,387; Oct. 14.
 Wilson, Thomas H., Seattle, Wash. Heating unit for radiators. 1,511,553; Oct. 14.
 Willys-Overland Company, The. (See Belden, Edward H., assignor.)
 Willys-Overland Company, The. (See Harrington, William F., assignor.)
 Willys-Overland Company, The. (See Holmes E., and Lightner, assignors.)
 Willys-Morrow Company, The. (See Knowles, Harford C., assignor.)
 Willys-Overland Company, The. (See Koelker, Oscar H., assignor.)
 Willys-Overland Company, The. (See Wagner, Henry A., assignor.)
 Wilson, E. C. (See Wilcox, Charles E., assignor.)
 Wilson, Harley F., and W. A. Hadfield, assignors to General Laboratories, Madison, Wis. Sterilizing bee foods, etc. 1,511,856; Oct. 14.
 Wilson, Harley F., and W. A. Hadfield, assignors to General Laboratories, Madison, Wis. Sterilizing beehives and the like. 1,511,857; Oct. 14.
 Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
 Wine, William E., Toledo, Ohio. Car hopper and locking means therefor. 1,511,858; Oct. 14.
 Wine, William E., Toledo, Ohio. Car-door-locking device. 1,511,859; Oct. 14.
 Winer, John K., Chicago, Ill. Needle for phonographs and similar machines. 1,511,860; Oct. 14.
 Winslow Boiler & Engineering Company. (See Halvorsen, Ole G., assignor.)
 Wölke, Hermann. (See Mugler, J., and Wölke.)
 Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lighting fixture. Des. 65,791; Oct. 14.
 Wolverine Trailer Equipment Company. (See De Mattia, Constant, assignor.)
 Wood, George, Westmount, Quebec, Canada. Dishwashing appliance. 1,511,249; Oct. 14.
 Woodring, Alberto I., assignor to National Safety Devices Company, Waterloo, Iowa. Operating valve. 1,511,554; Oct. 14.
 Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
 Woolley, Erving Y., trustee. (See Cunniff, Edward A., assignor.)
 Workman, Ellison A. (See Robinson, Edward A., assignor.)
 Worms, Sidney, New Rochelle, assignor to Franklin Knitting Mills, New York, N. Y. Apparel and making the same. 1,511,793; Oct. 14.
 Wright, George, Oakland, Calif. Lifeboat-launching gear. 1,511,251; Oct. 14.
 Wright, George T., St. Louis, Mo., assignor of one-half to L. P. Reiss, Mattson, Ill. Bearing. 1,511,861; Oct. 14.
 Wright, Owen E., Huron, S. Dak. Exterior crank-case oil heater. 1,511,250; Oct. 14.
 Wright, Parvin, Chicago, Ill. Machine for collecting and weighing the wires. 1,511,794; Oct. 14.
 Wright, William D., Concord, Mass. Vanity case. 1,512,005; Oct. 14.
 Wubbolding, Leo F. (See Freyberg, J., and Wubbolding.)
 Yale and Hopewell Company. (See Yale, Rodney H., assignor.)
 Yale, Rodney H., assignor to Yale and Hopewell Company, Lincoln, Nebr. Lubricating wrist pin and the like. 1,511,862; Oct. 14.
 Yates, Henry P., New Orleans, La. Vessel. 1,511,435; Oct. 14.
 Yngve, Victor, South Orange, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Tool. 1,511,555; Oct. 14.
 Youngstown Roller & Tank Company, The. (See McGaffie, Walter C., assignor.)
 Zabalan, Richard G., Montreal, Quebec, Canada. Direction signal for automobiles. 1,511,252; Oct. 14.
 Zboril, Václav, Bystritz, Czechoslovakia. Striding-motion driving gear for motor vehicles. 1,511,928; Oct. 14.
 Zielenki, Michael, Pittsburgh, Pa. Shaft coupling. 1,511,863; Oct. 14.
 Zschornner, Henry G., Frankenmuth, Mich. Cooling system for combustion engines. 1,511,388; Oct. 14.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid, Manufacture of phosphoric. H. E. Alcock. 1,511,929; Oct. 14.
Acid sludge, Treatment of. W. N. Davis and G. A. Davidson. 1,511,721; Oct. 14.
Account records, File leaf for. O. Juvet. 1,511,518; Oct. 14.
Adjustable gauge. J. Bath. 1,511,934; Oct. 14.
Advertising device. H. K. Hennigh. 1,511,905; Oct. 14.
Advertising device. P. Reynolds. 1,511,521; Oct. 14.
Advertising device. W. J. Weinberg. 1,511,791; Oct. 14.
Aeroplane, Advertising. J. G. Batt. 1,511,795; Oct. 14.
Agricultural implement. W. O. Webb. 1,511,384; Oct. 14.
Air-conditioning apparatus. K. G. Runback. 1,511,911; Oct. 14.
Aircraft, Apparatus for supplying air to occupants of. L. M. Armstrong. 1,511,489; Oct. 14.
Aircraft, Armored. A. H. G. Fokker. 1,511,513; Oct. 14.
Aircraft, Cooling system for the power plants of. W. L. Gilmore. 1,511,667; Oct. 14.
Aircraft, Electrically-propelled. A. L. Drum. 1,511,448; Oct. 14.
Aircraft, Ignition system for dunes, bombs, and the like adapted to be dropped from. O. D. Lucas. 1,511,622; Oct. 14.
Airplane radiator. W. E. Valk, jr. 1,511,691; Oct. 14.
Air washer. N. C. Marien. 1,511,834; Oct. 14.
Alarm: See—
Gas-flow alarm.
Amalgamator, Centrifugal. H. N. and G. E. Banks. 1,511,389; Oct. 14.
Amusement device. J. C. Downie. 1,511,272; Oct. 14.
Animal trap. A. C. Jones and J. O'Neill. 1,511,614; Oct. 14.
Annealing cover. W. Shaw. 1,511,681; Oct. 14.
Antidraft. E. R. Angell. 1,511,701; Oct. 14.
Anti-inductive system. H. S. Osborne. 1,511,360; Oct. 14.
Apparel and making the same. S. Worms. 1,511,793; Oct. 14.
Arch construction, Yielding. E. P. Stevens. 1,512,004; Oct. 14.
Article-handling mechanism. C. C. Blake. 1,511,258; Oct. 14.
Ash receptacle and match-safe holder. H. E. Floercky. 1,511,217; Oct. 14.
Ash tray. F. L. Hale. Des. 65,777; Oct. 14.
Atomizing elongated bodies such as wires and bands Apparatus for. N. Meurer. 1,511,977; Oct. 14.
Auger, Earth. J. B. Spowart. 1,511,433; Oct. 14.
Auto rims, Fastening means for demountable. W. L. Du Lany. 1,511,511; Oct. 14.
Automatic regulator. E. Roucka. 1,511,425; Oct. 14.
Automobile accessory. A. C. Hoggan. 1,511,337; Oct. 14.
Automobile creeper. J. M. Bush. 1,511,943; Oct. 14.
Automobile direction signal. R. G. Zahalan. 1,511,252; Oct. 14.
Automobile door latch. W. H. Douglas. 1,511,216; Oct. 14.
Automobile locking device. E. Michaud. 1,511,351; Oct. 14.
Automobile signal. P. I. Kissich. 1,511,283; Oct. 14.
Automobile, signal-light casing. F. Garrison. Des. 65,775; Oct. 14.
Automobile testing apparatus. E. H. Belden. 1,511,496; Oct. 14.
Automobile tilting device. J. H. Nesbitt. 1,511,358; Oct. 14.
Automobile wheel-aligning device. W. E. Burgin. 1,511,942; Oct. 14.
Automobiles, Liquid transmission for. H. T. Haskins. 1,511,333; Oct. 14.
Automobiles, Signal device for. J. Bamberger. 1,511,751; Oct. 14.
Awning fixture. W. Steinbreder. 1,511,377; Oct. 14.
Badge or similar article. J. A. Meyers. Des. 65,785; Oct. 14.
Bag-frame bracket. A. J. Petrie. 1,511,907; Oct. 14.
Bag machines, Thread clipper for. M. R. Kendall. 1,511,616; Oct. 14.
Band brake. L. Meng. 1,511,627; Oct. 14.
Band cutter. G. M. Le Rud. 1,511,735; Oct. 14.
Bank, Coin. I. J. Kusel. 1,511,482-3; Oct. 14.
Baseball-pitcher's practice target. A. O. Schonberg. 1,511,430; Oct. 14.
Battery: See—
Portable secondary battery. Storage battery.
Battery-charging apparatus, Automatic. J. J. and J. H. Ritter. 1,511,581; Oct. 14.
Bearing. G. T. Wright. 1,511,861; Oct. 14.
Bearing, Antifriction. L. Langhaar. 1,511,286; Oct. 14.
Bearing, Double-row antifriction. H. C. Knowles. 1,511,480; Oct. 14.
Bearing, Roller. C. P. Hagenlocher. 1,512,006; Oct. 14.
Bearing, Roller or ball. J. F. Oldham. 1,511,905; Oct. 14.
Bearings, Ball cage or retainer for ball. R. F. Runge. 1,511,634; Oct. 14.
Bedspring. R. B. Hosner. 1,511,559; Oct. 14.
Bedsteads, Corner-post fastener for. K. G. Hadjileff. 1,511,882; Oct. 14.
Beds, Elevating attachment for hospital. F. N. Jepson. 1,511,477; Oct. 14.
Bee foods, etc., Sterilizing. H. F. Wilson and W. A. Hadfield. 1,511,856; Oct. 14.
Bees and the like, Sterilizing. H. F. Wilson and W. A. Hadfield. 1,511,857; Oct. 14.
Belt, Driving. R. F. Champney and F. R. Mitchell. 1,511,396; Oct. 14.
Belt-fastening device. W. Cramer. 1,511,710; Oct. 14.
Belt-hook-making device. W. F. Morrison. 1,511,355; Oct. 14.
Belting. L. B. Chisholm. 1,511,753; Oct. 14.
Binder, Loose-leaf. S. M. Wagaman. 1,511,923; Oct. 14.
Blank-machine wire cutter, Box. E. Craig. 1,511,319; Oct. 14.
Blanket or similar article. F. A. Andrews. Des. 65,765; Oct. 14.
Blankets or fabrics, Machine for treating. E. McCreary. 1,511,896; Oct. 14.
Block. F. B. Mallory. 1,511,419; Oct. 14.
Block and elevator connector. L. E. Nebergall. 1,511,837; Oct. 14.
Board: See—
Instrument board. Plaster board.
Boat, Fishing. C. W. Huckins. 1,511,670; Oct. 14.
Boat with steam as driving power, Submarine. J. Mugler and H. Wolke. 1,511,902; Oct. 14.
Boiler mounting. J. W. Putnam. 1,511,840; Oct. 14.
Boilers, Safety device for. J. J. Muhlebach. 1,511,978; Oct. 14.
Bone lace and making the same, Single-thread. E. Bösbeck. 1,511,703; Oct. 14.
Book signatures, Marking. R. C. Baker. 1,511,438; Oct. 14.
Boring machine, Horizontal earth. T. J. Freda. 1,511,957; Oct. 14.
Bottle. G. Caltis. Des. 65,772; Oct. 14.
Bottle-cap remover and receiver, Combined. E. Rolsky. 1,511,522; Oct. 14.
Bottle case. E. W. Hamann. 1,511,606; Oct. 14.
Bottle-closure-applying device. S. L. Goldman. 1,511,724; Oct. 14.
Bottle holder, Milk. J. Weible. 1,511,311; Oct. 14.
Bowling alley. C. A. Wendt. 1,511,690; Oct. 14.
Box: See—
Display box. Vanity box.
Tote box.
Box. L. Goodman. 1,511,328; Oct. 14.
Box. S. Kesler. 1,511,282; Oct. 14.
Box. H. B. Walter. 1,511,790; Oct. 14.
Brace: See—
Fender brace.
Bracelet. L. Noel. Des. 65,787; Oct. 14.
Bracket: See—
Bag-frame bracket. Purlin-supporting bracket.
Bracket. A. Semm. 1,511,372; Oct. 14.
Brake: See—
Band brake. Vehicle brake.
Headstock brake.
Brake-beam support. B. Haskell. 1,511,811; Oct. 14.
Brakes, Compensating mechanism for vehicle. F. T. Burgess. 1,511,394; Oct. 14.
Brickmason's tool. J. M. Garner and C. C. Clark. 1,511,807; Oct. 14.
Brush. G. S. Lelner and C. A. Bernstein. 1,511,620; Oct. 14.
Brush apparatus, Perforation-cleaning, reciprocating. T. Koch and K. K. Ledig. 1,511,618; Oct. 14.
Buckle. A. B. Faulkner. 1,511,665; Oct. 14.
Buckle, Belt. W. M. Myers. 1,511,903; Oct. 14.
Buckle, chime closet and desk, Combination. F. W. Bocksteger. Des. 65,769; Oct. 14.
Buffing wheel, Self-feeding. J. J. Triska. 1,511,245; Oct. 14.

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ALPHABETICAL LIST OF INVENTIONS.

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Burner: See—
Fuel-oil burner. Oil burner.
Gas burner.
Burner. O. G. Halvorsen. 1,511,330; Oct. 14.
Bushings, Machine for filling lubricating. L. Bartlett. 1,511,210; Oct. 14.
Button, Separable. R. Clarkson. 1,511,445; Oct. 14.
Cable clip. E. O. Keator. 1,511,972; Oct. 14.
Cage structure. B. Markow. 1,511,815; Oct. 14.
Calculating or computing machine. J. W. Chase. 1,511,945; Oct. 14.
Calendar. R. C. Lape. 1,511,568; Oct. 14.
Cam pin, Brake. W. W. Diller. 1,511,951; Oct. 14.
Can: See—
Rubbish can.
Can-capping machine. J. G. Hewitt. 1,511,906; Oct. 14.
Can-cleaning machine. W. H. Froggatt. 1,511,602; Oct. 14.
Can-making machine. L. I. Dennison. 1,511,321; Oct. 14.
Candle-dipping machine. R. E. Humphreys. 1,511,729; Oct. 14.
Car, Ballast. J. H. Richards. 1,511,424; Oct. 14.
Car coupling. J. C. Whitridge. 1,511,552; Oct. 14.
Car-door-locking device. W. E. Wine. 1,511,859; Oct. 14.
Car door, Secured. E. F. Miles and E. V. Larkin. 1,511,231; Oct. 4.
Car, Dump. W. F. Kiesel, jr. 1,511,973; Oct. 14.
Car hopper and locking means therefor. W. E. Wine. 1,511,858; Oct. 14.
Car, Railway. H. W. Sanford. 1,511,371; Oct. 14.
Car stake. T. W. McAnley. 1,511,413; Oct. 14.
Cars and other vehicles, Advertising device for. F. F. Lewis. 1,511,814; Oct. 14.
Cars, Dome cover for tank. W. K. Holmes. 1,511,610; Oct. 14.
Cars, Friction chock for. L. B. Ingram. 1,511,813; Oct. 14.
Carafe. W. Wagner. 1,511,852; Oct. 14.
Carafes, Vacuum-producing apparatus for metal. W. Wagner. 1,511,853; Oct. 14.
Carbonating apparatus. J. A. Boppre. 1,511,498; Oct. 14.
Carbonyl halide, Making. V. M. Weaver. 1,511,046; Oct. 14.
Carburetors and other apparatus used on vehicles, Control device for. C. Brown. 1,511,261; Oct. 14.
Carpenter machine, Combination. L. F. Ruzicki. 1,511,635; Oct. 14.
Carrier. J. J. Putnam. 1,511,299; Oct. 14.
Carton, Cellular. L. Schwartzberg. 1,511,678; Oct. 14.
Carton, Egg. P. Berkey. 1,511,441; Oct. 14.
Carton filler. W. W. Chamberlain. 1,511,944; Oct. 14.
Case: See—
Bottle case. Thermometer case.
Case. G. B. Schroyer. 1,511,304; Oct. 14.
Casting appliance. J. B. Ladd. 1,511,224; Oct. 14.
Casting box for narrow plates. A. H. Cruse. 1,511,592; Oct. 14.
Catalyst and making the same. W. H. Rees. 1,511,520; Oct. 14.
Cellulose and cellulose-yielding matter into dextrine and glucose, Converting. H. Terrisse and M. Lévy. 1,511,786; Oct. 14.
Cement and by-products, Making. E. C. Eckel. 1,511,323; Oct. 14.
Chain and making the same, Drive. W. J. Belcher. 1,511,822; Oct. 14.
Chandler. M. Klein. Des. 65,779; Oct. 14.
Chandler. M. Klein. Des. 65,782; Oct. 14.
Cheat. L. E. Collins. 1,511,719; Oct. 14.
Chicken coop. J. A. Thompson. 1,511,787; Oct. 14.
Chili sauce, Machine for making. J. F. Lindley. 1,511,287; Oct. 14.
Chin support. B. B. Jones and E. O. Fields. 1,511,671; Oct. 14.
Cigarette holder. B. and R. Beckwith. Des. 65,767; Oct. 14.
Cigarette-rod machines, Cutter for. E. Koerner. 1,511,284; Oct. 14.
Cinerary receptacle. R. E. Tornblom. 1,511,585; Oct. 14.
Circuit controller. F. A. Cantwell. 1,511,502; Oct. 14.
Circuit protective device. F. J. Metzger and J. T. Orr. 1,511,744; Oct. 14.
Clamp: See—
Clothes clamp.
Cleaner: See—
Pitchfork cleaner. Sewer cleaner.
Clip: See—
Cable clip.
Clock structure. P. S. Luttrell and P. C. Roske. 1,511,894; Oct. 14.
Clocks, Alarm setting and actuating mechanism for. P. S. Luttrell and P. C. Roske. 1,511,895; Oct. 14.
Cloth marking and folding machine. H. A. Wagner. 1,511,485; Oct. 14.
Clothes clamp. A. Thoen. 1,511,690; Oct. 14.
Clothespin. C. A. McKune. 1,511,897; Oct. 14.
Clutch, Friction. J. H. Roberts. 1,511,776; Oct. 14.
Clutch-mechanism lock. G. U. Brake. 1,511,651; Oct. 14.
Clutch reverser, Disk. D. C. Klausmeyer. 1,512,007; Oct. 14.
Clutch-ring-synchronizing device. H. J. Murray. 1,511,232; Oct. 14.
Coconut-shredding machine. H. G. Coder. 1,511,947; Oct. 14.
Combination heater. J. A. Powell. 1,511,749; Oct. 14.
Commutator cylinder. A. J. Bastian. 1,511,316; Oct. 14.
Commutators, Manufacturing. A. Frohne. 1,511,277; Oct. 14.
Compressor. C. C. Spreen. 1,511,376; Oct. 14.
Compressor, Rotary. E. Hill. 1,511,468; Oct. 14.
Concrete construction, Bar spacer for. J. F. Havemeyer. 1,511,384; Oct. 14.
Concrete forms, Wire-twisting tool for. H. B. Shrecken-gast. 1,511,237; Oct. 14.
Concrete insert. C. C. Tompkinson. 1,511,542; Oct. 14.
Concrete refuse container. W. Joern. 1,511,613; Oct. 14.
Concrete structures, Apparatus for building. G. Strom. 1,511,537; Oct. 14.
Conduit, Underground. J. W. Orrock. 1,511,769; Oct. 14.
Confection. W. Gargay. 1,511,878; Oct. 14.
Confectionery machines, Delivery apparatus for. A. L. Bausman. 1,511,256; Oct. 14.
Construction material. K. B. Howell and C. R. Eckert. 1,511,475; Oct. 14.
Container. M. A. Suarez. 1,511,539; Oct. 14.
Container, Compact. A. G. Saart. 1,511,525; Oct. 14.
Control apparatus. A. J. Hall and P. L. Mardis. 1,511,329; Oct. 14.
Control apparatus. K. A. Simmon. 1,511,374; Oct. 14.
Control device, Automatically-actuating. B. Skidmore, jr. 1,511,432; Oct. 14.
Control mechanism. E. H. Belden. 1,511,495; Oct. 14.
Control system. H. D. James. 1,511,341; Oct. 14.
Control system. H. D. James. 1,511,343-4; Oct. 14.
Conveyer. J. F. Joy. 1,511,221; Oct. 14.
Cooler: See—
Milk cooler.
Corn picking and husking machines, Corn-carrying attachment for. B. J. Synstetten. 1,511,244; Oct. 14.
Coupling: See—
Car coupling. Shaft coupling.
Flexible coupling.
Crossing gate. S. Gill. 1,511,327; Oct. 14.
Crowning machine. V. J. Mohler. 1,511,745; Oct. 14.
Crusher: See—
Ice-rut crusher.
Cryolite, Making artificial. H. Howard. 1,511,561; Oct. 14.
Cultivator and boll-weevil exterminator, Combined. J. M. Pope. 1,511,979; Oct. 14.
Cultivator, Self-guiding and riding. A. L. Stewart. 1,511,242; Oct. 14.
Cultivators, Fender attachment for. R. R. Atchley. 1,511,932; Oct. 14.
Cups, Device for removing. H. Riedesel. 1,511,773; Oct. 14.
Curling iron. A. J. Iarm. 1,511,410; Oct. 14.
Curtain fixture. P. G. Emery. 1,511,324; Oct. 14.
Curtain frame. E. B. Dunbar. 1,511,805; Oct. 14.
Cut-out box and meter adapter. A. B. Rypinski. 1,511,636; Oct. 14.
Cutter: See—
Band cutter. Potato cutter.
Blank-machine wire cutter.
Cylinder gauge. J. J. McGuckin. 1,511,624; Oct. 14.
Cylinder, Jacquard. J. H. Prunell. 1,511,770; Oct. 14.
Cylinder-lapping tool. E. S. Karstens. 1,511,564; Oct. 14.
Cylinders or the like, Locking mechanism for. A. E. Drissner. 1,511,804; Oct. 14.
Cylinders or the like, Positive locking mechanism for. A. E. Drissner. 1,511,447; Oct. 14.
Degasifying apparatus. R. N. Ehrhart. 1,511,876; Oct. 14.
Demountable rim. J. J. Baroni and F. Erbetta. 1,511,713; Oct. 14.
Dental apparatus. O. H. Pieper. 1,511,422; Oct. 14.
Dental wax and compound annealer. H. A. Bonoff. 1,511,443; Oct. 14.
Denture attachment. I. Stern. 1,511,638-9; Oct. 14.
Differential lock. J. I. Pickering. 1,511,908; Oct. 14.
Dishwasher. W. G. Burns. 1,511,825; Oct. 14.
Dishwasher. H. E. Dantzbecher. 1,511,661; Oct. 14.
Dishwashing appliance. G. Wood. 1,511,249; Oct. 14.
Display box. J. Rifkin. 1,511,774; Oct. 14.
Doll. H. Webster. Des. 65,790; Oct. 14.
Doorbell signal indicator. G. C. Cyr. 1,511,660; Oct. 14.
Door, Grate. E. Poason. 1,511,839; Oct. 14.
Door holder. W. Roberts. 1,511,368; Oct. 14.
Doorlock. H. W. Dyer. 1,511,322; Oct. 14.
Door mechanism. W. A. Rankin. 1,511,841; Oct. 14.
Door-operating device, Garage. N. Westby. 1,511,697; Oct. 14.
Doorstop. A. E. Moberg. 1,511,295; Oct. 14.
Draft tube. H. E. Popp. 1,511,364; Oct. 14.
Draining device. J. Dwyer. 1,511,953; Oct. 14.
Drawing table. P. Marino. 1,511,626; Oct. 14.
Dress. T. Davis. Des. 65,773; Oct. 14.
Drill. A. L. Hawkesworth. 1,511,466; Oct. 14.
Drill and underreamer. J. C. Stokes. 1,511,640; Oct. 14.
Drill and valve grinder, Combined hand. A. Dom. 1,511,663; Oct. 14.

Drill presses, Work-feeding mechanism for. J. H. McEvoy. 1,511,415; Oct. 14.
 Drive wheel, Track-laying tread. R. R. Miller. 1,511,573; Oct. 14.
 Driven fastening means. R. K. Atwell. 1,511,711; Oct. 14.
 Drum, Knockdown shipping. C. E. Warren. 1,511,310; Oct. 14.
 Dry cells, Increasing the life of. H. de Olaneta. 1,511,271; Oct. 14.
 Dyeing apparatus. W. A. Traver. 1,511,380; Oct. 14.
 Dyeing machinery, Reversing mechanism and safety stopping device for. R. N. Towers. 1,511,988; Oct. 14.
 Dyeing wool with dyestuffs capable of being chromed. P. Onnertz and A. Peters. 1,511,359; Oct. 14.
 Dynamo-electric machine. E. Harrison. 1,511,608; Oct. 14.
 Electric arcs, Magnetic damper for. W. E. Harrison. 1,511,332; Oct. 14.
 Electric-current transmission. D. A. Quarles and F. Mohr. 1,511,423; Oct. 14.
 Electric cut-out. M. J. Sandin. 1,511,369; Oct. 14.
 Electric fixtures, Canopy for. R. H. Savory. 1,511,914; Oct. 14.
 Electric motor. H. R. Stuart. 1,511,538; Oct. 14.
 Electric sockets, Lever switch for. R. B. Benjamin. 1,511,440; Oct. 14.
 Electrical apparatus. L. F. Blume and J. S. Lennox. 1,511,717; Oct. 14.
 Electrical apparatus. J. M. Weed. 1,511,694; Oct. 14.
 Electrical circuits, Double-plug connector for. S. H. Wentz. 1,511,855; Oct. 14.
 Electrical condenser. E. A. Bayles and H. Higham. 1,511,935; Oct. 14.
 Electrical testing system. S. I. Cory. 1,511,755-6; Oct. 14.
 Electrical testing system. H. Nyquist. 1,511,629; Oct. 14.
 Elevator: See—
 Oil elevator.
 Elevators, Lock for well-casing. C. E. Wilcox. 1,511,699; Oct. 14.
 Engine: See—
 Internal-combustion engine.
 Engine starter. W. L. McGrath. 1,511,416; Oct. 14.
 Engine-starting apparatus. J. Björ. 1,511,823; Oct. 14.
 Engines, Adjusting tappets on internal-combustion. L. F. Saunders. 1,511,913; Oct. 14.
 Engines, Attachment for internal-combustion. I. McDowell. 1,511,739; Oct. 14.
 Engines, Cooling system for combustion. H. G. Zschoerger. 1,511,388; Oct. 14.
 Engines, Flywheel dynamo-electric machine for internal-combustion. R. L. Aspdon. 1,511,491-2; Oct. 14.
 Engines, Fuel economizer and decarbonizer for internal-combustion. J. E. Hitch. 1,511,887; Oct. 14.
 Envelope. H. D. Coleman. 1,511,948; Oct. 14.
 Envelope and blank for making the same, Safety. M. L. Hinchman. 1,511,886; Oct. 14.
 Evaporating apparatus. F. N. Halary. 1,511,961; Oct. 14.
 Excavating machinery. S. R. W. M. Bager and O. F. Kaeser. 1,511,437; Oct. 14.
 Extractors, Balancing device for. G. N. Link. 1,511,621; Oct. 14.
 Fabric, Printed. L. Bluhm. Des. 65,768; Oct. 14.
 Fabrics containing artificial silk, Manufacture of. W. Marshall. 1,511,741; Oct. 14.
 Fan, Multiple. N. H. Henderson. 1,511,517; Oct. 14.
 Fasteners, Opening and closing device for separable. L. Locke. 1,511,777; Oct. 14.
 Fastening construction. R. S. Riley. 1,511,981; Oct. 14.
 Feeding mechanism. L. K. Davis. 1,511,401; Oct. 14.
 Fender brace. A. Walker. 1,511,924; Oct. 14.
 Ferrochromium, Making. K. Müller. 1,511,628; Oct. 14.
 Film holder. A. H. Barnes. 1,511,933; Oct. 14.
 Filter. W. A. Heinze. 1,511,726; Oct. 14.
 Finger ring or article of similar nature. B. Gross. Des. 65,776; Oct. 14.
 Firearm. L. N. Diehm. 1,511,509-10; Oct. 14.
 Firearm, Automatic. J. M. Browning. 1,511,262; Oct. 14.
 Fire hose, Support and carrier for. M. M. McGeary and A. J. Diefenbach. 1,512,003; Oct. 14.
 Flexible coupling. H. Birkholz, sr. 1,511,702; Oct. 14.
 Fluid circuit interrupter. D. Ulrey and D. I. Mayne. 1,511,382; Oct. 14.
 Fluid-tight joint. R. McMullan. 1,511,417; Oct. 14.
 Flytrap. F. F. Skelly. 1,511,682; Oct. 14.
 Food holding and serving device. F. H. Chilson. 1,511,265; Oct. 14.
 Forging ingots, billets, and the like. I. D. Thomas. 1,511,540; Oct. 14.
 Fork crown. A. D. Melsbach. 1,511,350; Oct. 14.
 Frame: See—
 Motor-cycle frame.
 Fuel atomizer and vaporizer. F. Rochefort. 1,511,820; Oct. 14.
 Fuel economizer. C. H. Cornwell. 1,511,266; Oct. 14.
 Fuel-feeding mechanism. H. F. Smith. 1,511,782; Oct. 14.
 Fuel-oil burner. W. M. Hoffman. 1,511,469; Oct. 14.
 Furniture joint. F. W. Draper. 1,511,273; Oct. 14.
 Furring and fastening device. O. T. Crowe. 1,511,658; Oct. 14.
 Fuse, Electric. E. L. Ogle. 1,511,838; Oct. 14.
 Game. O. Becklin. 1,511,936; Oct. 14.
 Game and toy, Combined. M. E. Tynes. 1,511,381; Oct. 14.
 Game counter. F. W. Henshaw. 1,511,335; Oct. 14.
 Game rack. C. H. Kimmel. 1,511,731; Oct. 14.
 Garage jack, High-speed. R. E. Manley. 1,511,625; Oct. 14.
 Garment attachment, Key-carrying. E. Schreiber. 1,511,303; Oct. 14.
 Garment support. T. I. Ludwig. 1,511,766; Oct. 14.
 Garment supporter. C. J. Hazelton. 1,511,994-6; Oct. 14.
 Garments, Device for supporting. A. Valder. 1,511,851; Oct. 14.
 Gas burner. G. Van Daam. 1,511,246; Oct. 14.
 Gas-distributing apparatus. G. O. Carter. 1,511,752; Oct. 14.
 Gas economizer. W. E. Barnum. 1,511,493; Oct. 14.
 Gas-flow alarm. H. Cappellanti. 1,511,653; Oct. 14.
 Gate: See—
 Crossing gate. Toy railway-crossing gate.
 Porch gate.
 Gate. C. F. Pevoto. 1,511,578; Oct. 14.
 Gauge: See—
 Adjustable gauge. Tire gauge.
 Cylinder gauge.
 Gauging apparatus. H. Rosenberg. 1,511,236; Oct. 14.
 Gear. S. Vernet. 1,511,309; Oct. 14.
 Gear-tooth rounder. P. S. Arnold. 1,511,213; Oct. 14.
 Gears, Resilient center for flexible. V. J. Shepard. 1,511,373; Oct. 14.
 Glare eliminator. W. H. Spencer. 1,511,684; Oct. 14.
 Glare shield. W. D. Lyon. 1,511,412; Oct. 14.
 Glass-blowing machine, Multiple. A. Kann. 1,511,889; Oct. 14.
 Glass caster. C. G. Overmyer. 1,511,906; Oct. 14.
 Glass decanter. R. V. Bromley. Des. 65,771; Oct. 14.
 Glass-polishing machine and holding chuck. C. W. Dake. 1,511,828; Oct. 14.
 Glass pots, Cleaner for. W. Westbury. 1,511,550; Oct. 14.
 Globe, Geographical. C. M. Williams. 1,511,487; Oct. 14.
 Goggles, Automobile. E. Nairne. 1,511,357; Oct. 14.
 Golf club. E. A. Kelly and R. A. Link. 1,511,479; Oct. 14.
 Grease retainer, Transmission. O. H. Koelker. 1,511,481; Oct. 14.
 Groat-cutting machine. L. E. Smith. 1,511,846; Oct. 14.
 Guard-rail tie plate. J. R. Watt. 1,511,548; Oct. 14.
 Gun connection, Grease. H. W. Sanford. 1,511,370; Oct. 14.
 Gyromotors, Cooling means for. E. A. and E. G. Sperry. 1,511,240; Oct. 14.
 Hair crimper. H. M. Andaloro. 1,511,930; Oct. 14.
 Hair curler. M. D. Meserole. 1,511,743; Oct. 14.
 Hairdresser's cape. G. S. Lord. 1,511,737; Oct. 14.
 Hammer, Electric. G. L. Kollock. 1,511,566; Oct. 14.
 Hammock. B. B. Englander. 1,511,806; Oct. 14.
 Hanger: See—
 Hat hanger.
 Hat. P. Susman. Des. 65,788; Oct. 14.
 Hat hanger. J. W. Altmyer. 1,511,864; Oct. 14.
 Hat protector. V. L. Arnet. 1,511,313; Oct. 14.
 Hay loader. G. A. Pennoyer. 1,511,297; Oct. 14.
 Headlight attachment. E. O. Seltz. 1,511,526; Oct. 14.
 Headlight, Dirigible. R. B. Van Sicken. 1,511,247; Oct. 14.
 Headlight for automobiles. H. B. Donley. 1,511,758; Oct. 14.
 Headstock brake. W. E. Ingham. 1,511,612; Oct. 14.
 Heater: See—
 Combination heater. Oil heater.
 Heat-exchange apparatus. K. Muhleisen. 1,511,836; Oct. 14.
 Heating device. R. Sardeson and J. Corser. 1,511,779; Oct. 14.
 Heel for shoes, Detachable. R. A. Wade. 1,511,922; Oct. 14.
 Holst, Portable. F. A. Hopper. 1,511,968; Oct. 14.
 Honeycomb sterilizer. J. C. Hutzelman. 1,511,762; Oct. 14.
 Honing and sharpening device, Blade. F. P. Gallipoli. 1,511,958; Oct. 14.
 Horn, Motor. W. Kaishling. 1,511,345-8; Oct. 14.
 Hose supporter. C. J. Hazelton. 1,511,991-3; Oct. 14.
 Hosiery, Process and mechanism for topping. W. L. Houseman. 1,511,473; Oct. 14.
 Hydraulic classifier. L. C. Trent. 1,511,643; Oct. 14.
 Hydraulic press, Variable-pressure. G. W. Weitman. 1,511,695; Oct. 14.
 Hydrogen by partial liquefaction of gaseous mixtures, Manufacture of. G. Claude. 1,511,800; Oct. 14.
 Hydrogen peroxide, Making or concentrating. G. Baum. 1,511,494; Oct. 14.
 Hydrometer. S. D. Wells. 1,511,549; Oct. 14.
 Hypnotic. L. Taub, L. Schütz, and K. Meisenburg. 1,511,919; Oct. 14.
 Ice applicator. E. F. Rioux and R. L. Colter. 1,511,775; Oct. 14.
 Ice-cream dispenser. T. W. Sherk. 1,511,915; Oct. 14.
 Ice-cream freezer. M. E. Sullivan. 1,511,641; Oct. 14.

Ice-cream-packaging machine. T. L. Valerius. 1,511,644; Oct. 14.
 Ice plant. R. Horton. 1,511,219; Oct. 14.
 Ice-rut crusher. J. H. Cunningham. 1,511,659; Oct. 14.
 Incubator. J. E. Seber and G. H. Chaplain. 1,511,305; Oct. 14.
 Index device. J. H. Rand. 1,511,750; Oct. 14.
 Index tab. G. H. Dawson. 1,511,268; Oct. 14.
 Indicating and recording instrument. E. H. Mortsell. 1,511,574; Oct. 14.
 Injectors, Construction of. M. Nakai. 1,511,768; Oct. 14.
 Inking roller. J. C. Sproull. 1,511,783; Oct. 14.
 Insecticide and method and apparatus for making the same. Dust. H. K. McConnell. 1,511,623; Oct. 14.
 Instrument board. W. P. Hammond. 1,511,989; Oct. 14.
 Insulated connector. L. Steinberger. 1,511,534; Oct. 14.
 Internal-combustion engine. E. R. Burnett. 1,511,705-7; Oct. 14.
 Internal-combustion engine. C. B. Kirkham. 1,511,672; Oct. 14.
 Internal-combustion engine. C. A. Spencer. 1,511,985; Oct. 14.
 Internal-combustion engine, Four-stroke-cycle. W. C. Holderness. 1,511,338; Oct. 14.
 Iron: See—
 Smoothing iron.
 Jack: See—
 Garage jack. Quick-acting jack.
 Lifting jack.
 Jack. J. W. Combs and C. W. Cochran. 1,511,802; Oct. 14.
 Jack or lifting device. C. W. Cochran. 1,511,801; Oct. 14.
 Jackscrew extension attachment. M. J. Parker. 1,511,747; Oct. 14.
 Joint: See—
 Fluid-tight joint. Rail joint.
 Furniture joint.
 Key holder. G. H. Hufft. 1,511,563; Oct. 14.
 Kiln, Barrel-drying. M. L. Mueller. 1,511,835; Oct. 14.
 Kiln construction. E. P. Stevens. 1,511,535; Oct. 14.
 Kiln, Tunnel. W. L. Hanley, Jr. 1,511,218; Oct. 14.
 Knitting machine and producing fabric thereon, Spring-needle. F. E. Jones. 1,511,997; Oct. 14.
 Labeling machine. M. F. Phelps. 1,511,235; Oct. 14.
 Lace. A. E. Newton. Des. 65,786; Oct. 14.
 Ladder, Self-supporting. W. Prince. 1,511,580; Oct. 14.
 Laminate material, Replenishing packs of. J. W. Free. 1,511,601; Oct. 14.
 Lamp, Adjustable. M. Ozlek. 1,511,630; Oct. 14.
 Lamp, Automobile signal. W. G. Kraus. 1,511,673; Oct. 14.
 Lamp, Candle table. M. Klein. Des. 65,783; Oct. 14.
 Lamp, Floor. E. N. Gackenbach. Des. 65,774; Oct. 14.
 Lamp, Portable vapor-burner incandescent. M. Macfarlane. 1,511,675; Oct. 14.
 Lamp socket. R. H. Croninger. 1,511,267; Oct. 14.
 Lamp stand. I. H. Kravitt. Des. 65,784; Oct. 14.
 Land, air, and water craft, Combination. J. P. Tarbor. 1,511,689; Oct. 14.
 Lantern, Hydrocarbon. R. T. Grady. 1,511,669; Oct. 14.
 Lathe, Automatic. L. Kinsley. 1,511,565; Oct. 14.
 Laundry and garment-pressing machines, Work conveyor for. W. C. Schaefer. 1,511,582; Oct. 14.
 Leggings, Dies for forming. G. W. Cumming. 1,511,593; Oct. 14.
 Lid-removing device. P. G. Bailly. 1,511,315; Oct. 14.
 Lifboat-launching gear. G. Wright. 1,511,251; Oct. 14.
 Lifting jack. W. G. Armstrong. 1,511,209; Oct. 14.
 Light of short wave length and composition of matter therefor, Protecting against. J. M. Eder. 1,511,874; Oct. 14.
 Lighting fixture. M. Klein. Des. 65,780-1; Oct. 14.
 Lighting fixture. A. F. Wakefield. Des. 65,789; Oct. 14.
 Lighting fixture. H. H. Wolter. Des. 65,791; Oct. 14.
 Lighting fixture and outlet receptacle. R. E. De Lamar. 1,511,594; Oct. 14.
 Lightning arrester. A. L. Atherton. 1,511,314; Oct. 14.
 Linings, Machine for making hat. R. Becker. 1,511,587; Oct. 14.
 Liquid, Apparatus for treating. H. H. Miller. 1,511,421; Oct. 14.
 Liquid-sampling apparatus. J. C. Colligan. 1,511,591; Oct. 14.
 Livestock, Spraying apparatus for. J. C. Findlay. 1,511,450; Oct. 14.
 Lock: See—
 Clutch-mechanism lock. Differential lock.
 Lock mechanism. E. Flagg. 1,511,956; Oct. 14.
 Locker. M. S. Hart. 1,511,725; Oct. 14.
 Locomotive provided with condenser. F. Ljungström and I. Broberg. 1,511,975; Oct. 14.
 Locomotive terminal cooling and sanding station. S. Otis. 1,511,819; Oct. 14.
 Log cabin, Concrete form for. I. W. Fisher. 1,511,955; Oct. 14.
 Loom and shuttle therefor, Weft-replenishing. E. A. Cuniff. 1,511,720; Oct. 14.
 Loom, Filling-replenishing. T. E. Norman. 1,511,296; Oct. 14.
 Loom harness, Support for. L. Fuchs. 1,511,456; Oct. 14.
 Looms, Drop-box-actuating mechanism for. A. D. Garulinski. 1,511,457; Oct. 14.
 Looms, Three-storied lathe for ribbon. G. Lüdorf. 1,511,290; Oct. 14.
 Looms, Weft-end holder for weft-replenishing. S. S. Jackson. 1,511,730; Oct. 14.
 Lubricating wrist pin and the like. R. H. Yale. 1,511,862; Oct. 14.
 Lubricators, Terminal check valve for mechanical. F. A. Goodfellow. 1,511,515; Oct. 14.
 Lubricators, Telltale for mechanical. F. A. Goodfellow. 1,511,516; Oct. 14.
 Machinery and method for making receptacles. E. Craig. 1,511,320; Oct. 14.
 Mail-carrier's bag holder. F. H. Braden. 1,511,259; Oct. 14.
 Manhole construction. W. C. McGaffie. 1,511,767; Oct. 14.
 Marine propulsion apparatus. D. F. Ashbury. 1,511,867-8; Oct. 14.
 Material from which articles may be molded, Composite. A. E. Gibson. 1,511,459; Oct. 14.
 Mattress-stitching machines, Driving mechanism for. J. W. Droll. 1,511,403; Oct. 14.
 Measured quantities of liquids, Apparatus for delivering. F. W. Stanley. 1,511,986; Oct. 14.
 Measurement of frequency, Apparatus for the. A. Seguin. 1,511,583; Oct. 14.
 Measuring device. A. J. Waltermire. 1,511,586; Oct. 14.
 Metal articles, Method of and apparatus for marking. H. R. Wade and H. M. Frink. 1,511,543; Oct. 14.
 Metallic beryllium, Making. S. J. Dickinson. 1,511,829; Oct. 14.
 Metals, Volatilization of. G. H. Wigton and S. M. Seddon. Des. 65,931; Oct. 14.
 Meter: See—
 Solution meter.
 Meter-reading device. I. S. Dement. 1,511,270; Oct. 14.
 Metering and feeding device. E. F. White. 1,511,698; Oct. 14.
 Micrometer. J. E. Barker. 1,511,255; Oct. 14.
 Milk and making the same, Modified. G. Grindrod. 1,511,808; Oct. 14.
 Milk-bottle holder. J. J. Elliott. 1,511,954; Oct. 14.
 Milk cooler. C. E. Dickerman. 1,511,722; Oct. 14.
 Milk-stock purifier. H. Vilim. 1,511,789; Oct. 14.
 Milling machine. D. G. Sundstrand. 1,511,243; Oct. 14.
 Mills, Grinding roll for flour. L. Schmidt. 1,511,842-3; Oct. 14.
 Mineral conglomerates or mixtures, Dressing of. G. Spackeler and K. Glinz. 1,511,637; Oct. 14.
 Mitten, Three-fingered. E. T. Baskin. 1,511,870; Oct. 14.
 Mixer: See—
 Soap and water mixer.
 Molded objects, Forming. A. E. Gibson. 1,511,458; Oct. 14.
 Monoplane. C. I. Clarke. 1,511,946; Oct. 14.
 Monoplane, Twin-fuselage. W. L. Gilmore. 1,511,666; Oct. 14.
 Mop. J. Johnston. 1,511,478; Oct. 14.
 Mopping device. L. B. Walton. 1,511,248; Oct. 14.
 Mopping machine. W. C. Pollard. 1,511,633; Oct. 14.
 Mortar and cement composition, Refractory. C. G. Carlstrum. 1,511,503-4; Oct. 14.
 Motor: See—
 Electric motor.
 Motor control, Electric. E. A. Binney. 1,511,391; Oct. 14.
 Motor-control system. H. D. James. 1,511,342; Oct. 14.
 Motor-cycle frame. V. W. Page. 1,511,631; Oct. 14.
 Motors by means of contact devices, Method and device for the automatic starting of continuous or alternating current. P. H. F. Lambert. 1,511,567; Oct. 14.
 Motors, Scavenging device for. J. E. Kennedy. 1,511,281; Oct. 14.
 Mounting device, Adjustable. S. C. Hoey. 1,511,336; Oct. 14.
 Mower, Lawn. P. A. Campbell. 1,511,501; Oct. 14.
 Muzzle, Brood-sow. C. L. Hord. 1,511,339; Oct. 14.
 Napkins and like articles, Dispenser for. P. H. Horwitt. 1,511,812; Oct. 14.
 Needles and the like, Mounting for hollow. H. Comer. 1,511,827; Oct. 14.
 Nets, Machine for knotting. W. C. Bröcker. 1,511,589; Oct. 14.
 Nonskid chain. O. M. Peters. 1,511,362; Oct. 14.
 Nozzle and exhaust spreader, Blower. A. Thompson. 1,511,808; Oct. 14.
 Nozzle for atomizing molten metal. J. H. Calbeck. 1,511,215; Oct. 14.
 Nozzle, Nonclogging spray. F. W. Boyer. 1,511,940; Oct. 14.
 Nut dispenser, Chopped. F. J. Arado. 1,511,821; Oct. 14.
 Odometer drive. J. K. Olsen. 1,511,234; Oct. 14.
 Oil-filtration device. J. L. Force. 1,511,831; Oct. 14.
 Oil burner. J. R. Nicholson. 1,511,904; Oct. 14.
 Oil burner. M. Raber. 1,511,519; Oct. 14.
 Oil burner. M. H. Reimers. 1,511,772; Oct. 14.
 Oil elevator, Crude. E. Cortés. 1,511,506; Oct. 14.
 Oil heater, Exterior crank-case. O. E. Wright. 1,511,250; Oct. 14.
 Oil-sampling device. E. V. La Chapelle. 1,511,223; Oct. 14.

Ornament, Table. R. M. Hardie. Des. 65,778; Oct. 14.
Oven door. G. D. Wilkinson and A. F. Harter. 1,511,700; Oct. 14.
Pantometer apparatus. L. B. Glanzer. 1,511,668; Oct. 14.
Paper, etc., Making fiber for. V. Drewsen. 1,511,664; Oct. 14.
Paper roll. Wall. E. G. Staunton. 1,511,848; Oct. 14.
Paper stock, Method of and apparatus for screening. A. J. Haug. 1,511,759; Oct. 14.
Pattern and guide strips, Setting tool for. S. H. Calkins. 1,511,789; Oct. 14.
Penell. G. Larsen. 1,511,225; Oct. 14.
Permeameter. F. P. Fahy. 1,511,595; Oct. 14.
Phonograph needle. N. S. Clay. 1,511,398; Oct. 14.
Phonographs and similar machines, Needle for. J. K. Winer. 1,511,860; Oct. 14.
Phonographs, Automatic stop for. H. F. Spengler. 1,511,847; Oct. 14.
Photographic paper or film with latent image, Apparatus for automatically printing. E. J. B. W. Soullier. 1,511,584; Oct. 14.
Physical-training device. W. U. Alastalo. 1,511,312; Oct. 14.
Pickling weight. C. H. De Groff. 1,511,757; Oct. 14.
Pin: See—
Cam pin. Safety pin.
Pipe: See—
Tobacco pipe.
Pipe jarring machine, Plastic. L. S. and H. A. Gelsner. 1,511,879; Oct. 14.
Pipes and rods, Machine for screwing together and unscrewing. H. C. Thrift. 1,511,850; Oct. 14.
Pipes, Mouthpiece for smoking. T. H. Mann. 1,511,999; Oct. 14.
Piscatorial products, Preserving. C. Birdseye. 1,511,824; Oct. 14.
Piston. D. F. McClintock. 1,511,414; Oct. 14.
Piston-repairing machine. M. E. Rogness. 1,511,909; Oct. 14.
Piston ring. H. Parkin. 1,511,576; Oct. 14.
Piston-ring expander. T. A. Hutsell. 1,511,761; Oct. 14.
Piston-rod packing. G. Christensen. 1,511,397; Oct. 14.
Pitchfork cleaner. A. Wallin. 1,511,545; Oct. 14.
Plaster board, Making. H. E. Brookby. 1,511,500; Oct. 14.
Plaster lath board, Machine for recessing. E. Westberg and J. Strand. 1,511,486; Oct. 14.
Plastic composition. J. Sulser. 1,511,784; Oct. 14.
Plastic materials and the product, Production of. F. J. Commelin. 1,511,949; Oct. 14.
Plate-etching machine. E. G. Wennerblad, N. O. Nelson, and R. C. Johnson. 1,511,648; Oct. 14.
Platform or car, Work-conveying. J. W. Dirksen and L. E. Clough. 1,511,662; Oct. 14.
Flowsheet with removable point. J. Sanders. 1,511,301; Oct. 14.
Plug, Attachment. S. McClintock. 1,511,674; Oct. 14.
Pocketed table. A. F. Wasmuth. 1,511,925; Oct. 14.
Porch gate. J. G. Haugh. 1,511,963; Oct. 14.
Portable secondary battery. R. Martin. 1,511,230; Oct. 14.
Pot: See—
Reversible pot.
Potato cutter, Seed. P. Knudsen. 1,511,617; Oct. 14.
Potato sorting and grading machine. L. A. Bowser. 1,511,650; Oct. 14.
Power-press safety device. A. C. Nicols. 1,511,233; Oct. 14.
Power wheel. H. L. Thompson. 1,511,541; Oct. 14.
Press: See—
Hydraulic press. Toggle press.
Pressure-controlling apparatus, Automatic. J. Frankenberg. 1,511,406; Oct. 14.
Primers and detonators, Explosive compound for. H. Rathsborg. 1,511,771; Oct. 14.
Printing machine, Rotary plate. A. H. Smith. 1,511,307; Oct. 14.
Propantriol from sugar, Manufacturing of. W. Connstein and K. Ludecke. 1,511,754; Oct. 14.
Pulp to improve filtration, Treating. U. C. Tainton. 1,511,785; Oct. 14.
Pulverizing horn. F. Thomas. 1,511,987; Oct. 14.
Pump. E. J. Hanson. 1,511,962; Oct. 14.
Pump. A. J. W. Hunter. 1,511,971; Oct. 14.
Pump and fuel spray valve, Combination metering. H. B. Peterson. 1,511,484; Oct. 14.
Pump, Liquid-measuring. M. R. Julian. 1,511,615; Oct. 14.
Pump, Tire. C. H. Wentzell. 1,511,649; Oct. 14.
Purlin-supporting bracket. T. J. Callahan. 1,511,652; Oct. 14.
Putty, Making finish-coat. W. T. Doyle. 1,511,446; Oct. 14.
Quick-acting jack. J. W. Combs and C. W. Cochran. 1,511,803; Oct. 14.
Rack: See—
Game rack.
Radiator. J. M. Fedders. 1,511,275; Oct. 14.
Radiator cap. E. Rutt. 1,511,427; Oct. 14.
Radiators, Heating unit for. T. H. Willson. 1,511,553; Oct. 14.
Radiators, Machine for forming brass spring strips for. G. H. Lober. 1,511,349; Oct. 14.

Radio work, Transformer core for. R. G. McKee. 1,511,229; Oct. 14.
Rail anchor. H. G. Warr. 1,511,546; Oct. 14.
Rail clamp and brace. W. M. Riggins. 1,511,367; Oct. 14.
Rail control, Third. W. Alt. 1,511,253; Oct. 14.
Rail joint. J. Barron. 1,511,869; Oct. 14.
Rail joint. S. A. Hoge. 1,511,609; Oct. 14.
Railway-crossing signal. B. R. Smith. 1,511,918; Oct. 14.
Railway-tie shifter. G. W. Williams. 1,511,387; Oct. 14.
Rake: See—
Stone rake.
Razor, Safety. F. Isman. 1,511,220; Oct. 14.
Razor, Safety. P. S. Lietz. 1,511,736; Oct. 14.
Reel. L. S. Lachman. 1,511,285; Oct. 14.
Reamer. C. Makay. 1,511,898; Oct. 14.
Receptacle. G. F. Montague. 1,511,817; Oct. 14.
Receptacle actuator. K. Wildberger. 1,511,386; Oct. 14.
Receptacle cover. J. I. Russakov. 1,511,426; Oct. 14.
Refrigerating apparatus. H. C. Folger. 1,511,451-4; Oct. 14.
Refrigerating apparatus, Automatic. M. R. Karge. 1,511,890; Oct. 14.
Refrigerating unit, Domestic. J. Frankenberg. 1,511,405; Oct. 14.
Refrigeration and preserving perishable products, Method of and apparatus for. T. B. Slate. 1,511,306; Oct. 14.
Regulator: See—
Automatic regulator. Temperature regulator.
Resistance coil. A. Frohne. 1,511,276; Oct. 14.
Reversible pot. W. Westbury. 1,511,551; Oct. 14.
Revolvers, Knife attachment for. D. Sipes. 1,511,916; Oct. 14.
Ring: See—
Piston ring.
Ring-curling machine. R. B. Wasson. 1,511,547; Oct. 14.
Ring-spinning machine. H. Hamel. 1,511,883; Oct. 14.
Rivet, Two-piece. E. B. Stimpson. 1,511,688; Oct. 14.
Roofs, Pipe flashing for. O. A. Heppes. 1,511,884; Oct. 14.
Rosin manufacture. F. E. Greenwood. 1,511,461; Oct. 14.
Rubber, Treating. E. B. Spear. 1,511,984; Oct. 14.
Rubbish can. J. N. Schilling. 1,511,982; Oct. 14.
Ruler, Parallel. V. A. Strom. 1,511,378; Oct. 14.
Saccharine materials, Decolorizing and purification of. J. J. Hood and J. and P. G. Clark. 1,511,472; Oct. 14.
Safety catch and making the same. F. O. Anderson. 1,511,931; Oct. 14.
Safety device. J. Ruths. 1,511,524; Oct. 14.
Safety pin. H. P. Westerberg. 1,511,926; Oct. 14.
Salts of ammonia, Producing. R. Sandahl. 1,511,912; Oct. 14.
Sand, Molding. J. A. Boughton. 1,511,939; Oct. 14.
Sash construction, Storm. J. H. Gibson. 1,511,881; Oct. 14.
Sash mounting. A. C. Soule. 1,511,683; Oct. 14.
Saw guard. E. E. Berghold. 1,511,797; Oct. 14.
Saw, Meat-cutting band. J. W. Vaughan. 1,511,788; Oct. 14.
Scale. A. E. Ashcraft. 1,511,490; Oct. 14.
Scale. M. H. Starr. 1,511,531; Oct. 14.
Scale, Bin. A. Debay. 1,511,950; Oct. 14.
Scale, Weighing. G. Fiedler. 1,511,404; Oct. 14.
Scraper. J. O. Charpentier. 1,511,444; Oct. 14.
Screw driver. W. S. Thomson. 1,511,434; Oct. 14.
Screws, Nut for. S. J. Noll. 1,511,746; Oct. 14.
Sea suit, Safety. A. V. Sims. 1,511,528; Oct. 14.
Seed, from grain, Separating weed. H. Larsen. 1,511,734; Oct. 14.
Separator. W. B. Orcutt. 1,511,575; Oct. 14.
Sewage sludge, Treating. A. MacLachlan. 1,511,418; Oct. 14.
Sewer cleaner. N. Peterson. 1,511,577; Oct. 14.
Sewing machines, Lighting device for. I. F. Webb. 1,511,647; Oct. 14.
Shade and drapery holder, Combination. A. I. Gregory. 1,511,462; Oct. 14.
Shade-frame center. L. W. Andersen. 1,511,254; Oct. 14.
Shaft coupling. M. Zielinski. 1,511,863; Oct. 14.
Shaft, Flexible. C. Bethel. 1,511,390; Oct. 14.
Shaft support. W. F. Harrington. 1,511,465; Oct. 14.
Shear, Shapes. H. J. Donahoe. 1,511,952; Oct. 14.
Shears. G. R. Lusby. 1,511,892; Oct. 14.
Shears, Milliner's. N. O. Henault. 1,511,964; Oct. 14.
Shearing and other hand-operated tool, Rotary. E. M. Smith. 1,511,781; Oct. 14.
Shelving structure for retail stores. J. Cytron. 1,511,508; Oct. 14.
Shingle, Interlocked. F. J. and G. M. Kromenaker. 1,511,732; Oct. 14.
Shock absorber. H. Arnoldi. 1,511,436; Oct. 14.
Shock absorber, Friction. T. Carter. 1,511,264; Oct. 14.
Shoe-closure fastener. F. T. Mallich. 1,511,899; Oct. 14.
Shoe-shining machine. A. A. Stavick. 1,511,241; Oct. 14.
Shovel: See—
Hammer shovel.
Shovel, Hammer. G. M. Gest. 1,511,880; Oct. 14.
Shuttles, Friction device for. J. C. Shambow. 1,511,680; Oct. 14.

Sifter-top receptacle and closure therefor. C. S. Mumphy. 1,511,970; Oct. 14.
Signal: See—
Automobile signal. Toy danger signal.
Automobile direction signal. Traffic signal.
Railway-crossing signal.
Signal Traffic. J. W. Miller. 1,511,901; Oct. 14.
Signaling device. M. H. Weldy. 1,511,702; Oct. 14.
Signboard. J. Schenker. 1,511,429; Oct. 14.
Silo. F. Heath. 1,511,467; Oct. 14.
Skates, Roller for. T. Pedun. 1,511,512; Oct. 14.
Sleigh, Motor. R. Harris. 1,511,331; Oct. 14.
Smokers, Tools for use by. F. E. V. Beanes. 1,511,317; Oct. 14.
Smoothing iron. M. F. Decker. 1,511,269; Oct. 14.
Snap fastener. J. A. Mandis. 1,511,900; Oct. 14.
Snap switch. M. Guett. 1,511,809; Oct. 14.
Snap switch, Rotary. C. E. Anderson. 1,511,866; Oct. 14.
Soap and water mixer. H. G. Brower. 1,512,009; Oct. 14.
Sodium fluoride and sodium sulphur, Making a double salt of. H. Howard. 1,511,590; Oct. 14.
Soldering machine. Cnr. C. Steen. 1,511,686; Oct. 14.
Solution meter. M. L. Latham. 1,511,765; Oct. 14.
Spark plugs, Electrode for. W. G. Bentley. 1,511,937; Oct. 14.
Specific-gravity apparatus. J. J. Ganucheau. 1,511,604; Oct. 14.
Speed-regulator system. C. A. Boddie. 1,511,393; Oct. 14.
Spider and gas saver, Combined. H. R. Standlee. 1,511,529; Oct. 14.
Spindle, Bow-shuttle. W. Simmons. 1,511,375; Oct. 14.
Spinning frames, Adjustable level for. A. M. Guillet. 1,511,464; Oct. 14.
Spinning or twisting machines, Mount for spindles of. H. G. Beede. 1,511,257; Oct. 14.
Sponge and sponge holder, Combined. H. A. Hoy. 1,511,909; Oct. 14.
Spoilers, Tension mechanism for. C. C. Brown. 1,511,872; Oct. 14.
Spout, Sap. S. Penksa. 1,511,632; Oct. 14.
Spraying device, Pneumatic. J. A. Paasche. 1,511,361; Oct. 14.
Spring: See—
Bedspring.
Sprinkler head, Automatic. E. A. Lowe. 1,511,289; Oct. 14.
Steel tapes, Connector for. T. C. Hamby. 1,511,607; Oct. 14.
Steering wheel. L. C. Lazear. 1,511,227; Oct. 14.
Steering wheels, Handle for. J. H. Rucker. 1,511,523; Oct. 14.
Stereoscopic relief and making it, Transparency possessing. W. O. Runcie. 1,512,010; Oct. 14.
Stereo-type plates on plate cylinders, Adjusting. H. F. Bechman. 1,511,716; Oct. 14.
Stirrup-bending machine. T. Kardong. 1,512,002; Oct. 14.
Stitch marker. P. Rapp and M. D. Ratner. 1,511,366; Oct. 14.
Stoker. A. O. Jackson. 1,511,279; Oct. 14.
Stoker, Underfeed. A. H. Blackburn and S. A. Armstrong. 1,511,442; Oct. 14.
Stoker, Underfeed. R. S. Riley. 1,511,980; Oct. 14.
Stokers, Pusher-rod throw-adjuster for underfeed. J. F. Barry. 1,511,439; Oct. 14.
Stone rake. W. M. McLeod. 1,511,292; Oct. 14.
Stoker. N. H. Caulfield. 1,511,505; Oct. 14.
Stooking-machine elevator. N. H. Caulfield. 1,511,655; Oct. 14.
Storage battery. R. N. Chamberlain. 1,511,826; Oct. 14.
Stove. I. W. Bromon. 1,511,941; Oct. 14.
Stove, Oil. A. Meadows and A. G. Sherman. 1,511,420; Oct. 14.
Stovepipe anchor. G. J. Huebner. 1,511,562; Oct. 14.
Stringer. A. Jordahl. 1,511,764; Oct. 14.
Sugar, Apparatus for treating. B. C. Lechler. 1,511,619; Oct. 14.
Supervaporizer. A. H. Druckey. 1,511,274; Oct. 14.
Surgical appliance. J. H. Marshall. 1,511,572; Oct. 14.
Suspension apparatus, Resilient. A. Horwitz. 1,511,727; Oct. 14.
Switch: See—
Snap switch.
Switch mechanism. L. F. Kries. 1,511,408; Oct. 14.
Swivel attachment, Hauling and slack-puller line. K. Berger. 1,511,796; Oct. 14.
Table: See—
Drawing table. Waiting table.
Pocketed table.
Table cover. C. Bastow. Des. 65,766; Oct. 14.
Tank, separator and scrubber, Combined flow. M. F. Waters. 1,511,854; Oct. 14.
Teeth, Appliance for regulating. D. S. Bacon. 1,511,712; Oct. 14.
Telegraphy, Duplex. J. M. Fell. 1,511,326; Oct. 14.
Temperature control in chemical reactions. G. Edgar. 1,511,875; Oct. 14.
Textile fabric. J. S. Boyd. Des. 65,770; Oct. 14.
Thermal relay. F. H. Miller. 1,511,352-3; Oct. 14.
Thermometer case, Sanitary. W. F. Howe. 1,511,474; Oct. 14.

Thermostatic electric-circuit controller. A. E. Chisholm. 1,511,708; Oct. 14.
Thrashing-machine grate. J. P. Henderson. 1,511,832; Oct. 14.
Thread guide. R. A. Morse. 1,511,356; Oct. 14.
Timing device. P. S. Luttrell and P. C. Roske. 1,511,893; Oct. 14.
Tin from tin-bearing materials, Recovering. W. J. Butfield. 1,511,590; Oct. 14.
Tin-plate scrap, Treatment of. R. A. Holland. 1,511,967; Oct. 14.
Tire chain. L. J. McHenry. 1,511,740; Oct. 14.
Tire-chain applier. E. E. Cronenweth. 1,511,657; Oct. 14.
Tire-chain fastener and lock. A. A. Smith and H. W. Paine. 1,511,917; Oct. 14.
Tire-chain holder. W. J. Spiro. 1,511,685; Oct. 14.
Tire gauge. T. C. Cooper. 1,511,709; Oct. 14.
Tire-wrapping machine. F. M. P. and W. B. Pierce. 1,511,579; Oct. 14.
Tires, Teltale for pneumatic. J. E. Kennedy. 1,511,280; Oct. 14.
Tobacco package or container. J. Peterson. 1,512,000; Oct. 14.
Tobacco pipe. H. J. Galsman. 1,511,603; Oct. 14.
Toggle press. O. S. Beyer. 1,511,214; Oct. 14.
Tollet seat and seat-cover adjusting means. W. H. Staszak. 1,511,533; Oct. 14.
Tomato pulper and seed extractor. J. F. Lindley. 1,511,288; Oct. 14.
Tool. V. Yngve. 1,511,555; Oct. 14.
Tool, Combination. P. Jackson. 1,511,340; Oct. 14.
Tools, Locking means for impact. C. Page. 1,511,677; Oct. 14.
Tools, Tool feeding and traversing mechanism for machine. J. J. Thacher. 1,511,642; Oct. 14.
Torpedo, Well. F. I. Alexander. 1,511,488; Oct. 14.
Tote box. E. G. Lehman. 1,511,569; Oct. 14.
Tower, Extension. C. Schwarz. 1,511,679; Oct. 14.
Toy. L. E. Baublitz. 1,511,211; Oct. 14.
Toy. R. A. Bonini. 1,511,497; Oct. 14.
Toy. E. P. Vance. 1,511,921; Oct. 14.
Toy and ornament. W. F. Bleecker. 1,511,588; Oct. 14.
Toy danger signal. A. R. Fergusson. 1,511,597; Oct. 14.
Toy, Detonating. C. W. Burger. 1,511,718; Oct. 14.
Toy, Floating. J. Breslove. 1,511,798; Oct. 14.
Toy, Mechanical. M. H. Snyder and F. H. Smith. 1,511,239; Oct. 14.
Toy railway-crossing gate. A. R. Fergusson. 1,511,599; Oct. 14.
Toy, Sand. A. Shea. 1,511,983; Oct. 14.
Toy railways, Rail connector for. A. R. Fergusson. 1,511,600; Oct. 14.
Toy semaphore signal tower. A. R. Fergusson. 1,511,449; Oct. 14.
Toy signal tower. A. R. Fergusson. 1,511,598; Oct. 14.
Tractor hitch, Binder. T. J. Boten. 1,511,938; Oct. 14.
Tractor, Logging. D. W. Glascock. 1,511,959; Oct. 14.
Tractor wheel. G. Mackenzie Jr. 1,511,293; Oct. 14.
Tractor wheel. J. W. Manning. 1,511,294; Oct. 14.
Tractors, Attachment for. J. T. Ingersoll. 1,511,476; Oct. 14.
Traffic signal. A. M. Johnson and U. G. Blanton. 1,511,763; Oct. 14.
Trailers, Brake controlling mechanism for. C. De Mattia. 1,511,556; Oct. 14.
Train connectors, Tubular mount for. E. A. Robinson. 1,511,300; Oct. 14.
Train-control apparatus. R. F. Hudson. 1,511,611; Oct. 14.
Transfer and transfer ink. T. Marston and W. S. Lawrence. 1,511,816; Oct. 14.
Transmission bands, Lining for. M. B. Hill. 1,511,885; Oct. 14.
Trap: See—
Animal trap. Flytrap.
Trap. J. J. Culek. 1,511,399; Oct. 14.
Treating material. P. A. Singer. 1,511,238; Oct. 14.
Trolley-conductor device. C. F. Wagner. 1,511,383; Oct. 14.
Truck attachment. W. E. Knerr. 1,511,407; Oct. 14.
Truck body. A. F. Howland. 1,511,728; Oct. 14.
Truck, Industrial. W. C. Carr. 1,511,654; Oct. 14.
Truck, Trailer. A. B. Cadman. 1,511,263; Oct. 14.
Tube: See—
Draft tube.
Tubular articles, Machine for making. G. W. Beadle. 1,511,714-15; Oct. 14.
Tubular containers, Machine for making. J. D. Webber. 1,511,693; Oct. 14.
Tubular members, Connecting. E. R. Draver. 1,511,723; Oct. 14.
Type-making machine. J. F. Lackey. 1,511,733; Oct. 14.
Typesetting machines, Attachment for slug-casting. J. H. McCulley. 1,511,571; Oct. 14.
Typewriter. P. Muchajer. 1,511,676; Oct. 14.
Typewriters, Carriage brake for. O. A. Håkanson. 1,511,470; Oct. 14.
Typewriting machine. A. G. F. Kurowski. 1,511,222; Oct. 14.
Typewriting machine. J. A. B. Smith. 1,511,845; Oct. 14.
Temperature regulator. A. N. Otis. 1,512,008; Oct. 14.
Typewriting, Shorthand. J. Černý. 1,512,001; Oct. 14.

Umbrella runner. M. H. Hartzell. 1,511,558; Oct. 14.
Underreamer. W. R. Wilber. 1,511,385; Oct. 14.
Upbolstering machine for making molding for. E. R. Creamer. 1,511,507; Oct. 14.
Vaccine making blackleg. O. M. Franklin. 1,511,557; Oct. 14.
Valve. R. T. Foley. 1,511,830; Oct. 14.
Valve. C. Vitek. 1,511,692; Oct. 14.
Valve and making same, Composite poppet. R. Jardine. 1,511,833; Oct. 14.
Valve and operating mechanism therefor. H. A. Congdon. 1,511,656; Oct. 14.
Valve, Dual. F. W. Lindemann. 1,511,974; Oct. 14.
Valve, Flushing. W. F. Knell. 1,511,891; Oct. 14.
Valve, Flushing. W. S. White. 1,511,927; Oct. 14.
Valve for flush tanks. F. F. Gray. 1,511,605; Oct. 14.
Valve for steam, gas, or fluid, Shut-off. K. Schnetzer. 1,511,302; Oct. 14.
Valve for tanks. Water-Inlet. F. A. Schossow. 1,511,431; Oct. 14.
Valve, Operating. A. I. Woodring. 1,511,554; Oct. 14.
Valve, Pressure regulating. K. Berger. 1,511,318; Oct. 14.
Valve, Reversible. W. F. Wagner. 1,511,544; Oct. 14.
Valve, Rotary. G. I. Des Champs. 1,511,402; Oct. 14.
Vanity box. S. Morrison. 1,511,354; Oct. 14.
Vanity case. W. D. Wright. 1,512,005; Oct. 14.
Vault-door construction. J. Freyberg and L. F. Wnubolding. 1,511,455; Oct. 14.
Vehicle brake. L. O. Markham. 1,511,976; Oct. 14.
Vehicle brake, Automatic. W. L. Houston. 1,511,888; Oct. 14.
Vehicle for passengers, Road. G. J. Shave. 1,511,844; Oct. 14.
Vehicle testing mechanism. L. S. Moore. 1,511,818; Oct. 14.
Vehicle, Traction. G. C. Davison. 1,511,873; Oct. 14.
Vehicle wheels, Tread attachment for. W. M. Borgal. 1,511,499; Oct. 14.
Vehicles and the like, Top for. F. K. Lewis. 1,511,570; Oct. 14.
Vehicles, Change-speed mechanism for mechanically-propelled. F. H. Royce. 1,511,910; Oct. 14.
Vehicles, Driving gearing for motor-driven. C. E. Starr. 1,511,530; Oct. 14.
Vehicles, Propulsion of. R. Goldschmidt. 1,511,960; Oct. 14.
Vehicles, Striding-motion driving gear for motor. V. Zboril. 1,511,928; Oct. 14.
Vehicles, Theft alarm for motor. F. H. Ruehmeier. 1,511,778; Oct. 14.
Vehicles, Wheel brake for. E. Holmes and A. D. Lightner. 1,511,471; Oct. 14.
Veneer, Process and apparatus for drying. A. L. Daly. 1,511,400; Oct. 14.
Ventilating device. E. J. Krueger. 1,511,409; Oct. 14.
Vessel. H. P. Yates. 1,511,435; Oct. 14.
Viscosimeter. C. M. Larson and C. L. Knopf. 1,511,998; Oct. 14.
Vise, Machine. P. Petzold. 1,511,298; Oct. 14.

Voltage-regulator system. C. A. Boddie. 1,511,392; Oct. 14.
Vulcanizer. W. A. Gwynn. 1,511,810; Oct. 14.
Waiting table. E. Ramsburg. 1,511,365; Oct. 14.
Wall construction. G. F. Voight. 1,511,045; Oct. 14.
Washer: See—
Air washer.
Washing machine. L. F. Franklin. 1,511,514; Oct. 14.
Water column and inclined gauge glass, Combined. G. Ernst. 1,511,325; Oct. 14.
Water-gauge protector. P. J. Flaherty. 1,511,877; Oct. 14.
Water tap. C. A. Helldov and G. A. G. Lofstrom. 1,511,760; Oct. 14.
Web-coating machine. P. Feig. 1,511,596; Oct. 14.
Weigh beams, Poise for. M. H. Starr. 1,511,532; Oct. 14.
Weighing machine with automatic indicating or printing device. P. Seltz and A. Kramer. 1,511,527; Oct. 14.
Weighing mechanism, Double-reading. H. C. Schapar. 1,511,428; Oct. 14.
Welding tubing. J. H. Taylor. 1,511,849; Oct. 14.
Wells, Method of and apparatus for drilling. W. L. Hartzell. 1,511,990; Oct. 14.
Welt. H. Lyon. 1,511,411; Oct. 14.
Waiting, Making. T. Lund. 1,511,228; Oct. 14.
Wheel: See—
Bulldog wheel. Steering wheel.
Drive wheel. Tractor wheel.
Power wheel.
Wheel hub. W. L. McGrath. 1,511,291; Oct. 14.
Wheel-lifting rim. H. B. Hubbard. 1,511,278; Oct. 14.
Wheel-mounting device. B. Griffith, Jr. 1,511,463; Oct. 14.
Window. J. Borowiec. 1,511,871; Oct. 14.
Window-cleaner's safety device. A. Buck. 1,511,704; Oct. 14.
Window construction. M. Green. 1,511,460; Oct. 14.
Window scaffold, Portable. E. Brousseau. 1,511,260; Oct. 14.
Window ventilator. H. G. Tregillus. 1,511,920; Oct. 14.
Window-washing machine. W. A. Pierson. 1,511,363; Oct. 14.
Windshields, Glareshield for. W. M. Stidworthy. 1,511,687; Oct. 14.
Wire-retaining device. P. G. Swars. 1,511,379; Oct. 14.
Wires, Machine for collecting and weighing the. P. Wright. 1,511,794; Oct. 14.
Wood and wooden structures, Preserving. F. C. Matthews. 1,511,742; Oct. 14.
Woodworking machine. C. F. Anderson and L. W. Knapp. 1,511,865; Oct. 14.
Woodworking machine. W. Potter. 1,511,748; Oct. 14.
Wreath form. G. K. Smith. 1,511,780; Oct. 14.
Wrench. K. Canan. 1,511,395; Oct. 14.
Wrench. S. O. Lawrence. 1,511,226; Oct. 14.
Wrench. C. M. Strickler. 1,511,538; Oct. 14.
Wrenches and other tools, Extension handle for. F. W. Lowmsbery. 1,511,738; Oct. 14.
Yarns, Treatment of. H. J. W. Bliss. 1,511,212; Oct. 14.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 14, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 8.2: 1,511,319	29— 86.4: 1,511,761	56— 424: 1,511,505	81— 177: 1,511,395	116— 47: 1,511,252	143— 159: 1,511,797
50: 1,511,710	88.2: 1,511,773	58— 16: 1,511,893	83— 6: 1,511,738	118— 38: 1,511,763	144— 1: 1,511,635
2— 14: 1,511,357	155.5: 1,511,277	59— 52: 1,511,894	12: 1,511,842	51: 1,511,283	92: 1,511,865
50: 1,511,737	12: 1,511,220	60— 53: 1,511,333	12: 1,511,843	63: 1,511,751	136: 1,511,486
144: 1,511,793	10: 1,511,736	62— 4: 1,511,406	40: 1,511,789	151: 1,511,449	144: 1,511,748
158: 1,511,870	12: 1,511,638	5: 1,511,890	56: 1,511,575	117: 1,511,616	145— 61: 1,511,434
187: 1,511,313	19: 1,511,712	13: 1,511,451	67: 1,511,389	119— 32: 1,511,787	146— 7: 1,511,947
249: 1,511,303	1: 1,511,668	116: 1,511,405	82: 1,511,643	22: 1,511,787	169: 1,511,617
4— 56: 1,511,005	33— 19: 1,511,668	172: 1,511,219	84: 1,511,637	38: 1,511,305	174: 1,511,287
251: 1,511,533	26: 1,511,626	178: 1,511,306	10: 1,511,711	133: 1,511,339	150— 40: 1,511,563
84: 1,511,477	109: 1,511,378	64— 10: 1,511,861	32: 1,511,746	156: 1,511,450	152— 14: 1,511,362
124: 1,511,806	134: 1,511,586	22: 1,511,481	39: 1,511,688	120— 18: 1,511,225	151: 1,511,657
262: 1,511,559	143: 1,511,624	24: 1,511,862	14: 1,511,642	121— 164: 1,511,656	152— 14: 1,511,362
290: 1,511,882	165: 1,511,255	26: 1,511,419	15: 1,511,213	122— 604.3: 1,511,978	153— 28: 1,511,727
6: 1,511,964	178: 1,511,934	36: 1,511,286	21: 1,511,243	123— 25: 1,511,498	2: 1,511,349
13: 1,511,359	207: 1,511,464	39: 1,511,480	60: 1,511,298	32: 1,511,887	16: 1,511,355
18: 1,511,380	12: 1,511,400	39: 1,511,480	12.2: 1,511,977	33: 1,511,698	54: 1,511,547
20: 1,511,741	39: 1,511,535	45: 1,511,061	18: 1,511,596	43: 1,511,985	54: 1,511,547
22: 1,511,528	35— 8: 1,511,961	48: 1,511,621	46: 1,511,729	53: 1,511,706	154— 2: 1,511,500
10— 169: 1,511,258	36— 42: 1,511,922	52: 1,511,336	11: 1,511,664	72: 1,511,705	156— 24: 1,511,459
15— 21: 1,511,618	78: 1,511,411	59: 1,511,465	21: 1,511,475	76: 1,511,281	28: 1,511,324
33: 1,511,241	39— 18: 1,511,578	62: 1,511,905	35: 1,511,949	119: 1,511,274	158— 50.1: 1,511,669
51: 1,511,248	86: 1,511,963	80: 1,511,257	36: 1,511,320	169: 1,511,739	57: 1,511,469
70: 1,511,602	40— 16: 1,511,268	89: 1,511,863	39: 1,511,686	173: 1,511,987	73: 1,511,820
99: 1,511,633	19: 1,511,539	96: 1,511,390	81: 1,511,686	173: 1,511,987	75: 1,511,519
103: 1,511,363	32: 1,511,814	94— 51: 1,511,715	51: 1,511,715	173: 1,511,987	76: 1,511,330
130: 1,511,969	37: 1,511,521	95— 73: 1,511,799	95: 73: 1,511,799	173: 1,511,987	78: 1,511,772
228: 1,511,478	39: 1,511,965	96— 21: 1,511,584	96: 21: 1,511,584	173: 1,511,987	81: 1,511,420
229: 1,511,620	42: 1,511,982	97— 24: 1,511,703	97— 24: 1,511,703	173: 1,511,987	81: 1,511,420
42: 1,511,906	64: 1,511,750	101— 40: 1,511,476	101— 40: 1,511,476	173: 1,511,987	81: 1,511,420
5: 1,511,210	102: 1,511,518	102— 125: 1,511,301	102— 125: 1,511,301	173: 1,511,987	81: 1,511,420
18: 1,511,810	109: 1,511,568	103— 188: 1,511,932	103— 188: 1,511,932	173: 1,511,987	81: 1,511,420
53: 1,511,964	125: 5: 1,511,597	104— 2: 1,511,409	104— 2: 1,511,409	173: 1,511,987	81: 1,511,420
59: 1,511,458	127: 1,511,795	105— 31: 1,511,920	105— 31: 1,511,920	173: 1,511,987	81: 1,511,420
11: 1,511,460	130: 1,511,791	106— 11: 1,511,808	106— 11: 1,511,808	173: 1,511,987	81: 1,511,420
32: 1,511,839	12: 1,511,780	107— 12: 1,511,742	107— 12: 1,511,742	173: 1,511,987	81: 1,511,420
42: 1,511,683	15: 1,511,588	108— 14: 1,511,824	108— 14: 1,511,824	173: 1,511,987	81: 1,511,420
50: 1,511,871	21: 1,512,010	109— 27: 1,511,543	109— 27: 1,511,543	173: 1,511,987	81: 1,511,420
55: 1,511,881	3: 1,511,262	110— 35: 1,511,488	110— 35: 1,511,488	173: 1,511,987	81: 1,511,420
92: 1,511,273	1,511,509	111— 156: 1,511,207	111— 156: 1,511,207	173: 1,511,987	81: 1,511,420
167: 1,511,224	53: 1,511,916	112— 349: 1,511,783	112— 349: 1,511,783	173: 1,511,987	81: 1,511,420
217: 1,511,989	76: 1,511,390	113— 378: 1,511,716	113— 378: 1,511,716	173: 1,511,987	81: 1,511,420
1: 1,511,721	88: 1,511,614	114— 4: 1,511,488	114— 4: 1,511,488	173: 1,511,987	81: 1,511,420
10: 1,511,494	107: 1,511,682	115— 25: 1,511,432	115— 25: 1,511,432	173: 1,511,987	81: 1,511,420
13: 1,511,560	142: 1,511,979	116— 72: 1,511,496	116— 72: 1,511,496	173: 1,511,987	81: 1,511,420
21: 1,511,912	138: 1,511,807	117— 166: 1,511,962	117— 166: 1,511,962	173: 1,511,987	81: 1,511,420
28: 1,511,520	24: 1,511,805	118— 225: 1,511,649	118— 225: 1,511,649	173: 1,511,987	81: 1,511,420
31: 1,511,238	26: 1,511,366	119— 24: 1,511,818	119— 24: 1,511,818	173: 1,511,987	81: 1,511,420
105: 1,511,090	87: 1,511,725	120— 244: 1,511,858	120— 244: 1,511,858	173: 1,511,987	81: 1,511,420
123: 1,511,445	51: 1,511,925	121— 263: 1,511,424	121— 263: 1,511,424	173: 1,511,987	81: 1,511,420
125: 1,511,607	37: 1,511,211	122— 264: 1,511,973	122— 264: 1,511,973	173: 1,511,987	81: 1,511,420
129: 1,511,972	1,511,239	123— 308: 1,511,859	123— 308: 1,511,859	173: 1,511,987	81: 1,511,420
129: 1,511,377	1,511,599	124— 364: 1,511,371	124— 364: 1,511,371	173: 1,511,987	81: 1,511,420
139: 1,511,897	1,511,798	125— 383: 1,511,413	125— 383: 1,511,413	173: 1,511,987	81: 1,511,420
156: 1,511,926	1,511,983	126— 7: 1,511,784	126— 7: 1,511,784	173: 1,511,987	81: 1,511,420
157: 1,511,931	40: 1,511,479	127— 9: 1,511,503	127— 9: 1,511,503	173: 1,511,987	81: 1,511,420
163: 1,511,903	46: 1,511,718	128— 25: 1,511,504	128— 25: 1,511,504	173: 1,511,987	81: 1,511,420
180: 1,511,665	52: 1,511,512	129— 25: 1,511,323	129— 25: 1,511,323	173: 1,511,987	81: 1,511,420
203: 1,511,890	55: 1,511,335	130— 7: 1,511,256	130— 7: 1,511,256	173: 1,511,987	81: 1,511,420
205: 1,511,777	1,511,731	131— 59: 1,512,007	131— 59: 1,512,007	173: 1,511,987	81: 1,511,420
211: 1,511,900	57: 1,511,381	132— 64: 1,511,396	132— 64: 1,511,396	173: 1,511,987	81: 1,511,420
242: 1,511,917	1,511,497	133— 81: 1,511,701	133— 81: 1,511,701	173: 1,511,987	81: 1,511,420
245: 1,511,991	61: 1,511,936	134— 82: 1,511,261	134— 82: 1,511,261	173: 1,511,987	81: 1,511,420
1,511,992	66: 1,511,696	135— 99: 1,511,530	135— 99: 1,511,530	173: 1,511,987	81: 1,511,420
1,511,993	69: 1,511,312	136— 100: 1,511,908	136— 100: 1,511,908	173: 1,511,987	81: 1,511,420
1,511,994	99: 1,511,632	137— 105: 1,512,233	137— 105: 1,512,233	173: 1,511,987	81: 1,511,420
1,511,995	14: 1,511,550	138— 109: 1,511,414	138— 109: 1,511,414	173: 1,511,987	81: 1,511,420
1,511,996	17: 1,511,551	139— 17: 1,511,576	139— 17: 1,511,576	173: 1,511,987	81: 1,511,420
248: 1,511,704	11: 1,511,576	140— 18: 1,511,785	140— 18: 1,511,785	173: 1,511,987	81: 1,511,420
131: 1,511,537	51— 131: 1,511,828	141— 63: 1,511,415	141— 63: 1,511,415	173: 1,511,987	81: 1,511,420
142: 1,511,218	193: 1,511,245	142— 76: 1,511,898	142— 76: 1,511,898	173: 1,511,987	81: 1,511,420
145: 1,511,535	206: 1,511,564	143— 81: 1,511,540	143— 81: 1,511,540	173: 1,511,987	81: 1,511,420
37: 1,511,896	214: 1,511,958	144— 62: 1,511,686	144— 62: 1,511,686	173: 1,511,987	81: 1,511,420
27— 25: 1,511,671	52— 4: 1,511,771	145— 3.1: 1,511,315	145— 3.1: 1,511,315	173: 1,511,987	81: 1,511,420
28— 1: 1,511,212	53— 1: 1,511,435	146— 60: 1,511,226	146— 60: 1,511,226	173: 1,511,987	81: 1,511,420
38: 1,511,565	55— 17: 1,511,292	147— 259: 1,511,801	147— 259: 1,511,801	173: 1,511,987	81: 1,511,420
50: 1,511,447	63: 1,511,384	148— 154: 1,511,536	148— 154: 1,511,536	173: 1,511,987	81: 1,511,420
84: 1,511,463	422: 1,511,655			173: 1,511,987	81: 1,511,420
1,511,913				173: 1,511,987	81: 1,511,420

180— 26: 1,511,873	200— 113: 1,511,332	219— 63: 1,511,838	238— 20: 1,511,648	253— 136: 1,511,541	280— 10: 1,511,331
53: 1,511,968	122: 1,511,353	71: 1,511,276	175: 1,511,869	5: 1,511,263	33.5: 1,511,263
90: 1,511,969	131: 1,511,369	1: 1,511,613	210: 1,511,609	6: 1,511,625	61.5: 1,511,943
183— 2.5: 1,511,876	138: 1,511,708	1: 1,511,853	330: 1,511,546	43: 1,511,387	82: 1,511,938
2.7: 1,511,854	147: 1,511,332	9: 1,511,719	336: 1,511,367	98: 1,511,747	89: 1,511,942
32: 1,511,911	4: 1,511,461	1: 1,511,852	2: 1,511,647	111: 1,511,209	182: 1,511,924
77: 1,511,834	17: 1,511,590	17: 1,511,641	7: 1,511,684	120: 1,511,801	284— 4: 1,511,370
115: 1,511,800	1: 1,511,967	24: 1,511,427	41: 1,511,758	122: 1,511,803	285— 22: 1,511,529
184— 108: 1,511,250	19: 1,511,829	25: 1,511,610	44: 1,511,526	134: 1,511,802	24: 1,511,300
188— 2: 1,511,951	29: 1,511,230	97: 1,511,569	48.6: 1,511,412	11: 1,511,341	31: 1,511,884
32: 1,511,471	1: 1,511,826	82: 1,511,426	61: 1,511,247	22: 1,511,900	44: 1,511,577
36: 1,511,813	38: 1,511,271	97: 1,511,569	85: 1,511,594	22: 1,511,433	133: 1,511,417
74: 1,511,612	64: 1,512,008	62: 1,511,970	87: 1,511,914	35: 1,511,850	181: 1,511,723
77: 1,511,627	206— 16.5: 1,511,474	73.5: 1,511,752	128: 1,511,234	64: 1,511,466	82: 1,511,677
1,511,888	37: 1,511,585	95: 1,511,615	241— 9: 1,511,766	78: 1,511,385	53: 1,511,910
78: 1,511,976	46: 1,512,000	100: 1,511,986	242— 6: 1,511,579	78: 1,511,640	84: 1,511,632
112: 1,511,556	59: 1,511,848	104: 1,511,821	70: 1,511,285	111: 1,511,421	288— 1: 1,511,397
129: 1,511,264	93: 1,511,631	222— 4: 1,511,446	150: 1,511,872	128: 1,511,275	290— 22: 1,511,491
204: 1,511,394	96: 1,511,350	224— 5: 1,511,259	157: 1,511,356	180: 1,511,722	48: 1,511,492
209: 1,511,811	49: 1,511,831	29: 1,511,304	1: 1,511,622	225: 1,511,856	40: 1,511,231
259: 1,511,885	66: 1,511,619	19: 1,511,337	2: 1,511,689	259— 91: 1,511,679	172: 1,511,956
189— 14: 1,511,679	163: 1,511,726	80: 1,511,944	14: 1,511,666	260— 33: 1,511,919	204: 1,511,216
190— 6: 1,511,907	13: 1,511,851	84: 1,511,724	20: 1,511,646	166: 1,511,646	255: 1,511,322
191— 8: 1,511,253	27: 1,511,508	84: 1,511,743	25: 1,511,448	261— 118: 1,511,749	263: 1,511,295
29: 1,511,600	29: 1,511,812	95: 1,511,644	30: 1,511,489	262— 7: 1,511,957	341: 1,511,368
44.1: 1,511,379	57: 1,511,297	29: 1,511,580	31: 1,511,513	13: 1,511,880	294— 27: 1,511,249
192— 33: 1,511,232	58: 1,511,774	7: 1,511,915	1: 1,511,667	49: 1,511,681	50: 1,511,545
77: 1,511,776	89: 1,511,796	11: 1,511,282	1: 1,511,691	264— 21: 1,511,583	90: 1,511,690
114: 1,511,651	141: 1,511,859	19: 1,511,328	2: 1,511,815	265— 6: 1,511,331	296— 14: 1,511,728
122: 1,511,847	112: 1,511,532	23: 1,511,790	128: 1,511,327	11: 1,511,998	30: 1,511,407
195— 6: 1,511,754	214— 1: 1,511,358	29: 1,511,441	192: 1,511,611	20: 1,511,272	97: 1,511,687
197— 9: 1,512,001	18: 1,511,782	73: 1,511,948	294: 1,511,918	34: 1,511,404	103: 1,511,844
51: 1,511,676	38: 1,511,244	81: 1,511,886	2: 1,511,636	44: 1,511,549	116: 1,511,570
64: 1,511,470	132: 1,511,437	92: 1,511,933	20: 1,511,372	1: 1,511,704	83: 1,512,009
126: 1,511,845	81: 1,511,757	11: 1,511,517	28: 1,512,003	41: 1,511,630	114: 1,511,940
135: 1,511,222	160: 1,511,299	27: 1,511,376	41: 1,511,630	65: 1,511,924	141: 1,511,215
198— 29: 1,511,401	216— 55: 1,511,235	30: 1,511,468	249— 1: 1,511,956	29: 1,511,436	29: 1,511,511
168: 1,511,221	7: 1,511,454	11: 1,511,971	3: 1,511,794	1: 1,511,697	32: 1,511,713
199— 1: 1,511,733	19: 1,511,606	4: 1,511,482	250— 41: 1,511,935	21: 1,511,485	40: 1,511,659
66: 1,511,571	44: 1,511,310	41: 1,511,311	251— 14: 1,511,544	19: 1,511,714	52: 1,511,294
200— 9: 1,511,329	10: 1,511,849	1: 1,511,527	27: 1,511,833	61: 1,511,601	105: 1,511,291
50: 1,511,408	19: 1,511,443	35: 1,511,270	77: 1,511,302	38: 1,511,398	24: 1,511,260
58: 1,511,280	25: 1,511,269	21: 1,511,574	84: 1,511,692	1: 1,511,800	6: 1,511,573
59: 1,511,502	1: 1,511,382	35: 1,511,270	132: 1,511,830	9: 1,511,554	13: 1,511,293
66: 1,511,866	38: 1,511,553	87: 1,511,945	144: 1,511,515	18: 1,511,974	1,511,499
67: 1,511,869	1,511,770	96: 1,511,234	253— 17: 1,511,364	27: 1,511,760	

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Alden Manufacturing Company, Springfield, Mass. Sockets for holding vacuum tubes and adapted for receiving vacuum tubes. 190,803; Oct. 21.
- Aloka Chemical Corporation, Chicago, Ill. Paint and enamel remover. 190,714; Oct. 21; Serial No. 195,853; published July 22, 1924.
- American Catholic Mixed Bakery Co. (See Kuziak, Edward.)
- Anheuser-Busch, Inc., St. Louis, Mo. Corn sugar. 190,695; Oct. 21; Serial No. 192,054; published Aug. 5, 1924.
- Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electrical cookers. 190,676; Oct. 21; Serial No. 188,516; published Aug. 5, 1924.
- Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electrical cookers. 190,677; Oct. 21; Serial No. 188,514; published Aug. 5, 1924.
- Aspegren & Co., Inc., New York, N. Y. Salad oil. 190,732; Oct. 21; Serial No. 198,006; published Aug. 12, 1924.
- Associated Oil Company, San Francisco, Calif. Petroleum products. 190,781; Oct. 21.
- Atlantic Coast Poultry Producers Association, New York, N. Y. Eggs and poultry products. 190,758-9; Oct. 21; Serial Nos. 184,578-9; published Aug. 12, 1924.
- Atlantic & Pacific Radio Co. (See Taub, Morris.)
- Ballard & Ballard Co., Louisville, Ky. Stock, poultry, and chick feed. 190,757; Oct. 21; Serial No. 178,890; published Aug. 12, 1924.
- Ballard & Ballard Co., Louisville, Ky. Self-rising flour. 190,763; Oct. 21; Serial No. 198,782; published Aug. 12, 1924.
- Barton Salt Company, The, Hutchinson, Kans. Monthly magazines. 190,663; Oct. 21; Serial No. 193,890; published Aug. 5, 1924.
- Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 190,791; Oct. 21.
- Benjamin Electric Manufacturing Company, Chicago, Ill. Push-button switches for automobiles. 190,654; Oct. 21; Serial No. 198,109; published Aug. 5, 1924.
- Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Dress, negligee, and work shirts. 190,794; Oct. 21.
- Berna Watch Co., S. A., St. Imier, Switzerland. Watches, watch movements, cases, and dials. 190,678; Oct. 21; Serial No. 187,373; published Aug. 5, 1924.
- Bigelow Bruno Mfg. Co., The, Chicago, Ill. Timers for combustion engines. 190,796; Oct. 21.
- Brandes, C. Inc., New York, N. Y. Radio receiving sets, telephone head sets, etc. 190,802; Oct. 21.
- Bochbinder, Benjamin, New York, N. Y. Paints and varnishes. 190,710; Oct. 21; Serial No. 196,290; published July 22, 1924.
- Buffalo Auto Bumper Co. (See Harris, Joseph B.)
- Burt, Harry B., Youngstown, Ohio. Ice-cream suckers. 190,701; Oct. 21; Serial No. 188,528; published Aug. 5, 1924.
- Carpenter Cook Company, Menominee, Mich. Canned goods, teas, candy, etc. 190,756; Oct. 21; Serial No. 177,961; published Aug. 12, 1924.
- Cave, Francis A., Boston, Mass. Scientific journal. 190,649; Oct. 21; Serial No. 198,173; published Aug. 5, 1924.
- Central Food Products Company, Chicago, Ill. Shortening compound. 190,686; Oct. 21; Serial No. 159,648; published Aug. 5, 1924.
- Chase, Mabel E., Los Angeles, Calif. Periodical publication. 190,653; Oct. 21; Serial No. 108,113; published Aug. 5, 1924.
- Cheney Lime Company, Allgood, Ala. Lime. 190,700; Oct. 21; Serial No. 189,099; published Aug. 5, 1924.
- Chicago Shopping News Assn., The. (See William, Edwyed H.)
- Clark, Fred G., Company, The, Cleveland, Ohio. Lubricating oils and greases. 190,702; Oct. 21; Serial No. 198,289; published July 22, 1924.
- Cleveland Fruit Juice Company, The, Cleveland, Ohio. Preserved fruit mixture. 190,741; Oct. 21; Serial No. 186,774; published Aug. 12, 1924.
- Cohn Hall Marx Co., New York, N. Y. Domestic cotton broadcloth in the piece. 190,778; Oct. 21.
- Columbia Naval Stores Company, New York, N. Y. Turpentine. 190,766; Oct. 21; Serial No. 104,909; published June 3, 1924.
- Columbia Varnish Company, Los Angeles, Calif. Ready-mixed paints, varnishes, and paint enamels. 190,768; Oct. 21; Serial No. 193,274; published June 17, 1924.
- Columbus Washboard Company, The, Columbus, Ohio. Washboards. 190,799; Oct. 21.
- Compo Company, Limited, Lachine, Quebec, Canada. Talking-machine records. 190,698; Oct. 21; Serial No. 190,534; published Aug. 5, 1924.
- Cook, H. N., Belting Company, San Francisco, Calif. Inner liners for shoes. 190,792; Oct. 21.
- Covell, George F., Modesto, Calif. Fresh grapes. 190,788; Oct. 21.
- Crawford-Austin Manufacturing Co., Waco, Tex. Camp furniture. 190,652; Oct. 21; Serial No. 198,121; published Aug. 5, 1924.
- Deheco Enameling Company, The, Kansas City, Mo. Paint solvents, paint enamels, and varnishes. 190,709; Oct. 21; Serial No. 196,307; published July 22, 1924.
- Denver Alfalfa Milling & Products Co., The, Lamar, Colo. Alfalfa meal. 190,738; Oct. 21; Serial No. 197,326; published Aug. 19, 1924.
- Dependable Bakers Associated, Brooklyn, N. Y. Bread. 190,775; Oct. 21.
- Devroe & Reynolds Co., Inc., New York, N. Y. Putty. 190,765; Oct. 21; Serial No. 197,712; published Aug. 19, 1924.
- Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Tomato paste. 190,672; Oct. 21; Serial No. 196,159; published Aug. 5, 1924.
- Dorsch, Peter M., doing business as White Cross Bakery, Washington, D. C. Bread. 190,762; Oct. 21; Serial No. 198,060; published Aug. 12, 1924.
- Dry Buttermilk Company, Waseca, Minn. Buttermilk powder. 190,730; Oct. 21; Serial No. 198,792; published Aug. 12, 1924.
- Dunhill Tailored Clothes, Inc., New York, N. Y. Men's suits and overcoats. 190,787; Oct. 21.
- Ecko Products Company, Pittsburgh, Pa. Medicinal preparation for impotency. 190,718; Oct. 21; Serial No. 194,265; published July 22, 1924.
- Elevator Milling Co., Springfield, Ill. Cream meal, grits, corn flour, and pearl hominy. 190,739; Oct. 21; Serial No. 194,854; published Aug. 12, 1924.
- Factory Oil Company, The, Akron, Ohio. Gasoline, kerosene, etc. 190,707; Oct. 21; Serial No. 196,450; published July 22, 1924.
- Factory Oil Company, The, Akron, Ohio. Gasoline, kerosene, etc. 190,708; Oct. 21; Serial No. 196,446; published July 22, 1924.
- Farber Brothers, New York, N. Y. Silver-plated hollow ware. 190,681; Oct. 21; Serial No. 180,924; published Aug. 5, 1924.
- Farnsworth, Daniel W., Montclair, N. J., and New York, N. Y. Woolen piece goods and pure woolen blankets. 190,780; Oct. 21.
- Federal Oil Company, Minneapolis, Minn. Lubricating oil. 190,722; Oct. 21; Serial No. 195,270; published July 22, 1924.
- Federal Oil Company, Minneapolis, Minn. Gasoline. 190,723; Oct. 21; Serial No. 195,271; published July 22, 1924.
- Flrth, John, New York, N. Y. Radio jack plugs. 190,680; Oct. 21; Serial No. 186,703; published Aug. 5, 1924.
- Fischer, G. H., & Co., Glendale, N. Y. Variometers, etc., for radio receiving sets. 190,660; Oct. 21; Serial No. 194,532; published Aug. 5, 1924.
- Ford, Bacon & Davis, Inc., New York, N. Y. Periodical. 190,690; Oct. 21; Serial No. 198,230; published Aug. 5, 1924.
- Forman & Co., New York, N. Y. Paper condensers, rheostats, loose couplers, etc. 190,801; Oct. 21.
- Francesconi, J. C., & Co., New York, N. Y. Olive oil. 190,736; Oct. 21; Serial No. 197,741; published Aug. 12, 1924.
- Fuller, W. P., & Co., San Francisco, Calif. Varnishes and paints. 190,750-1; Oct. 21; Serial Nos. 190,289-90; published July 22, 1924.
- Gardiner and Lewis, Inc., New York, N. Y. Asphalt paints. 190,719; Oct. 21; Serial No. 194,267; published July 22, 1924.
- Gateways, Inc., Newport News and Norfolk, Va. Paints, stains, varnish, etc. 190,721; Oct. 21; Serial No. 194,704; published July 22, 1924.
- Glidden Company, The, Cleveland, Ohio. Paints, varnishes, stains, etc. 190,716; Oct. 21; Serial No. 195,513; published July 22, 1924.
- Golden Eagle Buggy Company, The, Atlanta, Ga. Batteries and spark plugs. 190,806; Oct. 21.
- Gonzalez, Lucio, doing business as Lucio Gonzalez & Co., Azusa, Calif. Internal medicine for diphtheria. 190,783; Oct. 21.
- Goodrich, William O., Company, Milwaukee, Wis. Linseed oil. 190,713; Oct. 21; Serial No. 195,818; published July 22, 1924.
- Gould-Mercereau Company, The, Long Island City, N. Y. Spark plugs. 190,795; Oct. 21.
- Graham, Edward A., doing business as Alfred Graham & Co., London, England. Loud-speaking telephonic apparatus. 190,693; Oct. 21; Serial No. 193,830; published Aug. 5, 1924.
- Grob Food Products Co., New York, N. Y. Chocolate-flavored malted milk. 190,733; Oct. 21; Serial No. 198,406; published Aug. 12, 1924.

Hamilton Manufacturing Company, Seattle, Wash. Food-flavoring extracts. 190,731; Oct. 21; Serial No. 198,035; published Aug. 12, 1924.
 Harris and Birdseye, Inc., New York, N. Y. Radio receiving sets and parts thereof. 190,646; Oct. 21; Serial No. 195,685; published Aug. 5, 1924.
 Harris, Joseph B., doing business as Buffalo Auto Bumper Co., Buffalo, N. Y. Electric lights for bumpers. 190,804; Oct. 21.
 Hekman Biscuit Company, Grand Rapids, Mich. Cookie cakes and crackers. 190,727; Oct. 21; Serial No. 199,225; published Aug. 12, 1924.
 Holt, Paul C., doing business as Restora Polish Company, Boise, Idaho. Liquid polish and oil. 190,753; Oct. 21; Serial No. 191,487; published July 22, 1924.
 Impression Products Company, Wilmington, Del., and Coraopolis and Pittsburgh, Pa. Typewriter ribbons. 190,808; Oct. 21.
 International Brotherhood of Electrical Workers, Washington, D. C. Booklets and periodicals. 190,689; Oct. 21; Serial No. 198,357; published Aug. 5, 1924.
 International Feature Service, Inc., New York, N. Y. Newspaper section. 190,666; Oct. 21; Serial No. 198,068; published Aug. 5, 1924.
 International Rubber Co. of America, Anderson, Ind. Pneumatic-tire casings and tubes. 190,779; Oct. 21.
 Irving Drew Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. 190,674; Oct. 21; Serial No. 162,818; published June 24, 1924.
 Jones, R. H., & Sons, Birmingham, England. Jewelry. 190,683; Oct. 21; Serial No. 180,011; published Aug. 5, 1924.
 Katz & Ogush, Inc., New York, N. Y. Finger rings, bar pins, bracelets, etc. 190,797; Oct. 21.
 Katz & Ogush, Inc., New York, N. Y. Watches, watch movements, and watchcases. 190,798; Oct. 21.
 Kelley, Anderson W., executor for Joseph K. Nye estate, doing business as William F. Nye, New Bedford, Mass. Lubricating oil. 190,749; Oct. 21; Serial No. 188,757; published July 29, 1924.
 Kemp, J. L., Company, Milwaukee, Wis. Lubricating oil. 190,752; Oct. 21; Serial No. 190,791; published July 22, 1924.
 Kepec Company, The, Milwaukee, Wis. Protective liquid chemical. 190,746; Oct. 21; Serial No. 181,090; published July 22, 1924.
 King Features Syndicate, Inc., New York, N. Y. Newspaper section. 190,650; Oct. 21; Serial No. 198,142; published Aug. 5, 1924.
 King Features Syndicate, Inc., New York, N. Y. Newspaper cartoon. 190,651; Oct. 21; Serial No. 198,141; published Aug. 5, 1924.
 King Features Syndicate, Inc., New York, N. Y. Newspaper section. 190,655; Oct. 21; Serial No. 198,072; published Aug. 5, 1924.
 King Features Syndicate, Inc., New York, N. Y. Newspaper section. 190,664; Oct. 21; Serial No. 198,071; published Aug. 5, 1924.
 King Features Syndicate, Inc., New York, N. Y. Newspaper cartoon. 190,665; Oct. 21; Serial No. 198,070; published Aug. 5, 1924.
 Kuziak, Edward, doing business as American Catholic Mixed Bakery Co., New York, N. Y. Bread. 190,760; Oct. 21; Serial No. 193,714; published Aug. 12, 1924.
 Kwalitv Knit Wear Mills, New York, N. Y. Ties and scarfs. 190,784; Oct. 21.
 Langenberg Grain Co., St. Louis, Mo., and New Orleans, La. Yellow corn and white oats. 190,761; Oct. 21; Serial No. 197,379; published Aug. 12, 1924.
 Lavick, S. B., Co., Chicago, Ill. Gold-plated collar buttons. 190,644-5; Oct. 21; Serial Nos. 195,697-8; published Aug. 5, 1924.
 Lee, W. E., & Company, Inc., Plant City, Fla. Citrous fruits. 190,699; Oct. 21; Serial No. 189,904; published July 1, 1924.
 Lininger, Clarence, doing business as Lininger Radio Co., East Cleveland, Ohio. Complete radio receiving sets and parts thereof. 190,648; Oct. 21; Serial No. 195,583; published Aug. 5, 1924.
 Lubac Corporation, Chicago, Ill. Lubricating, etc. oils and rust remover. 190,772; Oct. 21; Serial No. 180,611; published Aug. 19, 1924.
 Magill, Samuel N., Inc., Philadelphia, Pa. Bloomers. 190,790; Oct. 21.
 Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Radio dials, keys, and receivers, telegraph keys, etc. 190,662; Oct. 21; Serial No. 193,842; published Aug. 5, 1924.
 Manz Engraving Company, Chicago, Ill. Printed literature. 190,694; Oct. 21; Serial No. 192,139; published Aug. 5, 1924.
 Marshall-Wellis Company, Duluth, Minn. Varnish, paints, and finishes. 190,715; Oct. 21; Serial No. 195,527; published July 22, 1924.
 Metropolitan Finance Corporation of California, Los Angeles, Calif. Petroleum products, vegetable grease lubricants, etc. 190,720; Oct. 21; Serial No. 194,462; published June 17, 1924.
 Montgomery, Wm., & Co., Philadelphia, Pa. Canned vegetables, fruits, and fish, jellies, corn flakes, etc. 190,742; Oct. 21; Serial No. 179,812; published Aug. 12, 1924.
 Morrison Fountain Pen Co., New York, N. Y. Fountain pens and pencils. 190,777; Oct. 21.

Morriss, Gene. Auto Painting System, Dover, Del., and Los Angeles, Calif. Paint enamels. 190,774; Oct. 21; Serial No. 191,236; published May 20, 1924.
 Moss, Edgar A., Marion, Ind. Heading for a newspaper column. 190,670-1; Oct. 21; Serial Nos. 196,179-80; published July 8, 1924.
 Mouquin Incorporated, New York, N. Y. Beverage and sirup for making the same. 190,805; Oct. 21.
 Murphy-McEuen Company, Chicago, Ill. Felt asphalt roofing. 190,685; Oct. 21; Serial No. 183,684; published Aug. 5, 1924.
 Nesselroth & Co., Inc., New York, N. Y. Clasps for necklaces. 190,684; Oct. 21; Serial No. 179,217; published Aug. 5, 1924.
 Nusbaum, D., & Co., Union Course, N. Y. Sweaters, bathing suits, knitted mittens, etc. 190,764; Oct. 21; Serial No. 192,490; published July 22, 1924.
 Nye, Joseph K., estate. (See Kelley, Anderson W., executor.)
 Nye, William F. (See Kelley, Anderson W., executor.)
 Oehmig-Weidlich, C. H., Zeltz, Germany. Hair oila and pomades, face paints and powders, etc. 190,673; Oct. 21; Serial No. 191,971; published Aug. 5, 1924.
 Old Town Woolen Co. Inc., Oldtown, Me. Blankets. 190,782; Oct. 21.
 Oriental Oil Company, Dallas, Tex. Gasoline, lubricating oil, and cup greases. 190,712; Oct. 21; Serial No. 195,902; published July 22, 1924.
 Owl Drug Company, The, San Francisco, Calif. Paints, varnishes, etc. 190,769; Oct. 21; Serial No. 188,323; published June 24, 1924.
 Owl Drug Company, The, San Francisco, Calif. Bronzing liquids, raw linseed oil, spirits of turpentine for technical use. 190,773; Oct. 21; Serial No. 166,399; published Jan. 9, 1923.
 Parisian Cloak Co., Kansas City, Mo. Dresses. 190,793; Oct. 21.
 Pennzoll Co. Inc., The, Buffalo, N. Y. Lubricants in oil and grease form. 190,711; Oct. 21; Serial No. 196,135; published July 22, 1924.
 Petersen & Pegan Baking Co., now by change of name P. F. Petersen Baking Company, Omaha, Nebr. Bread. 190,771; Oct. 21; Serial No. 185,986; published Feb. 12, 1924.
 Philadelphia Seed Company, Philadelphia, Pa. Bird food. 190,726; Oct. 21; Serial No. 199,243; published Aug. 12, 1924.
 Pierce, F. O., Company, New York, N. Y. Varnishes, polishes, colors, etc. 190,770; Oct. 21; Serial No. 188,215; published May 13, 1924.
 Pine Rub Company, The. (See Shemp, Russell N.)
 Pischinger, Oskar, Inc., New York, N. Y. Cakes, candies, pastry, etc. 190,737; Oct. 21; Serial No. 197,448; published Aug. 12, 1924.
 Plank Milling Co., Jeromesville, Ohio. Wheat flour. 190,764; Oct. 21; Serial No. 199,018; published Aug. 12, 1924.
 Ponsell Floor Machine Company, New York, N. Y. Electrically-operated floor scrubbing, polishing, scraping, and grinding machines. 190,675; Oct. 21; Serial No. 198,419; published Aug. 5, 1924.
 Potato Dog Corporation, Chicago, Ill. Article of food comprising meat baked in dough. 190,728; Oct. 21; Serial No. 199,127; published Aug. 12, 1924.
 Public Ledger Company, Philadelphia, Pa. Title for cartoons in newspaper publications. 190,688; Oct. 21; Serial No. 198,379; published Aug. 5, 1924.
 Red Hand Compositions Company Inc., New York, N. Y. Varnish. 190,703; Oct. 21; Serial No. 197,498; published July 22, 1924.
 Republic Varnish Company, Newark, N. J. Dry, paste, and ready-mixed paints, paint enamels, etc. 190,705; Oct. 21; Serial No. 196,713; published July 22, 1924.
 Restora Polish Company. (See Holt, Paul C.)
 Rome Wire Company, Rome, N. Y. Insulated electrical wire and cable. 190,668; Oct. 21; Serial No. 197,452; published Aug. 5, 1924.
 Ross, Frank B., Co. Inc., New York, N. Y. Carnauba wax. 190,767; Oct. 21; Serial No. 194,418; published June 24, 1924.
 Ryt-Oyl Lubricants Company, San Francisco, Calif. Lubricating oils, greases, etc. 190,747; Oct. 21; Serial No. 184,765; published July 22, 1924.
 Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 190,786; Oct. 21.
 Schwartz, John A., Inc., Brooklyn, N. Y. Household furniture. 190,789; Oct. 21.
 Seattle Lighting Fixture Co., Seattle, Wash. Lighting fixtures. 190,607; Oct. 21; Serial No. 197,088; published August 5, 1924.
 Seelig, Sam., Co., Los Angeles, Calif. Canned olives and tea. 190,740; Oct. 21; Serial No. 187,543; published Aug. 12, 1924.
 Shemp, Russell N., doing business as The Pine Rub Company, Philadelphia, Pa. Ointment. 190,809; Oct. 21.
 Sheratone Products Corporation, New York, N. Y. Finishing and polishing materials. 190,717; Oct. 21; Serial No. 198,546; published July 22, 1924.
 Sheratone Products Corporation, New York, N. Y. Finishing and polishing materials. 190,755; Oct. 21; Serial No. 193,545; published July 22, 1924.
 Sholes, H. A., & Co., Chicago, Ill. Seeds. 190,810; Oct. 21.
 Shwartz & Noble, Philadelphia, Pa. Cotton flannels in piece goods. 190,785; Oct. 21.

Sipe, James B., & Company, Pittsburgh, Pa. Paste paints. 190,744; Oct. 21; Serial No. 179,324; published July 22, 1924.
 Sipe, James B., & Company, Pittsburgh, Pa. Synthetic turpentine. 190,745; Oct. 21; Serial No. 179,330; published July 22, 1924.
 Smith, Frank J., New York, N. Y. Ironing-board covers. 190,800; Oct. 21.
 Smith, Provost and Smith, Washington, D. C. Edible baked batter food product. 190,725; Oct. 21; Serial No. 190,329; published Aug. 12, 1924.
 Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 190,704; Oct. 21; Serial No. 197,400; published July 22, 1924.
 Standard Olive Oil Company, Inc., New York, N. Y. Olive oil. 190,735; Oct. 21; Serial No. 197,843; published Aug. 12, 1924.
 Starr Piano Company, The, Richmond, Ind. Phonographs, sound boxes, tone-arms, etc. 190,807; Oct. 21.
 Stehl Silks Corporation, New York, N. Y. Silk piece goods. 190,776; Oct. 21.
 Superior Motor Parts Company, Pittsburgh, Pa. Engines, pistons, timing gears, etc. 190,682; Oct. 21; Serial No. 180,778; published Aug. 5, 1924.
 Swedish Produce Co., The, Chicago, Ill. Bread. 190,729; Oct. 21; Serial No. 198,890; published Aug. 12, 1924.
 Taub, Morris, doing business as Atlantic & Pacific Radio Co., New York, N. Y. Radio parts. 190,697; Oct. 21; Serial No. 191,580; published Aug. 5, 1924.
 Ternstedt Manufacturing Company, Detroit, Mich. Vehicle body hardware. 190,696; Oct. 21; Serial No. 191,925; published Aug. 5, 1924.
 Thomsen-Ellis Company, Baltimore, Md. Reproductions of pictures, photographs, drawings, etc. 190,692; Oct. 21; Serial No. 198,201; published Aug. 5, 1924.
 Tullite Auto Bulb Company, New York, N. Y. Incandescent electric bulbs. 190,687; Oct. 21; Serial No. 195,487; published Aug. 5, 1924.
 United Manufacturing & Distributing Company, Chicago, Ill. Radio receiving sets. 190,681; Oct. 21; Serial No. 194,891; published Aug. 5, 1924.

Ward Bros. Co. Inc., Buffalo, N. Y. Bread. 190,724; Oct. 21; Serial No. 178,153; published Aug. 12, 1924.
 Warner, Inc., Chicago, Ill. Printing ink. 190,669; Oct. 21; Serial No. 197,309; published Aug. 5, 1924.
 Warren Refining & Chemical Company, The, Cleveland, Ohio. Lubricating oils. 190,748; Oct. 21; Serial No. 186,035; published Dec. 11, 1923.
 Weeks, Joseph W., New York, N. Y. Jewelry. 190,647; Oct. 21; Serial No. 195,666; published Aug. 5, 1924.
 Western Reserve Oil Company, The, Cleveland, Ohio. Kerosene, gasoline, lubricating oils, and greases. 190,743; Oct. 21; Serial No. 171,479; published May 1, 1923.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 190,656; Oct. 21; Serial No. 198,920; published Aug. 5, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 190,657; Oct. 21; Serial No. 198,915; published Aug. 5, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 190,658; Oct. 21; Serial No. 198,913; published Aug. 5, 1924.
 White Cross Bakery. (See Dorsch, Peter M.)
 White, Ray B., doing business as R. B. White Co., Big Wells, Tex. Fresh vegetables. 190,659; Oct. 21; Serial No. 195,060; published July 22, 1924.
 Williams, Ednyfed H., doing business as The Chicago Shopping News Assn., Chicago, Ill. Periodicals. 190,691; Oct. 21; Serial No. 198,204; published Aug. 5, 1924.
 Woodhead Lumber Company, Los Angeles, Calif. Lumber, sash doors, roofing paper, and shingles. 190,679; Oct. 21; Serial No. 187,075; published Aug. 5, 1924.
 Woodrow, James, doing business as James Woodrow & Company, Independence, Kans. Lubricating oils. 190,706; Oct. 21; Serial No. 190,563; published July 22, 1924.
 Workman, Thomas T., doing business as T. Workman, Indianapolis, Ind. Chocolate sirup for food purposes. 190,734; Oct. 21; Serial No. 197,910; published Aug. 12, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abercrombie & Fitch Co., Inc., New York, N. Y. Shoes, hats, coats, knickerbockers, etc., for men and women. 197,979; Oct. 21.
 Adelson, Abe N., New York, N. Y. Hats for women. 200,741; Oct. 21.
 Alabama Overall Co., Scottsboro, Ala. Overalls and jumpers. 199,738; Oct. 21.
 Allen, Roy E., New York, N. Y. Medicinal preparation for stomach disorders, etc. 201,685; Oct. 21.
 American Beslin Corporation, New York, N. Y. Medicinal solution. 201,217; Oct. 21.
 American Chicle Company, Long Island City, N. Y. Chewing gum. 202,315; Oct. 21.
 American Rapidase Company, Inc., New York, N. Y. Diastatic preparation used for sizing, etc., of fabrics and for the production of sizings and soluble starches. 201,915; Oct. 21.
 Anzoine Products Company, St. Louis, Mo. Chemical motor-fuel ingredient. 202,481; Oct. 21.
 Associated Products. (See Leo, D. C., & Company.)
 Atlantic Salt Co., Boston, Mass. Bathing salt. 199,205; Oct. 21.
 Automotive Specialty Corporation, The, New York, N. Y. Automobiles and parts thereof. 202,273; Oct. 21.
 Badminton Distemper Cure Company Limited, Westminster, England. Chemical compound for veterinary purposes. 199,517; Oct. 21.
 Bahnsen, C., & Co., Inc., New York, N. Y. Wool-velour coating piece goods. 186,589; Oct. 21.
 Baier, Albert J., Weehawken, N. J. Remedy for head lice and other vermin. 202,160; Oct. 21.
 Bakers Service Bureau, Inc., New York, N. Y. Bread. 178,656; Oct. 21.
 Banks Hat, Incorporated, New York, N. Y. Hats for ladies and children. 198,979; Oct. 21.
 Bates, Coral E., doing business as Tokalon, New York, N. Y. Complexion powders. 201,483; Oct. 21.
 Bergstrom, Roy H., Seattle, Wash. Steel and iron bars. 196,899; Oct. 21.
 Berkshire Cotton Manufacturing Company, Adams, Mass. Brown and bleached cotton piece goods. 199,603; Oct. 21.
 Big 4 Hand Lotion Company. (See Roersma, William J.)
 Bird, James C., doing business as Robert A. Bird & Company, Glasgow, Scotland. Lithopone. 200,708; Oct. 21.
 Birdsey Flour Mills, Macon, Ga. Self-rising wheat flour. 201,738; Oct. 21.
 Bo-Ko Health Laboratory. (See Hladky, Frank M.)
 Bowes "Seal Fast" Corporation, Indianapolis, Ind. Automobile polish. 200,179; Oct. 21.

Braudes, C., Inc., New York, N. Y. Radio receiving sets, telephone head sets, etc. 201,486; Oct. 21.
 Cain, John M., Sedalia, Mo. Preparation for treatment of eczema. 201,832; Oct. 21.
 Carolina Retailer Publishing Company, The, Winston-Salem, N. C. Monthly periodical. 201,542; Oct. 21.
 Clinch Manufacturing Co., Inc., Sidney, N. Y. Cleaning composition. 201,540; Oct. 21.
 Clemons, C., Produce Co., Kansas City, Mo. Potatoes and fresh vegetables. 196,234; Oct. 21.
 Cleveland Varnish Company, The, Cleveland, Ohio. Varnishes, lacquers, varnish enamels, etc. 195,213; Oct. 21.
 Clinard, John W., doing business as Clinard Milling Company, High Point, N. C. Wheat flour. 192,209; Oct. 21.
 Clinical Laboratories Company, The, Cleveland, Ohio. Antiseptic preparations. 202,004; Oct. 21.
 Coles, Geo. S., doing business as The Omar Health Products Co., Berkeley, Calif. Bread. 201,544; Oct. 21.
 Collegiate World Publishing Company, The, Chicago, Ill. Magazine. 200,808; Oct. 21.
 Comstock, Stephen E., doing business as S. E. Comstock & Co., Newark, N. Y. Canned fresh fruits and vegetables. 198,116; Oct. 21.
 Constructive Publishing Corporation, New York, N. Y. Monthly magazine. 202,440; Oct. 21.
 Continental Ceramics Corporation, New York, N. Y. Porcelain and china ware of all kinds. 202,099; Oct. 21.
 Converse Rubber Shoe Co., Malden, Mass. Rubber shoes. 201,077-8; Oct. 21.
 Convertex Corporation, The, New York, N. Y. Cotton print cloth in the piece. 200,712; Oct. 21.
 Corning Glass Works, Corning, N. Y. Vases, bowls, jugs, etc. 201,023; Oct. 21.
 Corso, Anthony R., doing business as The Treymontes Mfg. Co., Brooklyn, N. Y. Hair tonics. 202,051; Oct. 21.
 Crane, John T., Los Angeles, Calif. Brake linings. 201,697; Oct. 21.
 Crenshaw, Aaron L., doing business as Golden Dream Beauty Laboratories Company, Dallas, Tex. Complexion clay. 201,222; Oct. 21.
 Crofts & Reed Co., Chicago, Ill. Soap. 197,869; Oct. 21.
 Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Soaps, soap pastes, and soap powders. 199,977; Oct. 21.
 Debenedetti, J. L., San Francisco, Calif. Fresh artichokes. 201,287; Oct. 21.

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De Bruyn, Marius, doing business as M. de Bruyn Importing Co., New York, N. Y. Prepared foods. 199,828; Oct. 21.

Dental Products Laboratories, Inc., Los Angeles, Calif. Pyorrhea treatment, tooth paste and powder, etc. 201,546; Oct. 21.

Develon, Thomas, Jr., Philadelphia, Pa. Wilton rugs. 197,017; Oct. 21.

Dickerson, Andrew J., doing business as Square Deal Electric Company, Akron, Ohio. Electrical storage batteries and parts. 201,654; Oct. 21.

Douglas, Lester, New York, N. Y. Children's books. 191,533; Oct. 21.

Eastern States Farmers' Exchange, Springfield, Mass. Mixed feed for cattle. 182,140; Oct. 21.

Elaterite Refining Company. (See Harris, Ray D.)

Elltwerke Aktiengesellschaft, Abteilung Diamantwerke, Siegmars, Germany. Manually and power operated knitting and winding machines, etc. 190,722; Oct. 21.

Embalming Fluid Manufacturers Association, The, Boston, Mass. Embalming fluid. 182,239; Oct. 21.

Enid Frocks, Inc., New York, N. Y. Dresses, coats, brassieres, etc. 190,050; Oct. 21.

Etablissements Chané & Dumail, Paris, France. Hemp, flax, cotton, and jute fabrics. 195,435-9; Oct. 21.

Etablissements Gaston Verdier (Société Anonyme), Meaux, Seine-et-Marne, France. Stockings, socks, and half stockings. 191,045; Oct. 21.

Exclusive Company, The, Philadelphia, Pa. Greeting cards. 202,055; Oct. 21.

Exhibit Supply Company, The. (See Meyer, John F.)

Fiberloid Corporation, The, Indian Orchard, Mass. Nail files, clippers, and polishers, cuticle knives, etc. 187,616; Oct. 21.

Filmoff Company of America, Inc., New York, N. Y. Chemical preparation used for curling and waving the hair. 201,927; Oct. 21.

Fire Creek Coal Company, Inc., The, New York, N. Y. Coal. 200,438; Oct. 21.

Fisher Bros. Paper Company, Fort Wayne, Ind. Brooms, brushes, dusters, mops, and mop heads. 200,878; Oct. 21.

Franklin Pharmaceutical Company, Elkhart, Ind. Laxative medicine. 201,932; Oct. 21.

Ganow, Stacy B., Caldwell, N. J. Lubricating ointment. 201,839; Oct. 21.

Gavza, Paul, New York, N. Y. Laxative and liver regulator. 202,106; Oct. 21.

General Plate Company, Attleboro, Mass. Ferrous and nonferrous alloys. 193,393; Oct. 21.

Giant Paint Products Co., Los Angeles, Calif. Paints, paint enamels, varnishes, etc. 200,552; Oct. 21.

Gibson, Robert M., Des Moines, Iowa. Skin lotions. 201,551; Oct. 21.

Gilde Manufacturing Company, Chicago, Ill. Automobile lamps. 201,840; Oct. 21.

Golden Dream Beauty Laboratories Company. (See Crenshaw, Aaron L.)

Gravater Manhattan Knitting Mills, Inc., New York, N. Y. Ladies' sweater coats. 200,492; Oct. 21.

Griffith-Hope Company, Milwaukee, Wis. Dash lights. 201,342; Oct. 21.

Grover, Norard, Los Angeles, Calif. Woolen billiard cloth. 199,001; Oct. 21.

Gulbe Motor Lamp Manufacturing Company, The, Cleveland, Ohio. Electric lamps for automobiles and motor vehicles of all kinds. 197,810; Oct. 21.

Gushurst, Fred W., doing business as Lorraine Company, Denver, Colo. Toilet preparations. 201,846; Oct. 21.

Gustin, Max, doing business as Max Gustin Co., New York, N. Y. Slippers. 197,663; Oct. 21.

Guzy, Charles, doing business as Chas. Guzy Mfg. Co., Wilkes-Barre, Pa. Babies' wear. 198,234; Oct. 21.

Hagerstown Shoe & Luggage Co., Inc., Hagerstown, Md. Leather soles for shoes for infants and children. 176,544; Oct. 21.

Hanly, John A., St. Paul, Minn. Medicinal compound. 198,305; Oct. 21.

Harris, Ray D., doing business as Elaterite Refining Company, Vernon, Calif. Refined elaterites, mineral rubbers, insulating compounds, etc. 195,059; Oct. 21.

Hawkeye Oil Company, The, Waterloo, Iowa. Gasoline. 183,148-9; Oct. 21.

Hebron Roller Mills, Hebron, N. Dak. Whole-wheat and Graham flour. 186,184; Oct. 21.

Herzog, John, & Son, Forest, Ohio. Hydrated finish and lime. 200,620; Oct. 21.

Hetson-Sommers Co., Inc., New York, N. Y. Waterproofing and dampproofing compounds, roofing liquids and cements, etc. 197,875; Oct. 21.

Higginbotham-Bailey-Logan Company, Dallas, Tex., and New York, N. Y. Chambray, gingham, handkerchiefs, etc. 198,745; Oct. 21.

High Grade Hair Co., New York, N. Y. Henna preparations for coloring the hair. 196,704; Oct. 21.

Hill, William H., St. Louis, Mo. Paint remover. 200,610; Oct. 21.

Hip Hold Corset Corporation, New York, N. Y. Corsets, girdles, and health belts. 200,989; Oct. 21.

Hladky, Frank M., doing business as Bo-Ko Health Laboratory, Cleveland, Ohio. Liniment, laxative salts, headache powders, etc. 193,834; Oct. 21.

Homestead Corporation, The. (See Uhrl, Edw. W.)

Ingalls, E. P., Laboratories, Providence, R. I. Preparations for treatment of pyorrhea. 201,848; Oct. 21.

International Milling Company, Minneapolis, Minn. Wheat flour. 198,639; Oct. 21.

Jacobs Brothers, Baltimore, Md. Dresses and nurses' and maids' uniforms. 201,562; Oct. 21.

Jameson-Hevener Company, St. Paul, Minn. Dairy food. 199,427; Oct. 21.

Joannot Fils & Cie., Paris, France. Combs. 199,801-2; Oct. 21.

Jones, Howard L., doing business as Pa-Po Laboratories, Los Angeles, Calif. Hair grower. 198,460; Oct. 21.

Katz, Herman, Oakland, Calif. Preparation for treatment of eyes. 199,479; Oct. 21.

Kaufmann, Max, & Co., Inc., New York, N. Y. Piece fabrics of mixed silk and cotton. 171,175; Oct. 21.

Kelsey Textile Corporation, New York, N. Y. Cotton piece goods. 185,756; Oct. 21.

Klipstein, A., & Company, New York, N. Y. Caustic potash. 202,067; Oct. 21.

Köln-Rottwell Aktiengesellschaft, Berlin, Germany. Yarn, thread, and floss. 168,423; Oct. 21.

Kress House Moving Company, Inc., Los Angeles, Calif. Door butts. 200,562; Oct. 21.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Salt. 202,122; Oct. 21.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Gas mantles. 202,123; Oct. 21.

Kummer, Upmann & Co., New York, N. Y. Cotton piece goods. 200,820; Oct. 21.

Lamport Mfg. Supply Co., Inc., New York, N. Y. Linen, canvas, cotton, and sailcloth in the piece. 188,422; Oct. 21.

Lang Knitting Mills, Inc., New York, N. Y. Knitted silk fabrics of silk and artificial silk. 200,997; Oct. 21.

Langheir, James C., doing business as Northwest Rug Company, Portland, Oreg. Textile rugs. 200,949; Oct. 21.

Lawrenz, William F., Long Beach, Calif. Teeth-cleaning band or strip. 201,354; Oct. 21.

Lawrenz, William F., Long Beach, Calif. Device for holding a tooth-cleaning strip or band. 201,355; Oct. 21.

Leathers, A. H., doing business as A. H. Leathers Manufacturing Company, Dickson, Tenn. Baseball bats. 199,234; Oct. 21.

Leigh, Chemist, Inc., New York, N. Y. Face powders and creams, perfumes, hair tonics and oils, etc. 201,567; Oct. 21.

Leo, D. C., & Company, doing business as Associated Products, Des Moines, Iowa. Gas and dyspepsia tablets. 201,092; Oct. 21.

Leisher, Whitman & Co., Inc., New York, N. Y. Draperies, valances, curtains, window shades, and bedspreads. 201,458; Oct. 21.

Lever Brothers Company, Cambridge, Mass. Talcum and face powders, cold and dental creams, etc. 187,470; Oct. 21.

Liberty Bell Manufacturing Co., Minerva, Ohio. Electric bells. 201,614; Oct. 21.

Liberty Glass Company, Sapulpa, Okla. Glass milk bottles and cottage-cheese containers. 201,667; Oct. 21.

Linen Thread Company, The, Paterson, N. J., and New York, N. Y. Thread. 200,564-6; Oct. 21.

Lingel, Eduard, Schuhfabrik A.-G., Erfurt, Germany. Shoes. 183,335; Oct. 21.

Lloyd, Stephen A., Anderson, Ind. Worm powder for hogs. 198,191; Oct. 21.

London Feather Novelty Company, New York, N. Y. Ladies' hats. 192,184; Oct. 21.

Longoria, M. G., Seville, Spain. Olive oil. 201,615; Oct. 21.

Lorraine Company. (See Gushurst, Fred W.)

Lovina Chemical Co. (See Nopper, Mrs. Charles.)

Lowitt, A., & Co., Inc., New York, N. Y. Children's coats. 195,752; Oct. 21.

Mack, William, doing business as Wheatonast Company, New York, N. Y. Cereal food. 201,766; Oct. 21.

Magnavox Co., The, Oakland, Calif. Electric lamps. 202,130; Oct. 21.

Marleo Chemical Co. (See Sprenger, Magdalen M.)

Maryland Baking Company, Baltimore, Md. Ice-cream cones. 202,068; Oct. 21.

McDonald, J. G., Chocolate Company, Salt Lake City, Utah. Candy. 202,213; Oct. 21.

McFranklin, Carl G., Chicago, Ill. Facial cream. 197,551; Oct. 21.

Meyer, John F., doing business as The Exhibit Supply Company, Chicago, Ill. Coin-operated moving-picture-viewing machines. 201,769; Oct. 21.

Middle West Hat Mfg. Co., The, Cleveland, Ohio. Men's hats. 180,138; Oct. 21.

Miguel, J. A., Inc., Bergen, N. J., and New York, N. Y. Silk and wool piece goods. 201,461; Oct. 21.

Mitchell Bros. Inc., New York, N. Y. Cotton fabrics. 199,076; Oct. 21.

Moore, W. W., Company, Sharon, Pa. Ladies' and children's coats, suits, skirts, etc. 199,238; Oct. 21.

Moshelm, Albert, New York, N. Y. Powders, rouges, lip sticks, etc. 190,540; Oct. 21.

Moto-Cleus Oil Company. (See Shaner, Edgar M.)

Moulton, Oil & Refining Co., The, Minneapolis, Minn. Gasoline. 200,632; Oct. 21.

Muller, Franklin E., Inc., Waukegan, Ill. Stucco, composition flooring, plaster, etc. 201,971; Oct. 21.

Murphy, Gene, doing business as Gene Murphy, Los Angeles, Calif. Shirts, neckties, collars, etc. 194,935; Oct. 21.

Mutual Thread Company, New York, N. Y. Threads and yarns. 199,565; Oct. 21.

Nafziger Baking Company, Kansas City, Mo. Bread. 201,852; Oct. 21.

Nassar, Mansur M., Cincinnati, Ohio. Ointment for piles. 202,576; Oct. 21.

Nassar, Mansur M., Cincinnati, Ohio. Ointment for eczema. 202,577; Oct. 21.

National Drug and Chemical Company of Canada, Limited, Montreal, Quebec, Canada. Antipyretic and antirheumatic tablets. 202,074; Oct. 21.

National Eggroscopo Corp., New York, N. Y. Egg testers. 201,151; Oct. 21.

National Glove Company, Columbus, Ohio. Work gloves. 199,433; Oct. 21.

New Rochelle Coal & Lumber Co., New Rochelle, N. Y. Lumber, asphalt, cement, gypsum, and lime. 196,255; Oct. 21.

New York Gecco Company, The, Brockton, Mass. Hosiery. 199,014; Oct. 21.

Nier, Henry, San Francisco, Calif. Complexion clay, cold cream, skin tonic, etc. 200,008; Oct. 21.

Nopper, Mrs. Charles, doing business as Lovina Chemical Co., Toledo, Ohio. Preparation for colic, headache, colds, etc. 200,894; Oct. 21.

Northwest Rug Company. (See Langheir, James C.)

Old Town Woolen Co., Inc., Oldtown, Me. Wool and mixed cotton and wool blankets. 197,677; Oct. 21.

Old Town Woolen Co., Inc., Oldtown, Me. Wool and mixed cotton and wool blankets. 197,679; Oct. 21.

Osakeyhtio Savo, Ltd., Kuopio, Finland. Matches. 198,083; Oct. 21.

Omar Health Products Co., The. (See Coles, Geo. S.)

Optiz Manufacturing Company, Milwaukee, Wis. Automobile radiators. 172,290; Oct. 21.

Owen, Lee Andrew, and Jessie Mae Adams Owen, Muskogee, Okla. Hair grower. 201,154; Oct. 21.

Pa-Po Laboratories. (See Jones, Howard L.)

Parfumerie Caron. (See Daltroff, E., & Cie.)

Parfumerie Roger & Gallet, Paris, France. Toilet powders. 194,122; Oct. 21.

Parfumerie Roger & Gallet, Paris, France. Powders and pastes for the teeth, hair, and skin, and perfumery. 195,595; Oct. 21.

Parlier Fruit Growers Assn., Parlier, Calif. Fresh grapes, peaches, plums, etc. 184,680; Oct. 21.

Panley Oil Company, Los Angeles, Calif. Gasoline. 201,010; Oct. 21.

Peoples Oil Company, Augusta, Ga. Gasoline, lubricating oils, and greases. 156,466; Oct. 21.

Perfect Drop Seat Garment Company, Poteau, Okla. Underwear, rompers, play suits, etc. 200,578; Oct. 21.

Phenoline Company, The, St. Louis, Mo. Preparation for affections of the eye. 201,855; Oct. 21.

Pine-O-Sal Chemical Company, Bayonne, N. J. Bath salts. 201,819; Oct. 21.

Polkase Manufacturing Company, Inc., New York, N. Y. Fancy rubber tea aprons, bibs, bathing caps, etc. 194,615; Oct. 21.

Poulson, Charles W., New York, N. Y. Carpets. 201,376; Oct. 21.

Progressive Knitting Works Inc., Brooklyn, N. Y. Knitted, netted, and textile fabrics. 198,476; Oct. 21.

Providence Distributing Company, Inc., Providence, R. I. Radiotubes. 202,305; Oct. 21.

Pyro-Cop Laboratories, Los Angeles, Calif. Mouth lotion for pyorrhea and a medicine for pyorrhea conditions of the gums. 201,309; Oct. 21.

Racine Auto Tire Company, Racine, Wis. Inner tubes for pneumatic tires. 124,578; Oct. 21.

Rasmussen, Ernest A., Los Angeles, Calif. Floor, wall, and mantle tiles and building blocks. 200,279; Oct. 21.

Rice & Hochster, New York, N. Y. Loud speakers for radio apparatus. 202,080; Oct. 21.

Richardson Radio Inc., New York, N. Y. Radio receiving and transmitting sets and parts thereof. 202,264; Oct. 21.

Richmond Hosiery Mills, Rossville, Ga. Hosiery and underwear. 193,308; Oct. 21.

Riley, Fred W., Los Angeles, Calif. Dietetic products. 201,582; Oct. 21.

Robbins Knitting Company, The, High Point, N. C. Hosiery. 184,423; Oct. 21.

Robitsek, Schneider Co., Minneapolis, Minn. Coats and vests, work and hiking shirts and pants. 183,944; Oct. 21.

Roersma, William J., doing business as Big 4 Hand Lotion Company, Oklahoma City, Okla. Hand lotion. 201,583; Oct. 21.

Rose City Flour Mills, Portland, Oreg. Sacked flour. 200,965; Oct. 21.

Rose City Flour Mills, Portland, Oreg. Sacked wheat flour. 200,966; Oct. 21.

Russell, Renouf, Keene, N. H. Chocolate-containing milk and cream preparations. 200,643; Oct. 21.

Sanitas Company, Inc., The, Jersey City, N. J., and Brooklyn, N. Y. Preparations for falling hair, dandruff, and itching scalp. 187,696-7; Oct. 21.

Saunders, Arthur, Sausalito, Calif. Banana surrounded by ice cream and retained in an edible casing. 170,791; Oct. 21.

Schilling, Frank C., Co., Green Bay, Wis. Bouillon cubes, birdseed, canned goods, etc. 162,271-2; Oct. 21.

Schlesinger, Louis, Knitting Co. Inc., New York, N. Y. Booties, hoods, toques, etc. 199,131; Oct. 21.

Schwartz Bros. & Co., Inc., New Orleans, La. Handkerchiefs. 185,046; Oct. 21.

Seamless Brassiere Co., Inc., New York, N. Y. Brassieres. 199,497; Oct. 21.

Settle, Wilcher S., New York, N. Y. Garment hangers. 201,415; Oct. 21.

Shaner, Edgar M., doing business as Moto-Cleus Oil Company, Lynchburg, Va. Flushing oil. 201,160; Oct. 21.

Sherer-Gillett Company, Chicago, Ill. Flavoring extracts for foods. 200,408; Oct. 21.

Shewry, William M., Chicago, Ill. Glass dishes. 196,262; Oct. 21.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and silk and cotton goods in the piece. 197,839; Oct. 21.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk, silk and cotton, and cotton goods in the piece. 199,500; Oct. 21.

Sinclair Refining Company, Chicago, Ill. Lubricating oils. 200,904; Oct. 21.

Sinclair Refining Company, New York, N. Y. Gasoline. 201,050; Oct. 21.

Smith-McCord-Townsend Dry Goods Co., Kansas City, Mo. Mercerized sateen in the piece. 201,267; Oct. 21.

"Sonia Viscosa" Società Nazionale Industria Applicazioni Viscosa, Turin, Italy. Artificial silk, spun, thrown, sewing or knitting twist, yarn, and thread. 195,083; Oct. 21.

Snowmobile Company, West Ossipee, N. H. Land motor vehicles and parts of the same. 195,241; Oct. 21.

Spencer Kellogg & Sons, Inc., Buffalo, N. Y. Castor oil. 201,861; Oct. 21.

Sprenger, Magdalen M., doing business as Marleo Chemical Co., New Ulm, Minn. Ointment for skin infections, wounds, etc. 201,937; Oct. 21.

Square Deal Electric Company. (See Dickerson, Andrew J.)

Standard Wholesale Grocery Co., Chicago, Ill. Canned fish. 193,480; Oct. 21.

Stehli Silks Corporation, New York, N. Y. Silk piece goods. 201,517; Oct. 21.

Stien, S., & Co., New York, N. Y. Woolen cloths in the piece for suiting, etc. 166,474; Oct. 21.

Strong, Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 200,909; Oct. 21.

Sweet, Laurence A., doing business as Laurence A. Sweet Manufacturing Co., Los Angeles, Calif. Radiator caps. 191,201; Oct. 21.

Tennessee Coal, Iron & Railroad Company, Birmingham, Ala. Phosphate. 190,069; Oct. 21.

Thomson Wood Finishing Co., The, Philadelphia, Pa. Paints, paint enamels, varnishes, and stains. 201,060; Oct. 21.

Tremonts Mfg. Co., The. (See Corso, Anthony R.)

Tribble Cordage Mills, Inc., Boston, Mass. Clotheslines. 201,823; Oct. 21.

Uhrl, Edw. W., doing business as The Homestead Corporation, St. Louis, Mo. Rockers, chairs, settees, and tables. 200,971; Oct. 21.

Vaucher, Edmond, Lausanne, Switzerland. Dentifrices, toilet creams and water, aromatic vinegar, hair tonics. 197,519; Oct. 21.

Waddington, John, Leeds, England. Playing cards. 194,892; Oct. 21.

Walgreen Co., Chicago, Ill. Chemical preparations for killing bugs, etc. 200,025; Oct. 21.

Wanamaker, John, Philadelphia, Pa. Perfumes and toilet creams. 201,731-4; Oct. 21.

Weinrich, A. F., doing business as Weinrich Pickle Co., Los Angeles, Calif. Pickles. 195,472; Oct. 21.

Western Soap & Chemical Company, Los Angeles, Calif. Soap, soap flakes, and washing powder. 193,146; Oct. 21.

Wetzel, Inc. Coats, overcoats, raincoats, etc. 200,736; Oct. 21.

Wheatonast Company. (See Mack, William.)

Zentlers, Inc., New York, N. Y. Topcoats, mackinaws, capes, etc. 200,838; Oct. 21.

Zentlers, Inc., New York, N. Y. Men's and women's outer apparel. 201,478; Oct. 21.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.
Seeds. H. A. Sholes & Co. 190,810; Oct. 21.

CLASS 6.
Hair oils and pomades, face paints and powders, etc. C. H. Oehmig-Weldlich. 190,673; Oct. 21; Serial No. 191,971; published Aug. 5, 1924.
Medicinal preparation for impotency. Ecko Products Company. 190,718; Oct. 21; Serial No. 194,265; published July 22, 1924.
Medicine for diphtheria, internal. L. Gonzalez. 190,783; Oct. 21.
Ointment. R. N. Shemp. 190,809; Oct. 21.

CLASS 11.
Ink. Printing. Warner, Inc. 190,669; Oct. 21; Serial No. 197,309; published Aug. 5, 1924.
Typewriter ribbons. Impression Products Company. 190,808; Oct. 21.

CLASS 12.
Lime. Cheney Lime Company. 190,700; Oct. 21; Serial No. 189,099; published Aug. 5, 1924.
Lumber, sash, doors, roofing paper, and shingles. Woodhead Lumber Company. 190,679; Oct. 21; Serial No. 187,075; published Aug. 5, 1924.
Roofing felt. Asphalt. Murphy-McEuen Company. 190,685; Oct. 21; Serial No. 163,684; published Aug. 5, 1924.

CLASS 15.
Candles. Standard Oil Company. 190,704; Oct. 21; Serial No. 197,400; published July 22, 1924.
Gasoline. Federal Oil Company. 190,723; Oct. 21; Serial No. 195,271; published July 22, 1924.
Gasoline, kerosene, etc. Factory Oil Company. 190,707; Oct. 21; Serial No. 196,450; published July 22, 1924.
Gasoline, kerosene, etc. Factory Oil Company. 190,708; Oct. 21; Serial No. 196,446; published July 22, 1924.
Gasoline, lubricating oil, cup greases. Oriental Oil Company. 190,712; Oct. 21; Serial No. 195,902; published July 22, 1924.
Kerosene, gasoline, lubricating oils, and greases. Western Reserve Oil Company. 190,743; Oct. 21; Serial No. 171,479; published May 1, 1923.
Lubricants. Pennzoil Co. 190,711; Oct. 21; Serial No. 196,135; published July 22, 1924.
Oil, lubricating. Federal Oil Company. 190,722; Oct. 21; Serial No. 195,270; published July 22, 1924.
Oil, lubricating. A. W. Kelley. 190,749; Oct. 21; Serial No. 188,757; published July 29, 1924.
Oil, lubricating. J. L. Kemp Company. 190,752; Oct. 21; Serial No. 190,791; published July 22, 1924.
Oils and greases, lubricating. Fred G. Clark Company. 190,702; Oct. 21; Serial No. 198,289; published July 22, 1924.
Oils and rust remover. Lubac Corporation. 190,772; Oct. 21; Serial No. 180,611; published Aug. 19, 1924.
Oils, greases, and compounds, etc. Lubricating. Ryt-Oyl Lubricants Company. 190,747; Oct. 21; Serial No. 184,765; published July 22, 1924.
Oils, lubricating. Warren Refining & Chemical Company. 190,748; Oct. 21; Serial No. 186,935; published Dec. 11, 1923.
Oils, lubricating. J. Woodrow. 190,706; Oct. 21; Serial No. 196,563; published July 22, 1924.
Petroleum products. Associated Oil Company. 190,781; Oct. 21.
Petroleum products, vegetable grease lubricants, etc. Metropolitan Finance Corporation of California. 190,720; Oct. 21; Serial No. 194,462; published June 17, 1924.
Wax, Carnauba. Frank R. Ross Co. 190,767; Oct. 21; Serial No. 194,418; published June 24, 1924.

CLASS 16.
Asphalt paints. Gardiner and Lewis, Inc. 190,719; Oct. 21; Serial No. 194,267; published July 22, 1924.
Bronzing liquid, raw linseed oil, spirits of turpentine. Owl Drug Company. 190,773; Oct. 21; Serial No. 166,399; published Jan. 9, 1923.
Chemical, protective liquid. Kepec Company. 190,746; Oct. 21; Serial No. 181,690; published July 22, 1924.
Finishing and polishing materials. Sheraton Products Corporation. 190,717; Oct. 21; Serial No. 193,546; published July 22, 1924.
Oil, linseed. William O. Goodrich Company. 190,713; Oct. 21; Serial No. 195,818; published July 22, 1924.
Paint and enamel remover. Aloka Chemical Corporation. 190,714; Oct. 21; Serial No. 195,853; published July 22, 1924.
Paint enamels. Gene Morris Auto Painting System. 190,774; Oct. 21; Serial No. 191,236; published May 20, 1924.
Paint solvents, paint enamels, and varnishes. Dehco Enamelling Company. 190,709; Oct. 21; Serial No. 196,367; published July 22, 1924.

Paints and varnishes. B. Buchbinder. 190,710; Oct. 21; Serial No. 196,290; published July 22, 1924.
Paints, paint enamels, varnish, and lacquers. Republic Varnish Company. 190,705; Oct. 21; Serial No. 196,713; published July 22, 1924.
Paints, Paste. James B. Sipe & Company. 190,744; Oct. 21; Serial No. 179,324; published July 22, 1924.
Paints, stains, varnish, etc. Gateways, Inc. 190,721; Oct. 21; Serial No. 194,704; published July 22, 1924.
Paints, varnishes, and paint enamels. Columbia Varnish Company. 190,768; Oct. 21; Serial No. 193,274; published June 17, 1924.
Paints, varnishes, and paint enamels. Owl Drug Company. 190,769; Oct. 21; Serial No. 188,323; published June 24, 1924.
Paints, varnishes, stains, etc. Glidden Company. 190,716; Oct. 21; Serial No. 195,512; published July 22, 1924.
Polish and oil, Liquid. P. C. Holt. 190,753; Oct. 21; Serial No. 191,487; published July 22, 1924.
Putty. Devoe & Reynolds Co. 190,765; Oct. 21; Serial No. 197,712; published Aug. 19, 1924.
Turpentine. Columbia Naval Stores Company. 190,766; Oct. 21; Serial No. 194,909; published June 3, 1924.
Turpentine, Synthetic. James B. Sipe & Company. 190,745; Oct. 21; Serial No. 179,330; published July 22, 1924.
Varnish. Red Hand Compositions Company. 190,703; Oct. 21; Serial No. 197,498; published July 22, 1924.
Varnish. Sheraton Products Corporation. 190,755; Oct. 21; Serial No. 193,545; published July 22, 1924.
Varnish, paints, finishes. Marshall-Wells Company. 190,715; Oct. 21; Serial No. 195,527; published July 22, 1924.
Varnishes and paints. W. P. Fuller & Co. 190,750-1; Oct. 21; Serial Nos. 190,289-90; published July 22, 1924.
Varnishes, polishes, colors, etc. F. O. Merce Company. 190,770; Oct. 21; Serial No. 188,215; published May 13, 1924.

CLASS 19.
Vehicle body hardware. Ternstedt Manufacturing Company. 190,696; Oct. 21; Serial No. 191,925; published Aug. 5, 1924.

CLASS 21.
Batteries and spark plugs. Golden Eagle Buggy Company. 190,806; Oct. 21.
Condensers, rheostats, grid leaks, etc. Paper. Forman & Co. 190,801; Oct. 21.
Cookers, Electrical. Apex Electrical Manufacturing Company. 190,676; Oct. 21; Serial No. 188,516; published Aug. 5, 1924.
Cookers, Electrical. Apex Electrical Manufacturing Company. 190,677; Oct. 21; Serial No. 188,514; published Aug. 5, 1924.
Electric bulbs, incandescent. Tullite Auto Bulb Company. 190,687; Oct. 21; Serial No. 198,487; published Aug. 5, 1924.
Electric lights for bumpers. J. B. Harris. 190,804; Oct. 21.
Engines, Timers for combustion. Bigelow Bruno Mfg. Co. 190,796; Oct. 21.
Insulated electrical wire and cable. Rome Wire Company. 190,698; Oct. 21; Serial No. 197,452; published Aug. 5, 1924.
Lighting fixtures. Seattle Lighting Fixture Co. 190,667; Oct. 21; Serial No. 197,688; published Aug. 5, 1924.
Radio dials, keys, and receivers, telegraph keys, etc. Manhattan Electrical Supply Company. 190,662; Oct. 21; Serial No. 193,842; published Aug. 5, 1924.
Radio jack plugs. J. Pirth. 190,680; Oct. 21; Serial No. 186,703; published Aug. 5, 1924.
Radio parts. M. Taub. 190,697; Oct. 21; Serial No. 191,580; published Aug. 5, 1924.
Radio receiving sets. United Manufacturing & Distributing Company. 190,661; Oct. 21; Serial No. 194,891; published Aug. 5, 1924.
Radio receiving sets and parts thereof. Harris and Birdseye, Inc. 190,646; Oct. 21; Serial No. 195,685; published Aug. 5, 1924.
Radio receiving sets and parts thereof, Complete. C. J. J. J. 190,648; Oct. 21; Serial No. 195,583; published Aug. 5, 1924.
Radio receiving sets, telephone head sets, etc. C. Brandes, Inc. 190,802; Oct. 21.
Scrubbing, etc., machines. Floor. Ponsell Floor Machine Company. 190,675; Oct. 21; Serial No. 198,419; published Aug. 5, 1924.
Sockets for holding vacuum tubes and adapters for receiving vacuum tubes. Alden Manufacturing Company. 190,803; Oct. 21.
Spark plugs. Gould-Mersereau Company. 190,795; Oct. 21.
Switches for automobiles. Push-button. Benjamin Electric Manufacturing Company. 190,654; Oct. 21; Serial No. 198,109; published Aug. 5, 1924.

Telephonic apparatus, Loud-speaking. E. A. Graham. 190,693; Oct. 21; Serial No. 193,830; published Aug. 5, 1924.
Varimeters, etc., for radio receiving sets. G. H. Fischer & Co. 190,660; Oct. 21; Serial No. 194,532; published Aug. 5, 1924.

CLASS 23.
Engines, pistons, timing gears, etc. Superior Motor Parts Company. 190,682; Oct. 21; Serial No. 180,778; published Aug. 5, 1924.

CLASS 24.
Ironing-board covers. F. J. Smith. 190,800; Oct. 21.
Washboards. Columbus Washboard Company. 190,799; Oct. 21.

CLASS 27.
Watches, watch movements, and watchcases. Katz & Ogush, Inc. 190,798; Oct. 21.
Watches, watch movements, cases, and dials. Berna Watch Co., S. A. 190,678; Oct. 21; Serial No. 187,373; published Aug. 5, 1924.

CLASS 28.
Buttons. Gold-plated collar. S. B. Lavick Co. 190,644-5; Oct. 21; Serial Nos. 195,697-8; published Aug. 5, 1924.
Jewelry. R. H. Jones & Sons. 190,683; Oct. 21; Serial No. 180,011; published Aug. 5, 1924.
Jewelry. J. W. Weeks. 190,647; Oct. 21; Serial No. 195,666; published Aug. 5, 1924.
Necklaces. Clasps for. Neasebroth & Co. 190,684; Oct. 21; Serial No. 179,217; published Aug. 5, 1924.
Rings, bar pins, bracelets, etc., Finger. Katz & Ogush, Inc. 190,797; Oct. 21.
Silver-plated hollow ware. Farber Brothers. 190,681; Oct. 21; Serial No. 180,924; published Aug. 5, 1924.

CLASS 32.
Beds. Wheeler-Okell Company. 190,656; Oct. 21; Serial No. 198,920; published Aug. 5, 1924.
Beds. Wheeler-Okell Company. 190,657; Oct. 21; Serial No. 198,915; published Aug. 5, 1924.
Beds. Wheeler-Okell Company. 190,658; Oct. 21; Serial No. 198,913; published Aug. 5, 1924.
Furniture, Camp. Crawford-Austin Manufacturing Co. 190,652; Oct. 21; Serial No. 198,121; published Aug. 5, 1924.
Furniture, Household. John A. Schwarz, Inc. 190,789; Oct. 21.

CLASS 35.
Tire casings and tubes, Pneumatic. International Rubber Co. of America. 190,779; Oct. 21.

CLASS 36.
Phonographs, sound boxes, tone arms, etc. Starr Piano Company. 190,807; Oct. 21.
Talking-machine records. Compo Company. 190,698; Oct. 21; Serial No. 190,534; published Aug. 5, 1924.

CLASS 37.
Pens and pencils, Fountain. Morrison Fountain Pen Co. 190,777; Oct. 21.

CLASS 38.
Booklets and periodicals. International Brotherhood of Electrical Workers. 190,689; Oct. 21; Serial No. 198,357; published Aug. 5, 1924.
Journal, Scientific. F. A. Cave. 190,649; Oct. 21; Serial No. 198,173; published Aug. 5, 1924.
Literature, Printed. Manz Engraving Company. 190,694; Oct. 21; Serial No. 192,139; published Aug. 5, 1924.
Magazines, Monthly. Barton Salt Company. 190,663; Oct. 21; Serial No. 193,890; published Aug. 5, 1924.
Newspaper cartoon. King Features Syndicate, Inc. 190,651; Oct. 21; Serial No. 198,141; published Aug. 5, 1924.
Newspaper cartoon. King Features Syndicate, Inc. 190,665; Oct. 21; Serial No. 198,070; published Aug. 5, 1924.
Newspaper column, Heading for. E. A. Moss. 190,670-1; Oct. 21; Serial Nos. 196,179-80; published July 8, 1924.
Newspaper publications, Title for cartoons in. Public Ledger Company. 190,688; Oct. 21; Serial No. 198,379; published Aug. 5, 1924.
Newspaper section. International Feature Service, Inc. 190,666; Oct. 21; Serial No. 198,068; published Aug. 5, 1924.
Newspaper section. King Features Syndicate, Inc. 190,650; Oct. 21; Serial No. 198,142; published Aug. 5, 1924.
Newspaper section. King Features Syndicate, Inc. 190,655; Oct. 21; Serial No. 198,072; published Aug. 5, 1924.
Newspaper section. King Features Syndicate, Inc. 190,664; Oct. 21; Serial No. 198,071; published Aug. 5, 1924.
Periodical. Ford, Bacon & Davis, Inc. 190,690; Oct. 21; Serial No. 198,230; published Aug. 5, 1924.

Periodicals. E. H. Williams. 190,691; Oct. 21; Serial No. 198,204; published Aug. 5, 1924.
Pictures, photographs, drawings, etc., Reproductions of. Thomsen-Ellis Company. 190,682; Oct. 21; Serial No. 198,201; published Aug. 5, 1924.
Publication, Periodical. M. E. Chase. 190,653; Oct. 21; Serial No. 198,113; published Aug. 5, 1924.

CLASS 39.
Bloomers. Samuel N. Magill, Inc. 190,790; Oct. 21.
Boots, shoes, and slippers. Irving Drew Company. 190,674; Oct. 21; Serial No. 162,818; published June 24, 1924.
Dresses. Parisian Cloak Co. 190,793; Oct. 21.
Hosiery. Bear Brand Hosiery Co. 190,791; Oct. 21.
Shirts, Dress, negligee, and work. H. Berger. 190,794; Oct. 21.
Shoes, Inner liners for. H. N. Cook Belting Company. 190,792; Oct. 21.
Suits and overcoats, Men's. Dunhill Tailored Clothes, Inc. 190,787; Oct. 21.
Sweaters, bathing suits, knitted mittens, etc. D. Nussbaum & Co. 190,754; Oct. 21; Serial No. 192,490; published July 22, 1924.
Ties and scarfs. Kwalitty Knit Wear Mills. 190,784; Oct. 21.

CLASS 42.
Blankets. Old Town Woolen Co. 190,782; Oct. 21.
Cotton broadcloth in the piece. Cohn Hall Marx Co. 190,778; Oct. 21.
Cotton flannels in piece goods. Shwartz & Noble. 190,785; Oct. 21.
Cotton piece goods. Sayles Finishing Plants, Inc. 190,786; Oct. 21.
Silk piece goods. Stehlil Silks Corporation. 190,776; Oct. 21.
Woolen piece goods and pure woolen blankets. D. W. Farnsworth. 190,780; Oct. 21.

CLASS 45.
Beverage and sirup for making the same. Mouquin Incorporated. 190,805; Oct. 21.

CLASS 46.
Bird food. Philadelphia Seed Company. 190,726; Oct. 21; Serial No. 199,243; published Aug. 12, 1924.
Bread. Dependable Bakers Associated. 190,775; Oct. 21.
Bread. P. M. Dorsch. 190,762; Oct. 21; Serial No. 198,060; published Aug. 12, 1924.
Bread. E. Kuziak. 190,760; Oct. 21; Serial No. 193,714; published Aug. 12, 1924.
Bread. Petersen & Pegau Baking Co. 190,771; Oct. 21; Serial No. 185,986; published Feb. 12, 1924.
Bread. Swedish Produce Co. 190,729; Oct. 21; Serial No. 198,890; published Aug. 12, 1924.
Bread. Ward Bros. Co. 190,724; Oct. 21; Serial No. 178,153; published Aug. 12, 1924.
Buttermilk powder. Dry Buttermilk Company. 190,730; Oct. 21; Serial No. 198,792; published Aug. 12, 1924.
Cakes, candles, pastry, etc. Oskar Fischinger, Inc. 190,787; Oct. 21; Serial No. 197,448; published Aug. 12, 1924.
Canned goods, teas, candy, etc. Carpenter Cook Company. 190,756; Oct. 21; Serial No. 177,961; published Aug. 12, 1924.
Canned olives and tea. Sam Seelig Co. 190,740; Oct. 21; Serial No. 187,543; published Aug. 12, 1924.
Canned vegetables and fruits, jellies, etc. Wm. Montgomery & Co. 190,742; Oct. 21; Serial No. 179,812; published Aug. 12, 1924.
Cookie cakes and crackers. Hekman Biscuit Company. 190,727; Oct. 21; Serial No. 190,225; published Aug. 12, 1924.
Corn and oats. Langenberg Grain Co. 190,761; Oct. 21; Serial No. 192,379; published Aug. 12, 1924.
Eggs and poultry products. Atlantic Coast Poultry Producers Association. 190,758-9; Oct. 21; Serial Nos. 184,578-9; published Aug. 12, 1924.
Feed, Stock, poultry, and chick. Ballard & Ballard Co. 190,757; Oct. 21; Serial No. 178,890; published Aug. 12, 1924.
Flavoring extracts, Food. Hamilton Manufacturing Company. 190,731; Oct. 21; Serial No. 198,635; published Aug. 12, 1924.
Flour. Ballard & Ballard Co. 190,763; Oct. 21; Serial No. 198,782; published Aug. 12, 1924.
Flour, Wheat. Plank Milling Co. 190,764; Oct. 21; Serial No. 199,018; published Aug. 12, 1924.
Food product. Smith, Provost and Smith. 190,725; Oct. 21; Serial No. 199,329; published Aug. 12, 1924.
Fruit mixture, Preserved. Cleveland Fruit Juice Company. 190,741; Oct. 21; Serial No. 186,774; published Aug. 12, 1924.
Fruits, Citrous. W. E. Lee & Company. 190,699; Oct. 21; Serial No. 189,904; published July 1, 1924.
Grapes, Fresh. G. F. Covell. 190,788; Oct. 21.
Ice-cream suckers. H. B. Burt. 190,701; Oct. 21; Serial No. 188,528; published Aug. 5, 1924.
Meal, Alfalfa. Denver Alfalfa Milling & Products Co. 190,738; Oct. 21; Serial No. 197,326; published Aug. 19, 1924.
Meal, grits, corn flour, and pearl hominy. Cream Elevator Milling Co. 190,789; Oct. 21; Serial No. 194,854; published Aug. 12, 1924.

Meat baked in dough. Potato Dog Corporation. 190,728; Oct. 21; Serial No. 199,127; published Aug. 12, 1924.
Milk, Malted. Grob Food Products Co. 190,733; Oct. 21; Serial No. 198,406; published Aug. 12, 1924.
Oil, Olive. J. C. Francesconi & Co. 190,736; Oct. 21; Serial No. 197,741; published Aug. 12, 1924.
Oil, Olive. Standard Olive Oil Company. 190,735; Oct. 21; Serial No. 197,843; published Aug. 12, 1924.
Oil, Salad. Aspegren & Co. 190,732; Oct. 21; Serial No. 198,606; published Aug. 12, 1924.

Shortening compound. Central Food Products Company. 190,686; Oct. 21; Serial No. 199,648; published Aug. 5, 1924.
Syrup, Chocolate. T. T. Workman. 190,734; Oct. 21; Serial No. 197,919; published Aug. 12, 1924.
Sugar, Corn. Anheuser-Busch, Inc. 190,695; Oct. 21; Serial No. 192,064; published Aug. 5, 1924.
Tomato paste. J. Di Santo. 190,672; Oct. 21; Serial No. 196,159; published Aug. 5, 1924.
Vegetables, Fresh. R. B. White. 190,659; Oct. 21; Serial No. 195,086; published July 22, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Fire Creek Coal Company. 200,438; Oct. 21.

CLASS 4.

Cleaning composition. Clinch Manufacturing Co. 201,540; Oct. 21.
Soap, Crofts & Reed Co. 197,869; Oct. 21.
Soap, soap flakes, and washing powder. Western Soap & Chemical Company. 193,146; Oct. 21.
Soaps, soap pastes, and soap powders. E. Daltroff & Cie. 199,977; Oct. 21.

CLASS 6.

Antiseptic preparations. Clinical Laboratories Company. 202,004; Oct. 21.
Castor oil. Spencer Kellogg & Sons, Inc. 201,861; Oct. 21.
Chemical compound. Badminton Distemper Cure Company Limited. 199,517; Oct. 21.
Chemical motor-fuel ingredient. Anzoleone Products Company. 202,481; Oct. 21.
Chemical preparation for curling and waving the hair. Filmoff Company of America, Inc. 201,927; Oct. 21.
Chemical preparations. Walgreen Co. 200,025; Oct. 21.
Complexion clay. A. L. Crenshaw. 201,222; Oct. 21.
Complexion clay, cold cream, skin tonic, etc. H. Nier. 200,008; Oct. 21.
Cream, Facial. C. G. McFranklin. 197,551; Oct. 21.
Dentifrices, toilet creams, etc. E. Vaucher. 197,519; Oct. 21.
Diastatic preparation. American Rapidase Company. 201,915; Oct. 21.
Dietetic products. F. W. Riley. 201,582; Oct. 21.
Embalming fluid. Embalming Fluid Manufacturers Association. 182,239; Oct. 21.
Gum, Chewing. American Chicle Company. 202,315; Oct. 21.
Hair grower. H. L. Jones. 198,460; Oct. 21.
Hair grower. Lee Andrew Owen and Jessie Mae Adams Owen. 201,154; Oct. 21.
Hair tonics. A. R. Corso. 202,051; Oct. 21.
Henna preparations. High Grade Hair Co. 196,704; Oct. 21.
Laxative and liver regulator. P. Gavza. 202,106; Oct. 21.
Laxative medicine. Franklin Pharmacal Company. 201,952; Oct. 21.
Linctant, laxative salts, headache powders, etc. F. M. Hladky. 193,534; Oct. 21.
Lotion, Hand. W. J. Roersma. 201,583; Oct. 21.
Medicinal compound. J. A. Hanly. 198,305; Oct. 21.
Medicinal preparation. R. E. Allen. 201,688; Oct. 21.
Medicinal solution. American Beslin Corporation. 201,217; Oct. 21.
Mouth lotion and a medicine for pyorrhea conditions of the gums. Pyro-Cop Laboratories. 201,309; Oct. 21.
Ointment for eczema. M. M. Nassar. 202,577; Oct. 21.
Ointment for piles. M. M. Nassar. 202,576; Oct. 21.
Ointment for skin infections, wounds, etc. M. M. Sprenger. 201,937; Oct. 21.
Ointment, Lubricating. S. B. Ganow. 201,839; Oct. 21.
Perfumes and toilet creams. John Wanamaker Philadelphia. 201,731-4; Oct. 21.
Phosphate. Tennessee Coal, Iron & Railroad Company. 190,069; Oct. 21.
Potash, Caustic. A. Klipstein & Company. 202,067; Oct. 21.
Powder, face powder, cold cream, etc. Talcum. Lever Brothers Company. 187,470; Oct. 21.
Powders and creams, perfumes, etc. Face. Leigh, Chemist, Inc. 201,567; Oct. 21.
Powders, Complexion. C. E. Bates. 201,483; Oct. 21.
Powders, pastes, and perfumery. Parfumerie Roger & Gallet. 195,595; Oct. 21.
Powders, rouges, lip sticks, etc. A. Mosheim. 196,540; Oct. 21.
Powders, Toilet. Parfumerie Roger & Gallet. 194,122; Oct. 21.
Preparation for affections of the eye. Phenoline Company. 195,555; Oct. 21.
Preparation for colic, headache, colds, etc. Mrs. C. Nopper. 190,894; Oct. 21.

Preparations for falling hair, dandruff, and itching scalp. Sanitas Remedy Company. 187,696-7; Oct. 21.
Preparation for treatment of eczema. J. M. Cain. 201,832; Oct. 21.
Preparation for treatment of eyes. H. Katz. 199,479; Oct. 21.
Preparations for treatment of pyorrhea. E. P. Ingalls Laboratories. 201,848; Oct. 21.
Pyorrhea treatment, tooth paste and powder, etc. Dental Products Laboratories, Inc. 201,546; Oct. 21.
Remedy for head lice and other vermin. A. J. Balcer. 202,160; Oct. 21.
Salt. Kroger Grocery & Baking Co. 202,122; Oct. 21.
Salt, Bathing. Atlantic Salt Co. 199,205; Oct. 21.
Salts, Bath. Pine-O-Sal Chemical Company. 201,819; Oct. 21.
Skin lotions. R. M. Gibson. 201,551; Oct. 21.
Tablets, Gas and dyspepsia. D. C. Leo & Company. 201,092; Oct. 21.
Tablets, Antipyretic and antirheumatic. National Drug and Chemical Company of Canada, Limited. 202,074; Oct. 21.
Toilet preparations. F. W. Gashurst. 201,846; Oct. 21.
Worm product for hogs. S. A. Lloyd. 198,191; Oct. 21.

CLASS 7.

Clotheslines. Tribble Cordage Mills, Inc. 201,823; Oct. 21.

CLASS 9.

Matches. Osakeyhtio Savo, Ltd. 198,083; Oct. 21.

CLASS 12.

Hydrated finish and lime. John Herzog & Son. 200,620; Oct. 21.
Lumber, asphalt, cement, gypsum, and lime. New Rochelle Coal & Lumber Co. 196,255; Oct. 21.
Stucco, flooring, plaster, etc. Franklin R. Muller, Inc. 201,971; Oct. 21.
Tiles and building blocks. E. A. Rasmussen. 200,279; Oct. 21.

CLASS 13.

Door butts. Kress House Moving Company. 200,562; Oct. 21.

CLASS 14.

Alloys. General Plate Company. 193,393; Oct. 21.

Steel and iron bars. R. H. Bergstrom. 196,599; Oct. 21.

CLASS 15.

Gasoline. Hawkeye Oil Company. 183,148-9; Oct. 21.
Gasoline. Moulton Oil & Refining Co. 200,632; Oct. 21.
Gasoline. Pauley Oil Company. 201,010; Oct. 21.
Gasoline. Sinclair Refining Company. 201,050; Oct. 21.
Gasoline, lubricating oils, and greases. Peoples Oil Company. 156,466; Oct. 21.
Oil, Flushing. E. M. Shaner. 201,160; Oct. 21.
Oils, Lubricating. Sinclair Refining Company. 200,904; Oct. 21.

CLASS 16.

Elastites, mineral rubbers, insulating compounds, etc. Refined. R. D. Harris. 195,059; Oct. 21.
Lithopone. J. C. Bird. 200,708; Oct. 21.
Paint remover. W. H. Hill. 200,619; Oct. 21.
Paints, paint enamels, varnishes, and stains. Thomson Wood Finishing Co. 201,060; Oct. 21.
Paints, paint enamels, varnishes, etc. Ready-mixed. Giant Paint Products Co. 200,552; Oct. 21.
Polish, Automobile. Bowes "Seal Fast" Corporation. 200,179; Oct. 21.
Varnishes, lacquers, varnish enamels, etc. Cleveland Varnish Company. 195,213; Oct. 21.
Waterproofing and dampproofing compounds, roofing liquids and cements, etc. Hetson-Sommers Co. 197,815; Oct. 21.

CLASS 19.

Automobile radiators. Opitz Manufacturing Company. 172,290; Oct. 21.
Automobiles and parts thereof. Automotive Specialty Corporation. 202,273; Oct. 21.
Radiator caps. L. A. Sweet. 191,201; Oct. 21.

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Vehicles and parts of the same, Land motor. Snowmobile Company. 195,241; Oct. 21.

CLASS 21.

Batteries and parts, Electrical storage. A. J. Dickerson. 201,654; Oct. 21.
Bells, Electric. Liberty Bell Manufacturing Co. 201,614; Oct. 21.
Lamps, Automobile. Glade Manufacturing Company. 201,840; Oct. 21.
Lamps, Electric. Guide Motor Lamp Manufacturing Company. 197,810; Oct. 21.
Lamps, Electric. Magnavox Co. 202,130; Oct. 21.
Lights, Dash. Griffith-Hope Company. 201,342; Oct. 21.
Radio apparatus, Loud speakers for. Rice & Hochster. 202,080; Oct. 21.
Radio receiving and transmitting sets and parts thereof. Richardson Radio Inc. 202,264; Oct. 21.
Radio receiving sets, telephone head sets, etc. C. Brandes, Inc. 201,486; Oct. 21.
Radiotubes. Providence Distributing Company. 202,305; Oct. 21.

CLASS 22.

Baseball bats. A. H. Leathers. 199,234; Oct. 21.
Cards, Playing. John Waddington Limited. 194,892; Oct. 21.

CLASS 23.

Knitting and winding machines, etc. Ellitewerke Aktiengesellschaft, Abteilung Diamantwerke. 190,722; Oct. 21.

CLASS 26.

Egg testers. National Eggoscope Corpor. 201,151; Oct. 21.
Picture-viewing machines, Coin-operated moving. J. F. Meyer. 201,769; Oct. 21.

CLASS 29.

Brooms, brushes, dusters, mops, and mop heads. Fisher Bros. Paper Company. 200,878; Oct. 21.

CLASS 30.

Porcelain and china ware. Continental Ceramics Corporation. 202,099; Oct. 21.

CLASS 32.

Rockers, chairs, settees, and tables. E. W. Uhrl. 200,971; Oct. 21.

CLASS 33.

Dishes, Glass. W. M. Shewry. 196,262; Oct. 21.
Glass milk bottles and cottage-cheese containers. Liberty Glass Company. 201,667; Oct. 21.
Vases, bowls, jugs, etc. Corning Glass Works. 201,023; Oct. 21.

CLASS 34.

Mantles, Gas. Kroger Grocery & Baking Co. 202,123; Oct. 21.

CLASS 35.

Brake linings. J. T. Crane. 201,697; Oct. 21.
Tires, Inner tubes for pneumatic. Racine Auto Tire Company. 124,578; Oct. 21.

CLASS 38.

Books. L. Douglas. 191,533; Oct. 21.
Cards, Greeting. Exclusive Company. 202,055; Oct. 21.
Magazine. Collegiate World Publishing Company. 200,808; Oct. 21.
Magazine, Monthly. Constructive Publishing Corporation. 202,440; Oct. 21.
Periodical. Carolina Retailer Publishing Company. 201,542; Oct. 21.

CLASS 39.

Apparel, Men's and women's outer. Zentlers, Inc. 201,478; Oct. 21.
Babies' wear. C. Guzy. 198,234; Oct. 21.
Bootees, hoods, toques, etc. Louis Schlesinger Knitting Co. 199,131; Oct. 21.
Brassieres. Seamless Brassiere Co. 199,497; Oct. 21.
Coats and vests, sheepskin-lined coats and vests, etc. Sheepskin-fur. Robitshek, Schneider Co. 183,944; Oct. 21.
Coats, Children's. A. Lowitt & Co. 195,752; Oct. 21.
Coats, overcoats, raincoats, etc. Wetzel, Inc. 200,736; Oct. 21.
Coats, suits, skirts, etc. W. W. Moore Company. 199,238; Oct. 21.
Corsets, girdles, and health belts. Hip Hold Corset Corporation. 200,989; Oct. 21.
Dresses and nurses' and maids' uniforms. Jacobs Brothers. 201,562; Oct. 21.
Dresses, coats, brassieres, etc. Enid Frocks, Inc. 199,050; Oct. 21.
Gloves, Work. National Glove Company. 199,433; Oct. 21.
Hats. A. N. Adelson. 200,741; Oct. 21.
Hats. Banks Hat, Incorporated. 198,979; Oct. 21.

Hats, Ladies'. London Feather Novelty Company. 192,184; Oct. 21.
Hats, Men's. Middle West Hat Mfg. Co. 180,138; Oct. 21.
Hosiery. New York Geico Company. 199,014; Oct. 21.
Hosiery. Robbins Knitting Co. 184,423; Oct. 21.
Hosiery and underwear. Richmond Hosiery Mills. 183,808; Oct. 21.
Overalls and jumpers. Alabama Overall Co. 199,738; Oct. 21.
Rubber tea aprons, bibs, bathing caps, etc. Polkase Manufacturing Company. 194,615; Oct. 21.
Shirts, neckties, collars, etc. G. Murphy. 194,935; Oct. 21.
Shoes. Eduard Lingel, Schuhfabrik A.-G. 183,335; Oct. 21.
Shoes, hats, coats, etc. Abercrombie & Fitch Co. 197,979; Oct. 21.
Shoes, Rubber. Converse Rubber Shoe Co. 201,077-8; Oct. 21.
Slippers. M. Gustin. 197,663; Oct. 21.
Socks, Leather. Hagerstown Shoe & Legging Co. 176,544; Oct. 21.
Stockings, socks, and half stockings. Etablissements Gaston Verdier (Societe Anonyme). 191,945; Oct. 21.
Sweater coats, Ladies'. Greater Manhattan Knitting Mills, Inc. 200,492; Oct. 21.
Topcoats, mackinaws, capes, etc. Zentlers, Inc. 200,838; Oct. 21.
Underwear, rompers, play suits, etc. Perfect Drop Seat Garment Company. 200,578; Oct. 21.

CLASS 40.

Combs. Joannot Fils & Cie. 199,891-2; Oct. 21.

CLASS 42.

Blankets. Old Town Woolen Co. 197,677; Oct. 21.
Blankets. Old Town Woolen Co. 197,679; Oct. 21.
Carpets, Wool. C. W. Poulson. 201,376; Oct. 21.
Chambray, gingham, handkerchiefs, etc. Higginbotham-Balley-Logan Company. 198,745; Oct. 21.
Cotton fabrics. Mitchell Bros. Inc. 199,076; Oct. 21.
Cotton piece goods. Berkshire Cotton Manufacturing Company. 199,603; Oct. 21.
Cotton piece goods. Kelsey Textile Corporation. 185,756; Oct. 21.
Cotton piece goods. Kummer, Upmann & Co. 200,820; Oct. 21.
Cotton print cloth in the piece. Convertex Corporation. 200,712; Oct. 21.
Draperies, valances, curtains, window shades, and bedspreads. Lesher, Whitman & Co. 201,458; Oct. 21.
Fabrics of silk and artificial silk. Lang Knitting Mills, Inc. 200,997; Oct. 21.
Handkerchiefs. Schwartz Bros. & Co. 185,046; Oct. 21.
Hemp, flax, cotton, and jute fabrics. Etablissements Chané & Dumail. 195,438-9; Oct. 21.
Knitted, netted, and textile fabrics. Progressive Knitting Works Inc. 196,476; Oct. 21.
Linen, canvas, cotton, and sail cloth in the piece. Lamport Mfg. Supply Co. 188,422; Oct. 21.
Rugs, Textile. J. C. Lanphear. 200,949; Oct. 21.
Rugs, Wilton. T. Develon, Jr. 197,017; Oct. 21.
Sateen in the piece. Smith-McCord-Townsend Dry Goods Co. 201,267; Oct. 21.
Silk and cotton piece fabrics, Mixed. Max Kaufmann & Co. 171,175; Oct. 21.
Silk and silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 197,839; Oct. 21.
Silk and wool piece goods. J. A. Migel, Inc. 201,461; Oct. 21.
Silk piece goods. Stehl Silks Corporation. 201,517; Oct. 21.
Silk, silk and cotton, and cotton goods in the piece. Wm. Simpson, Sons & Co. 199,500; Oct. 21.
Wool-velour coating piece goods. C. Bahnsen & Co. 186,539; Oct. 21.
Woolen billiard cloth. N. Grover. 199,001; Oct. 21.
Woolen cloths in the piece for suiting, etc. S. Stein & Co. 166,474; Oct. 21.
Woolen piece goods. Strong, Hewat & Co. 200,909; Oct. 21.

CLASS 43.

Silk, spun, thrown, sewing, or knitting twist, yarn, and thread, Artificial. "Snia-Viscosa" Società Nazionale Industria Applicazioni Viscosa. 195,083; Oct. 21.
Thread and lock-stitch thread, Welt. Linen Thread Company. 200,564; Oct. 21.
Thread and shoe thread, Linen. Linen Thread Company. 200,565; Oct. 21.
Thread, Shuttle. Linen Thread Company. 200,566; Oct. 21.
Threads and yarns. Mutual Thread Company. 199,565; Oct. 21.
Yarn, thread, and floss. Köln-Rottwell Aktiengesellschaft. 168,423; Oct. 21.

CLASS 44.

Nail files, nail clippers, nail polishers, etc. Fiberloid Corporation. 187,616; Oct. 21.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Teeth-cleaning band or strip. W. F. Lawrenz. 201,354; Oct. 21.
Tooth-cleaning strip or band. Device for holding a. W. F. Lawrenz. 201,355; Oct. 21.

CLASS 46.

Artichokes. J. L. Debenedetti. 201,287; Oct. 21.
Bouillon cubes, baked beans, canned goods, etc. Frank C. Schilling Co. 162,271-2; Oct. 21.
Bread. Bakers Service Bureau, Inc. 178,656; Oct. 21.
Bread. G. S. Coles. 201,544; Oct. 21.
Bread. Nafziger Baking Company. 201,852; Oct. 21.
Candy. J. G. McDonald Chocolate Company. 202,213; Oct. 21.
Canned fish. Standard Wholesale Grocery Co. 193,480; Oct. 21.
Canned fruits and vegetables. S. E. Comstock. 198,116; Oct. 21.
Cereal. W. Mack. 201,766; Oct. 21.
Chocolate-containing milk and cream preparations, raw, preserved, and sterilized. R. Russell. 200,643; Oct. 21.
Dairy food. Jameson-Hevener Company. 199,427; Oct. 21.
Feed. Cattle. Eastern States Farmers' Exchange. 182,140; Oct. 21.

Flavoring extracts. Sherer-Gillett Company. 200,408; Oct. 21.
Flour, Sacked. Rose City Flour Mills. 200,905; Oct. 21.
Flour, Sacked wheat. Rose City Flour Mills. 200,906; Oct. 21.
Flour, Self-rising wheat. Birdsey Flour Mills. 201,738; Oct. 21.
Flour, Wheat. J. W. Clineard. 192,209; Oct. 21.
Flour, Wheat. International Milling Company. 198,639; Oct. 21.
Flour, Whole-wheat and Graham. Hebron Roller Mills. 186,184; Oct. 21.
Food product. A. Saunders. 170,791; Oct. 21.
Foods, Prepared. M. de Bruyn. 199,828; Oct. 21.
Grapes, peaches, plums, etc., Fresh. Parlier Fruit Growers Assn. 184,680; Oct. 21.
Ice-cream cones. Maryland Baking Company. 202,068; Oct. 21.
Oil, Olive. M. G. Longoria. 201,615; Oct. 21.
Pickles. A. F. Weinrich. 195,472; Oct. 21.
Potatoes and fresh vegetables. C. C. Clemons Produce Co. 196,234; Oct. 21.

CLASS 50.

Garment hangers. W. S. Settle. 201,415; Oct. 21.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abraham, George W., Detroit, Mich. Paddle. 1,512,391; Oct. 21.
Adams, Arthur J., assignor to The Fulton Company, Bay City, Mich. Metal wheel and making the same. 1,512,568; Oct. 21.
Adkins, Benjamin R., Upper Warlingham, and W. Y. Lewis, Southend-on-Sea, England. Supporting shafting. 1,512,872; Oct. 21.
Adkins, Robbie L., assignor of one-half to J. W. Hopkins, Omaha, Nebr. Flowerpot stand. Des. 65,792; Oct. 21.
Adsit, Charles G. (See Bennett, C. E., and Adsit.)
Agasote Millboard Co., The. (See Becher, Hubert L., assignor.)
Aktiebolaget Ljungströms Ångturbin. (See Ljungström, Fredrik, assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Gagg, Anton, assignor.)
Albert, Otto, assignor to Galland-Henning Mfg. Co., Milwaukee, Wis. Paper duster. 1,512,516; Oct. 21.
Aldrich, Roscoe H., Allentown, Pa. Shock absorber for hydraulic systems. 1,512,736; Oct. 21.
Allen, Edward, Jersey City, N. J. Propeller-shaft bearing. 1,512,261; Oct. 21.
Allingham, John, Los Angeles, Calif. Reducing ore. 1,512,262; Oct. 21.
Allison, Philip W. (See Sprague, F. D., and Allison.)
Amend, Otto P., New York, N. Y. Process of and apparatus for cracking or converting oils. 1,512,263; Oct. 21.
Amend, Otto P., New York, N. Y. Converting oils. 1,512,264; Oct. 21.
American Abrasive Metals Company. (See Sayre, William H., assignor.)
American Automatic Connector Company, The. (See Barker, Norman M., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Fabrics Company, The. (See Barnum, Harry B., assignor.)
American Lady Corset Company. (See Siegel, Joseph, assignor.)
American Lithographic Company. (See Townsend, John W., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Fish, Lewin B., assignor.)
American Telephone and Telegraph Company. (See Ver-nam, Gilbert S., assignor.)
Amory, Robert, Milton, Mass., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Switching mechanism for conveyer systems. 1,512,186; Oct. 21.
Anderson, Andrew M., Redmond, Wash. Screen door or window. 1,512,187; Oct. 21.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, Charles, assignor of one-half to A. F. Goschke, Eddyville, Iowa. Railway spike and holder. 1,512,265; Oct. 21.
Anderson, Gustave H., assignor to Hart and Hutchinson Manufacturing Company, New Britain, Conn. Corner construction for metal doors and partitions. 1,512,569; Oct. 21.
Anderson, Magnus C. (See Lee, A. P., and Anderson.)
Anderson, Magnus C., assignor, by mesne assignments, to Lee Trailer & Body Company, Chicago, Ill. Rail construction for rear-dump vehicles. 1,512,399; Oct. 21.
Anderson, Palmer L., Minneapolis, Minn. Reel. 1,512,188; Oct. 21.
Anderson, Robert V., Schenectady, N. Y. Locomotive tender. 1,512,440; Oct. 21.
Andress, John S., Jr., Palmetto, Fla. Plow attachment for tractors. 1,512,737; Oct. 21.
Andrews, James C., Gainesville, Fla. Badge or similar article. Des. 65,793; Oct. 21.
Andrews, Percy J., Warwick, R. I. Cylinder lining. 1,512,570; Oct. 21.
Angus, William, deceased, by C. J. Nichols, executor, London, England. Extension table. 1,512,266; Oct. 21.
Aram, Otto, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Stoker mechanism. 1,512,812; Oct. 21.
Arendale, James M., Birmingham, Ala. Safety device for crossings. 1,512,441; Oct. 21.
Arnold, Roy C., Fresno, Calif. Game board. 1,512,442; Oct. 21.
Arnold, William W., Jr., Manchester, Ga. Carding machinery. 1,512,267; Oct. 21.
Arntz, Lew, Des Moines, Iowa. Adjustable nose piece for spectacles and eyeglasses. 1,512,601; Oct. 21.
Aronson, Morris, and W. Baumgart, New York, N. Y. Embroidering-machine attachment. 1,512,738; Oct. 21.
Astrom, John, Fort Wayne, Ind. Jacket heater for internal-combustion engines. 1,512,517; Oct. 21.
Ateliers H. Cuenod Société Anonyme. (See Juillard, Ernest, assignor.)
Atkinson, Fred, and J. Ross, New York, N. Y. Pneumatic-tube dust cap. 1,512,662; Oct. 21.
Atkinson, Millard F., Palmyra, N. J. Card-feeding device for printing presses. 1,512,571; Oct. 21.
Atkinson, Ralph W., Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Electric-cable installation. 1,512,443; Oct. 21.
Atkinson, Ralph W., Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable installation. 1,512,444; Oct. 21.
Auto-Automatic Signal Co. (See Marston, Charles F., assignor.)
Auto Pullman Company. (See Michelet, Wilhelm J., assignor.)
B. & S. Manufacturing Products Corporation. (See Stern, C., and Braden, assignors.)
Babcock, Joseph P., Tsinan, assignor to Mah Jongg Company of China, Shanghai, China. Set of dominoes. Des. 65,794; Oct. 21.
Bachrach, William, assignor to The Dearborn Company, Chicago, Ill. Ironing board. 1,512,663; Oct. 21.
Bagby, Ralph B., assignor to J. G. Cherry Company, Cedar Rapids, Iowa. Ice-cream freezer. 1,512,685; Oct. 21.
Bagos, John, Macdonaldton, Pa. Vehicle drawbar. 1,512,075; Oct. 21.
Bailey, Charles A., et al. (See Jones, David W., assignor.)
Bailey, George D., et al. (See Jones, David W., assignor.)
Bailey, V. W., et al. (See Foster, Walter L., assignor.)
Baillie, Jean L., assignor to Baillie-Lemaire & Fils, Paris, France. System of braces for supporting the folding beds of folding cameras. 1,512,664; Oct. 21.
Baillie-Lemaire & Fils. (See Baillie, Jean L., assignor.)
Baker, Norman G., Muscatine, Iowa. Automatic cal-lope. 1,512,666; Oct. 21.
Baker, Samuel E., Johnstown, Pa. Amusement apparatus. 1,512,739; Oct. 21.
Baker Steam Motor Car and Manufacturing Co., The. (See Orr, Carleton A., assignor.)
Baker, William, Cincinnati, Ohio. Scrub brush. 1,512,740; Oct. 21.
Baldwin Locomotive Works, The. (See Pfeiffer, John A., assignor.)
Balingno, Alfredo, Natividad, Pangasinan, P. I. Safety device for vehicles. 1,512,189; Oct. 21.
Ball, Gertrude E., Springfield, Mass. Milk-bottle closure cap. 1,512,607; Oct. 21.
Balmann, William A., Bristow, Okla. Attachment for boilers. 1,512,076; Oct. 21.
Balt Manufacturing Company. (See Bennett, C. E., and Adsit, assignors.)
Baluta, Leonard S., and G. A. McAfee, Berwick, Pa. Clothespin. 1,512,445; Oct. 21.
Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Safety mechanism for rubber-mixing machines. 1,512,813; Oct. 21.
Bannan, Henry, St. Catharines, Ontario, Canada. Re-railing apparatus. 1,512,077; Oct. 21.
Barber-Greene Company. (See Barber, Harry H., assignor.)
Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Journal bearing. 1,512,614; Oct. 21.
Barbet, Emile A., Paris, France. Separation and purification of argon and other rare gases of the atmosphere. 1,512,268; Oct. 21.
Bardet, George A. (See Dondero, A. S., and Bardet.)
Barhite, Allen G., Chicago, Ill. Stoker. 1,512,392; Oct. 21.

Barker, Norman M., West Park, Ohio, assignor, by mesne assignments, to The American Automatic Connector Company, Wyoming, Del. Gasket for train-pipe connectors. 1,512,572; Oct. 21.

Barnes, Charles J., Goldsboro, N. C. Moving-picture machine. 1,512,446; Oct. 21.

Barnes, Edward A., Fort Wayne, Ind., assignor to General Electric Company. Bearing and making the same. 1,512,190; Oct. 21.

Barnett, Maurice. (See Burgess, Louis, assignor.)

Barnum, Harry B., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 65,795; Oct. 21.

Barnwell, William G. (See Blount, William T., assignor.)

Barr, Sidney U., Brooklyn, N. Y. Double-hung window. 1,512,741; Oct. 21.

Barrell, Charles S., Boston, Mass. Traction device for tires. 1,512,518; Oct. 21.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Co. Ejector. 1,512,156; Oct. 21.

Baumgart, William. (See Aronson, M., and Baumgart.)

Baumhauer, Heinrich, Charlottenburg, near Berlin, Germany, assignor to General Electric Company. Hard tool and implement and in process of making. 1,512,191; Oct. 21.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttoning machine. 1,512,011; Oct. 21.

Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Agitator for feed grinders. 1,512,519; Oct. 21.

Beard, William M., et al., executors. (See Sayre, William H.)

Beasley, Walter H. (See Stenning, W. W., Williams, Beasley, and Middleton.)

Beatty, I. C. (See McLaren, William W., assignor.)

Beaudin, Louis E., assignor of one-half to H. E. Slayton, Manchester, N. H. Welt insole and making same. 1,512,668; Oct. 21.

Becher, Hubert L., assignor to The Agasote Millboard Co., Trenton, N. J. Automobile roof. 1,512,012; Oct. 21.

Beck, Frédéric, Neuilly-sur-Seine, France. Automatic chuck. 1,512,078; Oct. 21.

Beers, Burton B. (See Labadie, H. H., Beers, and Krueger.)

Behnke, Leo R., Duluth, Minn. Piston ring. 1,512,393; Oct. 21.

Bell, Rollo R., Hollywood, Calif. Self-adjusting bearing. 1,512,328; Oct. 21.

Belove Watch Case Co. (See Kalweit, Edward, assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical receptacle and plug. 1,512,815; Oct. 21.

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical fixture-supporting device. 1,512,816; Oct. 21.

Benkö, Ivan, Vienna, Austria. Apparatus for limiting the force transmitted in tools and machines. 1,512,192; Oct. 21.

Bennett, Charles E., and C. G. Adsit, assignors, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga. Electric switch. 1,512,735; Oct. 21.

Benson, Frederick, San Francisco, Calif. Egg beater. 1,512,669; Oct. 21.

Bergin, Thomas A., Wichita Falls, Tex. Combination gun barrel and gas trap. 1,512,079; Oct. 21.

Berlin, Harry S., assignor to The Victor Rubber Company, Springfield, Ohio. Pneumatic-tire tread. Des. 65,796; Oct. 21.

Berven, Sigurd O., Seattle, Wash. Bathtub. 1,512,193; Oct. 21.

Bigalski, John A., Chicago, Ill. Speed-controlling device. 1,512,573; Oct. 21.

Birch, Arthur E. (See Hindle, T., and Birch.)

Birdsall, Claude H., New Rochelle, N. Y. Coin assorter. 1,512,447; Oct. 21.

Birmingham Iron Foundry. (See Banbury, Fernley H., assignor.)

Bissell, David J., Jr., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash. Railway safety system. 1,512,194; Oct. 21.

Bissell, David J., Jr., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash. Ramp valve for automatic train-control apparatus. 1,512,195; Oct. 21.

Bjorklund, Eric G., Bridgeport, Conn. Smoking pipe. 1,512,670; Oct. 21.

Blank, Maurice G., Rochester, N. Y. Garment clasp. 1,512,671; Oct. 21.

Blauvelt, Frederic D., Glen Ridge, N. J. Roof flange. 1,512,672; Oct. 21.

Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,512,157; Oct. 21.

Blocker, Preston B., Silver City, N. Mex. Tire chain. 1,512,269; Oct. 21.

Blood, Harold L., North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Control system for machine tools. 1,512,574; Oct. 21.

Blood, Harold L., North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Planer-control system. 1,512,575; Oct. 21.

Bloom Manufacturing Co., The. (See Bloom, Nicholas H., assignor.)

Bloom, Nicholas H., assignor to The Bloom Manufacturing Co., Nashua, Iowa. Manure spreader and feed mechanism therefor. 1,512,448; Oct. 21.

Blount, William T., Orrville, Ohio, assignor of one-half to W. G. Barnwell, Savannah, Ga. Saw oiler. 1,512,080; Oct. 21.

Blumenthal, Sidney, & Co. (See Gowans, James, assignor.)

Blunt, James G., Schenectady, N. Y. Lateral-motion appliance for locomotive driving boxes. 1,512,449; Oct. 21.

Blunt, James G., Schenectady, N. Y. Locomotive truck. 1,512,576; Oct. 21.

Blythe, Frederick C., Southsea, England. Distillation of bituminous coal. 1,512,577; Oct. 21.

Boehm, Oscar A., New York, N. Y. Producing glass forms. 1,512,013; Oct. 21.

Booth, Charles W., Chicago, Ill. Uncoupling device for car couplers. 1,512,196; Oct. 21.

Bordas, John, Miami, Fla. Tire-blow-out boot. 1,512,081; Oct. 21.

Borel, Joseph, Annecy, France. Heat-insulating handle. 1,512,197; Oct. 21.

Bostock, William F., Braintree, Mass. Ornamented shoe upper. 1,512,450; Oct. 21.

Bosworth, Percy B., assignor to The Victor Rubber Company, Springfield, Ohio. Pneumatic-tire tread. Des. 65,797; Oct. 21.

Bowers, Charles R., Frankfort, Ind. Rolling tool and holding device. 1,512,394; Oct. 21.

Bowser, S. F., & Co. (See Pepper, Byron J., assignor.)

Boyden, Davis S., Allston, Mass. Overload-indicating apparatus for transformers. 1,512,817; Oct. 21.

Braden, Richard W. (See Stern, C., and Braden.)

Bragg, Thomas M., Mungerbar, and J. F. Howarth, Marrickville, near Sydney, New South Wales, Australia. Automobile headlamp. 1,512,158; Oct. 21.

Brandt Automatic Cashier Company. (See Brandt, Edward J., assignor.)

Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Resetting mechanism. 1,512,578; Oct. 21.

Breguet, Louis, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Internal-combustion engine. 1,512,673; Oct. 21.

Brewer, Dotson C., Augusta, Kans. Convertible light for motor cars. 1,512,742; Oct. 21.

Brigel, Charles E., Cincinnati, Ohio. Tag and tag-holding apparatus. 1,512,395; Oct. 21.

Brinton, Willard C., New York, N. Y. Siphon. 1,512,159; Oct. 21.

Brod, Albert, New York, N. Y. Ring. Des. 65,798; Oct. 21.

Bronder, Gaston A., deceased, Brooklyn, N. Y.; L. R. Bronder, administratrix. Vapor extractor. 1,512,743; Oct. 21.

Bronder, Lucia R., administratrix. (See Bronder, Gaston A.)

Brown, Adelbert E., Cleveland, Ohio. Hub for steering wheels. 1,512,396; Oct. 21.

Brooks, George S., Gary, Ind. Manufacture of zinc oxide. 1,512,873; Oct. 21.

Brown, Charles W., Nashville, Tenn. Brake lining. 1,512,451; Oct. 21.

Brown, Walter D., Oak Park, Ill. Hair curler. 1,512,397; Oct. 21.

Browne, Ralph C., Salem, Mass. Air condenser. 1,512,398; Oct. 21.

Bruce, Alfred W., New York, N. Y. Throttle valve. 1,512,452; Oct. 21.

Brunell, Homer A. (See Burtnett, Everett R., assignor.)

Brush, George S., Zanesville, Ohio. Clock case. Des. 65,799; Oct. 21.

Bryar, George, assignor of three-fourths to E. W. Ford and one-fourth to J. C. Flannery, Boston, Mass. Strap wrench. 1,512,014; Oct. 21.

Brydie, Fenton R., Jamaica, N. Y. Interlocking shingle. 1,512,400; Oct. 21.

Brynildson, Knut B., New Richland, Minn. Illuminated license-plate holder. 1,512,082; Oct. 21.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Bühler Brothers. (See If, Werner, assignor.)

Bulkley, Paul G., Azusa, Calif. Orchard heater. 1,512,270; Oct. 21.

Bull, Edward E., Calvin, assignor of one-half to C. A. Smith, Artemus, Ky. Steel card holder. 1,512,453; Oct. 21.

Bumpus, Wayne E., Charleston, W. Va. Packing setter. 1,512,818; Oct. 21.

Burgess, Louis, Westfield, N. J., assignor, by mesne assignments, to himself and M. Barnett. Reduction of oxides. 1,512,271; Oct. 21.

Burnet, Alexander, London, England. Hair net or cap. 1,512,272; Oct. 21.

Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,512,083; Oct. 21.

Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Axle for motor vehicles. 1,512,401; Oct. 21.

Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Axle for motor vehicles. 1,512,402; Oct. 21.

Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Automobile brake. 1,512,403; Oct. 21.

Burt, Leslie N., and J. E. Freeborn, assignors to The Richards Thread Milling Machine Company (1918) Limited, Westminster, England. Means for use in machining two oppositely-tapering surfaces of a work-piece and in screw threading such surfaces. 1,512,520; Oct. 21.

Burtnett, Charles A. (See Burtnett, Everett R., assignor.)

Burtnett, Everett R., assignor of one-half to C. A. Burtnett, Los Angeles, Calif. Internal-combustion engine. 1,512,874; Oct. 21.

Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,512,404; Oct. 21.

Button Attaching Machine. (See Ross, Frederick N., assignor.)

Butz, Otto, and W. E. Dreyer, Newark, N. J. Drawing instrument. 1,512,015; Oct. 21.

Buvinger, George A. (See Kettering, C. F., and Buvinger.)

Buvinger, George A., and C. Warner, assignors to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,512,016; Oct. 21.

Byam, William B., Grand Rapids, Mich. Strainer holder. 1,512,875; Oct. 21.

Cade, Charles W., Bellevue, assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Truck. 1,512,454; Oct. 21.

Cadman, Addl B., assignor to Warner Manufacturing Company, Beloit, Wis. Trailer truck. 1,512,521; Oct. 21.

Calder, Margaret H., Rogers, Mich. Scrubbing-pail attachment. 1,512,744; Oct. 21.

Callahan, Joseph J., Cornwall Heights, Pa. Propeller. 1,512,273; Oct. 21.

Calvert, Cecil, and J. F. Duhamel, Washington, D. C. Shock absorber. 1,512,455; Oct. 21.

Camp, Vaughn. (See Davis, Lewis K., assignor.)

Campbell, Henry A., Oakland, Calif. Cooking machine. 1,512,674; Oct. 21.

Campbell, James C. (See Hatcher, O. M., and Campbell.)

Candia, Lillian S., New York, N. Y. Doll. Des. 65,800; Oct. 21.

Caramanico, Louis, Philadelphia, Pa. Device for cleaning and treating the ear. 1,512,274; Oct. 21.

Carey, Robert R., W. L. Lukens, and L. N. D. Mksell, assignors to Bethlehem Steel Company, Bethlehem, Pa. Percussion fuse. Ref. 5,933; Oct. 21.

Carey, Thomas W., Jr., New Orleans, La. Demonstrator. 1,512,745; Oct. 21.

Carlson, Andrew H., assignor to Instant Electric Water Heater Company, Bridgeport, Conn. Electric water-heating system. 1,512,405; Oct. 21.

Carman, James W., Seattle, Wash. Automatic hot-box alarm. 1,512,456; Oct. 21.

Carter, William, Company. (See Drumheller, William P., assignor.)

Casgrain, Louis A., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heels. 1,512,881; Oct. 21.

Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breasting machine. 1,512,884; Oct. 21.

Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breasting machine. 1,512,885; Oct. 21.

Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breasting machine. 1,512,887; Oct. 21.

Cave, Henry, Hartford, Conn., assignor to Knox Motors Company. Tea wagon or the like. 1,512,160; Oct. 21.

Central Railway Signal Company. (See Dutcher, Frank, assignor.)

Chambers, John E., and E. L. Van Dolsen, Shelbyville, Ind. Sand cutter. 1,512,406; Oct. 21.

Chandler, Homer F., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,512,457; Oct. 21.

Chanin, Leo, Brooklyn, N. Y. Garter sock. 1,512,876; Oct. 21.

Cherry, J. G., Company. (See Bagby, Ralph B., assignor.)

Chryst, William A., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Clutch. 1,512,675; Oct. 21.

Church, C. F., Manufacturing Co. (See Kolstad, Otto, assignor.)

Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,512,084; Oct. 21.

Clark, A. C., & Company. (See Hendrickson, Walter H., assignor.)

Clark, Alexander R., Petoskey, Mich. Smoke consumer. 1,512,275; Oct. 21.

Clark, Asa A., Pixley, Calif. Jacket or outside form for manufacture of concrete pipe. 1,512,198; Oct. 21.

Clark, Edgar M., Brooklyn, assignor to A. S. Ferguson Company, New York, N. Y. 1,512,819; Oct. 21.

Clark Equipment Company. (See Burrows, Robert J., assignor.)

Clark, Harry A., Wichita Falls, Tex. Hoisting attachment for tractors. 1,512,199; Oct. 21.

Clark, Samuel, Newark, N. J., assignor, by mesne assignments, to Gorham Manufacturing Company. Belt buckle. 1,512,407; Oct. 21.

Clary, Hubert L., Weldon, N. C. Two-color stamp. 1,512,085; Oct. 21.

Cleveland Tractor Company, The. (See White, Rollin H., assignor.)

Co Hagan, William E., Denver, Colo. Piston ring. 1,512,746; Oct. 21.

Cohen, Jay K., et al. (See Grady, Stephen S., assignor.)

Cohen, Samuel K., et al. (See Grady, Stephen S., assignor.)

Colburn, Walter M., Rochester, N. Y. Combination dressing table and bathtub. 1,512,522; Oct. 21.

Colson Company, The. (See Roe, Mayo E., assignor.)

Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)

Conley, John E., Memphis, Tenn. Spring frog. 1,512,276; Oct. 21.

Connor, James F., Cleveland, assignor of one-half to F. S. Hoffman, Youngstown, Ohio. Cuff link. 1,512,877; Oct. 21.

Constable, Maxfield E. (See Smith, J., and Constable.)

Cook, Albert G., Jr., Monroe, La. Reversible clutch. 1,512,878; Oct. 21.

Cook, Everett J., assignor of one-half to Wisconsin Parts Company, Oshkosh, Wis. Axle construction. 1,512,676; Oct. 21.

Cook, Kenneth B. (See Hopkinson, E., and Cook.)

Copes, Mason C., Los Angeles, Calif. Engine-control device. 1,512,408; Oct. 21.

Cornière, Paul, Clehy, assignor to Societe de Mecanique Nouvelle, Paris, France. Starting device for internal-combustion engines. 1,512,879; Oct. 21.

Cotler, Abraham, Brooklyn, N. Y. Pendant watchcase. 1,512,880; Oct. 21.

Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Advertising scale. 1,512,161; Oct. 21.

Crane, Wallace W., Buhl, Idaho. Milk-can ventilator. 1,512,523; Oct. 21.

Cress, Horatio G., Troy, Ohio. School slate. 1,512,677; Oct. 21.

Critchlow, Francis B., Salt Lake City, Utah. Resilient wheel. 1,512,820; Oct. 21.

Crocker, Francis B., New York, N. Y. Method and apparatus for testing flying machines. 1,512,409; Oct. 21.

Crompton & Knowles Loom Works. (See Kyon, E. H., and Robertson, assignors.)

Crossley, Charles C., Struthers, Ohio. Monumental vase. Des. 65,801; Oct. 21.

Crude Oil Vaporizer Company. (See Rheim, Karl, assignor.)

Cunningham, Daniel G. (See Lemen, W. W., and Cunningham.)

Curton, Joseph E., Waco, Tex. Motor plow. 1,512,821; Oct. 21.

Custis, Charles R., Harrison, N. J. Adjustable sure-grip handle. 1,512,747; Oct. 21.

Cutter-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)

Cutter-Hammer Mfg. Co., The. (See Radley, Guy R., assignor.)

Cutshaw, Frank T. (See Goldsmith, Elmer L., assignor.)

Daering, Rudolf, Gros Ventre, Alberta, Canada. Machine for burning weeds and the like. 1,512,822; Oct. 21.

Dalton, William, Schenectady, N. Y. Rail fastener. 1,512,458; Oct. 21.

Dannenberg, George, Hubbard, Iowa. Incubator. 1,512,524; Oct. 21.

Darlington, Philip J., Boston, Mass. Micrometer caliper. 1,512,823; Oct. 21.

Darr, Earl A., et al., executors. (See Kraft, Henry P.)

Darrow, Henry E., Santa Barbara, Calif. Pressure-equalizing valve. 1,512,329; Oct. 21.

Davey, Wheeler P., Schenectady, N. Y., assignor to General Electric Company. Fluorescent screen. 1,512,200; Oct. 21.

Davis, Alfred J., Minneapolis, Minn. Temperature-maintaining apparatus. 1,512,748; Oct. 21.

Davis, Cortland W., Oak Park, assignor to The Mantle Lamp Company of America, Chicago, Ill. Harp fixture for lamps. 1,512,201; Oct. 21.

Davis, George W., Baltimore, Md. Valve for internal-combustion engine. 1,512,525; Oct. 21.

Davis, Lewis K., Washington, D. C., assignor to Vaughn Camp, Norfolk, Va. Cut-off mechanism. 1,512,202; Oct. 21.

Davis, Roy P. M., Mount Union, Pa. Mold. 1,512,526; Oct. 21.

Davidson, Neville C., Edgeworth, Pa. Gas burner. 1,512,579; Oct. 21.

Dawson, Stanley E., Davenport, Stockport, England, assignor, by mesne assignments, to Ferranti Meter and Transformer Manufacturing Company, Limited, Toronto, Canada. Machineable nonmagnetic high-resistance cast-iron alloy. 1,512,277; Oct. 21.

Day, Thomas, Company. (See Goddard, Wilfred B., assignor.)

Dayton Engineering Laboratories Company, The. (See Chryst, William A., assignor.)

Deau, William H. (See Wiwi, Thomas R., assignor.)

Dearborn Company, The. (See Bachrach, William, assignor.)
 De Bellescize, Henri J. J. M. de R., Paris, France. Wireless telegraph and telephone receiver. 1,512,824; Oct. 21.
 De Camp, Alvin R., Denver, Colo. Automatic safety gate for railway crossings. 1,512,580; Oct. 21.
 De Cew, Judson A., Mount Vernon, assignor to Process Engineers, Incorporated, New York, N. Y. Method for use in soap powder making. 1,512,211; Oct. 21.
 De Cew, Judson A., Mount Vernon, assignor to Process Engineers, Incorporated, New York, N. Y. Paper-sizing composition and making the same. 1,512,212; Oct. 21.
 De Cew, Judson A., Mount Vernon, assignor to Process Engineers, Incorporated, New York, N. Y. Paper-sizing composition. 1,512,213; Oct. 21.
 Deere & Company. (See White, Charles E., assignor.)
 Delco-Light Company. (See Buvinger, G. A., and Warner, assignors.)
 Delco-Light Company. (See Kettering, C. F., and Buvinger, assignors.)
 Della Libera, Bartolomeo, assignor to the Firm Fratelli Schwarzenbach & Co., Seveso San Pietro, Italy. Shuttle change. 1,512,843; Oct. 21.
 De Lloyd, Hudson K., Cleveland, Ohio. Can opener. 1,512,214; Oct. 21.
 Demel, Friedrich, Twickenham, assignor of one-half to R. T. Leighton, Hove, Sussex, England. Manufacture of gold leaf. 1,512,825; Oct. 21.
 Deming, William L., Salem, Ohio. Shower device. 1,512,551; Oct. 21.
 Denesha, Theodore S., New Bedford, Mass. Ventilator. 1,512,820; Oct. 21.
 Dennis, John R., assignor to International Braid Company, Providence, R. I. Forming a lacing tip. 1,512,182; Oct. 21.
 De Henner, Frank C., Bridgeport, Conn., assignor to General Electric Company. Combination contact device. 1,512,203; Oct. 21.
 Derst, Edward J., Savannah, Ga. Doll. Des. 65,802; Oct. 21.
 Des Rosiers, John H., assignor, by mesne assignments, to Kitauto Company, Providence, R. I. Assembling tool. 1,512,678; Oct. 21.
 Deutsch, Hermann, Berlin-Lichterfelde, Germany. Writing and drawing device. 1,512,827; Oct. 21.
 Deutsche Sprengstoff-Actien-Gesellschaft in Hamburg. (See Fausten, Alfons, assignor.)
 De Voe, Albert H., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 1,512,582; Oct. 21.
 Dickens, Charles E., Pleasant Garden, N. C. Amalgamator and concentrator. 1,512,204; Oct. 21.
 Dickman, Lloyd L., College View, Nebr. Tire casing spreader. 1,512,278; Oct. 21.
 Diehl, Ambrose N., Duquesne, Pa. Combustion system for hot-blast stoves. 1,512,583; Oct. 21.
 Diehl, Frank, Wabash, Ind. Producing relative movement between members. 1,512,279; Oct. 21.
 Dillon, Harry E., Philadelphia, Pa. Concrete curb construction. 1,512,828; Oct. 21.
 Dondero, Albino S. (See Eldridge, John J., assignor.)
 Dondero, Albino S., Oakland, and G. A. Bardet, Berkeley, Calif. Soldering device. 1,512,459; Oct. 21.
 Doran, H. G., & Co. (See Little, John C., assignor.)
 Dreyer, William E. (See Butz, O., and Dreyer.)
 Drohen, James L., Washington, D. C. Signal attachment for automobiles. 1,512,829; Oct. 21.
 Drumheller, William P., Springfield, assignor to W. Carter Company, Needham Heights, Mass. Yarn control for knitting machines. 1,512,891; Oct. 21.
 Du Bois, John J., assignor to The Du Bois Noiseless Crossing Company, Pueblo, Colo. Railway crossing. 1,512,280; Oct. 21.
 Du Bois Noiseless Crossing Company, The. (See Du Bois, John J., assignor.)
 Duckett, Leonard, Elyria, Ohio. Adjustable ball connection. 1,512,183; Oct. 21.
 Dudley, Edward F., Oak Park, assignor to Michle Printing Press & Manufacturing Company, Chicago, Ill. Delivery-table mechanism. 1,512,679; Oct. 21.
 Dubamel, James F. (See Calvert, C., and Dubamel.)
 Dunham, Bert G., Hawthorne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,512,584; Oct. 21.
 Dunlap, Theodore M., Chicago, Ill., assignor, by mesne assignments, to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,512,830; Oct. 21.
 Dunnell, Samuel. (See Dunnell, William and S.)
 Dunnell, William and S., Detroit, Mich. Flag-supporting device for motometers. 1,512,831; Oct. 21.
 Durlach, Henri, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. File-cutting machine. 1,512,585; Oct. 21.
 Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal torpedo. 1,512,749; Oct. 21.
 Dyck, Hans. (See Ulrich, G., Gruessner, and Dyck.)
 Dyer, Charles E., Alma, Ark. Nut lock. 1,512,832; Oct. 21.
 Easy-On Cup Company, The. (See Reid, James S., assignor.)
 Eberle, Elmer D., Sumner, Nebr. Hayrake shield. 1,512,750; Oct. 21.

Eckart, George F., Norwood, assignor of seventy per cent to D. B. Strickling, Cincinnati, Ohio. Chain clasp. 1,512,833; Oct. 21.
 Economy Engineering Company. (See Young, Wilfred S., assignor.)
 Eddy, Schuyler C., Kalamazoo, assignor, by mesne assignments, to Royal Easy Chair Corporation, Sturgis, Mich. Adjustable chair. 1,512,834; Oct. 21.
 Edens, Henry N., assignor to The John Lauson Manufacturing Company, New Holstein, Wis. Device for regulating temperature of air in carburetors. 1,512,527; Oct. 21.
 Edgerton, Israel V., Chicago, Ill. Poultry car. 1,512,215; Oct. 21.
 Edison Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
 Edstrom, Axel V., Welch, Minn. Fruit picker. 1,512,680; Oct. 21.
 Egli, Arnold A., Bern, assignor to Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Platen setter. 1,512,835; Oct. 21.
 Eksergian, Edward, St. Louis, Mo. Cigarette holder. 1,512,836; Oct. 21.
 Eldridge, John J., assignor of one-half to A. S. Dondero, Oakland, Calif. Fruit-pitting machine. 1,512,410; Oct. 21.
 Electric Fruit Marking Co. (See Neuenchwander, Lewis, assignor.)
 Electric Hand Saw Company. (See Michel, Edmond, assignor.)
 Electric Water Sterilizer & Ozone Company. (See Hartman, Harry B., assignor.)
 Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
 Elliott-Fisher Company. (See Read, David Y., assignor.)
 Ellis, George M., administrator. (See Ellis, Lewis M.)
 Ellis, Lewis M., deceased; G. M. Ellis, administrator, assignor to Winslow Safety High Pressure Boiler Company, Chicago, Ill. Valve gear for steam engines. 1,512,205; Oct. 21.
 Emerson-Brantingham Company. (See Traphagen, Harry R., assignor.)
 Engineer Company, The. (See McLean, Embury, assignor.)
 Engl, Josef, Berlin-Grünwald, Germany, assignor to Tri-Ergon, Limited, Zurich, Switzerland. Production of sound-record photographic positives. 1,512,681; Oct. 21.
 Erikson, Leonard, Malden, Mass. Illuminating device. 1,512,528; Oct. 21.
 Esposito, Thomas C., Brooklyn, N. Y. Burner. 1,512,460; Oct. 21.
 Evans, Charles S., assignor to The Perfect Gear Differential Company, Oakland, Calif. Transmission mechanism. Re15,932; Oct. 21.
 Evenden, James C., Brooklyn, Wellington, New Zealand. Pneumatic jack. 1,512,837; Oct. 21.
 Falkenwalde, Charles O. (See Falkenwalde, Oscar and C. O.)
 Falkenwalde, Oscar and C. O., Baltimore, Md. Liquid-fuel burner. 1,512,206; Oct. 21.
 Farrier, Calvin D., Plainville, Kans. Pipe puller. 1,512,411; Oct. 21.
 Faunce, Benjamin F., Johnstown, Pa. Centering device. 1,512,586; Oct. 21.
 Fausten, Alfons, Cologne-on-the-Rhine, assignor to Deutsche Sprengstoff-Actien-Gesellschaft in Hamburg, Hamburg, Germany. Producing nonflammable celluloidlike products. 1,512,751; Oct. 21.
 Federal Porcelain Company, The. (See Loy, John G., assignor.)
 Federated Engineers Development Corporation. (See Potter, Thomas I., assignor.)
 Ferguson, A. S., Company. (See Clark, Edgar M., assignor.)
 Ferguson, Helen, Sandwich, Ill. Window sash. 1,512,682; Oct. 21.
 Fernald Manufacturing Company. (See Simmons, John W. and R. P., assignors.)
 Fernald Manufacturing Company. (See Wolfe, Samuel C., assignor.)
 Ferngren, Enoch T., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-cutting apparatus. 1,512,412; Oct. 21.
 Ferodo Limited. (See Frood, Herbert, assignor.)
 Ferranti Meter and Transformer Manufacturing Company. (See Dawson, Stanley E., assignor.)
 Fetty, Clarence L., and A. A. Hosler, Akron, Ohio. Automatic vacuum and gravity feed. 1,512,683; Oct. 21.
 Field, Willis E., Grand Rapids, Mich. Drinking-glass filler. 1,512,017; Oct. 21.
 Finch, John S., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Treadle-controlling mechanism. 1,512,587; Oct. 21.
 Finley, John T., O. I. Freeman, and C. R. Roberts, Atlanta, Ga. Tie-plate. 1,512,086; Oct. 21.
 Firestone Tire & Rubber Company, The. (See Van Amburgh, Edward J., assignor.)
 Fischer, William, Elyria, Nebr. Take-up device. 1,512,838; Oct. 21.
 Fish, Lewin B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Buckle for safety straps. 1,512,087; Oct. 21.

Fisher Automatic Brush Machine Company, The. (See Fisher, Charles E., assignor.)
 Fisher, Charles E., assignor, by mesne assignments, to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md. Brush-making machine. 1,512,588; Oct. 21.
 Fisher, Francis K., Nashville, Tenn. Truck for calculating and other machines. 1,512,281; Oct. 21.
 Fisher, William H., Louisville, Ky. Combined torch and device for opening oil cnsps. 1,512,839; Oct. 21.
 Fisk, Cassius M., Liberty Center, Ohio. Liquid-level indicator. 1,512,752; Oct. 21.
 Fitzsimmons, William A., Canton, Ohio. Electric catcher and conveyor. 1,512,413; Oct. 21.
 Flanders, Bert W., assignor to Flanders Moat Company, Lomita, Calif. Automobile door sign. 1,512,330; Oct. 21.
 Flanders Moat Company. (See Flanders, Bert W., assignor.)
 Flaunery, James C., et al. (See Bryar, George, assignor.)
 Fleisher, Walter L., New York, N. Y. Desiccation. 1,512,461; Oct. 21.
 Flick, John B., Detroit, Mich. Combined guide and protector for use in universal joints. 1,512,840; Oct. 21.
 Floyd, George C., Riverside, Ill. Razor. 1,512,207; Oct. 21.
 Foley, John, Wayne, Pa. Wood-preserving emulsion. 1,512,414; Oct. 21.
 Foote, Plerson & Co. (See Wolf, R., and Pierson, assignors.)
 Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Automatic type and ribbon selecting mechanism and control for writing-adding machines. 1,512,282; Oct. 21.
 Ford, Edwin W., et al. (See Bryar, George, assignor.)
 Forges & Ateliers de Constructions Electriques de Jeumont. (See Durlach, Henri, assignor.)
 Forsyth, George H., Chicago, Ill. Metal sash. 1,512,415; Oct. 21.
 Foster, Augustus W., Malvern, Iowa. Breeding crate. 1,512,753; Oct. 21.
 Foster, Walter L., Whittier, assignor to W. Meredith and W. H. Taylor, Huntington Beach, and V. M. Bailey, Pasadena, Calif. Automatic pump control. 1,512,208; Oct. 21.
 Fowler, Robert O., Birmingham, Ala. Resilient tire. 1,512,164; Oct. 21.
 Fowler, Jonathan O., New York, N. Y. Antiskid device. 1,512,529; Oct. 21.
 Fowler, William S., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 65,803; Oct. 21.
 Fox Furnace Company. (See Hill, William H., assignor.)
 Frank, Stevens B. (See Mach, Edward, assignor.)
 Fransen, Albert G., Chicago, Ill. Chicken-delousing apparatus. 1,512,530; Oct. 21.
 Fratelli Schwarzenbach & Co. (See Della Libera, Bartolomeo, assignor.)
 Frazer, Pinkney P., St. Louis, Mo. Stripper box. 1,512,018; Oct. 21.
 Freddy, August. (See Malmin, H., and Freddy.)
 Freeborn, James E. (See Bart, L. N., and Freeborn.)
 Freeman, Lewis D. (See Small, J. W., and Freeman.)
 Freeman, Olen L. (See Finley, J. T., Freeman, and Roberts.)
 Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,512,589; Oct. 21.
 Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,512,590; Oct. 21.
 Fried, Krupp Aktiengesellschaft Grusonwerk. (See Ulrich, G., Gruessner, and Dyck, assignors.)
 Fried, Krupp Aktiengesellschaft. (See Sundhausen, Hermann, assignor.)
 Friedrichs, Gottfried L. A., New York, N. Y. Preserving perishable products. 1,512,591; Oct. 21.
 Fritsche, William E., San Francisco, Calif. Automaton and talking apparatus. 1,512,283; Oct. 21.
 Frood, Herbert, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Nosing for stair treads. 1,512,592; Oct. 21.
 Frood, Herbert, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Stair tread. 1,512,593; Oct. 21.
 Fuller, Franz A., assignor to The J. E. Mergott Co., Newark, N. J. Bag fastener. 1,512,019; Oct. 21.
 Fuller, Truman S., and J. A. Ward, Schenectady, N. Y., assignors to General Electric Company. Electric heater. 1,512,209; Oct. 21.
 Fulton Company, The. (See Adams, Arthur J., assignor.)
 Fulweller, Walter H., Wallingford, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Quantitative determination of hydrogen sulphide in illuminating and other gas. 1,512,893; Oct. 21.
 Funkhouser, Vernon E., Kansas City, Mo. Road form. 1,512,165; Oct. 21.
 Funck, Paul W., Stuttgart, Germany. Machine for distributing plastic objects. 1,512,831; Oct. 21.
 Futecher, Horace G. (See Rayment, L., and Futecher.)
 Fyr-Fyter Company, The. (See Dunlap, Theodore M., assignor.)
 Fyr-Fyter Company. (See Iddings, Roscoe C., assignor.)
 Gabor, Jacob, Brooklyn, N. Y. Vehicle ventilator. 1,512,754; Oct. 21.

Gagg, Anton, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Rotary valve for pipe lines. 1,512,684; Oct. 21.
 Galbraith, Alexander, Dalmuir, Scotland, assignor to Roadrails Limited, London, England. Power-driven vehicle for service on roads and rails. 1,512,755; Oct. 21.
 Galland-Henning Mfg. Co. (See Albert, Otto, assignor.)
 Gamble, Joseph R., assignor of one-half to W. F. Greiner, Belleville, Ill. Coal drill. 1,512,811; Oct. 21.
 Gammeter, John R. (See Pierce, Robert C., assignor.)
 Gaskins, Palemon H., Jacksonville, Fla. Muffler. 1,512,210; Oct. 21.
 Gaskins, Palemon H., Jacksonville, Fla. Lubricating system. 1,512,216; Oct. 21.
 General Electric Company. (See Barnes, Edward A., assignor.)
 General Electric Company. (See Baumhauer, Heinrich, assignor.)
 General Electric Company. (See Davey, Wheeler P., assignor.)
 General Electric Company. (See De Reamer, Frank C., assignor.)
 General Electric Company. (See Fuller, T. S., and Ward, assignors.)
 General Electric Company. (See Haughton, Frank A., assignor.)
 General Electric Company. (See Lundstrom, Axel W., assignor.)
 General Electric Company. (See Perry, Charles L., assignor.)
 General Electric Company. (See Ryan, J. A., and Turner, assignors.)
 General Electric Company. (See Trencham, Henry, assignor.)
 General Electric Company. (See Whitaker, Frank P., assignor.)
 General Railway Signal Company. (See Howe, Winthrop K., assignor.)
 General Tire and Rubber Company, The. (See Remark, Isidore J. F., assignor.)
 Gharst, William B., and G. Karl, Mason City, Iowa. Stock loader. 1,512,756; Oct. 21.
 Gilbert, Naulbert A. (See Stevens, A. D., and Gilbert.)
 Giles, Walter D., Leesville, La. Coupling for well rods. 1,512,531; Oct. 21.
 Gilmore, Thomas E., Oakland, Calif. Clamping base. 1,512,416; Oct. 21.
 Gilpin, Garth G., Riverside, Ill., assignor to W. P. Murphy, New York, N. Y. Railway-car truck. 1,512,217; Oct. 21.
 Gluffre, James D., Brooklyn, N. Y. Ring. Des. 65,804; Oct. 21.
 Givens, Charles H., Modesto, Calif. Jack. 1,512,842; Oct. 21.
 Gladstone, Ida, New York, N. Y. Brassière. 1,512,417; Oct. 21.
 Glasscock, Julia E., et al. (See Linthicum, William D., assignor.)
 Gleason, Clarence A. (See Rider, G. E., and Gleason.)
 Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Electric-light-bowl hanger. 1,512,757; Oct. 21.
 Godfrey, Frank H., St. Paul, Minn. Automobile disk wheel. 1,512,418; Oct. 21.
 Goewey, Charles T., South Bend, Ind. Card holder. 1,512,332; Oct. 21.
 Goldsmith, Elmer L., assignor to F. T. Cutshaw, Indianapolis, Ind. Arch supporter. 1,512,218; Oct. 21.
 Goodrich, B. F., Company, The. (See Kuentsel, Curt, assignor.)
 Goodrich, B. F., Company, The. (See Sproull, John C., assignor.)
 Goosmann, Justus C., Chicago, Ill. Condenser joint. 1,512,219; Oct. 21.
 Gordon, Belrne, Jr., and R. McCarty, assignors to The Skenadon Cotton Company, Utica, N. Y. Winding and dyeing mechanism. 1,512,166; Oct. 21.
 Gordon Electric Manufacturing Company, The. (See Seltzer, Ira H., assignor.)
 Gore, Charles, Los Angeles, Calif. Speed arrester for vehicles. 1,512,167; Oct. 21.
 Gorham Manufacturing Company. (See Clark, Samuel, assignor.)
 Goschke, Emil F. (See Anderson, Charles, assignor.)
 Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 65,805; Oct. 21.
 Grady, Stephen S., Newtonville, Mass., assignor to J. K. Cohen and S. K. Cohen, New York, N. Y. Short-circuit-proof socket. 1,512,594; Oct. 21.
 Graf, Oscar R. (See Hiltch, W. D., and Graf.)
 Graham, David F., Coudersport, Pa. Roller bearing. 1,512,020; Oct. 21.
 Grant, Casper E., Portsmouth, Va. Pipe organ. 1,512,088; Oct. 21.
 Gravatt, Ralph A., Emporia, Kans. Plant-watering device. 1,512,758; Oct. 21.
 Gray, George W., assignor to The Texas Company, New York, N. Y. Manufacture of aluminum chloride. 1,512,419; Oct. 21.
 Gray, Malcolm A., Brixton, London, England. Sparking plug for internal-combustion engines. 1,512,168; Oct. 21.

Greenawalt, John E., New York, N. Y. Oil burner. 1,512,284; Oct. 21.
 Greenley, Joseph S., and J. A. Nalsmith, San Jose, Calif., assignors, by mesne assignments, to said Nalsmith. Automobile window. 1,512,759; Oct. 21.
 Greenman, Morris, (See Margaretten, L., and Greenman.)
 Greiner, Anton F., Detroit, Mich. Single-button switch. 1,512,169; Oct. 21.
 Greiner, William F., (See Gamble, Joseph R., assignor.)
 Greve, Herman L., assignor to The International Mailing Tube & Wrapper Company, Brooklyn, N. Y. Mailing wrapper. 1,512,843; Oct. 21.
 Grieves, Albert, Springfield, Ohio, assignor to International Harvester Company. Tying mechanism for baling presses. 1,512,532; Oct. 21.
 Griffin, Jns. A., (See Wilson, Sherman, assignor.)
 Grimes, Thaddeus S., assignor to Lummus Cotton Gln Company, Columbus, Ga. Cotton-press dog. 1,512,533; Oct. 21.
 Groby, Frederick W., River Edge, N. J. Accounting sheet. 1,512,685; Oct. 21.
 Groshek, Paul, Glen Massey, Ngaruawahia, Auckland, New Zealand. Material shoveling, transporting, and trucking machine. 1,512,844; Oct. 21.
 Groves, Alva S. and L. P., Reedsville, W. Va. Rim and felly connection. 1,512,845; Oct. 21.
 Groves, Lester P., (See Groves, Alva S. and L. P.)
 Gruessner, Franz, (See Ulrich, G., Gruessner, and Dyck.)
 Grush, Elmer B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breast-ing machine. 1,512,883; Oct. 21.
 Grush, Elmer B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breast-ing machine. 1,512,886; Oct. 21.
 Gumprecht, Frank O., Helena, Mont. Wrench. 1,512,846; Oct. 21.
 Haag, Alfred H., Baltimore, Md. Cabinet for combined radio and phonograph. Des. 65,806; Oct. 21.
 Hackney, Leslie S., St. Paul, Minn. Control extension for tractors. 1,512,595; Oct. 21.
 Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Knife for vamp-trimming machines. 1,512,021; Oct. 21.
 Hadley, J. Lee, and H. G. Reibel, assignors to The Peerless Electric Company, Warren, Ohio. Short-circuiting device for alternating-current motors. 1,512,534; Oct. 21.
 Haft, Lester, New York, N. Y. Lighting set. 1,512,889; Oct. 21.
 Haglund, Ture R., Stockholm, Sweden. Manufacture of metals, alloys, and the like. 1,512,462; Oct. 21.
 Hale, Thomas L., (See Jones, G. F., and Hale.)
 Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Manufacture of treating materials containing aluminum chloride. 1,512,420; Oct. 21.
 Hall, Robert F., Schenectady, N. Y. Swing-hanger link for railway trucks. 1,512,463; Oct. 21.
 Halling, Charles O., (See Moe, I. A., and Halling.)
 Hammes, John H., assignor to Sewell Cushion Wheel Company, Detroit, Mich. Steering wheel. 1,512,847; Oct. 21.
 Hampden Glazed Paper & Card Company, (See Fowler, William S., assignor.)
 Hampden Glazed Paper & Card Company, (See Mar-wede, Richard L., assignor.)
 Hanshaw, Clarence M., Seattle, Wash. Agriculture im-plement. 1,512,596; Oct. 21.
 Hancock, Philip R., Butte, Mont. Clutch. 1,512,760; Oct. 21.
 Hanemann, Paul, and H. Strack, Long Prairie, Minn., as-signor, by mesne assignments, to The Universal Tiller Corporation. Anti-side-draft plow. 1,512,535; Oct. 21.
 Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,512,170; Oct. 21.
 Harberson, Edward M., Los Angeles, Calif. Slip-sleeve valve. 1,512,333; Oct. 21.
 Hard Manufacturing Co., (See Kray, William L., as-signor.)
 Harlacher, Byrd L., (See Sowers, T. E., and Harlacher.)
 Harley, Florence D., San Francisco, Calif. Novelty doll. 65,807; Oct. 21.
 Harmon, Alton D., Erie, Pa. Moistening device. 1,512,597; Oct. 21.
 Harnett, James H., Nutley, N. J. Flier. 1,512,220; Oct. 21.
 Harper, George A., Shreveport, La. Dental impression tray. 1,512,686; Oct. 21.
 Harriman, George W. R., Malden, Mass. Geographical compilation. 1,512,598; Oct. 21.
 Harrison, John F., Toronto, Ontario, Canada. Bag holder. 1,512,421; Oct. 21.
 Hart and Hutchinson Manufacturing Company, (See Anderson, Gustave H., assignor.)
 Hartman, Harry B., assignor to Electric Water Steril-izer & Ozone Company, Scottsdale, Pa. Ozone gen-erator. 1,512,285; Oct. 21.
 Hatcher, Oscar M., and J. C. Campbell, Mankato, Minn. Arbor press. 1,512,422; Oct. 21.
 Haughton, Frank A., Schenectady, N. Y., assignor to General Electric Company. Commutator for dynamo-electric machines. 1,512,221; Oct. 21.

Hawken, Gloria A., Whangarei, Auckland, New Zealand. Gate. 1,512,089; Oct. 21.
 Hawley, Roy D., Oakland, Calif. Dispensing cabinet. 1,512,423; Oct. 21.
 Hayes, Harvey C., Washington, D. C. Follow-up mecha-nism. 1,512,222; Oct. 21.
 Heavin, Ernest, Coatesville, Ind. License-plate holder. 1,512,335; Oct. 21.
 Hebert, Victor, New Iberia, La. Percolator. 1,512,761; Oct. 21.
 Hedgecock, William C., assignor to American Steel Found-ries, Chicago, Ill. Six-wheel truck. 1,512,509; Oct. 21.
 Heer, Ernest, Dubuque, Iowa. Automobile signal. 1,512,848; Oct. 21.
 Heintz Manufacturing Company, (See Lambert, Albert L., assignor.)
 Hekrdle, Frank J., Davidson, Saskatchewan, Canada. Match box. 1,512,404; Oct. 21.
 Heller-Aller Company, The, (See Ritz, Frederick, as-signor.)
 Hellmers, Henry D., Las Vegas, Nev., assignor to West End Chemical Company, Oakland, Calif. Centrifugal separator. 1,512,687; Oct. 21.
 Henderson, John R., Hamlet, N. C. Portable wardrobe. 1,512,334; Oct. 21.
 Hendrickson, Walter H., assignor to A. C. Clark & Com-pany, Chicago, Ill. Altitude oxygen apparatus. 1,512,022; Oct. 21.
 Henry, Ferdinand G., Philadelphia, Pa., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y. Machine for polishing razor blades. 1,512,688; Oct. 21.
 Henry, Ferdinand G., New York, assignor, by mesne as-signments, to Walden Knife Company, Walden, N. Y. Machine for operating on blades. 1,512,889; Oct. 21.
 Hermann, Max P., Philadelphia, Pa. Pocketknife. 1,512,689; Oct. 21.
 Herrstrum, Ernest H., Moline, Ill. Dividers and callipers. 1,512,690; Oct. 21.
 Hess, Edward B., New York, and L. C. Myers, Freeport, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,512,600; Oct. 21.
 Hibbins, Thomas A., assignor to The Stevenson Company, Wellsville, Ohio. Foundry Mixer. 1,512,536; Oct. 21.
 Higgins, William E., Milwaukee, assignor to Frank Hol-ton & Co., Elkhorn, Wis. Musical wind instrument. 1,512,023; Oct. 21.
 Hilker, Alexander W., (See Setter, Michael B., assignor.)
 Hill, William H., assignor to Fox Furnace Company, Elyria, Ohio. Controller for heat-regulating appliances. 1,512,091; Oct. 21.
 Hindle, Thomas, Glossop, and A. E. Birch, Dinting, England. Machine for washing the blankets of print-ing machines. 1,512,537; Oct. 21.
 Hirtz, Isidore, New York, N. Y. Combination sandwich holder and advertising device. 1,512,090; Oct. 21.
 Hitch, Walter D., and O. R. Graf, New Albany, Ind. Tensioning device. 1,512,336; Oct. 21.
 Hitchcock, Forrest L., assignor to The Marietta Manufac-turing Company, Indianapolis, Ind. Feeding device for glass furnaces. 1,512,223; Oct. 21.
 Hoar, Roger S., Concord, Mass., assignor to John W. Weeks, Secretary of War of the United States of Amer-ica, trustee. Determining true north, latitude, and ap-proximate sidereal time, or any of them. 1,512,601; Oct. 21.
 Hocker, Carl D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plas-tic composition. 1,512,024; Oct. 21.
 Hodges, Alexander, Headland, Ala. Fertilizer distribu-tor. 1,512,762; Oct. 21.
 Hodshop, Ernest E., Nutley, N. J. Hat. 1,512,465; Oct. 21.
 Hoff, Carlton L., (See Naugle, G. G., and Hoff.)
 Hoff, Carlton L., (See Naugle, Girardus G., assignor.)
 Hoffman, Fred S., (See Connor, James F., assignor.)
 Hoffman, Rudolph, Kankakee, Ill. Collapsible shutter. 1,512,092; Oct. 21.
 Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Line-lock mechanism and margin stop. 1,512,025; Oct. 21.
 Hoke, Harry A., Altoona, Pa. Crosshead pin. 1,512,093; Oct. 21.
 Holbrook, Arthur E., Joplin, Mo. Combined hydraulic clutch and transmission mechanism. 1,512,538; Oct. 21.
 Holden, Charles L., and W. Kaedler, Kings Mills, assign-ors to The Peters Cartridge Company, Cincinnati, Ohio. Bullet. 1,512,026; Oct. 21.
 Holland, Thomas R., Wenatchee, Wash. Lifting jack. 1,512,224; Oct. 21.
 Holley, Clarence M., and E. P. Oswald, Detroit, Mich., assignor, by mesne assignments, to The Hoover Com-pany, North Canton, Ohio. Automatic load-control device for electric motors. 1,512,890; Oct. 21.
 Holmgren, Julius H., San Antonio, Tex. Reinforcement for concrete structures. 1,512,763; Oct. 21.
 Holmquist, August, sr., Hoopston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Can-filling machine. 1,512,764; Oct. 21.
 Holton, Frank & Co., (See Higgins, William E., as-signor.)
 Holton, Wesley B., Selma, Calif. Tray holder. 1,512,539; Oct. 21.

Homing, Michael, Buhl, Idaho. Undergarment. 1,512,171; Oct. 21.
 Hoover Company, The, (See Holley, C. M., and Oswald, assignors.)
 Hope Webbing Company, (See Horton, Charles A., as-signor.)
 Hopkins, James W., (See Adkins, Robbie L., assignor.)
 Hopkinson, Ernest, New York, N. Y. Manufacture of tire casings. 1,512,004; Oct. 21.
 Hopkinson, Ernest, New York, N. Y., and K. B. Cook, East Orange, N. J., assignors to Morgan & Wright, De-troit, Mich. Method and apparatus for rubberizing filamentary material. 1,512,095; Oct. 21.
 Hopkinson, Ernest, New York, N. Y. Process and appa-ratus for manufacturing weftless fabric. 1,512,096; Oct. 21.
 Horechney, Frank S., Fort Kamehameha, Hawaii. Com-bination monkey wrench. 1,512,097; Oct. 21.
 Horne, James B., St. Charles, Ill. Cigarette tray. 1,512,765; Oct. 21.
 Horrall, Darwin S., (See Palmblade, Ruger, assignor.)
 Horton, Charles A., Providence, assignor to Hope Web-bing Company, Pawtucket, R. I. Making curved fab-rics. 1,512,286; Oct. 21.
 Horton, Charles A., Providence, assignor to Hope Web-bing Company, Pawtucket, R. I. Making collars and like articles. 1,512,287; Oct. 21.
 Horton Manufacturing Company, The, (See Thorpe, Samuel T., assignor.)
 Hooser, Alfred A., (See Petty, C. L., and Hooser.)
 Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sifter cap. 1,512,540; Oct. 21.
 Houdlett, Emil, Brooklyn, N. Y. Attachment for musical instruments of the banjo type. 1,512,766; Oct. 21.
 Hough, Edward B., assignor to Wightman and Hough Company, Providence, R. I. Cigarette case. 1,512,098; Oct. 21.
 Hough, Edward B., Cranston, assignor to Wightman and Hough Company, Providence, R. I. Cigarette case. 1,512,099; Oct. 21.
 Hough, Herbert D., Cranston, assignor to Wightman and Hough Company, Providence, R. I. Cigar and cigarette case. 1,512,100; Oct. 21.
 Howard, Clifford, Sturgis, Mich. Collar button. 1,512,541; Oct. 21.
 Howarth, John F., (See Bragg, T. M., and Howarth.)
 Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system. 1,512,288; Oct. 21.
 Hubbard, Arthur O., deceased; N. H. Hubbard, executrix, assignor to Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Wringer. 1,512,691; Oct. 21.
 Hubbard, Arthur O., deceased; N. H. Hubbard, executrix, assignor to Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Metal clothes wringer. 1,512,692; Oct. 21.
 Hubbard, Nellie H., executrix, (See Hubbard, Arthur O.)
 Hulise, Edison G., (See Marshall, T. C., and Hulise.)
 Hulise, Edison G., assignor to Kelly-Springfield Tire Com-pany, Cumberland, Md. Vehicle tire. Des. 65,808; Oct. 21.
 Hulise, Edison G., assignor to Kelly-Springfield Tire Com-pany, Cumberland, Md. Vehicle tire. Des. 65,809; Oct. 21.
 Hundley, Edwin B., Louisville, Ky. Printer's furniture. 1,512,172; Oct. 21.
 Hunt, Donovan D., Louisville, Ky. Heater. 1,512,173; Oct. 21.
 Hutchins Car Roofing Company, (See Wilson, Alfred R., assignor.)
 Hydraulic Manufacturing Co., (See Turnsek, Oswald J., assignor.)
 Iddings, Roscoe C., assignor to Fyr-Fyter Company, Day-ton, Ohio. Fire extinguisher. 1,512,767; Oct. 21.
 Ide, Harry H., assignor to Kellogg Switchboard and Sup-ply Company, Chicago, Ill. Telephone system. 1,512,101; Oct. 21.
 If, Werner, Flawil, Switzerland, assignor to the Firm Buhler Brothers. Grinding products containing a high percentage of grease, such as almonds, coffee beans, cacao beans, and the like. 1,512,466; Oct. 21.
 Ilmer, Louis, Cortland, N. Y. Fuel pump for internal-combustion engines. 1,512,102; Oct. 21.
 Innes, George, assignor to Innes Shocker Company, Philadel-phia, Pa. Grain shocker. 1,512,768; Oct. 21.
 Innes, George, assignor to Innes Shocker Company, Philadelphia, Pa. Grain shocker. 1,512,769; Oct. 21.
 Innes Shocker Company, (See Innes, George, assignor.)
 Instant Electric Water Heater Company, (See Carlson, Andron H., assignor.)
 International Braid Company, (See Dennis, John R., assignor.)
 International Harvester Company, (See Beall, William L., assignor.)
 International Harvester Company, (See Grieves, Albert, assignor.)
 International Mailing Tube & Wrapper Company, The, (See Greve, Herman L., assignor.)
 International Motor Company, (See Lelpert, August H., assignor.)
 Isaac, Bessie J., Jackson, Mich. Toilet-seat cleaner. 1,512,174; Oct. 21.
 Isham, John B., Hampden, Mass. Toilet-paper-holder attachment. 1,512,849; Oct. 21.

Ivins, William T., Hamilton, Ohio. Liner. 1,512,542; Oct. 21.
 Jackson, Joseph E., Galesburg, Ill. City and rural mail box. 1,512,337; Oct. 21.
 Jackson, Raymond, Los Angeles, Calif. Medicinal vapor-izer. 1,512,338; Oct. 21.
 Jaegers, Albert, Suffern, N. Y., assignor to The Segar Studios Inc. Inkstand or similar article. Des. 65,810; Oct. 21.
 Jakob, Victor, and G. L. Pederson, Racine, Wis. Bumper-bar hanger. 1,512,770; Oct. 21.
 Janssen, George, Quincy, Ill. Combined jack and bumper for automobiles. 1,512,027; Oct. 21.
 Jeffrey-Dewitt Company, The, (See Nagle, Joseph A., assignor.)
 Jenkins, Fredrick A. E., Sydney, New South Wales, Aus-tralia. Diaphragm for sound reproduction. 1,512,850; Oct. 21.
 Jenkins, Fredrick A. E., Sydney, New South Wales, Aus-tralia. Stylus bar for talking machines. 1,512,851; Oct. 21.
 Jesse, Charles V., Ivan, Tex. Shears. 1,512,175; Oct. 21.
 Johnson, Algot T., Jamestown, N. Y. Tool. 1,512,176; Oct. 21.
 Johnson, Edward E., St. Paul, Minn. Sewage screen. 1,512,028; Oct. 21.
 Johnson, Gustaf I., Malden, Mass. Flash light. 1,512,467; Oct. 21.
 Johnson, Gustaf I., Malden, Mass. Flash light. 1,512,468; Oct. 21.
 Johnson, Robert, and A. Moreau, New Bedford, Mass. Expandable reamer. 1,512,339; Oct. 21.
 Jones, David W., Chicago, Ill., assignor to C. A. Bailey and G. D. Bailey, Kalamazoo, Mich. Vehicle steering gear. 1,512,424; Oct. 21.
 Jones, George F., Cheadle Hulme, and T. L. Hale, Bolton, England, assignors to The Ramsay Condensing Loco-motive Company Limited, Glasgow, Scotland. Evap-orative condenser for steam or other vapors. 1,512,602; Oct. 21.
 Jones, Louis B., (See Smithers, B. E., and Jones.)
 Jordan, James J., (See Russell, F. E., and Jordan.)
 Juillard, Ernest, assignor to Ateliers H. Cuénod Société Anonyme, Geneva, Switzerland. Induction motor. 1,512,693; Oct. 21.
 Jury, Frank W., Milwaukee, Wis. Gear cutter. 1,512,543; Oct. 21.
 Kaban, Joseph K., Jersey City, N. J. Shawl. Des. 65,811; Oct. 21.
 Kaban, Joseph K., Jersey City, N. J. Shawl. Des. 65,812; Oct. 21.
 Kaban, Joseph K., Jersey City, N. J. Shawl. Des. 65,813; Oct. 21.
 Kaban, Joseph K., Jersey City, N. J. Shawl. Des. 65,814; Oct. 21.
 Kaban, Joseph K., Jersey City, N. J. Shawl. Des. 65,815; Oct. 21.
 Kallnbach, Carl A., Chicago, Ill. News stand. 1,512,694; Oct. 21.
 Kalweit, Edward, Brooklyn, assignor to Belove Watch Case Co., New York, N. Y. Watchcase. 1,512,544; Oct. 21.
 Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Remote control system. 1,512,103; Oct. 21.
 Kamp, Alphonse, Ostend, Belgium. Bogie for railway and like carriages. 1,512,340; Oct. 21.
 Kaplan, Viktor, Brunn, Czechoslovakia. Runner wheel for turbines, etc. 1,512,545; Oct. 21.
 Karl, Gustav, (See Gharst, W. B., and Karl.)
 Kasser, Morris, San Francisco, Calif. Egg-processing machine. 1,512,603; Oct. 21.
 Kaynor, Warren F., assignor to Waterbury Button Com-pany, Waterbury, Conn. Street-car token. 1,512,604; Oct. 21.
 Keever, Paul, assignor to White Heat Products Com-pany, West Chester, Pa. Forming abrading articles. 1,512,177; Oct. 21.
 Keller, Joseph F., New York, assignor to Keller Mechani-cal Engineering Corporation, Brooklyn, N. Y. Metal mold. 1,512,695; Oct. 21.
 Keller Mechanical Engineering Corporation, (See Keller, Joseph F., assignor.)
 Kellogg, Lewis M., Los Angeles, Calif. Centrifugal con-centrator. 1,512,469; Oct. 21.
 Kellogg Switchboard and Supply Company, (See Ide, Harry H., assignor.)
 Kelly-Springfield Tire Company, (See Hulise, Edison G., assignor.)
 Kelly-Springfield Tire Company, (See Marshall, T. C., and Hulise, assignors.)
 Kennedy, Frederick L., Cleveland, Ohio. Moisture and vermin proof material. 1,512,104; Oct. 21.
 Kettering, Charles F., and G. A. Buringer, assignors, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Water system. 1,512,029; Oct. 21.
 Khalil, Seyed, Newark, N. J. Coin or change holding and delivering device. 1,512,470; Oct. 21.
 Kiehlberg, Henry, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Sheet-metal oven. 1,512,178; Oct. 21.
 Kiehlberg, Henry, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Shield for oven racks. 1,512,179; Oct. 21.

Kimble, Austin, assignor to Marathon Electric Mfg. Co., Wausau, Wis. Pulley-ventilating means. 1,512,546; Oct. 21.

King, Lee Way. (See Loy, Lum Sang, assignor.)

Kipper, Herman B., Muskegon, Mich. Speeding chemical reactions. 1,512,225; Oct. 21.

Kipper, Herman B., Muskegon, Mich. Making hydrochloric acid and sodium sulphate. 1,512,226; Oct. 21.

Kirchner, Henry W., St. Louis, Mo. System of transportation. 1,512,030; Oct. 21.

Kisner, William C., Watson, W. Va. Wrench. 1,512,180; Oct. 21.

Kitauto Company. (See Des Rosiers, John B., assignor.)

Klein, Benjamin W., New York, N. Y. Abrading machine. 1,512,547; Oct. 21.

Klein, Benjamin W., New York, N. Y. Abrading machine. 1,512,548; Oct. 21.

Klein, Fred E., Cincinnati, assignor of one-half to M. G. Rosenthal, Cleveland, Ohio. Laundry-tag system. 1,512,090; Oct. 21.

Klein, Frederick, College Point, assignor to National Indicator Company, Long Island City, N. Y. Tension mechanism for brading machines. 1,512,605; Oct. 21.

Klein, George J., Cleveland, Ohio. Wall lamp. 1,512,606; Oct. 21.

Klencke, Hans. (See Schmiedel, T. and Klencke.)

Klopfenstein, Jonas, Portland, Oreg. Meat saw. 1,512,425; Oct. 21.

Klotz, Theodor, Thonau, Switzerland. Controlling means for electric heaters. 1,512,106; Oct. 21.

Knapp, James H., Los Angeles, Calif. Heating furnace. 1,512,607; Oct. 21.

Knapp, Karl, Halle-on-the-Saale, Germany. Illuminating plant for vehicles, specially motor cycles. 1,512,106; Oct. 21.

Knechtel, Alfred, Tampico, Mexico. Tree-cutting machine. 1,512,181; Oct. 21.

Knedler, William. (See Holden, C. L., and Knedler.)

Knickerbocker Case Company. (See Labadie, H. H., Beers, and Krueger, assignors.)

Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Dressing attachment for grinding machines. 1,512,608; Oct. 21.

Knox Motors. (See Cave, Henry, assignor.)

Koch, Henry C., Johnstown, Pa. Toy sounding wheel. 1,512,107; Oct. 21.

Kohn, Samuel, New York, N. Y. Automatic start and stop mechanism for phonographs. 1,512,426; Oct. 21.

Koelkebeck, Carl W. A., Pittsburgh, Pa. Chain. 1,512,609; Oct. 21.

Koellner, Louis F., St. Louis, Mo. Jet exhauster. 1,512,697; Oct. 21.

Kohlschütter, Volkmar, Bern, Switzerland. Obtaining solids of predetermined degrees of dispersion. 1,512,897; Oct. 21.

Kolb, John W., Harrison, Ohio. Sanitary cow stall. 1,512,610; Oct. 21.

Kolstad, Otto, assignor to C. F. Church Manufacturing Co., Holyoke, Mass. Hinge for the seats and covers of water-closets and the like. 1,512,098; Oct. 21.

Konetsky, Milton J., San Francisco, Calif. Tractor hitch. 1,512,611; Oct. 21.

König, Adolf, Hoboken, N. J., assignor to H. K. Lorentzen, New York, N. Y. Workpiece holder for saw-blade-manufacturing machines. 1,512,031; Oct. 21.

Korach, Louis L., Chicago, Ill. Tuning key for pianos. 1,512,699; Oct. 21.

Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Water-bottle stopper. 1,512,894; Oct. 21.

Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Pipe coupling. 1,512,895; Oct. 21.

Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Rim nut or the like. 1,512,896; Oct. 21.

Kray, William L., assignor to Hard Manufacturing Co., Buffalo, N. Y. Finish for metal articles and producing the same. 1,512,612; Oct. 21.

Krueger, Theodore A. (See Labadie, H. H., Beers, and Krueger.)

Kuentzel, Curt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building apparatus. 1,512,108; Oct. 21.

Kuhn, Albert, Pasadena, Calif. Milk and coffee dispenser. 1,512,341; Oct. 21.

Labadie, Harry H., B. B. Beers, and T. A. Krueger; said Beers and said Krueger assignors to Knickerbocker Case Company, Chicago, Ill. Cabin bag. 1,512,549; Oct. 21.

Labadie, Harry H., B. B. Beers, and T. A. Krueger, assignors to Knickerbocker Case Company, Chicago, Ill. Bag. 1,512,550; Oct. 21.

Lafer, Frank J., Seattle, Wash. Vehicle spring. 1,512,109; Oct. 21.

Lambert, Albert L., Narberth, assignor to Heints Manufacturing Company, Philadelphia, Pa. Frame structure for vehicle bodies. 1,512,700; Oct. 21.

Lamson Company, The. (See Amory, Robert, assignor.)

Lamson Company, The. (See Talsey, Fred R., assignor.)

Landers, Eray & Clark. (See Warner, Alonso A., assignor.)

Langner, Martin. (See Lavigna, John, assignor.)

Larson, Edwin B., and W. H. Murphy, Sanish, N. Dak. Piston-groove scraper. 1,512,110; Oct. 21.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley tender. 1,512,471; Oct. 21.

Latham, Jean A., Caudebec-on-Caux, France. Stay for aeroplanes, hydroplanes, and the like. 1,512,111; Oct. 21.

Lauson, John, Manufacturing Company, The. (See Edens, Henry N., assignor.)

Lavigna, John, assignor to M. Langner, Chicago, Ill. Railway clamp. 1,512,613; Oct. 21.

Lawler, Chester R., and J. Sunnar, Enterprise, Oreg. Logging truck. 1,512,771; Oct. 21.

Lawrence, William P., Colorado Springs, Colo. Metal rail for windows, doors, and the like. 1,512,112; Oct. 21.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Transformer. 1,512,032; Oct. 21.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Channel structure for tonneau panels. 1,512,113; Oct. 21.

Lee, Albert P., and M. C. Anderson, assignors to Lee Traller & Body Company, Chicago, Ill. Rear-dump vehicle. 1,512,227; Oct. 21.

Lee Traller & Body Company. (See Anderson, Magnus C., assignor.)

Lee Traller & Body Company. (See Lee, A. P., and Anderson, assignors.)

Leffer, Christoph, Brunswick, Germany. Safety device for water turbines. 1,512,114; Oct. 21.

Leighton, Richard T. (See Demel, Friedrich, assignor.)

Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Reinforcement for frames of motor vehicles. 1,512,472; Oct. 21.

Leland, Hubert E., New York, N. Y. Doll. Des. 65,816; Oct. 21.

Lemen, William W., Los Angeles, Calif., and D. G. Cunningham, Salt Lake City, Utah. Roller bearing. 1,512,473; Oct. 21.

Lengel, Albert L., Bakersfield, Calif. Automatic inking device for printing presses. 1,512,342; Oct. 21.

Le Tourneau, Robert G., Stockton, Calif. Scraper and spreader. 1,512,614; Oct. 21.

Levinson, Marcus M., Altadena, assignor to Wizard Manufacturing Company, Los Angeles, Calif. Hydrocarbon-vapor generator. 1,512,474; Oct. 21.

Levitt, Arthur F., Los Angeles, Calif. Wall construction and building block. 1,512,115; Oct. 21.

Levy, Isaac, New York, N. Y. Lighting fixture arm. Des. 65,817; Oct. 21.

Lewis, William Y. (See Adkins, B. R., and Lewis.)

Ljungström, Fredrik, Lidings-Brevik, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Turbine-driven locomotive. 1,512,852; Oct. 21.

Lifton, Samuel H., Brooklyn, N. Y. Brief case. 1,512,772; Oct. 21.

Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Winding machine. 1,512,116; Oct. 21.

Lidquist, Hakon G., Minneapolis, Minn. Flying machine. 1,512,773; Oct. 21.

Lithicum, William D., assignor of one-eighth to J. E. Glasscock and one-eighth to E. J. Lyon, Seattle, Wash. Airplane. 1,512,428; Oct. 21.

Little, Alexander E., assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass. Boot and shoe. 1,512,033; Oct. 21.

Little, John C., Chicago, Ill., assignor to H. G. Doran & Co., Footboard. 1,512,774; Oct. 21.

Little, John C., Chicago, Ill., assignor to H. G. Doran & Co., Chicago, Ill. Footboard. 1,512,775; Oct. 21.

Littleway Process Company, The. (See Little, Alexander E., assignor.)

Littleway Process Company, The. (See Reed, James H., assignor.)

Lockwood, Alfred A., London, England. Treating coal or other mineral and apparatus therefor. 1,512,701; Oct. 21.

Loomer, Henry M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breasting machine. 1,512,882; Oct. 21.

Lorant, Paul, Metz, France. Magnetic separator. 1,512,344; Oct. 21.

Lorentzen, Hans K. (See König, Adolf, assignor.)

Lorenz, William A., Hartford, Conn. Briquetting process and machine. 1,512,345; Oct. 21.

Lorenz, William A., Hartford, Conn. Closure for containers. 1,512,346; Oct. 21.

Lorenz, William A., Hartford, Conn. Closure for containers. 1,512,347; Oct. 21.

Lorenz, William A., Hartford, Conn. Closure for containers. 1,512,348; Oct. 21.

Lorenz, William A., Hartford, Conn. Closure for containers. 1,512,349; Oct. 21.

Loudon, John D., Shelbourne, Ontario, Canada. Service hoist. 1,512,429; Oct. 21.

Lough, Gerald A., Plainfield, N. J. Drying apparatus. 1,512,776; Oct. 21.

Love, Jack, Huron, S. Dak. Hair clipper. 1,512,777; Oct. 21.

Lower, Albert O., Coshocton, Ohio. Screen door and screen guard therefor. 1,512,853; Oct. 21.

Loy, John G., assignor to The Federal Porcelain Company, Carey, Ohio. Machinery for assembling nail knobs. 1,512,430; Oct. 21.

Loy, Lum Sang, assignor to Lee Way King, San Francisco, Calif. Tea basket. Des. 65,818; Oct. 21.

Luitwieler, Samuel W., Rochester, N. Y. Cam and spindle construction. 1,512,034; Oct. 21.

Lukens, William L. (See Carey, R. R. Lukens, and Mixsell.)

Lumus Cotton Gin Company. (See Grimes, Thaddeus B., assignor.)

Lundahl, Nels B., Berwyn, Ill. Dashboard-lamp cap. 1,512,778; Oct. 21.

Lundstrom, Axel W., New York, N. Y., assignor to General Electric Company. Electric switch box. 1,512,182; Oct. 21.

Lyon, Emma J., et al. (See Linthicum, William D., assignor.)

Lyth, John J., Valleyfield, Quebec, Canada. Fusible link. 1,512,117; Oct. 21.

Lyth, John J., Valleyfield, Quebec, Canada. Lug-strap holder for looms. 1,512,118; Oct. 21.

Lytle, Walter S., Philadelphia, Pa., assignor to The Veeder Manufacturing Company, Hartford, Conn. Word counter for typewriting machines. 1,512,475; Oct. 21.

Mabry, Gustrine M., New York, N. Y. Toy theatrical device. 1,512,351; Oct. 21.

Macaulay, Alvan, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,512,119; Oct. 21.

MacClatchie, John W., Bron, Calif. Cementing and circulating head. 1,512,619; Oct. 21.

Macdonald, Alysce A., Oakland, Calif. Marcelling iron. 1,512,620; Oct. 21.

Mach, Edward, assignor of one-half to S. B. Frank, Chicago, Ill. Tire carrier. 1,512,553; Oct. 21.

Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Plug packer. 1,512,621; Oct. 21.

MacLean, Andrew A. (See Rowe, James G., assignor.)

Madden, Harry D., Newark, N. J., assignor to Westinghouse Lamp Company. Tray-loading device. 1,512,703; Oct. 21.

Magnano Corporation. (See Magnano, Sebastiano, assignor.)

Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Apparatus for applying stop-motion pins to warp threads. 1,512,704; Oct. 21.

Magono, John, Boston, Mass. Pool or billiard cue. 1,512,554; Oct. 21.

Mah Jongg Company of China. (See Babcock, Joseph P., assignor.)

Malmén, H., Co. (See Malmén, H., and Freddy, assignors.)

Malmén, Hyman, and A. Freddy, New York, N. Y., assignors to H. Malmén Co., Inc. Cloth-cutting machine. 1,512,123; Oct. 21.

Malmén, Hyman, and A. Freddy, New York, N. Y., assignors to H. Malmén Co., Inc. Cloth-cutting machine. 1,512,124; Oct. 21.

Mallard, Nick, Brooklyn, N. Y. Receptacle for barbers' implements and the like. 1,512,352; Oct. 21.

Mandallan, Sabatelli G., North Attleboro, Mass. Ornamental plate for a bag frame. Des. 65,819; Oct. 21.

Mannucci, Ferdinando D., Hollywood, Calif. Bag. 1,512,228; Oct. 21.

Mansure, E. L., Company. (See Wotocek, John, assignor.)

Mantle Lamp Company of America, The. (See Davis, Cortland W., assignor.)

Manuel, Frederick G., and O. L. Reeves, Chicago, Ill.; said Reeves assignor to said Manuel. Baling press. 1,512,355; Oct. 21.

Marathon Electric Mfg. Co. (See Kimble, Austin, assignor.)

Marcel, John, New York, N. Y. Electric toasting machine. 1,512,122; Oct. 21.

Marcus, Max, Chicago, Ill. Combination bearing and corner bracket. 1,512,353; Oct. 21.

Marcy, Ernest H., Framingham, Mass. Hypodermic syringe. 1,512,294; Oct. 21.

Margaretten, Isidore, and M. Greenman, New York, N. Y. Flash-light opera glass. 1,512,705; Oct. 21.

Marietta Manufacturing Company, The. (See Hitchcock, Forrest L., assignor.)

Marsh, Ralph J., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Hollow-handle article. 1,512,622; Oct. 21.

Marshall, Thomas C., Mount Savage, and E. G. Hulse, assignors to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 65,820; Oct. 21.

Marston, Charles F., Brooklyn, N. Y., assignor to Auto-Automatic Signal Co., Inc. Operating means for rear-end vehicle signals. 1,512,854; Oct. 21.

Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company. Paper. Des. 65,821; Oct. 21.

Masland, Harvey C., Philadelphia, Pa. Surgical saw. 1,512,781; Oct. 21.

Massey, Hemsley B., Canton, Ohio. Air-cooled cylinder. 1,512,295; Oct. 21.

Mastenbrook, Henry J., Lakewood, Ohio, assignor to Parsons Manufacturing Company, Detroit, Mich. Automobile door hinge. Re15,934; Oct. 21.

Mathews, Sarah E., Honolulu, Hawaii. Doll. Des. 65,822; Oct. 21.

Maxim, Hudson, Hopatcong Borough, N. J. Liquid composition for driving self-propelled torpedoes. 1,512,354; Oct. 21.

Maxwell, Charles E., Brighton, Mass. Refrigerating apparatus. 1,512,028; Oct. 21.

Maxwell, George H., Phoenix, Ariz. Shoe-bottom-filling machine. 1,512,229; Oct. 21.

Maxwell, George H., Phoenix, Ariz. Shoe-bottom-filler machine. 1,512,230; Oct. 21.

Mayotte, Phillis, Escanaba, Mich. Sash fastener and lock. 1,512,855; Oct. 21.

McAfee, George A. (See Baluta, L. S., and McAfee.)

McBride, Thomas J., Christchurch, New Zealand. Seed-machine. 1,512,615; Oct. 21.

McCabe, George R., Elkhorn, Wis. Pencil. 1,512,779; Oct. 21.

McCambridge, Thomas F., Akron, Ohio. Vehicle wheel. 1,512,616; Oct. 21.

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,512,120; Oct. 21.

McCarty, James, Hartford, Conn. Faucet-handle construction. 1,512,702; Oct. 21.

McCarty, Robert. (See Gordon, B., Jr., and McCarty.)

McClenny, Robert J., assignor to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Wire-attaching machine. 1,512,780; Oct. 21.

McConachie, Paul E., Jetmore, Kans. Feeding and watering trough for animals. 1,512,617; Oct. 21.

McCorkle, Donald H., Berkeley, Calif. Electric heater. 1,512,289; Oct. 21.

McCorkle, William M., and W. H. Wilson, Nashua, Mo. Disk scouring and polishing apparatus. 1,512,350; Oct. 21.

McDonald, Herschel V., Taylorville, Ill. Lock washer. 1,512,551; Oct. 21.

McDonald, Thomas W., Avondale, Mo. Tree stock guard. 1,512,618; Oct. 21.

McGaughey, Thomas E., New Bedford, Mass. Album for photographs. 1,512,290; Oct. 21.

McGuire, Frank A., Iola, Kans. Tray holder for beds. 1,512,291; Oct. 21.

McGuire, William G., St. Louis, Mo. Shoe polisher. 1,512,292; Oct. 21.

McKinney Manufacturing Company. (See Cade, Charles W., assignor.)

McLaren, William W., assignor of one-fourth to I. C. Beatty, Birmingham, Ala. System of telephony and telegraphy. 1,512,293; Oct. 21.

McLean, Embury, Brooklyn, assignor to The Engineer Company, New York, N. Y. Furnace control. 1,512,121; Oct. 21.

McMillon, Penny S., Quinlan, Tex. Hanger for sliding doors. 1,512,552; Oct. 21.

Mende, Emmanuel, Bern, Switzerland. Making surface coverings. 1,512,125; Oct. 21.

Mentzer, Merle S., Pawnee, Okla. Combined lifting jack and rim tool. 1,512,624; Oct. 21.

Meredith, William, et al. (See Foster, Walter L., assignor.)

Mergott, J. E., Co., The. (See Fuller, Franz A., assignor.)

Merritt, James W., Norfolk, Va. Chipping tool. 1,512,355; Oct. 21.

Metallurgical Development Corporation. (See Wescott, Ernest W., assignor.)

Meyer & Wenthe. (See Meyer, Gustav A. J., assignor.)

Meyer, Charles H., trustee. (See Wilsey, Irven H., assignor.)

Meyer, Gustav A. J., assignor to Meyer & Wenthe, Chicago, Ill. Seal press. 1,512,476; Oct. 21.

Michel, Edmond, assignor to Electric Hand Saw Company, Inc., New Orleans, La. Rotary cutting implement. 1,512,296; Oct. 21.

Michelet, Wilhelm J., Seattle, Wash., assignor, by mesne assignments, to Auto Pullman Company. Convertible furniture. 1,512,782; Oct. 21.

Middleton, Arthur B. (See Stenning, W. W., Williams, Beasley, and Middleton.)

Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)

Miehle Printing Press & Manufacturing Company. (See Stevens, Burt D., assignor.)

Miller, Charles J. S., Franklin, Pa. Composition for dispelling fogs. 1,512,783; Oct. 21.

Miller, David B., Greenfield, Mass. Tap wrench. 1,512,133; Oct. 21.

Miller, James S., Trenton, N. J. Process and machine for grinding completed plates of artificial dentures. 1,512,126; Oct. 21.

Miller, Jannette, Eau Claire, Wis. Ice retainer. 1,512,556; Oct. 21.

Miller, Joseph F., Elizabeth, N. J. Hack-saw blade. 1,512,625; Oct. 21.

Miller, Thomas B., Kansas City, Mo. Floor-board adjuster and clamp. 1,512,356; Oct. 21.

Mills, Ronald V., Sandy Spring, Md., assignor to P. O. Nyce, Washington, D. C. Method of and apparatus for protecting metal tanks against corrosion. 1,512,557; Oct. 21.

Mitchell, Arthur, Toledo, Ohio. Time card. 1,512,784; Oct. 21.

Minerals Separation North American Corporation. (See Stenning, W. W., Williams, Beasley, and Middleton, assignors.)
 Mittasch, Johannes, Heidelberg, Germany. Diaphragm for the objectives of stereocameras. 1,512,785; Oct. 21.
 Mixsell, Leighton N. D. (See Carey, R. R., Lukens, and Mixsell.)
 Moe, Ingmar A., and C. O. Halling, Milan, Minn. Egg candling and measuring device. 1,512,297; Oct. 21.
 Moeglen, Désiré M. (See Ramsay, M. U., and Moeglen.)
 Montgomery, William J., Montgomery, Ala. Surgical splint. 1,512,558; Oct. 21.
 Moore, Chester J., Erie, Pa. Adjustable-jaw wrench. 1,512,559; Oct. 21.
 Moore, William E., Beaver Falls, Pa., assignor to Pittsburgh Research Corporation. Gear wheel. 1,512,560; Oct. 21.
 Moreau, Amédée. (See Johnson, R., and Moreau.)
 Morgan & Wright. (See Hopkins, E., and Cook, assignors.)
 Morton, Harry D., New York, N. Y. Welding electrode. 1,512,786; Oct. 21.
 Morton, Harry D., New York, N. Y. Effecting continuous electric-arc welds. 1,512,787; Oct. 21.
 Morton, Harry D., New York, N. Y. Electric-arc-welding apparatus and operating the same. 1,512,788; Oct. 21.
 Morton, Harry D., New York, N. Y. Electric-arc-welding machine and operating the same. 1,512,789; Oct. 21.
 Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
 Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
 Mueller, Machine Tool Company, The. (See Mueller, Oscar W., assignor.)
 Mueller, Oscar W., assignor to The Mueller Machine Tool Company, Cincinnati, Ohio. Safety means for drilling machines. 1,512,231; Oct. 21.
 Mueller, Paul M., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Bench-type gear-testing machine. 1,512,626; Oct. 21.
 Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Pipe coupling. 1,512,298; Oct. 21.
 Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Swivel bubbling head. 1,512,627; Oct. 21.
 Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Antifreezing drinking fountain. 1,512,628; Oct. 21.
 Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Bubbler head. 1,512,629; Oct. 21.
 Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Housing for water fixtures. 1,512,630; Oct. 21.
 Müller, Bruno, Berlin-Neukölln, Germany. Machine for removing the pulp or core in coconuts and the like. 1,512,790; Oct. 21.
 Müller, Eugen L., Munich, Germany. Motor drive for motor-driven conveyances. 1,512,232; Oct. 21.
 Müller, Friedrich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Universal relieving machine. 1,512,631; Oct. 21.
 Murphy, Walter H. (See Larson, E. B., and Murphy.)
 Murphy, Walter P. (See Gilpin, Garth G., assignor.)
 Murphy, Walter P., New York, N. Y. Box-car door. 1,512,233; Oct. 21.
 Murphy, Walter P., New York, N. Y. Car end. 1,512,234; Oct. 21.
 Musselman, George A., Mansfield, Ohio. Cashier's protector. 1,512,791; Oct. 21.
 Myers, Lewis C. (See Hess, E. B., and Myers.)
 Nagle, Joseph A., Columbus, Ohio, assignor to The Jeffery-Dewitt Company, Detroit, Mich. Temporary binder for ceramic bodies. 1,512,299; Oct. 21.
 Naismith, John A. (See Greenley, J. S., and Naismith.)
 National Blank Book Company. (See Schade, John, assignor.)
 National Indicator Company. (See Klein, Frederick, assignor.)
 Naugle, Girardus G., and C. L. Hoff, York, Pa.; said Naugle assignor to said Hoff. Screw-driver attachment. 1,512,706; Oct. 21.
 Naugle, Girardus G., assignor to C. L. Hoff, York, Pa. Universal spark-plug tester. 1,512,707; Oct. 21.
 Naumann, Willy, Bielefeld, Germany. Cash register. 1,521,357; Oct. 21.
 Naylor, Carl G. (See Robertson, R. R., and Naylor.)
 Naylor-Robertson Company. (See Robertson, R. R., and Naylor, assignors.)
 Neill, Bertram, Norwalk, Calif. Gas and oil separator. 1,512,358; Oct. 21.
 Nelson, Anton, Sauk Center, Minn. Platform attachment for windows. 1,512,792; Oct. 21.
 Nelson, Arthur B., Aberdeen, S. Dak. Electrical soldering iron. 1,512,359; Oct. 21.
 Nelson Brothers Company. (See Nelson, Harry B., assignor.)
 Nelson, Erik W., New Rochelle, N. Y. Motion-picture camera. 1,512,477; Oct. 21.
 Nelson, Harry B., assignor to Nelson Brothers Company, Saginaw, Mich. Pump jack. 1,512,478; Oct. 21.
 Neuenschwander, Lewis, assignor to Electric Fruit Marking Co., Los Angeles, Calif. Inking device for marking machines. 1,512,300; Oct. 21.

Newman, Walter H., Buffalo, N. Y. Double-slip switch fitting. 1,512,127; Oct. 21.
 Newton, John R., Philadelphia, Pa. Textile fabric. Des. 65,823; Oct. 21.
 Newton, John R., Philadelphia, Pa. Textile fabric. Des. 65,824; Oct. 21.
 Newton, John R., Philadelphia, Pa. Textile fabric. Des. 65,825; Oct. 21.
 Nicholas Power Company. (See Uhlemann, Theodore F., assignor.)
 Nichols, Charles J., executor. (See Angus, William.)
 Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
 Niles-Bement-Pond Company. (See Wildhaber, Ernest, assignor.)
 Nixon, Jeddy D., assignor to W. K. M. Company, Inc., Houston, Tex. Combination set-down and screw-off packer. 1,512,301; Oct. 21.
 Noble, Leslie D., Detroit, Mich. Foot support. 1,512,302; Oct. 21.
 Nolde & Horst Co., The. (See Stoehrel, Friedrich H., assignor.)
 Nuschak, Francesco, Trieste, Italy. Astronomic nautical apparatus. 1,512,856; Oct. 21.
 Nu-Way Harrel and Machinery Co. (See McClenny, Robert J., assignor.)
 Nyce, Peter O. (See Mills, Ronald V., assignor.)
 O'Brien, Parker J., Brooklyn, N. Y. Cap. 1,512,128; Oct. 21.
 O'Connor, Malcolm S. S., Lucknow, United Provinces, India. Fastening means for railway-wagon doors and the like. 1,512,632; Oct. 21.
 Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
 Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
 Oil Well Supply Company. (See Mack, Patrick H., assignor.)
 Oldson, John A., assignor to Wyman-Gordon Company, Worcester, Mass. Balanced crank shaft. 1,512,479; Oct. 21.
 Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Air lifting and cleaning system. 1,512,561; Oct. 21.
 Oliver, Steve, Whipple Barracks, Yavapai County, Ariz. Comb. 1,512,857; Oct. 21.
 Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Odometer. 1,512,035; Oct. 21.
 Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Odometer. 1,512,036; Oct. 21.
 Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Automatic light control for adjustable searchlights. 1,512,037; Oct. 21.
 Orr, Carleton A., assignor to The Baker Steam Motor Car and Manufacturing Co., Inc., Pueblo, Colo. Boiler blow-off. 1,512,360; Oct. 21.
 Oswald, Earl P. (See Holley, C. M., and Oswald.)
 Otis Automatic Train Control Incorporated. (See Bissell, David J., Jr., assignor.)
 Owens Bottle Company, The. (See Ferngren, Enoch T., assignor.)
 Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
 Pace, James F., Grove, Okla. Mower attachment. 1,512,303; Oct. 21.
 Packard Motor Car Company. (See Church, Harold D., assignor.)
 Packard Motor Car Company. (See Macauley, Alvan, assignor.)
 Paff, Albert N., Beaver Falls, Pa. Apparatus for holding and dispensing rolls of sheet metal. 1,512,129; Oct. 21.
 Pajean, Charles H., Evanston, Ill., assignor to The Toy Tinkers, Inc. Wheeled toy. Des. 65,826; Oct. 21.
 Palmblade, Ruger, assignor of one-half to D. S. Horrall, Phoenix, Ariz. Range boiler. 1,512,480; Oct. 21.
 Palmer, Cassius C., New York, N. Y. Refrigerating machine. 1,512,793; Oct. 21.
 Paratore, Raoul J., New Orleans, La. Paper cutting and pasting machine. 1,512,481; Oct. 21.
 Pardue, William L., Lenoir City, Tenn. Towel rack. 1,512,130; Oct. 21.
 Parsons Manufacturing Company. (See Mastenbrook, Henry J., assignor.)
 Patterson, Ralph J., Watertown, Mass. Electric cooker. 1,512,482; Oct. 21.
 Patterson, Vinton G., Indianapolis, Ind. Oil burner. 1,512,131; Oct. 21.
 Pearson, Edward I., Toledo, Ohio. Vaporizing carburetor. 1,512,304; Oct. 21.
 Peck, Orrin B., Jr., Los Angeles, Calif. Apparatus for centrifugal concentration. 1,512,305; Oct. 21.
 Peckham, Albert E., Grand Rapids, Mich. Boot and shoe heel. 1,512,858; Oct. 21.
 Peckham, John A., Roxbury, Mass. Dental floss holder. 1,512,633; Oct. 21.
 Pederson, George L. (See Jakob, V., and Pederson.)
 Peerless Electric Company, The. (See Hadley, J. L., and Reibel, assignors.)
 Peltola, Tolva, Marquette, Mich. Music-leaf turner. 1,512,708; Oct. 21.

Pepper, Byron J., Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc. Automatic shut-off nozzle. 1,512,306; Oct. 21.
 Perfecto Gear Differential Company, The. (See Evans, Charles S., assignor.)
 Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,512,235; Oct. 21.
 Peters Cartridge Company, The. (See Holden, C. L., and Knedler, assignors.)
 Petersen, Hermod M., Christiania, Norway. Synchronizing apparatus on a long distance. 1,512,361; Oct. 21.
 Pettigrew, Fred N., Fox Lake, Wis. Drive for motor vehicles. 1,512,634; Oct. 21.
 Pfahl, Frederick G., assignor, by mesne assignments, to S. Severance Mfg. Company, Glassport, Pa. Gas and oil burner. 1,512,132; Oct. 21.
 Pfeiffer, John A., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive. 1,512,709; Oct. 21.
 Phelps, Henry C., Burbank, Calif. Piston-ring spring. 1,512,362; Oct. 21.
 Phelps, Paul, Columbus, Ohio, assignor to Vogt Brothers Mfg. Co., Louisville, Ky. Crusher. 1,512,236; Oct. 21.
 Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
 Phleger, Gilbert C., assignor to V. P. Phleger, Springfield, Ohio. Wrench. 1,512,363; Oct. 21.
 Phleger, Virdie P. (See Phleger, Gilbert C., assignor.)
 Pieper, Alphonse F., Rochester, N. Y. Lamp casing. Des. 65,827; Oct. 21.
 Pieper, Alphonse F., Rochester, N. Y. Lamp casing. Des. 65,828; Oct. 21.
 Pierce, Robert C., assignor to J. R. Gammeter, Akron, Ohio. Tire-head construction. 1,512,794; Oct. 21.
 Pierce, Robert C., assignor to J. R. Gammeter, Akron, Ohio. Tire-head construction. 1,512,795; Oct. 21.
 Pierce, Robert C., Belleville, N. J., assignor to J. R. Gammeter, Akron, Ohio. Tire-head reinforcement. 1,512,796; Oct. 21.
 Piersol, Robert J., Houston, and A. D. Riley, Crafton, assignors to Standard Chemical Company, Pittsburgh, Pa. Ore separator. 1,512,635; Oct. 21.
 Pierson, Henry G. (See Wolf, R., and Pierson.)
 Pine, William S., Ventura, Calif. Pump-rod-turning mechanism. 1,512,483; Oct. 21.
 Pittsburgh Research Corporation. (See Moore, William E., assignor.)
 Pohl, Charles H., Buffalo, N. Y. Cigarette-making device. 1,512,636; Oct. 21.
 Poklop, Henry F., Texhoma, Okla. Railway tie. 1,512,237; Oct. 21.
 Polygraphische Gesellschaft. (See Egli, Arnold A., assignor.)
 Pomeroy, S. H., Company. (See Wasserberger, Jacob, assignor.)
 Poritz, Frederick M., assignor to Star Chandler Company, Inc., New York, N. Y. Three-light body holder for a chandelier. Des. 65,829; Oct. 21.
 Poritz, Frederick M., assignor to Star Chandler Company, Inc., New York, N. Y. Two-light body holder for a chandelier. Des. 65,830; Oct. 21.
 Porter, Ernest M., Honolulu, Hawaii. Rotary cutter knife. 1,512,484; Oct. 21.
 Potter, Edison, Rochester, N. Y. Explosion engine. 1,512,710; Oct. 21.
 Potter, Thomas L., East Orange, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Refrigerating process and apparatus. 1,512,133; Oct. 21.
 Pouchain, Adolfo, Turin, Italy. Electric accumulator. 1,512,485; Oct. 21.
 Powell, Herbert S., Utica, N. Y. Muffler. 1,512,859; Oct. 21.
 Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
 Pratt & Whitney Company. (See Müller, Friedrich, assignor.)
 Pratt & Whitney Company. (See Mueller, Paul M., assignor.)
 Pratt, Walter H., Milwaukee, Wis. Wall chute. 1,512,307; Oct. 21.
 Price, Frank A., St. Louis, Mo. Fixture stud. 1,512,038; Oct. 21.
 Process Engineers Incorporated. (See De Cew, Judson A., assignor.)
 Pryor, Clarence E., Jersey City, N. J., assignor to J. A. Sweet, New York, N. Y. Bumper. 1,512,797; Oct. 21.
 Puffer-Hubbard Manufacturing Company. (See Hubbard, Arthur O., assignor.)
 Racett, Archill C., Brooklyn, N. Y. Nailing machine. 1,512,134; Oct. 21.
 Radford, John B., Valeria, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Street-lighting accessory. 1,512,039; Oct. 21.
 Radies, Leonard, Big Falls, Wis. Tractor. 1,512,562; Oct. 21.
 Radio Corporation of America. (See Sanford, Edward F., Jr., assignor.)
 Radley, Guy R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric generating system. 1,512,135; Oct. 21.
 Ramsay Condensing Locomotive Company Limited, The. (See Jones, G. F., and Hale, assignors.)

Ramsay, Marcel U., and D. M. Moeglen, Bois-Colombes, France. Worm hob for gear cutting. 1,512,798; Oct. 21.
 Rayment, Lancelot, Melbourne, and H. G. Fletcher, Footscray, near Melbourne, Victoria, Australia. Resilient wheel. 1,512,711; Oct. 21.
 Read, David Y., Washington, D. C., assignor to Elliott-Fisher Company. Paper table. 1,512,308; Oct. 21.
 Read, David Y., Washington, D. C., assignor to Elliott-Fisher Company. Platen equipment. 1,512,309; Oct. 21.
 Rechel, Edwin C., Keene, N. H. Spring motor. 1,512,136; Oct. 21.
 Reed, James H., Swampscott, assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass. Shoe and making the same. 1,512,238; Oct. 21.
 Reed, James H., Swampscott, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Staple. 1,512,040; Oct. 21.
 Reed, James H., Swampscott, assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass. Boot or shoe. 1,512,041; Oct. 21.
 Reed, James H., Swampscott, assignor, by mesne assignments, to The Littleway Process Company, Lynn, Mass. Shoe making. 1,512,042; Oct. 21.
 Reeves, Oscar L. (See Manuel, F. G., and Reeves.)
 Reeves, William A. (See Tucker, O. M., and Reeves.)
 Reibel, Herman G. (See Hadley, J. L., and Reibel.)
 Reichard, Harold D., Akron, Ohio. Tire tread. Des. 65,831; Oct. 21.
 Reid, Albert T., Leavenworth, Kans. Manicure kit. 1,512,799; Oct. 21.
 Reid, James S., assignor to The Easy-On Cap Company, Cleveland, Ohio. Cap closure. 1,512,043; Oct. 21.
 Reilstab, Ludwig, Zeist, Netherlands, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric steering compass. 1,512,051; Oct. 21.
 Remark, Isidore J. E., assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 65,832; Oct. 21.
 Resch, Henry, Bayonne, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,512,310; Oct. 21.
 Resthak, Sophie, Exeland, Wis. Bobbin winder for sewing machines. 1,512,712; Oct. 21.
 Reynolds, Burl A., Topeka, Kans. Water-temperature regulator. 1,512,713; Oct. 21.
 Reznor, George F., Mercer, Pa. Radiant stove. 1,512,800; Oct. 21.
 Rhames, Rudolph E. T., Boston, Mass. Apparatus for administering anesthetics. 1,512,486; Oct. 21.
 Rhein, Karl, Bissendorf, Germany, assignor to Crude Oil Vaporizer Company, Inc. Vaporizer. 1,512,860; Oct. 21.
 Rheinische Metallwaren- und Maschinenfabrik. (See Waninger, Carl, assignor.)
 Ricardo, Harry R., London, England. Induction system of internal-combustion engines. 1,512,311; Oct. 21.
 Richardson, Robert C., Munfordville, Ky. Hay drier. 1,512,052; Oct. 21.
 Richards Thread Milling Machine Company (1918) Limited. (See Burt, L. N., and Freeborn, assignors.)
 Richardson, Henry K., Newark, and T. M. Switz, East Orange, N. J., assignors to Westinghouse Lamp Company. Thoria-crucible production. 1,512,801; Oct. 21.
 Rider, George E., and C. A. Glenson, Kansas City, Mo. Paper-folding and wrapper-applying machine. 1,512,312; Oct. 21.
 Riddinghafer, Charles, Seattle, Wash. Market-bag carrier. 1,512,053; Oct. 21.
 Riley, Albert D. (See Piersol, R. J., and Riley.)
 Ritz, Frederick, assignor to The Heller-Aller Company, Napoleon, Ohio. Oiling system for windmills. 1,512,239; Oct. 21.
 Rondalls Limited. (See Galbraith, Alexander, assignor.)
 Roberts, Albert, Washington, Pa. Artificial limb and making the same. 1,512,563; Oct. 21.
 Roberts, Charlton R. (See Finley, J. T., Freeman, and Roberts.)
 Robertson, Charles H. (See Worbois, Jesse, assignor.)
 Robertson, H. H., Company. (See Roney, William W., assignor.)
 Robertson, Robert R., and C. G. Naylor, Chicago, Ill., assignors to Naylor-Robertson Company. Pipe. 1,512,802; Oct. 21.
 Robertson, William W. (See Ryon, E. H., and Robertson.)
 Robinson, Andrew F., Arlington, Mass., assignor to Standard Oil Company of New York, New York, N. Y. Tank wagon. 1,512,637; Oct. 21.
 Robinson, Andrew F., Arlington, Mass., assignor to Standard Oil Company of New York, New York, N. Y. Tank wagon. 1,512,638; Oct. 21.
 Robinson, James, and P. Leeds, England. Mechanically-operated farm implement working on the fixed-cable system. 1,512,803; Oct. 21.
 Robinson, Percy. (See Robinson, James and P.)
 Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Propelling and brake mechanism for velocipedes. 1,512,137; Oct. 21.
 Rogers, James B., Chicago, Ill. Spark plug. 1,512,564; Oct. 21.

Roney, William W. Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Valve. 1,512,054; Oct. 21.
 Root, A. I., Company, The. (See Root, Ernest R., assignor.)
 Root, Ernest R., assignor to The A. I. Root Company, Medina, Ohio. Reinforced comb foundation for beehives. 1,512,861; Oct. 21.
 Rose, Lawrence J., St. Louis, Mo. Manicuring gauge. 1,512,364; Oct. 21.
 Rosen, Nathan, New York, N. Y. Hat-shape retainer. 1,512,365; Oct. 21.
 Rosenthal, Ernest, Hamburg, Iowa. Seed-potato cutter. 1,512,055; Oct. 21.
 Rosenthal, Morris G. (See Klein, Fred E., assignor.)
 Ross, Frederick N., assignor to Button Attaching Machine Company, Pontiac, Mich. Triple-cup, button. 1,512,565; Oct. 21.
 Ross, Jack. (See Atkinson, F., and Ross.)
 Roucka, Erich, East Orange, N. J. Automatic regulator. 1,512,804; Oct. 21.
 Roucka, Erich, East Orange, N. J. Automatic regulator. 1,512,805; Oct. 21.
 Rowe, James G., assignor to A. A. MacLean, Niagara Falls, N. Y. Storage-battery container. 1,512,313; Oct. 21.
 Royal Easy Chair Corporation. (See Eddy, Schuyler C., assignor.)
 Royal Typewriter Company. (See Hess, E. B., and Myers, assignors.)
 Royer, William R., Wilkes-Barre, Pa. Casing or cover for pneumatic-tire valve stems. 1,512,044; Oct. 21.
 Rubin, Jacob, Charleston, W. Va. Time-control switch-actuating mechanism. 1,512,639; Oct. 21.
 Rumney, Fred A., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-supplying reservoir. 1,512,045; Oct. 21.
 Rump, Fred J., Versailles, Ky. Turntable. 1,512,640; Oct. 21.
 Running, Henry W., Loretta Township, Grand Forks County, N. Dak. Pumping jack and driving means for same. 1,512,056; Oct. 21.
 Russ Automatic Labeling Co. (See Shults, James C., assignor.)
 Russell, Frank E., Alameda, and J. J. Jordan, Oakland, Calif. Uncoupling-shaft locking device. 1,512,184; Oct. 21.
 Russell, Thomas C., Chicago, Ill. Electric heating device. 1,512,366; Oct. 21.
 Rutter, Lewis L., Kansas City, Mo. Ball rack. 1,512,314; Oct. 21.
 Ryan, Joseph A., and L. Turner, Bridgeville, Pa., assignors to General Electric Company. Machine for assembling rods and tubes. 1,512,240; Oct. 21.
 Rybeck, Adolph W., assignor to T. L. Smith Co., Milwaukee, Wis. Power discharge for mixing machines. 1,512,501; Oct. 21.
 Ryan, Epas H., Waltham, and W. W. Robertson, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Tube-chain-driving mechanism for carpet looms. 1,512,057; Oct. 21.
 S & G Manufacturing Company. (See Sparks, George A. and V. C., assignors.)
 Saalburg, Charles W., New York, N. Y. Animated picture. 1,512,138; Oct. 21.
 Salazar M., Daniel, Medellin, Colombia. System of distributing electricity and apparatus therefor. 1,512,185; Oct. 21.
 Salerui, Piero M., Sydenham Hill, London, England. Device for sharpening safety-razor blades. 1,512,058; Oct. 21.
 Sandeberg, Alvie E., St. Louis, Mo. Suspension device for striking bags. 1,512,367; Oct. 21.
 Sandford, Julia M., Seattle, Wash. Lifting hook. 1,512,315; Oct. 21.
 Sanford, Edward F., Jr., New York, N. Y., assignor to Radio Corporation of America. Cabinet for sound-reproducing machine. Des. 65,833; Oct. 21.
 Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,512,059; Oct. 21.
 Sannar, John. (See Lawler, C. R., and Sannar.)
 Sargent & Company. (See Shaw, John H., assignor.)
 Saucier, Frank, Juneau, Alaska. Attaching caps and fuses to stick explosives. 1,512,714; Oct. 21.
 Sauer, Adelbert, Pittsburgh, Pa. Apparatus for gaseous fuel. 1,512,487; Oct. 21.
 Sayre, Elizabeth B., et al., executors. (See Sayre, William H.)
 Sayre, Ralph E., New Rochelle, N. Y. Concentration of ores by flotation. 1,512,139; Oct. 21.
 Sayre, William H., et al., executors. (See Sayre, William H.)
 Sayre, William H., deceased, Glen Ridge, N. J.; W. H. Sayre, W. M. Beard, and E. B. Sayre, executors, assignors to American Abrasive Metals Company. Brake shoe. 1,512,862; Oct. 21.
 Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,512,488; Oct. 21.
 Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,512,489; Oct. 21.
 Schaub, Otto, Winterthur, Switzerland. Rock boring. 1,512,140; Oct. 21.
 Schaefer, John P., Webster Groves, Mo. Cigarette. 1,512,241; Oct. 21.
 Scheanblum, Grace. (See Scheanblum, Robert and G.)

Scheanblum, Robert and G., New York, N. Y. Hair curler. 1,512,490; Oct. 21.
 Schiller, Robert M., Chicago, Ill. Plate. Des. 65,834; Oct. 21.
 Schilling, Michael, Rahway, N. J. Rotary hoe. 1,512,502; Oct. 21.
 Schmidt, Lambert, Brooklyn, N. Y. Faucet. 1,512,806; Oct. 21.
 Schmiedel, Theodore, Nuremberg-Doos, and H. Klencke, Frankfurt-on-the-Main, Germany. Production of sulphuric acid. 1,512,863; Oct. 21.
 Schmitt, Henry, Detroit, Mich. Fuel supply for motors. 1,512,242; Oct. 21.
 Schmucker, Earl T., Rapid City, S. Dak. Handling grease compounds. 1,512,060; Oct. 21.
 Schneider, Louis. (See Tegmeyer, A., and Schneider.)
 Schoening, Charles J., Los Angeles, Calif. Automatic self-setting animal trap. 1,512,641; Oct. 21.
 Schnermann, Anton C. (See Mueller, P., and Schnermann.)
 Scott, Henry L., assignor to Henry L. Scott & Company, Providence, R. I. Testing machine. 1,512,491; Oct. 21.
 Scott, Henry L., & Company. (See Scott, Henry L., assignor.)
 Sechler, William N., Fort Scott, Kans. Arch support. 1,512,715; Oct. 21.
 Segal Metal Products Company. (See Segal, Samuel, assignor.)
 Segal, Samuel, assignor to Segal Metal Products Company, Inc., New York, N. Y. Lock. 1,512,141; Oct. 21.
 Segar Studios Inc., The. (See Jaegers, Albert, assignor.)
 Segelberg, Thomas D., Somerville, Mass. Toy. 1,512,492; Oct. 21.
 Seltzer, Ira R., Waterbury, assignor to The Gordon Electric Manufacturing Company, Waterville, Conn. Snap-switch mechanism. 1,512,716; Oct. 21.
 Seltzer, Ira R., Waterbury, assignor to The Gordon Electric Mfg. Co., Waterville, Conn. Convertible electric cord switch with push-through control. 1,512,717; Oct. 21.
 Semmes, John E., Jr., Baltimore, Md. Collapsible tube. 1,512,503; Oct. 21.
 Sessions, Albert L., Bristol, Conn. Fastener for the covers of trunks and similar devices. 1,512,142; Oct. 21.
 Setter, Michael B., assignor of one-half to A. W. Hilker, Chicago, Ill. Self-adjusting bearing. 1,512,807; Oct. 21.
 Setter, Michael B., assignor of one-half to A. W. Hilker, Chicago, Ill. Self-adjusting bearing. 1,512,808; Oct. 21.
 Severance, S., Mfg. Company. (See Pfahl, Frederick G., assignor.)
 Sewell Cushion Wheel Company. (See Hammes, John H., assignor.)
 Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. 1,512,368; Oct. 21.
 Shaw, John W., New Orleans, La. Utility control. 1,512,642; Oct. 21.
 Shaw, Signe B., Seattle, Wash. Doll. Des. 65,835; Oct. 21.
 Shelton, Maurice C., assignor to Shelton Vapor Stove Company, Indianapolis, Ind. Oil-stove burner. 1,512,061; Oct. 21.
 Shelton Vapor Stove Company. (See Shelton, Maurice C., assignor.)
 Sherman, William, Los Angeles, Calif. Cap. 1,512,316; Oct. 21.
 Shrode, John L., Dallas, Tex. Automatic expansion valve. 1,512,243; Oct. 21.
 Shroyer, Jacob L., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Broiler. 1,512,493; Oct. 21.
 Shults, James C., assignor to Russ Automatic Labeling Co., Meadville, Pa. Wrapping machine. 1,512,494; Oct. 21.
 Siegel, Joseph, assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,512,369; Oct. 21.
 Siemens & Halske, Aktiengesellschaft. (See Kaminski, Paul, assignor.)
 Siemens & Halske, Aktiengesellschaft. (See Reistab, Ludwig, assignor.)
 Simmons, John W. and R. P., Cleveland, Ohio, assignors to Fernald Manufacturing Company, North East, Pa. Electric switch. 1,512,244; Oct. 21.
 Simmons, Robert P. (See Simmons, John W. and R. P.)
 Simpson, Rufus A., Oakland, Calif. Wrapping machine. 1,512,495; Oct. 21.
 Sims, Emmett M., Louisville, Ky. Spark tester. 1,512,062; Oct. 21.
 Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
 Singer Manufacturing Company, The. (See Finch, John S., assignor.)
 Sissom, Thomas A., Italy, Tex. Insect destroyer. 1,512,043; Oct. 21.
 Skenandoo Cotton Company, The. (See Gordon, B., Jr., and McCarty, assignors.)
 Skinner, Reuben L., Cullison, Kans. Scoop apron. 1,512,869; Oct. 21.
 Slayton, Hovey E. (See Beaudin, Louis E., assignor.)

Sloan, Elmer L., Joplin, Mo. Closure fastener. 1,512,245; Oct. 21.
 Slonecker, Abram J., assignor to Slonecker Products Company, Trenton, Mo. Universal joint. 1,512,246; Oct. 21.
 Slonecker Products Company. (See Slonecker, Abram J., assignor.)
 Sloper, Charles A., Rainier, Oreg. Skidless brake for automobiles. 1,512,810; Oct. 21.
 Small, John W., Washington, D. C., and L. D. Freeman, Portsmouth, Va. Locomotive. 1,512,317; Oct. 21.
 Smith, Abraham L., assignor of one-half to O. M. Smith, New York, N. Y. Supporting means for catamenial sacks. 1,512,143; Oct. 21.
 Smith, Clarence A. (See Bull, Edward E., assignor.)
 Smith, Ira E., Stockton, Calif. Oil burner. 1,512,247; Oct. 21.
 Smith, James, and M. E. Constable, Deposit, N. Y. Strip shingle. 1,512,248; Oct. 21.
 Smith, (Mrs.) M. A. Monroe. (See Smith, Willis A., assignor.)
 Smith, Orilla M. (See Smith, Abraham L., assignor.)
 Smith, Seymour W., Hartford, Conn. Food-preparing machine. 1,512,644; Oct. 21.
 Smith, T. L., Co. (See Rybeck, Adolph W., assignor.)
 Smith, Willis A., assignor of one-half to (Mrs.) M. A. M. Smith, San Angelo, Tex. Tire deflator. 1,512,645; Oct. 21.
 Smith, Wilton M., Yonkers, N. Y. Game board. Des. 65,836; Oct. 21.
 Smithers, Bethel E., and L. B. Jones, Hollywood Station, Tenn. Belt fastener. 1,512,370; Oct. 21.
 Smithy, Marvin, Lawrenceville, Va. Meter. 1,512,144; Oct. 21.
 Sneed, Leslie, Richmond, Va. Throttle valve. 1,512,496; Oct. 21.
 Sobel, Samuel, Brooklyn, N. Y. Pedestal for lighting fixtures or similar articles. Des. 65,837; Oct. 21.
 Sobley, Orin L., Ethelsville, Ala. Hook. 1,512,497; Oct. 21.
 Societe Anonyme des Ateliers d'Aviation Louis Breguet. (See Breguet, Louis, assignor.)
 Societe de Mecanique Nouvelle. (See Corniere, Paul, assignor.)
 Solop, Sydor, South Brooklyn, N. Y. Combined drill and screw set. 1,512,498; Oct. 21.
 Solosabal, Andres, Boise, Idaho. Driltable mechanism for handlights. 1,512,504; Oct. 21.
 Somers, William H., New York, N. Y. Child's waist. 1,512,864; Oct. 21.
 Sommer, William H., Peoria, Ill. Coating material. 1,512,371; Oct. 21.
 Soubler, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,512,372; Oct. 21.
 Soubler, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,512,373; Oct. 21.
 Soubler, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,512,374; Oct. 21.
 Soulia, Wilbur T., New York, N. Y. Internal-combustion engine. 1,512,718; Oct. 21.
 Sowers, Thomas E., and B. L. Harlacher, Harrisburg, Pa. Toy. 1,512,865; Oct. 21.
 Sparks, George A., and V. C. Lodi, assignors to S & G Manufacturing Company, Stockton, Calif. Water circulator for internal-combustion engines. 1,512,375; Oct. 21.
 Sparks, Vernon C. (See Sparks, George A. and V. C.)
 Spittler, Frederick J., Long Island City, N. Y. Demountable wheel rim. 1,512,811; Oct. 21.
 Sprague Canning Machinery Company. (See Holmquist, August, Jr., assignor.)
 Sprague, Frank D., and P. W. Allison, New York, N. Y. Firing mechanism. 1,512,249; Oct. 21.
 Sproull, John C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for testing hose. 1,512,063; Oct. 21.
 Standard Chemical Company. (See Piersol, R. J., and Riley, assignors.)
 Standard Oil Company of New York. (See Robinson, Andrew F., assignor.)
 Standard Underground Cable Company. (See Atkinson, Ralph W., assignor.)
 Star Chandelier Company. (See Poritz, Frederick M., assignor.)
 Starck, August W., Skovde, Sweden. Stretching device for saddles for cycles and the like. 1,512,145; Oct. 21.
 Staszak, John, Cudahy, Wis. Bottle-cap-making machine. 1,512,376; Oct. 21.
 Staub, Herman, assignor to Textile Machine Works, Wyomissing, Pa. Carrier drive for lace braid. 1,512,146; Oct. 21.
 Stenning, William W., P. T. Williams, W. H. Beasley, and A. B. Middleton, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Treatment of small or finely-divided coal. 1,512,499; Oct. 21.
 Stern, Charles, Jersey City, N. J., and R. W. Braden, New York, N. Y., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J. Automatic oiling, drifting, and vacuum-breaking device. 1,512,646; Oct. 21.
 Stevens, Arthur D., and N. A. Gilbert, Jacksonville, Fla. Evaporating pan. 1,512,505; Oct. 21.

Stevens, Burt D., Evanston, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Driving and counterbalancing mechanism. 1,512,647; Oct. 21.
 Stevens, Burt D., Evanston, assignor to Miehle Printing Press & Mfg. Co., Chicago, Ill. Stock-pile-feed mechanism. 1,512,648; Oct. 21.
 Stevens, Sarah G., Elma, N. Y. Doll. Des. 65,838; Oct. 21.
 Stevenson Company, The. (See Hibbins, Thomas A., assignor.)
 Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
 Stewart-Warner Speedometer Corporation. (See Whittington, Frederick G., assignor.)
 Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 1,512,046; Oct. 21.
 Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,512,047; Oct. 21.
 Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Computing machine. 1,512,506; Oct. 21.
 Stiles, John C., St. Louis, Mo. Telephone system. 1,512,719; Oct. 21.
 Still, William J., Westminster, London, England. Two-cycle internal-combustion engine. 1,512,318; Oct. 21.
 Stockman, Maxwell, Kansas City, Mo. Internal-combustion engine. 1,512,649; Oct. 21.
 Stockel, Friedrich H., Wyomissing, assignor to The Nolde & Horst Co., Reading, Pa. Loop-regulating attachment for full-fashioned-knitting machines. 1,512,048; Oct. 21.
 Stoll, David, New York, N. Y. Metal strip or similar article of manufacture. Des. 65,839; Oct. 21.
 Stoppel, Louis D., Isleton, Calif. Asparagus slicing and dicing machine. 1,512,377; Oct. 21.
 Strack, Herman. (See Hansmann, P., and Strack.)
 Strauss, William, New York, N. Y. Boudoir cap. 1,521,866; Oct. 21.
 Strickling, David B. (See Eckart, George F., assignor.)
 Strobel, Joseph, Tulsa, Okla. Temper screw. 1,512,650; Oct. 21.
 Stuver, Henry W., Denver, Colo. Spark plug. 1,512,319; Oct. 21.
 Sullivan Machinery Company. (See Oliphant, John, assignor.)
 Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
 Sullivan, Sidney Y., Newark, N. J. Table. 1,512,049; Oct. 21.
 Sundhausen, Hermann, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Automatic electromagnetic switch. 1,512,064; Oct. 21.
 Surbaugh, John S., Vincennes, Ind. Shovel and scoop blade. 1,512,720; Oct. 21.
 Sutter, Elizabeth, Elizabeth, Pa. Pie rack. 1,512,867; Oct. 21.
 Sutton, Frank W., Bristow, Okla. Traction pulling and lifting device. 1,512,651; Oct. 21.
 Sutton, William S., Rockford, Ill. Casting apparatus. 1,512,721; Oct. 21.
 Switz, Theodore M. (See Richardson, H. K., and Switz.)
 Sweat, Jennie A. (See Pryor, Clarence E., assignor.)
 Swartz, James B., Wichita, Kans. Pumping equipment. 1,512,500; Oct. 21.
 Sweet, Alvin H., assignor to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Brake band. 1,512,507; Oct. 21.
 Symms, Charles D., Sioux Falls, S. Dak. Spark-plug case. 1,512,378; Oct. 21.
 Szekely, Geza, New York, N. Y. Game apparatus. 1,512,722; Oct. 21.
 Tabert, Walter, East Grand Forks, Minn. Wrench. 1,512,723; Oct. 21.
 Talcay, Fred R., Lowell, assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Automatic switch for conveyors. 1,512,250; Oct. 21.
 Taylor, Albert, Belfast, Ireland. Workholder for Swiss embroidery machines. 1,512,868; Oct. 21.
 Taylor, Howard C., Salt Lake City, Utah. Gasoline-tank appliance. 1,512,065; Oct. 21.
 Taylor, William H., Beaumont, Tex. Set shoe. 1,512,066; Oct. 21.
 Taylor, W. H., et al. (See Foster, Walter L., assignor.)
 Tebo, William A., Anthony, R. I. Shuttle. 1,512,379; Oct. 21.
 Tedder, William S., Ola, Ark. Broomcorn cleaner. 1,512,724; Oct. 21.
 Tegmeyer, Archie, and L. Schneider, Milwaukee, Wis. Game. 1,512,147; Oct. 21.
 Texas Company, The. (See Gray, George W., assignor.)
 Texas Company, The. (See Hall, Frank W., assignor.)
 Textile Machine Works. (See Staub, Herman, assignor.)
 Thleme, Otto, Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,512,508; Oct. 21.
 Thomas, Jesse M., Tampa, Fla. Traveling kit. 1,512,725; Oct. 21.
 Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Can feeder. 1,512,652; Oct. 21.

Thompson, Burchard D., Cyclone, Pa. Sucker-rod coupling. 1,512,380; Oct. 21.
 Thomsen, Hans J., Neosho, Mo. Hydrolight cabinet. 1,512,067; Oct. 21.
 Thornburg, George E., Muncie, Ind. Bathtub. 1,512,068; Oct. 21.
 Thornton, William P., Chicago, Ill. Extracting sulphur from ore. 1,512,320; Oct. 21.
 Thorpe, Samuel T., assignor to The Horton Manufacturing Company, Bristol, Conn. Fishing rod. 1,512,509; Oct. 21.
 Tinnerman, Albert H., Cleveland, Ohio. Spring nut. 1,512,653; Oct. 21.
 Title Guarantee and Trust Company, trustee. (See Sweet, Alvin H., assignor.)
 Toal, Edward. (See Wright, C. L., and Toal.)
 Toledo Scale Company. (See Crane, Samuel G., assignor.)
 Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
 Toledo Scale Company. (See Wetzell, Lewis C., assignor.)
 Tomlinson, Rupert H., Ilion, N. Y. Clothesline-supporting trolley. 1,512,069; Oct. 21.
 Townsend, John W., assignor to American Lithographic Company, New York, N. Y. Stack sustaining and separating device. 1,512,050; Oct. 21.
 Toy Thinkers, Inc., The. (See Pajean, Charles H., assignor.)
 Traphagen, Harry R., assignor to Emerson-Brantingham Company, Rockford, Ill. Tractor steering mechanism. 1,512,510; Oct. 21.
 Trencham, Henry, Ruislip, England, assignor to General Electric Company. Protective system. 1,512,251; Oct. 21.
 Trent, Walter E., Washington, D. C. Fuel-producing process and product. 1,512,427; Oct. 21.
 Tri-Ergon, Limited. (See Engl. Josef, assignor.)
 Trowe, Paul F., Hammond, Ind. Gate valve. 1,512,431; Oct. 21.
 Troy, Matthew, Portland, Oreg. Sack ladder. 1,512,654; Oct. 21.
 Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio. Method and apparatus for delivering viscous glass. 1,512,566; Oct. 21.
 Turcott, David, assignor to P. B. Yates Machine Company, Beloit, Wis. Multiple-spindle turning appliance. 1,512,381; Oct. 21.
 Turner, Louis. (See Ryan, J. A., and Turner.)
 Turnsek, Oswald J., assignor to Hydraulics Manufacturing Co., Stuttgart, Ark. Pumping apparatus. 1,512,726; Oct. 21.
 U. G. I. Contracting Company, The. (See Fulweller, Walter H., assignor.)
 Uhlemann, Theodore F., assignor to Nicholas Power Company, Inc., New York, N. Y. Adjustable lamp house. 1,512,148; Oct. 21.
 Ulrich, Georg F., Gruessner, and H. Dyck, assignors to Friedl. Krupp, Aktiengesellschaft Grusonwerk, Magdeburg-Buckau, Germany. Recovering fuel from residues. 1,512,870; Oct. 21.
 Underwood Computing Machine Company. (See Resch, Henry, assignor.)
 Underwood Computing Machine Company. (See Stickney, Burnham C., assignor.)
 Underwood Computing Machine Company. (See Thleme, Otto, assignor.)
 Underwood, Norman, Oakton, Va. Making arsenic compounds. 1,512,432; Oct. 21.
 Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
 United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
 United Shoe Machinery Corporation. (See Casgrain, Louis A., assignor.)
 United Shoe Machinery Corporation. (See Grush, Elmer B., assignor.)
 United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
 United Shoe Machinery Corporation. (See Loomer, Henry M., assignor.)
 United Shoe Machinery Corporation. (See Reed, James H., assignor.)
 United Shoe Machinery Corporation. (See Rumney, Fred A., assignor.)
 United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
 Universal Tiller Corporation, The. (See Hansmann, P., and Strack, assignors.)
 Valjean, Ben., assignor to Valjean Carburetor Company, San Diego, Calif. Combustion apparatus. 1,512,869; Oct. 21.
 Valjean Carburetor Company. (See Valjean, Ben., assignor.)
 Van Alstyne, David, New York, N. Y. Cast-metal wheel. 1,512,433; Oct. 21.
 Van Amburgh, Edward J., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for cutting fabrics. 1,512,655; Oct. 21.
 Van Boren, Dennis C., Wilkie, Saskatchewan, Canada. Combination grain cutting and elevating machine. 1,512,507; Oct. 21.
 Van Dolsen, Emmet L. (See Chambers, J. E., and Van Dolsen.)

Van Nostrand, Morris A., New York, N. Y. Teapot or similar article. Des. 65,840; Oct. 21.
 Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Word counter for typewriting machines. 1,512,434; Oct. 21.
 Veeder Manufacturing Company, The. (See Lytle, Walter S., assignor.)
 Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)
 Verdun, Cornelius, Crookston, Nebr. Screen-door structure. 1,512,252; Oct. 21.
 Vernam, Gilbert S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraphy. 1,512,070; Oct. 21.
 Victor Rubber Company, The. (See Berlin, Harry S., assignor.)
 Victor Rubber Company, The. (See Bosworth, Percy B., assignor.)
 Vogt Brothers Mfg. Co. (See Phelps, Paul, assignor.)
 Von Hirschberg, Zacharias, Berlin-Pankow, Germany. Producing vessels of quartz or similar material difficult to fuse and impermeable for gases. 1,512,511; Oct. 21.
 W. K. M. Company. (See Nixon, Jeddy D., assignor.)
 Wadsworth, Frank L. O., Pittsburgh, Pa. Spring suspension system. 1,512,512; Oct. 21.
 Wagner, Paul, Wauwatosa, Wis. Hoisting sling. 1,512,149; Oct. 21.
 Walt, Justin F., Buffalo, N. Y. Filtering process and apparatus. 1,512,321; Oct. 21.
 Walden Knife Company. (See Henry, Ferdinand G., assignor.)
 Wallace, Halbert C., Fargo, N. Dak. Fan blower. 1,512,322; Oct. 21.
 Wallace, Halbert C., Kansas City, Mo. Grain cleaner. 1,512,323; Oct. 21.
 Wallace, R., & Sons Mfg. Co. (See Marsh, Ralph J., assignor.)
 Wallin, Johan A., Jamestown, N. Y. Ice creeper. 1,512,727; Oct. 21.
 Walsh, Edward J., Puunene, Hawaii. Portable loading and elevating machine. 1,512,382; Oct. 21.
 Waninger, Carl, Dusseldorf, assignor to the Firm of Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Pivot gun particularly adapted for submarines. 1,512,435; Oct. 21.
 Ward, Dana B., Kansas City, Mo. Casting boat. 1,512,056; Oct. 21.
 Ward, Jay, Huron, Ohio. Animal trap. 1,512,513; Oct. 21.
 Ward, John A. (See Fuller, D. T. S., and Ward.)
 Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Quick-detachable connection for vacuum-cleaner nozzles and the like. 1,512,253; Oct. 21.
 Warner, Clarence. (See Buvinger, G. A., and Warner.)
 Warner Manufacturing Company. (See Cadman, Addi B., assignor.)
 Warren, Thomas W., Montreal, Quebec, Canada. Automatic glass-feeding machine. 1,512,383; Oct. 21.
 Washington, George, Brooklyn, N. Y. Amorphous saccharine powder and making same. 1,512,730; Oct. 21.
 Washington, George, Brooklyn, N. Y. Food product and making same. 1,512,731; Oct. 21.
 Wasserberger, Jacob, assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Metal window. 1,512,150; Oct. 21.
 Waterbury Button Company. (See Kaynor, Warren F., assignor.)
 Watson, Charles G., assignor to Wescott Rule Company, Inc., Seneca Falls, N. Y. Spring joint for folding rules. 1,512,728; Oct. 21.
 Webb, John W., Chicago, Ill. Fiber-board box. 1,512,729; Oct. 21.
 Weddick, Ernest W., Detroit, Mich. Internal-combustion-motor valve. 1,512,732; Oct. 21.
 Weeks, John W., Secretary of War of the United States of America, trustee. (See Hoar, Roger S., assignor.)
 Wentworth, Phillip C., Providence, R. I. Ring traveler. 1,512,254; Oct. 21.
 Wescott, Ernest W., Niagara Falls, N. Y., assignor, by mesne assignments, to Metallurgical Development Corporation, Boston, Mass. Utilizing arsenious by-products. 1,512,733; Oct. 21.
 Wescott, Ernest W., Niagara Falls, N. Y., assignor, by mesne assignments, to Metallurgical Development Corporation, Boston, Mass. Purifying arsenious chloride. 1,512,734; Oct. 21.
 Wescott Rule Company. (See Watson, Charles G., assignor.)
 West End Chemical Company. (See Hellmery, Henry D., assignor.)
 Western Electric Company. (See Dunham, Bert G., assignor.)
 Western Electric Company. (See Hocker, Carl D., assignor.)
 Western Electric Company. (See Radford, John B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Aram, Otto, assignor.)
 Westinghouse Electric & Manufacturing Co. (See Baumann, Karl, assignor.)
 Westinghouse Lamp Company. (See Madden, Harry D., assignor.)

Westinghouse Lamp Company. (See Richardson, H. K., and Switz, assignors.)
 Whalen, William H., Los Angeles, Calif. Track sprinkler. 1,512,324; Oct. 21.
 Whitaker, Frank P., Rugby, England, assignor to General Electric Company. System of electric distribution. 1,512,255; Oct. 21.
 Whitaker-Glessner Company. (See Kielberg, Henry, assignor.)
 White, Charles E., assignor to Deere & Company, Moline, Ill. Planting mechanism. 1,512,256; Oct. 21.
 White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,512,257; Oct. 21.
 White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,512,258; Oct. 21.
 White Heat Products Company. (See Keever, Paul, assignor.)
 White, Percy W., Cleveland Heights, Ohio. Headlight. 1,512,259; Oct. 21.
 White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Tracklaying tractor. 1,512,152; Oct. 21.
 White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Brake mechanism. 1,512,153; Oct. 21.
 White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Tractor. 1,512,154; Oct. 21.
 Whiteside, Howard A., New York, N. Y. Camera. 1,512,614; Oct. 21.
 Whittington, Frederick G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Signal head for temperature indicators. 1,512,071; Oct. 21.
 Whittington, Frederick G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Liquid-reserve-supply device. 1,512,384; Oct. 21.
 Wetzell, Lewis C., Windsor, Ontario, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Rack support. 1,512,151; Oct. 21.
 Widlake, Herbert C., Plymouth, England. Fluid-pressure indicator. 1,512,385; Oct. 21.
 Wightman and Hough Company. (See Hough, Edward B., assignor.)
 Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Hob. 1,512,657; Oct. 21.
 Williams, Percy T. (See Stenning, W. W., Williams, Beasley, and Middleton.)
 Williamson, Jay G., Eastman, Ga. Steering wheel. 1,512,072; Oct. 21.
 Wiley, Irven H., assignor to C. H. Meyer, trustee, Chicago, Ill. Automatic printing device and method. 1,512,386; Oct. 21.
 Wilson, Alfred R., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,512,436; Oct. 21.
 Wilson, Sherman, assignor of one-half to J. A. Griffin, Marianna, Fla. Backrest for vehicle seats. 1,512,260; Oct. 21.
 Wilson, Walter G., Farningham, England. Vehicle suspension spring. 1,512,871; Oct. 21.
 Wilson, William H. (See McCorkle, W. M., and Wilson.)

Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Pneumatic hammer. 1,512,892; Oct. 21.
 Winslow Safety High Pressure Boiler Company. (See Ellis, Lewis M., assignor.)
 Wisconsin Parts Company. (See Cook, Everett J., assignor.)
 Withrow, Paul C., Denver, Colo. Truck for railroad vehicles. 1,512,437; Oct. 21.
 Wivl, Thomas R., assignor of forty-five per cent to W. H. Dean, Chicago, Ill. Advertising machine. 1,512,073; Oct. 21.
 Wizard Manufacturing Company. (See Levinson, Marcus M., assignor.)
 Wolf, Rudolph, New York, N. Y., and H. G. Pierson, South Orange, N. J., assignors to Foote, Pierson & Co. (Inc.), New York, N. Y. Lightning arrester. 1,512,387; Oct. 21.
 Wolfe, Samuel C., Angola, Ind., assignor to Fernald Manufacturing Company, North East, Pa. Windshield clearer. 1,512,074; Oct. 21.
 Wood, John M., Detroit, Mich. Lathe dog. 1,512,155; Oct. 21.
 Woodruff, Shelley G., Long Beach, Calif. Hole enlarger. 1,512,658; Oct. 21.
 Woods, Charles H., Decatur, Ill. Fare box. 1,512,515; Oct. 21.
 Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
 Wordbois, Jesse, North Chilli, N. Y., assignor of one-half to C. H. Robertson, Enumclaw, Wash. Sorting machine. 1,512,438; Oct. 21.
 Worley, George I., Denver, Colo. Wheel chain. 1,512,325; Oct. 21.
 Worthington, Charles C., Dunnfield, N. J., assignor, by mesne assignments, to Worthington Mower Company, Shawnee-on-Delaware, Pa. Motor-driven gang lawn mower. 1,512,439; Oct. 21.
 Worthington Mower Company. (See Worthington, Charles C., assignor.)
 Wotocek, John, assignor to E. L. Mansure Company, Chicago, Ill. Drapery fringe. Des. 65,841; Oct. 21.
 Wright, Carl L., and E. Toal, Oakland, Calif. Composition for treating piling. 1,512,659; Oct. 21.
 Wright, Carl L., and E. Toal, Oakland, Calif. Treating piling. 1,512,660; Oct. 21.
 Wright, Thomas, Eyebrow, Saskatchewan, Canada. Stoker. 1,512,388; Oct. 21.
 Wylie, Joseph S., Oklahoma City, Okla. Road-repairing apparatus. 1,512,389; Oct. 21.
 Wyman-Gordon Company. (See Oldson, John A., assignor.)
 Wynn, Levi L., West Graham, Va. Knockdown seat. 1,512,326; Oct. 21.
 Yale & Towne Manufacturing Company, The. (See Freysinger, John B., assignor.)
 Yates, P. B., Machine Company. (See Turcott, David, assignor.)
 Young, Wilfred S., assignor to Economy Engineering Company, Chicago, Ill. Portable elevating apparatus. 1,512,390; Oct. 21.
 Young, William H., Jr., Paterson, N. J. Skate or other runner. 1,512,327; Oct. 21.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrading articles, Forming. P. Keever. 1,512,177; Oct. 21.
Abrading machine. B. W. Klein. 1,512,547-8; Oct. 21.
Accounting sheet. F. W. Groby. 1,512,685; Oct. 21.
Acid, Production of sulphuric. T. Schmiedel and H. Klencke. 1,512,863; Oct. 21.
Adding machines, Automatic type and ribbon selecting mechanism and control for writing. H. A. Foothorap. 1,512,282; Oct. 21.
Adjustable chair. S. C. Eddy. 1,512,834; Oct. 21.
Advertising machine. T. R. Wiwl. 1,512,073; Oct. 21.
Aeroplanes, hydroplanes, and the like, Stay for. J. A. Latham. 1,512,111; Oct. 21.
Agriculture implement. C. M. Hamshaw. 1,512,596; Oct. 21.
Air condenser. R. C. Browne. 1,512,398; Oct. 21.
Air lifting and cleaning system. J. Oliphant. 1,512,561; Oct. 21.
Airplane. W. D. Linthicum. 1,512,428; Oct. 21.
Alarm: See—
Hot-box alarm.
Alloy, Machinable nonmagnetic high-resistance cast-iron. S. E. Dawson. 1,512,277; Oct. 21.
Altitude oxygen apparatus. W. H. Hendrickson. 1,512,022; Oct. 21.
Aluminum chloride, Manufacture of. G. W. Gray. 1,512,419; Oct. 21.
Aluminum chloride, Manufacture of treating materials containing. F. W. Hall. 1,512,420; Oct. 21.
Amalgamator and concentrator. C. E. Dickens. 1,512,204; Oct. 21.
Amusement apparatus. S. E. Baker. 1,512,739; Oct. 21.
Anesthetics, Apparatus for administering. R. E. T. Rhames. 1,512,486; Oct. 21.
Animal trap. Jay Ward. 1,512,513; Oct. 21.
Animal trap, Automatic self-setting. C. J. Schoening. 1,512,641; Oct. 21.
Animals, Feeding and watering trough for. P. E. McConachie. 1,512,617; Oct. 21.
Antiskid device. J. O. Fowler. 1,512,529; Oct. 21.
Arbor press. O. M. Hatcher and J. C. Campbell. 1,512,422; Oct. 21.
Arch support. W. N. Sechler. 1,512,715; Oct. 21.
Arch supporter. E. L. Goldsmith. 1,512,218; Oct. 21.
Argon and other rare gases of the atmosphere, Separation and purification of. E. A. Barbet. 1,512,268; Oct. 21.
Arsenic compounds, Making. N. Underwood. 1,512,432; Oct. 21.
Arsenious by-products, Utilizing. E. W. Wescott. 1,512,733; Oct. 21.
Arsenious chloride, Purifying. E. W. Wescott. 1,512,734; Oct. 21.
Asparagus slicing and dicing machine. L. D. Stoppel. 1,512,377; Oct. 21.
Assembling tool. J. B. Des Rosiers. 1,512,878; Oct. 21.
Astronomic nautical apparatus. F. Nuschak. 1,512,856; Oct. 21.
Automatic regulator. E. Roučka. 1,512,804-5; Oct. 21.
Automation and talking apparatus. W. E. Fritsche. 1,512,283; Oct. 21.
Automobile brake. R. J. Burrows. 1,512,403; Oct. 21.
Automobile disk wheel. F. H. Godfrey. 1,512,418; Oct. 21.
Automobile door sign. B. W. Flanders. 1,512,330; Oct. 21.
Automobile roof. H. L. Recher. 1,512,012; Oct. 21.
Automobile signal. E. Heer. 1,512,848; Oct. 21.
Automobile signal attachment. J. L. Drohen. 1,512,829; Oct. 21.
Automobile skidless brake. C. A. Sloper. 1,512,810; Oct. 21.
Automobile window. J. S. Greenley and J. A. Naismith. 1,512,759; Oct. 21.
Automobiles, Combined jack and bumper for. G. Janssen. 1,512,027; Oct. 21.
Axle construction. E. J. Cook. 1,512,676; Oct. 21.
Badge or similar article. J. O. Andrews. Des. 65,793; Oct. 21.
Bag: See—
Cabin bag.
Bag. H. H. Labadie, B. B. Beers, and T. A. Krueger. 1,512,550; Oct. 21.
Bag. F. D. Mannocci. 1,512,228; Oct. 21.
Bag carrier, Market. C. Ridlinghafer. 1,512,053; Oct. 21.
Bag fastener. F. A. Fuller. 1,512,019; Oct. 21.
Bag frame, Ornamental plate for a. S. G. Mandalian. Des. 65,819; Oct. 21.
Bag holder. J. F. Harrison. 1,512,421; Oct. 21.
Ball connection, Adjustable. L. Duckett. 1,512,163; Oct. 21.
Balling press. F. G. Manuel and O. L. Reeves. 1,512,555; Oct. 21.
Ball rack. L. I. Rutter. 1,512,314; Oct. 21.
Bar: See—
Vehicle draw bar.
Barbers' implements and the like, Receptacle for. M. Mallard. 1,512,352; Oct. 21.
Basket, Tea. Lum Sang Loy. Des. 65,818; Oct. 21.
Bathtub. S. O. Berven. 1,512,193; Oct. 21.
Bathtub. G. E. Thornburg. 1,512,068; Oct. 21.
Battery container, Storage. J. G. Rowe. 1,512,313; Oct. 21.
Bearing and corner bracket, Combination. M. Marcus. 1,512,853; Oct. 21.
Bearing and making same. E. A. Barnes. 1,512,190; Oct. 21.
Bearing, Roller. W. W. Lemien and D. G. Cunningham. 1,512,473; Oct. 21.
Bearing, Propeller-shaft. E. Allen. 1,512,261; Oct. 21.
Bearing, Roller. D. F. Graham. 1,512,020; Oct. 21.
Bearing, Self-adjusting. R. R. Bell. 1,512,328; Oct. 21.
Bearing, Self-adjusting. M. B. Setter. 1,512,807-8; Oct. 21.
Beds, Tray holder for. F. A. McGuire. 1,512,291; Oct. 21.
Beehives, Reinforced comb foundation for. E. R. Root. 1,512,861; Oct. 21.
Belt fastener. R. E. Smithers and L. B. Jones. 1,512,370; Oct. 21.
Blades, Machine for operating on. F. G. Henry. 1,512,889; Oct. 21.
Board: See—
Game board. Ironing board.
Roller: See—
Range boiler.
Boiler attachment. W. A. Balmann. 1,512,076; Oct. 21.
Boiler blow-off. C. A. Orr. 1,512,360; Oct. 21.
Book cover. J. Schade. 1,512,488-9; Oct. 21.
Boot and shoe. A. E. Little. 1,512,033; Oct. 21.
Boot or shoe. J. H. Reed. 1,512,041; Oct. 21.
Bottle-cap-making machine. J. Staszak. 1,512,376; Oct. 21.
Bottle closure cap, Milk. G. E. Ball. 1,512,667; Oct. 21.
Bottle stopper, Water. H. P. Kraft. 1,512,894; Oct. 21.
Boudoir cap. W. Strauss. 1,512,866; Oct. 21.
Box: See—
Fare box. Match box.
Fiber-board box. Stripper box.
Mail box. Switch box.
Braiding machines, Tension mechanism for. F. Klein. 1,512,605; Oct. 21.
Brake: See—
Automobile brake. Automobile skidless brake.
Brake band. A. H. Sweet. 1,512,507; Oct. 21.
Brake lining. C. W. Brown. 1,512,451; Oct. 21.
Brake mechanism. R. H. White. 1,512,153; Oct. 21.
Brake shoe. W. H. Sayre. 1,512,862; Oct. 21.
Brassière. I. Gladstone. 1,512,417; Oct. 21.
Brief case. S. H. Lifton. 1,512,772; Oct. 21.
Briguetting process and machine. W. A. Lorenz. 1,512,345; Oct. 21.
Broiler. J. L. Shroyer. 1,512,493; Oct. 21.
Broomcorn cleaner. W. S. Tedder. 1,512,724; Oct. 21.
Brush-making machine. C. E. Fisher. 1,512,588; Oct. 21.
Brush, Scrub. W. Baker. 1,512,740; Oct. 21.
Bubbler head. P. Mueller and A. C. Schuermann. 1,512,629; Oct. 21.
Buckle, Belt. S. Clark. 1,512,407; Oct. 21.
Buckle for safety straps. L. B. Fish. 1,512,087; Oct. 21.
Bullet. C. L. Holden and W. Knedler. 1,512,026; Oct. 21.
Bumper. C. E. Pryor. 1,512,797; Oct. 21.

ALPHABETICAL LIST OF INVENTIONS.

xxvii

Bumper-bar hanger. V. Jakob and G. L. Pederson. 1,512,770; Oct. 21.
Burner: See—
Gas burner. Oil burner.
Liquid-fuel burner. Oil-stove burner.
Burner. T. C. Esposito. 1,512,460; Oct. 21.
Burning weeds and the like, Machine for. R. Daering. 1,512,822; Oct. 21.
Button, Collar. C. Howard. 1,512,541; Oct. 21.
Button switch, Single. A. F. Greiner. 1,512,169; Oct. 21.
Button, Triple-cup. F. N. Ross. 1,512,565; Oct. 21.
Buttoning machine. L. J. Bazzoni. 1,512,011; Oct. 21.
Cabin bag. H. H. Labadie, B. B. Beers, and T. A. Krueger. 1,512,549; Oct. 21.
Cabinet, Hydrolight. H. J. Thomsen. 1,512,067; Oct. 21.
Cable installation. R. W. Atkinson. 1,512,444; Oct. 21.
Calculating and other machines, Truck for. F. K. Fisher. 1,512,281; Oct. 21.
Calliper, Micrometer. P. J. Darlington. 1,512,823; Oct. 21.
Calliope, Automatic. N. G. Baker. 1,512,666; Oct. 21.
Cam and spindle construction. S. W. Luitwieler. 1,512,034; Oct. 21.
Camera. H. A. Whiteside. 1,512,514; Oct. 21.
Camera, Motion-picture. E. W. Nelson. 1,512,477; Oct. 21.
Cameras, System of braces for supporting the folding beds of folding. J. L. Baillie. 1,512,664; Oct. 21.
Can feeder. A. R. Thompson. 1,512,652; Oct. 21.
Can-filling machine. A. Holmquist, sr. 1,512,764; Oct. 21.
Can opener. H. K. De Lloyd. 1,512,214; Oct. 21.
Can ventilator, Milk. W. W. Craner. 1,512,523; Oct. 21.
Cap. P. J. O'Brien. 1,512,128; Oct. 21.
Cap. W. Sherman. 1,512,316; Oct. 21.
Cap closure. J. S. Reid. 1,512,043; Oct. 21.
Car door, Box. W. P. Murphy. 1,512,233; Oct. 21.
Car end. W. P. Murphy. 1,512,234; Oct. 21.
Car, Poultry. I. V. Edgerton. 1,512,215; Oct. 21.
Car, Railway. H. W. Sanford. 1,512,059; Oct. 21.
Car roof. A. R. Wilson. 1,512,436; Oct. 21.
Car token, Street. W. F. Kaynor. 1,512,604; Oct. 21.
Cars, Convertible light for motor. D. C. Brewer. 1,512,742; Oct. 21.
Carburetor, Vaporizing. E. I. Pearson. 1,512,304; Oct. 21.
Carburetors, Device for regulating temperature of air in. H. N. Edens. 1,512,527; Oct. 21.
Card holder. C. T. Goewey. 1,512,332; Oct. 21.
Card, Time. J. A. Minch. 1,512,784; Oct. 21.
Carding machinery. W. W. Arnold, Jr. 1,512,267; Oct. 21.
Carrier: See—
Bag carrier. Tire carrier.
Case: See—
Brief case. Shipping case.
Cigar and cigarette case. Spark-plug case.
Cigarette case.
Cash register. W. Naumann. 1,512,357; Oct. 21.
Cashier's protector. G. A. Musselman. 1,512,791; Oct. 21.
Cast-metal wheel. D. Van Alstyne. 1,512,433; Oct. 21.
Casting apparatus. W. S. Sutton. 1,512,721; Oct. 21.
Casting float. D. B. Ward. 1,512,656; Oct. 21.
Catamantal sacks, Supporting means for. A. L. Smith. 1,512,143; Oct. 21.
Cementing and circulating head. J. W. MacClatchie. 1,512,619; Oct. 21.
Centrifugal concentration, Apparatus for. O. B. Peck, Jr. 1,512,305; Oct. 21.
Centrifugal concentrator. L. M. Kellogg. 1,512,469; Oct. 21.
Centrifugal separator. H. D. Hellmers. 1,512,687; Oct. 21.
Centering device. B. F. Faunce. 1,512,586; Oct. 21.
Ceramic bodies, Temporary binder for. J. A. Nagle. 1,512,299; Oct. 21.
Chain. C. W. A. Hoelkebeck. 1,512,609; Oct. 21.
Chain clasp. G. F. Eckart. 1,512,833; Oct. 21.
Chain, Wheel. G. I. Worley. 1,512,325; Oct. 21.
Chair: See—
Adjustable chair.
Chandeller, Three-light body holder for a. F. M. Poritz. Des. 65,829; Oct. 21.
Chandeller, Two-light body holder for a. F. M. Poritz. Des. 65,830; Oct. 21.
Chemical reactions, Speeding. H. B. Kipper. 1,512,225; Oct. 21.
Chicken-deloosing apparatus. A. G. Fransen. 1,512,530; Oct. 21.
Child's waist. W. H. Somers. 1,512,864; Oct. 21.
Chipping tool. J. W. Merritt. 1,512,355; Oct. 21.
Chuck, Automatic. F. Beck. 1,512,078; Oct. 21.
Chute, Wall. W. H. Pratt. 1,512,307; Oct. 21.
Cigar and cigarette case. H. D. Hough. 1,512,100; Oct. 21.
Cigarette. J. P. Schaefer. 1,512,241; Oct. 21.
Cigarette case. E. B. Hough. 1,512,098-9; Oct. 21.
Cigarette holder. E. Eksbergian. 1,512,836; Oct. 21.
Cigarette-making device. C. H. Pohle. 1,512,636; Oct. 21.
Clamp: See—
Railway clamp.
Clamping base. T. E. Gilmore. 1,512,416; Oct. 21.
Clasp: See—
Chain clasp. Garment clasp.
Cleaner: See—
Broom-corn cleaner. Toilet-seat cleaner.
Grain cleaner.
Clock case. G. S. Brush. Des. 65,799; Oct. 21.
Closure fastener. E. L. Sloan. 1,512,245; Oct. 21.
Closure for containers. W. A. Lorenz. 1,512,346-9; Oct. 21.
Cloth-cutting machine. H. Malmn and A. Freddy. 1,512,123-4; Oct. 21.
Clothesline-supporting trolley. R. H. Tomlinson. 1,512,069; Oct. 21.
Clothespin. L. S. Baluta and G. A. McAfee. 1,512,445; Oct. 21.
Clothes wringer, Metal. A. O. Hubbard. 1,512,692; Oct. 21.
Clutch. W. A. Chryst. 1,512,675; Oct. 21.
Clutch. P. R. Hancock. 1,512,760; Oct. 21.
Clutch and transmission mechanism, Combined hydraulic. A. E. Holbrook. 1,512,538; Oct. 21.
Clutch, Reversible. A. G. Cook, Jr. 1,512,878; Oct. 21.
Coal, Distillation of bituminous. F. C. Blythe. 1,512,577; Oct. 21.
Coal drill. J. R. Gamble. 1,512,841; Oct. 21.
Coal or other mineral and apparatus therefor, Treating. A. A. Lockwood. 1,512,701; Oct. 21.
Coal, Treatment of small or finely-divided. W. W. Stenning, P. T. Williams, W. H. Beasley, and A. B. Middleton. 1,512,499; Oct. 21.
Coating material. W. H. Sommer. 1,512,371; Oct. 21.
Coconuts and the like, Machine for removing the pulp or core in. B. Müller. 1,512,790; Oct. 21.
Coin assorter. C. H. Birdsall. 1,512,447; Oct. 21.
Coin or change holding and delivering device. S. Khalil. 1,512,470; Oct. 21.
Collapsible tube. J. E. Semmes, Jr. 1,512,503; Oct. 21.
Collars and like articles, Making. C. A. Horton. 1,512,287; Oct. 21.
Comb. S. Oliver. 1,512,857; Oct. 21.
Combustion apparatus. B. Valjean. 1,512,869; Oct. 21.
Compass, Electric steering. L. Rellstab. 1,512,051; Oct. 21.
Computing machine. B. C. Stickney. 1,512,506; Oct. 21.
Concrete curb construction. H. E. Dillon. 1,512,828; Oct. 21.
Concrete pipe, Jacket or outside form for manufacture of. A. A. Clark. 1,512,198; Oct. 21.
Concrete structures, Reinforcement for. J. H. Holmgreen. 1,512,763; Oct. 21.
Condenser joint. J. C. Goosmann. 1,512,219; Oct. 21.
Conductor support. H. P. Chandler. 1,512,457; Oct. 21.
Contact device, Combination. F. C. De Reamer. 1,512,203; Oct. 21.
Control system for machine tools. H. L. Blood. 1,512,574; Oct. 21.
Conveyer systems, Switching mechanism for. R. Amory. 1,512,186; Oct. 21.
Conveyers, Automatic switch for. F. R. Taisey. 1,512,250; Oct. 21.
Cooker, Electric. R. J. Patterson. 1,512,482; Oct. 21.
Cooking machine. H. A. Campbell. 1,512,674; Oct. 21.
Corset. J. Siegel. 1,512,369; Oct. 21.
Couplers, Uncoupling device for car. C. W. Booth. 1,512,196; Oct. 21.
Coupling: See—
Pipe coupling. Sucker-rod coupling.
Cow stall, Sanitary. J. W. Kolb. 1,512,610; Oct. 21.
Cranks, Balanced. J. A. Oldson. 1,512,479; Oct. 21.
Crate, Breeding. A. W. Foster. 1,512,753; Oct. 21.
Crosshead pin. H. A. Hoke. 1,512,093; Oct. 21.
Crucible production, Thorium. H. K. Richardson and T. M. Swift. 1,512,801; Oct. 21.
Crusher. P. Phelps. 1,512,236; Oct. 21.
Cuff link. J. F. Connor. 1,512,877; Oct. 21.
Cululoidlike products, Producing noninflammable. A. Fausten. 1,512,751; Oct. 21.
Cut-off mechanism. L. K. Davis. 1,512,202; Oct. 21.
Cutter: See—
Gear cutter. Sand cutter.
Potato cutter.
Cutter knife, Rotary. E. M. Porter. 1,512,484; Oct. 21.
Cycles and the like, Stretching device for saddles for. A. W. Starck. 1,512,145; Oct. 21.
Cylinder, Air-cooled. H. B. Massey. 1,512,295; Oct. 21.
Cylinder lining. P. J. Andrews. 1,512,570; Oct. 21.
Delivery-table mechanism. E. F. Dudley. 1,512,679; Oct. 21.
Demonstrator. T. W. Carey, Jr. 1,512,745; Oct. 21.
Dental floss holder. J. A. Peckham. 1,512,633; Oct. 21.
Dental impression tray. G. A. Harper. 1,512,686; Oct. 21.
Dentures, Process and machine for grinding completed plates of artificial. J. S. Miller. 1,512,126; Oct. 21.
Desiccation. W. L. Fleisher. 1,512,461; Oct. 21.
Diaphragm for sound reproduction. F. A. E. Jenkins. 1,512,850; Oct. 21.
Dispensing cabinet. R. D. Hawley. 1,512,423; Oct. 21.
Dividers and callipers. E. H. Herrstrum. 1,512,690; Oct. 21.
Doll. L. S. Candia. Des. 65,800; Oct. 21.
Doll. E. J. Derst. Des. 65,802; Oct. 21.
Doll. H. E. Leland. Des. 65,816; Oct. 21.

Doll, S. E. Mathews. Des. 65,822; Oct. 21.
 Doll, S. B. Shaw. Des. 65,835; Oct. 21.
 Doll, S. G. Stevens. Des. 65,838; Oct. 21.
 Doll, Novelty. F. D. Harley. Des. 65,807; Oct. 21.
 Dominoes, Set of. J. P. Babcock. Des. 65,794; Oct. 21.
 Door and screen guard therefor. Screen. A. O. Lower. 1,512,853; Oct. 21.
 Doors and partitions, Corner construction for metal. G. H. Anderson. 1,512,569; Oct. 21.
 Doors and the like, Fastening means for railway-wagon. M. S. S. O'Connor. 1,512,632; Oct. 21.
 Doors, Hanger for sliding. P. S. McMillon. 1,512,552; Oct. 21.
 Drawing instrument. O. Butz and W. E. Dreyer. 1,512,015; Oct. 21.
 Drier: See—
 Hair-drier.
 Drill: See—
 Coal drill.
 Drill and screw set, Combined. S. Solop. 1,512,498; Oct. 21.
 Drilling machines, Safety means for. O. W. Mueller. 1,512,231; Oct. 21.
 Drinking fountain, Antifreezing. P. Mueller and A. C. Schuermann. 1,512,628; Oct. 21.
 Driving and counterbalancing mechanism. B. D. Stevens. 1,512,647; Oct. 21.
 Drying apparatus. G. A. Lough. 1,512,776; Oct. 21.
 Ear, Device for cleaning and treating the. L. Carnanico. 1,512,274; Oct. 21.
 Egg beater. F. Benson. 1,512,669; Oct. 21.
 Egg candling and measuring device. I. A. Moe and C. O. Halling. 1,512,297; Oct. 21.
 Egg-processing machine. M. Kasser. 1,512,603; Oct. 21.
 Ejector. K. Baumann. 1,512,156; Oct. 21.
 Electric accumulator. A. Pouchain. 1,512,485; Oct. 21.
 Electric cable installation. R. W. Atkinson. 1,512,443; Oct. 21.
 Electric catcher and conveyer. W. A. Fitzsimmons. 1,512,413; Oct. 21.
 Electric distribution, System of. F. P. Whitaker. 1,512,255; Oct. 21.
 Electric generating system. G. R. Radley. 1,512,135; Oct. 21.
 Electric heater. T. S. Fuller and J. A. Ward. 1,512,209; Oct. 21.
 Electric heater. D. H. McCorkle. 1,512,289; Oct. 21.
 Electric heating device. T. C. Russell. 1,512,366; Oct. 21.
 Electric-light-bowl hanger. W. B. Goddard. 1,512,757; Oct. 21.
 Electric machines, Commutator for dynamo. F. A. Haughton. 1,512,221; Oct. 21.
 Electric switch. C. E. Bennett and C. G. Adair. 1,512,735; Oct. 21.
 Electric switch. G. A. Burnham. 1,512,083; Oct. 21.
 Electric switch. C. L. Perry. 1,512,235; Oct. 21.
 Electric switch. J. W. and R. P. Simmons. 1,512,244; Oct. 21.
 Electrical fixture-supporting device. R. B. Benjamin. 1,512,816; Oct. 21.
 Electrical receptacle and plug. R. B. Benjamin. 1,512,815; Oct. 21.
 Electricity and apparatus therefor, System of distributing. D. Salazar M. 1,512,185; Oct. 21.
 Electrode, Welding. H. D. Morton. 1,512,786; Oct. 21.
 Electromagnetic switch, Automatic. H. Sundhausen. 1,512,004; Oct. 21.
 Elevating apparatus, Portable. W. S. Young. 1,512,390; Oct. 21.
 Embroidering-machine attachment. M. Aronson and W. Baumgart. 1,512,738; Oct. 21.
 Embroidery machines, Workholders for Swiss. A. Taylor. 1,512,868; Oct. 21.
 Engine: See—
 Explosion engine. Internal-combustion engine.
 Engine-control device. M. C. Copes. 1,512,408; Oct. 21.
 Engines, Fuel pump for internal-combustion. L. Illmer. 1,512,102; Oct. 21.
 Engines, Induction system of internal-combustion. H. R. Ricardo. 1,512,311; Oct. 21.
 Engines, Jacket heater for internal-combustion. J. Astrom. 1,512,517; Oct. 21.
 Engines, Sparking plug for internal-combustion. M. A. Gray. 1,512,168; Oct. 21.
 Engines, Starting device for internal-combustion. P. Corniere. 1,512,879; Oct. 21.
 Engines, Valve for internal-combustion. G. W. Davis. 1,512,525; Oct. 21.
 Engines, Valve gear for steam. L. M. Ellis. 1,512,205; Oct. 21.
 Engines, Water circulator for internal-combustion. G. A. and V. C. Sparks. 1,512,375; Oct. 21.
 Evaporating pan. A. D. Stevens and N. A. Gilbert. 1,512,505; Oct. 21.
 Explosion engine. E. Potter. 1,512,710; Oct. 21.
 Explosives, Means for attaching caps and fuses to stick. F. Saucier. 1,512,714; Oct. 21.
 Extension table. W. Angus. 1,512,266; Oct. 21.
 Extractor: See—
 Vapor extractor.
 Fabrics, Machine for cutting. E. J. Van Amburgh. 1,512,655; Oct. 21.

Fabrics, Making curved. C. A. Horton. 1,512,286; Oct. 21.
 Fan blower. H. C. Wallace. 1,512,322; Oct. 21.
 Fare box. C. H. Woods. 1,512,515; Oct. 21.
 Farm implement working on the fixed-cable system, Mechanically-operated. J. and P. Robinson. 1,512,803; Oct. 21.
 Fastener-supplying reservoir. F. A. Rumney. 1,512,045; Oct. 21.
 Faucet. L. Schmidt. 1,512,806; Oct. 21.
 Faucet-handle construction. J. McCarty. 1,512,702; Oct. 21.
 Fertilizer distributor. A. Hodges. 1,512,762; Oct. 21.
 Fiber-board box. J. W. Webb. 1,512,729; Oct. 21.
 File-cutting machine. H. Durlach. 1,512,585; Oct. 21.
 Filtering process and apparatus. J. F. Walt. 1,512,321; Oct. 21.
 Fire extinguisher. T. M. Dunlap. 1,512,830; Oct. 21.
 Fire extinguisher. R. C. Iddings. 1,512,767; Oct. 21.
 Firing mechanism. F. D. Sprague and P. W. Allison. 1,512,240; Oct. 21.
 Fishing rod. S. T. Thorpe. 1,512,509; Oct. 21.
 Fixture stud. F. A. Price. 1,512,038; Oct. 21.
 Flash light. G. I. Johnson. 1,512,467-8; Oct. 21.
 Filler. J. H. Harnett. 1,512,220; Oct. 21.
 Floor-board adjuster and clamp. T. B. Miller. 1,512,356; Oct. 21.
 Flowerpot stand. R. E. Adkins. Des. 65,792; Oct. 21.
 Fluid-pressure indicator. H. C. Widlake. 1,512,385; Oct. 21.
 Fluorescent screen. W. P. Davey. 1,512,200; Oct. 21.
 Flying machine. H. G. Lindquist. 1,512,773; Oct. 21.
 Flying machines, Method and apparatus for testing. F. B. Crocker. 1,512,409; Oct. 21.
 Fogs, Composition for dispelling. C. J. S. Miller. 1,512,783; Oct. 21.
 Follow-up mechanism. H. C. Hayes. 1,512,222; Oct. 21.
 Food-preparing machine. S. W. Smith. 1,512,644; Oct. 21.
 Food product and making same. G. Washington. 1,512,731; Oct. 21.
 Footboard. J. C. Little. 1,512,774-5; Oct. 21.
 Foot support. L. D. Noble. 1,512,302; Oct. 21.
 Force transmitted in tools and machines, Apparatus for limiting the. I. Benko. 1,512,192; Oct. 21.
 Foundry mixer. T. A. Hibbins. 1,512,536; Oct. 21.
 Fountain: See—
 Drinking fountain.
 Fringe, Drapery. J. Wotoczek. Des. 65,841; Oct. 21.
 Frog, Spring. J. E. Conley. 1,512,276; Oct. 21.
 Fruit picker. A. V. Edstrom. 1,512,680; Oct. 21.
 Fruit-pitting machine. J. J. Eldridge. 1,512,410; Oct. 21.
 Fuel, Apparatus for gaseous. A. Sauer. 1,512,487; Oct. 21.
 Fuel from residues, Recovering. G. Ulrich, F. Gruessner, and H. Dyck. 1,512,870; Oct. 21.
 Fuel-producing process and product. W. E. Trent. 1,512,427; Oct. 21.
 Furnace: See—
 Heating furnace.
 Furnace control. E. McLean. 1,512,121; Oct. 21.
 Furnaces, Feeding device for glass. F. L. Hitchcock. 1,512,223; Oct. 21.
 Furniture, Convertible. W. J. Michelet. 1,512,782; Oct. 21.
 Furniture, Printer's. E. B. Handley. 1,512,172; Oct. 21.
 Fuse, Percussion. R. R. Carey, W. L. Lukens, and L. N. D. Mixell. Re15,933; Oct. 21.
 Game. E. M. Clark. 1,512,819; Oct. 21.
 Game. A. Tegtmeyer and L. Schneider. 1,512,147; Oct. 21.
 Game apparatus. G. Székely. 1,512,722; Oct. 21.
 Game board. R. C. Arnold. 1,512,442; Oct. 21.
 Game board. W. M. Smith. Des. 65,836; Oct. 21.
 Garment clasp. M. G. Blank. 1,512,671; Oct. 21.
 Gas and oil burner. F. G. Pfahl. 1,512,132; Oct. 21.
 Gas and oil separator. B. Neill. 1,512,358; Oct. 21.
 Gas burner. N. C. Davison. 1,512,579; Oct. 21.
 Gasoline-tank appliance. H. C. Taylor. 1,512,065; Oct. 21.
 Gate. G. A. Hawken. 1,512,089; Oct. 21.
 Gauge: See—
 Manicuring gauge.
 Gear cutter. F. W. Jury. 1,512,543; Oct. 21.
 Gear cutting, Worm hob for. M. U. Ramsay and D. M. Moeglen. 1,512,798; Oct. 21.
 Gear-testing machine, Bench-type. P. M. Mueller. 1,512,626; Oct. 21.
 Gear wheel. W. E. Moore. 1,512,560; Oct. 21.
 Generator: See—
 Hydrocarbon-vapor generator. Ozone generator.
 Geographical compilation. G. W. R. Harriman. 1,512,598; Oct. 21.
 Glass: See—
 Opera glass.
 Glass-cutting apparatus. E. T. Ferngren. 1,512,412; Oct. 21.
 Glass feeder. L. D. Soublier. 1,512,373-4; Oct. 21.
 Glass-feeding machine, Automatic. T. W. Warren. 1,512,383; Oct. 21.
 Glass filler, Drinking. W. E. Field. 1,512,017; Oct. 21.
 Glass-forming machine. L. D. Soublier. 1,512,372; Oct. 21.

Glass forms, Producing. O. A. Boehm. 1,512,013; Oct. 21.
 Glass, Method and apparatus for delivering viscous. O. M. Tucker and W. A. Reeves. 1,512,566; Oct. 21.
 Goldleaf, Manufacture of. F. Demel. 1,512,825; Oct. 21.
 Grain cleaner. H. C. Wallace. 1,512,323; Oct. 21.
 Grain cutting and elevating machine, Combination. D. C. Van Buren. 1,512,567; Oct. 21.
 Grain shocker. G. Innes. 1,512,768-9; Oct. 21.
 Grease compounds, Handling. E. T. Schmucker. 1,512,060; Oct. 21.
 Grinders, Agitator for feed. W. L. Beall. 1,512,519; Oct. 21.
 Grinding machines, Dressing attachment for. C. Knowles. 1,512,608; Oct. 21.
 Grinding products containing a high percentage of grease, such as almonds, coffee beans, cacao beans, and the like. W. H. 1,512,466; Oct. 21.
 Gun barrel and gas trap, Combination. T. A. Bergin. 1,512,079; Oct. 21.
 Gun particularly adapted for submarines, Pivot. C. Waninger. 1,512,435; Oct. 21.
 Hair clipper. J. Love. 1,512,777; Oct. 21.
 Hair curler. W. D. Brown. 1,512,397; Oct. 21.
 Hair curler. R. and G. Scheanblum. 1,512,490; Oct. 21.
 Hair net or cap. A. Burnet. 1,512,272; Oct. 21.
 Hammer, Pneumatic. W. H. Wineman. 1,512,892; Oct. 21.
 Handle: See—
 Insulating handle. Sure-grip handle.
 Hanger: See—
 Bumper-bar hanger. Electric-light-bowl hanger.
 Harrow, Disk. C. H. White. 1,512,257-8; Oct. 21.
 Hat. E. B. Hodahon. 1,512,465; Oct. 21.
 Hat-shape retainer. N. Rosen. 1,512,365; Oct. 21.
 Hay drier. R. C. Richardson. 1,512,052; Oct. 21.
 Hayrack shield. E. D. Eberle. 1,512,750; Oct. 21.
 Headlamp, Automobile. T. M. Bragg and J. F. Howarth. 1,512,158; Oct. 21.
 Headlight. P. W. White. 1,512,259; Oct. 21.
 Headlights, Dirigible mechanism for. A. Solosabal. 1,512,504; Oct. 21.
 Heat-regulating appliances, Controller for. W. H. Hill. 1,512,091; Oct. 21.
 Heater: See—
 Electric heater. Orchard heater.
 Heater. D. D. Hunt. 1,512,173; Oct. 21.
 Heaters, Controlling means for electric. T. Klitzel. 1,512,106; Oct. 21.
 Heating furnace. J. H. Knapp. 1,512,607; Oct. 21.
 Heel, Boot and shoe. A. E. Peckham. 1,512,858; Oct. 21.
 Heel-breasting machine. L. A. Casgrain. 1,512,884-5; Oct. 21.
 Heel-breasting machine. L. A. Casgrain. 1,512,887; Oct. 21.
 Heel-breasting machine. E. B. Grush. 1,512,883; Oct. 21.
 Heel-breasting machine. E. B. Grush. 1,512,886; Oct. 21.
 Heel-breasting machine. H. M. Loomer. 1,512,882; Oct. 21.
 Heels, Machine for operating upon. L. A. Casgrain. 1,512,881; Oct. 21.
 Hinge, Automobile door. H. J. Mastenbrook. Re15,934; Oct. 21.
 Hinge for the seats and covers of water-closets. O. Kolstad. 1,512,098; Oct. 21.
 Hob. E. Wildhaber. 1,512,657; Oct. 21.
 Hoe, Rotary. M. Schilling. 1,512,502; Oct. 21.
 Holst, Service. J. D. London. 1,512,429; Oct. 21.
 Hoisting sling. P. Wagner. 1,512,149; Oct. 21.
 Hole enlarger. S. G. Woodruff. 1,512,658; Oct. 21.
 Hollow-handle article. R. J. Marsh. 1,512,622; Oct. 21.
 Hook: See—
 Lifting hook.
 Hook. O. L. Sobley. 1,512,497; Oct. 21.
 Hose, Method and apparatus for testing. J. C. Sproull. 1,512,063; Oct. 21.
 Hot-box alarm, Automatic. J. W. Carman. 1,512,456; Oct. 21.
 Hub for steering wheels. A. E. Bronson. 1,512,396; Oct. 21.
 Hydrocarbon motor. A. Macauley. 1,512,119; Oct. 21.
 Hydrocarbon-vapor generator. M. M. Levinson. 1,512,474; Oct. 21.
 Hydrochloric acid and sodium sulphate, Making. H. B. Kipper. 1,512,226; Oct. 21.
 Hydrogen sulphide in illuminating and other gas, Quantitative determination of. W. H. Fuellweller. 1,512,893; Oct. 21.
 Ice-cream freezer. R. B. Bagby. 1,512,665; Oct. 21.
 Ice creeper. J. A. Wallin. 1,512,727; Oct. 21.
 Ice retainer. J. Miller. 1,512,556; Oct. 21.
 Illuminating device. L. Erikson. 1,512,528; Oct. 21.
 Illuminating plant for vehicles, specially motor cycles. K. Knapp. 1,512,105; Oct. 21.
 Incubator. G. Dannenberg. 1,512,524; Oct. 21.
 Indicator: See—
 Fluid-pressure indicator. Liquid-level indicator.
 Induction motor. E. Juillard. 1,512,693; Oct. 21.
 Inkstand. A. Jaegers. Des. 65,810; Oct. 21.
 Insect destroyer. T. A. Sissom. 1,512,643; Oct. 21.
 Insole and making same, Welt. L. E. Beaudin. 1,512,668; Oct. 21.
 Insulating handle, Heat. J. Borel. 1,512,197; Oct. 21.

Internal-combustion engine. L. Breguet. 1,512,673; Oct. 21.
 Internal-combustion engine. E. R. Burtnett. 1,512,404; Oct. 21.
 Internal-combustion engine. E. R. Burtnett. 1,512,874; Oct. 21.
 Internal-combustion engine. W. T. Soulls. 1,512,718; Oct. 21.
 Internal-combustion engine. M. Stockman. 1,512,649; Oct. 21.
 Internal-combustion engine, Two-cycle. W. J. Still. 1,512,318; Oct. 21.
 Iron: See—
 Marcelling iron. Soldering iron.
 Ironing board. W. Bachrach. 1,512,663; Oct. 21.
 Jack: See—
 Lifting jack. Pump jack.
 Pneumatic jack.
 Jack. C. H. Glivens. 1,512,842; Oct. 21.
 Jack and driving means for same, Pumping. H. W. Running. 1,512,056; Oct. 21.
 Jack and rim tool, Combined lifting. M. S. Mentzer. 1,512,624; Oct. 21.
 Jaw wrench, Adjustable. C. J. Moore. 1,512,559; Oct. 21.
 Jet exhauster. L. F. Koellner. 1,512,697; Oct. 21.
 Joint: See—
 Condenser joint. Universal joint.
 Journal bearing. H. H. Barber. 1,512,814; Oct. 21.
 Knitting machines, Loop-regulating attachment for full-fashioned. F. H. Stoeckel. 1,512,048; Oct. 21.
 Knitting machines, Yarn control for. W. P. Drumheller. 1,512,891; Oct. 21.
 Knockdown seat. L. L. Wynn. 1,512,326; Oct. 21.
 Lace. H. B. Barnum. Des. 65,795; Oct. 21.
 Lace braiders, Carrier drive for. H. Staub. 1,512,146; Oct. 21.
 Lacing tip, Forming a. J. R. Dennis. 1,512,162; Oct. 21.
 Ladder, Sack. M. Troy. 1,512,654; Oct. 21.
 Lamp cap, Dashboard. N. B. Lundahl. 1,512,778; Oct. 21.
 Lamp casing. A. F. Pieper. Des. 65,827-8; Oct. 21.
 Lamp house, Adjustable. T. F. Uhlemann. 1,512,148; Oct. 21.
 Lamp, Wall. G. J. Klein. 1,512,606; Oct. 21.
 Lamps, Harp fixture for. C. W. Davis. 1,512,201; Oct. 21.
 Lathe dog. J. M. Wood. 1,512,155; Oct. 21.
 License-plate holder. E. Heavin. 1,512,335; Oct. 21.
 License-plate holder, Illuminated. K. B. Brynildson. 1,512,082; Oct. 21.
 Lifting hook. J. M. Sandford. 1,512,315; Oct. 21.
 Lifting jack. T. R. Holland. 1,512,224; Oct. 21.
 Light: See—
 Flash light.
 Lighting accessory, Street. J. B. Radford. 1,512,039; Oct. 21.
 Lighting fixture arm. I. Levy. Des. 65,817; Oct. 21.
 Lighting fixtures, Pedestal for. S. Sobel. Des. 65,837; Oct. 21.
 Lighting set. L. Haft. 1,512,888; Oct. 21.
 Lightning arrester. R. Wolf and H. G. Pierson. 1,512,387; Oct. 21.
 Limb and making the same, Artificial. A. Roberts. 1,512,563; Oct. 21.
 Line-lock mechanism and margin stop. O. A. Hokanson. 1,512,025; Oct. 21.
 Liner. W. T. Ivins. 1,512,542; Oct. 21.
 Link, Fusible. J. J. Lyth. 1,512,117; Oct. 21.
 Liquid-fuel burner. O. and C. O. Falkenwalde. 1,512,206; Oct. 21.
 Liquid-level indicator. C. M. Fisk. 1,512,752; Oct. 21.
 Liquid-reserve-supply device. F. G. Whittington. 1,512,384; Oct. 21.
 Loading and elevating machine, Portable. E. J. Walsh. 1,512,382; Oct. 21.
 Lock: See—
 Nut lock.
 Lock. S. Segal. 1,512,141; Oct. 21.
 Lock. J. H. Shaw. 1,512,368; Oct. 21.
 Lock washer. H. V. McDonald. 1,512,551; Oct. 21.
 Locomotive. J. A. Pfeiffer. 1,512,709; Oct. 21.
 Locomotive. J. W. Small and L. D. Freeman. 1,512,317; Oct. 21.
 Locomotive driving boxes, Lateral-motion appliance for. J. G. Blunt. 1,512,449; Oct. 21.
 Locomotive tender. R. V. Anderson. 1,512,440; Oct. 21.
 Locomotive truck. J. G. Blunt. 1,512,576; Oct. 21.
 Locomotive, Turbine-driven. F. Ljungström. 1,512,852; Oct. 21.
 Looms, Lug-strap holder for. J. J. Lyth. 1,512,118; Oct. 21.
 Looms, Tube-chain-driving mechanism for carpet. E. H. Ryon. 1,512,057; Oct. 21.
 Lubricating system. P. H. Gaskins. 1,512,216; Oct. 21.
 Magnetic separator. P. Lorang. 1,512,344; Oct. 21.
 Mail box, City and rural. J. E. Jackson. 1,512,337; Oct. 21.
 Mailing wrapper. H. L. Greve. 1,512,843; Oct. 21.
 Manicure kit. A. T. Reld. 1,512,799; Oct. 21.
 Manicuring gauge. L. J. Rose. 1,512,864; Oct. 21.
 Manure spreader and feed mechanism therefor. N. H. Bloom. 1,512,448; Oct. 21.
 Marcelling iron. A. A. Macdonald. 1,512,620; Oct. 21.

Marking machines, Inking device for. L. Neuschwan-
der. 1,512,300; Oct. 21.
Match box. E. J. Hekrdlo. 1,512,464; Oct. 21.
Medicinal vaporizer. R. Jackson. 1,512,338; Oct. 21.
Metal articles and producing the same, Finish for. W.
L. Kray. 1,512,612; Oct. 21.
Metal mold. J. F. Keller. 1,512,695; Oct. 21.
Metal strip or similar article of manufacture. D. Stoll.
D. S. 65,839; Oct. 21.
Metal wheel and making the same. A. J. Adams.
1,512,568; Oct. 21.
Metals, alloys, and the like, Manufacture of. T. R.
Haglund. 1,512,462; Oct. 21.
Meter. M. Smithy. 1,512,144; Oct. 21.
Milk and coffee dispenser. A. Kuhn. 1,512,341; Oct. 21.
Mixer: See—
Foundry mixer.
Mixing machines, Power discharge for. A. W. Rybeck.
1,512,501; Oct. 21.
Moistening device. A. D. Harmon. 1,512,597; Oct. 21.
Moisture and vermin proof material. E. L. Kennedy.
1,512,104; Oct. 21.
Mold: See—
Metal mold.
Mold. R. P. M. Davis. 1,512,325; Oct. 21.
Monkey wrench, Combination. F. S. Horechney.
1,512,097; Oct. 21.
Monumental vase. C. C. Crossley. Des. 65,801; Oct. 21.
Motometers, Flag-supporting device for. W. and D. Dun-
nell. 1,512,831; Oct. 21.
Motor: See—
Hydrocarbon motor. Spring motor.
Induction motor.
Motor-driven conveyances, Motor drive for. E. L.
Miller. 1,512,232; Oct. 21.
Motors, Automatic load-control device for electric. C. M.
Holley and E. P. Oswald. 1,512,890; Oct. 21.
Motors, Fuel supply for. H. Schmitt. 1,512,242; Oct. 21.
Motors, Short circuiting device for alternating current.
J. L. Hadley and H. G. Reibel. 1,512,534; Oct. 21.
Movement between members, Producing relative. F.
Diehl. 1,512,279; Oct. 21.
Mower attachment. J. F. Pace. 1,512,303; Oct. 21.
Mower, Motor-driven gang lawn. C. C. Worthington.
1,512,439; Oct. 21.
Muffer. P. H. Gaskins. 1,512,210; Oct. 21.
Muffler. H. S. Powell. 1,512,859; Oct. 21.
Music-leaf turner. T. Feltola. 1,512,708; Oct. 21.
Musical instruments of the banjo type, Attachment for.
E. Houdlett. 1,512,766; Oct. 21.
Musical wind instrument. W. E. Higgins. 1,512,023;
Oct. 21.
Nail knobs, Machinery for assembling. J. G. Loy.
1,512,430; Oct. 21.
Nailing machine. A. C. Racett. 1,512,134; Oct. 21.
News stand. C. A. Kalbach. 1,512,694; Oct. 21.
North, latitude, and approximate sidereal time, or any of
them, Determining true. R. S. Hoar. 1,512,601;
Oct. 21.
Nozzle, Automatic shut-off. R. J. Pepper. 1,512,306;
Oct. 21.
Nut lock. C. E. Dyer. 1,512,832; Oct. 21.
Nut, Sp-lug. A. H. Tinnerman. 1,512,653; Oct. 21.
Odometer. J. K. Olson. 1,512,035-6; Oct. 21.
Oil burner. J. E. Greenwalt. 1,512,284; Oct. 21.
Oil burner. V. G. Patterson. 1,512,131; Oct. 21.
Oil burner. I. E. Smith. 1,512,247; Oct. 21.
Oil-atove burner. M. C. Shelton. 1,512,061; Oct. 21.
Oils, Converting. O. P. Amend. 1,512,264; Oct. 21.
Oils, Process of and apparatus for cracking or convert-
ing. O. P. Amend. 1,512,263; Oct. 21.
Oiler. Sew. W. T. Mount. 1,512,080; Oct. 21.
Oiling, drifting, and vacuum-breaking device, Automatic.
C. Stern and R. W. Braden. 1,512,646; Oct. 21.
Opera glass, Flashlight. I. Margaretten and M. Green-
man. 1,512,705; Oct. 21.
Orchard heater. P. G. Bulkley. 1,512,270; Oct. 21.
Ore, Reducing. J. Allingham. 1,512,262; Oct. 21.
Ore separator. R. J. Piersol and A. D. Riley.
1,512,635; Oct. 21.
Ores by flotation, Concentration of. R. E. Sayre.
1,512,139; Oct. 21.
Organ, Pipe. C. E. Grant. 1,512,088; Oct. 21.
Oven racks, Shield for. H. Kielberg. 1,512,179;
Oct. 21.
Oven, Sheet-metal. H. Kieberg. 1,512,178; Oct. 21.
Oxides, Reduction of. L. Burgess. 1,512,271; Oct. 21.
Ozone generator. H. R. Hartman. 1,512,285; Oct. 21.
Packer, Combination set-down and screw-off. J. D.
Nixon. 1,512,301; Oct. 21.
Packing setter. W. E. Bumpus. 1,512,818; Oct. 21.
Paddle. G. W. Abraham. 1,512,391; Oct. 21.
Padlock. J. B. Freysinger. 1,512,589-90; Oct. 21.
Pan: See—
Evaporating pan.
Paper. W. S. Fowler. Des. 65,803; Oct. 21.
Paper. R. L. Marwede. Des. 65,821; Oct. 21.
Paper cutting and pasting machine. R. J. Paratore.
1,512,481; Oct. 21.
Paper duster. O. Albert. 1,512,516; Oct. 21.
Paper-folding and wrapper-applying machine. G. E.
Rider and C. A. Gleason. 1,512,312; Oct. 21.
Paper-sizing composition. J. A. De Cew. 1,512,213;
Oct. 21.

Paper-sizing composition and making the same. J. A.
De Cew. 1,512,212; Oct. 21.
Paper table. D. Y. Read. 1,512,308; Oct. 21.
Pencil. G. R. McCabe. 1,512,779; Oct. 21.
Percolator. V. Hebert. 1,512,761; Oct. 21.
Phonographs, Automatic start and stop mechanism for.
S. Kohn. 1,512,426; Oct. 21.
Photographic positives, Production of sound-record. J.
Engl. 1,512,681; Oct. 21.
Photographs, Album for. T. E. McGaughey. 1,512,290;
Oct. 21.
Piano-tuning key. L. L. Korach. 1,512,699; Oct. 21.
Picker: See—
Fruit picker.
Picture, Animated. C. W. Saalburg. 1,512,138; Oct. 21.
Picture machine, Moving. C. J. Barnes. 1,512,446;
Oct. 21.
Pie rack. E. Sutter. 1,512,867; Oct. 21.
Pie fabric. J. Gowan. Des. 65,805; Oct. 21.
Piling, Composition for treating. C. L. Wright and E.
Toal. 1,512,659; Oct. 21.
Piling, Treating. C. L. Wright and E. Toal. 1,512,660;
Oct. 21.
Pin: See—
Crosshead pin.
Pipe: See—
Smoking pipe.
Pipe. R. R. Robertson and C. G. Naylor. 1,512,802;
Oct. 21.
Pipe coupling. H. P. Kraft. 1,512,895; Oct. 21.
Pipe coupling. P. Mueller. 1,512,208; Oct. 21.
Pipe puller. C. D. Farrier. 1,512,411; Oct. 21.
Piston-groove scraper. E. B. Larson and W. H. Murphy.
1,512,110; Oct. 21.
Piston ring. L. R. Bebnke. 1,512,393; Oct. 21.
Piston ring. W. E. Co. Hagan. 1,512,746; Oct. 21.
Piston-ring spring. H. C. Phelps. 1,512,362; Oct. 21.
Planer-control system. H. L. Blood. 1,512,575; Oct. 21.
Planting mechanism. C. E. White. 1,512,256; Oct. 21.
Plastic composition. C. D. Hocker. 1,512,024; Oct. 21.
Plastic objects, Machine for distributing. P. W. Funck.
1,512,331; Oct. 21.
Plate. R. M. Schiller. Des. 65,834; Oct. 21.
Platen equipment. D. Y. Read. 1,512,309; Oct. 21.
Platen setter. A. A. Egli. 1,512,835; Oct. 21.
Plow, Anti-side-draft. P. Hansmann and H. Strack.
1,512,535; Oct. 21.
Plow, Motor. J. E. Curton. 1,512,821; Oct. 21.
Plug packer. P. H. Mack. 1,512,621; Oct. 21.
Pneumatic jack. J. C. Evenden. 1,512,837; Oct. 21.
Pocketknife. M. P. Hermann. 1,512,689; Oct. 21.
Pool or billiard cue. J. Magono. 1,512,554; Oct. 21.
Potato cutter, Seed. E. Rosenthal. 1,512,055; Oct. 21.
Press: See—
Arbor press. Seal press.
Press dog, Cotton. T. S. Grimes. 1,512,533; Oct. 21.
Presses, Automatic inking device for printing. A. L.
Lengel. 1,512,342; Oct. 21.
Presses, Card-feeding device for printing. M. F. Atkin-
son. 1,512,571; Oct. 21.
Presses, Tying mechanism for baling. A. Grieves.
1,512,532; Oct. 21.
Preserving perishable products. G. L. A. Friedrichs.
1,512,591; Oct. 21.
Priming device and method. I. H. Wilsey. 1,512,386;
Oct. 21.
Printing machines, Machine for washing the blankets of.
T. Hindle and A. E. Birch. 1,512,537; Oct. 21.
Propeller. J. J. Callahan. 1,512,273; Oct. 21.
Protective system. H. Trencham. 1,512,251; Oct. 21.
Puller: See—
Pipe puller.
Pump control, Automatic. W. L. Foster. 1,512,208;
Oct. 21.
Pump jack. H. B. Nelson. 1,512,478; Oct. 21.
Pump-rod-turning mechanism. W. S. Pine. 1,512,483;
Oct. 21.
Pumping apparatus. G. A. Buvinger and C. Warner.
1,512,016; Oct. 21.
Pumping apparatus. O. J. Turnsek. 1,512,726; Oct. 21.
Pumping equipment. J. B. Swartz. 1,512,500; Oct. 21.
Quartz or similar material difficult to fuse and imper-
meable for gases, Producing vessels of. Z. von Hirsch-
berg. 1,512,511; Oct. 21.
Rack: See—
Ball rack. Towel rack.
Pie rack.
Rack support. L. C. Wetzel. 1,512,151; Oct. 21.
Radio and phonograph, Cabinet for combined. A. H.
Haag. Des. 65,806; Oct. 21.
Rail fastener. W. Dalton. 1,512,458; Oct. 21.
Railway and like carriages, Bogie for. A. Kamp.
1,512,340; Oct. 21.
Railway clamp. J. Lavigna. 1,512,613; Oct. 21.
Railway crossing. J. J. Du Bois. 1,512,280; Oct. 21.
Railway crossings, Automatic safety gate for. A. R.
De Camp. 1,512,580; Oct. 21.
Railway safety system. D. J. Bissell, jr. 1,512,194;
Oct. 21.
Railway spike and holder. C. Anderson. 1,512,265;
Oct. 21.
Railway tie. H. F. Poklop. 1,512,237; Oct. 21.

Railway-traffic-controlling apparatus. R. A. McCann.
1,512,120; Oct. 21.
Range boiler. R. Palmblade. 1,512,480; Oct. 21.
Razor. G. G. Floyd. 1,512,207; Oct. 21.
Razor blades, Device for sharpening safety. P. M. Saler-
ni. 1,512,058; Oct. 21.
Razor blades, Machine for polishing. F. G. Henry.
1,512,688; Oct. 21.
Reamer, Expansion. R. Johnson and A. Moreau.
1,512,339; Oct. 21.
Reel. P. L. Anderson. 1,512,188; Oct. 21.
Refrigerating apparatus. C. E. Maxwell. 1,512,623;
Oct. 21.
Refrigerating machine. C. C. Palmer. 1,512,793;
Oct. 21.
Refrigerating process and apparatus. T. I. Potter.
1,512,133; Oct. 21.
Register: See—
Cash register.
Regulator: See—
Automatic regulator.
Water-temperature regulator.
Remote control system. P. Kaminski. 1,512,103;
Oct. 21.
Retracting apparatus. H. Hannan. 1,512,077; Oct. 21.
Resetting mechanism. E. J. Brundt. 1,512,578; Oct. 21.
Resilient wheel. F. B. Ritchlow. 1,512,820; Oct. 21.
Resilient wheel. L. Rayment and H. G. Fletcher.
1,512,711; Oct. 21.
Rim and felly connection. A. S. and L. P. Groves.
1,512,845; Oct. 21.
Rim nut or the like. H. P. Kraft. 1,512,806; Oct. 21.
Ring: See—
Piston ring.
Ring. A. Brod. Des. 65,798; Oct. 21.
Ring. J. D. Gluffre. Des. 65,804; Oct. 21.
Ring traveler. P. C. Wentworth. 1,512,254; Oct. 21.
Road form. V. E. Funkhouser. 1,512,165; Oct. 21.
Road-repairing apparatus. J. S. Wylie. 1,512,389;
Oct. 21.
Rock boring. O. Schaub. 1,512,140; Oct. 21.
Rod: See—
Fishing rod.
Rods and tubes, Machine for assorting. J. A. Ryan and
L. Turner. 1,512,240; Oct. 21.
Rolling tool and holding device. C. R. Bowers.
1,512,394; Oct. 21.
Roof flange. F. D. Blauvelt. 1,512,672; Oct. 21.
Rotary cutting machine. E. Michel. 1,512,296; Oct. 21.
Rubber-mixing machine, Safety mechanism for. F. H.
Banbury. 1,512,813; Oct. 21.
Rubberizing filamentary material, Method and apparatus
for. E. Hopkinson and K. B. Cook. 1,512,095;
Oct. 21.
Rules, Spring joint for folding. C. G. Watson.
1,512,728; Oct. 21.
Saccharine powder and making same, Amorphous. G.
Washington. 1,512,730; Oct. 21.
Safety device for crossings. J. M. Arendale. 1,512,441;
Oct. 21.
Sand cutter. J. E. Chambers and E. L. Van Dolsen.
1,512,406; Oct. 21.
Sandwich holder and advertising device, Combination. I.
Hirtz. 1,512,090; Oct. 21.
Sash fastener and lock. P. Mayotte. 1,512,855; Oct. 21.
Sash, metal. G. H. Forsyth. 1,512,415; Oct. 21.
Saw blade, Hack. J. F. Miller. 1,512,625; Oct. 21.
Saw-blade-manufacturing machines, Workpiece holder
for. A. König. 1,512,031; Oct. 21.
Saw, Meat. J. Klopfenstein. 1,512,425; Oct. 21.
Scale, Advertising. G. C. Crane. 1,512,161; Oct. 21.
Scale, Weighing. C. H. Hapgood. 1,512,170; Oct. 21.
Scoop apron. R. L. Skinner. 1,512,809; Oct. 21.
Scouring and polishing apparatus. Disk. W. M. M.
Corkle and W. H. Wilson. 1,512,350; Oct. 21.
Scraper and spreader. R. G. Le Tourneau. 1,512,614;
Oct. 21.
Screen: See—
Fluorescent screen. Sewage screen.
Screen, Door or window. A. M. Anderson. 1,512,187;
Oct. 21.
Screen-door structure. C. Verduin. 1,512,252; Oct. 21.
Screw-driver attachment. G. G. Naugle and C. L. Hoff.
1,512,706; Oct. 21.
Screw, Temper. J. Strobel. 1,512,650; Oct. 21.
Scrubbing-pail attachment. M. H. Calder. 1,512,744;
Oct. 21.
Seal press. G. A. J. Meyer. 1,512,476; Oct. 21.
Searchlights, Automatic light control for adjustable.
J. K. Olson. 1,512,037; Oct. 21.
Seat: See—
Knockdown seat.
Seeding machine. T. J. McBride. 1,512,615; Oct. 21.
Separator: See—
Centrifugal separator. Magnetic separator.
Gas and oil separator. Ore separator.
Set shoe. W. H. Taylor. 1,512,066; Oct. 21.
Sewage screen. E. E. Johnson. 1,512,028; Oct. 21.
Sewing machines, Bobbin winder for. S. Restehuk.
1,512,712; Oct. 21.
Sewing machines, Feeding mechanism for. A. H. De Voe.
1,512,582; Oct. 21.
Shafting, Supporting. B. R. Adkins and W. Y. Lewis.
1,512,872; Oct. 21.

Shawl. J. K. Kaban. Des. 65,811-15; Oct. 21.
Shears. C. V. Jesse. 1,512,175; Oct. 21.
Sheet metal, Apparatus for holding and dispensing rolls
of. A. N. Parr. 1,512,129; Oct. 21.
Shingle, Interlocking. F. R. Brydie. 1,512,400; Oct. 21.
Shingle, Strip. J. Smith and M. E. Constable. 1,512,248;
Oct. 21.
Shipping case. H. R. Bliss. 1,512,157; Oct. 21.
Shock absorber. C. Culvert and J. F. Duhamel.
1,512,455; Oct. 21.
Shock absorber for hydraulic systems. R. H. Aldrich.
1,512,736; Oct. 21.
Shoe and making same. J. H. Reed. 1,512,238; Oct. 21.
Shoe-bottom-filler machine. G. H. Maxwell. 1,512,230;
Oct. 21.
Shoe-bottom-filling machine. G. H. Maxwell. 1,512,229;
Oct. 21.
Shoemaking. J. H. Reed. 1,512,042; Oct. 21.
Shoe polisher. W. G. McGuire. 1,512,292; Oct. 21.
Shoe upper, Ornamented. W. F. Bostock. 1,512,450;
Oct. 21.
Shovel and scoop blade. J. S. Surbaugh. 1,512,720;
Oct. 21.
Shoveling, transporting, and trucking machine, Material.
P. Groshek. 1,512,844; Oct. 21.
Shower device. W. L. Deming. 1,512,581; Oct. 21.
Shutter, Collapsible. R. Hoffman. 1,512,092; Oct. 21.
Shuttle. W. A. Tebo. 1,512,379; Oct. 21.
Shuttle change. B. Della Libera. 1,512,343; Oct. 21.
Sifter cap. J. M. Hothersall. 1,512,540; Oct. 21.
Signal: See—
Automobile signal.
Siphon. W. C. Brinton. 1,512,159; Oct. 21.
Skate or other runner. W. H. Young, Jr. 1,512,327;
Oct. 21.
Slate, School. H. G. Cross. 1,512,677; Oct. 21.
Smoke consumer. A. R. Clark. 1,512,275; Oct. 21.
Smoking pipe. E. G. Bjorklund. 1,512,670; Oct. 21.
Snap-switch mechanism. I. R. Seltzer. 1,512,716;
Oct. 21.
Soap-powder making, Method for use in. J. A. De Cew.
1,512,211; Oct. 21.
Sock, Garter. L. Chanin. 1,512,876; Oct. 21.
Socket, Short-circuit-proof. S. S. Grady. 1,512,594;
Oct. 21.
Soldering device. A. S. Dondero and G. A. Bardet.
1,512,459; Oct. 21.
Soldering iron, Electrical. A. B. Nelson. 1,512,359;
Oct. 21.
Solids of predetermined degrees of dispersion, Obtaining.
V. Kohlschütter. 1,512,897; Oct. 21.
Sorting machine. J. Wobols. 1,512,438; Oct. 21.
Sound-reproducing machine, Cabinet for. E. F. Sanford,
jr. Des. 65,833; Oct. 21.
Spark plug. J. B. Rogers. 1,512,564; Oct. 21.
Spark plug. H. W. Stuver. 1,512,319; Oct. 21.
Spark-plug case. C. D. Symms. 1,512,378; Oct. 21.
Spark-plug tester, Universal. G. G. Naugle. 1,512,707;
Oct. 21.
Spark tester. E. M. Sims. 1,512,662; Oct. 21.
Spectacles and eyeglasses, Adjustable nose piece for. L.
Arntz. 1,512,601; Oct. 21.
Speed-controlling device. J. A. Bigalaki. 1,512,573;
Oct. 21.
Spindle turning appliance, Multiple. D. Turcott.
1,512,381; Oct. 21.
Spill, Surgical. W. J. Montgomery. 1,512,558; Oct. 21.
Spring: See—
Piston-ring spring. Vehicle suspension spring.
Vehicle spring.
Spring motor. E. C. Rechel. 1,512,136; Oct. 21.
Spring suspension system. F. L. O. Wadsworth.
1,512,512; Oct. 21.
Sprinkler: See—
Track sprinkler.
Stack sustaining and separating device. J. W. Town-
send. 1,512,050; Oct. 21.
Stair tread. H. Frood. 1,512,593; Oct. 21.
Stair treads, Nosing for. H. Frood. 1,512,592; Oct. 21.
Stamp, Two-color. H. L. Clary. 1,512,085; Oct. 21.
Stand: See—
News stand.
Staple. J. H. Reed. 1,512,040; Oct. 21.
Starting and stopping mechanism. W. C. Stewart.
1,512,046; Oct. 21.
Steam or other vapors, Evaporative condenser for. G.
F. Jones and T. L. Hale. 1,512,602; Oct. 21.
Steel card holder. E. E. Bull. 1,512,453; Oct. 21.
Steering wheel. J. H. Hammes. 1,512,847; Oct. 21.
Steering wheel. J. G. Williamson. 1,512,072; Oct. 21.
Stereocameras, Diaphragm for the objectives of. J.
Mittasch. 1,512,785; Oct. 21.
Stock loader. W. B. Gharst and G. Karl. 1,512,756;
Oct. 21.
Stock-pile-feed mechanism. B. D. Stevens. 1,512,648;
Oct. 21.
Stoker. A. G. Barhlite. 1,512,392; Oct. 21.
Stoker mechanism. O. Aram. 1,512,812; Oct. 21.
Stoker. T. Wright. 1,512,388; Oct. 21.
Stop-motion pins to warp threads, Apparatus for apply-
ing. S. Magnano. 1,512,704; Oct. 21.
Stopper: See—
Bottle stopper.
Stove, Radiant. G. F. Reznor. 1,512,800; Oct. 21.

Stoves, Combustion system for hot-blast. A. N. Diehl. 1,512,583; Oct. 21.
 Strainer holder. W. B. Byam. 1,512,875; Oct. 21.
 Strap wrench. G. Bryar. 1,512,014; Oct. 21.
 Striking bags, Suspension device for. A. E. Sandberg. 1,512,367; Oct. 21.
 Stripper box. P. P. Frazer. 1,512,018; Oct. 21.
 Sucker-rod coupling. B. D. Thompson. 1,512,380; Oct. 21.
 Sulphur from ore, Extracting. W. P. Thornton. 1,512,320; Oct. 21.
 Sure-grip handle, Adjustable. C. R. Custis. 1,512,747; Oct. 21.
 Surface coverings, Making. E. Mende. 1,512,125; Oct. 21.
 Surfaces of a work piece and in screw threading such surfaces, Means for use in machining two oppositely tapering. L. N. Hurt and J. E. Freeborn. 1,512,520; Oct. 21.
 Surgical saw. H. C. Masland. 1,512,781; Oct. 21.
 Switch: See—
 Button switch. Electromagnetic switch.
 Electric switch.
 Switch-actuating mechanism, Time-control. J. Rubin. 1,512,639; Oct. 21.
 Switch box, Electric. A. W. Lundstrom. 1,512,182; Oct. 21.
 Switch fitting, Double-slip. W. H. Newman. 1,512,127; Oct. 21.
 Switch with push-through control, Convertible electric cord. I. R. Seltzer. 1,512,717; Oct. 21.
 Swivel-bubbling head. P. Mueller and A. C. Schuermann. 1,512,627; Oct. 21.
 Synchronizing apparatus on a long distance. H. M. Petersen. 1,512,361; Oct. 21.
 Syringe, Hypodermic. E. H. Marcy. 1,512,204; Oct. 21.
 Table: See—
 Extension table. Paper table.
 Table. S. Y. Sullivan. 1,512,049; Oct. 21.
 Table and bathtub, Combination dressing. W. M. Colburn. 1,512,522; Oct. 21.
 Tag and tag-holding apparatus. C. E. Brigel. 1,512,395; Oct. 21.
 Tag system, Laundry. F. E. Klein. 1,512,696; Oct. 21.
 Take-up device. W. Fischer. 1,512,838; Oct. 21.
 Talking machines, Stylus bar for. F. A. E. Jenkins. 1,512,851; Oct. 21.
 Tanks against corrosion, Method of and apparatus for protecting metal. R. V. Mills. 1,512,557; Oct. 21.
 Tap wrench. D. B. Miller. 1,512,183; Oct. 21.
 Teapot or similar article. M. A. Van Nostrand. Des. 65,840; Oct. 21.
 Tea wagon or the like. H. Cave. 1,512,160; Oct. 21.
 Telegraphy, Printing. G. S. Vernam. 1,512,070; Oct. 21.
 Telephone-exchange system. B. G. Dunham. 1,512,584; Oct. 21.
 Telephone system. H. H. Ide. 1,512,101; Oct. 21.
 Telephone system. J. C. Stiles. 1,512,719; Oct. 21.
 Telephony and telegraphy, System of. W. W. McLaren. 1,512,293; Oct. 21.
 Temperature indicators, Signal head for. F. G. Whittington. 1,512,071; Oct. 21.
 Temperature-maintaining apparatus. A. J. Davis. 1,512,748; Oct. 21.
 Tensioning device. W. D. Hitch and O. K. Graf. 1,512,336; Oct. 21.
 Testing machine. H. L. Scott. 1,512,491; Oct. 21.
 Textile fabric. J. R. Newton. Des. 65,823-5; Oct. 21.
 Tie: See—
 Railway tie.
 Tire-bead construction. R. C. Pierce. 1,512,794-5; Oct. 21.
 Tire-bead reinforcement. R. C. Pierce. 1,512,796; Oct. 21.
 Tire-blow-out boot. J. Bordas. 1,512,081; Oct. 21.
 Tire-building apparatus. C. Kuentzel. 1,512,108; Oct. 21.
 Tire carrier. E. Mach. 1,512,553; Oct. 21.
 Tire-casing spreader. L. L. Dickman. 1,512,278; Oct. 21.
 Tire casings, Manufacture of. E. Hopkinson. 1,512,094; Oct. 21.
 Tire chain. P. B. Blocker. 1,512,269; Oct. 21.
 Tire deflator. W. A. Smith. 1,512,645; Oct. 21.
 Tie plate. J. T. Finley, O. I. Freeman, and C. R. Roberts. 1,512,086; Oct. 21.
 Tire, Resilient. E. O. Fowler. 1,512,164; Oct. 21.
 Tire, Resilient. E. J. F. Remark. Des. 65,832; Oct. 21.
 Tire tread. H. D. Reichard. Des. 65,831; Oct. 21.
 Tire tread, Pneumatic. H. S. Berlin. Des. 65,796; Oct. 21.
 Tire tread, Pneumatic. E. B. Bosworth. Des. 65,797; Oct. 21.
 Tire valve stems, Casing or cover for pneumatic. W. R. Royer. 1,512,044; Oct. 21.
 Tire, Vehicle. E. G. Hulse. Des. 65,808-9; Oct. 21.
 Tire, Vehicle. T. C. Marshall and E. G. Hulse. Des. 65,820; Oct. 21.
 Tires, Traction device for. C. S. Barrell. 1,512,518; Oct. 21.
 Toasting machine, Electric. J. Marcel. 1,512,122; Oct. 21.
 Toilet-paper-holder attachment. J. B. Isham. 1,512,840; Oct. 21.
 Toilet-seat cleaner. B. J. Isaac. 1,512,174; Oct. 21.

Tonneau panels, Channel structure for. J. Ledwinka. 1,512,113; Oct. 21.
 Tool. A. T. Johnson. 1,512,176; Oct. 21.
 Tool and implement and process of making, Hard. H. Baumhauer. 7,512,191; Oct. 21.
 Torch and device for opening oil cups, Combined. W. H. Fisher. 1,512,839; Oct. 21.
 Torpedo, Railway signal. F. Dutcher. 1,512,749; Oct. 21.
 Torpedoes, Liquid composition for driving self-propelled. H. Maxim. 1,512,354; Oct. 21.
 Towel rack. W. L. Pardue. 1,512,130; Oct. 21.
 Toy. T. D. Segeberg. 1,512,492; Oct. 21.
 Toy. T. E. Sowers and B. L. Harlacher. 1,512,865; Oct. 21.
 Toy sounding wheel. H. C. Koch. 1,512,107; Oct. 21.
 Toy theatrical device. G. M. Mabry. 1,512,351; Oct. 21.
 Toy, Wheeled. C. H. Pajean. Des. 65,826; Oct. 21.
 Track sprinkler. W. H. Whalen. 1,512,324; Oct. 21.
 Traction pulling and lifting device. F. W. Sutton. 1,512,651; Oct. 21.
 Tractor. L. Radley. 1,512,562; Oct. 21.
 Tractor. R. H. White. 1,512,154; Oct. 21.
 Tractor hitch. M. J. Konetsky. 1,512,611; Oct. 21.
 Tractor steering mechanism. H. R. Traphagen. 1,512,510; Oct. 21.
 Tractor, Tracklaying. R. H. White. 1,512,152; Oct. 21.
 Tractors, Control extension for. L. S. Hackney. 1,512,595; Oct. 21.
 Tractors, Hoisting attachment for. H. A. Clark. 1,512,199; Oct. 21.
 Tractor, Plow attachment for. J. S. Andrews, Jr. 1,512,737; Oct. 21.
 Trailer truck. A. B. Cadman. 1,512,521; Oct. 21.
 Train-control system, Automatic. W. K. Howe. 1,512,288; Oct. 21.
 Train-pipe connectors, Gasket for. N. M. Barker. 1,512,572; Oct. 21.
 Transformer. J. Ledwinka. 1,512,032; Oct. 21.
 Transformers, Overload-indicating apparatus for. D. S. Boyden. 1,512,817; Oct. 21.
 Transmission mechanism. C. S. Evans. Re15,932; Oct. 21.
 Transportation, System of. H. W. Kirchner. 1,512,030; Oct. 21.
 Trap: See—
 Animal trap.
 Traveling kit. J. M. Thomas. 1,512,725; Oct. 21.
 Tray, Cigarette. J. B. Horne. 1,512,765; Oct. 21.
 Tray holder. W. B. Holton. 1,512,539; Oct. 21.
 Tray-loading device. H. D. Madden. 1,512,703; Oct. 21.
 Treadle-controlling mechanism. J. S. Finch. 1,512,587; Oct. 21.
 Tree-cutting machine. A. Knechtel. 1,512,181; Oct. 21.
 Tree stock guard. T. W. McDonald. 1,512,618; Oct. 21.
 Trolley tender. E. A. Larsson. 1,512,471; Oct. 21.
 Truck. C. W. Cade. 1,512,454; Oct. 21.
 Truck, Logging. C. R. Lawler and J. Sannar. 1,512,771; Oct. 21.
 Truck, Railway-car. G. G. Gilpin. 1,512,217; Oct. 21.
 Truck, Six-wheel. W. C. Hedgcock. 1,512,509; Oct. 21.
 Trucks, Swing-hanger link for railway. R. F. Hall. 1,512,463; Oct. 21.
 Trunks and similar devices, Fastener for the covers of. A. L. Sessions. 1,512,142; Oct. 21.
 Tube: See—
 Collapsible tube.
 Tube dust cap, Pneumatic. F. Atkinson and J. Ross. 1,512,662; Oct. 21.
 Turbines, etc., Runner-wheel for. V. Kaplan. 1,512,545; Oct. 21.
 Turbines, Safety device for water. C. Leffer. 1,512,114; Oct. 21.
 Turntable. F. J. Rump. 1,512,640; Oct. 21.
 Typewriting and computing machine, Combined. H. Resch. 1,512,310; Oct. 21.
 Typewriting and computing machine, Combined. O. Thleme. 1,512,508; Oct. 21.
 Typewriting machine. E. B. Hess and L. C. Myers. 1,512,600; Oct. 21.
 Typewriting machines, Word counter for. W. S. Lytle. 1,512,475; Oct. 21.
 Typewriting machines, Word counter for. C. H. Veeder. 1,512,434; Oct. 21.
 Uncoupling-shaft locking device. F. E. Russell and J. J. Jordan. 1,512,184; Oct. 21.
 Undergarment. M. Homing. 1,512,171; Oct. 21.
 Universal joint. A. J. Slonecker. 1,512,246; Oct. 21.
 Universal joints, Combined guide and protector for use in. J. B. Flick. 1,512,840; Oct. 21.
 Universal relieving machine. F. Müller. 1,512,631; Oct. 21.
 Uppers over lasts, Machine for working. W. C. Stewart. 1,512,047; Oct. 21.
 Utility control. J. W. Shaw. 1,512,642; Oct. 21.
 Vacuum and gravity feed, Automatic. C. L. Fetty and A. A. Hosler. 1,512,683; Oct. 21.
 Vacuum-cleaner nozzles and the like, Quick-detachable connection for. A. A. Warner. 1,512,253; Oct. 21.
 Valve. W. W. Roney. 1,512,054; Oct. 21.
 Valve, Automatic expansion. J. L. Shrode. 1,512,243; Oct. 21.
 Valve for automatic train-control apparatus, Ramp. D. J. Bissell, Jr. 1,512,195; Oct. 21.

Valve for pipe lines, Rotary. A. Gagg. 1,512,684; Oct. 21.
 Valve, Gate. P. F. Trowe. 1,512,431; Oct. 21.
 Valve, Internal-combustion-motor. E. W. Wedlick. 1,512,732; Oct. 21.
 Valve, Pressure-equalizing. H. E. Darrow. 1,512,329; Oct. 21.
 Valve, Slip-sleeve. E. M. Harberson. 1,512,333; Oct. 21.
 Valve, Throttle. A. W. Bruce. 1,512,452; Oct. 21.
 Valve, Throttle. L. Sneed. 1,512,496; Oct. 21.
 Vamp-trimming machines, Knife for. J. B. Hadaway. 1,512,021; Oct. 21.
 Vapor extractor. G. A. Bronder. 1,512,743; Oct. 21.
 Vaporizer. K. Rheim. 1,512,860; Oct. 21.
 Vehicle bodies, Frame structure for. A. L. Lambert. 1,512,700; Oct. 21.
 Vehicle drawbar. J. Bages. 1,512,075; Oct. 21.
 Vehicle for service on roads and rails, Power-driven. A. Galbraith. 1,512,755; Oct. 21.
 Vehicle, Motor. H. D. Church. 1,512,084; Oct. 21.
 Vehicle, Rear-dump. A. P. Lee and M. C. Anderson. 1,512,227; Oct. 21.
 Vehicle seats, Backrest for. S. Wilson. 1,512,260; Oct. 21.
 Vehicle signals, Operating means for rear-end. C. F. Marston. 1,512,854; Oct. 21.
 Vehicle spring. F. J. Laher. 1,512,109; Oct. 21.
 Vehicle steering gear. D. W. Jones. 1,512,424; Oct. 21.
 Vehicle suspension spring. W. G. Wilson. 1,512,871; Oct. 21.
 Vehicle ventilator. J. Gabor. 1,512,754; Oct. 21.
 Vehicle wheel. T. F. McCambridge. 1,512,616; Oct. 21.
 Vehicles, Axle for motor. R. J. Burrows. 1,512,401-2; Oct. 21.
 Vehicles, Drive for motor. F. N. Pettigrew. 1,512,634; Oct. 21.
 Vehicles, Rail construction for rear-dump. M. C. Anderson. 1,512,399; Oct. 21.
 Vehicles, Reinforcement for frames of motor. A. H. Lelpert. 1,512,472; Oct. 21.
 Vehicles, Safety device for. A. Balingao. 1,512,189; Oct. 21.
 Vehicles, Speed arrester for. C. Gore. 1,512,167; Oct. 21.
 Vehicles, Truck for railroad. P. C. Withrow. 1,512,437; Oct. 21.
 Velocipedes, Propelling and brake mechanism for. M. E. Roe. 1,512,137; Oct. 21.
 Ventilating means, Pulley. A. Kimble. 1,512,546; Oct. 21.
 Ventilator: See—
 Can ventilator. Vehicle ventilator.
 Ventilator. T. S. Denesha. 1,512,826; Oct. 21.
 Wagon, Tank. A. F. Robinson. 1,512,637-8; Oct. 21.
 Wall construction and building block. A. F. Levitt. 1,512,115; Oct. 21.
 Wardrobe, Portable. J. R. Henderson. 1,512,334; Oct. 21.
 Washer: See—
 Lock washer.

Watchcase. E. Kalweit. 1,512,544; Oct. 21.
 Watchcase, Pendant. A. Cotler. 1,512,880; Oct. 21.
 Water fixtures, Housing for. P. Mueller and A. C. Schuermann. 1,512,630; Oct. 21.
 Water-heating system, Electric. A. H. Carlson. 1,512,405; Oct. 21.
 Water system. C. F. Ketterling and G. A. Buvlinger. 1,512,029; Oct. 21.
 Water-temperature regulator. B. A. Reynolds. 1,512,713; Oct. 21.
 Watering device, Plant. R. A. Gravatt. 1,512,758; Oct. 21.
 Weftless fabric, Process and apparatus for manufacturing. E. Hopkinson. 1,512,096; Oct. 21.
 Welding apparatus and operating the same, Electric-arc. H. D. Morton. 1,512,788-9; Oct. 21.
 Welds, Effecting continuous electric-arc. H. D. Morton. 1,512,787; Oct. 21.
 Well rods, Coupling for. W. D. Giles. 1,512,531; Oct. 21.
 Wheel: See—
 Automobile disk wheel. Steering wheel.
 Cast-metal wheel. Toy sounding wheel.
 Gear wheel. Vehicle wheel.
 Resilient wheel.
 Wheel rim, Demountable. F. J. Spittler. 1,512,811; Oct. 21.
 Winding and dyeing mechanism. B. Gordon, Jr., and R. McCarty. 1,512,166; Oct. 21.
 Winding machine. E. N. Lightfoot. 1,512,116; Oct. 21.
 Windmill-oiling system. F. Ritz. 1,512,239; Oct. 21.
 Windshield clearer. S. C. Wolfe. 1,512,074; Oct. 21.
 Window, Double-hung. S. U. Barr. 1,512,741; Oct. 21.
 Window, Metal. J. Wasserberger. 1,512,150; Oct. 21.
 Window sash. H. Ferguson. 1,512,682; Oct. 21.
 Windows, doors and the like, Metal rail for. W. P. Lawrence. 1,512,112; Oct. 21.
 Windows, Platform attachment for. A. Nelson. 1,512,792; Oct. 21.
 Wire-attaching machine. R. J. McClenny. 1,512,780; Oct. 21.
 Wireless telegraph and telephone receiver. H. J. J. M. de R. de Bellecize. 1,512,824; Oct. 21.
 Wood-preserving emulsion. J. Foley. 1,512,414; Oct. 21.
 Wrapping machine. J. C. Shultz. 1,512,494; Oct. 21.
 Wrapping machine. R. A. Simpson. 1,512,495; Oct. 21.
 Wrench: See—
 Jaw wrench. Strap wrench.
 Monkey wrench. Tap wrench.
 Wrench. F. O. Gumprecht. 1,512,846; Oct. 21.
 Wrench. W. C. Kliner. 1,512,180; Oct. 21.
 Wrench. G. C. Phleger. 1,512,363; Oct. 21.
 Wrench. W. Tabert. 1,512,723; Oct. 21.
 Wringer: See—
 Clothes wringer.
 Wringer. A. O. Hubbard. 1,512,691; Oct. 21.
 Writing and drawing device. H. Deutsch. 1,512,827; Oct. 21.
 Zinc oxide, Manufacture of. G. S. Brooks. 1,512,873; Oct. 21.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 21, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 46: 1,512,134	28— 41: 1,512,704	49— 55: 1,512,566	77— 28: 1,512,231	103— 25: 1,512,029	128— 192: 1,512,338
2— 26: 1,512,309	29— 27: 1,512,520	78 1: 1,512,511	78: 1,512,339	92: 1,512,375	218: 1,512,294
30: 1,512,417	85: 1,512,422	81: 1,512,013	1: 1,512,586	155: 1,512,500	256: 1,512,274
78: 1,512,171	87 1: 1,512,678	10: 1,512,243	60: 1,512,095	218: 1,512,016	291: 1,512,143
112: 1,512,864	95: 1,512,543	51— 7: 1,512,350	81— 3: 1,512,818	104— 38: 1,512,640	317: 1,512,781
179: 1,512,465	103: 1,512,657	74: 1,512,889	65: 1,512,014	267: 1,512,077	290: 1,512,290
185: 1,512,365	1,512,798	82: 1,512,688	128: 1,512,723	39: 1,512,473	17: 1,512,323
195: 1,512,128	149 5: 1,512,190	153: 1,512,058	154: 1,512,363	79: 1,512,576	30: 1,512,724
197: 1,512,316	174: 1,512,568	273: 1,512,547	165: 1,512,180	80: 1,512,449	32: 1,512,438
198: 1,512,866	3: 1,512,214	1,512,548	1,512,559	82: 1,512,709	131— 5: 1,512,636
240: 1,512,876	9: 1,512,622	52— 11: 1,512,354	1,512,846	121: 1,512,852	12: 1,512,670
8: 1,512,563	10: 1,512,689	54— 53: 1,512,497	170: 1,512,097	189: 1,512,755	51: 1,512,765
150: 1,512,193	12: 1,512,267	56— 7: 1,512,439	82— 19: 1,512,631	165: 1,512,340	1,512,836
177: 1,512,522	17: 1,512,175	157: 1,512,567	41: 1,512,155	189: 1,512,437	52: 1,512,241
185: 1,512,068	1: 1,512,126	318: 1,512,303	83— 11: 1,512,516	195: 1,512,463	19: 1,512,857
236: 1,512,098	6: 1,512,086	340: 1,512,680	12: 1,512,635	197: 1,512,217	37: 1,512,620
11: 1,512,961	33— 1: 1,512,856	399: 1,512,750	26: 1,512,421	236: 1,512,440	41: 1,512,397
16: 1,512,537	23: 1,512,015	418: 1,512,768	45: 1,512,536	366: 1,512,030	43: 1,512,490
19: 1,512,166	120: 1,512,728	423: 1,512,388	53: 1,512,236	410: 1,512,234	49: 1,512,272
149: 1,512,183	147: 1,512,626	88: 1,512,544	54: 1,512,087	457: 1,512,774	73: 1,512,364
162: 1,512,430	153: 1,512,690	1,512,880	67: 1,512,204	1,512,775	75: 1,512,799
47: 1,512,047	165: 1,512,823	60— 18: 1,512,318	71: 1,512,344	106— 10: 1,512,299	92: 1,512,633
1,512,882	1,512,827	62— 110: 1,512,793	1,512,870	23: 1,512,024	133— 5: 1,512,470
1,512,883	16: 1,512,745	118: 1,512,623	85: 1,512,139	31: 1,512,659	134— 21: 1,512,212
1,512,884	1: 1,512,450	178: 1,512,133	88: 1,512,701	108— 5 4: 1,512,436	78 6: 1,512,414
1,512,885	19: 1,512,041	24: 1,512,814	92: 1,512,240	8: 1,512,248	79: 1,512,751
1,512,886	21: 1,512,238	39: 1,512,020	1,512,447	1,512,400	20: 1,512,159
1,512,887	22: 1,512,668	43: 1,512,546	84— 25: 1,512,666	110— 44: 1,512,812	21: 1,512,064
69 3: 1,512,011	35: 1,512,858	49: 1,512,807	272: 1,512,766	111: 1,512,392	1,512,748
83 5: 1,512,021	60: 1,512,727	55: 1,512,838	339: 1,512,088	75: 1,512,762	71: 1,512,736
142: 1,512,012	71: 1,512,033	102: 1,512,246	394: 1,512,023	90: 1,512,868	75: 1,512,802
33: 1,512,396	1,512,218	108: 1,512,840	459: 1,512,699	158: 1,512,738	101: 1,512,208
14— 01: 1,512,110	1,512,302	65— 31: 1,512,556	521: 1,512,708	212: 1,512,582	102: 1,512,076
15— 104: 1,512,110	1,512,715	66— 12: 1,512,891	82: 1,512,896	82: 1,512,459	104: 1,512,329
128: 1,512,740	10: 1,512,345	30: 1,512,048	49: 1,512,040	18: 1,512,391	111: 1,512,630
137: 1,512,292	126: 1,512,614	55: 1,512,839	16: 1,512,211	48: 1,512,848	139: 1,512,804
210: 1,512,174	87: 1,512,089	10: 1,512,663	88— 2 2: 1,512,601	114: 1,512,817	1,512,805
255: 1,512,074	40— 2: 1,512,090	32: 1,512,691	17: 1,512,477	34: 1,512,116	153: 1,512,022
264: 1,512,744	1,512,604	1,512,692	19: 1,512,138	67: 1,512,220	1,512,408
29: 1,512,353	1,512,696	70— 16: 1,512,368	24: 1,512,148	67: 1,512,254	160: 1,512,210
97: 1,512,552	13: 1,512,453	74: 1,512,141	41: 1,512,661	12: 1,512,215	1,512,659
116: 1,512,197	16: 1,512,332	108: 1,512,589	80— 37: 1,512,435	27: 1,512,610	138— 9: 1,512,837
135: R. 15,934	1,512,395	1,512,590	41: 1,512,103	61: 1,512,617	139— 9: 1,512,057
1: 1,512,229	28: 1,512,161	72— 39: 1,512,115	91— 14: 1,512,481	82: 1,512,756	171: 1,512,343
1,512,230	53: 1,512,073	110: 1,512,763	68: 1,512,729	98: 1,512,753	154: 1,512,118
2: 1,512,813	125: 1,512,335	73— 51: 1,512,063	70 2: 1,512,371	157: 1,512,530	213: 1,512,379
53: 1,512,094	129: 1,512,330	82: 1,512,752	1: 1,512,376	18: 1,512,779	5: 1,512,381
57: 1,512,200	133: 1,512,082	1: 1,512,125	2: 1,512,495	30: 1,512,892	19: 1,512,425
59: 1,512,162	38: 1,512,612	7: 1,512,478	22: 1,512,125	108: 1,512,205	133: 1,512,625
105: 1,512,267	49: 1,512,656	14: 1,512,056	31: 1,512,828	124: 1,512,317	144— 34: 1,512,181
79: 1,512,692	73: 1,512,513	75: 1,512,641	5: 1,512,681	137: 1,512,646	145— 35: 1,512,080
1,512,593	75: 1,512,641	1,512,448	40: 1,512,664	18: 1,512,480	52: 1,512,706
36: 1,512,721	140: 1,512,643	1,512,726	57: 1,512,514	379: 1,512,360	70: 1,512,498
112: 1,512,018	144: 1,512,822	16: 1,512,587	64: 1,512,785	25: 1,512,242	71: 1,512,176
203: 1,512,286	1: 1,512,427	17: 1,512,328	12: 1,512,146	52: 1,512,311	7: 1,512,790
1: 1,512,226	1,512,499	28: 1,512,560	19: 1,512,605	53: 1,512,404	28: 1,512,410
1,512,733	1,512,863	32: 1,512,069	40: 1,512,596	59: 1,512,525	78: 1,512,377
3: 1,512,893	17: 1,512,049	33: 1,512,072	47: 1,512,535	1,512,710	169: 1,512,055
10: 1,512,225	32: 1,512,130	1,512,192	1,512,737	61: 1,512,649	1,512,644
1,512,320	60: 1,512,423	1,512,747	1,512,821	68: 1,512,673	104: 1,512,561
13: 1,512,419	60: 1,512,291	1,512,847	58: 1,512,821	75: 1,512,674	147— 1: 1,512,780
1,512,420	118: 1,512,334	34: 1,512,878	224: 1,512,257	122: 1,512,119	11: 1,512,191
1,512,432	9: 1,512,554	38: 1,512,479	1,512,258	140: 1,512,052	148— 8: 1,512,894
1,512,734	38: 1,512,107	54: 1,512,483	26: 1,512,052	140: 1,512,102	150— 8: 1,512,019
28: 1,512,897	40: 1,512,283	1,512,650	27: 1,512,754	109: 1,512,168	151— 15: 1,512,832
147: 1,512,873	1,512,351	78: 1,512,222	31: 1,512,826	1,512,319	21: 1,512,653
31: 1,512,370	1,512,865	79: 1,512,424	2: 1,512,603	1,512,564	53: 1,512,551
90: 1,512,565	50: 1,512,327	81: 1,512,829	5: 1,512,731	179: 1,512,879	8: 1,512,164
101: 1,512,641	61: 1,512,442	84: 1,512,093	6: 1,512,297	188: 1,512,732	12: 1,512,044
102: 1,512,877	1,512,722	89: 1,512,114	11: 1,512,591	187 5: 1,512,386	1,512,645
138: 1,512,445	1,512,739	95: 1,512,573	8: 1,512,279	11: 1,512,608	14: 1,512,269
180: 1,512,407	63: 1,512,147	99: R. 15,932	20: 1,512,532	41: 1,512,355	1,512,325
188: 1,512,087	66: 1,512,314	1,512,401	30: 1,512,533	34: 1,512,761	1,512,518
241: 1,512,833	69: 1,512,367	1,512,402	101— 3: 1,512,476	41: 1,512,122	1,512,529
248: 1,512,671	24: 1,512,618	108: 1,512,570	28: 1,512,835	1,512,493	24: 1,512,081
253: 1,512,839	49: 1,512,758	1,512,718	66: 1,512,357	77: 1,512,275	27: 1,512,278
266: 1,512,875	94: 1,512,487	1,512,806	201: 1,512,065	92: 1,512,800	29: 1,512,820
41: 1,512,526	107: 1,512,304	1,512,393	282: 1,512,647	116: 1,512,173	153— 9: 1,512,394
1,512,660	180: 1,512,474	1,512,746	335: 1,512,300	275: 1,512,178	154— 1: 1,512,095
127: 1,512,198	5: 1,512,372	75— 1: 1,512,277	350: 1,512,342	1,512,179	1,512,096
157: 1,512,177	53: 1,512,373	17: 1,512,262	402: 1,512,172	286: 1,512,091	10: 1,512,108
1,512,801	1,512,374	1,512,462	6: 1,512,714	343 5: 1,512,389	155— 161: 1,512,834
1,512,286	1,512,383	1,512,585	102— 6: 1,512,026	28: 1,512,026	179: 1,512,260
1,512,287	1,512,412	25: 1,512,081	39: R. 15,933	89: 1,512,558	191: 1,512,326
			1,512,249	188: 1,512,486	14: 1,512,187

156—	14: 1,512,252	180—	22: 1,512,634	200—	35: 1,512,639	221—	61: 1,512,540	245—	1.5: 1,512,795	280—	33.5: 1,512,521
	1,512,853		31: 1,512,232		50: 1,512,182		67: 1,512,637		34: 1,512,796		33.12: 1,512,611
158—	28: 1,512,206		45: 1,512,562		59: 1,512,854		1,512,638	246—	63: 1,512,288		33.55: 1,512,075
	46.5: 1,512,384		53: 1,512,199		67: 1,512,716		78: 1,512,000		130: 1,512,441		44: 1,512,281
	53: 1,512,460		54: 1,512,154		72: 1,512,717		131: 1,512,256		158: 1,512,127		50: 1,512,160
	74: 1,512,132		73: 1,512,064		106: 1,512,064		142: 1,512,615		190: 1,512,194		54: 1,512,454
	77: 1,512,247		77: 1,512,595		137: 1,512,106	224—	29: 1,512,553		276: 1,512,276	281—	104: 1,512,571
	78: 1,512,284	181—	32: 1,512,850		150: 1,512,063	225—	21: 1,512,341		293: 1,512,195		179: 1,512,771
	80: 1,512,131	183—	2.7: 1,512,079		159: 1,512,735	226—	92: 1,512,843		293: 1,512,560		29: 1,512,488
	87: 1,512,061		34: 1,512,358		161: 1,512,109		2: 1,512,708		457: 1,512,280	283—	34: 1,512,598
	91: 1,512,270		115: 1,512,268		170: 1,512,235	229—	97: 1,512,764		487: 1,512,749		48: 1,512,784
	1,512,869	184—	4: 1,512,239		170: 1,512,235		23: 1,512,157	247—	6: 1,512,099		57: 1,512,685
159—	99: 1,512,579		7: 1,512,216	202—	8: 1,512,577		52: 1,512,053	248—	29: 1,512,581	285—	20: 1,512,219
	4: 1,512,778		13: 1,512,676		14: 1,512,743	230—	54: 1,512,228		37: 1,512,831		24: 1,512,572
	37: 1,512,505	185—	45: 1,512,136	204—	6: 1,512,825		13: 1,512,156		38: 1,512,416		31: 1,512,672
162—	48: 1,512,461	186—	20: 1,512,186		25: 1,512,557	232—	7: 1,512,515	250—	20: 1,512,824		86: 1,512,298
164—	4: 1,512,097		1,512,250		29: 1,512,485		19: 1,512,307		41: 1,512,396		161: 1,512,253
	48: 1,512,655	187—	11: 1,512,390		32: 1,512,285	233—	35: 1,512,337	251—	8: 1,512,333		172: 1,512,896
	49: 1,512,202	188—	28: 1,512,468	206—	2: 1,512,313		6: 1,512,305		70: 1,512,431	286—	8: 1,512,261
	54: 1,512,050		91: 1,512,810		15.6: 1,512,352	235—	59: 1,512,282		102: 1,512,684	290—	35: 1,512,135
	76: 1,512,123		181: 1,512,167		16: 1,512,378		1,512,508		116: 1,512,017	292—	150: 1,512,632
166—	9: 1,512,066		257: 1,512,862		22: 1,512,464		60: 1,512,310		125: 1,512,306		207: 1,512,682
	10: 1,512,301		259: 1,512,356		41: 1,512,098		1,512,506		145: 1,512,683		228: 1,512,245
	13: 1,512,621		1,512,451		1,512,507		95: 1,512,144		150: 1,512,702	247: 1,512,142	
	14: 1,512,619	189—	34: 1,512,569		1,512,100		97: 1,512,035		159: 1,512,496	279: 1,512,855	
167—	6: 1,512,104		46: 1,512,233	208—	15: 1,512,145		1,512,036	252—	1: 1,512,783	293—	16: 1,512,189
169—	42: 1,512,117		60: 1,512,092	210—	152: 1,512,028		102: 1,512,434	253—	141: 1,512,545		55: 1,512,027
170—	159: 1,512,273		73: 1,512,150		202: 1,512,321		1,512,475	254—	15: 1,512,356		1,512,770
171—	97: 1,512,185		1,512,741	211—	14: 1,512,604		144: 1,512,578		95: 1,512,224		1,512,797
	1,512,255		75: 1,512,112		1,512,867	236—	12: 1,512,713		100: 1,512,624	294—	24: 1,512,315
	206: 1,512,693		78: 1,512,415		31: 1,512,129		15: 1,512,121		114: 1,512,842		49: 1,512,720
	313: 1,512,105	190—	11: 1,512,782		32: 1,512,849		26: 1,512,642		166: 1,512,651		78: 1,512,149
	321: 1,512,221		12: 1,512,725	213—	166: 1,512,196	237—	4: 1,512,524		194: 1,512,069		86: 1,512,380
172—	120: 1,512,534		17: 1,512,550		169: 1,512,184	238—	44: 1,512,237	255—	1: 1,512,140		90: 1,512,411
	240: 1,512,574		41: 1,512,772	214—	35: 1,512,223		169: 1,512,613		18: 1,512,531	295—	6: 1,512,433
	1,512,575		48: 1,512,549		63: 1,512,059		295: 1,512,265		72: 1,512,841	296—	29: 1,512,113
	279: 1,512,860	191—	39: 1,512,457		86: 1,512,429		298: 1,512,086		76: 1,512,658		30: 1,512,700
173—	330: 1,512,208		95: 1,512,471	215—	38: 1,512,346		311: 1,512,458	257—	36: 1,512,602		47: 1,512,759
	1,512,815	192—	4: 1,512,137		1,512,348	240—	6: 1,512,528	259—	39: 1,512,519	137: 1,512,012	
	1,512,816		45: 1,512,675		1,512,349		7: 1,512,778		105: 1,512,665	298—	10: 1,512,227
	354: 1,512,594		56: 1,512,760		40: 1,512,347		8.4: 1,512,705		128: 1,512,669		1,512,399
174—	87: 1,512,067		58: 1,512,538		51: 1,512,067		8.5: 1,512,467		144: 1,512,406	299—	12: 1,512,629
175—	30: 1,512,387		124: 1,512,426	216—	59: 1,512,494		9: 1,512,468	263—	19: 1,512,583		13: 1,512,628
	183: 1,512,062		144: 1,512,046	218—	15.1: 1,512,045		11: 1,512,888		28: 1,512,607		15: 1,512,627
	1,512,707	193—	2: 1,512,809	219—	8: 1,512,786		41: 1,512,259	265—	16: 1,512,491		31: 1,512,324
	294: 1,512,251		10: 1,512,501		1,512,787		44: 1,512,158		27: 1,512,170		96: 1,512,767
	1,512,443		27: 1,512,654		1,512,788		61: 1,512,504	267—	37: 1,512,151		98: 1,512,830
	1,512,444	196—	25: 1,512,263		1,512,789		85: 1,512,742		17: 1,512,512	300—	3: 1,512,586
	356: 1,512,032		122: 1,512,264		19: 1,512,674		1,512,037		28: 1,512,455	301—	17: 1,512,845
177—	329: 1,512,071		1,512,484		25: 1,512,209		150: 1,512,757		47: 1,512,109		28: 1,512,616
	351: 1,512,385	197—	88: 1,512,600		28: 1,512,359		85: 1,512,038	268—	2: 1,512,791		35: 1,512,811
	385: 1,512,061		112: 1,512,025		34: 1,512,289		150: 1,512,757		2: 1,512,312		68: 1,512,418
178—	53: 1,512,361		127: 1,512,309		38: 1,512,517	241—	91: 1,512,201	271—	44: 1,512,571		1,512,711
	71: 1,512,070		143: 1,512,308		39: 1,512,405	242—	22: 1,512,712		61: 1,512,648	302—	37: 1,512,322
179—	1: 1,512,293	198—	10: 1,512,844		43: 1,512,482		75: 1,512,446		1,512,679		1: 1,512,456
	16: 1,512,584		20: 1,512,331		63: 1,512,366	244—	100: 1,512,188	274—	35: 1,512,851	304—	27: 1,512,792
	18: 1,512,101		22: 1,512,652	220—	40: 1,512,045		11: 1,512,773	277—	27: 1,512,806	305—	9: 1,512,152
	32: 1,512,719		41: 1,512,413		44: 1,512,523		21: 1,512,492		37: 1,512,452		
180—	14: 1,512,803		47: 1,512,382		56: 1,512,065		29: 1,512,428		71: 1,512,597		
	17: 1,512,153	199—	213: 1,512,872		96: 1,512,163		31: 1,512,111	279—	117: 1,512,078		
	1,512,510		38: 1,512,542	221—	60: 1,512,503	245—	1.5: 1,512,794	280—	10: 1,512,472		

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Abraham & Straus, Inc., New York, N. Y. Children's automobiles and bicycles. 190,989; Oct. 28; Serial No. 198,492; published Aug. 19, 1924.
- Acme Specialty Mfg. Co., The, Toledo, Ohio. Automobile mirrors. 190,885; Oct. 28; Serial No. 197,125; published Aug. 12, 1924.
- Addressograph Company, Chicago, Ill. Machines for printing addresses and other matter. 191,069; Oct. 28.
- Adler, Jacob, Brooklyn, N. Y., assignor to Adler Chemical Co., Portland, Oreg. Wood fillers. 190,827; Oct. 28; Serial No. 190,665; published Aug. 19, 1924.
- Ahrens, Frances S., doing business as Rosemonts Products Co., Bethlehem, Pa. Salad dressing. 190,949; Oct. 28; Serial No. 198,276; published Aug. 19, 1924.
- Aktiebolaget Sveriges Föremåde Konserverfabriker, Gottenburg, Sweden. Canned lobster and anchovies. 191,086; Oct. 28.
- Alcora Chemical Company, New York, N. Y. Protective composition for metallic surfaces. 190,814; Oct. 28; Serial No. 193,872; published June 3, 1924.
- American Gauze & Cotton Company, Cape Girardeau, Mo. Absorbent cotton, cotton gauze and bandages, and plasters. 190,941; Oct. 28; Serial No. 198,104; published Aug. 19, 1924.
- American Gauze and Cotton Company, Cape Girardeau, Mo. Absorbent cotton, cotton gauze and bandages, and plasters. 190,960; Oct. 28; Serial No. 197,793; published Aug. 19, 1924.
- American Girl Coat Co., Inc., New York, N. Y. Coats for little women. 191,107; Oct. 28.
- American Paint and Varnish Remover Company, New York, N. Y. Paint and varnish removers. 190,852; Oct. 28; Serial No. 198,438; published May 20, 1924.
- Anciens Etablissements Georges Guy, Paris, France. Kid and hides. 190,971; Oct. 28; Serial No. 197,646; published Aug. 19, 1924.
- Art Craft Fixture Co., Newark, N. J. Toys—namely, horses, wagons, dump carts, bells, wheelbarrows. 190,918; Oct. 28; Serial No. 198,856; published Aug. 19, 1924.
- Art Metal Products Company, Chicago, Ill. Radiator covers. 190,889; Oct. 28; Serial No. 197,241; published Aug. 19, 1924.
- Barton, Charles, doing business as National Plating Works, Jacksonville, Fla. Automobile accessories. 190,819; Oct. 28; Serial No. 192,750; published Aug. 19, 1924.
- Baulig, Theodore F., Egg Harbor City, N. J. Pyjamas, union suits, shirts, etc. 191,010; Oct. 28; Serial No. 196,726; published Aug. 19, 1924.
- Baummann, Edward F., Cromwell, Conn. Flowering plants—to wit, pansies. 190,861; Oct. 28; Serial No. 170,117; published Aug. 19, 1924.
- Benjamin Electric Manufacturing Company, Chicago, Ill. Enameled stamped metal table tops and kitchen shelves. 190,857; Oct. 28; Serial No. 166,031; published Aug. 19, 1924.
- Berger, Harry, doing business as The Harry Berger Shirt Company, New York, N. Y. Shirts. 191,070; Oct. 28.
- Berkley Knitting Company, Philadelphia, Pa. Neckties and cravats. 191,019; Oct. 28; Serial No. 187,845; published Aug. 5, 1924.
- Berry Brothers, Inc., Detroit, Mich. Varnish. 190,877; Oct. 28; Serial No. 196,569; published June 10, 1924.
- Biltmore Industries. (See Grove Park Inn, Inc.)
- Binney & Smith Company, New York, N. Y. Black pigments for paints and varnishes. 190,887; Oct. 28; Serial No. 197,184; published Aug. 19, 1924.
- Black Diamond Chain Co. (See Cole, Chester D., & Winslow J. Burtt.)
- Blake, Moffit & Towne, San Francisco, Calif. Building paper. 190,973; Oct. 28; Serial No. 197,529; published Aug. 19, 1924.
- Blanchette & Gazzara Corp., Chicago, Ill. Canned meats, relishes, spices, butter, etc. 190,850; Oct. 28; Serial No. 193,568; published Aug. 19, 1924.
- Blekre Tire & Rubber Company, St. Paul, Minn. Automobile tires and tubes of rubber. 191,064; Oct. 28.
- Blood, W. D., & Company, Inc., New York, N. Y. Automobile radiators. 190,828; Oct. 28; Serial No. 189,702; published Aug. 12, 1924.
- Botfield, Leonard B., doing business as Botfield Refractories Company, Philadelphia, Pa. Refractory bricks and high-temperature cement. 190,868; Oct. 28; Serial No. 179,653; published Aug. 12, 1924.
- Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 191,080; Oct. 28.
- Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 191,091-8; Oct. 28.
- Brookpark Coat & Supply Company, The, Cleveland, Ohio. Coal. 190,998; Oct. 28; Serial No. 198,840; published Aug. 19, 1924.
- Bryant, Edward, Company, Boston, Mass. Lime. 190,883; Oct. 28; Serial No. 185,953; published Aug. 19, 1924.
- Bunagardner, Dayton, Chicago, Ill. Attachments for dentures. 190,988; Oct. 28; Serial No. 198,452; published Aug. 19, 1924.
- Bunte Brothers, doing business as Bunte's, Chicago, Ill. Candy. 190,901; Oct. 28; Serial No. 199,038; published Aug. 12, 1924.
- Bureau, Louis J., doing business as Reliable Products Laboratory, Detroit, Mich. Healing ointment. 191,058; Oct. 28.
- Burpee, W. Atlee, Company, Philadelphia, Pa. Flower bulbs. 190,880; Oct. 28; Serial No. 196,727; published Aug. 19, 1924.
- C. M. S. Inc., Tarrytown, N. Y. Conveyers, paint and enamel application machines. 190,875; Oct. 28; Serial No. 197,468; published Aug. 19, 1924.
- Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 190,940; Oct. 28; Serial No. 198,054; published Aug. 19, 1924.
- Cain Oil Company, San Antonio, Tex. Lubricating oils and greases. 190,838; Oct. 28; Serial No. 194,525; published Aug. 19, 1924.
- California Almond Confections Company. (See Prentiss, William, Jr.)
- Cambridge Tailoring Co. (See White, George A.)
- Canada Dry Ginger Ale, Incorporated, New York, N. Y. Ginger ale. 191,102-3; Oct. 28.
- Carbon Fuel Company, The, Cincinnati, Ohio. Coal. 191,081; Oct. 28.
- Carr Fastener Company, Cambridge, Mass. Lubricants. 190,901; Oct. 28; Serial No. 199,107; published Aug. 19, 1924.
- Carrier Construction Company, Inc., Newark, N. J. Tubular radiators or heaters. 190,985; Oct. 28; Serial No. 198,398; published Aug. 12, 1924.
- Carrier Engineering Corporation, Newark, N. J. Air-conditioning, drying, and ventilating equipment. 190,999; Oct. 28; Serial No. 198,842; published Aug. 12, 1924.
- Cavendish Company, Boston, Mass. Rubber nipples. 191,110; Oct. 28.
- Central Glass Company, Louisville, Ky.; Huntington, W. Va.; Chattanooga, Tenn.; Evansville, Ind.; and Bristol, Va. Varnish stains, paint enamels, etc. 190,837; Oct. 28; Serial No. 194,590; published July 1, 1924.
- Central Paint & Varnish Mfg. Co., Kansas City, Mo. Paste paint. 190,930; Oct. 28; Serial No. 195,095; published May 20, 1924.
- Chambers Manufacturing Company, Shelbyville, Ind. Fireless-cooker attachment for cooking ranges. 190,815; Oct. 28; Serial No. 193,271; published Aug. 12, 1924.
- Clinchfield Coal Corporation, Dante, Va. Coal. 190,883; Oct. 28; Serial No. 197,016; published Aug. 12, 1924.
- Cohn Hall Marx Co., New York, N. Y. Cotton voile. 191,062; Oct. 28.
- Cole, Chester D., & Winslow J. Burtt, doing business as Black Diamond Chain Co., Bradford, Mass. Antiskid chains and hooks for the same. 191,022; Oct. 28; Serial No. 163,970; published Aug. 19, 1924.
- Consumers Malted Milk Co., Inc., Brooklyn, N. Y. Powder for making chocolate malted-milk beverages. 191,044; Oct. 28; Serial No. 194,977; published Aug. 12, 1924.
- Consumers Oil Company, The, Dayton, Ohio. Gasoline, kerosene, etc. 190,991; Oct. 28; Serial No. 198,621; published Aug. 19, 1924.
- Cotte, Ernst, doing business as Oskar Sörgel, Leipzig, Germany. Flycatchers. 190,854; Oct. 28; Serial No. 162,213; published Aug. 12, 1924.
- Cox Brass Manufacturing Company, Albany, N. Y., assignor, by means assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio. Bumpers and bumper brackets and attachment parts. 190,855; Oct. 28; Serial No. 162,804; published Apr. 17, 1923.
- Crawford-Austin Manufacturing Co., Waco, Tex. Tents and tarpaulins. 190,942; Oct. 28; Serial No. 198,125; published Aug. 12, 1924.
- Crescent Bandeau Incorporated, New York, N. Y. Hat pads. 191,043; Oct. 28; Serial No. 195,052; published Aug. 12, 1924.
- Davenport, A. Shelton, Danbury, Conn. Hats. 191,009; Oct. 28; Serial No. 196,886; published Aug. 12, 1924.
- Deakides, Nicholas, Athens, Ga. Furniture polish. 190,848; Oct. 28; Serial No. 193,662; published June 17, 1924.
- Detroit Graphite Company, Detroit, Mich. Paint for protective, etc., purposes for use on brick, etc. 190,917; Oct. 28; Serial No. 195,875; published June 10, 1924.
- Devoe & Reynolds Co., Inc., New York, N. Y. Paint and varnish. 190,962; Oct. 28; Serial No. 197,723; published Aug. 19, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Devoe & Reynolds Co., Inc., New York, N. Y. Ready-mixed paint. 190,963; Oct. 28; Serial No. 197,722; published Aug. 19, 1924.

Devoe & Reynolds Co., Inc., New York, N. Y. Paint and varnish. 190,964; Oct. 28; Serial No. 197,719; published Aug. 19, 1924.

Devoe & Reynolds Co., Inc., New York, N. Y. Varnishes. 190,965; Oct. 28; Serial No. 197,714; published Aug. 19, 1924.

Devoe & Reynolds Co., Inc., New York, N. Y. Ready-mixed paint. 190,966; Oct. 28; Serial No. 197,713; published Aug. 19, 1924.

Devoe & Reynolds Co., Inc., New York, N. Y. Varnish. 190,967; Oct. 28; Serial No. 197,707; published Aug. 19, 1924.

Diamond Slate Fibre Company, Elsmere, Del., and Bridgeport, Pa. Slate substitutes. 190,986; Oct. 28; Serial No. 198,402; published Aug. 12, 1924.

Ditzler Color Company, Detroit, Mich. Finish for metal, wood, etc. 190,845; Oct. 28; Serial No. 194,261; published June 17, 1924.

Dorr Company, The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. 191,108; Oct. 28.

Downward, Thomas H., doing business as Elastic Compound Paint Company, Philadelphia, Pa. Filling and priming compounds. 190,927; Oct. 28; Serial No. 195,223; published Aug. 19, 1924.

Duquesne Paint Company, Pittsburgh, Pa. Varnish stains and ready-mixed paints. 191,106; Oct. 28.

Dutch Pretzel Co., Inc., Thompsonville, Conn. Pretzels, crackers, and cakes. 191,075; Oct. 28.

Eaton Axle and Spring Company, The. (See Cox Brass Manufacturing Company, assignor.)

Economy Cover Company, Inc., Marlin, Tex. Automobile seat covers. 190,929; Oct. 28; Serial No. 195,160; published Aug. 12, 1924.

Ehrman Bros. Horn & Company, San Francisco, Calif. 190,974-5; Oct. 28; Serial Nos. 199,534-5; published Aug. 19, 1924.

Ehrman Bros. Horn & Company, San Francisco, Calif. Cigars. 190,976; Oct. 28; Serial No. 199,532; published Aug. 19, 1924.

Ehrman Bros. Horn & Company, San Francisco, Calif. Cigars. 191,090; Oct. 28.

Elastic Compound Paint Company. (See Downward, Thomas H.)

Emmons, Harry H., doing business as Emmons Manufacturing Co., Canton, Ohio. Water and liquid-soap dispensers. 191,099; Oct. 28.

Euro Shirt Co., Inc., The, Louisville, Ky. Dress shirts. 191,036; Oct. 28; Serial No. 198,000; published Aug. 12, 1924.

Etablissements François, Société Anonyme, Bressoux, near Liège, Belgium. Compressed-air engines. 190,895; Oct. 28; Serial No. 199,221; published Aug. 19, 1924.

Evans, Frederick E., New York, N. Y. Natural flowers. 191,087; Oct. 28.

Fancy Products Packing Co. (See Standard Olive Oil Company.)

Federal Underwear Co., New York, N. Y. Infants' coats. 191,020; Oct. 28; Serial No. 171,534; published Aug. 5, 1924.

Fel-Oyle Company, The, Findlay, Ohio. Gasoline. 190,898; Oct. 28; Serial No. 199,279; published Aug. 19, 1924.

Filbert, Calvert B., New Orleans, La. Composition for road and pavement construction and for waterproofing of same. 190,992; Oct. 28; Serial No. 198,632; published Aug. 19, 1924.

Franco Corset Co., Inc., New York, N. Y. Corsets and girdles. 191,028; Oct. 28; Serial No. 197,661; published Aug. 5, 1924.

Franklin Railway Supply Company, New York, N. Y. Power reverse gears. 191,057; Oct. 28.

Fruitland Fruit Association, The, Fruitland, Idaho. Fresh apples and prunes. 190,884; Oct. 28; Serial No. 197,069; published Aug. 19, 1924.

Goldsmith Metal Lath Company, The, Cincinnati, Ohio. Metal lath. 190,832; Oct. 28; Serial No. 186,991; published Aug. 19, 1924.

Gorayeb, S. S., & Bros., New York, N. Y. Window screens. 190,943; Oct. 28; Serial No. 198,132; published Aug. 19, 1924.

Graham Paper Company, St. Louis, Mo. Carpet felt. 190,955; Oct. 28; Serial No. 197,877; published Aug. 19, 1924.

Graton & Knight Manufacturing Company, The, Worcester, Mass. Cut lace leather and lace leather in sides. 190,878; Oct. 28; Serial No. 196,658; published Aug. 12, 1924.

Greaney, Thomas E., doing business as Standard Neckwear Company, Boston, Mass. Neckties. 191,016; Oct. 28; Serial No. 195,883; published Aug. 19, 1924.

Griewald Safety Signal Co., Minneapolis, Minn. Self-actuating traffic semaphores. 190,923; Oct. 28; Serial No. 195,636; published Aug. 12, 1924.

Grove Park Inn, Inc., doing business as Blitmore Industries, Asheville, N. C. Woolen homespun textile fabrics in the piece. 191,063; Oct. 28.

Grubenholz-Imprägnierung G. m. b. H., Charlottenburg, Germany. Pitch and tar. 190,981; Oct. 28; Serial No. 199,476; published Aug. 19, 1924.

Grubenholz-Imprägnierung G. m. b. H., Charlottenburg, Germany. Pitch and tar. 190,982-3; Oct. 28; Serial Nos. 199,473-4; published Aug. 19, 1924.

Guterman Bros., Inc., New York, N. Y. Mufflers. 191,030; Oct. 28; Serial No. 198,181; published Aug. 5, 1924.

Gunze Seishu Kabushiki Kwai, Ayabe-Machi, Japan. Raw silk. 191,021; Oct. 28; Serial No. 198,036; published Aug. 5, 1924.

Haklisch, Frank, doing business as Refecto Wash & Polish Co., New York, N. Y. Wash and polish for automobiles, etc. 190,928; Oct. 28; Serial No. 195,170; published Aug. 19, 1924.

Halek Brothers, Cleveland, Ohio. Overcoats. 191,031; Oct. 28; Serial No. 198,182; published Aug. 5, 1924.

Hauswaldt, Joh. Gottl., Magdeburg, Germany. Chocolate. 190,822; Oct. 28; Serial No. 192,253; published Aug. 12, 1924.

Hertling, August C., doing business as X L Pharmacal Co., Merchantville, N. J. Medicines for asthma, colds, etc. 190,829; Oct. 28; Serial No. 189,312; published July 29, 1924.

Hicks-Hayward Company, El Paso, Tex. Pants, coats, breeches, etc. 191,007; Oct. 28; Serial No. 197,079; published Aug. 19, 1924.

Higginbotham-Riley-Logan Company, Dallas, Tex., and New York, N. Y. Petticoats, princess slips, step-ins, etc. 191,035; Oct. 28; Serial No. 198,458; published Aug. 5, 1924.

Hill Clutch Machine & Foundry Co., The, Cleveland, Ohio. Bearings. 191,112; Oct. 28.

Hill Clutch Machine & Foundry Co., The, Cleveland, Ohio. Clutches. 191,113; Oct. 28.

Hill Clutch Machine & Foundry Co., The, Cleveland, Ohio. Speed transformers. 191,114; Oct. 28.

Hill, Walter J., & Co., San Francisco, Calif. Ladies' hats. 191,014; Oct. 28; Serial No. 196,705; published Aug. 19, 1924.

Hirsch Brothers Co., Chicago, Ill. Cake mix. 190,909; Oct. 28; Serial No. 199,003; published Aug. 12, 1924.

Holmes Company, Robinson, Me. Sardines. 191,076-7; Oct. 28.

Holt Manufacturing Company, The, Stockton, Calif. Railway locomotives. 190,950; Oct. 28; Serial No. 198,307; published Aug. 19, 1924.

Hughes, L. F., Mingo Junction, Ohio. Cigarettes. 190,900; Oct. 28; Serial No. 199,105; published Aug. 19, 1924.

Hunting-Merritt Lumber Company, Limited, Vancouver, British Columbia, Canada. Shingles. 190,934; Oct. 28; Serial No. 197,938; published Aug. 19, 1924.

Hutt, Albert E., Ardmore, Pa. Double-deck motor busses. 190,970; Oct. 28; Serial No. 197,665; published Aug. 12, 1924.

Inderrieden Canning Co., Chicago, Ill. Dried raisins. 190,890; Oct. 28; Serial No. 197,278; published Aug. 19, 1924.

Irving Engineering Sales Co., Inc., Buffalo, N. Y. Shutters for automobile radiators. 190,990; Oct. 28; Serial No. 198,524; published Aug. 19, 1924.

Jacks and Isidor, Boston, Mass. Women's and children's hats. 191,008; Oct. 28; Serial No. 196,959; published Aug. 19, 1924.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Ladies' and misses' shoes. 191,046; Oct. 28; Serial No. 190,788; published Aug. 5, 1924.

Johnston Fruit Company, Santa Barbara, Calif. Fresh citrus fruits. 190,959; Oct. 28; Serial No. 197,817; published Aug. 19, 1924.

Johnstown Woolshoe Co., Johnstown, N. Y. Shoes and slippers. 191,041; Oct. 28; Serial No. 195,579; published Aug. 12, 1924.

Kahmann, Karl W., Chicago, Ill. Mounted specimens, taxidermist's supplies, and fur rugs and robes. 190,993; Oct. 28; Serial No. 198,643; published Aug. 12, 1924.

Kaletta Co., The, St. Louis, Mo. Compound built-in altars, pulpits, pews, etc. 190,919; Oct. 28; Serial No. 195,748; published Aug. 19, 1924.

Kayser, Julius, & Co., New York, N. Y. Gloves. 191,047; Oct. 28; Serial No. 174,208; published June 12, 1923.

Keene, Harley H., doing business as Keene & Keene, St. Augustine, Fla. Eyeglasses and spectacles. 191,104; Oct. 28.

Kehler Flour Mills Company, St. Louis, Mo. Wheat flour. 190,859; Oct. 28; Serial No. 169,908; published July 31, 1923.

Keuffel & Esser Company, Hoboken, N. J. (Calculating) slide rules. 190,957; Oct. 28; Serial No. 197,821; published Aug. 19, 1924.

Keuffel & Esser Company, Hoboken, N. J. Slide rules. 190,958; Oct. 28; Serial No. 197,820; published Aug. 19, 1924.

Kibbe Brothers Company, Springfield, Mass. Coconut candy. 191,078; Oct. 28.

Kiddle Togs Company, The, Cleveland, Ohio. Children's rompers, creepers, union suits, etc. 191,049; Oct. 28; Serial No. 195,580; published Aug. 12, 1924.

King, Frank O., Chicago, Ill. Dolls. 190,906-8; Oct. 28; Serial Nos. 199,000-8; published Aug. 19, 1924.

Kistler Leather Company, South Boston, Mass. Leather. 191,074; Oct. 28.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Kotzin, Theodore, Los Angeles, Calif. Outing and work clothing. 191,048; Oct. 28; Serial No. 164,252; published Sept. 18, 1923.

Ladd, John W. Co., Detroit, Mich. Creamery, milk, ice-cream, condensing, and dairy plant equipment. 191,000; Oct. 28; Serial No. 198,874; published Aug. 19, 1924.

Laminated Materials Company Limited, New Westminster, British Columbia, Canada. Multiply wood veneer. 190,813; Oct. 28; Serial No. 193,404; published Aug. 19, 1924.

Lavino, E. J., and Company, Philadelphia, Pa. Refractory cements. 190,860; Oct. 28; Serial No. 170,028; published Aug. 12, 1924.

Lee Trailer & Body Company, Chicago, Ill. Motor-truck bodies. 190,818; Oct. 28; Serial No. 193,053; published Aug. 12, 1924.

Levin, Nathan, Pittsburgh, Pa. Corsets, girdles, aprons, belts, and ladies' bloomers. 191,017; Oct. 28; Serial No. 193,716; published Aug. 5, 1924.

Lieberman Specialty Company, Philadelphia, Pa. Sport clothes. 191,005; Oct. 28; Serial No. 197,095; published Aug. 19, 1924.

Lieberman Specialty Company, Philadelphia, Pa. Men's and boys' breeches. 191,006; Oct. 28; Serial No. 197,089; published Aug. 5, 1924.

Lincoln Oil Refining Company, Robinson, Ill. Gasoline, kerosene, and lubricating oils. 190,944; Oct. 28; Serial No. 198,145; published Aug. 19, 1924.

Lincoln Products Co., Chicago, Ill. Shock absorbers. 191,111; Oct. 28.

Lindsay Chaplet & Manufacturing Company, Philadelphia, Pa. Lawn rakes. 190,987; Oct. 28; Serial No. 198,413; published Aug. 19, 1924.

Lisenby Manufacturing Company, Fresno, Calif. Printing presses and parts thereof and material-feeding attachments therefor. 190,892; Oct. 28; Serial No. 197,381; published Aug. 19, 1924.

Loeb, H., & Co., Inc., New York, N. Y. Underwear, bath suits, sport coats, etc. 191,040; Oct. 28; Serial No. 195,702; published Aug. 12, 1924.

Loft, Incorporated, New York, N. Y. Candy. 190,945; Oct. 28; Serial No. 198,146; published Aug. 19, 1924.

Los Angeles Manufacturing Company, Los Angeles, Calif. Pipe joints, well casings, and water pipes. 190,824; Oct. 28; Serial No. 191,777; published Aug. 19, 1924.

Loudon, J. E., & Company, Boston, Mass., and Rochester, N. Y. Bearings. 190,956; Oct. 28; Serial No. 197,822; published Aug. 12, 1924.

Luun and Sweet, Inc., Auburn, Me. Leather and fabric shoes. 191,037; Oct. 28; Serial No. 192,132; published Aug. 19, 1924.

Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp burners and wicks. 191,066; Oct. 28.

Maggioli, N. Co., Inc., Boston, Mass. Sausages and hams. 191,072; Oct. 28.

Major Engineering Corporation, Chicago, Ill. Metal castings, metal ingots, sheet metal, etc. 190,920; Oct. 28; Serial No. 195,704; published Aug. 12, 1924.

Malout, Heshara I., Brooklyn, N. Y. Windshield cleaners. 190,969; Oct. 28; Serial No. 199,058; published Aug. 19, 1924.

Mandel, Paul, & Bro., Philadelphia, Pa. Suits. 191,027; Oct. 28; Serial No. 197,335; published Aug. 12, 1924.

Manning, Maxwell & Moore, Inc., New York, N. Y. Copper-nickel-alloy castings. 190,937; Oct. 28; Serial No. 198,004; published Aug. 19, 1924.

Manteca Canning Company, Manteca, Calif. Canned fruits and vegetables. 190,898-9; Oct. 28; Serial Nos. 199,172-3; published Aug. 12, 1924.

Marrus, Isaac I., Scranton, Pa. Suits, coats, pants, etc., for men and children. 191,059; Oct. 28.

Martinson, Joseph, New York, N. Y. Coffee. 190,897; Oct. 28; Serial No. 199,175; published Aug. 12, 1924.

Maybreath Company, Chicago, Ill. Candy lozenges. 190,931; Oct. 28; Serial No. 195,064; published Aug. 12, 1924.

McKay, Cecil C., doing business as The Van Dusen Nurseries, Geneva, N. Y. Nursery products. 190,908; Oct. 28; Serial No. 197,673; published Aug. 19, 1924.

McNeely Company, Philadelphia, Pa. Leathers. 190,830; Oct. 28; Serial No. 188,126; published Aug. 12, 1924.

Melrose Hospital Uniform Company. (See Tames, Peter.)

Merritt, H. D., & Co. (See Sherman, Charles H.)

Meyer, H. H., Packing Company, The, Cincinnati, Ohio. Pork and pork products. 190,926; Oct. 28; Serial No. 195,407; published Aug. 12, 1924.

Monarch Aluminum Ware Co., The, Cleveland, Ohio. Hub sets for vehicles. 190,938; Oct. 28; Serial No. 198,019; published Aug. 12, 1924.

Moorman Mfg. Co., Quincy, Ill. Prepared stock feed. 190,994; Oct. 28; Serial No. 198,664; published Aug. 12, 1924.

Murphy, James M., St. Albans, Vt. Oil compound. 190,924; Oct. 28; Serial No. 195,587; published June 24, 1924.

National Plating Works. (See Barton, Charles.)

National Stone Tile Corporation, San Francisco, Calif. Concrete molds. 191,060; Oct. 28.

Nelson Valve Company, now by change of name Nelson Manufacturing Company, Philadelphia, Pa. Pressure gauges, manometers, indicator and steam gauges, etc. 190,804; Oct. 28; Serial No. 177,614; published Aug. 19, 1924.

Nojar Manufacturing Co., Inc., New York, N. Y. Shock absorbers. 190,864; Oct. 28; Serial No. 172,288; published Aug. 19, 1924.

Norlund, Olof A., doing business as O. A. Norlund Co., Williamsport, Pa. Ice creepers and heel plates. 191,054; Oct. 28.

Norton Coal Mining Company, Nortonville, Ky. Coal. 191,001; Oct. 28; Serial No. 198,879; published Aug. 19, 1924.

Old Ben Coal Corporation, Chicago, Ill. Coal. 191,082; Oct. 28.

Ontario Gypsum Co. Limited, The, Paris, Canada. Gypsum plaster boards. 190,836; Oct. 28; Serial No. 194,610; published Aug. 12, 1924.

Oppenheim, Oberndorf & Co., Inc., doing business as The Sealpax Co., Baltimore, Md. Union suits. 191,052; Oct. 28.

Orange Crush Co., Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. 190,821; Oct. 28; Serial No. 192,493; published Aug. 19, 1924.

P-D Auto Parts, Inc., The, Meriden, Conn. Brake linings and clutch facings. 190,903; Oct. 28; Serial No. 199,087; published Aug. 12, 1924.

Pacific Coast Biscuit Co., Seattle, Wash. Candy. 190,825; Oct. 28; Serial No. 191,183; published Aug. 19, 1924.

Pacific Metal Company, Portland, Oreg. White metals. 191,088; Oct. 28.

Pacific Trading and Transport Co., Los Angeles, Calif. Fresh vegetables, grapes, melons, and canned goods, etc. 190,954; Oct. 28; Serial No. 197,900; published Aug. 19, 1924.

Paisseau, Jean, Paris, France. Imitation mother-of-pearl in bulk. 190,849; Oct. 28; Serial No. 193,619; published Aug. 12, 1924.

Palmigiano, Antonio, doing business as A. Palmigiano & Company, Inc., Rochester, N. Y. Olive oil. 190,948; Oct. 28; Serial No. 198,246; published Aug. 19, 1924.

Papadimitriw, Michael P., Akron, Ohio. Ice-cream collection. 190,869; Oct. 28; Serial No. 179,076; published Aug. 19, 1924.

Parker, C. W., Company, Inc., Des Moines, Iowa. Polishes for furniture, etc. 191,100; Oct. 28.

Parker and Walker, Boston, Mass. Transmission linings for Ford cars. 190,946; Oct. 28; Serial No. 198,152; published Aug. 19, 1924.

Parlett Varnish Company, Inc., Baltimore, Md. Varnish. 190,953; Oct. 28; Serial No. 197,901; published Aug. 19, 1924.

Pennsylvania Glass Sand Company, Lewistown, Pa. Silica. 190,925; Oct. 28; Serial No. 195,417; published Aug. 5, 1924.

Pennsylvania Pulverizing Company, Lewistown, Pa. Feldspar. 190,844; Oct. 28; Serial No. 194,294; published Aug. 26, 1924.

Phyllis Silk Mills, Chicago, Ill. Princess slips, petticoats, bloomers, etc. 191,034; Oct. 28; Serial No. 198,325; published Aug. 5, 1924.

Pioneer Lubricator Corporation, Long Beach, Calif. Lubricator cups and devices. 190,972; Oct. 28; Serial No. 197,618; published Aug. 12, 1924.

Pitts & Hight, Youngstown, Ohio. Diapers. 191,061; Oct. 28.

Pittsburgh Building Specialties Company, Pittsburgh, Pa. Water-soluble concrete paste. 190,835; Oct. 28; Serial No. 184,869; published Aug. 12, 1924.

Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 190,846; Oct. 28; Serial No. 194,213; published July 22, 1924.

Premier Motors, Incorporated, Indianapolis, Ind. Taxicabs. 190,858; Oct. 28; Serial No. 197,219; published Aug. 19, 1924.

Prentiss, William, Jr., doing business as California Almond Confections Company, Long Beach, Calif. Candy, candy-coated nuts, confections. 190,840; Oct. 28; Serial No. 194,475; published Aug. 19, 1924.

Progress Paint Mfg. Co., Louisville, Ky. Paints, varnish stains, stair finish, etc. 190,841; Oct. 28; Serial No. 194,413; published June 17, 1924.

Puritan Tuttle Coal Co., Inc., Columbus, Ohio. Coal. 190,995-6; Oct. 28; Serial Nos. 198,676-7; published Aug. 19, 1924.

Quaker City Rubber Company, Philadelphia, Pa. Rubber packing. 191,101; Oct. 28.

Quisenberry Feed Mfg. Co., Kansas City, Mo. Poultry feed. 190,856; Oct. 28; Serial No. 164,265; published Apr. 3, 1923.

Reach, A. J., Company, Philadelphia, Pa. Mitts, gloves, bats, masks, etc. 191,084; Oct. 28.

Red Hand Compositions Company, Inc., New York, N. Y. Paints. 190,914; Oct. 28; Serial No. 196,193; published June 10, 1924.

Reed Bros., Fort Fairfield, Me. Potatoes. 190,843; Oct. 28; Serial No. 194,375; published Aug. 19, 1924.

Refecto Wash & Polish Co. (See Haklisch, Frank.)

Reid Ice Cream Company, The, Brooklyn, N. Y. Ice cream. 191,053; Oct. 28.

Reliable Products Laboratory. (See Bureau, Louis J.)

Republic Varnish Company, Newark, N. J. Paints, varnish, etc. 190,879; Oct. 28; Serial No. 196,712; published July 8, 1924.

Respro Inc., Providence, R. I. Unwoven cotton impregnated with an adhesive and used for stays and other inside parts of boots and shoes, etc. 190,853; Oct. 28; Serial No. 162,200; published Aug. 12, 1924.

Rospro Inc., Providence, R. I. Manufactured or substitute leather. 190,858; Oct. 28; Serial No. 166,404; published Aug. 12, 1924.

Rich Tool Company, Chicago, Ill. Poppet valves for internal-combustion engines. 190,881-2; Oct. 28; Serial Nos. 196,822-3; published Aug. 19, 1924.

Richards, Buel W., Bench, N. Dak. Coal. 190,834; Oct. 28; Serial No. 185,939; published Aug. 19, 1924.

Richardson Company, The, Lockland, Ohio. Prepared roofing products. 190,847; Oct. 28; Serial No. 193,960; published Aug. 19, 1924.

Roberts and Schaefer Company, Chicago, Ill. Screens, picking tables, clnder holsts, etc. 190,891; Oct. 28; Serial No. 197,296; published Aug. 12, 1924.

Roberts and Schaefer Company, Chicago, Ill. Screens, picking tables, loading booms, etc. 190,961; Oct. 28; Serial No. 197,771; published Aug. 19, 1924.

Rohe & Brother, New York, N. Y. Canned and cured meats and lard and tallow. 25,549; renewed Nov. 20, 1924.

Rosemonts Products Co. (See Ahrens, Frances S.)

Rowntree and Company Limited, York, England, and Poughkeepsie, N. Y. Candy. 190,913; Oct. 28; Serial No. 196,317; published Aug. 12, 1924.

Royal Blue Stores, Inc., Chicago, Ill. Canned goods, fruit preserves, relishes, etc. 190,839; Oct. 28; Serial No. 194,486; published Aug. 19, 1924.

Ryan-Correll Co., Johnstown, Pa. Canned beans and tomatoes. 190,997; Oct. 28; Serial No. 198,765; published Aug. 19, 1924.

St. Louis Pump & Equipment Company, St. Louis, Mo. Fluid-measuring pumps and meters. 190,921; Oct. 28; Serial No. 195,660; published Aug. 19, 1924.

St. Louis Pump & Equipment Company, St. Louis, Mo. Pumps for oil and other fluids and remote control valves. 190,922; Oct. 28; Serial No. 195,659; published Aug. 19, 1924.

Sauer, George A., Louisville, Ky. Automobile and furniture polish. 190,915; Oct. 28; Serial No. 196,077; published Aug. 19, 1924.

Scholes Radio and Manufacturing Corp., New York, N. Y. Ohmic resistances. 190,863; Oct. 28; Serial No. 170,673; published July 22, 1924.

Scholl Manufacturing Company, Inc., Chicago, Ill. Shoes. 191,089; Oct. 28.

Scott, M. H., Candy Company, The, Mansfield, Ohio, Candy. 190,871; Oct. 28; Serial No. 182,363; published Aug. 19, 1924.

Scully, M. H., Syrup Company, Chicago, Ill. Syrup. 190,939; Oct. 28; Serial No. 198,034; published Aug. 19, 1924.

Sealpax Co., The. (See Oppenheim, Oberndorf & Co.)

Seckel-Fritchman and Company, Boise, Idaho. Coffee, tea, spices, peanut butter, etc. 190,820; Oct. 28; Serial No. 192,547; published Aug. 19, 1924.

Seymour Troy & Co., Inc., New York and Brooklyn, N. Y. Shoes. 191,039; Oct. 28; Serial No. 196,481; published Aug. 19, 1924.

Sherman, Charles H., doing business as H. D. Merritt & Co., North Attleboro, Mass. Combination pocket-knife and comb. 190,817; Oct. 28; Serial No. 193,136; published Aug. 12, 1924.

Shingle Manufacturers Association of British Columbia, Vancouver, British Columbia, Canada. Shingles. 191,056; Oct. 28.

Shoemaker, D. C., Coal Company, Chicago, Ill. Coal. 190,951; Oct. 28; Serial No. 198,329; published Aug. 12, 1924.

Shotwell Mfg. Co., Chicago, Ill. Candy. 190,886; Oct. 28; Serial No. 197,173; published Aug. 19, 1924.

Sisson-Selestad-Hougen Co., The, La Crosse, Wis. Canned goods, tea, coffee, etc. 190,831; Oct. 28; Serial No. 187,232; published Aug. 19, 1924.

Snap-Ball Co., Inc., Brooklyn, N. Y. Game apparatus. 190,876; Oct. 28; Serial No. 196,548; published Aug. 19, 1924.

Société Anonyme Ed. Laurens—"Le Khédyve"—Extension Belges, Brussels, Belgium. Cigarettes. 190,947; Oct. 28; Serial No. 198,156; published Aug. 12, 1924.

Société Française Triangolnik, Levallois-Perret, Seine, France. Packings, tires, inner tubes, tire patches, and belting. 190,870; Oct. 28; Serial No. 181,634; published Aug. 19, 1924.

Society for Visual Education, Chicago, Ill. Picture-projection sets or outfits, picture-projection apparatus and machines, carrying cases therefor, etc. 190,932; Oct. 28; Serial No. 194,676; published Aug. 19, 1924.

Sörgel, Oskar. (See Cotte, Ernst.)

Standard Tilton Milling Company, St. Louis, Mo. Wheat flour. 190,905; Oct. 28; Serial No. 199,026; published Aug. 12, 1924.

Standard Neckwear Company. (See Greaney, Thomas E.)

Standard Oil Company (New Jersey), Bayonne, N. J. Lubricating oils and greases. 190,978; Oct. 28; Serial No. 199,580; published Aug. 19, 1924.

Standard Olive Oil Company, Inc., doing business as Fancy Products Packing Co., New York, N. Y. Canned caviar. 191,050-1; Oct. 28.

Standard Olive Oil Company, Inc., doing business as Fancy Products Packing Co., New York, N. Y. Canned caviar, caviar dressing, fish paste. 191,083; Oct. 28.

Stein, A., & Company, Chicago, Ill. Handkerchiefs. 191,109; Oct. 28.

Steinberg, M. J., Hat & Fur Co., St. Louis, Mo. Dresses, coats, suits, scarfs, etc. 191,012-13; Oct. 28; Serial Nos. 196,719-20; published Aug. 19, 1924.

Stewart, M. L., & Co., Inc., New York, N. Y. Hosiery. 191,032; Oct. 28; Serial No. 198,265; published Aug. 5, 1924.

Stewart Manufacturing Corporation, Chicago, Ill. Metal bearings. 190,816; Oct. 28; Serial No. 193,140; published Aug. 19, 1924.

Sulka, A., & Company, New York, N. Y. Shirts and handkerchiefs. 191,085; Oct. 28.

Superior Lime & Hydrate Co. Inc., Pelham, Ala. Lime. 191,055; Oct. 28.

Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Suits and coats. 191,083; Oct. 28; Serial No. 198,269; published Aug. 5, 1924.

Swift and Company, Chicago, Ill. Smoked meat luncheon loaf. 191,079; Oct. 28.

Tames, Peter, doing business as Melrose Hospital Uniform Company and Melrose Manufacturing Company, New York, N. Y. Operating gowns and suits, laboratory, visitors', and patients' gowns, etc. 191,018; Oct. 28; Serial No. 193,686; published Aug. 12, 1924.

Tapo Citrus Association, Santa Susana, Calif. Fresh oranges and lemons. 190,902; Oct. 28; Serial No. 199,097; published Aug. 12, 1924.

Taylor Beverage & Candy Co., Rhineclander, Wis. Beverages sold as soft drinks and sirups for making same. 191,002; Oct. 28; Serial No. 198,891; published Aug. 12, 1924.

Taylor Instrument Companies, Rochester, N. Y. Barometers. 191,067; Oct. 28.

Taylor Instrument Companies, Rochester, N. Y. Thermometers. 191,068; Oct. 28.

Taylor, James E., Dallas, Tex. Oil retainer for bearings. 190,980; Oct. 28; Serial No. 199,596; published Aug. 19, 1924.

Technical Supply Company, Scranton, Pa. Drawing instruments. 190,952; Oct. 28; Serial No. 198,387; published Aug. 19, 1924.

Temko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 191,016; Oct. 28; Serial No. 194,753; published Aug. 12, 1924.

Temko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 191,045; Oct. 28; Serial No. 194,755; published Aug. 5, 1924.

Terry, Walter T., Jr., Wichita, Kans. Floor and furniture wax. 190,873; Oct. 28; Serial No. 197,505; published Aug. 19, 1924.

Tichenor Cigar Co., Inc., Peekskill, N. Y. Cigars. 190,874; Oct. 28; Serial No. 196,487; published Aug. 12, 1924.

Trico Products Corporation, Buffalo, N. Y. Windshield cleaners. 190,979; Oct. 28; Serial No. 199,508; published Aug. 19, 1924.

Tryon, Edw. K., Company, Philadelphia, Pa. Fishing reels and lines, snelled hooks, artificial baits, etc. 190,823; Oct. 28; Serial No. 192,225; published Aug. 19, 1924.

Turchin Bros., New York, N. Y. Children's hats. 191,024; Oct. 28; Serial No. 198,341; published Aug. 12, 1924.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Sheet-metal shingles. 190,805; Oct. 28; Serial No. 174,159; published Aug. 19, 1924.

United States Products Corporation, San Francisco, Calif. Dried and canned fruits and vegetables. 190,872; Oct. 28; Serial No. 184,223; published Aug. 19, 1924.

Vales, Alberto, Company, New Orleans, La. Dried cod-fish. 191,003; Oct. 28; Serial No. 198,894; published Aug. 12, 1924.

Vee Products Company, Cedar Rapids, Iowa. Take-up bolts and bearing adjusters. 190,935; Oct. 28; Serial No. 197,971; published Aug. 19, 1924.

Veenstra Produce Co., Climax, Mich. Butter. 190,862; Oct. 28; Serial No. 170,452; published June 5, 1923.

Vinkow, Joseph, Seattle, Wash. Candy bars. 191,073; Oct. 28.

Viscose Development Company Limited, Bromley, England. Corks and caps for bottles. 190,894; Oct. 28; Serial No. 199,268; published Aug. 12, 1924.

Vitreous Enamelling Company, Cleveland, Ohio. Table tops, chemical pans, wash tub covers, brick pallets, etc. 190,867; Oct. 28; Serial No. 178,484; published Aug. 12, 1924.

Wagner, Geo. F., Co., Incorporated, New York, N. Y. Eggs. 190,896; Oct. 28; Serial No. 199,200; published Aug. 12, 1924.

Walker Shoe Company, Cincinnati, Ohio. Shoes. 191,029; Oct. 28; Serial No. 197,787; published Aug. 12, 1924.

Waring Hat Manufacturing Corporation, Yonkers, N. Y. Hats and caps. 191,023; Oct. 28; Serial No. 159,393; published Aug. 12, 1924.

Washington Abattoir Co., Inc., Benning, D. C. Food or tonic for plants, flowers, and shrubbery. 190,933; Oct. 28; Serial No. 197,917; published Aug. 19, 1924.

Washoff Products Company, Lima, Ohio. Paint removers. 190,851; Oct. 28; Serial No. 193,560; published June 24, 1924.

Watson Manufacturing Co., The, Toledo, Ohio. Lathes, drills, millers, and grinders. 190,826; Oct. 28; Serial No. 191,110; published Aug. 12, 1924.

Weitz Bros., Brooklyn, N. Y. Trunks and wardrobes. 191,065; Oct. 28.

Wertz Company, The, Cleveland, Ohio. Waterproofing material on brick, tile, concrete, etc. 191,105; Oct. 28.

Western Maryland Dairy, Baltimore, Md. Poultry and swine food. 191,025; Oct. 28; Serial No. 199,099; published Aug. 19, 1924.

Western Rawhide & Helling Co., Milwaukee, Wis. Leather belting. 190,916; Oct. 28; Serial No. 196,039; published Aug. 19, 1924.

Westfeldt Brothers, New Orleans, La. Green coffee. 190,910-12; Oct. 28; Serial Nos. 198,899-901; published Aug. 12, 1924.

Westfeldt Brothers, New Orleans, La. Green coffee. 191,094; Oct. 28; Serial No. 198,897; published Aug. 12, 1924.

Weston Dodson & Co., Inc., Bethlehem, Pa. Coal. 190,977; Oct. 28; Serial No. 199,592; published Aug. 19, 1924.

White, George A., doing business as Cambridge Tailoring Co., Baltimore, Md. Men's clothing. 191,042; Oct. 28; Serial No. 195,250; published Aug. 12, 1924.

White, R. H., Company, Boston, Mass. Boys' suits, hats and caps, etc. 191,038; Oct. 28; Serial No. 197,404; published Aug. 12, 1924.

Winkelbacher & Rice, New York, N. Y. Gloves. 191,011; Oct. 28; Serial No. 196,724; published Aug. 12, 1924.

Witte Engine Works, Kansas City, Mo. Internal-combustion engines, drag-saw outfits, tree-saw outfits, etc. 190,936; Oct. 28; Serial No. 197,975; published Aug. 19, 1924.

Wizard Lightfoot Appliance Company, St. Louis, Mo. Shoes. 191,026; Oct. 28; Serial No. 197,313; published Aug. 12, 1924.

Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y. Safety lamps, carbide cap lamps, and carbide hand lamps. 190,984; Oct. 28; Serial No. 199,411; published Aug. 12, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme-International X-Ray Co., Chicago, Ill. Electrosurgical apparatus for dissection, etc. 198,494; Oct. 28.

Adams Paper & Specialties Company, Waterloo, Iowa. Butcher's waterproof wrapping paper. 201,422; Oct. 28.

Alligator Manufacturing Company. (See Peugh, Ray L.)

Altman, B., & Co., New York, N. Y. Silk piece goods. 201,318; Oct. 28.

Amboy Milk Products Co., Amboy, Ill. Evaporated milk. 201,527; Oct. 28.

American Machine & Foundry Co., Brooklyn, N. Y. Cigar, cigarette, and tobacco machinery and parts thereof, wrapping machinery and parts thereof, etc. 202,540; Oct. 28.

American Stove Company, St. Louis, Mo. Hydrocarbon burners. 196,222; Oct. 28.

Andrews, H. P., Paper Company, New York, N. Y. Mailing envelopes. 198,831; Oct. 28.

Aunin & Co., New York, N. Y. Flags. 201,607; Oct. 28.

Anzoleone Products Company, St. Louis, Mo. Chemical motor-fuel ingredient to be mixed with gasoline. 202,733-4; Oct. 28.

Arabi Mfg. Co., The, New York, N. Y. Dry and liquid adhesives. 198,216; Oct. 28.

Arkwright Finishing Company, Providence, R. I. Tracing cloth. 187,077; Oct. 28.

Armstrong Cork & Insulation Company, Pittsburgh, Pa. Heat-insulating materials. 201,170; Oct. 28.

Aronson and Sendrowitz, New York, N. Y. Outer-wear dresses. 195,670; Oct. 28.

Arroway, The, Chicago, Ill. Face powder, cold cream, hair pomade, etc. 179,345; Oct. 28.

Atlantic Refining Company, The, Philadelphia, Pa. Black, compounded, crude, cylinder, and other oils, greases, etc. 202,607; Oct. 28.

Automotive Hardware Corporation, New York, N. Y. Shock-absorbing devices for automobiles, etc. 201,703; Oct. 28.

Autoclean, Eunice M., doing business as Boursa Turkish Towel Co., Boston, Mass. Bath robes and negligees. 198,607; Oct. 28.

Averill Manufacturing Corporation, New York, N. Y. Dolls. 194,244; Oct. 28.

Ayars Machine Co., Salem, N. J. Canning machines. 195,149; Oct. 28.

Bamberger, L., & Co., Newark, N. J. Men's hats. 201,800; Oct. 28.

Barber Asphalt Paving Company, The, now by change of name The Barber Asphalt Company, Philadelphia, Pa. Roofing felt and cement, shingles, etc. 166,763; Oct. 28.

Barnett and Owen, Oakland City, Ind. Tire patches. 193,985; Oct. 28.

Beach Corn-Poppers, Inc., West Haven, Conn. Candied pop corn and candy. 202,197; Oct. 28.

Beckwith-Chandler Company, Newark, N. J. Coating lacquer for automobile and other vehicle bodies. 201,736; Oct. 28.

Bell & Howell, Company, The, Chicago, Ill. Motion-picture cameras. 201,485; Oct. 28.

Benton, R. M., Ponderok, Okla. Wheat flour. 199,518; Oct. 28.

Berlin & Jones Company, Inc., New York, N. Y. Envelopes. 199,519; Oct. 28.

Berry Brothers, Inc., Detroit, Mich. Varnish. 201,829; Oct. 28.

Biggar-Padgett Company, Fort Myers, Fla. Fresh vegetables. 199,928; Oct. 28.

Black & White Milling Company, East St. Louis, Ill. Corn meal. 197,862; Oct. 28.

Blake, C. C., Incorporated, Boston, Mass. Leather shoes. 201,425; Oct. 28.

Bosley, D. W., Company, The, Chicago, Ill. Weather stripping. 198,611; Oct. 28.

Boursa Turkish Towel Co. (See Autoclean, Eunice M.)

Boyd-Richardson Company, St. Louis, Mo. Straw hats and derbies. 198,838; Oct. 28.

Brain, Percival W., doing business as The New Health Laboratories, Lynn, Mass. Beauty clay, face powder, tonic, etc. 199,743; Oct. 28.

Brauer Bros. Shoe Company, St. Louis, Mo. Women's shoes. 199,605; Oct. 28.

Brewer-Titchener Corporation, The, Cortland, N. Y. Shock absorbers, luggage carriers, slat irons. 180,745; Oct. 28.

Brooklyn Alcohol Corporation, Brooklyn, N. Y. Denatured alcohol. 202,047-8; Oct. 28.

Brooklyn Hosiery Mills Inc., Brooklyn, N. Y. Hosiery. 193,321; Oct. 28.

Brooks Paper Company, St. Louis, Mo. Prepared stereotype dry matrices. 200,846; Oct. 28.

Brooks, The House of, Philadelphia, Pa. Clothing. 201,134; Oct. 28.

Brown, Thomas E., Philadelphia, Pa. Hosiery. 192,062; Oct. 28.

Burch, F. J., Mfg. Co., The, Pueblo, Colo. Waterproofing composition. 195,332; Oct. 28.

Butler, Mrs. Edward A., doing business as The Caliccolo Positive Treatment Company, San Diego, Calif. Medicinal preparation. 200,542; Oct. 28.

Buzza Company, The, Minneapolis, Minn. Tallies, score pads, and party invitations. 195,734; Oct. 28.

Cadet Knitting Company, Philadelphia, Pa. Hosiery. 202,379; Oct. 28.

Caliccolo Positive Treatment Company. (See Butler, Mrs. Edward A.)

Cantline, Martin, Co., The, Saugerties, N. Y. Enameled book paper. 199,708; Oct. 28.

Capitol Chemical Co., Montpelier, Vt. Food-flavoring extracts. 187,298; Oct. 28.

Cardinet Candy Co., Oakland, Calif. Candy. 196,292; Oct. 28.

Carson Pirie Scott & Co., Chicago, Ill. Infants' stockings. 201,583; Oct. 28.

Carson Pirie Scott & Co., Chicago, Ill. Hosiery. 201,888; Oct. 28.

Cartersville Mills, The, Cartersville, Ga. Knit underwear. 200,928; Oct. 28.

Cary Maple Sugar Co., St. Johnsbury, Vt. Maple-sap sirup. 200,244; Oct. 28.

Certified Dry Mat Corporation, New York, N. Y. Cork molding blankets used in the molding of dry mats. 198,615; Oct. 28.

Corvelli, Blanche, San Francisco, Calif. Reducing corsets. 199,347; Oct. 28.

Challenger, Albert L., doing business as Challenger Products Company, Kingston, Pa. Remedy for headache, nervousness, and neuralgia. 189,033; Oct. 28.

Cheramy, Inc., New York, N. Y. Vegetal compact powder, sachet, talcum powder, etc. 202,329; Oct. 28.

Chobot, Charles, Co., Clifton, N. J. Inner lining for leather boots, shoes, and slippers. 199,348; Oct. 28.

Chopak Textile Co., Inc., New York, N. Y. Knitted silk piece goods. 201,649; Oct. 28.

Class, John F., doing business as John F. Class Health Fume System, Dayton, Ohio. Fume generating and inhaling apparatus. 201,541; Oct. 21.

Cleveland Flue Cleaner Manufacturing Co. (See Osborn, George W.)

Clinett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 202,439; Oct. 28.

Colonial Shirt Co., Inc., New York, N. Y. Dress and negligee shirts. 198,564; Oct. 28.

Columbine Baby Chick Company. (See Taylor, Lila.)
Consolidated Film Industries, Inc., New York, N. Y. Motion-picture films. 200,983; Oct. 28.
Continental Scale Works, Chicago, Ill. Weighing scales. 187,998; Oct. 28.
Cooper, Leo M., doing business as Leo M. Cooper Company, New York, N. Y. Uniform dresses, bath robes, suits, etc. 199,040; Oct. 28.
Cottam, H. T., & Company Inc., New Orleans, La. Canned vegetables and fruits, rolled oats, etc. 197,994; Oct. 28.
Cowdrey, Charles F., Fitchburg, Mass. Brake-testing devices for automobiles and parts thereof. 201,653; Oct. 28.
Cox Laboratories, Inc., New York, N. Y. Preparation for relief of hay fever, head colds, etc. 201,890; Oct. 28.
Craver-Dickinson Seed Company, The, Buffalo, N. Y. Corn and seed grains. 202,768; Oct. 28.
Cummings, Edward J., doing business as Josiah Cummings & Son, Boston, Mass. Trunks, traveling cases, boxes, baskets. 191,010; Oct. 28.
Dale, Sylvester E., White Deer, Pa. Lubricating devices and systems. 194,396; Oct. 28.
Daly, John J., Boston, Mass. Shoes. 200,137; Oct. 28.
Defiance Sales Corporation. (See Universal Office Devices Co.)
Denny, Jennie Z., New York, N. Y. Face creams. 167,297; Oct. 28.
Diamond Drug Co. (See Guttman, Morris.)
Diamond Manufacturing Company, Wyoming, Pa. Perforated metal sheets and plates. 200,433; Oct. 28.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Conn. Vulcanized fiber. 201,923; Oct. 28.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Wrapping paper. 186,882; Oct. 28.
Downing, Roswell, doing business as Dowling Glare Shield Company, Oneida, N. Y. Glare shields. 201,610; Oct. 28.
Dry Goods Alliance, Inc., The, New York, N. Y. Sheets, sheetings, and pillowcases. 201,655; Oct. 28.
Dunford Health Underwear Company, Mohawk, N. Y. Knitted underwear. 202,245; Oct. 28.
Earl & Wilson, Troy, N. Y. Men's negligee and dress shirts and collars. 197,730; Oct. 28.
Edwards, J. Irving, doing business as The Stopper Co., Riverhead, N. Y. Blank forms. 198,226; Oct. 28.
Eft-Dec Products Co., St. Louis, Mo. Antiseptic preparation for dandruff and kindred diseases. 202,334; Oct. 28.
Eft-Dec Products Co., St. Louis, Mo. Bay rum, face cream, hair tonic, etc. 202,442; Oct. 28.
Eick, Fred E., doing business as The Spark-Lin-Ale Company, Martins Ferry, Ohio. Beverage and sirups for making same. 202,164; Oct. 28.
Elm Tree Hosiery, Incorporated, Wilmington, Del., and Philadelphia, Pa. Hosiery. 200,676; Oct. 28.
Esquimo Ice Corporation, Chicago, Ill. Paper wrappers. 178,718; Oct. 28.
Esmond Mills, The, Esmond, R. I. Textile blankets and material. 201,068; Oct. 28.
Fabrique Suisse des Crayons Caran d'Ache, Eaux-Vives, near Geneva, Switzerland. Pencils, paper, and stationery. 199,547; Oct. 28.
Fairbanks, Maud M., Worcester, Mass. Cough sirup, general system tonic and blood purifier, and salve. 194,531; Oct. 28.
Fay-McKinnon Company, The, Detroit, Mich. Furniture coverings, draperies, and portieres, etc. 197,926; Oct. 28.
Federal Packing Company, The, Cleveland, Ohio. Beef, mutton, lamb, etc. 180,849; Oct. 28.
Firth, J. K., Jr., San Francisco, Calif. Compound used as a wood preservative and a weed killer. 202,697; Oct. 28.
Fisher Bros. Paper Co., Fort Wayne, Ind. Wrapping paper. 199,419; Oct. 28.
Four Square Hosiery Co., Knoxville, Tenn. Hosiery. 198,772; Oct. 28.
Franklin Railway Supply Company, New York, N. Y. Fire doors. 183,473; Oct. 28.
Franklin Simon & Co. Inc., New York, N. Y. Undergarments. 201,106; Oct. 28.
Fresno Grape Distributors, Fresno, Calif. Fresh grapes. 200,194; Oct. 28.
Friedman Bros. & Son Neckwear Company, Inc., New York, N. Y. Ties and cravats. 178,438; Oct. 28.
Fulton Bag & Cotton Mills, Atlanta, Ga. Tents. 192,611; Oct. 28.
Gardner Candy Company, doing business as Margaret Gardner, Chicago, Ill. Candy. 198,857; Oct. 28.
Geyer & Adams Company, Little Rock, Ark. Canned goods, mince meat, and vinegar. 178,999; Oct. 28.
Gibson, Guy F., Incorporated, New York, N. Y. Rouges. 202,204; Oct. 28.
Glasgow, William R., doing business as Glasgow Engineering Company, St. Louis, Mo. Machines for excavating and handling materials. 202,447; Oct. 28.
Golden State Bottling Works. (See Kurlander, Saul.)
Golding Fabrics Corporation, New York, N. Y. Silk fabrics. 201,658-60; Oct. 28.
Goodyear Tire & Rubber Company, Akron, Ohio. Heels. 183,567; Oct. 28.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Vehicle tires. 202,749; Oct. 28.
Grant, James P., New York, N. Y. Evaporated milk. 201,435; Oct. 28.
Grasselli Chemical Company, The, Cleveland, Ohio. Metallic salts for electrolytic plating. 202,553; Oct. 28.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Canned red peppers. 178,386; Oct. 28.
Greist, Henry J., doing business as Handy Mfg. Co., Chester, Pa. Soap receptacles. 184,028; Oct. 28.
Gus v. Brecht Butchers' Supply Company, The, St. Louis, Mo., and New York, N. Y. Beef, sheep, and hog casings. 193,659; Oct. 28.
Guttman, Morris, doing business as Diamond Drug Co., St. Louis, Mo. Preparation for the treatment of kidney, liver, and stomach troubles, etc. 202,058; Oct. 28.
Hamilton, L. R., Reedley, Calif. Fresh peaches and grapes. 201,611; Oct. 28.
Handy Mfg. Co. (See Greist, Henry J., assignor.)
Hartwell Brothers, Memphis, Tenn. Ax, adz, sledge, etc., handles. 202,251; Oct. 28.
Hibbard Company, The, Cleveland, Ohio. Ice machines and refrigerators. 183,070; Oct. 28.
Hide, Leather & Belting Co., Indianapolis, Ind. Leather machine belting. 200,496; Oct. 28.
Hill Medicine Co. (See Hillman, Morris.)
Hill, Peterson & Blake, Salt Lake City, Utah. Plate supports. 197,433; Oct. 28.
Hillman, Morris, doing business as Hill Medicine Co., Atlanta, Ga. Preparation for the treatment of rheumatism, colds, and coughs. 190,158; Oct. 28.
Hoch, Le Roy I., doing business as The Mar Mar Products Co., Philadelphia, Pa. Powder for the treatment of headache and neuralgia. 202,062; Oct. 28.
Hodgman, Arthur W., Natick, Mass. Beverages sold as soft drinks and sirups for making the same. 201,403; Oct. 28.
Hosiery Manufacturers Scales Co. Inc., New York, N. Y. Hosiery, sweaters, knitted underwear. 195,172; Oct. 28.
Houdaille Company, The, Buffalo, N. Y. Shock absorbers. 200,946; Oct. 28.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables and dried fruits. 186,641; Oct. 28.
Hunter, Anna H., Los Angeles, Calif. Dresses. 202,344; Oct. 28.
Hurwitz, Frank & Sons, Baltimore, Md. Mayonnaise and relish. 201,242; Oct. 28.
Hutchinson-Winch. (See International Shoe Company.)
Hutter, Rose, New York, N. Y. Electrical depilatories. 200,817; Oct. 28.
Ison, Edward L., New York, N. Y. Clothing. 184,134; Oct. 28.
Imperial Ice Cream Company, Parkersburg, W. Va. Ice cream. 201,033; Oct. 28.
International Shoe Company, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass. Slippers. 202,119; Oct. 28.
Jacques, Alfred, New York, N. Y. Tool steels. 201,899; Oct. 28.
Jericho, Jesse, doing business as Jericho Millinery Company, Oklahoma City, Okla. Hats. 201,757; Oct. 28.
Joel, Herman M., & Son, New York, N. Y. Boys' suits, overcoats, and knickerbockers. 202,296; Oct. 28.
Johnson Ideal Halter Co., The, Aurora, Ill. Halters. 191,489; Oct. 28.
Kaltenbach & Stephens Inc., New York, N. Y. Ribbons. 201,348; Oct. 28.
King Candy Co., Fort Worth, Tex. Candy. 201,244; Oct. 28.
King Coal Company, San Francisco, Calif. Coal. 198,809; Oct. 28.
Koehn, Henry J., doing business as The Koehn Manufacturing Company (Not Inc.), Chicago, Ill. Laxative. 202,755; Oct. 28.
Kunstharzfabrik Dr. Fritz Pollak Gesellschaft m. b. H., Vienna, Austria. Condensation product of phenol and formaldehyde. 202,022; Oct. 28.
Kurlander, Saul, doing business as Golden State Bottling Works and as Mapocal Punch Co., Los Angeles, Calif. Beverages, bottlers' sirups, etc. 201,565; Oct. 28.
Lambros & Sons, Bellaire, Ohio. Ointment. 202,255; Oct. 28.
Lattemann, J. J., Shoe Mfg. Co. Inc., Brooklyn, N. Y. Shoes. 197,885; Oct. 28.
Leggett, Francis H., & Company, New York, N. Y. Ginger ale. 201,930; Oct. 28.
Lewis, G. B., Company, Watertown, Wis. Palls. 184,976; Oct. 28.
Lewis, Hubbard and Company, Charleston, W. Va. Coffee and peanuts. 185,711; Oct. 28.
Lewis Manufacturing Company, Walpole, Mass. Cheese-cloth. 201,708; Oct. 28.
Library Bureau, Cambridge, Mass. Cards for indexes, etc. 198,650-1; Oct. 28.
Lieberman Specialty Company, Philadelphia, Pa. Men's hunting coats, hunting vests, outing suits, etc. 197,096; Oct. 28.
Lime-Cola Bottling Company of Atlanta, Ga., Atlanta, Ga. Beverages. 200,267; Oct. 28.

Lindsay, Philip K., doing business as P. K. Lindsay & Co., Boston, Mass. Air compressors and pumps and parts thereof. 201,668; Oct. 28.
Lowe Brothers Company, The, Dayton, Ohio. Paint. 201,901; Oct. 28.
Lynn-Kerr & Co., Louisville, Ky. Trimmed hats. 196,127; Oct. 28.
Main Belting Company, Philadelphia, Pa. Machinery-belt dressing. 202,127; Oct. 28.
Malley, Edw., Co., The, New Haven, Conn. Writing paper and envelopes. 199,236; Oct. 28.
Mapocal Punch Co. (See Kurlander, Saul.)
Markstein Brothers Millinery Company, Birmingham, Ala. Ladies' hats. 191,892; Oct. 28.
Mar Mar Products Co., The. (See Hoch, Le Roy I.)
Marshall Field & Company, Chicago, Ill. Opera and field glasses. 202,128; Oct. 28.
Marvel Maid Garment Co., Chicago, Ill. Women's petticoats, bloomers, and princess slips. 202,560; Oct. 28.
Mattes, Leo A., Berkeley, Calif. Ant poison. 200,054; Oct. 28.
Mattman & Sinclair Co., Cincinnati, Ohio. Air meters. 199,073; Oct. 28.
Mayes, Herbert G., San Mateo, Calif. Prepared oranges. 181,643; Oct. 28.
Merrell, J. S., Drug Company, St. Louis, Mo. Preparation for the correction of all female derangements. 199,794; Oct. 28.
Merrell-Soule Company, Syracuse, N. Y. Minced meat. 185,304; Oct. 28.
Miller, Robert C., doing business as Redbird Hatchery, Des Moines, Iowa. Eggs, live poultry, and baby chicks. 190,800; Oct. 28.
Milwaukee Knitting Mills, Milwaukee, Wis. Hosiery. 198,954; Oct. 28.
National Chemical & Manufacturing Company. (See Romanowski, B. F.)
National Mill & Lumber Company, San Francisco, Calif. Wall board. 185,374; Oct. 28.
National Pneumatic Company, New York, N. Y. Pneumatic motors, door shoes, pipe-line equipment, etc. 199,566; Oct. 28.
New Health Laboratories. (See Brain, Percival W.)
Newton Falls Paper Company, Newton Falls and New York, N. Y. Bond and ledger paper. 198,245; Oct. 28.
New York Merchandise Company, New York, N. Y. Hair nets. 167,141; Oct. 28.
North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Granular wheat flour. 195,588; Oct. 28.
Noxage Co., The, Grand Rapids, Mich. Beverages and sirups for the same. 201,818; Oct. 28.
Oak Rubber Company, The, Ravenna, Ohio. Toy balloons. 195,709; Oct. 28.
Oliver and Sherrod Hog Cholera Medicine Co., Kansas City, Mo. Internal medicine for hog cholera. 202,302; Oct. 28.
Optical Development Corporation, New York, N. Y. Ophthalmic lenses. 201,370; Oct. 28.
Osborn, George W., doing business as Cleveland Flue Cleaner Manufacturing Co., Cleveland, Ohio. Emery-wheel dressers. 201,254; Oct. 28.
Ottawa Silica Co., The, Ottawa, Ill. Sand-blast sand. 201,153; Oct. 28.
Page Steel & Wire Company, Adrian, Mich., and Bridgeport, Conn. Wire fence. 202,416; Oct. 28.
Parrinelli, Nicola, New York, N. Y. Medicine for stomach trouble. 201,255; Oct. 28.
Parsons Paper Company, Holyoke, Mass. Writing paper. 199,570; Oct. 28.
Peeler, William C., Columbia, S. C. Beverage. 201,853; Oct. 28.
Pelle Company, The, Brooklyn, N. Y. Elevator fire doors and door operators, etc. 202,140; Oct. 28.
Pencilnife Corporation. (See Schick, Jacob, assignor.)
Penn-Greg Manufacturing Co., St. Paul, Minn. Mail boxes. 200,277; Oct. 28.
Pettibone Mulliken Co., New York, N. Y. Manganese-steel castings. 202,220; Oct. 28.
Peugh, Ray L., doing business as Alligator Manufacturing Company, Oklahoma City, Okla. Tire patches. 199,089; Oct. 28.
Pfister & Vogel Leather Company, Milwaukee, Wis. Leathers. 200,339; Oct. 28.
Pine Tree Shirt Co., New York, N. Y. Shirts and pyjamas. 176,034; Oct. 28.
Piptone, Thomas, doing business as Vitas Packing Co., New York, N. Y. Canned tunny fish, olive oil, tomato paste, macaroni. 195,072; Oct. 28.
Pressed Steel Tank Company, West Allis, Wis. Steel tanks. 200,278; Oct. 28.
Prince, L. M., Company, The, Cincinnati, Ohio. Spectacles, goggles, and lenses thereof. 201,257; Oct. 28.
Prince, Raymond M., Carbondale, Ill. Suits and coats. 185,379; Oct. 28.
Productores y Exportadores Espanoles, S. A., Bilbao, Spain. Salted anchovies. 195,986; Oct. 28.
Purity Baking Co., St. Paul, Minn. Bread. 193,420; Oct. 28.
Redbird Hatchery. (See Miller, Robert C.)

Reliance Machine & Stamping Works, Inc., New Orleans, La. Animal traps. 201,858; Oct. 28.
Reym Shoe Mfg. Co., Inc., Brooklyn, N. Y. Shoes. 200,224; Oct. 28.
Richards-Scheble Candy Co., The, Hutchinson, Kans. Candy. 200,780; Oct. 28.
Richards-Stanley Mfg. Co., Hillsboro, Ohio. Oilers for automobile engines. 202,641; Oct. 28.
Ries, Alexander, Philadelphia, Pa. Shirts, night wear, and underclothing for men and children. 200,058; Oct. 28.
Romanowski, B. F., doing business as National Chemical & Manufacturing Company, Chicago, Ill. Paint and varnish removers. 201,774; Oct. 28.
Rope Paper Sack Mfgs. Assn., Providence, R. I. Sacks, bags, cartons, etc. 188,612; Oct. 28.
Rope Paper Sack Mfgs. Assn., Providence, R. I. Sacks, bags, cartons, etc. 188,933; Oct. 28.
Rosenblum, A., & Son, Inc., New York, N. Y. Onions. 202,182; Oct. 28.
Roseto Company, Inc., Roseto, Pa. Silk piece goods. 201,775-6; Oct. 28.
Rushton, Georgia L., Seattle, Wash. Pies, cakes, and doughnuts. 179,058; Oct. 28.
Savels, Oryls M., doing business as O. M. Savels & Co., Worcester, Mass. Cutting dies. 202,223; Oct. 28.
Scavini, Enrico, Turin, Italy. Hats and caps, underwear, hosiery, etc. 198,382; Oct. 28.
Schaffer Bros. & Samuels, New York, N. Y. Fur garments. 198,588; Oct. 28.
Schick, Jacob, Newark, N. J., assignor, by mesne assignments, to Pencilnife Corporation, New York, N. Y. Combined clip and knife for pencils. 198,089; Oct. 28.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Lead and other pencils. 199,853; Oct. 28.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Lead and other pencils, chalk, etc. 199,854; Oct. 28.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Chalk, elastic bands, gold pens, etc. 199,855; Oct. 28.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Chalk, lead-pencil pointers, etc. 199,857; Oct. 28.
"Sentinel" Waggon Works (1920) Limited, The, London, England. Road vehicles and railway cars. 176,859; Oct. 28.
Shapinsky, S., and Company, Louisville, Ky. Sweaters and underwear. 199,188; Oct. 28.
Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y. Receptacles for lubricants. 195,239; Oct. 28.
Smith Agricultural Chemical Company, The, Columbus, Ohio. Plant food and fertilizers. 202,521-2; Oct. 28.
Smith, George E., doing business as Geo. E. Smith & Co., Cincinnati, Ohio. Candy. 199,079; Oct. 28.
Societe Anonyme des Usines Renault, Billancourt, Seine, France. Motors and parts thereof, tractors, lathes, etc. 191,646; Oct. 28.
Solar-Sturges Mfg. Co., Chicago, Ill. Milk cans. 199,025; Oct. 28.
Sondermann, Frieda L., Indianapolis, Ind. Preparation for the feet. 198,158; Oct. 28.
Spark-Lin-Ale Company. (See Eick, Fred E.)
Standard Oil Company (New Jersey), Bayonne, N. J., and New York, N. Y. Oils and lubricating greases. 201,723; Oct. 28.
State Mill and Elevator. (See North Dakota Mill and Elevator Association.)
States Hosiery Mfg. Co., New York, N. Y. Hosiery. 201,908; Oct. 28.
Steidle Manufacturing Company, The, Cincinnati, Ohio. Bins for hardware. 200,345; Oct. 28.
Stopper Co., The. (See Edwards, J. Irving.)
Strassel, John J., & Son Inc., New York, N. Y. Cotton piece goods. 201,863; Oct. 28.
Strauss, William, Inc., New York, N. Y. Boudoir caps. 198,094; Oct. 28.
Strawbello Company of America, San Francisco, Calif. Beverage sold as a soft drink. 202,039; Oct. 28.
Strong, Hewat & Co. Inc., New York, N. Y. Woolen piece goods. 201,779; Oct. 28.
Stronge and Warner Company, St. Paul, Minn. Ladies' hats. 201,864; Oct. 28.
Sturtevant, A. J., Jr., Fresno, Calif. Fresh grapes. 201,780; Oct. 28.
Summers, Samuel L., Fort Washington, Pa. Medicinal compounds. 199,583; Oct. 28.
Summers, Samuel L., Fort Washington, Pa. Medicinal compounds. 200,347; Oct. 28.
Superior Novelty Mfg. Co., Elizabeth, N. J., and New York, N. Y. Vanity cases. 196,142; Oct. 28.
Taylor, Lila, doing business as Columbine Baby Chick Company, Denver, Colo. Baby chicks. 201,781; Oct. 28.
Thompson-Barlow Co. Inc., New York, N. Y. Corsets and girdles. 200,695; Oct. 28.
Thomson, Peter, Philadelphia, Pa. Suits, overcoats, hats, etc. 200,696; Oct. 28.
Toledo Chemical & Supply Company, Toledo, Ohio. Cleaning solution for fabrics. 201,600; Oct. 28.
Trustees of the Principia, St. Louis, Mo. Printed periodical publications. 176,372; Oct. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Unique Leather Goods Company, Inc., Richmond Hill, N. Y. Ladies' hand bags. 199,960; Oct. 28.
 United Drug Company, Boston, Mass. Hair nets. 201,601; Oct. 28.
 U. S. Chlorinhaler Company, Washington, D. C. Chlorine-gas inhaler. 202,568; Oct. 28.
 U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 175,173; Oct. 28.
 Universal Office Devices Co., Chicago, Ill. assignor to DeLance Sales Corporation, New York, N. Y. Memorandum or calendar pads and stands or holders therefor. 183,012; Oct. 28.
 Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Food-flavoring extracts. 200,040; Oct. 28.
 Vitras Packing Co. (See Piptone, Thomas.)
 W. K. and E. Boston, Mass. Bedbug and cockroach killer. 201,911; Oct. 28.
 Wachstetter, Guy W., Indianapolis, Ind. Sweetened pop corn. 170,419; Oct. 28.
 Wag Foods, Inc., Syracuse, N. Y. Sliced dried beef, bouillon cubes, breakfast cereals, etc. 196,089; Oct. 28.
 Walters, Daniel W., Richmond, Ind. Salve. 202,189; Oct. 28.
 Walther & Company, New York, N. Y. Paper for bank checks, money orders, bonds, etc. 191,651; Oct. 28.
 Watkins, J. R., Company, The, Winona, Minn. Mouth washes. 202,729; Oct. 28.
 Weichsel Laboratories, Dallas, Tex. Chemical preparation for dandruff and scalp treatment. 202,471; Oct. 28.
 Weigand, Otto F., doing business as C. A. Weigand, Philadelphia, Pa. Window shading in the piece. 201,787; Oct. 28.
 Weissbaum Bros.-Brower Co., The, Cincinnati, Ohio. Neckties. 199,869; Oct. 28.
 Weiss, Theo., & Company, Inc., New Orleans, La. Overalls. 201,728; Oct. 28.

Weiss & Zahler, New York, N. Y. Men's cravats. 200,973; Oct. 28.
 Wendell, Francis D., doing business as Wendell Cycle Company, Cleveland, Ohio. Bicycles and parts thereof. 189,650; Oct. 28.
 Wenzel, Margaret V., Le Roy, Mich. Pens, pencils, and attachments therefor. 193,144; Oct. 28.
 Wernet Dental Mfg. Co., Inc., New York, N. Y. Powder to hold false teeth firmly in place. 200,415; Oct. 28.
 Westinghouse, Henry H., New York, N. Y. Metal cans. 199,100; Oct. 28.
 White Star Refining Company, Detroit, Mich. Motor fuel oil. 201,869; Oct. 28.
 White Stokes Co., Inc., Chicago, Ill. Base or filler for candy. 201,120; Oct. 28.
 Williams, H. E., Products Co., Carthage, Mo. Baggage and luggage carriers and racks. 199,027; Oct. 28.
 Wilshire Oil Company, Inc., Los Angeles, Calif. Petroleum products. 199,915; Oct. 28.
 Winner, Abraham, doing business as Winner, New York, N. Y. Furs. 200,794; Oct. 28.
 Witz, Henry C., Indian Harbor, Ind. Foot powder. 202,538; Oct. 28.
 Wood-Land-Mist Products Co., The, Brooklyn, N. Y. Polish for furniture, automobiles, etc. 193,148; Oct. 28.
 Woodrow, Edgar K., Cincinnati, Ohio. Shoes. 194,038; Oct. 28.
 Worlicek, Johann, Karlsbad, Czechoslovakia. Preparation to be added to the bath. 200,234; Oct. 28.
 Worumbo Manufacturing Company, Bath, Me. Woolen piece goods. 201,872-3; Oct. 28.
 Zion, Sol., & Co., Philadelphia, Pa. Suits and overcoats. 200,796; Oct. 28.
 Zorah Company Inc., New York, N. Y. Packages of breakfast food. 201,018; Oct. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Bulbs, Flower. W. Albee Burpee Company. 190,880; Oct. 28; Serial No. 196,727; published Aug. 19, 1924.
 Coal. Brookpark Coal & Supply Company. 190,998; Oct. 28; Serial No. 198,840; published Aug. 19, 1924.
 Coal. Carbon Fuel Company. 191,081; Oct. 28.
 Coal. Clinchfield Coal Corporation. 190,883; Oct. 28; Serial No. 197,016; published Aug. 12, 1924.
 Coal. Norton Coal Mining Company. 191,001; Oct. 28; Serial No. 198,879; published Aug. 19, 1924.
 Coal. Old Ben Coal Corporation. 191,082; Oct. 28.
 Coal. Puritan Tuttle Coal Co. 190,995-6; Oct. 28; Serial Nos. 198,676-7 published Aug. 19, 1924.
 Coal. B. W. Richards. 190,834; Oct. 28; Serial No. 185,939; published Aug. 19, 1924.
 Coal. D. C. Shoemaker Coal Company. 190,951; Oct. 28; Serial No. 198,329; published Aug. 12, 1924.
 Coal. Weston Dodson & Co. 190,977; Oct. 28; Serial No. 190,592; published Aug. 19, 1924.
 Feldspar. Pennsylvania Pulverizing Company. 190,844; Oct. 28; Serial No. 194,294; published Aug. 26, 1924.
 Kid and hides. Anciens Etablissements Georges Guy. 190,971; Oct. 28; Serial No. 197,646; published Aug. 19, 1924.
 Leather. Kistler Leather Company. 191,074; Oct. 28.
 Leather and lace leather in slides, Cut lace. Graton & Knight Manufacturing Company. 190,878; Oct. 28; Serial No. 190,658; published Aug. 12, 1924.
 Leathers. McNeely Company. 190,830; Oct. 28; Serial No. 188,126; published Aug. 12, 1924.
 Nursery products. C. C. McKay. 190,968; Oct. 28; Serial No. 197,673; published Aug. 19, 1924.
 Pitch and tar. Grubenholz-Imprägnierung G. m. b. H. 190,981; Oct. 28; Serial No. 199,476; published Aug. 19, 1924.
 Pitch and tar. Grubenholz-Imprägnierung G. m. b. H. 190,982-3; Oct. 28; Serial Nos. 199,473-4; published Aug. 19, 1924.
 Plants, Pansy. E. F. Baumann. 190,861; Oct. 28; Serial No. 170,117; published Aug. 19, 1924.
 Silica. Pennsylvania Glass Sand Company. 190,925; Oct. 28; Serial No. 195,417; published Aug. 5, 1924.
 Silk, Raw. Ganze Seishi Kabushiki Kwaisha. 191,021; Oct. 28; Serial No. 168,036; published Aug. 5, 1924.

CLASS 3.

Trunks and wardrobe. Weltz Bros. 191,065; Oct. 28.

CLASS 6.

Medicines, creams, lotions, etc. A. C. Herting. 190,829; Oct. 28; Serial No. 189,312; published July 29, 1924.
 Ointment, Healing. L. J. Bureau. 191,058; Oct. 28.

CLASS 10.

Food or tonic for plants, flowers, and shrubbery. Washington Abattoli Co. 190,933; Oct. 28; Serial No. 197,917; published Aug. 19, 1924.

CLASS 12.

Altars, pulpits, pews, etc. Kaletta Co. 190,919; Oct. 28; Serial No. 195,748; published Aug. 19, 1924.
 Brick, tile, concrete, etc. Waterproofing material on. Wertz Company. 191,105; Oct. 28.
 Bricks and high-temperature cement, Refractory. L. R. Botfield. 190,868; Oct. 28; Serial No. 179,653; published Aug. 12, 1924.
 Carpet felt. Graham Paper Company. 190,955; Oct. 28; Serial No. 197,877; published Aug. 19, 1924.
 Cements, Refractory. E. J. Lavino and Company. 190,860; Oct. 28; Serial No. 170,028; published Aug. 12, 1924.
 Concrete paste, Water-soluble. Pittsburgh Building Specialties Company. 190,835; Oct. 28; Serial No. 184,869; published Aug. 12, 1924.
 Lath, Metal. Goldsmith Metal Lath Company. 190,832; Oct. 28; Serial No. 186,991; published Aug. 19, 1924.
 Lime. Edward Bryant Company. 190,833; Oct. 28; Serial No. 185,953; published Aug. 19, 1924.
 Lime. Superior Lime & Hydrate Co. 191,055; Oct. 28.
 Paper, Building. Blake, Moffitt & Towne. 190,973; Oct. 28; Serial No. 197,529; published Aug. 19, 1924.
 Plaster boards, Gypsum. Ontario Gypsum Co. Limited. 190,834; Oct. 28; Serial No. 194,610; published Aug. 12, 1924.
 Road and pavement construction and waterproofing same. Composition for. C. R. Filbert. 190,992; Oct. 28; Serial No. 198,632; published Aug. 19, 1924.
 Roofing products. Richardson Company. 190,847; Oct. 28; Serial No. 193,060; published Aug. 19, 1924.
 Shingles. Hunting-Merritt Lumber Company. 190,934; Oct. 28; Serial No. 197,938; published Aug. 19, 1924.
 Shingles. Shingle Manufacturers Association of British Columbia. 191,056; Oct. 28.
 Shingles, Sheet-metal. United Alloy Steel Corporation. 190,865; Oct. 28; Serial No. 174,159; published Aug. 19, 1924.
 Veneer, Multiply wood. Laminated Materials Company Limited. 190,813; Oct. 28; Serial No. 193,404; published Aug. 19, 1924.

CLASS 13.

Antiskid chains and books for the same. Chester D. Cole & Winslow J. Hurtt. 191,022; Oct. 28; Serial No. 163,970; published Aug. 19, 1924.
 Bolts and bearing adjusters, Take-up. Vec Products Company. 190,935; Oct. 28; Serial No. 197,971; published Aug. 19, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Ice creepers and heel plates. O. A. Norlund. 191,054; Oct. 28.
 Pipe joints, well casings, and water pipes. Los Angeles Manufacturing Company. 190,824; Oct. 28; Serial No. 191,777; published Aug. 19, 1924.
 Screens, Window. S. S. Gorayeb & Bros. 190,943; Oct. 28; Serial No. 198,132; published Aug. 19, 1924.
 Table tops and kitchen shelves, Enameled stamped metal. Benjamin Electric Manufacturing Company. 190,857; Oct. 28; Serial No. 160,031; published Aug. 19, 1924.
 Table tops, chemical pans, washtub covers, brick pallets, etc. Vitreous Enamelling Company. 190,867; Oct. 28; Serial No. 178,484; published Aug. 12, 1924.
 Water and liquid soap dispensers. H. H. Emmons. 191,009; Oct. 28.

CLASS 14.

Castings, Copper-nickel-alloy. Manning, Maxwell & Moore, Inc. 190,937; Oct. 28; Serial No. 198,004; published Aug. 19, 1924.
 Castings, metal ingots, sheet metal, etc. Major Engineering Corporation. 190,920; Oct. 28; Serial No. 195,704; published Aug. 12, 1924.
 Metals, White. Pacific Metal Company. 191,088; Oct. 28.

CLASS 15.

Gasoline. Fel-Oyle Company. 190,893; Oct. 28; Serial No. 199,279; published Aug. 19, 1924.
 Gasoline, kerosene, and lubricating oils. Lincoln Oil Refining Company. 190,944; Oct. 28; Serial No. 198,145; published Aug. 19, 1924.
 Gasoline, kerosene, oils, greases. Consumers Oil Company. 190,901; Oct. 28; Serial No. 198,621; published Aug. 19, 1924.
 Lubricants. Carr Fastener Company. 190,901; Oct. 28; Serial No. 199,107; published Aug. 19, 1924.
 Oils and greases, Lubricating. Cain Oil Company. 190,838; Oct. 28; Serial No. 191,525; published Aug. 19, 1924.
 Oils and greases, Lubricating. Standard Oil Company (New Jersey). 190,978; Oct. 28; Serial No. 199,580; published Aug. 19, 1924.

CLASS 16.

Carbon Black. Godfrey L. Cahot, Inc. 190,940; Oct. 28; Serial No. 198,054; published Aug. 19, 1924.
 Filling and priming compound. T. H. Downward. 190,927; Oct. 28; Serial No. 195,223; published Aug. 19, 1924.
 Finish for metal, wood, etc. Ditzler Color Company. 190,845; Oct. 28; Serial No. 194,261; published June 17, 1924.
 Oil compound. J. M. Murphy. 190,924; Oct. 28; Serial No. 195,587; published June 24, 1924.
 Paint. Devoe & Reynolds Co. 190,963; Oct. 28; Serial No. 197,722; published Aug. 19, 1924.
 Paint and varnish. Devoe & Reynolds Co. 190,962; Oct. 28; Serial No. 197,723; published Aug. 19, 1924.
 Paint and varnish. Devoe & Reynolds Co. 190,964; Oct. 14; Serial No. 197,719; published Aug. 19, 1924.
 Paint and varnish removers. American Paint and Varnish Remover Company. 190,852; Oct. 28; Serial No. 193,435; published May 20, 1924.
 Paint for protective, etc., purposes for use on brick, etc. Detroit Graphite Company. 190,917; Oct. 28; Serial No. 195,875; published June 10, 1924.
 Paint, Paste. Central Paint & Varnish Mfg. Co. 190,930; Oct. 28; Serial No. 195,095; published May 20, 1924.
 Paint, Ready-mixed. Devoe & Reynolds Co. 190,966; Oct. 28; Serial No. 197,713; published Aug. 19, 1924.
 Paint removers. Washoff Products Company. 190,851; Oct. 28; Serial No. 193,560; published June 24, 1924.
 Paints. Red Hound Compositions Company. 190,914; Oct. 28; Serial No. 196,193; published June 10, 1924.
 Paints and varnishes, Black pigments for. Hancey & Smith Company. 190,887; Oct. 28; Serial No. 197,184; published Aug. 19, 1924.
 Paints, paint enamels, etc. Republic Varnish Company. 190,879; Oct. 28; Serial No. 196,712; published July 8, 1924.
 Paints, varnish stains, stair finish, etc. Progress Paint Mfg. Co. 190,841; Oct. 28; Serial No. 194,413; published June 17, 1924.
 Polish, Automobile and furniture. G. A. Sauer. 190,915; Oct. 28; Serial No. 196,077; published Aug. 19, 1924.
 Polish, Furniture. N. Deakides. 190,848; Oct. 28; Serial No. 193,602; published June 17, 1924.
 Polishes for furniture, pianos, and painted surfaces. C. W. Parker Company. 191,100; Oct. 28.
 Protective composition for metallic surfaces. Alcoro Chemical Company. 190,814; Oct. 28; Serial No. 193,372; published June 3, 1924.
 Varnish. Berry Brothers, Inc. 190,877; Oct. 28; Serial No. 196,569; published June 10, 1924.
 Varnish. Devoe & Reynolds Co. 190,967; Oct. 28; Serial No. 197,707; published Aug. 19, 1924.
 Varnish. Parlett Varnish Company. 190,953; Oct. 28; Serial No. 197,901; published Aug. 19, 1924.
 Varnish stains and ready-mixed paints. Duquesne Paint Company. 191,106; Oct. 28.
 Varnish stains, paint enamels, etc. Central Glass Company. 190,837; Oct. 28; Serial No. 194,590; published July 1, 1924.

Varnishes. Devoe & Reynolds Co. 190,965; Oct. 28; Serial No. 197,714; published Aug. 19, 1924.
 Wash and polish for automobiles, etc. F. Haklsch. 190,928; Oct. 28; Serial No. 195,170; published Aug. 19, 1924.
 Wax, Floor and furniture. W. T. Terry, Jr. 190,873; Oct. 28; Serial No. 197,505; published Aug. 19, 1924.
 Wood fillers. J. Adler. 190,827; Oct. 28; Serial No. 190,665; published Aug. 19, 1924.

CLASS 17.

Cigarettes. L. F. Hughes. 190,900; Oct. 28; Serial No. 199,165; published Aug. 19, 1924.
 Cigarettes. Société Anonyme Ed. Laurens—"Le Khé-dive"—Extension Belge. 190,947; Oct. 28; Serial No. 198,156; published Aug. 12, 1924.
 Cigars. Ehrman Bros. Horn & Company. 190,974-5; Oct. 28; Serial Nos. 199,834-5; published Aug. 19, 1924.
 Cigars. Ehrman Bros. Horn & Company. 190,970; Oct. 28; Serial No. 199,832; published Aug. 19, 1924.
 Cigars. Ehrman Bros. Horn & Company. 191,090; Oct. 28.
 Cigars. Tichenor Cigar Co. 190,874; Oct. 28; Serial No. 196,487; published Aug. 12, 1924.

CLASS 19.

Automobile accessories. C. Barton. 190,819; Oct. 28; Serial No. 192,750; published Aug. 19, 1924.
 Automobile mirrors. Acme Specialty Mfg. Co. 190,885; Oct. 28; Serial No. 197,125; published Aug. 12, 1924.
 Automobile radiator shutters. Irving Engineering Sales Co. 190,990; Oct. 28; Serial No. 198,524; published Aug. 19, 1924.
 Automobile radiators. W. D. Blood & Company. 190,828; Oct. 28; Serial No. 189,702; published Aug. 12, 1924.
 Automobile seat covers. Economy Cover Company, Inc. 190,929; Oct. 28; Serial No. 195,160; published Aug. 12, 1924.
 Bumpers and bumper brackets and attachment parts. Cox Brass Manufacturing Company. 190,855; Oct. 28; Serial No. 162,804; published Apr. 17, 1923.
 Hub sets for vehicles. Monarch Aluminum Ware Co. 190,938; Oct. 28; Serial No. 198,019; published Aug. 12, 1924.
 Motor busses, Double-deck. A. E. Hutt. 190,970; Oct. 28; Serial No. 197,665; published Aug. 12, 1924.
 Motor-truck bodies. Lee Trailer & Body Company. 190,818; Oct. 28; Serial No. 193,053; published Aug. 12, 1924.
 Shock absorbers. Lincoln Products Co. 191,111; Oct. 28.
 Shock absorbers. Nojar Manufacturing Co. 190,864; Oct. 28; Serial No. 172,288; published Aug. 19, 1924.
 Taxicabs. Premier Motors, Incorporated. 190,888; Oct. 28; Serial No. 197,219; published Aug. 19, 1924.

CLASS 21.

Ohmic resistances. Scholes Radio and Manufacturing Corp. 190,863; Oct. 28; Serial No. 170,673; published July 22, 1924.
 Radio outfits, devices, and accessories. Polydyne Corporation. 190,846; Oct. 28; Serial No. 194,213; published July 22, 1924.

CLASS 22.

Automobiles and bicycles. Children's. Abraham & Straus, Inc. 190,989; Oct. 28; Serial No. 198,492; published Aug. 19, 1924.
 Balls. F. O. Kling. 190,906-8; Oct. 28; Serial Nos. 199,006-8; published Aug. 19, 1924.
 Fishing reels and lines, snelled hooks, etc. Edw. K. Tryon Company. 190,823; Oct. 28; Serial No. 192,225; published Aug. 19, 1924.
 Game apparatus. Snap-Ball Co. 190,876; Oct. 28; Serial No. 196,548; published Aug. 19, 1924.
 Mitts, bats, masks, etc. A. J. Reach Company. 191,084; Oct. 28.
 Toys. Art Craft Fixture Co. 190,918; Oct. 28; Serial No. 195,856; published Aug. 19, 1924.

CLASS 23.

Bearings. Hill Clutch Machine & Foundry Co. 191,112; Oct. 28.
 Bearings. J. E. London & Company. 190,956; Oct. 28; Serial No. 197,822; published Aug. 12, 1924.
 Bearings, Metal. Stewart Manufacturing Corporation. 190,816; Oct. 28; Serial No. 193,140; published Aug. 19, 1924.
 Bearings, Oil retainer for. J. E. Taylor. 190,980; Oct. 28; Serial No. 199,506; published Aug. 19, 1924.
 Clutches. Hill Clutch Machine & Foundry Co. 191,113; Oct. 28.
 Concrete molds. National Stone Tile Corporation. 191,060; Oct. 28.
 Conveyers, paint and enamel application machines. C. M. S. Inc. 190,875; Oct. 28; Serial No. 197,468; published Aug. 19, 1924.
 Creamery, milk, ice-cream, condensing, and dairy plant equipment. John W. Ladd Co. 191,000; Oct. 28; Serial No. 198,874; published Aug. 19, 1924.

Engines, Compressed-air. Etablissements Français, Société Anonyme. 190,895; Oct. 28; Serial No. 190,221; published Aug. 19, 1924.
Engines, drag-saw outfits, tree-saw outfits, etc., Internal-combustion. Witte Engine Works. 190,936; Oct. 28; Serial No. 197,975; published Aug. 19, 1924.
Gears, Power reverse. Franklin Railway Supply Company. 191,057; Oct. 28.
Lathes, drills, millers, and grinders. Watson Manufacturing Co. 190,826; Oct. 28; Serial No. 191,110; published Aug. 12, 1924.
Locomotives, Railway. Holt Manufacturing Company. 190,950; Oct. 28; Serial No. 198,307; published Aug. 19, 1924.
Lubricator cups and devices. Pioneer Lubricator Corporation. 190,972; Oct. 28; Serial No. 197,618; published Aug. 12, 1924.
Pocketknife and comb, Combination. C. H. Sherman. 190,817; Oct. 28; Serial No. 193,136; published Aug. 12, 1924.
Presses and parts thereof and material-feeding attachments thereof. Printing. Lisenby Manufacturing Company. 190,892; Oct. 28; Serial No. 197,381; published Aug. 19, 1924.
Printing addresses, etc., Machines for. Addressograph Company. 191,069; Oct. 28.
Pumps and remote control valves. St. Louis Pump & Equipment Company. 190,922; Oct. 28; Serial No. 195,659; published Aug. 19, 1924.
Rakes, Lawn. Lindsay Chaplet & Manufacturing Company. 190,987; Oct. 28; Serial No. 198,413; published Aug. 19, 1924.
Screens, picking tables, cinder holsts, etc. Roberts and Schaefer Company. 190,891; Oct. 28; Serial No. 197,296; published Aug. 12, 1924.
Screens, picking tables, etc. Roberts and Schaefer Company. 190,961; Oct. 28; Serial No. 197,771; published Aug. 19, 1924.
Semaphores, Self-lighting traffic. Griswold Safety Signal Co. 190,923; Oct. 28; Serial No. 195,636; published Aug. 12, 1924.
Solids suspended in liquids, Apparatus for the treatment of. Dorr Company. 191,108; Oct. 28.
Speed transformers. Hill Clutch Machine & Foundry Company. 191,114; Oct. 28.
Valves for internal-combustion engines. Poppet. Rich Tool Company. 190,881-2; Oct. 28; Serial Nos. 196,822-3; published Aug. 19, 1924.

CLASS 26.

Barometers. Taylor Instrument Companies. 191,067; Oct. 28.
Drawing instruments. Technical Supply Company. 190,952; Oct. 28; Serial No. 198,387; published Aug. 19, 1924.
Eyeglasses and spectacles. H. H. Keene. 191,104; Oct. 28.
Gauges, manometers, etc., Pressure, indicator, and steam. Nelson Valve Company. 190,866; Oct. 28; Serial No. 177,614; published Aug. 19, 1924.
Measuring pumps and meters. Fluid. St. Louis Pump & Equipment Company. 190,921; Oct. 28; Serial No. 195,660; published Aug. 19, 1924.
Picture-projection sets or outfits, picture-projection apparatus and machines, carrying cases therefor, etc., Society for Visual Education. 190,932; Oct. 28; Serial No. 194,676; published Aug. 19, 1924.
Rules, Slide. Keuffel & Esser Company. 190,958; Oct. 28; Serial No. 197,820; published Aug. 19, 1924.
Slide rules, (Calculating). Keuffel & Esser Company. 190,957; Oct. 28; Serial No. 197,821; published Aug. 19, 1924.
Thermometers. Taylor Instrument Companies. 191,068; Oct. 28.

CLASS 29.

Windshield cleaners. B. I. Malouf. 190,969; Oct. 28; Serial No. 199,638; published Aug. 19, 1924.
Windshield cleaners. Trico Products Corporation. 190,970; Oct. 28; Serial No. 199,508; published Aug. 19, 1924.

CLASS 34.

Air-conditioning, drying, and ventilating equipment. Carrier Engineering Corporation. 190,999; Oct. 28; Serial No. 198,842; published Aug. 12, 1924.
Lamp burners and wicks. Macbeth-Evans Glass Company. 191,066; Oct. 28.
Lamps, Safety, carbide cap, and carbide hand. Wolf Safety Lamp Co. of America, Inc. 190,984; Oct. 28; Serial No. 199,411; published Aug. 12, 1924.
Radiator covers. Art Metal Products Company. 190,889; Oct. 28; Serial No. 197,241; published Aug. 19, 1924.
Radiators or heaters, Tubular. Carrier Construction Company. 190,985; Oct. 28; Serial No. 198,398; published Aug. 12, 1924.
Ranges, Fireless-cooker attachments for cooking. Chambers Manufacturing Company. 190,815; Oct. 28; Serial No. 193,271; published Aug. 12, 1924.

CLASS 35.

Belting, Leather. Western Rawhide & Beltting Co. 190,916; Oct. 28; Serial No. 196,039; published Aug. 19, 1924.

Brake linings and clutch facings. P-D Auto Parts, Inc. 190,903; Oct. 28; Serial No. 199,087; published Aug. 12, 1924.
Cars, Transmission linings for Ford. Parker and Walker. 190,946; Oct. 28; Serial No. 198,152; published Aug. 19, 1924.
Packing, Rubber. Quaker City Rubber Company. 191,101; Oct. 28, 1924.
Packings, tires, inner tubes, tire patches, belting. Société Française Trégonik. 190,870; Oct. 28; Serial No. 181,654; published Aug. 19, 1924.
Tires and tubes. Blekre Tire & Rubber Company. 191,064; Oct. 28.

CLASS 39.

Breeches. Lieberman Specialty Company. 191,006; Oct. 28; Serial No. 197,089; published Aug. 5, 1924.
Clothes, Sport. Lieberman Specialty Company. 191,005; Oct. 28; Serial No. 197,095; published Aug. 19, 1924.
Clothing, Men's. G. A. White. 191,042; Oct. 28; Serial No. 195,250; published Aug. 12, 1924.
Clothing, Outing and work. T. Kotzlin. 191,048; Oct. 28; Serial No. 164,252; published Sept. 18, 1923.
Coats, American Girl Coat Co. 191,107; Oct. 28.
Coats, Infants. Federal Underwear Co. 191,020; Oct. 28; Serial No. 171,834; published Aug. 5, 1924.
Corsets and girdles. Franco Corset Co. 191,028; Oct. 28; Serial No. 197,661; published Aug. 5, 1924.
Corsets, girdles, aprons, belts, and ladies' bloomers. M. Levin. 191,017; Oct. 28; Serial No. 193,716; published Aug. 5, 1924.
Dresses, coats, suits, scarfs, etc. M. J. Steinberg Hat & Fur Co. 191,012-13; Oct. 28; Serial Nos. 196,719-20; published Aug. 19, 1924.
Gloves. Julius Kayser & Co. 191,047; Oct. 28; Serial No. 174,208; published June 12, 1923.
Gloves. Wm. H. H. & Rice. 191,011; Oct. 28; Serial No. 196,724; published Aug. 12, 1924.
Gowns and suits, laboratory, visitors', and patients' gowns, etc., Operating. P. Tames. 191,018; Oct. 28; Serial No. 193,686; published Aug. 12, 1924.
Hat pads. Crescent Bandeau Incorporated. 191,043; Oct. 28; Serial No. 195,052; published Aug. 12, 1924.
Hats. A. S. Davenport. 191,009; Oct. 28; Serial No. 196,886; published Aug. 12, 1924.
Hats and caps. Waring Hat Manufacturing Corporation. 191,023; Oct. 28; Serial No. 159,393; published Aug. 12, 1924.
Hats, Children's. Turebin Bros. 191,024; Oct. 28; Serial No. 158,341; published Aug. 12, 1924.
Hats, Ladies'. Walter J. Hill & Co. 191,014; Oct. 28; Serial No. 196,705; published Aug. 19, 1924.
Hats, Women's and children's. Jacks and Isidor. 191,008; Oct. 28; Serial No. 196,959; published Aug. 19, 1924.
Hosiery. M. I. Stewart & Co. 191,032; Oct. 28; Serial No. 198,305; published Aug. 5, 1924.
Mufflers. Gutterman Bros. Inc. 191,030; Oct. 28; Serial No. 198,181; published Aug. 5, 1924.
Neckties. T. E. Greaney. 191,015; Oct. 28; Serial No. 195,853; published Aug. 19, 1924.
Neckties and cravats. Berkley Knitting Company. 191,019; Oct. 28; Serial No. 187,845; published Aug. 5, 1924.
Overcoats. Halek Brothers. 191,031; Oct. 28; Serial No. 198,182; published Aug. 5, 1924.
Pants, coats, breeches, etc. Hicks-Hayward Company. 191,007; Oct. 28; Serial No. 197,079; published Aug. 19, 1924.
Petticoats, step-ins, etc. Higginbotham-Bailey-Logan Company. 191,035; Oct. 28; Serial No. 198,458; published Aug. 5, 1924.
Princess slips, petticoats, bloomers, etc. Phyllis Silk Mills. 191,034; Oct. 28; Serial No. 198,325; published Aug. 5, 1924.
Pyjamas, union suits, shirts, etc. T. F. Baulig. 191,010; Oct. 28; Serial No. 196,726; published Aug. 19, 1924.
Rompers, creepers, union suits, etc., Children's. Kiddie Toys Company. 191,049; Oct. 28; Serial No. 156,580; published Aug. 12, 1924.
Shirts. H. Berger. 191,070; Oct. 28.
Shirts, Dress. Euro Shirt Co. 191,036; Oct. 28; Serial No. 198,000; published Aug. 12, 1924.
Shoes. Lunn and Sweet, Inc. 191,037; Oct. 28; Serial No. 192,132; published Aug. 19, 1924.
Shoes. Scholl Manufacturing Company. 191,089; Oct. 28.
Shoes. Seymour Troy & Co. 191,039; Oct. 28; Serial No. 196,481; published Aug. 19, 1924.
Shoes. Temko-Bass Shoe Co. 191,016; Oct. 28; Serial No. 194,753; published Aug. 12, 1924.
Shoes. Temko-Bass Shoe Co. 191,045; Oct. 28; Serial No. 194,755; published Aug. 5, 1924.
Shoes. Walker Shoe Company. 191,029; Oct. 28; Serial No. 197,787; published Aug. 12, 1924.
Shoes. Wizard Lightfoot Appliance Company. 191,026; Oct. 28; Serial No. 197,313; published Aug. 12, 1924.
Shoes and slippers. Johnstown Woolshoe Co. 191,041; Oct. 28; Serial No. 195,579; published Aug. 12, 1924.
Shoes, Ladies' and misses'. Johnson, Stephens and Shinkle Shoe Company. 191,046; Oct. 28; Serial No. 190,788; published Aug. 5, 1924.
Suits. Paul Mandel & Bro. 191,027; Oct. 28; Serial No. 197,335; published Aug. 12, 1924.

Suits and coats. Sweet-Orr & Co. 191,033; Oct. 28; Serial No. 198,209; published Aug. 5, 1924.
Suits, coats, pants, etc. I. I. Marrus. 191,059; Oct. 28.
Suits, hats and caps, etc., Boys'. R. H. White Company. 191,038; Oct. 28; Serial No. 197,404; published Aug. 12, 1924.
Underwear, bath suits, sport coats, etc. H. Loeb & Co. 191,040; Oct. 28; Serial No. 195,702; published Aug. 12, 1924.
Union suits. Oppenheim, Oberndorf & Co. 191,052; Oct. 28.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 191,080; Oct. 28.
Awning stripes and ticking. John Boyle & Company. 191,091-8; Oct. 28.
Handkerchiefs. A. Stein & Company. 191,109; Oct. 28.
Shirtings and handkerchiefs. A. Sulka & Company. 191,085; Oct. 28.
Voile, Cotton. Cohn Hall Marx Co. 191,062; Oct. 28.
Woolen fabrics in the piece. Grove Park Inn, Inc. 191,063; Oct. 28.

CLASS 44.

Cotton, cotton gauze and bandages, plasters, Absorbent. American Gauze & Cotton Company. 190,941; Oct. 28; Serial No. 198,104; published Aug. 19, 1924.
Cotton, cotton gauze and bandages, plasters, Absorbent. American Gauze and Cotton Company. 190,960; Oct. 28; Serial No. 197,793; published Aug. 19, 1924.
Denture attachments. D. Bumgardner. 190,988; Oct. 28; Serial No. 198,452; published Aug. 19, 1924.
Diapers. Pitta & Ilght. 191,061; Oct. 28.
Nipples, Rubber. Cavendish Company. 191,110; Oct. 28.

CLASS 45.

Beverages, Nonalcoholic, noncereal, maltless. Orange Crush Co. 190,821; Oct. 28; Serial No. 192,493; published Aug. 19, 1924.
Beverages sold as soft drinks and slurps for making the same. Taylor Beverage & Candy Co. 191,002; Oct. 28; Serial No. 198,891; published Aug. 12, 1924.
Ginger ale. Canada Dry Ginger Ale, Incorporated. 191,102-3; Oct. 28.

CLASS 46.

Apples and prunes. Fruitland Fruit Association. 190,884; Oct. 28; Serial No. 197,069; published Aug. 19, 1924.
Beverages, Powder for making chocolate malted-milk. Consumers Malted Milk Co. 191,044; Oct. 28; Serial No. 194,977; published Aug. 12, 1924.
Butter. Veestra Produce Co. 190,862; Oct. 28; Serial No. 170,452; published June 5, 1923.
Cake mix. Hirsch Brothers Co. 190,909; Oct. 28; Serial No. 199,003; published Aug. 12, 1924.
Candy. Bunte Brothers. 190,904; Oct. 28; Serial No. 199,038; published Aug. 12, 1924.
Candy. Loft, Incorporated. 190,945; Oct. 28; Serial No. 198,146; published Aug. 19, 1924.
Candy. Pacific Coast Biscuit Co. 190,825; Oct. 28; Serial No. 191,183; published Aug. 19, 1924.
Candy. Rowntree and Company Limited. 190,913; Oct. 28; Serial No. 196,317; published Aug. 12, 1924.
Candy. M. H. Scott Candy Company. 190,871; Oct. 28; Serial No. 182,363; published Aug. 19, 1924.
Candy. Shotwell Mfg. Co. 190,886; Oct. 28; Serial No. 197,173; published Aug. 19, 1924.
Candy bars. J. Vinikow. 191,073; Oct. 28.
Candy, candy-coated nuts, confections. W. Prentiss, Jr. 190,840; Oct. 28; Serial No. 194,475; published Aug. 19, 1924.
Candy, Coconut. Kibbe Brothers Company. 191,078; Oct. 28.
Candy lozenges. Maybreath Company. 190,931; Oct. 28; Serial No. 195,064; published Aug. 12, 1924.
Canned and cured meats and lard and tallow. Rohe & Brother. 25,549; renewed Nov. 20, 1924.
Canned beans and tomatoes. Ryan-Correll Co. 190,997; Oct. 28; Serial No. 198,765; published Aug. 19, 1924.
Canned caviar. Standard Olive Oil Company. 191,050-1; Oct. 28.
Canned caviar, caviar dressing, and fish paste. Standard Olive Oil Company. 191,083; Oct. 28.
Canned fruits and vegetables. Manteca Canning Company. 190,898-9; Oct. 28; Serial Nos. 199,172-3; published Aug. 12, 1924.
Canned goods, fruit preserves, relishes, etc. Royal Blue Stores, Inc. 190,839; Oct. 28; Serial No. 194,486; published Aug. 19, 1924.

Canned goods, tea, coffee, etc. Sisson-Seielstad-Hougen Co. 190,831; Oct. 28; Serial No. 187,232; published Aug. 19, 1924.
Canned lobster and anchovies. Aktiebolaget Sveriges Försnede Konserverfabriker. 191,086; Oct. 28.
Canned meats, spices, butter, etc. Blanchette & Gazara Corp. 190,850; Oct. 28; Serial No. 193,568; published Aug. 19, 1924.
Canned sardines. Holmes Company. 191,076-7; Oct. 28.
Chocolate. Joh. Gottl. Hauswaldt. 190,822; Oct. 28; Serial No. 192,253; published Aug. 12, 1924.
Codfish, Dried. Alberto Vales Company. 191,003; Oct. 28; Serial No. 198,894; published Aug. 12, 1924.
Coffee. J. Martinson. 190,897; Oct. 28; Serial No. 199,175; published Aug. 12, 1924.
Coffee, Green. Westfield Brothers. 190,910-12; Oct. 28; Serial Nos. 198,899-901; published Aug. 12, 1924.
Coffee, Green. Westfield Brothers. 191,004; Oct. 28; Serial No. 198,897; published Aug. 12, 1924.
Coffee, tea, spices, peanut butter, etc. Seckel-Fritchman and Company. 190,820; Oct. 28; Serial No. 192,547; published Aug. 19, 1924.
Eggs. Geo. F. Wagner Co. 190,896; Oct. 28; Serial No. 199,200; published Aug. 12, 1924.
Feed, Poultry. Quisenberry Feed Mfg. Co. 190,856; Oct. 28; Serial No. 164,265; published Apr. 3, 1923.
Feed, Stock. Moorman Mfg. Co. 190,994; Oct. 28; Serial No. 198,664; published Aug. 12, 1924.
Flour, Wheat. Kehlor Flour Mills Company. 190,859; Oct. 28; Serial No. 169,908; published July 31, 1923.
Flour, Wheat. Stanard Tilton Milling Company. 190,905; Oct. 28; Serial No. 199,026; published Aug. 12, 1924.
Fruits and vegetables, Dried and canned. United States Products Corporation. 190,872; Oct. 28; Serial No. 184,223; published Aug. 19, 1924.
Fruits, Fresh citrus. Johnston Fruit Company. 190,959; Oct. 28; Serial No. 197,817; published Aug. 19, 1924.
Ice cream. Reid Ice Cream Company. 191,053; Oct. 28.
Ice-cream confection. M. P. Papadimitriou. 190,869; Oct. 28; Serial No. 179,676; published Aug. 19, 1924.
Meat luncheon loaf, Smoked. Swift and Company. 191,079; Oct. 28.
Oil, Olive. A. Palmigiano. 190,948; Oct. 28; Serial No. 198,246; published Aug. 19, 1924.
Oranges and lemons. Tapo Citrus Association. 190,902; Oct. 28; Serial No. 199,097; published Aug. 12, 1924.
Pork and pork products. H. H. Meyer Packing Company. 190,926; Oct. 28; Serial No. 195,407; published Aug. 12, 1924.
Potatoes. Reed Bros. 190,843; Oct. 28; Serial No. 194,375; published Aug. 19, 1924.
Poultry and swine food. Western Maryland Dairy. 191,025; Oct. 28; Serial No. 199,099; published Aug. 19, 1924.
Pretzels, crackers, and cakes. Dutch Pretzel Co. 191,075; Oct. 28.
Raisins, Dried. Inderrieden Canning Co. 190,890; Oct. 28; Serial No. 197,278; published Aug. 19, 1924.
Salad dressing. F. S. Ahrens. 190,949; Oct. 28; Serial No. 198,276; published Aug. 19, 1924.
Sausages and hams. N. Maggioni Co. 191,072; Oct. 28.
Sirup. D. B. Scully Syrup Company. 190,939; Oct. 28; Serial No. 198,034; published Aug. 19, 1924.
Vegetables, grapes, melons, etc., Fresh. Pacific Trading and Transport Co. 190,954; Oct. 28; Serial No. 197,900; published Aug. 19, 1924.

CLASS 50.

Bottles, Corks and caps for. Viscose Development Company, Limited. 190,894; Oct. 28; Serial No. 199,288; published Aug. 12, 1924.
Cotton impregnated with an adhesive and used for stays and other inside parts of boots and shoes, etc. Respro Inc. 190,853; Oct. 28; Serial No. 162,200; published Aug. 12, 1924.
Flowers. F. E. Evans. 191,087; Oct. 28.
Flycatchers. E. Cotte. 190,854; Oct. 28; Serial No. 162,213; published Aug. 12, 1924.
Leather, Manufactured or substitute. Respro Inc. 190,858; Oct. 28; Serial No. 166,404; published Aug. 12, 1924.
Mother-of-pearl in bulk, Imitation. J. Palsseau. 190,849; Oct. 28; Serial No. 193,619; published Aug. 12, 1924.
Mounted specimens, taxidermists' supplies, etc. K. W. Kahmann. 190,993; Oct. 28; Serial No. 198,643; published Aug. 12, 1924.
Slate substitutes. Diamond State Fibre Company. 190,986; Oct. 28; Serial No. 198,402; published Aug. 12, 1924.
Tents and tarpaulins. Crawford-Austin Manufacturing Co. 190,942; Oct. 28; Serial No. 198,125; published Aug. 12, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. King Coal Company. 198,809; Oct. 28.
Condensation product of phenol and formaldehyde.
Kunstharzfabrik Dr. Fritz Pollak Gesellschaft m. b. H.
202,022; Oct. 28.
Corn and seed grains. Craver-Dickinson Seed Com-
pany. 202,748; Oct. 28.
Leathers. Pilster & Vogel Leather Company. 200,339;
Oct. 28.
Sand-blast sand. Orlawa Silica Co. 201,153; Oct. 28.

CLASS 2.

Bins for hardware. Steidle Manufacturing Company.
200,345; Oct. 28.
Cans. Metal. H. H. Westinghouse. 199,100; Oct. 28.
Cans. Milk. Solar-Sturges Mfg. Co. 199,025; Oct. 28.
Mail boxes. Penn. Greg Manufacturing Co. 200,277;
Oct. 28.
Pails. G. B. Lewis Company. 184,976; Oct. 28.
Paper wrappers. Eskimo Pie Corporation. 178,718;
Oct. 28.
Plate supports. Hill. Peterson & Blake. 197,433;
Oct. 28.
Receptacles for lubricants. Singer Manufacturing Com-
pany. 195,239; Oct. 28.
Receptacles. Soap. H. J. Griest. 184,028; Oct. 28.
Sacks, bags, cartons, etc. Rope Paper Sack Mfgs. Assn.
188,612; Oct. 28.
Sacks, bags, cartons, etc. Rope Paper Sack Mfgs. Assn.
188,933; Oct. 28.
Tanks. Steel. Pressed Steel Tank Company. 200,278;
Oct. 28.
Vanity cases. Superior Novelty Mfg. Co. 196,142;
Oct. 28.

CLASS 3.

Baggage and luggage carriers and racks. H. E. Wil-
liams Products Co. 199,027; Oct. 28.
Bags. Ladies' hand. Unique Leather Goods Company.
199,960; Oct. 28.
Halters. Johnson Ideal Halter Co. 191,489; Oct. 28.
Trunks, traveling cases, boxes, baskets. E. J. Cum-
mings. 191,010; Oct. 28.

CLASS 4.

Belt dressing. Machinery. Main Belting Company.
202,127; Oct. 28.
Cleaning solution for fabrics. Toledo Chemical & Supply
Company. 201,600; Oct. 28.

CLASS 5.

Adhesives. Arabol Mfg. Co. 198,216; Oct. 28.
Powder, to hold false teeth firmly in place. Wernet
Dental Mfg. Co. 200,415; Oct. 28.

CLASS 6.

Alcohol. Denatured. Brooklyn Alcohol Corporation.
202,047-8; Oct. 28.
Ant poison. L. A. Mattes. 200,054; Oct. 28.
Bay rum, face cream, hair tonic, etc. Eff-Dee Products
Co. 202,442; Oct. 28.
Beauty clay, face powder, tonic, etc. P. W. Brain.
199,743; Oct. 28.
Bedbug and cockroach killer. W. K. and B. 201,911;
Oct. 28.
Chemical motor-fuel ingredient to be mixed with gaso-
line. Anzoleu Products Company. 202,733-4; Oct. 28.
Compound used as a wood preservative and a weed
killer. J. K. Firth, Jr. 202,697; Oct. 28.
Cough, syrup, general system tonic and blood purifier,
and salve. M. M. Fairbanks. 194,531; Oct. 28.
Cream. Face. D. Z. Denny. 167,297; Oct. 28.
Foot powder. H. C. Witz. 202,538; Oct. 28.
Laxative. H. J. Koehn. 202,755; Oct. 28.
Medicinal compounds. S. L. Summers. 199,583; Oct. 28.
Medicinal compounds. S. L. Summers. 200,347; Oct. 28.
Medicinal preparation. Mrs. E. A. Butler. 200,542;
Oct. 28.
Medicine for stomach trouble. N. Farrinelli. 201,255;
Oct. 28.
Medicine. Internal. Oliver and Sherrod Hog Cholera
Medicine Co. 202,302; Oct. 28.
Mouth washes. J. R. Watkins Company. 202,729;
Oct. 28.
Ointment. Lambros & Sons. 202,255; Oct. 28.
Powder, cold cream, toilet water, etc., Face. The Ar-
row. 179,345; Oct. 28.
Powder for the treatment of headache and neuralgia. L.
I. Hoch. 202,062; Oct. 28.
Preparation for dandruff and kindred diseases. Eff-Dee
Products Co. 202,334; Oct. 28.
Preparation for dandruff and scalp treatment. Chemical.
Welch Laboratories. 202,471; Oct. 28.
Preparation for relief of hay fever, asthma, etc. Cox
Laboratories, Inc. 201,890; Oct. 28.

Preparation for the correction of all female derange-
ments. J. S. Merrell Drug Company. 199,794;
Oct. 28.
Preparation for the feet. F. L. Sondermann. 198,158;
Oct. 28.
Preparation for the treatment of kidney, liver, and stom-
ach troubles, etc. M. Guttman. 202,058; Oct. 28.
Preparation for the treatment of rheumatism, colds, and
coughs. M. Hillman. 190,158; Oct. 28.
Preparation to be added to the bath. J. Worlicke.
200,234; Oct. 28.
Remedy for headache, nervousness, and neuralgia. A. L.
Challenger. 189,033; Oct. 28.
Rouges. Guy T. Gibson, Incorporated. 202,204; Oct. 28.
Salts for electrolytic plating. Metallic. Grasselli Chem-
ical Company. 202,553; Oct. 28.
Salve. D. W. Walters. 202,159; Oct. 28.
Vegetal compact powder, sachet, bath salts, etc. Cher-
any, Inc. 202,329; Oct. 28.
Waterproofing composition. F. J. Burch Mfg. Co.
195,332; Oct. 28.

CLASS 10.

Plant food and fertilizers. Smith Agricultural Chemical
Company. 202,521-2; Oct. 28.

CLASS 12.

Insulating materials. Heat. Armstrong Cork & Insula-
tion Company. 201,170; Oct. 28.
Roofing felt and cement, shingles, etc. Barber Asphalt
Paving Company. 166,763; Oct. 28.
Wall board. Five-ply. National Mill & Lumber Company.
185,374; Oct. 28.
Weather stripping. D. W. Bosley Company. 198,611;
Oct. 28.

CLASS 13.

Wire fence. Page Steel & Wire Company. 202,416;
Oct. 28.

CLASS 14.

Castings. Manganese-steel. Pettibone Mulliken Co.
202,220; Oct. 28.
Steels. Tool. A. Jacques. 201,599; Oct. 28.

CLASS 15.

Oil. Motor fuel. White Star Refining Company. 201,869;
Oct. 28.
Oils and lubricating greases. Standard Oil Company
(New Jersey). 201,723; Oct. 28.
Oils, greases, candles, etc. Atlantic Refining Company.
202,607; Oct. 28.
Petroleum products. Wilshire Oil Company. 199,915;
Oct. 28.

CLASS 16.

Lacquer for automobile and other vehicle bodies. Coating.
Beckwith-Chandler Company. 201,736; Oct. 28.
Paint. Lowe Brothers Company. 201,901; Oct. 28.
Paint and varnish removers. B. P. Romanowski.
201,774; Oct. 28.
Polish. Furniture, etc. Wood-Land-Mist Products Co.
193,148; Oct. 28.
Varnish. Berry Brothers, Inc. 201,829; Oct. 28.

CLASS 19.

Automobiles and the like. Shock-absorbing devices for.
Automotive Hardware Corporation. 201,793; Oct. 28.
Glare shields. R. Downing. 201,610; Oct. 28.
Shock absorbers. Hondaille Company. 200,946; Oct. 28.
Shock absorbers, luggage carriers, slat irons. Brewer-
Titchener Corporation. 180,745; Oct. 28.
Vehicles and railway cars. Road. "Sentinel" Waggon
Works (1920) Limited. 176,859; Oct. 28.

CLASS 22.

Bicycles and parts thereof. F. D. Wendell. 189,650;
Oct. 28.
Balls. Averill Manufacturing Corporation. 194,244;
Oct. 28.
Toy balloons. Oak Rubber Company. 195,709; Oct. 28.

CLASS 23.

Canning machines. Ayars Machine Co. 195,149; Oct. 28.
Clear, cigarette, and tobacco machinery and parts there-
of, wrapping machinery and parts thereof, etc. Ameri-
can Machine & Foundry Co. 202,540; Oct. 28.
Compressors, pumps, etc. Air. P. K. Lindsay. 201,668;
Oct. 28.
Dies. Cutting. O. M. Savels. 202,223; Oct. 28.
Elevator fire doors and door operators, etc. Peelle Com-
pany. 202,140; Oct. 28.
Emery-wheel dressers. G. W. Osborn. 201,254; Oct. 28.
Engines. Oilers for automobile. Richards-Stanley Mfg.
Co. 202,641; Oct. 28.
Handles. Ax. adz. etc. Hartwell Brothers. 202,231;
Oct. 28.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Lubricating devices and systems. S. F. Dale. 194,396;
Oct. 28.
Materials. Machines for excavating and handling. W.
R. Glasgow. 202,447; Oct. 28.
Metal sheets and plates, Perforated. Diamond Manu-
facturing Company. 200,433; Oct. 28.
Motors and parts thereof, tractors, etc. Société Anonyme
des Usines Renault. 191,646; Oct. 28.
Motors, door shoes, etc., Pneumatic. National Pneumatic
Company. 199,566; Oct. 28.

CLASS 26.

Air meters. Mattman & Sinclair Co. 199,073; Oct. 28.
Brake-testing devices. C. F. Cowdrey. 201,653; Oct. 28.
Cameras. Motion picture. Bell & Howell Company.
201,485; Oct. 28.
Lenses. Ophthalmic. Optical Development Corporation.
201,370; Oct. 28.
Opera and field glasses. Marshall Field & Company.
202,128; Oct. 28.
Picture films. Motion. Consolidated Film Industries,
Inc. 200,983; Oct. 28.
Scales, Weighing. Continental Scale Works. 187,998;
Oct. 28.
Spectacles, goggles, and lenses therefor. L. M. Prince
Company. 201,257; Oct. 28.

CLASS 31.

Ice machines and refrigerators. Hibbard Company.
183,070; Oct. 28.

CLASS 34.

Burners. Hydrocarbon. American Stove Company.
196,222; Oct. 28.
Fire doors. Franklin Railway Supply Company.
183,473; Oct. 28.

CLASS 35.

Belting. Leather machine. Hide, Leather & Belting Co.
200,496; Oct. 28.
Tire patches. Barnett and Owen. 193,985; Oct. 28.
Tire patches. R. L. Peugh. 199,089; Oct. 28.
Tires. Vehicle. Goodyear Tire & Rubber Company.
202,749; Oct. 28.

CLASS 37.

Cards for indexes, etc. Library Bureau. 198,650-1;
199,855; Oct. 28.
Chalk. elastic bands, etc. Schwan-Bleistift-Fabrik A.-G.
Oct. 28.
Chalk, gold pens, etc. Schwan-Bleistift-Fabrik A.-G.
199,857; Oct. 28.
Envelopes. H. P. Andrews Paper Company. 198,531;
Oct. 28.
Envelopes. Berlin & Jones Company. 199,519; Oct. 28.
Forms, Blank. J. I. Edwards. 198,226; Oct. 28.
Memorandum and calendar pads and stands or holders
therefor. Universal Office Devices Co. 183,012;
Oct. 28.
Paper. Newton Falls Paper Company. 198,245;
Oct. 28.
Paper and envelopes, Writing. Edw. Malley Co. 199,236;
Oct. 28.
Paper, Butchers' waterproof wrapping. Adams Paper &
Specialties Company. 201,422; Oct. 28.
Paper, Enameled book. Martin Cantine Co. 199,708;
Oct. 28.
Paper for bank checks, bonds, etc. Walther & Company.
191,651; Oct. 28.
Paper, Wrapping. Diem & Wing Paper Co. 186,882;
Oct. 28.
Paper, Wrapping. Fisher Bros. Paper Co. 199,419;
Oct. 28.
Paper, Writing. Parsons Paper Company. 199,570;
Oct. 28.
Pencils. Schwan-Bleistift-Fabrik A.-G. 199,853; Oct. 28.
Pencils, chalk, etc. Schwan-Bleistift-Fabrik A.-G.
199,854; Oct. 28.
Pencils, Combined clip and knife for. J. Schick. 198,089;
Oct. 28.
Pencils, paper, and stationery. Fabrique Suisse de Cra-
yons Caran d'Ache. 199,547; Oct. 28.
Pens, pencils, and attachments therefor. M. V. Wenzel.
193,144; Oct. 28.
Tailles, score pads, and party invitations. Buzza Com-
pany. 195,734; Oct. 28.
Tracing cloth. Arkwright Finishing Company. 187,077;
Oct. 28.

CLASS 38.

Publications. Periodical. Trustees of the Principia.
176,372; Oct. 28.

CLASS 39.

Bath robes and negligees. E. M. Autoonian. 198,607;
Oct. 28.
Caps, Boudoir. William Strauss, Inc. 198,094; Oct. 28.
Clothing. House of Brooks. 201,134; Oct. 28.
Clothing. E. L. Ilson. 184,134; Oct. 28.
Coats, vests, outing suits, etc., Hunting. Lieberman Spe-
cialty Company. 197,096; Oct. 28.
Corsets and girdles. Thompson-Barlow Co. 200,695;
Oct. 28.

Corsets, Reducing. B. Cervelli. 199,347; Oct. 28.
Cravats. Weiss & Zahler. 200,973; Oct. 28.
Dresses. Aronson and Sendrowitz. 195,670; Oct. 28.
Dresses. A. H. Hunter. 202,344; Oct. 28.
Dresses, frocks, bath robes, etc., Uniform. L. M. Cooker.
199,040; Oct. 28.
Fur coats, capes, and jaquettes. Schaffer Bros. &
Samuels. 198,588; Oct. 28.
Furs. A. Winner. 200,794; Oct. 28.
Hats. J. Jerleho. 201,757; Oct. 28.
Hats and caps, underwear, hosiery, etc. E. Scavini.
198,382; Oct. 28.
Hats and derbies. Straw. Boyd-Richardson Company.
198,235; Oct. 28.
Hats, Ladies'. Markstein Brothers Millinery Company.
191,892; Oct. 28.
Hats, Ladies'. Stronge and Warner Company. 201,894;
Oct. 28.
Hats, Men's. L. Hamberger & Co. 201,800; Oct. 28.
Hats, Trimmed. Lynn-Kerr & Co. 196,127; Oct. 28.
Heels. Goodyear Tire & Rubber Company. 183,507;
Oct. 28.
Hosiery. Brooklyn Hosiery Mills. 193,321; Oct. 28.
Hosiery. T. E. Brown. 192,062; Oct. 28.
Hosiery. Cadet Knitting Company. 202,379; Oct. 28.
Hosiery. Carson Pile Scott & Co. 201,888; Oct. 28.
Hosiery. Elm Tree Hosiery, Incorporated. 200,676;
Oct. 28.
Hosiery. Four Square Hosiery Co. 198,772; Oct. 28.
Hosiery. Milwaukee Knitting Mills. 198,954; Oct. 28.
Hosiery. States Hosiery Mfg. Co. 201,908; Oct. 28.
Hosiery, sweaters, knitted underwear. Hosiery Manu-
facturers Sales Co. 195,172; Oct. 28.
Lining for leather boots, etc., Inner. Charles Chabot
Co. 199,345; Oct. 28.
Overalls. Weissbaum Bros.-Brower Co. 199,869; Oct. 28.
Overalls. Theo. Weiss & Company. 201,728; Oct. 28.
Petticoats, bloomers, and princess slips. Marvel Maid
Garment Co. 202,560; Oct. 28.
Shirts. Chmett, Peabody & Co. 202,439; Oct. 28.
Shirts. Colonial Shirt Co. 198,564; Oct. 28.
Shirts and collars. Earl & Wilson. 197,730; Oct. 28.
Shirts and pyjamas. Pine Tree Shirt Co. 176,034;
Oct. 28.
Shirts, night wear, and underclothing. A. Ries. 200,058;
Oct. 28.
Shoes. J. J. Daly. 200,137; Oct. 28.
Shoes. J. J. Lattemann Shoe Mfg. Co. 197,885; Oct. 28.
Shoes. Reym Shoe Mfg. Co. 200,224; Oct. 28.
Shoes. E. K. Woodrow. 194,038; Oct. 28.
Shoes. Leather. C. C. Blake, Incorporated. 201,425;
Oct. 28.
Shoes. Women's. Brauer Bros. Shoe Company. 199,605;
Oct. 28.
Slippers. International Shoe Company. 202,119;
Oct. 28.
Stockings. Infants'. Carson Pile Scott & Co. 201,883;
Oct. 28.
Suits and coats. R. M. Prince. 185,379; Oct. 28.
Suits and overcoats, Men's and boys'. Sol. Zion & Co.
200,796; Oct. 28.
Suits, overcoats, and knickerbockers, Boys'. Herman
M. Joel & Son. 202,296; Oct. 28.
Suits, overcoats, hats, etc. P. Thomson. 200,696;
Oct. 28.
Sweaters and underwear. S. Shapinsky and Company.
199,188; Oct. 28.
Ties and cravats. Friedman Bros. & Son Neckwear Com-
pany. 178,438; Oct. 28.
Undergarments. Franklin Simon & Co. 201,100; Oct. 28.
Underwear. Cartersville Mills. 200,928; Oct. 28.
Underwear. Duofold Health Underwear Company.
202,245; Oct. 28.

CLASS 42.

Blankets and material, Textile. Esmond Mills. 201,063;
Oct. 28.
Cheesecloth. Lewis Manufacturing Company. 201,708;
Oct. 28.
Cotton piece goods. John J. Strassel & Son Inc. 201,863;
Oct. 28.
Furniture coverings, etc. Fay-McKinnon Company.
197,926; Oct. 28.
Hair nets. New York Merchandise Company. 167,141;
Oct. 28.
Hair nets. United Drug Company. 201,601; Oct. 28.
Ribbons. Kaltenbach & Stephens Inc. 201,348; Oct. 28.
Shading in the piece, Window. O. F. Weigand.
201,787; Oct. 28.
Sheets, sheetings, and pillowcases. Dry Goods Alliance,
Inc. 201,655; Oct. 28.
Silk fabrics. Golding Fabrics Corporation. 201,658-60;
Oct. 28.
Silk piece goods. B. Altman & Co. 201,318; Oct. 28.
Silk piece goods. Chopak Textile Co. 201,649; Oct. 28.
Silk piece goods. Roseto Company. 201,775-6; Oct. 28.
Woolen piece goods. Strong, Hewat & Co. 201,779;
Oct. 28.
Woolen piece goods. Worumbo Manufacturing Company.
201,872-3; Oct. 28.

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CLASS 44.

Depilatories, Electrical. R. Hutter. 200,817; Oct. 28.
Electrosurgical apparatus for dissection, etc. Acme-International X-Ray Co. 198,494; Oct. 23.
Fume generating and inhaling apparatus. J. F. Class. 201,541; Oct. 28.
Inhalers, Chlorine-gas. U. S. Chlorinhaler Company. 202,568; Oct. 28.

CLASS 45.

Beverage. W. C. Peeler. 201,853; Oct. 28.
Beverage. Strawberry Company of America. 202,039; Oct. 28.
Beverages. Lime-Cola Bottling Company of Atlanta, Ga. 200,267; Oct. 28.
Beverages and sirups for making same. F. E. Eick. 202,164; Oct. 28.
Beverages and sirups for the same. Noxage Co. 201,818; Oct. 28.
Beverages, bottlers' sirups, etc. S. Kurlander. 201,565; Oct. 28.
Beverages sold as soft drinks and sirups for making the same. A. W. Hodgman. 201,403; Oct. 28.
Ginger ale. Francis H. Leggett & Company. 201,930; Oct. 28.

CLASS 46.

Anchovies, Salted. Productores y Exportadores Españoles, S. A. 195,986; Oct. 28.
Beef, bouillon cubes, breakfast cereals, etc., Sliced dried. Wag Foods, Inc. 196,089; Oct. 28.
Beef, mutton, veal, etc. Federal Packing Company. 180,849; Oct. 28.
Beef, sheep, and hog casings. Gus v. Brecht Butchers' Supply Company. 193,659; Oct. 28.
Bread. Purity Baking Co. 193,420; Oct. 28.
Candy. Cardinet Candy Co. 196,292; Oct. 28.
Candy. Gardner Candy Company. 198,857; Oct. 28.
Candy. King Candy Co. 201,244; Oct. 28.
Candy. Richards-Scheible Candy Co. 200,780; Oct. 28.
Candy. G. E. Smith. 196,079; Oct. 28.
Candy. Base or filler for. White Stokes Co. 201,120; Oct. 28.
Canned fruits and vegetables, and dried fruits. Hunt Brothers Packing Company. 186,641; Oct. 28.
Canned goods, mince-meat, and vinegar. Geyer & Adams Company. 178,999; Oct. 28.
Canned red peppers. Great Atlantic and Pacific Tea Company. 178,386; Oct. 28.
Canned tunny fish, olive oil, tomato paste, and macaroni. T. Pipitone. 195,972; Oct. 28.
Canned vegetables and fruits, rolled oats, etc. H. T. Cottam & Company. 197,994; Oct. 28.
Chicks, Baby. L. Taylor. 201,781; Oct. 28.

Coffee and peanuts. Lewis, Hubbard and Company. 185,711; Oct. 28.
Eggs, live poultry, and baby chicks. R. C. Miller. 190,800; Oct. 28.
Flavoring extracts. Capitol Chemical Co. 187,298; Oct. 28.
Flavoring extracts. Virginia Dare Extract Company. 200,040; Oct. 28.
Flour, Granular wheat. North Dakota Mill and Elevator Association. 195,588; Oct. 28.
Flour, Wheat. R. M. Benton. 199,518; Oct. 28.
Food, Packages of breakfast. Zorah Company. 201,018; Oct. 28.

Grapes. A. J. Sturtevant, Jr. 201,780; Oct. 28.
Grapes, Fresh. Fresno Grape Distributors. 200,194; Oct. 28.

Ice cream. Imperial Ice Cream Company. 201,033; Oct. 28.

Mayonnaise and relish. Frank Hurwitz & Sons. 201,242; Oct. 28.

Meal, Corn. Black & White Milling Company. 197,862; Oct. 28.

Milk, Evaporated. Amboy Milk Products Co. 201,527; Oct. 28.

Milk, Evaporated. J. P. Grant. 201,435; Oct. 28.

Mince-meat. Merrell-Soule Company. 185,304; Oct. 28.

Onions. A. Rosenblum & Son, Inc. 202,182; Oct. 28.

Oranges, Prepared. H. G. Mayes. 181,643; Oct. 28.

Peaches and grapes. L. R. Hamilton. 201,611; Oct. 28.

Pies, cakes, and doughnuts. G. L. Rushton. 179,058; Oct. 28.

Pop corn, and candy, Candied. Beach Corn-Poppers, Inc. 202,197; Oct. 28.

Pop corn, Sweetened. G. W. Wachtstetter. 170,419; Oct. 28.

Sirup, Maple-sap. Cary Maple Sugar Co. 200,244; Oct. 28.

Vegetables, Fresh. Biggar-Padgett Company. 199,928; Oct. 28.

CLASS 50.

Cork molding blankets used in the molding of dry mats. Certified Dry Mat Corporation. 198,615; Oct. 28.

Fiber, Vulcanized. Diamond State Fibre Company. 201,923; Oct. 28.

Flags. Annin & Co. 201,607; Oct. 28.

Fly swatters. U. S. Manufacturing Corporation. 175,173; Oct. 28.

Matrices, Prepared stereotype dry. Brooks Paper Company. 200,846; Oct. 28.

Tents. Fulton Bag & Cotton Mills. 192,611; Oct. 28.

Traps, Animal. Reliance Machine & Stamping Works, Inc. 201,858; Oct. 28.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disk-type insulator. 1,513,206; Oct. 28.
Ablahadlan, Eleeza, Glendale, Calif. Test tube for clinical and bacteriological laboratories. 1,513,360; Oct. 28.
Ackerman, Frank, St. Louis, assignor to Curtis & Company Manufacturing Company, Wellston, Mo. Automatic belt tightener. 1,513,473; Oct. 28.
Adams Bag Company, The. (See Trundle, G. T., Jr., and Carlson, assignors.)
Adams, Clarence F., Dayton, Ohio. Gas-cylinder valve. 1,513,020; Oct. 28.
Adams, Donald W. (See Ludlow, G. H., and Adams.)
Adams, Frank E., Lower Beblington, England. Opening means of or for sheet-metal boxes. 1,513,525; Oct. 28.
Advance Automobile Accessories Corporation. (See Cory, H., and Gray, assignors.)
Advance-Rumely Company. (See Secor, John A., assignor.)
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Half-duplex Morse carrier system. 1,513,441; Oct. 28.
Alkman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Motor-controlling device. 1,512,898; Oct. 28.
Alrey, Thomas S., Elmhurst, N. Y. Pressure-operated circuit closer. 1,513,361; Oct. 28.
Aktiebolaget Atlas Diesel. (See Handerz, Hjalmar J., assignor.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Albough-Dover Company. (See Eden, Harold W., assignor.)
Album, Adolph Y. S., Maywood, Ill. Match box. 1,513,081; Oct. 28.
Alexander, Jesse, assignor of one-third to W. J. Hollingsworth, Clinton Township, Vermillion County, Ind. Baling press. 1,513,573; Oct. 28.
Allen, Howard G., assignor to The J. L. Morrison Company, Inc., Niagara Falls, N. Y. Ratchet mechanism. 1,513,021; Oct. 28.
Allen, Louis M., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,513,362; Oct. 28.
Allen, Walter B., Worcester, assignor to Craftex Company, Boston, Mass. Interior wall finish. 1,513,207; Oct. 28.
Allenbaugh, George G., assignor of one-half to T. E. Taylor, Mansfield, Ohio. Timepiece. 1,513,526; Oct. 28.
American Bank Note Company. (See Marquardt, Frank C., assignor.)
American Chair Company. (See Conner, Edward A., assignor.)
American Cyanamid Company. (See Charlton, Harry W., assignor.)
American Cyanamid Company. (See Landis, W. S., and Buchanan, assignors.)
American Fibre Coöperage Company. (See Watson, M., and Smith, assignors.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Machine & Foundry Company. (See Smith, Elberon D., assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Hitchcock, Harry W., assignor.)
American Telephone and Telegraph Company. (See Shanck, Roy B., assignor.)
American Washing Machine Company. (See Pletsch, Henry, assignor.)
Anderson, Andrew, and V. Axelson, Sacramento, Calif. Flowerpot. Des. 65,842; Oct. 28.
Anderson, James H. (See Menefee, Chalmers C. and E., assignors.)
Anderson, William M., Minneapolis, Minn. Expansion and compensating device for valve-actuating mechanism. 1,513,719; Oct. 28.
Anasco Photoproducts, Inc. (See Pawley, John B., assignor.)
Anthracite Motor Sales Co. (See Pelfer, Guy H., assignor.)

Ardovino, Aristide, Naples, Italy. Combined alarm clock and article heater. 1,513,685; Oct. 28.
Armstrong Machine Works. (See Goff, Leonard D., assignor.)
Arndt, Franklin E., assignor to The Gallon Iron Works and Manufacturing Company, Gallon, Ohio. Adjustable stone distributor. 1,513,208; Oct. 28.
Arneson, Charles E., Sioux Falls, S. Dak. Shock absorber. 1,513,686; Oct. 28.
Arnold, William E., Omaha, Nebr. Lawn-mower sharpener. 1,513,527; Oct. 28.
Asbestos Shingle Company. (See Macleldowie, John C., assignor.)
Associated Equipment Company, The. (See Edwards, Charles K., assignor.)
Atlantic Knitting Mills. (See Strassner, Conrad R., assignor.)
Autoyre Company, The. (See Lewis, Arthur J., assignor.)
Ayres, Elwood B., and A. O. Hurxthal, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Drier. 1,513,474; Oct. 28.
Axelson, Victor. (See Anderson, A., and Axelson.)
Baccelleri, Raffaele, Philadelphia, Pa. Ratchet mechanism. 1,513,209; Oct. 28.
Bacon, Chester A., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricator and filler therefor. 1,513,687; Oct. 28.
Bacon, William M., assignor to E. S. Kyle, Chicago, Ill. Printing machine. 1,513,082; Oct. 28.
Behrmayer, Aitaur, Mannheim, Germany. Indicator and recorder for high pressure. 1,513,022; Oct. 28.
Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
Baker, Reuben C., Cerringa, assignor to Baker Casing Shoe Company, Los Angeles, Calif. Clean-out ball. 1,513,083; Oct. 28.
Baker Valve Company. (See Olney, George W., assignor.)
Ball and Socket Manufacturing Company, The. (See Goddard, Charles A., assignor.)
Ball, John W. (See Bynum, L. G., and Ball.)
Bamber, Herbert W., London, England. Producer-gas scrubber. 1,513,528; Oct. 28.
Banan, Horace F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,513,210; Oct. 28.
Barany, Edmund R., Brooklyn, N. Y., assignor to Franco Electric Corporation. Flash light. 1,513,211; Oct. 28.
Barbeau, Malcolm L., and R. Powis, assignors to S. Howes Company, Inc., Silver Creek, N. Y. Adapter for eccentric drives, etc. 1,513,084; Oct. 28.
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Web-feeding mechanism. 1,513,574; Oct. 28.
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Folding mechanism. 1,513,575; Oct. 28.
Barbet, Emile A., Paris, France. Process and apparatus for concentrating grape juices. 1,513,305; Oct. 28.
Bardin, David B. (See McCleenny, R. J., and Bardin.)
Barrett, William R., New York, N. Y. Fabric cutter. 1,513,688; Oct. 28.
Barrows, Allan S., Chicago, Ill. Sheet-metal door. 1,513,363; Oct. 28.
Bartlett, Francis A., Stamford, Conn. Package. 1,513,148; Oct. 28.
Bartlett, Virgil M., Silver Point, Tenn. Hand grab. 1,513,023; Oct. 28.
Batchelor, Charles L., Portland, Oreg. Automobile bumper. 1,513,149; Oct. 28.
Bate, Thomas C., et al. (See Jackson, Maunsell B., assignor.)
Baumann, Emil L., Munich-Gladbach, and H. Schumacher, Neuss, Germany. Reamer head. 1,513,024; Oct. 28.
Baxter, Maxwell H., Charleston, S. C. Apparatus for making ice. 1,513,680; Oct. 28.
Baxter, William J., New York, N. Y. Printed cotton fabric. 1,513,306; Oct. 28.
Beal, Ralph B. (See Smith, R. H., and Beal.)
Beale, John H., and L. Kinch, Eugene, Oreg. Speed ratchet wrench. 1,513,212; Oct. 28.
Bears, Daniel S., assignor to Reliance Manufacturing Co., Providence, R. I. Belt buckle. 1,513,304; Oct. 28.
Beatty, Edward, Brooklyn, N. Y. Helicopter. 1,513,529; Oct. 28.

Bondett, Aleide E., Albuquerque, N. Mex. Folding table. 1,513,159; Oct. 28.
 Reaven, William J., et al. (See Conaghan, Billy F., assignor.)
 Becker, John H. (See Hanney, T., and Becker.)
 Becker, Wilhelm, Bremen, Germany. Anchor. 1,513,025; Oct. 28.
 Bellock, Max, New York, N. Y. Mastoid bandage. 1,512,899; Oct. 28.
 Belais, David, New York, N. Y. Making finger rings. 1,513,213; Oct. 28.
 Bell, Alonzo R., Spokane, Wash. Course indicator. 1,513,026; Oct. 28.
 Bell, Elmer, assignor to Bryce Brothers Company, Mount Pleasant, Pa. Pitcher. Des. 65,843; Oct. 28.
 Bell, John C., London, England. Massage appliance. 1,513,475; Oct. 28.
 Bell, John V., Uffton, N. J. Card holder. 1,513,027; Oct. 28.
 Bennett, Irving T., Brooklyn, N. Y., and G. H. Phelps, Warehouse Point, Conn., assignors to T. E. Murray, Brooklyn, N. Y. Crank shaft or the like. 1,512,973; Oct. 28.
 Benols, Edouard P., Paris, France, assignor to Coty, Inc., New York, N. Y. Lip-stick holder. Des. 65,844; Oct. 28.
 Benoit, Albert L., Olsterwijk, Netherlands. Purifying liquids. 1,513,690; Oct. 28.
 Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dumping cars. 1,513,576; Oct. 28.
 Bente, Emil, and P. Stuhlmann, Barmen, Germany, assignors to M. Henkels, New York, N. Y. Lace with net or tullelike groundwork. 1,513,577; Oct. 28.
 Bente, Emil, and P. Stuhlmann, Barmen, Germany, assignors to M. Henkels, New York, N. Y. Lace with stellated meshes. 1,513,578; Oct. 28.
 Bergeron, Alfred, Woonsocket, R. I. Valve-operating mechanism. 1,512,900; Oct. 28.
 Bergeron, Alfred, Woonsocket, R. I. Valve-operating mechanism. 1,512,901; Oct. 28.
 Berglund, Edward S., Djursholm, assignor to Trollhättans Elektrotekniska Aktiebolag, Stockholm, Sweden. Refining lead. 1,513,307; Oct. 28.
 Berry, George A., Modesto, Calif. Sash lock. 1,513,308; Oct. 28.
 Besser, Herman and J. H., Alpena, Mich. Cement-block machine. 1,512,974; Oct. 28.
 Besser, Jesse H. (See Besser, Herman and J. H.)
 Betts, William B., Johnson City, N. Y. Combined computing and record tape. 1,513,214; Oct. 28.
 Betts, William B., Johnson City, N. Y. Recording and wage-computing clock. 1,513,215; Oct. 28.
 Bibeau, A. V., et al. (See Wilson, Robert R., assignor.)
 Bizzie, Joseph, Erie, Pa. Crossing signal. 1,513,085; Oct. 28.
 Bishop, William M., Beaufort, S. C. Advertising device. 1,513,151; Oct. 28.
 Blsoll, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Combined fuse and switch block. 1,513,691; Oct. 28.
 Blsoll, David J., Jr., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash. Direction valve for automatic train-control apparatus. 1,513,028; Oct. 28.
 Dixey, Walter. (See Hathaway, E. F. and Dixey.)
 Bladen, John T. (See Knoch, Conrad, Jr., assignor.)
 Blinn, James, Springfield, Mo. Cheese cutter. 1,513,476; Oct. 28.
 Blas, Henry E. E. V., Marlow, England. Steering gear. 1,513,530; Oct. 28.
 Blohm, George C., South Bend, Ind. Sheathing material. 1,513,365; Oct. 28.
 Boel Company, The. (See Fischer, Frank V., assignor.)
 Bohlander, Heinrich, Cologne-on-the-Rhine, Germany. Heat-insulating lagging. 1,513,723; Oct. 28.
 Bohlsson, Christian, Oskosh, Wis. Headlight dimmer for automobile headlights. 1,513,216; Oct. 28.
 Bolgiano, John F., Dayton, Ohio. Differential-locking device. 1,513,029; Oct. 28.
 Bonnell, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. 1,513,477; Oct. 28.
 Boothby, Jonathan, Menomonie, Wis. Printing-press attachment. 1,513,442; Oct. 28.
 Borgstede, Elmer F., Napoleon, Ind. Tractor plow. 1,513,366; Oct. 28.
 Bourque, David, assignor to G. W. J. Murphy Company, Amesbury, Mass. Tool for use on noncircular work. 1,513,478; Oct. 28.
 Bowen Products Corporation. (See Bacon, Chester A., assignor.)
 Bowers, Robert R., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay press. 1,513,579; Oct. 28.
 Boyce, John E., Yonkers, N. Y., assignor to Otis Elevator Co., Jersey City, N. J. Self-leveling elevator. 1,513,531; Oct. 28.
 Boyd, Granville M., Spokane, Wash. Portable propeller. 1,512,902; Oct. 28.
 Boynton, Alexander, San Antonio, Tex. Baller bottom. 1,513,030; Oct. 28.
 Boynton, Alexander, San Antonio, Tex. Baller. 1,513,443; Oct. 28.

Boyd, George W., Nashville, Tenn. Tire-mounting device. 1,513,479; Oct. 28.
 Bradley, James F., Lombard, Ill. Pump. 1,513,480; Oct. 28.
 Brede, Martin H., Minneapolis, Minn. Gasoline-supply lock. 1,513,481; Oct. 28.
 Brégent Corporation of America. (See Brégent, Jean H., assignor.)
 Brégent, Jean H., Paris, France. Recovery of volatile solvents and other materials from gas mixtures. 1,513,153; Oct. 28.
 Brégent, Jean H., Paris, France, assignor to Brégent Corporation of America, Wilmington, Del. Removal of phenols in solvent-recovery process. 1,513,152; Oct. 28.
 Brennan, Dennis J., Germantown, and J. J. Gilroy, Lost Creek, Pa. Hack-saw-blade holder. 1,512,904; Oct. 28.
 Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Shock absorber. 1,512,903; Oct. 28.
 Brice, John F., Bensalem Township, Bucks County, Pa. Valve action. 1,513,692; Oct. 28.
 Bright, John L., Villa Nova, Pa. School building and method of seating. 1,512,975; Oct. 28.
 Bringle, Floyd E. (See Holmes, C., and Bringle.)
 Brix, Harold M., Chicago, Ill., assignor to Sharp & Smith, Stomach clamp. 1,513,367; Oct. 28.
 Brown & Higelow. (See Kristofek, Frank J., assignor.)
 Brown, Frank D., Batavia, N. Y. Pneumatic cleaner for beans and the like. 1,513,482; Oct. 28.
 Brown, Oliver M., Kansas City, Mo. Device for removing and replacing engine cam shafts and bushings. 1,513,031; Oct. 28.
 Bruck, Robert L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for making hollow articles. 1,513,050; Oct. 28.
 Brunell, Homer A. (See Hurnett, Everett R., assignor.)
 Brungardt, Henry R. (See Snider, William, assignor.)
 Bryce Brothers Company. (See Bell, Elmer, assignor.)
 Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company, Endicott, N. Y. Time recorder. 1,513,308; Oct. 28.
 Buchanan, Eugene, Fall River, Mass. Bumper-operated brake. 1,513,483; Oct. 28.
 Buchanan, George M., North Braddock, Pa. Window seat. 1,513,484; Oct. 28.
 Buchanan, Guy H. (See Landis, W. S., and Buchanan.)
 Buford, Charles F., Paris, France. System for tying skeins of beads. 1,513,309; Oct. 28.
 Buhl, Carl H., and P. Gilbert, assignors to The National Electric Water Heater Company, Cleveland, Ohio. Electric heater. 1,513,087; Oct. 28.
 Bühler, Georg. (See Hurgart, K., and Bühler.)
 Bull, George B., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Crimping machine. 1,513,032; Oct. 28.
 Bullard, Edwin W., Whitneyville, Conn. Liquid dispenser. 1,513,485; Oct. 28.
 Bullard Machine Tool Co., The. (See Kolb, George F., assignor.)
 Bunker, Frank P., North Manchester, Ind. Mold. 1,512,905; Oct. 28.
 Bunker, Frank S., Spokane, Wash. Auto jack. 1,513,217; Oct. 28.
 Burdick, Charles L., London, England. Wage-paying machine. 1,513,486; Oct. 28.
 Burghart, Karl, and G. Bühler, Vienna, Austria. Self-regulating electric striking mechanism for clocks. 1,513,487; Oct. 28.
 Burghart, Thomas N., Philadelphia, Pa. Automobile lock. 1,513,218; Oct. 28.
 Burkhardt, Paul, assignor to The Union Steel Products Company, Ltd., Albion, Mich. Receptacle. 1,512,976; Oct. 28.
 Burrell, William C., Kaukaee, and R. B. Robertson, Chicago, Ill. Bar-supporting pin. 1,512,906; Oct. 28.
 Burtnett, Charles A. (See Burtnett, Everett R., assignor.)
 Burtnett, Everett R., assignor of one-half to C. A. Burtnett, Los Angeles, Calif. Internal-combustion engine. 1,513,310; Oct. 28.
 Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,513,311; Oct. 28.
 Butchart, William A., Denver, Colo. Ore concentrator. 1,513,693; Oct. 28.
 Butterfield, Fred, & Co. (See Vandergaw, E. R., and Heinrich, assignors.)
 Byce, Lyman C., Petaluma, Calif. Brooder. 1,513,154; Oct. 28.
 Bynum, Louis G., and J. W. Ball, Forsyth, Mont. Milk strainer. 1,513,488; Oct. 28.
 Cadgène, Ernest, Englewood Cliffs, and G. Dupont, Paterson, N. J. Fabric-drying machine. 1,513,360; Oct. 28.
 Cadgène, Ernest, Englewood Cliffs, and J. Jeandros, Paterson, N. J.; said Jeandros assignor to said Cadgène. Soda-print process. 1,513,370; Oct. 28.
 C-shoun, William H., New York, N. Y., assignor to French Battery & Carbon Company, Madison, Wis. Combination electric lantern and spotlight. 1,513,489; Oct. 28.

California Wall Bed Company. (See Wheelock, Arthur C., assignor.)
 Campbell, Artis C., Tulsa, Okla. Treating pipe lines. 1,513,371; Oct. 28.
 Carborundum Company, The. (See Tone, Frank J., assignor.)
 Carey, Ross, Klein, Mont. Cable release for cameras. 1,513,444; Oct. 28.
 Carlson, Burton G. (See Trundle, G. T., Jr., and Carlson.)
 Carmany, Mark L., et al. (See Woolridge, John, assignor.)
 Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Car dumper. 1,513,580; Oct. 28.
 Case, Lulu, Berkeley, Calif. Novelty doll. 1,513,312; Oct. 28.
 Castellana, Joseph, New York, N. Y. Wall plaque. Des. 65,845; Oct. 28.
 Catron, John J., Bonham, Tex. Fluid dispenser. 1,513,155; Oct. 28.
 Caumont, Marcel L., Brooklyn, N. Y. Cover fastener. 1,513,581; Oct. 28.
 Cayla, Pierre A. E., Paris, assignor to Societe Anonyme des Aeroplans G. Voisin, Sene, France. Control device for brakes upon the four wheels of vehicles. 1,513,219; Oct. 28.
 Chalker, George. (See Newbrough, Walt, assignor.)
 Charette, Thomas J. (See Sheehan, Michael J., assignor.)
 Charlton, Harry W., assignor to American Cyanamid Company, New York, N. Y. Phosphoric-acid recovery. 1,513,058; Oct. 28.
 Chase Co's. (See Becker, Adolph C., assignor.)
 Chenoweth, Floyd W., Perry, Iowa. Demountable-rim expanding and contracting tool. 1,513,156; Oct. 28.
 Chicago Pneumatic Tool Co. (See Coates, Charles B., assignor.)
 Chicomine, Louis P., Vaudreuil, Quebec, Canada. Track liner. 1,513,059; Oct. 28.
 Church, Edgar D., assignor to Jackson & Church Co., Saginaw, Mich. Brake mechanism for intermittently moving platens. 1,513,532; Oct. 28.
 Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
 Chire, Louis V. (See Fortier, J. J., and Chire.)
 Clark Brothers Company. (See Clark, Charles P., assignor.)
 Clark Brothers Company. (See Reid, Joseph S., assignor.)
 Clark, Charles P., assignor to Clark Brothers Company, Olcott, N. Y. Clutch. 1,513,490; Oct. 28.
 Clark, Charles P., Summit, N. J. Testing device. 1,513,372; Oct. 28.
 Clark, John, Walkerton, Ind. Track liner. 1,513,724; Oct. 28.
 Clayton, William E., Altoona, Kans. Dough-dividing machine. 1,513,157; Oct. 28.
 Coates, Charles B., assignor to Chicago Pneumatic Tool Co., Erie, Pa. Power hammer. 1,513,220; Oct. 28.
 Cobb, Clarence L., Baltimore, Md., assignor to B. Lipschutz, Atlantic City, N. J. Lantern. 1,513,533; Oct. 28.
 Cohen, Philip, Buffalo, N. Y. Hose supporter. 1,513,221; Oct. 28.
 Cohrs, Henry A., Dovray, Minn. Clothesline tightener. 1,513,445; Oct. 28.
 Coleman, George, Lynn, assignor, by mesne assignments, to T. C. Rowen, Swampscott, Mass. Channel-lip-turning machine. 1,513,222; Oct. 28.
 Collett, Frederick W. H., Cambridge, Mass., assignor, by mesne assignments, to Simmons Company, Kenosha, Wis. Mattress-side-stitching machine. 1,513,090; Oct. 28.
 Comfort, Michael, Plantsville, assignor of one-fourth to M. Trybalski, and one-fourth to W. Allas G. Trybalski, Milford, Conn. Globe clock. 1,513,582; Oct. 28.
 Commonwealth Steel Company. (See Pfleger, Harry M., assignor.)
 Comstock, Jackson D., Chester, W. Va. Automobile tire tread. Des. 65,846; Oct. 28.
 Conaghan, Billy F., Tonkawa, Okla., assignor of one-fourth to H. M. Gillespie and one-half to W. J. Reaven. Casing ring. 1,513,313; Oct. 28.
 Conclenne, Paul, Belle Rose, La. Program clock. 1,513,314; Oct. 28.
 Condon, Gertrude G., Oakland, Calif. Hair curler. 1,513,091; Oct. 28.
 Connor, Edward A., Bridgeport, Conn., assignor to American Chain Company, Inc. Cable-making machine. 1,513,583; Oct. 28.
 Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Receiving circuit for the elimination of static disturbances. 1,513,223; Oct. 28.
 Conrad, Horace L. (See Erickson, W. C., and Conrad.)
 Continenza, Joseph, Farrell, Pa. Priming cup. 1,513,491; Oct. 28.
 Conway, Roy D., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,512,907; Oct. 28.
 Cook, Charles L., Louisville, Ky. Self-balancing pipe expansion joint. 1,513,315; Oct. 28.
 Cook, Frankford M., Sedalia, Mo. Indicator. 1,513,158; Oct. 28.

Co-operative Utilities Co. (See Knapp, David R., assignor.)
 Copley, Almon W., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Minimize inductive disturbances. 1,513,224; Oct. 28.
 Cordier, Charles, Glendale, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Safety switch box. 1,513,225; Oct. 28.
 Cormier, Emery, Nashua, N. H. Temple selvage trimmer. 1,513,226; Oct. 28.
 Cornelius, Arthur B., and G. W. Young, Seattle, Wash. Automobile. 1,513,227; Oct. 28.
 Cornu, Theodore J., Harmon-on-Hudson, N. Y. Chair or similar article. Des. 65,847; Oct. 28.
 Cornu, Theodore J., Harmon-on-Hudson, N. Y. Chair or similar article. Des. 65,848; Oct. 28.
 Cornu, Theodore J., Harmon-on-Hudson, N. Y. Chair or similar article. Des. 65,849; Oct. 28.
 Cornwall, Charles, assignor to The Deming Company, Salem, Ohio. Pump. 1,513,584; Oct. 28.
 Corporon, George J., Amesbury, Mass. Dispensing apparatus. 1,513,373; Oct. 28.
 Cory, Harvey, and O. D. Gray; said Gray assignor of his entire right to Advance Automobile Accessories Corporation, Chicago, Ill. Friction lining. 1,513,492; Oct. 28.
 Cosner, Ora G., Greenland, W. Va. Rail joint. 1,513,033; Oct. 28.
 Costantini, Henry B., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y. Tire tread. Des. 65,850; Oct. 28.
 Cottrell, C. B., & Sons, Company. (See Barber, Howard M., assignor.)
 Coty, Inc. (See Benols, Edouard P., assignor.)
 Courmyer, James H., Oskaloosa, Iowa. Cream remover. 1,512,908; Oct. 28.
 Courvey, William H., Brownsboro, Tex. Seed hopper. 1,513,034; Oct. 28.
 Couturier, Ernest A., Laporte, Ind. Phonograph. 1,513,534; Oct. 28.
 Cowdrey, Charles F., Fitchburg, Mass. Indicator for brake testers. 1,513,493; Oct. 28.
 Cozzons, Fred H., New York, N. Y. Transmission mechanism for automotive vehicles. 1,513,374; Oct. 28.
 Craft, Howard E., Springfield, Mass. Sign frame. 1,513,446; Oct. 28.
 Craftex Company. (See Allen, Walter B., assignor.)
 Craig, Albert L. (See Smith, M. R., and Craig.)
 Cremer, Henry, Chicago, Ill. Stringed musical instrument. 1,513,159; Oct. 28.
 Criegel, Charles A. (See Larkin, Elwood T., assignor.)
 Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
 Crosier, Arthur B., and F. B. Beloit, Wis. Talking machine. 1,513,725; Oct. 28.
 Crosier, Frank B. (See Crosier, Arthur B. and F. B.)
 Crotto, Frank E., Tulsa, Okla. Expansion well washer. 1,513,228; Oct. 28.
 Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
 Crumb, Lee R., New Berlin, N. Y. Automobile fan device. 1,513,535; Oct. 28.
 Cunningham, William S., Shreveport, La. Transmission. 1,513,694; Oct. 28.
 Curtis & Company Manufacturing Company. (See Ackerman, Frank, assignor.)
 Dahlquist, Ernest L., Auburn, Iowa. Spring compressor. 1,513,160; Oct. 28.
 Dahmen, Charles, Closter, N. J., assignor to Simon Zinn Inc., New York, N. Y. Spring latch and retainer for vanity cases. 1,513,585; Oct. 28.
 Daily, Charles L., Chillicothe, Ohio. Platform scale. 1,513,494; Oct. 28.
 Dain Manufacturing Company of Iowa. (See Bowers, Robert R., assignor.)
 Danbury Unbreakable Tool Corporation, The. (See Stolle, John W., assignor.)
 Darrah, William A., Chicago, Ill. Oven. 1,513,161; Oct. 28.
 Davis, Lewis K., Washington, D. C. Grip pulley. Des. 65,851; Oct. 28.
 Davis, Robert A., Jr., Nampa, Idaho. Golf-bag support. 1,513,092; Oct. 28.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Lady's suit. Des. 65,851; Oct. 28.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Lined coat. Des. 65,852; Oct. 28.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Coat. Des. 65,853; Oct. 28.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Lined coat. Des. 65,854; Oct. 28.
 Davis, William, Chicago, Ill. Electrically-operated brake-controlling means for automobiles. 1,513,586; Oct. 28.
 Davis, William, Chicago, Ill. Brake and accelerator operating mechanism. 1,513,587; Oct. 28.
 Dawson, Fred A., Indianapolis, Ind. Freight check. 1,513,162; Oct. 28.
 Dawson, Robert K., Akron, N. Y. Locking device for chair bases. 1,513,095; Oct. 28.
 Dayton-Wright Company. (See Driggs, Ivan H., assignor.)
 Dean, Arthur C., Norwood, Ohio. Toy mortar. 1,513,536; Oct. 28.
 Dehnert, Alfred F., New York, N. Y. Lace-finishing machine. 1,513,588; Oct. 28.

Della Monica, Pasquale, Harrison, N. Y. Reenforcing breast for garden implements. 1,513,179; Oct. 28.
 Demel, Friedrich, Twickenham, assignor of one-half to R. T. Leighton, Hove, Sussex, England. Manufacture of gold leaf. 1,513,696; Oct. 28.
 Deming Company, The. (See Cornwall, Charles, assignor.)
 Demmer, Henry F., Ballinger, Tex. Alarm. 1,513,229; Oct. 28.
 Denison, George W., Bay Village, Ohio. Die for forming hollow blocks. 1,513,589; Oct. 28.
 Denison, Leonard A., Cleveland, Ohio. Method of and apparatus for making hollow brick. 1,513,590; Oct. 28.
 Denne, Mark T., Edgehill, Warrington, England. Microtome. 1,513,093; Oct. 28.
 Depue, Oscar B., Chicago, Ill. Filtration apparatus. 1,512,977; Oct. 28.
 Deroche, Alexander P., et al. (See Jackson, Maunsell B., assignor.)
 Devereaux, William C., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Door latch. 1,513,094; Oct. 28.
 De Woolfson, Bruce G., Allentown, Pa. Game. 1,513,447; Oct. 28.
 Dickson, John B. (See Trumbull, H. L., and Dickson.)
 Diekmann, Otto, Cincinnati, Ohio. Safety-deposit apparatus. 1,513,095; Oct. 28.
 Disk, John, Jr., assignor to Strom Ball Bearing Manufacturing Company, Chicago, Ill. Ball bearing. 1,513,375; Oct. 28.
 Dobrin, Abraham E., San Francisco, Calif. Sample case. 1,513,163; Oct. 28.
 Doerr, Fred H., assignor to Doerr Manufacturing Company, Grand Rapids, Mich. Receptacle for smokers' articles or the like. Des. 65,855; Oct. 28.
 Doerr Manufacturing Company. (See Doerr, Fred H., assignor.)
 Dohr, Paul G., Yonkers, assignor to Kober Chemical Company, Inc., Hastings-on-Hudson, N. Y. Process and apparatus for separation of solids from liquids containing the same. 1,512,909; Oct. 28.
 Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 1,513,035; Oct. 28.
 Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 1,513,036; Oct. 28.
 Donnelly, John F., and E. S. Johnson, Brockton, assignors, by mesne assignments, to Panco Rubber Company, Chelsea, Mass. Tap-splitting machine. 1,513,376; Oct. 28.
 Donnelly, John F., and E. S. Johnson, Brockton, assignors, by mesne assignments, to Panco Rubber Company, Chelsea, Mass. Tap-splitting machine. 1,513,377; Oct. 28.
 Donohue, Norman E., Cambridge, Ohio. Safe lock. 1,513,230; Oct. 28.
 Dornandy, Garry J., assignor to Lion Collars & Shirts, Troy, N. Y. Folding machine. 1,513,378; Oct. 28.
 Dörr, Wilhelm E., Ueberlingen-on-the-Bodensee, E. A. Lehmann and E. Lempertz, Friedrichshafen-on-the-Bodensee, assignors to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Floating plant or harbor for airships and giant flying machines. 1,513,591; Oct. 28.
 Dougherty, Edward J., Bryn Mawr, Pa. Device for use in constructing buildings. 1,513,697; Oct. 28.
 Douglas, Adam V., Paris, Ky. Rubber storage-battery box. 1,513,037; Oct. 28.
 Douthitt, Fletcher, Detroit, Mich. Ascertaining camera stops. 1,513,379; Oct. 28.
 Dow, Issachar H., Easton, Me. Potato-digger attachment. 1,513,698; Oct. 28.
 Downes, Denis F., Coburg, near Melbourne, Victoria, Australia. Switch lock for motor vehicles. 1,512,910; Oct. 28.
 Draper Corporation. (See Rhoades, Alonzo E., assignor.)
 Dreher, Myron A., assignor to Morgan & Wright, Detroit, Mich. Tire. Des. 65,856; Oct. 28.
 Dreyer, Otto, Essen-on-the-Ruhr, Germany. Protecting device for electrical circuits. 1,512,911; Oct. 28.
 Driggs, Ivan H., assignor to Dayton-Wright Company, Dayton, Ohio. Aeroplanes. 1,512,912; Oct. 28.
 Du Coln, René F., Camden, N. J. Electric switch. 1,513,448; Oct. 28.
 Dugan, Joseph C., St. James, Minn. Tub loosener. 1,512,913; Oct. 28.
 Dumbolt, Ellis R., Long Island City, N. Y. Bouncing cane. 1,513,380; Oct. 28.
 Dunn, John V., New Lexington, Ohio. Price-tag holder. 1,513,096; Oct. 28.
 Du Pont, E. I., de Nemours & Company. (See Nevius, George H., assignor.)
 Dupont, George. (See Cadgène, E., and Dupont.)
 Dupuis, William, Polson, Mont. Cuff link. 1,513,495; Oct. 28.
 Du Rees, Ivor G. A., Winnetka, Ill. Cross-chain connector for antiskid chains. 1,512,914; Oct. 28.
 Durlon Company, The. (See Jacobsen, Øystein, assignor.)
 Dutcher, Bernard R., assignor to Graham-Chisholm Company, New York, N. Y. Loose-leaf binder. 1,513,537; Oct. 28.
 Dutcher, Bernard R., assignor to Graham-Chisholm Company, New York, N. Y. Loose-leaf binder and support therefor. 1,513,538; Oct. 28.
 Dwight & Lloyd Sintering Co. (See Lloyd, Richard L., assignor.)

East, Brantley, Omaha, Nebr. Antislipping device. 1,513,539; Oct. 28.
 Easton, Marguerite D., New York, N. Y. Composition of matter for treating fibrous material. 1,513,310; Oct. 28.
 Eaton Axle & Spring Company, The. (See Zimmerman, Thomas, assignor.)
 Economy Heater Co. (See Johnson, Lawrence E., assignor.)
 Edelson, Samuel, New York, N. Y. Door lock. 1,512,915; Oct. 28.
 Eden, Harold W., Chicago, Ill., assignor to Albaugh-Dover Company. Washing-machine driving mechanism. 1,513,097; Oct. 28.
 Edwards, Charles K., London, assignor to The Associated Equipment Company, Limited, Westminster, London, England. Transport vehicle. 1,513,381; Oct. 28.
 Edwards, James M., New York, N. Y. Roasting apparatus. 1,512,978; Oct. 28.
 Eggert, Herman C., Indianapolis, Ind. Manufacture of metal signs, tablets, etc. 1,513,540; Oct. 28.
 Electric Water Sterilizer & Ozone Company. (See Hartman, Harry B., assignor.)
 Electro Metallurgical Company. (See Udy, Marvin J., assignor.)
 Elias, Joan J. M., Banjoemas, Java. Earthworking machine. 1,513,496; Oct. 28.
 Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Vehicle body. 1,513,541; Oct. 28.
 Ellis Manufacturing Company. (See Ellis, Warren E., assignor.)
 Ellis, Warren E., Gridley, assignor to Ellis Manufacturing Company, Kansas City, Kans. Traveling barrel pump. 1,513,699; Oct. 28.
 Elmendorf, Armin, Chicago, Ill. Method of and apparatus for sharply bending fiber boards. 1,512,916; Oct. 28.
 English, Ruth, Hollywood, Calif. Container for candy and the like. 1,513,231; Oct. 28.
 Enzer, Joseph, H. H. Gifford, and J. Presner, assignors of one-third to said Enzer, one-third to said Presner, and one-third to G. S. Tritt, Montreal, Quebec, Canada. Toilet article. 1,513,098; Oct. 28.
 Ericksen, Jacob S., assignor to Ferguson and Lange Foundry Company, Chicago, Ill. Water-heating apparatus. 1,513,449; Oct. 28.
 Erickson, Wallace C., and H. L. Conrad, Seattle, Wash. Wheel puller. Re15,936; Oct. 28.
 Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Half-duplex Morse carrier system. 1,513,450; Oct. 28.
 Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Half-duplex Morse carrier system. 1,513,451; Oct. 28.
 Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Half-duplex Morse carrier system. 1,513,452; Oct. 28.
 Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Half-duplex Morse carrier system. 1,513,453; Oct. 28.
 Everard, Homer H., Barberton, Ohio. Jar wrench. 1,513,164; Oct. 28.
 Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring system. 1,513,232; Oct. 28.
 Exum, Thomas M., Fulton, Ky. Bicycle attachment. 1,513,165; Oct. 28.
 Fant, Rose P., Los Angeles, Calif. Cuticle and nail salve. 1,513,233; Oct. 28.
 Fenner, Bertram S. (See McLean, William A., assignor.)
 Felgenbaum, David, Jamaica, N. Y. Neckband. 1,513,700; Oct. 28.
 Felst, Max H., Tontle, Wash. Advertising sign. Des. 65,857; Oct. 28.
 Felter, Harry E. (See Irwin, J. B., and Felter.)
 Ferguson and Lange Foundry Company. (See Ericksen, Jacob S., assignor.)
 Ferro Stamping & Manufacturing Company. (See Devereaux, William C., assignor.)
 Ferry, James F., sr., Falls City, Nebr. Safety-razor holder. 1,513,454; Oct. 28.
 Fesenschler, Leo. (See Salmon, Edward W., Jr., assignor.)
 Fine, Harry A., College Point, N. Y. Sanitary apron. 1,513,701; Oct. 28.
 Finizio, Nello, Boston, Mass. Bumper for motor-driven vehicles. 1,512,917; Oct. 28.
 Fischer, Albert C., Chicago, Ill. Treating devices in roads, buildings, and the like. 1,513,382; Oct. 28.
 Fisse, Frank H., assignor to The K-W Auto Specialty Company, Cincinnati, Ohio. Side windshield for automobiles. 1,513,702; Oct. 28.
 Flagg, Paluel J., Flushing, N. Y. Method and apparatus for determining the amount of oxygen combined with the hemoglobin of blood. 1,513,542; Oct. 28.
 Fleischer, Adolph, New York, N. Y. Theftproof device for pocketbooks, wallets, and the like. 1,513,383; Oct. 28.
 Fleming, Walter P., Highland Park, Mich. Curtain mud guard for automobiles. 1,513,167; Oct. 28.
 Flues, Jacob F., Hondo, Calif. Snowplow. 1,513,497; Oct. 28.
 Forsgard, Edward F., Waco, Tex. Washing machine. 1,512,918; Oct. 28.

Fortier, John J., and L. V. Chaire, Grand Rapids, Mich., assignors to said Fortier. Tank-wagon faucet. 1,513,038; Oct. 28.
 Fortmann, Clemens, et al. (See Luker, Herbert D., assignor.)
 Forward, Chauncey B., Urbana, Ohio. System and apparatus for refining oil. 1,513,384; Oct. 28.
 Fox, Willoughby B., Los Angeles, Calif. Garment supporter. 1,513,099; Oct. 28.
 Frakes, William, Grand Forks, British Columbia, Canada. Dial for clocks. 1,513,317; Oct. 28.
 Franco Electric Corporation. (See Barany, Edmund R., assignor.)
 Franklin Simon & Co. (See Davis, Taube, assignor.)
 Frarow, Peter E. (See Welch, E. F., Frarow, and Phillips.)
 Fraser, James, Edgemoor, assignor to Speakman Company, Wilmington, Del. Waste fixture. 1,512,919; Oct. 28.
 Frederick, Clarence H., assignor to Simmons Company, Kenosha, Wis. Mitering tube. 1,513,100; Oct. 28.
 Freeman, Charles F., et al., trustees. (See Freeman, Louis G., assignor.)
 Freeman, Louis G., assignor to L. G. Freeman and C. F. Freeman, trustees, Cluchnath, Ohio. Tack-pulling device. 1,513,101; Oct. 28.
 Freeman, Louis G., et al., trustees. (See Freeman, Louis G., assignor.)
 French Battery & Carbon Company. (See Calhoun, William H., assignor.)
 French Battery & Carbon Co. (See Graves, John, assignor.)
 Freerichs, Heinrich, Hamburg, Germany. Production of a substance resembling ebonite. 1,512,979; Oct. 28.
 Frick, Joseph, Wawaka, Ind. Ventilator. 1,513,168; Oct. 28.
 Friese-Greene, Claude H. (See Humphrey, R. O. P., and Friese-Greene.)
 Frisch, George, Chicago, Ill. Spring-inserting tool. 1,513,703; Oct. 28.
 Fritsch, Ignaz, Vienna, Austria. Hasp hook. 1,513,234; Oct. 28.
 Fritzsche, Oscar H., New York, N. Y. Stuffing or filling for boxes and the like. 1,513,543; Oct. 28.
 Fritts, James C., Scranton, Pa. Car-door lock. Re15,937; Oct. 28.
 Frizzell, James O., Weslaco, Tex. Cover-securing means for baskets. 1,513,235; Oct. 28.
 Fuller Brush Company, The. (See Lucia, Louis V., assignor.)
 Furste, Henry, Cincinnati, assignor to The United States Printing and Lithograph Company, Norwood, Ohio. Carton. 1,513,318; Oct. 28.
 Gagnon, Eli J., Exeter, N. H. Pall-turning machine. 1,512,980; Oct. 28.
 Gailor, Chester F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Welded rail joint. 1,513,498; Oct. 28.
 Gallon Iron Works and Manufacturing Company, The. (See Arndt, Franklin E., assignor.)
 Galvin, Charles E., assignor to The Ridgely Trimmer Company, Springfield, Ohio. Putty and scraper knife handle. 1,512,920; Oct. 28.
 Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding and vulcanizing pneumatic-tire casings. 1,513,102; Oct. 28.
 Garlick, James D., Port Huron, Mich. Transmission gearing for motor-driven vehicles. 1,512,921; Oct. 28.
 Gelstharpe, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for forming and annealing sheet glass. 1,513,514; Oct. 28.
 General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
 General Electric Company. (See Scott, Carl F., assignor.)
 General Fireproofing Company, The. (See Schmitz, Fred A., assignor.)
 Gerken, Henry A., New York, N. Y. Illumination indicator for lamps. 1,513,545; Oct. 28.
 Gerken, Henry A., New York, N. Y. Illumination indicator for lamps. 1,513,546; Oct. 28.
 Gesellschaft für Drahtlose Telegraphie m. b. H. Hallelesches. (See Rukop, Hans, assignor.)
 Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
 Gibson, George H., Montclair, N. J. Combustion control. 1,513,103; Oct. 28.
 Gifford, Harrison H. (See Enzer, J., Gifford, and Presner.)
 Gilbert, Paul. (See Buhl, C. H., and Gilbert.)
 Gillespie, Howard M., et al. (See Conaghan, Billy F., assignor.)
 Gilroy, James J. (See Brennan, D. J., and Gilroy.)
 Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. 1,512,922; Oct. 28.
 Glock, William A. (See Meyer, A., and Glock.)
 Goddard, Charles A., Cheshire, Conn., assignor to The Ball and Socket Manufacturing Company, West Cheshire, Conn. Garter loop. 1,513,319; Oct. 28.
 Goff, Leonard D., assignor to Armstrong Machine Works, Three Rivers, Mich. Steam trap. 1,513,547; Oct. 28.

Golden, Max K., assignor to D. Schuff, Detroit, Mich. Combined lamp bracket and spool holder. 1,513,039; Oct. 28.
 Goldstein, Isidore. (See Weinstein, M., and Goldstein.)
 Good, Adam F., Manchester, Okla. Oil can. 1,513,385; Oct. 28.
 Goodman, Joseph, and W. A. Somers, assignors to The Mt. Carmel Manufacturing Company, Hamden, Conn. Shade roller. 1,513,499; Oct. 28.
 Goodrich, B. F., Company, The. (See Bruck, Robert L., assignor.)
 Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
 Goodrich, B. F., Company, The. (See Trumbull, A. L., and Dickson, assignors.)
 Goodyear Shoe Co. (See Goodyear, William H., assignor.)
 Goodyear, William H., assignor to Goodyear Shoe Co., Carlisle, Pa. Making shoes and shoe resulting therefrom. 1,513,386; Oct. 28.
 Gordon, Max M., Chicago, Ill. Vanity case or container for cosmetic articles, toilet preparations, etc. 1,512,981; Oct. 28.
 Goss, Harold J., Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio. Machine for making boxes. 1,513,236; Oct. 28.
 Grabler Manufacturing Company, The. (See McCabe, F. E., and Roshetko, assignors.)
 Gracey, Clayton H., Detroit, Mich. Toothbrush. 1,513,104; Oct. 28.
 Graham-Chisholm Company. (See Dutcher, Bernard R., assignor.)
 Graves, John, assignor to French Battery & Carbon Co., Madison, Wis. Dry-battery carrier and tester. 1,512,982; Oct. 28.
 Gray, Orrin D. (See Cory, H., and Gray.)
 Green, David H., San Francisco, Calif. Signal. 1,513,237; Oct. 28.
 Greenfield, Kohler, Kernersville, N. C. Railway tie. 1,513,455; Oct. 28.
 Greig, John, London, England. Apparatus for playing a game of chance. 1,513,500; Oct. 28.
 Greve, Edgar E., Bellevue, Pa. Rotary hoist. 1,513,387; Oct. 28.
 Greve, Edgar E., Bellevue, Pa. Rotary for earth boring. 1,513,388; Oct. 28.
 Grierson, Paul. (See Wood, F. W., and Grierson.)
 Griffith, Richard H., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Cultivator. 1,513,501; Oct. 28.
 Groh, Melvin S., Toronto, Ontario, Canada, assignor to J. Mercandante, New York, N. Y. Refrigerating machine. 1,513,105; Oct. 28.
 Gross, William M., Las Vegas, Nev. Loading and excavating wheelbarrow. 1,513,238; Oct. 28.
 Gruman, Horace F., Jackson, Mich. Feeding mechanism for sheet material. 1,513,106; Oct. 28.
 Guest, Benjamin T., Sterling City, Tex. Power-transmission attachment for windmill pumps. 1,513,040; Oct. 28.
 Guzenheim Brothers. (See Smith, Elias A. C., assignor.)
 Gunn, Samuel E., Johnson City, Tenn. Gaslighter. 1,513,704; Oct. 28.
 Gunther, Emil and F. J., Racine, Wis. Machine for cutting up string beans. 1,513,389; Oct. 28.
 Gunther, Fred J. (See Gunther, Emil and F. J.)
 Gyuris, Johann, assignor to Hungarian Elektermex Company, Limited, Budapest, Hungary. Mounting resistance elements of electric heaters. 1,513,239; Oct. 28.
 Hacker, Horace W., Chicago, Ill. Planer. 1,513,390; Oct. 28.
 Haeufkens, Otto, Hazleton, Pa. Pump system. 1,513,705; Oct. 28.
 Hager, Benjamin F., Keystone, W. Va. Vehicle body brace. 1,513,706; Oct. 28.
 Hall, Charles C., Kalamazoo, Mich. Packing and making the same. 1,513,548; Oct. 28.
 Hall, W. F., Printing Co. (See Schultz, Herman J., assignor.)
 Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Incandescent electric lighting. 1,512,923; Oct. 28.
 Ham, James A., Grandfield, Okla. Bearing. 1,513,169; Oct. 28.
 Hambloch, Anton, Andernach, Germany. Preparation of magnesium carbonate. 1,512,924; Oct. 28.
 Hamilton, Ashton. (See Howard, Albert L., assignor.)
 Hamilton, Francis F., Indianapolis, Ind. Box. Des. 65,858; Oct. 28.
 Hammond, Leonard D., Bay of Plenty, and D. W. McGill and H. B. Irvine, Christchurch, New Zealand. Thermostatic switch. 1,513,240; Oct. 28.
 Hammond, John H., Jr., Gloucester, Mass. Radiodynamic mine planter. 1,513,107; Oct. 28.
 Hammond, John H., Jr., Gloucester, Mass. System for control of moving bodies by radiant energy. 1,513,108; Oct. 28.
 Hammond, John H., Jr., Gloucester, Mass. System of torpedo control. 1,513,109; Oct. 28.
 Hammond, John H., Jr., Gloucester, Mass. Transmission and receiving system. 1,513,707; Oct. 28.

Hanney, Thomas, and J. H. Becker, assignors to Warp Twisting-In-Machine Company, Brooklyn, N. Y. Warp-controlled controlling means for looms. 1,513,041; Oct. 28.

Harding, Brooks R., Humboldt, Neb. Vacuum-forming structure for aircraft. 1,513,241; Oct. 28.

Harley-Davidson Motor Co. (See Harley, William S., assignor.)

Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Cooling means for internal-combustion engines. 1,513,170; Oct. 28.

Harp, James L., Medford, Okla. Oil burner. 1,513,456; Oct. 28.

Hartell, Joseph L., Braintree, Minn. Spring perch. 1,513,042; Oct. 28.

Hartman, Harry B., assignor to Electric Water Sterilizer & Ozone Company, Scottsdale, Pa. Filter. 1,513,392; Oct. 28.

Harms, Charles A., Indianapolis, Ind. Collar button. 1,513,391; Oct. 28.

Haseltine, Stacy B., Chicago, Ill. assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake for railway cars. 1,512,925; Oct. 28.

Haseltine, Stacy B., Chicago, Ill. assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,512,926; Oct. 28.

Haseltine, Stacy B., Chicago, Ill. assignor, by mesne assignments, to W. H. Miner, Inc. Shock-absorbing mechanism. 1,512,927; Oct. 28.

Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Dorchester, Mass. Mechanism for placing tuft yarns in carpet manufacture. 1,512,928; Oct. 28.

Hawkins, Wilford J., Montclair, N. J. Projectile fuse. 1,513,549; Oct. 28.

Hawkins, Wilford J., New York, N. Y. Air compressor. 1,513,550; Oct. 28.

Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Magneto. 1,513,551; Oct. 28.

Heater, Shunair A., Washougal, Wash. Dirigible headlamp. 1,513,502; Oct. 28.

Heck, George D., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, Armrest. 1,512,983; Oct. 28.

Helsey, A. H., & Co. (See Sanford, Andrew J., assignor.)

Helrich, Jules. (See Vandergaw, E. B., and Helrich.)

Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical system. 1,513,242; Oct. 28.

Henderson, Dee B. (See Wilson, T. W., and Henderson.)

Henkels, Max. (See Bente, E., and Stuhlmann, assignors.)

Henry, Gerald J. (See Jordan, T. E., and Henry.)

Herrmann, Walther J., Cincinnati, Ohio. Eyeglasses. 1,513,503; Oct. 28.

Herskovitz, Max, assignor to Peerless Light Company, Chicago, Ill. Electric socket-supporting structure. 1,513,393; Oct. 28.

Hilber, Ray P., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator-control system. 1,513,243; Oct. 28.

Hillish, John E., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,513,171; Oct. 28.

Hildebrecht, Walter A., et al. (See Luker, Herbert D., assignor.)

Hill, Bert E., Chicago, Ill. Apparatus and process for removing noncondensable gases. 1,513,172; Oct. 28.

Hill Compressor and Pump Company, The. (See Wardwell, George W., assignor.)

Hillix, Foster F., assignor to White Sewing Machine Company, Cleveland, Ohio. Rheostat. 1,512,984; Oct. 28.

Himoff, Max, New York, N. Y. Tobacco-cutting machine. 1,512,929; Oct. 28.

Hitchcock, Harry W., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,512,930; Oct. 28.

Hodgkins, Charles H., and C. H. Kindl, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Starting mechanism for automobiles. 1,513,244; Oct. 28.

Hoe, R., and Co. (See White, Bruce C., assignor.)

Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Oil burner. 1,513,110; Oct. 28.

Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Kitchen cabinet. 1,513,111; Oct. 28.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon vibrator for typewriters. 1,513,394; Oct. 28.

Hoke, John L., Medina, N. Y., assignor to Moline Plow Company, Inc., Moline, Ill. Tractor. 1,513,173; Oct. 28.

Hollingsworth, William J. (See Alexander, Jesse, assignor.)

Holmes, Clifton, and F. E. Bringle, Cushing, Okla. Separating machine. 1,513,504; Oct. 28.

Holmes, Elbridge R., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Supporting device for Axminster tube frames. 1,513,112; Oct. 28.

Holmes, Harry W., assignor to The Reglua Corporation, Rahway, N. J. Attachment for bags. 1,513,395; Oct. 28.

Holt, John W. (See Holt, Thomas and J. W.)

Holt, Thomas and J. W., Walshaw, Bury, England. Weaving of quilts, counterpanes, bedspreads, and similar articles. 1,513,505; Oct. 28.

Holt, Thomas and J. W., Walshaw, Bury, England. Weaving of quilts, counterpanes, bedspreads, and similar articles. 1,513,506; Oct. 28.

Hopkins, John S., New York, N. Y. Can opener. 1,513,507; Oct. 28.

Horn, Hugh, San Francisco, Calif. Combination pump, air compressor, and vacuum pump. 1,513,320; Oct. 28.

Hornung, John C., Chicago, Ill. Heating apparatus. 1,513,508; Oct. 28.

Houghtaling, Barney, Madison, Wis. Signal. 1,513,509; Oct. 28.

Houldsworth, Robert, Southport, England. Amusement apparatus. 1,512,985; Oct. 28.

Howard, Albert L., assignor to A. Hamilton, Brockton, Mass. Blind nail-trimming strip. 1,513,510; Oct. 28.

Howard, Otis W., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Plow. 1,513,245; Oct. 28.

Howes, S., Company. (See Barbeau, M. L., and Powis.)

Hromas, Adolf R., Ulysses, Neb. Fuel-controlling device for motors. 1,513,511; Oct. 28.

Hubbard, Lawrence E., Toronto, Ontario, Canada, assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,513,396; Oct. 28.

Huber, John, Bellwood, Pa. Sheet-metal-bending die. 1,512,931; Oct. 28.

Huebner Helstein Patents Company. (See Huebner, William C., assignor.)

Huebner, William C., assignor to Huebner Helstein Patents Company, Buffalo, N. Y. Photographic-printing apparatus. 1,513,321; Oct. 28.

Huff, Wilson S., Oklahoma City, Okla. Gas-venting apparatus for oil tanks. 1,513,043; Oct. 28.

Hughes, William J., Brooklyn, N. Y. Marking paper. 1,513,246; Oct. 28.

Huisman, Frank, Oshkosh, Wis. Brake beam. 1,513,708; Oct. 28.

Humidity Control Company, The. (See Krick, Arthur E., assignor.)

Humphrey, Roland O. P., London Bridge, and C. H. Friese-Greene, Bromley, England. Color cinematography. 1,513,322; Oct. 28.

Hungarian Elekthermax Company Limited. (See Gyuris, Johann, assignor.)

Hunt, Sylvester H., Milwaukee, Wis. Pressure-control apparatus. 1,512,932; Oct. 28.

Hunter Arms Company, The. (See Wadsworth, Edward A., assignor.)

Hunter, Percy E. (See Scholze, Homer A., assignor.)

Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Door lock. 1,512,986; Oct. 28.

Huxthol, Alphon O. (See Ayres, E. B., and Huxthol.)

Husta, Philip, Corona, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,512,933; Oct. 28.

Hydraulic Steel Company, The. (See Sindelar, Thomas A., assignor.)

Iadarola, Flore, Philadelphia, Pa. Rapid-fire toy machine gun. 1,513,552; Oct. 28.

Ideal Bending Machine Company. (See King, John P., assignor.)

Industrial Research Corporation. (See Whitcomb, Edmund R., assignor.)

International Precipitation Company. (See Schmidt, Walter A., assignor.)

International Time Recording Company. (See Bryce, James W., assignor.)

Irish, Arthur M., Royston Station, British Columbia, Canada. Internal-combustion engine. 1,513,397; Oct. 28.

Irvine, Harold B. (See Hammon, L. D., McGill, and Irvine.)

Irwin, James B., and H. E. Felter, Alliance, Neb. Locomotive and car wheel flange lubricator. 1,513,166; Oct. 28.

Jackson & Church Co. (See Church, Edgar D., assignor.)

Jackson, Munnell B., assignor of thirty-three per cent to T. C. Bate, thirty-three per cent to E. McMahon, twenty-nine per cent to P. D. Lyons, and five per cent to A. P. Deroche, Ottawa, Ontario, Canada. Wood-turning machine. 1,513,113; Oct. 28.

Jackson, Charles A., Ridgewood, N. J. Valve-operating apparatus. 1,513,457; Oct. 28.

Jacob, Ernst A. H., San Antonio, Tex. Cotton packer. 1,513,458; Oct. 28.

Jacobson, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Rotary pump. 1,512,924; Oct. 28.

James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,513,247; Oct. 28.

Jeandros, Jules. (See Cadzane, E., and Jeandros.)

Jensen, Soren. (See Noe, Cadzane, assignor.)

Jernberg, Carl R., and M. A. Metzger, assignors to Standard Forgings Company, Chicago, Ill. Forged-steel draft-rigging attachment. 1,513,553; Oct. 28.

Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Traction belt and sprocket wheel. 1,513,459; Oct. 28.

Johnson, Carl O., South St. Paul, Minn. Bread-dispensing device. 1,513,248; Oct. 28.

Johnson, Ernest S. (See Donnelly, J. E., and Johnson.)

Johnson, Fred J., Minneapolis, Minn. Coffee-measuring container. 1,513,460; Oct. 28.

Johnson, Lawrence E., Melrose, assignor to Economy Heater Co., Inc., Lynn, Mass. Oil burner. 1,513,461; Oct. 28.

Johnson, Samuel P., Longacre, W. Va. Automatic train-control system. 1,513,114; Oct. 28.

Johnson, Vitalis C., Bozeman, Mont. Screen support. 1,513,502; Oct. 28.

Jonas, Frank A., et al. (See Wilson, Robert R., assignor.)

Jones, Edward L. (See Jones, John W., and E. L.)

Jones, John W., and E. L., Greenville, S. C. Picker check. 1,513,044; Oct. 28.

Jordan, Thomas E., Malden, and G. J. Henry, Melrose; said Jordan assignor of his entire right to Oliver Whyte Co., Inc., Boston, Mass. Barrel truck. 1,513,045; Oct. 28.

Joremby, Carl G., Greenwood, Wis. Combined feeding rack and trough. 1,512,987; Oct. 28.

Joyce, James D., Philadelphia, Pa. Yarn stripper. 1,513,249; Oct. 28.

Judelson, Julius, New York, N. Y. Drier. 1,513,592; Oct. 28.

Judelson, Julius, New York, N. Y. Drier. 1,513,591; Oct. 28.

Judelson, Julius, New York, N. Y. Cabinet construction. 1,513,595; Oct. 28.

Judelson, Julius, New York, N. Y. Extensible rack. 1,513,596; Oct. 28.

Judelson, Julius, New York, N. Y. Drier. 1,513,597; Oct. 28.

Judelson, Julius, New York, N. Y. Drier. 1,513,598; Oct. 28.

K-W Auto Specialty Company, The. (See Flisse, Frank H., assignor.)

Kaelin, Frederiek T., Montreal, Quebec, Canada. Generating and controlling the generation of steam. 1,513,250; Oct. 28.

Karlen, Samuel. (See Pfanne, Julius E., assignor.)

Kaufmann, Jacob, Eklus Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,512,935; Oct. 28.

Kay, Oscar, Houston, Tex. Oil burner. 1,513,599; Oct. 28.

Kellogg Switchboard and Supply Company. (See Hillish, John E., assignor.)

Kempson, Wilford H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Moldable composition and making the same. 1,513,323; Oct. 28.

Kennedy, Edward E., Bridgeton, N. J. Amusement apparatus. 1,513,251; Oct. 28.

Kennedy-McCandless Corporation. (See McCandless, Harry E., assignor.)

Kent, George S., Buffalo, N. Y. Boiler furnace. 1,513,600; Oct. 28.

Konyon, C., Company. (See Costantin, Henry R., assignor.)

Kesterson, Walter E. (See Ladner, F. T., and Kesterson.)

Kidder, Carrie E., Somerville, Mass. Bag. 1,513,462; Oct. 28.

Kidder, Carrie E., Smith, Ky. Bag. 1,513,463; Oct. 28.

Kindl, Carl H. (See Hodgkins, C. H., and Kindl.)

King, Edward K., winner, assignor of one-half to W. King, Hamill, S. Dak. Fan pulley. 1,513,601; Oct. 28.

King, John P., Providence, R. I., assignor to Ideal Braiding Machine Company. Braiding machine. 1,513,398; Oct. 28.

King, William. (See King, Edward K., assignor.)

Kingsboro Silk Mills, Inc. (See Quick, Paul H., assignor.)

Kinnard, Frank M., and R. M., Sebring, Ohio. Spreader. 1,513,602; Oct. 28.

Kinnard, Robert M. (See Kinnard, Frank M., and R. M.)

Kintner, Samuel M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Polyphase plate-circuit-excitation system. 1,513,324; Oct. 28.

Kirchner, Abram S., assignor of one-third to S. M. Kirchner, Philadelphia, Pa. Process of and apparatus for extracting oil. 1,513,603; Oct. 28.

Kirchner, Samuel M. (See Kirchner, Abram S., assignor.)

Kleckner, Arthur C., assignor to Webster Electric Company, Racine, Wis. Magneto. 1,513,554; Oct. 28.

Kleiman, Joseph, Brooklyn, assignor, by mesne assignments, to Millie Patent Holding Co., Inc., New York, N. Y. Bag-closing machine. 1,513,464; Oct. 28.

Knapp, David R., assignor to Co-Operative Utilities Co., Inc., Philadelphia, Pa. Self loading and unloading scraper and operating the same. 1,512,936; Oct. 28.

Knaster, Leon, West Hoboken, N. J. Combination safe-desk. 1,512,937; Oct. 28.

Knoth, Conrad, Jr., Ridgewood, assignor of one-half to J. T. Bladen, Brooklyn, N. Y. Seal. 1,512,938; Oct. 28.

Knox, William J., Dubois, Pa. Six-wheel truck. 1,513,399; Oct. 28.

Kober Chemical Company. (See Dohr, Paul G., assignor.)

Kolb, George F., assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Automobile bumper bracket. 1,513,046; Oct. 28.

Kolb, George F., Fairfield, assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Bumper. 1,513,047; Oct. 28.

Kopeliovitz, Ella, Waterbury, Conn. Automatic railway gate for grade crossings. 1,513,048; Oct. 28.

Kops Brothers. (See Kops, Waldemar, assignor.)

Kops, Waldemar, assignor to Kops Brothers, New York, N. Y. Apparel garment. 1,513,555; Oct. 28.

Koski, Mutt W., Cosmopolis, Wash. Fishhook. 1,513,400; Oct. 28.

Kosmos, Henry, Chicago, Ill. Cylinder grinder. 1,513,604; Oct. 28.

Kramer, Andrew A., Kansas City, Mo. Tank. 1,513,605; Oct. 28.

Kramer, Leopold, Berlin-Neutempelhof, Germany. Letter-file mechanism. 1,513,325; Oct. 28.

Kremer, Monroe R., Aaronsburg, Pa. Valve mechanism. 1,513,606; Oct. 28.

Krehbiel, George P., Passaic, N. J. Clip or paper fastener. 1,513,049; Oct. 28.

Krick, Arthur E., assignor to The Humidity Control Company, Indianapolis, Ind. Drying-control apparatus. 1,513,727; Oct. 28.

Krick, Homer, assignor of one-half to C. A. Rastetter, Fort Wayne, Ind. Shade-roller fixture. 1,513,401; Oct. 28.

Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Picture frame. 1,513,050; Oct. 28.

Kronak, James, Morse Bluffs, Neb. Draft evener. 1,513,607; Oct. 28.

Kuger, Ait J., Adrian, Minn. Grain soaker. 1,513,174; Oct. 28.

Kurawski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,512,988; Oct. 28.

Kyle, E. S. (See Bacon, William M., assignor.)

Kyrides, Lucas P., New York, N. Y., assignor to Parke, Davis & Company, Detroit, Mich. Compound of mercury and producing the same. 1,513,115; Oct. 28.

La Belle, Edward, and R. C. Tapp, Minneapolis, Minn. Adjustable basket-ball backstop. 1,513,402; Oct. 28.

Labombard, Elie W., Nashua, N. H. Paper receptacle and making the same. 1,513,608; Oct. 28.

Ladner, Floyd T., and W. E. Kesterson, Tulsa, Okla. Sleeve pad. 1,513,609; Oct. 28.

Laessker, Jean, assignor to Societe Anonyme Adolphe Sauret, Arbon, Switzerland. Process and apparatus for testing the spring power of piston rings. 1,513,610; Oct. 28.

Lafferty, James G., Coraopolis, Pa. Apparatus for production of oxygen and nitrogen. 1,513,116; Oct. 28.

Laird, John H., Louisville, Ky. Automobile headlight. 1,512,989; Oct. 28.

Laird, Myrtle R., Greeley, Colo. Pencil holder. 1,513,611; Oct. 28.

Lake Erie Trust Company, The. (See Goss, Harold J., assignor.)

Laupert, Henry H., Chicago, Ill. Jack. 1,513,252; Oct. 28.

Laupher, Wilbur C., New York, N. Y. Radiodetector. 1,513,326; Oct. 28.

Lampugh, Henry A., Olton, England. Seat. 1,513,726; Oct. 28.

Landis, Walter S., Whitestone Landing, N. Y., and G. W. Buchanan, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Fumigating and disinfecting. 1,513,051; Oct. 28.

Lane, Wilson H., Ada, Okla. Tire appliance. 1,513,612; Oct. 28.

Lang, Joseph, Rosebush, Mich., assignor of one-third to M. Lang, Cleveland, Ohio. Sugar-beet drill. 1,513,613; Oct. 28.

Lang, Mary. (See Lang, Joseph, assignor.)

Lape, Russell C., Columbus, Ohio. Perpetual calendar. 1,513,253; Oct. 28.

Larkin, Elwood T., assignor to C. A. Criqui, Buffalo, N. Y. Pump. 1,513,052; Oct. 28.

Lawrence, Frank H., Madison, Wis. Device for opening box-car doors. 1,513,512; Oct. 28.

Lawson, Lindley S., Pittsburgh, Pa. Andiron or similar article. Des. 65,859; Oct. 28.

Lawson, Lindley S., Pittsburgh, Pa. Gas heater. Des. 65,860; Oct. 28.

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,512,939; Oct. 28.

Lebeis, Martin, Berlin-Friedenau, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Magnetic phonograph. 1,513,403; Oct. 28.

Leeds & Northrup Company. (See Parker, Henry C., assignor.)

Lehman, Jay E., Canton, Ohio. Planer. 1,513,614; Oct. 28.

Lehmann, Ernst A. (See Dörr, W. E., Lehmann, and Lampertz.)

Lehmann, Wesley G., and J. Rein, assignors to D. T. Owen, Cleveland, Ohio. Fabricating spring structures. 1,512,990; Oct. 28.

Leighton, Richard T. (See Demel, Friedrich, assignor.)

Lempertz, Eberhard. (See Dörr, W. E., Lehmann, and Lempertz.)
 Leo, Hazel M. (See Leo, Herbert T., assignor.)
 Leo, Herbert T., St. Joseph, Mo., assignor to H. M. Leo, Topeka, Kans. Dry-powder jelly base containing pectin. 1,513,615; Oct. 28.
 Leslie, Freeland D., Milton, Mass. Hinge connection for water-closet hoppers. 1,513,404; Oct. 28.
 Letsch, Frederick W., Baltimore, Md. Galle mechanism for typographic machines. 1,513,327; Oct. 28.
 Letzkus, Leo C., Pittsburgh, Pa. Sectional rug pad. 1,513,709; Oct. 28.
 Levien, Louis, Sea Gate, N. Y. Tray for holding glasses. Des. 65,861; Oct. 28.
 Levine, Max, Lock. 1,512,991; Oct. 28.
 Lewis, Abraham. (See Zsarnay, Bela, assignor.)
 Lewis, Arthur J., Stratford, Conn. Separable fastener. 1,513,710; Oct. 28.
 Lewis, Charles A., Dayton, Ohio. Aircraft landing gear. 1,513,053; Oct. 28.
 Lewis, Goodrich Q., Wheaton, Ill. assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,512,940; Oct. 28.
 Lewis, John H., Rhineclander, Wis. Neck-yoke lock. 1,513,616; Oct. 28.
 Ljungström, Fredrik, Lidings-Brevik, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Locomotive provided with air-cooled condenser. 1,513,328; Oct. 28.
 Ljungström, Fredrik, Lidings-Brevik, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Locomotive and similar vehicle provided with condensers. 1,513,329; Oct. 28.
 Libby, Abdon D. T., East Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Armature construction for dynamo-electric machines and producing the same. 1,513,405; Oct. 28.
 Lide, Martin J., Birmingham, Ala. Waste-heat drier. 1,513,465; Oct. 28.
 Lion Collars & Shirts. (See Dormandy, Garry J., assignor.)
 Lipstate, Philip H., Tyler, Tex. Cloth-winding reel. 1,513,054; Oct. 28.
 Lipschutz, Benjamin. (See Cobb, Clarence L., assignor.)
 Lipscomb, Sewell M., Houston, Tex. Screw-holding attachment for screw drivers. 1,513,406; Oct. 28.
 Litt, Max, Trenton, N. J. Firing rack bars. 1,513,617; Oct. 28.
 Little, John W., Jr., Pawtucket, R. I. End label for cloth bolts. Refs. 939; Oct. 28.
 Lloyd, Richard L., assignor to Dwight & Lloyd Sintering Co., Inc., New York, N. Y. Sintering machine. 1,513,466; Oct. 28.
 Loewe, Siegmund, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency-changing device. 1,512,941; Oct. 28.
 Loewer, Henry F., Rochester, N. Y. Last. 1,513,618; Oct. 28.
 Loff, George, Garrett, Ind. Automobile spring. 1,513,055; Oct. 28.
 Lombos, Arthur L., New York, N. Y. Incandescent lamp. 1,513,407; Oct. 28.
 London, David, Baltimore, Md. Clothespin apron. 1,513,513; Oct. 28.
 London, David, Baltimore, Md. Shoe bag and the like. 1,513,514; Oct. 28.
 Lorenz, C., Aktiengesellschaft. (See Scheller, Otto, assignor.)
 Lorenz, Oswald. (See Weide, H., and Lorenz.)
 Lovelace, Charles D., Fort Worth, Tex. Trap-gun mounting. 1,512,992; Oct. 28.
 Lovercheck, Charles L., Brooklyn, assignor, by mesne assignments, to George Sague Mfg. Corp., Poughkeepsie, N. Y. Envelope and like feed mechanism. 1,513,254; Oct. 28.
 Low, Herbert W., assignor of one-half to S. C. Williams, Oakland, Calif. Making butter from sour cream. 1,513,331; Oct. 28.
 London, Warren P., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Automobile switch. 1,513,330; Oct. 28.
 Lucia, Louis V., assignor to The Fuller Brush Company, Hartford, Conn. Dish mop. 1,513,556; Oct. 28.
 Ludlow, George H., Evanston, and D. W. Adams, assignors to Sanitary Scale Company, Chicago, Ill. Shipping crate for scales. 1,513,117; Oct. 28.
 Ludwig, Otto A., assignor to Ludwig Resilient Wheel Company, Great Falls, Mont. Resilient wheel. 1,513,175; Oct. 28.
 Ludwig Resilient Wheel Company. (See Ludwig, Otto A., assignor.)
 Luehrs, Daniel M., Cleveland, Ohio, Carrier for drying ovens. 1,513,619; Oct. 28.
 Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dörr, W. E., Lehmann, and Lempertz, assignors.)
 Luker, Herbert D., assignor of one-half to W. A. Hildebrecht, C. Fortmann, and M. J. Meyers, Chicago, Ill. Signal box. 1,513,515; Oct. 28.
 Lyde, Charles H., Dorridge, England. Case for containing cameras. 1,513,176; Oct. 28.
 Lyons, Philip D., et al. (See Jackson, Maunsell B., assignor.)

Macdonald, Maynard F., Victoria, British Columbia, Canada, assignor to H. R. Mitchell, Seattle, Wash. Spark plug. 1,513,057; Oct. 28.
 MacIldowie, John C., assignor to Asbestos Shingle Company, Nashua, N. H. Tile and kindred material and making the same. 1,513,620; Oct. 28.
 Mackay, Alexander F., Glasgow, Scotland. Toothed gearing. 1,513,621; Oct. 28.
 MacKenzie, William M., Yonkers, N. Y. Tennis net. 1,513,467; Oct. 28.
 Madsen, Charles P., assignor to Madsenell Corporation, New York, N. Y. Electrodeposited article and making the same. 1,513,119; Oct. 28.
 Madsen, Charles P., assignor to Madsenell Corporation, New York, N. Y. Phonograph record and producing the same. 1,513,120; Oct. 28.
 Madsenell Corporation. (See Madsen, Charles P., assignor.)
 Mahaffy, Nina M., Armada, Mich. Toothbrush holder. 1,512,942; Oct. 28.
 Maloo, Harry, Jackson, Mich. Jack. 1,513,334; Oct. 28.
 Mallinson, H. R., & Co. (See Podhradsky, Zdenko, assignor.)
 Manifold Impressions Corporation. (See Sinclair, William H., assignor.)
 Mannuz, Fred W., Brooklyn, N. Y., assignor to Manning Refining Equipment Corporation. Apparatus for re-vivifying purifying materials. 1,513,622; Oct. 28.
 Manning Refining Equipment Corporation. (See Manning, Fred W., assignor.)
 Manz, John, Detroit, Mich. Conductor support. 1,513,258; Oct. 28.
 Marquardt, Frank C., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Printing machine. 1,512,994; Oct. 28.
 Marshall Field & Co. (See Webber, Owen T., assignor.)
 Marshall, William E., and P. G. P. McCulloch, assignors to Non-Dazlite, Limited, London, England. Headlamp for automobiles. 1,513,715; Oct. 28.
 Martin, James J., Iva, S. C. Fluid poison-applying device. 1,513,177; Oct. 28.
 Martineau, Dominic, Johnson City, Tenn. Thimble. 1,512,943; Oct. 28.
 Mason, John R., assignor to The Moses-Rosenthal Company, Chicago, Ill. Control mechanism. 1,513,409; Oct. 28.
 Massey, Hemsley B., by operation of law to E. A. McCusker, trustee in bankruptcy of The Holmes Automobile Company, Canton, Ohio. Air-cooled engine. 1,513,335; Oct. 28.
 Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 1,513,058; Oct. 28.
 Mathewman, Mary, London, England. Advertising device. 1,513,667; Oct. 28.
 Mayhood, Frank H., Calgary, Alberta, Canada. Toothbrush. 1,513,178; Oct. 28.
 Mayer, Austin D., Polo, Mo. Hog catching and ringing chute. 1,513,330; Oct. 28.
 McCabe, Frank E., Chagrin Falls, and M. L. Roshekto, assignors to The Grabler Manufacturing Company, Cleveland, Ohio. Bung and bung bushing. 1,513,516; Oct. 28.
 McCandlish, Edward G., Takoma Park, Md. Doll. Des. 65,862; Oct. 28.
 McCandlish, Edward G., Takoma Park, Md. Doll. Des. 65,863; Oct. 28.
 McCandless, Harry E., assignor to Kennedy-McCandless Corporation, Rochester, N. Y. Detachable toilet seat for infants. 1,513,408; Oct. 28.
 McClenny, Robert J., East Palatka, and D. B. Bardin, Palatka, Fla., assignors to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Knockdown barrel. 1,513,711; Oct. 28.
 McClenny, Robert J., assignor to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Manufacturing collapsible barrels. 1,513,712; Oct. 28.
 McConnell-Browning Engineering Company, The. (See McConnell, Harry R., assignor.)
 McConnell, Harry R., assignor to The McConnell-Browning Engineering Company, Richmond, Va. Chuck. 1,513,332; Oct. 28.
 McCulloch, Leon. (See Stewart, O. V., and McCulloch.)
 McCulloch, Philip G. P. (See Marshall, W. E., and McCulloch.)
 McCullough, Frederick S., Wilkinsburg, Pa. Electrically-heated utensil. 1,513,713; Oct. 28.
 McCusker, E. A., trustee. (See Massey, Hemsley B.)
 McGill, David W. (See Hammon, L. D., McGill, and Irvine.)
 McGowan, William R., Chicago, Ill. Attaching bracket for automobile bumpers. 1,513,255; Oct. 28.
 McGowan, William R., Chicago, Ill. Automobile bumper. 1,513,256; Oct. 28.
 McGowan, William R., Chicago, Ill. Automobile side bumper. 1,513,257; Oct. 28.
 McGowan, William R., Chicago, Ill. Bumper bracket. 1,513,714; Oct. 28.
 McKay, James J., Baltimore, Md. Combined paper weight and picture holder. Des. 65,864; Oct. 28.
 McKnight, Austin A., and G. Saunders, Sharon, Pa. Edible ice-cream container. Des. 65,865; Oct. 28.
 McLean, Fred M., Whittier, N. C. Collapsible wheel structure. 1,513,333; Oct. 28.

McLean, William A., assignor of one-half to B. S. Fenner, Rochester, N. Y. Air gun. 1,512,993; Oct. 28.
 McMahon, Edward, et al. (See Jackson, Maunsell B., assignor.)
 McNeal, Charles A., Newark, Ohio. Illuminated sign. 1,513,056; Oct. 28.
 McNulty, Frank J., Clarkdale, Ariz. Resilient wheel. 1,513,118; Oct. 28.
 Meisel, Benjamin W. (See Shaver, A. G., and Meisel.)
 Mellling, Herman W., Jackson, Mich. Lathe. 1,512,995; Oct. 28.
 Melotte, Alfred, Remicourt, Belgium. Electrically driving the bowls of centrifugal separators. 1,513,337; Oct. 28.
 Menefee, Chalmer C. and E. Gilbert; said E. Menefee assignor of one-eighth to J. H. Anderson, Zanesville, Ohio. Amusement device. 1,513,338; Oct. 28.
 Menefee, Elmer. (See Menefee, Chalmer C. and E.)
 Mercadante, Joseph. (See Groh, Melvin S., assignor.)
 Merriew, Bessie H., Cleveland, Ohio. Brush. 1,513,339; Oct. 28.
 Merzelm, William T., Minneapolis, assignor to A. Streich, Wayzata, Minn. Grain-cleaning device. 1,513,623; Oct. 28.
 Metcalf, William N., De Witt, Ark. Crank-shaft-dressing implement. 1,513,716; Oct. 28.
 Metzger, Modeste A. (See Jernberg, C. R., and Metzger.)
 Meyer, Adolph, and W. A. Glock, Albany, N. Y. Circuit breaker. 1,513,059; Oct. 28.
 Meyers, A. Jay, et al. (See Luker, Herbert D., assignor.)
 Michigan Chemical Company. (See Nikaido, Yasujiro, assignor.)
 Milkes, Leah G., assignor to Venus Manufacturing Company, Minneapolis, Minn. Child's overgarment. 1,513,410; Oct. 28.
 Miller, Allen S., Baltimore, Md. Controlling time powder trains. 1,513,411; Oct. 28.
 Miller, Claude, et al. (See Woodridge, John, assignor.)
 Miller, Thomas R., Jacksonville, Fla. Water filter. 1,513,608; Oct. 28.
 Millie Patent Holding Co. (See Kleidman, Joseph, assignor.)
 Millies, Arthur E., Milwaukee, Wis. Anchor for safety harness. 1,513,121; Oct. 28.
 Mine Safety Appliances Company. (See Ryan, John T., assignor.)
 Miner, Douglas F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bus-bar structure. 1,513,340; Oct. 28.
 Mills, Arthur, Sacramento, Calif. Coupling means for automobile trailers. 1,513,717; Oct. 28.
 Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
 Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
 Miner, W. H., Inc. (See Lewis, Goodrich Q., assignor.)
 Miner, W. H., Inc. (See O'Connor, John F., assignor.)
 Mitchell, Harry K. (See Macdonald, Maynard F., assignor.)
 Mitschka, John F., and F. Wright, Milwaukee, Wis. Automatic gear shift. 1,513,341; Oct. 28.
 Miyata, Fujitaro, New York, N. Y. Article of manufacture. 1,513,259; Oct. 28.
 Moldenke, Richard, Watchung, N. J. Casting. 1,512,996; Oct. 28.
 Moline Plow Company. (See Hoke, John L., assignor.)
 Moline Plow Company. (See Howard, Otis W., assignor.)
 Moorhead, Caroline H., Ocala, Fla. Dish. Des. 65,866; Oct. 28.
 Mooring, Edward W., Casper, Wyo. Burner. 1,513,260; Oct. 28.
 Moran, John H., Brookline, Mass. Transfer ticket. 1,513,412; Oct. 28.
 Morehouse, Terry B., Washington, D. C. Lock. 1,513,718; Oct. 28.
 Morgan & Wright. (See Dreher, Myron A., assignor.)
 Morita, Shigeo, San Francisco, Calif. Incense burner. Des. 65,867; Oct. 28.
 Morita, Shigeo, San Francisco, Calif. Incense burner. Des. 65,868; Oct. 28.
 Moron, Alfred L., East Boston, Mass. Milk dispenser. 1,513,413; Oct. 28.
 Morris, Charles V., Davenport, Stockport, England. Leading-in connector for aerial wires and the like. 1,512,997; Oct. 28.
 Morrison, J. L., Company, The. (See Allen, Howard G., assignor.)
 Moses Rosenthal Company, The. (See Mason, John R., assignor.)
 Mt. Carmel Manufacturing Company, The. (See Goodman, J., and Somers, assignors.)
 Moyer, Willard R., Gadsden, Ala. Vehicle signal. 1,513,414; Oct. 28.
 Muchlberg, Karl O., Manitowoc, Wis. Apparatus for reaming engine bearings. 1,512,998; Oct. 28.
 Muchlberg, Karl O., Manitowoc, Wis. Apparatus for reaming bearings in connecting rods, pistons, and the like. 1,512,999; Oct. 28.
 Murphy, G. W. J., Company. (See Bourque, David, assignor.)
 Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
 Murray, Thomas E. (See Bennett, I. T., and Phelps, assignors.)

Muth, Anthony F., assignor of five-sixteenths to J. J. Muth, two-sixteenths to W. H. Muth, and one-sixteenth to C. A. Muth, Eldorado, Kans. Pipe wrench. 1,513,060; Oct. 28.
 Muth, Anthony F., assignor of five-sixteenths to J. J. Muth, two-sixteenths to W. H. Muth, and one-sixteenth to C. A. Muth, Eldorado, Kans. Cable-reeling device. 1,513,061; Oct. 28.
 Muth, Charles A., et al. (See Muth, Anthony F., assignor.)
 Muth, John J., et al. (See Muth, Anthony F., assignor.)
 Muth, Wilfred H., et al. (See Muth, Anthony F., assignor.)
 Myers, Joseph E., U. S. Army. Insertion-pad holder. 1,513,180; Oct. 28.
 Nace, William J., Los Angeles, Calif. Internal bath. 1,513,060; Oct. 28.
 Nash, Cora E., Bronx, N. Y. Powder retaining device for toilet powder boxes. 1,513,557; Oct. 28.
 National Brake & Electric Company. (See Alkman, Burton S., assignor.)
 National Carbon Company. (See Voorhees, Lee J., assignor.)
 National Electric Water Heater Company, The. (See Buhl, C. H., and Gilbert, assignors.)
 Nelner, Edward J., Erie, Pa. Game. 1,513,261; Oct. 28.
 Nelswender, Charles W., Bucyrus, Kans. Smoking pipe. 1,513,415; Oct. 28.
 Ness, John A. and W., Montevideo, Minn. Conductor holder. 1,512,944; Oct. 28.
 Ness, Walter. (See Ness, John A. and W.)
 Nervus, George H., Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hand mirror. Des. 65,869; Oct. 28.
 New England Pressed Steel Company. (See Somersall, William W., assignor.)
 Newbrough, Walt, assignor of one-half to G. Chalker, Wilmington, Calif. Underreamer. 1,513,262; Oct. 28.
 Nicewarner, Robert, and R. C. Smithson, Charles Town, W. Va. Expandable bolt. 1,513,669; Oct. 28.
 Nikaido, Yasujiro, Bay City, Mich., assignor to Michigan Chemical Company. Vulcanizing rubber. 1,513,122; Oct. 28.
 Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb and Sons, New York, N. Y. Applicator. 1,513,342; Oct. 28.
 Nobile, Umberto, Rome, Italy. Airship of the semirigid type. 1,513,001; Oct. 28.
 Noc, Frank, Lillwaup, assignor of one-half to S. Jensen, Seattle, Wash. Saw gauge and set. 1,513,263; Oct. 28.
 Non-Dazlite, Limited. (See Marshall, W. E., and McCulloch, assignors.)
 Norcross, Crandall F., Winchendon, Mass. Shipping receptacle. 1,512,945; Oct. 28.
 North, William A., Montclair, N. J. Operating motors. 1,513,062; Oct. 28.
 Nuhn, Albert, Vermillion, Ohio. Sprinkler. 1,513,670; Oct. 28.
 Nullmeyer, Frank H., Struthers, Ohio. Rod reel. 1,513,416; Oct. 28.
 Nu-Way Barrel and Machinery Co. (See McClenny, Robert J., assignor.)
 Nu-Way Barrel and Machinery Co. (See McClenny, R. J., and Bardin, assignors.)
 O'Connell, Daniel, Worcester, Mass. Windshield screen for automobiles. 1,513,123; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,513,124; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,513,125; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,513,126; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,513,127; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,513,128; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,513,129; Oct. 28.
 O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,513,130; Oct. 28.
 Oels, Rudolph C. G. S., Brooklyn, N. Y. Vacuum container. 1,513,264; Oct. 28.
 Offenhauer, Christopher, Philadelphia, Pa. Method of and apparatus for molding and linking sausages. 1,513,265; Oct. 28.
 Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
 Ohio Cultivator Company, The. (See Griffith, Richard H., assignor.)
 Oldfield, John F., Bel Air, Md. Flexible chain mat for pneumatic and other tires. 1,513,266; Oct. 28.
 Olney, George W., assignor to Baker Valve Company, Minneapolis, Minn. Ring-cutting machine. 1,513,671; Oct. 28.
 Onan, David W., Minneapolis, Minn. Apparatus for testing electrical systems. 1,513,672; Oct. 28.

O'Rourke, Frank J., Whitestone, N. Y. Fountain pen. 1,513,063; Oct. 28.
 Otis Automatic Train Control Incorporated. (See Bissell, David J., Jr., assignor.)
 Otis Elevator Co. (See Boyce, John E., assignor.)
 Otis, Spencer, Chicago, Ill. Railway coaling terminal. 1,512,946; Oct. 28.
 Owen, David T. (See Lehmann, W. G., and Rehn, assignors.)
 Packard, Neal G., Sand Springs, Okla. Automatic cut-out. 1,513,064; Oct. 28.
 Page, Victor W., New York, N. Y. Breather pipe. 1,512,947; Oct. 28.
 Palmer, Clinton D., assignor to Sears, Roebuck and Co., Chicago, Ill. Addressing machine. 1,513,131; Oct. 28.
 Panoer Rubber Company. (See Donnelly, J. F., and Johnson, assignors.)
 Parish, Winifred B. (See Schwartz, Morris, assignor.)
 Parke, Davis & Company. (See Kyrides, Lucas P., assignor.)
 Parker, Henry C., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for determining iron concentration. 1,513,558; Oct. 28.
 Parker, Joseph N., Bedford City, Va. Plow. 1,513,559; Oct. 28.
 Parker, Joseph N., Bedford City, Va. Riding-sulky tractor implement. 1,513,560; Oct. 28.
 Parker, Lee H., assignor to Spray Engineering Company, Boston, Mass. Plural-fluid nozzle and method of liquid distribution. 1,513,024; Oct. 28.
 Parks, Leo C., Colliers, W. Va. Safety guard. 1,513,267; Oct. 28.
 Pawley, John B., Binghamton, assignor, by mesne assignments, to Anson Photoproducts, Inc., New York, N. Y. Automatic film-winding camera. 1,513,268; Oct. 28.
 Pearce, John S., Vancouver, British Columbia, Canada. Furnace. 1,513,065; Oct. 28.
 Pearson, James H., Bloomfield, Ind. Roofing trough. 1,513,673; Oct. 28.
 Peebles, Thomas A., Pittsburgh, Pa. Supplying fuel to furnaces. 1,513,417; Oct. 28.
 Peck, Floyd J. (See Tompkins, James A., assignor.)
 Peerless Light Company. (See Herskovitz, Max, assignor.)
 Peerless Motor Car Company, The. (See Sherbondy, Earl H., assignor.)
 Peiffer, Guy H., assignor to Anthracite Motor Sales Co., Hazleton, Pa. Thermostat. 1,513,517; Oct. 28.
 Peirce, Elizabeth H., Chicago, Ill. Stocking darning. 1,512,948; Oct. 28.
 Pekett Headwear Co., et al. (See Weinstein, M., and Goldstein, assignors.)
 Pennsylvania Pump & Compressor Co. (See Raymond, Ward, assignor.)
 Perkins, Thomas S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,513,269; Oct. 28.
 Peters, Anton, Dortmund, Germany. Glass guard for miners' incandescent lamps. 1,513,625; Oct. 28.
 Peterson, Peter I., William, Minn. Automatic electric control for elevators. 1,513,418; Oct. 28.
 Peyser, Joseph, Mount Vernon, N. Y. Seaming mechanism. 1,513,270; Oct. 28.
 Pflaume, Julius R., Melrose Park, assignor of one-half to S. Karlen, Berkeley, Ill. Valve mechanism for internal-combustion engines. 1,513,468; Oct. 28.
 Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Motor truck. 1,513,343; Oct. 28.
 Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Motor truck. 1,513,344; Oct. 28.
 Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Motor truck. 1,513,345; Oct. 28.
 Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Motor truck. 1,513,346; Oct. 28.
 Pfleger, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Motor truck. 1,513,347; Oct. 28.
 Picken, Alfred M., Rushden, England. Machine for operating on laced boots and shoes. 1,513,002; Oct. 28.
 Pioneer Instrument Company. (See Titterton, Morris M., assignor.)
 Pittsburgh Plate Glass Company. (See Goldtharp, Fredrick, assignor.)
 Pittsburgh Steel Company. (See Bull, George E., assignor.)
 Phelps, George H. (See Bennett, I. T., and Phelps, and Phillips, John F., See Welch, E. F., Farrow, and Phillips.)
 Phreaner, David A. (See Watson, Byron S., assignor.)
 Pletsch, Henry, assignor to American Washing Machine Company, Chicago, Ill. Washing machine. 1,513,003; Oct. 28.
 Podhradsky, Zdenko, Astoria, assignor to H. R. Mallinson & Co., Inc., New York, N. Y. Jacquard attachment for looms. 1,513,271; Oct. 28.
 Pond, John K., Laurinburg, N. C. Saw clamp. 1,513,004; Oct. 28.
 Pott, John J., St. Louis, Mo. Loose-leaf binder. 1,513,518; Oct. 28.
 Pourroy, Armand V., Oakland, Calif. Sheet-metal piston. 1,513,272; Oct. 28.
 Powell, Alvah L., Miles City, Mont., assignor, by mesne assignments, to The A. L. Powell Power Company Incorporated. Mechanical movement. 1,513,181; Oct. 28.

Powell, A. L., Power Company, The. (See Powell, Alvah L., assignor.)
 Power, Charles M., assignor to United States Chain & Forging Co., Pittsburgh, Pa. Cross-chain connector for antiskid devices. 1,513,419; Oct. 28.
 Powis, Richard. (See Barbeau, M. L., and Powis.)
 Prescott, Thomas, Stockton, Calif. Automatic trap-nest register. 1,513,420; Oct. 28.
 Presner, Joseph. (See Enzer, J., Gifford, and Presner.)
 Pribe, Herman C., Blue Island, Ill. Car truck equipped with brakes. 1,513,519; Oct. 28.
 Pringle, William T., assignor to V. V. Filings Company, Philadelphia, Pa. Switch mechanism. 1,513,626; Oct. 28.
 Proctor & Schwartz, Inc. (See Ayres, E. B., and Hurxthal, assignors.)
 Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)
 Pruzan, Walter E., New York, N. Y. Brassières. 1,513,520; Oct. 28.
 Puller, Louis E., Los Angeles, Calif. Spring cover. 1,513,182; Oct. 28.
 Pursell, Thomas F., New York, N. Y. Eyeglass frame. 1,513,183; Oct. 28.
 Qunsel, Henry, Towanda, Ill. Governor attachment. 1,513,421; Oct. 28.
 Quick, Paul H., assignor to Kingsboro Silk Mills, Inc., Gloversville, N. Y. Warp knit fabric and making the same. 1,513,066; Oct. 28.
 Quinn, James J., Mimico, Ontario, Canada. Meat-slicing machine. 1,513,005; Oct. 28.
 Radio Corporation of America. (See Weinberger, Julius, assignor.)
 Radio Phone-Krafts. (See Worthington, Everett, assignor.)
 Rail Joint Company, The. (See Gallor, Chester F., assignor.)
 Ramsey, Carrie C., Lebanon, N. J. Demountable rim. 1,513,067; Oct. 28.
 Randerz, Hjalmar J., Backbo Nacka, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Internal-combustion engine. 1,513,273; Oct. 28.
 Rancy, Rebekah E., San Francisco, Calif. Hose guard. 1,513,132; Oct. 28.
 Ransome Concrete Machinery Company. (See Robinson, Arthur P., assignor.)
 Rastetter, Charles A. (See Krick, Homer, assignor.)
 Raymond, Ward, assignor to Pennsylvania Pump & Compressor Co., Easton, Pa. Compressor. 1,513,422; Oct. 28.
 Raymond, Ward, assignor to Pennsylvania Pump and Compressor Company, Easton, Pa. Unloader valve. 1,513,423; Oct. 28.
 Reagan, John G., Cisco, Tex. Header block. 1,513,184; Oct. 28.
 Recker, Adolph C., Oakville, assignor to Chase Co's, Inc., Waterbury, Conn. Acetylene miner's lamp. 1,513,068; Oct. 28.
 Redding, Joseph W., New Haven, Conn. Shade holder. 1,513,006; Oct. 28.
 Regan Safety Devices Company, The. (See Shaver, A. G., and Meisel, assignors.)
 Regina Corporation, The. (See Holmes, Harry W., assignor.)
 Reichhelm, George L., New York, N. Y. Gasifying mechanism. 1,512,949; Oct. 28.
 Reid, Joseph S., Olean, N. Y., assignor to Clark Brothers Company. Belt tightener and alignment device. 1,513,674; Oct. 28.
 Rehn, John. (See Lehmann, W. G., and Rehn.)
 Reinhold, Robert, St. Paul, Minn. Telephone-receiver-hook-lifting device. 1,513,069; Oct. 28.
 Reliance Manufacturing Co. (See Bears, Daniel S., assignor.)
 Remington, Joseph P., Philadelphia, Pa. Sorting mechanism for confection-wrapping machines. 1,513,007; Oct. 28.
 Rendleman, Norman F., Dormont, Pa. Shearing of elongate material. 1,513,070; Oct. 28.
 Reschke, William F., Wichita, Kans. Connecting rod for oil-well walking beams. 1,513,627; Oct. 28.
 Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Spinning or twisting frame. 1,513,008; Oct. 28.
 Rhoderick, George C. (See Thomas, W. S., and Rhoderick.)
 Rhodes, Joseph M., Halls, Tenn. Ice box. 1,513,675; Oct. 28.
 Richards, George M., Chestnut Hill, Pa. Unloader valve. 1,513,424; Oct. 28.
 Ridderstrom, Andrew R., Nahant, assignor, by mesne assignments, to T. C. Rowen, Swampscott, Mass. Channel-clip-turning machine. 1,513,274; Oct. 28.
 Ridderstrom, Andrew R., Nahant, assignor, by mesne assignments, to T. C. Rowen, Swampscott, Mass. Channel-clip-turning method. 1,513,275; Oct. 28.
 Ridgely Trimmer Company, The. (See Galvin, Charles E., assignor.)
 Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Bottle-washing machine. 1,513,628; Oct. 28.
 Robb, David W., Amherst, Nova Scotia, Canada. Air-heating attachment for furnaces. 1,513,425; Oct. 28.
 Robb, Malcolm E., Salem, Mass. Fold confiner for bed-clothing. 1,513,009; Oct. 28.
 Robb, Tilden. (See Russell, S. G., and Robb.)

Robertson, Gregor, Adelaide, South Australia, Australia. Revolving illuminated pillar for advertising purposes. 1,513,521; Oct. 28.
 Robertson, Robert R. (See Burrell, W. C., and Robertson.)
 Robinson, Arthur P., assignor, by mesne assignments, to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete cart. 1,513,469; Oct. 28.
 Roshekto, Michael L. (See McCabe, F. E., and Roshekto.)
 Ross, Justin E., Kansas City, Mo. Trousers support. 1,513,522; Oct. 28.
 Rothhirsch, Michael, Vienna, Austria. Valve for inflatable bags for footballs. 1,513,523; Oct. 28.
 Rouvier, Arturo E., Barcelona, Spain. Brake mechanism applicable to the steering or front wheels of automobiles. 1,513,524; Oct. 28.
 Rowen, Thomas C. (See Coleman, George, assignor.)
 Rowen, Thomas C. (See Ridderstrom, Andrew R., assignor.)
 Rowland, Andrew J., Cincinnati, Ohio. Treating asphalt. 1,513,133; Oct. 28.
 Royer, Nathaniel A., Hartsville, Ohio. Grinder for lawn mowers. 1,513,276; Oct. 28.
 Rukop, Hans, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arrangement for producing electrical oscillations. 1,513,010; Oct. 28.
 Runnels, Walter S., Kalamazoo, Mich. Filing and sawing machine. 1,513,629; Oct. 28.
 Russell, Herbert O., Detroit, Mich., and E. A. Sipp, Dayton, Ohio. Electrical tachometer. 1,513,071; Oct. 28.
 Russell, Samuel G., and T. Robb, assignors to Shakespeare Company, Kalamazoo, Mich. Weedless fishhook. 1,513,011; Oct. 28.
 Rutherford, William R., Spokane, Wash. Pulling device. 1,513,185; Oct. 28.
 Ryan, John T., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Regenerator for breathing apparatus. 1,512,950; Oct. 28.
 Sadowski, Anthony, Girardville, Pa. Window screen and shade. 1,513,277; Oct. 28.
 Sadtler, Edwin B., New York, N. Y. Air register. 1,513,278; Oct. 28.
 Sague, George, Mfg. Corp. (See Lovercheck, Charles L., assignor.)
 Saller & Melvin Manufacturing Company, The. (See Saller, Arthur G., assignor.)
 Saller, Arthur G., assignor to The Saller & Melvin Manufacturing Company, Massillon, Ohio. Lock-washer-making machine. 1,513,720; Oct. 28.
 St. John, Gamaliel C., Greenwich, Conn. Dashpot. 1,513,016; Oct. 28.
 Salac, Rudolph, Buckhols, Tex. Combined hair brush and comb. 1,513,630; Oct. 28.
 Salmon, Edward W., Jr., assignor to L. Fesenmeyer, Baltimore, Md. Film cabinet. 1,513,426; Oct. 28.
 Salmon, Edward W., Jr., assignor to L. Fesenmeyer, Baltimore, Md. Filing and storage cabinet. 1,513,631; Oct. 28.
 Sandberg, Gustaf, San Francisco, Calif. Convertible utensil. 1,513,427; Oct. 28.
 Sanford, Andrew J., assignor to A. H. Halsey & Co., Newark, Ohio. Dish or similar article. Des. 65,870; Oct. 28.
 Sanitary Scale Company. (See Ludlow, G. H., and Adams, assignors.)
 Sargent & Company. (See Shaw, John H., assignor.)
 Sarseni, Joel, Stoke Newington, London, England. Tobacco pipe. 1,513,428; Oct. 28.
 Saunders, Gerald. (See McKnight, A. A., and Saunders.)
 Sawford, Frank, Vancouver, British Columbia, Canada. Coal pulverizer. 1,513,279; Oct. 28.
 Saxton, Harry B., Portland, Ore. Cap and the like. 1,513,632; Oct. 28.
 Searle, Robinson P., Toledo, Ohio. Combined cigarette and match case. 1,513,134; Oct. 28.
 Sears, Roebuck and Co. (See Hoffman, Rudolph, assignor.)
 Sears, Roebuck and Co. (See Palmer, Clinton D., assignor.)
 Secor, John A., assignor to Advance-Rumely Company, Laporte, Ind. Reatomizer. 1,512,952; Oct. 28.
 Seydel Chemical Company. (See Spencer, Hugh M., assignor.)
 Schaefer, Frederic, Pittsburgh, Pa. Cotter pin. 1,512,951; Oct. 28.
 Scheller, Otto, Berlin-Lichterfelde-West, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Apparatus for regulating the voltage of alternating current systems. 1,513,633; Oct. 28.
 Schernally, Joseph, Wichita, Kans. Oil burner. 1,513,634; Oct. 28.
 Schervitz, Carl, Jacksonville, Fla. Last. 1,513,635; Oct. 28.
 Schey, Max, Brooklyn, N. Y. Chain race for rotisserie drive chains. 1,513,012; Oct. 28.
 Schisler, Frank J., Winthrop, Minn. Headlight rectifier. 1,513,186; Oct. 28.
 Schleich Studios, Inc. (See Schleich, William F., assignor.)
 Schleich, William F., assignor to Schleich Studios, Inc., New York, N. Y. Bird cage. Des. 65,871; Oct. 28.

Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Calif. Production and recovery of metals in finely-divided form. 1,513,280; Oct. 28.
 Schmitz, Fred A., assignor to The General Fireproofing Company, Youngstown, Ohio. Side-wall construction for filing cabinets. 1,513,429; Oct. 28.
 Schneider, Frank X., Helena, Mont. Combined joining and fraying machine. 1,513,072; Oct. 28.
 Scholze, Homer A., Catlettsburg, Ky., assignor of one-half to P. E. Hunter, Pittsburgh, Pa. Collapsible sheet-metal container. 1,513,636; Oct. 28.
 Schröter, Fritz, Schmargendorf, near Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Gas relay. 1,513,561; Oct. 28.
 Schuff, David. (See Golden, Max K., assignor.)
 Schultz, Herman J., assignor to W. F. Hall Printing Co., Chicago, Ill. Universal sheeting machine. 1,513,248; Oct. 28.
 Schumacher, Hermann. (See Baumann, E. L., and Schumacher.)
 Schwartz, Morris, assignor of one-half to W. B. Parish, Chicago, Ill. Bushing. 1,513,637; Oct. 28.
 Schwartz, Morris, assignor of one-half to W. B. Parish, Chicago, Ill. Bushing structure. 1,513,638; Oct. 28.
 Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,513,639; Oct. 28.
 Schweitzer, Edmund O., Chicago, Ill. Measuring approximate maximum demands. 1,513,013; Oct. 28.
 Scott, Carl F., Yonkers, N. Y., assignor to General Electric Company. Automotive chassis efficiency-testing dynamometer. 1,513,430; Oct. 28.
 Seovill Manufacturing Company. (See Tompkins, Emerson H., assignor.)
 Scrabie, Carl, Urbana, Ohio. Sound reproducer for talking machines. 1,513,187; Oct. 28.
 Scrabie, Carl, Urbana, Ohio. Sound box for talking machines. 1,513,188; Oct. 28.
 Scudder, Frederick J. (See Taggart, D. M., and Scudder.)
 Shaffer, Larkin R., Garland, Utah. Switch-stand lock. 1,513,431; Oct. 28.
 Shakespeare Company. (See Russell, S. G., and Robb, assignors.)
 Shanck, Roy B., Woodside, N. Y., assignor to American Telephone and Telegraph Company. Arrangement for protecting electrical circuits. 1,512,953; Oct. 28.
 Sharp & Smith. (See Irlx, Harold M., assignor.)
 Shaver, Archibald G., and B. W. Meisel, Chicago, Ill., assignors to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,513,562; Oct. 28.
 Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Shut-out device and the like. 1,513,432; Oct. 28.
 Shaw, Mark B., Downingtown, Pa. Shingle-cutting device. 1,513,640; Oct. 28.
 Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
 Sheehan, Michael J., assignor of one-half to T. J. Charette, New Bedford, Mass. Automatic cone and tube gauge. 1,513,281; Oct. 28.
 Sheets, Thomas H., Shingle, Calif. Power jack. 1,513,282; Oct. 28.
 Sherbondy, Earl H., New York, N. Y., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Internal-combustion engine. 1,513,433; Oct. 28.
 Shippert, Warren A., Chicago, Ill. Teat cup for milking machines. 1,513,189; Oct. 28.
 Simmons Company. (See Collett, Frederick W. H., assignor.)
 Simmons Company. (See Frederick, Clarence H., assignor.)
 Simmons, John W., Cleveland, Ohio. Spindle-straightening device for automobile axles. 1,513,641; Oct. 28.
 Simpson, Arthur E., Dublin, and P. S. White, New Lisbon, Ind. Adjustable crank. 1,513,642; Oct. 28.
 Simpson, Boyd M., Bellefontaine, Ohio. Sand cutting and screening machine. 1,513,283; Oct. 28.
 Simpson, Walter S., assignor to The United Electric Company, Canton, Ohio. Adjustable swivel caster. 1,513,643; Oct. 28.
 Sindelar, Thomas A., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Method and apparatus for forming brake drums. 1,513,644; Oct. 28.
 Singer, Julius M., assignor to Wolverine Bottling Works, Detroit, Mich. Bottle. Des. 65,872; Oct. 28.
 Sinclair, William H., Berkeley, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Paper feed and cutting mechanism for typewriters. 1,513,284; Oct. 28.
 Sipp, Edward A. (See Russell, H. O., and Sipp.)
 Skurniak, Stanley, Chicago, Ill. Window guard. 1,513,676; Oct. 28.
 Slavin, Samuel, Dorchester, Mass. Ventilator. 1,513,285; Oct. 28.
 Sloan, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Static elimination system. 1,513,286; Oct. 28.
 Sloper, Thomas, Devizes, England. Manufacture of tires. 1,513,434; Oct. 28.
 Smallwood, George T., Washington, D. C. Oil burner. 1,513,287; Oct. 28.

Smith, Benjamin C., Westfield, N. J. Internal-combustion engine. 1,513,677; Oct. 28.
 Smith, Elberon D., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Carbide dispenser. 1,513,563; Oct. 28.
 Smith, Elias A. C., assignor to Guggenheim Brothers, New York, N. Y. Recovery of nitrate from caliche. 1,513,014; Oct. 28.
 Smith, Eric M., Saltford, England. Valveless hydraulic apparatus. 1,513,564; Oct. 28.
 Smith, George L., Washington, D. C. Vehicle top frame. 1,513,288; Oct. 28.
 Smith, Henry D., East St. Louis, Ill. System for lubricating internal-combustion engines. 1,512,954; Oct. 28.
 Smith, Herbert J. (See Watson, M., and Smith.)
 Smith, James, Boston, Mass. Controller and regulator. 1,513,645; Oct. 28.
 Smith, James S. B., Brooklyn, N. Y. Catchup cap. 1,513,135; Oct. 28.
 Smith, Millard R., and A. L. Craig, Stanhope, Iowa. Engine. 1,513,190; Oct. 28.
 Smith, Roy H., St. Paul, and R. B. Real, Minneapolis, Minn. Adhesive material. 1,513,191; Oct. 28.
 Smith, William F., Tacoma, Wash. Motor. 1,513,646; Oct. 28.
 Smithson, Rumsey C. (See Nicewarner, R., and Smithson.)
 Snider, Clint B., Independence, Kans. Piston-ring expander. 1,513,289; Oct. 28.
 Snider, William, assignor to H. R. Brungardt, Hastings, Nebr. Spring-leaf lubricator. 1,513,290; Oct. 28.
 Societe Anonyme Adolphe Saurer. (See Laessker, Jean, assignor.)
 Societe Anonyme des Aeroplanes G. Voisin. (See Cayla, Pierre A. F., assignor.)
 Society of Chemical Industry in Basle. (See Tobler, Richard, assignor.)
 Somers, William A. (See Goodman, J., and Somers.)
 Somers, William W., assignor to New England Pressed Steel Company, Natick, Mass. Apparatus for shaping sheet-metal articles. 1,513,565; Oct. 28.
 Speakman Company. (See Fraser, James, assignor.)
 Spencer, Hugh M., Newark, N. J., assignor to Seydel Chemical Company. Alumina coagulant. 1,513,566; Oct. 28.
 Spielman, Maximilian H., New York, N. Y. Lamp structure for motor vehicles. 1,513,192; Oct. 28.
 Spire, Sheldon S., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Sulky plow. 1,513,678; Oct. 28.
 Spiritus, Paul, Detroit, Mich. Floating tool holder. 1,513,647; Oct. 28.
 Splitdorf Electrical Company. (See Libby, Albion D. T., assignor.)
 Spray Engineering Company. (See Parker, Lee H., assignor.)
 Sprigg, Walter P., Boston, Mass. Safety-razor attachment. 1,513,648; Oct. 28.
 Squibb, E. R., and Sons. (See Nitardy, Ferdinand W., assignor.)
 Standard Fittings Company. (See Jernberg, C. R., and Metzger, assignors.)
 Standlee, Harvey R., Mexia, Tex. Swab. 1,513,649; Oct. 28.
 Stanton, Edwin S., Brooklyn, N. Y. Outlet strainer. 1,513,650; Oct. 28.
 Staton, H. V., Burlington, Iowa. Combined cable clamp and light ing. arrester. 1,513,193; Oct. 28.
 Steel Hobbie Manufacturing Company. (See Kaufmann, Jacob, assignor.)
 Stein, Isaac A., Galveston, Tex. Beverage-dispensing apparatus. 1,513,194; Oct. 28.
 Stein, Louis, Chicago, Ill. Index tab. 1,513,136; Oct. 28.
 Steinberger, Louis, Brooklyn, N. Y. Insulator. 1,513,291; Oct. 28.
 Steinberger, Louis, Brooklyn, N. Y. Column-strain insulator. 1,513,292; Oct. 28.
 Steinberger, Louis, Brooklyn, N. Y. Strain insulator. 1,513,293; Oct. 28.
 Stenbol, Carl, Sault Ste. Marie, Ontario, Canada. Gas or air reversing valve. 1,513,015; Oct. 28.
 Stevens, Arthur B., Bridgeton, N. J. Railway-crossing signal. 1,512,955; Oct. 28.
 Stevens, Augustus R., assignor of forty-nine one-hundredths to F. M. Stevens, Lindsay, Calif. Cleaner and polisher. 1,513,195; Oct. 28.
 Stevens, Francis M. (See Stevens, Augustus R., assignor.)
 Stewart, Otho V., Wilkesburg, and L. McCulloch, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Sherdarizing. 1,513,349; Oct. 28.
 Stienke, Walter H. (See Jett, George C., assignor.)
 Stigall, William H., Taft, Calif. Apparatus for separating gas, oil, and sand. 1,513,294; Oct. 28.
 Stone, Tilden J., Leroli, N. C. Combined chair and ironing board. 1,513,651; Oct. 28.
 Stolle, John W., assignor to The Danbury Unbreakable Tool Corporation, Danbury, Conn. Drilling deep holes in wood. 1,513,350; Oct. 28.
 Straesser, Conrad R., Lynbrook, assignor to Atlantic Knitting Mills, New York, N. Y. Knitted fabric or similar article. Des. 65,873; Oct. 28.
 Stratman, Albert J., Los Angeles, Calif. Vaporizer. 1,513,196; Oct. 28.
 Stremel, Arthur. (See Merzenich, William T., assignor.)

Strickland, David A. (See Ward, Daniel W., assignor.)
 Strum Ball Bearing Manufacturing Company. (See Dieck, John, Jr., assignor.)
 Strongson, Herman L., Brooklyn, N. Y. Multiple lamp socket. Des. 65,874; Oct. 28.
 Stuhlmann, Paul. (See Rente, E., and Stuhlmann.)
 Sundean, John M., Hinckley, Minn. Seam. 1,513,197; Oct. 28.
 Swanson, Charles V., Montrose, S. Dak. Connecting-rod and shaft roller bearing. 1,513,652; Oct. 28.
 Swihart, Eraphia A., Topeka, Kans. Automatic fishing pole. 1,513,567; Oct. 28.
 Syracuse Chilled Plow Company. (See Spire, Sheldon S., assignor.)
 Tabulating Machine Company, The. (See Hubbard, Lawrence E., assignor.)
 Taggart, Dawson M., Lancaster, Pa., and F. J. Scudder, Long Island City, assignors to Western Electric Company, Incorporated, New York, N. Y. Measured-service telephone system. 1,513,351; Oct. 28.
 Talbot, Ernest, Lowestoft, England. Piston for use in fluid-pressure engines. 1,513,568; Oct. 28.
 Talley, Randal E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulated bearing. 1,513,295; Oct. 28.
 Tallman, Albert R., Nashville, Tenn. Combined cigarette and match holder. 1,513,653; Oct. 28.
 Tapp, Ralph C. (See La Belle, E., and Tapp.)
 Tarnok, Inc. (See Tarnok, Sigmund, assignor.)
 Tarnok, Sigmund, Macon, Ga., assignor, by mesne assignments, to Tarnok, Inc. Apparatus for fumigating trees, plants, and other vegetation. 1,513,137; Oct. 28.
 Tarnok, Sigmund, Macon, Ga., assignor to Tarnok, Incorporated, New Orleans, La. Fumigating. 1,513,138; Oct. 28.
 Taylor, Thomas E. (See Allenbaugh, George G., assignor.)
 Telegraphische-Gesellschaft mit beschränkter Haftung System Stille. (See Labels, Martin, assignor.)
 Tennessee Furniture Corporation. (See Whomes, Harry, assignor.)
 Thibedeau, George G., Portland, Me. Clothes drier. 1,513,569; Oct. 28.
 Thimmes, George E., Mechanicsville, Iowa. Nonskid automobile chain. 1,513,679; Oct. 28.
 Thomas Manufacturing Company, The. (See Thomas, W. S., and Rhoderick, assignors.)
 Thomas, Wallace S., and G. C. Rhoderick, assignors to The Thomas Manufacturing Company, Springfield, Ohio. Mowing-machine attachment for tractors. 1,512,956; Oct. 28.
 Thompson, Eugene T., Tiffin, Ohio. Trigger attachment for firearms. 1,513,654; Oct. 28.
 Thompson, Henry G., Cleveland, Ohio. Pressed-metal article. 1,513,352; Oct. 28.
 Thornburgh, Donald W., Huntington, Ind. Signal. 1,513,017; Oct. 28.
 Thorne, Edward C., Turfontein, Transvaal, South Africa. Mine skp. 1,513,296; Oct. 28.
 Thurston, Edward P., Habana, Cuba. Typewriter space gauge. 1,513,198; Oct. 28.
 Thurston, John E., Hubbard, Oreg. Piston-ring clamp and file guide. 1,513,073; Oct. 28.
 Tischer, Frank V., assignor to The Boco Company, Dayton, Ohio. Making laminated structures. 1,513,570; Oct. 28.
 Titterton, Morris M., assignor to Pioneer Instrument Company, Brooklyn, N. Y. Straight-line indicator. 1,513,680; Oct. 28.
 Tobler, Richard, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of intermediate products and new intermediate products. 1,513,074; Oct. 28.
 Todd, Roy O., Spooner, Wis. Grease gun. 1,513,470; Oct. 28.
 Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cosmetic-stick holder. Des. 65,875; Oct. 28.
 Tompkins, James A., Healdton, assignor of one-half to F. J. Peck, Wirt, Okla. Wire line and rod coupling. 1,513,199; Oct. 28.
 Toner, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Mold. 1,513,435; Oct. 28.
 Tracy, David D., Jackson, Mich. Apparatus for laying conduits. 1,513,018; Oct. 28.
 Traver, Harry G., Beaver Falls, Pa. Amusement device. 1,512,957; Oct. 28.
 Trembley, Lou J., Los Angeles, Calif. Self-grinding valve. 1,513,075; Oct. 28.
 Tritt, Gerald S. (See Enzer, J., Gifford, and Presner, assignors.)
 Troilands Elektrotechnische Aktiebolag. (See Berglund, Edward S., assignor.)
 Trumbull, Harlan L., and J. B. Dickson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Dispersion of gum into a colloidal substance. 1,513,139; Oct. 28.
 Trundle, George T., Jr., Cleveland, and B. G. Carlson, Cleveland Heights, assignors to The Adams Bag Company, Cleveland, Ohio. Paper-bag-making machine. 1,513,297; Oct. 28.
 Trybulski, Mary, et al. (See Comfort, Michael, assignor.)
 Trybulski, Wojciech alias George, et al. (See Comfort, Michael, assignor.)

Turner, Albert B., New York, N. Y. Folding umbrella. 1,513,655; Oct. 28.
 Turnley, William M., Toronto, Ontario, Canada. Dry-cell battery. 1,512,958; Oct. 28.
 Turrentine, John W., Washington, D. C. Therapeutic product and preparing same. 1,513,298; Oct. 28.
 Udy, Marvlu J., Niagara Falls, assignor, by mesne assignments, to Electro Metallurgical Company, New York, N. Y. Treatment of zinnadium ores. 1,513,200; Oct. 28.
 Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
 Underwood Typewriter Company. (See Vickers, Harry H., assignor.)
 Underwood Typewriter Company. (See Wherry, John A., assignor.)
 Union Steel Products Company, The. (See Burkhardt, Paul, assignor.)
 United Electric Company, The. (See Simpson, Walter S., assignor.)
 United Shank & Findings Company. (See Waterman, Bradford B., assignor.)
 United Shoe Machinery Corporation. (See Glass, Percy R., assignor.)
 United Shoe Machinery Corporation. (See Winkley, Erasmus E., assignor.)
 U. S. Bottlers Machinery Co. (See Risser, Arthur L., assignor.)
 United States Chain & Forging Co. (See Power, Charles M., assignor.)
 United States Chain & Forging Company. (See Utne, Per, assignor.)
 United States Printing and Lithograph Company, The. (See Furste, Henry, assignor.)
 Utne, Per, Edgewood, Pittsburgh, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Bumper for motor vehicles. Re15,938; Oct. 28.
 V. V. Fittings Company. (See Pringle, William T., assignor.)
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,876; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,877; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,878; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,879; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,880; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,881; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,882; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,883; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,884; Oct. 28.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 65,885; Oct. 28.
 Van Dusen, Elmer, Stratford, Conn. Cone vinder with thread-severing attachment. 1,513,471; Oct. 28.
 Vanerka, Albert C., Chicago, Ill. Clip. 1,513,353; Oct. 28.
 Van Gelderen, Frederik M., Enschede, Netherlands. Insulating cap for electrical-cable joints. 1,513,656; Oct. 28.
 Venus Manufacturing Company. (See Milkes, Leah G., assignor.)
 Verl, Camillo, Garfield, N. J. Window. 1,513,657; Oct. 28.
 Vickers, Harry H., Corona, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,513,019; Oct. 28.
 Vietze, Joseph, Hyde Park, Mass. Jacquard loom. 1,513,571; Oct. 28.
 Viquesney, Ernest M., Spencer, Ind. Ash tray or the like. Des. 65,886; Oct. 28.
 Visintainer, Felix, Glacier, Wash. System for locating breaks in electric-power lines. 1,513,076; Oct. 28.
 Vitreous Enameling Company, The. (See Well, Edgar H., assignor.)
 Volkers, Emil, Berlin-Lankwitz, Germany. Electromagnetically-operated switch gear. 1,513,299; Oct. 28.
 Volz, Gotthold E., Detroit, Mich. Magnetic work-handling implement. 1,513,436; Oct. 28.
 Voorhees, Lee J., Binghamton, N. Y., assignor to National Carbon Company, Inc. Electrical switch. 1,513,437; Oct. 28.
 Vose, Edwin W., Beverly, Mass. Tail lamp for vehicles. 1,513,300; Oct. 28.
 Voss, Otto G., Cleveland, Ohio. Press. 1,513,572; Oct. 28.
 Wadsworth, Edward A., Wolcott, assignor to The Hunter Arms Company Inc., Fulton, N. Y. Fore-end construction for firearms. 1,513,658; Oct. 28.

Wadsworth, James M., Fort Worth, Tex. Vapor separator. 1,513,354; Oct. 28.
 Wahlberg, Nils J. A., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Expansion bolt. 1,513,301; Oct. 28.
 Wahlstrom, Charles G., Akron, Ohio. Double-action pump for oil and other wells. 1,513,302; Oct. 28.
 Walker, William L., New York, N. Y. Signaling device. 1,513,140; Oct. 28.
 Wallace, John H. (See Ward, Delbert, assignor.)
 Ward, Daniel W., assignor of one-half to D. A. Strickland, Memphis, Tenn. Switch-operating mechanism for controlling motors. 1,513,681; Oct. 28.
 Ward, Delbert, assignor of forty per cent to J. H. Wallace, Little Rock, Ark. Attachment for player pianos. 1,513,201; Oct. 28.
 Ward, Richard H., Queens, N. Y. Interchangeable electrical connection for carbon brushes. 1,513,355; Oct. 28.
 Wardwell, George W., South Norwalk, Conn., assignor to The Hill Compressor and Pump Company, New York, N. Y. Lubricating and sealing means for rotary pumps. 1,513,659; Oct. 28.
 Waring, Edward M., Brooklyn, N. Y. Electric motor. 1,513,303; Oct. 28.
 Warnock, Wallace S., Chicago, Ill. Printing press. 1,513,438; Oct. 28.
 Warp Twisting-In Machine Company. (See Hanney, T., and Becker, assignors.)
 Waterman, Bradford B., Bridgewater, assignor to United Shank & Findings Company, Boston, Mass. Shank-making machine. 1,512,959; Oct. 28.
 Watson, Byron S., Camden, assignor of one-half to D. A. Phreaner, Audubon, N. J. Fastening device. 1,513,356; Oct. 28.
 Watson, John H., administrator. (See Watson, M., and Smith.)
 Watson, Merrill, deceased, East Orange, N. J., and H. J. Smith, New Haven, Conn.; J. H. Watson, administrator, assignors to American Fibre Cooperaage Company Inc., Dover, Del. Paperboard barrel and making same. 1,513,141; Oct. 28.
 Webb, Henry G., Atlanta, Ga. Auxiliary air supply. 1,513,142; Oct. 28.
 Webber, Owen T., assignor to Marshall Field & Co., Chicago, Ill. Portable food table. 1,513,357; Oct. 28.
 Webster Electric Company. (See Hawkins, William W., assignor.)
 Webster Electric Company. (See Kleckner, Arthur C., assignor.)
 Weide, Hans, Brooklyn, and O. Lorenz, Astoria, N. Y. Radiocabinet. Des. 65,887; Oct. 28.
 Well, Edgar H., assignor to The Vitreous Enamelling Company, Cleveland, Ohio. Manifold. 1,512,961; Oct. 28.
 Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Radio signaling system. 1,512,960; Oct. 28.
 Weinstein Manufacturing Co. et al. (See Weinstein, M., and Goldstein, assignors.)
 Weinstein, Max, and I. Goldstein, assignors of one-half to Weinstein Manufacturing Co. and one-half to Pekett Headwear Co., New York, N. Y. Cap. 1,513,682; Oct. 28.
 Welch, Edward F., P. E. Frarow, and J. F. Phillips, Balboa, Canal Zone, Panama. Gyroscopic-controlled wheeled toy. 1,513,143; Oct. 28.
 Wellman, Samuel K., Cleveland, Ohio. Traction mechanism for tractors. 1,513,144; Oct. 28.
 Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)
 Welsh, John H., Brooklyn, N. Y. Spotlight and color control. 1,513,077; Oct. 28.
 Wemp, Ernest E., Evansville, Ind. Clutch. 1,513,202; Oct. 28.
 Wemp, Ernest E., Detroit, Mich. Clutch. 1,513,203; Oct. 28.
 West, Annie F. W., Pittsburgh, Pa. Hairbrush. 1,513,660; Oct. 28.
 Western Electric Company. (See Allen, Louis M., assignor.)
 Western Electric Company. (See Conway, Roy D., assignor.)
 Western Electric Company. (See Husta, Philip, assignor.)
 Western Electric Company. (See Loewe, Siegmund, assignor.)
 Western Electric Company. (See Taggart, D. M., and Scudder, assignors.)
 Western Wheeled Scraper Company. (See Benbow, James D., assignor.)
 Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Banan, Horace F.)
 Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Copley, Almon W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Cordier, Charles, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)

- Westinghouse Electric & Manufacturing Company. (See Heilmund, Rudolf E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Higbee, Ray F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hodgkins, C. H., and Kindl, assignors.)
 Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kempton, Willard H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kintner, Samuel N., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Loudon, Warren P., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Miner, Douglas F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Perkins, Thomas S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Stewart, O. V., and McCulloch, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Talley, Randal E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils J. A., assignor.)
 Weston, Leroy A., Adams, Mass. Ball for retaining cotton in cans. 1,513,078; Oct. 28.
 Westover, Leslie E., Denver, Colo. Lamp. 1,513,683; Oct. 28.
 Weyrick, Sylvester, Newcastle, Wash. Stump-blasting tool. 1,513,661; Oct. 28.
 Whall, Richard A., Athol, Mass. Tent structure. 1,512,962; Oct. 28.
 Wheelock, Arthur C., Oakland, assignor to California Wall Bed Company, San Francisco, Calif. Wall-bed-concealing means. 1,513,662; Oct. 28.
 Wherry, John A., New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,512,963; Oct. 28.
 Whitecomb, Edmund B., assignor to Industrial Research Corporation, Toledo, Ohio. Tilting headlight. 1,513,722; Oct. 28.
 White, Bruce C., assignor to R. Hoe and Co., New York, N. Y. Plate clamp. 1,513,304; Oct. 28.
 White, Fred C., Mason City, Iowa. Inside tire cord patch. 1,513,204; Oct. 28.
 White, John F., assignor to White Products Company, Chicago, Ill. Radiator cap lock. 1,513,663; Oct. 28.
 White, Philip S. (See Simpson, A. E., and White.)
 White Products Company. (See White, John F., assignor.)
 White Sewing Machine Company. (See Hillel, Foster F., assignor.)
 White, S. S., Dental Manufacturing Company, The. (See Heck, George D., assignor.)
 Whomes, Harry, assignor to Tennessee Furniture Corporation, Chattanooga, Tenn. Process and apparatus for welding metal sheets. 1,513,472; Oct. 28.
 Whyte, Oliver, Co. (See Jordan, T. E., and Henry, assignors.)
 Wickers, Charles E., Passaic, N. J. Making erasers. 1,513,439; Oct. 28.
 Wilkey, Frank H., Camp Point, Ill. Harrow seat. 1,513,145; Oct. 28.
 Williams, Senu C. (See Low, Herbert W., assignor.)
 Williamson, Logan T., Atlanta, Ga. Automobile theft-alarm switch. 1,513,664; Oct. 28.
 Willis, Auberon P. R., Leatherhead, England. Teapot and the like. 1,512,964; Oct. 28.
 Wilson, G., et al. (See Wilson, Robert R., assignor.)
 Wilson, Elihu C., Los Angeles, Calif. Pump. 1,513,146; Oct. 28.
 Wilson, Robert R., Spokane, assignor of forty-five per cent to F. A. Jonas, Walsburg, five per cent to G. Wilson, Spokane, and five per cent to A. V. Bibeau, Walla Walla, Wash. Combination lock. 1,513,721; Oct. 28.
 Wilson, Theodore W., and D. B. Henderson, Eagle Lake, Mich. Automobile rear-housing support. 1,512,965; Oct. 28.
 Wingard, George M., Oxford, Md. Shaft coupling. 1,512,966; Oct. 28.
 Wineland, Benjamin C., Great Bend, Kans. Hat holder. 1,513,665; Oct. 28.
 Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for booking sheet-rubber stock. 1,512,967; Oct. 28.
 Wirt, Landis H., South Bend, Ind. Table attachment for bathtubs. 1,513,440; Oct. 28.
 Wisby, Marius J., Racine, Wis. Phonograph horn. 1,513,358; Oct. 28.
 Wobler, Barney, Payne, Ohio. Method of and device for holding metal rims while shrinking. 1,513,666; Oct. 28.
 Woormley, Harry F., Wilkesburg, assignor to The Westinghouse Air Brake Company, Wheeling, Pa. Automatic electric coupler. 1,512,968; Oct. 28.
 Wolf, Charles E., Dubuque, Iowa. Collar clasp. 1,513,079; Oct. 28.
 Wolverine Bottling Works. (See Singer, Julius M., assignor.)
 Wood, Frank W., Montclair, and P. Grierson, South Orange, N. J. Controlling the activity of work-performing circuits. 1,512,969; Oct. 28.
 Woodman, Ralph R., Pescadero, Calif. Artichoke grader. 1,513,684; Oct. 28.
 Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
 Woodridge, John, Moody, assignor of one-fourth to C. Miller, Waco, and one-fourth to M. L. Carmany, Moody, Tex. Cotton gin. 1,512,970; Oct. 28.
 Worth, Jacques, Paris, France. Flask. Des. 65,888; Oct. 28.
 Worthington, Everett, assignor to Radio Phono-Krafts, San Francisco, Calif. Sound amplifier or similar article. Des. 65,889; Oct. 28.
 Wright, Floyd. (See Mitschka, J. F., and Wright.)
 Wright, Thomas H., Los Angeles, Calif. Monorail. 1,513,205; Oct. 28.
 Yale & Towne Manufacturing Company, The. (See Ledlin, Charles, assignor.)
 Young, George W. (See Cornelius, A. B., and Young.)
 Young, Ernest L., Olathe, Colo. Conveyor chain. 1,513,080; Oct. 28.
 Zahariadis, Nikolaos D., San Francisco, Calif. Tobacco water vacuum pipe. 1,513,147; Oct. 28.
 Zimmerman, Thomas, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Brake. 1,513,359; Oct. 28.
 Zinn, Simon, Inc. (See Dahmen, Charles, assignor.)
 Zolles, John G., Newark, N. J. Coffee urn. 1,512,971; Oct. 28.
 Zsarnay, Bela, assignor of one-half to A. Lewis, Newark, N. J. Galloping horse. 1,512,972; Oct. 28.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF OCTOBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Acid recovery, Phosphoric. H. W. Chariton. 1,513,088; Oct. 28.
 Adapter for eccentric drives, etc. M. L. Barbeau and R. Powis. 1,513,084; Oct. 28.
 Addressing machine. C. D. Palmer. 1,513,131; Oct. 28.
 Adhesive material. R. H. Smith and R. B. Beal. 1,513,191; Oct. 28.
 Advertising device. W. M. Bishop. 1,513,151; Oct. 28.
 Advertising device. M. Matthewman. 1,513,067; Oct. 28.
 Aerial wires, Leading-in connector for. C. V. Morris. 1,512,997; Oct. 28.
 Aeroplane. I. H. Driggs. 1,512,912; Oct. 28.
 Air cleaner. F. A. Donaldson. 1,513,035-6; Oct. 28.
 Air compressor. W. J. Hawkins. 1,513,550; Oct. 28.
 Air-cooled engine. H. B. Massey. 1,513,335; Oct. 28.
 Aircraft landing gear. C. A. Lewis. 1,513,053; Oct. 28.
 Aircraft, Vacuum-forming structure for. B. B. Harding. 1,513,241; Oct. 28.
 Air register. E. B. Sadtler. 1,513,278; Oct. 28.
 Airship of the semirigid type. U. Noble. 1,513,001; Oct. 28.
 Airships and giant flying machines. Floating plant or harbor for. W. E. Dörr, E. A. Lehmann, and E. Lempertz. 1,513,591; Oct. 28.
 Air supply, Auxiliary. H. G. Webb. 1,513,142; Oct. 28.
 Alarm. H. F. Demmer. 1,513,229; Oct. 28.
 Alumina coagulant. H. M. Spencer. 1,513,566; Oct. 28.
 Amusement apparatus. R. Houldsworth. 1,512,985; Oct. 28.
 Amusement apparatus. E. E. Kennedy. 1,513,251; Oct. 28.
 Amusement device. C. C. and E. Menefee. 1,513,338; Oct. 28.
 Amusement device. H. G. Traver. 1,512,957; Oct. 28.
 Anchor. W. Becker. 1,513,025; Oct. 28.
 Andiron or similar article. L. S. Lawson. Des. 65,859; Oct. 28.
 Antiskid chain. Cross-chain connector for. I. G. A. du Rees. 1,512,914; Oct. 28.
 Antiskid device. Cross-chain connector for. C. M. Power. 1,513,419; Oct. 28.
 Antislipping device. B. East. 1,513,530; Oct. 28.
 Applicator. F. W. Nizardy. 1,513,342; Oct. 28.
 Apron, Clothespin. D. London. 1,513,513; Oct. 28.
 Armrest. G. D. Heck. 1,512,983; Oct. 28.
 Artichoke grader. R. R. Woodman. 1,513,684; Oct. 28.
 Article of manufacture. F. Miyata. 1,513,259; Oct. 28.
 Ash tray or the like. E. M. Viquesney. Des. 65,886; Oct. 28.
 Asphalt, Treating. A. J. Rowland. 1,513,133; Oct. 28.
 Auto jack. F. S. Bunker. 1,513,217; Oct. 28.
 Automobile. A. B. Cornelius and G. V. Young. 1,513,227; Oct. 28.
 Automobile axles, Spindle-straightening device for. J. W. Simmons. 1,513,641; Oct. 28.
 Automobile bumper. C. L. Hatchelor. 1,513,149; Oct. 28.
 Automobile bumper. W. R. McGowen. 1,513,250; Oct. 28.
 Automobile bumper bracket. G. F. Kolb. 1,513,046; Oct. 28.
 Automobile bumpers, Attaching bracket for. W. R. McGowen. 1,513,255; Oct. 28.
 Automobile fan device. L. R. Crumb. 1,513,535; Oct. 28.
 Automobile lock. T. N. Burghart. 1,513,218; Oct. 28.
 Automobile rear-housing support. T. W. Wilson and D. B. Henderson. 1,512,965; Oct. 28.
 Automobile side bumper. W. R. McGowen. 1,513,257; Oct. 28.
 Automobile spring. G. Loff. 1,513,055; Oct. 28.
 Automobile switch. W. P. Loudon. 1,513,330; Oct. 28.
 Automobile theft-alarm switch. L. T. Williamson. 1,513,664; Oct. 28.
 Automobiles, Brake mechanism applicable to the steering or front wheels of. A. E. Rouvier. 1,513,524; Oct. 28.
 Automobiles, Curtain mud guard for. W. P. Fleming. 1,513,167; Oct. 28.
 Automobiles, Electrically-operated brake-controlling means for. W. Davis. 1,513,586; Oct. 28.
 Automobiles, Side windshield for. F. H. Flase. 1,513,702; Oct. 28.
 Automobiles, Starting mechanism for. C. H. Hodgkins and C. H. Kindl. 1,513,244; Oct. 28.
 Automobiles, Windshield screen for. D. O'Connell. 1,513,123; Oct. 28.
 Bag. C. E. Kidder. 1,513,462-3; Oct. 28.
 Bag-closing machine. J. Kieldman. 1,513,464; Oct. 28.
 Bags, Attachment for. H. W. Holmes. 1,513,395; Oct. 28.
 Baller. A. Boynton. 1,513,443; Oct. 28.
 Baller bottom. A. Boynton. 1,513,030; Oct. 28.
 Baller, Clean-out. R. C. Baker. 1,513,083; Oct. 28.
 Baling press. J. Alexander. 1,513,573; Oct. 28.
 Bandage, Mastoid. M. Bellock. 1,512,899; Oct. 28.
 Barrel, Knockdown. It. J. McClenney and D. B. Bardin. 1,513,711; Oct. 28.
 Barrels, Manufacturing collapsible. R. J. McClenney. 1,513,712; Oct. 28.
 Bar-supporting pin. W. C. Burrell and R. R. Robertson. 1,512,906; Oct. 28.
 Basket-ball backstop, Adjustable. E. La Belle and R. C. Tapp. 1,513,402; Oct. 28.
 Baskets, Cover-securing means for. J. O. Frizzell. 1,513,235; Oct. 28.
 Bath: See—
 Internal bath.
 Bathtubs, Table attachment for. L. H. Wirt. 1,513,440; Oct. 28.
 Battery: See—
 Dry-cell battery.
 Battery carrier and tester, Dry-. J. Graves. 1,512,982; Oct. 28.
 Beads, System for tying skeins of. C. F. Buffard. 1,513,309; Oct. 28.
 Bearing. J. A. Ham. 1,513,169; Oct. 28.
 Bearing, Antifriction. J. F. O'Connor. 1,513,130; Oct. 28.
 Bearing, Ball. J. Dlesk, Jr. 1,513,375; Oct. 28.
 Bearing, Insulated. R. E. Talley. 1,513,295; Oct. 28.
 Bearings, Apparatus for reaming engine. K. O. Muehlberg. 1,512,998; Oct. 28.
 Bearings in connecting rods, pistons, and the like. Apparatus for reaming. K. O. Muehlberg. 1,512,999; Oct. 28.
 Bedclothing, Fold confiner for. M. E. Robb. 1,513,009; Oct. 28.
 Bed-concealing means. Wall. A. C. Wheelock. 1,513,662; Oct. 28.
 Beet drill, Sugar-. J. Lang. 1,513,613; Oct. 28.
 Belt tightener and alignment device. J. S. Reid. 1,513,074; Oct. 28.
 Belt tightener, Automatic. F. Ackerman. 1,513,473; Oct. 28.
 Beverage-dispensing apparatus. I. A. Stein. 1,513,194; Oct. 28.
 Bicycle attachment. T. M. Exum. 1,513,165; Oct. 28.
 Binder and support therefor, Loose-leaf. B. R. Dutcher. 1,513,538; Oct. 28.
 Binder, Loose-leaf. B. R. Dutcher. 1,513,537; Oct. 28.
 Binder, Loose-leaf. J. J. Pott. 1,513,618; Oct. 28.
 Blasting tool, Stump-. S. Weyrick. 1,513,661; Oct. 28.
 Block: See—
 Header block.
 Boiler furnace. G. S. Kent. 1,513,600; Oct. 28.
 Bolt: See—
 Expansion bolt.
 Boots and shoes, Machine for operating on lasted. A. M. Picken. 1,513,002; Oct. 28.
 Bottle. J. M. Singer. Des. 65,872; Oct. 28.
 Bottle-washing machine. A. I. Rasser. 1,513,628; Oct. 28.
 Box: See—
 Ice box.
 Match box.
 Signal box.
 Storage-battery box.
 Switch box.
 Box, F. F. Hamilton. Des. 65,858; Oct. 28.
 Boxes, Machine for making. H. J. Goss. 1,513,236; Oct. 28.
 Boxes, Stuffing or filling for. O. H. Fritzsche. 1,513,543; Oct. 28.
 Brace: See—
 Vehicle body brace.
 Bracket: See—
 Automobile bumper bracket. Bumper bracket.
 Braiding machine. J. P. King. 1,513,398; Oct. 28.
 Brake: See—
 Bumper-operated brake. Hand brake.
 Brake and accelerator operating mechanism. W. Davis. 1,513,587; Oct. 28.
 Brake. T. Zimmerman. 1,513,359; Oct. 28.

Brake beam. F. Hulsman. 1,513,708; Oct. 28.
 Brake drums, Method and apparatus for forming. T. A. Sindelar. 1,513,644; Oct. 28.
 Brake testers, Indicator for. C. F. Cowdrey. 1,513,493; Oct. 28.
 Brassiere. W. E. Pruzan. 1,513,520; Oct. 28.
 Bread-dispensing device. C. O. Johnson. 1,513,248; Oct. 28.
 Breather pipe. V. W. Page. 1,512,947; Oct. 28.
 Breathing apparatus, Regenerator for. J. T. Ryan. 1,512,950; Oct. 28.
 Brick, Method of and apparatus for making hollow. L. A. Denison. 1,513,590; Oct. 28.
 Brooder. L. C. Byce. 1,513,154; Oct. 28.
 Brush. B. H. Merrihew. 1,513,339; Oct. 28.
 Buckle, Belt. D. S. Bears. 1,513,364; Oct. 28.
 Buildings, Device for use in constructing. E. J. Dougherty. 1,513,697; Oct. 28.
 Bumper. G. F. Kolb. 1,513,047; Oct. 28.
 Bumper bracket. W. R. McGowan. 1,513,714; Oct. 28.
 Bumper for motor vehicles. P. Utne. Re15,938; Oct. 28.
 Bumper-operated brake. E. Buchanan. 1,513,483; Oct. 28.
 Bung and bung bushing. F. E. McCabe and M. L. Roshetko. 1,513,516; Oct. 28.
 Burner: See—
 Oil burner.
 Burner. E. W. Mooring. 1,513,260; Oct. 28.
 Bus-bar structure. D. F. Miner. 1,513,340; Oct. 28.
 Bushing. M. Schwartz. 1,513,637; Oct. 28.
 Bushing structure. M. Schwartz. 1,513,638; Oct. 28.
 Butter from sour cream, Making. H. W. Low. 1,513,331; Oct. 28.
 Button, Collar. C. A. Harms. 1,513,391; Oct. 28.
 Cabinet construction. J. Judelson. 1,513,595; Oct. 28.
 Cable clamp and lightning arrester, Combined. H. Staton. 1,513,193; Oct. 28.
 Cable-making machine. E. A. Conner. 1,513,583; Oct. 28.
 Cable-reeling device. A. F. Muth. 1,513,061; Oct. 28.
 Cage, Bird. W. F. Schleich. Des. 65,871; Oct. 28.
 Calendar, Perpetual. R. C. Lape. 1,513,263; Oct. 28.
 Camera, Automatic film-winding. J. B. Pawley. 1,513,268; Oct. 28.
 Camera stops, Ascertaining. F. Douthitt. 1,513,379; Oct. 28.
 Cameras, Cable release for. R. Carey. 1,513,444; Oct. 28.
 Cameras, Case for containing. C. H. Lyde. 1,513,176; Oct. 28.
 Can: See—
 Oil can.
 Can opener. J. S. Hopkins. 1,513,507; Oct. 28.
 Candy and the like, Container for. R. English. 1,513,251; Oct. 28.
 Cane, Bouncing. E. R. Dumbolton. 1,513,380; Oct. 28.
 Cap. M. Weinstein and I. Goldstein. 1,513,682; Oct. 28.
 Cap and the like. H. B. Saxton. 1,513,632; Oct. 28.
 Carbide dispenser. E. D. Smith. 1,513,563; Oct. 28.
 Card holder. J. V. Bell. 1,513,027; Oct. 28.
 Carpet manufacture, Mechanism for placing tuft yarns in. E. F. Hathaway and W. Dixby. 1,512,928; Oct. 28.
 Carrier system, Half-duplex Morse. H. A. Affel. 1,513,441; Oct. 28.
 Carrier system, Half-duplex Morse. L. Espenschied. 1,513,450-3; Oct. 28.
 Carton. H. Furate. 1,513,318; Oct. 28.
 Car-door lock. J. C. Fritts. Re15,937; Oct. 28.
 Car doors, Device for opening box. F. H. Lawrence. 1,513,512; Oct. 28.
 Car dumper. A. F. Case. 1,513,580; Oct. 28.
 Car roof. C. D. Bonsall. 1,513,477; Oct. 28.
 Cars, Dumping. J. D. Benbow. 1,513,576; Oct. 28.
 Cars, Hand brake for railway. S. B. Haseltine. 1,512,925; Oct. 28.
 Carbon brushes, Interchangeable electrical connection for. R. H. Ward. 1,513,355; Oct. 28.
 Cart, Concrete. A. P. Robinson. 1,513,469; Oct. 28.
 Case: See—
 Sample case.
 Casting ring. B. F. Conaghan. 1,513,312; Oct. 28.
 Caster, Adjustable swivel. W. S. Simpson. 1,513,643; Oct. 28.
 Casting. R. Moldenke. 1,512,996; Oct. 28.
 Catchup cap. J. S. B. Smith. 1,513,135; Oct. 28.
 Cement-block machine. H. and J. H. Besser. 1,512,974; Oct. 28.
 Centrifugal separators, Electrically driving the bowls of. A. Melotte. 1,513,337; Oct. 28.
 Chains, Chain race for rotisserie drive. M. Schey. 1,513,012; Oct. 28.
 Chair and ironing board, Combined. T. J. Stone. 1,513,651; Oct. 28.
 Chair bases, Locking device for. R. K. Dawson. 1,513,695; Oct. 28.
 Chair or similar article. T. J. Cornu. Des. 65,847-9; Oct. 28.
 Channel-clip-turning machine. G. Coleman. 1,513,222; Oct. 28.
 Channel-clip-turning machine. A. R. Ridderstrom. 1,513,274; Oct. 28.
 Channel-clip-turning method. A. R. Ridderstrom. 1,513,275; Oct. 28.

Chassis efficiency-testing dynamometer, Automotive. C. F. Scott. 1,513,430; Oct. 28.
 Cheese cutter. J. Blain. 1,513,476; Oct. 28.
 Chuck. H. R. McConnell. 1,513,332; Oct. 28.
 Cigarette and match case, Combined. R. P. Searle. 1,513,134; Oct. 28.
 Cigarette and match holder, Combined. A. R. Tallman. 1,513,653; Oct. 28.
 Cinematography, Color. R. O. P. Humphery and C. H. Friese-Greene. 1,513,322; Oct. 28.
 Circuit breaker. A. Meyer and W. A. Glock. 1,513,059; Oct. 28.
 Circuit closer, Pressure-operated. T. S. Airey. 1,513,361; Oct. 28.
 Clamp: See—
 Plate clamp. Stomach clamp.
 Saw clamp.
 Clasp: See—
 Collar clasp.
 Cleaner: See—
 Air cleaner.
 Cleaner and polisher. A. R. Stevens. 1,513,195; Oct. 28.
 Cleaner for beans and the like, Pneumatic. F. D. Brown. 1,513,482; Oct. 28.
 Clip. A. C. Vanerka. 1,513,353; Oct. 28.
 Clip or paper fastener. G. P. Krebbel. 1,513,049; Oct. 28.
 Clock and article heater, Combined alarm. A. Ardovino. 1,513,685; Oct. 28.
 Clock dial. W. Frakes. 1,513,317; Oct. 28.
 Clock, Globe. M. Comfort. 1,513,582; Oct. 28.
 Clock, Program. P. Conclenne. 1,513,314; Oct. 28.
 Clock, Recording and wage-computing. W. B. Betts. 1,513,215; Oct. 28.
 Clocks, Self-regulating electric striking mechanism for. K. Burghart and G. Bühler. 1,513,487; Oct. 28.
 Cloth-winding reel. P. H. Lipstate. 1,513,054; Oct. 28.
 Clothes drier. G. G. Thibodeau. 1,513,569; Oct. 29.
 Clothesline tightener. H. A. Cohra. 1,513,445; Oct. 28.
 Clutch. C. P. Clark. 1,513,490; Oct. 28.
 Clutch. E. E. Wemp. 1,513,202-3; Oct. 28.
 Coal pulverizer. F. Sawford. 1,513,279; Oct. 28.
 Coat. T. Davis. Des. 65,853; Oct. 28.
 Coat, Lined. T. Davis. Des. 65,852; Oct. 28.
 Coat, Lined. T. Davis. Des. 65,854; Oct. 28.
 Coffee-measuring container. F. J. Johnson. 1,513,400; Oct. 28.
 Coffee urn. J. G. Zollets. 1,512,971; Oct. 28.
 Collar clasp. C. E. Wolf. 1,513,079; Oct. 28.
 Combination lock. R. R. Wilson. 1,513,721; Oct. 28.
 Combustion control. G. H. Gibson. 1,513,103; Oct. 28.
 Compressor. W. Raymond. 1,513,422; Oct. 28.
 Compressor, Spring. E. L. Dahlquist. 1,513,160; Oct. 28.
 Computing and record tape, Combined. W. B. Betts. 1,513,214; Oct. 28.
 Conductor support. J. Manz. 1,513,258; Oct. 28.
 Conductor holder. J. A. and W. Ness. 1,512,944; Oct. 28.
 Conduits, Apparatus for laying. D. D. Tracy. 1,513,018; Oct. 28.
 Cone and tube gauge, Automatic. M. J. Sheehan. 1,513,281; Oct. 28.
 Cone winder with thread-severing attachment. E. Van Dusen. 1,513,471; Oct. 28.
 Confection-wrapping machines, Sorting mechanism for. J. P. Remington. 1,513,007; Oct. 28.
 Control mechanism. J. R. Mason. 1,513,409; Oct. 28.
 Controller and regulator. J. Smith. 1,513,645; Oct. 28.
 Convertible utensil. G. Sandberg. 1,513,427; Oct. 28.
 Conveyor chain. E. L. Young. 1,513,080; Oct. 28.
 Cosmetic-stick holder. E. H. Tompkins. Des. 65,875; Oct. 28.
 Cotter pin. F. Schaefer. 1,512,951; Oct. 28.
 Cotton fabric, Printed. W. J. Baxter. 1,513,306; Oct. 28.
 Cotton gin. J. Woodbridge. 1,512,970; Oct. 28.
 Cotton in cans, Ball for retaining. L. A. Weston. 1,513,078; Oct. 28.
 Cotton packer. E. A. H. Jacob. 1,513,458; Oct. 28.
 Coupling: See—
 Shaft coupling.
 Course indicator. A. E. Bell. 1,513,026; Oct. 28.
 Cover fastener. M. L. Caumont. 1,513,581; Oct. 28.
 Crank, Adjustable. A. E. Simpson and P. S. White. 1,513,642; Oct. 28.
 Crank shaft. I. T. Bennett and G. H. Phelps. 1,512,973; Oct. 28.
 Crank-shaft-dressing implement. W. N. Metcalf. 1,513,716; Oct. 28.
 Cream remover. J. H. Courmyer. 1,512,908; Oct. 28.
 Crimping machine. G. E. Bull. 1,513,032; Oct. 28.
 Crossing signal. J. Biggle. 1,513,035; Oct. 28.
 Cuff link. W. Dupuis. 1,513,495; Oct. 28.
 Cultivator. R. H. Griffith. 1,513,501; Oct. 28.
 Cup: See—
 Priming cup.
 Current collector. S. S. Matthes. 1,513,058; Oct. 28.
 Current systems, Apparatus for regulating the voltage of alternating. O. Scheller. 1,513,633; Oct. 28.
 Cut-out, Automatic. N. G. Packard. 1,513,064; Oct. 28.
 Cutter: See—
 Cheese cutter. Fabric cutter.
 Dashpot. G. C. St. John. 1,513,016; Oct. 28.

Die: See—
 Sheet-metal-bending die.
 Die for forming hollow blocks. G. W. Denison. 1,513,589; Oct. 28.
 Digger attachment, Potato. I. H. Dow. 1,513,698; Oct. 28.
 Dish. C. H. Moorhead. Des. 65,866; Oct. 28.
 Dish or similar article. A. J. Sanford. Des. 65,870; Oct. 28.
 Dispensing apparatus. G. J. Corporon. 1,513,373; Oct. 28.
 Doll. E. G. McCandlish. Des. 65,862-3; Oct. 28.
 Doll, Novelty. L. Case. 1,513,312; Oct. 28.
 Door lock. S. Edelson. 1,512,915; Oct. 28.
 Door lock. N. B. Hurd. 1,512,986; Oct. 28.
 Door, Sheet-metal. A. S. Barrow. 1,513,363; Oct. 28.
 Dough-dividing machine. W. E. Clayton. 1,513,157; Oct. 28.
 Draft evenner. J. Krondak. 1,513,607; Oct. 28.
 Draft-rigging attachment, Forged steel. C. R. Jernberg and M. A. Metzger. 1,513,553; Oct. 28.
 Drier: See—
 Clothes drier. Waste-heat drier.
 Drier. E. B. Ayres and A. O. Hurxthal. 1,513,474; Oct. 28.
 Drier. J. Judelson. 1,513,593-4; Oct. 28.
 Drier. J. Judelson. 1,513,597-8; Oct. 28.
 Drier. W. M. Schwartz. 1,513,639; Oct. 28.
 Drill: See—
 Beet drill.
 Dry-cell battery. W. M. Turnley. 1,512,958; Oct. 28.
 Drying-control apparatus. A. E. Krick. 1,513,727; Oct. 28.
 Dynamo-electric machines and producing the same, Armature construction for. A. D. T. Libby. 1,513,405; Oct. 28.
 Earth boring, Rotary for. E. E. Greve. 1,513,388; Oct. 28.
 Earthworking machine. J. J. M. Elias. 1,513,496; Oct. 28.
 Ebonite, Production of a substance resembling. H. Frerichs. 1,512,979; Oct. 28.
 Electric coupler, Automatic. H. F. Woernley. 1,512,908; Oct. 28.
 Electric heater. C. H. Buhl and P. Gilbert. 1,513,087; Oct. 28.
 Electric motor. E. M. Waring. 1,513,303; Oct. 28.
 Electric-power lines, System for locating breaks in. F. Visintainer. 1,513,076; Oct. 28.
 Electric-socket-supporting structure. M. Herskovitz. 1,513,393; Oct. 28.
 Electric switch. R. F. Du Coin. 1,513,448; Oct. 28.
 Electrical circuits, Protecting device for. O. Dreyer. 1,512,911; Oct. 28.
 Electrical circuits, Arrangement for protecting. R. B. Shanck. 1,512,953; Oct. 28.
 Electrical oscillations, Arrangement for producing. H. Rukop. 1,513,010; Oct. 28.
 Electrical protective device. H. D. James. 1,513,247; Oct. 28.
 Electrical switch. L. J. Voorhees. 1,513,437; Oct. 28.
 Electrical system. R. E. Hellmund. 1,513,242; Oct. 28.
 Electrical systems, Apparatus for testing. D. W. Onan. 1,513,672; Oct. 28.
 Electrically-heated utensil. F. S. McCullough. 1,513,713; Oct. 28.
 Electrodeposited article and making the same. C. P. Madsen. 1,513,119; Oct. 28.
 Elevator: See—
 Self-leveling elevator.
 Elevator-control system. R. P. Higbee. 1,513,243; Oct. 28.
 Elevator, Self-leveling. J. E. Boyce. 1,513,531; Oct. 28.
 Elevators, Automatic electric control for. P. I. Peterson. 1,513,418; Oct. 28.
 Engine: See—
 Air-cooled engine. Internal-combustion engine.
 Engine. M. R. Smith and A. L. Craig. 1,513,190; Oct. 28.
 Engine cam shafts and bushings, Device for removing and replacing. O. M. Brown. 1,513,031; Oct. 28.
 Engines, Cooling means for internal-combustion. W. S. Harley. 1,513,170; Oct. 28.
 Engines, System for lubricating internal-combustion. H. D. Smith. 1,512,954; Oct. 28.
 Engines, Valve mechanism for internal-combustion. J. R. Pfau. 1,513,468; Oct. 28.
 Envelope and like feed mechanism. C. L. Lovercheck. 1,513,254; Oct. 28.
 Erasers, Making. C. E. Wickers. 1,513,439; Oct. 28.
 Expandable bolt. R. Nicewarner and R. C. Smithson. 1,513,669; Oct. 28.
 Expansion bolt. N. J. A. Wahlberg. 1,513,301; Oct. 28.
 Extensible rack. J. Judelson. 1,513,596; Oct. 28.
 Eyeglass frame. T. F. Pursell. 1,513,183; Oct. 28.
 Eyeglasses. W. J. Herrmann. 1,513,503; Oct. 28.
 Fabric: See—
 Cotton fabric.
 Fabric and making the same, Warp knit. P. H. Quick. 1,513,066; Oct. 28.
 Fabric cutter. W. R. Barrett. 1,513,688; Oct. 28.
 Fabric-drying machine. E. Cadgene and G. Dupont. 1,513,369; Oct. 28.

Fastener or garter loop. C. A. Goddard. 1,513,319; Oct. 28.
 Fastener, Separable. A. J. Lewis. 1,513,710; Oct. 28.
 Fastener-setting machine. P. R. Glass. 1,512,922; Oct. 28.
 Fastening device. B. S. Watson. 1,513,356; Oct. 28.
 Faucet, Tank-wagon. J. J. Fortier and L. V. Claire. 1,513,038; Oct. 28.
 Fiber boards, Method of and apparatus for sharply bending. A. Elmendorf. 1,512,916; Oct. 28.
 Fibrous material, Composition of matter for treating. M. D. Easton. 1,513,316; Oct. 28.
 Filing and sawing machine. W. S. Runnels. 1,513,629; Oct. 28.
 Filing and storage cabinet. E. W. Salmon, jr. 1,513,631; Oct. 28.
 Filing cabinets, Side-wall construction for. F. A. Schmitz. 1,513,429; Oct. 28.
 Film cabinet. E. W. Salmon, jr. 1,513,426; Oct. 28.
 Filter. H. B. Hartman. 1,513,392; Oct. 28.
 Filter, Water. T. K. Miller. 1,513,068; Oct. 28.
 Filtration apparatus. O. B. Dupue. 1,512,977; Oct. 28.
 Firearms, Fore-end construction for. E. A. Wadsworth. 1,513,658; Oct. 28.
 Firearms, Trigger attachment for. E. T. Thompson. 1,513,654; Oct. 28.
 Firing rack bars. M. Litt. 1,513,617; Oct. 28.
 Fishhook. M. W. Koski. 1,513,400; Oct. 28.
 Fishhook, Weedless. S. G. Russell and T. Robb. 1,513,011; Oct. 28.
 Fishing pole, Automatic. E. A. Swihart. 1,513,567; Oct. 28.
 Flash light. E. R. Barany. 1,513,211; Oct. 28.
 Flask. J. Worth. Des. 65,888; Oct. 28.
 Flowerpot. A. Anderson and V. Axelson. Des. 65,842; Oct. 28.
 Fluid dispenser. J. J. Catron. 1,513,155; Oct. 28.
 Frame: See—
 Eyeglass frame. Sign frame.
 Hiddle frame. Spinning or twisting frame.
 Picture frame. Vehicle top frame.
 Freight check. F. A. Dawson. 1,513,162; Oct. 28.
 Frequency-changing device. S. Loewe. 1,512,941; Oct. 28.
 Friction lining. H. Cory and O. D. Gray. 1,513,492; Oct. 28.
 Fuel to furnaces, Supplying. T. A. Peebles. 1,513,417; Oct. 28.
 Fumigating. S. Tarnok. 1,513,138; Oct. 28.
 Fumigating and disinfecting. W. S. Landis and G. H. Buchanan. 1,513,051; Oct. 28.
 Fumigating trees, plants, and other vegetation, Apparatus for. S. Tarnok. 1,513,137; Oct. 28.
 Furnace: See—
 Boiler furnace.
 Furnace. J. S. Pearce. 1,513,065; Oct. 28.
 Furnaces, Air-heating attachment for. D. W. Robb. 1,513,425; Oct. 28.
 Fuse and switch block, Combined. C. H. Bissell. 1,513,691; Oct. 28.
 Fuse, Projectile. W. J. Hawkins. 1,513,549; Oct. 28.
 Folding machine. G. J. Dormandy. 1,513,322; Oct. 28.
 Folding mechanism. H. M. Barber. 1,513,575; Oct. 28.
 Folding table. A. E. Beaudette. 1,513,150; Oct. 28.
 Food table, Portable. O. T. Webber. 1,513,357; Oct. 28.
 Game. E. J. Neiner. 1,513,261; Oct. 28.
 Game. B. G. de Woolfson. 1,513,447; Oct. 28.
 Game of chance, Apparatus for playing. J. Greig. 1,513,500; Oct. 28.
 Garment, Apparel. W. Kops. 1,513,555; Oct. 28.
 Garden implements, Reinforcing breast for. P. Della Monica. 1,513,179; Oct. 28.
 Garment supporter. W. B. Fox. 1,513,099; Oct. 28.
 Gas heater. L. S. Lawson. Des. 65,860; Oct. 28.
 Gasifying mechanism. G. L. Reichheim. 1,512,949; Oct. 28.
 Gaslighter. S. E. Guinn. 1,513,704; Oct. 28.
 Gas, oil, and sand, Apparatus for separating. W. H. Stigall. 1,513,294; Oct. 28.
 Gases, Apparatus and process for removing noncondensable. B. E. Hill. 1,513,172; Oct. 28.
 Gasoline-supply lock. M. H. Brede. 1,513,481; Oct. 28.
 Gas or air reversing valve. C. Stenbol. 1,513,015; Oct. 28.
 Gas relay. F. Schröter. 1,513,561; Oct. 28.
 Gas scrubber, Producer. H. W. Bamber. 1,513,528; Oct. 28.
 Gauge: See—
 Typewriter space gauge.
 Gear shift, Automatic. J. F. Mitschka and F. Wright. 1,513,341; Oct. 28.
 Gearing, Toothed. A. F. Mackay. 1,513,621; Oct. 28.
 Glass, Process and apparatus for forming and annealing sheet. F. Gelstharp. 1,513,544; Oct. 28.
 Gold leaf, Manufacture of. F. Demel. 1,513,696; Oct. 28.
 Golf-bag support. R. A. Davis, jr. 1,513,092; Oct. 28.
 Governor attachment. H. Quensel. 1,513,421; Oct. 28.
 Grab, Hand. V. M. Bartlett. 1,513,023; Oct. 28.
 Grain-cleaning device. W. T. Merzenich. 1,513,623; Oct. 28.
 Grain soaker. A. J. Kruger. 1,513,174; Oct. 28.
 Grape juices, Process and apparatus for concentrating. E. A. Barbet. 1,513,305; Oct. 28.

Grinder, Cylinder. H. Kosmos. 1,513,604; Oct. 28.
Guard, Safety. L. C. Parks. 1,513,267; Oct. 28.
Gum into a colloidal substance, Dispersion of. H. L. Trumbull and J. B. Dickson. 1,513,139; Oct. 28.
Gun, Air. W. A. McLean. 1,512,993; Oct. 28.
Gun, Grease. R. O. Todd. 1,513,470; Oct. 28.
Gun mounting, Trip. C. D. Lovelace. 1,512,992; Oct. 28.
Hairbrush. A. F. W. West. 1,513,660; Oct. 28.
Hairbrush and comb, Combined. R. Salnc. 1,513,630; Oct. 28.
Hair curler. G. G. Condon. 1,513,091; Oct. 28.
Hammer, Power. C. B. Coates. 1,513,220; Oct. 28.
Hand brake. J. F. O'Connor. 1,513,129; Oct. 28.
Handle: See—
Knife handle.
Harness, Anchor for safety. A. E. Millies. 1,513,121; Oct. 28.
Harrow seat. F. H. Wilkey. 1,513,145; Oct. 28.
Harp hook. I. Fritsch. 1,513,234; Oct. 28.
Hat holder. B. C. Wineland. 1,513,605; Oct. 28.
Hay press. R. R. Bowers. 1,513,579; Oct. 28.
Header block. J. C. Reugan. 1,513,184; Oct. 28.
Headlamp, Dirigible. S. A. Heater. 1,513,502; Oct. 28.
Headlamp for automobiles. W. E. Marshall and P. G. P. McCulloch. 1,513,715; Oct. 28.
Headlight, Automobile. J. H. Laird. 1,512,989; Oct. 28.
Headlight rectifier. F. J. Schister. 1,513,186; Oct. 28.
Headlight, Tilt. E. B. Whitcomb. 1,513,722; Oct. 28.
Headlights, Headlight dimmer for automobile. C. Bohlson. 1,513,216; Oct. 28.
Heater: See—
Electric heater.
Heaters, Mounting resistance elements of electric. J. Gyuris. 1,513,239; Oct. 28.
Heating apparatus. J. C. Hornung. 1,513,508; Oct. 28.
Hole frame. J. Kaufmann. 1,512,935; Oct. 28.
Helicopter. E. Beatty. 1,513,529; Oct. 28.
Hog catching and ringing chute. A. D. Mayes. 1,513,330; Oct. 28.
Hole, Rotary. E. E. Greve. 1,513,387; Oct. 28.
Hollow articles, Apparatus for making. R. L. Bruck. 1,513,086; Oct. 28.
Hook: See—
Harp hook.
Hopper, Seed. W. H. Coursey. 1,513,034; Oct. 28.
Horse, Galloping. B. Zsarnay. 1,512,972; Oct. 28.
Hose guard. R. E. Rancy. 1,513,132; Oct. 28.
Hose supporter. P. Cohen. 1,513,221; Oct. 28.
Ice, Apparatus for making. M. H. Baxter. 1,513,689; Oct. 28.
Ice box. J. M. Rhodes. 1,513,675; Oct. 28.
Ice-cream container, Edible. A. A. McKnight and G. Saunders. Des. 65,865; Oct. 28.
Illuminated pillar for advertising purposes, Revolving. G. Robertson. 1,513,521; Oct. 28.
Incense burner. S. Morita. Des. 65,867-8; Oct. 28.
Index tab. L. Stein. 1,513,136; Oct. 28.
Indicator: See—
Course indicator.
Straight-line indicator.
Indicator. F. M. Cook. 1,513,158; Oct. 28.
Inductive disturbances, Minimizing. A. W. Copley. 1,513,224; Oct. 28.
Insulating cap for electrical cable joints. F. M. van Gelderen. 1,513,656; Oct. 28.
Insulating lagging, Heat. H. Bohlander. 1,513,723; Oct. 28.
Insulator. L. Steinberger. 1,513,291; Oct. 28.
Insulator, Column-strain. L. Steinberger. 1,513,292; Oct. 28.
Insulator, Disk-type. C. Aalborg. 1,513,206; Oct. 28.
Insulator, Strain. L. Steinberger. 1,513,293; Oct. 28.
Intermediate products and new intermediate products, Manufacture of. R. Tobler. 1,513,074; Oct. 28.
Internal bath. W. J. Nace. 1,513,000; Oct. 28.
Internal-combustion engine. E. R. Burnett. 1,513,310-11; Oct. 28.
Internal-combustion engine. A. M. Irish. 1,513,307; Oct. 28.
Internal-combustion engine. H. J. Randerz. 1,513,273; Oct. 28.
Internal-combustion engine. E. H. Sherbondy. 1,513,433; Oct. 28.
Internal-combustion engine. B. C. Smith. 1,513,077; Oct. 28.
Ion concentration, Method of and apparatus for determining. H. C. Parker. 1,513,558; Oct. 28.
Jack: See—
Auto jack.
Power jack.
Jack. H. H. Lampert. 1,513,252; Oct. 28.
Jack. H. Maino. 1,513,334; Oct. 28.
Jar wrench. H. H. Buverard. 1,513,164; Oct. 28.
Jelly base containing pectin, Dry-powder. H. T. Leo. 1,513,615; Oct. 28.
Joining and fraying machine, Combined. F. X. Schneider. 1,513,072; Oct. 28.
Joint: See—
Pipe expansion joint.
Rail joint.
Kitchen cabinet. R. Hoffman. 1,513,111; Oct. 28.
Knife handle, Putty and scraper. C. E. Galvin. 1,512,920; Oct. 28.
Knitted fabric or similar article. C. R. Strassner. Des. 65,873; Oct. 28.
Label for cloth bolts, End. J. W. Little, Jr. Re15,939; Oct. 28.

Laboratories, Test tube for clinical and bacteriological. E. Abrahadian. 1,513,360; Oct. 28.
Lace-finishing machine. A. F. Dehnert. 1,513,588; Oct. 28.
Lace with net or tullelike groundwork. E. Bente and P. Stuhlmann. 1,513,577; Oct. 28.
Lace with stellated meshes. E. Bente and P. Stuhlmann. 1,513,578; Oct. 28.
Laminated structures, Making. F. V. Tischer. 1,513,570; Oct. 28.
Lamp. L. E. Westover. 1,513,683; Oct. 28.
Lamp, Acetylene miner's. A. C. Recker. 1,513,068; Oct. 28.
Lamp bracket and spool holder, Combined. M. K. Golden. 1,513,039; Oct. 28.
Lamp for vehicles, Tail. E. W. Vose. 1,513,300; Oct. 28.
Lamp, Incandescent. A. L. Lombos. 1,513,407; Oct. 28.
Lamp socket, Multiple. H. L. Strongson. Des. 65,874; Oct. 28.
Lamp structure for motor vehicles. M. H. Spielman. 1,513,192; Oct. 28.
Lamps, Glass guard for miners' incandescent. A. Peters. 1,513,625; Oct. 28.
Lamps, Illumination indicator for. H. A. Gerken. 1,513,545-6; Oct. 28.
Lantern. C. L. Cobb. 1,513,533; Oct. 28.
Lantern and spotlight, Combination electric. W. H. Calhoun. 1,513,480; Oct. 28.
Last. H. F. Loewer. 1,513,618; Oct. 28.
Last. C. Schervitz. 1,513,635; Oct. 28.
Latch, Door. W. C. Devereaux. 1,513,094; Oct. 28.
Lath. H. W. Melling. 1,512,995; Oct. 28.
Lead, Refining. E. S. Berglund. 1,513,307; Oct. 28.
Letter-file mechanism. L. Kramer. 1,513,325; Oct. 28.
Light: See—
Flash light.
Lighting, Incandescent electric. C. A. B. Halvorson, Jr. 1,512,923; Oct. 28.
Lip-stick holder. E. P. Benois. Des. 65,844; Oct. 28.
Liquid dispenser. E. W. Bullard. 1,513,485; Oct. 28.
Liquids, Purifying. A. L. Benoit. 1,513,690; Oct. 28.
Lock: See—
Automobile lock.
Radiator-cap lock.
Car-door lock.
Safe lock.
Combination lock.
Sash lock.
Door lock.
Switch-stand lock.
Gasoline-supply lock.
Yoke lock.
Lock. C. Ledin. 1,512,930; Oct. 28.
Lock. M. Levine. 1,512,991; Oct. 28.
Lock. T. B. Morehouse. 1,513,718; Oct. 28.
Locking device, Differential. J. F. Boigiano. 1,513,029; Oct. 28.
Lock-washer-making machine. A. G. Saller. 1,513,720; Oct. 28.
Locomotive and car wheel flange lubricator. J. B. Irwin and H. E. Felter. 1,513,166; Oct. 28.
Locomotive and similar vehicle provided with condensers. F. Ljungström. 1,513,329; Oct. 28.
Locomotive provided with air-cooled condenser. F. Ljungström. 1,513,328; Oct. 28.
Loom, Jacquard. J. Vletze. 1,513,571; Oct. 28.
Looms, Jacquard attachment for. Z. Podhradsky. 1,513,271; Oct. 28.
Looms, Warp-controlled controlling means for. T. Hanney and J. H. Becker. 1,513,041; Oct. 28.
Lubricator: See—
Spring-leaf lubricator.
Lubricator and filler therefor. C. A. Bacon. 1,513,687; Oct. 28.
Magnesium carbonate, Preparation of. A. Hambloch. 1,512,924; Oct. 28.
Magnet. W. W. Hawkins. 1,513,551; Oct. 28.
Magnet. A. C. Kleckner. 1,513,554; Oct. 28.
Manifold. E. H. Weil. 1,512,961; Oct. 28.
Massage appliance. J. C. Bell. 1,513,475; Oct. 28.
Match box. A. Y. S. Album. 1,513,081; Oct. 28.
Mattress-side-stitching machine. F. W. H. Collett. 1,513,090; Oct. 28.
Measuring approximate maximum demands. E. O. Schweitzer. 1,513,013; Oct. 28.
Measuring system. R. D. Evans. 1,513,232; Oct. 28.
Meat-slicing machine. J. J. Quinn. 1,513,005; Oct. 28.
Mechanical movement. A. L. Powell. 1,513,181; Oct. 28.
Mercury and producing the same, Compound of. L. P. Kyrides. 1,513,115; Oct. 28.
Metal article, Pressed. H. G. Thompson. 1,513,352; Oct. 28.
Metals in finely-divided form, Production and recovery of. W. A. Schmidt. 1,513,280; Oct. 28.
Microtome. M. T. Donne. 1,513,093; Oct. 28.
Milk dispenser. A. L. Moron. 1,513,413; Oct. 28.
Milk machines, Teat cup for. W. A. Shippert. 1,513,189; Oct. 28.
Mine skip. E. C. Thorne. 1,513,296; Oct. 28.
Mirror, Hand. G. H. Nevius. Des. 65,869; Oct. 28.
Mitering tube. C. H. Frederick. 1,513,100; Oct. 28.
Mold. F. P. Bunker. 1,512,905; Oct. 28.
Mold. F. J. Tone. 1,513,435; Oct. 28.
Moldable composition and making the same. W. H. Kempton. 1,513,323; Oct. 28.
Monorail. T. H. Wright. 1,513,205; Oct. 28.
Mop, Dish. L. V. Lucia. 1,513,556; Oct. 28.
Motor: See—
Electric motor.
Motor. W. F. Smith. 1,513,646; Oct. 28.

Motor-controlling device. B. S. Aikman. 1,512,898; Oct. 28.
Motors, Fuel-controlling device for. A. B. Hromas. 1,513,511; Oct. 28.
Motors, Operating. W. A. North. 1,513,062; Oct. 28.
Motors, Switch-operating mechanism for controlling. D. W. Ward. 1,513,681; Oct. 28.
Moving bodies by radiant energy, System for control of. J. H. Hammond, Jr. 1,513,108; Oct. 28.
Mowers, Grinder for lawn. N. A. Royer. 1,513,276; Oct. 28.
Musical instrument, Stringed. H. Cremer. 1,513,159; Oct. 28.
Nail-trimming strip, Blind. A. L. Howard. 1,513,510; Oct. 28.
Neckband. D. Feigenbaum. 1,513,700; Oct. 28.
Nest register, Automatic trap. T. Prescott. 1,513,420; Oct. 28.
Nitrate from caliche, Recovery of. E. A. C. Smith. 1,513,014; Oct. 28.
Nonkid automobile chain. G. E. Thimmes. 1,513,679; Oct. 28.
Nozzle and liquid distribution, Plural-fluid. L. H. Parker. 1,513,624; Oct. 28.
Oil burner. J. L. Harp. 1,513,456; Oct. 28.
Oil burner. R. Hoffman. 1,513,110; Oct. 28.
Oil burner. L. E. Johnson. 1,513,461; Oct. 28.
Oil burner. O. Kay. 1,513,599; Oct. 28.
Oil burner. J. Schermuly. 1,513,634; Oct. 28.
Oil burner. G. T. Smallwood. 1,513,287; Oct. 28.
Oil can. A. F. Good. 1,513,385; Oct. 28.
Oil, Process of and apparatus for extracting. A. S. Kirshner. 1,513,603; Oct. 28.
Oil, System and apparatus for refining. C. B. Forward. 1,513,384; Oct. 28.
Oil tanks, Gas-venting apparatus for. W. S. Huff. 1,513,043; Oct. 28.
Ore concentrator. W. A. Butchart. 1,513,693; Oct. 28.
Ores, Treatment of vanadium. M. J. Udy. 1,513,200; Oct. 28.
Oven. W. A. Darrah. 1,513,161; Oct. 28.
Ovens, Carrier for drying. D. M. Luehrs. 1,513,619; Oct. 28.
Overgarment, Child's. L. G. Milkes. 1,513,410; Oct. 28.
Oxygen and nitrogen, Apparatus for production of. J. G. Lafferty. 1,513,116; Oct. 28.
Oxygen combined with the hemoglobin of blood, Method and apparatus for determining the amount of. P. J. Flagg. 1,513,542; Oct. 28.
Package. F. A. Bartlett. 1,513,148; Oct. 28.
Packing and method of making the same. C. C. Hall. 1,513,548; Oct. 28.
Pad: See—
Rug pad.
Sleeve pad.
Pad holder, Insertion. J. E. Myers. 1,513,180; Oct. 28.
Pail-turning machine. E. J. Gagnon. 1,512,980; Oct. 28.
Paper-bag-making machine. G. T. Trundle, Jr., and B. G. Carlson. 1,513,297; Oct. 28.
Paperboard barrel and making same. M. Watson and H. J. Smith. 1,513,141; Oct. 28.
Paper, Marking. W. J. Hughes. 1,513,246; Oct. 28.
Paper receptacle and making the same. E. W. Lombard. 1,513,608; Oct. 28.
Paper weight and picture holder, Combined. J. J. McKay. Des. 65,864; Oct. 28.
Pen, Fountain. F. J. O'Rourke. 1,513,063; Oct. 28.
Pencil holder. M. B. Laird. 1,513,611; Oct. 28.
Phenols in solvent-recovery process, Removal of. J. H. Brégent. 1,513,152; Oct. 28.
Phonograph. E. A. Couturier. 1,513,534; Oct. 28.
Phonograph horn. M. J. Wisby. 1,513,358; Oct. 28.
Phonograph, Magnetic. M. Lebeis. 1,513,403; Oct. 28.
Phonograph record and producing the same. C. P. Madison. 1,513,120; Oct. 28.
Photographic-printing apparatus. W. C. Huebner. 1,513,321; Oct. 28.
Pianos, Attachment for player. D. Ward. 1,513,201; Oct. 28.
Picker check. J. W. and E. L. Jones. 1,513,044; Oct. 28.
Picture frame. F. J. Kristofek. 1,513,050; Oct. 28.
Pin: See—
Bar-supporting pin.
Cutter pin.
Pipe: See—
Breather pipe.
Tobacco pipe.
Smoking pipe.
Tobacco water vacuum-pipe.
Pipe expansion joint, Self-balancing. C. L. Cook. 1,513,315; Oct. 28.
Pipe lines, Treating. A. C. Campbell. 1,513,371; Oct. 28.
Pipe wrench. A. F. Muth. 1,513,060; Oct. 28.
Piston for use in fluid-pressure engines. E. Talbot. 1,513,568; Oct. 28.
Piston-ring clamp and file guide. J. E. Thurston. 1,513,073; Oct. 28.
Piston-ring expander. C. B. Solder. 1,513,289; Oct. 28.
Piston rings, Process and apparatus for testing the spring power of. J. Laessker. 1,513,610; Oct. 28.
Pitcher. E. Bell. Des. 65,843; Oct. 28.
Planer. H. W. Hacker. 1,513,390; Oct. 28.
Planer. J. E. Lehman. 1,513,614; Oct. 28.
Plaque, Wall. J. Castellana. Des. 65,845; Oct. 28.
Plate clamp. B. C. White. 1,513,304; Oct. 28.
Platens, Brake mechanism for intermittently-moving. E. D. Church. 1,513,582; Oct. 28.
Plow. O. W. Howard. 1,513,245; Oct. 28.

Plow. J. N. Parker. 1,513,559; Oct. 28.
Plow, Sulky. S. S. Spire. 1,513,678; Oct. 28.
Plow, Tractor. E. F. Borgstedt. 1,513,366; Oct. 28.
Pocketbooks, wallets, and the like, Theftproof device for. A. Felscher. 1,513,383; Oct. 28.
Poison-applying device, Fluid. J. J. Martin. 1,513,177; Oct. 28.
Polyphase plate-circuit-excitation system. S. M. Kintner. 1,513,324; Oct. 28.
Powder boxes, Powder-retaining device for toilet. C. E. Nash. 1,513,557; Oct. 28.
Powder trains, Controlling time. A. S. Miller. 1,513,411; Oct. 28.
Power Jack. T. H. Sheets. 1,513,282; Oct. 28.
Press: See—
Haling press.
Printing press.
Hay press.
Press. G. G. Voss. 1,513,572; Oct. 28.
Pressure-control apparatus. S. H. Hunt. 1,512,932; Oct. 28.
Pressure, Indicator and recorder for high. A. Bahnmayer. 1,513,022; Oct. 28.
Pressure, Indicator and recorder for high. A. Bahnmayer. 1,513,022; Oct. 28.
Printing cup. J. Continenza. 1,513,491; Oct. 28.
Printing machine. W. M. Bacon. 1,513,082; Oct. 28.
Printing machine. F. C. Marquardt. 1,512,994; Oct. 28.
Printing press. W. S. Warnock. 1,513,438; Oct. 28.
Printing-press attachment. J. Boothby. 1,513,442; Oct. 28.
Propeller, Portable. G. M. Boyd. 1,512,902; Oct. 28.
Puller: See—
Wheel puller.
Pulley, Fan. E. K. King. 1,513,601; Oct. 28.
Pulley, Grip. L. K. Davis. Re15,935; Oct. 28.
Pulling device. W. R. Rutherford. 1,513,185; Oct. 28.
Pump. J. F. Bradley. 1,513,480; Oct. 28.
Pump. C. Cornwall. 1,513,584; Oct. 28.
Pump. E. T. Larkin. 1,513,062; Oct. 28.
Pump. E. C. Wilson. 1,513,140; Oct. 28.
Pump, air compressor, and vacuum pump, Combination. H. Horn. 1,513,320; Oct. 28.
Pump for oil and other wells, Double-action. C. G. Wahlstrom. 1,513,302; Oct. 28.
Pump, Rotary. O. Jacobsen. 1,512,934; Oct. 28.
Pump system. O. Haentjens. 1,513,705; Oct. 28.
Pump, Traveling barrel. W. E. Ellis. 1,513,699; Oct. 28.
Pumps, Lubricating and sealing means for rotary. G. W. Wardwell. 1,513,659; Oct. 28.
Pumps, Power-transmission attachment for windmill. B. T. Guest. 1,513,040; Oct. 28.
Purifying materials, Apparatus for revivifying. F. W. Manning. 1,513,622; Oct. 28.
Quilts, counterpanes, bedspreads, and similar articles, Weaving of. T. and J. W. Holt. 1,513,505-6; Oct. 28.
Rack: See—
Extensible rack.
Rack and trough, Combined feeding. C. O. Jorenby. 1,512,987; Oct. 28.
Radiator-cap lock. J. F. White. 1,513,663; Oct. 28.
Radiocabinet. H. Weide and O. Lorenz. Des. 65,887; Oct. 28.
Radiodetector. W. C. Lamphier. 1,513,326; Oct. 28.
Radiodynamic mine planter. J. H. Hammond, Jr. 1,513,107; Oct. 28.
Radio signaling system. J. Weinberger. 1,512,960; Oct. 28.
Rail joint. O. G. Cosner. 1,513,033; Oct. 28.
Rail joint, Welded. C. F. Gallor. 1,513,498; Oct. 28.
Railway coaling terminal. S. Otis. 1,512,946; Oct. 28.
Railway-crossing signal. A. D. Stevens. 1,512,955; Oct. 28.
Railway gate for grade crossings, Automatic. E. Kopellovitz. 1,513,048; Oct. 28.
Railway tie. K. Greenfield. 1,513,455; Oct. 28.
Ratchet mechanism. H. G. Allen. 1,513,021; Oct. 28.
Ratchet mechanism. R. Baccelleri. 1,513,209; Oct. 28.
Ratchet wrench, Speed. J. H. Beale and L. Kinch. 1,513,212; Oct. 28.
Razor attachment, Safety. W. P. Sprigg. 1,513,648; Oct. 28.
Razor holder, Safety. J. F. Ferry, sr. 1,513,454; Oct. 28.
Reamer head. E. L. Baumann and H. Schumacher. 1,513,024; Oct. 28.
Reatomizer. J. A. Secor. 1,512,952; Oct. 28.
Receptacle. P. Burkhardt. 1,512,976; Oct. 28.
Reel: See—
Cloth-winding reel.
Rod reel.
Refrigerating machine. M. S. Groh. 1,513,105; Oct. 28.
Register: See—
Air register.
Nest register.
Resilient wheel. O. A. Ludwig. 1,513,175; Oct. 28.
Resilient wheel. F. J. McNulty. 1,513,118; Oct. 28.
Rheostat. F. F. Hillix. 1,512,984; Oct. 28.
Rim, Demountable. G. C. Ramsey. 1,513,067; Oct. 28.
Rim expanding and contracting tool, Demountable. F. W. Chenoweth. 1,513,156; Oct. 28.
Rims while shrinking, Method of and device for holding metal. B. Wobler. 1,513,666; Oct. 28.
Ring: See—
Casing ring.
Ring-cutting machine. G. W. Olney. 1,513,671; Oct. 28.
Rings, Making finger. D. Belais. 1,513,213; Oct. 28.
Roads, buildings, and the like, Treating crevices in. A. C. Fischer. 1,513,382; Oct. 28.

Rod and shaft roller bearing, Connecting. C. V. Swanson. 1,513,652; Oct. 28.
 Rod reel. F. H. Nullmeyer. 1,513,416; Oct. 28.
 Roller: See—
 Shade roller.
 Roofing trough. J. H. Pearson. 1,513,673; Oct. 28.
 Roasting apparatus. J. M. Edwards. 1,512,978; Oct. 28.
 Rubber stock machine for booking sheet. E. E. Winkley. 1,512,967; Oct. 28.
 Rubber, Vulcanizing. Y. Nikaldo. 1,513,122; Oct. 28.
 Rug pad, Sectional. L. C. Letzkus. 1,513,709; Oct. 28.
 Safe-desk, Combination. L. Knaster. 1,512,937; Oct. 28.
 Safe lock. N. E. Donohue. 1,513,230; Oct. 28.
 Safety-deposit apparatus. O. Dieckmann. 1,513,095; Oct. 28.
 Salve, Cuticle and nail. R. P. Fant. 1,513,233; Oct. 28.
 Sample case. A. E. Dobrin. 1,513,163; Oct. 28.
 Sand cutting and screening machine. B. M. Simpson. 1,513,283; Oct. 28.
 Sanitary apron. H. A. Elne. 1,513,701; Oct. 28.
 Sash lock. G. A. Berry. 1,513,308; Oct. 28.
 Sausages, Method of and apparatus for molding the linking. C. Offenhausser. 1,513,263; Oct. 28.
 Saw-blade holder. Hack. D. J. Brennan and J. J. Gilroy. 1,512,904; Oct. 28.
 Saw clamp. J. K. Pond. 1,513,004; Oct. 28.
 Saw gauge and set. F. Noe. 1,513,263; Oct. 28.
 Scale, Platform. C. L. Daily. 1,513,494; Oct. 28.
 Scales, Shipping crate for. G. H. Ludlow and D. W. Adams. 1,513,117; Oct. 28.
 School building and method of seating. J. I. Bright. 1,512,975; Oct. 28.
 Scraper and operating the same, Self loading and unloading. D. R. Knapp. 1,512,936; Oct. 28.
 Screen support. V. C. Johnson. 1,514,592; Oct. 28.
 Screw drivers, Screw-holding attachment for. S. M. Lipscomb. 1,513,406; Oct. 28.
 Seal. C. Knoch, Jr. 1,512,938; Oct. 28.
 Seam. J. M. Sundean. 1,513,197; Oct. 28.
 Seaming mechanism. J. Peyser. 1,513,270; Oct. 28.
 Seat: See—
 Harrow seat. Window seat.
 Seat. H. A. Lamplugh. 1,513,726; Oct. 28.
 Self-leveling elevator. J. E. Boyce. 1,513,531; Oct. 28.
 Separating machine. C. Holmes and E. E. Bringle. 1,513,504; Oct. 28.
 Separator: See—
 Vapor separator.
 Shade holder. J. W. Redding. 1,513,006; Oct. 28.
 Shade roller. J. Goodman and W. A. Somers. 1,513,490; Oct. 28.
 Shade-roller fixture. H. Krick. 1,513,401; Oct. 28.
 Shaft coupling. G. M. Wingard. 1,512,966; Oct. 28.
 Shank-making machine. B. B. Waterman. 1,512,959; Oct. 28.
 Sharpener, Lawn-mower. W. E. Arnold. 1,513,527; Oct. 28.
 Shearing of elongate material. N. C. Rendleman. 1,513,070; Oct. 28.
 Sheathing material. G. C. Blohm. 1,513,365; Oct. 28.
 Sheet material, Feeding mechanism for. H. F. Gruman. 1,513,106; Oct. 28.
 Sheet-metal articles, Apparatus for shaping. W. W. Somersall. 1,513,565; Oct. 28.
 Sheet-metal-bending die. J. Huber. 1,512,931; Oct. 28.
 Sheet-metal boxes, Opening means of or for. F. E. Adams. 1,513,525; Oct. 28.
 Sheet-metal container, Collapsible. H. A. Scholze. 1,513,636; Oct. 28.
 Sheeting machine, Universal. H. J. Schultz. 1,513,348; Oct. 28.
 Sherardizing. O. V. Stewart and L. McCulloch. 1,513,349; Oct. 28.
 Shingle-cutting device. M. B. Shaw. 1,513,640; Oct. 28.
 Shipping receptacle. C. U. Norcross. 1,512,945; Oct. 28.
 Shock absorber. C. E. Arneson. 1,513,686; Oct. 28.
 Shock absorber. A. M. Brenne. 1,512,903; Oct. 28.
 Shock-absorbing mechanism. S. B. Haseltine. 1,512,927; Oct. 28.
 Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,512,926; Oct. 28.
 Shock-absorbing mechanism, Friction. G. Q. Lewis. 1,512,940; Oct. 28.
 Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,513,124-8; Oct. 28.
 Shoe bag and the like. D. London. 1,513,514; Oct. 28.
 Shoes and shoe resulting therefrom, Making. W. H. Goodyear. 1,513,386; Oct. 28.
 Shut-out device. J. H. Shaw. 1,513,432; Oct. 28.
 Sign, Advertising. M. H. Feist. Des. 65,857; Oct. 28.
 Sign frame. H. E. Craft. 1,513,446; Oct. 28.
 Sign, Illuminated. C. A. McNeal. 1,513,056; Oct. 28.
 Signs, Tablets, etc., Manufacture of metal. H. C. Eggert. 1,513,540; Oct. 28.
 Signal: See—
 Crossing signal. Vehicle signal.
 Signal. D. H. Green. 1,513,237; Oct. 28.
 Signal. B. Houghtaling. 1,513,509; Oct. 28.
 Signal. D. W. Thornburgh. 1,513,017; Oct. 28.
 Signal box. H. D. Luker. 1,513,515; Oct. 28.
 Signaling device. W. L. Walker. 1,513,140; Oct. 28.
 Signaling system. H. W. Hitchcock. 1,512,930; Oct. 28.
 Signaling system. P. Husta. 1,512,933; Oct. 28.
 Sintering machine. R. L. Lloyd. 1,513,466; Oct. 28.

Sleeve pad. F. T. Ladner and W. E. Kesterson. 1,513,609; Oct. 28.
 Smokers' articles, Receptacle for. F. H. Doerr. Des. 65,855; Oct. 28.
 Smoking pipe. C. W. Neiswender. 1,513,415; Oct. 28.
 Snowplow. J. F. Flues. 1,513,497; Oct. 28.
 Soda-print process. E. Cadgène and J. Jeandros. 1,513,370; Oct. 28.
 Solids from liquids containing the same, Process and apparatus for separation of. P. G. Dohr. 1,512,909; Oct. 28.
 Sound amplifier or similar article. E. Worthington. Des. 65,889; Oct. 28.
 Spark plug. M. F. Macdonald. 1,513,057; Oct. 28.
 Spinning or twisting frame. A. E. Rhoades. 1,513,008; Oct. 28.
 Spotlight and color control. J. H. Welsh. 1,513,077; Oct. 28.
 Spreader. F. M. and R. M. Kinnard. 1,513,602; Oct. 28.
 Spring cover. L. E. Puffer. 1,513,182; Oct. 28.
 Spring-inserting tool. G. Frisch. 1,513,703; Oct. 28.
 Spring-leaf lubricator. W. Snider. 1,513,290; Oct. 28.
 Spring: See—
 Automobile spring.
 Spring perch. J. L. Hartell. 1,513,042; Oct. 28.
 Spring structures, Fabricating. W. G. Lehmann and J. Reim. 1,512,990; Oct. 28.
 Sprinkler. A. Nuha. 1,513,070; Oct. 28.
 Static disturbances, Receiving circuit for the elimination of. F. Conrad. 1,513,223; Oct. 28.
 Static elimination system. J. Slepian. 1,513,286; Oct. 28.
 Steam, Generating and controlling the generation of. F. T. Kaelin. 1,513,250; Oct. 28.
 Steam trap. L. D. Gott. 1,513,547; Oct. 28.
 Steering gear. H. E. E. V. Bliss. 1,513,530; Oct. 28.
 Stocking darning. E. H. Peirce. 1,512,948; Oct. 28.
 Stomach clamp. H. M. Brix. 1,513,367; Oct. 28.
 Stone distributor, Adjustable. F. E. Arndt. 1,513,208; Oct. 28.
 Storage-battery box, Rubber. A. V. Douglas. 1,513,037; Oct. 28.
 Straight-line indicator. M. M. Titterton. 1,513,680; Oct. 28.
 Strainer, Milk. L. G. Bynum and J. W. Ball. 1,513,488; Oct. 28.
 Strainer, Outlet. E. S. Stanton. 1,513,650; Oct. 20.
 String beans, Machine for cutting up. E. and F. J. Gunther. 1,513,389; Oct. 28.
 Suit, Lady's. T. Davis. Des. 65,851; Oct. 28.
 Swab. H. R. Standlee. 1,513,649; Oct. 28.
 Switch: See—
 Automobile switch. Electric switch.
 Automobile theft-alarm switch. Electrical switch.
 Thermostatic switch.
 Switch box, Safety. C. Cordier. 1,573,225; Oct. 28.
 Switch gear, Electromagnetically-operated. E. Volkers. 1,513,299; Oct. 28.
 Switch mechanism. W. T. Pringle. 1,513,626; Oct. 28.
 Switch-stand lock. L. R. Shaffer. 1,513,431; Oct. 28.
 Table: See—
 Folding table. Food table.
 Tabulating machine. L. E. Hubbard. 1,513,396; Oct. 28.
 Tachometer, Electrical. H. O. Russell and E. A. Sipp. 1,513,071; Oct. 28.
 Tack-pulling device. L. G. Freeman. 1,513,101; Oct. 28.
 Tag holder, Price. J. V. Dunn. 1,513,096; Oct. 28.
 Tacking machine. A. B. and F. B. Crosier. 1,513,725; Oct. 28.
 Talking machines, Sound box for. C. Scrabie. 1,513,188; Oct. 28.
 Talking machines, Sound reproducer for. C. Scrabie. 1,513,187; Oct. 28.
 Tank. A. A. Kramer. 1,513,605; Oct. 28.
 Tap-splitting machine. J. F. Donnelly and E. S. Johnson. 1,513,376-7; Oct. 28.
 Teapot and the like. A. P. R. Willis. 1,512,964; Oct. 28.
 Telephone-exchange system. L. M. Allen. 1,513,362; Oct. 28.
 Telephone-receiver-hook-lifting device. R. Reinhold. 1,513,069; Oct. 28.
 Telephone system. R. D. Conway. 1,512,907; Oct. 28.
 Telephone system. J. E. Hibbush. 1,513,171; Oct. 28.
 Telephone system, Measured-service. D. M. Taggart and F. J. Scudder. 1,513,351; Oct. 28.
 Temple salvage trimmer. E. Cormier. 1,513,226; Oct. 28.
 Tennis net. W. M. MacKenzie. 1,513,467; Oct. 28.
 Tent structure. R. A. Whall. 1,512,962; Oct. 28.
 Testing device. C. P. Clark. 1,513,372; Oct. 28.
 Therapeutic product and preparing same. J. W. Turren-tine. 1,513,298; Oct. 28.
 Thermal relay. H. F. Banan. 1,513,210; Oct. 28.
 Thermal relay. T. S. Perkins. 1,513,260; Oct. 28.
 Thermostat. G. H. Peller. 1,513,517; Oct. 28.
 Thermostatic switch. L. D. Hammon, D. W. McGill, and H. B. Irvine. 1,513,240; Oct. 28.
 Thimble. D. Martineau. 1,512,943; Oct. 28.
 Ticket, Transfer. J. H. Moran. 1,513,412; Oct. 28.
 Tie: See—
 Railway tie.
 Tile and kindred material and making the same. J. C. MacLidow. 1,513,620; Oct. 28.
 Timepiece. G. G. Allenbaugh. 1,513,526; Oct. 28.

Time recorder. J. W. Bryce. 1,513,368; Oct. 28.
 Tire. M. A. Dreher. Des. 65,856; Oct. 28.
 Tire appliance. W. H. Lane. 1,513,612; Oct. 28.
 Tire casings, Molding and vulcanizing pneumatic. J. R. Gammeter. 1,513,102; Oct. 28.
 Tire cord patch, Inside. F. C. White. 1,513,204; Oct. 28.
 Tire-mounting device. G. W. Boyd. 1,513,479; Oct. 28.
 Tire tread. H. B. Constantin. Des. 65,850; Oct. 28.
 Tire tread, Automobile. J. D. Comstock. Des. 65,846; Oct. 28.
 Tires, Flexible chain mat for pneumatic and other. J. F. Oldfield. 1,513,266; Oct. 28.
 Tires, Manufacture of. T. Sloper. 1,513,434; Oct. 28.
 Tobacco-cutting machine. M. Hilmo. 1,512,929; Oct. 28.
 Tobacco pipe. J. Sasien. 1,513,428; Oct. 28.
 Tobacco water vacuum pipe. N. D. Zaharladis. 1,513,147; Oct. 28.
 Toilet article. J. Enzer, H. H. Gifford, and J. Presner. 1,513,098; Oct. 28.
 Toilet seat for infants, Detachable. H. E. McCandless. 1,513,408; Oct. 28.
 Tool for use on noncircular work. D. Bourque. 1,513,478; Oct. 28.
 Tool holder, Floating. P. Spiritus. 1,513,647; Oct. 28.
 Toothbrush. C. H. Gracey. 1,513,104; Oct. 28.
 Toothbrush. F. H. Mayhood. 1,513,178; Oct. 28.
 Toothbrush holder. N. M. Mahaffy. 1,512,942; Oct. 28.
 Torpedo control, System of. J. H. Hammond, Jr. 1,513,109; Oct. 28.
 Toy, Gyroscopic-controlled wheeled. E. F. Welch, P. E. Farrow, and J. F. Phillips. 1,513,143; Oct. 28.
 Toy machine gun, Rapid-fire. F. Indarola. 1,513,552; Oct. 28.
 Toy mortar. A. C. Dean. 1,513,536; Oct. 28.
 Track liner. L. P. Chicolne. 1,513,089; Oct. 28.
 Track liner. J. Clark. 1,513,724; Oct. 28.
 Traction belt and sprocket wheel. G. C. Jett. 1,513,459; Oct. 28.
 Tractor. J. I. Hoke. 1,513,173; Oct. 28.
 Tractor implement, Riding-sulky. J. N. Parker. 1,513,560; Oct. 28.
 Tractors, Mowing-machine attachment for. W. S. Thomas and G. C. Rhoderick. 1,512,956; Oct. 28.
 Tractors, Traction mechanism for. S. K. Wellman. 1,513,144; Oct. 28.
 Trailers, Coupling means for automobile. A. Mills. 1,513,717; Oct. 28.
 Train-control system. A. G. Shaver and B. W. Melsel. 1,513,562; Oct. 28.
 Train-control system, Automatic. S. P. Johnson. 1,513,114; Oct. 28.
 Transmission. W. S. Cunningham. 1,513,694; Oct. 28.
 Transmission and receiving system. J. H. Hammond, Jr. 1,513,707; Oct. 28.
 Trap: See—
 Steam trap.
 Tray for holding glasses. L. Levien. Des. 65,861; Oct. 28.
 Trimmer: See—
 Temple salvage trimmer.
 Trousers support. J. E. Ross. 1,513,522; Oct. 28.
 Truck, Barrel. T. E. Jordan and G. J. Henry. 1,513,045; Oct. 28.
 Truck equipped with brakes, Car. H. C. Priebe. 1,513,519; Oct. 28.
 Truck, Motor. H. M. Pfleger. 1,513,343-7; Oct. 28.
 Truck, Six-wheel. W. J. Knox. 1,513,399; Oct. 28.
 Tub loosener. J. C. Dugan. 1,512,913; Oct. 28.
 Tube: See—
 Mitering tube.
 Tube frames, Supporting device for Axminster. E. R. Holmes. 1,513,112; Oct. 28.
 Typewriter space gauge. E. P. Thurban. 1,513,198; Oct. 28.
 Typewriters, Paper feed and cutting mechanism for. W. H. Sinclair. 1,513,284; Oct. 28.
 Typewriters, Ribbon vibrator, for. O. A. Hokanson. 1,513,394; Oct. 28.
 Typewriting machine. A. G. F. Kurowski. 1,512,988; Oct. 28.
 Typewriting machine. H. H. Vickers. 1,513,019; Oct. 28.
 Typewriting machine. J. A. Wherry. 1,512,963; Oct. 28.
 Typographic machines, Galley mechanism for. F. W. Letsch. 1,513,327; Oct. 28.
 Umbrella, Folding. A. B. Turner. 1,513,655; Oct. 28.
 Underreamer. W. Newbrough. 1,513,262; Oct. 28.
 Vacuum container. R. C. G. S. Oels. 1,513,264; Oct. 28.
 Valve action. J. F. Brice. 1,513,692; Oct. 28.
 Valve-actuating mechanism, Expansion and compensating device for. W. M. Anderson. 1,513,719; Oct. 28.

Valve for automatic train-control apparatus, Direction. D. J. Bissell, Jr. 1,513,028; Oct. 28.
 Valve for inflatable bags for footballs. M. Rothhrisch. 1,513,523; Oct. 28.
 Valve, Gas-cylinder. C. F. Adams. 1,513,020; Oct. 28.
 Valve mechanism. M. R. Kreamer. 1,513,606; Oct. 28.
 Valve-operating apparatus. C. A. Jackson. 1,513,457; Oct. 28.
 Valve-operating mechanism. A. Bergeron. 1,512,900-1; Oct. 28.
 Valve, Self-grinding. L. J. Trembley. 1,513,075; Oct. 28.
 Valve, Unloader. W. Raymond. 1,513,423; Oct. 28.
 Valve, Unloader. G. M. Richards. 1,513,424; Oct. 28.
 Valveless hydraulic apparatus. E. M. Smith. 1,513,564; Oct. 28.
 Vanity case or container for cosmetic articles, toilet preparations, etc. M. M. Gordon. 1,512,981; Oct. 28.
 Vanity cases, Spring latch and retainer for. C. Dahmen. 1,513,585; Oct. 28.
 Vapor separator. J. M. Wadsworth. 1,513,354; Oct. 28.
 Vaporizer. A. J. Stratman. 1,513,196; Oct. 28.
 Vehicle body. T. Elliott. 1,513,541; Oct. 28.
 Vehicle body brace. B. F. Hager. 1,513,706; Oct. 28.
 Vehicle signal. W. R. Moyer. 1,513,414; Oct. 28.
 Vehicle top frame. G. L. Smith. 1,513,288; Oct. 28.
 Vehicle, Transport. C. K. Edwards. 1,513,381; Oct. 28.
 Vehicles, Bumper for motor-driven. N. Finizio. 1,512,917; Oct. 28.
 Vehicles, Control devices for brakes upon the four wheels of. P. A. F. Cayla. 1,513,219; Oct. 28.
 Vehicles, Switch lock for motor. D. F. Downes. 1,512,910; Oct. 28.
 Vehicles, Transmission gearing for motor-driven. J. D. Garlick. 1,512,921; Oct. 28.
 Vehicles, Transmission gearing for automotive. F. H. Cozzens. 1,513,374; Oct. 25.
 Ventilator. J. Frick. 1,513,168; Oct. 28.
 Ventilator. S. Slavin. 1,513,285; Oct. 28.
 Velle fabric, Plocked. E. B. Vandergraw and J. Helmrich. Des. 65,876-85; Oct. 28.
 Volatile solvents and other materials from gas mixtures, Recovery of. J. H. Brégent. 1,513,153; Oct. 28.
 Wage-paying machine. C. L. Burdick. 1,513,486; Oct. 28.
 Wall finish, Interior. W. B. Allen. 1,513,207; Oct. 28.
 Washer: See—
 Lock washer. Well washer.
 Washing machine. E. F. Forsgard. 1,512,918; Oct. 28.
 Washing machine. H. Pletsch. 1,513,003; Oct. 28.
 Washing-machine driving mechanism. H. W. Eden. 1,513,097; Oct. 28.
 Waste fixture. J. Fraser. 1,512,919; Oct. 28.
 Waste-heat drier. M. J. Lide. 1,513,465; Oct. 28.
 Water-closet hoppers, Hinge connection for. F. D. Leslie. 1,513,404; Oct. 28.
 Water-heating apparatus. J. S. Ericksen. 1,513,449; Oct. 28.
 Web-feeding mechanism. H. M. Barber. 1,513,574; Oct. 28.
 Welding metal sheets, Process and apparatus for. H. Whomes. 1,513,472; Oct. 28.
 Well walking beams, Connecting rod for oil. W. F. Reschke. 1,513,627; Oct. 28.
 Well washer, Expansion. F. E. Crotto. 1,513,228; Oct. 28.
 Wheel: See—
 Resilient wheel.
 Wheelbarrow, Loading and excavating. W. M. Gross. 1,513,238; Oct. 28.
 Wheel puller. W. C. Erickson and H. L. Conrad. Re-15,936; Oct. 28.
 Wheel structure, Collapsible. F. M. McLean. 1,513,333; Oct. 28.
 Window. C. Veri. 1,513,657; Oct. 28.
 Window guard. S. Skurniak. 1,513,676; Oct. 28.
 Window screen and shade. A. Sadowski. 1,513,277; Oct. 28.
 Window seat. G. M. Buchanan. 1,513,484; Oct. 28.
 Wire line and rod coupling. J. A. Tompkins. 1,513,199; Oct. 28.
 Wood, Drilling deep holes in. J. W. Stolle. 1,513,350; Oct. 28.
 Wood-turning machine. M. R. Jackson. 1,513,113; Oct. 28.
 Work-handling implement, Magnetic. G. E. Volz. 1,513,436; Oct. 28.
 Work-performing circuits, Controlling the activity of. F. W. Wood and P. Grieron. 1,512,909; Oct. 28.
 Wrench: See—
 Jar wrench. Ratchet wrench.
 Pipe wrench.
 Yarn stripper. J. D. Joyce. 1,513,249; Oct. 28.
 Yoke lock, Neck. J. H. Lewis. 1,513,616; Oct. 28.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 28, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 18.2: 1,512,959	34— 5: 1,512,978	64— 5: 1,513,473	88— 43: 1,513,503	117— 16: 1,513,583	144— 254: 1,512,916
50: 1,513,356	12: 1,513,639	17: 1,513,601	47: 1,513,183	54: 1,513,072	145— 33: 1,512,904
2— 37: 1,513,520	18: 1,513,442	36: 1,513,295	90— 15: 1,513,390	33: 1,513,154	52: 1,513,406
42: 1,513,555	1,513,597	1,513,375	16: 1,513,671	48: 1,513,420	78: 1,512,929
48: 1,513,513	1,513,508	55: 1,512,169	34: 1,513,614	58: 1,512,987	102: 1,513,005
75: 1,513,410	1,513,161	62: 1,513,652	68: 1,513,625	98: 1,513,336	164: 1,513,389
127: 1,513,700	1,513,474	64: 1,513,130	70.1: 1,513,349	120— 8: 1,513,611	202: 1,513,195
176: 1,513,632	34: 1,513,465	66— 4: 1,513,066	98— 8: 1,513,297	46: 1,513,063	150— 1: 1,513,462
197: 1,513,682	40: 1,513,594	67— 6.1: 1,513,704	49: 1,513,236	41: 1,513,530	1,513,463
4— 175: 1,513,440	48: 1,513,369	68— 3: 1,513,445	11: 1,513,184	121— 194: 1,512,947	1,513,464
202: 1,512,919	63: 1,513,539	9: 1,513,258	23: 1,513,382	123— 13.1: 1,513,677	1,513,514
217: 1,513,168	70: 1,513,132	34: 1,513,569	39: 1,512,906	30: 1,513,273	1.5: 1,513,092
236: 1,513,404	30: 1,513,497	16: 1,513,376	44: 1,513,208	47: 1,513,397	47: 1,513,383
239: 1,513,408	136: 1,512,936	69— 16: 1,513,377	95— 32: 1,513,176	52: 1,512,961	14: 1,512,679
8— 8: 1,513,688	11: 1,513,096	70— 8: 1,513,432	73: 1,513,321	53: 1,513,311	16: 1,513,266
12— 16: 1,513,101	20: 1,512,915	14: 1,512,915	81: 1,513,379	59: 1,513,190	21: 1,513,479
30: 1,513,274	33: 1,513,136	29: 1,512,966	8: 1,513,398	1,513,310	31: 1,513,175
83.5: 1,513,002	64: 1,513,027	46: 1,512,939	24: 1,513,577	74: 1,513,692	36: 1,513,118
128.3: 1,513,635	67: 1,513,017	53: 1,513,230	1,513,578	81: 1,513,468	153— 25: 1,512,931
130: 1,513,618	70: 1,513,158	75: 1,512,991	47: 1,513,560	90: 1,512,900	32: 1,513,641
146: 1,513,275	96: 1,513,663	90: 1,513,663	50: 1,513,366	1,512,901	66: 1,513,720
15— 16: 1,513,643	109: 1,513,253	93: 1,513,718	56: 1,513,496	119: 1,512,954	2: 1,513,570
167: 1,513,104	125: 1,513,446	126: 1,513,218	103: 1,513,245	122: 1,512,949	14: 1,513,434
206: 1,513,339	130: 1,513,056	122: 1,513,592	154: 1,513,501	124: 1,513,142	44: 1,513,723
1,513,556	131: 1,513,300	73— 51: 1,513,430	180: 1,513,678	141: 1,512,952	45.5: 1,513,548
210: 1,513,178	132: 1,512,955	74— 1: 1,513,084	96— 3: 1,513,285	148: 1,513,551	54: 1,513,548
17— 33: 1,513,265	154: 1,513,050	5: 1,513,040	99— 11: 1,513,615	149: 1,513,554	55: 1,513,709
18— 35: 1,513,086	18: 1,513,540	7: 1,513,244	100— 13: 1,513,331	169: 1,513,057	155— 41: 1,513,651
47.5: 1,513,323	21: 1,513,259	8: 1,512,951	5: 1,513,458	171: 1,513,170	93: 1,513,695
53: 1,513,122	26: 1,513,306	14: 1,513,627	7: 1,513,573	187.5: 1,513,491	179: 1,513,726
55: 1,513,499	41: 1,512,962	21: 1,513,181	25: 1,513,579	124— 8: 1,512,993	184: 1,513,510
56: 1,513,102	1: 1,512,975	34: 1,512,973	49: 1,513,131	125— 34: 1,513,220	198: 1,512,983
57: 1,512,970	55: 1,513,536	40: 1,513,470	212: 1,513,082	58: 1,513,475	23: 1,513,401
19— 67: 1,513,676	69: 1,513,654	41: 1,513,621	248: 1,512,994	128— 163: 1,512,899	35: 1,513,499
20— 1.01: 1,512,975	75: 1,513,658	50: 1,513,012	378: 1,513,304	191: 1,512,950	1: 1,513,156
1.11: 1,513,062	18: 1,513,567	51: 1,513,012	3: 1,513,107	226: 1,513,000	157— 28: 1,513,461
50: 1,513,657	27: 1,513,400	53: 1,513,021	36: 1,513,411	260: 1,513,342	36: 1,513,508
72: 1,513,121	38: 1,513,011	54: 1,513,209	124: 1,512,934	287: 1,513,701	1,513,511
136: 1,513,435	124: 1,513,138	56: 1,512,965	175: 1,513,584	346: 1,513,367	42: 1,513,110
21— 1: 1,513,088	125: 1,513,137	58: 1,512,921	179: 1,513,146	1: 1,513,538	77: 1,513,590
13: 1,512,924	2: 1,513,429	59: 1,513,374	180: 1,513,099	8: 1,513,518	91: 1,513,456
1,513,014	6: 1,512,937	60: 1,513,694	200: 1,513,302	11: 1,513,325	92: 1,513,287
1,513,200	11: 1,513,150	81: 1,513,587	207: 1,513,052	12: 1,513,537	99: 1,513,260
101: 1,513,079	16: 1,513,111	97: 1,513,341	38: 1,513,328	17: 1,513,623	159— 20: 1,513,305
102: 1,513,495	4: 1,513,523	100: 1,513,029	108: 1,513,272	18: 1,513,482	161— 1: 1,513,085
153: 1,513,049	22: 1,512,972	109: 1,513,299	117: 1,513,345	32: 1,513,684	164— 18: 1,513,100
191: 1,513,364	24: 1,513,467	118: 1,513,649	121: 1,513,344	12: 1,513,147	33: 1,513,478
211: 1,513,710	27: 1,512,957	120: 1,513,129	133: 1,513,343	1,513,428	46: 1,513,640
237: 1,513,419	37: 1,513,380	123: 1,513,225	195: 1,513,399	14: 1,513,660	68: 1,513,348
242: 1,512,914	40: 1,513,231	126: 1,513,380	255: 1,513,205	41: 1,513,091	1,513,070
245: 1,513,319	46: 1,513,552	133: 1,513,280	38: 1,512,979	82: 1,513,585	77: 1,513,688
253: 1,513,353	48: 1,513,143	76— 65: 1,513,263	78: 1,513,004	84: 1,513,098	166— 19: 1,513,030
260: 1,513,099	56: 1,513,500	77— 2: 1,512,998	82: 1,513,527	86: 1,513,630	1,513,443
262: 1,513,009	57: 1,512,985	58: 1,513,024	54: 1,513,477	4: 1,513,486	20: 1,513,228
263: 1,513,313	59: 1,513,402	62: 1,512,999	8: 1,513,365	133— 4: 1,513,139	3: 1,513,051
1,513,590	63: 1,513,447	63: 1,513,666	28: 1,513,673	134— 46: 1,513,207	7: 1,513,298
17: 1,513,589	69: 1,513,251	81— 3: 1,513,290	109— 2: 1,513,426	2: 1,512,962	9: 1,513,233
26: 1,513,002	180: 1,513,196	62: 1,513,212	12: 1,513,065	25: 1,513,655	37: 1,513,670
41: 1,512,974	49— 3: 1,513,544	66: 1,513,060	75: 1,513,065	38: 1,512,958	34: 1,513,232
66: 1,513,532	50— 8: 1,513,064	68: 1,513,060	101: 1,513,417	20: 1,512,908	97: 1,512,969
100: 1,513,252	51— 26: 1,513,276	69: 1,513,279	172: 1,513,278	21: 1,513,606	1,513,224
106: 1,513,697	261: 1,513,604	82— 19: 1,512,995	80: 1,513,613	79: 1,513,449	206: 1,513,405
121: 1,512,905	53— 3: 1,512,964	83— 11: 1,513,279	111— 267: 1,513,197	139: 1,513,424	224: 1,513,242
131: 1,513,620	55— 53: 1,513,098	84— 70: 1,513,201	112— 3: 1,513,090	151: 1,513,015	242: 1,513,633
155: 1,513,620	56— 91: 1,513,145	85— 2.4: 1,513,301	113— 15: 1,513,525	138— 10: 1,513,564	326: 1,513,355
157: 1,513,617	58— 25: 1,512,956	86— 21: 1,513,661	126: 1,513,270	139— 9: 1,513,571	172— 36: 1,513,303
28— 21: 1,513,309	58— 38: 1,513,487	87— 5: 1,513,316	49: 1,513,644	59: 1,512,935	1,513,337
56: 1,512,928	43: 1,513,317	6: 1,513,371	99: 1,513,472	162: 1,512,944	126: 1,513,299
71: 1,513,249	125: 1,513,582	17: 1,513,303	116: 1,513,637	303: 1,513,226	281: 1,512,941
74: 1,513,629	126: 1,513,526	18: 1,513,109	114— 0.5: 1,513,591	333: 1,513,271	173— 13: 1,512,930
76: 1,513,073	60— 8: 1,513,046	21: 1,513,108	18: 1,513,109	355: 1,513,041	208: 1,513,656
80: 1,513,716	62— 116: 1,513,105	14: 1,513,372	208: 1,513,025	383: 1,513,506	313: 1,512,944
84: 1,513,018	122: 1,513,116	16.4: 1,513,322	115— 17: 1,512,902	416: 1,513,505	318: 1,513,292
85: 1,513,031	147: 1,513,194	24: 1,513,077	116— 47: 1,513,414	140— 105: 1,513,032	328: 1,512,923
1,513,031	159: 1,513,689	40: 1,513,093	50: 1,513,509	141— 7: 1,513,628	332: 1,512,968
86.3: 1,513,160	170: 1,513,172		129: 1,513,680	9: 1,512,918	366: 1,513,206
87.1: 1,513,703				54: 1,513,113	1,513,291
100.6: 1,513,213				41: 1,513,674	1,513,293
3— 1,513,507				47: 1,512,980	1,512,997
9: 1,512,920				93: 1,513,350	1,512,982
12: 1,513,454					1,513,076
1,513,648					
13: 1,513,476					
102: 1,513,189					

175- 183: 1,513,672	192- 142: 1,513,681	210- 203: 1,513,690	229- 32: 1,513,698	246- 182: 1,513,562	274- 23: 1,513,534
294: 1,512,953	193- 21: 1,513,034	211- 8: 1,513,248	67: 1,513,141	188: 1,513,114	35: 1,513,187
362: 1,513,071	196- 74: 1,513,133	13: 1,513,699	1: 1,513,535	246: 1,513,085	20: 1,513,007
367: 1,513,436	105: 1,513,384	16: 1,513,596	14: 1,513,320	413: 1,513,431	120: 1,513,616
176- 27: 1,513,407	197- 119: 1,513,198	22: 1,512,926	27: 1,513,422	63: 1,512,942	16: 1,513,647
177- 329: 1,513,515	127: 1,513,019	32: 1,513,124	1,513,550	249- 58: 1,513,038	62: 1,513,332
396: 1,513,140	128: 1,512,963	1,513,125	30: 1,513,650	250- 6: 1,512,960	280- 33.01: 1,513,381
178- 71: 1,513,441	133: 1,513,284	33: 1,513,128	21: 1,513,504	8: 1,513,707	33.9: 1,513,717
1,513,450	146: 1,512,988	36: 1,512,940	20: 1,513,022	17: 1,513,324	51: 1,513,469
1,513,451	159: 1,513,394	1,513,127	41: 1,513,214	20: 1,513,223	56: 1,513,045
1,513,452	9: 1,513,283	48: 1,512,927	43: 1,513,368	1,513,286	133: 1,513,167
1,513,453	30: 1,513,007	70: 1,513,553	53: 1,513,215	27: 1,513,561	281- 4: 1,513,180
179- 9: 1,513,351	41: 1,513,619	10: 1,512,946	92: 1,513,396	30: 1,513,326	282- 27: 1,513,162
27: 1,513,362	195: 1,513,080	64: 1,513,576	14: 1,513,108	36: 1,513,010	28: 1,513,246
43: 1,512,907	61: 1,513,327	65: 1,513,238	15: 1,512,932	2: 1,513,020	14: 1,513,412
58: 1,513,171	18: 1,513,626	127: 1,513,580	44: 1,513,727	6: 1,513,481	284- 19: 1,513,087
81: 1,513,069	35: 1,513,314	5: 1,513,480	59: 1,513,547	109: 1,513,028	285- 162: 1,513,315
89: 1,512,933	44: 1,513,350	37: 1,513,360	31: 1,513,435	132: 1,513,075	287- 52: 1,512,966
1: 1,513,282	50: 1,513,225	38: 1,513,135	164: 1,513,498	144: 1,513,423	103: 1,513,199
14: 1,513,173	54: 1,513,437	36: 1,512,945	235: 1,513,033	4: 1,513,153	292- 101: 1,513,234
82: 1,512,910	60: 1,513,437	44: 1,513,711	1: 1,513,098	2: 1,513,217	147: 1,513,308
83: 1,513,483	81: 1,513,361	52: 1,513,712	2: 1,513,039	44: 1,513,089	148: R. 15,937
27: 1,513,358	85: 1,513,464	124: 1,513,235	7: 1,513,192	1,513,724	165: 1,513,094
31: 1,513,186	106: 1,512,898	17: 1,512,922	8.5: 1,513,211	103: 1,513,334	325: 1,512,938
2.5: 1,513,354	115: 1,513,198	25: 1,513,240	1,513,489	131: 1,512,913	293- 55: R. 15,938
2.7: 1,513,294	122: 1,513,210	26: 1,513,713	41: 1,513,683	150: 1,513,185	1,512,917
44: 1,513,035	1,513,247	40: 1,513,250	1,513,715	19: 1,513,387	1,513,046
1,513,036	123: 1,512,911	47: 1,513,087	1,513,722	23: 1,513,388	1,513,149
82: 1,513,528	1,513,269	48: 1,512,984	43.4: 1,513,216	76: 1,513,262	1,513,255
184- 1: 1,513,062	125: 1,513,013	64: 1,513,239	46: 1,513,645	259- 75: 1,513,003	1,513,256
3: 1,513,166	133: 1,513,691	9: 1,513,636	1,513,546	13: 1,513,115	1,513,257
187- 29: 1,513,243	138: 1,513,517	19: 1,512,976	48.2: 1,513,186	15: 1,512,909	1,513,714
1,513,418	170: 1,513,059	26: 1,513,043	48.6: 1,512,989	53: 1,513,074	294- 60: 1,513,179
1,513,531	1: 1,513,558	39: 1,513,516	62: 1,513,502	21: 1,513,022	109: 1,513,023
188- 44: 1,513,296	6: 1,513,696	60: 1,513,605	78: 1,513,393	2: 1,513,421	23: 1,513,227
77: 1,513,359	14: 1,513,119	95: 1,513,078	129: 1,513,006	19: 1,513,610	30: 1,513,706
96: 1,513,016	1,513,120	51: 1,513,385	6: 1,513,221	28: 1,513,493	47: 1,513,841
162: 1,513,586	63: 1,513,307	97: 1,513,413	7: 1,513,522	71: 1,513,494	84: 1,513,702
194: 1,513,524	2: 1,513,037	99: 1,513,155	27: 1,513,471	21: 1,513,466	94: 1,513,123
204: 1,513,219	12: 1,512,981	102: 1,513,485	39: 1,513,281	10: 1,513,086	116: 1,513,288
209: 1,513,519	33: 1,513,081	104: 1,513,490	43.3: 1,513,008	37: 1,513,182	299- 101: 1,513,177
232: 1,513,708	38: 1,513,653	107: 1,513,373	54: 1,513,403	45: 1,513,055	115: 1,513,624
259: 1,513,492	44: 1,513,318	120: 1,513,563	62: 1,513,054	54: 1,513,042	301- 29: 1,513,067
189- 1: 1,513,503	46: 1,513,148	14: 1,512,948	71: 1,513,268	64: 1,512,903	81: 1,513,333
1,513,595	48: 1,513,134	51: 1,512,943	81: 1,513,416	6: 1,513,512	304- 26: 1,513,484
46: 1,513,363	49: 1,513,165	55: 1,513,378	85: 1,513,061	72: 1,513,575	305- 10: 1,513,144
190- 11: 1,513,427	23: 1,513,566	224- 29: 1,513,612	2: 1,512,912	271- 2.1: 1,513,574	1,513,459
16: 1,513,163	105: 1,513,608	225- 21: 1,512,971	1,513,053	25: 1,513,106	
191- 57: 1,513,058	144: 1,513,292	226- 57: 1,513,464	3: 1,513,001	41: 1,513,254	
192- 52: 1,513,202	155: 1,513,488		12: 1,513,241	64: 1,513,438	
69: 1,513,253	170: 1,513,660		15: 1,513,529	82: 1,512,967	
80: 1,513,490	199: 1,512,977		127: 1,513,048	2: 1,513,725	
114: 1,513,499					

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VOLUME 328

NOVEMBER

1924

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CONTENTS.

DECISIONS OF THE COMMISSIONER OF PATENTS, November 4, 11, 18, 25.....	Page.
TRADE-MARKS PUBLISHED AND REGISTERED, November 4, 11, 18, 25.....	3, 251, 525, 779
LABELS AND PRINTS REGISTERED, November 25.....	13, 261, 535, 791
REISSUES, November 4, 11, 18, 25.....	833
DESIGNS, November 4, 11, 18, 25.....	63, 311, 579, 835
PATENTS, November 4, 11, 18, 25.....	63, 312, 580, 836
	74, 320, 592, 846

ANNOUNCEMENTS.

ADVERSE DECISIONS IN INTERFERENCE—Brundage, 1,480,922.....	Page.
Campbell, 1,417,495.....	533
Davia, 1,401,765.....	533
Hadfield and Clerke, 1,490,464.....	249
Hamilton, 1,466,363.....	249
Lea, 1,455,845.....	533
Lofgren, 1,410,198.....	533
Penzold, 1,446,318.....	790
Seeger, E. W., 1,442,496.....	730
APPLICATION—Condition of pending.....	2, 250, 524, 778
CLASSIFICATION OF INVENTIONS—Changes in—Order No. 2,885.....	533
Order No. 2,886.....	534
DISCLAIMERS—Fekete, Stephen Ivan.....	790
Morton, Harry D.....	260
INTERFERENCE NOTICES—Arrow Neckwear Co.....	1, 249
Gilbert Toilet Company.....	523, 777
Lady Fair Gown Co.....	777
Longwood Laboratories, The.....	777
Louisiana Nut & Produce Company.....	1, 249, 523
Master Jewelers Inc., The.....	1, 249
Mauss, Henry (deceased), the heirs or legal representatives.....	777
May, Clarence.....	249, 523, 777
Victor Combination Kitchen Boiler Company.....	1
PATENT SUITS—List of.....	11, 259, 532, 789
PATENTS—List of adjudicated.....	12, 258, 532, 790
TRADE-MARKS—Canceled, list of.....	12
Notice of cancellations.....	1, 260, 523, 790

TABLE OF CASES REPORTED.

	Page.		Page.
Bennett v. Schweitzer.....	525	• Malocsay. In re.....	258
• Blickhart v. Crissey.....	254	Marshall Company, C. S. Ex parte.....	528
Campbell v. Jackson.....	781	Morgan. Ex parte.....	783
Cloyes. Ex parte.....	3	• Myers. In re.....	254
Coleman and Utne v. Neahr.....	529	Pearsall. Ex parte.....	252
Comstock. Ex parte.....	788	Percy v. Martin.....	530
Cuthbert. Ex parte.....	251	• Pupin. In re.....	256
Egerton. Ex parte.....	780	Putnam v. Michelin.....	253
Englander. Ex parte.....	526	Shively. Ex parte.....	779
Felthousen. Ex parte.....	4	Sobelman v. Freedman v. Morris.....	5
Foot. Ex parte.....	526	Standard Oil Company (New Jersey). Ex parte.....	785
Getchell v. Horton.....	3	• Thomson Spot Welder Company v. Ford Motor Company.....	9
• Hernandez, Margaret N., administratrix of the estate of Arturo Hernandez-Mejia. In re.....	255	• Tufford. In re.....	531
Hertner. Ex parte.....	527	• Universal Candy Co. v. A. G. Morse Co.....	7
Howard. Ex parte.....	251	• Wasserfallen. In re.....	7
Hughes and Fletcher. Ex parte.....	6	Wright Company, A. E., v. The Sar-A-Lee Company.....	787
Leber. Ex parte.....	783		

[Decisions of the Court of Appeals of the District of Columbia are indicated by one star (*); of the Supreme Court of the United States by two stars (**).]

THE OFFICIAL GAZETTE

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CONTENTS.	Page.
ISSUE OF NOVEMBER 4, 1924.....	1
NOTICE OF CANCELLATION.....	1
INTERFERENCE NOTICES.....	1
APPLICATIONS UNDER EXAMINATION.....	2
COMMISSIONER'S DECISIONS—	
Gatchell v. Horton.....	3
Ex parte Cloyes.....	3
Ex parte Felthousen.....	4
Sobelman v. Freedman v. Morris.....	5
Ex parte Hughes and Fletcher.....	6
DECISIONS OF THE U. S. COURTS—	
Universal Candy Co. v. A. G. Morse Co.....	7
In re Wasserfallen.....	7
Thomson Spot Welder Company v. Ford Motor Company.....	9
PATENT SUITS.....	11
ADJUDICATED PATENTS.....	12
TRADE-MARKS CANCELED.....	12
TRADE-MARKS PUBLISHED (254 APPLICATIONS).....	13
TRADE-MARK REGISTRATIONS GRANTED.....	51
REISSUES.....	63
DESIGNS.....	63
PATENTS GRANTED.....	74

Issue of November 4, 1924.

Trade-Marks.....	293—No. 191,115 to No. 191,407, inclusive.
Reissues.....	1—No. 15,940.
Designs.....	55—No. 65,800 to No. 65,944, inclusive.
Patents.....	867—No. 1,513,728 to No. 1,514,594, inclusive.
Total.....	1216

Notice of Cancellation.

U. S. PATENT OFFICE, Washington, Oct. 17, 1924.

Nachem Jakobs, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Genuine Haarlem Oil Manufacturing Co., of 116 Beekman Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Nachem Jakobs, % Netherlands Haarlem Oil Manufacturing Co., 708 Harrison Building, Philadelphia, Pa., No. 173,325, dated September 25, 1923, and the notice of such proceeding sent by registered mail to the said Nachem Jakobs at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Nachem Jakobs, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Interference Notices.

U. S. PATENT OFFICE, Washington, Oct. 10, 1924.

Victor Combination Kitchen Boiler Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Victor Stove Company, of 208 Depot Street, Salem, Ohio, for registration of a trade-mark and trade-mark registered June 4, 1912, No. 86,843, to Victor Combination Kitchen Boiler Company, southwest corner Fourth and Washington Streets, Oakland, Calif., and a notice of such declaration sent by registered mail

to said Victor Combination Kitchen Boiler Company at the said address having been returned by the post office undeliverable, notice is given that unless said Victor Combination Kitchen Boiler Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 13, 1924.

Arrow Neckwear Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between Cluett, Peabody & Co., Inc., Troy, N. Y., for registration of a trade-mark and trade-mark registered January 23, 1923, No. 163,549, to Arrow Neckwear Co., 87 Kingston Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Arrow Neckwear Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Arrow Neckwear Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 14, 1924.

The Master Jewelers, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Illinois Watch Case Company, of Elgin, Ill., for registration of a trade-mark and trade-mark registered September 6, 1921, No. 146,294, to The Master Jewelers, Inc., 392 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said The Master Jewelers, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Master Jewelers, Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 21, 1924.

Louisiana Nut & Produce Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Dixie Pecan Growers Exchange Inc., Zebulon Street, Barnesville, Ga., for registration of a trade-mark and trade-mark registered May 9, 1916, No. 110,262, to Louisiana Nut & Produce Company, 505 Tchoupitoulas Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Louisiana Nut & Produce Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Louisiana Nut & Produce Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

7578

Condition of Applications Under Examination at Close of Business October 24, 1924.

Room No	(Total number of applications awaiting action, excluding Trade-Mark Division, 58,338. Trade-Mark Division, 2,113. Oldest new case, Feb. 27, 1924; oldest amended, Feb. 26, 1924. The date given are 1924.)	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.			
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Apr. 8	May 19			991
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Apr. 16	Apr. 22			794
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	July 31	Aug. 4			318
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 31	June 13			890
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Mar. 20	Apr. 5			903
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Mar. 5	Mar. 11			1,137
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Apr. 30	May 1			1,618
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	May 21	Aug. 5			1,320
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Apr. 18	Aug. 4			640
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	May 1	June 1			1,379
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	July 2	July 5			870
380	12. PIERCE, P. P., Machine Elements.	May 17	May 15			991
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Mar. 13	Apr. 11			1,084
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriers; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	May 5	Aug. 13			513
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 3	May 1			1,327
246*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Mar. 27	Mar. 26			1,344
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 1	June 24			820
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Feb. 27	Feb. 26			1,264
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 29	July 10			815
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 18	Apr. 29			1,205
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Apr. 14	Aug. 20			585
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Apr. 8	Apr. 15			1,168
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	May 3	May 14			496
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 25	May 20			855
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 1	Aug. 4			684
225*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Mar. 3	Mar. 22			833
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 15	June 3			1,037
225	28. BENSON, A. R., Internal-Combustion Engines.	Apr. 25	May 9			1,060
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Mar. 26	Apr. 11			1,162
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	May 5	June 9			1,205
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 21	Apr. 23			1,015
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Apr. 8	Apr. 8			578
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	May 29	June 9			1,197
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 31	May 17			750
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	July 5	July 28			645
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	May 3	May 15			1,474
221*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 18	Apr. 24			1,554
145	38. IDE, O. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Apr. 23	Apr. 28			1,110
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	May 3	June 7			656
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 13	June 30			1,898
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Apr. 10	May 21			678
223*	42. CUTTING, H. O., Electrical Conducts and Housings; Electric Signaling.	Mar. 1	Mar. 12			1,574
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 5	Mar. 15			1,282
253	44. SHAFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Apr. 7	May 6			1,008
379	45. OILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Apr. 9	Mar. 19			901
253	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 5	Mar. 10			1,075
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Apr. 1	Apr. 2			1,479
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Mar. 7	Mar. 10			1,984
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 3	May 12			931
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Mar. 5	Mar. 11			1,751
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Apr. 7	Apr. 7			2,140
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	May 24	July 7			819
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 22	Mar. 26			1,464
102	DESIGNS: C. O. MARKHAM (Acting).	Sept. 18	Sept. 16			595
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Sept. 20	Oct. 1			1,550
		Aug. 19	Aug. 23			563

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

GETCHELL v. HORTON.

Decided September 8, 1923.

INTERFERENCE—MOTION TO AMEND AFTER OPPONENT HAS BROUGHT MOTION TO DISSOLVE—TIME FOR BRINGING.

Where a motion to dissolve is brought, the opposing party, if he is of the opinion that there is patentable subject matter common to the applications involved, even though the interference be dissolved as to the original counts, should present his motion to amend at least early enough to be heard at the same time as the motion to dissolve, and ordinarily a motion to amend presented after that hearing will not be considered.

ON PETITION.

INCLOSED SWITCH.

Messrs. Mitchell & Allyn and Mr. Robert S. Allyn for Getchell.

Messrs. Jones, Addington, Ames & Seibold for Horton.

ROBERTSON, Commissioner.

Where a motion to dissolve is brought, the opposing party, if he is of the opinion that there is patentable subject matter common to the applications involved, even though the interference be dissolved as to the original counts, should present his motion to amend at least early enough to be heard at the same time as the motion to dissolve, and ordinarily a motion to amend presented after that hearing will not be considered.

In the present case, however, in view of the statement on page 2 of the decision of the Law Examiner granting the motion to dissolve, which apparently indicates that he was of the opinion that there is patentable subject matter common to the two cases, that the First Assistant Commissioner regarded the excuse given for delay in appealing as sufficient to justify the extension of the limit of appeal, and that the appeal is not set for hearing until November 7, 1923, Horton's motion to amend will be heard by the Law Examiner.

It is directed that the hearing on this motion be set for as early a date as the docket will permit, not less than 20 days from the date hereof, before the same Law Examiner who heard the motion to dissolve, and he is directed to give the case prompt consideration, so that if his decision be adverse and the moving party wishes to appeal the two appeals can be heard by the Examiners in Chief at the same time.

EX PARTE CLOYES.

Decided April 10, 1922.

1. CLAIMS—NOT AFFECTED BY PRIOR PATENT GRANTED ON LATER APPLICATION.

An applicant is within his rights if he presents claims which will cover the construction of a prior patent which was granted on an application filed later than the application in question, provided such claims are otherwise patentable to him.

2. CLAIMS—CONSTRUCTION OF WHILE APPLICATIONS ARE PENDING.

Claims must be read, while applications are pending, as broadly as their terms will permit. They cannot be construed in view of the construction on which they are based, for the very purpose of drawing such claims is to cover structures specifically different.

(Note.—Application of James H. Cloyes, filed October 8, 1913, No. 794,032. This application has resulted in Patent No. 1,483,076, February 12, 1924.)

APPEAL from Examiners in Chief.

FOLDING TOP FOR VEHICLES AND OTHER STRUCTURES.

Messrs. Fay, Oberlin & Fay for the applicant.

KINNAN, First Assistant Commissioner.

The applicant has appealed from the decision of the Examiners in Chief, affirming that of the Primary Examiner denying patentability to claims 27 to 35, inclusive, of which claims 27 and 32 will serve as illustrations:

27. In a foldable top of the character described, the combination with a flexible covering and a main supporting bow, of a forward bow attached to the covering, means for supporting said forward bow comprising arch-forming pivotally united members of a combined length greater than the distance between said main and forward bows, whereby an independent upstanding supporting arch is provided when the top is extended, and means for connecting the forward end of the top to a part of the vehicle.

32. A foldable top of the character described, comprising a flexible covering, bows for supporting the rear portion of such covering, and a frame for supporting the forward portion of such covering comprising a pair of downwardly breakable jointed side-members pivoted at one end to an adjacent bow and secured at the forward end to the front portion of the top, the joints in said members occupying a raised position relative to the pivotal connection thereof with said bow and being disposed a substantial distance above the side edges of such covering and the pivotal connections with said bow being below said side edges, whereby an independent upstanding arched support is formed by the said members.

The reference relied upon is the patent to Tesch 627,154, June 20, 1899.

The patent to Wolfe, 1,259,331, Mar. 12, 1918, has also been referred to in connection with the decisions already rendered in this case. (The application on which this patent was granted was filed December 2, 1913.)

The alleged invention is rather simple and has been made the subject of some 35 claims. It would seem that all the novelty residing in the construction disclosed in this case could have been well covered in a considerable less number of claims.

The invention relates to a vehicle top, preferably for automobiles, although none of the claims is limited to a top for a motor vehicle. To the main bow C—C' appellant has pivoted an intermediate bow G', and to this latter, by means of a link I, there is pivoted a forward bow J'. The usual slat irons are employed.

[1] The Examiners in Chief and the Primary Examiner have denied patentability to the appealed claims upon two grounds; that the claims are not readable upon appellant's disclosure, or, if so readable, they must be so broadly interpreted that they are likewise readable upon the structure found in the patent to Tesch. In the holding below some dis-

first model or specimen of his invention on or about March 1, 1921." In seeking to take proofs regarding this specimen objection was made that a certain exhibit was not within the meaning of the above-quoted statement. In view of this objection the party Sobelman desires to amend by adding, by way of explanation of his term "specimen," "and that this specimen was a full-size garment capable of being worn."

[1] The term "specimen," as defined in the dictionary, does readily include, when applied to a garment, a full-size garment capable of being worn. It would seem, therefore, the objection to giving this interpretation to what was stated in the original preliminary statement is not well taken. It is believed, however, that in view of the showing made in connection with the preparation of the preliminary statement that this amendment to explain the meaning of the word specimen should be permitted.

[2, 3] The party Sobelman also seeks to amend his preliminary statement by adding "that he made a pattern of his invention on or about July, 1920." It is not thought the showing made in support of this portion of the motion to amend is sufficient to warrant the admission of the amendment. It was incumbent upon the party Sobelman to disclose to his attorney what records he had when the preliminary statement was being prepared in order that the attorney might judge as to what importance should be attached to each exhibit. The failure to disclose the "pattern" until "the evening of December 14, 1922," is not excused because Sobelman had "forgotten all about it and had just accidentally found it in the drawer of his desk." He should have searched all reasonable places before making the original preliminary statement.

The motion to amend is granted as to the explanatory clause with respect to the specimen alleged to have been made on or about March 1, 1921, and denied as to the matter of the pattern alleged to have been made on or about July, 1920.

EX PARTE HUGHES AND FLETCHER.

Decided February 9, 1924.

1. DESIGNS—MECHANICAL FUNCTIONS.

A design patent can not be based upon functional features of a structure, or at least a design patent can not ever be used to appropriate per se the mechanical functions.

2. SAME—IMPROPER SUBJECT MATTER FOR A DESIGN PATENT.

Where those who use an article have no regard for its beauty or appearance if it does the work, and its appearance when in use is not perceivable, *Held* that the structure is not the proper subject matter for a design patent.

APPEAL from Examiners in Chief.

WELL DRILLS.

Mr. Jesse R. Stone for the applicants.

FENNING, Assistant Commissioner.

This is an appeal from the action of the Examiners in Chief refusing applicants a design patent for a well drill.

The device shown in the drawing and claimed by applicants is substantially the drill shown in the drawing of Patent No. 1,474,633, issued to Hughes, one of the applicants here, on November 20, 1923. In one of the papers in the file is shown a picture of a previous device, of which the instant device is alleged to be an improvement. That previous device seems to be shown in Patent No. 1,289,179, Hughes, December 31, 1918.

[1] Applicants here allege that the structural features of their drill have no mechanical functions, at least to the extent that their particular form or shape is not determined by utilitarian features. Some doubt may be cast upon this by the description and claims of Patent No. 1,474,633. It is clear that a design patent can not be based upon functional features of a structure, or at least a design patent can not ever be used to appropriate per se the mechanical functions.

Quite aside from this, however, the courts have held that there are devices of such character that they are not susceptible of design patenting. No such case apparently has been considered by the Court of Appeals of the District of Columbia, nor has the Supreme Court had occasion to consider such a case. The cases in the district courts and the circuit courts of appeals, however, are numerous.

It was established in *Gorham Company v. White*, 31 U. S. 511, the leading case in the Supreme Court of the United States, that design patents relate to appearance rather than utility, and that the inventive genius on which a design patent may be based must be directed toward something which produces an aesthetic effect. There are some things so humble, homely, and purely utilitarian and in which appearance is so insignificant that the sense of the beautiful is not involved in their production or manufacture. Pearls are not cast before swine for the reason, among others, that swine will not receive an aesthetic thrill on seeing pearls.

[2] The subject of the present application is employed to drill a hole into the ground. When in use it is at the bottom of a hole surrounded and covered with dirt, broken rock, water, oil and grime. Certainly those who use it have no regard to its beauty or appearance if it does the work. Indeed its appearance is not perceivable, since it is buried at the bottom of a small hole. Applicants urge that these boring bits may be displayed in a store before being purchased, and they may temporarily be removed from the well and placed in sight of the workmen upon the derrick platform. This may well be, but I am unable to believe that in either of these positions much attention is paid to beauty. I can not believe that the device shown in the drawing of the present application tends to promote pleasure and refinement, an effect depending upon the sense of the beautiful.

The courts have held a horseshoe calk not the proper subject matter for a design patent in *Hoice v. Blodgett & Clapp Co.*, 112 Fed. Rep. 61. In *North British Rubber Co., Limited v. Racine Rubber Tire Co.*, 271 Fed. Rep. 936, the court said that

an automobile tire which was subject to the hard usage of roads and passed through all species of dirt was not a proper subject for a design patent. In *Smith & Co. v. Peck, Stow & Wilcox Co.*, 262 Fed. Rep. 415; 277 O. G. 981, there was an intimation that a screw driver might fall in the same class. The court suggested the same with respect to the soap cup in *Baker et al. v. Hughes-Evans Co.*, 270 Fed. Rep. 97. In *Rose Mfg. Co. v. Whitehouse Mfg. Co.*, 201 Fed. Rep. 926, the court made the same suggestion with respect to the bracket for a license plate.

I believe the structure of the instant application falls in the same class.

I have carefully examined the cases cited by the applicants, but find in them nothing to impel the allowance of the present case. Applicants refer particularly to *Earle Manufacturing Company v. Clark*, 154 Fed. Rep. 851, in which the court sustained design patents for a grass hook. In that case the court considered that the patents were not invalid because they were useful. It does not appear that the sole purpose and the form of the device was a functional purpose. The question whether the device was actually ornamental or not was not considered. But it does appear there that there were actual purchases made because of the beauty of the article.

Moreover, applicants' device, as pointed out by the Examiners in Chief, is in general appearance similar to other drill bits, and the slight differences therefrom in appearance do not involve invention.

The Examiners in Chief are affirmed.

Court of Appeals of the District of Columbia.

UNIVERSAL CANDY CO. v. A. G. MORSE CO.

No. 1,634. Decided May 5, 1924.

TRADE-MARKS—ABANDONMENT—USE OF MARK DISCONTINUED TEMPORARILY—"UNIVERSAL."

Where the appellee was prior to appellant in adopting and using the mark, but discontinued its use owing to circumstances over which it had no control, keeping on hand a large stock of seals bearing the trademark, and resuming their use when conditions became more favorable, *Held* that such discontinuance must be regarded as temporary and not as an abandonment of the mark.

Mr. E. W. Shepard for Universal Candy Co.

Mr. E. T. Fenwick and Mr. C. R. Allen for A. G. Morse Co.

SMITH, J.:

This is an appeal from a decision of the Commissioner of Patents affirming a decision of the Examiner of Interferences which granted registration of the trade-mark "Universal" to the A. G. Morse Company for use on candy and denied registration thereof to the Universal Candy Co. The application for registration by the A. G. Morse Company was filed on the 16th of August, 1921, and is known as Serial No. 151,837.

From the record in the case it appears that the A. G. Morse Company adopted and began to use the mark in the year 1911 and continued to use it until the year 1917 or 1918, when its further use was suspended. The suspension was caused by war

conditions which greatly increased the cost of the expensive boxes to which the mark was applied and which made it not only difficult to obtain, but inadvisable to use the sugar necessary for the manufacture of the grade of candy to which the mark was attached. At the time the use of the mark was discontinued, the A. G. Morse Company had a large stock of "Universal" seals which was kept on hand during the entire period of discontinuance. The use of the seals was resumed about the first of September, 1921, and has been continued since that time.

The Universal Candy Company, by itself and predecessors in interest began the use of the mark on November 8, 1915, and filed its application, Serial No. 141,888 for the registration thereof on the 5th of January, 1921.

The adoption of the mark and its use by the A. G. Morse Company was admittedly prior to its adoption and use by the Universal Candy Company and its predecessors in interest. The discontinuance of the use of the mark by the A. G. Morse Company was caused by circumstances over which the company had no control and inasmuch as the stock of Universal seals was kept on hand and their use resumed when conditions became more favorable, such discontinuance must be regarded as temporary and not as an abandonment of the mark.

The decision appealed from must therefore be affirmed.

IN RE WASSERFALLEN.

No. 1,626. Decided May 5, 1924.

1. INTERFERENCE—RES ADJUDICATA.

Where in an interference the question of priority had been finally determined against W., *Held* that in so far as the Patent Office and the court of appeals were concerned the adjudications already had in the matter had finally settled not only the rights of the parties under the issue or counts of the interference, but every question and the rights to every claim which might have been presented and determined in the interference proceedings.

2. SAME—SAME—APPLICATION FOR REISSUE OF PATENT BASED ON EARLIER APPLICATION OF DEFEATED PARTY.

Where the question of priority had been finally determined adversely to W. in an interference and W. applied for reissue of a patent granted on an application filed earlier than the applications in the interference, *Held* that if the interference applications disclosed the invention claimed in the reissue application W. was estopped by the interference decision from making the reissue claims.

3. SAME—ERRORS NOT SUBJECT TO ATTACK IN COLLATERAL PROCEEDINGS.

If the tribunals of the Patent Office having jurisdiction of the subject matter and of the parties in interference proceedings err in the exercise of that jurisdiction, their decision, though erroneous, is not subject to attack in a collateral proceeding.

Mr. Thos. K. Bryant for Wasserfallen.

Mr. T. A. Hostetler for the Commissioner of Patents.

SMITH, J.:

This is an appeal from a decision of the Commissioner of Patents refusing to allow appellant's application for the reissue of his Patent No. 1,279,801.

It appears from the record that on October 30, 1915, Charles F. Wasserfallen filed his application (Serial No. 58,740) to patent an improvement on spare-tire carriers for automobiles which improvement provided a means for the ready transportation of automobile tires and might be quickly withdrawn or replaced without leaving unnecessary projecting parts.

On the 11th day of April, 1916, Chester E. Strifler filed his application (Ser. No. 90,364) to patent a quickly-operating tire-holding device for the rigid retention and speedy release of extra tires on automobiles.

On October 9, 1916, Strifler filed a second application (Ser. No. 124,689) to patent a tire holder to safely support, carry and rigidly hold extra tires on automobiles which device might be easily and quickly attached to the existing felly-band tire holder without the employment of special bolts and without any change in the then prevailing construction of the felly-band holder.

On the 29th of October, 1917, Wasserfallen filed a second application (Ser. No. 199,153) to patent a spare-wheel-holding means for automobiles and an arrangement thereof whereby an extra tire rim or wheel might be rigidly secured to the regular spare tire or wheel so as to preclude rattling.

The application of Wasserfallen (Ser. No. 199,153) was, on the 26th day of December, 1917, declared to be in interference with Strifler's application (Ser. No. 124,689) which interference was added to interference No. 41,600, between Bradford and Strifler. The subject matter of the interference was examined and passed on the 27th of December, 1917, and the following counts were established as counts of the interference to be tried and finally determined:

1. A tire carrier comprising a ring on which a tire and rim is adapted to be placed, supports for an additional tire carried thereby, and a pivoted lever adapted to lock one tire on the rim and the other tire on the second supports.

2. A tire holder adapted for connection with the felly band tire holder equipment of an automobile comprising brackets for supporting a tire, a clamping member opposite the brackets, means for moving the clamping member into operative position, and means to secure the brackets and clamping member to the felly band tire holder of an automobile.

3. In a tire holder, the combination with the felly band tire holder of an automobile which is adapted to receive and support a demountable rim having a tire thereon, of means for supporting a demountable rim with a tire thereon including tire supporting brackets, and a clamping member, both secured to the felly band tire holder, said brackets and clamp adapted to lock the tire and rim to be supported upon the felly band holder, against removal therefrom.

About the time this interference was declared Wasserfallen's application (Ser. No. 58,740) was examined, allowed and passed to issue. Notice that application Serial No. 58,740 had been examined, allowed and passed to issue was mailed to Wasserfallen on December 29, 1917. That notice also called attention to the fact that the final fee of \$20.00 should be paid within six months from the date of notice and that the patent would be withheld until the fee was so paid or the application was renewed on payment of an additional fee of \$15.00.

On June 8, 1918, 22 days before the expiration of the period for paying the final fee Wasserfallen

sought to amend said application by adding thereto three new claims designated as numbers 7, 8, and 9. The Examiner reported against allowing the amendments and the Commissioner refused to permit them to be made by Wasserfallen.

On June 24, 1918, Wasserfallen petitioned that the case be withdrawn from issue, which petition was denied, whereupon Wasserfallen instead of allowing his application to forfeit, paid the final fee and on his application (Ser. No. 58,740, Patent No. 1,279,801) was issued on September 24, 1918.

Wasserfallen began to take testimony in the interference proceeding on June 20, 1918, and Strifler on September 6, 1918. Both parties appeared before the Examiner of Interferences and submitted to him all evidence taken and presumably available in support of their respective contentions as to conception, disclosure, drawings and reduction to practice. On the evidence so submitted the Examiner of Interferences on March 27, 1919, awarded priority of invention of the subject matter of the counts in issue to Chester E. Strifler, the senior party. From that decision Wasserfallen appealed to the Examiners in Chief who on March 22, 1920, affirmed the decision of the Examiner of Interferences awarding priority of invention to Strifler. On a further appeal by Wasserfallen to the Commissioner of Patents, the decision of the Examiners in Chief was affirmed on May 12, 1920.

From the decision of the Commissioner of Patents Wasserfallen appealed to the Court of Appeals of the District of Columbia and that court on May 2, 1921 (287 O. G., 408), affirmed the ruling of the Commissioner on the evidence disclosed by the record.

[1] In so far as the Patent Office and this court are concerned, the adjudications already had in this matter have finally settled not only the rights of the parties under the issue or counts of the interference, but every question and the rights to every claim which might have been presented and determined in the interference proceedings. *Blackford v. Wilder*, 28 App. D. C. 535, 542; 127 O. G. 1255; *Cross v. Rusby*, 42 App. D. C. 341, 342, 343, 344; 204 O. G. 321; *Cromwell v. County of Sac.*, 94 U. S. 351, 352, 353.

[2] The language of the counts of the interference differs, it is true, from that of the claims of the reissue application, nevertheless, if the interference applications disclosed the invention claimed in the reissue application, it must be held that the reissue claims were involved and might have been presented and determined in the interference proceedings. The invention was so disclosed and it therefore follows that Wasserfallen was estopped by the interference decision from making the reissue claims. *New Departure Manufacturing Co. v. Robinson*, 39 App. 504, 507; 188 O. G. 504; *Blackford v. Wilder*, 28 App. 535, 544, 550; 127 O. G. 1255; *in re Marconi*, 38 App. D. C. 286, 293; 179 O. G. 577.

To hold that Wasserfallen by obtaining a reissue of his Patent No. 1,279,801 may retry any of the

questions involved or which might have been presented in interference No. 41,600, would simply mean almost endless litigation and that the rights of the parties which it was the purpose of the interference proceeding to determine were left unsettled. We are not willing to go that far inasmuch as the doctrine of res adjudicata is just as applicable to patent cases as it is to other matters which may become the subject of litigation. *In re Marconi*, 38 App. D. C. 286, 293.

[3] If the tribunals of the Patent Office having jurisdiction of the subject matter and of the parties in interference proceedings err in the exercise of that jurisdiction, their decision though erroneous, is not subject to attack in a collateral proceeding. If Strifler was improvidently granted a right to amend or if the right to amend or the withdrawal from issue was improvidently denied to Wasserfallen, the errors resulting should have been corrected on appeal from the interference decision. If they were not so corrected they certainly cannot now be reviewed on an ex parte appeal from a decision refusing to reissue the patent which was issued to Wasserfallen upon the voluntary payment by him of the final fees and after withdrawal from issue had been denied. The rulings of which the appellant now complains were or might have been assigned as error on appeal in the interference proceeding and the questions which he now submits to this court were presented or might have been presented by Wasserfallen therein. Those rulings and questions became res adjudicata by the decision of this court on the appeal taken by him in the interference proceeding and he cannot at this late day be permitted to relitigate them for the purpose of dominating the patent which that decision awarded to Strifler. *In re Barratt's Appeal*, 14 App. D. C. 255, 257, 258; *in re Marconi*, supra, 292, 293.

The decision appealed from is therefore affirmed.

Supreme Court of the United States.

THOMSON SPOT WELDER COMPANY v. FORD MOTOR COMPANY.

Decided June 2, 1924.

1. CERTIORARI—QUESTION OF FACT.

The question whether an improvement in the arts involved invention or only mechanical skill is a question of fact.

2. SAME—CONFLICTING DECISIONS OF TWO CIRCUIT COURTS OF APPEALS.

The rule in this Court to follow concurrent findings of fact made by the district court and the circuit court of appeals unless clear error is shown should not be strictly applied in a case brought here by certiorari to settle a conflict between decisions of two circuit courts of appeals concerning the validity of a patent for an invention.

3. PARTICULAR PATENTS—HARMATTA, 1,046,066—"SPOT WELDING."

Patent No. 1,046,066, issued December 3, 1912, to Thomson Electric Welding Company, assignee of Harmatta, for improvements in electric welding—viz, for the process known as "spot welding," whereby sheets or plates of metal are welded together in spots in lieu of riveting—is void for want of patentable invention. 281 Fed. 680 affirmed.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Sixth Circuit.

Mr. Frederick P. Fish (with whom Mr. J. L. Stackpole and Mr. H. F. Lyman were on brief) for the petitioner.

Mr. Melville Church for the respondent.

Mr. Justice SANFORD delivered the opinion of the Court.

This is a suit in equity brought by the Thomson Spot Welder Company in a Federal district court in Michigan for the infringement of United States Patent No. 1,046,066 for improvements in electric welding, issued December 3, 1912, to the plaintiff's predecessor in title, as assignee, upon an application filed by Johann Harmatta, December 3, 1903. The chief defenses were anticipation, lack of invention, prior public use, and estoppel. The district court sustained all of these defenses, and dismissed the bill. 268 Fed. 836. The circuit court of appeals—one judge dissenting—held the patent invalid for lack of invention, and, without considering the other defenses, affirmed the decree of the district court. 281 Fed. 680; 303 O. G., 1095; 1922 C. D. 253. On account of a conflict with a prior decision of the circuit court of appeals for the first circuit, in *Thomson Electric Welding Co. v. Barney & Berry*, 227 Fed. 428, in which the patent had been held to be valid, this writ of certiorari was granted. 260 U. S. 718.

[1, 2] In the present case both the district court and the circuit court of appeals have held that Harmatta's improvement involved merely the exercise of mechanical skill and not invention. The question whether an improvement requires mere mechanical skill or the exercise of the faculty of invention, is one of fact; and in an action at law for infringement is to be left to the determination of the jury. *Keyes v. Grant*, 118 U. S. 25, 36, 37; 35 O. G., 747; 1886 C. D., 193; *Holmes v. Truman* (C. & A.), 67 Fed. 542, 543; 73 O. G., 448; 1895 C. D., 58; *Hall v. Wilco* (C. C.), 2 Blatchf. 194, 11 Fed. Cas. 280, 283; *Poppenhusen v. Falke* (C. C.), 5 Blatchf. 46, 19 Fed. Cas. 1052, 1054; *Shuter v. Davis* (C. C.), 16 Fed. 564, 566; 24 O. G., 303; 1883 C. D., 330; *Blessing v. Copper Works* (C. C.), 37 Fed. 753, 754. Ordinarily, therefore, the case would call for the application of the well-settled rule that the concurrent findings of the lower courts on questions of fact will be accepted by this Court unless clear error is shown. *Wright-Blodgett Co. v. United States*, 236 U. S. 397, 402; *United States v. State Investment Co.*, 264 U. S. 206, and cases there cited. We think, however, that this rule should not be strictly applied in cases brought here because of a conflict of decision in the different circuit courts of appeal, and have therefore given consideration to the question as to which of the decisions upon this question of fact, in the light of the prior art, is based upon the sounder reasoning. At the outset it is to be noted that in the first circuit there was not a concurrent finding on the question of patentability; the district court having

found, as did the two courts in the present case, that the patent was invalid for want of invention. 227 Fed. 428, 433.¹

Welding is the art, practiced immemorially, of uniting two pieces of metal in one piece by heating those portions which are to be welded to a temperature at which they become plastic and then pressing them strongly together so as to effect a union; as exemplified by a blacksmith when heating in a forge the two pieces to be welded and hammering them together.

The art of electric welding, which was invented in 1886, was well advanced when Harmatta filed his application, having been disclosed in various prior patents for uniting the abutting ends of metal bars, wires, etc., uniting the overlapped edges of metal sheets, plates, etc., and other purposes.

The patent in suit relates to that branch of electric welding known as spot welding, by which two sheets or plates are welded together face to face, in spots, as a substitute for riveting; this being accomplished by placing the two sheets between two pointed electrodes applied to their exterior surfaces, opposite to one another, which heat the sheets to the welding temperature and exert the required pressure in the line between the points of the electrodes, resulting in welding together the inside faces of the sheets in the spot on that line.

The reasons for which the petitioner claims that this improvement is patentable are thus summarized in its brief:

Harmatta produced a new result, namely a small round weld (a spot weld) uniting two plane sheets of metal at any place in their meeting faces. This was radically new. 2. To make this spot weld Harmatta manipulated the articles with which he dealt, namely the sheets, in a new way by indiscriminately superimposing one upon the other and he made his electrodes perform a function, which no electrodes, used in electric welding, had ever before performed. 3. In so doing he carried out a new technical process, that is, the electric current, which generates the welding heat, behaved and operated in an entirely new way, and he applied the welding pressure to a condition, which seemed to make such application impossible.

The opinions of the two district courts and of the circuit court of appeals for the sixth circuit holding that the patent in suit was lacking in invention, are based, in each instance, on a detailed and analytical consideration of the prior art. We take the following extracts from the well-considered opinion of the circuit court of appeals:

The art of electric resistance welding was old and far advanced in 1903, when the Harmatta patent was applied for. Prof. Elihu Thomson was a pioneer in that art. In 1886 he obtained process and apparatus patents for so-called butt welding, which involved the uniting of the abutting ends of metal wires, bars, etc., by applying heat at the joint and the adjacent surfaces by means of electrodes, and pressing the two pieces together when heated to welding temperature. There was here true resistance welding, with pressure of the parts involved, although the electrode did not exert the welding pressure. In 1889 Thomson obtained a patent for electric riveting, which involved the heating of the rivet when in place by means of a current passed through it by the use of electrodes, under pressure thereon, the effect being not only to swage the rivet and weld it to the adjoining metal, but apparently (when desired) to weld together, in part at least, the portions of the plates immediately adjoining the rivet. In 1891 Thomson obtained a patent for what is called lap-welding. While the specification

states that the invention is specially adapted to the welding of the overlapped edges of plates, it expressly includes "welding together strips, sheets, plates, or bars of metal where it is desirable to form a joint of considerable length." According to the specification, "the surfaces to be welded are pressed together to form a union," the work being fed in the longitudinal direction of the joint "through suitable pressure devices (preferably roller electrodes), the work being properly arranged, so that the pressure devices will press the surfaces to be welded together and simultaneously passing the electric current through the work at the point of pressure." The electrodes were employed to exert the welding pressure. The specification further states that "as the work is passed through such rolls with a continuous motion each point as it comes between the rolls, is heated and the surfaces pressed together."

In 1893 Thomson obtained a patent relating particularly to soldering sheet metal pieces flatwise, either by the use of solder or (when applied to tin plates) by melting the tin sufficiently to establish union thereby. The electrodes, in the form of clamps or otherwise, served not only to supply the necessary heat, but to exert sufficient pressure upon the overlapped sheets to effect their union. A roller electrode is disclosed, performing the double function of heating and pressing, and having its periphery corrugated or grooved.

This was, to say the least, electric resistance spot soldering. In 1897 Robinson received a patent on so-called projection welding, as specially applied to the welding of a splice bar to the web of a railroad rail, the splice bar having upon its inner face a number of projections which by the application of the heating current are fused, and by pressure made to form welds between the projections on the bar and the fused opposing portions of the rail. Kleinschmidt, in 1898, took out a patent for a similar process, and by methods not essentially unlike those of Robinson.

Whether or not the Thomson so-called lap-welding invention should be regarded as an absolute anticipation of the Harmatta patent, we think the state of the art to which we have referred left no room for invention in Harmatta. We see no distinction upon principle between plane-face welding and lap-welding; the former certainly embraces the latter. If Thomson's roller electrode device was capable of welding a line or seam in a metal lap joint, it was readily adaptable to line-welding together coterminous plane-face plates.

We think Thomson's lap-welding invention was in essence a welding in points. In fact, his line seam was merely a succession of adjoining points. It satisfactorily appears that, although Thomson's roller electrodes in the form shown in the patent were not practically adapted to commercial spot-welding as disclosed by the Harmatta patent, they could readily be made to do such spot-welding by the use of suitable projections upon the face of the rolls (Thomson later did spot-soldering by the use of such projections); and assuming that pin electrodes were essential to successful commercial spot-welding, that form of electrodes was old, as illustrated by Thomson's electric soldering patent.

In our opinion the art of soldering is analogous to that of welding. By the use of enough more heat Thomson's soldering device could readily have effected spot-welding. No essential difference in principle between heating at points and heating in spots is apparent. Projection welding partakes, though not in so pronounced a sense, of the nature of spot-welding.

We agree with Judge Dodge [227 Fed. 428] that Harmatta's idea of "making his electric welds small in area rather than large in comparison with the areas of the opposed surface to be joined and isolating them, so as to leave each surrounded by a comparatively large area of unwelded surface," does not involve invention in view of the prior art. In other words, given the desire for a welding in spots, naturally enough suggested by the prior art and by its commercial development, we think Harmatta's specific application of the principles of that prior art involved only the skill of the expert mechanic. Not only every principle, but every electric and mechanical process, involved in the Harmatta claims, was well known in the prior or directly analogous arts, or in mechanical arts generally. We cannot think, in view of the prior art, that invention is to be found in the considerations, separately or collectively, that in Harmatta no bodily movement of the sheets is required, that the current is localized and pressure exerted solely by the electrodes, or by the difference in the form of the electrodes, or by the difference in amount of extruded metal, as compared with some of the earlier applications of resistance welding. Although invention is not necessarily negated by the fact that each element of the combination is old, the question of fact whether the combination itself involves invention in view of the prior art is always present.

Our conclusion of noninvention, based upon a review of the prior art, is materially strengthened by the serious doubt whether Harmatta thought, when he filed his patent application, that he had patentably invented anything by the disclosure of spot-welding, as a process or product distinct from point-welding or line-welding, as well as by the fact that others previous to the grant to Harmatta, and apparently in ignorance of Harmatta's claimed invention, successfully practiced the art of spot-welding.

The patent issued nine years after the application was filed, and after numerous vicissitudes and amendments (including the entire elimination of the roller-electrode feature), and after the application had been placed in interference with the claims of Adolph Rietzel, to whom a patent had previously been issued on July 20, 1909. From the beginning Rietzel's application was owned by plaintiff's predecessor. The interference was declared in favor of Harmatta, for Rietzel's failure, as the junior party to the interference, to take testimony in support of his claim of priority; plaintiff's predecessor at the time owning both the Harmatta application and the Rietzel patent. But the fact that the award of priority was not based upon an adjudication on the merits tends to weaken its force. It, however, convincingly appears that in 1898 (and about five years before Harmatta's application) Rietzel, while in the employ of plaintiff's predecessor, in several instances successfully joined two pieces of lapped metal at isolated spots by means of a Thomson butt-welding machine; the sheets of metal being united by pressing them together and at the same time passing the heating current from one electrode (or so-called contact) to the opposite electrode, at the selected spot on the meeting surface of the plates, the spots being restricted in area, so as to leave well-defined and comparatively extensive areas of no-union completely surrounding the spots—one of the electrodes or contacts used being of standard size and form, the other being reduced by cutting down to a diameter of about three-eighths of an inch. Rietzel's experience strongly discredits inventive quality in what Harmatta did several years later, including his disclosure of the use of pin-electrodes. The fact also appears that at various times, ranging from two years to five or six years, before the issue of the Harmatta patent, and apparently in ignorance of his asserted invention, various manufacturers put out or used spot-welding machines with commercial success. These experiences also tend to discredit invention in Harmatta. It follows, in our opinion, from what has been said, that the effect of the great commercial success of the Harmatta invention in the hands of plaintiff is entitled to little weight upon the question of the invention, even were that question otherwise in doubt, which we think it is not. (pp. 682 et seq.)

The opinion of the circuit court of appeals for the first circuit, on the other hand, contains only general allusions to the prior art and no analysis of the prior patents. While, in considering the defense of anticipation, it is said that the soldering art was remote, the only statement in the opinion bearing directly upon the defense of want of invention, is that—

In view of the further proposition that the presumptions in favor of the patent are so far supported in this case by the insistence of the defense, and the comparatively enormous expense involved in maintaining it, we cannot question the present validity of the patent with reference to all propositions involved in the word "patentability." (p. 436.)

[3] The conclusion of fact reached by the circuit court of appeals for the sixth circuit, as set forth in its opinion, that in the light of the prior art Harmatta's improvement was lacking in invention, commends itself to our judgment. It involves no error in law. Therefore, without considering the other defenses presented, the decree of that court is affirmed.

PATENT SUITS.

[Notices under sec. 4021, R. S., as amended, Feb. 18, 1922.]

808,623. (See 1,365,428.)

932,965, C. W. Conner Bifocal lens and method of making same, suit filed Sept. 22, 1924, D. C. Colo., Doc. 7765, *One Piece Bifocal Lens Co. v. The United Co. et al.*

967,579, H. L. J. Siemund, Method of electric welding and repairing, suit filed Apr. 30, 1914, D. C.

The proceedings in the Patent Office are set forth at length in the opinion of the district court (pp. 855 et seq.).

Mass., Doc. E 535, *H. L. J. Siemund v. H. Schuller*. Final consent decree for plaintiff, injunction issued Sept. 26, 1924.

979,850. (See 1,363,333.)

1,072,743, Laufenburg & Pearson, Engine-supporting frame; 1,283,588, J. H. Staley, Workman's stand for gas engines; 1,469,734, same, Motor stand, suit filed June 16, 1924, D. C. Ind., Doc. 801, *J. H. Staley et al. v. Stutz Motor Car Co. et al.*

1,102,225. (See 1,365,428.)

1,108,293. (See 1,365,428.)

1,113,149. (See 1,507,017.)

1,101,806, T. A. Hoover, Bumper for vehicles, suit filed Apr. 6, 1921, D. C., N. D. Calif. (S. Div.), Doc. 641, *American Chain Co. v. C. N. Weaver, Inc.* Decree holding claims 1, 3, and 6 infringed by defendant, (notice dated Aug. 27, 1924).

1,225,682, J. Schulde, Show-case refrigerator; 1,447,733, same, Refrigerator; 1,476,925, same, Counter refrigerator; 1,476,972, H. L. Hussmann, Show-case refrigerator, suit filed July 2, 1924, D. C. Ind., Doc. 806, *H. L. Hussmann Refrigerator & Supply Co. v. S. M. Muron et al.*

1,239,101. (See 1,363,333.)

1,262,860, S. B. Smith, Incubator, suit filed Aug. 13, 1924, D. C. Ind., Doc. 812, *Buckeye Incubator Co. v. B. Bolling*.

1,283,588. (See 1,072,743.)

1,284,523, Williams & Williams, Accelerator attachment, suit filed Jan. 29, 1923, D. C., N. D. Ohio (W. Div.), Doc. 361, *Williams Bros. Aircraft Corp. v. The Michon Accelerator Co. et al.* Decree for plaintiff granted Feb. 26, 1924. Case on appeal. Order allowing. Petition for appeal and order allowing appeal to be withdrawn entered Sept. 24, 1924, decree heretofore entered Feb. 26, 1924, made final Sept. 24, 1924.

1,303,468, J. O. Fowler, Sealed safety fountain inkstand, suit filed Sept. 18, 1924, D. C., S. D. N. Y., Doc. E 30/155, *J. C. Fowler v. S. S. Stafford Co., Inc.*

1,333,017, W. A. Gibbs, Trap; 1,458,286, same, Animal trap, suit filed Sept. 23, 1924, D. C., N. D. N. Y., Doc. 533, *W. A. Gibbs v. Triumph Trap Co., Inc.*

1,342,247, C. Bittinger, Combining reflected and transmitted light waves of varying lengths to produce subjective changes in scenic effects, suits filed Sept. 23, 1924, D. C., S. D. N. Y., Doc. E 30/168, *Chameleon Co. et al. v. G. White*.

1,353,750, K. Heitler, Garment protector, suit filed Dec. 7, 1921, D. C., S. D. N. Y., Doc. E 22/316, *K. Heitler et al. v. New York Merchandise Co., Inc.* Final consent decree dismissing case on the merits filed Sept. 25, 1924.

1,363,333, 1,368,271, 1,371,252, 1,371,498, 1,379,306, N. M. Lower, Locomotive stoker; 979,850, W. T. Hanna, Automatic stoker; 1,239,101, same, Locomotive-tender stoker mechanism, interlocutory decree entered Sept. 16, 1924, holding noninfringement by

¹ The opinion of the district court is published with that of the circuit court of appeals.

defendant of claims 1, 2, and 8 of 1,363,333, claims 53 and 55 of 1,368,271, claims 3 and 7 of 1,371,252, and claim 10 of 1,379,306; claims 10, 11, 12, 13, and 14 of 1,371,498 held valid and infringed by defendant and claims 1 and 2 of 979,850 held valid and infringed by plaintiff; counterclaim as to 1,239,101 withdrawn and dismissed, D. C., S. D. Ohio (W. Div.), Doc. E 323, *Locomotive Stoker Co. v. The Hanna Stoker Co.*

1,365,428, F. G. Whittier, Central-station apparatus for carrier-dispatch system; 1,108,293, same, Pneumatic-dispatch-tube selective system; 1,102,225, A. W. Pearsall, Pneumatic-dispatch-tube apparatus; 808,623, B. C. Batcheller, Carrier for pneumatic tubes, final consent decree for plaintiff for an injunction, July 3, 1924, D. C. Mass., Doc. E 1714, *The Lamson Co. v. F. L. Goddard et al.*

1,368,271. (See 1,363,333.)

1,371,252. (See 1,363,333.)

1,371,498. (See 1,363,333.)

1,379,306. (See 1,363,333.)

1,385,927. (See 1,425,342.)

1,389,413. (See Re. 15,486.)

1,390,135, C. C. Jantzen, Bathing suit, suit filed Sept. 6, 1924, D. C., E. D. Pa., Doc. 3129, *Jantzen Knitting Mills Inc. v. Lichtenstein & Portner (Franklin Sweater Mills).*

1,402,216, Crisenberry & Andres, Hot-water heater, suit filed July 19, 1924, D. C. Ind., Doc. 807, *B. F. Crisenberry et al. v. Superior Machine & Tool Co. et al.*

1,407,362, L. Ullman, Pliers and locking lugs for replacing transmission covers on Ford cars, suit filed July 30, 1924, D. C. Ind., Doc. 809, *A. D. Brochu v. F. P. Dunn et al.* Consent decree Sept. 25, 1924, holding patent valid, injunction issued.

1,425,342, 1,428,063, W. F. Schaller, Baker's oven; 1,385,927, same, Fish curing machine; 1,478,363, same, Heating unit for ovens; 1,488,798, same, Insulated wall for ovens and the like, suit filed June 16, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1280, *Ideal Electric Oven Co. v. W. F. Schaller et al.* Sept. 16, 1924, decree entered adjudging the plaintiff the owner of said patents and restraining all defendants from making or using or selling any of said machines or claiming, asserting, selling, or transferring any interest in any of said Letters Patents to any person whomsoever.

1,428,063. (See 1,425,342.)

1,447,733. (See 1,225,682.)

1,458,286. (See 1,333,017.)

1,464,351, W. P. Casey, Tools, suit filed Aug. 19, 1924, D. C., E. D. Pa., Doc. 3113, *The Router Mfg. Co. v. J. R. Carroll.*

1,469,734. (See 1,072,743.)

1,476,925. (See 1,225,682.)

1,476,972. (See 1,225,682.)

1,478,363. (See 1,425,342.)

1,480,880, J. S. Brennan, Ornamental cross, suit filed Sept. 22, 1924, D. C. R. I., Doc. 200, *J. S. Brennan v. M. Solomon.*

1,484,538, C. P. Wetmore, Razor-blade knife, suit filed Sept. 6, 1924, D. C., E. D. Wis., Doc. 1469, *C. D. Wetmore Knife, Inc. v. R. R. Johnstone et al.*

1,488,798. (See 1,425,342.)

1,495,120, R. Styles, Burner, suit filed Sept. 25, 1924, D. C., S. D. N. Y., Doc. E 30/170, *Stinson Sales Co., Inc. v. Esda Mfg. Co. et al.*

1,503,748, A. Curioni, Powder puff, suit filed Sept. 19, 1924, D. C., S. D. N. Y., Doc. E 30/157, *M. Levy v. Siris & Hertzberg (Columbia Powder Puff Co.).*

1,507,016. (See 1,507,017.)

1,507,017, L. de Forest, Wireless telegraph and telephone system; 1,507,016, same, Radio signaling system; 1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Sept. 3, 1924, D. C., E. D. Pa., Doc. 3125, *De Forest Radio Telephone & Telegraph Co. v. Westinghouse Electric & Mfg. Co.*

Des. 45,184, G. E. Curtiss, Electrically-heated coffee machine, tea machine, and hot-water heater, suit filed July 16, 1923, D. C., S. D. N. Y., Doc. E 27/26, *Landers, Frary & Clark v. Edison Electric Appliance Co., Inc.* Final consent decree dismissing bill filed Sept. 24, 1924.

Des. 60,878, Pardee, Dewire & Supporter, Radiator cap, suit filed Sept. 19, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1341, *Miller & Pardee, Inc. v. Golden Gate Brass Mfg. Co., Inc., et al.* Final decree entered Sept. 22, 1924, enjoining the infringement of said patent.

Re. 15,136, E. Ruud, Storage-water heater, suit filed Dec. 6, 1921, D. C., S. D. N. Y., Doc. E 22/313, *Ruud Mfg. Co. v. M. J. Fowler et al.* Final decree sustaining patent, adjudging infringement, and vacating proceedings for an accounting, settlement having been made, filed Sept. 25, 1924.

Re. 15,486, E. Hatch, Bundling machine; 1,389,413, P. Wright, Wire-tying machine, suit filed Sept. 22, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1343, *A. J. Gerrard et al. v. The Eby Machinery Co.*

Re. 15,572, G. G. Schelter, Last, suit filed Sept. 25, 1924, D. C., W. D. N. Y., Doc. 722 D, *United Last Co. v. Schelter Last Co., Inc., et al.*

ADJUDICATED PATENTS.

(D. C. N. Y.) The Armstrong patent, No. 1,113,149, for an audion wireless receiving system, Held valid and infringed. *Westinghouse Electric & Mfg. Co. v. Independent Wireless Telegraph Co.*, 300 Fed. Rep. 748.

TRADE-MARKS CANCELED.

132,556, Dyes combined with soap, Sunbeam Chemical Company, Chicago, Ill. Registered June 22, 1920. Canceled October 16, 1924.

151,073, Refrigerators, Arlington Refrigerator Company, Inc., Arlington, Vt. Registered January 24, 1922. Canceled October 16, 1924.

178,453, Synthetic gum used in paints and varnishes. A. Klipstein and Company, New York, N. Y. Registered January 8, 1924. Canceled October 16, 1924.

178,720, Outer coats, trousers, and vests, overcoats, work and dress shirts, etc. Pendleton Woolen Mills, Pendleton, Wash. Registered January 15, 1924. Canceled October 9, 1924.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 4, 1924.

[Vol. 328, No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 162,256. (CLASS 2. RECEPTACLES.) THE Icy-Hot BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 13, 1922.

BRAKNOT

Particular description of goods.—Bottles Insulated for Resisting Change of Temperature of Contents. Claims use since the beginning of March, 1922.

Ser. No. 165,827. (CLASS 33. GLASSWARE.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 21, 1922.



Particular description of goods.—Glass Lamp Chimneys. Claims use since Feb. 11, 1922.

Ser. No. 167,778. (CLASS 37. PAPER AND STATIONERY.) ALFRED B. LEMON, Providence, R. I. Filed Aug. 3, 1922.

COLORTONE

Particular description of goods.—Writing and Printing Papers, Mailing Envelopes, Social Stationery, Blank Menu and Correspondence Cards. Claims use since Apr. 17, 1922.

Ser. No. 169,481. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 15, 1922.

GOOD YEAR

Particular description of goods.—Paint for Pneumatic and Solid Tires and Rubber Goods. Claims use since Apr. 1, 1922.

Ser. No. 169,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WEST ELECTRIC HAIR CURLER CO., Philadelphia, Pa. Filed Sept. 27, 1922.



The pictures forming feature of the mark are fanciful. Particular description of goods.—Hair Nets. Claims use since Aug. 1, 1919.

Ser. No. 172,223. (CLASS 39. CLOTHING.) SAMUEL STANLEY HESS, doing business as Meyer Hess and Company, Chicago, Ill. Filed Nov. 18, 1922.

"RITE STYLE"
MEYER HESS
SYSTEM
CHICAGO

No claim is made herein to the name "Meyer Hess," the word "System" and the word "Chicago" which appear on the drawing apart from the mark.

Particular description of goods.—Sweaters, Knitted Caps, Bathing Suits, Hosiery, and Neckwear and Allied Goods.

Claims use since April, 1912.

Ser. No. 173,352. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOS. GRINSFELDER & SONS, INC., Baltimore, Md. Filed Dec. 15, 1922.

Beverly Mills

Particular description of goods.—Silks, Ribbons, and Silk and Cotton Mixtures in the Piece.
Claims use since July 1, 1922.

Ser. No. 174,029. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIOCRAFT COMPANY, INC., Jersey City, N. J. Filed Dec. 30, 1922.

RADIO-CRAFT

Particular description of goods.—Radio Apparatus—Namely, Radio Receiving Sets, Radio Transmitting Sets, Rheostats, Inductance Coils, Variocouplers, Condensers, Tickler Coils, Variable Condensers, Variable Inductances, Telephone Receivers, Telephone Jacks, and Electric Wires.

Claims use since Oct. 20, 1922.

Ser. No. 175,937. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN ELECTRICAL SUPPLY COMPANY, INC., New York, N. Y. Filed Feb. 12, 1923.



The exclusive use of the word "Radio" is disclaimed apart from the word "Sparkar." The vertical lines in drawing represent the color red.

Particular description of goods.—Dry Batteries.
Claims use since Dec. 14, 1922.

Ser. No. 176,229. (CLASS 17. TOBACCO PRODUCTS.) GILBERT H. THOMPSON, Manitowoc, Wis. Filed Feb. 17, 1923.

THE JUDGE

Particular description of goods.—Cigars.
Claims use since Dec. 20, 1922.

Ser. No. 178,151. (CLASS 39. CLOTHING.) UNITY SHOE MFG. CORPORATION, Brooklyn, N. Y. Filed Mar. 27, 1923.

UNITY

Particular description of goods.—Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric and Combinations of Leather and Rubber.

Claims use since about April, 1919.

Ser. No. 179,775. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHATON FIBRE COMPANY, Boston, Mass. Filed Apr. 27, 1923.

CHATON

Particular description of goods.—Dust Guards for Journal Boxes.

Claims use since Feb. 1, 1923.

Ser. No. 180,048. (CLASS 2. RECEPTACLES.) COLUMBIA CORRUGATED COMPANY, New York, N. Y. Filed May 2, 1923.

BURLABOX

Particular description of goods.—Boxes, Tubes, and Cartons.

Claims use since Dec. 27, 1922.

Ser. No. 180,574. (CLASS 39. CLOTHING.) THE AMERICAN RUBBER AND TIRE COMPANY, Akron, Ohio. Filed May 14, 1923.

VELPED

Particular description of goods.—Bathing Slippers of Rubber.

Claims use since Nov. 2, 1922.

Ser. No. 180,575. (CLASS 39. CLOTHING.) THE AMERICAN RUBBER AND TIRE COMPANY, Akron, Ohio. Filed May 14, 1923.

SHORTEX

Particular description of goods.—Bathing Slippers of Rubber.

Claims use since Nov. 1, 1922.

Ser. No. 180,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAMONT-CORLISS AND COMPANY, New York, N. Y. Filed May 21, 1923.



Particular description of goods.—Milk Chocolate.
Claims use since Oct. 15, 1915.

Ser. No. 181,094. (CLASS 39. CLOTHING.) UNITED STAY COMPANY, Cambridge, Mass. Filed May 24, 1923.

Shoecrafters

Particular description of goods.—Heel Pads, Sock Linings, Tongues, Soles, Heels, Tops, Inside Linings, Insoles, Uppers, Shanks, and Top Facings, All of Leather, Rubber, Canvas, or Textile Material, or Combinations of the Same, for Use in the Repair of Boots and Shoes.

Claims use since Apr. 5, 1923.

Ser. No. 181,401. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) C. E. JOHNSON & Co., Chicago, Ill. Filed May 31, 1923.



Black Beauty

Trade-mark consists of the words "Black Beauty" and pictorial representation of a horse.

Particular description of goods.—Shoe Polish.
Claims use since January, 1898.

Ser. No. 181,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM B. CULROSS, Colton, Calif. Filed June 2, 1923.

GOLD BANNER

Particular description of goods.—Canned Fruit and Canned Vegetables.
Claims use since 1908.

Ser. No. 182,066. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEO. ROYLE & Co., Philadelphia, Pa. Filed June 15, 1923.

Peggy Shippen

Particular description of goods.—Bedspreads and Drapery Cloth of Cotton, Cotton and Silk, and Cotton and Wool.

Claims use since Jan. 1, 1923.

Ser. No. 182,067. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEO. ROYLE & Co., Philadelphia, Pa. Filed June 15, 1923.

Sally Myster

Particular description of goods.—Bedspreads and Drapery Cloth of Cotton, Cotton and Silk, and Cotton and Wool.

Claims use since Jan. 1, 1923.

Ser. No. 182,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEDITERRANEAN IMPORTING CO., New York, N. Y. Filed June 29, 1923.



The face of a male character shown on the drawing is the fanciful creation of the artist.

Particular description of goods.—Food Products—Namely, Olive Oil.
Claims use since May 21, 1923.

Ser. No. 182,699. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BRONZE SEAL PISTON RING CO., Green Bay, Wis. Filed July 2, 1923.



Particular description of goods.—Piston Rings.
Claims use since Mar. 25, 1923.

Ser. No. 182,791. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVE DE LA VIE, Chicago, Ill. Filed July 5, 1923.

Eve's Blush

Particular description of goods.—Rouge.
Claims use since January, 1923.

Ser. No. 183,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH KARLIN, doing business as Karlin Laboratories, New York, N. Y. Filed July 10, 1923.

AMEGIN

Particular description of goods.—Liquid Preparation for the Treatment of Pyorrhea.
Claims use since Jan. 1, 1923.

Ser. No. 183,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH KARLIN, doing business as Karlin Laboratories, New York, N. Y. Filed July 10, 1923.

ALBORINE

Particular description of goods.—Face and Hand Lotion.
Claims use since Jan. 1, 1923.

Ser. No. 183,099. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JEAN DE PATE, Sayville, N. Y. Filed July 12, 1923.

TUT-ANKH-AMEN

Particular description of goods.—Hairpins of Base Metal.
Claims use since Mar. 30, 1923.

Ser. No. 183,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STURGEON'S NUT PRODUCTS, LTD., New York, N. Y. Filed July 13, 1923.

nibble-nuts Every Bite's All Right

The right of exclusive use of the term "Nuts" apart from the other features of the mark not being claimed herein.

Particular description of goods.—All Forms of Nuts in Natural, Shelled, Prepared, Candied, or Salted Condition.
Claims use since June 1, 1923.

Ser. No. 183,413. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALBERT E. SMITH, East Wareham, Mass. Filed July 18, 1923.

Radium Finish

No claim is made to the exclusive use of the word "Finish" apart from the mark shown in the drawing. Trade-mark "Radium Finish."

Particular description of goods.—Cotton Piece Goods—viz, Poplins, Cotton Broadcloth, Voiles, Shirtings, and Pongees.

Claims use since June 20, 1914.

Ser. No. 183,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BURTONIZINO COMPANY AND WALLERSTEIN LABORATORIES, New York, N. Y. Filed July 24, 1923.

INVERTIT

Particular description of goods.—Invertase Used in Making Sugar Syrups.
Claims use since Sept. 23, 1921.

Ser. No. 184,494. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CRESCENT LABORATORIES, Norristown, Pa. Filed Aug. 15, 1923.

Mi-Ola

SO GOOD
The Family Drink

No claim is made for the words "So Good" and "The Family Drink" apart from the mark as shown, applicant reserving, however, all common-law rights to the mark as a whole.

Particular description of goods.—Maltless Syrups for Soft Drinks.
Claims use since Apr. 20, 1923.

Ser. No. 185,157. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed Aug. 20, 1923.

STIMPSON

Particular description of goods.—Bobbin Heads (Metal Heads or Washers for Each Side of Wooden Machinery Bobbins), Perforators (Machines for Perforating Check Books, Postage Stamps, Etc.); Typewriter-Ribbon Clamps, Tire Clamps; Creasing Machines (for Creasing Leather, Etc.); Eyelet Sets (Hand Sets, Also Hand-Lever, Foot-Lever, and Automatic Machines); Eyeletting Machines (Hand, Foot, and Automatic); Grommet Sets (Hand Sets, Also Hand-Lever, Foot-Lever, and Automatic Machines); Grommeting Machines (Hand, Foot, and Automatic); Razor Guards, Leather-Strip-Cutting Machines, Rawhide Mallets, Sail-Makers' Needles and Needles for Lacing Footballs and the Like; Punching Machines for Punching Paper, Cardboard, Fabric, and Light Metal; Typewriter-Ribbon Hooks, Punches, Riveting Machines (Hand, Foot, and Automatic Machines for Setting and Feeding Split, Tubular, and Side Prong Rivets); and Screw Drivers.

Claims use since Jan. 1, 1894.

328 O. G.—2

Ser. No. 185,166. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHINGTON "TASTY DROPS" COMPANY, Tacoma, Wash. Filed Aug. 29, 1923.



Particular description of goods.—Flavoring Extract for Foods.
Claims use since May 1, 1922.

Ser. No. 185,555. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Sept. 10, 1923.

TIPS

Particular description of goods.—Licorice Candy.
Claims use since about Aug. 9, 1923.

Ser. No. 185,880. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SOUTH BEND BAIT COMPANY, South Bend, Ind. Filed Sept. 17, 1923.

VAC-U-DREST

Particular description of goods.—Fishing Lines.
Claims use since July 18, 1923.

Ser. No. 186,296. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ABRAHAM M. SIEGEL, doing business as Robert Kelley & Co., Newark, N. J. Filed Sept. 27, 1923.

KOVER-RITE

Particular description of goods.—Paints of All Kinds and Paint Products.
Claims use since Mar. 1, 1922.

Ser. No. 186,749. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KIRSCHAUER MEDICATED OIL CO., Sioux City, Iowa. Filed Oct. 9, 1923.



Particular description of goods.—Live-Stock Remedies. Claims use since July 1, 1921.

Ser. No. 187,618. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR M. FREDRICKSON, doing business as Shurbake Co., Long Beach, Calif. Filed Oct. 29, 1923.

SHURBRAKE

Particular description of goods.—Rejuvenating Liquid for Brake Liners, Clutch Faces, and Like Gripping Surfaces.

Claims use since Sept. 1, 1923.

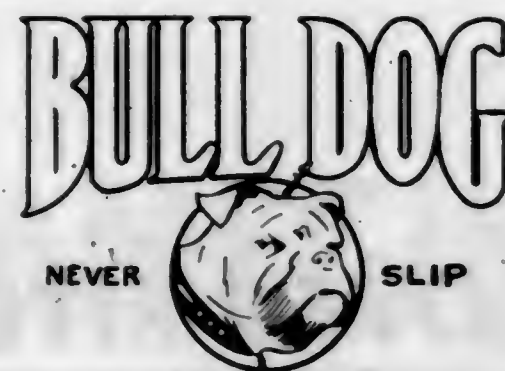
Ser. No. 188,559. (CLASS 39. CLOTHING.) ISRAEL, GOLDBERG & CO. INC., Cleveland, Ohio. Filed Nov. 19, 1923.

Bar-Monte

Particular description of goods.—Men's and Boys' Caps.

Claims use since Oct. 2, 1923.

Ser. No. 189,465. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THOMAS A. MESSENGER, doing business as Bull Dog Tire Patch Company, Des Moines, Iowa. Filed Dec. 10, 1923.



Applicant disclaims the use of the words "Never Slip" apart from the mark shown.

Particular description of goods.—Inner-Tube Patches. Claims use since December, 1915.

Ser. No. 189,511. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JEAN NAZELEY, doing business as J. Nazeley Co., New York, N. Y. Filed Dec. 11, 1923.



No claim is made to the representation of a loop aerial apart from the mark shown in the drawing.

Particular description of goods.—Aerial Loops, Radio Receiving Machines, and Supplies.

Claims use since about January, 1922.

Ser. No. 189,631. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Dec. 13, 1923.

Araby

Particular description of goods.—Shaving Cream in the Form of Soap Paste.

Claims use since Oct. 5, 1923.

Ser. No. 190,002. (CLASS 39. CLOTHING.) L. BAMBERGER & CO., Newark, N. J. Filed Dec. 22, 1923.

THINNERFORM

Particular description of goods.—Corsets. Claims use since Nov. 19, 1923.

Ser. No. 190,252. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NORMAN S. GOLDBERGER, doing business as Fidelio Brewery, New York, N. Y. Filed Dec. 29, 1923.

FIDELIO

Particular description of goods.—Cereal Beverages, Near Beer, and Light or Soft Drinks Having an Alcoholic Content Less Than One-Half of One Per Cent, by Volume.

Claims use since July 22, 1921.

Ser. No. 190,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA VEGETABLE UNION, Los Angeles, Calif. Filed Jan. 2, 1924.



Particular description of goods.—Fresh Vegetables, Fresh Deciduous Fruits, Fresh Citrous Fruits, Fresh Melons, Fresh Grapes, and Fresh Lettuce.

Claims use since January, 1913.

Ser. No. 190,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALICE H. MARKS, New York, N. Y. Filed Jan. 14, 1924.



Particular description of goods.—Chocolate and Chocolate Candles.

Claims use since Nov. 15, 1921.

Ser. No. 191,065. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FENGEL CORPORATION, New York, N. Y. Filed Jan. 21, 1924.



No claim is made to the words "Trade-Mark."

Particular description of goods.—Irrigators, Bedpans, Urinals, Solution Basins and Bowls, Sputum Cups, Instrument Trays, Rubber Tubes for Surgical Drainage,

Catheters, Surgeons' Rubber Gloves and Aprons, Medicine Droppers, Nursing Nipples, Hot-Water Bottles, Ice Caps, Thermometers, Hypodermic Syringes, and Hypodermic Needles.

Claims use since Dec. 1, 1923.

Ser. No. 191,162. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. W. BUCKLEY RUBBER CO., New York, N. Y. Filed Jan. 23, 1924.

TRIMOL

Trade-mark "Trimol."

Particular description of goods.—Rubber, Cotton, and Linen Hose; Rubber, Cotton, and Canvas Belting; Rubber Packing, and Rubber Jar Rings.

Claims use since Oct. 9, 1919.

Ser. No. 191,230. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HACO-GESELLSCHAFT A.-G. BERN, Berne, Switzerland. Filed Jan. 24, 1924.

HACO

Trade-mark consists of the word "Haco."

Particular description of goods.—Malt Extract.

Claims use since June 30, 1922.

Ser. No. 191,265. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CLAYSON ROSS HAMMOND, Salem, Oreg. Filed Jan. 25, 1924.



Particular description of goods.—Pistons. Claims use since August, 1923.

Ser. No. 191,404. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PRESTO-ELECTRIC DEVICES CO., INC., Hartford, Conn., and New York, N. Y. Filed Jan. 28, 1924.



Particular description of goods.—Rotary Electric Polishing, Brushing, Cleaning, and Drilling Machines. Claims use since Feb. 1, 1921.

Ser. No. 191,647. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY WORKS, New Britain, Conn. Filed Feb. 1, 1924.



The mark consists in a blackened handy grip. In the drawing is shown a level in dotted lines for the purpose of illustrating the application of the mark, said illustration of a level forming no part of the mark and being disclaimed apart from the mark as shown.

Particular description of goods.—Levels.
Claims use since about Dec. 1, 1922.

Ser. No. 191,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BACHRACH-FELD CO., Cincinnati, Ohio. Filed Feb. 5, 1924.

GOLD BOND

Particular description of goods.—Malt Extract for Food Purposes.

Claims use since Feb. 1, 1924.

Ser. No. 191,913. (CLASS 37. PAPER AND STATIONERY.) FREDERICK W. BENWICK, doing business as Radiolog Co., Camden, N. J. Filed Feb. 6, 1924.



No claim is made to the word "Radiolog" apart from the mark as shown.

Particular description of goods.—Instruments for Recording the Dial Settings at Which Radio Broadcasting Stations are Brought in by Radio Receiving Stations, and Paper Webs Therefor.

Claims use since Dec. 31, 1923.

Ser. No. 192,175. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISAAC E. EMERSON, doing business as Brooklandwood Dairy, Lutherville and Baltimore, Md. Filed Feb. 12, 1924.

EGG-O-LAC

Particular description of goods.—Sirup for Use in the Preparation of Milk Beverage.

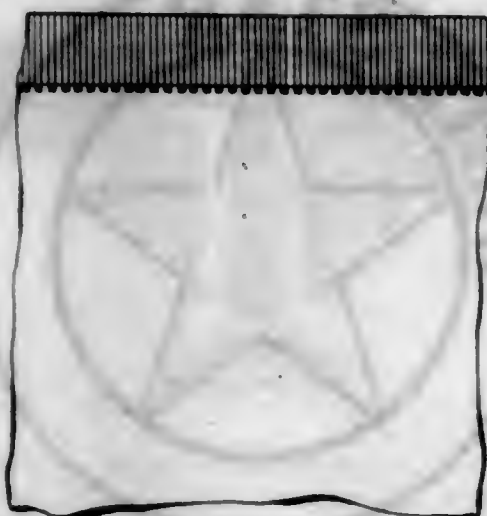
Claims use since Nov. 22, 1922.

Ser. No. 192,680. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. ENGEL, SONS & McCLELLAND, New York, N. Y. Filed Feb. 23, 1924.

**THE
BLOOM
OF
THE FLAX**

Particular description of goods.—Handkerchiefs.
Claims use since Jan. 7, 1924.

Ser. No. 193,397. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HABNICHEN BROS. SILK CO., Paterson, N. J. Filed Mar. 7, 1924.



The representation of the goods, excepting for the series of aligned blocks shown, is disclaimed as a part of the trade-mark. The mark consists of a series of spaced solid blocks bordering the inner side of the selva and each formed by a multiple of ends floated over the ground of the goods and arranged close together.

Particular description of goods.—Umbrella Silk Piece Goods.

Claims use since Feb. 21, 1924.

Ser. No. 193,541. (CLASS 39. CLOTHING.) PNEUMA SCHUHFABRIK A.-G., Erfurt, Germany. Filed Mar. 10, 1924.

PNEUMA

Trade-mark consists of the word "Pneuma."

Particular description of goods.—Shoes of Leather, Rubber, Fabrics, and Combinations of These Materials, and Leggings.

Claims use since July 21, 1923.

Ser. No. 193,869. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTHER MANUFACTURING CO., Philadelphia, Pa. Filed Mar. 15, 1924.

CHAMO-CLOTH

Particular description of goods.—Worsted Piece Goods, Woolen Piece Goods, Worsted and Cotton Piece Goods, Woolen and Cotton Piece Goods, and Worsted and Silk Piece Goods.

Claims use since about Mar. 6, 1924.

Ser. No. 194,225. (CLASS 27. HOROLOGICAL INSTRUMENTS.) UNION HOROLOGERS S. A., Bienne, Switzerland. Filed Mar. 21, 1924.

ALPINA

Particular description of goods.—Watches.
Claims use since 1896.

Ser. No. 194,345. (CLASS 39. CLOTHING.) ANNIE GALLAGHER, New York, N. Y. Filed Mar. 24, 1924.

TENEZFORTE

Particular description of goods.—Brassières.
Claims use since Mar. 14, 1924.

Ser. No. 194,690. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CADICK MILLING COMPANY, Grandview, Ind. Filed Mar. 31, 1924.



For purpose of trade-mark registration, but without waiving any common-law rights, applicant disclaims the words "Cadick Milling Co.," "Grand View, Ind.," and "Ohio Valley" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Wheat Flour.
Claims use since Mar. 8, 1924.

Ser. No. 194,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ALEXANDER B. STEWART ORGANIZATIONS, Long Beach, Calif. Filed Apr. 2, 1924.



Particular description of goods.—Ripe Olives, Canned Tunny, Canned Plumcots, and Canned Chiles.
Claims use since Mar. 11, 1924.

Ser. No. 194,902. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES E. BRADLEY, Boston, Mass. Filed Apr. 3, 1924.

MILL-LITE

Trade-mark consists of the word "Mill-Lite."
Particular description of goods.—Finish in the Nature of Cold-Water Paint for Ceilings and Wall Surfaces Whether of Plaster, Wood, Paper, Metal, Brick, or Stone.

Claims use since Sept. 22, 1922.

Ser. No. 195,060. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALFRED G. HOFFMAN, doing business as Midwest Radio Company, Cincinnati, Ohio. Filed Apr. 5, 1924.

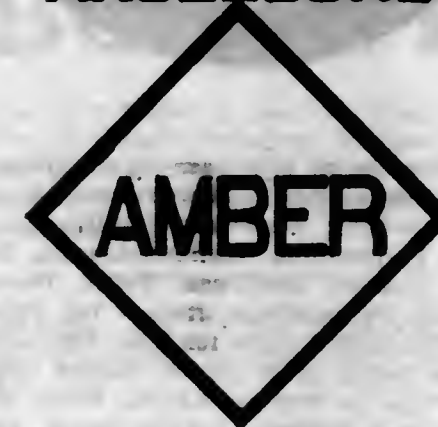
MIRACO

Particular description of goods.—Electrical Apparatus—Namely, Radio Receiving Sets, Loud Speakers, Head Sets, and Parts Thereof.

Claims use since Mar. 30, 1922.

Ser. No. 195,614. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, Bengal, British India. Filed Apr. 16, 1924.

ANGELOBRO



The word "Amber" is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, Garnet Lac.
Claims use since Dec. 31, 1919.

Ser. No. 195,616. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, Bengal, British India. Filed Apr. 16, 1924.

ANGELOBRO



The word "Stiff" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1908.

Ser. No. 195,654. (CLASS 8. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT SIMON, New York, N. Y. Filed Apr. 16, 1924.



Particular description of goods.—Cold Creams, Vanishing Creams, Depilatories, Hair Growers, Hair Tonics, Hair Dyes, Hair-Color Restorers, Hairdressings, Eyelash and Eyebrow Preparation, Skin Astringents, Face Powder, Talcum Powder, Perfumes, Toilet Waters, Bath Salts, Reducing Preparations, Rouges for Face, Rouges for Lips; Combination Rouges for Lips, Face and Cheeks; Shampoos, Sachets; Mud Packs, Lemon Packs, and Other Face Packs in Powder, Liquid, Paste, and Cream Form; Finger-Nail Polishers, Cuticle Cream, Cuticle Lotion, Cuticle Remover, and Hand Lotion, Tooth Pastes, Tooth Cream, Tooth Powder, Acne Preparations, Scalp Ointments, Scalp Remedies, Finger-Nail-Polish Removers, Nail White, Deodorants, Lip Sticks, Compacts, Liquid Skin Enamels, Liquid Face Powders, Pomades, and Face Creams.

Claims use since about Jan. 1, 1922.

Ser. No. 195,655. (CLASS 8. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT SIMON, New York, N. Y. Filed Apr. 16, 1924.

HAPPINESS

Particular description of goods.—Cold Creams, Vanishing Creams, Depilatories, Hair Growers, Hair Tonics, Hair Dyes, Hair-Color Restorers, Hairdressings, Eyelash and Eyebrow Preparations, Skin Astringents, Face Powder, Talcum Powder, Perfumes, Toilet Waters, Bath Salts, Reducing Preparations, Rouges for Face; Rouges for Lips, Face, and Cheeks; Shampoos, Sachets; Mud Packs, Lemon Packs, and Other Face Packs in Powder, Liquid, Paste, and Cream Form; Finger-Nail Polishers, Cuticle Cream, Cuticle Lotion, Cuticle Remover, and Hand Lotion, Tooth Pastes, Tooth Cream, Tooth Powder, Acne Preparations, Scalp Ointments, Scalp Remedies, Finger-Nail-Polish Removers, Nail White, Deodorants, Lip Sticks, Compacts, Liquid Skin Enamels, Liquid Face Powders, Pomades, and Face Creams.

Claims use since about Jan. 1, 1922.

Ser. No. 195,700. (CLASS 17. TOBACCO PRODUCTS.) LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y. Filed Apr. 17, 1924.



The words "Rough Cut" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Chewing and Smoking Tobacco.
Claims use since 1871.

Ser. No. 195,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BELL PACKING COMPANY, Reedley, Calif. Filed Apr. 22, 1924.

Mr Bell's

The trade-mark consists of the words "Mr. Bell's" written in the handwriting of Arthur H. Bell, a member of the Copartnership.
Particular description of goods.—Canned Ripe Olives.
Claims use since Feb. 19, 1924.

Ser. No. 195,970. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN ELECTRICAL SUPPLY COMPANY, INC., New York, N. Y. Filed Apr. 22, 1924.

SPARKER

Particular description of goods.—Dry Batteries.
Claims use since July, 1913.

Ser. No. 196,074. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) REPRODUCTO M'f'o. CORP., Newport News, Va. Filed Apr. 24, 1924.

REPRODUCTO

Particular description of goods.—Recording and Reproducing Phonographs.
Claims use since Jan. 1, 1924.

Ser. No. 196,148. (CLASS 37. PAPER AND STATIONERY.) GEORGE T. BELL, doing business as National Tire Company, Los Angeles, Calif. Filed Apr. 26, 1924.



Pay-as-you-Ride

The descriptive words "National Tire Credit System" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Printed Forms, Business Systems, and Filing Cabinets.
Claims use since Feb. 5, 1924.

Ser. No. 196,158. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Apr. 26, 1924.

SEALZIT

Particular description of goods.—Asbestos Fireproof Paint.
Claims use since Sept. 12, 1923.

Ser. No. 196,471. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL LEAD BATTERY CO., St. Paul, Minn. Filed May 2, 1924.

NATIONAL

Particular description of goods.—Batteries.
Claims use since December, 1918.

Ser. No. 196,472. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL LEAD BATTERY CO., St. Paul, Minn. Filed May 2, 1924.

SUPER-NATIONAL

Particular description of goods.—Batteries.
Claims use since December, 1918.

Ser. No. 196,496. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Filed May 3, 1924.

Zinc Insulated

Particular description of goods.—Wire, Wire Fencing, and Particularly Woven-Wire Fencing.
Claims use since Mar. 21, 1924.

Ser. No. 196,718. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FR. SPEIDEL, doing business as Speidel Chain Co., Pforzheim, Germany, and Providence, R. I. Filed May 7, 1924.

BONAFIT

Particular description of goods.—Chains for Personal Wear, Fobs, Pendants, Bracelets, Brooches, Scarf Pins, Cuff Links, Lapel Buttons, and Earrings, All of Which are Made of or Plated with Precious Metals.
Claims use since 1913.

Ser. No. 196,756. (CLASS 15. OILS AND GREASES.) PANOLEUM PRODUCTS CO., Cleveland, Ohio. Filed May 8, 1924.

PANOLEUM

Particular description of goods.—Lubricating Compounds.
Claims use since about June 1, 1923.

Ser. No. 196,832. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FR. SPEIDEL, doing business as Speidel Chain Co., Pforzheim, Germany, and Providence, R. I. Filed May 9, 1924.

MAGNET

Particular description of goods.—Chains for Personal Wear, Fobs, Pendants, Bracelets, Brooches, Scarf Pins, Cuff Links, Lapel Buttons, and Earrings, All of Which are Made of or Plated with Precious Metals.
Claims use since 1922.

Ser. No. 196,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND FISH CO., Boston, Mass. Filed May 10, 1924.

FROZEN WITH THE WIGGLE IN ITS TAIL

Particular description of goods.—Frozen Fish.
Claims use since Nov. 1, 1917.

Ser. No. 197,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON, SEWALL & CO., INC., Houston, Galveston, and Port Arthur, Tex. Filed May 14, 1924.

WISTERIA

Particular description of goods.—Rolled Oats.
Claims use since Nov. 1, 1912.

Ser. No. 197,292. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AL. RAY CO., Louisville, Ky. Filed May 19, 1924.

BOY-BYKE

Particular description of goods.—Small Three-Wheeled Velocipedes.
Claims use since Mar. 16, 1924.

Ser. No. 197,426. (CLASS 39. CLOTHING.) EDWARD N. MARCUS, doing business as Evelyn Dress Company, Boston, Mass. Filed May 22, 1924.

Evelyn

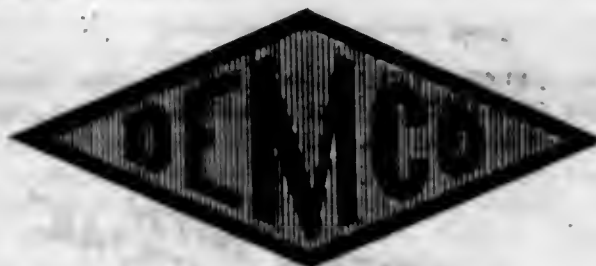
Particular description of goods.—Dresses.
Claims use since Mar. 1, 1923.

Ser. No. 197,479. (CLASS 15. OILS AND GREASES.) FRANKLIN OIL COMPANY, Burbank, Calif. Filed May 23, 1924.

PENNSTATE

Particular description of goods.—Lubricating Oils and Greases.
Claims use since June 25, 1921.

Ser. No. 197,534. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DRENDALL ELECTRICAL & MFG. CO. INC., San Francisco, Calif. Filed May 24, 1924.



The interior of the diamond is colored red, as indicated by the vertical lines shown in the drawing.

Particular description of goods.—Panel Boards, Switchboards, Electric Switches, Electric Switch Boxes, Circuit Makers and Breakers.

Claims use since about July 1, 1909.

Ser. No. 197,591. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE W. T. EDWARDS MANUFACTURING COMPANY, New Britain, Conn. Filed May 26, 1924.

NINE AM.

Particular description of goods.—Lighting Fixtures and Supplies—Namely, Lamp Shades and Reflectors Made of Metal and Lenses.

Claims use since May 14, 1924.

Ser. No. 197,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. N. and BLANCHE SAMPLE, Sunnyside and Fresno, Calif. Filed May 26, 1924.

BEAUTY

Particular description of goods.—Fresh Grapes.
Claims use since May 7, 1924.

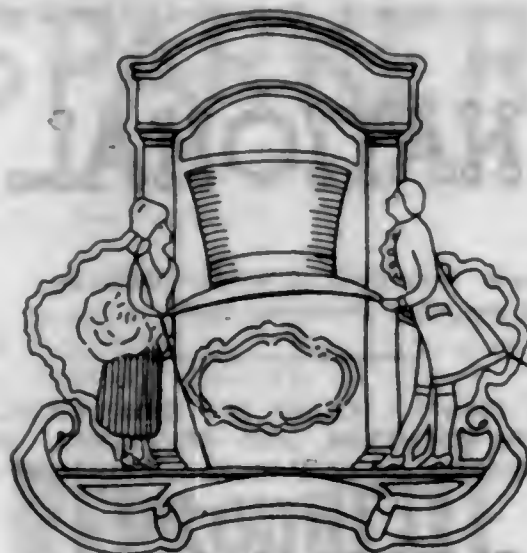
Ser. No. 197,667. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KINODYNE RADIO CORPORATION, New York, N. Y. Filed May 27, 1924.

KINODYNE

Particular description of goods.—Radio Telephone and Telegraph Appliances, Devices, and Apparatus—Namely, Rheostats, Resistors, Inductances, Variometers, Variocouplers, Condensers, Two and Three Element Tubes, Crystal and Electron Tube Detectors, One, Two, and Three Stage Electron-Tube Amplifiers; Lightning Arresters, Plugs, Sockets, Telephone Receivers and Transmitters, Loud Speakers, and Assembled Wireless Receiving Sets.

Claims use since May 17, 1924.

Ser. No. 197,866. (CLASS 39. CLOTHING.) COLONIAL HAT COMPANY, Chicago, Ill. Filed May 31, 1924.



No claim is made to the pictorial representation of the hat which appears on the drawing.

Particular description of goods.—Men's and Boys' Caps and Hats.

Claims use since Oct. 1, 1923.

Ser. No. 197,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSE CHEVALIER GOSTENHOFFER, New York, N. Y. Filed May 31, 1924.



No claim is made to the words "Rose Chevalier Toilet Preparations" apart from the trade-mark as shown.

Particular description of goods.—Toilet Face Lotions and Liquid and Other Toilet Powders.

Claims use since May 25, 1924.

Ser. No. 198,025. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE NICHOLS MANUFACTURING COMPANY, Bridgeport, Conn. Filed June 3, 1924.

HYGEIA

Particular description of goods.—Sanitary Belts, Sanitary Aprons, and Jock Straps.

Claims use since on or about Dec. 15, 1887.

Ser. No. 198,062. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE ELWELL-PARKER ELECTRIC CO., Cleveland, Ohio. Filed June 4, 1924.

Hi Lo TRUCTORS

Particular description of goods.—Industrial Trucks.
Claims use since Apr. 10, 1924.

Ser. No. 198,110. (CLASS 12. CONSTRUCTION MATERIALS.) BROWN & WOLARY, Centerville, Iowa. Filed June 5, 1924.



Particular description of goods.—Composition for Making Hard Road Pavements.

Claims use since Mar. 1, 1924.

Ser. No. 198,174. (CLASS 32. FURNITURE AND UPHOLSTERY.) COMPACTOM LIMITED, London, England. Filed June 6, 1924.



Particular description of goods.—Household Furniture—Namely, Wardrobes and Like Clothing Cabinets.
Claims use since June, 1921.

Ser. No. 198,263. (CLASS 37. PAPER AND STATIONERY.) STANDARD PRODUCTS CORPORATION, New York, N. Y. Filed June 7, 1924.



RITEX

No claim is made to the exclusive use of the words "Standard Products" except in association with the other features of the mark.

Particular description of goods.—Typewriter Ribbons.
Claims use since June 5, 1924.

Ser. No. 198,380. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROONEY E. REED, doing business as R. & R. Mfg. Co., Los Angeles, Calif. Filed June 10, 1924.

ONAVAC

Particular description of goods.—Circuit-Breaking Devices for Auto Vehicles.
Claims use since Nov. 1, 1923.

Ser. No. 198,390. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) S. V. WARD, Houston, Tex. Filed June 10, 1924.

VARNIBRITE

Particular description of goods.—Liquid Polish for Automobiles.
Claims use since May 23, 1924.

Ser. No. 198,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LARIOS Y CROOKE, Malaga, Spain. Filed June 11, 1924.



The words "Larios y Crooke Aceite Comestible Puro de Oliva Malaga Espana," as well as the words "Marca Registrada," are disclaimed apart from the mark shown.

Particular description of goods.—Olive Oil.
Claims use since May 7, 1919.

Ser. No. 198,502. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARBER ASPHALT COMPANY, Philadelphia, Pa. Filed June 13, 1924.



The lining on drawing does not indicate any particular color. The words "The Standard of Excellence" and "Withstands the Test of Time" are disclaimed as trademarks except as used in conjunction with the mark shown in the drawing.

Particular description of goods.—Composition Roofing Materials, Asphalt Fiber Coating for Roofs, Plasterboard, Asphalt Putty, Battery-Seal Asphalt, Asphalt Pipe Coating, Asphalt Gum, Asphalt Compounds, and Ready-Mixed Elastic Boiler Cement.

Claims use since Aug. 1, 1921.

Ser. No. 198,559. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIERE CO., New York, N. Y. Filed June 14, 1924.

THINDERELLA

Particular description of goods.—All-Rubber Girdles for Ladies.
Claims use since May 16, 1924.

Ser. No. 198,686. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HEINRICH SIZOEL, Berlin, Germany. Filed June 16, 1924.

Timur

Particular description of goods.—Rust-Removing and Cleaning Compound for Steel, Iron, and Metal Wares, This Compound Being Either in Paste or Pulverized Form.

Claims use since October, 1923.

Ser. No. 198,702. (CLASS 39. CLOTHING.) FAIRBROS. & CO. LIMITED, Leicester, England. Filed June 17, 1924.

OVAL-OCTO

Particular description of goods.—Stocking and Sock Suspenders, Garters, Braces, Belts, Garment Supporters, Shoulder Straps, and Corsets.

Claims use since Nov. 3, 1921.

Ser. No. 198,766. (CLASS 37. PAPER AND STATIONERY.) JOSEPH J. SCHULTZ & Co., New York, N. Y. Filed June 18, 1924.

LEDGLOK

Particular description of goods.—Binders for Loose-Leaf Ledgers.
Claims use since Nov. 5, 1922.

Ser. No. 198,799. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH M. GRIES, Battle Mountain, Nev. Filed June 19, 1924.



The lettering on trade-mark is shown in blue and the bands of the rainbow in red, white, blue, and in mottled brown.

Particular description of goods.—Ice Cream and Ice-Cream Cones.
Claims use since May 10, 1924.

Ser. No. 198,830. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed June 20, 1924.

O.K.

Particular description of goods.—Chewing Gum.
Claims use since 1898.

Ser. No. 198,930. (CLASS 37. PAPER AND STATIONERY.) WATSON POMEROY AULL, St. Louis, Mo. Filed June 21, 1924.

"CORRU"-RAPPER

Without waiving any common-law rights no claim is made to the exclusive use of the word "Rapper" apart from the mark shown in the drawing.

Particular description of goods.—Protective Paper Wrappers for Containers.
Claims use since June 13, 1924.

Ser. No. 199,064. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHNSON & JOHNSON, New Brunswick, N. J. Filed June 24, 1924.

BAND-AID

Particular description of goods.—Protective Surgical Dressing in the Form of a Bandage.
Claims use since November, 1920.

Ser. No. 199,091. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ISADOR RUDOLPH, Philadelphia, Pa. Filed June 24, 1924.

PORTOLA

Particular description of goods.—Radiohorns, Radiophones, Radio Receiving Sets, and Parts Thereof.
Claims use since June 13, 1924.

Ser. No. 199,154. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DINGS & SCHUSTER, Long Island City, N. Y. Filed June 26, 1924.

SEALAC

Particular description of goods.—Varnish Composition.
Claims use since August, 1918.

Ser. No. 199,270. (CLASS 12. CONSTRUCTION MATERIALS.) THE YOUNGSTOWN PRESSED STEEL COMPANY, Warren, Ohio. Filed June 27, 1924.

YOUNGSTOWN PENCIL

Particular description of goods.—Metal Channel Iron, Metal Studding, Metal Bearing Strips, and the Like.
Claims use since Jan. 15, 1924.

Ser. No. 199,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUEEN ANNE CANDY COMPANY, INC., Seattle, Wash. Filed June 30, 1924.



Trade-mark consists in the representation of a duck carrying a cane and dressed in a jacket.

Particular description of goods.—Candies in Bulk, Boxed Candies, Candy Bars, Fruit and Nut Bars, and Salted Nuts.
Claims use since May 5, 1922.

Ser. No. 199,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLANDSCHE CACAO-EN CHOCOLADEFABRIEKEN V/H BENDORP & Co., Amsterdam, Netherlands. Filed July 1, 1924.



Applicant disclaims in this application any exclusive right to the color lines and word "Cocoa" apart from the other features of the mark shown in the drawing.
Particular description of goods.—Cocoa.
Claims use since Nov. 16, 1881.

Ser. No. 199,445. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HENRY M. WILLIAMS, doing business as C. H. Eddy & Company, Brattleboro, Vt. Filed July 1, 1924.

PICNIC-PACK

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since May 20, 1924.

Ser. No. 199,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FIXACO COMPANY, St. Louis, Mo., and San Francisco, Calif. Filed July 2, 1924.

FIXACO

Particular description of goods.—Confection to be Used in the Treatment of Coughs, Colds, Sore Throat, and Hoarseness.
Claims use since June 5, 1924.

Ser. No. 199,505. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ABRAM M. SWEYD, New York, N. Y. Filed July 2, 1924.

Paintex

Particular description of goods.—Ready-Mixed Prepared Paints.
Claims use since May 31, 1924.

Ser. No. 199,586. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TAYLOR, TUNNICLIFF & CO. LTD., Hanley, England. Filed July 3, 1924.



Particular description of goods.—Electric Insulators Made of Porcelain or Earthenware.
Claims use since July, 1923.

Ser. No. 199,697. (CLASS 39. CLOTHING.) O. C. HANSEN MANUFACTURING CO., Milwaukee, Wis. Filed July 7, 1924.

ristocrat

Particular description of goods.—Men's Gloves of Leather, Fabric, and Rubber and Combinations of the Same.
Claims use since Jan. 15, 1924.

Ser. No. 199,698. (CLASS 39. CLOTHING.) O. C. HANSEN MANUFACTURING CO., Milwaukee, Wis. Filed July 7, 1924.



Particular description of goods.—Men's Gloves of Leather, Fabric, Rubber, and Combinations of the Same.
Claims use since Sept. 1, 1923.

Ser. No. 199,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, doing business as Gibson-Howell Company, Inc., New York, N. Y. Filed July 7, 1924.

Gibson's SWEET-BREATH

Particular description of goods.—Mouth Wash.
Claims use since Jan. 15, 1924.

Ser. No. 199,744. (CLASS 39. CLOTHING.) COHN-LAZERUS COMPANY, Los Angeles, Calif. Filed July 8, 1924.

Westfelt

Trade-mark consists of the word "Westfelt."
Particular description of goods.—Headwear—Namely, Felt Hats for Men.
Claims use since April, 1924.

Ser. No. 199,745. (CLASS 39. CLOTHING.) COHN-LAZERUS COMPANY, Los Angeles, Calif. Filed July 8, 1924.

CALABILT

Trade-mark consists of the word "Calabilt."
Particular description of goods.—Hats and Caps for Men.
Claims use since April, 1924.

Ser. No. 199,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALERJA PIOTROWSKA, doing business as Imported Medical Herbs Tea Co., Chicago, Ill. Filed July 10, 1924.

Herbs Tea



The figure illustrated in drawing is fanciful, and applicant, without waiving any of her common-law rights, disclaims exclusive right to the use of the words "Herbs Tea" apart from the mark shown.

Particular description of goods.—Herbs Adapted to be Made into Teas for Medicinal Purposes.
Claims use since July 1, 1921.

Ser. No. 199,858. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

TRIO

Particular description of goods.—Writing, Drawing, Painting, and Billiard and Marking Chalk and Elastic Bands (Not Woven).
Claims use since 1909.

Ser. No. 199,859. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.



Particular description of goods.—Lead and Colored Pencils, Mechanical Lead Pencils, and Penholders.
Claims use since 1896.

Ser. No. 199,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARZOL COMPANY, Richmond Hill, N. Y. Filed July 11, 1924.



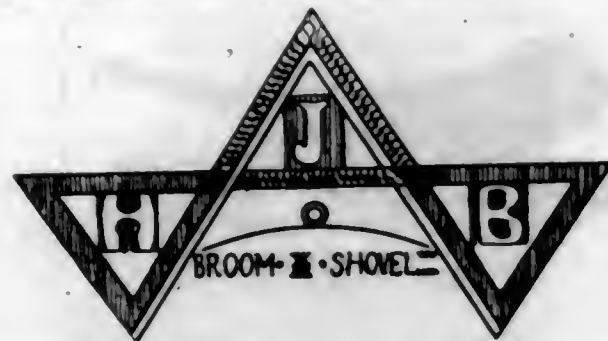
Particular description of goods.—Healing Ointment.
Claims use since Aug. 1, 1922.

Ser. No. 199,903. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN RUBIN & COMPANY, INC., Chicago, Ill. Filed July 11, 1924.



Particular description of goods.—Books and Pamphlets Manufactured, Printed, and Circulated by this Applicant.
Claims use since about Oct. 15, 1923.

Ser. No. 199,927. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ISRAEL BERSHADSKY, doing business as The Original Combination Shovel & Broom Co., New York, N. Y. Filed July 12, 1924.

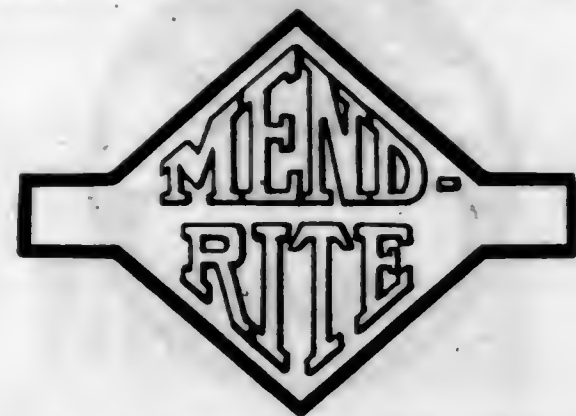


No claim is made to the words "Broom and Shovel" separate and apart from the mark shown in the drawings.

Particular description of goods.—Combination Broom and Shovel.

Claims use since June 1, 1924.

Ser. No. 199,997. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PERLEY L. KNICK, doing business as Knick's Mend-Rite Mfg. Co., Kansas City, Mo. Filed July 14, 1924.



Particular description of goods.—Fan Belts, Rubber and Fabric Patches, and Blow-Out Patches.

Claims use since Mar. 1, 1924.

Ser. No. 200,076. (CLASS 39. CLOTHING.) YOUNG SHOE COMPANY, Los Angeles, Calif. Filed July 15, 1924.

SPEEDY
Shoes

The word "Shoes" is disclaimed. Trade-mark "Speedy Shoes."

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers of Leather, Rubber, and Fabric or Combinations Thereof.

Claims use since about January, 1917.

Ser. No. 200,148. (CLASS 37. PAPER AND STATIONERY.) MONTAG'S INCORPORATED, Los Angeles, Calif. Filed July 17, 1924.

WESTWARD-HO

Particular description of goods.—Tablets, Boxed Writing Papers, Pound Papers, Envelopes, and Correspondence Cards, Typewriter Carbon; Shelf, Loose-Leaf, Crêpe, and

Toilet Papers; Lead Pencils, Erasers, Steel Pens and Fountain Pens, Box Letter Files, Loose-Leaf and Students' Notebooks, Blank and Memorandum Books.

Claims use since Mar. 1, 1924.

Ser. No. 200,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARENCE A. KAISER, doing business as American Chickeries, Gramplan, Pa. Filed July 18, 1924.



The lining of drawing does not represent any particular color, but is for the purpose of shading only. No claim is made to the use of the words "Quality" and "Utility" or to the representation of the chicks apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.

Particular description of goods.—Day-Old Chicks, Hatching Eggs, and Poultry Breeding Stock.

Claims use since Jan. 1, 1924.

Ser. No. 200,208. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAAS & WALDSTEIN Co., Newark, N. J. Filed July 18, 1924.

MOTOLAC

"Lac" is disclaimed apart from the trade-mark used.

Particular description of goods.—Lacquers, Lacquer Enamels, and Ready-Mixed Paints.

Claims use since on or about July 11, 1924.

Ser. No. 200,280. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICH TOOL COMPANY, Chicago, Ill. Filed July 19, 1924.

RICH

Particular description of goods.—Poppet Valves for Internal-Combustion Engines.

Claims use since January, 1913.

Ser. No. 200,309. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARY S. COX, doing business as Indian Herbs Laboratory, Tujunga, Calif. Filed July 21, 1924.



No claim is made for "Oxinated Iron," "Pyorrhea Chew," "Healing Tape," "Safe," and "Sure" apart from the mark shown by the drawing.

Particular description of goods.—Medicinal Compounds of Indian Herbs—Namely, Indian Healing Tape; That is, Cotton Tape Saturated with a Fluid Extracted from Indian Herbs and Used for Wrapping All Kinds of Wounds; Indian Pyorrhea Chew; That is, a Fiber Saturated with an Indian Herb Extract Suitable for Treating Pyorrhea and Adapted to be Chewed; and Indian Iron Tonic which is an Iron Tonic in Tablet Form for Blood Building.

Claims use since May 1, 1924.

Ser. No. 200,357. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HARRISON RADIATOR CORPORATION, Lockport, N. Y. Filed July 22, 1924.



Without waiving any of its common-law rights and solely for the purpose of trade-mark registration in the United States Patent Office applicant corporation disclaims the right to the exclusive use of the word "Cooled" apart from the trade-mark shown on the drawing.

Particular description of goods.—Automobile Radiators.

Claims use since Nov. 16, 1923.

Ser. No. 200,379. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOHN P. AGNEW & Co., INC., Washington, D. C. Filed July 23, 1924.

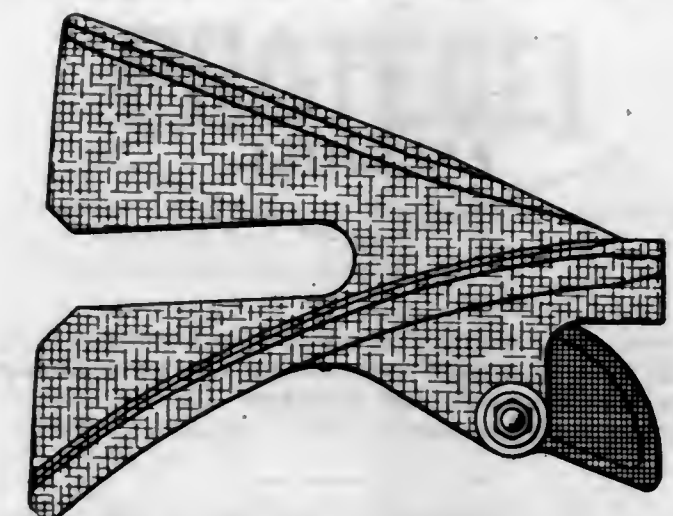


The words "Stove Coal" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Coal.

Claims use since Jan. 9, 1924.

Ser. No. 200,383. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THOMAS H. EDELBLUTE, doing business as T. H. Edelblute Company, Pittsburgh, Pa. Filed July 23, 1924.



No claim is made to the representation of the article apart from the mark shown in the drawing. The trade-mark consists in the contrasting yellow and black coloring applied to the surface of the goods.

Particular description of goods.—Car Replacers, Also Known as Retrackerers, Rerallers, and Wrecking Frogs.

Claims use since Nov. 22, 1923.

Ser. No. 200,384. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THOMAS H. EDELBLUTE, doing business as T. H. Edelblute Company, Pittsburgh, Pa. Filed July 23, 1924.



TRADE MARK

No claim is made to the words "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Car Replacers, Also Known as Retrackerers, Rerallers, and Wrecking Frogs.

Claims use since Nov. 22, 1923.

Ser. No. 200,385. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THOMAS H. EDELBLUTE, doing business as T. H. Edelblute Company, Pittsburgh, Pa. Filed July 23, 1924.

"ANCHOR"

Particular description of goods.—Car Replacers, Also Known as Retrackerers, Rerallers, and Wrecking Frogs.

Claims use since Nov. 22, 1923.

Ser. No. 200,389. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FALLKILL RADIO & ELECTRICAL CORP., Poughkeepsie, N. Y. Filed July 23, 1924.



FALLKILL

Particular description of goods.—Variocouplers, Variometers, Coils, Tubes, Transformers, Dry Cells, Storage Batteries, Rechargers, and Switches.
Claims use since July 1, 1923.

Ser. No. 200,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLERIDGE W. HART, New York, N. Y. Filed July 23, 1924.

SOLDERCAKE

Particular description of goods.—Compressed Cakes of Sal Ammoniac.
Claims use since June 1, 1924.

Ser. No. 200,406. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE ROWELL CORPORATION, Long Island City, N. Y. Filed July 23, 1924.

ROYALIN

Particular description of goods.—Ready-Mixed Paints, Lacquers, Paint Enamels, Thinners for Paints, and Paint and Varnish Removers.
Claims use since June 25, 1924.

Ser. No. 200,409. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK C. SPINNER, doing business as Cook Commutator Co., Brooklyn, N. Y. Filed July 23, 1924.

COOK  TIMER

Without waiving any common-law rights the applicant disclaims for the purpose of trade-mark registration the right to the exclusive use of the words "Cook Timer" apart from the mark shown in the drawing.

Particular description of goods.—Timers for Internal Combustion Engines.
Claims use since May 20, 1924.

Ser. No. 200,489. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GOLL-EVANS CO., INC., New York, N. Y. Filed July 25, 1924.

WILHELMY

Trade-mark consists in the Anglicized surname of the noted violinist and composer.

Particular description of goods.—Strings for Violins and Similar Musical Instruments.
Claims use since May 1, 1924.

Ser. No. 200,490. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GOLL-EVANS CO., INC., New York, N. Y. Filed July 25, 1924.



Particular description of goods.—Strings for Violins and Similar Musical Instruments.
Claims use since Sept. 15, 1923.

Ser. No. 200,526. (CLASS 39. CLOTHING.) THE SHERMAN HAT CO., New York, N. Y. Filed July 25, 1924.



No claim is made to the words "Hercraft," "Reg.," "Mfd. by," "The Sherman Hat Co.," and "New York."
Particular description of goods.—Men's Hats.
Claims use since Dec. 10, 1922.

Ser. No. 200,549. (CLASS 27. HOROLOGICAL INSTRUMENTS.) PETER DEMETROPOULOS, doing business as Ortho Novelty Co., Chicago, Ill. Filed July 26, 1924.



Applicant disclaims the right to the exclusive use of the representation of a clock except as shown in connection with the trade-mark. Said waiver, however, is not to be construed as a waiver of applicant's common-law rights thereto.

Particular description of goods.—Clocks.
Claims use since Dec. 1, 1923.

Ser. No. 200,594. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) R. J. HILL BRAKE CO., Philadelphia, Pa. Filed July 26, 1924.

HILCO

Particular description of goods.—Automobile Brake Lining and Clutch Facings.
Claims use since May 9, 1924.

Ser. No. 200,605. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW BERKHALL, Lakewood, Ohio. Filed July 28, 1924.

OCEANTONE

Particular description of goods.—Compressed Tablets Containing Cod-Liver Oil for Use as a General Tonic.
Claims use since July 10, 1924.

Ser. No. 200,607. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE BIGELOW BRUSH COMPANY, Baltimore, Md. Filed July 28, 1924.

Craftsman

Particular description of goods.—Paint and Varnish Brushes Made from Bristles.
Claims use since May 2, 1924.

328 O. G.—3

Ser. No. 200,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LABORATORY PRODUCTS COMPANY, Cleveland, Ohio. Filed July 28, 1924.

PROTEGEL

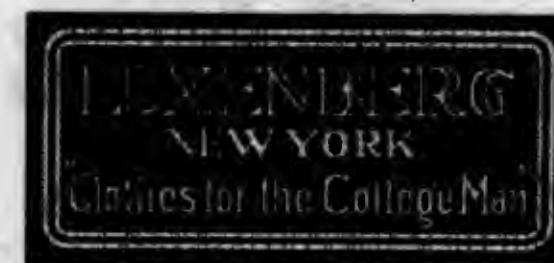
Particular description of goods.—Soluble Milk Protein in Powder Form.
Claims use since Feb. 29, 1924.

Ser. No. 200,679. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed July 29, 1924.

A-GRIPPA

Particular description of goods.—Buckles of Precious Metal for Garment-Supporting Belts.
Claims use since Feb. 1, 1924.

Ser. No. 200,687. (CLASS 39. CLOTHING.) NAT LUXENBERG & BROS., New York, N. Y. Filed July 29, 1924.



No claim is made to exclusive use of any of the words used in the mark apart from the mark shown in the drawing without, however, waiving any rights to said use other than statutory.

Particular description of goods.—Men's and Boys' Outer Wear and Clothing of All Kinds—Namely, Coats, Vests, Trousers, Overcoats, Suits, Knickers, Knee Pants, Mackinaws, and Raincoats.
Claims use since 1920.

Ser. No. 200,697. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) H. A. WEYMANN & SON, INC., Philadelphia, Pa. Filed July 29, 1924.

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Particular description of goods.—Tuning Peg for Banjos and Similar Musical Instruments.
Claims use since Feb. 15, 1923.

Ser. No. 200,699. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PETER ALINAUSKAS, doing business as P. Alinauskas, Chicago, Ill. Filed July 30, 1924.

BAVARSKO

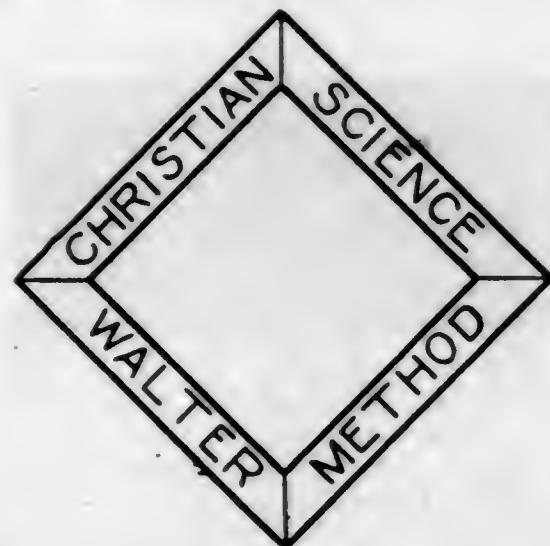
Particular description of goods.—Malt Extract Suitable for Nonalcoholic Beverages.
Claims use since Feb. 1, 1922.

Ser. No. 200,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL L. ALLEN, doing business as Phoenix Drug Co., Monroe, La. Filed July 30, 1924.

AL-E-CO

Particular description of goods.—Liniment and Also a Tonic and Laxative for Indigestion, Constipation, Biliousness, Sick Headache, and Sour Stomach.
Claims use since Apr. 1, 1924.

Ser. No. 200,735. (CLASS 38. PRINTS AND PUBLICATIONS.) WM. W. WALTER, Aurora, Ill. Filed July 30, 1924.



Particular description of goods.—Printed Books.
Claims use since July 15, 1924.

Ser. No. 200,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed July 31, 1924.

Town & Country

Particular description of goods.—Candy.
Claims use since Apr. 10, 1924.

Ser. No. 200,790. (CLASS 31. FILTERS AND REFRIGERATORS.) UNITED FILTERS CORPORATION, Hazleton, Pa. Filed July 31, 1924.

Sweetland

Particular description of goods.—Filters.
Claims use since about 1910.

Ser. No. 200,791. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE VITAGRAPH COMPANY OF AMERICA INC., Brooklyn, N. Y. Filed July 31, 1924.



Applicant disclaims the exclusive use of the word "Picture" apart from the mark as shown.
Particular description of goods.—Motion Pictures and Motion-Picture Films.
Claims use since June 17, 1924.

Ser. No. 200,793. (CLASS 37. PAPER AND STATIONERY.) H. W. WILLIAMS & CO., INC., Fort Worth, Tex. Filed July 31, 1924.



No claim is made to the words "Linen Fabric" apart from the trade-mark as shown.
Particular description of goods.—Box Stationery, Correspondence Cards, and Pound Paper and Tablets.
Claims use since Jan. 2, 1916.

Ser. No. 200,871. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ENGINEERING PRODUCTS CORPORATION, INCORPORATED, New York, N. Y. Filed Aug. 2, 1924.

CONDULATUM

Trade-mark consists of the arbitrary word "Condulatum."
Particular description of goods.—Insulating Compounds for Electrical Conductors for Cable Voltages Above 11,000.
Claims use since Jan. 1, 1924.

Ser. No. 200,876. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) FISHER BROS. PAPER COMPANY, Fort Wayne, Ind. Filed Aug. 2, 1924.



No claim is made to the word "Brand" except in connection with the balance of the mark.
Particular description of goods.—Clothespins (Wooden), Washboards, and Washing Machines.
Claims use since July 30, 1924.

Ser. No. 200,895. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NU-LUSTER PRODUCTS CO., INC., New Orleans, La. Filed Aug. 2, 1924.



Particular description of goods.—Automobile Polish.
Claims use since Dec. 2, 1923.

Ser. No. 200,920. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. C. ZEIGLER, East Orange, N. J. Filed Aug. 2, 1924.



Particular description of goods.—Automobile Polish.
Claims use since Feb. 1, 1917.

Ser. No. 200,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK X. HUFSCHMIDT, doing business as Hufschmidt Laboratories, Milwaukee, Wis. Filed Aug. 4, 1924.

AMPHEPATIC

Particular description of goods.—Cholagogue, Diuretic, and Hepatic Stimulant.
Claims use since Oct. 1, 1923.

Ser. No. 201,042. (CLASS 15. OILS AND GREASES.) THE MOTORADE CORPORATION, Cleveland, Ohio. Filed Aug. 6, 1924.



The geographical term "U. S. A." is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Gasoline.
Claims use since Aug. 1, 1923.

Ser. No. 201,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Aug. 7, 1924.

SUN-MAID

Particular description of goods.—Table Syrup.
Claims use since Nov. 1, 1922.

Ser. No. 201,122. (CLASS 17. TOBACCO PRODUCTS.) COHEN, WEENEN & CO., London, England. Filed Aug. 8, 1924.



No claim is made to the exclusive use of the words "A Delicious Smoke," "Smoking Mixture Exquisitely Perfumed," and "London" apart from the mark shown on the drawing.
Particular description of goods.—Smoking Tobacco.
Claims use since October, 1893.

Ser. No. 201,159. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEWALL PAINT & GLASS COMPANY, Kansas City, Mo. Filed Aug. 8, 1924.



No claim is made to the words "Trade Mark," "Made Only by," and "A Super-Finish for Automobiles" apart from the mark shown in the drawing, without, however, waiving any common-law rights thereto.

Particular description of goods.—Prepared Paint in Paste or Semipaste Form, Varnishes, and Automobile Body Finishes.

Claims use since July 1, 1924.

Ser. No. 201,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE INTERNATIONAL CHEMICAL COMPANY, Cleveland, Ohio. Filed Aug. 9, 1924.

ANTISEPT-OIL

No claim is made to the word "Oil" apart from the mark shown in the drawing.

Particular description of goods.—Preparation Used in the Treatment of Affections of the Nose and Throat and for Defective Hearing.

Claims use since July 10, 1924.

Ser. No. 201,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHLOSS & KAHN GROCERY CO., Montgomery, Ala. Filed Aug. 9, 1924.

ALABAMA MAID

Particular description of goods.—Canned Fruits and Canned Vegetables and Canned Berries.

Claims use since Apr. 12, 1924.

Ser. No. 201,223. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CRESCENT DENTAL MFG. CO., Chicago, Ill. Filed Aug. 11, 1924.



Particular description of goods.—Dental Alloy.
Claims use since Aug. 12, 1919.

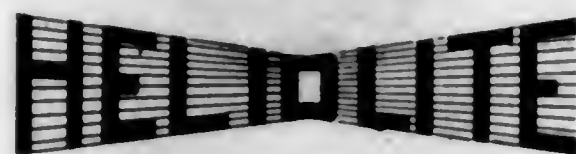
Ser. No. 201,224. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CRESCENT DENTAL MFG. CO., Chicago, Ill. Filed Aug. 11, 1924.

SEPRENE

Particular description of goods.—Varnish for Separating Dental Models.

Claims use since Mar. 1, 1919.

Ser. No. 201,310. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. SKLAR MANUFACTURING CO., New York and Brooklyn, N. Y. Filed Aug. 12, 1924.



Particular description of goods.—Electric Lamps and Radiators for Therapeutic Use.

Claims use since May 1, 1924.

Ser. No. 201,326. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Aug. 13, 1924.

PEACH

Particular description of goods.—Mouth Harmonicas and Accordions.

Claims use since 1904.

Ser. No. 201,331. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MICHAEL L. CRONENBERG, Cleveland, Ohio. Filed Aug. 13, 1924.

RING THE BULL



Particular description of goods.—Parlor Game Played with a Ring Attached to a String.
Claims use since January, 1924.

Ser. No. 201,338. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN E. EASTMOND, Brooklyn, N. Y. Filed Aug. 13, 1924.

ATOMAC

Particular description of goods.—Heat-Insulating Material in Powder, Cement, or Solid Form.

Claims use since July 30, 1924.

Ser. No. 201,364. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOE MIRABELLA, Port Arthur, Tex. Filed Aug. 13, 1924.



No claim is made to the words "Trade-Mark" appearing on the drawing.

Particular description of goods.—Cribbs.

Claims use since Dec. 19, 1923.

Ser. No. 201,368. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NATIONAL POOL & BILLIARD SUPPLY CO., Chicago, Ill. Filed Aug. 13, 1924.



No claim is made to the word "Ivory" and the words "Mark of Quality" apart from the mark as shown in the drawing.

Particular description of goods.—Billiard Balls.

Claims use since Feb. 1, 1923.

Ser. No. 201,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VASILL PEPPAS, East Pittsburgh, Pa. Filed Aug. 13, 1924.



Trade-mark consists of a portrait of applicant.
Particular description of goods.—Salve Used for the Treatment of Sores, Abrasions, Skin Affections, Bruises, and Similar Purposes.
Claims use since July 7, 1924.

Ser. No. 201,391. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN G. BUTLER COMPANY, Savannah, Ga. Filed Aug. 14, 1924.



No claim is made to the words "Better Paint" apart from the mark as shown, the applicant reserving all common-law rights.

Particular description of goods.—Ready-Mixed Paints—Namely, House Paints, Varnish Stains, Colors in Oil, Concrete Paints, Barn and Roof Paints, Varnishes, Flat Wall Paints, Railroad Paints, Shingle Stains, Japans, and Enamels.

Claims use since Aug. 8, 1924.

Ser. No. 201,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERICKSON & PETERSON, Minneapolis, Minn. Filed Aug. 15, 1924.

P.N.A.

Particular description of goods.—Medicine for Stomach and Kidney Disorders.
Claims use since on or about July 28, 1924.

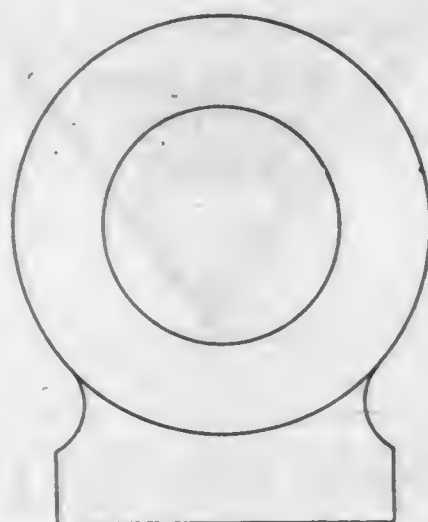
Ser. No. 201,460. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HYMAN L. SCHNURMAN, doing business as Gray Art Stamping Co., St. Louis, Mo. Filed Aug. 15, 1924.



No claim is made to the words "St. Louis" apart from the mark shown, no common-law rights, however, being waived.

Particular description of goods.—Art Goods Stamped with Designs for Embroidery or Fancy Work.
Claims use since July 15, 1924.

Ser. No. 201,473. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TAUNTON-NEW BEDFORD COPPER COMPANY, Taunton, Mass. Filed Aug. 15, 1924.



Particular description of goods.—Sheets and Bars of Brass or Copper or Alloys Thereof, Yellow Metal Castings and Forgings, and Extruded Shapes.
Claims use since about Dec. 1, 1900.

Ser. No. 201,487. (CLASS 37. PAPER AND STATIONERY.) BOORUM & PEASE COMPANY, Brooklyn, N. Y. Filed Aug. 16, 1924.



Exclusive right to the word "Binder" is disclaimed apart from the mark as shown.
Particular description of goods.—Loose-Leaf Binders.
Claims use since January, 1924.

Ser. No. 201,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER A. GROSSE, doing business as The Grosse Company, Los Angeles, Calif. Filed Aug. 16, 1924.

"144"

Particular description of goods.—Pile Ointment.
Claims use since June 23, 1924.

Ser. No. 201,555. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) F. AND W. TAG COMPANY, Waltham, Mass. Filed Aug. 18, 1924.

**SAF TAG
T**

No claim is made to the word "Tag" except in connection with the other features of the mark.
Particular description of goods.—Plumbers' Supplies—Namely, Valves and Shut-Offs Used in Connection with Plumbing and Heating Apparatus and Metal Stock Tags for General Merchandise.
Claims use since on or about July 1, 1924.

Ser. No. 201,572. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW J. MCINTYRE, Detroit, Mich. Filed Aug. 18, 1924.



Particular description of goods.—Skin Lotion.
Claims use since Jan. 1, 1903.

Ser. No. 201,673. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed Aug. 20, 1924.



MARQUISE

Particular description of goods.—Manicure Sets.
Claims use since Aug. 1, 1924.

Ser. No. 201,681. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. A. SEXAUER MFG. CO., INC., New York, N. Y. Filed Aug. 20, 1924.

HEAT-PEP

Particular description of goods.—Boiler Compound for Stopping Leaks, Removing and Preventing Scale, and Eliminating Rust.
Claims use since July 20, 1923.

Ser. No. 201,693. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE J. F. BRANDEIS CORPORATION, Newark, N. J. Filed Aug. 21, 1924.



No claim is made to the words "Trade-Mark" as a part of said mark as shown in the drawing.
Particular description of goods.—Radio Receiving Sets.
Claims use since June 1, 1924.

Ser. No. 201,696. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CORA A. COOK, doing business as Cook & Company, Brainerd and Minneapolis, Minn. Filed Aug. 21, 1924.

"Teach-Em-Ezy"

Particular description of goods.—Manually-Operated Multiplication and Addition Charts or Devices.
Claims use since Dec. 1, 1923.

Ser. No. 201,718. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SAGINAW STAMPING & TOOL CO., Saginaw, Mich. Filed Aug. 21, 1924.

RACE-A-WAY

Particular description of goods.—Coaster Wagons.
Claims use since June 1, 1924.

Ser. No. 201,765. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LINCOLN PRODUCTS CO., Chicago, Ill. Filed Aug. 22, 1924.



Trade-mark is a portrait of Abraham Lincoln.
Particular description of goods.—Shock Absorbers.
Claims use since Feb. 1, 1922.

Ser. No. 201,771. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWBRO MANUFACTURING CO., Atlanta, Ga. Filed Aug. 22, 1924.



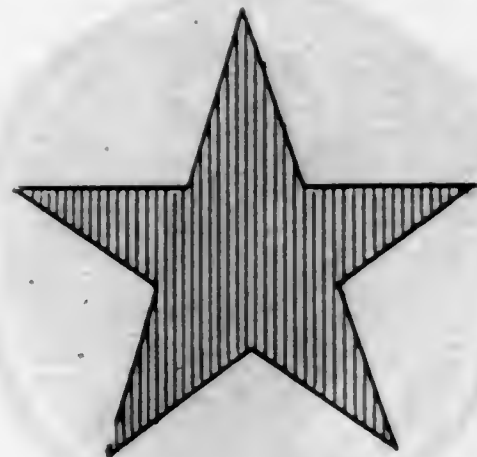
Particular description of goods.—Deodorant in Paste Form.
Claims use since Jan. 1, 1924.

Ser. No. 201,788. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WHITING LEATHER & BELTING CO., INC., Long Island City, N. Y. Filed Aug. 22, 1924.

TU TAN

Particular description of goods.—Leather Belting, Leather Straps, and Rawhide Cut Lace.
Claims use since Feb. 1, 1923.

Ser. No. 201,812. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. H. MACY & Co., INC., New York, N. Y. Filed Aug. 23, 1924.



The star representation forming trade-mark is shown in red.

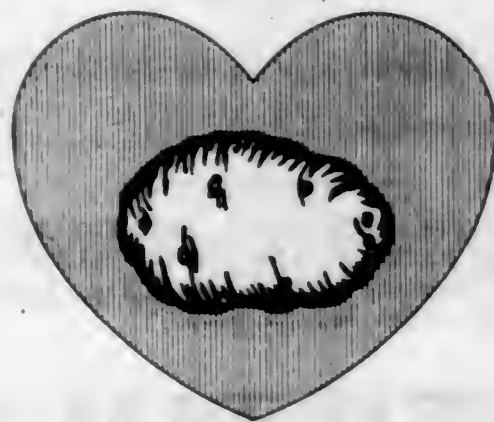
Particular description of goods.—Ammonia.
Claims use since 1892.

Ser. No. 201,817. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. R. McDONALD, doing business as Columbia Laboratories, San Francisco, Calif. Filed Aug. 23, 1924.

Pepsomint

Particular description of goods.—Tablets and Liquids for the Treatment of Gastritis, Heartburn, Nerves of the Heart, Stomach, Liver, Kidneys, and Bowels.
Claims use since Feb. 18, 1924.

Ser. No. 201,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. H. BURRILL, Hawley, Minn. Filed Aug. 25, 1924.



No claim is made to the pictorial representation of a potato shown on the drawing apart from the other features of the mark.

Particular description of goods.—Potatoes in Their Natural State.
Claims use since Jan. 10, 1924.

Ser. No. 201,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WEIDEMAN COMPANY, INC., Cleveland, Ohio. Filed Aug. 25, 1924.

**WEIDEMAN
BOY BRAND**

No claim is made to the word "Brand" apart from the mark as shown.

Particular description of goods.—Canned Fruits, Canned Vegetables, Coffee, Tea, Table Syrup, Candles, Pickles, Fruits, Preserves, Jellies, and Breakfast Cocoa.
Claims use since Feb. 20, 1905.

Ser. No. 201,801. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Aug. 26, 1924.

*Our
Recommendation*

Particular description of goods.—Ginger Ale and Carbonated Waters.
Claims use since July 25, 1924.

Ser. No. 201,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed Aug. 26, 1924.

*Our
Recommendation*

Particular description of goods.—Canned Fish, Canned Fruits, Canned Vegetables, Canned Meats, Beef a la Mode, and Chicken a la King (Canned).
Claims use since July 25, 1924.

Ser. No. 201,929. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GULBENKIAN SEAMLESS RUG COMPANY, New Brunswick, N. J. Filed Aug. 27, 1924.

ORIENTA

Particular description of goods.—Textile Rugs.
Claims use since Aug. 13, 1924.

Ser. No. 201,944. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BEATTIE MANUFACTURING COMPANY, Little Falls, N. J. Filed Aug. 28, 1924.

REXTANA

Trade-mark consists of the word "Rextana."
Particular description of goods.—Textile Rugs.
Claims use since Aug. 14, 1924.

Ser. No. 201,946. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BREINIG BROTHERS, INC., Hoboken, N. J. Filed Aug. 28, 1924.

Duo-Var

Particular description of goods.—Varnish.
Claims use since about July 12, 1924.

Ser. No. 201,974. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANGE CRUSH CO., Chicago, Ill. Filed Aug. 28, 1924.

NARANJA-CRUSH

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages and Compounds and Concentrates for Producing the Same.
Claims use since July 1, 1921.

Ser. No. 201,975. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANGE CRUSH CO., Chicago, Ill. Filed Aug. 28, 1924.

LIMÓN-CRUSH

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages and Compounds and Concentrates for Producing the Same.
Claims use since July 1, 1921.

Ser. No. 201,979. (CLASS 2. RECEPTACLES.) FREDERICK A. PURCHAS, doing business as Central Paper Box Co., McGraw, N. Y. Filed Aug. 28, 1924.

**Mione
TREASURE CHEST**

Drawing of trade-mark consists of the words "Mione Treasure Chest."

Particular description of goods.—Candy and Bonbon Boxes.
Claims use since June 20, 1924.

Ser. No. 201,985. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER SISCO COMPANY, Chicago, Ill. Filed Aug. 28, 1924.

TOM BOY

Particular description of goods.—Candy.
Claims use since Apr. 4, 1924.

Ser. No. 202,016. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HOLLYWOOD RECORD COMPANY, Los Angeles, Calif. Filed Aug. 29, 1924.

HOLLYWOOD

Particular description of goods.—Phonograph Records, Phonographs, and Phonograph Needles.
Claims use since Aug. 1, 1923.

Ser. No. 202,040. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LOUIS G. STRNAD, Chicago, Ill. Filed Aug. 29, 1924.



No claim is made to the words "Trade-Mark, Manufactured and Sold By, 1714 W. 17th St., Chicago, Ill., U. S. A." apart from the mark shown in the drawing.

Particular description of goods.—Toothbrush and Tooth-Paste Holder and Curtain Rod Brackets.
Claims use since Aug. 12, 1923.

Ser. No. 202,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEESMEYER WAGGONER INC., Los Angeles, Calif. Filed Aug. 30, 1924.

CHAIN

Particular description of goods.—Canned Fish—Namely, Canned Sardines.
Claims use since July 1, 1924.

Ser. No. 202,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BROOKLYN ALCOHOL CORPORATION, Brooklyn, N. Y. Filed Aug. 30, 1924.



Without waiver of common-law rights no claim is made to the exclusive use of the word "Spirits" apart from the mark shown in the drawing.

Particular description of goods.—Denatured Alcohol.
Claims use since about October, 1922.

Ser. No. 202,057. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Aug. 30, 1924.

Jermyna

Particular description of goods.—Woolen Piece Goods.
Claims use since July 1, 1924.

Ser. No. 202,081. (CLASS 12. CONSTRUCTION MATERIALS.) JACKSON RIDGE, doing business as California Mission Stucco Co., Los Angeles, Calif. Filed Aug. 30, 1924.



Particular description of goods.—Stucco Finishes Consisting of Portland Cement and Aggregate Mixed with Color Pigment and of Keen Cement Mixed with Color Pigment.

Claims use since June 18, 1924.

Ser. No. 202,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WHEAT MEAL COMPANY, Amenia, N. Dak. Filed Aug. 30, 1924.



No claim is made to the term "Wheatmeal" apart from the mark as shown in the drawing.

Particular description of goods.—Wheat Meal.
Claims use since December, 1922.

Ser. No. 202,105. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FLASHLITE AUTO PAINT CO., Winnfield, La. Filed Sept. 2, 1924.

FLASHLITE

Particular description of goods.—Paint for Automobiles.

Claims use since Apr. 15, 1924.

Ser. No. 202,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Sept. 2, 1924.

RASPBERRIES

Particular description of goods.—Candy.
Claims use since about December, 1889.

Ser. No. 202,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Sept. 2, 1924.

PIGS IS PIGS

Particular description of goods.—Candy.
Claims use since about December, 1894.

Ser. No. 202,115. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOFFMAN & HAUCK, INC., Woodhaven, N. Y. Filed Sept. 2, 1924.

HONEYSMAX

Particular description of goods.—Candy.
Claims use since April, 1924.

Ser. No. 202,118. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed Sept. 2, 1924.

Shreeboggan

Particular description of goods.—Vehicles Somewhat Similar to Sleds or Toboggans.
Claims use since June 28, 1924.

Ser. No. 202,158. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ATLANTIC RUBBER MANUFACTURING CORPORATION, New York, N. Y. Filed Sept. 3, 1924. Under ten-year proviso.

TRAUN'S

Particular description of goods.—Dental Rubber.
Claims use since Aug. 1, 1893.

Ser. No. 202,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEANE'S COFFEE SHOPPE, INC., Pittsburgh, Pa. Filed Sept. 3, 1924.



No claim is made to the words "Corn Beef Sandwich" as shown in drawing apart from the mark.

Particular description of goods.—Corn-Beef Sandwich.
Claims use since June 15, 1924.

Ser. No. 202,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS KIENTZ, San Anselmo, Calif. Filed Sept. 3, 1924.

**MARIN
MAID**

Particular description of goods.—Bread.
Claims use since Jan. 25, 1924.

Ser. No. 202,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREEN BROS. COMPANY, Springfield, Mass. Filed Sept. 4, 1924.

TELEGRAM

Particular description of goods.—Candy.
Claims use since 1916.

Ser. No. 202,229. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO., Saco, Me., and Boston, Mass. Filed Sept. 4, 1924.



The trade-mark consists of a circular device containing four "Y's" and "C" and "O." The background is in terra cotta. The four "Y's" are in white, and the "C" and "O" are in black, as indicated on the drawing, upon which the trade-mark is shown.

Particular description of goods.—Cotton Piece Goods.
Claims use since 1920.

Ser. No. 202,237. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN CO., INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed Sept. 5, 1924.

RIDEAU PONTALBA

Particular description of goods.—Cotton Draperies.
Claims use since Aug. 21, 1924.

Ser. No. 202,261. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ORIENTAL SILK PRINTING COMPANY, Haledon, N. J. Filed Sept. 5, 1924.



Exclusive use of the word "Prints" being disclaimed apart from the mark shown.

Particular description of goods.—Piece Goods of Silk, Artificial Silk, Cotton, Wool, and Mixtures Thereof.
Claims use since June 30, 1924.

Ser. No. 202,271. (CLASS 15. OILS AND GREASES.) WOFFORD OIL COMPANY, Birmingham, Ala. Filed Sept. 5, 1924.

Kleenite

Particular description of goods.—Kerosene Oil.
Claims use since Aug. 22, 1924.

Ser. No. 202,284. (CLASS 33. GLASSWARE.) CORNING GLASS WORKS, Corning, N. Y. Filed Sept. 6, 1924.

PYREXETTE

Particular description of goods.—Sets of Miniature Glass Dishes.
Claims use since Apr. 17, 1924.

Ser. No. 202,285. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORNING GLASS WORKS, Corning, N. Y. Filed Sept. 6, 1924.

PYREXETTE

Particular description of goods.—Sets of Miniature Dishes.
Claims use since Apr. 17, 1924.

Ser. No. 202,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY L. DITZLER, Huntington, Ind. Filed Sept. 6, 1924.



Particular description of goods.—Eggs.
Claims use since Mar. 1, 1914.

Ser. No. 202,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NELSON J. HOLMES, Manchester, Ohio. Filed Sept. 6, 1924.



MORNING STAR

Particular description of goods.—Wheat Flour.
Claims use since Aug. 1, 1923.

Ser. No. 202,346. (CLASS 39. CLOTHING.) LARNED, CARTER & COMPANY, Detroit, Mich. Filed Sept. 8, 1924.

SAVE-ALLS

Particular description of goods.—One-Piece Overalls.
Claims use since July, 1924.

Ser. No. 202,351. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MORRIS RUN COAL MINING COMPANY, Wilkes-Barre, Pa. Filed Sept. 8, 1924.



No exclusive right is claimed in the words "Genuine Bloss Smithing."

Particular description of goods.—Coal.
Claims use since 1835.

Ser. No. 202,368. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ACME PRODUCTS COMPANY, New Orleans, La. Filed Sept. 9, 1924.



No rights are asserted to the exclusive use of the words "Quality" and "Service" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Turpentine.
Claims use since July 10, 1924.

Ser. No. 202,375. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Filed Sept. 9, 1924. Under ten-year proviso.

CLYDE IRON

Particular description of goods.—Rolled Iron and Steel.
Claims use since Apr. 1, 1892.

Ser. No. 202,376. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Filed Sept. 9, 1924. Under ten-year proviso.

SOHO IRON

Particular description of goods.—Rolled Iron and Steel.
Claims use since Apr. 1, 1892.

Ser. No. 202,377. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Filed Sept. 9, 1924. Under ten-year proviso.

UNITED STATES IRON

Particular description of goods.—Rolled Iron and Steel.
Claims use since Apr. 1, 1892.

Ser. No. 202,378. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Filed Sept. 9, 1924. Under ten-year proviso.

WAYNE IRON

Particular description of goods.—Rolled Iron and Steel.
Claims use since Apr. 1, 1892.

Ser. No. 202,392. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. GLENEY'S SONS CO., INC., New York, N. Y. Filed Sept. 9, 1924.



Particular description of goods.—Hair Nets.
Claims use since June 9, 1922.

Ser. No. 202,414. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NADAY & FLEISCHER, INC., New York, N. Y. Filed Sept. 9, 1924.

Riviera Prints

Trade-mark consists of the words "Riviera Prints." No claim is made to the exclusive use of the word "Prints" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the exclusive use of this feature as an essential of the complete mark.

Particular description of goods.—Silk Piece Goods.
Claims use since Aug. 22, 1924.

Ser. No. 202,415. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NANYANG BROTHERS, INC., New York, N. Y. Filed Sept. 9, 1924.

Sparronet

Particular description of goods.—Hair Nets.
Claims use since Apr. 2, 1924.

Ser. No. 202,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE MILLING COMPANY, Huntingburg, Ind. Filed Sept. 9, 1924.

White Way

Particular description of goods.—Wheat Flour.
Claims use since May 1, 1924.

Ser. No. 202,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH T. ASBURY, doing business as Rochester Medical and Drug Company, Rochester, Minn. Filed Sept. 10, 1924.



Particular description of goods.—Laxative Tablets, Ointment for Rheumatic Pains, Arthritis, Neuritis, Sciatica, Lumbago, Strains or Sprains, and an Internal Preparation for Rheumatic Infections of the Joints, Nerves, and Muscles.

Claims use since June 15, 1924.

Ser. No. 202,458. (CLASS 37. PAPER AND STATIONERY.) PAPER SERVICE CO. INC., Hinsdale, N. H. Filed Sept. 10, 1924.



Particular description of goods.—Toilet Paper.
Claims use since July 18, 1921.

Ser. No. 202,462. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROUBAIX MILLS, INC., New York, N. Y., and Clinton, Mass. Filed Sept. 10, 1924.

Kashona

Particular description of goods.—Piece Goods Made of Wool.
Claims use since June 11, 1924.

Ser. No. 202,463. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROUBAIX MILLS, INC., New York, N. Y., and Clinton, Mass. Filed Sept. 10, 1924.

Regaldown

Particular description of goods.—Piece Goods Made of Wool.
Claims use since Aug. 1, 1924.

Ser. No. 202,473. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WESTERN LABORATORIES, Yakima, Wash. Filed Sept. 10, 1924.



YAKIMA, WASHINGTON

No claim is made to the phrase "Bacillus Acidophilus Milk" and "Yakima, Washington" apart from the other features of the mark and without waiving any common-law rights to these phrases.

Particular description of goods.—Bacillus Acidophilus Culture in Milk.
Claims use since June, 1924.

Ser. No. 202,493. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FAEER PENCIL COMPANY, Brooklyn, N. Y. Filed Sept. 11, 1924.

EMPRESS

Particular description of goods.—Pencils, Penholders, and Rubber Composition Erasers.
Claims use since May, 1909.

Ser. No. 202,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. HAUSWALDT, INC., New York, N. Y. Filed Sept. 11, 1924.

HAUSWALDT'S

VIGOR SWEET CHOCOLATE.



No claim is made to the words "Sweet Chocolate" apart from the mark shown.
Particular description of goods.—Bar Chocolate.
Claims use since July, 1922.

Ser. No. 202,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Sept. 11, 1924.

LIFTON



Particular description of goods.—Canned Lima Beans.
Claims use since 1901.

Ser. No. 202,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. SANBORN & SONS, Astoria, Oreg. Filed Sept. 11, 1924.

TWIN-ALL



Particular description of goods.—Canned Salmon.
Claims use since June 20, 1912.

Ser. No. 202,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAYLOR-GARNER CO., Atlanta, Ga. Filed Sept. 11, 1924.

STONE MOUNTAIN

Particular description of goods.—Table Syrup, Vinegar, and Honey.
Claims use since Mar. 1, 1924.

Ser. No. 202,548. (CLASS 30. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., and Wilmington, Del. Filed Sept. 12, 1924.



Particular description of goods.—Phonograph Records.
Claims use since June 1, 1924.

Ser. No. 202,559. (CLASS 37. PAPER AND STATIONERY.) LIBRARY BUREAU, Cambridge, Mass. Filed Sept. 12, 1924.



Particular description of goods.—Index Cards, Printed and Partially-Printed Forms, Record Cards, Guide Cards, and Containers for Such Cards and Forms, Card Ledgers and Cards and Guides Therefor and Folders and Fasteners Therefor, Label Strips, Requisition Strips, and Punches for Cards and Guides.
Claims use since 1898.

Ser. No. 202,571. (CLASS 2. RECEPTACLES.) HENRY H. WESTINGHOUSE, New York, N. Y. Filed Sept. 12, 1924.

Vegebox

Particular description of goods.—Metal Boxes Employed as Fruit and Vegetable Receptacles.
Claims use since July 16, 1924.

Ser. No. 202,602. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 13, 1924.

STETHOPHONE

Particular description of goods.—Multiple Electrical Stethoscope.
Claims use since May 9, 1924.

Ser. No. 202,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. J. BRANDENSTEIN & CO., San Francisco, Calif. Filed Sept. 15, 1924.

Jr

Particular description of goods.—Coffee.
Claims use since June 17, 1924.

Ser. No. 202,621. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THOMAS R. FINUCAN, doing business as Standard Malt Extract Co., Norwood, Ohio. Filed Sept. 15, 1924.

Freundschaft

Particular description of goods.—Malt Extract for Beverage Purposes.
Claims use since June 27, 1924.

Ser. No. 202,636. (CLASS 37. PAPER AND STATIONERY.) THE PARKER PEN CO., Janesville, Wis. Filed Sept. 15, 1924.



No claim is made to the exclusive use of the representation of a fountain pen apart from the mark as shown in the drawing, without, however, waiving common-law rights to the exclusive use of the red body portion and the black end portions to identify any style or shape of pen. Trade-mark consists of a fountain pen having a red body portion and black end portions.

Particular description of goods.—Fountain Pen.
Claims use since Aug. 25, 1921.

Ser. No. 202,642. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SMITH MOTOR EQUIPMENT COMPANY, Cleveland, Ohio. Filed Sept. 15, 1924.

VacuLarm

Particular description of goods.—Instrument for indicating the Performance of the Fuel-Feeding Systems of Motor Vehicles.

Claims use since about June 28, 1924.

Ser. No. 202,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED CAPE COD CRANBERRY COMPANY, Boston and South Hanson, Mass. Filed Sept. 15, 1924.

PRIDE OF CAPE COD

Trade-mark "Pride of Cape Cod."
Particular description of goods.—Canned Cranberries.
Claims use since Jan. 1, 1924.

Ser. No. 202,647. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNITED FUEL & SUPPLY COMPANY, Detroit, Mich. Filed Sept. 15, 1924.

HOT-GLO

Particular description of goods.—Charcoal.
Claims use since Aug. 11, 1924.

Ser. No. 202,672. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MID-WEST RESEARCH LABORATORY, Sioux City, Iowa. Filed Sept. 16, 1924.



Particular description of goods.—Tonic for Horses and Anti-Hog-Cholera Serum, Medicinal Preparation Used for the Treatment of Acute Indigestion, Bloat, Spasmodic Colic, and for the Relief of Pain in Horses, Dry Insecticide for Cattle, Hogs, Horses, Poultry, and Their Abodes.

Claims use since Feb. 1, 1924.

Ser. No. 202,686. (CLASS 10. FERTILIZERS.) AGRICULTURAL SUPPLY CORPORATION, Richmond, Va. Filed Sept. 17, 1924.

CO-OP

Particular description of goods.—Fertilizers and Agricultural Lime.

Claims use since August, 1923.

Ser. No. 202,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed Sept. 17, 1924.



IRONMEN

Particular description of goods.—Chocolate-Covered Raisins.
Claims use since Sept. 8, 1924.

Ser. No. 202,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAYLOR BROS. & CO., INC., Norfolk, Va. Filed Sept. 17, 1924.



No claim is made to the word "Salt" appearing on the drawing.

Particular description of goods.—Salt.

Claims use since June, 1924.

Ser. No. 202,764. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD G. WHITMAN, doing business as E. G. Whitman & Co., Philadelphia, Pa. Filed Sept. 18, 1924.

"Whitco"

Particular description of goods.—Candy.
Claims use since January, 1924.

Ser. No. 202,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BONITA CO., Fond du Lac, Wis. Filed Sept. 20, 1924.

HELL'N MARIA

Particular description of goods.—Candy.
Claims use since Aug. 27, 1924.

328 O. G.—4

Ser. No. 202,796. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DALLES CORPORATION GROWERS, The Dalles, Oreg. Filed Sept. 20, 1924.



Particular description of goods.—Fresh Fruits and Vegetables—to wit, Apricots, Apples, Cherries, Peaches, Pears, Prunes, Grapes, Plums, Asparagus, Beans, Cantaloupes, Cucumbers, Eggplant.

Claims use as applied to apricots since July, 1924; as applied to apples since Sept. 4, 1924; as applied to cherries since June 10, 1924; as applied to peaches since Aug. 5, 1924; as applied to pears since Aug. 15, 1924; as applied to prunes since Aug. 25, 1924; as applied to grapes since Sept. 2, 1924; as applied to plums since Aug. 9, 1924; as applied to asparagus since Apr. 7, 1924; as applied to beans since June 15, 1924; as applied to cantaloupes since Aug. 5, 1924; as applied to cucumbers since June 20, 1924; as applied to eggplant since July 19, 1924; as applied to peas since May 12, 1924; as applied to peppers since June 25, 1924; as applied to potatoes since June 10, 1924; as applied to rhubarb since Apr. 15, 1924; as applied to tomatoes since June 28, 1924.

Ser. No. 202,799. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Sept. 20, 1924.

DIOMATIC

Particular description of goods.—Photographic Shutters.

Claims use since June 25, 1924.

Ser. No. 202,829. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TIFFIN INC., New York, N. Y. Filed Sept. 20, 1924.

PAGE BOY

Particular description of goods.—Candles.
Claims use since May 1, 1924.

Ser. No. 202,853. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CASTLE RUBBER COMPANY, East Palestine, Ohio. Filed Sept. 22, 1924.

CA-SEL-CO

Particular description of goods.—Rubber Goods.
Claims use since July 17, 1923.

Ser. No. 202,902. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE STANLEY MANUFACTURING COMPANY, Dayton, Ohio. Filed Sept. 22, 1924.

MEL-O-ART

Particular description of goods.—Metal Labels and Seals.

Claims use since Sept. 10, 1924.

Ser. No. 202,916. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Minneapolis, Minn. Filed Sept. 22, 1924.

MONONG

Particular description of goods.—Coal.

Claims use since March, 1923.

Ser. No. 203,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PITMAN-MOORE COMPANY, Indianapolis, Ind. Filed Sept. 24, 1924.

OXIPHEN

Trade-mark "Oxiphen."

Particular description of goods.—Laxative Tablets.

Claims use since Feb. 1, 1924.

Ser. No. 203,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LLOYD BROTHERS, PHARMACISTS INC., Cincinnati, Ohio. Filed Sept. 25, 1924.

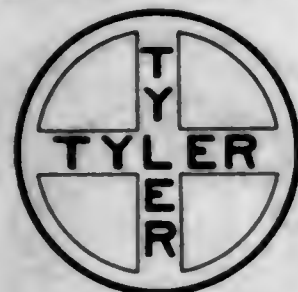
ASEPTAFOLTA

Particular description of goods.—Antiseptic and Deodorant for Internal and External Use.

Claims use since May 20, 1922.

Ser. No. 203,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TYLER CHEMICAL CO., INC., Pawtucket, R. I. Filed Sept. 25, 1924.

TYLER'S



AIR-KLENS

Particular description of goods.—Compound for Cleaning, Purifying, and Medicating the Air of a Room.

Claims use since Nov. 24, 1923.

Ser. No. 203,072. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CAPITAL PAPER COMPANY, doing business as The Hold-Tite Tire and Rubber Company, Indianapolis, Ind. Filed Sept. 26, 1924.

HOLD-TITE

Particular description of goods.—Pneumatic-Tire Casings.

Claims use since June 1, 1923.

Ser. No. 203,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE O. P. SCHRIEVER COMPANY, Cincinnati, Ohio. Filed Oct. 2, 1924.

XL

Particular description of goods.—Chain Buckets for Pumps.

Claims use since December, 1894.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 4, 1924.

191,115. MILK CANS. SOLAR-STURGES MFG. CO., Chicago, Ill.

Filed April 18, 1924. Serial No. 195,779. PUBLISHED AUGUST 5, 1924.

191,116. MILK CANS. SOLAR-STURGES MFG. CO., Chicago, Ill.

Filed April 18, 1924. Serial No. 195,780. PUBLISHED AUGUST 5, 1924.

191,117. THREADS OF SILK, COTTON, AND WOOL. THE CORTICELLI SILK COMPANY, Florence, Mass.

Filed April 22, 1924. Serial No. 195,949. PUBLISHED AUGUST 5, 1924.

191,118. HANDKERCHIEFS. YORK STREET FLAX SPINNING CO., INC., New York, N. Y.

Filed April 22, 1924. Serial No. 195,997. PUBLISHED JULY 22, 1924.

191,119. COSMETIC CONTAINERS. ELGIN AMERICAN MANUFACTURING CO., Elgin, Ill.

Filed April 23, 1924. Serial No. 196,010. PUBLISHED JULY 22, 1924.

191,120. COTTON PIECE GOODS. YORK MFG. CO., Saco, Me., and Boston, Mass.

Filed April 24, 1924. Serial No. 196,091. PUBLISHED JUNE 24, 1924.

191,121. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.

Filed April 29, 1924. Serial No. 196,303. PUBLISHED AUGUST 19, 1924.

191,122. CONTAINERS FOR FOOD PRODUCTS OR IN WHICH FOOD IS SERVED OR IS MOLDED TO A DESIRED SHAPE. NOVELTY PRODUCTS, INC., Chicago, Ill.

Filed May 3, 1924. Serial No. 196,542. PUBLISHED JULY 8, 1924.

191,123. SPECTACLE CASES. BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y.

Filed May 6, 1924. Serial No. 196,645. PUBLISHED JULY 8, 1924.

191,124. PORCH BOXES, WASH AND DRAIN TUBS, MILK-BOTTLE CRATES AND HOLDERS, AND WASTE CONTAINERS. THE MURRAY PRODUCTS COMPANY, Detroit, Mich.

Filed May 17, 1924. Serial No. 197,211. PUBLISHED JULY 8, 1924.

191,125. COTTON PIECE GOODS. KELSEY TEXTILE CORPORATION, New York, N. Y.

Filed May 19, 1924. Serial No. 197,280. PUBLISHED AUGUST 19, 1924.

191,126. CERTAIN FOOD PRODUCTS. JULIUS WILE SONS & CO., New York, N. Y.

Filed May 23, 1924. Serial No. 197,524. PUBLISHED AUGUST 19, 1924.

191,127. MOTHPROOF BAGS. ABRAHAM & STRAUS, Inc., New York, N. Y.

Filed May 24, 1924. Serial No. 197,525. PUBLISHED JULY 22, 1924.

191,128. PAPER CANS. UNION PAPER COMPANY, New York, N. Y.

Filed May 24, 1924. Serial No. 197,568. PUBLISHED JULY 22, 1924.

191,129. SEMIPASTE PAINT. WEST COAST KALSO-MINE COMPANY, Berkeley, Calif.

Filed May 26, 1924. Serial No. 197,644. PUBLISHED AUGUST 19, 1924.

191,130. TURKISH TOWELS. H. W. BAKER LINEN COMPANY, New York, N. Y.

Filed May 29, 1924. Serial No. 197,796. PUBLISHED JULY 29, 1924.

191,131. VACUUM BOTTLES. GEORGE BORGFELDT & Co., New York, N. Y.

Filed June 4, 1924. Serial No. 198,053. PUBLISHED JULY 22, 1924.

191,132. STORAGE TANKS. CHICAGO BRIDGE & IRON WORKS, Chicago, Ill.

Filed June 5, 1924. Serial No. 198,114. PUBLISHED JULY 22, 1924.

191,133. COTTON-PICKER SACKS. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex.

Filed June 5, 1924. Serial No. 198,123. PUBLISHED JULY 22, 1924.

191,134. GLASS CASTER CUPS. THE W. T. HIGHT CO., Boston, Mass.

Filed June 7, 1924. Serial No. 198,236. PUBLISHED AUGUST 19, 1924.

191,135. THREADS AND YARNS. MUTUAL THREAD COMPANY, New York, N. Y.

Filed July 3, 1924. Serial No. 199,564. PUBLISHED AUGUST 12, 1924.

191,136. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.

Filed June 27, 1924. Serial No. 199,209. PUBLISHED AUGUST 12, 1924.

191,137. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.

Filed June 26, 1924. Serial No. 199,146. PUBLISHED AUGUST 19, 1924.

191,138. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.

Filed June 26, 1924. Serial No. 199,145. PUBLISHED AUGUST 12, 1924.

191,139. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSO., (U. S. A.), Bradford, R. I.

Filed June 26, 1924. Serial No. 199,144. PUBLISHED AUGUST 19, 1924.

191,140. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.

Filed June 26, 1924. Serial No. 199,143. PUBLISHED AUGUST 19, 1924.

191,141. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.

Filed June 26, 1924. Serial No. 199,142. PUBLISHED AUGUST 12, 1924.

191,142. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. Inc., New York, N. Y.

Filed June 25, 1924. Serial No. 199,106. PUBLISHED AUGUST 12, 1924.

191,143. WOOLEN PIECE GOODS. BILHUBER-WAWAK COMPANY, Chicago, Ill.

Filed June 24, 1924. Serial No. 199,034. PUBLISHED AUGUST 12, 1924.

- 191,144. SMOKING PIPES. M. LINKMAN & Co., Chicago, Ill.
Filed June 23, 1924. Serial No. 198,010. PUBLISHED AUGUST 19, 1924.
- 191,145. WATERPROOF FLOOR-COVERING MATERIALS. FELTCRAFT COMPANY, INC., Paulsboro, N. J.
Filed June 20, 1924. Serial No. 198,852. PUBLISHED AUGUST 5, 1924.
- 191,146. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed June 17, 1924. Serial No. 198,709. PUBLISHED AUGUST 5, 1924.
- 191,147. CIGARS. THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa.
Filed June 19, 1924. Serial No. 198,814. PUBLISHED AUGUST 26, 1924.
- 191,148. CIGARS. THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa.
Filed June 19, 1924. Serial No. 198,813. PUBLISHED AUGUST 26, 1924.
- 191,149. SILK GOODS IN THE PIECE. RUSSELL & FELLMAN, New York, N. Y.
Filed June 16, 1924. Serial No. 198,682. PUBLISHED AUGUST 19, 1924.
- 191,150. CONFECTIONERY BOXES. SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS ROUZARD "A LA MARQUISE DE SÉVIGNÉ" CHOCOLAT DE ROYAT, Royat-les-Bains, France.
Filed June 14, 1924. Serial No. 198,590. PUBLISHED AUGUST 12, 1924.
- 191,151. PAPER BAGS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed June 13, 1924. Serial No. 198,550. PUBLISHED AUGUST 12, 1924.
- 191,152. AUTOMATIC REFRIGERATION APPARATUS. IRVING L. KEITH, Haverhill, Mass.
Filed June 9, 1924. Serial No. 198,310. PUBLISHED AUGUST 12, 1924.
- 191,153. MALTLESS FLAVORING EXTRACTS, CONCENTRATES, SIRUPS. THEODORE GRUNBAUM, Philadelphia, Pa.
Filed May 16, 1924. Serial No. 197,146. PUBLISHED AUGUST 26, 1924.
- 191,154. COTTON SHEETING, BLEACHED AND UNBLEACHED. THE FARISH COMPANY, Greenwich, Conn., and New York, N. Y.
Filed May 17, 1924. Serial No. 197,197. PUBLISHED AUGUST 5, 1924.
- 191,155. HAIR NETS. WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa.
Filed May 21, 1924. Serial No. 197,403. PUBLISHED JULY 29, 1924.
- 191,156. LACES AND EMBROIDERIES SOLD IN THE PIECE. WALTER SENNHAUSER, doing business as Middlesex Lace and Embroidery Works, South River, N. J.
Filed May 26, 1924. Serial No. 197,624. PUBLISHED AUGUST 5, 1924.
- 191,157. CERTAIN KNITTED GOODS. SCHREIBER, BRANTMAN & WYNER, INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,781. PUBLISHED AUGUST 5, 1924.
- 191,158. HAIR NETS. THE BONNIE-B CO., INC., New York, N. Y.
Filed May 29, 1924. Serial No. 197,798. PUBLISHED JULY 29, 1924.
- 191,159. PIECE GOODS MADE WHOLLY OR IN PART OF CLOTH AND COMPOSITION, WHICH PIECE GOODS ARE USED FOR UPHOLSTERING MOTOR CARS AND OTHER PURPOSES FOR WHICH ARTIFICIAL LEATHER IS ORDINARILY USED. J. C. HAARTZ COMPANY, Boston, Mass.
Filed May 31, 1924. Serial No. 197,879. PUBLISHED AUGUST 19, 1924.
- 191,160. TEXTILE FABRICS—NAMESLY, CRÊPE OF COTTON AND SILK. NATHAN & COHEN CO., INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,082. PUBLISHED AUGUST 19, 1924.
- 191,161. ARTIFICIAL SILK AND COTTON BEDSPREADS. THE STEVENS MANUFACTURING COMPANY, Fall River, Mass.
Filed June 9, 1924. Serial No. 198,332. PUBLISHED AUGUST 5, 1924.
- 191,162. CERTAIN NAMED PIECE GOODS. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed June 11, 1924. Serial No. 198,416. PUBLISHED AUGUST 5, 1924.
- 191,163. CERTAIN NAMED PIECE GOODS. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed June 11, 1924. Serial No. 198,417. PUBLISHED AUGUST 5, 1924.
- 191,164. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed June 13, 1924. Serial No. 198,521. PUBLISHED AUGUST 5, 1924.
- 191,165. KNITTED SILK FABRICS—VIZ, SILK KNITTED CLOTH IN THE BOLT. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed June 14, 1924. Serial No. 198,554. PUBLISHED AUGUST 5, 1924.
- 191,166. WOOLEN PIECE GOODS. MADISON WOOLEN CO., Madison, Me.
Filed June 14, 1924. Serial No. 198,577. PUBLISHED AUGUST 5, 1924.
- 191,167. POWDER PUFFS. MAURICE LEVY, New York, N. Y.
Filed June 16, 1924. Serial No. 198,649. PUBLISHED AUGUST 26, 1924.
- 191,168. REFRIGERATORS. THE MODERN REFRIGERATOR COMPANY, Peru, Ind.
Filed June 16, 1924. Serial No. 198,663. PUBLISHED AUGUST 12, 1924.
- 191,169. BRANDY. FREDERICK CULMAN, doing business as Frederick Culman Co., New York, N. Y.
Filed June 18, 1924. Serial No. 198,733. PUBLISHED AUGUST 26, 1924.
- 191,170. CERTAIN NAMED PIECE GOODS. H. JACOB & SONS, INC., doing business as Marvle Mills, New York, N. Y.
Filed June 18, 1924. Serial No. 198,748. PUBLISHED AUGUST 19, 1924.
- 191,171. CERTAIN TEXTILE GOODS IN A PIECE. HERBERT B. LEDERER CORP., New York, N. Y.
Filed June 18, 1924. Serial No. 198,751. PUBLISHED AUGUST 19, 1924.
- 191,172. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed June 20, 1924. Serial No. 198,849. PUBLISHED AUGUST 12, 1924.
- 191,173. STORAGE RECEPTACLES FOR OILS. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed April 16, 1924. Serial No. 195,661. PUBLISHED JULY 8, 1924.
- 191,174. HANDKERCHIEFS. HENRY H. LEON CO., New York, N. Y.
Filed April 15, 1924. Serial No. 195,582. PUBLISHED AUGUST 19, 1924.
- 191,175. SILK PIECE GOODS. B. EDMUND DAVID, INC., New York, N. Y.
Filed April 14, 1924. Serial No. 195,500. PUBLISHED AUGUST 29, 1924.
- 191,176. PRINTED TERRY CLOTH IN THE PIECE. COHN HALL MARX CO., New York, N. Y.
Filed April 14, 1924. Serial No. 195,494. PUBLISHED AUGUST 5, 1924.

- 191,177. HAND PLANTERS IN THE NATURE OF A CONTAINER FOR SEEDS. THE BARTELDES SEED COMPANY, Lawrence, Kans.
Filed April 14, 1924. Serial No. 195,477. PUBLISHED AUGUST 12, 1924.
- 191,178. TABLE LINEN, LINEN TOWELS, AND TOWELING. JAMES A. HEARN & SON INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,289. PUBLISHED AUGUST 12, 1924.
- 191,179. HANDKERCHIEFS. THE ACHESON HARDEN CO., New York, N. Y.
Filed April 8, 1924. Serial No. 195,148. PUBLISHED AUGUST 5, 1924.
- 191,180. HANDKERCHIEFS. E. HELLER & BROTHER, INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,709. PUBLISHED AUGUST 5, 1924.
- 191,181. HANDKERCHIEFS. E. HELLER & BROTHER, INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,708. PUBLISHED AUGUST 5, 1924.
- 191,182. CUT AND ENGRAVED GLASSWARE. WM. URBACH, doing business as Clover Leaf Cut Glass Co., Chicago, Ill.
Filed March 7, 1924. Serial No. 193,431. PUBLISHED JULY 29, 1924.
- 191,183. SILK, COTTON AND SILK, AND COTTON PIECE GOODS. FRIED, MENDELSON & CO., New York, N. Y.
Filed January 21, 1924. Serial No. 191,067. PUBLISHED JUNE 3, 1924.
- 191,184. SILK, IMITATION SILK, PONGEE, AND SEA-ISLAND COTTON IN THE PIECE. ALTMAN FELLERMAN SILK COMPANY, INC., New York, N. Y.
Filed December 5, 1923. Serial No. 189,227. PUBLISHED AUGUST 19, 1924.
- 191,185. MALT SIRUP. BLATZ PRODUCTS COMPANY, Milwaukee, Wis.
Filed November 22, 1923. Serial No. 188,656. PUBLISHED AUGUST 26, 1924.
- 191,186. CIGARS. NATIONAL GROCER COMPANY, Detroit, Mich.
Filed November 16, 1923. Serial No. 188,423. PUBLISHED AUGUST 26, 1924.
- 191,187. COTTON-SATEEN PIECE GOODS. VOSS & STEIN, New York, N. Y.
Filed September 8, 1923. Serial No. 185,544. PUBLISHED JULY 1, 1924.
- 191,188. FABRIC BAGS. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed August 16, 1923. Serial No. 184,546. PUBLISHED JULY 8, 1924.
- 191,189. WEARING APPAREL—NAMESLY, TROUSERS. DAVID MAIMAN, doing business as D. Maiman Mfg. Co. (Not Inc.), Chicago, Ill.
Filed January 5, 1923. Serial No. 174,210. PUBLISHED AUGUST 12, 1924.
- 191,190. FRESH AND PRESERVED FRUITS AND VEGETABLES, PARTICULARLY GRAPES, PEACHES, PLUMS, CHERRIES, MELONS, ASPARAGUS, ARTICHOKE, AND ONIONS. BENEGAS HNOS. Y CIA., LTDA. SOC. ANON. INDUSTRIAL Y COMERCIAL, Buenos Aires, Argentina.
Filed October 6, 1922. Serial No. 170,363. PUBLISHED JUNE 10, 1924.
- 191,191. PATTERNED COTTON GINGHAMS IN THE PIECE. GEORGE SELLAR, Glasgow, Scotland.
Filed October 10, 1921. Serial No. 153,960. PUBLISHED AUGUST 19, 1924.
- 191,192. INK CONTAINERS FOR CARTRIDGE FOUNTAIN PENS EITHER SEALED OR OTHERWISE. ROBERT THOMAS POLLOCK, Boston, Mass., assignor to Pollock Pen Company, Boston, Mass., a Corporation of Delaware.
Filed April 29, 1922. Serial No. 163,106. PUBLISHED JUNE 17, 1924.
- 191,193. POULTRY FEED. QUISENBERRY FEED MFG. CO., Kansas City, Mo.
Filed June 1, 1922. Serial No. 164,773. PUBLISHED APRIL 3, 1923.
- 191,194. POULTRY FEED. QUISENBERRY FEED MFG. CO., Kansas City, Mo.
Filed June 1, 1922. Serial No. 164,774. PUBLISHED APRIL 3, 1923.
- 191,195. CERTAIN FOODS. B. A. RAILTON COMPANY, Chicago, Ill.
Filed September 18, 1922. Serial No. 169,648. PUBLISHED FEBRUARY 12, 1924.
- 191,196. LEATHER MACHINE BELTING. EDGAR HANDLEY, doing business as Edgar Handley Bros., Bradford, England.
Filed April 14, 1923. Serial No. 179,149. PUBLISHED AUGUST 26, 1924.
- 191,197. BAY RUM, WITCH-HAZEL, ALCOHOL BODY RUB, ETC. MINNEAPOLIS BREWING COMPANY, doing business as Kunz Preparation's Co., Minneapolis, Minn.
Filed April 14, 1923. Serial No. 179,159. PUBLISHED AUGUST 28, 1923.
- 191,198. WALL COVERINGS SUCH AS WALL PAPER. NIAGARA WALL PAPER COMPANY, Niagara Falls, N. Y.
Filed May 4, 1923. Serial No. 180,189. PUBLISHED JULY 8, 1924.
- 191,199. WALL COVERINGS SUCH AS WALL PAPER. NIAGARA WALL PAPER COMPANY, Niagara Falls, N. Y.
Filed May 4, 1923. Serial No. 180,190. PUBLISHED JULY 8, 1924.
- 191,200. FLAT AND ROUND LEATHER BELTING. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed May 10, 1923. Serial No. 180,414. PUBLISHED AUGUST 26, 1924.
- 191,201. POULTRY GRIT. THE GEORGIA MINERAL PRODUCTS CO., Tate, Ga.
Filed May 16, 1923. Serial No. 180,696. PUBLISHED AUGUST 26, 1924.
- 191,202. TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed May 22, 1923. Serial No. 180,973. PUBLISHED JULY 8, 1924.
- 191,203. GASKETS. LUDWIG M. DIETRICH, New York, N. Y.
Filed July 25, 1923. Serial No. 183,647. PUBLISHED AUGUST 26, 1924.
- 191,204. AUDIOFREQUENCY TRANSFORMER FOR USE IN RADIO SETS. FORD MICA COMPANY, INCORPORATED, New York, N. Y.
Filed November 22, 1923. Serial No. 188,673. PUBLISHED MARCH 18, 1924.
- 191,205. COFFEE, TEA, CORNSTARCH, SPICES, EXTRACTS, JAMS, JELLIES, HONEY, TABLE SIRUP, RICE, SAGO, TAPIOCA, PREPARED MUSTARD, VINEGAR, AND CRUSHED FRUITS. HEWLETT BROTHERS COMPANY, Salt Lake City, Utah.
Filed July 15, 1924. Serial No. 200,045. PUBLISHED AUGUST 26, 1924.
- 191,206. COTTON PIECE GOODS. THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La.
Filed July 2, 1924. Serial No. 199,460. PUBLISHED AUGUST 12, 1924.

- 191,207. COTTON PIECE GOODS. THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La.
Filed July 2, 1924. Serial No. 199,459. PUBLISHED AUGUST 12, 1924.
- 191,208. COTTON PIECE GOODS. THE E. V. BENJAMIN CO., INC., doing business as Maginnis Cotton Mills, New Orleans, La.
Filed July 2, 1924. Serial No. 199,457. PUBLISHED AUGUST 12, 1924.
- 191,209. COTTON PIECE GOODS. THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La.
Filed July 2, 1924. Serial No. 199,456. PUBLISHED AUGUST 19, 1924.
- 191,210. WOOLEN GOODS IN THE PIECE. WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed July 1, 1924. Serial No. 199,449. PUBLISHED AUGUST 19, 1924.
- 191,211. WOOLEN PIECE GOODS. BILHUBER-WAWAK COMPANY, Chicago, Ill.
Filed June 30, 1924. Serial No. 199,340. PUBLISHED AUGUST 12, 1924.
- 191,212. WOOLEN PIECE GOODS. BILHUBER-WAWAK COMPANY, Chicago, Ill.
Filed June 30, 1924. Serial No. 199,339. PUBLISHED AUGUST 19, 1924.
- 191,213. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed June 27, 1924. Serial No. 199,216. PUBLISHED AUGUST 12, 1924.
- 191,214. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed June 27, 1924. Serial No. 199,214. PUBLISHED AUGUST 19, 1924.
- 191,215. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed June 27, 1924. Serial No. 199,213. PUBLISHED AUGUST 12, 1924.
- 191,216. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed June 27, 1924. Serial No. 199,212. PUBLISHED AUGUST 19, 1924.
- 191,217. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed June 27, 1924. Serial No. 199,211. PUBLISHED AUGUST 12, 1924.
- 191,218. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed June 27, 1924. Serial No. 199,210. PUBLISHED AUGUST 12, 1924.
- 191,219. EXTRACT FOR SOFT DRINKS. THE DILL COMPANY, Norristown, Pa.
Filed June 24, 1924. Serial No. 199,047. PUBLISHED AUGUST 26, 1924.
- 191,220. WOOLEN PIECE GOODS. BILHUBER-WAWAK COMPANY, Chicago, Ill.
Filed June 24, 1924. Serial No. 199,033. PUBLISHED AUGUST 12, 1924.
- 191,221. DRESS AND SUITING LINENS IN THE PIECE. ROBERT MCBRATNEY & COMPANY, INCORPORATED, New York, N. Y.
Filed June 23, 1924. Serial No. 199,013. PUBLISHED AUGUST 19, 1924.
- 191,222. CERTAIN NAMED TEXTILE RUGS. MARLETTA KNITTING COMPANY, Marietta, Ga.
Filed June 23, 1924. Serial No. 199,012. PUBLISHED AUGUST 12, 1924.

- 191,223. CIGARS. THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa.
Filed June 21, 1924. Serial No. 198,952. PUBLISHED AUGUST 26, 1924.
- 191,224. PIECE GOODS—NAMESLY, WOOLEN AND WORSTED MIXTURE. GLENBROOK WORSTED MILLS, Woonsocket, R. I.
Filed June 21, 1924. Serial No. 198,942. PUBLISHED AUGUST 12, 1924.
- 191,225. CIGARS. THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa.
Filed June 20, 1924. Serial No. 198,875. PUBLISHED AUGUST 26, 1924.
- 191,226. CERTAIN NAMED PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed June 20, 1924. Serial No. 198,864. PUBLISHED AUGUST 19, 1924.
- 191,227. CERTAIN NAMED PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed June 20, 1924. Serial No. 198,863. PUBLISHED AUGUST 19, 1924.
- 191,228. CERTAIN NAMED PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed June 20, 1924. Serial No. 198,862. PUBLISHED AUGUST 19, 1924.
- 191,229. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed July 14, 1924. Serial No. 199,983. PUBLISHED AUGUST 26, 1924.
- 191,230. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed July 14, 1924. Serial No. 199,982. PUBLISHED AUGUST 26, 1924.
- 191,231. METAL PACKING RINGS. STEWART MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 12, 1924. Serial No. 199,957. PUBLISHED AUGUST 26, 1924.
- 191,232. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. JORDAN MOTOR CAR COMPANY, INC., Cleveland, Ohio.
Filed June 30, 1924. Serial No. 199,357. PUBLISHED AUGUST 26, 1924.
- 191,233. WEDDING AND OTHER FINGER RINGS. POWERS & MAYER MANUFACTURING CORPORATION, New York, N. Y.
Filed June 11, 1924. Serial No. 198,420. PUBLISHED AUGUST 12, 1924.
- 191,234. FINGER RINGS OF PRECIOUS AND SEMI-PRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,349. PUBLISHED AUGUST 19, 1924.
- 191,235. FINGER RINGS OF PRECIOUS AND SEMI-PRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,348. PUBLISHED AUGUST 19, 1924.
- 191,236. FINGER RINGS OF PRECIOUS AND SEMI-PRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,347. PUBLISHED AUGUST 19, 1924.
- 191,237. FINGER RINGS OF PRECIOUS AND SEMI-PRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,346. PUBLISHED AUGUST 19, 1924.
- 191,238. FINGER RINGS OF PRECIOUS AND SEMI-PRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,345. PUBLISHED AUGUST 19, 1924.

- 191,239. PISTON RINGS AND PISTON-RING SPRINGS. HUNT-SPILLER MANUFACTURING CORPORATION, Boston, Mass.
Filed June 9, 1924. Serial No. 198,308. PUBLISHED AUGUST 19, 1924.
- 191,240. INKED RIBBONS AND CARBON PAPERS. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill.
Filed May 1, 1924. Serial No. 196,398. PUBLISHED AUGUST 12, 1924.
- 191,241. LEATHER PACKINGS. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass.
Filed May 1, 1924. Serial No. 196,384. PUBLISHED AUGUST 26, 1924.
- 191,242. WRITING PAPERS, TABLETS, AND ENVELOPES. THE TOLEDO MERCHANDISE COMPANY, Toledo, Ohio.
Filed April 18, 1924. Serial No. 195,786. PUBLISHED JULY 8, 1924.
- 191,243. ELECTRIC DELIVERY AND PASSENGER VEHICLES. RALPH D. WARD, New York, N. Y.
Filed April 16, 1924. Serial No. 195,665. PUBLISHED AUGUST 26, 1924.
- 191,244. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed June 20, 1924. Serial No. 198,850. PUBLISHED AUGUST 12, 1924.
- 191,245. PENCILS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed April 15, 1924. Serial No. 195,565. PUBLISHED JULY 8, 1924.
- 191,246. LIQUID LOTIONS FOR THE TREATMENT OF JOINTS. HERBERT G. HOLLAND, Seattle, Wash.
Filed April 10, 1924. Serial No. 195,291. PUBLISHED JULY 8, 1924.
- 191,247. PLASTIC COATING FOR WALL BOARD, PULPBOARD, MILL BOARD, TAR BOARD, AND TILE LIKE. MORRIS SCHAYER, doing business as The Schayer Wall Paper & Painting Company, Denver, Colo.
Filed March 1, 1924. Serial No. 193,129. PUBLISHED AUGUST 26, 1924.
- 191,248. VIOLINS, VIOLAS, VIOLONCELLOS, AND THEIR PARTS AND STRINGS THEREFOR, AND BOWS. EMIL HERRMANN, doing business as Herrmann's Gelgenhandlung, Emil Herrmann, Berlin, Germany.
Filed November 23, 1923. Serial No. 188,754. PUBLISHED AUGUST 12, 1924.
- 191,249. BUTTER. SWIFT AND COMPANY, Chicago, Ill.
Filed November 30, 1923. Serial No. 189,079. PUBLISHED JANUARY 15, 1924.
- 191,250. SCORING CHARTS. CARL R. BLACKMAN, BARNWELL S. STUART, and GLENN W. SHAW, Denver, Colo.
Filed January 5, 1924. Serial No. 190,441. PUBLISHED JUNE 10, 1924.
- 191,251. ANNOUNCEMENT PAPER, CARDS, AND MAILING ENVELOPES. AMERICAN WRITING PAPER COMPANY, Holyoke, Mass.
Filed January 7, 1924. Serial No. 190,484. PUBLISHED FEBRUARY 26, 1924.
- 191,252. ELECTRICAL APPARATUS. ROBERT H. HERSCHMAN, doing business as Victor Radio Manufacturing Co., New York, N. Y.
Filed January 12, 1924. Serial No. 190,726. PUBLISHED MARCH 18, 1924.
- 191,253. TYPEWRITER RIBBONS AND CARBON PAPER. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,093. PUBLISHED AUGUST 12, 1924.
- 191,254. KRAFT TRAY PAPER. SAN JOAQUIN GROCERY CO., Fresno, Calif.
Filed March 1, 1924. Serial No. 193,128. PUBLISHED APRIL 22, 1924.

- 191,255. COFFEE. CAROLINA COFFEE CO., Charleston, S. C.
Filed July 7, 1924. Serial No. 199,675. PUBLISHED AUGUST 26, 1924.
- 191,256. PHONOGRAPHS AND TONE CHAMBERS. SONGSTER PHONOGRAPH COMPANY, INC., Duluth, Minn.
Filed March 27, 1924. Serial No. 194,574. PUBLISHED AUGUST 12, 1924.
- 191,257. CANNED FRUITS AND VEGETABLES. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed March 10, 1924. Serial No. 193,521. PUBLISHED AUGUST 26, 1924.
- 191,258. ARTIFICIAL-SILK AND REAL-SILK YARN AND SILK THREAD. AARON J. ROTHSTEIN, New York, N. Y.
Filed March 6, 1924. Serial No. 193,357. PUBLISHED AUGUST 5, 1924.
- 191,259. BUTTONS, METAL INSIGNIA AND ORNAMENTS; ARMY AND NAVY EQUIPMENT—VIZ, BELTS, AIGUILLETES, SHOULDER KNOTS, SPURS, AND TRIMMING MADE OF OR PLATED WITH PRECIOUS METAL. N. S. MEYER, INC., New York, N. Y.
Filed March 6, 1924. Serial No. 193,344. PUBLISHED AUGUST 26, 1924.
- 191,260. TYPEWRITER RIBBONS AND CARBON PAPER. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,094. PUBLISHED AUGUST 12, 1924.
- 191,261. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES, AND HOLLOW AND FLAT TABLEWARE AND TOILET WARE MADE OF OR PLATED WITH PRECIOUS METAL. E. W. REYNOLDS COMPANY, Los Angeles, Calif.
Filed February 25, 1924. Serial No. 192,793. PUBLISHED AUGUST 12, 1924.
- 191,262. PIANOS AND PIANO PLAYERS AND PARTS THEREOF AND MUSIC ROLLS OR NOTE SHEETS FOR USE WITH PLAYER PIANOS. CARLE C. CONWAY, RUTHERFORD O. AINSLIE, and THEODORE P. BROWN, Cotrustees doing business as Hallet & Davis Piano Company, Boston, Mass.
Filed February 13, 1924. Serial No. 192,214. PUBLISHED AUGUST 26, 1924.
- 191,263. BROOCHES, SCARFINS, AND CUFF BUTTONS. KARL GUGGENHEIM, INC., New York, N. Y.
Filed February 12, 1924. Serial No. 192,177. PUBLISHED AUGUST 26, 1924.
- 191,264. PHONOGRAPHS AND PHONOGRAPH-RECORD-HOLDING ALBUMS. THE PIERSON COMPANY, Rockford, Ill.
Filed February 9, 1924. Serial No. 192,084. PUBLISHED AUGUST 12, 1924.
- 191,265. CALLIOPES. NORMAN G. BAKER, doing business as Tangle Company, Muscatine, Iowa.
Filed January 28, 1924. Serial No. 191,359. PUBLISHED AUGUST 12, 1924.
- 191,266. ARTIFICIAL PEARLS. BLAUER GOLDSTONE COMPANY, Chicago, Ill.
Filed January 21, 1924. Serial No. 191,053. PUBLISHED AUGUST 26, 1924.
- 191,267. WATCHES, WATCH MOVEMENTS, WATCH-CASES, WATCH DIALS, AND PARTS THEREOF. FELS DE R. PICARD & CO., FABRIQUE INVICTA, INVICTA MANUFACTURING CO., La Chaux-de-Fonds, Switzerland.
Filed November 23, 1923. Serial No. 188,750. PUBLISHED AUGUST 26, 1924.
- 191,268. DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, LEAD FOR USE IN PAINTS, VARNISHES, AND STAINS. ARROW PAINT & WALL PAPER COMPANY, Denver, Colo.
Filed June 30, 1923. Serial No. 182,642. PUBLISHED AUGUST 19, 1924.

191,269. CANNED SALMON. STUART PACKING CORPORATION, Seattle, Wash.
Filed June 29, 1923. Serial No. 182,621. PUBLISHED DECEMBER 18, 1923.

191,270. LAUNDRY NETS. TINGUE, BROWN & CO., New York, N. Y.
Filed June 15, 1923. Serial No. 182,078. PUBLISHED AUGUST 26, 1924.

191,271. LAUNDRY NETS. TINGUE, BROWN & CO., New York, N. Y.
Filed June 15, 1923. Serial No. 182,077. PUBLISHED AUGUST 26, 1924.

191,272. ELECTRIC WASHING MACHINES. SUNBEAM ELECTRIC MANUFACTURING CO., Evansville, Ind.
Filed June 15, 1923. Serial No. 182,071. PUBLISHED AUGUST 12, 1924.

191,273. UNSHELLED ROASTED AND SALTED PISTACHIO NUTS. ZALOOM BROTHERS COMPANY, INC., New York, N. Y.
Filed June 9, 1923. Serial No. 181,803. PUBLISHED FEBRUARY 12, 1924.

191,274. BELT BUCKLES MADE OF OR PLATED WITH PRECIOUS METAL. MARATHON COMPANY, Attleboro, Mass.
Filed March 26, 1923. Serial No. 178,052. PUBLISHED AUGUST 26, 1924.

191,275. JEWELRY FOR PERSONAL ADORNMENT. J. M. FISHER CO., Attleboro, Mass.
Filed April 6, 1922. Serial No. 161,830. PUBLISHED AUGUST 12, 1924.

191,276. CANNED BERRIES AND CANNED FRUITS. OLYMPIA CANNING COMPANY, Olympia, Wash.
Filed July 7, 1924. Serial No. 199,714. PUBLISHED AUGUST 26, 1924.

191,277. CANDY. VIRGINIA BAKING CO. INC., Richmond, Va.
Filed July 1, 1924. Serial No. 199,443. PUBLISHED AUGUST 26, 1924.

191,278. CANDY. THE UNDERWOOD-TALMAGE CO., Dayton, Ohio.
Filed July 1, 1924. Serial No. 199,441. PUBLISHED AUGUST 26, 1924.

191,279. VIOLINS, VIOLAS, VIOLONCELLOS, BASS VIOLAS, PARTS THEREOF, AND BOWS AND STRINGS THEREFOR. SIMSON & FREY, INC., New York, N. Y.
Filed May 17, 1924. Serial No. 197,222. PUBLISHED AUGUST 26, 1924.

191,280. PRECIOUS AND SEMIPRECIOUS STONES. NED D. FITCH, Kalamazoo, Mich.
Filed May 19, 1924. Serial No. 197,268. PUBLISHED AUGUST 12, 1924.

191,281. CANDY. FRED LESLIE VILAS, Pierre, S. Dak.
Filed May 23, 1924. Serial No. 197,521. PUBLISHED AUGUST 26, 1924.

191,282. CONFECTIONS—NAMELY, RAISINS COVERED WITH CHOCOLATE. HENRY MAILLARD, New York, N. Y.
Filed May 24, 1924. Serial No. 197,546. PUBLISHED AUGUST 26, 1924.

191,283. FRESH PEACHES. D. C. WESTBROOK, Rover and Griffin, Ga.
Filed May 26, 1924. Serial No. 197,643. PUBLISHED AUGUST 26, 1924.

191,284. FRESH DECIDUOUS FRUITS—NAMELY, PEACHES AND APRICOTS; AND ALL VARIETIES OF MELONS—NAMELY, PERSIAN MELONS. CHAS. B. RUMBLE, doing business as Chas. B. Rumble & Sons, Modesto and Salida, Calif.
Filed May 29, 1924. Serial No. 197,835. PUBLISHED AUGUST 26, 1924.

191,285. AIR MUSICAL INSTRUMENTS OF THE GENERAL CHARACTER OF HORNS. SIMSON & FREY, INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,090. PUBLISHED AUGUST 26, 1924.

191,286. COFFEE. BAY CITY MILLING COMPANY, Bay City, Mich.
Filed June 6, 1924. Serial No. 198,170. PUBLISHED AUGUST 26, 1924.

191,287. WATCHES, WATCH MOVEMENTS, WATCH CASES, CLOCKS, AND PARTS THEREOF. HOFFMAN BROS., INC., New York, N. Y.
Filed June 6, 1924. Serial No. 198,185. PUBLISHED AUGUST 12, 1924.

191,288. SAXOPHONE AND CORNET REEDS. SIMSON & FREY, INC., New York, N. Y.
Filed June 7, 1924. Serial No. 198,260. PUBLISHED AUGUST 12, 1924.

191,289. CHOCOLATE CANDY. ELINE'S INCORPORATED, Milwaukee, Wis.
Filed June 9, 1924. Serial No. 198,295. PUBLISHED AUGUST 26, 1924.

191,290. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,344. PUBLISHED AUGUST 12, 1924.

191,291. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,350. PUBLISHED AUGUST 19, 1924.

191,292. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,351. PUBLISHED AUGUST 19, 1924.

191,293. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,352. PUBLISHED AUGUST 19, 1924.

191,294. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,353. PUBLISHED AUGUST 19, 1924.

191,295. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,354. PUBLISHED AUGUST 12, 1924.

191,296. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,355. PUBLISHED AUGUST 19, 1924.

191,297. FINGER RINGS OF PRECIOUS AND SEMIPRECIOUS METAL FOR PERSONAL WEAR. GILBERT & CO., INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,356. PUBLISHED AUGUST 19, 1924.

191,298. HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed June 11, 1924. Serial No. 198,409. PUBLISHED AUGUST 26, 1924.

191,299. CHOCOLATE-COVERED POTATO CHIPS. CARDINAL CANDY COMPANY, Chicago, Ill.
Filed June 14, 1924. Serial No. 198,563. PUBLISHED AUGUST 5, 1924.

191,300. CERTAIN NAMED PIECE GOODS. FAULTLESS NIGHTWEAR CORPORATION (E. ROSENFELD & CO.), Baltimore, Md.
Filed June 18, 1924. Serial No. 198,737. PUBLISHED AUGUST 5, 1924.

191,301. GRAPES IN THEIR NATURAL STATE. ALBERTI BROTHERS, Los Angeles, Calif.
Filed July 3, 1924. Serial No. 199,515. PUBLISHED AUGUST 26, 1924.

191,302. BOX-COVERING PAPERS, PRINTING PAPERS, BOOK PAPERS, COVER PAPERS, AND WRAPPING PAPERS. REESE & REESE, Baltimore, Md.
Filed January 5, 1924. Serial No. 190,467. PUBLISHED JULY 8, 1924.

191,303. PRINTED FORMS—NAMELY, COMBINATION BILL FORMS USED IN HANDLING INSURANCE. NEWSHAM INSURANCE SYSTEM CO., San Francisco, Calif.
Filed January 9, 1924. Serial No. 190,606. PUBLISHED JULY 8, 1924.

191,304. APERTURED ENVELOPES AND SLIPS OF PAPER BEARING OR ADAPTED TO BEAR LEGIBLE MATTER, AND WHICH SLIPS MAY BE SLID IN THE ENVELOPES SO THAT LEGIBLE MATTER ON THE SLIPS MAY BE EXAMINED THROUGH THE APERTURES, EACH SUCH ENVELOPE AND ITS SLIP OR SLIPS WHEN INSERTED IN THE ENVELOPE CONSTITUTING AN EDUCATIONAL DEVICE TO ASSIST AND ACCELERATE MEMORIZATION. HOWARD C. SPENCER, doing business as The Memorator Co., Cambridge, Mass.
Filed January 19, 1924. Serial No. 191,042. PUBLISHED JULY 22, 1924.

191,305. WRITING PAPER, TOILET PAPER, ENVELOPES, PAPER NAPKINS, AND STENCIL BOARD. MYERS PAPER COMPANY, Memphis, Tenn.
Filed February 25, 1924. Serial No. 192,783. PUBLISHED JULY 8, 1924.

191,306. PENS AND PENCILS. PARKER PEN CO., Janesville, Wis.
Filed March 12, 1924. Serial No. 193,677. PUBLISHED JULY 8, 1924.

191,307. FOUNTAIN PENS. SAMUEL A. HARRIS, New York, N. Y.
Filed April 8, 1924. Serial No. 195,169. PUBLISHED JULY 22, 1924.

191,308. WRAPPING AND TRANSPARENT PAPERS. WESTFIELD RIVER PAPER COMPANY, INC., Russell, Mass., and New York, N. Y.
Filed April 29, 1924. Serial No. 196,325. PUBLISHED JULY 22, 1924.

191,309. PORTABLE INDEX AND FILING DEVICES. D. W. LOW, Los Angeles, Calif.
Filed May 5, 1924. Serial No. 196,600. PUBLISHED JULY 22, 1924.

191,310. WRITING TABLETS, PENCILS, WRITING PAPER, CRAYONS, AND PEN STAFFS. MYERS PAPER COMPANY, Memphis, Tenn.
Filed May 5, 1924. Serial No. 196,607. PUBLISHED JULY 22, 1924.

191,311. STYLOGRAPHIC PENS. JACK D. SNOW, New York, N. Y.
Filed May 17, 1924. Serial No. 197,223. PUBLISHED JULY 22, 1924.

191,312. PAPER, AND PARTICULARLY TOILET PAPER, TISSUE PAPER, AND MANIFOLD PAPER. C. H. DEXTER & SONS, INC., Windsor Locks, Conn.
Filed May 21, 1924. Serial No. 197,366. PUBLISHED JULY 22, 1924.

191,313. PAPER, AND PARTICULARLY TOILET PAPER, TISSUE PAPER, AND MANIFOLD PAPER. C. H. DEXTER & SONS, INC., Windsor Locks, Conn.
Filed May 21, 1924. Serial No. 197,367. PUBLISHED JULY 22, 1924.

191,314. TISSUE PAPER FOR SKIN-CLEANING PURPOSES. CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y.
Filed May 22, 1924. Serial No. 197,416. PUBLISHED JULY 22, 1924.

191,315. CLOTHESPINS. RILEY SWEETS, doing business as Riley Sweets Company, Toledo, Ohio.
Filed May 16, 1924. Serial No. 197,178. PUBLISHED AUGUST 26, 1924.

191,316. VIOLINS, VIOLAS, VIOLONCELLOS, BASE VIOLAS, PARTS THEREOF, AND BOWS AND STRINGS THEREFOR. ERNST HEINRICH ROTH CO., INC., New York, N. Y.
Filed May 16, 1924. Serial No. 197,171. PUBLISHED AUGUST 26, 1924.

191,317. CLOCKS AND PARTS THEREOF. HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany.
Filed May 15, 1924. Serial No. 197,074. PUBLISHED AUGUST 12, 1924.

191,318. CLOCKS (EXCLUSIVE OF STRIKING CLOCKS), STOP WATCHES, AND WATCHES. HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany.
Filed May 15, 1924. Serial No. 197,072. PUBLISHED AUGUST 12, 1924.

191,319. REEDS FOR WOOD-WIND MUSICAL INSTRUMENTS. CARL FISCHER INC., New York, N. Y.
Filed May 15, 1924. Serial No. 197,067. PUBLISHED AUGUST 26, 1924.

191,320. WATCHES. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed May 14, 1924. Serial No. 197,037. PUBLISHED AUGUST 26, 1924.

191,321. WATCHCASES. EMERSON WATCH CASE CO., INC., New York, N. Y.
Filed May 14, 1924. Serial No. 197,018. PUBLISHED AUGUST 26, 1924.

191,322. A TOPPING FOR ICE-CREAM CONFECTIONS AND FOR FANCY DRINKS. TIP-TOP BOTTLING COMPANY, St. Louis, Mo.
Filed May 13, 1924. Serial No. 196,901. PUBLISHED AUGUST 26, 1924.

191,323. WATCHCASES. LIBERTY WATCH CASE CO., New York, N. Y.
Filed May 12, 1924. Serial No. 196,917. PUBLISHED AUGUST 12, 1924.

191,324. WATCHES AND WATCH MOVEMENTS. ADOLPHE SCHWOB, INC., New York, N. Y.
Filed May 9, 1924. Serial No. 196,827. PUBLISHED AUGUST 12, 1924.

191,325. CLOCKS AND TIME RECORDERS. INTERNATIONAL TIME RECORDING COMPANY OF NEW YORK, New York, N. Y.
Filed May 9, 1924. Serial No. 196,811. PUBLISHED AUGUST 26, 1924.

191,326. CLOCKS. WILLIAM L. GILBERT CLOCK COMPANY, Winsted, Conn.
Filed May 9, 1924. Serial No. 196,802. PUBLISHED AUGUST 12, 1924.

191,327. STERLING-SILVER DINNER SERVICE. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed May 5, 1924. Serial No. 196,588. PUBLISHED AUGUST 26, 1924.

191,328. MUSICAL INSTRUMENTS—NAMELY, ACCORDIONS. HARRY VERWER, Oakland, Calif.
Filed May 1, 1924. Serial No. 196,416. PUBLISHED AUGUST 12, 1924.

191,329. BANJOS, GUITARS, UKULELES, MANDOLINS, VELLUM SOUNDING BOARDS, STRINGS, BRIDGES, TENOR DRUMS, BANJO TAIL BRIDGES, AND BANJO BRIDGES. HENRY STADLMAYER CO., INC., New York, N. Y.
Filed May 1, 1924. Serial No. 196,408. PUBLISHED AUGUST 12, 1924.

191,330. BANJOS, GUITARS, UKULELES, MANDOLINS, VELLUM SOUNDING BOARDS, STRINGS, BRIDGES, TENOR DRUMS, BANJO TAIL BRIDGES, AND BANJO BRIDGES. HENRY STADLMAYER Co., Inc., New York, N. Y.
Filed May 1, 1924. Serial No. 196,407. PUBLISHED AUGUST 12, 1924.

191,331. WATCH DIALS AND WATCH MOVEMENTS. GOOD-SIEGEL, Inc., New York, N. Y.
Filed April 24, 1924. Serial No. 196,057. PUBLISHED AUGUST 12, 1924.

191,332. PHONOGRAPH RECORDS. CAMCO RECORD CORPORATION, New York, N. Y.
Filed April 18, 1924. Serial No. 195,736. PUBLISHED AUGUST 12, 1924.

191,333. JEWELRY—NAMES, FINGER RINGS. MALENKA-SAGAR Co. Inc., New York, N. Y.
Filed April 10, 1924. Serial No. 195,297. PUBLISHED AUGUST 12, 1924.

191,334. THREAD FOR STRINGING PEARLS AND OTHER BEADS FOR NECKLACES AND THE LIKE. POSNER & PESSERNIK, New York, N. Y.
Filed March 31, 1924. Serial No. 194,736. PUBLISHED AUGUST 12, 1924.

191,335. COTTON SHEETINGS. FREDERICK BLANK & Co., doing business as United States Cotton Mills, New York, N. Y.
Filed May 3, 1924. Serial No. 147,151. PUBLISHED AUGUST 19, 1924.

191,336. GAME—NAMES, CHILDREN'S SECTIONAL CARDBOARD OR PAPER CUT-OUTS. CHARLES LEDERER, Chicago, Ill.
Filed June 21, 1922. Serial No. 165,797. PUBLISHED AUGUST 26, 1924.

191,337. AUTOMOBILE BODIES. QUINLAN MOTORS COMPANY, Chicago, Ill.
Filed June 9, 1923. Serial No. 181,776. PUBLISHED AUGUST 12, 1924.

191,338. FANCY DOLL BAGS, FANCY PURSES, VANITY BAGS, SEWING BASKETS, AND WORK BASKETS. JOSEPHINE G. ROVIRA, New York, N. Y.
Filed June 9, 1923. Serial No. 181,778. PUBLISHED JUNE 17, 1924.

191,339. CERTAIN NAMED THREAD. THE CORTECELLI SILK COMPANY, Northampton, Mass.
Filed November 26, 1923. Serial No. 188,892. PUBLISHED AUGUST 5, 1924.

191,340. CANNED FRUITS AND CANNED VEGETABLES, CANNED PORK AND BEANS. THE AKRON GROCERY COMPANY, Akron, Ohio.
Filed February 1, 1924. Serial No. 191,591. PUBLISHED AUGUST 19, 1924.

191,341. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, Inc., New York, N. Y.
Filed March 10, 1924. Serial No. 193,492. PUBLISHED APRIL 29, 1924.

191,342. UMBRELLAS AND PARASOLS. LA SOCIÉTÉ ANONYME "PARAPLUIE-REVEL," Lyon, France.
Filed March 10, 1924. Serial No. 193,525. PUBLISHED AUGUST 5, 1924.

191,343. CERTAIN NAMED TEXTILES. ADOLPH S. HERRMANN, New York, N. Y.
Filed March 14, 1924. Serial No. 193,772. PUBLISHED AUGUST 19, 1924.

191,344. REFRIGERATORS. GURNEY REFRIGERATOR COMPANY, Fond du Lac, Wis.
Filed March 20, 1924. Serial No. 194,103. PUBLISHED AUGUST 5, 1924.

191,345. REFRIGERATING MACHINERY. ENTERPRISE MANUFACTURING COMPANY, Spokane, Wash.
Filed April 8, 1924. Serial No. 195,164. PUBLISHED JULY 8, 1924.

191,346. SPICES, BARLEY, RICE FLOUR, AND PEARL TAPIOCA. VAN LOAN & COMPANY, New York, N. Y.
Filed April 14, 1924. Serial No. 195,556. PUBLISHED AUGUST 19, 1924.

191,347. CERTAIN NAMED FLOOR COVERINGS AND WALL COVERINGS. CERTAIN-TRED PRODUCTS CORPORATION, New York, N. Y.
Filed April 19, 1924. Serial No. 195,802. PUBLISHED AUGUST 5, 1924.

191,348. PAPER BOXES. GEORGE E. SCRUBY, Birmingham, Ala.
Filed April 25, 1924. Serial No. 196,138. PUBLISHED JUNE 17, 1924.

191,349. FILTERS. SUCHAR PROCESS CORPORATION, Dover, Del.
Filed May 3, 1924. Serial No. 196,553. PUBLISHED JULY 29, 1924.

191,350. COTTON PIECE GOODS. KLAUBER BROS. & Co., New York, N. Y.
Filed May 6, 1924. Serial No. 196,665. PUBLISHED AUGUST 12, 1924.

191,351. CERTAIN DRAPERIES. ARACOMA DRAPERY FABRICS, INCORPORATED, New York, N. Y.
Filed May 9, 1924. Serial No. 196,784. PUBLISHED JULY 29, 1924.

191,352. CERTAIN DRAPERIES. ARACOMA DRAPERY FABRICS, INCORPORATED, New York, N. Y.
Filed May 9, 1924. Serial No. 196,785. PUBLISHED JULY 29, 1924.

191,353. COTTON AND WOOLEN PIECE GOODS. ROJO FABIAN & Co., New York, N. Y.
Filed May 13, 1924. Serial No. 196,972. PUBLISHED AUGUST 5, 1924.

191,354. RACKS, GAME PIECES, COUNTERS, AND ACCESSORIES USED IN PLAYING THE GAME OF CHINESE DOMINOES. O. P. CRAMER, Los Angeles, Calif.
Filed May 15, 1924. Serial No. 197,064. PUBLISHED AUGUST 26, 1924.

191,355. CANDY. THE UNDERWOOD-TALMAGE Co., Dayton, Ohio.
Filed June 30, 1924. Serial No. 199,406. PUBLISHED AUGUST 26, 1924.

191,356. CANDY. J. G. McDONALD CHOCOLATE COMPANY, Salt Lake City, Utah.
Filed June 30, 1924. Serial No. 199,378. PUBLISHED AUGUST 26, 1924.

191,357. GREEN COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed June 20, 1924. Serial No. 198,898. PUBLISHED AUGUST 12, 1924.

191,358. MACARONI AND OTHER ALIMENTARY PASTES. ROCCO PERRETTA & Co., Utica, N. Y.
Filed June 20, 1924. Serial No. 198,884. PUBLISHED AUGUST 26, 1924.

191,359. CANE SUGAR, FRESH POTATOES, CANNED APPLES, SALTED PEANUTS, TOMATO PURÉE, CANNED SPAGHETTI, VEGETABLE SOUP, TOMATO SOUP, CANNED CHILI CON CARNE, YELLOW CORN MEAL, WHITE CORN MEAL, GRAHAM FLOUR, AND CHILI SAUCE. WESTERN GROCER COMPANY, Marshalltown, Iowa.
Filed June 16, 1924. Serial No. 198,692. PUBLISHED AUGUST 26, 1924.

191,360. ICE-CREAM CONES. ROBERTS CONE MANUFACTURING COMPANY, St. Joseph, Mo.
Filed June 16, 1924. Serial No. 198,680. PUBLISHED AUGUST 26, 1924.

191,361. CANDY. VAN ENGBERG, Inc., Chicago, Ill.
Filed June 13, 1924. Serial No. 198,549. PUBLISHED AUGUST 19, 1924.

191,362. CANDY. VAN ENGBERG, Inc., Chicago, Ill.
Filed June 13, 1924. Serial No. 198,548. PUBLISHED AUGUST 19, 1924.

191,363. ICE CREAM. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn.
Filed June 11, 1924. Serial No. 198,397. PUBLISHED AUGUST 26, 1924.

191,364. FRESH CITROUS FRUITS—NAMES, FRESH ORANGES. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif.
Filed May 31, 1924. Serial No. 197,875. PUBLISHED AUGUST 26, 1924.

191,365. FRESH CITROUS FRUITS—NAMES, FRESH ORANGES. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif.
Filed May 31, 1924. Serial No. 197,874. PUBLISHED AUGUST 26, 1924.

191,366. CANDY. F. A. MAROCCHIO MACARONI Co., Minneapolis, Minn.
Filed May 24, 1924. Serial No. 197,549. PUBLISHED JULY 29, 1924.

191,367. CERTAIN FOODS AND INGREDIENTS OF FOODS. CHARLES & Co., New York, N. Y.
Filed April 8, 1924. Serial No. 195,154. PUBLISHED AUGUST 26, 1924.

191,368. SALAD DRESSINGS. HANDLEY PRODUCTS COMPANY, Penn Yan, N. Y.
Filed April 7, 1924. Serial No. 195,108. PUBLISHED AUGUST 26, 1924.

191,369. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. PEOPLES DRUG STORES, INC., Washington, D. C.
Filed December 19, 1923. Serial No. 189,912. PUBLISHED AUGUST 5, 1924.

191,370. CANDY. THE BONITA Co., Fond du Lac, Wis.
Filed December 1, 1923. Serial No. 189,097. PUBLISHED AUGUST 26, 1924.

191,371. FRESH GRAPES, DECIDUOUS FRUITS, AND BERRIES. WOODBRIDGE FRUIT COMPANY, Woodbridge, Calif.
Filed July 7, 1923. Serial No. 182,950. PUBLISHED MARCH 18, 1924.

191,372. FRESH, SALT, SMOKED, AND CANNED MEATS AND PORK PRODUCTS—NAMES, SMOKED SAUSAGE, GREEN SAUSAGE, BOLOGNA, HEADCHEESE, SCRAPPLE, SOUSE, PORK PUDGING, MINCED-MEAT LOAF, AND LUNCHEON SPECIAL, AND BY-PRODUCTS—NAMES, LARD. T. T. KEANE COMPANY, INCORPORATED, Washington, D. C.
Filed May 24, 1923. Serial No. 181,081. PUBLISHED AUGUST 26, 1924.

191,373. FOOD AND ICE-CREAM FLAVORS. ORANGE CRUSH COMPANY, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,498. PUBLISHED AUGUST 26, 1924.

191,374. CANDIES. WALLA WALLA CANDY COMPANY, Walla Walla, Wash.
Filed December 28, 1922. Serial No. 173,945. PUBLISHED AUGUST 26, 1924.

191,375. JEWELRY CASES. SAMUEL BUCHSBAUM, doing business as S. Buchsbaum & Co., Chicago, Ill.
Filed April 28, 1921. Serial No. 146,864. PUBLISHED JULY 29, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

191,376. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, Inc., New York, N. Y.
Filed Aug. 13, 1924. Serial No. 201,322.

191,378. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FRANK W. HOFFMAN, doing business as F. W. Hoffman & Company, Philadelphia, Pa. Filed June 14, 1924. Serial No. 198,574.

VERNON

Particular description of goods.—Banjos, Mandolins, Guitars, Ukuleles, and Banjo Ukuleles.
Claims use since January, 1904.

191,377. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MAINE MUSIC Co., Portland, Me. Filed July 2, 1924. Serial No. 199,480.

BROOKS

Particular description of goods.—Pianos and Phonographs.
Claims use since January, 1923.



Particular description of goods.—Factory, Household, and Street Brooms; Floor, Dust, Window, Hair, and Scrub Brushes; Feather, Cotton, and Wool Dusters.
Claims use since Feb. 1, 1923.

191,379. (CLASS 11. INKS AND INKING MATERIALS.) PHILIP RUXTON INCORPORATED, New York, N. Y.; Chicago, Ill.; Boston, Mass.; St. Paul, Minn.; and St. Louis, Mo. Filed June 11, 1924. Serial No. 198,425.

Shy-Nee

Particular description of goods.—Gloss or High Finish Printing Inks.
Claims use since Mar. 1, 1923.

191,380. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GROSSMAN BROTHERS COMPANY, Cleveland, Ohio. Filed May 19, 1924. Serial No. 197,272.



Particular description of goods.—Guitars, Banjos, Tenor Banjos, Mandolins; Banjo Mandolins, Ukuleles, Banjo Ukuleles, Saxophones, Clarinets, Cornets, Trumpets, Bugles, Trombones, and Violin Strings.
Claims use since Apr. 1, 1923.

191,381. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) LANDERS, FRARY & CLARK, New Britain, Conn. Filed May 7, 1924. Serial No. 196,709.

EVER-READY

Particular description of goods.—Electrically-Driven Laundry Washing Machines for Household and Commercial Laundry Use.
Claims use since Jan. 2, 1923.

191,382. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed May 3, 1924. Serial No. 196,501.

IDAHO

Particular description of goods.—Hosiery.
Claims use since Nov. 2, 1921.

191,383. (CLASS 37. PAPER AND STATIONERY.) WHITE & WICKOFF MANUFACTURING COMPANY, Holyoke, Mass. Filed Nov. 14, 1923. Serial No. 188,352.



Particular description of goods.—Writing Paper, Mailing Envelopes, and Papeteries.
Claims use since Sept. 10, 1923.

191,384. (CLASS 2. RECEPTACLES.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924. Serial No. 198,117.

SERVICE

Particular description of goods.—Cotton-Picker Sacks.
Claims use since Feb. 15, 1923.

191,385. (CLASS 5. ADHESIVES.) TILGHMAN A. FREED, doing business as I. X. L. Tire & Supply Company, Allentown, Pa. Filed June 20, 1924. Serial No. 198,855.

STOPS-IT

Particular description of goods.—Preparation for Punctures in Tires.
Claims use since July 20, 1922.

191,386. (CLASS 39. CLOTHING.) REPUBLIC KNITTING MILLS, Detroit, Mich. Filed June 28, 1924. Serial No. 199,323.



Particular description of goods.—Hosiery.
Claims use since Apr. 1, 1921.

191,387. (CLASS 5. ADHESIVES.) ESSEX RUBBER COMPANY, INC., Trenton, N. J. Filed July 16, 1924. Serial No. 200,100.

ESSEX

Particular description of goods.—Rubber Cement.
Claims use since 1914.

191,388. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Aug. 7, 1924. Serial No. 201,102.

VACUUM CUP

Particular description of goods.—Rubber Tires for Vehicles.
Claims use since Oct. 1, 1909.

191,389. (CLASS 39. CLOTHING.) STEVENS, INC., New Orleans, La. Filed Aug. 18, 1924. Serial No. 201,594.

Belfast Crash

Particular description of goods.—Men's Suits.
Claims use since about June 1, 1921.

191,390. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LA VALLIERE CO., New Orleans, La. Filed Sept. 5, 1924. Serial No. 202,256.

ANTI-HEAT

Particular description of goods.—Antiseptic Toilet Powder.
Claims use since Aug. 1, 1914.

191,391. (CLASS 37. PAPER AND STATIONERY.) WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Oct. 3, 1923. Serial No. 186,534.



Particular description of goods.—Toilet Paper, Paper Towels, and Paper Napkins.
Claims use since Sept. 1, 1923.

191,392. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PAUL ACUNTO, doing business as Atlantic Bottling Works, Port Chester, N. Y. Filed Dec. 8, 1923. Serial No. 189,380.

GRANATINE

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Sept. 15, 1923.

191,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CYRUS S. GOODYER, Glendale, Calif. Filed Jan. 2, 1924. Serial No. 190,334.



Particular description of goods.—Salad Dressing, French Dressing, Mustard, Sweet Vegetable Relish.
Claims use since Sept. 15, 1923.

191,394. (CLASS 2. RECEPTACLES.) CUSHION-LOCKED-PAD COMPANY, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 192,112.

THE CUSHION-LOCKED-PAD

Particular description of goods.—Egg-Case Dividing Boards.
Claims use since August, 1922.

191,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNESOTA CROSBY CORN EXCHANGE, Minneapolis, Minn. Filed Apr. 12, 1924. Serial No. 195,455.



Particular description of goods.—Canned Vegetables.
Claims use since January, 1922.

191,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINNIE WUNDER, Los Angeles, Calif. Filed Sept. 18, 1923. Serial No. 185,909.



Particular description of goods.—Face Cream.
Claims use since October, 1920.

191,397. (CLASS 39. CLOTHING.) E. W. WARREN & COMPANY, Somersworth, N. H. Filed Aug. 23, 1923. Serial No. 184,925.



Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since July, 1913.

191,398. (CLASS 39. CLOTHING.) HENRY MARTIN COMPANY, Utica, N. Y. Filed Aug. 18, 1923. Serial No. 184,674.



Particular description of goods.—Men's Suits, Men's Overcoats, Topcoats, Coats, Trousers, Knickerbockers, Sweaters, Hats, Overcoats, Sport Coats, Sport Trousers, Motor Coats, Raincoats, Men's Dress Suits.
Claims use since May 1, 1923.

191,399. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. M. FISHER COMPANY, Attleboro, Mass. Filed July 27, 1923. Serial No. 183,737.

FITSNUG

Particular description of goods.—Bracelets.
Claims use since June 26, 1923.

191,400. (CLASS 32. FURNITURE AND UPHOLSTERY.) WATERTOWN TABLE-SLIDE COMPANY, Watertown, Wis. Filed July 20, 1923. Serial No. 183,511.

'WATERTOWN ROLLER-BEARING EQUALIZER'

Particular description of goods.—Table Extension Slides.
Claims use since June 1, 1923.

191,401. (CLASS 39. CLOTHING.) J. TENENBAUM & SONS, New York, N. Y. Filed Mar. 23, 1923. Serial No. 177,940.

Chapeau du Jour

Particular description of goods.—Ladies' Hats.
Claims use since about Jan. 15, 1923.

191,402. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE GILCHRIST COMPANY, Newark, N. J. Filed May 26, 1921. Serial No. 148,274.

DUPLEX BOWL

Particular description of goods.—Metal Spoons Plated with Precious Metal.
Claims use since fall of 1910.

191,403. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE R. WALLACE & SONS MANFG. Co., Wallingford, Conn. Filed Aug. 2, 1924. Serial No. 200,912.

WALLACE

Particular description of goods.—Flatware and Hollow Ware of Sterling Silver and Other Metals Silver Plated—Namely, Pots, Boxes, Cases, Jars, Bowls, Plates, Dishes, Trays, Waiters, Tea Sets, Vases, Candlesticks, Flasks, Cups, Pitchers, Napkin Rings, Napkin Bands, Napkin Clasps, Metal Baskets, Gravy Boats, Platters, Peppers, Salts, Porringers, Picture Frames, Sugars, Creamers, Tea Strainers, Tea Caddies, Muffineers, Turkeys; Silver-Mounted Mirrors, Brushes, Combs, Manicure Pieces, and Toilet Ware; Silver-Mounted Glassware and Crockery, Spoons, Forks, Servers, Tongs; Silver-Handled Knives and Carving Sets.
Claims use since May, 1923.

191,404. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHAS. W. YOUNG & Co., Philadelphia, Pa. Filed Aug. 22, 1924. Serial No. 201,785.

YOUNG'S

Particular description of goods.—Scouring Soap, Borax Soap (Handy and Large Size), Soap Chips, and Soap Powder.

Claims use since January, 1898.

191,405. (CLASS 39. CLOTHING.) HAMILTON GARMENT COMPANY, INC., New York, N. Y. Filed July 21, 1924. Serial No. 200,316.

HAMILTON'S

Particular description of goods.—Men's, Boys', Women's, Girls', and Infants' Wearing Apparel Consisting of Coats, Suits, Skirts, Waists, Underwear of Knitted or Textile Fabric, Corsets, Brassières, Negligees, Hosiery, Shoes, Sweaters, Hats; Millinery Consisting of Hats of Straw, Silk, Velvet, and Lace; Collar Pieces of Lace and Other Suitable Materials, Jabots, Scarfs, Vestees, and Guimpes and Furs.

Claims use since November, 1917.

191,406. (CLASS 37. PAPER AND STATIONERY.) CHARLES G. HAMPSON Co., INC., Brooklyn, N. Y. Filed Oct. 12, 1923. Serial No. 186,903.

MOTTLETONES

Particular description of goods.—Wall Paper.
Claims use since Sept. 18, 1923.

191,407. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARDWICK & MAGEE COMPANY, Philadelphia, Pa. Filed Sept. 27, 1923. Serial No. 186,275.

SHERWOOD WILTON

Particular description of goods.—Textile Rugs.
Claims use since Sept. 22, 1923.

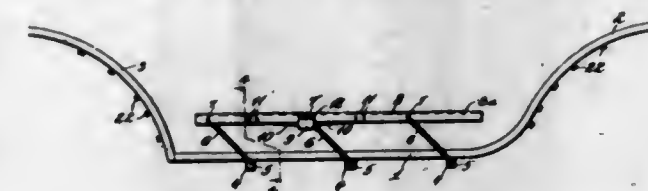
REISSUES

NOVEMBER 4, 1924.

15,940. AUTO LUGGAGE CARRIER. EUGENE SHEER, Lincoln, Ill., assignor to Marquette Manufacturing Company, St. Paul, Minn. Filed May 19, 1924. Serial No. 714,487. Original No. 1,429,112, dated Sept. 12, 1922, Serial No. 487,676, filed July 26, 1921. 11 Claims. (Cl. 224—20.)

1. In an article carrier, the combination of bearings having integral dropped portions and having apertures in said portions, a rod adapted to seat in the bearings and having spaced rounded portions, an upstanding portion, and a flat faced end formed on the upstanding portion, means for securing the bearings to the underside of a vehicle, an angle arm pivotally secured to said end of the upstanding portion, a spring interposed between

the angle arm and the flat faced end of the upstanding portion, and a washer of smaller diameter than the



width of said end interposed between the said end and the inner end of the fastening means, and means for unseating the spring from its normal position.

DESIGNS

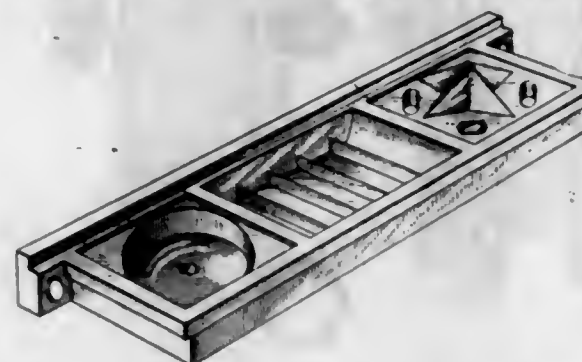
NOVEMBER 4, 1924.

65,890. LIGHTING-FIXTURE BRACKET. FRANK ADAMAC, Laureton, N. Y., assignor to Rudolph Felix, doing business as The Ovalite Company, New York, N. Y. Filed Sept. 17, 1924. Serial No. 10,804. Term of patent 7 years.



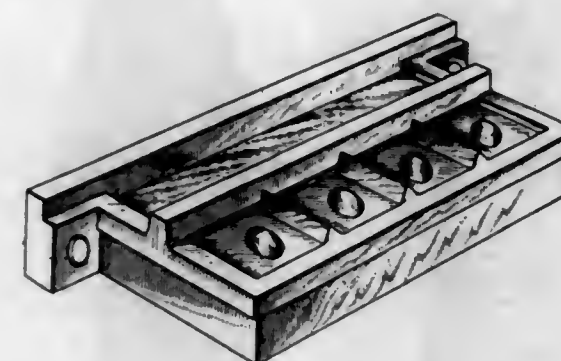
The ornamental design for a lighting fixture bracket substantially as shown.

65,891. COMBINATION BATHROOM FIXTURE. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,387. Term of patent 14 years.



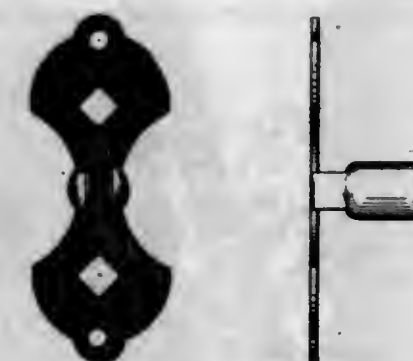
The ornamental design for a combination bathroom fixture, as shown.

65,892. COMBINATION BATHROOM FIXTURE. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,390. Term of patent 14 years.



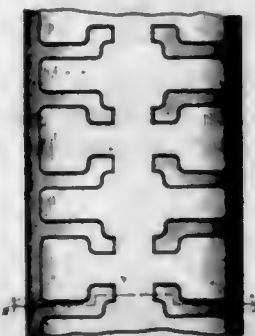
The ornamental design for a combination bathroom fixture, as shown.

65,893. CURTAIN-ROD BRACKET. HARRY T. BARNWELL, Ogdensburg, N. Y., assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y., a Corporation of Maine. Filed Mar. 21, 1921. Serial No. 454,292. Term of patent 14 years.



The ornamental design for a curtain rod bracket as shown.

65,894. TIRE CASING. RUSSELL D. BELDEN, Buffalo, N. Y., assignor to Madison Tire & Rubber Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Jan. 16, 1922. Serial No. 211. Term of patent 3½ years.



The ornamental design for a tire casing, as shown.

65,895. PITCHER. ELMER BELL, Mount Pleasant, Pa., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a Corporation of Pennsylvania. Filed May 3, 1922. Serial No. 2,074. Term of patent 14 years.



The ornamental design for a pitcher as shown.

65,896. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Nottingham, England, assignors to Birkin and Company, Nottingham, England. Filed Aug. 5, 1924. Serial No. 10,370. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

65,897. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Nottingham, England, assignors to Birkin and Company, Nottingham, England. Filed Aug. 5, 1924. Serial No. 10,381. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

65,898. BADGE. HENRY O. BUMILLER, New York, N. Y. Filed Aug. 1, 1924. Serial No. 10,340. Term of patent 14 years.



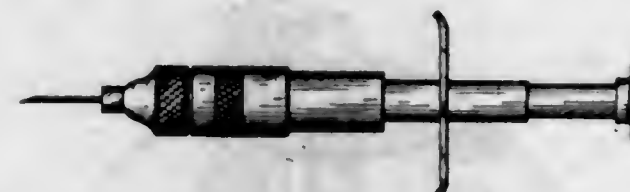
The ornamental design for a badge, as shown.

65,899. FINGER RING. JOHN N. COHEN, Philadelphia, Pa. Filed July 10, 1924. Serial No. 10,114. Term of patent 3½ years.



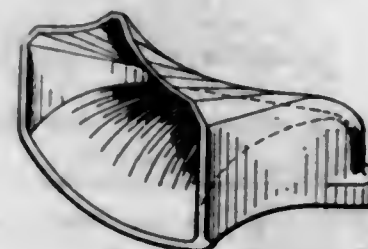
The ornamental design for a finger ring, as shown.

65,900. HYPODERMIC SYRINGE. HARVEY S. COOK, Valparaiso, Ind. Filed May 2, 1921. Serial No. 466,227. Term of patent 3½ years.



The ornamental design for a hypodermic syringe, as shown.

65,901. LOUD-SPEAKER HORN. WILLIAM A. DARRAH, Chicago, Ill. Filed June 13, 1924. Serial No. 9,868. Term of patent 14 years.



The ornamental design for a loud speaker horn as shown.

65,902. COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 24, 1924. Serial No. 10,249. Term of patent 3½ years.



The ornamental design for a coat, substantially as shown and described.

328 O. G.—5

65,903. ONE-PIECE DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 31, 1924. Serial No. 10,333. Term of patent 3½ years.



The ornamental design for a one-piece dress, substantially as shown.

65,904. CHILD'S DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 10,382. Term of patent 3½ years.



The ornamental design for a child's dress, as shown.

65,905. TUNIC. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 13, 1924. Serial No. 10,446. Term of patent 3½ years.



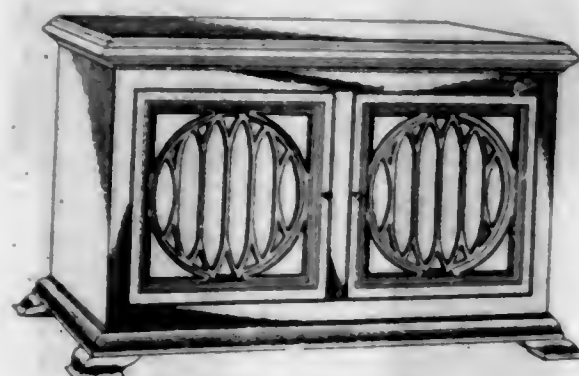
The ornamental design for a tunic, as shown.

65,906. FINGER RING. HERMAN DUBNER, New York, N. Y., assignor to Grabhorn & Dubner, New York, N. Y. Filed Jan. 25, 1924. Serial No. 8,422. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

65,907. CABINET FOR RADIORECEIVERS. ROBERT C. EDWARDS, Elizabeth, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 23, 1923. Serial No. 5,239. Term of patent 14 years.



The ornamental design for a cabinet for radio receivers as shown.

65,908. RING OR SIMILAR ARTICLE. CHARLES FISCHER, New York, N. Y. Filed Aug. 26, 1924. Serial No. 10,560. Term of patent 14 years.



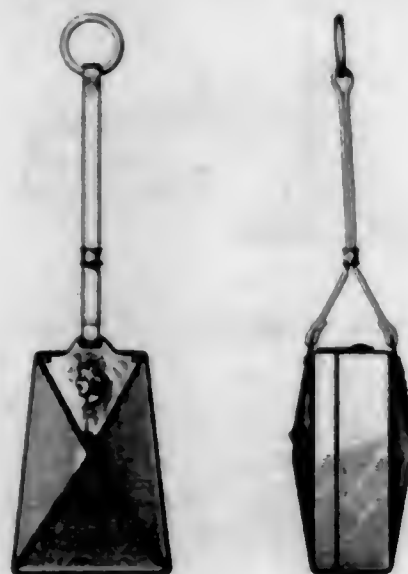
The ornamental design for a ring or similar article as shown.

65,909. DOMESTIC REFRIGERATOR CASING. CARL F. GEIGER and FREDERICK C. GEIGER, Dayton, Ohio. Filed Aug. 13, 1923. Serial No. 7,002. Term of patent 14 years.



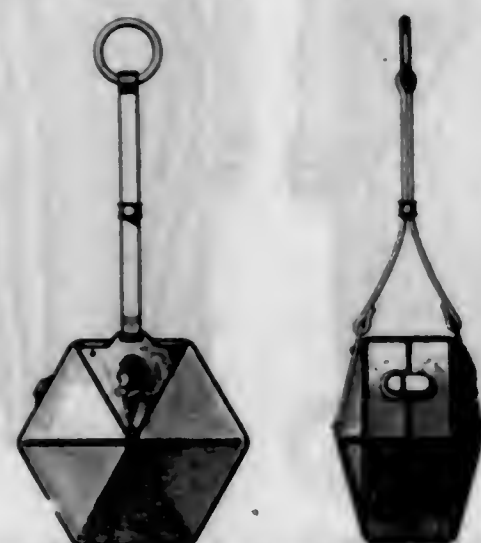
The ornamental design for a domestic refrigerator casing, as shown.

65,910. LADY'S BAG. HARRY GOLDFLAM, New York, N. Y. Filed June 16, 1923. Serial No. 6,518. Term of patent 3½ years.



The ornamental design for a lady's bag as shown.

65,911. LADY'S BAG. HARRY GOLDFLAM, New York, N. Y. Filed June 16, 1923. Serial No. 6,519. Term of patent 3½ years.



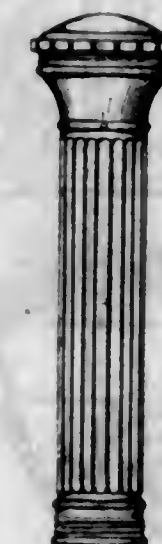
The ornamental design for a lady's bag as shown.

65,912. LAMP SHADE. ARCHIBALD B. HEATH, Lynbrook, N. Y. Filed July 22, 1924. Serial No. 10,214. Term of patent 14 years.



The ornamental design for a lamp shade, as shown.

65,913. FLASH LIGHT. WILLIAM F. HENDRY, Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y., a Corporation of Massachusetts. Filed July 30, 1924. Serial No. 10,323. Term of patent 14 years.



The ornamental design for a flash-light as shown.

65,914. CANDELABRUM. JOHN W. HICKS, Madison, Wis. Filed Aug. 30, 1924. Serial No. 10,631. Term of patent 14 years.



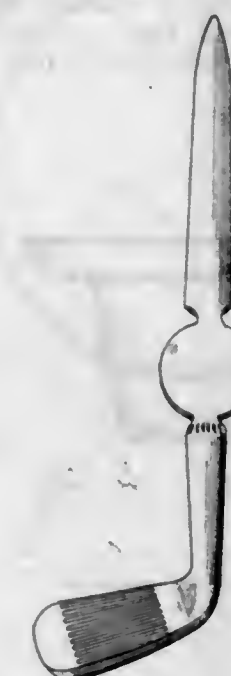
The ornamental design for a candelabrum, as shown.

65,915. COMBINED LAMP SHADE AND BOX OR SIMILAR ARTICLE. ALLEN KANDER, Philadelphia, Pa., assignor to The Whikou Corporation, a Corporation of Delaware. Filed Apr. 5, 1924. Serial No. 9,186. Term of patent 7 years.



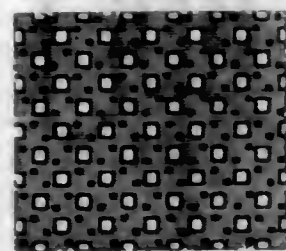
The ornamental design for a combined lamp shade and box or similar article, substantially as shown.

65,916. LETTER OPENER. JOHN C. KORTICK, San Francisco, Calif. Filed Sept. 9, 1924. Serial No. 10,721. Term of patent 3½ years.



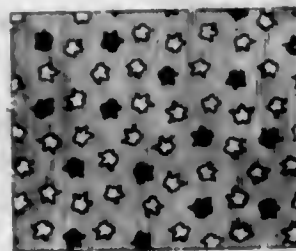
The ornamental design for a letter opener, as shown.

65,917. PRINTED FABRIC. JACOB LADER, New York, N. Y., assignor to Atlas & Bluhm, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 10,429. Term of patent 34 years.



The ornamental design for a printed fabric as shown.

65,918. PRINTED FABRIC. JACOB LADER, New York, N. Y., assignor to Atlas & Bluhm, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 10,430. Term of patent 34 years.



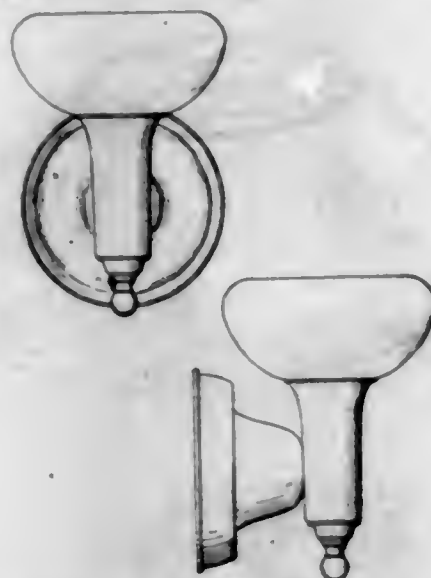
The ornamental design for a printed fabric as shown.

65,919. LIGHTING FIXTURE. ROBERT J. MONROE, Cleveland, Ohio, assignor to The Crescent Brass Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 20, 1923. Serial No. 8,103. Term of patent 7 years.



The ornamental design for a lighting fixture as shown.

65,920. LIGHTING FIXTURE. ROBERT J. MONROE, Cleveland, Ohio, assignor to The Crescent Brass Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 20, 1923. Serial No. 8,104. Term of patent 7 years.



The ornamental design for a lighting fixture as shown.

65,921. REAR-LAMP LENS. CHARLES H. MUCKENHIRN, Detroit, Mich. Filed July 9, 1923. Serial No. 6,734. Term of patent 7 years.



The ornamental design for a rear lamp lens as shown.

65,922. REAR-LAMP LENS. CHARLES H. MUCKENHIRN, Detroit, Mich. Filed July 9, 1923. Serial No. 6,735. Term of patent 7 years.



The ornamental design for a rear lamp lens as shown.

65,923. LIGHTING-FIXTURE PART. FREDERICK MAX PORITZ, New York, N. Y., assignor to Modern Lighting Fixture Co., Inc., a Corporation of New York. Filed Sept. 17, 1924. Serial No. 10,803. Term of patent 34 years.



The ornamental design for a lighting fixture part substantially as shown.

65,924. TIRE. BENJAMIN H. PRATT, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Sept. 8, 1924. Serial No. 10,694. Term of patent 14 years.



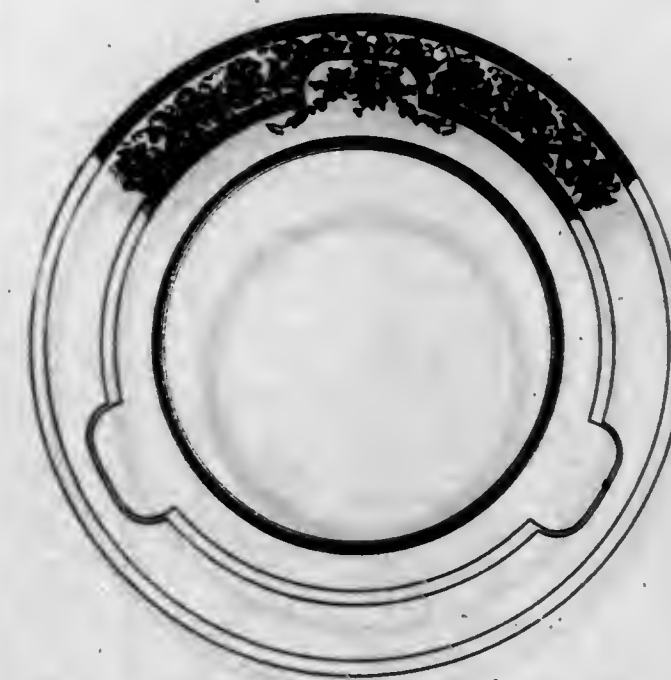
The ornamental design for a tire substantially as shown.

65,925. PLATE OR SIMILAR ARTICLE. CHARLES L. REIZENSTEIN, Pittsburgh, Pa. Filed Apr. 5, 1924. Serial No. 9,182. Term of patent 14 years.



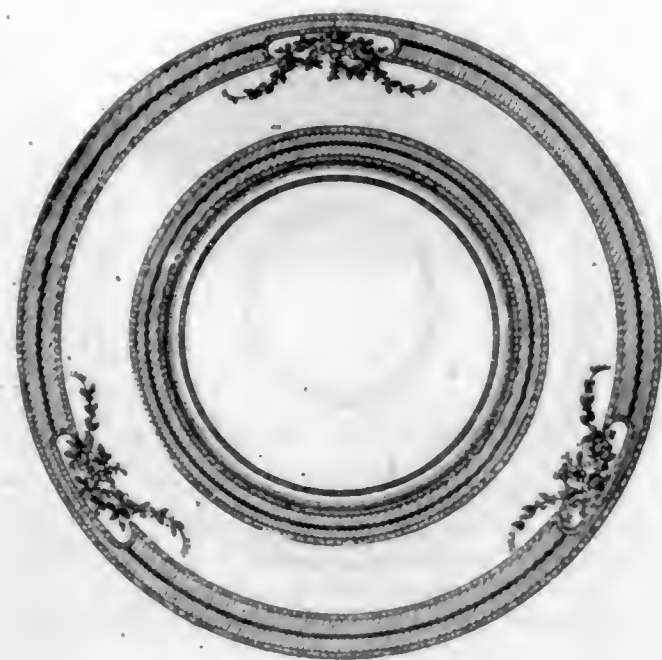
The ornamental design for a plate or similar article, substantially as shown and described.

65,926. PLATE OR SIMILAR ARTICLE. CHARLES L. REIZENSTEIN, Pittsburgh, Pa. Filed Apr. 5, 1924. Serial No. 9,183. Term of patent 14 years.



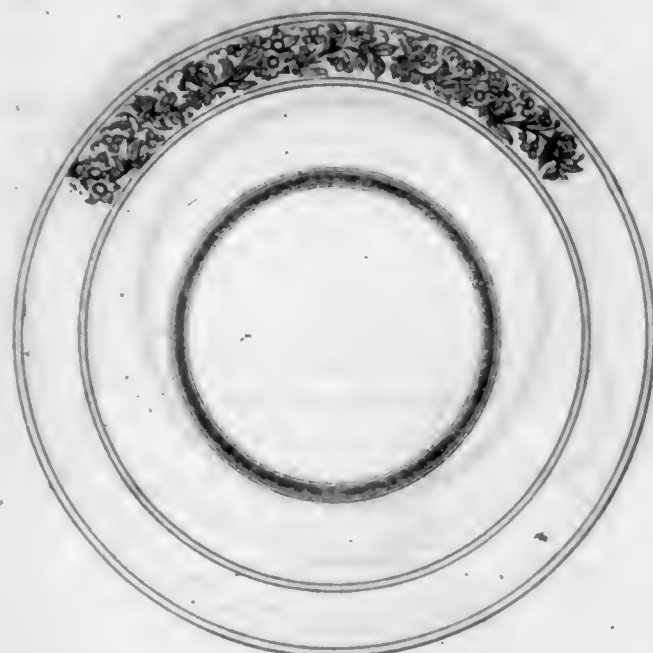
The ornamental design for a plate or similar article, substantially as shown and described.

65,927. PLATE OR SIMILAR ARTICLE. CHARLES L. REIZENSTEIN, Pittsburgh, Pa. Filed Apr. 5, 1924. Serial No. 9,184. Term of patent 14 years.



The ornamental design for a plate or similar article, substantially as shown and described.

65,928. PLATE OR SIMILAR ARTICLE. CHARLES L. REIZENSTEIN, Pittsburgh, Pa. Filed Apr. 5, 1924. Serial No. 9,185. Term of patent 14 years.



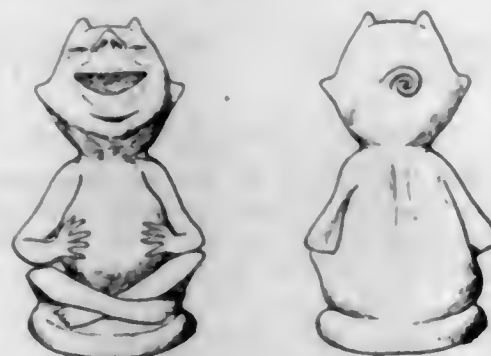
The ornamental design for a plate or similar article substantially as shown and described.

65,929. WATCHCASE. ALEXANDER C. RINDSKOPF, Chicago, Ill., assignor to North American Watch Company, a Corporation of Ohio. Filed July 7, 1924. Serial No. 10,074. Term of patent 7 years.



The ornamental design for a watchcase, as shown.

65,930. STATUETTE. ALBERT EDWARD RUSSELL, Wellington, New Zealand. Filed May 12, 1924. Serial No. 9,566. Term of patent 7 years.



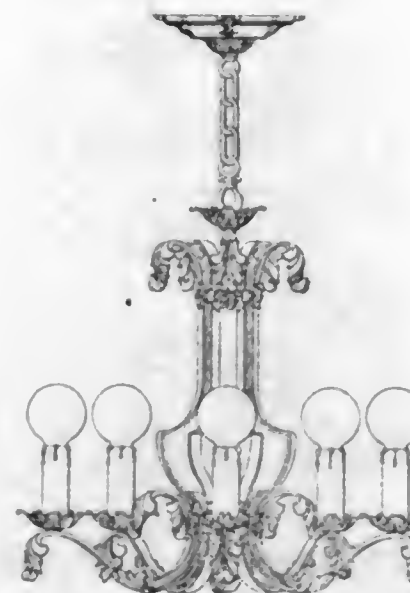
The ornamental design for a statuette, as shown.

65,931. COMBINED LAMP AND SOUND AMPLIFIER. SAMUEL SADLER, San Francisco, Calif. Filed Aug. 5, 1924. Serial No. 10,387. Term of patent 31 years.



The ornamental design for a combined lamp and sound amplifier, as shown.

65,932. ELECTRIC-LIGHT FIXTURE. CARL C. SEVERIN, San Francisco, Calif. Filed Aug. 14, 1924. Serial No. 10,462. Term of patent 7 years.



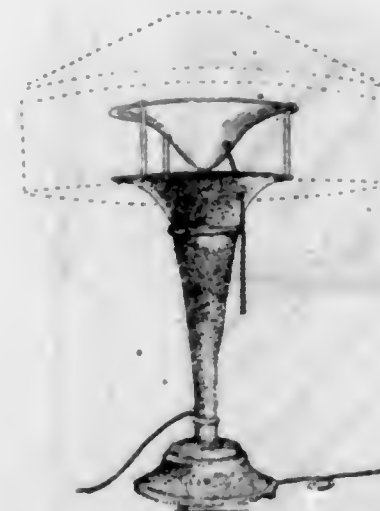
The ornamental design for an electric light fixture, as shown.

65,933. CHOCOLATE-DROP CONFECTION. WALLACE A. SCHALL, Clinton, Iowa. Filed Apr. 26, 1922. Serial No. 1,966. Term of patent 14 years.



The ornamental design for a chocolate drop confection, as shown.

65,934. LAMP STANDARD. JOSEPH HERMINA TIGERMAN, San Francisco, Calif. Filed Aug. 7, 1924. Serial No. 10,400. Term of patent 14 years.



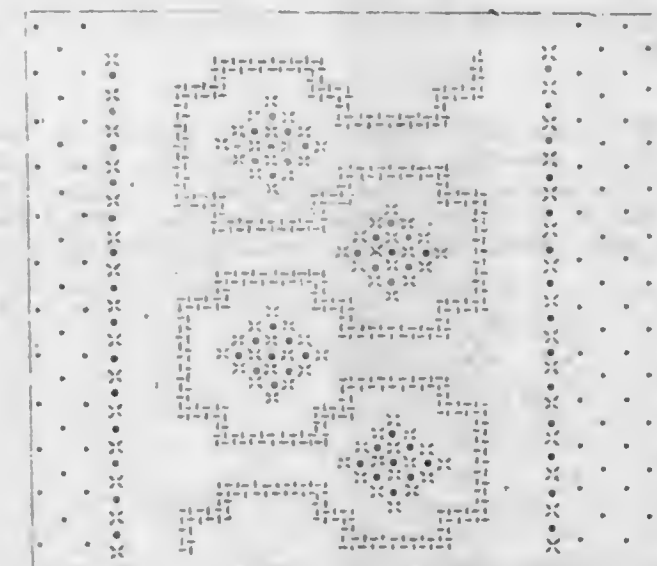
The ornamental design for a lamp standard as shown.

65,935. LAMP. FRANK TORRE, Newark, N. J., assignor to T. & T. Toy Co., New York, N. Y., a firm consisting of Frank Torre and Settimo Fidona. Filed July 22, 1922. Serial No. 3,176. Term of patent 31 years.



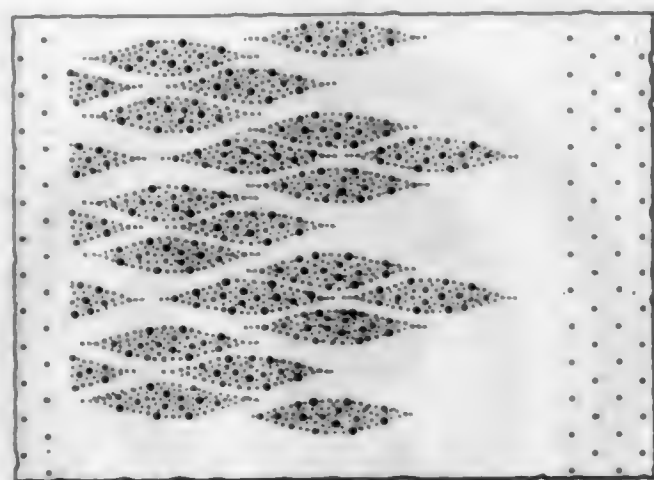
The ornamental design for a lamp, as shown and described.

65,936. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 4,772. Term of patent 31 years.



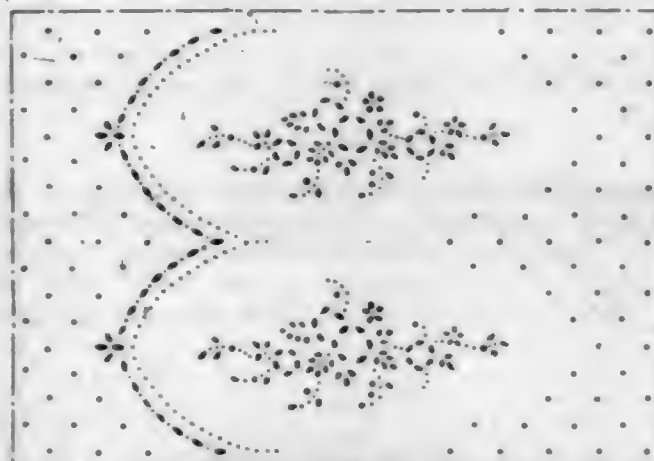
The ornamental design for flocked voile fabric, as shown.

65,937. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 4,773. Term of patent 3½ years.



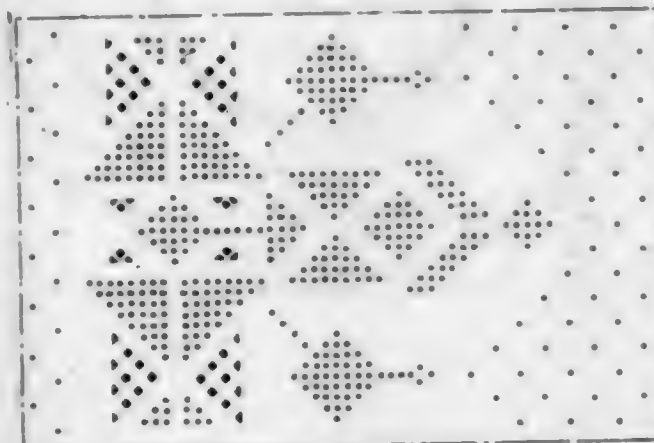
The ornamental design for a flocked voile fabric, as shown.

65,938. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 4,774. Term of patent 3½ years.



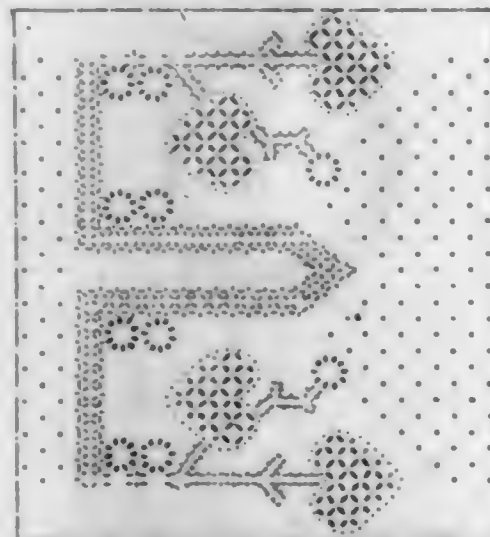
The ornamental design for a flocked voile fabric, as shown.

65,939. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 4,775. Term of patent 3½ years.



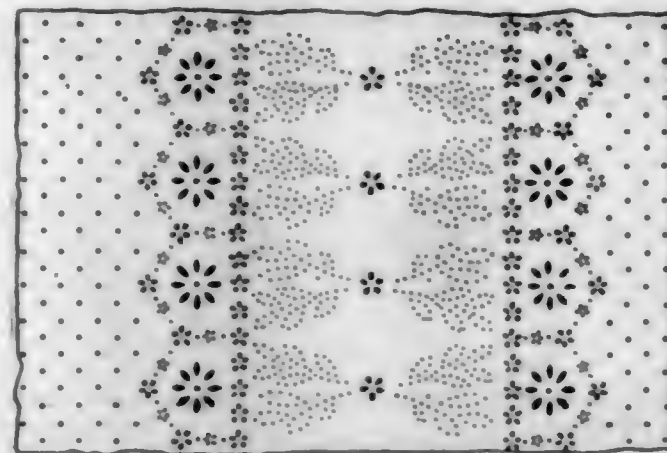
The ornamental design for a flocked voile fabric, as shown.

65,940. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 4,776. Term of patent 3½ years.



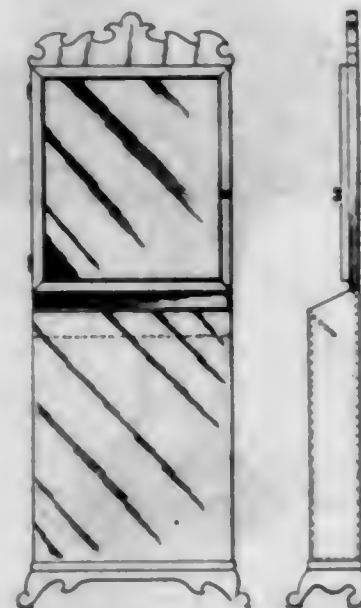
The ornamental design for a flocked voile fabric, as shown.

65,941. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 4,777. Term of patent 3½ years.



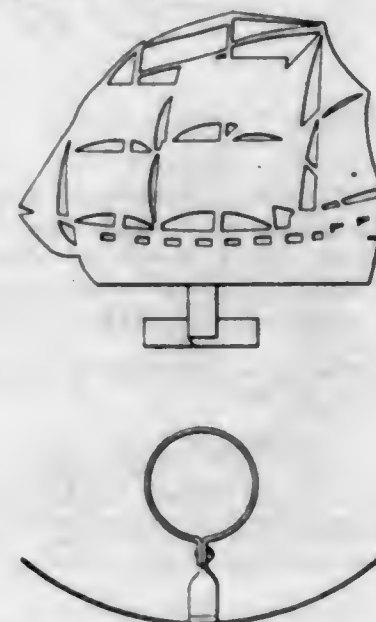
The ornamental design for a flocked voile fabric, as shown.

65,942. BALLOT BOX. HANS WESTRUD, Virginia, Minn. Filed June 2, 1924. Serial No. 9,774. Term of patent 14 years.



The ornamental design for a ballot box as shown.

65,943. LAMP SHADE. RICHARD DACE WHITE, Washington, D. C. Filed Sept. 12, 1924. Serial No. 10,763. Term of patent 3½ years.



The ornamental design for lamp shade as shown and described.

65,944. TOY SAVINGS BANK. ROLLAND H. POTTER, Fairfield, Nebr. Filed Sept. 10, 1924. Serial No. 10,762. Term of patent 7 years.

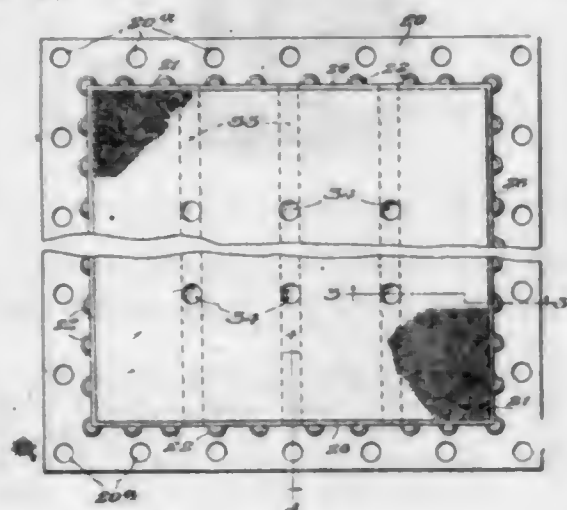


The ornamental design for a toy savings bank, as shown.

PATENTS

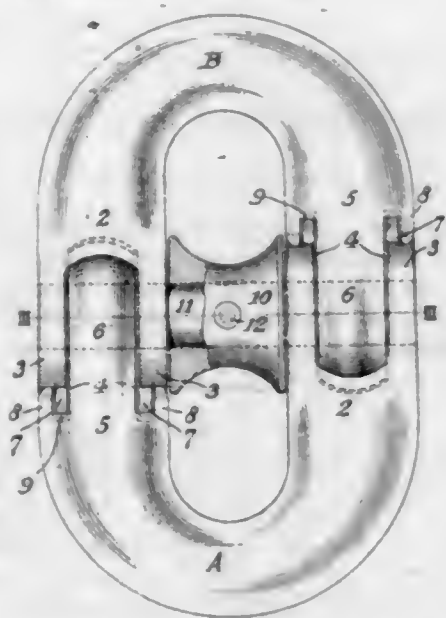
GRANTED NOVEMBER 4, 1924.

1,513,728. ELECTRODE STRUCTURE AND METHOD OF MANUFACTURING SAME. WILLIAM G. ALLAN, Toronto, Ontario, Canada, assignor, by mesne assignments, to John P. Scott, Toronto, Canada. Filed Sept. 2, 1920. Serial No. 407,637. 23 Claims. (Cl. 204-4.)



1. In an electrode structure, the combination, with a substantially plane supporting plate, of metal stud devices mounted at intervals on said plate and projecting substantially perpendicularly and approximately the same distance therefrom, and a metal fabric member marginally held by a weld union to the outer ends of said stud devices.

1,513,729. CHAIN LINK. DAVID ADAMS, Sharon, Pa., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 3, 1922. Serial No. 526,531. 3 Claims. (Cl. 59-85.)



1. In stud links for anchor chains, a link comprising two similarly shaped members and a spacing member, each similarly shaped member having at one end a forwardly extending projection and at the other end a pair of forwardly extending arms, the projection and arms in each member having registering apertures extending therethrough, a key seating in the apertures in the projections and arms, and a spacing member inside the link mounted on said key.

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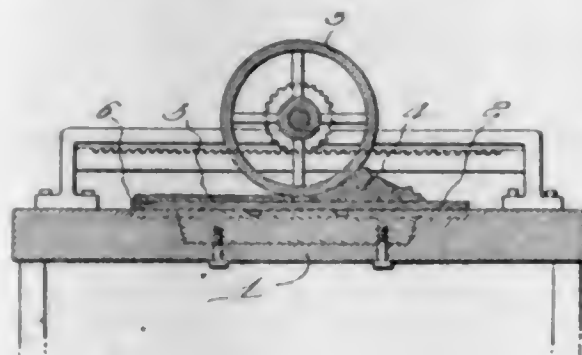
1,513,730. ANESTHETIC COMPOUND. ROGER ADAMS and RUSSELL L. JENKINS, Urbana, and ERNEST H. VOLWILER, Chicago, Ill., assignors to Abbott Laboratories, Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1922. Serial No. 595,834. 3 Claims. (Cl. 260-105.)

1. As a new article of manufacture, a compound having the general formula.



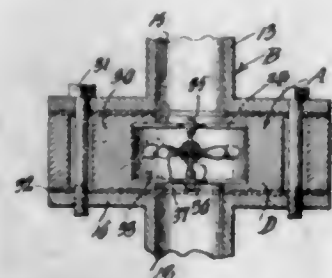
where Ar represents an aryl group containing a benzene nucleus, where x represents at least one, and where R represents a secondary-butyl group.

1,513,731. GLASS-ROLLING PALLET. HARRY F. ANDERSON, Marion, Ind. Filed Feb. 5, 1923. Serial No. 617,129. 4 Claims. (Cl. 49-34.)



4. A pallet upon which glass is rolled into sheet form, having a portion of its surface provided with an anchoring field to which the glass will cling when pressed into engagement therewith during the rolling operation, whereby to prevent the glass from creeping along the pallet during the rolling operation.

1,513,732. VAPORIZER. LYMAN J. BALL, North Syracuse, N. Y., assignor of one-half to Donald H. Oakes, Syracuse, N. Y. Filed June 8, 1923. Serial No. 644,195. 1 Claim. (Cl. 48-180.)



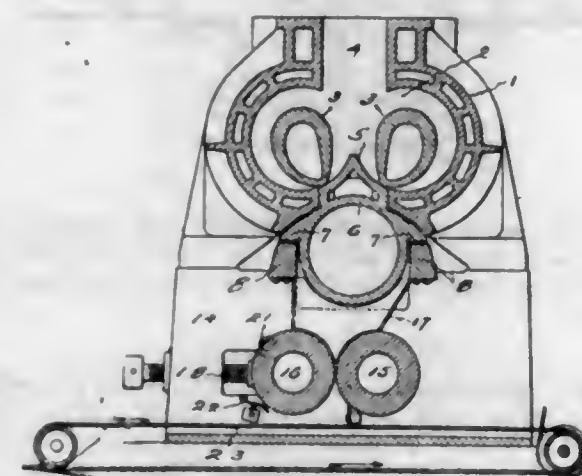
In an attachment for an internal combustion engine, a solid block adapted to be incorporated with the intake pipe of the engine having a longitudinal way therethrough and an enlargement in the way defining a chamber, bracket plates secured to the end walls of the chamber and extending diametrically across the same, aligned bearings adjustably carried by the brackets, and a propeller rotatably mounted in the chamber having its axis disposed in parallel relation to the longitudinal axis of said chamber, and a hot air intake and a cold air intake communicating with the chamber at spaced points.

NOVEMBER 4, 1924

U. S. PATENT OFFICE.

75

1,513,733. MACHINE FOR TREATING AND SHEETING PLASTIC MATERIAL. FERNLEY H. BANBURY, Ansonia, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation of Connecticut. Filed Feb. 15, 1924. Serial No. 693,107. 5 Claims. (Cl. 18-2.)



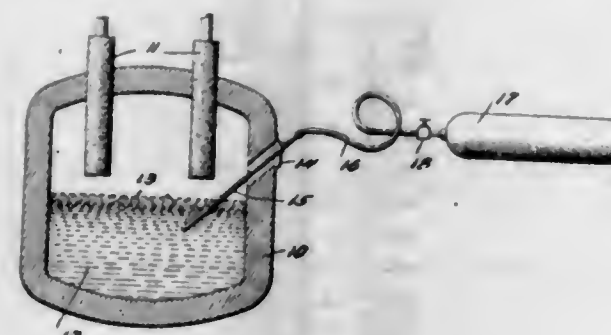
1. In combination with the discharge from a machine for treating plastic material, of cylinders arranged to receive and form into sheets plastic material discharged from the machine, means attached to and extending axially on the periphery of one of said cylinders for serving the mass being sheeted into slabs, and a conveyor adjacent to the cylinders for receiving the severed slabs and conducting them away.

1,513,734. MAGNIFYING MIRROR. RAYMOND H. BEATTY, Bronxville, N. Y., assignor to Frederick F. Ingram Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 24, 1924. Serial No. 688,197. 1 Claim. (Cl. 88-1.)



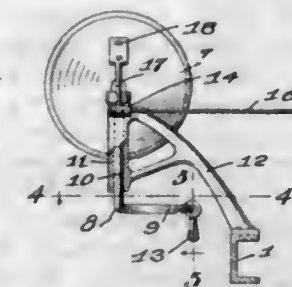
A magnifying mirror comprising a concave mirror, a metal ring provided with a down-turned inner part and an outwardly extending flange, the mirror and ring being of substantially the same diameter, and a celluloid back having its edge turned over the ring flange with the mirror between the ring and back.

1,513,735. METHOD OF MANUFACTURING LOW-CARBON STEELS. HENRY C. BIGGE, Bethlehem, Pa. Filed July 21, 1922. Serial No. 576,597. 4 Claims. (Cl. 75-44.)



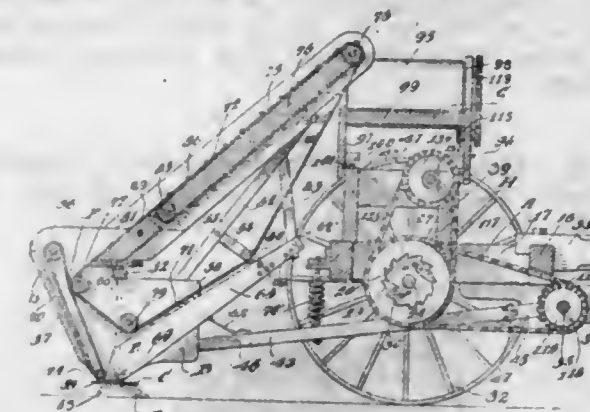
1. The process of manufacturing low-carbon steel which consists in melting a charge, in reducing the carbon content of the molten bath by the injection of the oxygen therein, and then in adding an element to the bath which involves an increase in the carbon content of the metal.

1,513,736. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. LLOYD M. BISEL and WILLIAM I. BISEL, Williamsport, Pa. Filed Sept. 13, 1922. Serial No. 587,985. 1 Claim. (Cl. 240-62.)



Means for turning headlights of an automobile machine comprising brackets mounted upon the frame of the machine and having vertically disposed bearing sleeves projecting outwardly and laterally therefrom, shafts journaled in the sleeves, lamp casings carried at the upper ends of the shafts, arms attached to the top portions of the lamp casings and having their intermediate portions disposed transversely over the upper ends of the shafts, a cross rod operatively connected with the rear ends of the arms, the lower end of one of the shafts having integrally therewith a U-shaped member with its free end portion disposed inwardly under its bracket, a connecting rod between the free end of the U-shaped member and the steering rod of the machine and universal joints between the ends of the connecting rod and the U-shaped member and the steering rod, respectively.

1,513,737. BEET-TOPPING MACHINE. REINHOLD BOHMAN, Bay City, Mich. Filed Dec. 29, 1920. Serial No. 433,907. 7 Claims. (Cl. 55-107.)



1. A beet topping machine comprising a main frame, an axle rotatably carried by the main frame, ground wheels secured to the axle, a counter drive shaft carried by the main frame arranged adjacent to the forward end thereof, means for driving the counter shaft from said axle, a supplemental frame pivotally secured to the counter shaft, beet topping knives carried by the supplemental frame, an elevator arranged in rear of the beet topping knives, and means for operating the beet topping knives and the elevator from said counter shaft.

3. A beet topping machine comprising a main frame, a drive axle carried by the main frame, adjustable ground wheels secured to the axle, a counter shaft carried by the main frame, a laterally and vertically swinging supplemental frame carried by said counter shaft, a pair of rotary disc knives carried by the supplemental frame, an upwardly extending elevator belt arranged in rear of the disc carried by the supplemental frame, a forwardly extending relatively narrow conveyor belt carried by the supplemental frame and arranged in front of and in frictional contact with the first mentioned conveyor belt, a relatively broad conveyor belt arranged intermediate the runs of the second mentioned conveyor belt and in frictional contact with the upper run thereof, means for operating the disc knives and the conveyor belts from said counter shaft, a laterally shiftable conveyor carried

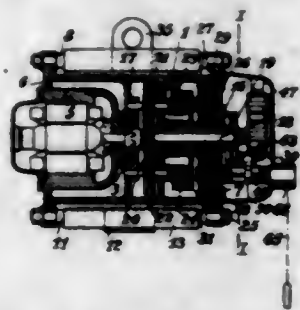
by the main frame and arranged below the second and third mentioned conveyor belts, and means for operating the laterally shiftable conveyor belt from said axle.

4. A beet topping machine comprising a main frame, a laterally and vertically swinging supplemental frame carried by the main frame, beet topping knives carried by the supplemental frame, beet engaging guide shoes arranged below the topping knives and one each side of the meeting faces thereof for centering the knives in relation to the beets being topped, and leaf springs for connecting the guide members to the supplemental frame whereby spreading of the shoes will be permitted.

5. A beet topping machine comprising a main frame, a supplemental frame secured to the main frame for lateral and vertical movement in relation to the direction of travel of the machine, beet topping mechanism carried by the supplemental frame, means carried by the supplemental frame to shift the same laterally to center the beet topping means in relation to the beets being acted upon, a supporting bar adjustably carried by the supplemental frame, means adjustably carried by the bar for raising the frame in relation to the beets being acted upon, a forwardly extending conveyor for receiving the beet tops, and means for raising and lowering the conveyor.

6. A beet topping machine comprising a main frame, a supplemental frame disposed in rear of the main frame including a pair of longitudinally extending side bars pivotally secured to the main frame, and a second frame forming a part of said supplemental frame hingedly secured to longitudinally extending side bars, each of the longitudinally extending side bars including hingedly connected sections, a pair of rotatable shafts carried by the second frame, a disc secured to each one of said shafts having the sharpened peripheral cutting edge, means connecting the shafts together for synchronous movement, guide shoes carried by the supplemental frame below said discs, a gauge knife arranged above and intermediate the knives carried by the second frame, the side edges of the knives being sharpened, and means for rotating said shafts.

1,513,738. ELECTRIC HOISTING DEVICE. BERNHARD BOMBON, Berlin, Germany. Filed Apr. 17, 1922. Serial No. 554,103. 7 Claims. (Cl. 254-168.)

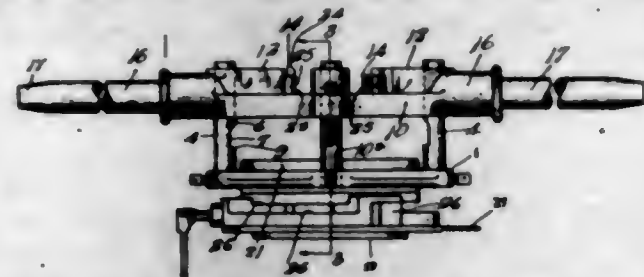


1. Electric hoisting device comprising in combination, a hoisting drum, an electromotor located partly within said drum, a partition extending across said drum, a spindle mounted in said partition, a toothed wheel mounted on said spindle, a motor pinion in gear with said toothed wheel, an internally toothed rim formed in said drum and gearing between said wheel and said rim for transmitting onto said rim both the rotation of said wheel about its own axis and its revolution about the drum axis.

1,513,739. PIPE-THREADING MACHINE. BRADFORD BORDEN, Toronto, Ontario, Canada. Filed July 1, 1921. Serial No. 481,850. 8 Claims. (Cl. 10-120.5.)

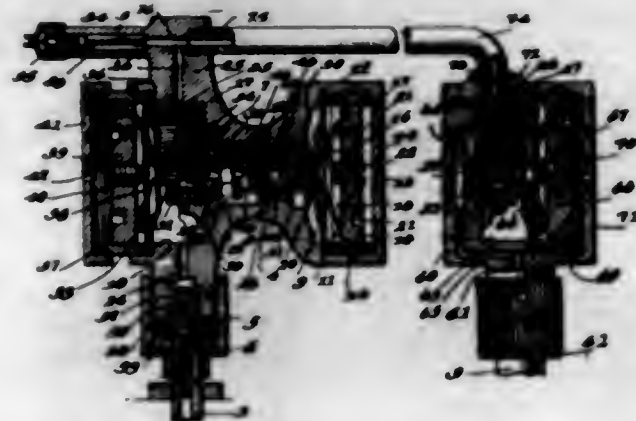
1. The combination in a pipe threading machine, of a work holder, a frame rotatably mounted on said work holder, posts extending from said frame parallel with the axis of the work and having inwardly tapered faces terminating in die receiving recesses, a die stock carried by said posts and adapted for sliding movement thereon,

toothed dies carried by said die stock being radially movable to engage the work, and the teeth of said dies engaging with the work during rotation of said frame for



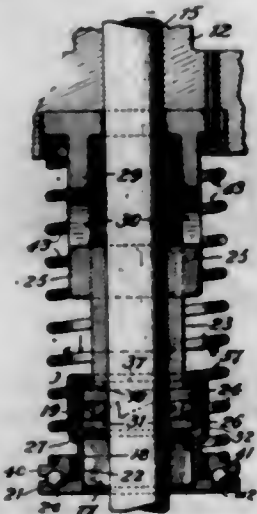
moving the same in the direction of said support, the pitch of said die teeth causing the dies to recede from the work and lodge in said recesses when the same are reached.

1,513,740. COMBINED AUTOMATIC AIR-PRESSURE EQUALIZER, LOW-PRESSURE ALARM, AND AUTOMATIC CUT-OFF FOR PLURAL PNEUMATIC TIRES. WALTER HENRY BROWN, Pasadena, Calif. Filed July 13, 1923. Serial No. 651,342. 7 Claims. (Cl. 152-12.)



1. An attachment for the valve stems of plural tires comprising fluid conducting means attachable to the tire stems to establish communication therebetween, and means controlling communication between the tire stems adapted to act automatically to close communication through said fluid conducting means when the pressure within the tire stems is lowered to a definite pressure.

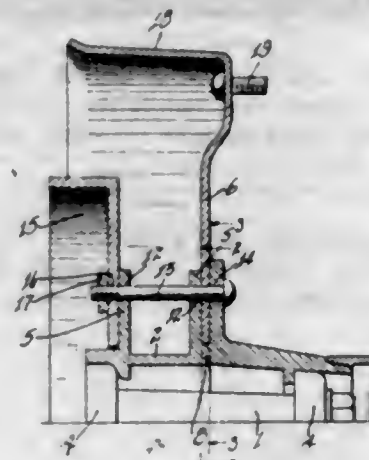
1,513,741. VALVE ROTATOR. WILMER G. BUCK, Fremont, Nebr., assignor to Continental Engineering Corporation, Omaha, Nebr., a Corporation of Nebraska. Filed May 25, 1920. Serial No. 384,177. 20 Claims. (Cl. 123-90.)



7. The combination with a valve adapted to have opening and closing movements, means for otherwise moving the valve comprising a member affixed to the valve stem, a second member loosely mounted on the valve stem,

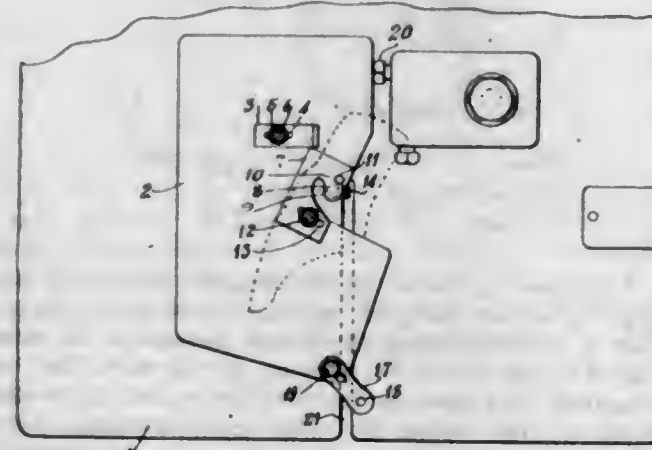
means for longitudinally shifting the loosely mounted member with respect to the affixed member during the opening and closing movements of the valve to frictionally lock and subsequently release the members to the valve to effect a rotation of the valve during the cycle of movements thereof.

1,513,742. DISK WHEEL. ALBERT JOHN CHARLTON, Lowden, Iowa. Filed Dec. 20, 1923. Serial No. 681,840. 3 Claims. (Cl. 301-63.)



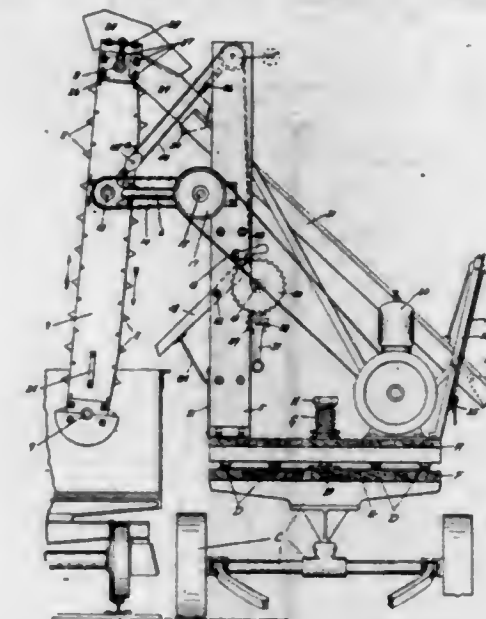
2. A disk wheel of the type described comprising a hub member having a pair of radially extending flanges, a disk having a rim member at the outer peripheral edge thereof and a central opening, said disk and said hub member having interlocking portions, whereby said disk may not rotate relative to said hub member when placed thereupon, a brake drum arranged to be mounted at the opposite end of said hub member, and means for locking said brake drum against movement relative to the remaining flange, whereby said disk, brake drum, and said hub member may form a single unit.

1,513,743. MECHANISM FOR FORMING HINGES OF LASTS FOR SHOES. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed June 6, 1923, Serial No. 643,009. Divided and this application filed Mar. 17, 1924. Serial No. 699,681. 8 Claims. (Cl. 143-171.)



1. In a machine for forming a hinge, a supporting plate, a finger, a pivot beneath said finger on which said plate moves, said plate having a semi-circular cut-away portion entering said plate adjacent the finger, forming a recess, a supporting pin on one side of said cut-away portion, and a second supporting finger on the other side of said portion.

1,513,744. UNLOADING AND EXCAVATING MACHINE. LINCOLN H. CLEMENTS, Clements, Minn. Filed Mar. 12, 1923. Serial No. 624,450. 2 Claims. (Cl. 198-85.)



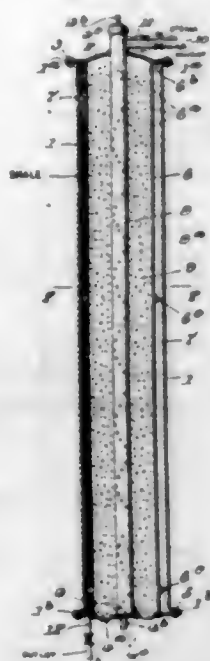
2. The combination in a machine of the class described, of a conveyor adapted to carry material from a car to a higher elevation, an inclined chute arranged with its upper end to receive such material from the conveyor, an inclined return chute arranged to receive spilled material and return it back to the car, and means for vertically adjusting the delivery end of the return chute.

1,513,745. PROCESS OF PREPARING MINERAL WAX. DAVID T. DAY, Washington, D. C. Filed Jan. 15, 1921. Serial No. 437,418. 8 Claims. (Cl. 196-14.)



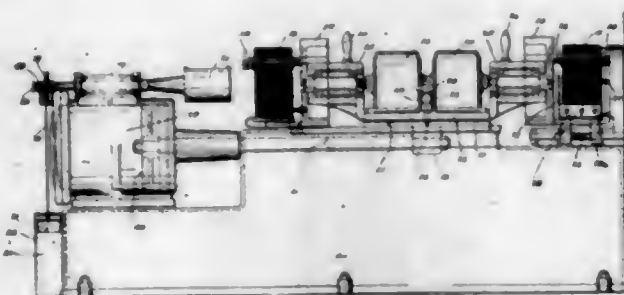
1. The process of extracting paraffin-like wax materials from hydrocarbon oil bearing shale which process comprises immersing the shale in a bath of a boiling solvent material characterized by its ability to substantially completely separate from the paraffin-like material when the latter cools, and is thereafter immediately reusable on fresh shale, extracting the waxy material by the solvent action alone, separating the solvent and extracted material from the shale, and separating the solvent from the extracted material by cooling the mixture to a point below the solidifying temperature of the wax.

1,513,746. FUEL AND PROCESS OF PREPARING THE SAME. DAVID T. DAY, Washington, D. C. Original application filed Jan. 15, 1921. Serial No. 437,418. Divided and this application filed Mar. 2, 1922. Serial No. 540,548. 8 Claims. (Cl. 44-1.)



1. The fuel product resulting from the treatment with hot alcohol of a mineral containing paraffin wax and resin.

1,513,747. ROTARY CASTING. DIMITRI SENSAUD DE LAVAUD, New York, N. Y. Filed Aug. 27, 1920. Serial No. 406,520. 32 Claims. (Cl. 22-65.)

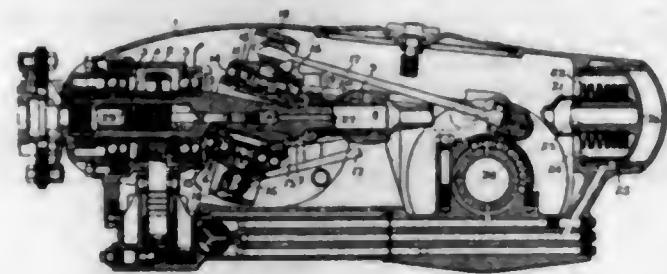


1. In a centrifugal casting machine of the type including a rotor and a plurality of separate mould-elements of the same external diameter to be detachably carried by the rotor with such elements arranged in series on the rotor during the casting operation, the combination with the rotor of a supporting means for the elements including a plurality of circumferentially spaced aligning supports, each support including a member reversely bent into two subdivisions, one of which subdivisions is fixed to the rotor at the end of such subdivision opposite the bend, each member extending substantially parallel to the axis of the rotor with one subdivision of each member opposite the other in a radial direction axially of the rotor.

1,513,748. VARIABLE-SPEED TRANSMISSION. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed Jan. 21, 1924. Serial No. 687,639. 5 Claims. (Cl. 74-53.)

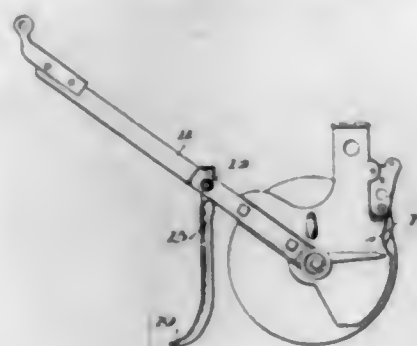
1. In a variable speed transmission, the combination with the driving and driven shafts and an oscillating member rotatable with the driving shaft and movable longitudinally and operatively connected with the driven

shaft, of a slidable member pivotally connected to the oscillatable member, a flexible resisting member engaging said slidable member, cams on the driving shaft engaging



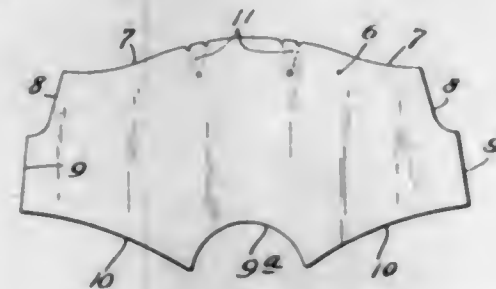
the oscillatable member, and a flexible resisting member operatively engaging the oscillating member to oppose the reaction of the aforesaid resisting member.

1,513,749. WEEDER ATTACHMENT FOR SEEDERS. EARL R. DODD, Portland, Oreg. Filed Mar. 17, 1923. Serial No. 625,843. 1 Claim. (Cl. 97-194.)



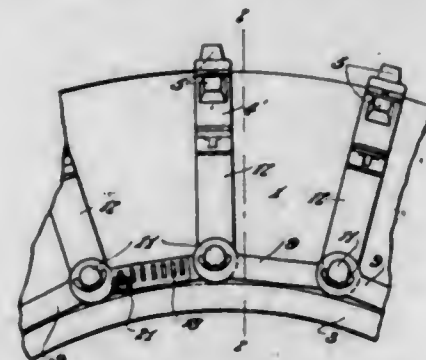
In combination with a seeder having a draw bar, a weeder attachment therefor having pivotal connection with said draw bar forwardly of the seeder, provided with a pair of depending flines having lower widened and forwardly curved soil entering ends and having a portion engageable with the draw bar to normally hold the attachment upright in use.

1,513,750. BLOOMERS. BERNARD DOLAN, Minneapolis, Minn., assignor to Wyman, Partridge & Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 9, 1922. Serial No. 567,175. 2 Claims. (Cl. 2-224.)



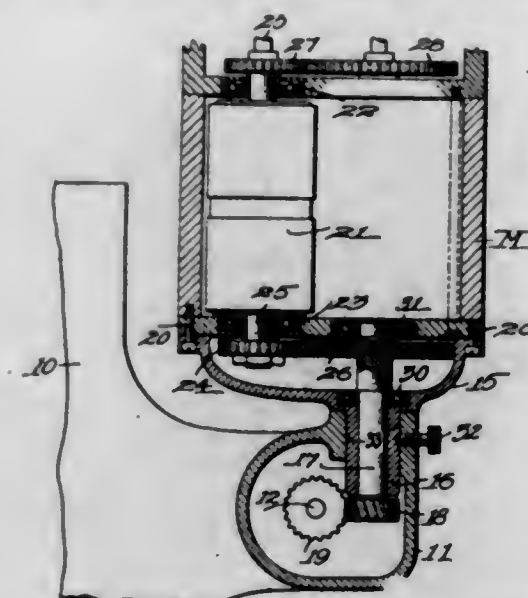
1. A woman's garment of the bloomer type made from a single piece of material having in its lower central portion a crotch-forming notch and formed on its waist line with a convex curve merging at its ends into concave curves, said piece at its ends having straight edges stitched to the edges of said crotch-forming notch, and above said straight edges having concave curves joining straight edges extended to the ends of the waist line of the garment, said latter noted curved and straight edges of the opposite sides of the piece being stitched together to form the front seam of the garment, the said garment-forming piece at its transverse central portion measured from its crotch-forming notch to the waist line edge being materially wider than the end portions of said garment-forming piece, whereby the garment is given increased fullness of the seat.

1,513,751. NONSKID DEVICE. DANIEL M. DRISCOLL, Greenfield, Mass. Filed July 29, 1922. Serial No. 578,424. 10 Claims. (Cl. 152-14.)



3. In a device for the purpose described, the combination of a series of laterally assembled links, means including openings and projections thereon for detachably connecting the same, a series of circumferentially arranged links having openings in their ends designed to register with each other when placed in overlapping positions and a series of links interposed between the first mentioned series and the circumferentially arranged overlapping series, the interposed links having hooks at one of their ends for engaging the registering openings in the circumferentially arranged links and laterally arranged outwardly projecting bar portions at their opposite ends for engaging the openings in the ends of the laterally arranged series of assembled links that are adjacent the series of the interposed links.

1,513,752. MAGNETO SUPPORT AND DRIVE. JOSEPH C. TOWLER, Shrewsbury, Mass. Filed Jan. 13, 1923. Serial No. 612,541. 6 Claims. (Cl. 123-149.)

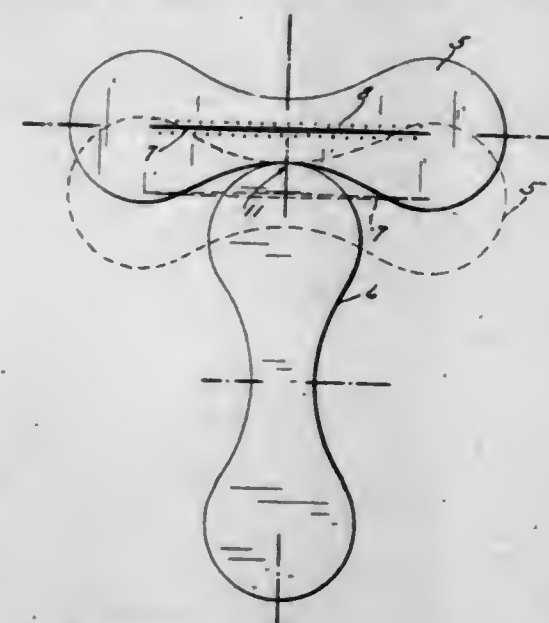


1. In a motor driven vehicle, in combination, a casing, a magneto, an armature shaft rotatably mounted in said magneto, a support for said magneto, a transmission shaft mounted in said support, said support having an outwardly extending cylindrical bearing hub for said transmission shaft and said casing having a cylindrical recess to receive said hub, means to secure said hub in said recess, a drive shaft in said casing, positive driving connections between said drive shaft and said transmission shaft, and positive driving connections between said transmission shaft and said armature shaft.

1,513,753. PLAYGROUND BALL AND PROCESS OF PRODUCING THE SAME. WILLIAM H. FOX, Minneapolis, Minn. Filed Nov. 23, 1923. Serial No. 676,562. 8 Claims. (Cl. 46-4.)

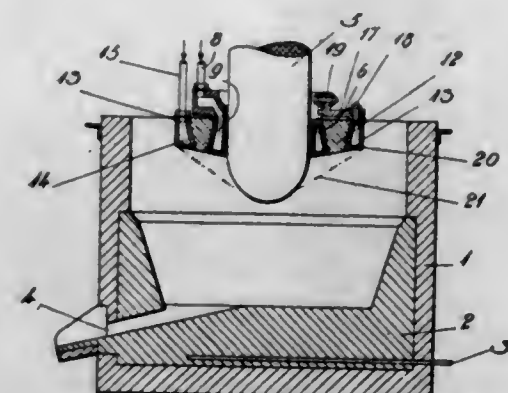
1. The process of forming a cover for a playground ball which consists in providing sections which when

connected form a sphere, forming a slot in one of said sections, overlapping the edge portions of said sections and connecting the same with stitches, and inserting



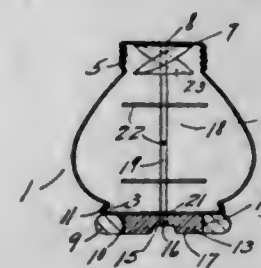
said cover through the slot to turn the same inside out and bring said stitches and the free edge portions of said sections on the inside of the cover.

1,513,754. ELECTRIC FURNACE. EUGEN ASSAR ALEXIS GRÖNWALL, Stockholm, Sweden. Filed Sept. 28, 1921. Serial No. 503,791. 2 Claims. (Cl. 204-64.)



1. In an electric furnace of the open type, an electrode suspended therein, a cooling jacket comprising a pair of concentric rings surrounding said electrode, a refractory nonconductive material disposed between said rings, and means connecting said rings together.

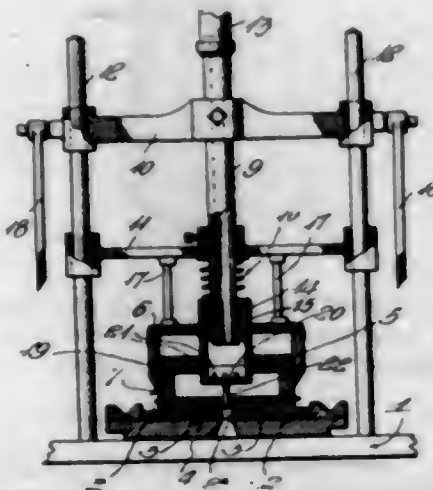
1,513,755. SALT-SERVING DEVICE. MARTIN L. GULDEN, Bolling Springs, Pa. Filed Feb. 16, 1924. Serial No. 693,173. 2 Claims. (Cl. 65-57.)



1. A salt shaker, comprising a body, having a turned-in flange and a threaded neck; a perforated cover, having a special-sized hole pierced therein, engaging the threaded neck; a primary bottom, having a threaded hole in its center; a round flange, secured to the primary bot-

tom, engaging the turned-in flange, embedded in the body; a secondary bottom, having a square hole pierced therein and a concaved side; threads, cut in the periphery of the said secondary bottom to engage the threaded hole in the primary bottom; lugs, formed on the concaved side of the secondary bottom; and a feeding and granulating device, engaging the square hole of the secondary bottom and the special-sized hole of the perforated top.

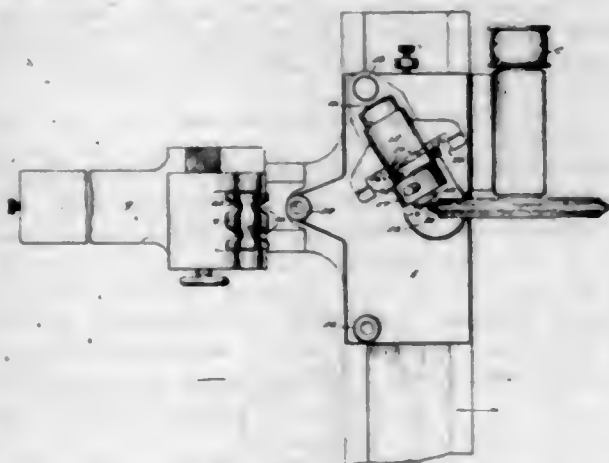
1,513,756. GLASS BLOWING AND TRIMMING MACHINE. RAYMOND F. HANCOCK, Marion, Ind., assignor to James Boyce, Gibson, Mich., and Harry F. Anderson, Marion, Ind. Filed Jan. 29, 1923. Serial No. 615,621. 11 Claims. (Cl. 49-6.)



1. A machine of the class described comprising a die for supporting a pliable sheet, a blow-head for application to the sheet to force it into conformity with the die, and an edge trimmer for the sheet surrounding said blow-head.

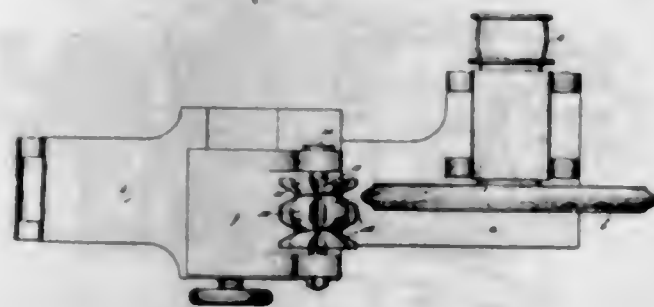
8. In a machine of the class described, the combination of a die for supporting a pliable sheet, and a blow-head for application to the sheet to force it into conformity with the die, said blow-head being provided with a fluid pressure supply, a recess opposite a portion of said sheet and said die, and orifices leading from said fluid pressure supply to said recess, said orifices discharging toward a wall of said blow-head.

1,513,757. SHAPING MECHANISM FOR GRINDING WHEELS. HENRY M. W. HANSON, Hartford, Conn. Filed Oct. 23, 1920. Serial No. 419,119. 11 Claims. (Cl. 125-11.)



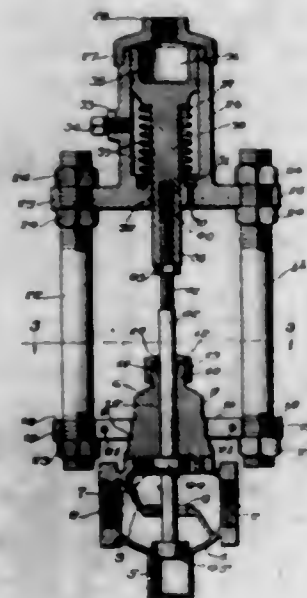
1. In a device for shaping the active edge of a grinding wheel, an indexible member, means for oscillating it in its indexed positions, means for limiting the extent of oscillatory movement of said member in its indexed positions, a tool holder carried by said member, and means for positioning said holder at like distance from and at either side of a predetermined center on said member.

1,513,758. SHAPER FOR GRINDING WHEELS. HENRY M. W. HANSON, Hartford, Conn. Filed Oct. 23, 1920. Serial No. 419,120. 4 Claims. (Cl. 125-37.)



1. In an apparatus of the character described, a rotary grinding wheel fixed against axial movement, a support, a shaft mounted therein in parallelism with the axis of said wheel, and a longitudinally fluted roller on said shaft and having a circumferential groove corresponding to the cut to be taken by said wheel, said roller having free axial movement whereby it may freely float longitudinally to accommodate itself in proper relation to said wheel.

1,513,759. AUTOMATIC FEED-WATER REGULATOR. SAMUEL L. MARPLE, Philadelphia, Pa. Filed July 11, 1923. Serial No. 650,923. 3 Claims. (Cl. 137-153.)

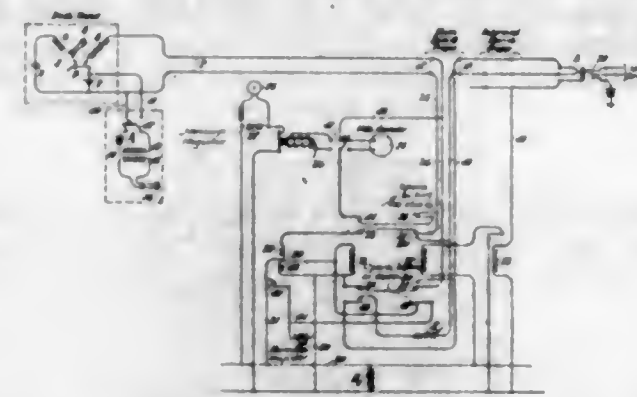


1. A regulator of the class described comprising a casing having a seat, a support carried by the casing, rods carried by said support, a cylinder carried by said rods and having one end partly closed, a piston in said cylinder and having a stem, a valve carried by said stem and adapted for contacting with said seat, and a coil spring housed entirely within said cylinder and confined between said piston and said partly closed end of the cylinder, the connection of said cylinder with said rods being adjustable whereby the position of said cylinder with respect to said piston and the spring in said cylinder may be varied, for varying the tension of the spring.

1,513,760. FOREIGN-POTENTIAL-DETECTING DEVICE. WILLIAM H. MARTIN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 5, 1921. Serial No. 435,150. 7 Claims. (Cl. 179-175.)

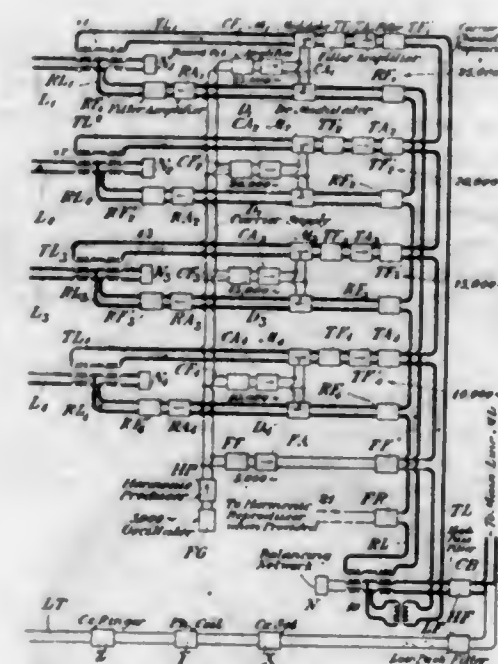
1. In a signaling system, the combination with a telephone subscriber's line of a source of foreign po-

tential having means to impress it across the said line only when the said subscriber's line is in operating con-



dition, a telephone switchboard and means to automatically show the presence of such foreign potential and to effectively connect said line to said switchboard.

1,513,761. HIGH-FREQUENCY COMPOSITE SET. HAROLD S. OSBORNE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 3, 1919. Serial No. 301,433. 24 Claims. (Cl. 179-15.)

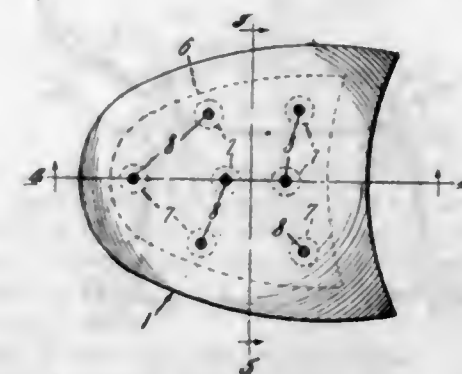


1. In a transmission system, a main transmission line adapted to transmit both low frequency currents of an order lower than the upper limiting frequency employed in ordinary telephonic transmission and high frequency currents having frequencies of the order used in carrier transmission, branches leading from said line, one branch being adapted to transmit said low frequency currents and the other branch being adapted to transmit said carrier frequencies, means in the former branch to substantially exclude carrier frequencies while transmitting with substantially uniform attenuation a range of said low frequency currents, and means in the latter branch to substantially exclude said low frequencies while transmitting with substantially uniform attenuation a range of carrier frequencies.

1,513,762. RUBBER-HEEL REINFORCEMENT. ANDREW J. QUIST, Mount Jewett, Pa. Filed Aug. 19, 1921. Serial No. 493,632. 1 Claim. (Cl. 36-35.)

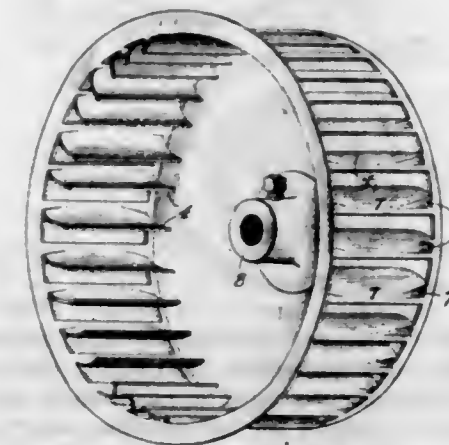
A rubber heel having an outer surface which is convex longitudinally of the heel and transversely of the heel, the inner surface of the heel being concaved longi-

tudinally of the heel and transversely of the heel; a flexible textile insert completely housed within the heel and conforming to the convexity and the concavity of the heel, the insert conforming in peripheral outline to the peripheral outline of the heel, the insert being located



approximately midway between the outer surface of the heel and the inner surface of the heel; and washers mounted on the insert, the washers being completely housed within the heel, and the heel having openings leading to the washers.

1,513,763. FAN WHEEL AND METHOD OF MAKING SAME. WILLIAM A. ROWE, Detroit, Mich., assignor to American Blower Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 17, 1922. Serial No. 544,477. 2 Claims. (Cl. 230-11.)

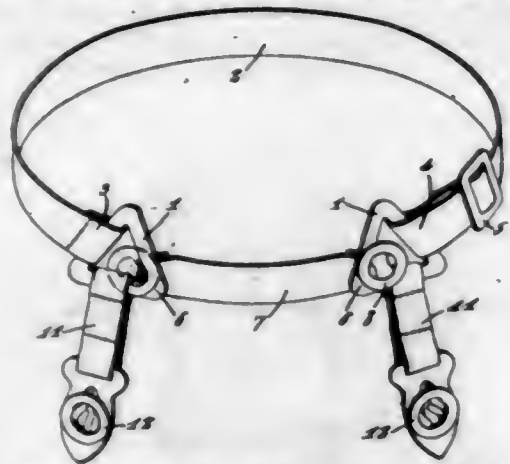


1. A fan wheel member including a rim part constructed of sheet metal and provided with a series of transverse slits intermediate its edges and a series of short parallel longitudinal slits extending from the ends of the transverse slits to points intermediate the same, the portions of the rim bounded by said slits being bent therefrom out of the curve of the rim, providing curved blade portions, and the intermediate parts of the rim directly back of the ends of the longitudinal slits between the lines of said slits being bent centrally of their ends and at their forward portions out of the curve of the rim in the direction of the bend of the first mentioned blade portions and having end portions extending at an inclination transversely of the wheel at the ends of the first mentioned blade portions, said last mentioned end portions constituting stiffening means.

1,513,764. GARTER. JOHN C. SANDERS, Harrisburg, Pa. Filed Mar. 11, 1921. Serial No. 451,443. 2 Claims. (Cl. 241-6.)

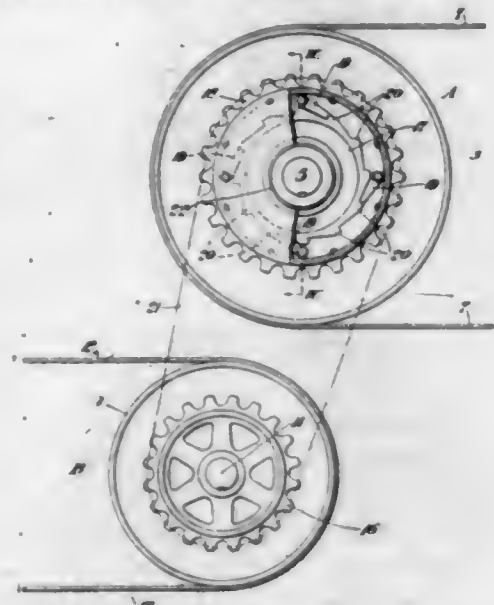
1. A garter comprising triangular eyes of equilateral triangular form, and including inner bars, outer bars and bottom bars of equal length, the bottom bars and

the outer bars defining angles, a body having its ends connected to the inner bars, hose-supporting means



mounted on the lower bar of one eye, and a connector provided at its ends with holding elements lodged in said angles of the eyes.

1,513,765. SPEED-EQUALIZING MECHANISM. FRANK E. SMITH, Scottsdale, Pa. Filed Dec. 22, 1923. Serial No. 682,292. 2 Claims. (Cl. 198-76.)



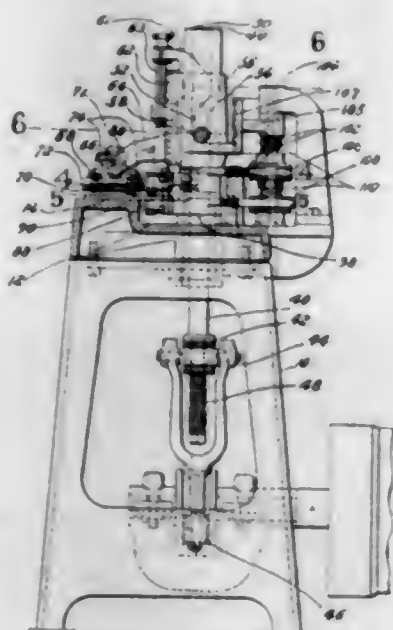
1. In a belt conveyer system having independently driven feeding and receiving conveyers, each of said conveyers being provided with a head shaft and a tail shaft, mechanical means for interlocking said conveyers to prevent the feeding conveyer from traveling faster than the receiving conveyer, said means comprising a sprocket secured to the tail shaft of said receiving conveyer, a second sprocket loosely mounted for normal free rotation on the head shaft of said feeding conveyer, a drive chain connecting said sprockets, and means for automatically forming a driving connection between the head shaft of said feeding conveyer and said second named sprocket when said feeding conveyer travels at a greater speed than said receiving conveyer.

1,513,766. BULLET-PROOF ARMOR. BERNARD SPOONER, Brooklyn, N. Y., assignor to American Armor Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 27, 1924. Serial No. 702,213. 6 Claims. (Cl. 89-36.)



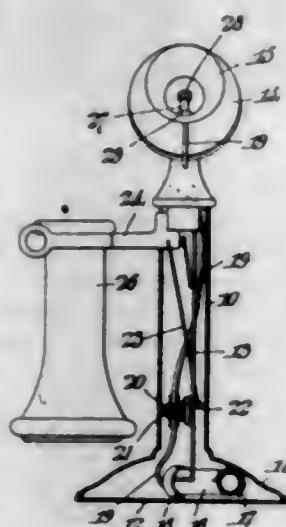
1. A bullet-proof armor comprising a plurality of textile fabric pockets arranged in overlapping relation, a resilient strip of steel in each pocket, a sheet of cork disposed in intimate relation over each steel strip, and a cushion backing against which all of said pockets make contact.

1,513,767. HEEL-ASSEMBLING MACHINE. JOHN F. STANDISH, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 26, 1920. Serial No. 399,002. 32 Claims. (Cl. 12-50.)



1. A heel assembling machine having, in combination, a movable carrier adapted to occupy horizontally separated lift receiving and discharge stations, said carrier comprising a pointed member, means for assembling lifts by moving them laterally into a position beneath the carrier at the receiving station, means for causing relative movement between the carrier and the first-mentioned means to impale the lift assembly upon the pointed member, and means for moving the carrier with the impaled lift assembly to the discharge station.

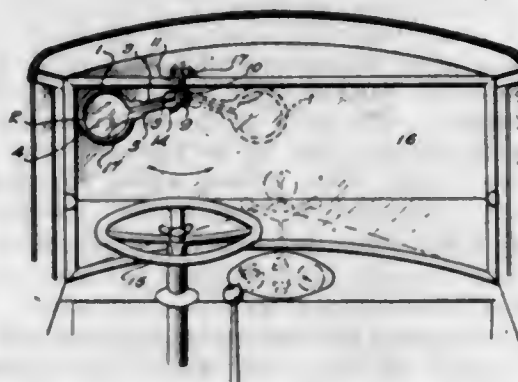
1,513,768. TELEPHONE-DISINFECTING DEVICE. WESTON H. STOWELL, Mamaroneck, N. Y., assignor to Nathan Strauss, Mamaroneck, N. Y. Filed Nov. 1, 1923. Serial No. 672,138. 1 Claim. (Cl. 179-185.)



In a desk telephone a hollow base, a hollow standard, and a movable receiver supporting hook; a container for disinfectant fluid under pressure; means including spring clips in said base for receiving said container; a tube leading from said container, interiorly of said standard and terminating in a nozzle located in the mouthpiece thereof, the said tube being provided, intermediate its length, with an enlarged casing; a circular ported plug

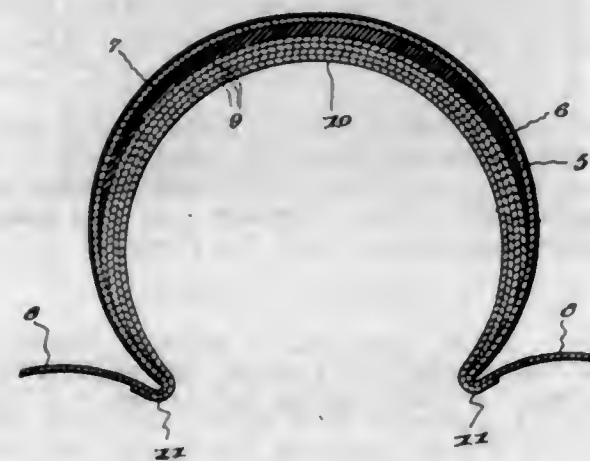
adapted for oscillation in said casing; an arm connected to said plug and extending exteriorly of said casing; a link connecting said arm with the movable hook of said telephone whereby when said hook is moved, the port in said plug is adapted to register momentarily with the bore of said tube to permit of the flow of disinfectant from the container to the outlet nozzle.

1,513,769. ATTACHMENT FOR MOTOR VEHICLES. FRANK J. SULLIVAN, Oshkosh, Wis. Filed Oct. 16, 1923. Serial No. 668,954. 5 Claims. (Cl. 296-97.)



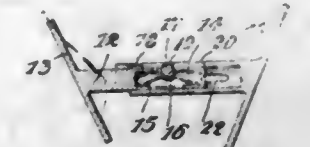
1. A combined mirror and glare shield comprising a partially transparent mirror, and a light diffusing member arranged in the rear of said mirror.

1,513,770. TIRE BOOT. DAVID E. SWARTZ, Chicago, Ill., assignor to Swartz Brothers, Chicago, Ill., a Copartnership composed of David E. Swartz, Frederick J. Swartz, Albert J. Swartz, and John J. Swartz. Filed Oct. 21, 1922. Serial No. 596,039. 2 Claims. (Cl. 152-24.)



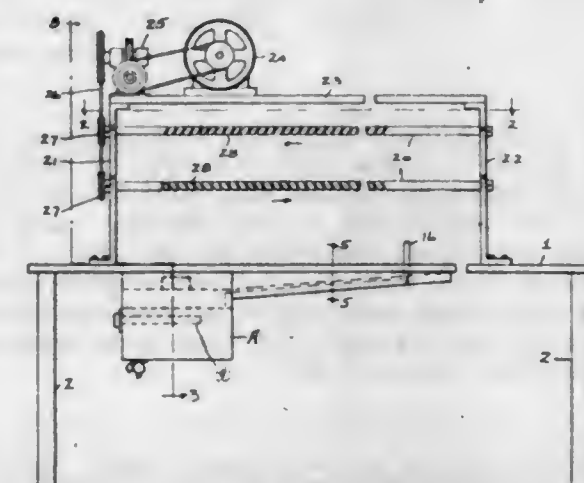
1. A tire repair boot comprising a body having a plurality of laminations of different widths, a tread portion of rubber attached to the outer lamination of the body and being narrower than the same, a covering extending over the rubber tread portion and being substantially wider than the tread portion, said cover being secured to the longitudinal edge portions of all the laminations of said body and having its own longitudinal edge portions extending beyond said laminations and outwardly to form attach flaps, and a lining attached to the innermost lamination of the body and having its edge portions extended outwardly and beyond the edges of said laminations and attached to said flaps to strengthen the same and to hold the laminations constituting said body firmly in place.

1,513,771. CUFF LINK. JOSEPH TANNENBAUM, New York, N. Y., assignor to Anna Davis, New York, N. Y. Filed July 19, 1923. Serial No. 652,466. 8 Claims. (Cl. 24-102.)



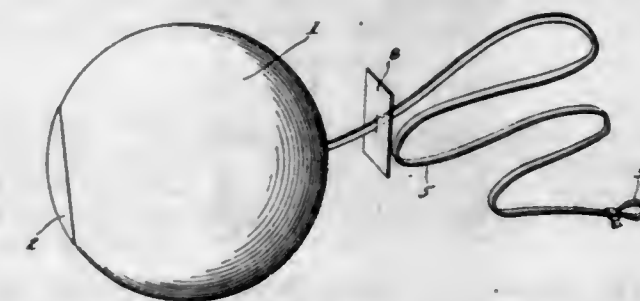
1. In a cuff-link, in combination, two telescopic shanks, a head carried by the outwardly extended portion of each shank and movable ball means whereby the two shanks may be locked in a predetermined position with respect to each other.

1,513,772. CONFECTION-MAKING APPARATUS. CHARLES B. TELLING, Cleveland, Ohio. Filed Feb. 7, 1922. Serial No. 534,822. 6 Claims. (Cl. 91-4.)



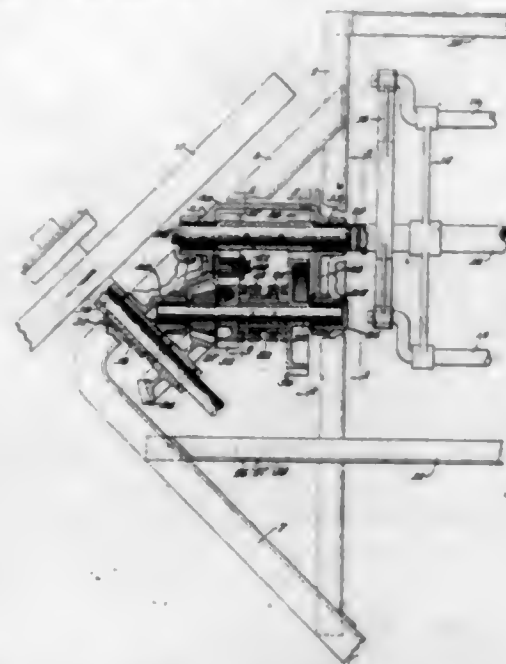
1. In apparatus of the character described, the combination of a dipping tank, and a pair of screw-threaded shafts located above and extending to one side of said tank, said shafts rotating in such directions having regard to the thread thereon as to move hooks suspended therefrom respectively in opposite directions longitudinally of said shafts.

1,513,773. RETURN BALL. STODER THOMPSON, Cleveland Heights, Ohio. Filed Jan. 9, 1922. Serial No. 528,039. 1 Claim. (Cl. 46-50.)



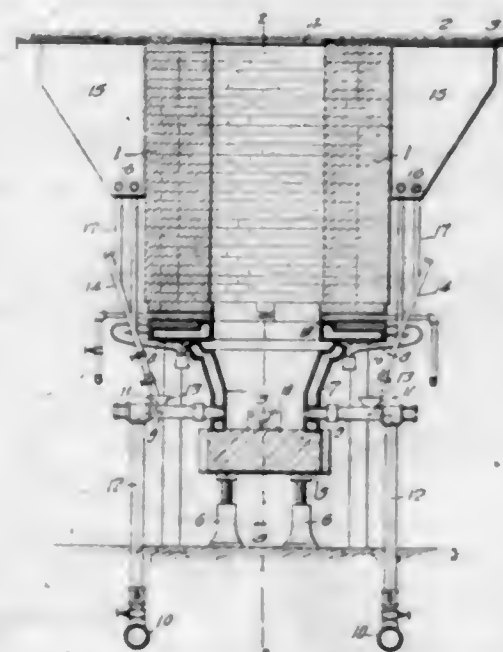
A container for confections and the like, comprising a light resilient hollow spherical ball of substantial capacity and being provided with an opening, a frangible closure therefor, and an elastic line attached to said ball at a point opposite said opening, said device serving as a shipping and dispensing container and still serving as a toy return ball after removal of its contents.

1,513,774. SIDE-DELIVERY RAKE. HARRY R. TRAP-HAGEN, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 28, 1922. Serial No. 547,508. 10 Claims. (Cl. 56-377.)



1. In a side delivery rake, the combination of supporting wheels, an axle carried thereby, a frame on the axle, a diagonally disposed reel shaft, a reel driving shaft at the forward end of and concentric with said reel shaft, a universal connection between the reel driving shaft and the reel shaft, a counter-shaft parallel with the reel driving shaft, gearing between said counter-shaft and reel driving shaft, and bevel gears connecting said counter-shaft and axle.

1,513,775. PROCESS OF TREATING ORES. WILLIAM GEORGE WARING, Webb City, Mo. Filed Dec. 26, 1922. Serial No. 609,048. 3 Claims. (Cl. 266-28.)



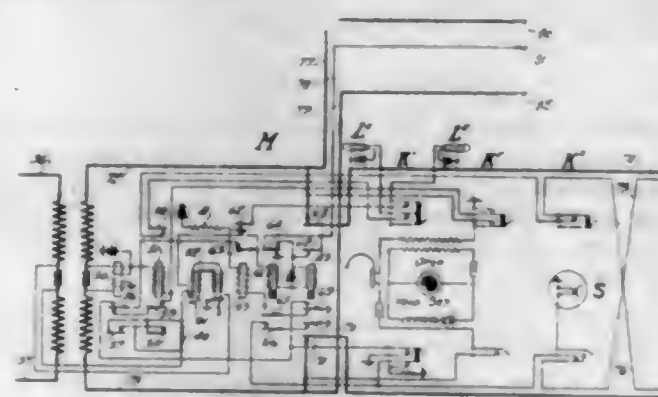
1. The process of treating complex refractory ores containing relatively volatile and relatively non-volatile metals as well as sulfur which comprises establishing and maintaining a relatively low charge of ore, flux and fuel at a temperature sufficient to form and fuse highly silicious slags, supplying hot blast thereto in the amount required to form liquid matte and vapors carrying the volatile metals; burning the vapors passing away from the charge by hot air introduced at a spaced point above the charge level and collecting the oxidized fume so produced.

1,513,776. EYEGLASS CASE. JOEL CHENEY WELLS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 19, 1923. Serial No. 610,971. 2 Claims. (Cl. 206-6.)



1. An eyeglass case consisting of a body and a cover, the latter being hingedly connected to the former, a resilient one piece elongated catch with both its ends slidably fastened to the rear wall of the body, the central portion of the catch being offset, causing a substantially triangular seat to be formed, the central part of the hinged edge of the cover having a cam substantially triangular in cross section, conforming to and engaging said seat, thereby holding the cover closed.

1,513,777. AUTOMATIC TELEPHONE SYSTEM. BERNARD DARWIN WILLIS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1920. Serial No. 412,070. Renewed May 16, 1924. 33 Claims. (Cl. 179-27.)



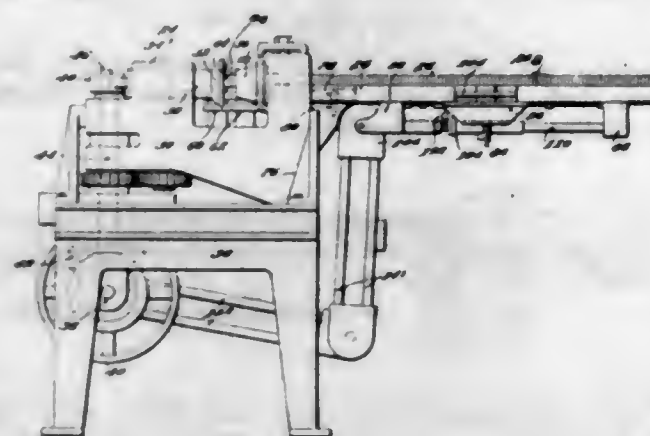
1. In a telephone system, a trunk line, means for associating a test potential with said trunk to make the same busy, and a relay permanently bridged across said trunk and normally energized over said trunk to prevent the application of said test potential.

1,513,778. KILN. WILLIAM E. WILSON, Mason City, Iowa, and HENRY G. LYKKEN, Minneapolis, Minn. Filed May 20, 1921. Serial No. 471,208. 3 Claims. (Cl. 25-135.)



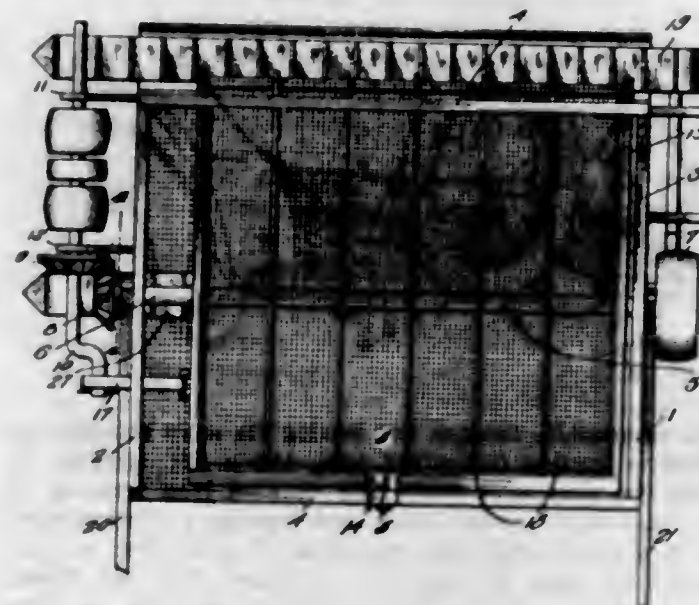
1. In a structure of the character described, a kiln having a plurality of ducts beneath the floor thereof, exhaust means connected therewith, means for controlling the connection between the ducts and the exhaust means, and a perforated floor adapted to permit heated air and gases to be drawn therethrough into the said ducts, the said floor being formed of a plurality of layers, the first of which comprises elongated members, laid transverse to the ducts, and with elongated spaces therebetween, and the second of which is laid transverse to the first.

1,513,779. STOCK-CUTTING MACHINE. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed May 26, 1920. Serial No. 384,320. Divided and this application filed June 8, 1921. Serial No. 475,995. 27 Claims. (Cl. 164-21.)



1. The combination with means for cutting pieces from strips of stock and delivering the pieces in stack formation, of means for receiving the pieces so stacked, and means for removing from the stack the imperfect pieces cut at the ends of the strips.

1,513,780. FLOATING RIDDLE. CHARLES E. WYMAN, Pekin, Ind. Filed Jan. 22, 1923. Serial No. 614,258. 2 Claims. (Cl. 130-15.)

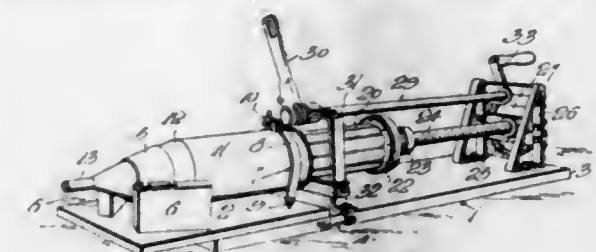


1. The combination of a supporting structure including a pair of spaced bars having bifurcated upper ends, a riddle having a tubular shaft extending therethrough and mounted between the furcations of said bars whereby the riddle will swing freely in said bars, a screen mounted to reciprocate on said shaft, and means for reciprocating said screen, and means to hold said screen against tilting relatively to said riddle.

1,513,781. COATED-FOOD MOLDER. BENJAMIN H. YATES, Webb City, Mo. Filed Jan. 15, 1923. Serial No. 612,840. 1 Claim. (Cl. 107-1.)

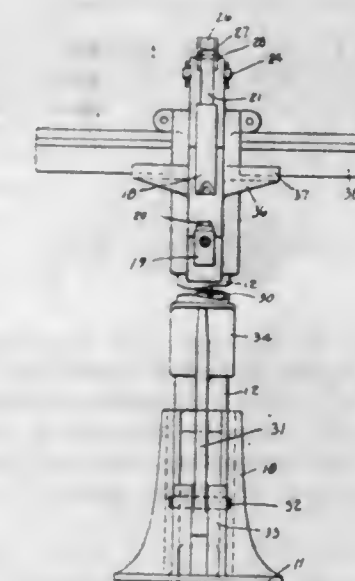
A device of the class described comprising a base, a cylinder mounted horizontally upon said base and extending longitudinally of the same, a screw rotatably mounted horizontally upon said base and extending longitudinally of the same, said screw being disposed substantially in axial alignment with said cylinder, a plunger in said cylinder operated by said cylinder, a shaft mounted horizontally upon said base, and extending

longitudinally of the same parallel to said screw, one end of said shaft being disposed adjacent one end of said cylinder, handled ratchet means disposed on said end of said shaft for operating the same step by step, reduction gearing connecting the other end of said



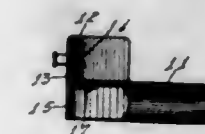
shaft and the adjacent end of said screw to drive the latter from said shaft, said gearing including a gear wheel on said screw, and a handle on said wheel whereby the latter may be rapidly operated to rapidly withdraw said screw.

1,513,782. PUNCH AND PRESS. FRANK RIESS, Indianapolis, Ind., assignor to Riess Manufacturing Company, Indianapolis, Ind., a Corporation. Filed Aug. 20, 1923. Serial No. 658,328. 4 Claims. (Cl. 164-97.)



1. A punch and press machine including a base having an upright tubular portion, a head having a tubular portion, a tubular support insertable in the tubular portions of said head and base for supporting the former on the latter, means for securing said tubular standard in position with respect thereto, a reciprocable plunger mounted in said head, an operating rod extending through said tubular standard and the tubular portions of said head and base for actuating said plunger, and a lever fulcrumed on said base having one end connected with said rod for operating the same.

1,513,783. WRINGER DRIP BOARD. WILLIAM ROBERTSON, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1922. Serial No. 556,650. 2 Claims. (Cl. 68-32.)



1. A wringer drip board formed of a sheet metal plate with flanges at its sides; and side plates turned over the flanges and extending past the opposite face of the board forming flanges on the opposite side of the board from the first-mentioned flanges.

1,513,784. ANTITHEFT ATTACHMENT FOR POCKET-BOOKS AND THE LIKE. SIGMUND ROESNER, Cicero, Ill. Filed Mar. 3, 1923. Serial No. 622,632. 5 Claims. (Cl. 24-13.)



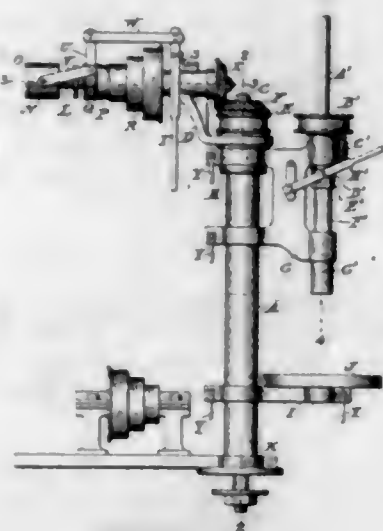
2. An anti-theft device for pocket books, comprising a hook-shaped clamp adapted to be passed down over the top edge of a wall of a pocket book and grippingly engage with the latter, and a depending outwardly spring pressed tongue connected at its upper end to said clamp and carrying at its lower end a pin adapted to pierce a wall of the pocket.

1,513,785. MECHANISM FOR MAKING LATERALLY-SLOTTED METAL STAMPINGS. ANTON ROSE, Cleveland, Ohio. Filed Feb. 9, 1921. Serial No. 443,687. 3 Claims. (Cl. 79-3.)



1. In mechanism of the character described, the combination with a series of paired male and female dies adapted to form in a sheet a dome-like projection having sloping shoulders on opposite sides, of a pair of dies formed with co-operating cutting edges adapted to shear such shoulders adjacent the dome proper.

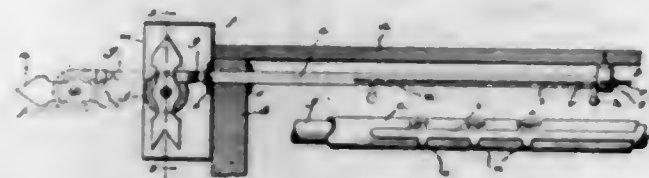
1,513,786. PORTABLE DRILL PRESS. BENJAMIN ROSE, Titusville, Pa. Filed Apr. 30, 1921. Serial No. 465,744. Renewed Mar. 20, 1924. 1 Claim. (Cl. 77-27.)



A portable drill press, comprising a cylindrical stand carrying near its top a lateral bracket mounting a horizontal shaft geared to a gear wheel mounted on the upper end of said standard and rigid with a pulley, in combination with a drill support or bracket having an upper and a lower split collar arm surrounding the

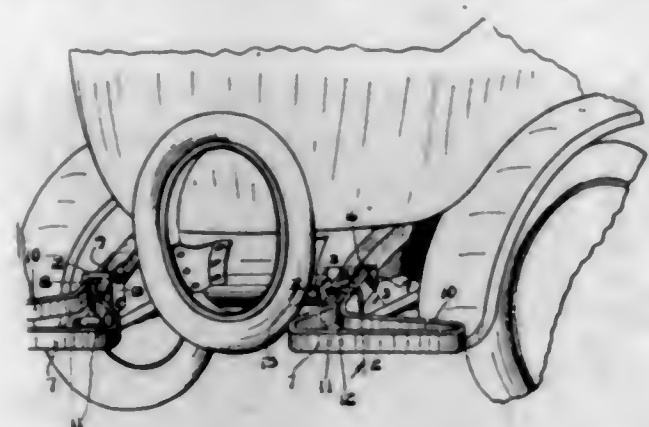
standard and having means for clamping thereon; the standard having an end flange and a collar spaced therefrom between which the upper collar arm engages a drill spindle slidable and rotatable in a sleeve forming part of said support or bracket, and a pulley belted to the aforementioned pulley, and means for vertically sliding said spindle.

1,513,787. SIGNALING DEVICE. LEO RYERSON, Portland, Mich. Filed July 12, 1923. Serial No. 650,989. 11 Claims. (Cl. 116-50.)



1. In a signaling device, the combination of a support, an indicating mechanism slidably supported in the support and provided with an indicator, and means for moving the indicating mechanism and indicator and continuously rotating said indicator as the indicating mechanism and indicator travel longitudinally.

1,513,788. AUTOMOBILE BUMPER. LEO SCHEINSON, Cincinnati, Ohio. Filed Apr. 3, 1924. Serial No. 704,061. 1 Claim. (Cl. 293-55.)

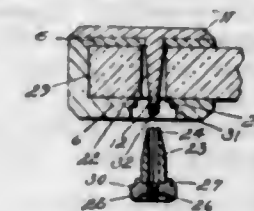


An automobile bumper bar having its ends brought together to form a projecting arm, and a clip adapted to attach the arm to a projecting channel iron member of the automobile chassis, said arm having an adjustment slot in its end, said clip consisting of a bracket of substantial U shape having one leg longer than the other, the longer of said legs being adapted to have its side supported by one side of the channel member with the end of the shorter leg abutting an adjacent side of the member, said longer leg having an aperture therein in alignment with the side engaged by the shorter leg, said shorter leg having a notch in the end thereof and in alignment with the aperture of the longer leg, and a hooked bolt located in hooked engagement with the flange of the channel engaged by the shorter leg, passing through the notch of the shorter leg, the aperture of the longer leg, and the slot of the arm, adapted to secure the bar to the channel in adjusted positions.

1,513,789. LENS STRAP. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 14, 1922. Serial No. 552,626. 1 Claim. (Cl. 88-42.)

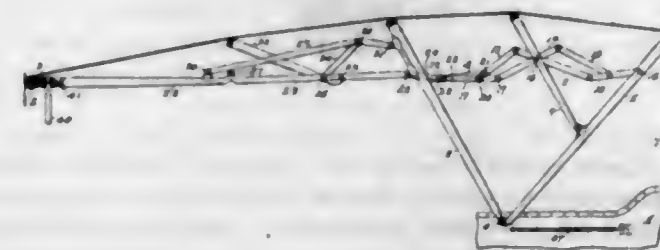
A strap for a lens having an opening, said strap including spaced ears, a stud projecting from one of said ears in the direction of the opposite ear, said stud having a tapered portion, a sleeve arranged upon said stud

for contacting with the tapered portion, a nut threaded upon the stud for engaging one end of the sleeve, whereby turning movement of the nut will force the sleeve



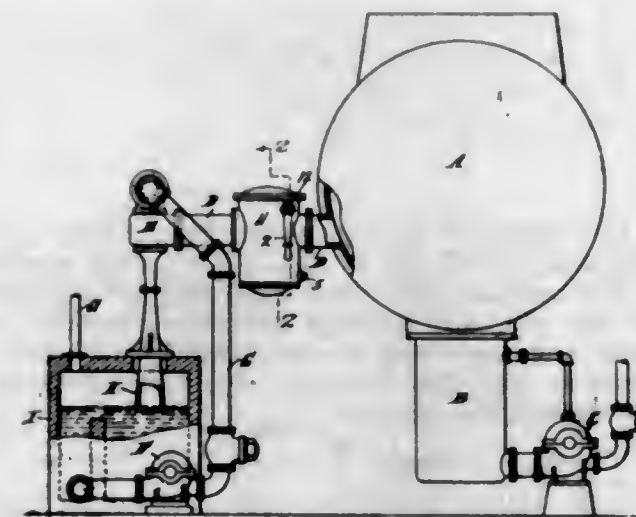
onto the tapered portion spreading the walls of the sleeve against the walls of said opening and securing the parts in such relation and means for locking the parts in attached relation.

1,513,790. TOP FOR AUTOMOBILES, ETC. LOUIS E. SHAW, East Orange, N. J., assignor to Edward J. Bullwinkel, New York, N. Y. Filed Nov. 7, 1919. Serial No. 336,249. 3 Claims. (Cl. 296-116.)



1. In a top, the combination of a pivoted front bow, a pivoted rear top support, a side arm connected with the front top support, a second side arm pivotally connected to the first named side arm, a pin on the end of the second side arm, a lazy tongs connected to the rear top support at one end, and a pair of sliding operating links having recesses in which the pin works connected with the lazy tongs.

1,513,791. SAFETY BACKFLOW VALVE FOR CONDENSER SYSTEMS. ROBERT W. ALLESTON, South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 22, 1920. Serial No. 432,419. 5 Claims. (Cl. 257-24.)



1. The combination with a condenser system having a hydraulic air discharge pump or the like, of a valve normally permitting free flow of air and vapor through the connection from the condenser to said pump, and means for automatically closing said valve to prevent back-flow of liquid to the condenser.

1,513,792. DISPENSING CABINET. CHARLES ARELT, Brooklyn, N. Y., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 17, 1923. Serial No. 613,187. 3 Claims. (Cl. 211-29.)



1. A dispensing cabinet for sheets of material comprising a container in which said sheets are arranged in a stack, said container having its lower end open, a plurality of members movably connected with said container and extending toward each other at said lower end to define an opening through which said sheets may be individually removed and means for permanently fixing said members against outward movement relatively to said container to provide a support for said stack and for permitting a movement of said members into said container when the latter is empty.

1,513,793. TOUGH STABLE-SURFACE ALLOY STEEL. PERCY A. E. ARMSTRONG, Loudonville, and RALPH P. DE VRIES, Newtonville, N. Y., assignors, by direct and mesne assignments, to Ludlum Steel Company, Water-lylet, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1921. Serial No. 441,641. 8 Claims. (Cl. 75-1.)

1. A tough alloy steel of high surface stability containing carbon about .05% to about .50%, chromium from about 5% to about 25%, silicon from about 1.5% to about 6%, nickel from about 4% to about 30%, and the principal portion of the remainder iron.

1,513,794. COATING COMPOSITION. FRANK J. BAUMGARDNER, Cleveland, Ohio, assignor of one-half to Frank L. Phipps, Cleveland, Ohio. Filed Aug. 5, 1918. Serial No. 248,258. 3 Claims. (Cl. 134-39.)

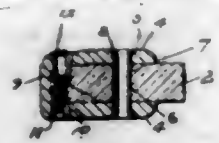
3. A liquid coating composition, comprising finely divided salt-water mollusk shells, zinc oxide, a drier, and a paint vehicle.

1,513,795. EYEGLASS GUARD. WILLIAM H. BOUTELLE, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 27, 1922. Serial No. 547,180. 7 Claims. (Cl. 88-48.)



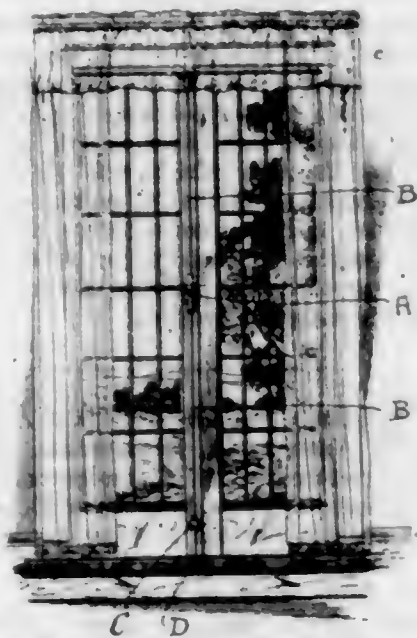
1. An eyeglass guard comprising a metal backing plate having projections and a composition covering for one face of the plate overlying said plate and being forced into interlocking engagement with the projections to retain it in position.

1,513,796. OPTHALMIC MOUNTING. WILLIAM H. BOUTELLE, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 18, 1922. Serial No. 551,971. 4 Claims. (Cl. 88-42.)



1. A device of the class described including a lens having an opening therethru, a strap member having its ears arranged upon opposite faces of the lens, means extending thru the ears of the strap and the opening in the lens for retaining said strap in position, said strap having a transverse opening, tapering sleeves arranged within said transverse openings having parts thereof engaging the edge of the lens and means for moving said sleeves toward or away from each other as and for the purpose set forth.

1,513,797. DOOR LOCK. FRANK BRABSON, Newark, N. J., assignor to Greene, Tweed & Co., a Corporation of New York. Filed Sept. 8, 1923. Serial No. 661,580. 7 Claims. (Cl. 292-39.)



1. A door lock including a longitudinally movable bolt, an operating mechanism for actuating said bolt, a housing for said mechanism including a base section formed of sheet metal and having prongs stamped therefrom to position the section on a door, and a top section adapted to telescope over said base section to enclose said operating mechanism.

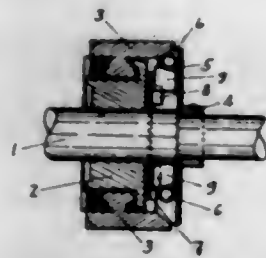
1,513,798. WINDOW CONSTRUCTION. PAUL J. BROWN, North Olmsted, Ohio. Filed July 30, 1923. Serial No. 654,665. 6 Claims. (Cl. 189-73.)



1. In an article of the class described, the combination of a window sash, a groove formed in each vertical edge thereof, said groove being of enlarged cross-section at

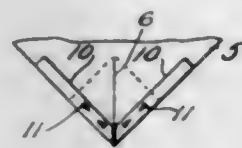
its lower portion, and a pair of vertical guide members formed of sheet metal strips adapted to be attached to the window frame, each of said strips being provided with an intermediate resilient section connecting its base with an enlarged edge angularly disposed with respect to said base and adapted to engage within the enlarged portion of the adjacent groove of the sash, each strip co-acting with its companion strip to resist motion of said window sash transversely in the plane of the sash and laterally with respect thereto.

1,513,799. SHORT-CIRCUITING DEVICE. HERBERT L. BAUME, Dayton, Ohio, assignor to The Dayton Fan & Motor Company, a Corporation of Ohio. Filed July 26, 1923. Serial No. 653,917. 4 Claims. (Cl. 172-279.)



1. In an alternating current motor, an armature shaft, a commutator mounted thereon, an annular member also mounted on said shaft opposite the commutator, a series of centrifugal elements, free to move outwardly, mounted between the annular member and commutator, a flexible element adapted to be moved outwardly by the centrifugal elements, when the armature shaft attains a certain speed, to make contact between the annular member and the commutator for the purpose of short circuiting the latter, and a spacer loosely mounted on the armature shaft between the commutator and the centrifugal elements, and having projections between the latter to prevent them from grouping together at one side of the commutator without interfering with their natural movement.

1,513,800. INTERLOCKING SHINGLE. FENTON R. BRYDLE, Jamaica, N. Y. Filed Dec. 6, 1922. Serial No. 605,158. 5 Claims. (Cl. 108-8.)

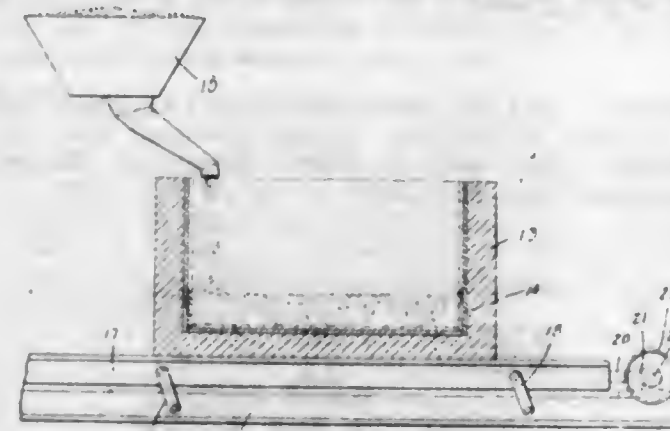


1. In a shingle of the interlocking type, a lower corner of the shingle being slit to form a pair of tab members, said tab members being bent upwardly and outwardly from the slit for insertion beneath previously laid shingles, and reinforcing members carried by the tabs for engagement with both the upper and lower surfaces of the previously laid shingles.

1,513,801. PROCESS OF FORMING CONCRETE PRODUCTS BY VIBRATORY MEANS. ERVIN M. CAMP, Chicago, Ill., assignor, by mesne assignments, of one-half to United Cement Products Company, Indianapolis, Ind., a Corporation. Filed Feb. 23, 1924. Serial No. 694,686. 3 Claims. (Cl. 25-155.)

1. The process of forming an object of plastic material consisting of mounting a plurality of forms in a substantial water tight container, vibrating said container and forms for causing the water and air contained in

the material to be expelled therefrom so as to permit the material to solidify, said expelled water being caused to overflow the top of the container so as to leave no

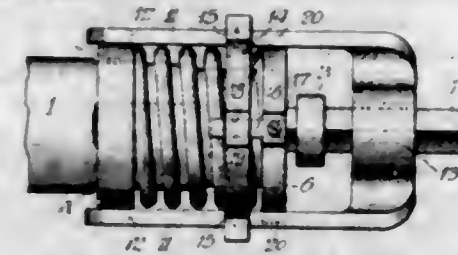


water marks on the material, and thereafter removing the forms from the container and material after the latter has become set.

1,513,802. ARTIFICIAL RESINOUS BODY. FREDERICK D. CRANE, Montclair, N. J. Filed Sept. 30, 1920. Serial No. 413,800. 2 Claims. (Cl. 260-106.)

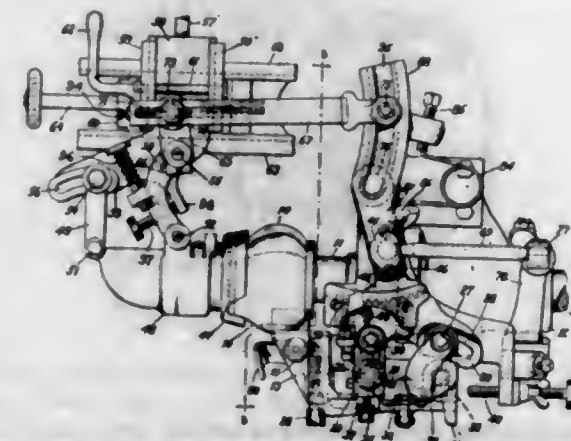
2. As a new article of manufacture, an ester benzyl resinolate or ablate.

1,513,803. TOOL RETAINER. CLARENCE H. DOCKHAM, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, Detroit, Mich., a Corporation of New Jersey. Filed Feb. 28, 1921. Serial No. 448,377. 10 Claims. (Cl. 121-32.)



1. In combination with the front head of a machine and its projecting working tool, a tool retainer comprising a collar on the head, a retainer proper having side arms pivoted on the collar and having a central portion adapted to cooperate with the working tool, and means for holding the retainer in such cooperating position, consisting of a collar surrounding and movable longitudinally of said arms.

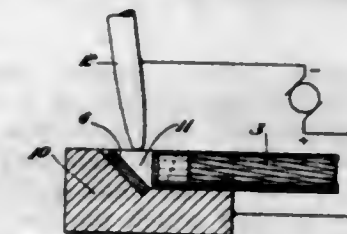
1,513,804. METHOD OF AND MACHINE FOR SHAPING HEELS. FRANK ANTON EICH, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 26, 1922. Serial No. 563,900. 67 Claims. (Cl. 12-87.)



1. A heel-trimming machine comprising a rotary cutter profiled to impart substantially the final shape to a heel, a counter guard and a top-lift guard arranged for rela-

tive movement toward and from each other, and mechanism constructed and arranged to effect said relative movement of the guards toward or from each other during the operation of trimming a heel.

1,513,805. RAIL BOND AND METHOD OF MAKING SAME. HAROLD H. FEBREY, Newark, N. J., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Sept. 3, 1921. Serial No. 498,313. 10 Claims. (Cl. 29-169.)



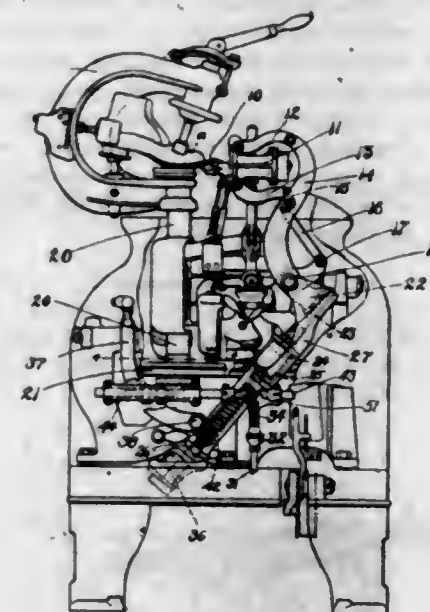
1. In the manufacture of rail bonds, the steps consisting in securing a part of the bond terminal and the end of the bond conductor within the cavity of a mold, and then adding molten metal to the mold cavity to thereby form the body of said terminal and unite said terminal part and conductor end to said terminal body.

10. A rail bond comprising a conductor having forged terminals on the ends thereof, said terminals having concave rail engaging faces coacting with the rail to form a pocket therebetween, and said rail engaging faces and the body of said terminals being of dissimilar metals.

1,513,806. ALLOY. COLIN G. FINN, Yonkers, N. Y., assignor to Chile Exploration Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 26, 1921. Serial No. 440,167. 10 Claims. (Cl. 75-1.)

1. An alloy containing cobalt in predominant amount, and more than 10 and up to 20% of silicon.

1,513,807. PRESSURE-REGULATING MECHANISM. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 28, 1919. Serial No. 285,715. 27 Claims. (Cl. 12-17.)



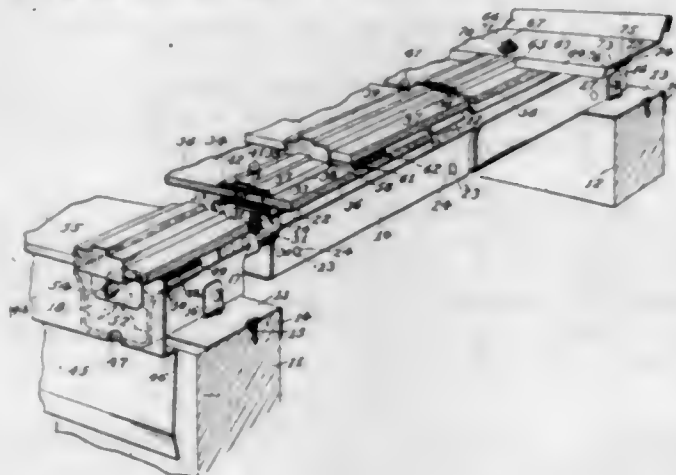
1. In a machine for operating upon shoes including mechanism for maintaining uniform pressure between a tool and work having abrupt changes of outline, the combination of a work support, a tool movable into different positions by the changing outline of the work, means for producing relative movement of the work and tool to transfer the point of operation of the tool along the changing outline of the work, and means for maintaining unvarying pressure between the work and the tool as the point of operation of the tool is moved along the abruptly changing outline.

1,513,808. BUMPER-SUPPORTING MEANS. CHRISTIAN GIRL, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 688,977. 4 Claims. (Cl. 293-55.)



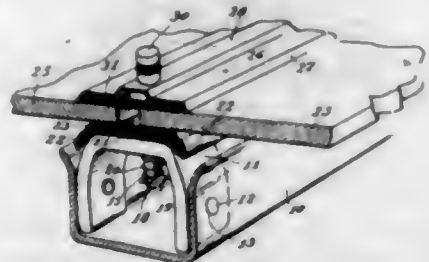
1. The combination, with a bumper supporting arm having an eye at an end thereof, of a bumper comprising a bar adapted to bear with one face against said eye, a U-bolt extending through said eye and engaging the face of the bumper bar remote from such eye, a cross plate through which the ends of said bolt extend, and nuts on the ends of said bolts.

1,513,809. SKYLIGHT. HAROLD B. HAWES, Bridgeport, Conn. Filed June 16, 1923. Serial No. 645,810. 7 Claims. (Cl. 108-16.)



1. A skylight structure comprising a channel rafter forming a trough, a plurality of spaced supporting means mounted in said rafter, an anchor block secured at the outer end of said rafter, a cushioning strip resting on said supporting means, glass panels resting at their marginal portions upon said cushioning strip, a retaining strip engaging said panels at their upper sides, means for securing said retaining strip to said supporting means, and a retaining clip removably secured to said anchor block and engaging and supporting said glass panels at their outer ends.

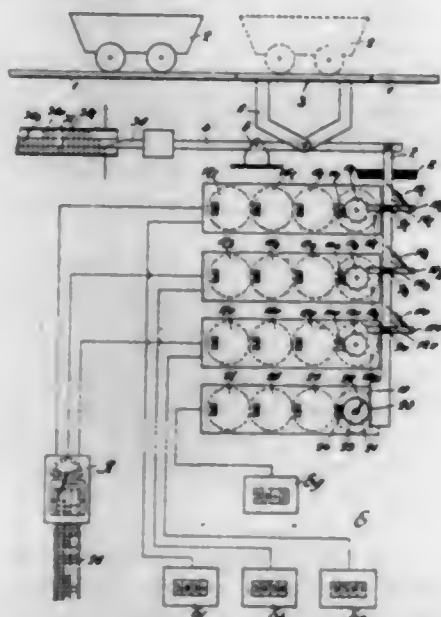
1,513,810. SKYLIGHT. HAROLD B. HAWES, Bridgeport, Conn. Filed June 19, 1923. Serial No. 646,308. 5 Claims. (Cl. 108-16.)



1. In a skylight structure, a rafter, a support thereon having an aperture, a post having a shouldered upper portion engaging the upper side of said support and a shank portion extending through and slidable in said aperture, a spring on said shank portion retaining said post and permitting upward yielding movement thereof, a cushioning strip resting directly on said support, glass panels resting on said cushioning strip at each side

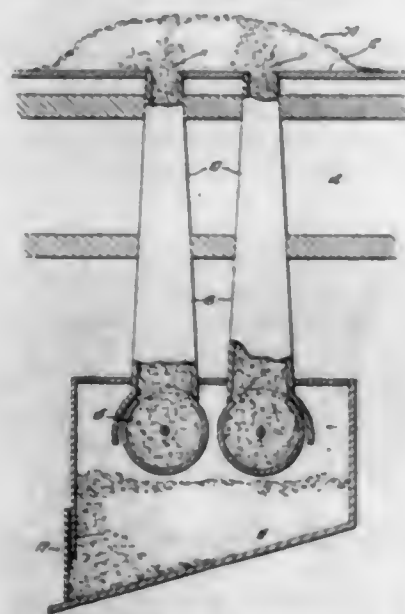
of said post, a retaining strip engaging said glass panels at their upper side and having a perforation engaging said post, and means engaging said post for securing said retaining strip.

1,513,811. DEVICE FOR COUNTING DIFFERENTLY-LOADED VEHICLES. ROBERT HEINOLD, Kiel, Germany. Filed Mar. 6, 1923. Serial No. 623,242. 1 Claim. (Cl. 235-91.)



In a device for registering unloaded and differently loaded trucks for railway or conveyor systems, the combination of a platform adapted to yield to a different extent according to the different weight of the trucks and adapted to be traversed by the trucks, a balancing beam connected to said platform, an actuating member pivotally attached to said beam and adapted to follow the movement of the platform, a plurality of counters adapted to be operated by said actuating member successively, the number of counters operated being in accordance with the extent of the platform depression caused by the truck or truck and load on the platform.

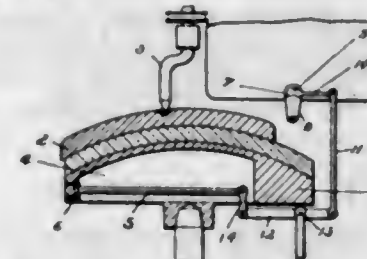
1,513,812. PROCESS FOR TREATING OXIDIZED SULPHIDE ORES. EDWIN THOMAS HENDERSON, Broken Hill, New South Wales, Australia. Filed Feb. 26, 1923. Serial No. 621,277. 2 Claims. (Cl. 75-17.)



1. A process for treating oxidized dry sulphide ores in a state of fine subdivision preparatory to submitting them to flotation for the separation of sulphides from gangue, with the object of reconverting the sulphides which consists in heating the ores until they attain

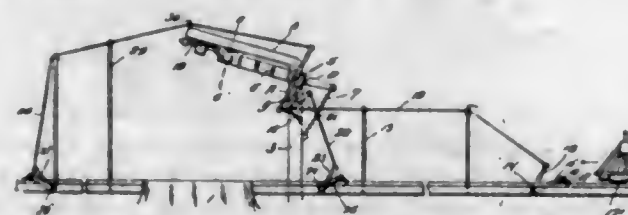
a temperature of 700° C. approximately, in a chamber the atmosphere in which contains no free oxygen and in which chamber no reducing agent effective for reducing values to metal is contained, and thereafter cooling the said ores without permitting access of oxygen to them during the cooling stage.

1,513,813. LENS-GRINDING APPARATUS. KENNETH V. HILL and EDGAR D. TILLYER, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 18, 1922. Serial No. 554,762. 6 Claims. (Cl. 51-263.)



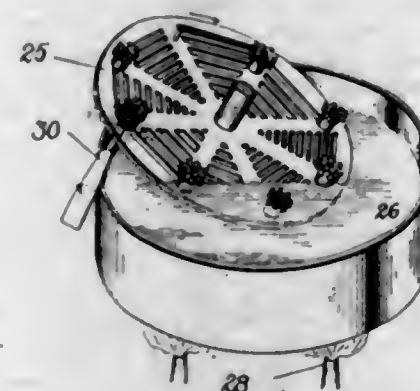
2. Lens polishing apparatus including abrading supplying means and a thermostatic control for regulating the discharge of abrading therefrom.

1,513,814. CROSSING SIGNAL. WADE H. HILLHOUSE, Lebanon, Ga. Filed Apr. 7, 1924. Serial No. 704,781. 3 Claims. (Cl. 246-293.)



2. A crossing signal comprising a post, an arm carried by the post, a bar pivoted upon the post, means for raising and lowering the bars, a signal member pivoted upon the bar and having a longitudinally curved shank portion adapted to engage the lower edge of the arm whereby the said signal member is swung from a horizontal to a vertical position as the bar is raised and lowered.

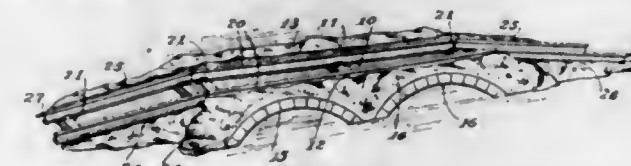
1,513,815. METAL MANUFACTURE. WILLIAM R. HURD, 2d, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 11, 1918. Serial No. 221,812. 11 Claims. (Cl. 91-70.)



2. That improvement in the art of treating metallic articles which consists in applying a coating of liquidified substance that solidifies under ordinary conditions, and removing surplus coating substance from the article by blowing against the article in such a way as to rotate the latter before the coating solidifies, thus generating centrifugal action.

9. That improvement in methods of treating metallic articles which consists in giving an article an excessive coating of a liquid substance that will solidify at ordinary atmospheric temperatures, and thereafter simultaneously blowing against the coating and whirling the article so as to remove surplus coating substance.

1,513,816. TOY RAILWAY BRIDGE. HARRY C. IVES, Bridgeport, Conn., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed May 10, 1924. Serial No. 712,256. 12 Claims. (Cl. 238-6.)



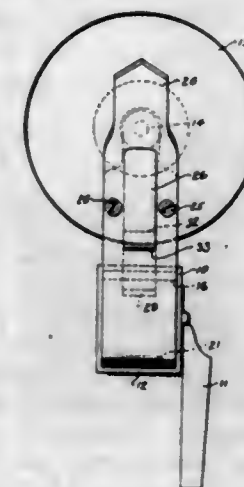
10. A toy railway bridge structure, comprising a sheet metal base including a track bed having extended clamping flap portions at its ends, and a track section engaged on said bed comprising end ties and rails secured thereto, said flap portions of said bed being bent over upon said end ties to clamp said track section to the bed.

1,513,817. BUMPER-CLAMPING DEVICE. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 689,003. 11 Claims. (Cl. 293-55.)



11. The combination, with a pair of vertically spaced front or impact bars and a bar spaced rearwardly or laterally therefrom, of a clamp comprising a pair of crossed members each having a seat at one end for an edge of the third bar, and a portion adapted to engage the rear or inner face of the first-mentioned bar which is adjacent thereto, and an inclined portion adapted to engage the edge of the other of such first-mentioned bars, and means for drawing the said members toward each other.

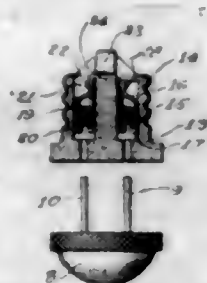
1,513,818. TUBE FRAME FOR AXMINSTER LOOMS. VICTOR H. JENNINGS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 683,057. 6 Claims. (Cl. 139-10.)



1. In a tube frame for Axminster looms, a bracket having a slot formed therein and extending lengthwise of the tube frame, a hook member associated with the bracket and having an enlarged portion thereof defining

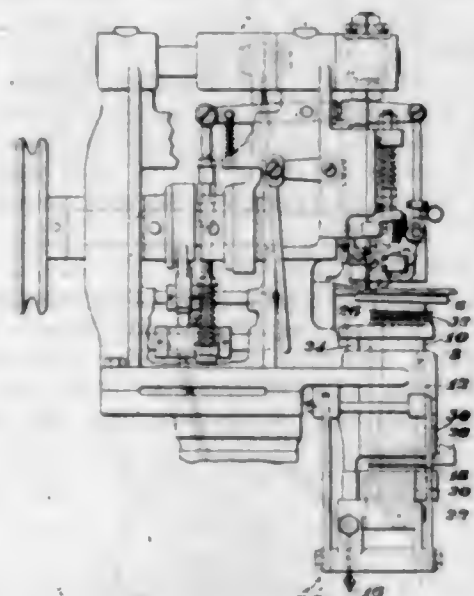
upper and lower shoulders and located in said slot and restrained as to vertical motion by the engagement of said shoulders by the ends of said slot, and resilient means for holding said hook in outward position.

1,513,819. ATTACHING PLUG FOR MAKING ELECTRICAL CONNECTIONS. HERMAN J. JOHN, La Grange, Ill. Filed Sept. 13, 1923. Serial No. 662,386. 4 Claims. (Cl. 200—115.5.)



1. In an attachment plug, the combination of a plug-body provided with a screw-threaded jacket and a contact strip secured in the body and disposed adjacent one end thereof, electrical conductors leading into the body, one of which is connected to said jacket and the other to said strip, the inner end of the plug having an open ended recess therein and a fuse-cartridge replaceably held in said pocket and having a terminal engaging said strip and a terminal forming a tip-contact to engage a contact in a socket adapted to receive the plug.

1,513,820. WORK SUPPORT FOR STOCK-FITTING MACHINES. ALBERT E. JOHNSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 14, 1919, Serial No. 289,880. Divided and this application filed Dec. 11, 1920. Serial No. 430,019. 5 Claims. (Cl. 12—123.)

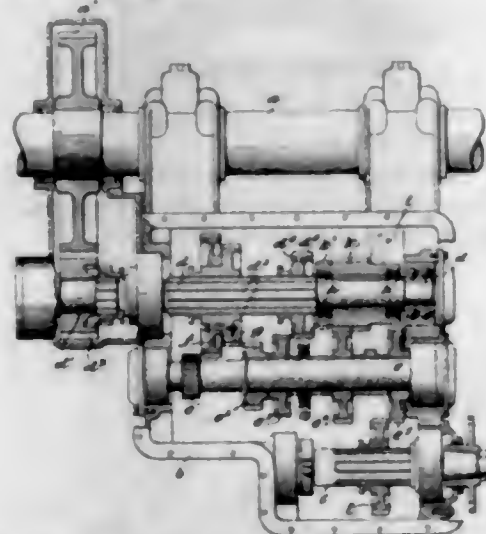


1. A work support for a stock fitting machine comprising, in combination, a bracket bored out to form a stationary sleeve, an internally-threaded supporting sleeve and a manually-operable toggle connecting it to the bracket, a work-supporting table, a plunger carrying the table and guided by the stationary sleeve, the plunger having a lower externally-threaded portion concentrically arranged within the supporting sleeve, and an internally and externally threaded ring arranged between the supporting sleeve and the lower portion of the plunger in such a manner that turning the ring raises the plunger with respect to the ring and the ring with respect to the supporting sleeve to lift the table a substantial distance for a relatively small turning movement of the ring.

1,513,821. METHOD FOR EXTRACTING BROMINE. COULTER W. JONES, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed May 7, 1920. Serial No. 379,481. 2 Claims. (Cl. 73—10.)

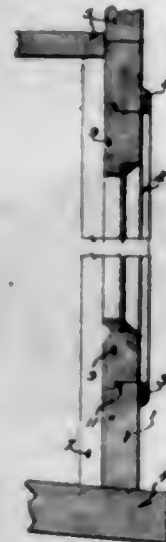
1. In a method of extracting bromine from bromide-containing brine, the steps which consist in treating such brine to free the bromine from its chemical combination, and thereupon subdividing such brine and simultaneously subjecting the same to a vacuum sufficient to withdraw the free bromine absorbed therein.

1,513,822. TRANSMISSION. LYMAN C. JOSEPHS, JR., and MARTIN L. SHEETZ, Allentown, Pa., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 20, 1923. Serial No. 658,262. 2 Claims. (Cl. 74—58.)



1. In a transmission, in combination with a driving shaft, main shaft and a countershaft, a compound gear clutch mounted loosely on the main shaft, a sliding gear on the drive shaft engageable with one section of said loosely mounted gear clutch, a gear fixed on the countershaft in constant mesh with one section of said compound gear clutch and a gear splined on the main shaft and slidable for engagement with a section of said compound gear clutch for direct drive.

1,513,823. COMBINATION SCREEN AND WINDOW SASH. CARL R. KANT, Clintonville, Wis. Filed Oct. 30, 1922. Serial No. 597,845. 1 Claim. (Cl. 20—55.)



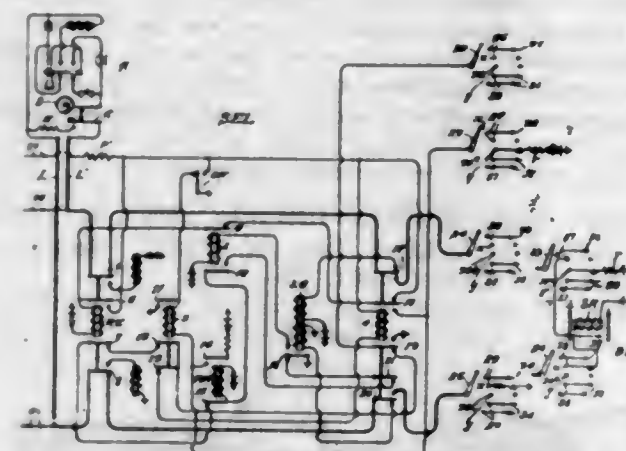
A building unit comprising a sash having side and top portions and a central opening, a screen wire spanning such opening and secured to the outer side of such sash, a pair of glazed panels located within said sash and normally closing said space, said glazed panels having their outer vertical edges hinged to the side portions of said sash.

1,513,824. METHOD OF UNITING METALS. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 26, 1923. Serial No. 615,118. 6 Claims. (Cl. 113—112.)



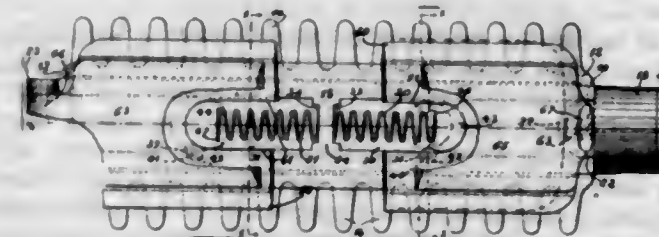
1. The method of uniting two metallic members which comprises impregnating the surfaces thereof to be united with hydrogen to an appreciable depth and thereafter placing said members in contact in the presence of an alloying metal and applying heat thereto.

1,513,825. TELEPHONE SYSTEM. LEROY D. KELLOGG, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 30, 1922. Serial No. 532,640. 8 Claims. (Cl. 179—18.)



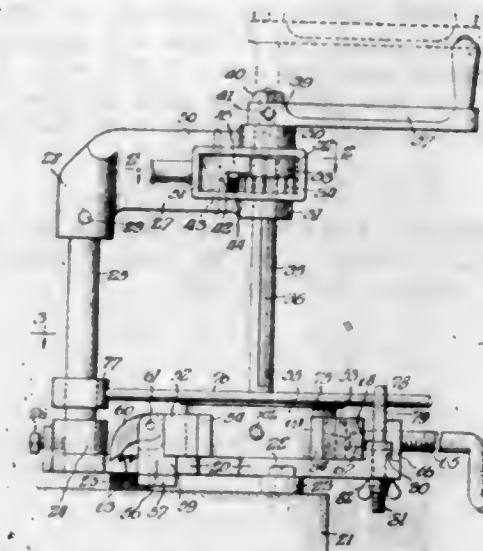
1. A telephone system comprising subscribers' lines divided into groups as called lines, adding type connectors divided into corresponding groups, adding type selectors operable in a single plane only for interconnecting calling lines with idle connectors of desired groups, and impulse mechanism for transmitting directive impulses to selectors and connectors.

1,513,826. BLADE MOVEMENT FOR ELECTRIC RAZORS. HILTON C. KENNEY, New London, Conn., assignor to Charles H. Kenney, New London, Conn. Filed May 29, 1923. Serial No. 642,226. 9 Claims. (Cl. 30—12.)



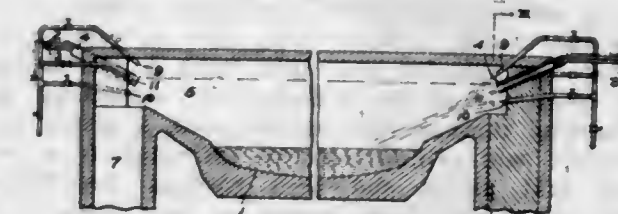
1. A razor, comprising a handle; a reversible blade having its longitudinal axis in alignment with the longitudinal axis of said handle; and means for moving said blade away from and back to said handle axis.

1,513,827. MOTOR-SPRING-HANDLING APPARATUS. HERBERT R. KENT, Chicago Heights, Ill., assignor to Kent Sales Agency, Chicago Heights, Ill., a Copartnership comprising Herbert R. Kent, Frank L. Cole, Charles H. Thomas, and John E. Thomas. Filed Sept. 28, 1922. Serial No. 591,048. 10 Claims. (Cl. 29—87.1.)



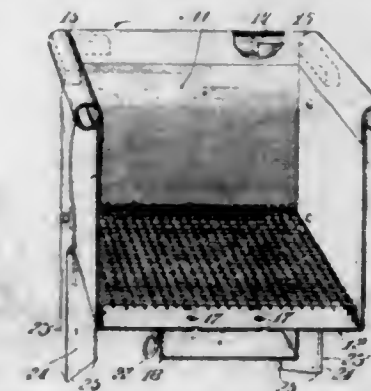
1. In a device for handling motor springs, the combination of a clamp for detachably holding a spring barrel, an arbor adjustably mounted on a support adjacent the clamp so as to be insertable in and removable from a barrel when the latter is held by the clamp, and means for rotating said arbor relative to said clamp.

1,513,828. STRUCTURE AND METHOD OF OPERATION OF HEATING FURNACES. ROBERT B. KERNOHAN, JAMES S. LOCHHEAD, and WILLIBALD TRINKS, Pittsburgh, Pa. Filed Jan. 10, 1922. Serial No. 528,341. 29 Claims. (Cl. 263—15.)



1. In the operation of a regenerative furnace the method of firing herein described which consists in introducing into a chamber supplied with regenerated air and opening to the furnace hearth a stream of gaseous fuel, and in introducing also into the said chamber a directing and guiding jet of gaseous fluid at a velocity exceeding that of sound.

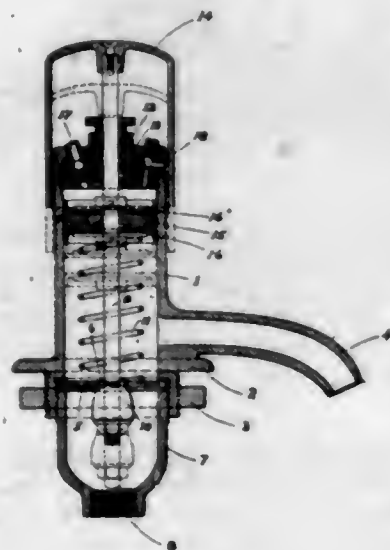
1,513,829. PLANT RECEPTACLE. LOUIS KLOW, Chicago, Ill. Filed Dec. 6, 1922. Serial No. 605,245. 4 Claims. (Cl. 47—34.)



1. In a fernery the combination of a container having a perforated bottom, and demountable legs secured thereto, with a screen elevated from said bottom, and a removable drip pan suspended from said bottom.

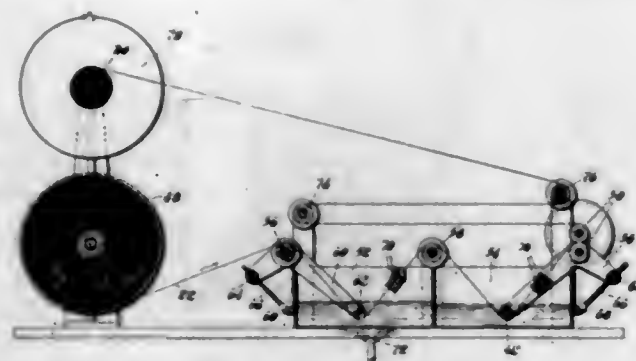
4. In a fernery, a container having a hollow beaded upper rim, invisible reinforcing means at the mitered corners of said container comprising an angular bar swedge within said rim, a removable screen having downturned edges resting on the bottom of said container, demountable legs having a reinforcing plate fitted into bent portions of said legs and extending longitudinally from the floor line to the proximity of the container bottom, the upper end of said legs securely engaging the edges of said rim and the side wall of said container, and a removable drip pan provided with stops and reinforced flanges suspended from the bottom.

1,513,830. PERIOD FAUCET. ELIZABETH M. LA CASSE, Oakland, Calif. Filed Apr. 16, 1923. Serial No. 632,395. 3 Claims. (Cl. 137-93.)



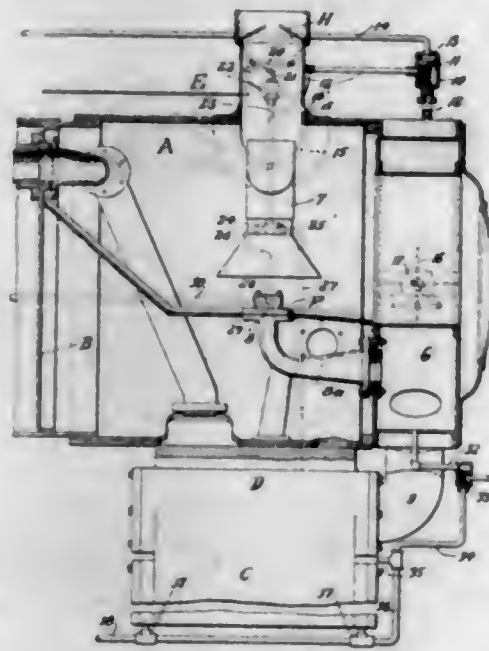
1. In a self closing faucet, a cylinder, a head at one end thereof having a water inlet port, a water outlet port from the cylinder near said head, a second head at the other end of the cylinder, air controlling passages passing through said second head, a piston movable within said cylinder, a rod extending from both ends of said piston and each passing, respectively, through one of the heads, means on one extension for closing said inlet port, and a cup shaped pushing piece secured to the end of the other extension inverted over the end of said cylinder and air controlling passages.

1,531,831. FASTENER PACKAGE AND METHOD OF PREPARING SUCH PACKAGE. ALBERT LATHAM, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Sept. 29, 1919. Serial No. 327,176. 49 Claims. (Cl. 218-28.)



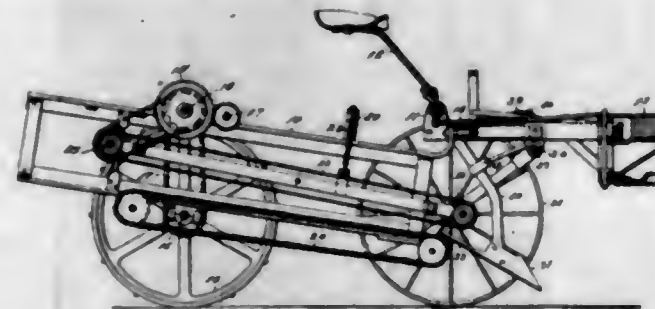
1. A fastener mounting having a plurality of pairs of openings with a slit connecting each pair of openings, the plural pairs of openings being arranged to co-operate for the reception of a single fastener.

1,513,832. LOCOMOTIVE DRAFT APPLIANCE. DAVID M. LEWIS, Topeka, Kans., assignor of two-thirds to Joseph D. Purcell, Chicago, Ill. Filed June 10, 1919. Serial No. 303,134. 10 Claims. (Cl. 162-4.)



1. In a locomotive draft appliance, the combination of an exhaust steam expansion chamber, means for conducting exhaust steam thereto, means for conducting steam therefrom, and means for cutting off a portion of the expansion chamber to reduce the space for expansion.

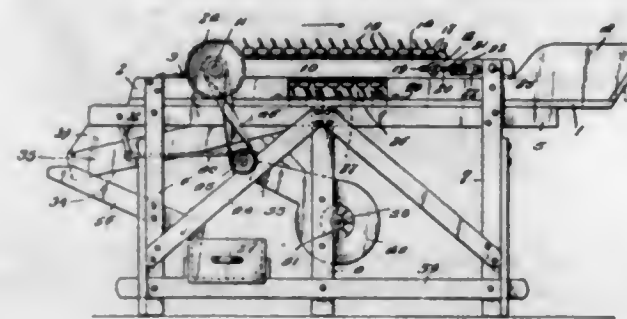
1,513,833. BEET-DIGGING DEVICE. JOHN W. LITTLE, McCook, Nebr. Filed Feb. 24, 1922. Serial No. 538,981. 2 Claims. (Cl. 55-138.)



1. In a beet digging and elevating machine, in combination, a pair of conveyors extending lengthwise of the machine and arranged one above the other in vertically spaced relation, the upper conveyor being of canvas, pivoted to the frame of the machine and resiliently supported thereby for self-adjustment to automatically adjust itself to various sizes of beets delivered into the space between adjacent runs of the two conveyors, and the lower conveyor being a chain conveyor and non-adjustable with respect to the said frame, and digger elements arranged to project in front of the said conveyors and inclined to guide loose beets between the said conveyors.

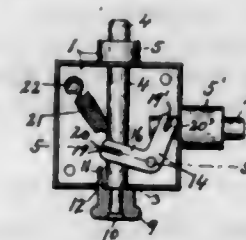
2. In a digging machine, in combination, a supporting frame, a driver's cart connected thereto, a non-adjustable chain conveyor supported in the said frame and extending lengthwise thereof, digger elements depending from the said cart in advance of the said chain conveyor and being inclined to guide loose beets onto the said chain conveyor, a canvas conveyor supported in the said frame and arranged above the said chain conveyor in vertically spaced relation to the latter, said canvas conveyor having its rear end hinged to the frame, and a spring resiliently suspending the front end of the canvas conveyor from the frame to enable the said conveyor to rise and fall in adapting itself to various sizes of beets delivered into the space between the said conveyors.

1,513,834. COMBINED VINE STRIPPER AND BEAN OR PEA HULLER. EDWARD C. LOFTNESS, Gibbon, Minn. Filed Oct. 23, 1922. Serial No. 596,503. 1 Claim. (Cl. 130-30.)



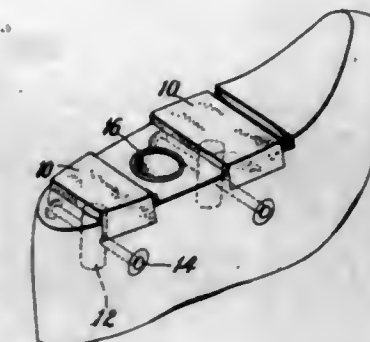
A vine stripper comprising a frame, a floor mounted horizontally thereon and including removable cross bars having teeth thereon, a belt mounted for movement above the floor and having a lower run, which is disposed parallel with the floor, transversely disposed bars carried by the belt, teeth carried by said bars, means for moving the belt whereby the teeth which are carried upon the bars thereof may move between the teeth which are supported upon the floor, the teeth upon the floor being upwardly inclined in the direction of the movement of the lower run of the belt, and the teeth which are carried by the bars upon the belt being downwardly inclined in a direction opposite to the direction in which the lower run of the belt moves.

1,513,835. SASH FASTENER. THEODORE P. LOVELL, Syracuse, N. Y. Filed Dec. 18, 1922. Serial No. 607,680. 1 Claim. (Cl. 292-35.)



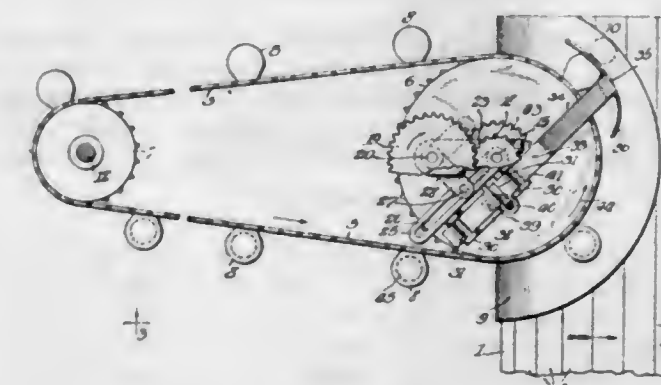
A sash locked comprising a case adapted to be secured to the lower sash and having registering guide openings in opposite sides thereof, and an additional guide opening in another side at right angles to the first named openings, a locking bolt extending through and reciprocally movable in both of the first named openings and having one end adapted to engage the upper sash and its other end provided with a handle, an additional locking bolt reciprocally movable in the second named guide opening and having its outer end adapted to engage the window frame, and a bell-crank lever pivotally mounted in the case and having one arm engaged with the first named locking bolt and its other arm engaged with the second named bolt whereby an outward pull upon the handle will unlock both bolts, the first named locking bolt having a slight angular movement and being provided with a detent adapted to be brought into engagement with the outer face of the adjacent portion of the case by said angular adjustment when the locking bolts are withdrawn from their locking positions to hold said bolts in said positions.

1,513,836. LAST. HARRY W. LUCAS, Holbrook, Mass., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Sept. 11, 1922. Serial No. 587,417. 5 Claims. (Cl. 12-139.)



1. A last heel part having a rubber piece at the top of the cone to engage the jack of a heeling machine.

1,513,837. CONVEYER. GARLAND LUFKIN, Sand Springs, Okla., assignor to Alexander H. Kerr, Sand Springs, Okla. Filed July 21, 1921. Serial No. 486,331. 8 Claims. (Cl. 198-20.)



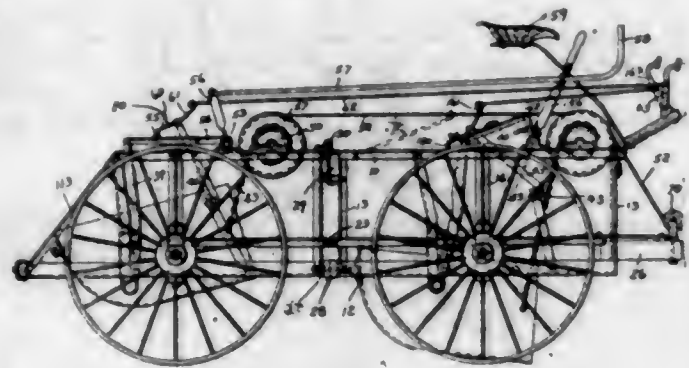
1. In a device of the class described the combination of leer pans, a conveyer and means for transferring articles from the conveyer to the leer pans comprising a member movable from side to side of the leer pans and reciprocable transversely of its path of movement.

1,513,838. MANICURIST'S BUFFER. MARGARET E. MCAULIFFE, Boston, Mass. Filed Apr. 24, 1922. Serial No. 556,186. 4 Claims. (Cl. 132-78.)



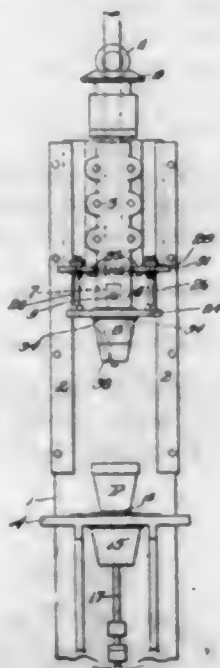
1. A buffer having a base the central part of which is confined substantially to the level of the margin thereof, pins embedded in the marginal part of the base and having pointed ends inclined inwardly on the upper side thereof for anchoring the margins of a buffing sheet, a cover shaped to seat on said sheet on the outside of said pointed ends, and means for detachably securing the cover to the base.

1,513,839. SELF LOADING AND DUMPING VEHICLE. JOHN E. MCCRAY, Indianapolis, Ind. Filed Nov. 2, 1923. Serial No. 672,326. 11 Claims. (Cl. 37-127.)



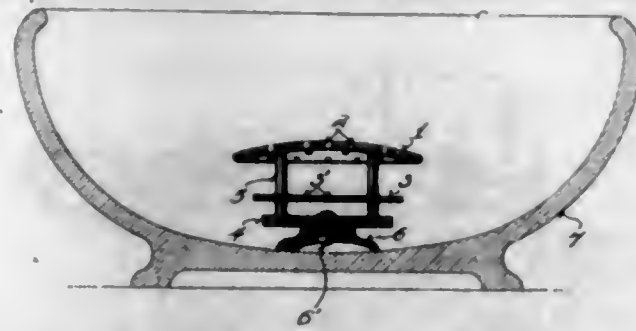
1. A loading and dumping vehicle including a pair of scoops, a pair of wheels for each scoop, a spindle for each wheel, a framework pivotally supporting said spindles of each scoop, means connecting said frameworks together, and other means connecting said spindles together for simultaneous movement.

1,513,840. POTTERY TRIMMER. JOSEPH M. MACCARRAGHER and ANSELMO GOVONI, Somerville, Mass., assignors to A. H. Hews & Co., Incorporated, Cambridge, Mass., a Corporation of Massachusetts. Filed Sept. 22, 1921. Serial No. 502,461. 6 Claims. (Cl. 25-26.)



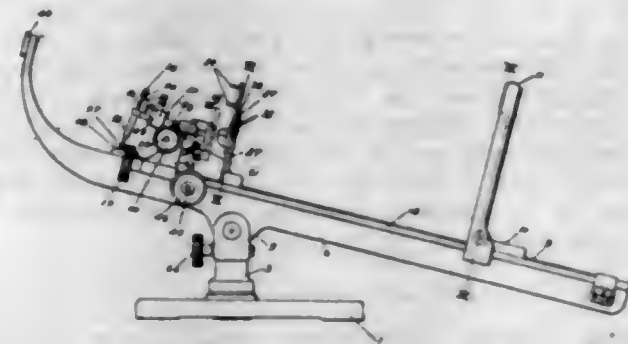
1. In a pottery molding machine, the combination of a mold having a recess formed at its rim that opens into the cavity of said mold; a core movable into and out of said mold provided with a chine shaping shoulder; and a feather removing member movable into a position within said recess and immediately adjacent the side of the article being molded so that it is in the plane of the joint between said shoulder and the rim of the mold when the core is fully within the latter.

1,513,841. FLORAL SUPPORT. FREDERICK D. MACDONALD, Milwaukee, Wis. Filed Apr. 1, 1924. Serial No. 703,568. 4 Claims. (Cl. 47-41.)



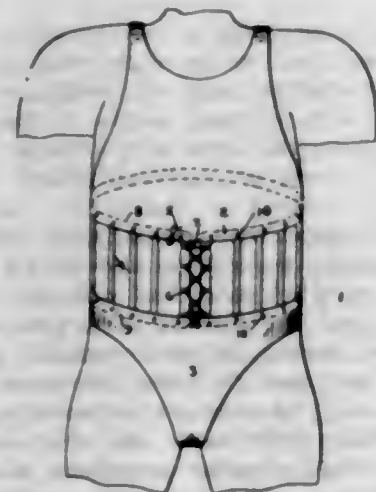
1. A floral support having openings for the reception of flower stems, and a vacuum cup detachably connected with the bottom thereof.

1,513,842. LENS-TESTING INSTRUMENT. ALBERT E. MAYNARD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed June 27, 1921. Serial No. 480,813. 17 Claims. (Cl. 88-56.)



1. An instrument of the character described, including a frame, a target and an eye piece carried by the frame, a lens support intermediate the target and eye piece, means for marking a lens when on the support, said means including an oscillating sleeve, a marking head rotatable within the sleeve, means for rotating the marking head, resiliently actuated marking pins carried by the head, and means for normally holding all of the pins in inoperative position.

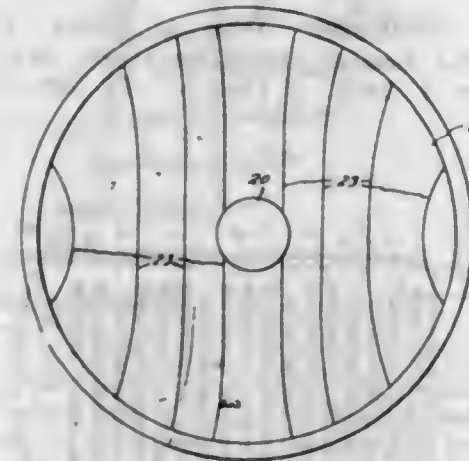
1,513,843. BATHING ATTIRE. ALEXANDER MEFFERT, New York, N. Y. Filed Apr. 15, 1922. Serial No. 553,127. 2 Claims. (Cl. 9-20.)



1. In combination with a substantially flat inflatable belt having upper and lower circumferential marginal flanges, a garment adapted to be secured to said lower

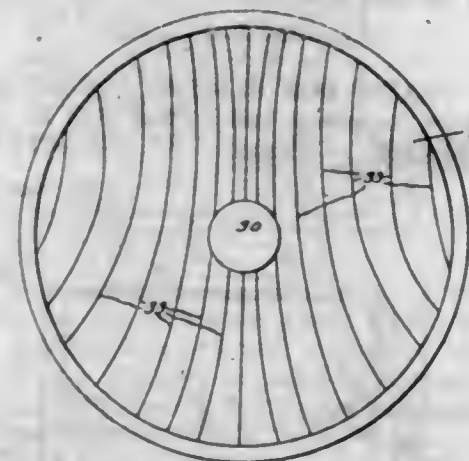
flange and means in combination with the top of said garment and said lower flange for detachably securing the same together, a shirt, and means in combination with the same and said upper flange for securing said shirt and said flange together.

1,513,844. REFLECTOR FOR AUTOMOBILE LAMPS. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 3, 1922. Serial No. 526,078. 2 Claims. (Cl. 240-41.)



1. In a lamp, a ribbed reflector, the ribs being located in planes which pass obliquely through the axis of the reflector, said planes being perpendicular to a horizontal plane passing through the reflector.

1,513,845. CORRUGATED REFLECTOR FOR AUTOMOBILE LAMPS. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 3, 1922. Serial No. 526,680. 2 Claims. (Cl. 240-41.)



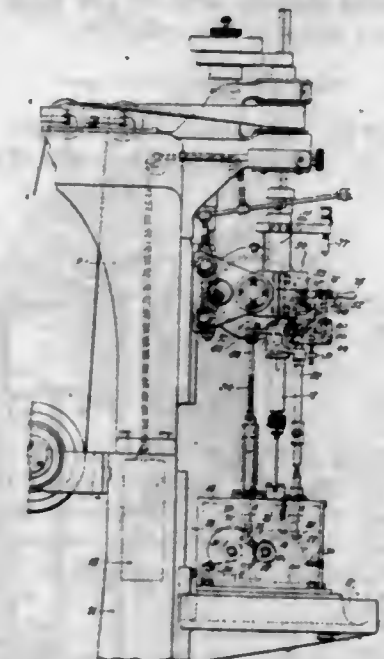
1. In a lamp, a ribbed reflector, the ribs thereof being located in planes which are oblique to the axis of the reflector and also oblique to a horizontal plane passing through the reflector.

1,513,846. STROKE-LIMITING DEVICE FOR AUTOMATIC MACHINES. JAMES F. MIRIELEES, Cincinnati, Ohio, assignor to Avey Drilling Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 7, 1921. Serial No. 443,031. 27 Claims. (Cl. 77-33.)

1. A machine of the class described comprising a reciprocating member, actuating means for said member,

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and means operated by the movement of said member for automatically releasing said member from said actuating means upon the completion of a predetermined plurality of reciprocations of said member.

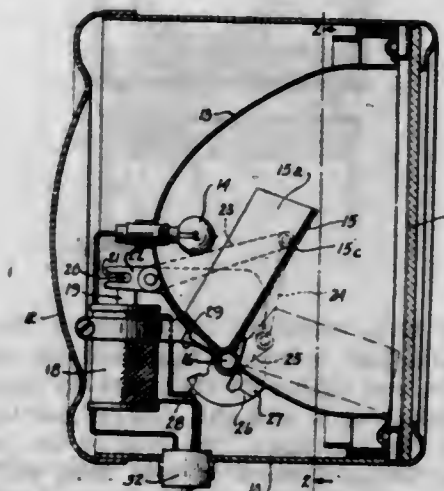


1,513,847. SLIDE FOR GARMENTS. ADOLPH MONTAN, West Orange, N. J., assignor to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Filed Oct. 16, 1922. Serial No. 594,766. 1 Claim. (Cl. 24-200.)



A garment slide comprising a wire bent to form a rectangular frame with side strands and end strands, one of the end strands grasping a side strand at one corner of the frame, said side strand extending along the end strand and then across the frame to form a central strand and being looped around the other end strand, said other end strand being slightly off-set where said loop occurs, said central strand having off-set portions at right angles to the plane of the slide and situated only near the ends of said central strand.

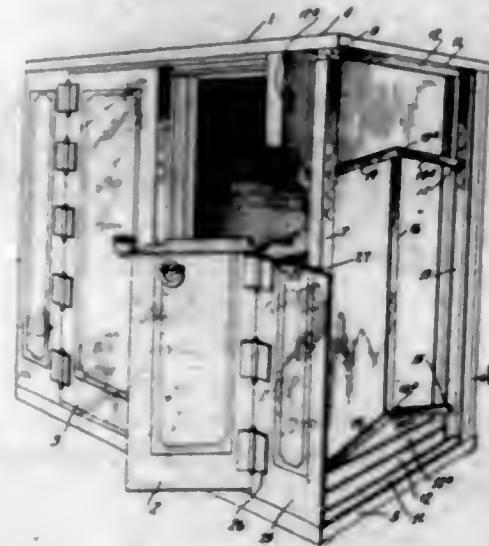
1,513,848. ANTIGLARE DEVICE FOR HEADLIGHTS. ARLINGTON MOORE, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 20, 1922. Serial No. 589,465. 3 Claims. (Cl. 240-45.)



1. In a headlight comprising a lamp and a reflector, a reflecting shield comprising a pair of substantially plane reflecting surfaces arranged at an angle to one another

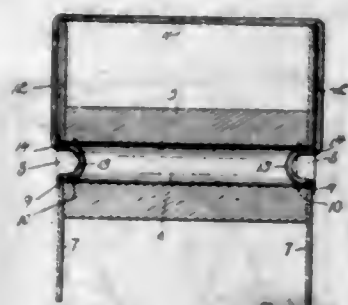
and arranged to extend upwardly below and in front of the lamp at an oblique angle, so as to reflect light rays striking the slides thereof next to the lamp laterally upward to the two sides of the reflector.

1,513,849. SAFE. MORTIMER H. MOORE, Chicago, Ill. Filed July 25, 1923. Serial No. 653,679. 5 Claims. (Cl. 109-1.)



1. In combination with a safe, a door supporting and conveying means comprising ways in a plane parallel to the side of the safe and perpendicular to the face thereof, a column provided at either end with anti-friction carriers adapted to move in said ways, a vertical support at one end of said ways and stabilizer bars interposed between said vertical support and said column so as to maintain the column in parallel relation with said vertical support, at the same time permitting its movement toward or away from the said vertical support, means for pivotally connecting said column with said door so that said door may swing into a plane parallel with said ways and be conveyed in said plane to a position parallel to the side of the safe or be withdrawn outwardly to a position where it will swing into closed relation with said safe.

1,513,850. REEL FOR STRIP MATERIAL. FREDERIC C. MORTON, New Haven, Conn., assignor to The Ansonia O & C Co., Ansonia, Conn., a Corporation. Filed Feb. 11, 1924. Serial No. 692,007. 1 Claim. (Cl. 242-70.)

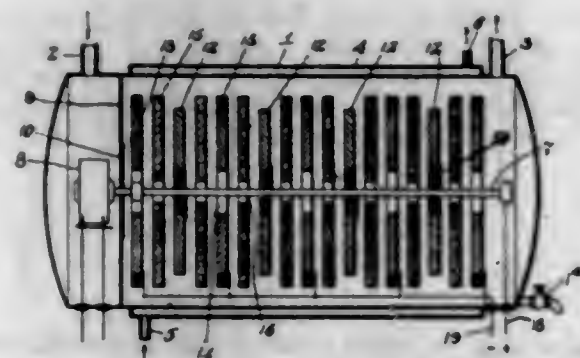


A reel for strip material, comprising a block formed with a longitudinal hole, disks applied to the ends of the said block and connected therewith by bushings, and a bale consisting of a straight, central portion crossing the edges of the two disks, the ends of the bale turned inward over the outer faces of said disks and terminating in semicircular bends adapted to closely fit into said bushings, the length of the ends of the bends corresponding to the distance from the edges of the bushings to the edges of the disks.

1,513,851. GREEN VAT DYE AND PROCESS OF MAKING SAME. PAUL NAWIARSKY, Ludwigshafen-on-Rhine, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-Rhine, Germany. Filed Dec. 12, 1923. Serial No. 680,262. 1 Claim. (Cl. 260-61.)

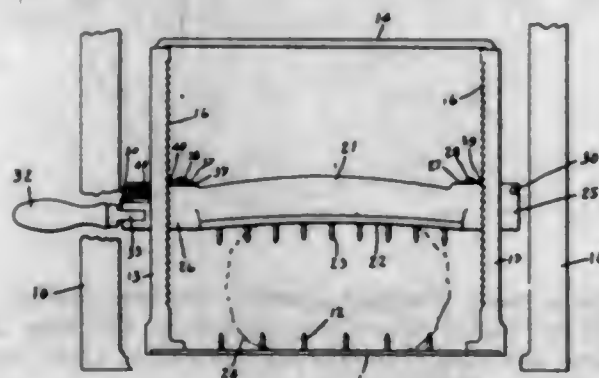
A new form of nitrated dibenzanthrone in which it dissolves in concentrated sulfuric acid with a pure bluish violet color and in which form it dyes cotton clear green shades and which new form after being treated for 6 hours at 180 degrees centigrade with its own weight of anhydrous aluminum chlorid and 20 times its weight of nitrobenzene, gives green dyeings which by the action of dilute hypochlorite solution turn black.

1,513,852. OZONIZER. FRED G. NIECE, Cleveland, Ohio. Filed Dec. 15, 1919, Serial No. 344,798. Renewed Apr. 1, 1924. 7 Claims. (Cl. 204-31.)



1. In an ozonizing apparatus, the combination of a closed chamber having supply and discharge ducts, whereby the air or oxygen being treated may be passed therethrough; a series of alternately spaced dielectric plates and discharge electrodes mounted in said chamber so as to be rotatable relatively to each other, each of said plates and every alternate electrode being centrally apertured to cause the air or oxygen treated to flow over each side of said plates and suitable electrical connections to said electrodes.

1,513,853. CLAMP FOR SLICING MACHINES. JOHN H. OSBORNE, Anderson, Ind. Filed Feb. 24, 1922. Serial No. 538,829. 4 Claims. (Cl. 146-217.)



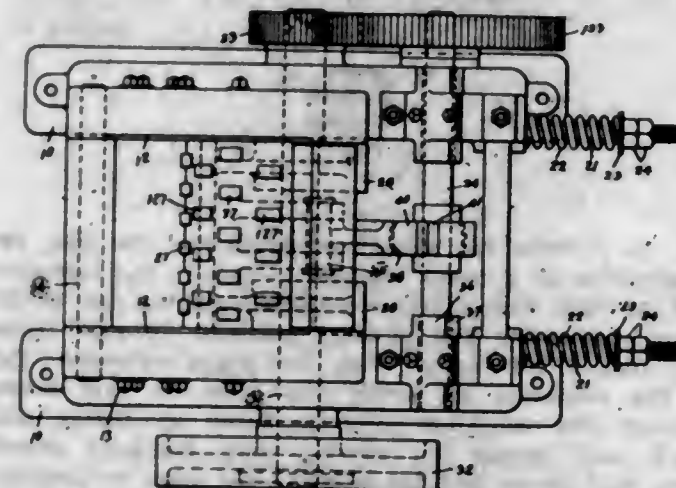
1. A clamp for a slicing machine or the like, comprising a clamping bar having an arched clamping face and outwardly curved portion providing a forwardly projecting lower ledge, means associated with both ends of the bar for adjustably supporting the same upon a slicing machine, and times supported by the forwardly projecting ledge in advance of the plane including said ends.

1,513,854. STEPLADDER LEG. RALPH E. PETTIFORD, Muncie, Ind. Filed Oct. 12, 1921. Serial No. 507,171. 5 Claims. (Cl. 228-63.)



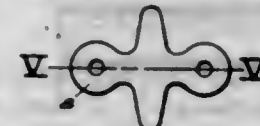
1. An extension device for a ladder leg, comprising an extension member having spaced recesses in its face, a yoke adapted to be secured to the ladder leg and to loosely engage the extension member, means to bind the yoke to the ladder leg and which means is engaged by one of said recesses, and means on the yoke to clamp the extension member at the said engaged position.

1,513,855. CRUSHER. PAUL PHELPS, Louisville, Ky., assignor to Vogt Brothers Mfg. Co., Louisville, Ky. Filed Jan. 13, 1923. Serial No. 612,384. 8 Claims. (Cl. 83-53.)



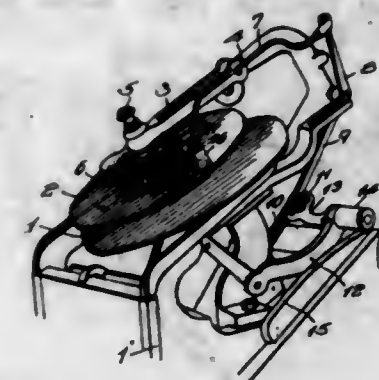
1. A crusher having a crusher plate, and a plurality of actuating means connected and associated with said plate for creating a plurality of relief of pressure movements at one portion thereof during the crushing operation at the other portion thereof.

1,513,856. OPHTHALMIC MOUNTING. LAWRENCE POETON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 5, 1920. Serial No. 401,410. 1 Claim. (Cl. 88-42.)



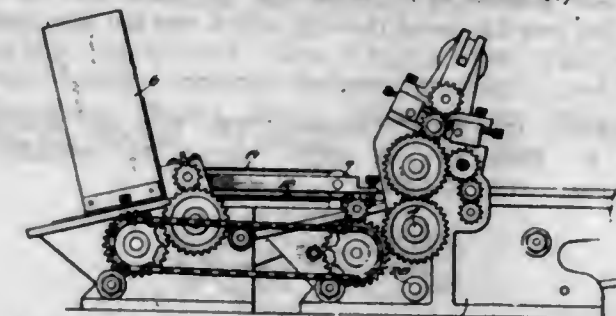
A blank for a lens strap liner comprising a strip of dextile material having lens screw apertures formed therethrough and having bosses surrounding the apertures on both sides whereby the projections to one side will interlock with a strap to retain the liner in position prior to mounting and the bosses on the opposite side will interlock with and cushion the lens when the device is in operative position.

1,513,857. FOUNTAIN FEED. CLAUDE L. POST, Chicago, Ill. Filed Feb. 8, 1922. Serial No. 534,891. 3 Claims. (Cl. 101-195.)



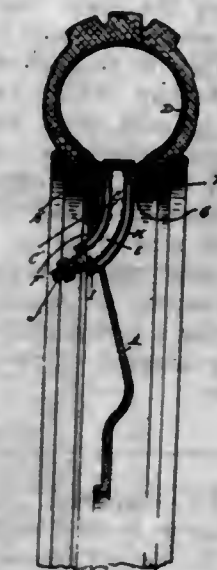
1. In a device of the kind described and in combination, a rotary disk, drive means for rotating said disk, a supply reservoir mounted on said disk and movable therewith, and means controlled by the movement of said reservoir for feeding the material therefrom to the face of said disk.

1,513,858. ENVELOPE-FEEDING MECHANISM. CLAUDE L. POST, Chicago, Ill. Filed Sept. 28, 1922. Serial No. 591,107. 8 Claims. (Cl. 271-6.)



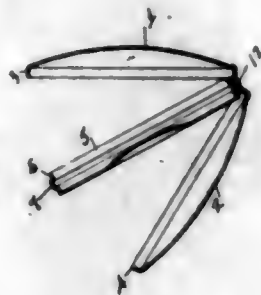
1. In combination with means for holding a supply of envelopes and printing rolls spaced therefrom, of means for positively feeding said envelopes successively from said supply and conveying them to said rolls, means intermediate said rolls and supply for aligning and centering said envelopes while being conveyed, and means frictionally engaging and retarding said sheets as they are discharge from said centering means.

1,513,859. DISK WHEEL. ALDEN L. PUTNAM, Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del., a Corporation of Delaware. Filed June 9, 1919. Serial No. 302,645. 2 Claims. (Cl. 301-63.)



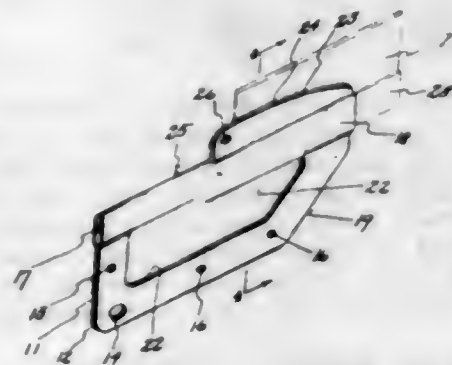
1. The combination of a disk wheel having its peripheral portion in front of the central plane of impact of the wheel and provided with an aperture near the periphery thereof, a rim mounted on said disk having an aperture in the central plane thereof for the tire inflation tube, and guiding means for the inflation tube from said central aperture to the aperture in the disk.

1,513,860. HINGE STRUCTURE. FREDERICK REUTTER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 26, 1922. Serial No. 609,147. 4 Claims. (Cl. 220—32.)



1. A box for toilet accessories and the like, a bottom member, a cover, and an intermediate partition, and a hinge pivotally associating these members, said hinge including a pair of straps secured respectively to the cover and the bottom, the edges of the straps being turned to form interengaging knuckle loops, a pin passing through these loops, and a loop member carried on the partition member but independent thereof and having a loop end projecting through the partition and in line with the knuckle loops through which the pin also passes.

1,513,861. CUTTER. JOSEPH WM. RIEGER, Brooklyn, N. Y. Filed Oct. 9, 1923. Serial No. 667,462. 3 Claims. (Cl. 30—10.)



1. A razor blade holder comprising a unitary piece of material folded intermediate its width, a channel provided by deforming the plate longitudinally and parallel to the fold, the portions of said plate extending from the deformed part lying in contact with each other and being secured together by rivets, the folded over and contacting portions of said plate being adapted to receive a razor blade therebetween, an inclined edge at one end of the holder being adapted to expose the corner of a razor blade, ridges extending from the turned-over corners of the plate and lying in contact with each other, one end of said ridges being riveted together, the channel being adapted to receive the guarded edge of a razor blade having a folded plate enclosing one edge, and the ridges being adapted to retain a razor blade in position in the holder.

1,513,862. RATCHET HANDLE. MALCOLM D. RIKER, Dover, N. J., assignor to McKiernan-Terry Drill Company, New York, N. Y., a Corporation of New Jersey. Original application filed Dec. 26, 1918. Serial No. 268,347. Divided and this application filed Oct. 23, 1919. Serial No. 332,710. 13 Claims. (Cl. 74—54.)

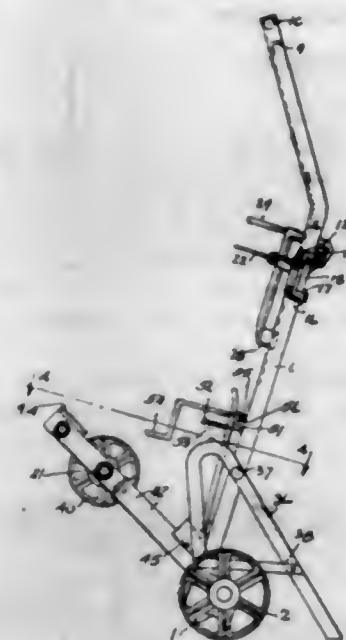
1. Ratchet mechanism comprising a toothed member, having two circular hubs and a housing having a side provided with a circular opening for the reception of one

of the hubs and another integral side inclined from said first mentioned side provided with a circular opening and arranged to be bent down over the other of



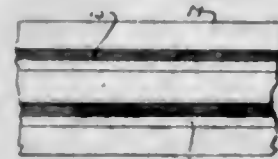
said hubs into parallelism with said first mentioned side, and a spring-pressed pawl radially slidable in said housing.

1,513,863. TRUCK. HERBERT B. SABIN, Cleveland Heights, Ohio. Filed Feb. 27, 1922. Serial No. 539,470. 13 Claims. (Cl. 214—65.4.)



1. In a truck for metal containers and the like, the combination of a frame adapted to receive the container and provided with traction wheels, clamping and lifting means adjustably and slidably mounted on said frame and adapted to engage with the upper extended edge of the container to secure the same on said frame whereby the container may be lifted by tilting said truck, and means for moving said clamping means along said frame and for securing the same in position.

1,513,864. AIR-COOLED BRAKE OR CLUTCH. CHARLES D. SCHMIDT, Jamaica, N. Y. Original application filed May 16, 1922. Serial No. 561,350. Divided and this application filed Apr. 10, 1924. Serial No. 705,480. 4 Claims. (Cl. 188—264.)



3. A lining for brakes and clutches formed with air spaces extending lengthwise of the lining surface opposite the braking surface of the lining, said opposite surface being adapted to contact with a supporting means at separated areas.

1,513,865. RED-LEAD PAINT. BERNARD SEMENZA, New York, N. Y., assignor of forty per cent to Patrick Welch, New York, N. Y. Filed Dec. 12, 1923. Serial No. 680,259. 3 Claims. (Cl. 134—51.)

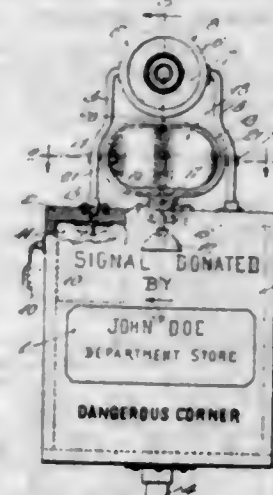
2. A paint comprising in the proportions of 3 pounds of red lead, 1 pound of plaster of Paris, and equal parts of linseed oil and turpentine.

1,513,866. SELF-CLOSING MOUTHPIECE FOR BAGS OR POUCHES. WILLIAM E. SHERIDAN, East Orange, N. J. Filed Aug. 18, 1922. Serial No. 582,589. 4 Claims. (Cl. 150—8.)



1. A self-closing mouthpiece for bags or pouches comprising a substantially thin body of a resilient material, the opposite face-portion of said body being flat, and having oppositely located depressions bounded by inwardly tapering surface-portion meeting centrally within said body, and normally in contact to provide a closing slit, said meeting portions being separable so as to provide an opening, when pressure is applied upon opposite points of said body.

1,513,867. DANGER SIGNAL. JOHN FIELDS SMILEY, Dallas, Tex. Filed Dec. 18, 1922. Serial No. 607,695. 2 Claims. (Cl. 240—22.)

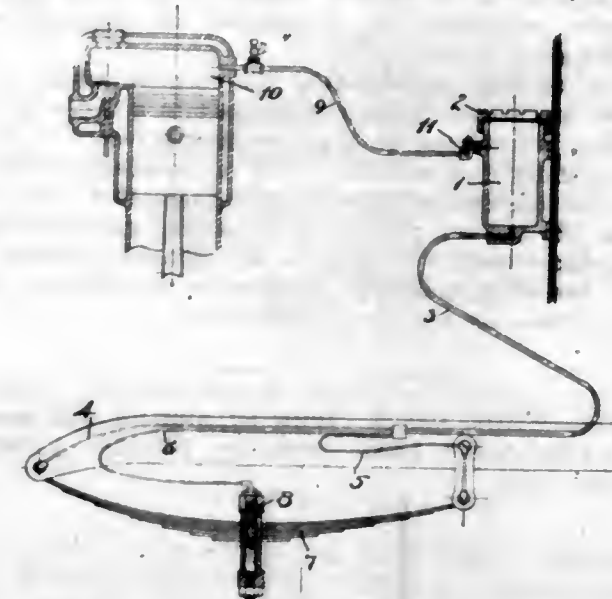


1. A danger signal comprising a base, a pair of vertically disposed spaced standards rising therefrom, a signal light carried by the upper ends of said standards, an open frame mounted between the lower end portions of said standards, and a reflector including wind vanes rotatably mounted in said frame.

1,513,868. LUBRICATING SYSTEM. BENJAMIN C. SMITH, Westfield, N. J. Filed Mar. 28, 1922. Serial No. 547,385. 2 Claims. (Cl. 184—7.)

1. A lubricating system for automobiles and the like comprising, a container for holding a supply of relatively thick lubricant, such as grease, with means for making the same air tight at one end, a lubricant outlet at the other end and a delivery pipe leading therefrom to its destination, the bore of said delivery pipe being

sufficiently small to prevent the passage of said lubricant excepting under heavy pressure, and means for applying heavy pressure within the cylinder at the end



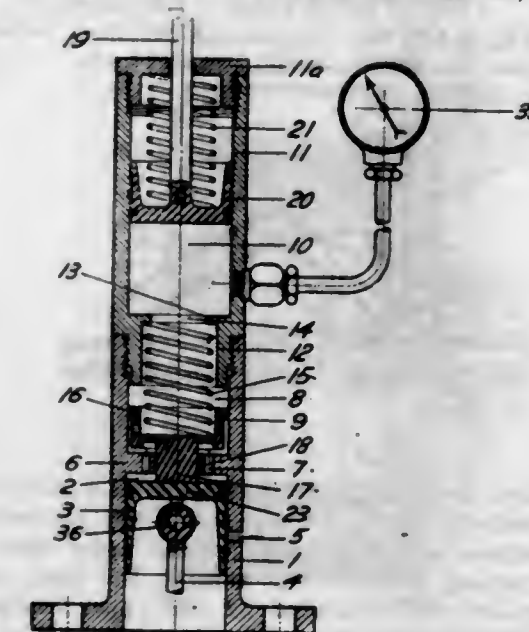
opposite the delivery pipe, said means being connected with the combustion chamber of an internal combustion engine.

1,513,869. BUTTONS AND MEANS FOR GROUPING THE SAME. NATHAN SPARER, Somerville, and MAX HALPERSON, Boston, Mass. Filed Apr. 22, 1924. Serial No. 708,306. 5 Claims. (Cl. 24—93.)



1. A covered button adapted for decorative purposes having front and back portions assembled to form said button, both of said portions having covers; and spurs forming part of and projecting from said back portion and piercing the cover thereof whereby said button may be attached to an article by said spurs.

1,513,870. METHOD AND DEVICE TO USE MULTIPLIED PRESSURES FOR AUTOMATIC ALTITUDE ADJUSTMENTS FOR AIRCRAFT. STANWOOD W. SPARROW, Middleboro, Mass. Filed July 25, 1923. Serial No. 653,826. 8 Claims. (Cl. 230—27.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a device of the class described, a reservoir having a movable element, means to pump air into the reservoir to cause the pressure of the air in the reservoir

to become a constant multiple of the surrounding atmospheric pressure, and a valve interposed between the pumping means and the reservoir, said valve having means adapted to be opened positively for a portion of each cycle to permit an equalization of reservoir and pump pressure.

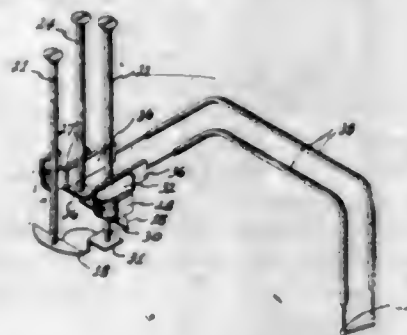
7. The method of adjusting an element which controls the driving mechanism of aircraft to altitude which comprises the storage of a gas within a reservoir at a pressure which is a multiple of the atmospheric pressure where the storage is effected, and thereafter introducing gas into the reservoir or withdrawing gas therefrom in accordance with variations in atmospheric pressure as may be needed to make the pressure in the reservoir the same multiple of atmospheric pressure.

1,513,871. SHOE LACE. JOHN STANIEWICZ, Baltimore, Md. Filed Apr. 1, 1924. Serial No. 703,428. 1 Claim. (Cl. 24-143.)



A shoe lace comprising a plurality of non-elastic threads woven together closely at the intermediate portion of the lace and interwoven at the end portions of the lace in substantially cylindrical form, elastic strands disposed longitudinally through the cylindrical end portion and tips applied over the extremities of said end portions and circumferentially crimped at their end edges into the end portions and thereby laterally contracting the elastic strands.

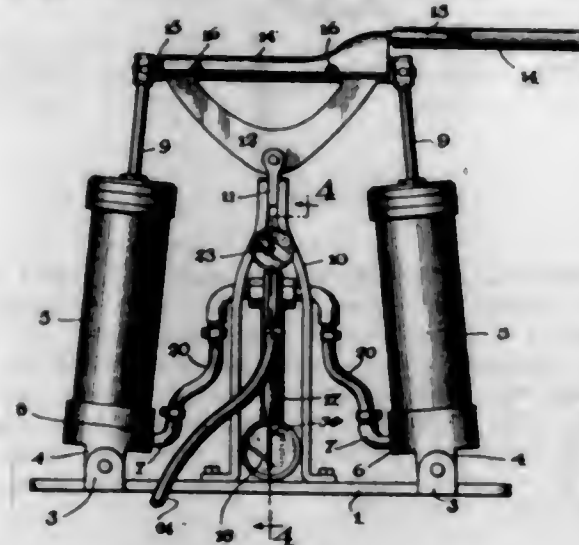
1,513,872. CIRCUIT-CONTROL EXTENSION FOR ELECTRIC LAMPS. LEONARD G. STURDY, Joliet, Ill. Filed June 2, 1921. Serial No. 474,432. 1 Claim. (Cl. 24-143.)



A pendant switch structure comprising a body of insulating material having upper and lower sections, and having pockets at the juncture of the upper and lower sections opening through one side of the body, an external contact sleeve carried by the upper section, an internal contact sleeve carried by the lower section, bolts of conducting material extending through said sections and engaging said sleeves to retain the sleeves and sections in place and electrically connect said sleeves, a cen-

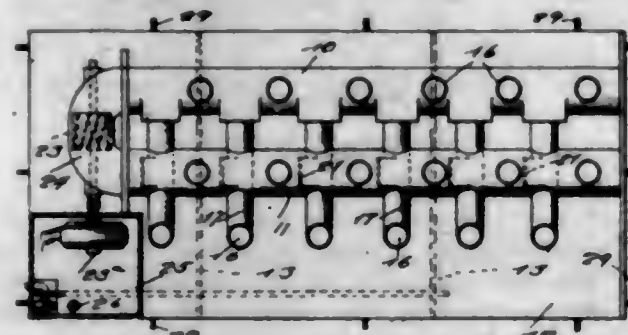
tral contact carried by the upper end of said upper section, a central contact within said lower section, spaced contacts within said pockets adapted to be engaged by cooperating contacts of a circuit completing plug removably engageable with said body, tongues extending from said spaced contacts, means electrically connecting one of said tongues with the central contact of the lower section and anchoring the two contacts to the lower section, and a bolt of conducting material extending through the upper section and holding the upper central contact in place and electrically connecting the same with the tongue of the second spaced contact.

1,513,873. AIR PUMP. SAMUEL TASKY, Danville, Ill. Filed Nov. 2, 1923. Serial No. 672,337. 2 Claims. (Cl. 230-27.)



1. A pump comprising a stand, a pair of cylinders pivoted upon the stand, pistons slidably mounted in the cylinders, means for moving the pistons simultaneously in opposite directions, a fitting mounted upon the stand, air pipes connecting the fitting with the cylinders and having controlling valves, a pressure gage carried by the fitting, a second pressure gage connected with the fitting, a valve controlling the last mentioned gage and a delivery pipe connected with the last mentioned gage.

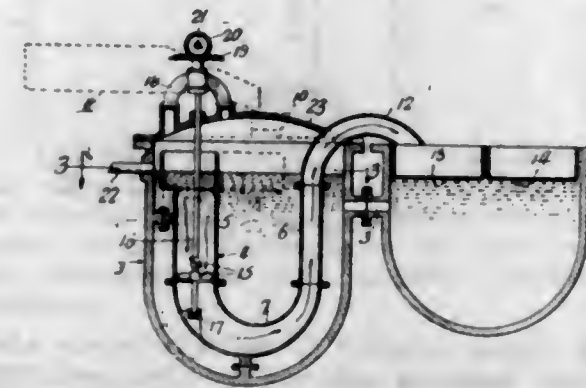
1,513,874. WAVE MOTOR. MORRELL J. UFFORD, Upland, Calif. Filed Dec. 29, 1923. Serial No. 683,400. 4 Claims. (Cl. 253-5.)



4. A wave motor of the character described comprising a float adapted to be anchored in a submerged position, means connected to the float whereby the buoyancy of the float may be increased or decreased, a pair of parallel pipes mounted upon the float, each of said pipes being closed at one end, the opposite ends of the pipes being connected to each other, one of said pipes constituting an inlet pipe and the other an outlet pipe, a water motor disposed between the discharge end of the inlet pipe and the inlet end of the outlet pipe, said motor being adapted to be connected to mechanism to be driven, a plurality of receiving pipes carried by the

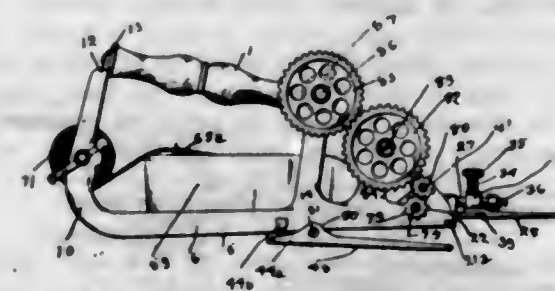
float open at their upper ends and extending downward and then extending through the outlet pipe and opening into the inlet pipe, a plurality of check valves mounted at the discharge end of each receiving pipe and adapted to open inward under pressure into the inlet pipe but normally being closed by gravity, each receiving pipe having an opening into the outlet pipe, and check valves controlling passage through said opening, said check valves opening inward into the penstock but being normally urged to a closed position.

1,513,875. METHOD OF MELTING SCRAP METAL. ERWIN L. WILKE, Hammond, Ind., assignor to Metals Refining Company, Hammond, Ind., a Corporation of Indiana. Filed Dec. 4, 1922. Serial No. 604,663. 9 Claims. (Cl. 266-37.)



1. The method of melting scrap metal, which consists in introducing the scrap into a moving stream of molten metal, and discharging the mixture of the stream into a separating device for removing the nonmelted portions of scrap therefrom.

1,513,876. MAILING MACHINE. HENRY C. WING and HOWARD E. WING, Greenfield, Mass. Filed Oct. 29, 1919. Serial No. 334,327. 2 Claims. (Cl. 216-30.)

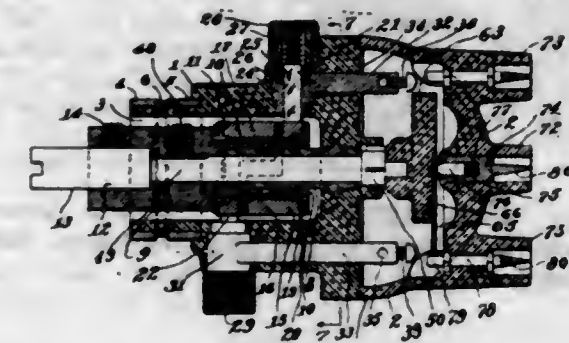


1. An addressing machine having a frame, a fixed cutter member on said frame, a swinging cutter member on said frame, means for operating said cutter member consisting of a member hinged to said frame and provided with a laterally extending arm, a second arm adjustable and detachably secured to said first arm whereby its relation may be varied or the same may be replaced, and a third arm associated with the movable cutter member adapted to be engaged by said second arm.

1,513,877. ELECTRICAL IGNITION APPARATUS. BUTLER AMES, Lowell, Mass. Filed June 20, 1919. Serial No. 305,518. 16 Claims. (Cl. 200-21.)

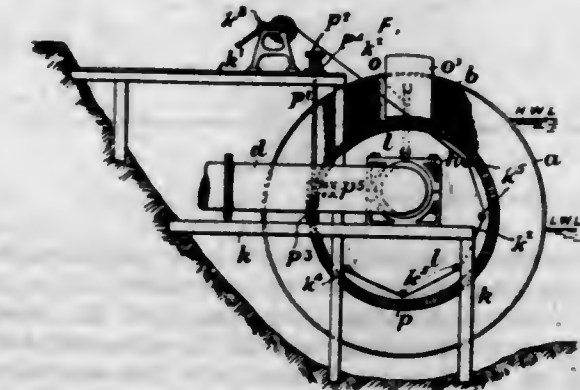
3. In an ignition apparatus, a supporting casing moulded from insulating material, a journal therein, a

spindle mounted in said journal, a commutator on said spindle, brush-holders in said casing, brushes in said holders for co-operation with said commutator, and ter-



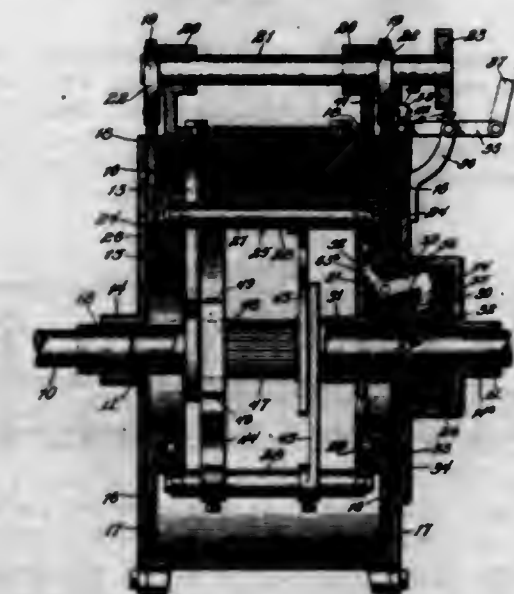
minal posts secured to said brush-holders, said journal and brush-holders and posts being moulded in said casing.

1,513,878. STRAINER OR FILTERING DEVICE FOR WATER AND OTHER LIQUIDS. HERBERT CHARLES ANTHONY, Newcastle-upon-Tyne, England. Filed Dec. 23, 1920. Serial No. 432,774. 14 Claims. (Cl. 210-199.)



1. A strainer for water and other liquids, comprising a filter screen, a draw-off pipe having its open end enclosed by the screen and the latter eccentrically mounted thereon, and means permitting the screen to be revolved eccentrically about the axis of the draw-off pipe to vary the depth of immersion of the screen.

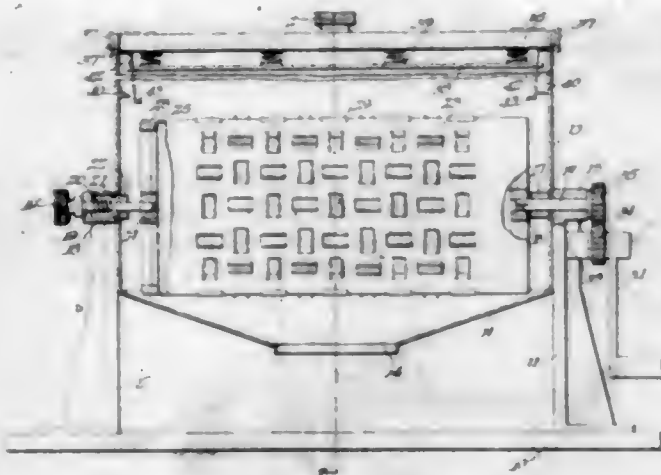
1,513,879. TRANSMISSION. JOSEPH ARNER, Washington, D. C. Filed Mar. 6, 1924. Serial No. 697,327. 20 Claims. (Cl. 74-14.)



1. In a transmission, a drive shaft, a driven shaft, a gear on the driven shaft, a plurality of racks associated with the gear, means connecting the racks and drive shaft for rotating the racks about the gear and

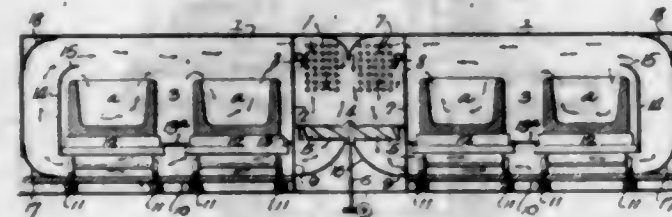
for shifting the racks across the gear, adjustable to vary the length of shift of the racks across the gear, and means for successively engaging the racks with the gear during a predetermined period of each rotation about the gear and disengaging the racks from the gear during the remainder of such rotation adjustable to maintain said racks out of engagement with the gear during the entire rotation of the racks about the gear.

1,513,880. VEGETABLE CUTTER. JOSEPH ANTONANO, Roanoke, Ill. Filed June 18, 1923. Serial No. 646,148. 1 Claim. (Cl. 146-92.)



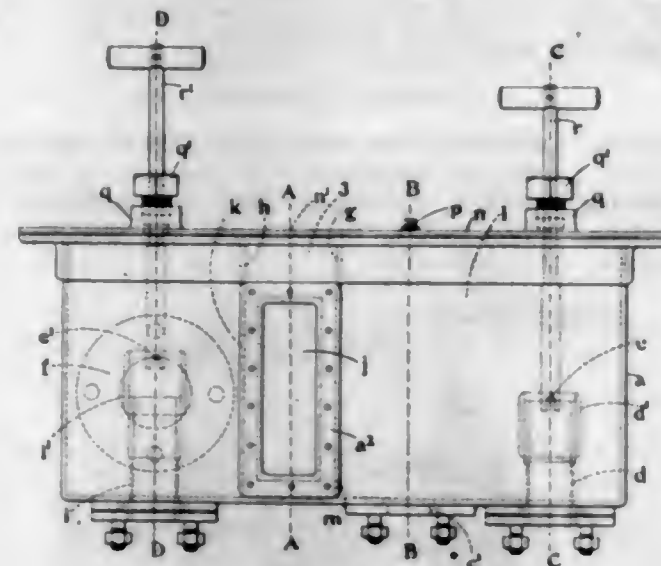
A vegetable cutter comprising a pair of standards, a housing between and carried by said standards, a shaft on one of said standards projecting into the housing, a driving shaft projecting into the housing and having a bearing in the other standard, the two shafts being adapted to engage and support a drum within said housing, a drum removably carried by said shafts, yielding means for pressing one of said shafts into engagement with said drum, the shaft being longitudinally movable, said housing having an inlet opening above the drum and a discharge opening in its bottom below the drum, a cover for said inlet opening, a guide carried by said cover and depending into the housing, a spring pressed follower associated with said guide, means on said guide for limiting the movement of the follower away from said cover, the follower and guide being removable with the cover from the housing.

1,513,881. PROCESS OF DRYING HOLLOW ARTICLES. ELWOOD B. AYRES, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 27, 1922. Serial No. 377,899. 1 Claim. (Cl. 34-24.)



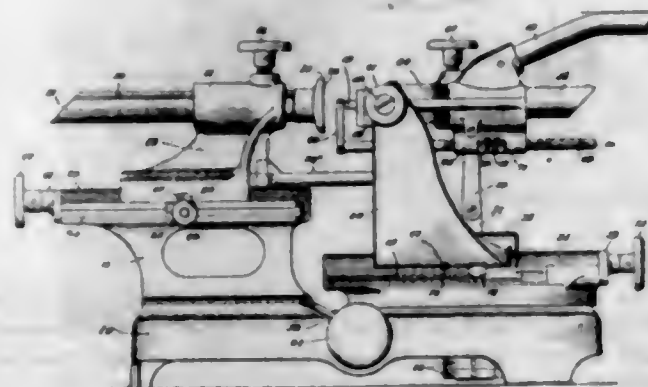
The process herein described of drying hollow articles having open tops, said process consisting in circulating heated air first under each article and then past the opening therein at a speed sufficient to cause a partial vacuum to be formed within each article to cause a circulation of heated air in the articles.

1,513,882. SEPARATOR EMPLOYED FOR THE SEPARATION OF LIQUIDS OF DIFFERENT DENSITY. WILLIAM HENRY BATEMAN, London, England. Filed May 4, 1923. Serial No. 636,709. 7 Claims. (Cl. 210-51.)



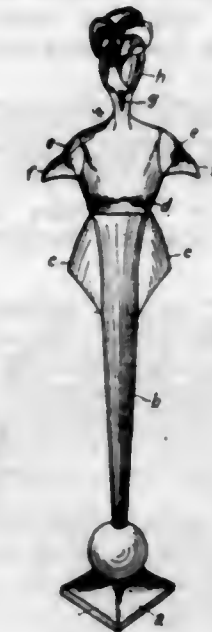
1. An outflow regulator for use with vessels adapted to contain liquids of different densities, comprising a closed casing, means for separately admitting the denser and less dense liquids into the said casing from the said vessel, means within the said casing to maintain therein columns of the liquids of determined height, outlets from the said casing for the discharge of the respective liquids, and means connecting the said casing with the vessel containing the liquids to equalize the pressure conditions in the said vessel and above the respective columns of liquids in the said casing.

1,513,883. MACHINE FOR FORMING LENS-GRINDING TOOLS. CARL L. BAUSCH, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,658. 15 Claims. (Cl. 82-12.)



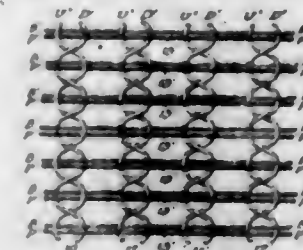
1. In a machine of the class described, the combination of a frame, an arbor mounted in said frame for adjustment longitudinally thereof, a support on said frame, a second arbor in said support with an end adjacent an end of said first mentioned arbor and mounted for oscillating movement about a plurality of axes, means for adjusting said arbor relatively to each of said axes, and a tool on one of said adjacent arbor ends for cooperation with work carried by the other.

1,513,884. LAY FIGURE FOR DISPLAYING GARMENTS. RUDOLF BELLINO, Berlin, Germany. Filed Oct. 2, 1922. Serial No. 591,907. 1 Claim. (Cl. 211-13.)



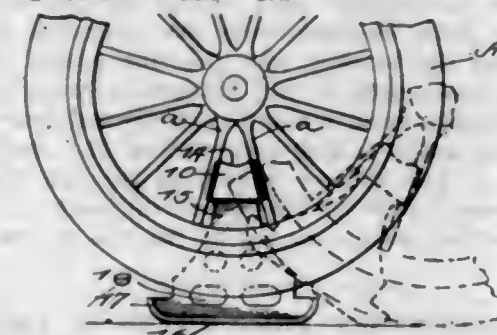
A lay figure comprising a support forming downwardly tapering body, a base on which said support is mounted, truncated extensions on said body and adjustable, detachable and interchangeable members on said extension.

1,513,885. TEXTILE FABRIC AND METHOD OF FABRICATING THE SAME. GODFREY S. BLOCH, New York, N. Y. Filed Apr. 11, 1924. Serial No. 705,762. 12 Claims. (Cl. 139-392.)



1. The method of weaving a pile fabric or a fabric adapted to be converted into a pile fabric, which comprises weaving one or more portions of such a fabric in leno weave or passing one or more of the pile threads together with one or more of the binder threads through the same shed or leno warp sheds formed by a co-operating pair or pairs of leno warp threads of a part at least of the leno woven portion or portions of the fabric.

1,513,886. JACK. QUAIL BOURLAND, Gallon, Ohio, assignor to The National Grave Vault Company, Gallon, Ohio, a Corporation of Ohio. Filed Sept. 4, 1923. Serial No. 660,912. 2 Claims. (Cl. 254-94.)



1. A jack of the character described comprising a head having upwardly converging side faces, the side faces being concave, the head being formed with an integral web extending laterally and downwardly, said web con-

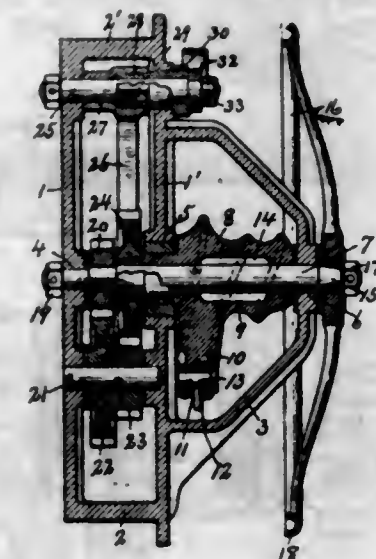
stituting a leg and the lower end of the leg being formed with an integral angularly disposed flange located upon the leg and forming a tread member, the flange being longitudinally curved, the inner face of the flange being formed with a longitudinally extending groove; cushioning material disposed within the concave side faces and fitting the same, a wire holding the cushioning material in place and forcing the cushioning material into said groove whereby the wire is disposed flush with the cushioning material.

1,513,887. WINDOW. OLIVER S. BOWMAN, Colorado Springs, Colo. Filed Jan. 3, 1924. Serial No. 684,221. 13 Claims. (Cl. 20-53.)



1. In a window of the class described including in combination, a window frame having screws, with convex ends, in the sill, and screws, with bifurcated ends, in the jambs; a window sash having screws, with concave ends, in its lower rail, mounted on the convex ends of said screws in said sill; and a window sash having screws, each having a tongued end, in its bottom rail, mounted on the bifurcated ends of said screws in said jambs; for the purposes set forth.

1,513,888. CAR-BRAKE-OPERATING MECHANISM. WILLIAM D. BREWSTER, Syracuse, N. Y., assignor to National Brake Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Nov. 10, 1923. Serial No. 673,999. 2 Claims. (Cl. 254-149.)



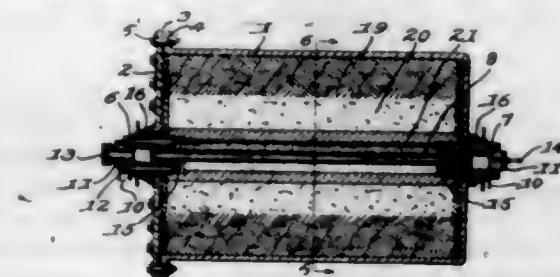
1. In a brake-operating device, a frame having opposite end journal bearings and an intermediate journal bearing coaxial with the end bearings, a rotary shaft extended through the intermediate bearing and journaled in the end bearings, means for rotating the shaft, a rotary drum journaled in the intermediate bearing coaxial with the shaft, means for transmitting rotary motion from the shaft to the drum, and a brake-operating cable attached to the drum.

1,513,889. FOUNTAIN PEN FOR RECORDING INSTRUMENTS. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 13, 1921. Serial No. 484,519. 1 Claim. (Cl. 234-1.)



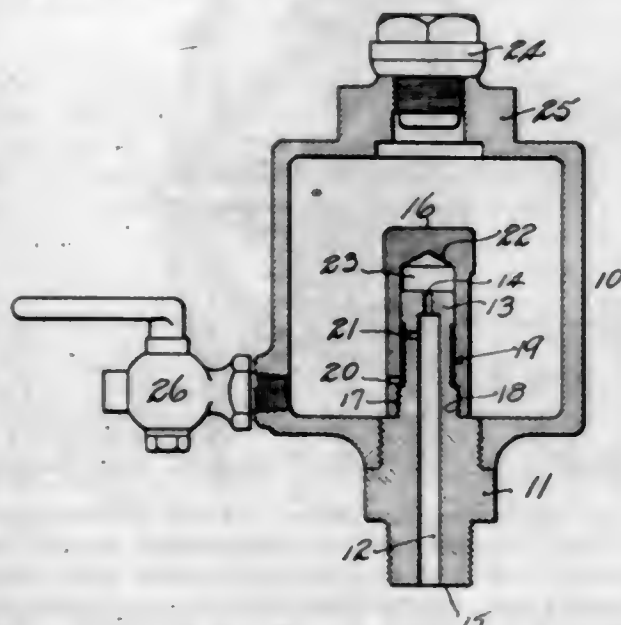
A fountain pen for a recording instrument adapted to replace an ordinary recording pen in the spring clip pen holder of such instrument, and comprising a reservoir of flattened, wedge-like cross section adapted to be held securely in the clip; said reservoir being closed at its bottom and provided with a hollow stylus receiving its supply from the reservoir, and at its top reduced rearwardly to facilitate insertion in the clip, and to provide an opening for its replenishment without removal from the clip.

1,513,890. ELECTRIC FURNACE OF THE RESISTOR TYPE. HARRY BRYAN, ARNON L. MEHRING, and WILLIAM H. ROSS, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Oct. 24, 1923. Serial No. 670,546. 2 Claims. (Cl. 204-64.) (Filed under the act of Mar. 3, 1883, 22 Stat. L. 625.)



1. An electric furnace comprising a cylindrical graphite resistor supported by graphite bushings which make sliding contact with said resistor, water-cooled cylindrical terminals for supporting said graphite bushings, and a sheet iron furnace casing making air-tight connection with the said water-cooled cylindrical terminals.

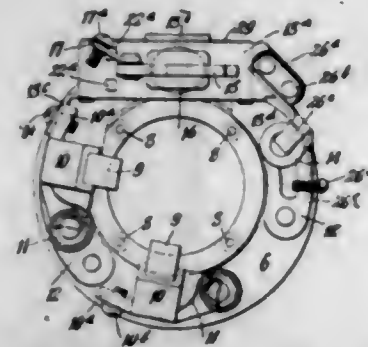
1,513,891. LUBRICATOR. CHARLES L. BUBB, Williamsport, Pa. Filed Nov. 22, 1922. Serial No. 602,586. 6 Claims. (Cl. 184-58.)



1. A lubricator of the class described including an attaching stem having a central bore, a lubricant receptacle carried by said stem and receiving one end thereof, a thimble-like cap fitted over the end of the

stem within the receptacle and having means cooperating with lubricant conveying means on the stem for establishing communication between the receptacle and the bore, and also having means cooperating with the stem to provide a relatively large heating chamber within the receptacle for maintaining the oil in fluent condition.

1,513,892. DYNAMO REGULATOR. FREDERIC H. BULLINGER, Yonkers, N. Y., assignor to Ward Leonard Electric Company, a Corporation of New York. Filed Dec. 17, 1920. Serial No. 431,322. 9 Claims. (Cl. 171-229.)



1. The combination of a dynamo and an electric circuit controller for controlling the output of said dynamo, said controller comprising a frame carried by the brush frame of the dynamo, said controller frame having a portion thereof contacting with and in direct electrical connection with a brush holder of one of the dynamo brushes, said frame also forming a terminal of said controller.

1,513,893. FISHING REEL. JOSEPH C. COLEMAN, Kokomo, Ind. Filed Apr. 15, 1922. Serial No. 552,919. 3 Claims. (Cl. 242-84.5.)

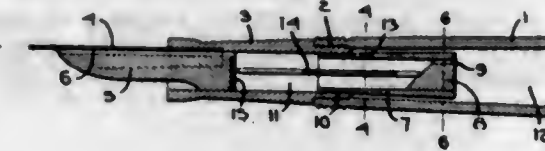


1. A fishing reel comprising a support, a bracket connected to the support, said bracket having an extension, a line guide engaged with the extension, a shaft threaded into the bracket, and the line guide, for connecting the line guide to the bracket, a brake member including a brake band connected to the extension adjacent the line guide, a reel mounted on the shaft, said reel having a hub member extending through the band into engagement with the line guide, and adjustable and yieldable holding means carried by the end of the shaft,

1,513,894. FOUNTAIN PEN. MARTIN R. CROSSMAN, Boston, Mass. Filed June 23, 1922. Serial No. 570,423. 1 Claim. (Cl. 120-42.)

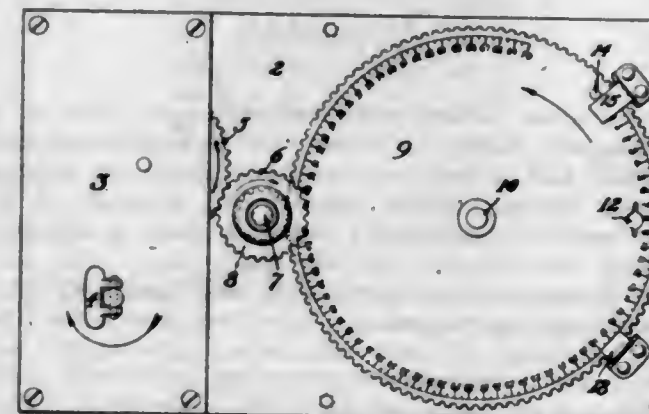
In a fountain pen, the combination with a barrel having a main ink reservoir, of a separable section detachable from the barrel, a pen point and a feed bar car-

ried by the outer end of said separable section and a cup-shaped plug having its open end inserted into the inner end of the separable section and its closed end projecting into the main ink reservoir, said plug form-



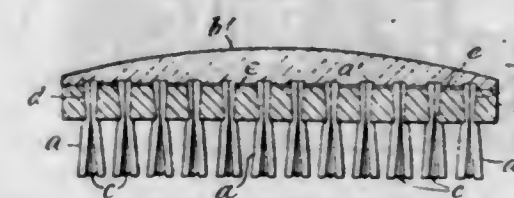
ing with the separable section an auxiliary ink reservoir, the wall of said plug having a lateral opening at a point beyond the separable section which forms a communication between the main ink reservoir and the chamber within the hollow plug.

1,513,895. TIME-CONTROLLED KEYHOLE GUARD. ROBERT DE VIVO, Saratoga Springs, N. Y. Filed May 22, 1923. Serial No. 640,764. 1 Claim. (Cl. 70-26.)



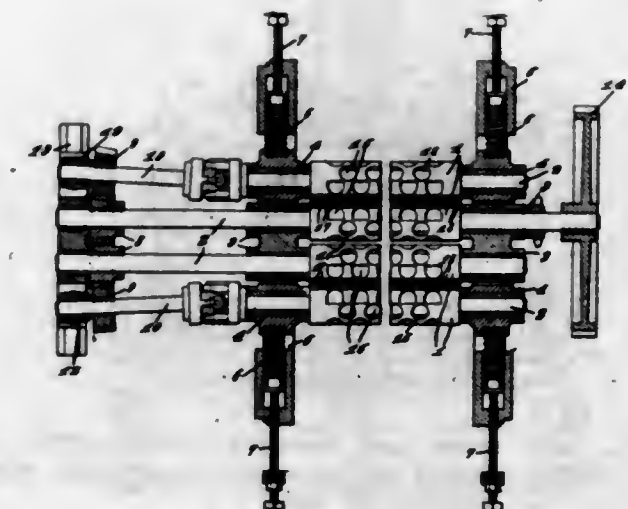
In a device of the class described, a frame; a toothed disc, with a key hole therethrough and a pin projecting therefrom, pivoted on said frame; a stop adapted to prevent complete rotation of said disc; a gear wheel driven by a clock mechanism; a second gear wheel, with a pinion fastened thereto and in mesh with said toothed disc, normally held in engagement with said clock driven gear wheel by a spring; and means whereby said second gear wheel may be disengaged from said driven gear wheel so as to permit counter rotation of said second gear wheel, pinion, and toothed disc.

1,513,896. BRUSH. CLARA ALBERTA DON, London, England, assignor to Frances Maud Cousineau, Toronto, Ontario, Canada, and London, England. Filed Feb. 9, 1923. Serial No. 617,987. 2 Claims. (Cl. 15-196.)



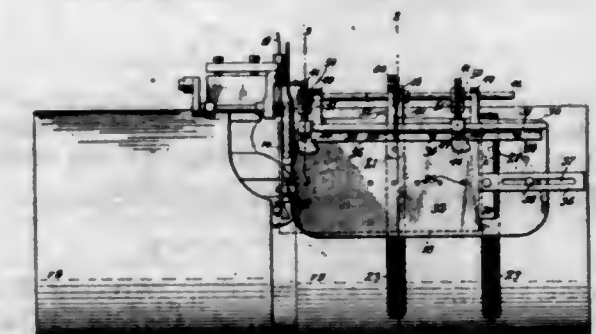
1. In a rubber brush, the combination of cut elastic strands formed into loops, a backing with taper holes adapted to nip and compress the loops, retaining cords passed transversely through the loops behind the backing, and an outer cover applied over the back of the brush, substantially as described.

1,513,897. SNAPPING ROLL. FRED B. DUES, Minster, Ohio. Filed Apr. 17, 1922. Serial No. 553,473. 2 Claims. (Cl. 130-5.)



1. In a corn harvester, superposed pairs of snapping rolls each having longitudinal grooves extending from end to end and longitudinal series of pockets disposed in staggered relation between the grooves, each groove and each pocket having one wall disposed radially of the axis of rotation of the roll and having its other wall perpendicular to the radial roll.

1,513,898. LOOPING MACHINE. FRANK W. FLECKSER, Lockport, N. Y., assignor to Mary F. Ward, Lockport, N. Y. Filed July 28, 1921. Serial No. 488,076. 5 Claims. (Cl. 112-2.)

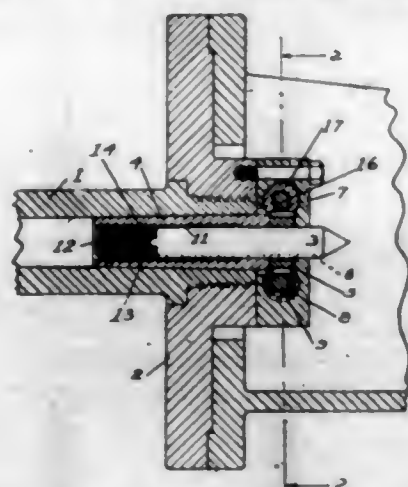


1. A looping machine comprising means for producing a perforation in an article, a carrier for said article movable forwardly and backwardly relatively to said perforating means, and a gripper mounted on said carrier and having a yielding pin adapted to engage said article.

1,513,899. EXTENSIBLE HEADSTOCK CENTER FOR LATHES. FREDERICK S. FLOETER, Saginaw, Mich., assignor to Wickes Brothers, Saginaw, Mich., a Corporation of Michigan. Filed July 3, 1922. Serial No. 572,752. 1 Claim. (Cl. 82-33.)

In a lathe center, the combination of an internal hollow threaded sleeve, a lathe center rotatable with and longitudinally movable in said sleeve, a plug threaded in the bore of said sleeve and rotatably connected with

said center, a housing secured to said face-plate, a worm wheel within said housing, said worm wheel feathered to said center, a worm engaging said wheel, means for



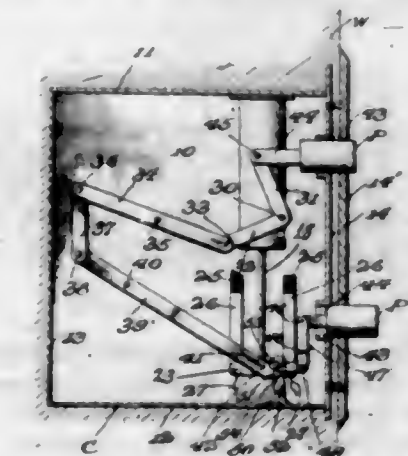
rotating said worm and clamping means carried by said housing adapted to releasably clamp said worm wheel, for the purposes set forth.

1,513,900. METHOD OF REINFORCING INNER TUBES FOR PNEUMATIC TIRES. SAMUEL D. FLOOD, Kenilworth, Ill. Filed Dec. 23, 1920. Serial No. 432,643. 2 Claims. (Cl. 154-15.)



1. The method of manufacturing a reinforced inner tube for pneumatic tires which consists in making a trough in the form of a ring, turning the ring inside-out, and securing the ring about an inner tube.

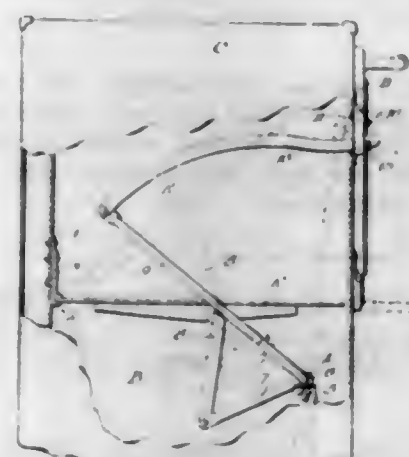
1,513,901. ELECTRICAL SWITCH. WILLIAM FARRELL FULTON, Shreveport, La. Filed Aug. 16, 1922. Serial No. 582,224. 2 Claims. (Cl. 200-33.)



1. In a device of the character described, a pair of fulcrumed lever bars, a link connection between similar ends of the lever bars, a fulcrumed bell crank lever having one end connected to the remaining end of

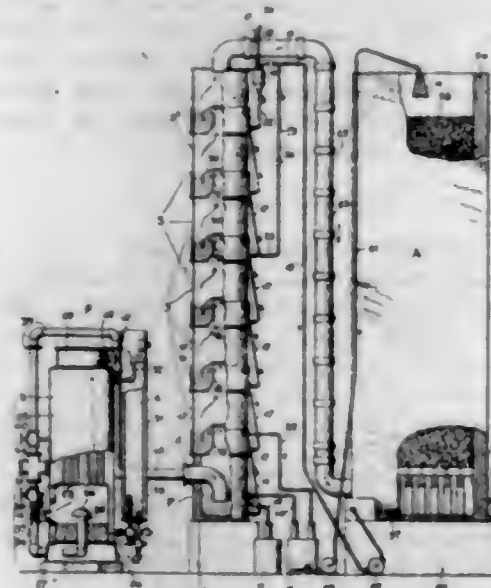
one of the lever bars, and a plunger connected to the other end of the bell crank lever whereby the lever bars may be rocked in unison for the purpose described.

1,513,902. STOVE RACK AND SHELF LIFTER. JASON J. FUTRELL, Nashville, Tenn., assignor of one-half to Elliott P. Jones, Nashville, Tenn. Filed Apr. 9, 1923. Serial No. 630,951. 12 Claims. (Cl. 126-39.)



1. In a stove having a burner, the combination of a shelf hingedly supported at one end normally overlying the burner and in horizontal position, means for raising said shelf on said hinged support and returning it to normal position comprising a rotatable shaft, a laterally extending arm movable with the shaft, and a link connection between said arm and shelf, and means whereby the shaft may be rotated.

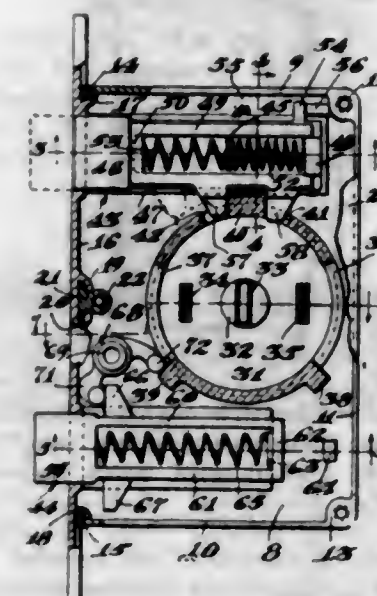
1,513,903. METHOD OF AND APPARATUS FOR PRODUCING SULPHURIC ACID. INGENUIN HECHENBLEIKNER and PETER S. GILCHRIST, Charlotte, N. C., assignors to Chemical Construction Company, New York, N. Y., a Corporation of North Carolina. Filed Dec. 20, 1923. Serial No. 681,731. 21 Claims. (Cl. 23-168.)



1. The method of producing sulphuric acid which consists in reacting sulphur dioxide gas with a mixture of nitrosulphuric, sulphuric and nitric acids for denitrating the same, in then passing the excess sulphur dioxide gas and the nitrous oxides liberated during denitration through two reaction chambers in succession, the first containing a relatively concentrated nitrosulphuric acid

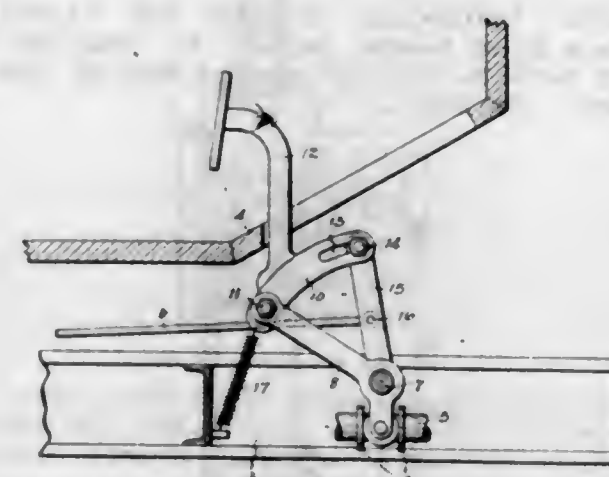
for absorbing the bulk of the excess sulphur dioxide and the second containing a diluted nitrosulphuric acid for absorbing the residual sulphur dioxide, and in thereafter absorbing the nitrous oxides in concentrated sulphuric acid.

1,513,904. LOCK MECHANISM. ELBERT A. HILL, Los Angeles, Calif. Filed Oct. 7, 1922. Serial No. 593,006. 3 Claims. (Cl. 70-54.)



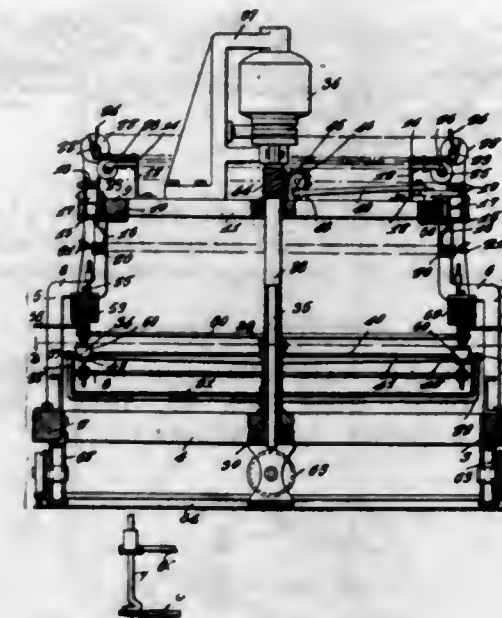
1. A permutation escutcheon lock having a locking and a latching mechanism, means for operating the locking and latching mechanisms from the inside, an outside knob mechanism adapted to rotate freely, and a permutation mechanism carried by the outside knob mechanism and adapted to connect and disconnect to the locking and latching mechanisms.

1,513,905. CLUTCH AND BRAKE OPERATING MECHANISM. ALDEN J. HIERN, Linton, Ind. Filed Mar. 16, 1923. Serial No. 625,555. 4 Claims. (Cl. 74-30.)



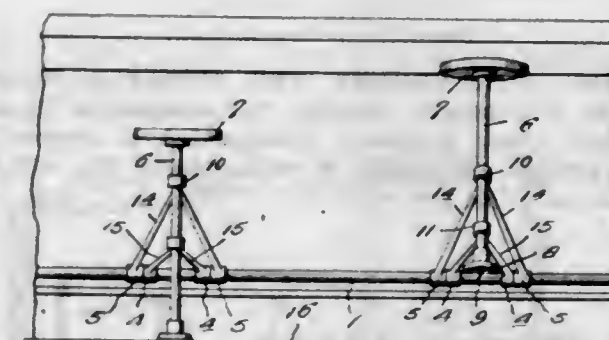
1. In a motor vehicle, the combination with clutch and brake actuating connections; of a lever connected to each of said connections, a common pivot for said levers, a bar to which one of said levers is connected and which is provided with a slot for receiving an end of the other lever to permit of a relative movement between said levers, and means for operating said bar to initially move said levers relative to each other and thereafter move the same in unison.

1,513,906. SPINNING MACHINE. FRANK HOFFNER, Nanticoke, Pa. Filed Apr. 17, 1924. Serial No. 707,213. 13 Claims. (Cl. 118-46.)



1. In a device of the class described, a frame, a spindle journaled on the frame, substantially concentric inner and outer rotatable members in driving relation to the spindle, and means for rotating said members in opposite directions.

1,513,907. COUNTER-STOOL CONSTRUCTION. HENRY HUGO, Holtville, Calif. Filed Mar. 21, 1922, Serial No. 545,482. Renewed June 25, 1924. 1 Claim. (Cl. 155-80.)

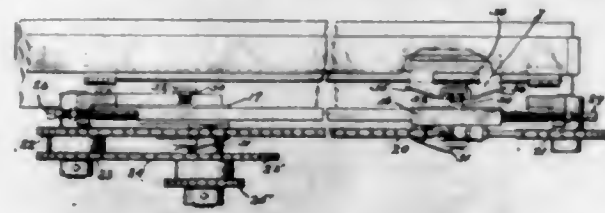


The combination of a counter, a horizontally disposed rail connected with and spaced therefrom, a stool having a standard rod in front of and extending above and below the rail and a base at the lower end of said rod and a seat at the upper end of the rod, and vertically-swinging means connecting said standard rod and said rail, said means having a sliding connection at one end with the rod, whereby said rod may have an upwardly sliding movement within this end of said means, the said stool being movable from a position in which its base rests on a floor to a position with its seat edge against the counter and with its base superimposed on the rail.

1,513,908. LOOM. FREDERIC G. HULME, Germantown, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 20, 1922. Serial No. 595,786. 8 Claims. (Cl. 139-28.)

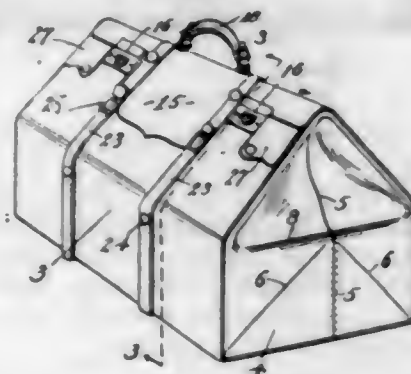
7. In a loom, the combination of a picker-plate, a chain, a slide attached to said chain and adapted to be reciprocated thereby, a pick-up arm attached to said

slide and provided with an enlarged end or head adapted to co-operate with the recess in the face of said picker-plate to establish a positive driving connection between



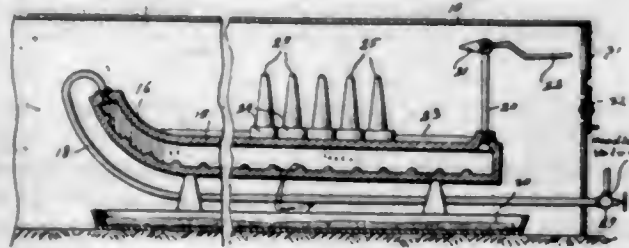
tween said slide and picker-plate, and a lock at each end of the path of travel of said picker-plate for locking said picker-plate upon its disengagement from said slide.

1,513,909. HAND BAG. WILLIAM N. HUNTER, Blanche, Ohio. Filed Dec. 12, 1923. Serial No. 680,242. 5 Claims. (Cl. 190-44.)



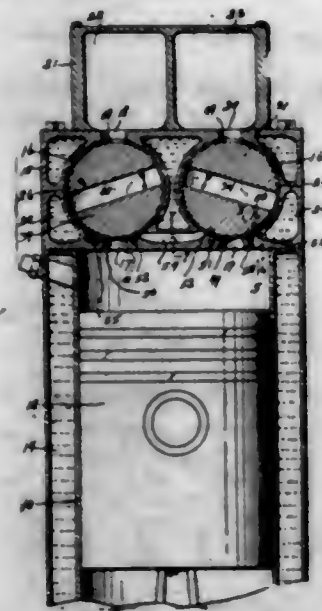
1. In a hand bag of the kind specified, a body portion of flexible material for the sides and ends, with a stiff and inflexible bottom portion, and foldable means for stiffening the ends of the lower section of the bag, whereby upon folding of the stiffening means, the bottom can be folded along one side to form a portfolio.

1,513,910. OIL BURNER FOR TOBACCO BARN. JAMES A. JOHNSON, Danville, Va., assignor to Virginia Tobacco Curer Company, Incorporated, a Corporation of Virginia. Filed Dec. 8, 1923. Serial No. 679,449. 7 Claims. (Cl. 158-66.)



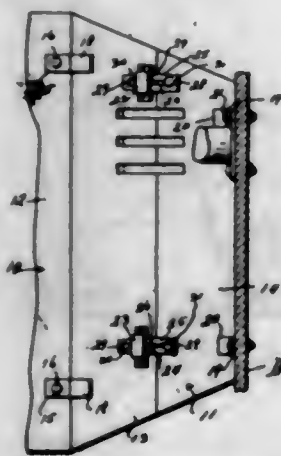
4. In an apparatus of the character described, a vaporizing burner comprising an elongated chamber having a top, one end of the chamber being higher than the other end, means within the chamber for impeding the flow of oil toward the lower end of the chamber, means for feeding oil into the upper end of the chamber, a burner pipe leading from the other end of the chamber and receiving vapor therefrom, a nozzle mounted upon said burner pipe for oscillation in a vertical plane and having a controlling valve, means for oscillatably adjusting the nozzle to discharge the flame downward against the top of the vaporizing chamber and control the angle of the flame, and a series of baffle members supported upon the upper wall of the vaporizing chamber and shiftable independently of each other along the top of the vaporizing chamber toward or from the nozzle and against which the flame from the nozzle may be directed.

1,513,911. INTERNAL-COMBUSTION ENGINE. CLYDE W. KELLER and LESTER H. CANNON, Kansas City, Mo. Filed Jan. 28, 1922. Serial No. 532,518. 4 Claims. (Cl. 123-190.)



1. An internal combustion engine including an engine block, a cylinder head, two parallel, longitudinally extending chambers formed with ports opening into the cylinders, parallel, contiguous inlet and exhaust manifolds extending longitudinally from the chambers and having ports opening thereinto, two parallel, solid valves disposed in said chambers and rotating therein and each having diametrically extending ports equal in number to the number of the cylinders, engine operated means for rotating said valves, means for supplying oil to the valves, means for preventing the passage of oil into the cylinders comprising spring actuated strips disposed in the cylinder head on each side of the ports leading to the cylinder and yieldingly bearing against the rotatable valves, there being a pair of said strips associated with each port in each valve and being disposed on each side of each port, said strips being convergent with relation to each other and the port, a drainage chamber opening through the walls of the valve chambers inward of the contiguous strips whereby to receive surplus oil from said valves, and means for conducting the oil into said drainage chamber to the crank case of the engine.

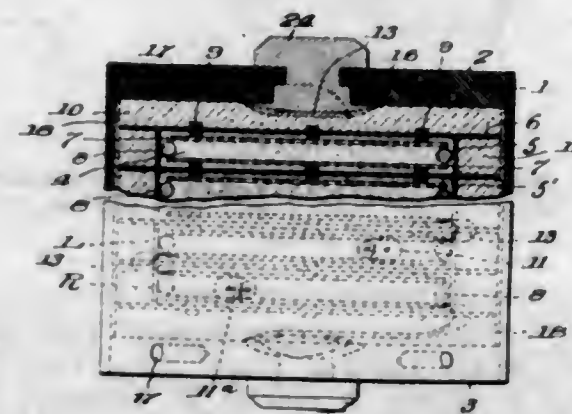
1,513,912. FOOTBOARD HOLDER FOR VEHICLES. WILLIS HATT KEMPER, Industry, Ill. Filed May 19, 1923. Serial No. 640,159. Renewed Sept. 25, 1924. 2 Claims. (Cl. 296-1.)



1. In combination with a vehicle cockpit embodying a horizontal board, a dash and a pair of inclined boards, one abutting the dash and the other the adjacent edge of the horizontal floor board, adjacent edges of the inclined boards meeting to complete the flooring, of means carried by the horizontal floor board and dash engaging the adjacent edges of their engaged inclined floor boards to

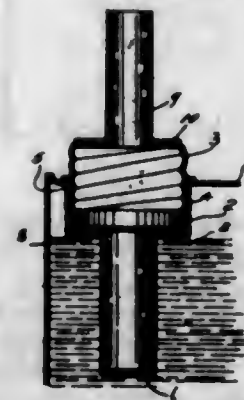
prevent elevation thereof, and means carried by one of the inclined floor boards and having interlocking engagement with coating means upon the other of the inclined floor boards for preventing elevation of the meeting edges thereof, comprising a longitudinally slotted plate carried by the first named inclined floor board and a keeper carried by the second named floor board and from which the plate is disengageable upon longitudinal movement thereof, the slot of said plate being provided with an enlargement permitting rotation of the plate when fully disengaged with its keeper.

1,513,913. STORAGE BATTERY. CARL KINSLEY, Washington, D. C., assignor to Engineers Development Company, Washington, D. C., a Partnership composed of Frederick E. Pernot and Carl Kinsley. Filed Sept. 18, 1920. Serial No. 411,097. 7 Claims. (Cl. 204-29.)



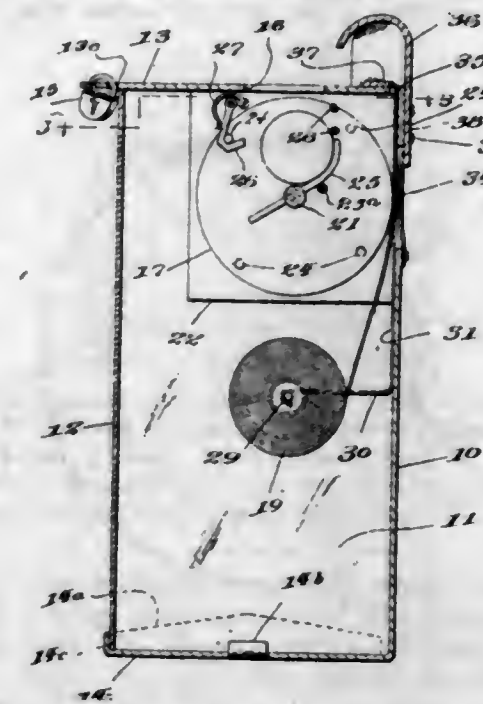
1. The method of producing a storage battery of the type described which consists in assembling a plurality of cell units each of which has a filling opening, fixing plugs in the fitting openings, owing insulating compound around the cell units and around the plugs, and finally withdrawing the plugs.

1,513,914. COMBINED FAUCET AND STOPPER FOR CONTAINERS. PHILIP E. KOPP, Kansas City, Mo. Filed June 23, 1924. Serial No. 721,729. 1 Claim. (Cl. 221-24.)



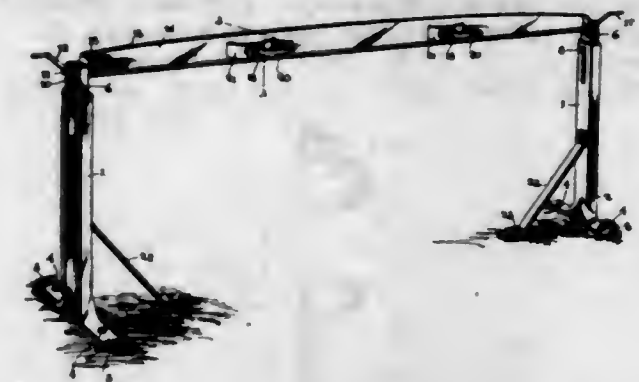
In a combined faucet and stopper for containers, the combination with the container, of a screw socket member combined with the container and provided centrally of its head portion with a depending barrel and with a series of holes in the head of the socket member when the plug member is functioning as a stopper, said hollow plug member removably mounted in said socket member and provided centrally of its head portion with a faucet tube which extends into and telescopes with the barrel on said socket member to permit the head of the plug member to stop the holes in the head of the socket member when the plug member is functioning as a stopper, said hollow plug member when screwed into the socket member in inverted position permitting a free flow through said openings and said faucet tube.

1,513,915. VENDING MACHINE. KENNETH ELROY KUNS, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 451,979. 5 Claims. (Cl. 194-63.)



1. In a coin-controlled mechanism, a pair of bearing plates a rotary feed-wheel, a rotatable actuator shaft mounted in said bearing plates and on which said wheel is loosely mounted between said plates, pins extending laterally from one of the side faces of the wheel, a coin-pusher extending radially from the shaft on the same side of the wheel as the pins, and a detent upon the plate facing the pin side of the wheel and positioned to successively engage the pins and lock the wheel, the aforesaid shaft being operable to swing the pusher in a direction to push a coin in the direction of the pin engaged by the detent to release the latter and through said pin couple the shaft to the feed wheel for operating the latter.

1,413,916. SAW CLAMP. EDWARD N. LARGE, Tillamook, Oreg. Filed July 24, 1923. Serial No. 653,538. 4 Claims. (Cl. 76-78.)

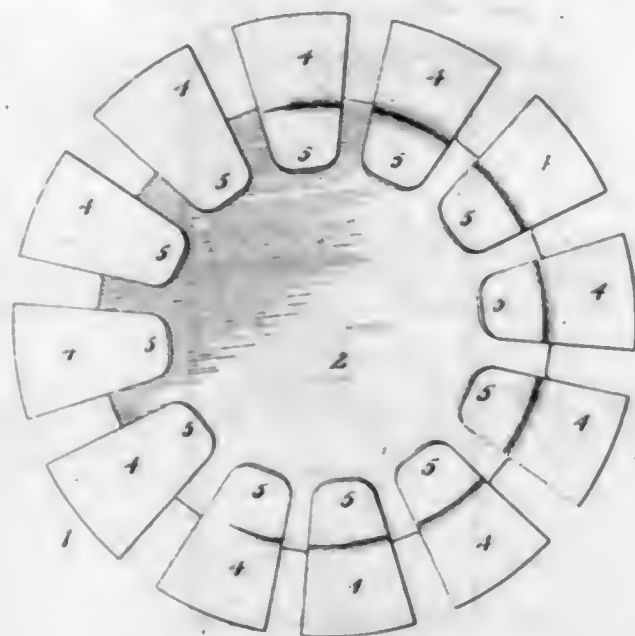


1. A saw clamp comprising a pair of spaced supporting standards, a vertically adjustable element carried by each of said standards, a pair of clamping jaws, rotatable means for connecting one of said jaws to each of said elements, and means extending through said jaws for connecting them together and engaging with one of the jaws for shifting the jaws relative to each other for clamping a saw between the jaws.

1,513,917. IMITATION HOLE FOR PUTTING GREENS. EUGENE MCLEAN LONG, New York, N. Y. Filed Mar. 1, 1924. Serial No. 696,137. 1 Claim. (Cl. 46-4.)

In a device of the class described, a flexible base of cloth or similar material having radiating parts, roller plates fixed to said parts with upwardly and inwardly

extending ends of less weight than the parts secured to the base so that when a golf ball rolls over one or more of said plates, it or they will roll with it and



permit it to pass over and free of it or them and then it or they will restore to normal by rolling back into the ordinary position or positions.

1,513,918. PERMANENT-HAIR-WAVING METHOD AND PREPARATION. LAURA MCQUILLAN, Fort Sill, Okla. Filed Mar. 14, 1924. Serial No. 699,353. 2 Claims. (Cl. 132-36.)

2. The method herein described of permanently waving hair consisting in first saturating a curled portion of the hair with a lotion, then applying directly to the hair lanolin, then encasing the hair in a wet fabric, and finally steaming the whole to convert the moisture in the fabric into steam.

1,513,919. HAIR-WAVING TUBE. LAURA MCQUILLAN, Fort Sill, Okla. Filed Apr. 8, 1924. Serial No. 705,056. 2 Claims. (Cl. 132-36.)

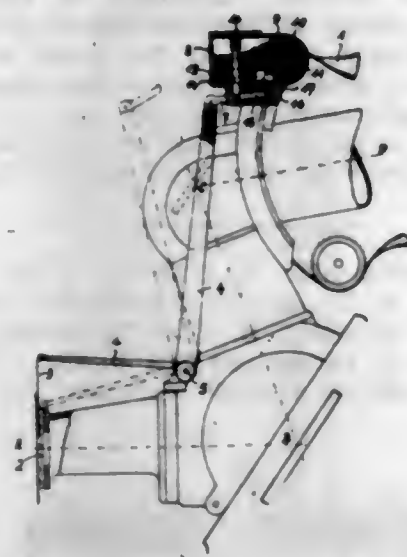


1. A device of the class set forth consisting of a metal tube, a removable cap enclosing one end of this tube, the cap being secured to the tube by a bayonet-slot device requiring the cap to be rotated to lock it on the tube, the flange of the cap and the rim of the tube being provided with registering notches, the notches in the tube-rim being sufficiently wider than the notch in the cap-flange to permit the cap to be rotated to locking position without severing the hair strand.

1,513,920. MOTION-PICTURE-PROJECTING APPARATUS. EMIL MECHAU, Rastatt, Germany. Filed Sept. 19, 1922. Serial No. 589,200. 6 Claims. (Cl. 88-17.)

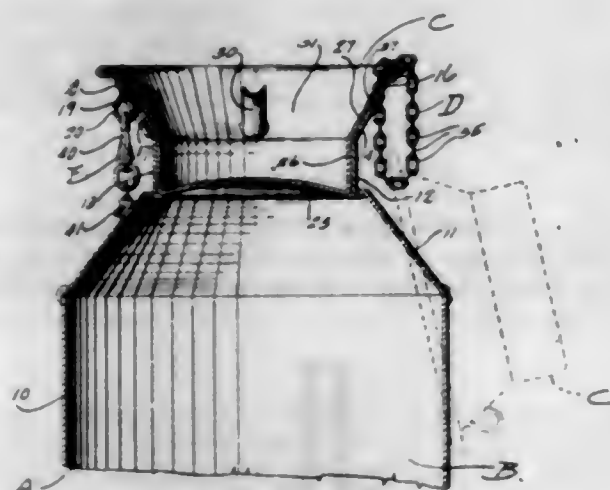
1. In a motion-picture projecting apparatus in combination, means for protecting the film against the beam

of light, a reservoir, a fluid in the reservoir, a member adapted to swim on the fluid and to engage with said means for protecting the film, a device for drawing



up fluid under the said member, means for reconducting to the reservoir the fluid drawn up, and means for driving the said drawing device.

1,513,921. CLOSURE ARRANGEMENT FOR MILK CANS. ELMER MENEFFEE, Gilbert, Ohio, assignor of one-half to Chalmers C. Menefee, St. Louisville, Ohio. Filed Mar. 15, 1922. Serial No. 543,941. 4 Claims. (Cl. 220-55.)



1. In a device of the class described, the combination with a container and a cover, of a flexible loop shaped member passing through registering openings in the cover and container to maintain them in operative relation and adapted to be drawn upwardly through the openings and held taut while putting the cover in place, a staple member rigidly mounted upon said cover and extending downwardly and outwardly from the cover for extending through a slot in the container, and means for engaging the protruding end of the staple whereby the cover may be locked upon said container.

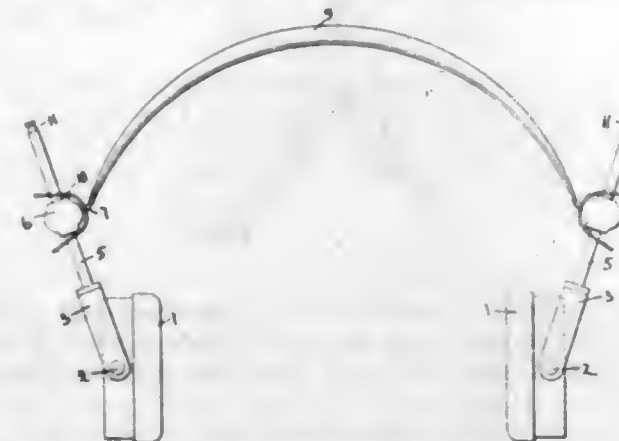
1,513,922. PLASTIC COMPOSITION AND PROCESS OF MAKING SAME. ARDON M. MITCHELL, Crestwood, N. Y., assignor of one-half to Kate M. Widmer and one-half to Harriet P. Bain, both of New York, N. Y. Filed July 9, 1923. Serial No. 650,513. 3 Claims. (Cl. 106-19.)

2. A composition of matter composed of six parts of coal ashes, one part of water, and one part of caustic soda.

1,513,923. GLASS AND COMPOSITION THEREFOR. ROBERT J. MONTGOMERY, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 2, 1923. Serial No. 629,424. 3 Claims. (Cl. 106-36.1.)

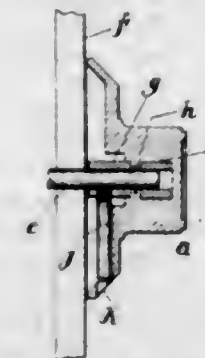
2. In the manufacture of practically colorless barium optical glass compositions the addition of a quantity of antimony oxide not exceeding three per centum of the mixture.

1,513,924. TELEPHONE HEAD SET. WILLIAM J. MURDOCK, Chelsea, Mass. Filed May 12, 1921. Serial No. 468,808. 3 Claims. (Cl. 179-156.)



1. A device of the class described comprising a pair of spaced spring arms converging at their ends, a pair of perforated blocks in which the adjacent ends of both arms are embedded, a receiver-holding element having a stem slidably mounted in the perforation of each block, and a leaf spring passing between said arms and having its opposite ends perforated for taking over said stem at opposite ends of said block.

1,513,925. COMBINED KNOB AND DIAL. WILLIAM J. MURDOCK, Chelsea, Mass. Filed July 29, 1922. Serial No. 578,309. 2 Claims. (Cl. 287-53.)



2. A combined knob and dial comprising a knob proper and a flange united as a unit structure, said flange having a beveled or peripheral surface provided with index marks, a bushing embedded coaxially in said structure, and a set-screw threaded into the side of said bushing and contained within said flange, with its outer end accessible through the beveled face of the flange.

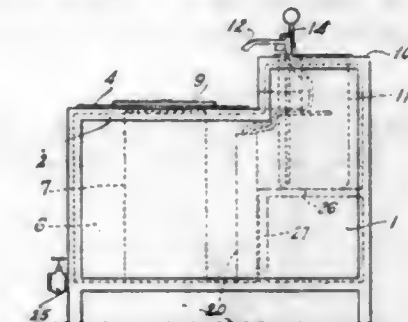
1,513,926. DISPENSING CABINET FOR SOFT DRINKS. HUBERT M. NORWOOD, Birmingham, Ala., assignor to Economy Fountain Company, a Corporation of Delaware. Filed Aug. 6, 1923. Serial No. 656,072. 4 Claims. (Cl. 225-28.)

1. A dispensing cabinet of the character described, comprising a compartment adapted to be charged with salt and ice, and containers for syrups and carbonated water disposed in said compartment, said water container being immersed in the ice and brine and being insulated to prevent the freezing of its contents, and said syrup containers being disposed above the normal brine level in said compartment.

3. A dispensing cabinet of the character described,

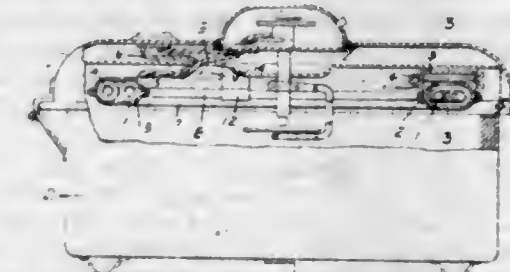
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comprising a compartment extending from front to rear and adapted to contain salt and ice and to receive an ice-cream can, said compartment having a removable top cover to give access to said can, a partition extending



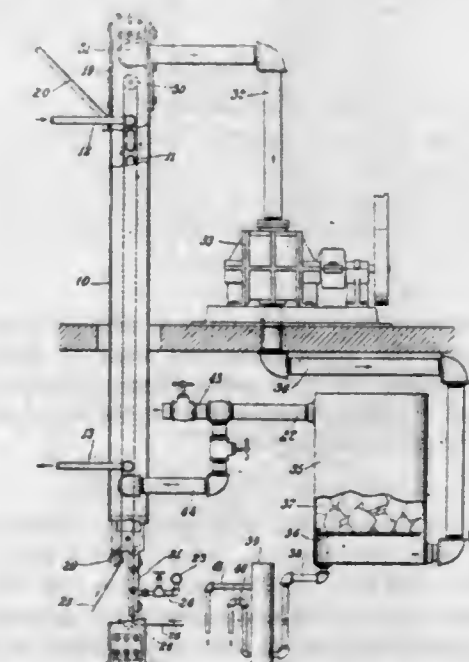
across the rear of said compartment and forming a seat adapted to support the syrup jars above the normal level of the brine in said compartment, and a carbonated water cooler insulated by a partial vacuum and immersed in the brine and ice in said compartment.

1,513,927. ELECTRIC HEATING COIL. LUCIAN R. OAKES, Tipton, Ind., assignor to The Oakes Manufacturing Company, Tipton, Ind., a Corporation of Indiana. Filed Nov. 14, 1922. Serial No. 600,922. 6 Claims. (Cl. 219-44.)



6. In an electric heater having an electric heating element, a circular hollow casing, means for suspending the heating element at intervals within the casing, and means for supporting the casing from the heater at intervals around the periphery of the casing, substantially as set forth.

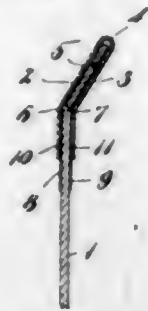
1,513,928. METHOD AND APPARATUS FOR SOLVENT RECOVERY. GEORGE OENSLAGER and JULIAN C. HOWARD, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 26, 1920. Serial No. 376,618. 7 Claims. (Cl. 34-48.)



2. The herein-described method which comprises coating threads with rubber solution at the lower end of an upright chamber, heating said chamber, supplying air

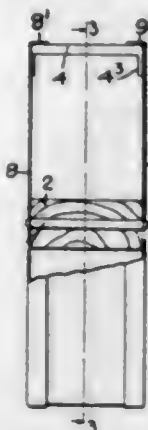
to its lower portion, feeding the threads upwardly therein, and drawing off the vapor-laden air from the upper end of the chamber at such a rate in relation to the rate of heat supply and the rate of travel of the thread that the ratio of vapor to air throughout a substantial part of the chamber will exceed that at which the mixture is explosive.

1,513,929. INDEX TAB. JAMES H. RAND, North Tonawanda, N. Y. Filed May 2, 1921. Serial No. 466,133. 1 Claim. (Cl. 40—23.)



The combination with the straight edge of a card, of a rearwardly inclined index tab comprising a strip of transparent sheet celluloid doubled upon itself, the two leaves of the doubled strip tending to spring toward each other, the interior of the doubled strip adjacent its fold forming with the straight edge of the card an unobstructed pocket for an index slip disposed wholly beyond the edge of the card, and an attaching strip cemented to the inner surface of the free margin of each of the two leaves of the doubled strip, said attaching strips being in turn cemented to opposite sides of the card adjacent its said straight edge, both leaves of the doubled strip being similarly bent in a rearward direction along lines extending widthwise of the tab, the bends being substantially in register with said straight edge of the card and the bend of the front leaf engaging said straight edge of the card and acting as a stop to determine the position of the tab with relation to said straight edge.

1,513,930. FILM CONTAINER. ALBERT D. RAY, Cleveland, Ohio, assignor to Emanuel Mandelbaum, Cleveland, Ohio. Filed Jan. 26, 1921. Serial No. 440,219. 2 Claims. (Cl. 206—52.)

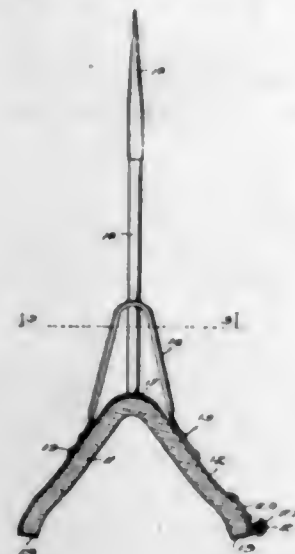


1. A film container comprising a substantially circular band forming the circumferential wall of the container, said band having the side edges thereof flanged inwardly, caps applied to the flanged edges of the band and a spool supported between said caps.

1,513,931. LIGHTNING-ROD-POINT SUPPORT. ERNEST C. REA, Des Moines, Iowa. Filed Sept. 11, 1922. Serial No. 587,530. 2 Claims. (Cl. 173—31.)

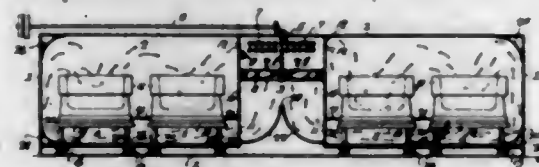
2. A device of the class described for supporting lightning rod equipment on a tile, comprising a conducting strip of somewhat resilient material having the form of an inverted V and shaped to fit the outside of a ridged tile, the ends of the device being provided with in-turned flanges, and a cable holding means, comprising a con-

ducting strip secured to the outside of said first strip and having a curved member adapted to receive a cable, a point secured to the upper portion of said first strip,



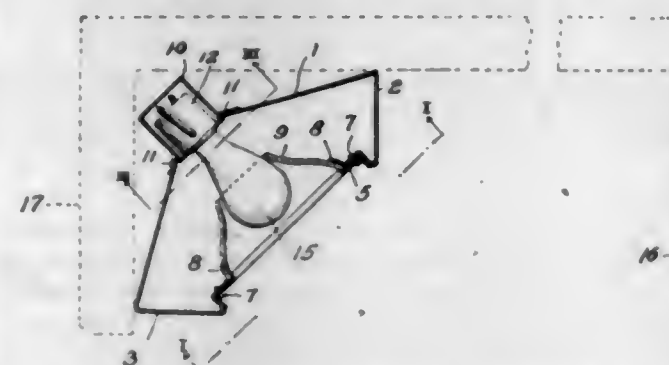
and an inverted U-shaped bracket receiving said point above said first strip and having its arms secured to the outer sides of said first strip below the central portion thereof.

1,513,932. DRIER. THOMAS H. RHOADS, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 5, 1922. Serial No. 592,595. 4 Claims. (Cl. 34—46.)



1. The combination in a drying apparatus of a casing enclosing two drying chambers and an intermediate circulating, heating chamber separated by vertical partitions having upper and lower passages therein; a series of horizontal circulating fans mounted on vertical shafts; means for driving said shafts; a series of heating coils in the intermediate chamber; means for supplying moisture to the air in circulation, the lower portion of the intermediate chamber being curved so as to direct the air to each of the drying chambers; cars in the drying chambers on which the articles to be dried are mounted, partitions between the cars, the outer ends of the drying chambers being curved; and means for separating the drying chambers and the circulating chamber into independent compartments.

1,513,933. WALL-ILLUMINATING STRUCTURE. LOUIS M. RIDDLE, Pittsburgh, Pa. Filed Mar. 7, 1924. Serial No. 697,491. 2 Claims. (Cl. 240—3.)



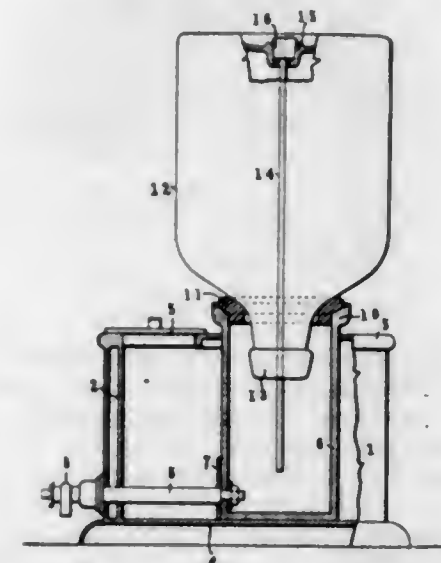
1. A wall-illuminating structure comprising a trough having its open side lying in a plane inclined from the vertical and closed by a removable plate, an electric con-

ductor conduit attached to the back of the trough, lamp sockets supported by the back of the trough and extending into said conductor conduit, and reflectors supported by said front plate and projecting into the trough.

1,513,934. METHOD OF PRODUCING CALCIUM ARSENATE. SAMUEL S. SADTLER, Springfield, Pa. Filed Oct. 13, 1921. Serial No. 507,554. 8 Claims. (Cl. 23—13.)

1. The method of producing calcium arsenate, which comprises the mixing together of a solution of arsenic acid and lime with a third ingredient capable of forming an organic salt of calcium more soluble than calcium arsenate.

1,513,935. LIQUID DISPENSER. WILLIAM A. SCHATZ, Astoria, N. Y., assignor of seventy per cent to William J. Atwood, New York, N. Y. Filed Jan. 24, 1923. Serial No. 614,533. 9 Claims. (Cl. 224—40.)



1. In a liquid dispensing apparatus, in combination, a cooling chamber, an auxiliary liquid container extending within said chamber, a closed liquid container forming the main liquid reservoir and having a discharge opening in communication with said auxiliary container, a continuous liquid space being thereby provided for the reception of liquid to provide a continuous liquid column, a liquid and air-tight joint between said liquid containers, and an air-tube carried by said main liquid reservoir and communicating with the exterior air and directly with the liquid of said liquid column for admitting air thereto when liquid is withdrawn, whereby an unbroken liquid column is continuously maintained within said liquid space.

9. In a liquid dispensing apparatus, in combination, an auxiliary reservoir, a main reservoir having a discharge opening and a second opening remote therefrom, both of said openings being formed for the reception of closures for sealing the reservoir, a resilient sealing member between the main and auxiliary reservoirs for supporting the former upon the latter with the discharge opening of the main reservoir in direct communication with the liquid of the auxiliary reservoir for discharging through the latter and forming therewith an unbroken liquid column, an air-chamber provided beneath said sealing member and communicating with said liquid column, and an air-tube carried in said remote opening and communicating with the exterior atmosphere and with the liquid in said liquid column.

1,513,936. FIREPROOF PROTECTION LEGGING. JOHN SEAZHOLTZ and MICHAEL BILANCIA, Newark, N. J. Filed Dec. 6, 1923. Serial No. 678,972. 10 Claims. (Cl. 36—2.)

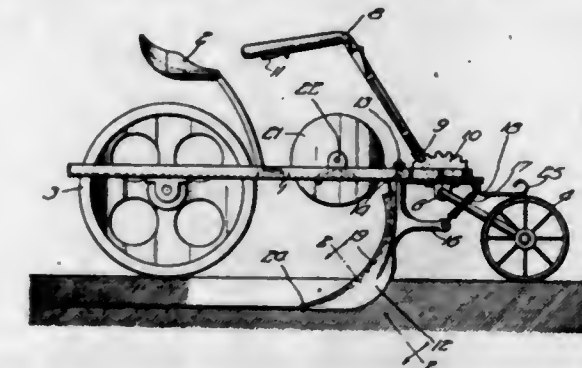
1. A fire-proof protective legging, comprising a tubular upper section, a lower section adjoining said upper sec-

tion which is discontinuous on its inner side to provide longitudinal meeting edges, mutually cooperative fastening devices at said meeting edges to hold the same



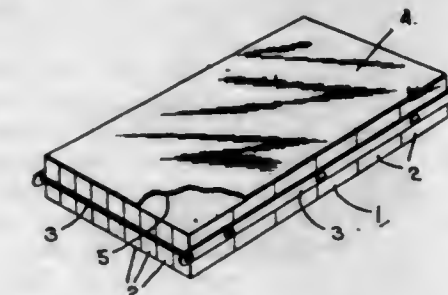
closed together, a hip-protector flap adjoining the upper end of said upper section, and a suspension means attached to the free upper end of said hip-protector flap.

1,513,937. FIELD CABLE LAYER. ALEXANDER SEIDLER, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Aug. 5, 1918. Serial No. 248,294. 5 Claims. (Cl. 111—5.)



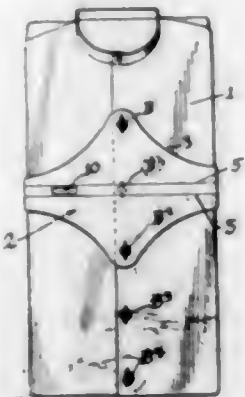
1. A cable laying machine, comprising a vehicle frame, steering means for controlling the direction of travel of said frame, a groove cutter depending from the frame and movable under pressure thereon about a plurality of axes to permit it to operate in rough or stony ground, means for directing a cable into the groove formed by said cutter, and means for refilling the groove after the cable is laid therein.

1,513,938. CUTTING BLOCK FOR CLICKING MACHINES AND THE LIKE. FRANCIS A. SHEA, Boston, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Sept. 7, 1922. Serial No. 586,781. 3 Claims. (Cl. 164—58.)



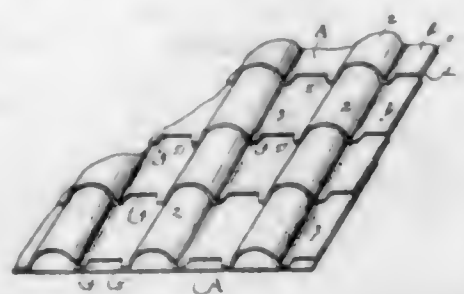
1. A cutting bed for clicking machines and the like comprising a body formed of wooden blocks arranged with a grain extending perpendicular to the cutting surface, and a sheet of celluloid overlying the grain end of the block and forming the cutting surface of the cutting bed.

1,513,939. SHIRT PROTECTOR. HARRY C. SMITH, Santa Barbara, Calif., assignor of one-half to Marion R. Gray, Los Angeles, Calif. Filed Oct. 26, 1923. Serial No. 670,869. 7 Claims. (Cl. 206—7.)



1. A protector for folded garments, comprising a sheet of material adapted to be placed over a transverse fold of the garment and having apertures adapted to engage buttons of the garment.

1,513,940. SHINGLE ROOF. JAMES SMITH and MAX-FIELD E. CONSTABLE, Deposit, N. Y. Filed June 12, 1923. Serial No. 644,900. 3 Claims. (Cl. 108—7.)

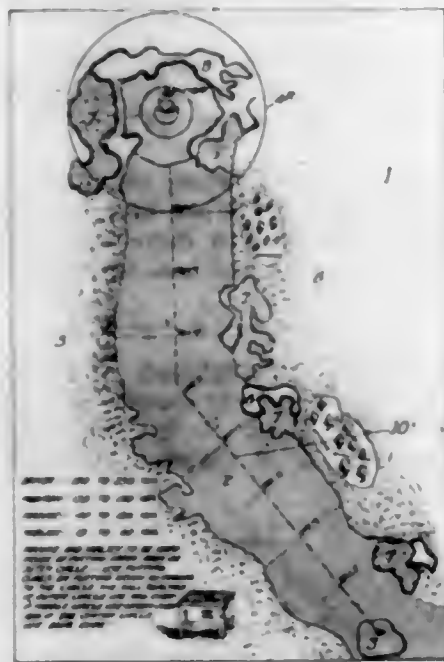


1. A roof comprising a series of over-lapped substantially rectangular sheets, each sheet having its front edge portion projecting over the rear edge portion of an adjacent sheet and the front edge portion of each sheet being provided with spaced notches having inner edges arranged parallel to the front edge of the sheet, each sheet being formed of a lower layer of metal and an upper layer of slate surfaced roofing material, adhesive securing said layers together, the lower layer of each sheet being of the same length but of less width than the upper layer and the rear edge of the lower layer being spaced from the rear edge of the upper layer.

1,513,941. GAME. THOMAS H. SMITH, Bloomington, Ill. Filed Dec. 23, 1922. Serial No. 608,645. 3 Claims. (Cl. 46—63.)

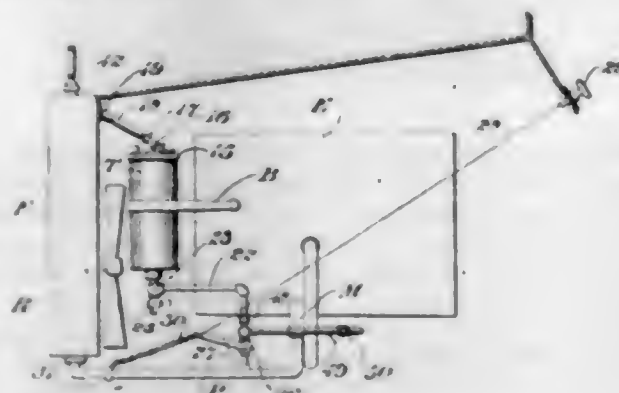
1. An indoor golf game comprising a plate having represented thereon the "fairway" and border portions of a field of the outdoor game between a tee and a hole, a plurality of circles circumscribed about the point representing the hole, means movable over said plate to represent the "plays" in driving the ball from the tee to the hole, a plurality of pairs of cubes representing the different clubs used in the outdoor game, said cubes bearing descriptive indicia on the faces thereof and being adapted to be used in pairs whereby the indicia on the face of one cube indicates the distance, and the indicia on the other cube indicates the direction, which said means should be moved along said "fairway" as representative of the stroke which the player would make with a corresponding club in the outdoor game, a plurality of other cubes corresponding in number with the number of said circles around said hole, said cubes

bearing descriptive indicia on the faces thereof and being adapted to be used singly whereby the indicia on one face indicates the number of strokes to "hole" a



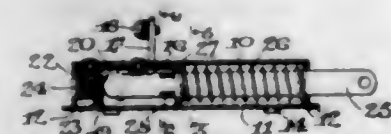
ball from within the corresponding circle, as representative of the strokes which the player would make with a "putter" in the outdoor game.

1,513,942. AUXILIARY APPARATUS FOR COOLING SYSTEMS. WILLIAM R. SMITH, Los Angeles, Calif. Filed Jan. 12, 1922. Serial No. 528,659. 4 Claims. (Cl. 123—174.)



1. In combination, a cooling system for internal combustion engines including a radiator, a pump, and a pipe connecting the pump with the radiator, a pipe extension formed on said pipe including a flexible section adapted to extend to a remote source of water supply, and a valve in the pipe extension so that additional water may be drawn into the system by attaching the flexible pipe section to a source of water supply and opening the valve.

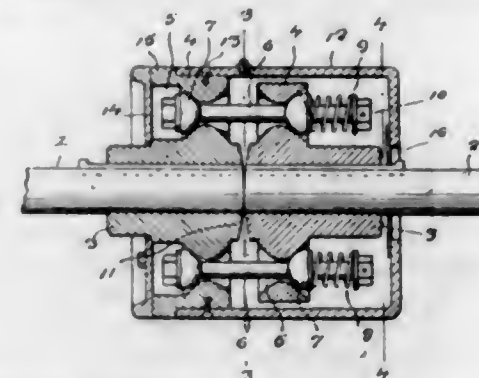
1,513,943. STOP-LIGHT SWITCH. EDGAR M. SORENG, Chicago, Ill., assignor to Briggs & Stratton Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 28, 1922. Serial No. 571,522. 6 Claims. (Cl. 200—161.)



1. In a switch, a casing, a contact member loosely contained within the casing and guided thereby, contacts within the casing in the path of the contact

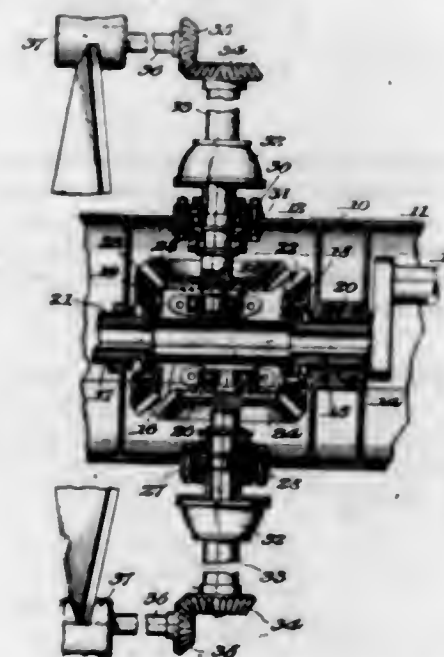
member, spring means bearing on the contact member for moving it into engagement with the contacts, and a retractile spring member engaging the contact member to hold it out of engagement with the contacts.

1,513,944. FLEXIBLE COUPLING AND SHOCK ABSORBER. JOHN STEPHENSON, Halifax, Nova Scotia, Canada. Filed Sept. 20, 1919, Serial No. 325,063. Renewed Oct. 6, 1922. Serial No. 592,848. 1 Claim. (Cl. 64—96.)



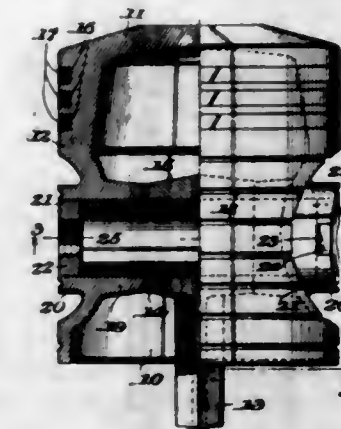
A coupling comprising a pair of shafts having their inner ends rounded and arranged in abutting relation, a sleeve keyed to the inner end of each of the shafts, a rounded enlargement carried by the abutting ends of the shafts, the rounded enlargement being disposed in opposed contacting relation and the rounded surfaces being continuous with the rounded ends of the shafts, an annulus encircling each rounded enlargement and provided with openings flared at each end, one of the annuli being provided with an annular shoulder, a casing enclosing the meeting ends of the shaft and secured to one of the annuli and engaging the shoulder at one end, a plate positioned against one of the annuli and a plurality of bolts passing through the openings, semi-spherical heads formed in the bolts and disposed in the ends of the openings and coil springs carried by the bolts and bearing against the adjacent semi-spherical members.

1,513,945. GEAR DRIVING MECHANISM. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 16, 1917. Serial No. 175,124. 2 Claims. (Cl. 74—7.)



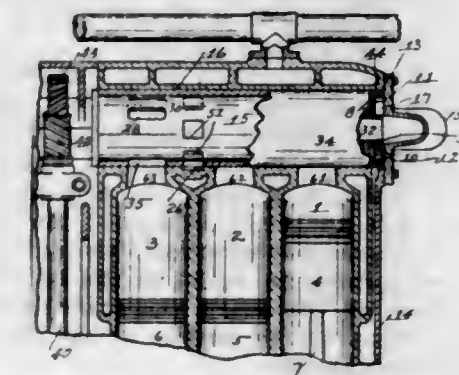
2. The combination with a support, of two aligned motor shafts mounted in said support, two laterally extending driven shafts mounted in bearings in said support, means connecting said motor shafts, and a pair of bevel gears connecting each of said driven shafts to the motor shafts.

1,513,946. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 1, 1918, Serial No. 231,848. Renewed Dec. 22, 1923. 21 Claims. (Cl. 74—108.)



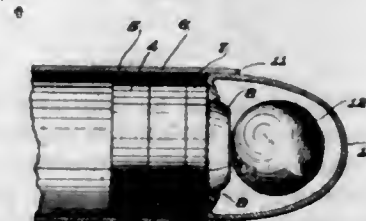
9. The combination with a piston and a pin therein, of pin retaining plugs independently mounted in the piston at the ends of the pin, said plugs being slidable in the piston longitudinally of the pin without distortion of plug or piston.

1,513,947. ROTARY VALVE. JOHN R. WARREN, Grand Rapids, Mich., assignor to John R. Warren, Donald J. Campbell, Charles E. Johnson, Paul R. Beardsley, and Carl P. Damm, trustees, all of Muskegon, Mich. Filed Nov. 15, 1923. Serial No. 674,883. 6 Claims. (Cl. 123—190.)



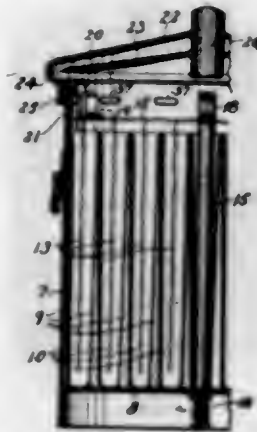
1. In an engine: a rotary-valve casing having an exhaust passage at its end; an engine valve rotatable in said casing and having an exhaust nozzle at its end adjacent said exhaust passage; a packing ring in which said nozzle freely turns, and fitting in the valve casing; a packing ring through which said nozzle fittingly extends and fitting: the first-mentioned ring.

1,513,948. PROJECTILE. TAGE F. WERME, Fairfield, Conn., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed Aug. 16, 1922. Serial No. 582,241. 8 Claims. (Cl. 102—12.)



5. In a cartridge the combination with a casing containing a charge, a hollow projectile carried by said casing, projecting therebeyond, and comprising an in-turned flange forming an aperture, a plurality of disk shaped projectiles contained within the casing, and a boss on one of said disk shaped projectiles projecting thru said aperture.

1,513,949. ART OF OBTAINING SERUM FROM BLOOD. WILLIAM BURTON WESCOTT, Wellesley Hills, Mass., assignor, by mesne assignments, to American Protein Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 19, 1920. Serial No. 352,327. 22 Claims. (Cl. 167-7.)

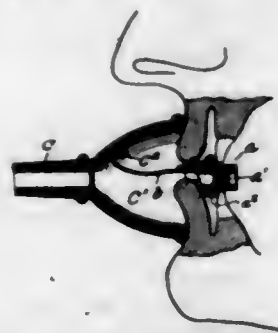


1. The art of obtaining serum from blood which comprises forming a blood clot with predetermined re-entrant surfaces, holding the clot out of contact with the walls of the container whereby substantially its entire surface is an effective exit surface through which the serum may be expressed, and permitting the serum to be expressed from the clot.

8. The art of obtaining serum from blood which comprises forming on a supporting core a blood clot with re-entrant surfaces in a closed container with unctuous walls, supporting the clot on the core in the container out of contact with the walls thereof, permitting the serum to be expressed from the clot, and removing the serum from the container as it is expressed to prevent back pressure thereof against the clot.

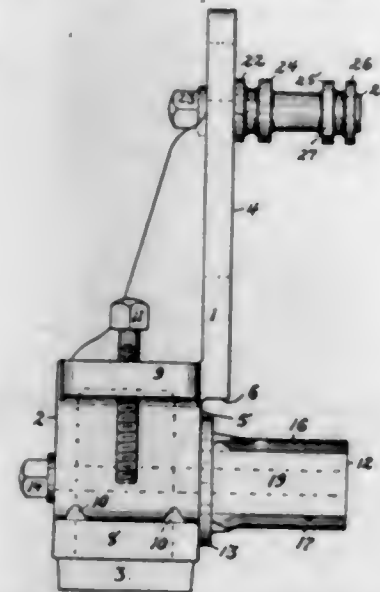
22. The art of obtaining serum from blood which comprises forming a blood clot in a container having upwardly flaring walls, thereby producing a downwardly tapered clot, lifting the tapered clot to break contact with the flared walls, suspending the clot substantially out of contact with the walls to permit the expression of the serum throughout substantially the entire surface of the clot, and opening an outlet in the bottom of the container to drain off the serum, the outlet being closed at its mouth during the formation of the clot to prevent blood clotting therein.

1,513,950. CONTROLLING MEANS FOR WIND MUSICAL INSTRUMENTS. CHARLES O. WIDMAYER, Detroit, Mich. Filed Nov. 1, 1920. Serial No. 420,971. 11 Claims. (Cl. 84-399.)



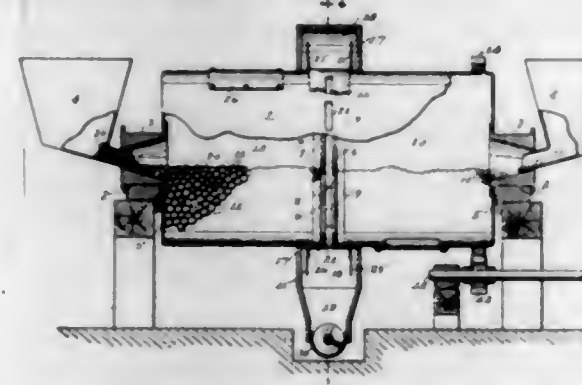
1. In musical instruments having characteristics of the trumpet type, wherein the wind is introduced into the cavity of a cup-shaped member or mouth-piece with the cavity forming the entrance to the tone-producing portion of the instrument, means for controlling the introduction of the wind to such tone-producing portion, said means comprising a vibratory means extending within the cavity, and a tubular wind-directing instrumentality external of the cavity and operatively secured to said means, said vibratory means and said instrumentality being relatively positioned to cause wind directed through the instrumentality to set up activity of the vibratory means within the cavity.

1,513,951. ALIGNING JIG FOR PISTON AND CONNECTING ROD ASSEMBLY. WALTER W. ADAMS, Fort Wayne, Ind. Filed May 22, 1922. Serial No. 562,614. 5 Claims. (Cl. 33-180.)



1. In an aligning jig for connecting rods, a standard; a rest extending from the standard for supporting connection with one bearing of a connecting rod, and a gauge member extending from the standard and having gauge collars of equal diameter and spaced apart in axial alignment with each other and operable to bear respectively against the corresponding projecting ends of the wrist-pin in the opposite end of the connecting rod when said wrist-pin and the bearing in the other end of the connecting rod are aligned in a common plane.

1,513,952. BALL TUBE MILL. ALFRED H. APTE, Grand Rapids, Mich. Filed Apr. 3, 1924. Serial No. 703,859. 4 Claims. (Cl. 83-9.)



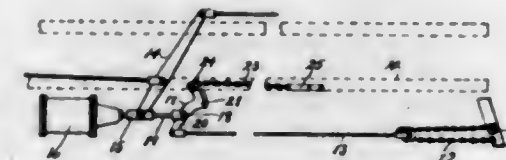
1. In a machine of the character described: a rotatably-mounted axially-horizontally-disposed hollow cylinder having intermediate its ends spaced apart transverse partitions with orifices therethrough, and having vents through its side wall between the partitions for discharging the ground material from the cylinder.

1,513,953. CANNULA. FRANCIS CLARKE ATWOOD, Newton, Mass., assignor, by mesne assignments, to American Protein Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1921. Serial No. 436,644. 2 Claims. (Cl. 17-1.)



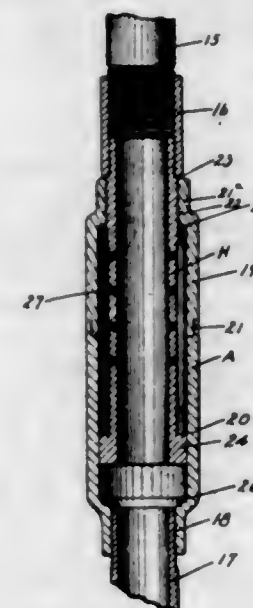
1. A cannula having a hollow body to provide a conduit surmounted by a head of openwork construction consisting of a plurality of circumferentially spaced ribs bowed outwardly beyond the hollow body and terminating at the upper portion of the head in a tapering pointed end.

1,513,954. HAND BRAKE FOR RAILWAY CARS. HARRY BARNARD, Chicago, Ill., and STARLEY F. BEARLEY, Kansas City, Kans., assignors to Universal Draft Gear Attachment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1923. Serial No. 633,699. 6 Claims. (Cl. 74-110.)



1. In a brake mechanism for railway cars, the combination of a brake staff, a brake lever, a rotating lever pivoted at its central portion and provided with two arms, a connection between the fulcrum of the rotating lever and the brake lever, a connection between one arm of the rotating lever and the brake staff, and a connection between the other arm of the rotating lever and an anchorage, one arm of said rotating lever having a curved working surface cooperating with the corresponding connection to vary the effective length of that arm as the lever rotates.

1,513,955. BLEEDING DEVICE AND TUBING JAR. ANDREW J. BARNHART and CLITHEROW N. TRIMMELL, Placentia, Calif. Filed July 18, 1923. Serial No. 652,328. 2 Claims. (Cl. 255-27.)

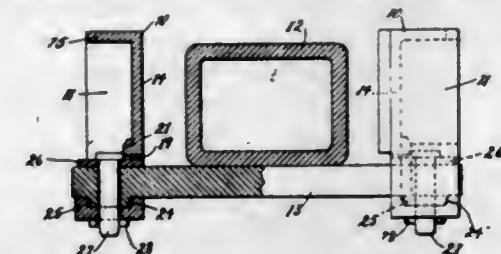


1. A lower drill tube section, an anvil element screwed upon the drill tube section and having an enlarged cylindrical bore with an annular shoulder at the upper end of the bore and forming a head and having a screw thread above the shoulder, a hammer element extending through the screw thread past the shoulder into the bore and having a head upon its lower end adapted to strike the shoulder and adapted to reciprocate in the bore, there being a screw thread upon the hammer element to fit the screw thread of the anvil element and hold the parts rigid, a coupling sleeve screwed upon the upper end of the hammer element, and an upper section screwed into the coupling sleeve so that the parts form a rigid portion of a drill tubing, and so that when the lower part is held and the upper part rotated the hammer element will be screwed out of the anvil element to serve as a jar.

1,513,956. DRAFT ARM. HERBERT E. BARTSCH, Chicago, Ill., assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed Jan. 7, 1924. Serial No. 684,793. 3 Claims. (Cl. 213-61.)

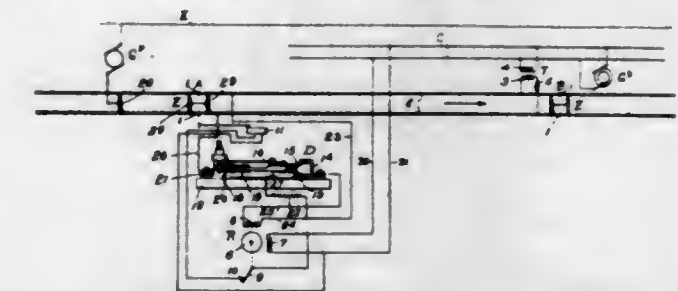
1. A draft plate having at each side a web and a flange at the margin of the web, each flange being pro-

vided with a pocket and each web being perforated adjacent to the pocket in the flange, a supporting strap



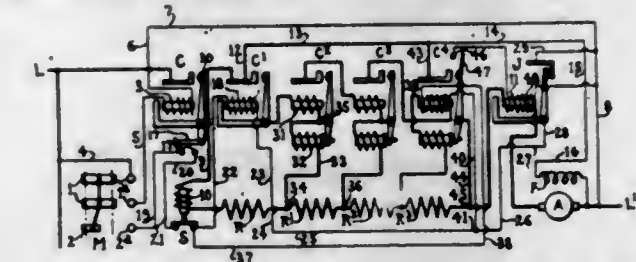
extending through said perforations and having portions seated in said pockets and means for securing the strap to the draft plate.

1,513,957. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. CHARLES R. BEALL, Swissvale, and ROBERT M. GILSON, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1922. Serial No. 603,952. 12 Claims. (Cl. 246-37.)



1. In combination, an electric railway at least one track rail of which is included in the circuit for the propulsion current, a track circuit for said railway including a relay normally connected with the track rails, and means included in said track circuit and responsive to a predetermined amount of current for disconnecting said relay from the track circuit and connecting an auxiliary conductor across the track rails.

1,513,958. ELECTRICAL RELAY. FEDOR BERGMANN, Bedford, England. Filed Mar. 16, 1921. Serial No. 452,654. 9 Claims. (Cl. 172-179.)

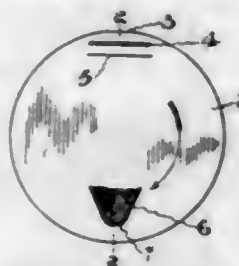


1. In a motor controller, in combination, a motor, resistance to be included in the motor circuit in starting and also in running under abnormal conditions and control means for excluding and reinserting said resistance, said means including a jamming relay having cumulative coils respectively connected in series and in shunt to the motor armature whereby said relay is responsive under given conditions to effect insertion of the excluded resistance but ineffective to prevent exclusion of said resistance for acceleration under normal conditions.

1,513,959. CAP FOR MILK BOTTLES. CLAUDE W. BISSELL, Toronto, Ontario, Canada, assignor to James Howard Franklin, Watford, Ontario, Canada. Filed June 28, 1923. Serial No. 648,338. 3 Claims. (Cl. 215-51.)

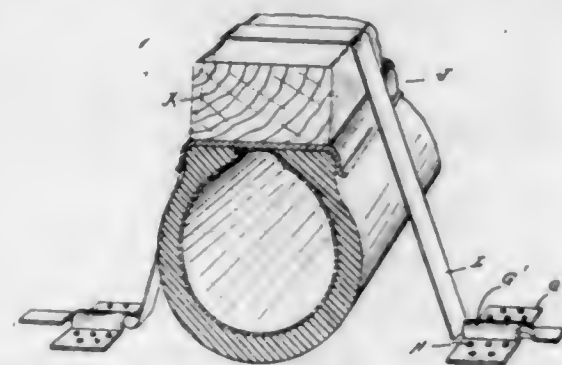
1. A bottle cap formed of two separate and similar circular disks of the same thickness and diameter, and together of substantially the same thickness as a com-

mon commercial milk bottle cap, stapled together adjacent the rim of the cap to form a hinge, an integral tongue being formed within the periphery of the upper



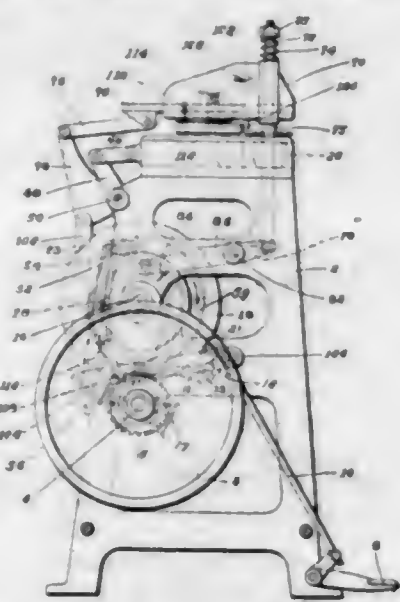
disk diametrically opposite the hinge whereby it may be raised, and a line of weakness formed in the disk adjacent the hinge and parallel thereto.

1,513,960. HOLDDOWN DEVICE FOR VEHICLES. WILLIAM W. BLAKELY, Detroit, Mich. Filed July 24, 1922. Serial No. 577,179. 7 Claims. (Cl. 188—32.)



7. An anchorage device comprising a tie member formed of strap metal bent at one end to form a securing foot, said foot having an intermediate portion reduced in width, and anchorage means engaging said reduced portion.

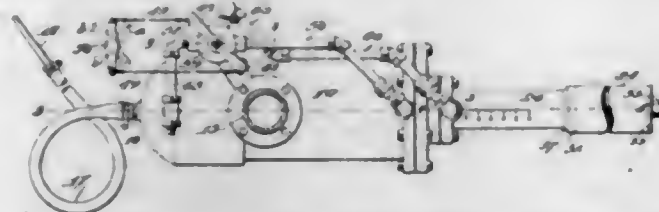
1,513,961. MACHINE FOR FORMING OR SHAPING THE UPPERS OF BOOTS AND SHOES. MATTHIAS BROCK, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 30, 1917. Serial No. 183,502. Renewed Sept. 6, 1921. Serial No. 498,926. 29 Claims. (Cl. 12—97.)



1. In a machine of the class described, means for molding the heel end of a shoe upper arranged to leave a marginal portion thereof projecting outside said means, means for forming a flange from said projecting margin, said means when inoperative being out of position over said molding means, means for moving the flange forming means over said molding means, means for relatively

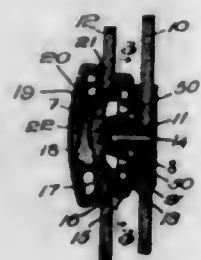
moving the molding means and the flange forming means to locate the flange forming means inside the projecting margin of the upper, and means for then moving the flange forming means rearwardly to form the projecting margin of the upper into an outwardly directed flange.

1,513,962. PNEUMATICALLY-OPERATED GREASE MEASURING AND DISPENSING DEVICE. RICHARD CALLAHAN and STEPHEN L. ROULEAU, Los Angeles, Calif., assignors to Simplicity Oil & Grease Pump Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 11, 1920. Serial No. 423,361. 11 Claims. (Cl. 221—103.)



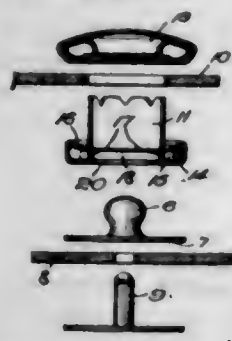
1. In a grease measuring and dispensing device, a pair of axially aligned cylinders, one of which is provided with grease inlet and outlet openings, a single piston rod passing lengthwise through said cylinders, pistons on said rods within said cylinders, means for admitting fluid pressure into the cylinder having the grease inlet and outlet openings to move the piston forwardly there-through, said means permitting an exhaust of fluid pressure from said cylinder, and means for admitting fluid pressure alternatively to the other cylinder in front of the piston therein to move both pistons rearwardly through the cylinders.

1,513,963. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Mar. 8, 1921. Serial No. 450,745. 7 Claims. (Cl. 24—218.)



1. A socket for separable fasteners including a casing having a plate with a stud-receiving aperture there-through, said plate having a return flange at its edge adjacent the aperture, and said plate notched to provide an extension of said aperture.

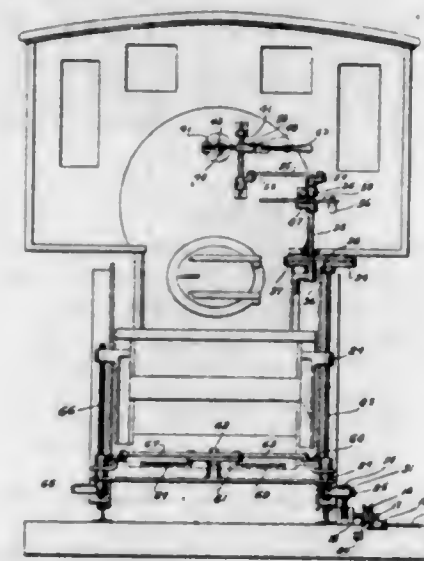
1,513,964. SEPARABLE FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 2, 1921. Serial No. 519,385. Renewed Apr. 28, 1924. 5 Claims. (Cl. 24—218.)



1. A fastener comprising, in combination, a stud having a head and a neck, a socket including a casing having a stud-receiving aperture therethrough and a notch

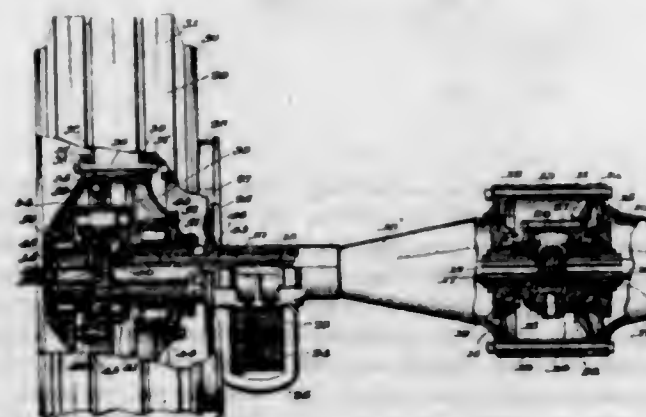
at one side of said aperture, and a casing closure plate having a projection thrown downwardly therefrom against the interior face of said casing, the marginal flange of said casing thrown inwardly to engage over said closure plate and a spring of the type presenting generally parallel resilient end portions for engagement with the stud and resilient reverse bends connecting these ends with an integral support adjacent the periphery of the socket casing, said projection extending between the stud-engaging portions of said spring and locating said spring relative to said notch.

1,513,965. TRAIN STOP. THOMAS E. CARR, Providence, R. I. Filed Apr. 12, 1922. Serial No. 551,795. 5 Claims. (Cl. 246—186.)



2. An engine control mechanism adapted to be operated in combination with a signal operated tripper comprising, a steam throttle control lever carried by the engine, a relatively stationary toothed segment, a lock latch for engaging said segment, a manually operable rod for withdrawing said latch carried by said lever, an auxiliary lever directly connected at one end to said rod, a shoe for directly engaging the other end of said auxiliary lever, an arm extending from said engine for engaging a single operated tripper and means operated by said arm to automatically throw the shoe to operate said auxiliary lever to withdraw said latch and move the throttle lever to stop position, and spring actuated means for causing said shoe to release said throttle lever and auxiliary lever after moving the same to stop position.

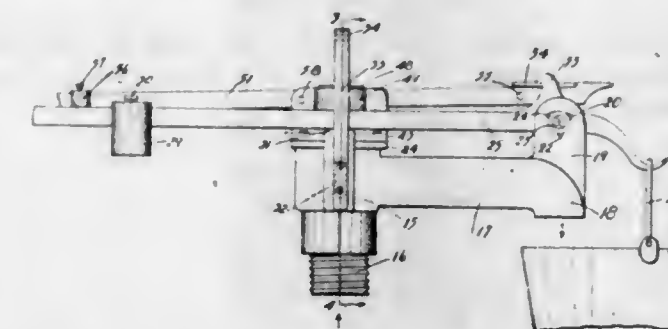
1,513,966. MOTOR VEHICLE. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 29, 1919. Serial No. 286,090. 18 Claims. (Cl. 180—75.)



1. In wheel and axle construction, the combination with an axle member and a spring pad mounted thereon, of a torque reaction member sleeved on the outside of said axle member and connected to said spring pad, a

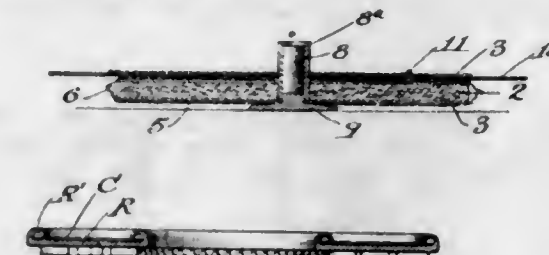
road wheel mounted on bearings on said torque reaction member, a driving shaft extending through the axle member and having a pinion at its outer end, a gear mounted on the road wheel, and intermediate gears mounted on the torque reaction member meshing with said pinion and wheel gear.

1,513,967. LIQUID-DISPENSING DEVICE. SAMUEL M. COZAD, Los Angeles, Calif. Filed Oct. 12, 1922. Serial No. 593,970. 4 Claims. (Cl. 240—58.)



1. A main receptacle supporting lever, counter-balancing means adjustable on the main lever, a pipe for supplying liquid to the receptacle supported by the main lever, a valve for controlling the passage of liquid through the pipe, a second lever for actuating the valve, counter-balancing means adjustable on the second lever, and latching means for connecting the main and second levers in position with the valve open and the counter-balancing means ineffective to actuate the second lever and close the valve until a pre-determined quantity of liquid has been supplied to the receptacle to over-balance the counter-balancing means and release the latching means and allow the second lever to be operated by its counter-balancing means and close the valve to discontinue the supply of liquid to the receptacle.

1,513,968. GAME. EDGAR H. CRANDALL, Los Angeles, Calif. Filed Jan. 19, 1923. Serial No. 613,656. 7 Claims. (Cl. 46—59.)



1. In quilt game apparatus, a quilt consisting of an annulus having detachable score keeping cards on one of its faces, and means for detachably retaining the score keeping cards in place.

7. In quilt game apparatus, a pad consisting of an inner core member of cushioning material, an envelope enclosing the core and being of pliant material of the character to practically eliminate noise during play, target forming top sections adapted to be laid upon the pad, and a centering pin passing through and maintaining position of the pad and the target forming top sections.

1,513,969. ROOFING MACHINE. HARRY CUMFER, Chicago, Ill., and OWEN D. MCFARLAND, Mishawaka, Ind., assignors of one-fourth to Carl F. Hofmann and George P. Heppes, both of Chicago, Ill. Original application filed May 5, 1913. Serial No. 765,696. Divided and this application filed Apr. 1, 1918. Serial No. 225,960. 7 Claims. (Cl. 91—67.9.)

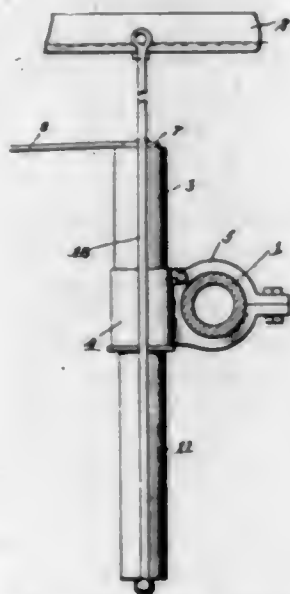
1. A device of the kind described comprising means for feeding a sheet of roofing coated with an adhesive waterproofing material, of means for feeding granular

material of a given size and color to predetermined areas of said roofing determined by endless perforated pattern



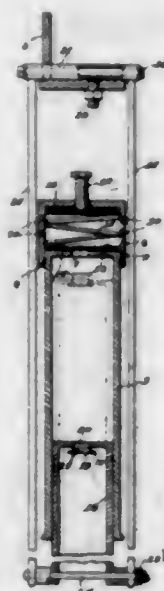
bands and means in advance of the first named means for feeding granular material of the same size but different color to the other areas of said roofing.

1,513,970. SHOCK ABSORBER. EDWARD B. DAVIS, Cambridge, Ohio. Filed Oct. 18, 1923. Serial No. 669,351. 6 Claims. (Cl. 188-88.)



1. A rebound shock absorber including a cylinder having means for securing it to the axle of an automobile and having restricted exhaust openings, a piston mounted in the cylinder for reciprocating movement, a valve mounted in the piston for admitting air on the outward stroke, and means for connecting the piston with the frame of the automobile for movement therewith.

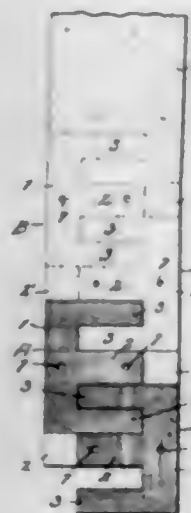
1,513,971. REBOUND SHOCK ABSORBER. EDWARD B. DAVIS, Cambridge, Ohio. Filed Mar. 14, 1924. Serial No. 699,321. 10 Claims. (Cl. 188-88.)



1. A rebound shock absorber including a cylinder having means for securing it to the axle of an automobile and having exhaust openings, means to adjustably restrict said exhaust openings, a piston mounted in the

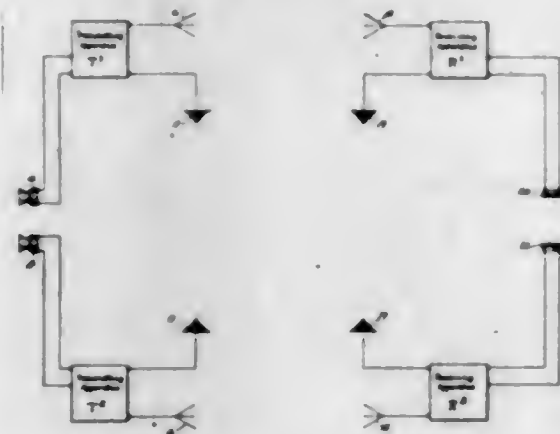
cylinder for reciprocating movement, a valve mounted in the piston for admitting air on the outward or downward stroke, and means for connecting the piston with the frame of the automobile for movement therewith.

1,513,972. METHOD OF MAKING LAMINATIONS FOR TRANSFORMER CORES. JOSEPH DESLOGE, St. Louis, Mo., assignor to Killark Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 20, 1923. Serial No. 658,411. 8 Claims. (Cl. 164-123.)



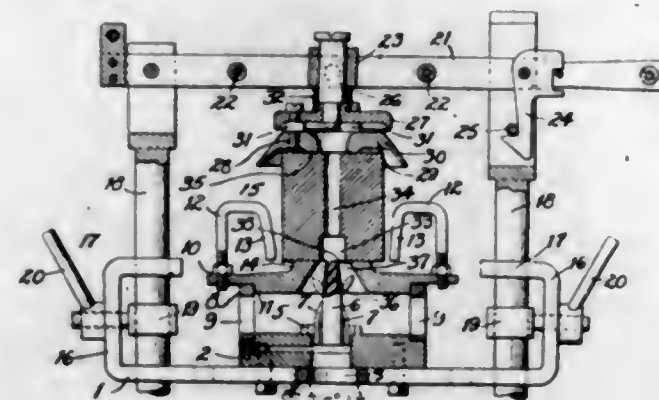
1. The method of producing similar substantially E-shape core-laminations, each integrally comprising a yoke and center and end tongues projecting in parallel spaced relation from the inner margin of the yoke which comprises the feeding of a metallic ribbon between co-operating dies of a suitable press and by die-operations on successive strokes of the press punching the laminations in individual E-shape from the ribbon.

1,513,973. RADIOTELEPHONY. FRANKLIN M. DOOLITTLE, New Haven, Conn. Filed Feb. 21, 1924. Serial No. 694,388. 4 Claims. (Cl. 250-6.)



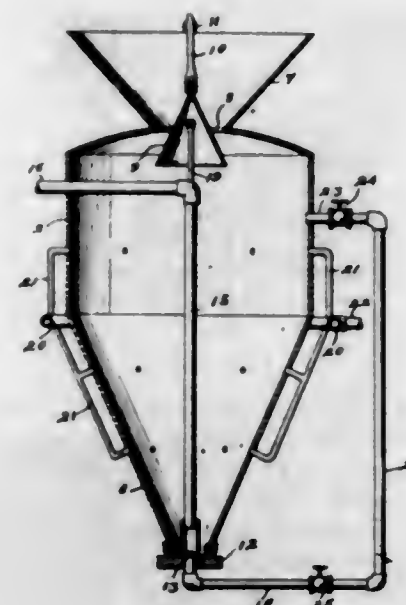
4. A method of transmitting and receiving sounds by radiotelephony with the effect of evoking in the mind of the listener a mental picture of substantially the relative location of the initial production of the various sounds, the said method consisting in transmitting the sounds from the point of their initial production through two independent non-interfering channels of radio communication and converging the sounds so transmitted upon the respective ears of the listener, whereby there is evoked in his mind substantially the same consciousness of the location of the origin of the various sounds as would be actually apparent to a person located at the scene of their origin.

1,513,974. QUENCHING APPARATUS. ERIK W. EHN, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Feb. 12, 1923. Serial No. 618,600. 10 Claims. (Cl. 266-6.)



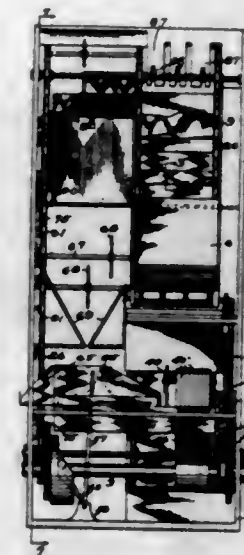
1. A device for quenching articles having a bore which comprises a support for the article being quenched having a hole therethrough that communicates with the bore of the article, the article being disposed with a portion overlapping said hole, means for spraying the bore of the article with quenching liquid and means for spraying the portion thereof that overhangs the hole in said support with quenching liquid.

1,513,975. APPARATUS FOR MIXING MATERIALS. LEWIS HAY EICHELEBERGER, Baltimore, Md. Filed Oct. 20, 1922. Serial No. 595,718. 5 Claims. (Cl. 250-4.)



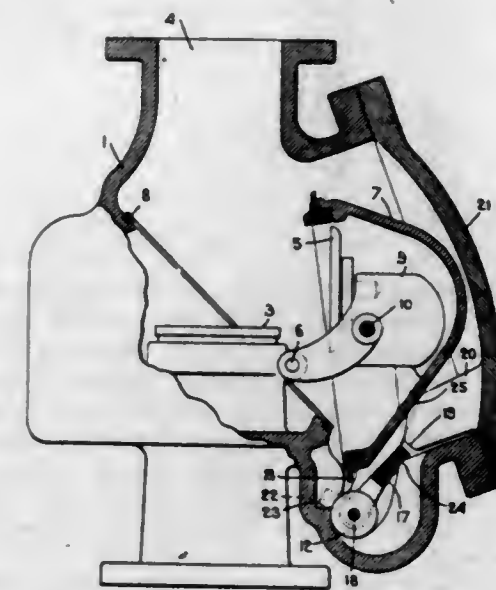
1. In an apparatus for handling materials the combination with a receptacle having a contracted portion, of a discharge pipe on the interior of the receptacle with its lower end terminating slightly above the lower end of the contracted portion and said pipe passing through the wall of the receptacle and leading to the exterior thereof; valve means for controlling the inlet of material to the receptacle; means at the lower end of said discharge pipe for cutting off communication between said pipe-end and the interior of the receptacle and means for admitting fluid under pressure into the receptacle beneath the said lower end of the discharge pipe to force the materials from the receptacle up through said discharge pipe.

1,513,976. SOLE-ASSORTING MACHINE. LESTER L. D. ELDERKIN, Toledo, Ohio. Filed Mar. 24, 1922. Serial No. 546,347. 18 Claims. (Cl. 83-92.)



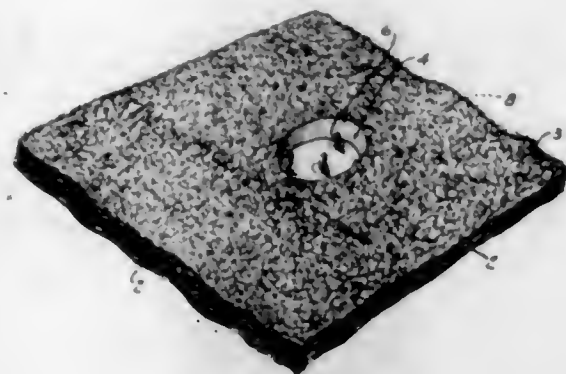
1. In an assorting machine for sole leather and the like, a plurality of independently operating calipering parts for engaging the article to be calipered at different points for independently determining the thickness of predetermined different parts of leather soles, means for collecting the soles together that produce substantially the same extreme calipering results by any one of the calipering means that contact with the leather.

1,513,977. DRY-PIPE VALVE. JOHN EDWARD EVANS, New York, and FRANCIS H. GRIFFITHS, Yonkers, N. Y., assignors to The Reliable Automatic Sprinkler Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 26, 1923. Serial No. 670,862. 5 Claims. (Cl. 169-22.)



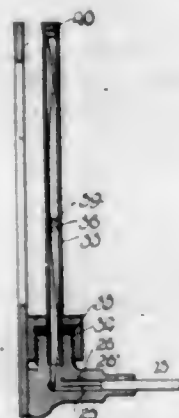
1. In a dry-pipe valve, the combination with a casing, a pivotally mounted water valve therein and an air valve pivotally carried by the water valve, of a latch carried by the air valve, an abutment co-operating with said latch to hold the air valve open, and means to swing the latch into operative position by the final opening movement of the air valve.

1,513,978. INDOOR PUTTING GREEN. WILLIAM S. FLYNN, Ardmore, Pa., and ROBERT H. FANCHER, Port Chester, N. Y. Filed Jan. 27, 1922. Serial No. 532,087. 10 Claims. (Cl. 46-4.)



1. An artificial putting green comprising a mat constructed when placed upon a floor or similar support to present substantially its entire upper surface so that a golf ball will rest thereon formed of a sheet of loosely felted animal hair, said sheet presenting a putting surface of irregularly directed and projecting bristly fibres.

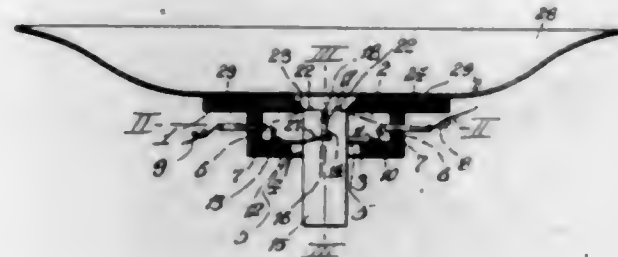
1,513,979. TEMPERATURE-INDICATING MEANS FOR INTERNAL-COMBUSTION ENGINES. HERBERT H. FREY, Chicago, Ill.; Hannah H. Frey administratrix of said Herbert H. Frey, deceased. Filed Aug. 12, 1918. Serial No. 249,600. 6 Claims. (Cl. 73-52.)



1. A temperature indicating device comprising, in combination, a reservoir, a tubular element extending away from said reservoir to a remote point, wire means partly filling the inner bore of said element throughout the length of said element to diminish the volume of fluid therein, and a liquid filling said reservoir and tubular element to the remote end thereof, said element being open to atmosphere at its remote end, whereby the operation is by change of volume at substantially constant pressure.

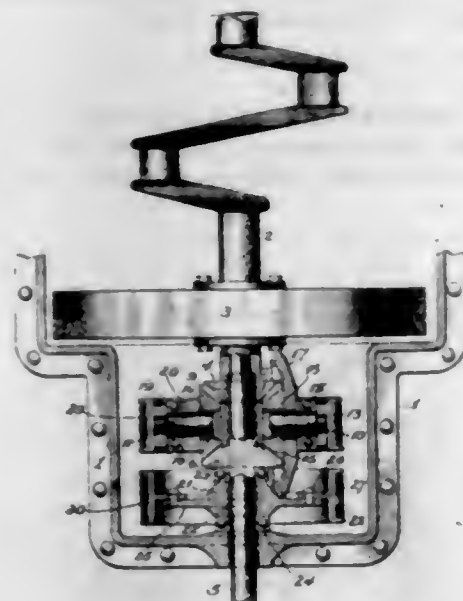
4. In a device of the kind described, a screw threaded bushing for mounting in the wall of a chamber, said bushing provided with a smooth straight central hole, a hollow member comprising a chamber having a stem extending thru said central opening and substantially fitting same, a conical shoulder at the inner end of said stem, and a screw threaded nut on the outer end of said stem adapted to draw said shoulder tightly against the inner end of the bushing to form a joint of line contact therewith, said connection between the bushing and the member constituting a swivel connection.

1,513,980. FLASH LAMP FOR CAMERAS. RUSSELL E. FROELICH, St. Louis, Mo., assignor of one-sixth to Marlon F. Parker, Webster Groves, Mo. Filed Oct. 2, 1920. Serial No. 414,305. 7 Claims. (Cl. 67-28.)



1. An electric flash plug having a pair of fusing wires one of which is tortuous, a pair of terminals borne by the plug to which the respective ends of said wires are secured, and a holder for said plug bearing a pair of contacting members for engagement with said terminals.

1,513,981. TRANSMISSION MECHANISM. LEO A. GILBERT, Baltimore, Md., assignor of one-half to Philip F. Gilbert, Baltimore, Md., and one-fourth to Henry Chilverd, Davenport, Iowa. Filed Feb. 7, 1923. Serial No. 617,620. 2 Claims. (Cl. 74-34.)

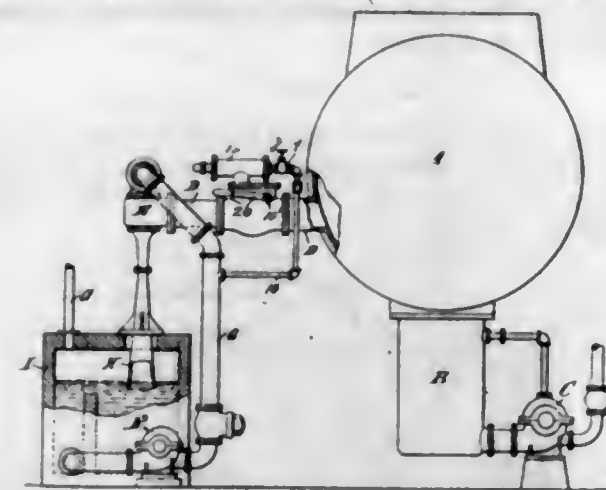


1. Transmission mechanism comprising axially aligned driving and driven shafts, a series of constantly meshing gears constituting a differential gearing connecting the shafts and including opposed gears fixed upon the respective shafts, a spider rotatably mounted on one of the shafts between said fixed gears and carrying the intermediate gears of the differential gearing, a gear concentric with and fixed to one of said intermediate gears, a gear loose on the driven shaft and constantly in mesh with the last-mentioned gear, and brake devices controlling the rotation of the spider and said loose gear.

1,513,982. SAFETY SHUT-OFF VALVE FOR CONDENSER SYSTEMS. JOHN F. GRACE, Kearny, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 22, 1920. Serial No. 432,477. 5 Claims. (Cl. 257-24.)

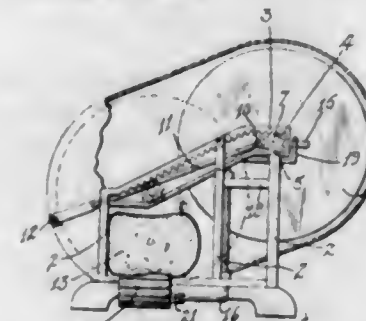
5. The combination with a condenser system employing a hydraulic air discharge pump or the like, of a shut-off valve on the air pump connection to the condenser, pressure controlled valve trip mechanism normally holding said valve open, a connection from the air pump pres-

sure supply to said trip mechanism for tripping the valve to close it when the pressure in the air pump



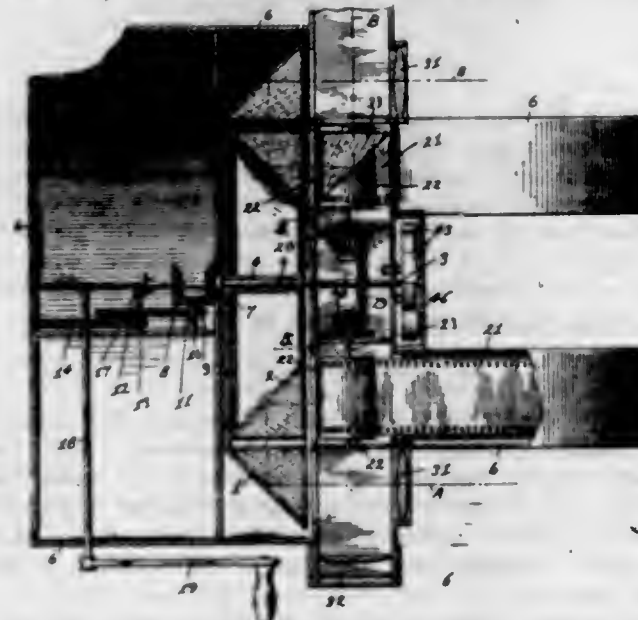
supply connections falls below a predetermined minimum, and dash-pot mechanism for cushioning the closing of said valve.

1,513,983. BREAD CUTTER. HANS C. GREENBROOK, Chicago, Ill. Filed May 16, 1924. Serial No. 713,789. 3 Claims. (Cl. 146-104.)



1. A bread cutter of the character described, comprising a base arranged to support a loaf of bread, means for moving said loaf longitudinally, a rotary disk cutter, an inclined toothed rack, a pinion associated with said cutter in mesh with said rack, and manually operated means for moving said cutter along said rack, whereby said cutter is caused to revolve and move toward said bread, said manually operated means being connected with said means for moving said bread, whereby said bread may be moved each time said disk cutter moves away from said bread.

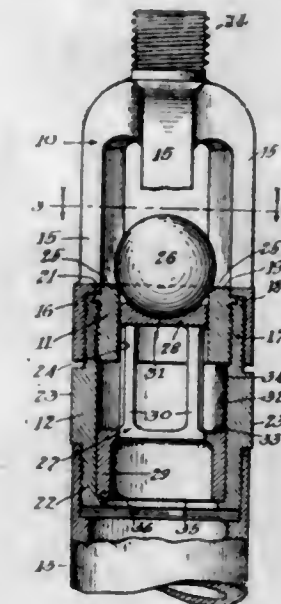
1,513,984. OPTICAL INSTRUMENT FOR TAKING AND PROJECTING PICTURES. GRAVES GRIFFITH, San Francisco, Calif. Filed Mar. 13, 1922. Serial No. 543,285. 19 Claims. (Cl. 88-16.4.)



1. In an apparatus of the character described, the combination with means for continuously moving a film, of concentrically mounted spaced elements having re-

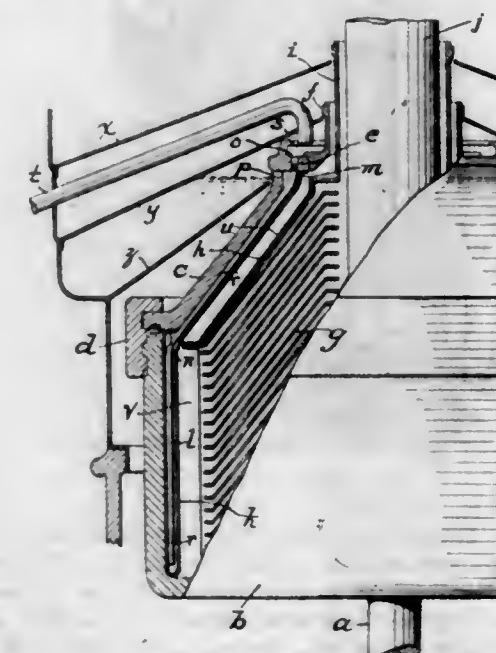
flecting surfaces at right angles to each other and cooperating to direct light upon said film, and means for rotating said reflectors in opposite directions about their common center.

1,513,985. BALL VALVE. ROBERT W. GUNN and WILLIAM A. S. THOMPSON, Los Angeles, Calif. Filed Mar. 18, 1922. Serial No. 544,817. 1 Claim. (Cl. 251-121.)



In a valve, a cage and a seat with a fluid passage through the seat, a loose valve adapted to seat on the seat and to move bodily off the seat in a direction axial of the fluid passage, and an axially movable guide and carrier for the valve slidable in the fluid passage, said guide and carrier having a part that normally and substantially closes the passage when the valve is on the seat, so that fluid pressure in the passage under the guide and carrier will press upon the guide and carrier to raise it to a point where its said part is out of the fluid passage, and to raise the valve off the seat.

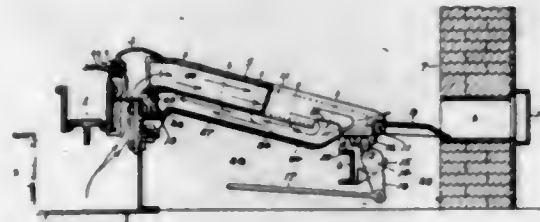
1,513,986. PROCESS FOR SEPARATING SOLIDS FROM LIQUIDS. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Original application filed Mar. 25, 1922, Serial No. 546,810. Divided and this application filed Aug. 3, 1923. Serial No. 655,388. 10 Claims. (Cl. 233-11.)



7. The process of separating two ingredients of different specific gravities one of which is in a liquid state and the other of which is solidified, which comprises subjecting the mixture to centrifugation to divide the ingredients into zones, flowing off separately the two

ingredients, subjecting the heavier ingredient in its passage from the locus of separation to the point of discharge to the heating action of a flowing stream of fluid sufficiently hot to prevent clogging in the discharge passage, and maintaining the heating fluid out of contact with the heavier ingredient.

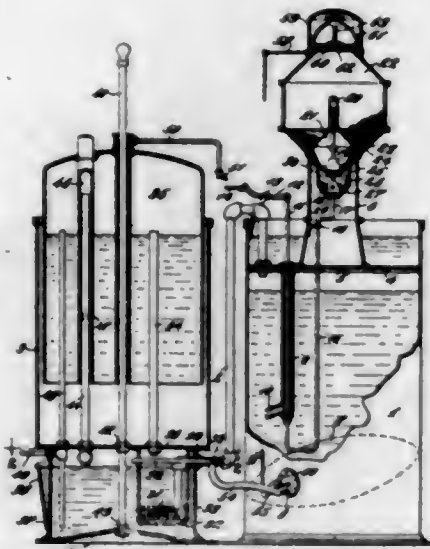
1,513,987. AUTOMATIC STOKER. WILFRED A. HARE, Detroit, Mich. Filed July 14, 1919. Serial No. 310,794. 14 Claims. (Cl. 110-44.)



6. In a furnace, a grate comprising a plurality of grate bars each having an air inlet passage open adjacent one end of the bar to receive air under pressure and having a channel beneath said air inlet passage, said channel communicating with the said passage at the end of the bar opposite that through which the passage opens, said channel opening through a side of the bar and forming together with a channel in an adjacent bar, a passage which is open upwardly through the grate surface between adjacent bars.

7. In a furnace, a grate comprising a plurality of fixed and movable hollow grate bars adapted to receive air and to discharge the same throughout the grate surface, said movable bars having openings adapted to be opened intermittently by the movement of said bars to discharge air therefrom for maintaining combustion other than upon said grate surface.

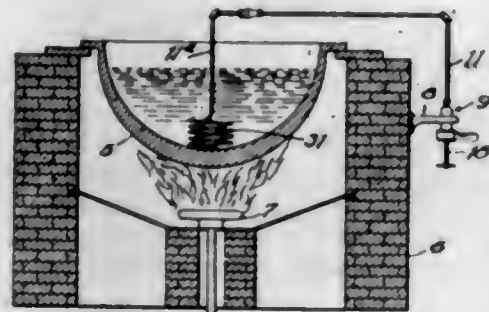
1,513,988. ACETYLENE GENERATOR. JOHN HARRIS, Lakewood, Ohio. Filed Nov. 1, 1920. Serial No. 420,943. 4 Claims. (Cl. 48-53.1.)



1. In an acetylene apparatus, the combination of a generator, a main carbide receptacle having a downwardly inclined bottom with a central outlet, a valve above the inclined bottom and controlling the outlet, an auxiliary receptacle below the former receptacle and having an inclined bottom with a central outlet therethrough, a valve above the inclined bottom of the latter receptacle and controlling the outlet, a rod extending through said valves, the latter valve being connected to the rod and the first-mentioned valve being loose on said rod, and a

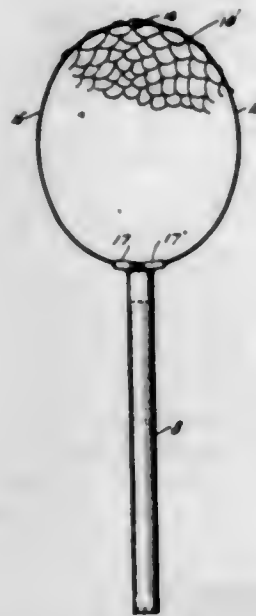
projection on said rod intermediate said valve and adapted to engage and lift the first-mentioned valve when the rod has been moved a predetermined distance, substantially as specified.

1,513,989. METHOD OF DEOXIDIZING AND CLEANING METALS AND ALLOYS. BERTEL O. HENNING, Chicago, Ill. Filed May 31, 1918. Serial No. 237,386. 4 Claims. (Cl. 75-17.)



1. The method of deoxidizing and cleaning metals and alloys, which consists in introducing a mixture of steam and volatilized boric acid into the molten metal or alloy.

1,513,990. COLLAPSIBLE LANDING NET. SAMUEL H. HIGGINOTHAM and HENRY G. GODLEY, Alhambra, Calif., assignors to Radium Appliance Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 22, 1923. Serial No. 669,957. 6 Claims. (Cl. 43-12.)

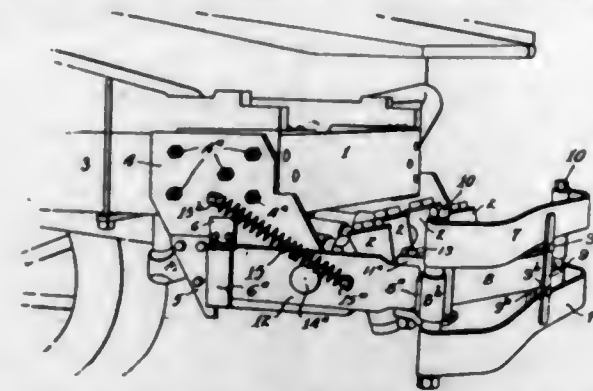


1. In a landing net, the combination of a tubular handle, a net frame slidably mounted in the bore of said handle, said net frame comprising a collapsible hoop split to provide overlapping fingers, a shank block slidably mounted in said handle, means pivotally securing said fingers to said block at the ends thereof, and resilient means mounted on said block engaging the free ends of said fingers and tending to spread the latter.

1,513,991. VEHICLE BUMPER. ARCHIE E. HOMAN, Cleveland, CLAYTON H. HOMAN, Lakewood, Ohio, and OWEN DOUTT, Detroit, Mich., assignors, by mesne assignments, to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Mar. 4, 1922. Serial No. 541,259. 13 Claims. (Cl. 293-56.)

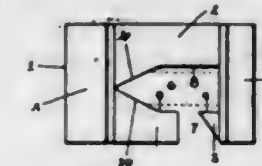
1. A bumper comprising an impact section having a pair of substantially parallel bars and a bar interposed between the first mentioned bars and having its ends

connected to the ends of said arms and its central portion connected to the central portions of such first mentioned bars, the intermediate bar comprising a pair of



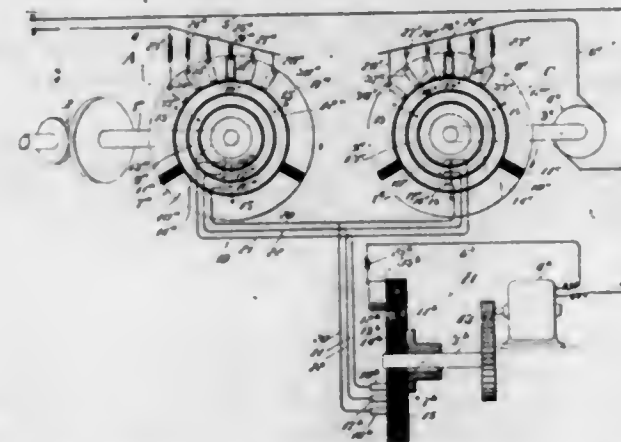
spring plates the combined strength whereof is substantially equal to the combined strength of the first mentioned bars.

1,513,992. BUCKLE FOR BALING COTTON. ROBERT L. HORSLEY, Memphis, Tenn. Filed Feb. 4, 1924. Serial No. 690,431. 2 Claims. (Cl. 24-23.)



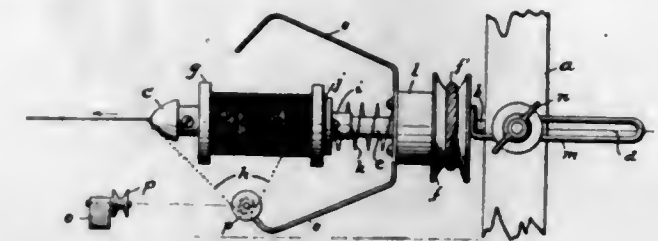
1. In a bale-tie buckle of the class described, having a transverse central opening tapered at one end and a slotted entrance thereto through one band engaging member, band seats shorter in length than the width of bale bands for use with the buckle, the tapering sides of said opening being partly included in the extent of the width of a bale band when applied over said seats.

1,513,993. ELECTRICAL CONTROL APPARATUS FOR SECURING SHAFT SYNCHRONISM. CURTIS L. HOWAR, Detroit, Mich., assignor to The Underfeed Stoker Company of America, Detroit, Mich., a Corporation of New Jersey. Filed Mar. 31, 1921. Serial No. 457,385. 2 Claims. (Cl. 172-293.)



1. The combination with a primary shaft and a motor driven secondary shaft, of control heads respectively associated with the primary and secondary shafts for rotation therefrom, each such head having a plurality of contact strips, electrical connections between corresponding strips of the two heads, two sets of resistance elements having terminals to coact with the respective head-strips, said resistance elements being graded oppositely in the direction of rotative progress of the respective heads, and motor connections arranged to be made through said resistance elements, whereby the resistance in the motor circuit is variable according to relative rotative lag or lead of the heads.

1,513,994. CORD WINDER. EMIL J. HUGO, Philadelphia, Pa., assignor to Largman, Oppenheim & Co., Philadelphia, Pa., a Copartnership composed of Harry Largman, Joseph Largman, Max M. Oppenheim, and Emil J. Hugo. Filed Aug. 22, 1923. Serial No. 658,763. 8 Claims. (Cl. 117-40.)

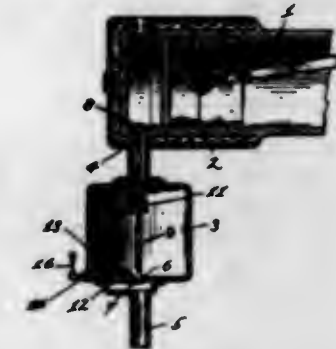


1. In a cord winder, in combination, a loosely mounted spool, a driven member, a friction member adapted to engage the spool, and means affording a yielding connection between said driven member and said friction member.

1,513,995. MANUFACTURE OF READILY-SOLUBLE TANNING PREPARATIONS. CARL IMMERHEISER, Ludwigshafen-on-Rhine, and FRANZ HASSLER, Hamburg, Germany, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 9, 1920. Serial No. 395,126. 5 Claims. (Cl. 149-5.)

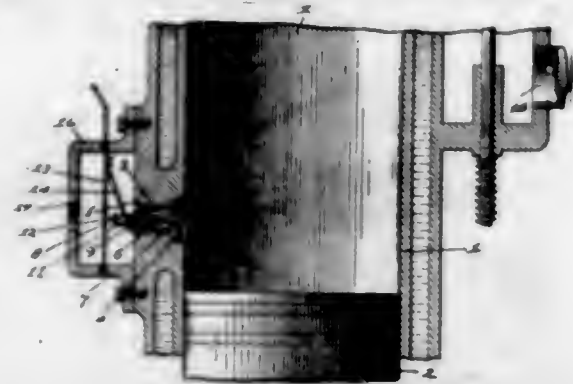
5. The process of manufacturing readily soluble tanning preparations which consists in first leaching a tannin bearing wood with water and then treating the partially exhausted wood with the solution of an aromatic sulfonic acid capable of precipitating glue from acid solutions.

1,513,996. FUEL ECONOMIZER. GEORGE E. INGRAM, Ronan, Mont. Filed Nov. 4, 1922. Serial No. 599,131. 4 Claims. (Cl. 123-75.)



3. A fuel economizer comprising the combination with a cylinder and a piston slidably mounted therein, of a fuel gas receiver having an intake port communicating with a source of fuel supply and an outlet port connected to the intake of the cylinder; means adapted for normally closing the outlet port and opening the intake port of the receiver to admit fuel to the receiver and arranged to be operated by the suction stroke of the piston to close the intake and open the outlet to admit a charge of fuel from said receiver into the cylinder, the quantity of said charge being limited by the size of the receiver and the compression space within the cylinder being arranged to obtain normal compression of the limited charge; an auxiliary port formed in the receiver and connected to the fuel supply; and means normally closing said auxiliary port arranged to be operated to open said auxiliary port to admit fuel from the supply to the receiver during the intake stroke independently from the normal intake to permit a quantity of fuel in excess of the charge normally contained within the receiver to be drawn into the cylinder during said intake stroke, said excess fuel being compressed to a higher degree to give greater power and efficiency.

1,513,997. AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. GEORGE E. INGRAM, Chicago, Ill. Filed Oct. 2, 1923. Serial No. 666,139. 5 Claims. (Cl. 122-75.)



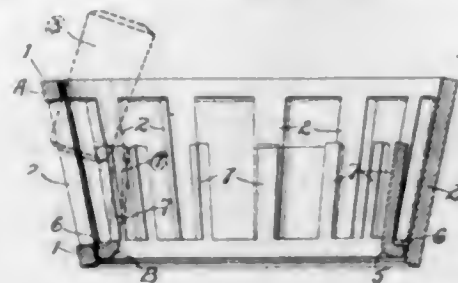
1. The combination with a cylinder of an internal combustion engine, said cylinder having an opening therein, and seats formed upon the inner and outer walls of the cylinder adjacent the opening, of valves carried upon a common valve stem slidably mounted within the opening; and means for moving said valve to normally open or close said opening to admit or exclude air from the cylinder as desired.

1,513,998. CLASP FOR SCARFS, NECKTIES, AND THE LIKE. ALBERT W. KAPFER, Buffalo, N. Y. Filed Aug. 30, 1923. Serial No. 660,168. 4 Claims. (Cl. 2-150.)



1. A necktie-clasp of the character described, comprising a tie-encircling band open at one side, a retaining member fitted in the open side of said band and conforming to the curvature thereof, and teeth on the inner face of said retaining member for engaging the portions of the tie extending through the band to prevent slippage of the latter relative to the tie.

1,513,999. ROLLER-BEARING CAGE. WARD G. KIFER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Mar. 1, 1923. Serial No. 622,008. 5 Claims. (Cl. 64-62.)

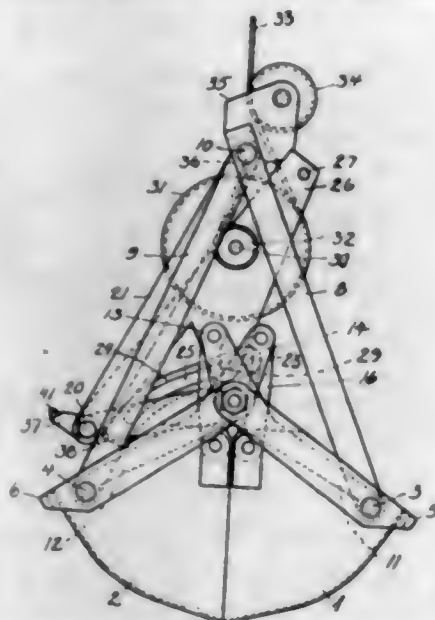


1. A cage or conical roller bearings comprising outer and inner members said outer member comprising annular end members connected by bridges and said inner member comprising an annular end member and conically disposed fingers corresponding to the bridges of said outer member and cooperating therewith to form pockets for the rollers.

1,514,000. GRAB ON SINGLE WIRE. EINAR KJØDE, Bergen, Norway. Filed Dec. 27, 1923. Serial No. 683,082. 7 Claims. (Cl. 37-188.)

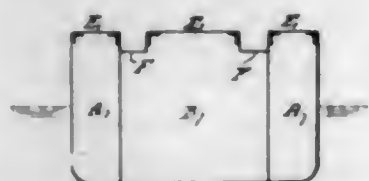
1. A grab comprising buckets, a movable shaft, levers connecting the buckets and shaft and adapted, during upward movement of the latter, to cause the buckets to move towards each other, a frame associated with said

buckets, a member adapted to be swung downward, a wire drum, a wire on the said drum, line cylinders adapted to move in unison with the wire drum, lines on the cylinders wound in a direction opposite to the



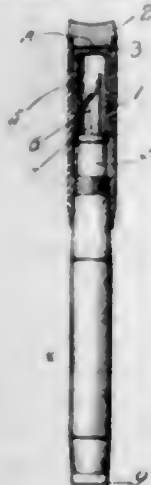
wire, and secured to said frame, whereby during swinging movement of said member, the cylinders are rotated and the rotary movement imparted to the drum causes the wire to wind thereon.

1,514,001. NONSINKABLE CAR FLOAT AND CARGO BARGE. MAX KOPPE, New York, N. Y., assignor of one-half to John B. Verhoeven, New York, N. Y. Filed Nov. 1, 1923. Serial No. 672,064. 2 Claims. (Cl. 114-26.)



1. In a nonsinkable cargo barge a combination of a plurality of water tight compartments forming the sides and ends of said barge traverse bulkhead partitions forming water tight sub-compartments and sub-cargo compartments, hatchway covers over such water tight compartments, gangways extending parallel to the length of said barge and depressed below the level of the said hatchways as and for the purposes herein described.

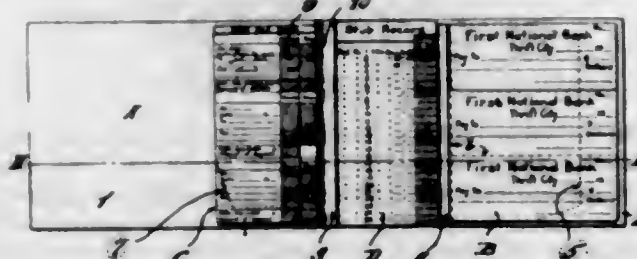
1,514,002. FOUNTAIN PEN OR THE LIKE. GEORGE M. KRAKER, Chicago, Ill. Filed Apr. 13, 1923. Serial No. 631,775. 4 Claims. (Cl. 40-19.)



3. A fountain pen casing element provided at one end with a threaded recess having a bottom wall, an identification disk mounted on said bottom wall, and a transparent plug having a threaded shank-portion adapted to

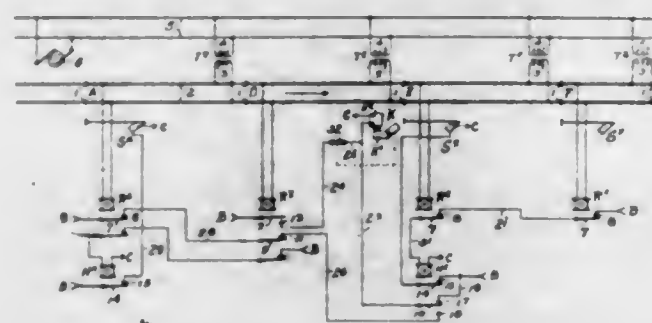
substantially fill said recess and having a head-portion corresponding in external diameter with that of the casing element and adapted to rest upon the same, the said head-portion constituting an ornamental element for said casing element.

1,514,003. CHECK BOOK. ARCHIBALD B. LEWIS, St. Louis, Mo., assignor to Geo. D. Barnard Stationery Company, St. Louis, Mo., a Corporation of Missouri. Filed July 16, 1920. Serial No. 396,805. 2 Claims. (Cl. 281-17.)



1. A check book comprising a front member and a back member hinged together, a pad of checks mounted on one of said members, the top surface area of said pad of checks being less than that of said member so as to provide a stub-receiving space on said member, and a pad of check stubs mounted on the other member and adapted to occupy said space when said book is closed, said check stubs being secured together and to the associated member at their upper edges to form a hinge whereby they may be folded over the upper edge of the pad of check stubs, said checks being secured together and to the associated member at one of their side edges to provide a hinge at a right angle to the hinge of said check stubs, and said checks being separate from the corresponding check stubs so as to permit independent movement of said checks and stubs on their respective hinges.

1,514,004. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,289. 6 Claims. (Cl. 246-47.)



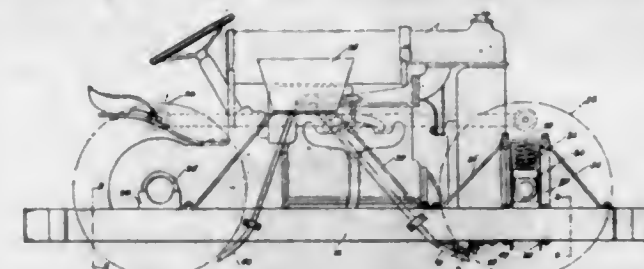
1. A railway traffic controlling system comprising a trackway trip, means controlled by traffic conditions in the rear of said trip for retaining said trip in its inoperative position and means controlled by said trip for preventing the said first means from moving said trip from its operative to its inoperative position.

1,514,005. LOCOMOTIVE RUNNING-GEAR ATTACHMENT FOR TRACTORS. JOSEPH C. MEIGHAN, Birmingham, Ala., assignor to E. T. Sanborn, Birmingham, Ala., doing business as W. T. Sanborn & Company. Filed Aug. 8, 1921. Serial No. 490,512. 2 Claims. (Cl. 105-62.)

1. In combination, a tractor, a railway truck having a forward axle and wheels therefor, means to mount the tractor on the truck in position to receive on its rear

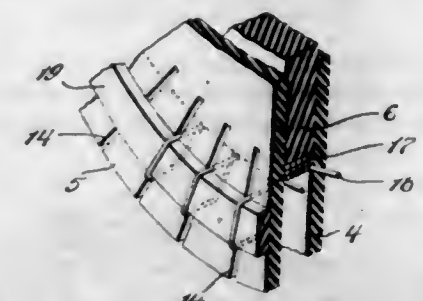
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axles the rear truck wheels, and means to drive said axles non-differentially comprising a pair of hemispherical couplings keyed on the adjacent axle ends and



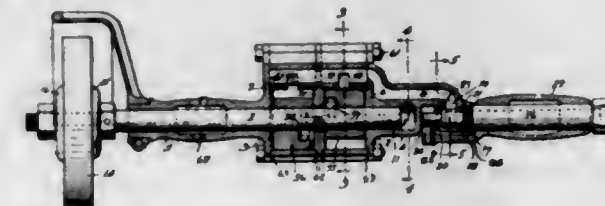
grooved to receive between them and be interlocked by a differential spider, and means to drive the couplings through said spider.

1,514,006. VARIOCOUPLER. FRANCIS N. MERWIN, St. Louis, Mo. Filed Feb. 21, 1923. Serial No. 620,324. 2 Claims. (Cl. 175-359.)



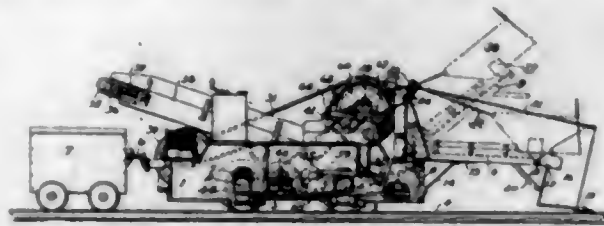
1. A primary coil comprising a slotted disk and a plate, said disk and plate secured together by a core, said disk having radial slots formed therein, a mutilated circular bar positioned over the slots in said disk, a coil of wire wrapped around said core for a definite number of turns having a dead end and the other end extending through one slot over said bar into said slot and under said bar in said slot and over said core for a definite number of turns, said winding continuing and proceeding in such manner until all the slots have wires embedded in them.

1,514,007. ROTARY MOTOR. EDWARD J. MOORE and RAYMOND H. MOORE, Cleveland, Ohio, assignors to The Rotor Pneumatic Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 18, 1920. Serial No. 417,547. 17 Claims. (Cl. 121-34.)



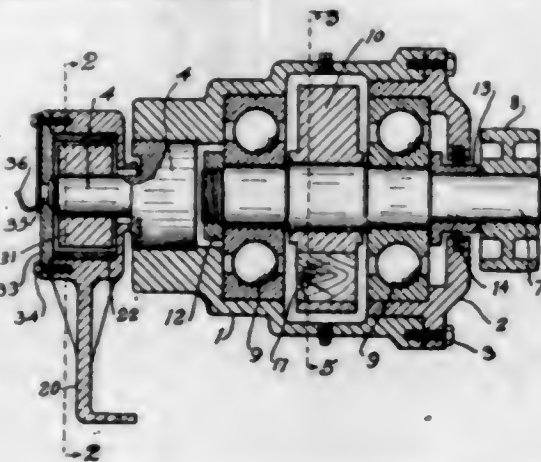
1. In a rotary motor, the combination of a cylinder having an inlet connection and an exhaust connection, a rotor in said cylinder, a housing interposed between the inlet and exhaust connections, and a laminated abutment slidably mounted in said housing and adapted to engage said rotor and to be reciprocated thereby, said housing having a port communicating with the inlet connection and adapted to admit pressure fluid to the outer end of said abutment when the latter is in its inward position and to be covered by said abutment when the latter is near its outward position, whereby the said abutment is held in engagement with the rotor and its movement toward the outer end of the housing is cushioned, said housing having a restricted opening in its outer end and a capillary medium adapted to conduct lubricant across said opening and to deliver the same to the inlet connection.

1,514,008. COMBINED MATERIAL REMOVING AND CONVEYING MACHINE. JAMES P. MOSIER, St. Francis, Mo., assignor, by direct and mesne assignments, to National Lead Company, New York, N. Y., a Corporation of New Jersey. Filed May 9, 1921. Serial No. 467,819. 15 Claims. (Cl. 214-90.)



1. In a self-propelled wheeled loading machine wherein the digging action of the scoop is effected by the bodily movement of the machine, a conveyor, a rigid boom pivotally mounted near one end of said conveyor, and a scoop pivotally mounted on the end of said boom, said scoop being adapted to deliver its contents onto said boom and said boom being arranged to deliver same onto said conveyor.

1,514,009. SCREENING MACHINE AND VIBRATING HAMMER THEREFOR. HERAND K. NAJARIAN, Bohne Terre, Mo. Filed Aug. 10, 1923. Serial No. 656,680. 8 Claims. (Cl. 83-56.)



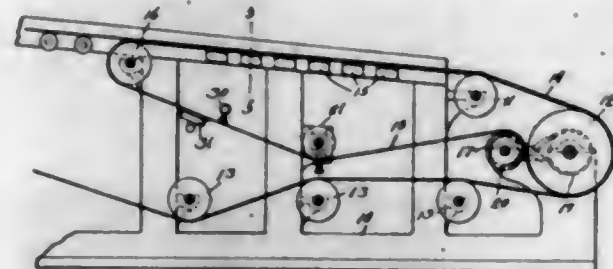
1. In a screening machine comprising a support, a vibrating hammer yieldingly supported from said support and vibrating in a closed nonlineal path during operation, a single roller rotatably mounted on said vibrating hammer and vibrating therewith, a screen carried on a screen frame and yieldingly supported on springs, a transmitter rigidly connected to said screen frame and screen, a ring forming a part of said transmitter and having one or more portions of its inside surface adapted to come in contact with said roller a given number of times during a rotation of said roller, thereby causing change in momentum of the vibrating hammer and generating force which vibrates said transmitter and said screen in the direction of said force.

1,514,010. KNOT-TYING ATTACHMENT FOR PENCILS. FERDINAND S. PECK, Los Angeles, Calif. Filed Oct. 26, 1923. Serial No. 671,061. 7 Claims. (Cl. 289-17.)



7. A device for tying a knot, comprising a body, a portion struck out from said body and being reversely bent upon itself to form an open mouth hook, the reversely bent portion co-operating with the end of said body to form a closed eye.

1,514,011. PAPER-MAKING MACHINE. CHARLES E. POPE, Springfield, Mass., assignor of two thirds to Garret Schenck, Millinocket, Me., and William A. Whitcomb, Dedham, Mass.; Mary A. Pope executrix of said Charles E. Pope, deceased. Filed Feb. 13, 1920. Serial No. 358,350. 18 Claims. (Cl. 92-52.)



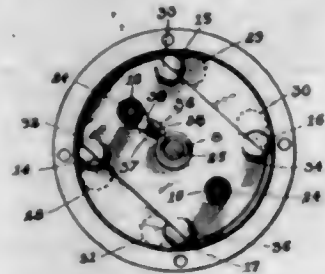
2. In a paper-making machine, the combination with the paper-making wire, the suction boxes and the couch roll, of an endless wire-protecting and supporting traveling felt co-extensive with that portion of the wire extending over the suction boxes and couch roll and interposed between the wire and the suction boxes and couch roll.

1,514,012. ROTATING CUTTING TOOL FOR WORKING METAL, CIRCULAR SAWS, AND THE LIKE. FRIEDRICH RAMBUSCHKE, Berlin, Germany. Filed Mar. 25, 1922. Serial No. 546,693. 2 Claims. (Cl. 29-103.)



1. A rotatable cutting tool for working on metal and adapted for being fed in the work piece transversely to its axis of rotation having cutting teeth with cutting edges inclined rearwardly relative to the radial direction at an angle of substantially 13 degrees.

1,514,013. LOCKING MECHANISM. CONNIE F. RUDOLPH, Washington, D. C. Filed Oct. 31, 1922. Serial No. 598,197. 16 Claims. (Cl. 74-14.)

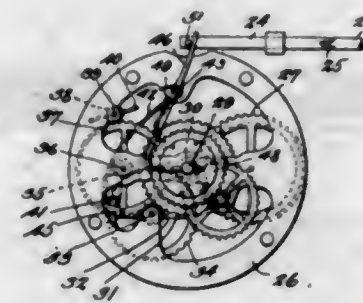


1. A locking mechanism for rotary snap switches and the like comprising a rotatable shaft having a plate fixed thereto, said plate having a plurality of depressions therein, a stationary member parallel to said plate having a plurality of holes therethrough adapted to register with said depressions, balls in said holes, a plate parallel to said fixed member and rotatable about said shaft having a plurality of bent up portions adapted to register with the holes of said fixed member, and resilient means energized by the motion of said shaft adapted to rotate said second plate when released by said balls.

1,514,014. CAMERA ATTACHMENT. RALPH E. SAAGER, Nazareth, Pa. Filed May 5, 1923. Serial No. 636,903. 1 Claim. (Cl. 242-71.)

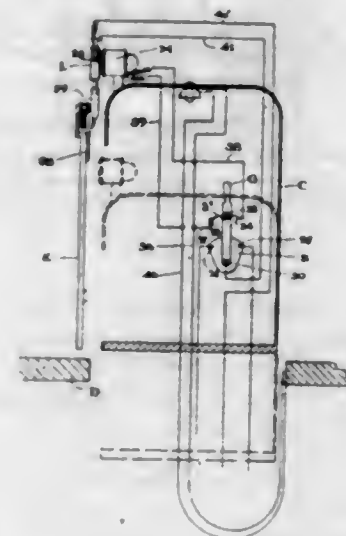
In a film winding device, a spring-controlled film supporting shaft, a disk having notches formed in the periphery thereof and adapted to rotate with the shaft,

gears having laterally extended pins supported adjacent to the disk and adapted to rotate therewith, arms having fingers supported adjacent to the gears, one of the fingers adapted to normally lie in a notch of a disk



to prevent rotation thereof, means for releasing the finger from the notch and simultaneously moving the fingers of the arms into the paths of travel of the pins to stop rotation of the gears after they have moved predetermined distances.

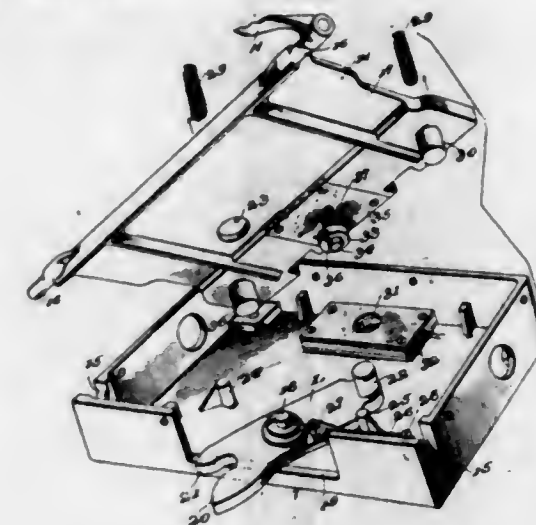
1,514,015. SAFETY LOCKING APPARATUS FOR ELEVATORS. DON ALONZO SANFORD, Washington, D. C.; Greta L. Sanford administratrix of said Don Alonzo Sanford, deceased. Filed Dec. 10, 1920. Serial No. 429,628. Renewed Jan. 26, 1924. 38 Claims. (Cl. 187-61.)



1. The combination in a safety locking apparatus for elevator doors, of a hatchway door carrying door-holding means adapted to be engaged by a locking element; an elevator car; an electro-magnet carried by the car; an electric circuit for the electro-magnet adapted to be connected with a suitable source of electrical energy; a switch for controlling the circuit; and a lock comprising a movable door-locking element adapted to engage said door-holding means and normally lock the door, and an element of magnetic material constituting an armature normally holding said door-locking element in locking position; said element of magnetic material being movable within limits, and, when actuated by the electro-magnet carried by the car, moving to release the door-locking element.

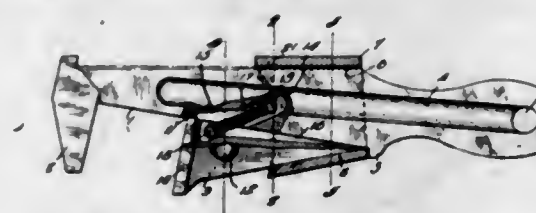
5. The subject-matter of claim 1 with the addition of a casing suitably supported adjacent the path of travel of the electro-magnet on the car, means for pivoting the said door-locking element to the casing so part thereof is in the path of travel of said door-holding means on the door, the said element of magnetic material being movably supported adjacent the said door-locking element; and means for interlocking the said door-locking element and the said element of magnetic material when the door is closed.

1,514,016. SAFETY LOCKING DEVICE FOR ELEVATORS. DON ALONZO SANFORD, Washington, D. C.; Greta L. Sanford administratrix of the said Don Alonzo Sanford, deceased. Filed Aug. 1, 1921. Serial No. 489,040. Renewed Apr. 19, 1924. 22 Claims. (Cl. 187-31.)



5. A locking device for elevator doors comprising a casing containing a locking member and a releasing member of magnetic material, an electro-magnet outside the casing adapted to be carried by an elevator car and, when moved to a position adjacent the said releasing member and energized, move the said releasing member from a locking to a released position, a door with an operating member, and mechanical means co-operating with said releasing member and locking member to lock said releasing member in a released position when the door is open.

1,514,017. WRENCH. DAVID G. SCHROEDER, Mountain Lake, Minn. Filed Nov. 29, 1922. Serial No. 603,973. 1 Claim. (Cl. 81-154.)

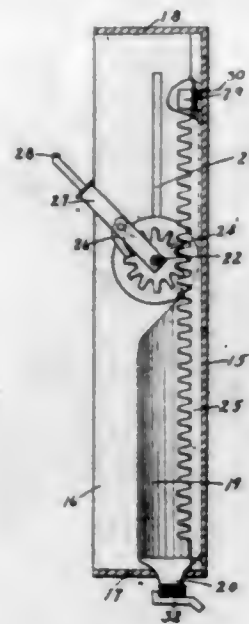


A wrench comprising a shank provided with a fixed jaw, a wedge-shaped rider slidable along the shank and equipped with a movable jaw cooperating with the fixed jaw, a retractile spring having one end connected to the rider, a securing element extending through the shank and engaging the other end of the spring, and a sleeve slidable on the shank and receiving a portion of the rider, the shank having a stop lug against which the sleeve is adapted to abut, the sleeve being cut away at its forward end to permit an insertion of the securing element when the sleeve is in abutment with the lug, the shank and the rider being provided with recesses which receive the ends of the spring, the recess in the rider being prolonged toward the handle end of the shank, and the recess in the shank being prolonged toward the fixed jaw, the recess in the shank being disposed at an acute angle to the prolongation of the recess in the rider, the prolongations of the recesses coming into registration as the rider is advanced, to receive the spring, as the spring is extended.

1,514,018. DENTIFRICE-DISPENSING DEVICE. OSCAR R. SHARPE, East San Gabriel, Calif. Filed Aug. 25, 1922. Serial No. 584,868. 1 Claim. (Cl. 221-60.)

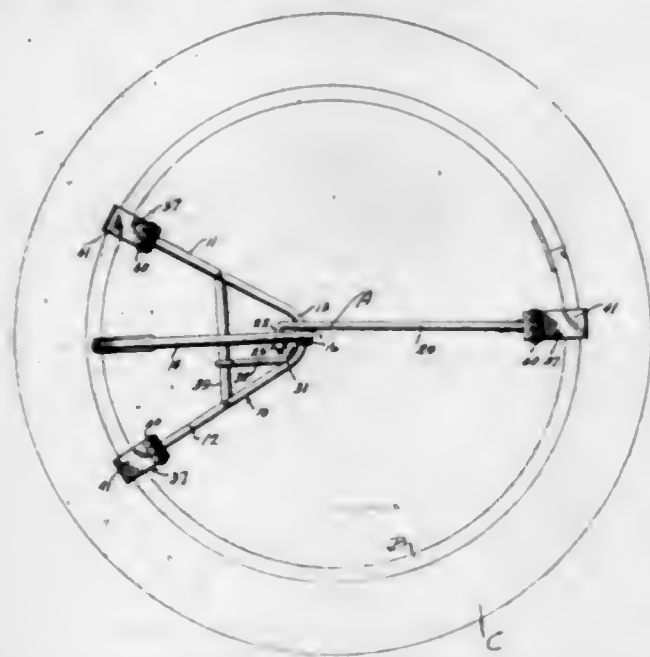
A dentifrice dispensing device comprising a frame having slots therein and an opening adapted to receive the neck of a tube, a locking bar slidably mounted in

certain of said slots and engaging one end of the tube to prevent curling of the latter, a shaft slidable in certain of the slots, a roller mounted on the shaft, gears



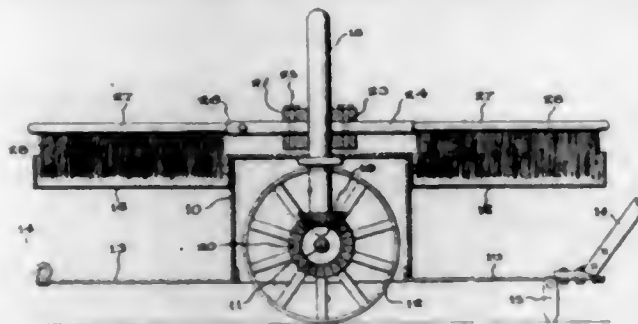
mounted on the shaft, rack bars fixed in the frame and engaged by said gears, a yoke pivotally mounted on the shaft, and pawls carried by said yoke and engageable with said gears for the purpose described.

1,514,019. TIRE-CHANGING TOOL. FRANK SKATULSKI, Detroit, Mich. Filed Apr. 4, 1923. Serial No. 629,834. 1 Claim. (Cl. 157-1.)



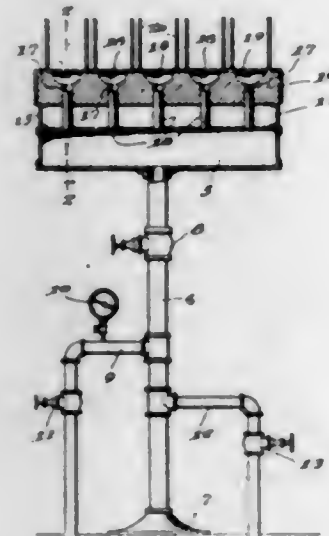
A rim tool comprising a lever having an opening in one end, a bar pivotally connected with said lever in spaced relation to the opening in the end thereof, the lever between the said opening and bar being provided with latch receiving openings, a V-shaped member formed of a bar passed through the opening in the end of said lever and bent to provide arms extending in diverging relation, a latch having one end provided with an eye and the other end with a bill, a rod passing through said eye and having its ends secured to the arms of said V-shaped member intermediate the length thereof to brace the arms and pivotally and slidably mount the latch for movement into and out of position for passage of the bill thereof through a selected latch receiving opening of said lever, and rim engaging members carried by the outer ends of said bar and arms.

1,514,020. INSECT EXTERMINATOR. PAUL ROSSIGNOL SLEDGE, Jr., Augusta, Ga. Filed Apr. 14, 1923. Serial No. 632,111. 3 Claims. (Cl. 299-38.)



1. A machine of the class described comprising a body, supporting wheels therefor, a vertical shaft extending through the body, means operatively connecting the shaft and supporting wheels for rotating the former, wiper elements extending radially from the shaft, an open top receptacle located in the path of the wiper elements and means whereby said elements may be adjusted to regulate their length.

1,514,021. SHOE STEAMER. ERNEST E. SMITH and FREDERICK A. LOVELL, North Adams, Mass. Filed May 26, 1921. Serial No. 472,794. 1 Claim. (Cl. 12-1.)

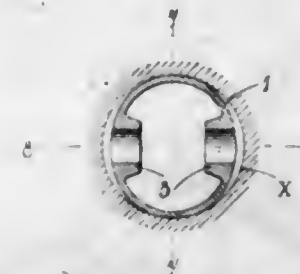


An apparatus for treating lasted shoes to facilitate removal of the last comprising a substantial rectangular steam chest, a combined supporting and steam supply standard connected to the under side of the chest, a plurality of separate pipes extending upwardly from the steam chest and having communication therewith, a shoe supporting member arranged above and in spaced relation to said chest and having a plurality of separate parallel transversely extending channels opening out through the sides of the shoe supporting member, an absorbent body extending over the entire upper surface of the shoe supporting member and the channels therein and being secured to the sides and ends of the shoe supporting member, said shoe supporting member being provided with passages receiving the upper portions of said pipes, whereby communication is established between the steam chest and the channels in the shoe supporting member above the chest, the upper portions of said pipes being spaced below the bottom walls of said channels.

1,514,022. PISTON. SYDNEY SMITH, Gunnersbury, London, England. Filed Jan. 24, 1924. Serial No. 688,299. 1 Claim. (Cl. 74-108.)

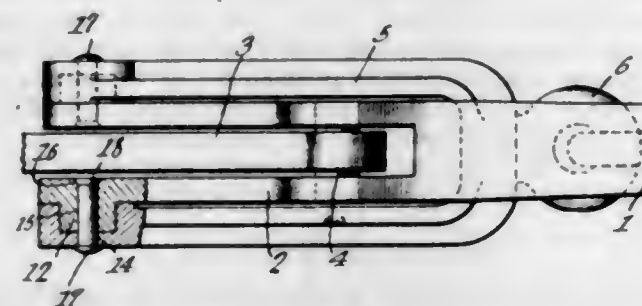
A piston comprising a hollow trunk having a closed end forming a crown and having a pair of internal bosses for receiving a gudgeon pin, the trunk having

elastic walls and being of substantially elliptical cross section, with its exterior width in a direction parallel to the gudgeon pin bosses less than its exterior width at right angles to said bosses, the disparity between these two exterior widths increasing progressively from the upper part near the crown, downwardly whereby upon being placed in its cylinder the piston takes up



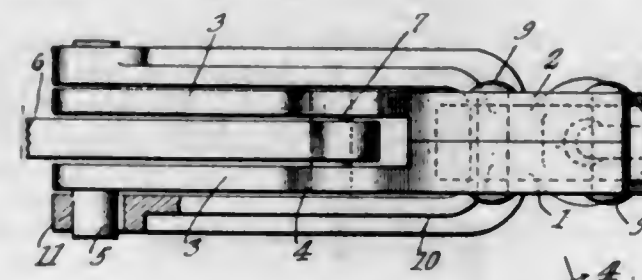
a more cylindrical form, but has the tendency particularly at its lower and more elastic part, to resume its elliptical shape, causing an elastic reaction against the cylinder walls transversely to the gudgeon pin, whereby at the ends of the stroke, the momentum of the piston is destroyed slowly and the piston is brought to rest without knock or tap.

1,514,023. LOAD BINDER. EUGENE C. STACY, Tiffin, Ohio. Filed July 2, 1924. Serial No. 723,775. 2 Claims. (Cl. 254-78.)



2. A load binder including a lever having an angle end portion, said portion being forked, a link pivoted within the angle portion, a yoke straddling the forked end of the lever, means connected to the link and yoke for attachment to a chain or the like, laterally extending cylindrical bosses upon the sides of the forked end of the lever, there being recesses in the inner faces of the sides of the yoke in which the bosses are mounted for rotation, and means extending through and concentric with the bosses for tying the sides of the yoke to the bosses and holding them against the sides of the lever.

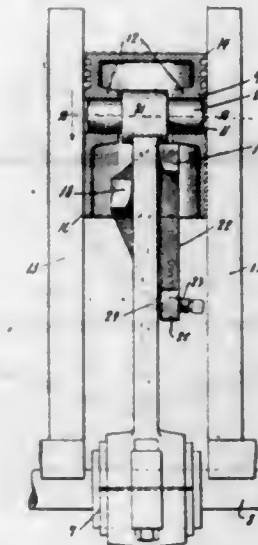
1,514,024. LOAD BINDER. EUGENE C. STACY, Tiffin, Ohio. Filed July 2, 1924. Serial No. 723,776. 2 Claims. (Cl. 254-78.)



2. A load binder including opposed longitudinally channelled heads, arms extending therefrom and co-operating to provide a fork, said arms providing angle portions, a link pivotally mounted between the angle portions of the arms, studs extending laterally from the arms, a yoke pivotally mounted therein and adapted to straddle the arms, attaching devices connected to the

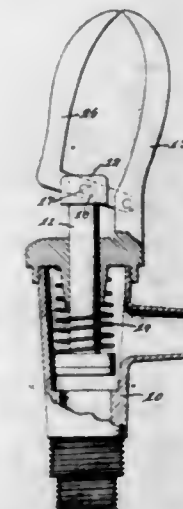
link and yoke respectively, a handle bar seated between the heads and within the channels, and means extending transversely through the heads and bar for holding them assembled and for maintaining the studs within the yoke.

1,514,025. BENDING TOOL. ANDREW STENSRUD, Oakland, Calif. Filed Feb. 19, 1923. Serial No. 620,029. 3 Claims. (Cl. 153-38.)



1. A bending tool for a connecting rod comprising a base plate having projections rising from its face in triangular relation so as to form a bed for the connecting rod with the plate contacting the bottom face, two projections contacting one side thereof and the third projection contacting the other side, and means for forcing one of the two projections away from the connecting rod whereby a bending effect is obtained.

1,514,026. VALVE. STEPHEN STUCKY, Oxford, Ala. Filed Aug. 25, 1923. Serial No. 659,376. 1 Claim (Cl. 251-134.)

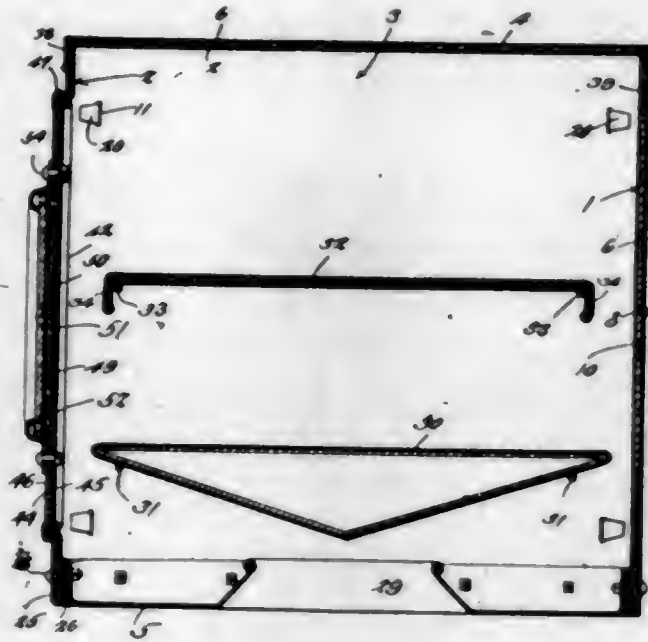


In combination with a valve having a longitudinally movable stem, of an arm rigid with the valve casing, an L-shaped lever having one end of one of its arms pivotally secured to the rigid arm adjacent the casing and its other arm spaced from and substantially parallel with the rigid arm and means connecting the valve stem and the first mentioned arm of the L-shaped lever.

1,514,027. OVEN. JOHN W. WILLIAMS, San Antonio, Tex. Filed Oct. 23, 1923. Serial No. 670,298. 4 Claims. (Cl. 126-275.)

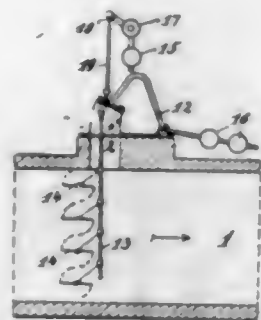
1. In a device of the class described inner and outer layers, the inner layers having openings, a packing between the layers, corner pieces including outer wings, the wings being bent to form inner flanges disposed

parallel to the wings, the flanges being bent to form lips disposed parallel to the flanges and spaced from the flanges, the outer layers of the walls being received between the lips and the flanges, the lips being provided in their edges with bendable tongues extended



through the packings and through the openings of the inner layers of the walls and clinched upon the inner layers, wings of the corner pieces being provided at their ends with bendable tongues engaged across the upper edges of the outer layers of the walls.

1,514,028. DEVICE FOR AUTOMATICALLY REGULATING THE DRAFT IN CHIMNEYS, SMOKE FLUES, OR OTHER SIMILAR APPLIANCES. CARL ANSCHÜTZ, Cassel, Germany, assignor to Gustav Körngel, Cassel, Germany. Filed Jan. 22, 1921. Serial No. 459,267. 2 Claims. (Cl. 137-152.)

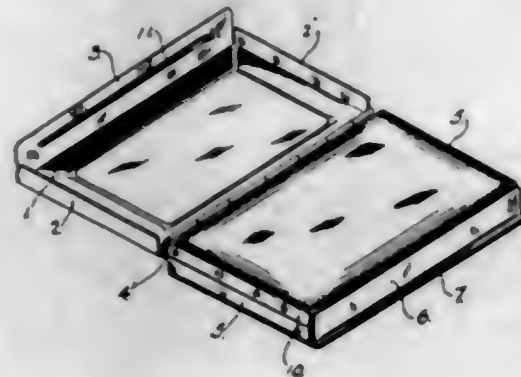


1. The combination with a smoke flue, of a casing extending laterally of the flue and communicating at its inner end with the flue, said casing having end openings of substantially the same diameter as the casing, a plate normally closing the outer end of the casing, a counterbalancing lever supporting the plate free of the casing and adapted to permit the plate to bodily move piston-like lengthwise of the casing without affecting the flue, a damper operated by the movement of said plate and controlling the cross-sectional area of said flue without admitting additional air to the flue, and an auxiliary regulating means connected with the plate.

2. The combination with a smoke flue, of a casing extending laterally of the flue and communicating at its inner end with the flue, said casing having end openings of substantially the same diameter as the casing, a plate normally closing the outer end of the casing, a counterbalanced lever supporting the plate free of the casing and adapted to permit the plate to bodily move piston-like lengthwise of the casing without affecting the flue, a damper operated by the movement of said plate and

controlling the cross-sectional area of said flue without admitting additional air to the flue, and means to gradually change the counter load on the plate commensurate with a change in the draft of the flue.

1,514,029. LIDDED RECEIPTACLE. HARRY AYLIFFE, London, England, assignor to the Caribonum Company, Limited, Leyton, England, a Corporation of Great Britain. Filed Oct. 10, 1922. Serial No. 593,623. 3 Claims. (Cl. 220-32.)



1. In a lidded receptacle of thin sheet metal, particularly for the reception of an ink pad, the combination with a body portion having side walls, a front wall and a base extending beyond said front wall, of a lid hinged to said body portion and fitting loosely thereover, side flanges and a front flange on said lid, said front flange being adapted to engage said base beyond said front wall and limit the closing movement of said lid, said side walls being inwardly inclined so as to permit the side flanges of the lid to pass freely over the said side walls of the body portion and only commence to bind on said side walls at the moment said front flange engages the base beyond said front wall.

1,514,030. SAFETY FASTENER FOR JEWELRY. WILLIAM A. BAKER, Southampton, England. Filed Apr. 12, 1923. Serial No. 631,667. 2 Claims. (Cl. 24-102.)



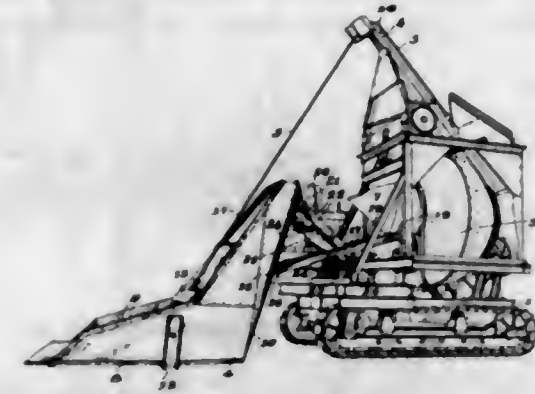
1. In combination with a body member having an inwardly bent end, a spring held link pivotally connected to the opposite end of the body member, a fastening pin connected to and movable with the link, a clutch fastener mounted on the inwardly bent end of the body member for engaging the pointed end of the fastening pin, said fastening pin being movable inwardly and outwardly when the clutch is released.

1,514,031. SOFT TURNDOWN COLLAR. DONALD B. VECKER, Watervliet, N. Y., assignor to Geo. P. Ide & Company, Inc., Troy, N. Y., a Corporation of New York. Filed Dec. 30, 1922. Serial No. 610,055. 3 Claims. (Cl. 2-131.)



3. In a collar, a neckband comprising two plies of comparatively heavy fabric, a marginal binding stitched around the edges of each ply, a plurality of rows of stitches securing said plies together intermediate the top and bottom edges thereof, a fold over top secured between the top edges of said neckband plies by stitching and a row of stitching securing the bottom and end edges of the neckband together.

1,514,032. LOADING SKIP FOR CONCRETE PAVERS. GEORGE E. BLOOD, Nunda, N. Y., assignor to Foote Company, Nunda, N. Y., a Corporation of New York. Filed Nov. 19, 1923. Serial No. 675,611. 9 Claims. (Cl. 214-130.)



1. In a concrete paver having a rotatable mixing drum, a loading skip for charging said drum, pivotal sets of arms for guiding and supporting said skip in its movement, a brace extending across one set of arms, both sets of arms being eccentrically mounted to the paver at their inner ends and pivotally mounted near the mouth and center of the back of the skip respectively so that a movement of the skip will cause the mouth and the central portion thereof to move through arcs of eccentric circles.

1,514,033. VALVE TESTER. WILLIAM A. CANNON, Carmel, Calif. Filed Apr. 16, 1923. Serial No. 632,441. 5 Claims. (Cl. 73-56.)



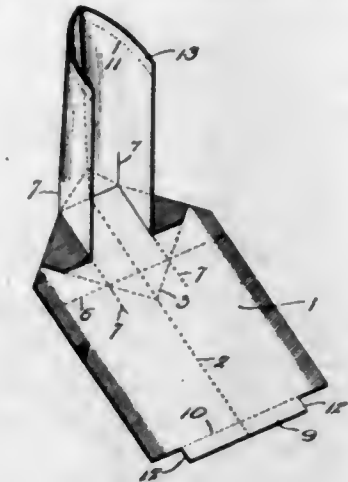
1. In means for testing a valve controlling a pressure medium, a diaphragm having a piston associated with one side thereof, spring means engaging the said side for placing the diaphragm under tension and an operative connection between the valve and the other side of the diaphragm allowing the pressure medium leaking through the valve to bear on the former for actuating the piston.

1,514,034. COLLAPSIBLE PAPER CUP AND BLANK THEREFOR. PAUL H. CARR, Baltimore, Md. Filed Mar. 11, 1922. Serial No. 543,120. 5 Claims. (Cl. 229-53.)

1. A collapsible drinking cup made from a rectangular blank having one longitudinal score positioned centrally and extending throughout the length of the blank, two transverse scores, and four diagonal scores at the center forming a square set diagonally with respect to the blank, diametrically disposed notches in the side edges of the blank flaring from two corners of said square and a score on each side of and parallel with the said centrally disposed score terminating substantially in line with the other corners of said square.

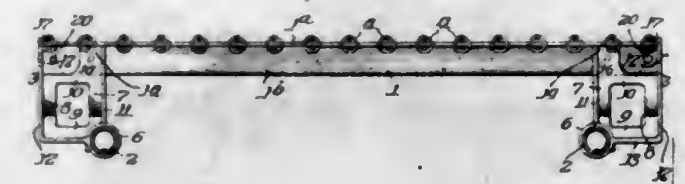
4. In a folding paper cup made of a single blank of the character described, a tongue like integral extension on one end of the blank, a score at the juncture of the extension and blank whereby the extension may be readily folded and secured against the outer face of the blank leaving a portion of the said outer face exposed at

the top of the cup, and a transverse score near the other end of the blank whereby that end portion of the blank may be folded against the outer face of the cup.



the end portions of this fold extending, when the cup is formed to abut the ends of the extension thereby overlapping the side joints of the cup, said parts being pasted when in proper position.

1,514,035. DEVICE FOR USE IN BEDSPRINGS. THOMAS K. CUMMINS, St. Paul, Minn., assignor to Northern Malleable Iron Company, St. Paul, Minn., a Partnership. Filed Nov. 6, 1922. Serial No. 599,208. 4 Claims. (Cl. 5-205.)

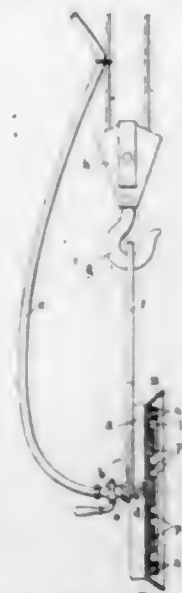


1. A corner piece for bed springs of the character described comprising a single integral casting having a main vertical web having two vertical ribbed web extensions, one at each end of the main web, and staggered so as to engage opposite faces of the vertical flange of the angle bar at non-opposite positions, said vertical web extensions corresponding substantially to the width of the vertical flange and having an aperture between them through which the vertical flange of the angle bar passes so that this flange is on the inside of one web extension and on the outside of the other web extension to brace the angle bar against bending, and means whereby the angle bar is supported against said web extensions.

1,514,036. SUCTION DEVICE FOR LIFTING AND TRANSPORTING ARTICLES. GEORGES HENRI LEON DEBAECKER, Sas-de-Gand, Holland, assignor to Societe dite Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France, a Corporation of France. Filed Nov. 13, 1923. Serial No. 674,568. 1 Claim. (Cl. 294-65.)

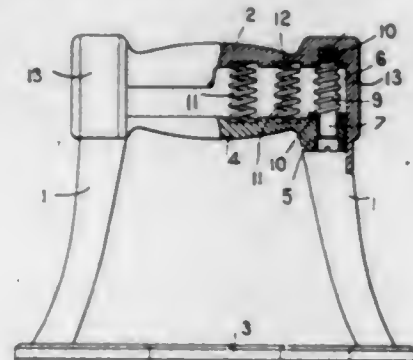
A suction device for lifting and transporting articles, and more particularly sheets or slabs of glass, metal and other materials, comprising a carrier plate,—a single and continuous india-rubber plate fastened thereto,—a projecting soft lip at the peripheral part of said plate,—a number of peripheral crowns arranged within said lip but less projecting than the same upon the india-rubber plate,—and, within said crowns, a number of projections still less projecting than the said crowns, said projections being spaced from said crowns and from each other and adapted to limit the crushing of the india-rubber plate upon the article to be lifted and transported, and adapted to facilitate the circulation of air

within the suction device,—a lifting apparatus,—means for securing the carrier plate to the same,—a piping connected to the suction device through the carrier



plate, and means upon said piping for controlling the communication of the suction device with the atmosphere and with a vacuum producing means.

1,514,037. SUPPORT OF COMBINATIONS OR APPARATUS DESTINED FOR PHYSICAL EXERCISES. ANTONIO DELUCA, Cordoba, Argentina. Filed Jan. 11, 1922. Serial No. 528,534. 2 Claims. (Cl. 46—69.)

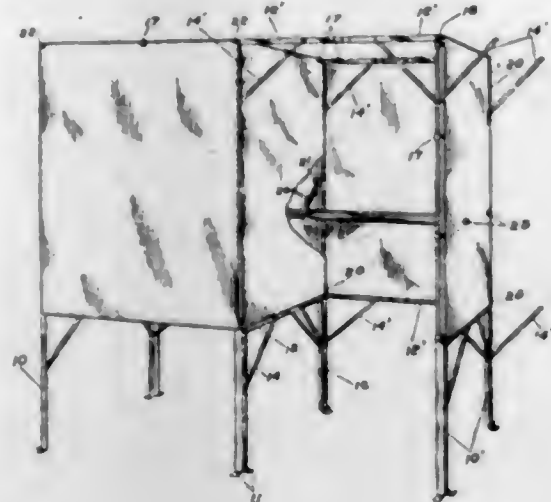


2. A combined dumb bell and support, comprising, a supporting base, legs on said base, a grip member having two parts, and supported by said legs, the two parts of the grip member being slidable relative to each other, and a plurality of springs positioned between said two parts and biasing the parts away from each other, said springs being readily removable, at will, whereby to adjust the biasing force.

1,514,038. VOTING BOOTH. ELIZABETH J. DOUGLAS, Crete, Nebr. Filed May 21, 1923. Serial No. 640,534. 2 Claims. (Cl. 20—3.)

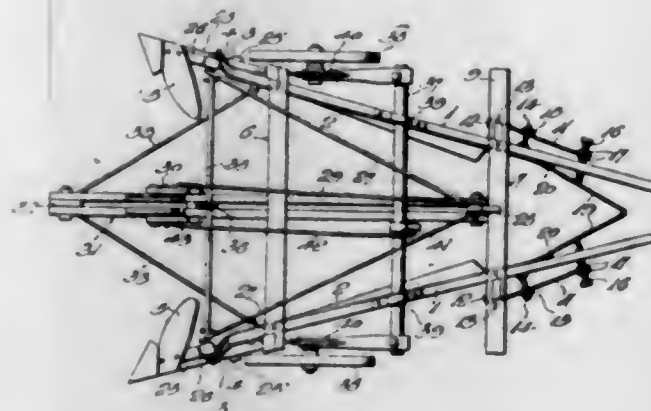
2. A plurality of collapsible voting booths which are adapted to be interlocked to form a continuous row of voting booths, the first of said booths having a frame consisting of angle iron uprights at the four corners of the booth, folding links on all four sides of the booth connecting the upper extremities of the uprights, similar folding links at the back and both sides of the booth and intermediate the extremities of the uprights, a brace for each link, each brace being pivoted to the upright beneath its companion link, means in the free end of each brace for releasably engaging its companion link, an integral piece of canvas secured to the front pair of uprights and to the top links for covering the sides and rear of the booth, a second booth having a single pair of angle iron uprights connected together by a pair of pivoted folding links, pivoted braces for said links, said pair of uprights with its links and braces being adapted to serve as the outer wall of the second booth, links

pivotaly connected to said uprights at their upper extremities, a third link pivoted to the rear upright of said pair of uprights intermediate the ends of said rear upright, said three links having means at their free ends for detachably engaging the uprights at one side of said first booth, braces releasably connecting said links to the uprights of said second booth, other braces pivotaly



secured to the uprights to which said three links are detachably secured, said last named braces having detachable connections with said three links, and an integral piece of canvas covering the back and outer side of said second booth, said canvas being secured to a rear upright of the first booth and to the outer front upright of the second booth.

1,514,039. RIDGE-FORMING MACHINE. JULIUS DAGEAN, Marysville, Calif. Filed July 9, 1923. Serial No. 650,357. 6 Claims. (Cl. 97—55.)

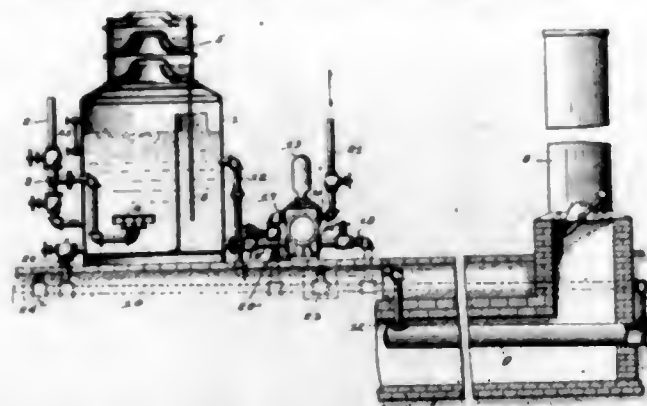


1. A ridge former comprising a pair of horizontally elongated walls widely spaced at their front ends and converging into closely spaced relation at their rear ends, a pair of rearwardly converging wings at the upper corners of said walls, means hingedly connecting the front ends of said wings with said walls on vertical axes, and yielding means holding said wings inwardly but permitting outward swinging thereof.

1,514,040. APPARATUS FOR THE CONVERSION OF HYDROCARBON OIL. VICTOR LEE EMERSON, Philadelphia, Pa. Filed June 25, 1921. Serial No. 480,418. 5 Claims. (Cl. 196—10.)

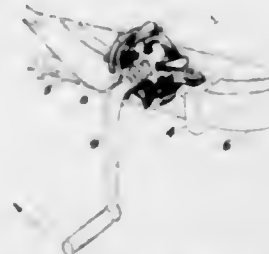
2. In an apparatus of the class described, in combination, a still, a valve controlled conduit for supplying oil to said still, said still having a base receptacle for the

reception of said oil, a preheater connected with said supply conduit, a conduit connecting said preheater with said receptacle, a pump connected with said receptacle



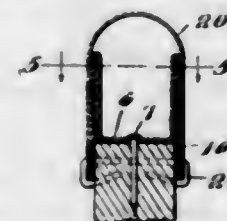
and with said supply conduit adapted to circulate the oil from said receptacle through said preheater and conduits back to said receptacle.

1,514,041. AUTOMOBILE STARTING-CRANK SAFETY DEVICE. BENJAMIN FRANK, Oakland, Calif., assignor to Specialty Manufacturing and Distributing Company, Inc., Oakland, Calif., a Corporation of California. Filed June 6, 1922. Serial No. 566,336. 4 Claims. (Cl. 123—185.)



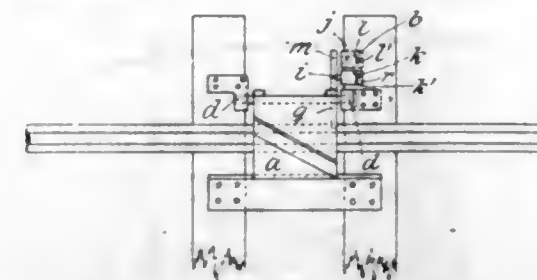
3. A starting-crank safety device for automobiles, comprising a ring, ears on said ring adapting it for connection to the machine in a position concentric with the crank shaft, a circle of fingers equally spaced and pivotally mounted on said ring, a spring for each finger permitting it to yield in one direction and to return it to its normal position after such yielding, and a stop to render the finger unyielding in the opposite direction, the said device operable by direct engagement with the arm of the starting crank, the latter being the crank carried by the machine.

1,514,042. ELECTRICAL CONDUIT. WILLIAM H. FRIEDRICH, Dyer, Ind. Filed Dec. 20, 1923. Serial No. 681,897. 3 Claims. (Cl. 247—1.)



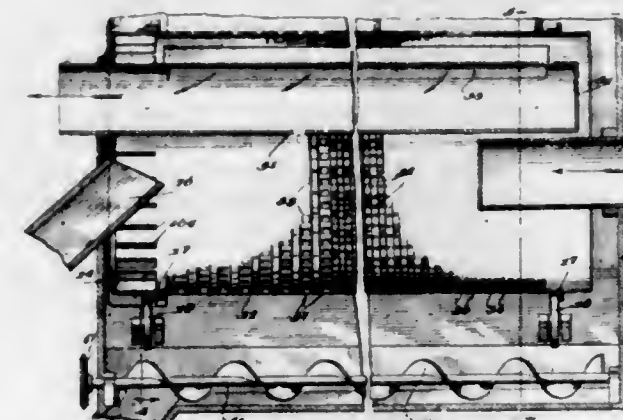
3. A conduit of the character specified comprising a plurality of channel shaped sections having upstanding side walls provided with depending reinforcing flanges extending for the full length thereof and terminating a substantial distance below the lower edges of the side walls, the side flanges being spaced from the side walls and cooperating with the same to define sockets for the reception of the end portions of adjacent sections, a transversely curved hood extending over said side flanges and having its lower portions arranged adjacent the lower edge portions of said side flanges, the lower portions of said hood and the lower portions of said side flanges being provided with registering openings, and fastening devices extending entirely across the conduit and through said registering openings to hold the hood in place and limit spreading of the same.

1,514,043. STOP BLOCK AND SWITCH FOR RAILWAY TRACKS. LAURITZ HAASTED, Drammen, Norway. Filed Nov. 30, 1923. Serial No. 677,767. 3 Claims. (Cl. 246—163.)



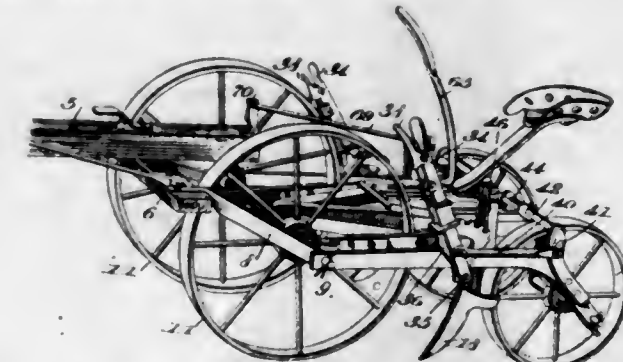
1. In hand operated turnover stop blocks for railway tracks with a control lock for the switch and a control lock for the stop block, the combination of the stop block control lock, and the switch control lock, with means for making said locks dependent on each other in such a way as to prevent the shifting of the stop block from its inoperative to its operative position until the key of the switch control lock has been placed into position in the control lock of the stop blocks.

1,514,044. COTTON-CLEANING MACHINE. VAN DON HARTAN, Humphrey, Ark. Filed Aug. 22, 1923. Serial No. 658,809. 17 Claims. (Cl. 19—36.)



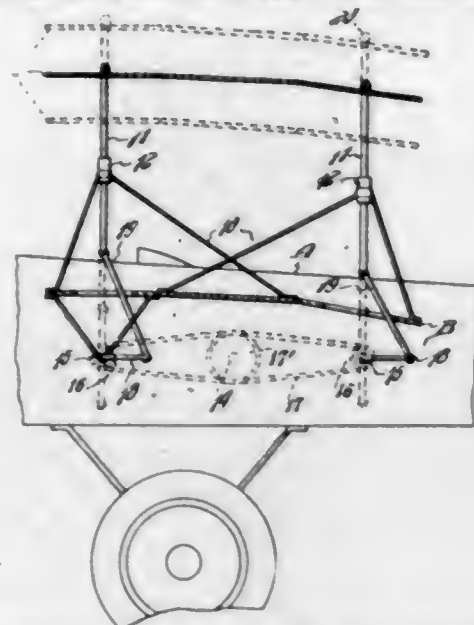
2. In an apparatus of the character described, an air tight enclosure, a suction pipe extending substantially the length thereof, an elongated nozzle extending laterally from the suction pipe, and means whereby with cotton being introduced into said enclosure the same will be subjected to a cleaning operation previous to entering the suction pipe.

1,514,045. AGRICULTURAL MACHINE. JAMES W. HENRY, Gooding, Idaho. Filed Aug. 23, 1923. Serial No. 659,019. 7 Claims. (Cl. 97—157.)



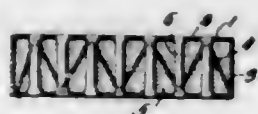
1. A machine of the character specified, comprising a main frame having an axle housing, a movable frame having a swinging connection with the main frame and provided with wheels, shovels carried by said movable frame and having swinging connection with said axle housing, means carried by the movable frame for raising and lowering said shovels, and means also carried by the movable frame for raising and lowering said movable frame.

1,514,046. HELICOPTER. RAY B. HINKLY, Luverne, Minn. Filed Aug. 13, 1923. Serial No. 657,002. Renewed Aug. 19, 1924. 1 Claim. (Cl. 244-11.)



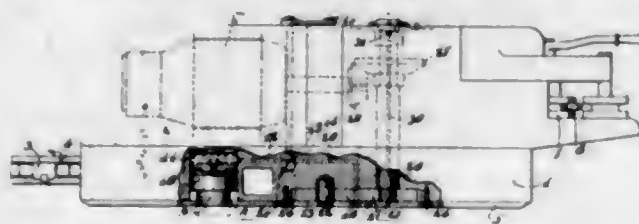
An aeroplane adapted to ascend and descend perpendicularly, said aeroplane including a stationary lower plane, means supported by said lower plane and including spaced vertically extending sleeves, a movable upper plane, rods passing through said sleeves and connected to the upper plane, means for reciprocating said rods to reciprocate the upper plane, each of said planes including a plurality of pivoted vanes adapted to overlap when in closed position, and the vanes of each said plane adapted to automatically open as the upper plane is elevated and adapted to automatically close when said upper plane reaches the limit of its upward movement.

1,514,047. RADIATOR. GUSTAV HOFMANN, Belgrade, Minn. Filed Apr. 23, 1921. Serial No. 463,742. 1 Claim. (Cl. 257-128.)



A radiator comprising a cooling chamber, a reservoir in communication therewith, a zigzag partition arranged in the chamber so as to form a plurality of substantially triangular shaped compartments, said partition provided with apertures in its lower portion so that said compartments will be in communication with each other, and a plurality of tubes passing through said compartments and arranged in series so as to pass through the apexes of the compartments, each tube provided with flared end portions.

1,514,048. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 2, 1919. Serial No. 287,024. 12 Claims. (Cl. 262-30.)



1. The combination with a mining machine having a bottom on which it is slidable, of a supporting plunger therefor telescopically mounted in the bottom thereof whereby the same may occupy a position in which no substantial portion of the weight of the machine is transmitted to the bottom thereby and also so engageable with the mine bottom as to transmit to the latter a substantial portion of the weight of the entire machine.

1,514,049. ROTARY MULTICOLOR PRINTING PRESS. KOSHINO ICHIDA, Tokyo, Japan. Filed Dec. 27, 1922. Serial No. 609,325. 2 Claims. (Cl. 101-136.)



1. A rotary multicolor printing press, wherein a number of rotary printing units are made to form a multicolor printing system by being connected by a set of common endless chains arranged to be driven with the impression cylinders of the said units and equipped with a set of gripper bars capable of limited free motion within frames directly linked to the said set of endless chains and wherein the said gripper bars are so arranged that one gripper bar after another may temporarily be fixed automatically in the exact corresponding position on, and temporarily form an attached part of, the impression cylinder of one unit after another during a certain stage of the process of printing in the unit concerned and may automatically be cut off from such direct connection with the said impression cylinder of one unit after another at the limit of the said stage of the process of printing in the unit concerned.

1,514,050. CULTIVATOR FENDER. RICHARD M. JOHNSTON, Winchester, Ill., assignor of one-half to Louis Odgaard, Winchester, Ill. Filed Feb. 2, 1924. Serial No. 690,227. 3 Claims. (Cl. 97-188.)

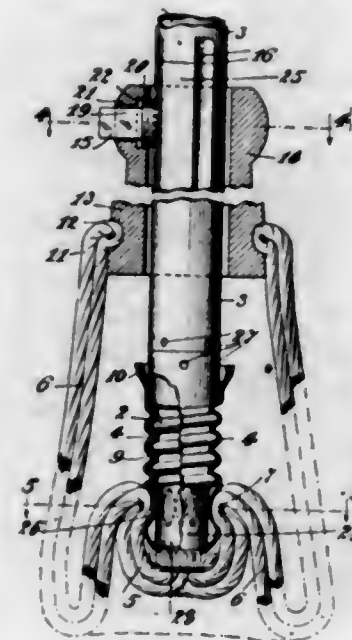


1. A cultivator fender comprising a pair of earth-engaging fender plates spaced apart horizontally, front and rear vertical bars rising rigidly from said fender plates, tie-members connecting the upper ends of said vertical bars and extending transversely between them, a pair of oppositely inclined brace bars having their lower ends secured to the upper portions of said fender plates, the upper end of one brace bar being secured to the upper end of the front vertical bar of one fender plate while the upper end of the other brace bar is secured to the upper end of the rear vertical bar of the other fender plate, and means for connecting said fender plates with a cultivator.

1,514,051. MOP. CHARLES JUMONVILLE, New Orleans, La. Filed Aug. 3, 1922. Serial No. 579,353. 7 Claims. (Cl. 15-120.)

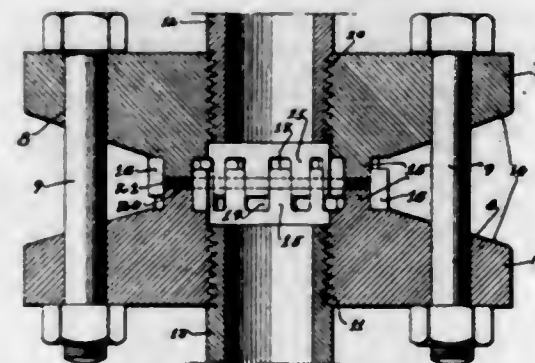
1. The combination with a mop handle, a sleeve slidable and rotatable on said handle, and mop fabric attached at one end to an end of said handle and attached at the other end to said sleeve, of means, comprising a stationary ratchet surface on said handle and a cooperating

ratchet button movably mounted on said sleeve, for holding said sleeve against rotation about and against sliding along said handle when said mop fabric has been stretched along and twisted about said handle by rela-



tive movement between said sleeve and said handle, said ratchet surface presenting engaging shoulders extending longitudinally along said handle, and said button being movable radially on said sleeve into and out of engagement with said ratchet shoulders.

1,514,052. PIPE COUPLING OR JOINT. FREDRICK KAISER, Audubon, N. J. Filed Aug. 1, 1922. Serial No. 578,903. 5 Claims. (Cl. 285-137.)



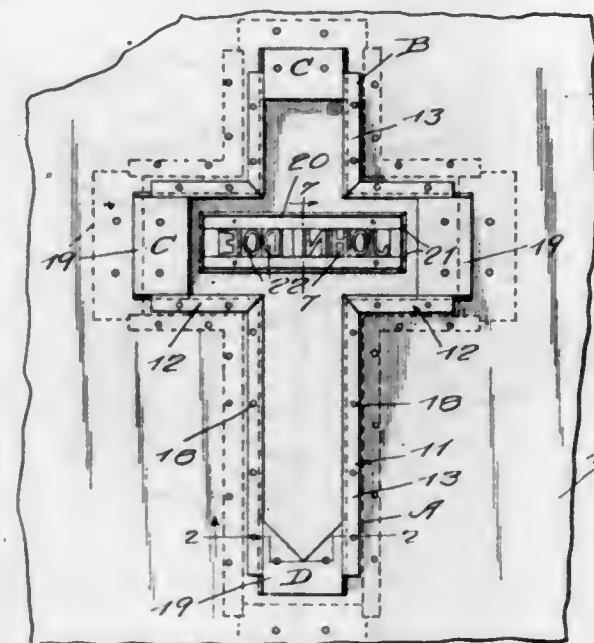
1. A pipe coupling including opposed members each having an inner and outer series of interfitting lugs, the lugs of the inner series being staggered with respect to the lugs of the outer series; and a packing disposed between said members and within said lugs.

1,514,053. MOLD. HARVEY L. KEETER, Liberty, Mo. Filed Sept. 22, 1923. Serial No. 664,227. 5 Claims. (Cl. 25-121.)

1. A mold for forming cruciform concrete structures comprising vertical and cross arm members, each formed in opposed sections of laminated materials and end sections slidable between said side sections to adjust the length of the stem and cross arm, said end members interfitting with the opposed edges of the sections and thereby filling the space therebetween.

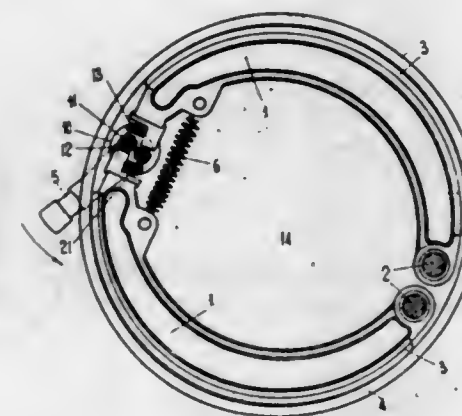
2. In moulding apparatus, a support, opposed laminated sections arranged upon the support and combining

therewith to produce a desired cross sectional area, each of said side sections being adjustable upon the support and variable as to depth, and end members interfitting



with the opposed edges of the side sections and combining therewith and with said support to form a mold having an open top.

1,514,054. BRAKE GEAR. VINCENZO LANCIA, Turin, Italy. Filed Aug. 28, 1923. Serial No. 659,844. 3 Claims. (Cl. 188-78.)

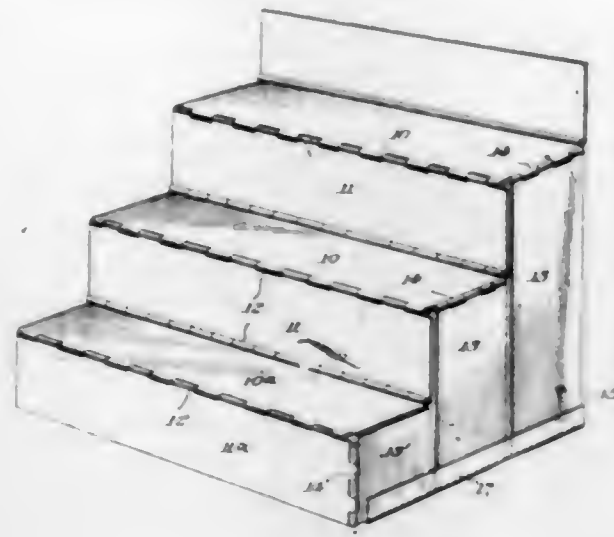


1. A brake gear comprising a brake drum, a support, arms having one end pivoted on said support, brake shoes on said arms, means for holding said arms and shoes released from said drum, a projecting piece at the free end of each arm, said pieces being located at the two sides of the travel path of a central point in said free ends, and an operating member for said arms, this member comprising a part rotatable in said support and extending between the projecting pieces of said arms, pivoted means on said part at opposite sides of its centre along a diameter of the same substantially transverse to the path of travel of said arm free ends, said pivoted means engaging the front ends of said projecting pieces to force said arms with their shoes against said drum, and abutments on said rotatable part bearing against a side of said projecting pieces in the brake released position.

1,514,055. DISPLAY STAND. HARRY C. LAWSON, San Antonio, Tex. Filed Nov. 6, 1922. Serial No. 599,326. 1 Claim. (Cl. 211-24.)

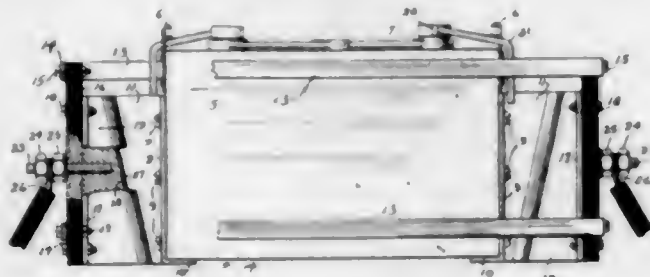
A display stand of the character described comprising a plurality of plates hingedly connected at their longitudinal edges and constituting the treads and risers of

a step formation, end members attached to the ends of the lowermost riser and carrying U-shaped rearward extensions, and other end members hinged upon the ends



of the treads of all but the first step and having their lower ends disposed within the troughs of said rearward extensions to secure a bracing action for the former.

1,514,056. STORAGE BATTERY. JOHN W. LEITZ, Mapleton, Iowa. Continuation of application Serial No. 553,960 filed Apr. 17, 1922. This application filed May 29, 1922. Serial No. 564,664. 13 Claims. (Cl. 204-29.)

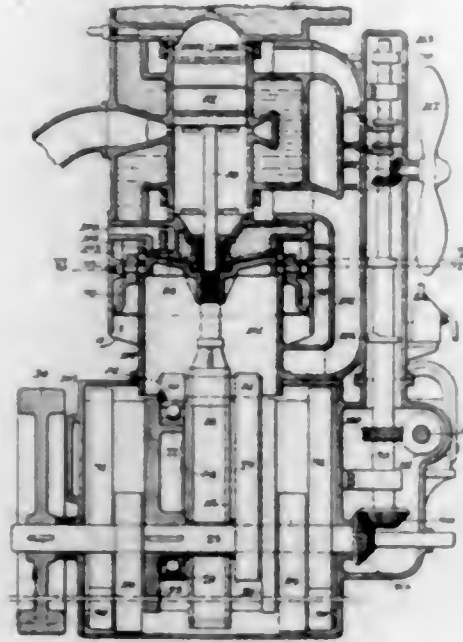


1. In an electrical battery having a box and terminal poles, a securing and connecting means including supports at opposite sides of the box, and a pair of tapered members at each side of the box, one of said members of each pair being secured to the box and connected with the adjacent pole of the battery, and the other member of the pair being fixed to the adjacent support, said tapered members being adapted to coact in a wedging action to support the battery and provide electrical current conductivity between the battery pole and the associated member secured to the support.

1,514,057. TWO-STROKE INTERNAL-COMBUSTION ENGINE. JULES LEROY, Paris, France. Filed July 10, 1920. Serial No. 395,338. 4 Claims. (Cl. 123-57.)

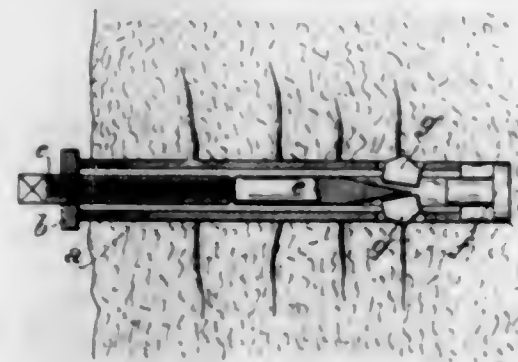
4. A two stroke, double acting, internal combustion engine, comprising, a plurality of motor pistons, each of which has a double acting pump piston coupled therewith, a high and a low pressure air reservoir, for receiving air from the pump piston, distributors controlling the air for the pump pistons, said distributors being controlled by slidably adjustable cams, each cam having two appropriately formed guide portions, whereby, the operation of the pump piston can be con-

trolled for double acting low pressure pumping, for single acting low pressure and for single acting low pressure pumping on one of two strokes and for high



pressure pumping on the other, this latter being due to one of the distributors being stationary, and the other distributor opening an outlet port, on only one of the two strokes.

1,514,058. MECHANICAL COAL AND ROCK MINING MACHINE. ADOLF LINDEMANN, Berlin, Germany. Filed July 29, 1924. Serial No. 728,927. 11 Claims. (Cl. 262-12.)

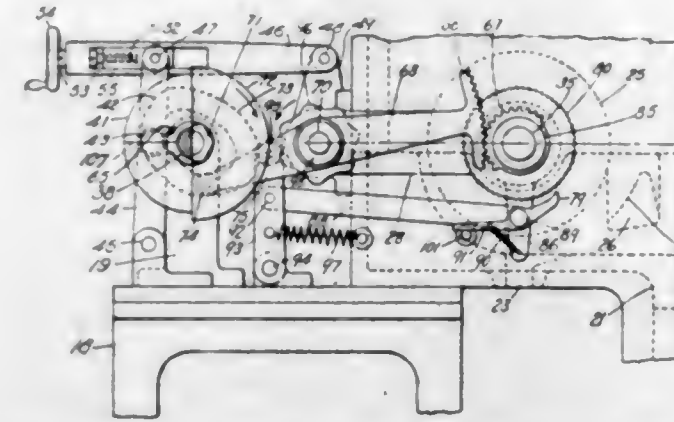


1. In a coal and rock mining machine, the combination with a tube adapted to be inserted into a hole drilled into the coal and jaws operatively arranged in the further portion of said tube, said jaws adapted to penetrate into the surrounding coal or rock, of a nut integrally fixed to said tube, a feed bar, a rod and a step-block, substantially as set forth.

1,514,059. APPARATUS FOR SEPARATING MOLTEN GLASS INTO MOLD CHARGES. WILLIAM A. LORENZ, Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y., a Corporation of New York. Filed May 3, 1922. Serial No. 568,078. 43 Claims. (Cl. 49-55.)

33. Apparatus for segregating molten glass into mold charges, comprising a container having a submerged outlet, a drive shaft, a driven shaft connected with the drive shaft, a sleeve surrounding said driven shaft, a rocking device pivoted upon said sleeve, an impeller rotatably mounted on said rocking device adjacent to the outlet, means on said drive shaft for oscillating

said rocking device to move the impeller toward and from the outlet, a pawl and ratchet mechanism for advancing the impeller step by step about its axis of rota-



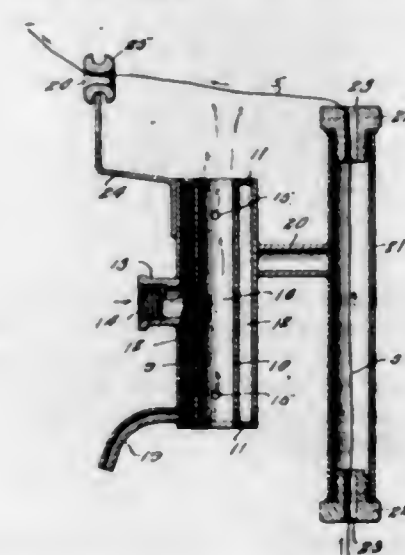
tion, a second rocking device for actuating said pawl and ratchet mechanism, and a member mounted on said driven shaft for actuating said second rocking device.

1,514,060. WOOD OR THE LIKE WORKING ACCESSORY. CHARLES B. MCCALLUM, Oakland, Calif. Filed June 19, 1924. Serial No. 721,075. 4 Claims. (Cl. 145-1.)



1. An accessory of the class described, comprising a slotted shim and a jawed and slotted implement having a curved handle, the opposite sides of the shim and the corresponding sides of the jaws being beveled for guiding purposes, the shim adapted to be engaged beneath the head of a nail or the like fastening means with its slot straddling the nail, and the implement adapted to embrace the shim and by a downward thrust remove the shim and engage its slot under the nail head, and by a backward movement of the handle of the implement withdraw the nail from service.

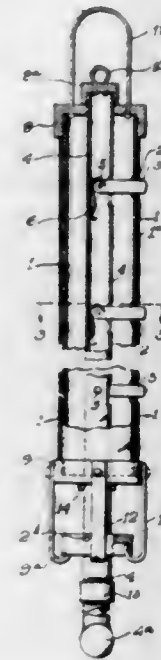
1,514,061. PIPE ATTACHMENT FOR STEAM ON KNITTING MACHINES. OWEN F. MCENANEY, Brooklyn, N. Y. Filed Dec. 13, 1923. Serial No. 680,415. 2 Claims. (Cl. 28-59.)



1. In an attachment for steam on knitting machines, a thread moistening device consisting of a cylindrical wall, an inlet opening into said wall for the admission of steam, an inner cylindrical wall having openings admitting steam to the central chamber, cap members enclos-

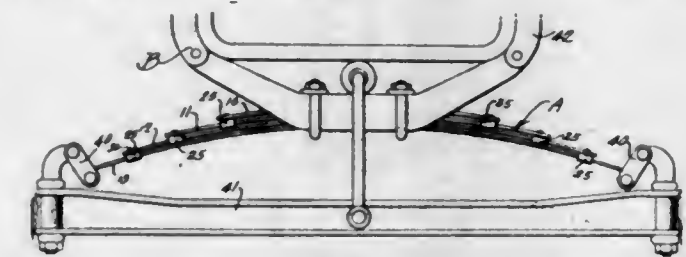
ing the ends of the chamber between the two cylindrical walls, a plurality of means spaced from but supported by the said moistening device for guiding the thread to be moistened in a path directly over the central chamber from which the steam rises.

1,514,062. MEANS FOR INCASING WELLS. ROBERT M. McLAIN, Fort Worth, Tex., assignor of one-half to Eugene A. Reilly, Fort Worth, Tex. Filed May 9, 1922. Serial No. 559,527. 8 Claims. (Cl. 168-4.)



1. In a well-incasing or lining device, the combination of a tubular or cylindric instrumentality adapted to form the well-casing or lining, and comprising a resilient springy-metal-member, a mandrel about which said springy-metal-member is adapted to be wound and means carried by said mandrel for connection between the overlapping coiled portions of said tubular instrumentality, and means for releasing said coiled portions, whereby said instrumentality will be adapted to expand and be applied to the wall of the well.

1,514,063. VEHICLE SPRING. JAMES L. McMULLEN, Dallas, Tex. Filed Oct. 12, 1923. Serial No. 668,201. 2 Claims. (Cl. 267-49.)

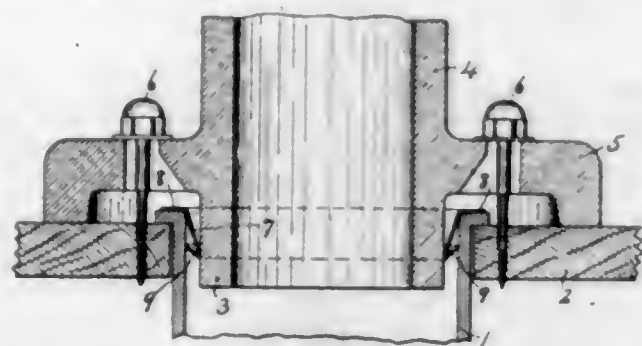


2. A spring comprising a plurality of superposed leaves, spacing strips between said leaves intermediate the length of the spring, a fastener passing through said leaves and strips, clamp forming strips secured to the under faces of the leaves adjacent their ends and extending beyond the side edges of the leaves and bent downwardly and inwardly and extending beneath lower leaves to slidably connect the end portions of the leaves with lower leaves and hold the portions of the leaves between the clamp forming strips and spacing strips in spaced relation to each other.

1,514,064. ALLOY INTENDED FOR CASTINGS. AMBROSE JOSEPH MANDELL, Forest Hills, N. Y. Filed Sept. 23, 1922. Serial No. 590,086. 5 Claims. (Cl. 76-1.)

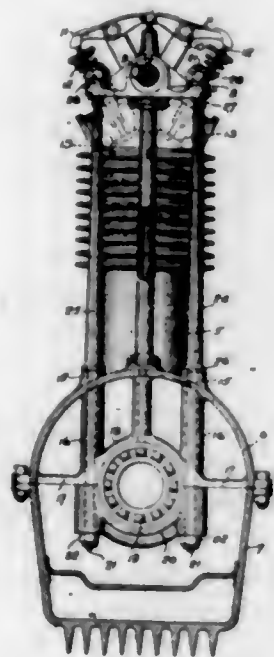
1. An alloy intended for use in casting, composed predominantly of nickel with a materially less percentage of silicon.

1,514,065. SANITARY CLOSET CONNECTION. MICHAEL O. LEARY, Cleveland, Ohio. Filed Mar. 8, 1921. Serial No. 450,597. 2 Claims. (Cl. 285-34.)



2. In a floor connection for closet bowls and soil pipes, the combination of a soil pipe extending through an opening in the floor and having its upper end flanged outwardly to rest upon the upper surface of the floor, a closet bowl having its base resting on the floor over and around the outer end of the soil pipe and provided with a horn extending coaxially into the soil pipe in spaced relation thereto, and a sheet metal packing ring extended into the space between the horn and soil pipe and having its outer end resting upon the outer end of the soil pipe and its inner end tightly fitted against the periphery of the horn, and an annular portion thereof, tightly fitted against the inner face of the soil pipe.

1,514,066. INTERNAL-COMBUSTION MOTOR. VICTOR W. PAGE, New York, N. Y. Filed June 2, 1921. Serial No. 474,427. 3 Claims. (Cl. 123-90.)



2. In combination with an internal combustion motor, a cam shaft housing, means for supporting said cam shaft housing, said supporting means comprising a plurality of tubular members resting upon the crank case of the motor, and securing means in the form of bolts passing through said tubular members to secure them to the motor crank case.

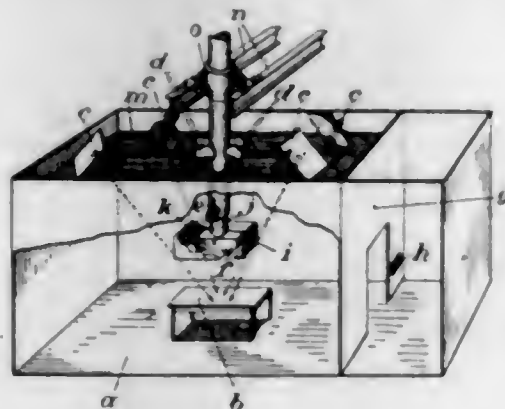
1,514,067. SOURING COMPOSITION AND METHOD. ROBERT A. PHAIR, Allendale, N. J., assignor to H. Kohnstamm & Co., Inc., a Corporation of New York. Filed June 16, 1923. Serial No. 645,922. 11 Claims. (Cl. 8-2.)

10. A composition for use in laundering and treating textile materials containing sodium silico-fluoride, oxalic acid and a metallic salt having a reducing action due to the metallic ingredient.

1,514,068. BLEACHING OR STAIN-REMOVING COMPOSITION AND METHOD. ROBERT A. PHAIR, Allendale, N. J., assignor to H. Kohnstamm & Co., Inc., a Corporation of New York. Filed June 28, 1923. Serial No. 648,354. 23 Claims. (Cl. 8-2.)

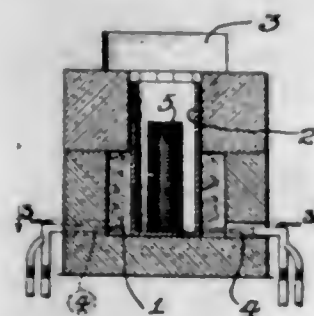
19. In the laundering or bleaching of textile materials, the process which includes subjecting the goods to a chlorine bleach, caustic soda and a carbohydrate which is more sensitive to the bleach than is the material or color to be preserved and less sensitive to the bleach than is the substance to be removed.

1,514,069. METHOD AND DEVICE FOR TAKING CINEMATOGRAPHIC PICTURES. ALEXANDER V. KOTHE, Berlin-Wilmersdorf, Germany. Filed Feb. 28, 1921. Serial No. 448,651. 22 Claims. (Cl. 88-16.) (Granted under the provisions of the act of March 3, 1921. 41 Stat. L. 1313.)



1. A device for taking cinematographic pictures of operations, more particularly surgical operations, in enclosed rooms, comprising a cinematographic camera adjustably depending from the ceiling of the room, and means for lighting the operation field.

1,514,070. HEAT TREATMENT OF IRON. ALEXANDER K. SCHAAPE, Brooklyn, N. Y. Filed June 2, 1923. Serial No. 642,999. 4 Claims. (Cl. 148-13.)

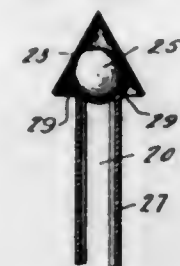


1. The hereindescribed process of treating gray iron castings, which consists in heating the castings to a temperature above A. C. 1, while protecting them from deleterious gases, or other harmful influences, and then immediately permitting them to cool while exposed to atmospheric conditions.

1,514,071. SHIRT STUD. JOHN W. SCHOELLNER, Newark, N. J., assignor to Schoellner & Horbach Mfg. Co., Newark, N. J., a Corporation of New Jersey. Filed Sept. 27, 1921. Serial No. 503,593. 7 Claims. (Cl. 24-100.5.)

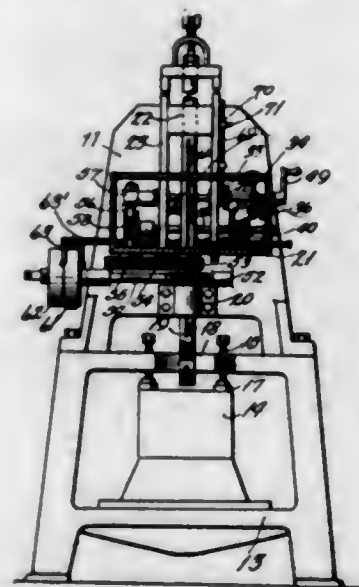
1. The method of forming a terminal for an elongated member having spaced apart lateral walls which consists

in forcing a terminal core member between the ends of said walls to spread the ends of the walls apart, and in



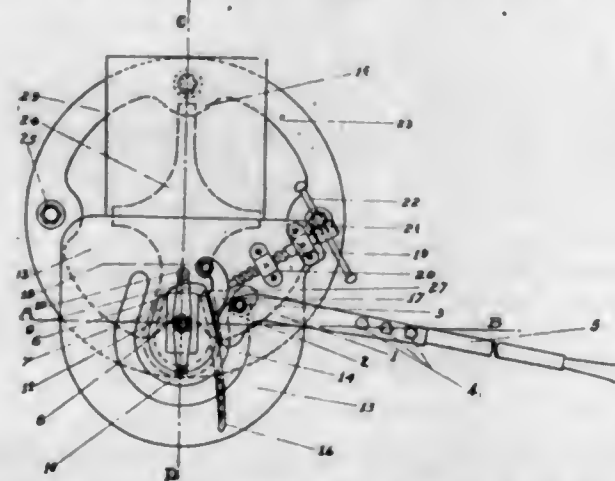
clamping a terminal shell about the core member and the spread-apart ends of the walls of the elongated member.

1,514,072. BORING MACHINE. GEORGE R. ADAMS, Hillsboro, Tex. Filed June 12, 1922. Serial No. 567,667. 3 Claims. (Cl. 77-4.)



1. In a boring machine, a boring shaft, a rack bar connected thereto, a gearing for advancing or retracting said rack bar and shaft, a drive shaft for actuating said gearing, fast and loose pulleys on said drive shaft, a belt shifter, means to automatically move said shifter to maintain a belt upon the loose pulley, an engaging member for holding said shifter and belt under tension upon the fast pulley, and means carried by said rack bar for tripping said member in the travel of the rack bar in one direction to permit an automatic shifting of the belt.

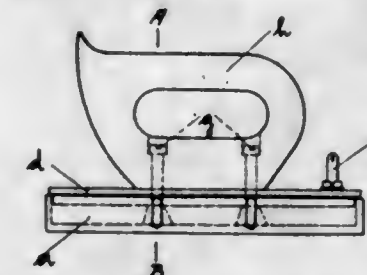
1,514,073. HORSESHOE-MAKING MACHINE. MARCEL BARRÈS, Santiago, Chile. Filed Nov. 23, 1922. Serial No. 602,769. 2 Claims. (Cl. 59-60.)



1. A machine for bending metal blanks, comprising, in combination, a supporting table, means for securing a pattern on said table, means for securing one end of a blank against the pattern, and a lever adapted to en-

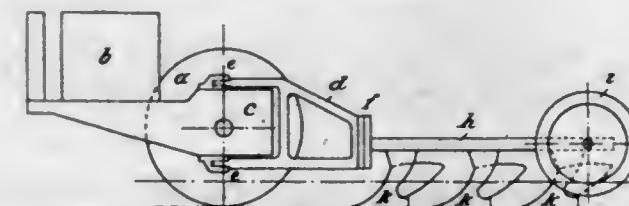
gage said blank at successive points and force the same into contact with the pattern, said lever and table having one a slot and the other a roller adapted to engage the walls of the slot thereby to guide said lever and form a fulcrum therefor.

1,514,074. ELECTRIC SMOOTHING IRON. EMIL BARTH, Stuttgart-Ostheim, Germany. Filed Sept. 24, 1921. Serial No. 502,964. 1 Claim. (Cl. 219-25.)



In a sad-iron, the combination with a closed casing, of an electric heating element therein comprising a support, heating wires on the support, refractory material for covering said wires and isolating the same from the lower wall of the casing, a mirror interposed between the heating element and the upper wall of the casing, the upper wall being composed of refractory material, a handle attached to the upper wall, a free air space substantially surrounding the mirror and the mirror being out of contact with the upper wall, whereby to minimize the heating effect of the heating element on the handle.

1,514,075. AUTOMOBILE AGRICULTURAL MACHINE. RUDOLF BERNSTEIN, Halle-on-the-Saale, Germany. Filed July 14, 1920. Serial No. 396,325. 1 Claim. (Cl. 280-33.12.)



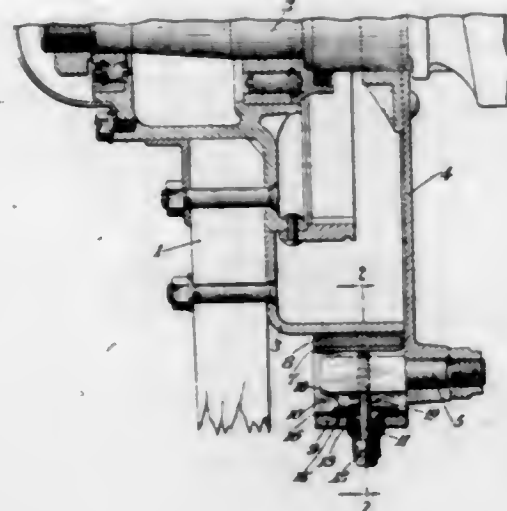
An agricultural machine comprising in combination a single-axle motor truck, a vertical pivot pin provided in the main body-portion of the said truck situated in a vertical plane passing through the axis of the said truck, and a frame-member of triangular shape linked by the said pivot pin to the said truck so as to have a swivel connection therewith, and adapted for having attached to it a working implement, the said pivot pin being located nearer the one wheel of the said truck than to the other wheel thereof.

1,514,076. SNOW PUSHER. SAMUEL A. BROWN, Philadelphia, Pa., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa. Filed Dec. 1, 1923. Serial No. 677,940. 5 Claims. (Cl. 294-54.)



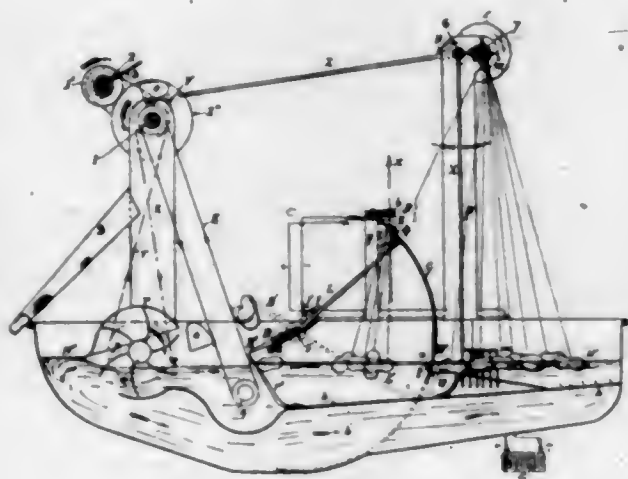
1. A snow pusher provided with a blade having a curved part, and a flat part extending from the upper edge of the curved part.

1,514,077. BRAKE CONSTRUCTION. GUSTAV W. CARLSON, Cleveland, Ohio. Filed Oct. 31, 1922. Serial No. 598,087. 10 Claims. (Cl. 188—206.)



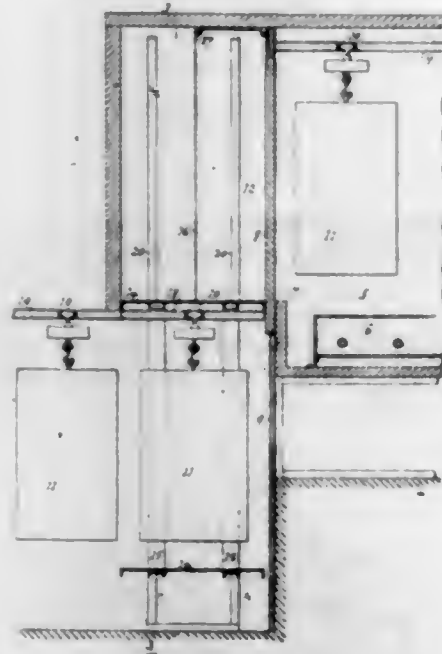
5. In a brake construction, the combination of a brake drum, a brake band adapted to contact therewith having an abutment, said abutment having corrugations thereon, a support for said band comprising an anchor pin having a threaded opening therethrough, a bolt threaded through said opening and adapted to bear against a portion of said band to press the latter towards said drum, a member rotatable with said bolt and adapted to move over the surface of said abutment, said member having corrugations similar to those on said abutment, and spring means acting to press said member against said abutment, to hold said bolt in adjusted position, and also acting to press said band away from said drum.

1,514,078. AUTOMATIC SILK-REELING PROCESS AND DEVICE THEREFOR. VITTORIO FIORUZZI, Piacenza, Italy. Filed Oct. 28, 1921. Serial No. 511,070. 6 Claims. (Cl. 19—3.)



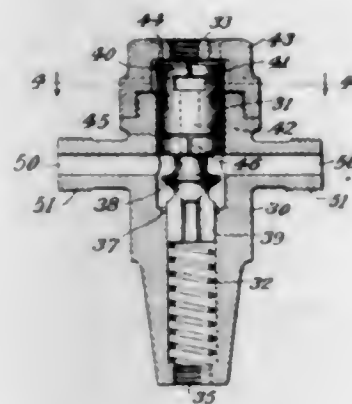
1. An automatic silk reeling device comprising a basin, a slowly rotating member to which are attached the ends of the filaments from the fresh cocoons supplied to the basin, means for guiding the filaments being wound, an automatic feeder for supplying a fresh cocoon to replace one which has become detached, and means for automatically controlling the feeder.

1,514,079. DOOR-OPERATING DEVICE. CHARLES L. GERNAICH, Elmhurst, N. Y. Filed Mar. 27, 1923. Serial No. 628,152. 6 Claims. (Cl. 214—18.)



1. In a door operating device the combination with an oven having a passageway communicating with the oven, a door normally closing the passageway, an elevator arranged in the passageway for operating the door, and means actuated by the elevator for sealing the passageway.

1,514,080. RELIEF VALVE. JOHN NORMAN GUNNING, Chillicothe, Ohio. Filed May 25, 1920. Serial No. 384,138. 11 Claims. (Cl. 121—134.)

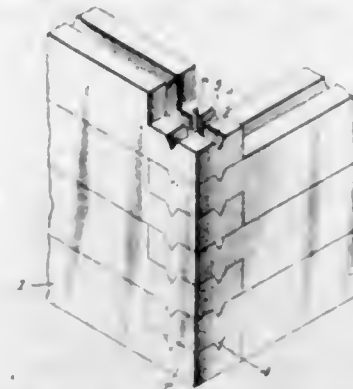


1. The combination with the engine of an airbrake system, said engine having steam passages, and means for supplying steam to the engine to actuate the same, of a relief valve adapted to be closed by steam pressure supplied to the engine to actuate the latter, means operating when said steam pressure is shut off to open the relief valve for escape of condensed steam from the engine, and means controlled by said valve for permitting live steam to flow through at least one of said passages when the engine is idle.

1,514,081. CONCRETE BUILDING CONSTRUCTION. FRANK R. HAHN, Decatur, Ill. Filed Mar. 2, 1917. Serial No. 151,906. Renewed Apr. 2, 1924. 5 Claims. (Cl. 72—38.)

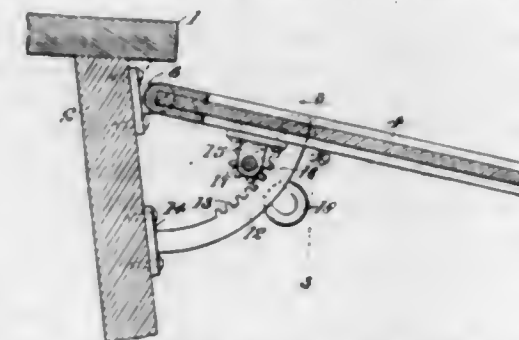
3. A wall construction, including in combination, a plurality of units having overlapping parts, a sleeve

member cast in each unit, each sleeve member having portions of different diameters so that the sleeve members of the adjoining units telescope one within the other to form a continuous sleeve and a securing rod passed thru said sleeve.



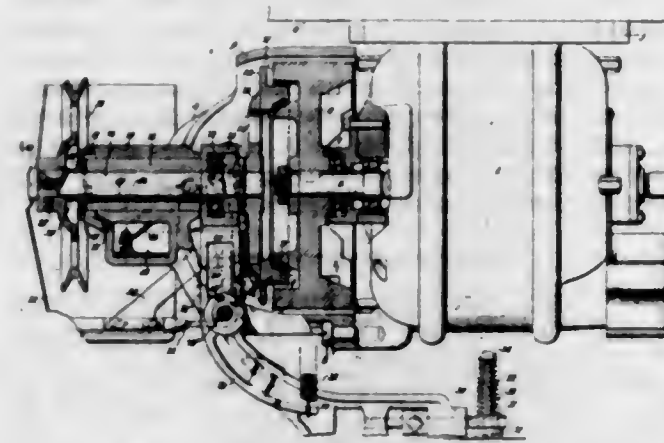
bers of the adjoining units telescope one within the other to form a continuous sleeve and a securing rod passed thru said sleeve.

1,514,082. SUNSHADE-OPERATING MEANS. GEORGE N. HEIN, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,182. 1 Claim. (Cl. 296—95.)



In combination with a glare shield disposed transversely of and in advance of a vehicle operator, means for mounting the same to pivot on a horizontal axis, a pair of toothed segments extending upwardly from a vehicle part, one adjacent to each end of the glare shield ends, a shaft extended longitudinally of the glare shield, shaft end bearings secured to the glare shield, a pair of gears carried by the shaft to rotate therewith and one engaging each segment, an operating handle associated with the shaft, and a spring pawl for engaging with the teeth of one gear to retain the shaft in its adjusted position.

1,514,083. POWER TRANSMITTER. PARK A. HERR, Hillside, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Oct. 31, 1923. Serial No. 671,924. 15 Claims. (Cl. 192—18.)

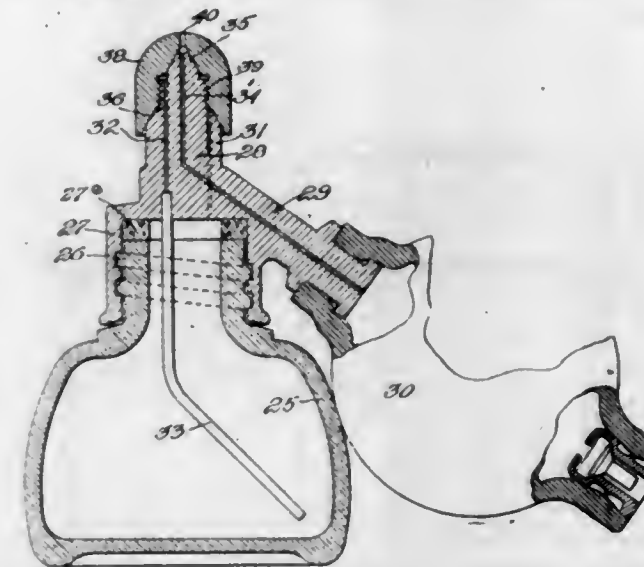


1. A power-transmitter having spaced driving and brake elements, a driven element disposed between said driving and brake elements, a supporting frame formed with a bearing, a non-rotating sleeve slidably mounted in said bearing, a shaft journaled in said sleeve and confined to move endwise with the latter, said driven element being carried by said shaft, means for moving

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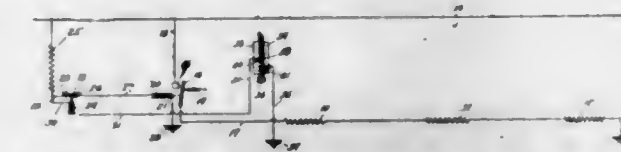
said sleeve endwise in opposite directions to carry said driven element into engagement with either the driving element or the brake element, and a belt-pulley mounted on said shaft.

1,514,084. LIQUID ATOMIZER. THOMAS J. HOLMES, Boston, Mass. Filed Apr. 1, 1921. Serial No. 457,774. 12 Claims. (Cl. 128—177.)



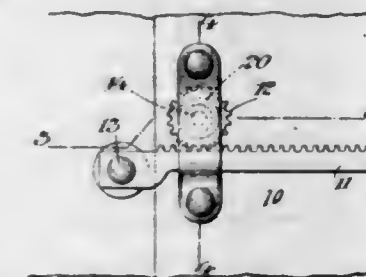
8. In an atomizer for liquids, the combination of a bottle stopper, a spray-controlling member arranged to form in cooperation with said stopper a suitable atomizing chamber having communication, through suitable passages, with the inside of the bottle and with an air compressing bulb, said spray-controlling member being adjustable from normal operative position to a position to close the passage to the inside of the bottle, in order to prevent leakage of the bottle contents through the stopper, substantially as described.

1,514,085. HEATER CONTROL. SLAUGHTER W. HUFF and WALTER J. QUINN, New York, N. Y. Filed June 11, 1921. Serial No. 476,809. 7 Claims. (Cl. 219—20.)



1. A thermostatically controlled heating system comprising in combination, heater elements, means for furnishing a heating medium thereto, a controlling means for said heating medium, a thermostat, and an auxiliary protective shield associated with said thermostat said shield connected with an electric circuit for automatically preventing the supply of the heating medium to the heater elements upon damage to the thermostat.

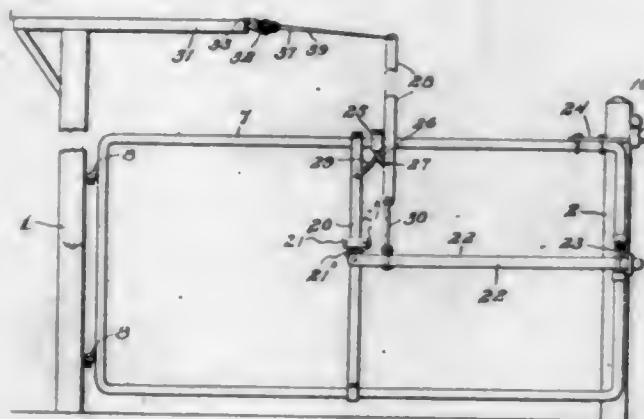
1,514,086. DRESS FORM. JACK CARL JANKUS, Scranton, Pa., assignor to Hall Borchert Dress Form Company, Scranton, Pa., a Corporation of Pennsylvania. Filed Dec. 12, 1921. Serial No. 521,583. 11 Claims. (Cl. 223—18.)



1. In a multiple section dress form, the combination of a rack bar secured to one section and projecting across the dividing line between it and the next ad-

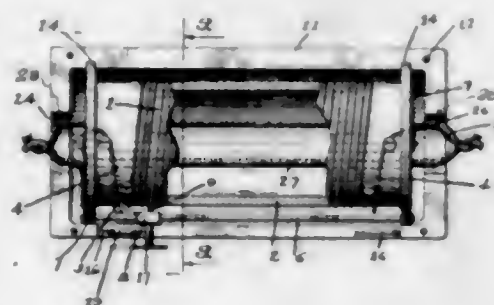
adjacent section, a pinion mounted on the inner surface of the last mentioned section and meshing with said rack bar, and means for locking said pinion against rotation.

1,514,087. GATE OPENING, CLOSING, AND LATCHING MECHANISM. CHARLES P. JOHNSON, Lebanon, Tenn. Filed Jan. 4, 1923. Serial No. 610,662. 2 Claims. (Cl. 292-195.)



1. In a device of the class described, a latch post, fixed and movable dogs arranged in spaced relation upon said post, a gate, a fixed and a movable latch member carried by said gate and adapted respectively to engage with said movable and fixed dogs of the latch post, and means associated with the gate for moving said movable latch member to releasing position.

1,514,088. ELECTRICAL-CIRCUIT CONTROL. WALTER B. KENNEDY, San Francisco, Calif. Filed Oct. 23, 1922. Serial No. 596,515. 9 Claims. (Cl. 219-62.)

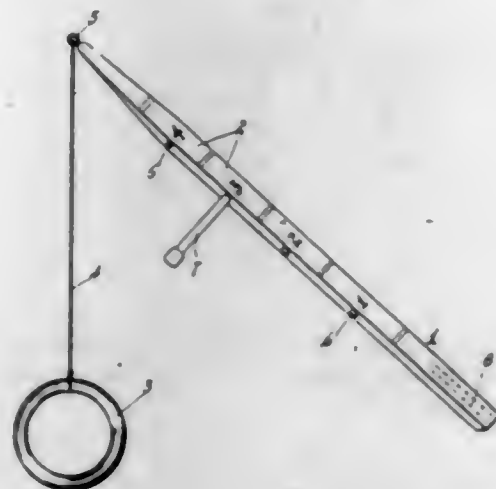


1. An electrical circuit control comprising a resistance coil having opposite ends thereof connected to feed and return conductors connected to a source of electrical energy, one of which conductors is connected with an electrical heating element; a contact slidably mounted adjacent the resistance and arranged to be moved relative thereto to form electrical connection therewith at various points therealong, said contact being electrically connected to the heating element whereby a circuit may be completed through said heating element and a desired portion of the resistance.

1,514,089. GAME. ERNEST KOHLER, Alameda, Calif. Filed May 23, 1923. Serial No. 640,858. 2 Claims. (Cl. 46-59.)

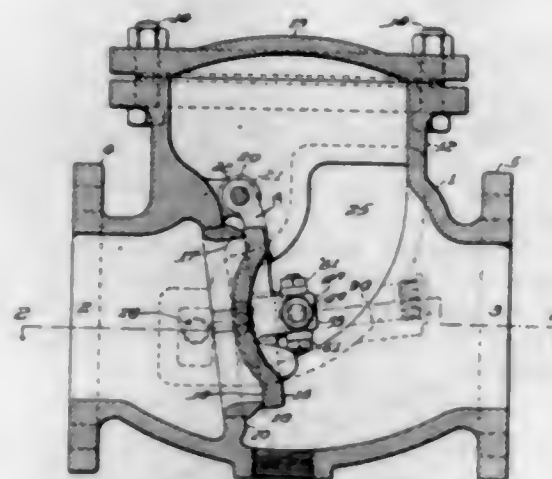
1. A game apparatus comprising a handle, a ring, a cord secured to said ring and to the end of said handle,

a peg, said handle having a suitable number of holes in the side thereof for the selective reception of said peg,



and said handle having a hole for the reception of said peg running longitudinally from the rear end thereof.

1,514,090. ALARM CHECK VALVE. LEROY M. LEWIS, Merion, Pa. Filed Mar. 25, 1922. Serial No. 546,835. 7 Claims. (Cl. 279-20.)

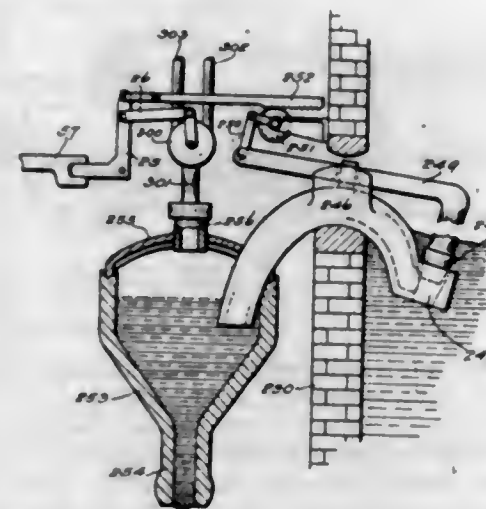


1. An alarm check valve comprising a casing having inlet and outlet passages, a main valve clapper pivotally supported therein, an auxiliary valve laterally disposed with respect to the main valve and having a clapper cooperative with a valve seat operatively rigid with the casing, and means adjustable in a direction parallel to a diameter of the main valve clapper for supporting said auxiliary valve on said clapper.

1,514,091. METHOD AND APPARATUS FOR FLOWING MOLTEN GLASS. CLYDE R. LOTT, Washington, D. C., assignor, by mesne assignments, to The Owens Bottle Company, a Corporation of Ohio. Original application filed Sept. 27, 1909. Serial No. 519,678. Divided and this application filed Mar. 15, 1920. Serial No. 365,785. 24 Claims. (Cl. 49-55.)

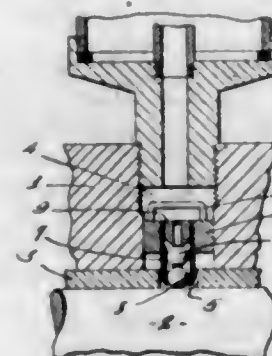
24. The combination of a tank to contain molten glass, a stationary charging receptacle arranged to the side of and whereby to receive the glass from the tank, the tank having an outlet in its side at a point above the normal level of the glass in the tank, means for controlling the discharge of glass from the charging recep-

tle, means for controlling the discharge of glass from the tank through its outlet into the charging receptacle, common actuating means for both of said first-mentioned



means whereby they operate in synchronism and at stated intervals, and shears periodically operating to sever the glass discharged from the charging receptacle.

1,514,092. LUBRICATING DEVICE. JOHN E. LYNCH, Syracuse, N. Y. Filed May 23, 1922. Serial No. 563,155. 7 Claims. (Cl. 184-63.)

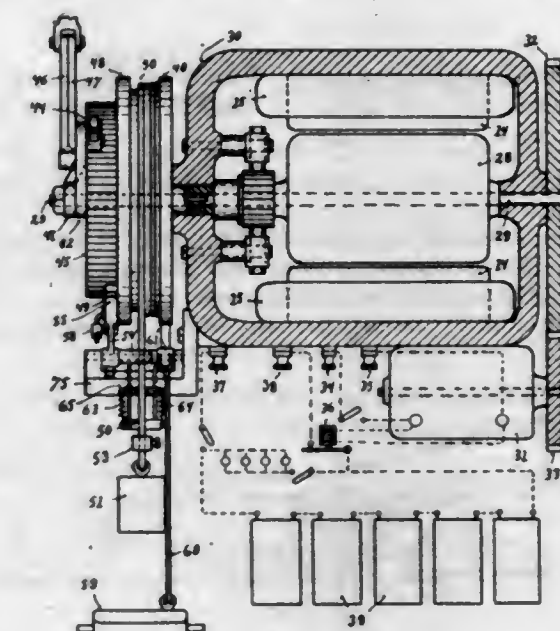


5. The combination with a bearing, and a shaft journaled in the bearing, the bearing being formed with a transverse oil passage therein, of a lubricator located at the inner end of the passage and comprising a body fitting the oil passage and formed with a hole therethrough and with an inwardly extending tubular stem aligned with said hole, a rolling delivery member located at the inner end of the tube and engaging the shaft, a rod resting at its lower end on the delivery member and extending upwardly through the passage, a lubricant cup having a stem extending into the outer end of said passage, the stem being formed with a slight opening and a rod extending through the portion of the stem formed with the slight opening, substantially as and for the purpose set forth.

1,514,093. ELECTRIC GENERATING APPARATUS AND METHOD. CASPER W. MILES, Anderson Township, Hamilton County, Ohio. Filed Oct. 6, 1919. Serial No. 328,837. 2 Claims. (Cl. 290-44.)

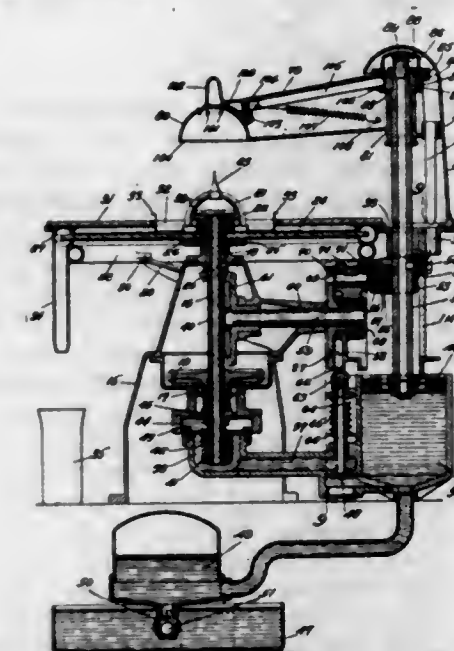
1. An electric generating apparatus comprising a magnetic field element, an armature having a cyclic movement relative to said field element to generate an electric

current, a magneto driven in unison with said armature to excite said field element, and driving means automatically directed through a cyclic movement in which



energy is first accumulated and then released and applied to actuate said armature and magneto, and a switch mechanism and circuit for said armature.

1,514,094. MACHINE FOR FURNISHING FRUIT-JUICE BEVERAGES. WARREN NOBLE, Providence, R. I. Filed Apr. 4, 1921. Serial No. 458,290. 16 Claims. (Cl. 146-3.)



1. A fruit juice extracting machine comprising a tool adapted to enter and excavate the fruit, means for rotating said tool, means for holding the fruit in contact with the tool, a centrifugal delivering member arranged to receive the juice so extracted from the fruit, and delivering means arranged to conduct the juice from said centrifugal member to a point of discharge.

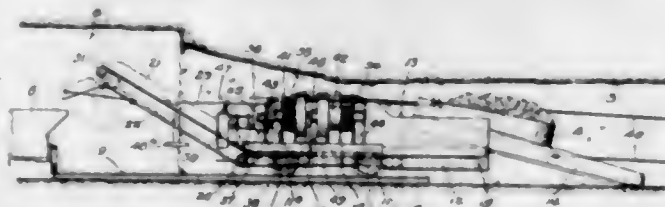
1,514,095. LUBRICANT. SVEN JOHAN NORDSTROM, San Francisco, Calif., assignor, by direct and mesne assignments, to Merco Nordstrom Valve Company, San Francisco, Calif., a Corporation of Delaware. Filed Aug. 28, 1922. Serial No. 584,617. 1 Claim. (Cl. 87-9.)

A lubricant insoluble in gasoline consisting of a mixture of substantially 32% hard soap, 52% soft soap, 4% graphite and 12% glycerine.

1,514,096. LUBRICANT. SVEN JOHAN NORDSTROM, San Francisco, Calif., assignor, by direct and mesne assignments, to Merco Nordstrom Valve Company, San Francisco, Calif., a Corporation of Delaware. Filed Aug. 28, 1922. Serial No. 584,864. 2 Claims. (Cl. 57-9.)

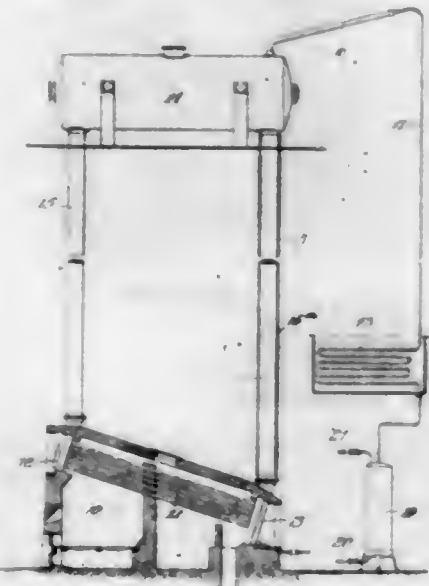
2. A lubricating compound comprising a mixture of mineral oil and a calcium soap made from vegetable oil, vegetable wax and quicklime.

1,514,097. LOADING APPARATUS. GLENN W. PACKER, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1921. Serial No. 457,380. 3 Claims. (Cl. 214-93.)



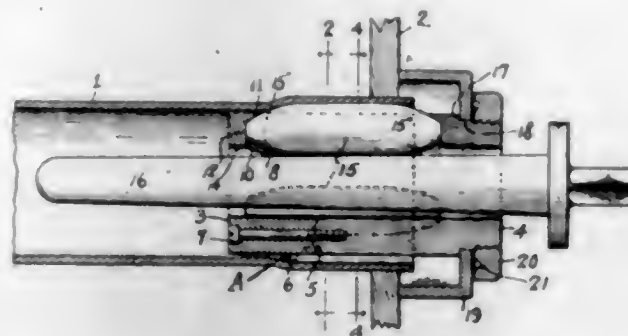
1. In a device of the class described, the combination of support having a pair of supporting wheels and axes, a scraper adapted to be moved along the ground, draft means for said scraper, winding devices for said draft means mounted on one side of said wheeled support, a receiving compartment at one end of said wheeled support adapted to receive material from said scraper, and a longitudinally disposed conveyor having oppositely moving portions above and below the supporting axes and communicating with said receiving compartment and adapted to discharge the material at a distance therefrom.

1,514,098. ART OF TREATING PETROLEUM OILS. CHARLES S. PALMER, Pittsburgh, Pa., assignor to Standard Oil Company, Chicago, Ill., a Corporation of Indiana. Filed July 5, 1917. Serial No. 178,609. 11 Claims. (Cl. 190-59.)



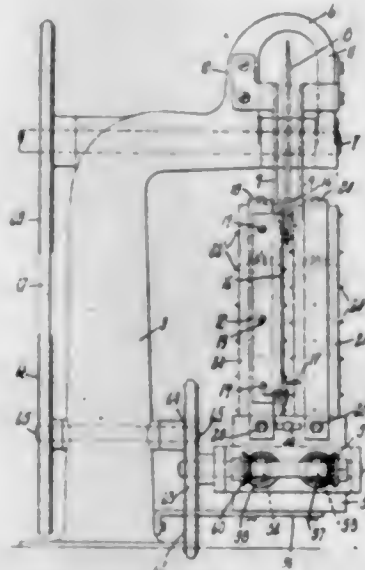
5. The process of treating relatively high boiling point petroleum oils for the production therefrom of relatively low boiling point oils, which consists in passing the high boiling point oils through a heating zone while under a substantial liquid pressure sufficient to prevent the evolution of vapors at the temperature required for decomposition of the oil, passing the decomposed oil through a cooling zone in which the pressure is gradually reduced in proportion to the reduction in temperature, and finally bringing the oil stream to such a temperature and pressure as to permit the evolution of the vapors of the lower boiling point products.

1,514,099. TUBE EXPANDER. ARTHUR B. PRIMO, Huntington, W. Va. Filed Jan. 24, 1921. Serial No. 439,925. 1 Claim. (Cl. 153-82.)



A tube expander comprising a cage formed of mating sections with interengaging tongue and groove connections and having a reduced threaded end defining an external shoulder, expander rollers arranged in said cage, a cup-shaped bearing member angular in cross section and having its bottom portion rotatable on said cage and abutting said shoulder, an adjustable bearing member threaded on the reduced end of the cage and arranged outwardly of the first mentioned bearing member, and friction reducing devices arranged intermediate the first and second mentioned bearing members.

1,514,100. TAP-SPLITTING MACHINE. WALTER J. RANCOURT, Boston, Mass. Filed May 7, 1923. Serial No. 637,192. 12 Claims. (Cl. 69-16.)

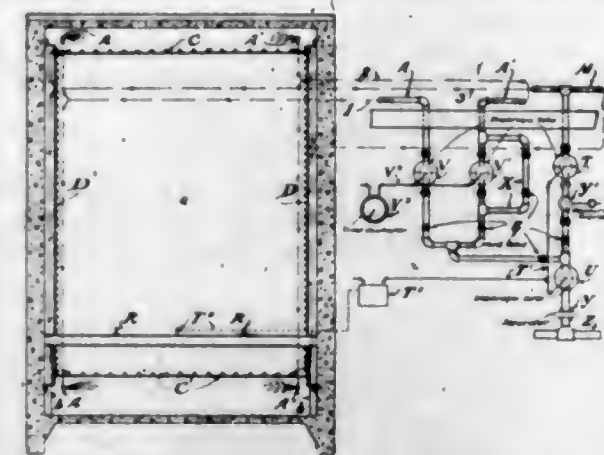


1. A tap splitting machine having, in combination, a rotary cutter, a series of pairs of feed rolls adapted to feed a tap to said cutter, the axes of said feed rolls lying in two parallel planes extending transversely of the axis of said cutter and upon opposite sides respectively of said cutter, the upper ends of one pair of feed rolls extending toward the cutter beyond the upper ends of the other pairs of feed rolls, said cutter projecting between said extended upper ends, whereby the opposite faces of said tap may be positioned laterally relatively to the cutter.

1,514,101. DRY KILN. RALPH H. RAWSON, Portland, Oreg., and OLIVER P. M. GOSS, Seattle, Wash. Filed July 21, 1921. Serial No. 456,557. 22 Claims. (Cl. 34-47.)

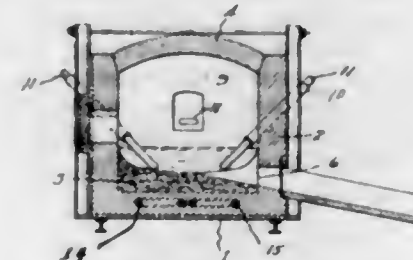
1. In a dry kiln, a horizontally disposed steam spray pipe sloped to drain the condensation within it to a low point, and a trap connected with said low point adapted to remove the condensation automatically as it accumulates.

lates; the spray orifices of said spray pipe being so located as to leave an unperforated trough-like portion at the bottom of the spray pipe, whereby the vapors within



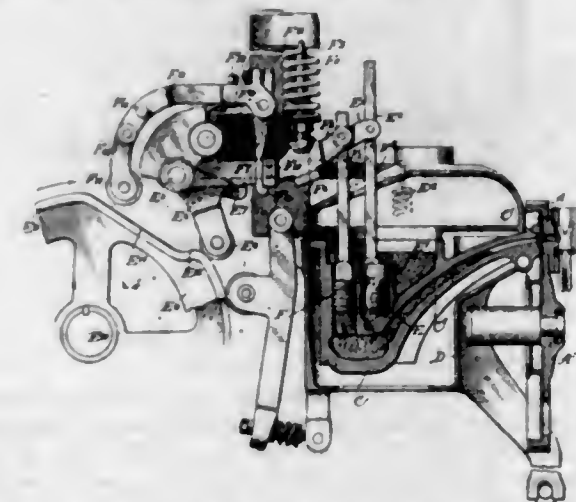
the latter are released through said orifices while the condensation collecting in the spray pipe is conducted by the trough-like portion of the latter to said trap.

1,514,102. PROCESS OF TREATING METAL. RICHARD ROBINSON, Masury, Ohio. Filed Dec. 6, 1920. Serial No. 428,579. 14 Claims. (Cl. 204-64.)



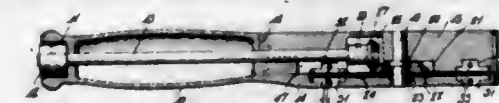
1. The process of treating metal which comprises reducing or melting the metal and maintaining the same in a molten condition by means of heat applied thereto from above, providing a protecting coating of slag for such molten metal, and subjecting the molten metal to the action of an electric current supplied through electrodes operating adjacent to the bottom of the molten mass and beneath the slag coating.

1,514,103. TYPOGRAPHICAL CASTING METHOD AND APPARATUS. JOHN R. ROGERS, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,548. 45 Claims. (Cl. 22-70.)



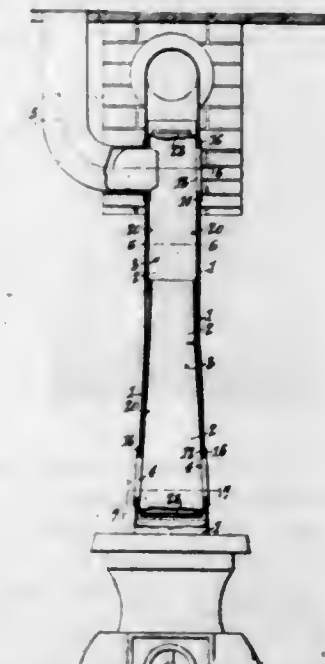
14. In a typographical casting machine, the combination of a mold, a pumping apparatus for filling the mold with molten metal and comprising two plungers operated at different periods in the casting operation, and means for rendering one of said plungers inactive when desired.

1,514,104. BEEF-SKINNING MACHINE. GEORGE FRANCIS RUFFING, McKeesport, Pa. Filed Dec. 8, 1923. Serial No. 679,357. 4 Claims. (Cl. 17-22.)



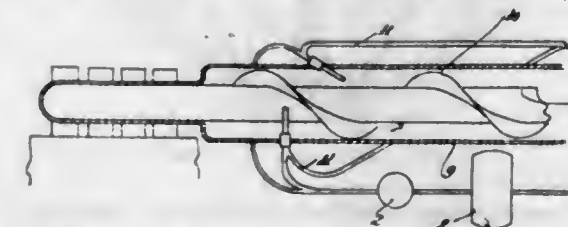
1. In a beef skinning machine, a handle, a housing formed in sections, one section of said housing being formed integrally with said handle, a rotary cutting disc mounted in said housing, means contained in said housing for rotating said disc and adjustable guards mounted in said housing and projecting on both sides of said cutting disc.

1,514,105. AIR HEATER. ALBERT RUSSO, Pittston, Pa. Filed Oct. 11, 1922. Serial No. 593,767. 3 Claims. (Cl. 257-167.)



2. In a stove pipe heater of the character described, the combination with a smoke pipe an opening near the lower end and an opening at the upper end; of a flat tube relatively narrow in cross section and of such a width that its opposite edges snugly fit the diametrically opposite bearing portions of the smoke pipe when fitted therein, the upper and lower ends of the flat tube being clamped together to form closures for the said tube ends, the opposite edges of the tube having an inlet and an outlet having straight sides and ends, the openings in the edges of the tube being of less length and width than the coincident openings in the smoke pipe, the corners of the openings in the tube being diagonally slitted whereby flanges are provided adapted for being drawn out through and clamped over the edges of the adjacent openings in the smoke pipe when the tube is in operative adjustment within the said smoke pipe.

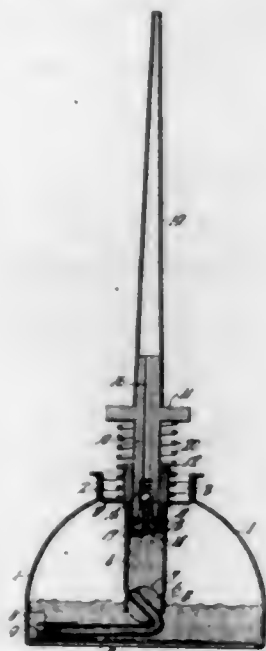
1,514,106. SMOKE, LUMINOUS, OR OTHER TRAIL FROM AIRCRAFT. JOHN C. SAVAGE, Ryde, Isle of Wight, England, assignor to The Skywriting Corporation of America. Filed June 30, 1922. Serial No. 572,034. 15 Claims. (Cl. 244-1.)



3. In an aircraft, means for producing visible trails for aerial advertising or other purposes, comprising an exhaust chamber into which the hot exhaust gases are led,

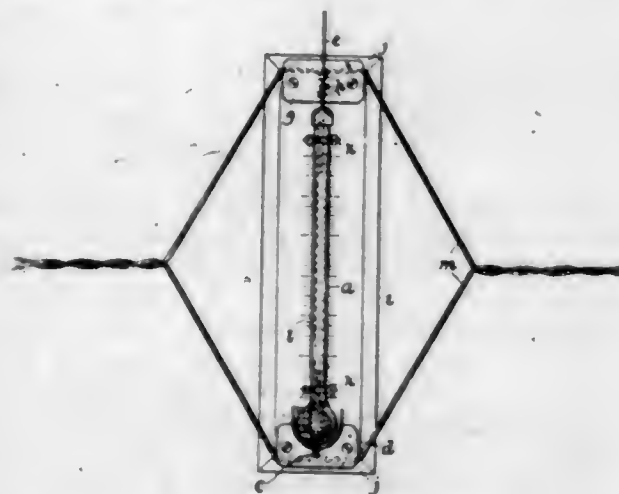
a second chamber closely associated with the first chamber to receive the radiated heat therefrom, means for leading a liquid visualizing material to said second chamber, and means for discharging the heat-treated visualizing material into the atmosphere.

1,514,107. OIL CAN. JOSEPH SCHUTTEN, Los Angeles, Calif. Filed Oct. 3, 1923. Serial No. 666,376. 9 Claims. (Cl. 221—50.)



8. In a device of the class described the combination with a fluid receiving body, a spout for discharging the contents of the body, a force feed mechanism for ejecting the contents of the body through the spout, said mechanism including a pendent cylindrical portion, a member through which fluid is adapted to be conveyed through said pendent cylindrical portion, and a universal joint connection between said member and said cylindrical portion, all being arranged whereby the entrant end of said member may follow the contour of said body in any direction and be automatically presented to the greatest depth of the fluid as the position of the body is changed in effecting the fluid discharge.

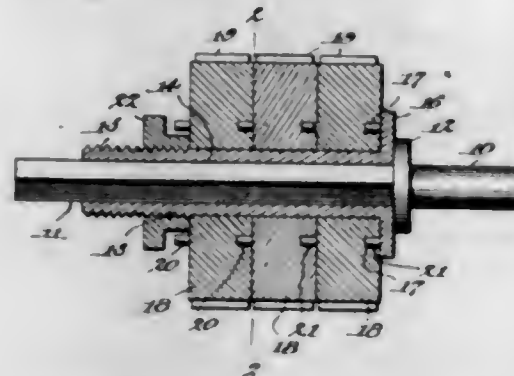
1,514,108. THERMAL CIRCUIT CLOSER. WILLIAM SMALL, Paterson, and DAVID L. SMALL, Vaux Hall, N. J. Filed July 25, 1921. Serial No. 487,568. 4 Claims. (Cl. 200—140.)



3. In combination, with a thermometer tube and the mercury therein, means extending into the base of the tube to electrically connect the mercury column with one of the delivery and return conductors of an electric circuit, an attenuated contact member telescopically ar-

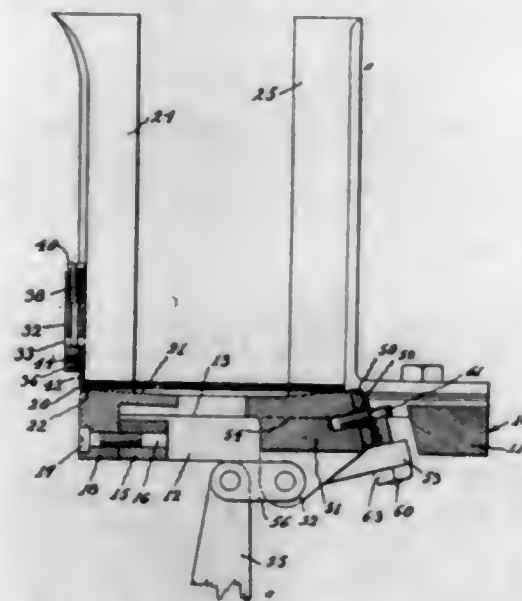
ranged in the other end of the tube, an electro-conductive plate having a pair of spaced bent-up tongues both projecting in the same direction across said member and another bent-up tongue projecting in the opposite direction across said member and between the first two tongues, said tongues coacting to frictionally hold said member against the plate, and a mounting for the tube and plate.

1,514,109. MONOGRAM-MAKING MACHINE. HELFRID STENSTROM, New York, N. Y. Filed July 30, 1923. Serial No. 654,683. 4 Claims. (Cl. 101—375.)



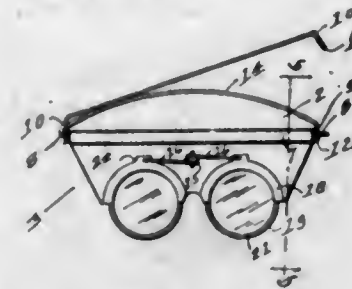
1. In a device for printing a monogram, a spindle having a squared shank, a plurality of disks having type arranged on their outer peripheries, said disks being mounted upon said spindle, co-acting means on said disks for locking the same in proper position of adjustment, and means for preventing turning of said disks about said spindle, said means including a sleeve provided with a squared bore for co-action with the squared shank of said spindle.

1,514,110. THROAT KNIFE FOR CARD-FEED MECHANISM. HARVEY PECK STILL, Burnside, Conn., assignor, by means assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1920. Serial No. 360,578. 11 Claims. (Cl. 271—44.)



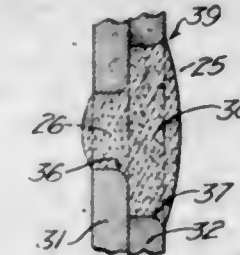
1. In combination, a magazine; a throat block secured thereto; a horizontal throat-knife supporting-plate secured against the front of the magazine face of said front guides just above said block and provided with a long horizontal slot near its edge dividing the supporting plate into a bendable strip and a stiffer portion provided with a threaded bore; an adjustable screw in said bore and engaging said strip; a throat knife secured to said strip just above said block; and a reciprocating block on said base.

1,514,111. EYE PROTECTOR. JOSEPH SUTTON, Walla Walla, Wash. Filed Jan. 20, 1923. Serial No. 613,878. 2 Claims. (Cl. 2—10.)



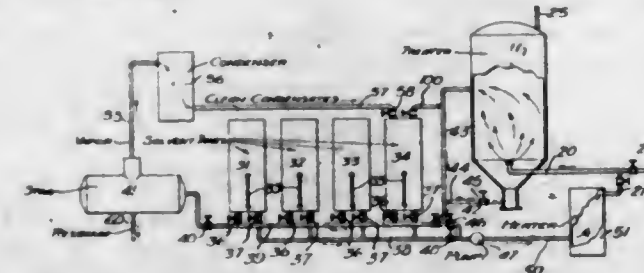
1. In an eye piece protector, the combination with a head cover, of a base having a broad bearing surface and provided with a hinge portion on its ends, an eye piece plate extended transversely to form a shield, and provided with a hinge portion, a friction pin engaging the base and eye piece plate to form a friction hinge therewith, and said friction pin being provided with an extended portion for securing said protector to the visor of said head cover.

1,514,112. METHOD OF SECURING JOINTS IN STOVEPIPE CASINGS. MORGAN L. SWEENEY, Los Angeles, Calif., assignor to Union Tank & Pipe Company, a Corporation of California. Filed Sept. 21, 1922. Serial No. 559,496. 4 Claims. (Cl. 113—112.)



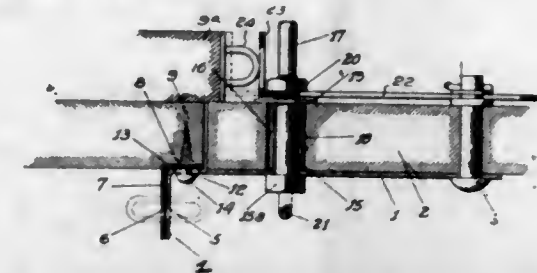
1. The method of securing joints in stovepipe casing, comprising; forming holes in one of the overlapping plates comprising said joints; forming cooperating holes of smaller diameter than said holes in said outer plates, in the other of said plates comprising said joints; and welding keys into said outer holes and said cooperating inner holes.

1,514,113. PROCESS FOR REMOVING VALUES FROM OIL SANDS. MILON J. TRUMBLE, Los Angeles, Calif. Filed June 5, 1922. Serial No. 566,076. 7 Claims. (Cl. 196—14.)



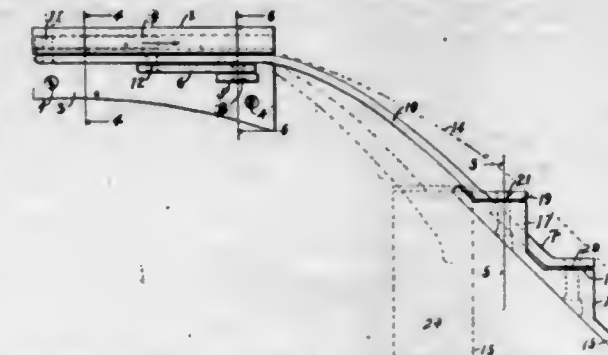
1. A process of recovering values from oil sands comprising: providing a plurality of storage tanks adapted to contain oil dissolved in a solvent, the first of said tanks containing solvent free from dissolved oil, succeeding tanks containing increasing amounts of oil; circulating the solvent from the tank containing the greatest proportion of oil through a mass of oil sand to mix the solvent with further amounts of oil; delivering the product of said mixture to a still in which the low boiling point fractions of the mixture are vaporized; condensing said low boiling fractions and delivering at least a portion of the condensates so formed to said first tank to replace solvent which has been used therefrom; and thereafter successively washing the oil sand with solvents of successively lower dilution with oil.

1,514,114. COMBINED REVERSIBLE HASP AND LATCH. RALPH A. WAKEFIELD, Sacramento, Calif. Filed May 20, 1922. Serial No. 562,360. 3 Claims. (Cl. 292—281.)



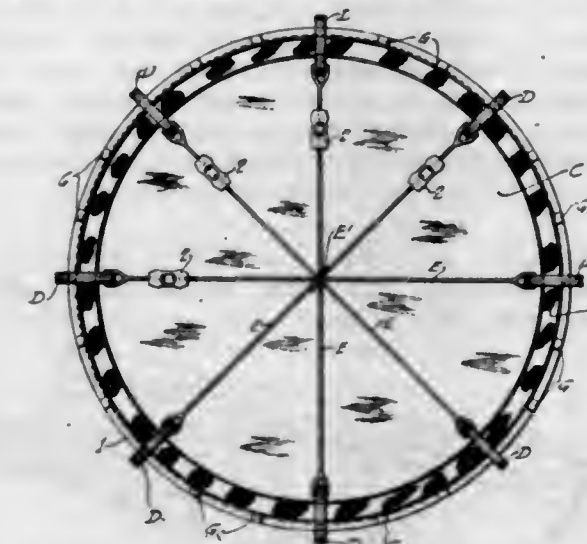
1. A combined hasp and latch structure comprising a main member adapted to be positioned on one face of a door and projecting beyond the free end thereof, a co-operating member adapted to be fixed on a door frame, latch means between said members, and auxiliary latch means mounted in connection with the main member on the opposite face of the door and operable independently thereof.

1,514,115. WINDOW SUPPORT. VINCENT J. WHITNEY, San Francisco, Calif. Filed Sept. 26, 1923. Serial No. 664,919. 4 Claims. (Cl. 20—53.)



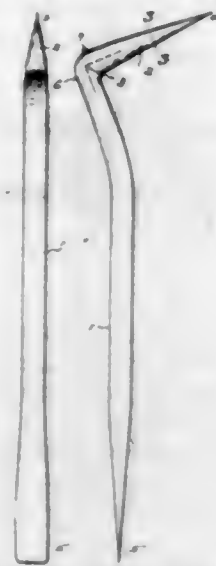
1. The combination with a window sash and frame having similarly curved contiguous edges, of a curved supporting arm pivotally mounted at one end on a fixed vertical axis on said frame, and pivotally mounted at its other end on a fixed vertical axis on said sash, said axes being spaced a substantial distance apart and the curvature of said arm conforming substantially to the curvature of the window sash.

1,514,116. OIL-STORAGE TANK. JOHN H. WIGGINS, Bartlesville, Okla. Filed May 19, 1922. Serial No. 562,107. 23 Claims. (Cl. 220—26.)



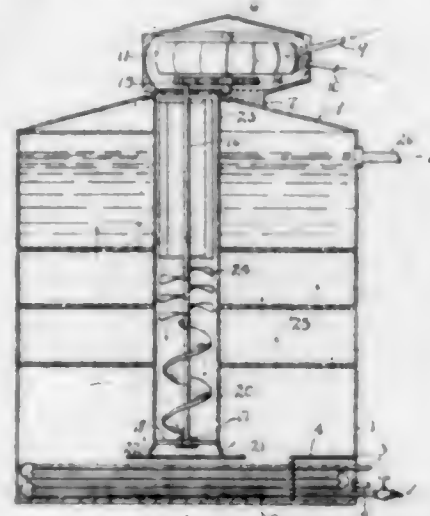
1. A liquid storage tank provided with a side wall formed by a vertically-disposed, cylindrical member open at its upper end, a floating deck supported by the liquid in the tank, and tension members combined with said side wall in such a way that the sections of the side wall arranged between said tension members constitute a series of arches.

1,514,117. COTTER-PIN EXTRACTOR. FRANK W. WILDER, Watertown, Conn. Filed Sept. 6, 1921. Serial No. 498,844. 1 Claim. (Cl. 29—86.1.)



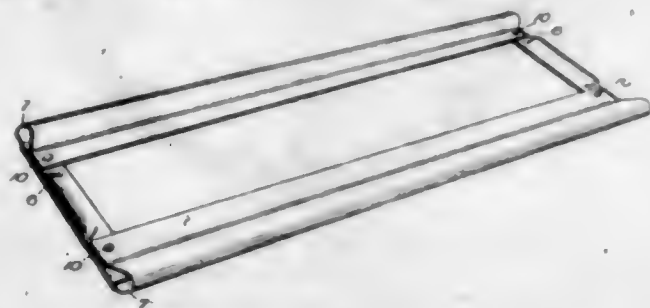
A tool for manipulating cotter pins comprising an integral bar bent to form two arms of unequal length extending at substantially right angles to each other, the shorter of said arms tapering to a point and the outer surface of the bar at the bend thereof being rounded and free from projections.

1,514,118. OIL-TREATING MACHINE. JOHN F. WRIGHT, El Dorado, Ark. Filed Apr. 9, 1923. Serial No. 631,028. 7 Claims. (Cl. 196—3.)



1. An oil treating device comprising a tank, a housing thereon, a propeller blade in said housing converging nozzles positioned to deliver oil and hot water simultaneously against the blades of said propeller, agitating means for said oil and hot water, and baffles in said tank outside said housing to assist in settling out the water and other impurities from the oil.

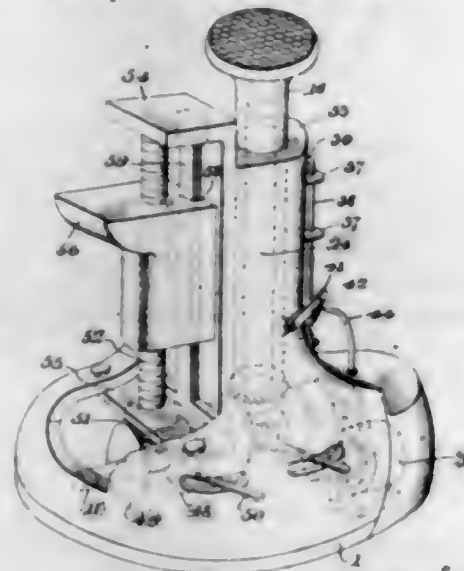
1,514,119. PALLET. CLARENCE H. YOUNG, Boston, Mass. Filed Apr. 15, 1922. Serial No. 553,074. 4 Claims. (Cl. 34—17.)



3. A pallet comprising, in combination, a flat relatively extended body portion formed of sheet metal having reversely bent ends and laterally bent downwardly

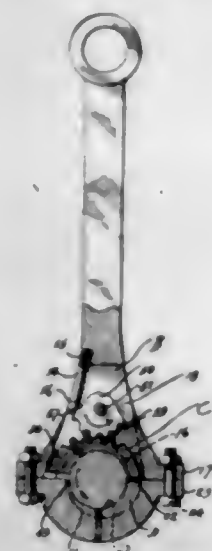
and inwardly to present opposed lips lying in a plane generally parallel to the plane of said body portion, said ends underlying said lips and securing means adjacent the corners of the pallet and passing through said body part, said ends and said lips.

1,514,120. ELECTRIC JACK. WILLIAM R. G. ALTERS, Johnstown, Pa. Filed May 8, 1924. Serial No. 711,028. 5 Claims. (Cl. 254—103.)



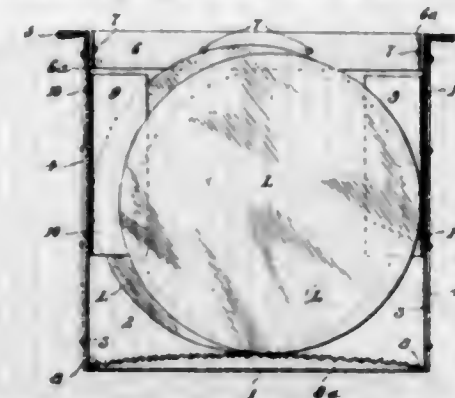
2. A jack comprising a base, a motor driven shaft thereon, two jack heads mounted for independent or simultaneous reciprocating movement upon said base, and gearing adapted to connect the shaft and jack heads to produce such movement as desired.

1,514,121. ADJUSTABLE BEARING-BOX CONSTRUCTION. JOHN A. ANDERSON, Balaton, Minn., assignor of one-half to Fred W. Anderson, Balaton, Minn. Filed June 21, 1922. Serial No. 569,768. 1 Claim. (Cl. 64—55.)



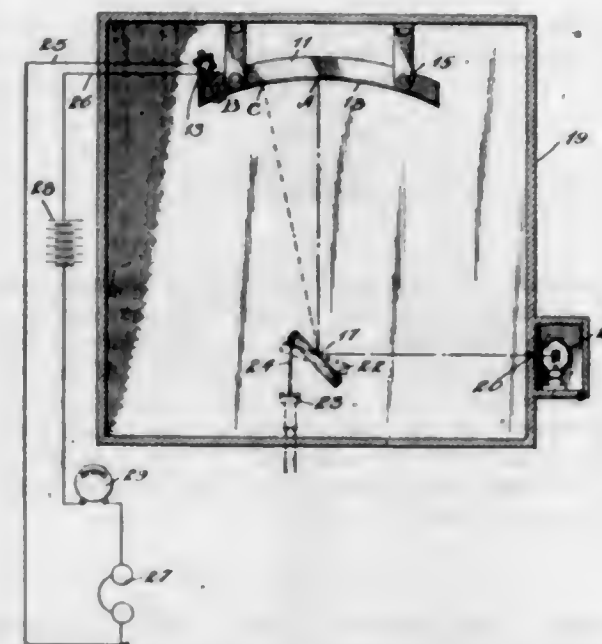
In a bearing construction, a body having a main section and an auxiliary cap forming section, said sections being provided with off-set recesses forming a shaft receiving bore having at opposite sides abutment shoulders facing in opposite directions, bushing members in said recesses tapered circumferentially of the bore and each having its larger end positioned for engagement with an abutment shoulder and its smaller end adjacent the larger end of the other bushing member, the bushing member in the main body forming section having longitudinally spaced rack forming teeth, a segmental pinion forming member pivotally mounted in said main section and having its teeth engaging the rack forming teeth, and a spring engaging said pinion for imparting movement to the pinion and urging the bushing in the main section towards the larger end of the bushing in the auxiliary section.

1,514,122. ANNEALING BOX FOR LENSES OR THE LIKE. PLATO ARCHER, Jeannette, Pa. Filed May 29, 1923. Serial No. 642,259. 5 Claims. (Cl. 49—45.)



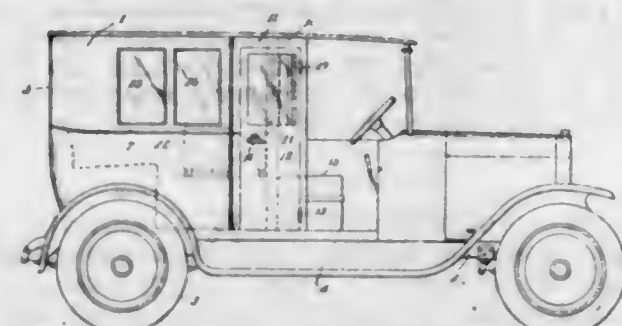
3. In an annealing box for lenses, a box structure, and vertical partitions carried by opposite sides of the box to support opposite edges of lenses and retain the lenses in spaced relation during annealing.

1,514,123. AMPLIFIER. VYTOLO A. BACEVICZ, Syracuse, N. Y. Filed Apr. 26, 1922. Serial No. 556,785. 5 Claims. (Cl. 219—63.)



1. A resistance element including a pair of spaced arcuate bars having equal radii and arranged side by side with their centers of curvature at common axis, said bars being electrically separated and at least one bar being of high resistance material and a bridge of photoconductive material extending from end to end of and bridging the space between said bars.

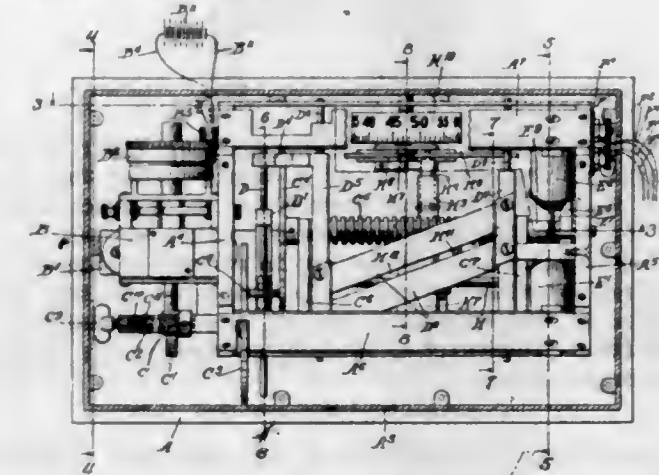
1,514,124. VEHICLE BODY. PERRY S. BAUER, Chicago, Ill. Filed May 24, 1924. Serial No. 715,710. 10 Claims. (Cl. 296—28.)



3. A vehicle body having a front wall and side walls, said front wall comprising a portion at substantially right angles to said side walls, a portion extending forwardly from said last named portion to form a recumbent angle therewith, and another portion rearwardly inclined from the forward end of said forwardly extending portion and joining said portion with the other of said side walls.

wardly from said last named portion to form a recumbent angle therewith, and another portion rearwardly inclined from the forward end of said forwardly extending portion and joining said portion with the other of said side walls.

1,514,125. SPEEDOMETER. GUY W. BLACKBURN, Elgin, Ill. Filed Jan. 3, 1921. Serial No. 434,482. 28 Claims. (Cl. 264—9.)



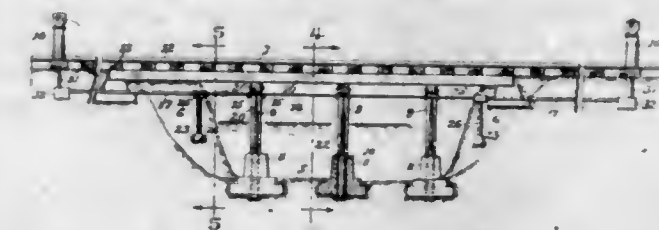
1. A speedometer comprising an indicating mechanism, two separate driving means therefor adapted conjointly to operate upon the indicating mechanism tending to drive it in different directions at different speeds, one of said driving means including a motor adapted to operate at a speed bearing a fixed relation to the speed to be measured, the other, including a motor driven at constant speed, means included in the driving connection between the constant speed motor and the driving means actuated thereby for varying the rate of speed of said driving means dependent on the position of the indicating mechanism.

1,514,126. JEWEL SETTER. HENRY F. BRATZ, Eau Claire, Wis. Filed June 21, 1922. Serial No. 570,003. 2 Claims. (Cl. 81—8.)



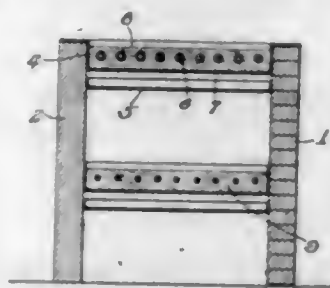
1. A tool of the character described comprising an elongated shank provided at one end with a handle, a head member pivoted upon the other end of the shank and formed as a disk provided at one side with an elongated tongue, said disk being formed with a plurality of radial openings of different sizes adapted selectively to receive the arbor of a gear or balance wheel, the disk being provided at its periphery with recesses opposite the outer ends of said openings.

1,514,127. RAILWAY SIGNALING SYSTEM. HENRY W. BROCK, Denver, Colo. Filed Nov. 24, 1923. Serial No. 676,839. 9 Claims. (Cl. 246—121.)



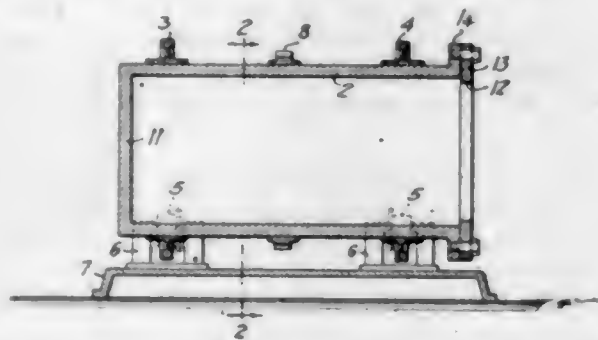
1. In a railway signaling system, the combination with a railway track, of a support therefor, having a vertical bore, a weight in said bore resting on ground beneath the support, a signaling device, and means for the operation of said device by downward movement of the weight.

1,514,128. REFRIGERATING DISPLAY APPARATUS. EASTMAN A. BURROWS, Chicago, Ill. Filed Apr. 8, 1921. Serial No. 459,822. 10 Claims. (Cl. 62-170.)



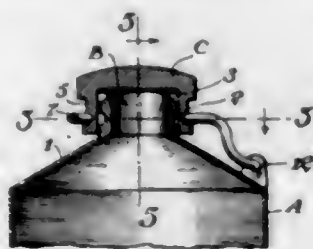
10. The method of displaying food or other articles comprising the circulation of a refrigerating fluid in a plane below the position desired for the article, supplying water to the area over said means, so that ice is formed with an exposed surface to provide a support for the food or other articles to be displayed, placing such articles on the surface of the ice, and maintaining said circulation sufficiently to prevent melting of the ice support thus formed.

1,514,129. PRODUCTION OF HOLLOW INGOTS. FRANK E. CLARK, New York, N. Y. Filed June 8, 1921. Serial No. 476,038. 1 Claim. (Cl. 22-65.)



The method of producing hollow ingots which consists in feeding successive charges of molten metal to a rotating mold having detachable dams and securing different dams to said mold to regulate the thickness of the different strata of the ingot formed in the mold.

1,514,130. RECEPTACLE CLOSURE CAP. EVERETT G. CLEMENTS, Washington, D. C. Filed Mar. 7, 1923. Serial No. 623,497. 8 Claims. (Cl. 221-60.)

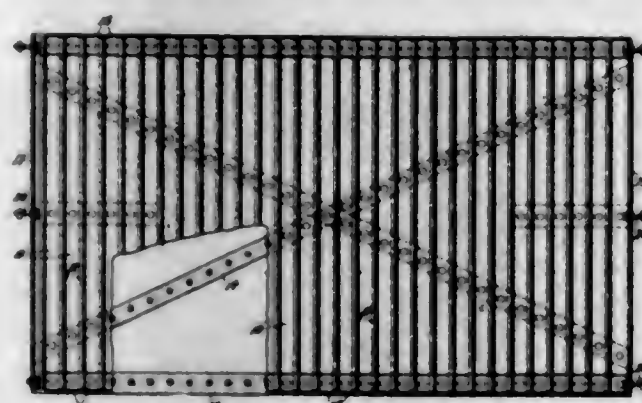


1. In combination with a receptacle having a neck, a rotatable closure cap therefor, and resilient locking means engaging said cap and attached at one end to said receptacle, said cap and said means co-operating under rotation of the cap, to move said means to a position to lock or unlock said cap with respect to said neck.

1,514,131. GRAIN CARRIER. ERNEST COBURN, Spokane, Wash., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed June 23, 1920. Serial No. 391,028. 2 Claims. (Cl. 198-199.)

1. An endless flexible carrier for grain, comprising a series of transversely extending cells, each formed of a

channel-shaped member having a bottom web, a single flange, and a double flange, the single flange being interlocked with the double flange of the adjacent cell and



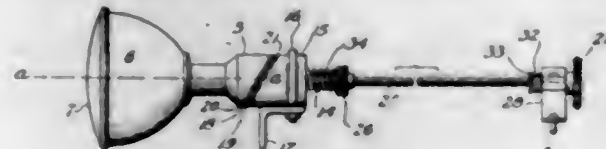
movable to permit the interlocked members to flex, separate metallic end-walls for the cells, and endless flexible straps to which said cell members are connected.

1,514,132. MIXER FOR GASEOUS FUEL. WILLIAM C. CORTELYOU, Oblong, Ill. Filed Apr. 30, 1921. Serial No. 465,774. 7 Claims. (Cl. 48-180.)



2. A mixer for fuel fed to explosion engines, comprising a cylinder with two spaced circular series of inwardly tapering vanes fast to the walls of the cylinder and converging toward the central portion of the cylinder on opposite faces of a central plane, each vane meeting the periphery of the cylinder in a line which forms an oblique angle with the elements of the cylinder, and a gauze division plate located in said central plane between the two series of vanes.

1,514,133. ADJUSTABLE LAMP. JOHN F. COURSON and PHILIP T. BRENDLINGER, Pitsburgh, Pa. Filed Dec. 9, 1921. Serial No. 521,197. 4 Claims. (Cl. 240-61.)

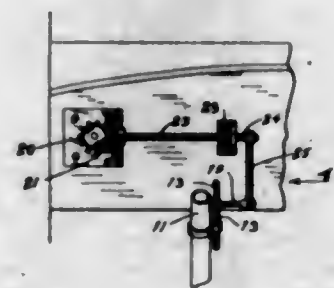


1. An adjustable lamp of the class described comprising a supporting body having a continuously plane beveled bearing face thereon, a lamp carrying base movably mounted on the body having a corresponding continuously plane beveled bearing surface engaging the beveled surface of the body, and spring retracted means for rotatably holding the base against the body and for rotating it thereon so as to assume different angular positions with respect thereto.

1,514,134. AUTOMOBILE TRAFFIC SIGNAL. ANTHONY COVIELLO, Denver, Colo. Filed May 23, 1924. Serial No. 715,331. 1 Claim. (Cl. 74-39.)

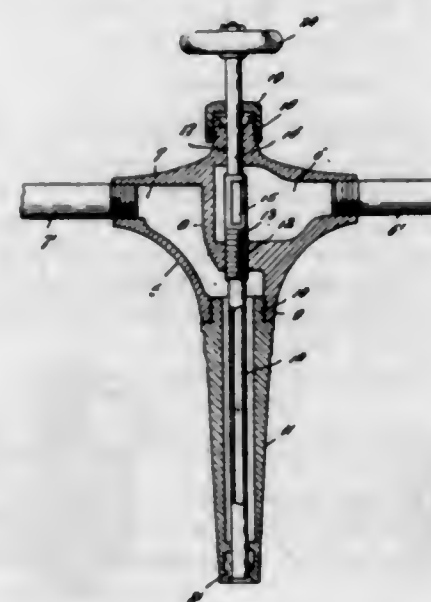
In combination, an automobile body, a signal mounted thereon, a steering post, a quadrant secured to the steering post, a rod mounted for partial rotation about an axis parallel with the steering post, a handle on said rod, said handle having means for frictionally engaging

the quadrant, a crank secured to said rod, a connecting rod secured to the end of said crank, a shaft mounted for partial rotation on the body, said shaft having a crank on one end and a gear on the other end, one end of the connecting rod being pivotally connected to the last-named crank, whereby a movement of the



handle will cause the gear to rotate, a shaft extending through the body member in a direction substantially at right angles to the shaft carrying the gear, a gear on said shaft, said gear being in mesh with the first-mentioned gear, a crank on the other end of the last-mentioned shaft, and a connecting rod connecting the last-mentioned crank to the signal.

1,514,135. OIL BURNER. THOMAS EDWARD CRAVENS, Texas City, Tex. Filed Mar. 10, 1923. Serial No. 624,078. 1 Claim. (Cl. 158-75.)

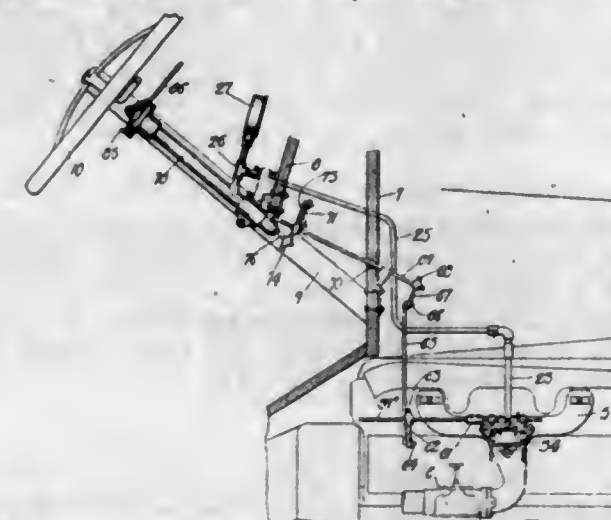


A burner comprising a head casing having a nozzle and provided with a pair of compartments, the nozzle being provided at its discharge end with an interiorly located spirally disposed ridge, a tube screw threaded in the partition between the compartments and having an end portion snugly received within the inner edge surface of the ridge, said tube being provided with an opening which communicates with one of the compartments only, the tube being provided with a rod handle which passes through the wall of the head casing, the thread upon the tube being of a length sufficient to permit the discharge end of the tube to be projected beyond the discharge end of the nozzle, and the tube opening being disposed beyond that end of the thread, which is disposed toward the discharge end of the tube.

1,514,136. ATMOSPHERIC MOTOR CONTROL, BACK-FIRE TRAP, AND MOTOR LOCK. PETER L. CRON, Elizabeth, N. J. Filed May 10, 1922. Serial No. 559,973. Renewed Aug. 29, 1924. 19 Claims. (Cl. 123-119.)

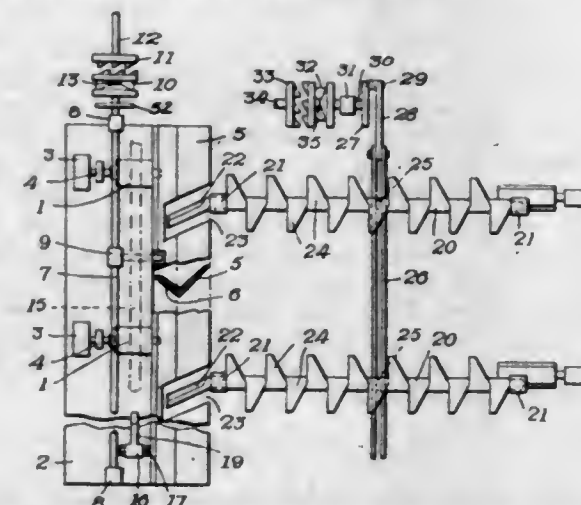
1. A motor control mechanism comprising a trap attachable to the intake manifold of an engine and in com-

munication therewith, means for determining the vacuum created in said trap, a closure adapted to be opened



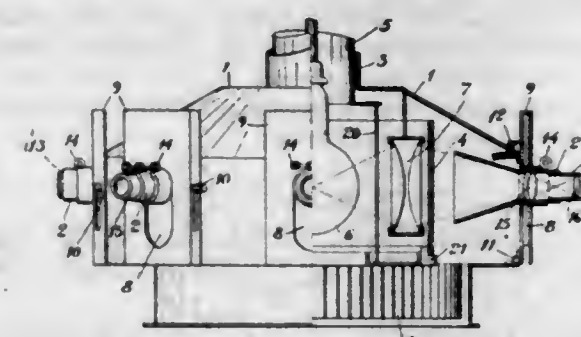
upon back fire of the engine and air regulating means cooperating with the closure to vary the fuel mixture within the trap and intake manifold.

1,514,137. CONVEYING MECHANISM. FRED B. CROSBY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 4, 1920. Serial No. 356,323. 12 Claims. (Cl. 80-42.)



2. In a mechanism of the class described, a plurality of rolls for moving a bar longitudinally, a cooling bed for moving a bar sideways, means controlled by the movement of the bar along the rolls for automatically initiating a transfer of the bar from the rolls to the cooling bed, and means for automatically causing a delay in the transfer of the bar.

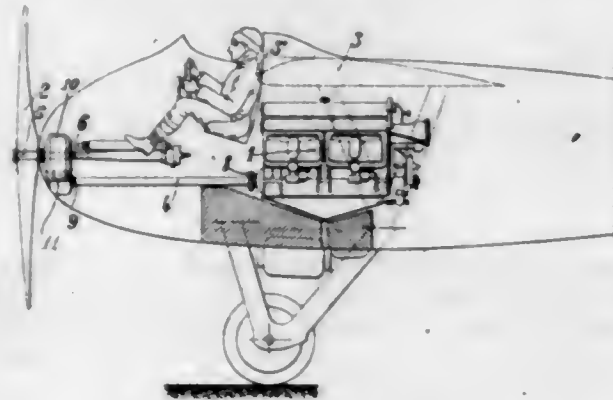
1,514,138. PROJECTING APPARATUS FOR THE PROJECTION OF PANORAMA VIEWS UPON STAGES. GUSTAF DAHL, Stockholm, Sweden, assignor to Aktiebolaget Ars, Stockholm, Sweden, a Corporation. Filed Jan. 22, 1923. Serial No. 614,249. 6 Claims. (Cl. 88-24.)



1. A projecting apparatus comprising a casing, a rotating shaft fixed to said casing, a number of projectors radially arranged at the circumference of said casing,

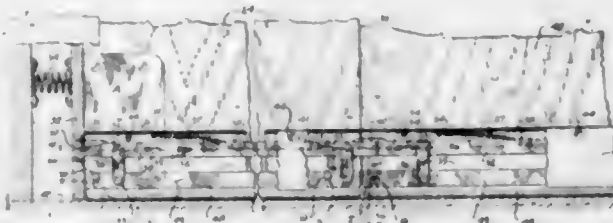
a source of light at the center of the casing, and a transparent object arranged between the projectors and the source of light, each of said projectors consisting of two objectives having a common main axis and being so spaced that the reversed picture produced by the first objective and falling between the two objectives will be turned the right way by the second objective.

1,514,139. FLYING MACHINE MORE PARTICULARLY APPLICABLE TO FIGHTING MACHINES. GUSTAVE DELAGE, Paris, France, assignor to Société Anonyme: Neuport-Astra, Issy-les-Moulineux, France, a Corporation of France. Filed Apr. 19, 1923. Serial No. 633,209. 1 Claim. (Cl. 244-14.)



In a combat plane in combination, a fuselage, a fire arm mounted therein, an engine mounted in the fuselage with its crank shaft beneath the fire arm, a tubular propeller shaft mounted in the forward part of the fuselage and through which the barrel of the fire arm is arranged, a reducer mounted in the fuselage beneath and operably connected with the propeller shaft, an intermediate shaft having its ends universally connected with the reducer shaft and the engine shaft for transmitting movement from the engine to the reducer and at the same time maintaining the propeller shaft in proper position even when the fuselage or other parts are subjected to distortion.

1,514,140. DOOR CONSTRUCTION. ARTHUR H. DODGE, New York, N. Y., assignor to the J. G. Wilson Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 17, 1923. Serial No. 681,173. 26 Claims. (Cl. 20-20.)

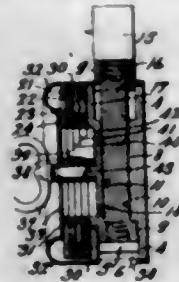


7. In door construction, a frame, a pair of doors hinged together at their meeting edges, and foldable with relation to the frame, strips movable to close the space between the lower edges of the doors and the frame, and means responsive to unfolding movement of said doors to operate said strips.

1,514,141. DRAWER AND WARDROBE LOCK. GEORGE DORN, Newport News, Va. Filed Mar. 27, 1923. Serial No. 628,093. 7 Claims. (Cl. 70-14.)

1. A lock comprising a base shell and an outer shell secured to the base shell, a partition plate, a plunger operating between said partition plate and the base shell, locking plates in the casing between said partition plate and the front of the casing, said casing having

a keyhole slot, a key adapted to enter said slot and cooperate with said locking plates, guides for said locking plates, said plunger having provision to be en-



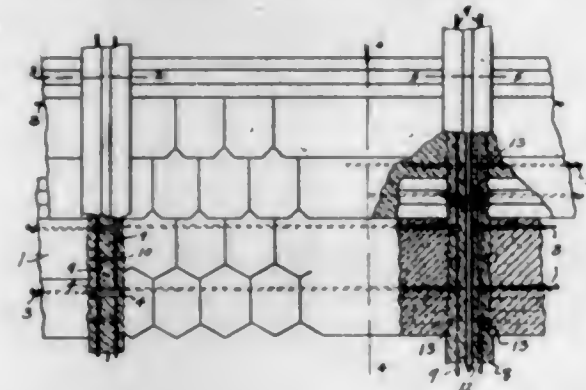
gaged by said key, a locking finger carried by the plunger, said locking plates each having a locking slot through which said finger projects, and springs for holding the locking plates in a normal position.

1,514,142. CIGAR MOLD. CLARENCE J. DU BRUL, Cincinnati, Ohio. Filed Dec. 29, 1920. Serial No. 433,874. 7 Claims. (Cl. 131-9.)



1. A cigar mold which comprises two sections, dowel pins carried by one section, the other section thereof being provided with cooperating apertures, said dowel pins being provided with reduced neck portions adjacent their ends, the wall of the aperture adjacent the dowel pins being rounded for cooperation therewith.

1,514,143. CONCRETE CONSTRUCTION. WENZEL J. DVORAK, Sunset Heights, Tex. Filed Apr. 10, 1923. Serial No. 631,081. 5 Claims. (Cl. 72-68.)

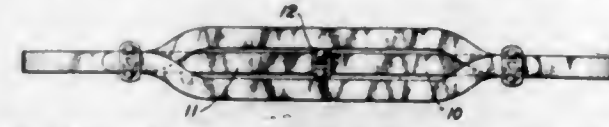


1. A concrete construction formed of substantially rectangular concrete slabs, the adjacent edges of said slabs being correspondingly beveled so as to overlap and form a comparatively smooth surface, lengthwise reinforcing bars embedded in the slabs, which project beyond the ends of the slabs, said projecting portions being formed into loops, concrete beams poured while in plastic state and supporting the adjacent ends of said slabs, reinforcing rods extending through the loops of the adjacent ends of the slabs, said loops and the rods extending through them being embedded in the corresponding beams, alternative beams having deep, lengthwise grooves along their upper sides, water proofing material filling said grooves.

1,514,144. BUMPER-BAR CLAMP. ROLLIE B. FAGEOL, Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Apr. 10, 1923. Serial No. 631,078. 7 Claims. (Cl. 293-55.)

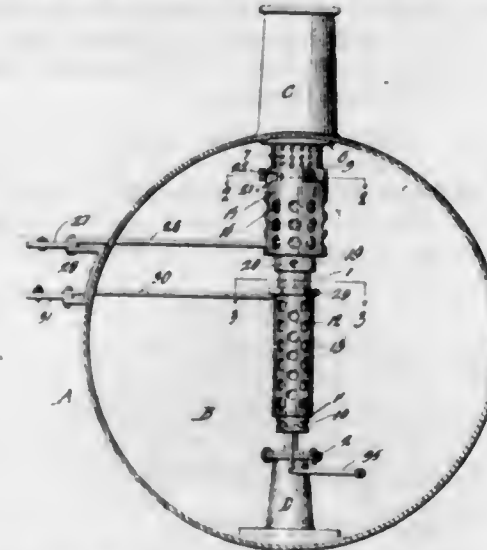
1. A device for clamping abutting bars of automobile bumpers, comprising a plate extending along the aligned faces of the bars on one side and bridging the

gap therebetween, said plate being formed with parallel flanges overhanging the edges of the bars, a second plate extending along the aligned faces on the opposite side



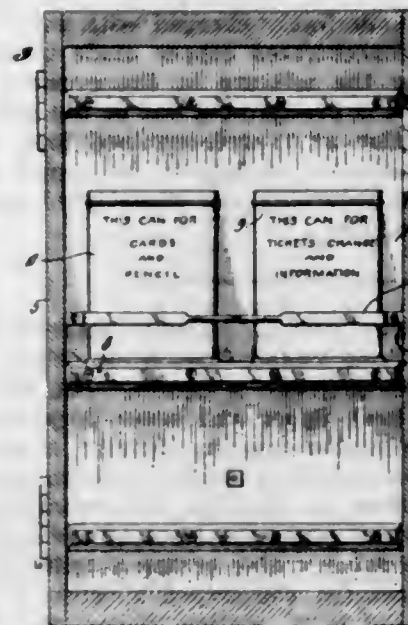
of the abutting portions of the bars, and clamping means for drawing the two plates together and fastening the contiguous ends of the bars together.

1,514,145. LOCOMOTIVE DRAFT APPLIANCE. VON GLOVER FERGUSON, Shreveport, La. Filed June 13, 1924. Serial No. 710,888. 2 Claims. (Cl. 162-6.)



1. The combination with a locomotive boiler provided with an end smoke chamber, exhaust nozzle and smoke stack in cooperative relation with the smoke chamber, a stand pipe connected with the exhaust nozzle and having its upper end disposed in discharge alignment with the smoke stack, of a hood connected to the smoke stack, said stand pipe extending into said hood, said stand pipe and said hood provided with openings, cylindrical closures rotatably mounted about said stand pipe and said hood, said closures provided with apertures, and means for rotating the closures to bring their apertures in registry with the openings or to move them out of registry with the openings of the stand pipe or the hood.

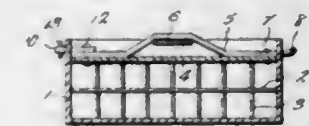
1,514,146. DEPOSIT AND COLLECTION RECEPTACLE. CHARLES F. FISCHER, Westington Springs, S. Dak. Filed Jan. 22, 1923. Serial No. 614,195. 1 Claim. (Cl. 232-41.)



In a deposit and collection receptacle, a box-like body portion having a hinged closure, a shelf secured to the inner surface of the hinged closure, a bar secured to the

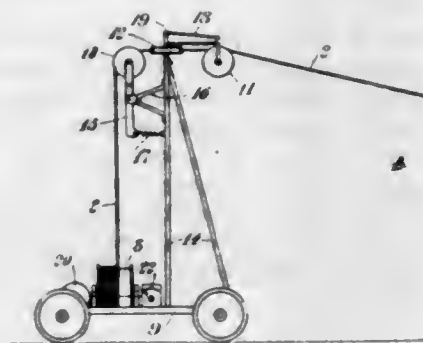
the inner surface of the hinged closure and arranged above the shelf, said bar having a central portion arranged in spaced relation with the inner surface of the hinged closure to accommodate receptacles between the bar and inner surface of the hinged closure, and means for normally holding the hinged closure in its closed position.

1,514,147. EGG CARRIER. EMMETT FISHER, Quincy, Ill. Filed Nov. 19, 1923. Serial No. 675,673. 2 Claims. (Cl. 229-15.)



1. In combination, a receptacle embodying a plurality of sides, a closure for said receptacle, a locking element disposed on said closure with one end piercing a side of the receptacle and the other end abutting another side of the receptacle, a bolt slidably mounted on the last mentioned end of the locking element adapted to pierce the last mentioned side of the receptacle, and means for holding the bolt extended through said last mentioned side of the receptacle.

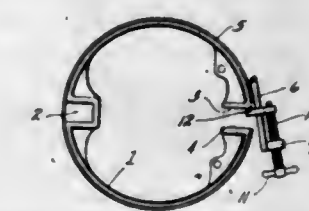
1,514,148. CURRENT SUPPLY SYSTEM FOR MOBILE ELECTRICAL MACHINES. NILS RICHARD FORSSBLAD, Vasteras, Sweden. Filed Oct. 23, 1922. Serial No. 596,521. 9 Claims. (Cl. 191-12.)



1. In a current supply system for agricultural tractors the combination of a cable drum mounted on the carriage of the machine, an insulated current supply cable, anchored at one end on the ground and arranged to be wound on and off said drum, a mast structure on said carriage, a guiding device for leading off the cable provided at the top of said mast structure and means for stretching the cable automatically during the movement of the tractor so as to keep the cable depending over the tractor and the agricultural implement attached thereto in every position of the tractor in relation to the cable.

2. In a system as claimed in claim 1, a guiding device for the cable comprising a number of guide pulleys with vertical axes arranged so as to allow the cable to be wound on and off one of them, when changing the direction of movement of the carriage.

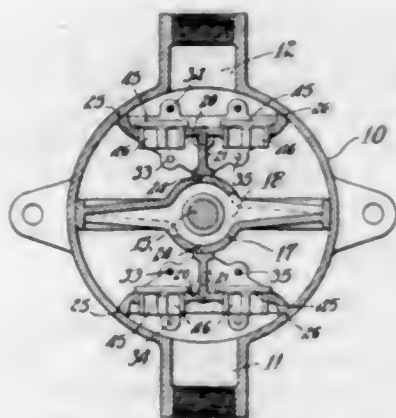
1,514,149. DEVICE FOR APPLYING BRAKE LININGS. CLAUDE FRIZZELL, Seattle, Wash. Filed July 7, 1923. Serial No. 650,037. 3 Claims. (Cl. 254-67.)



3. A device of the character described comprising an open rectangular frame having an internally threaded bearing at one end and a beveled face at its opposite end, a toothed plate secured to the beveled face, an abutment

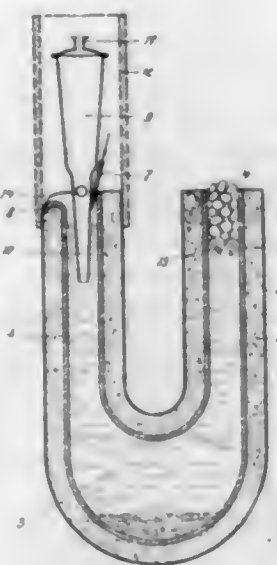
plate mounted within the said frame and adapted to slidably support the latter and having a smooth bearing thereon aligned with the first named bearing, a screw mounted in the internally threaded bearing and having a reduced inner end rotatably seated in the said smooth bearing, a pin extended through the said reduced end to hold the same within its bearing and a handle on the outer end of the screw.

1,514,150. OSCILLATING PISTON PUMP. JESSE B. GARDER, Salem, Ohio, assignor to The Denning Company, Salem, Ohio, a Corporation of Ohio. Filed Feb. 14, 1923. Serial No. 618,806. 7 Claims. (Cl. 103-145.)



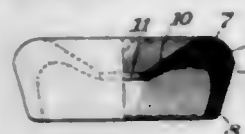
1. In a pump of the character described, the combination with a casing, of a piston therein, means for oscillating the piston within the casing, removable valve decks disposed on opposite sides of the piston and completely enclosed by the casing, each of said valve decks comprising a horizontally disposed wall and a vertically disposed partition wall, vertically disposed passageways extending through the horizontal wall and on opposite sides of the partition, and freely movable valves disposed within said passageways.

1,514,151. PROCESS FOR MELTING LIGHT METALS. HANS GARDEN, Berlin-Grunewald, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Berlin, Germany, a Corporation of Germany. Filed Dec. 5, 1922. Serial No. 605,100. 4 Claims. (Cl. 22-71.)



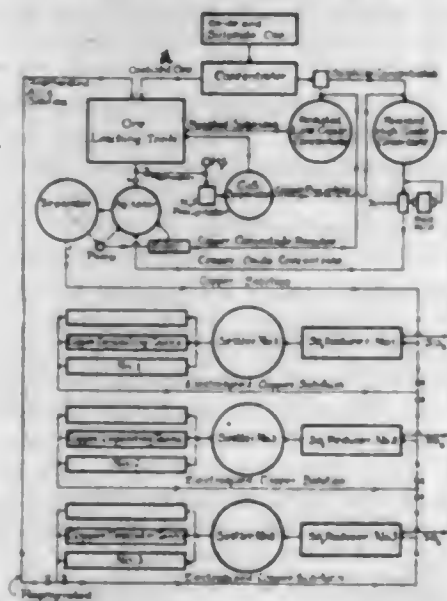
1. Process for continuously melting light metals, consisting in continuously supplying the mixture to be melted to the open shank of a heated U-shaped vessel of suitable height and drawing the molten mixture from the end of the other shank.

1,514,152. EAR CUSHION. HUGO GERNBACK, New York, N. Y. Filed Dec. 28, 1923. Serial No. 683,129. 2 Claims. (Cl. 179-182.)



1. An ear cushion for telephone receivers and the like comprising in its entirety a single piece of highly elastic sponge rubber having a thickened rim with an inwardly tapered perforated front wall to lie flat against the front face of the receiver cap and a tapered rearwardly extending flange to be stretched over the rim of the receiver cap, said flange being of initially truncated conical shape and adapted in the outward stretching of the same over the ear cap rim to be thinned out and to force the elastic porous material forwardly into the thickened rim portion of the pad.

1,514,153. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Apr. 7, 1923. Serial No. 630,635. 17 Claims. (Cl. 204-15.)

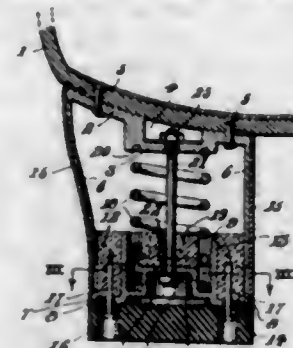


1. A metallurgical process comprising, treating oxidized ores of copper with an acid solution to extract the copper whereby iron is brought into solution as an impurity, separating the resulting copper solution from the ore, electrolyzing the copper solution to deposit the copper and regenerate acid, returning the regenerated acid solution to the ore and repeating the cycle until the solution becomes undesirably charged with salts of iron, then applying a concentrated copper oxide to the solution and agitating the mixture in the presence of air until sufficient iron is precipitated out of the solution to maintain the solution at a predetermined limit of iron, electrolyzing the solution to deposit the copper and regenerate acid, and returning the regenerated acid solution to the oxidized ore.

1,514,154. SPRING HEEL. ANTAL HAJDÖCKY and EMIL SAKACI, Long Island City, N. Y. Filed Feb. 7, 1924. Serial No. 601,195. 3 Claims. (Cl. 36-38.)

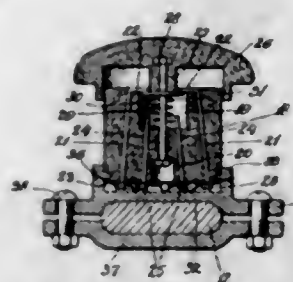
1. In a spring heel, upper and lower telescoping heel sections, a flexible leather covering therefor, a coil spring interposed between the heel section, means associated with the heel sections for limiting the separating movement thereof and the expansive force of the spring, the lower section embodying a disk having a cylindrical wall surrounding an inverted cup-shaped member, a cushion tread carried by the lower section, means for clamping the lower edge of the flexible heel covering between the disk and tread, the lower end of the spring being disposed between the cylindrical wall and cup-shaped mem-

ber, said movement limiting means including a screw rod having one end engaging the cup-shaped member, a protuberance depending from the upper heel section to



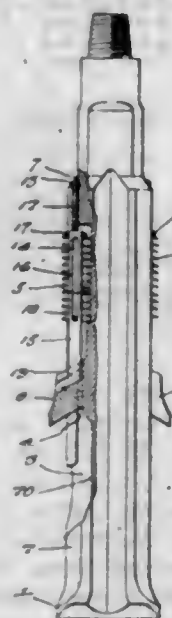
which the upper end of the screw rod is attached, and a guide block supported on the cup-shaped member through which the rod extends.

1,514,155. HEADLIGHT CONTROL. CHARLES W. HALL and HORATIO E. DE JARNETTE, Princeton, W. Va. Filed Mar. 2, 1921. Serial No. 449,143. 1 Claim. (Cl. 200-18.)



An electric switch including a body block provided with a recess, a pair of conductors extending through the block and provided with terminals overhanging the recess, a second pair of conductors extending through the block into the recess, a button having a boss movable into the recess, a pin extending through the recess slidably connecting the button with the block, a contact disc carried by said pin to coast with the boss, and a spring within the recess acting against said disc for sustaining the button and normally holding the disc in engagement with said terminals closing a circuit through the first pair of conductors, the button being movable for shifting the disc to engage the second pair of conductors for closing a circuit therethrough.

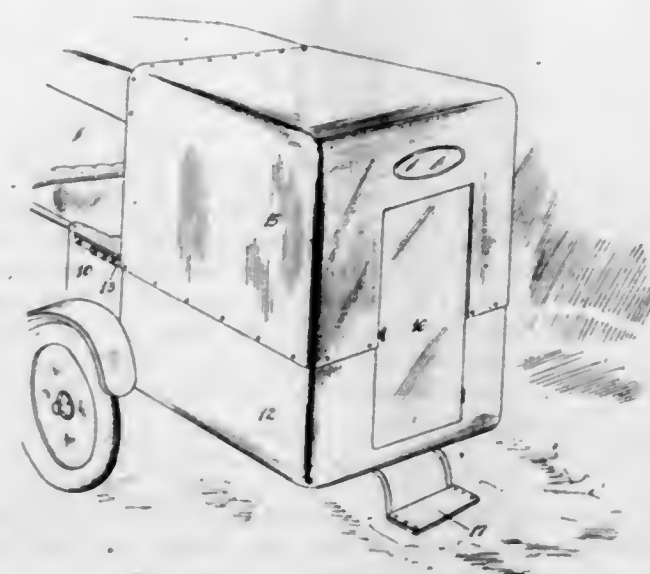
1,514,156. COMBINATION BIT AND UNDERREAMER. SCOTT HANCOCK, Shidler, Okla. Filed Apr. 25, 1924. Serial No. 708,957. 3 Claims. (Cl. 255-75.)



1. A combined drill bit and underreamer comprising a shank provided at its side with a longitudinally disposed recess having grooves in its opposite side walls, a reamer

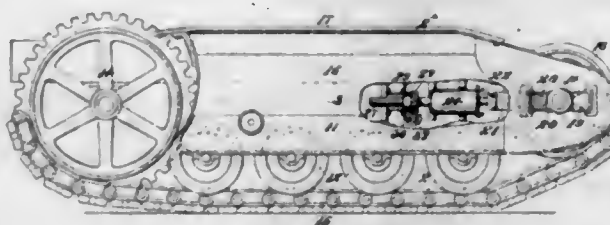
bit having at its opposite side flanges, which are slidably received in said grooves, a longitudinally extensible element consisting of overlapping bar sections connected at one end with the shank and at its other end with the reamer bit, and spring means engageable with the shank and adapted to normally hold the flanges of the reamer bit against the end walls of the grooves in the shanks.

1,514,157. TOILET FOR MOTOR VEHICLES. WILLIAM ARTHUR HARDING, Mullen, Nebr. Filed May 25, 1921. Serial No. 472,335. 2 Claims. (Cl. 296-23.)



1. An attachment for motor vehicles comprising a bottom frame including attaching bars rigidly secured to the sides of a motor vehicle, a housing including a bottom portion and upstanding end and side walls integral with said bottom and defining a trough shaped body with open top, said side walls being secured to said bars, reinforcing bars firmly united with the top edges of the rear and side walls and rigidly secured to the sides of the motor vehicle, a detachable top covering of fabric material for the housing, and means for securing the edges of said top to the vehicle top and to the housing walls respectively.

1,514,158. DOUBLE-SPRING YOKE ADJUSTMENT. PLYM E. HOLT, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Sept. 3, 1919. Serial No. 321,436. 4 Claims. (Cl. 64-52.)



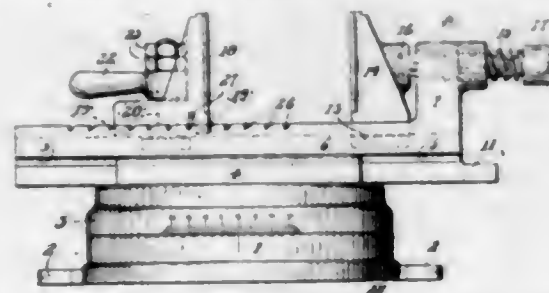
1. In a tractor truck mechanism, the combination with the truck frame having spaced side members, a rear sprocket wheel, a front idler sprocket movably mounted in the frame and a flexible track tread pressing around the sprocket wheel and idler sprocket, of a yielding thrust support for advancing the idler sprocket and holding the track tread under tension, comprising a shaft in rear of the idler sprocket with means for adjusting the shaft longitudinally toward and from the idler sprocket, a thrust yoke having its arms extended on opposite sides of the idler sprocket and supporting the bearings of the idler sprocket against rearward movement and at its rear end supported by the adjustable shaft and compression spring supporting means interposed between the idler sprocket bearings and the shaft.

1,514,159. STOVE ATTACHMENT. ALBERT ERNEST JAMES, Natchez, Miss. Filed Feb. 26, 1924. Serial No. 695,318. 3 Claims. (Cl. 138—36.)



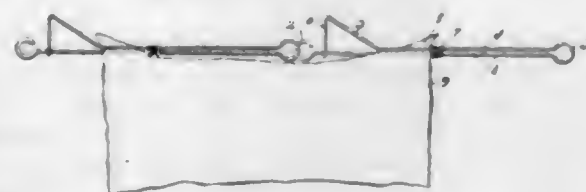
1. An attachment for oil stoves adapted to be screwed upon the outer free end of the feed pipe of an oil stove and comprising a T-joint having a threaded connection adapted to receive the threads on the end of the feed pipe, pipes extending vertically in opposite directions from the T, a cap for closing the outer free end of one pipe, and a container adapted to be secured to the outer free end of the other pipe.

1,514,160. UNIVERSAL MACHINE VISE. ENOS H. JOHNSON, Los Angeles, Calif. Filed Apr. 18, 1923. Serial No. 632,977. 10 Claims. (Cl. 90—60.)



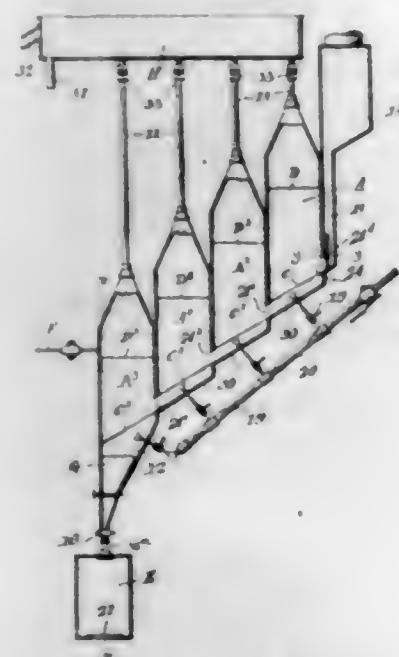
1. In a vise of the class described, a base unit, a sub-base unit rotatably secured thereto, means for locking said units in any adjusted position, a vise jaw carriage slidably associated with the sub-base unit, means for retaining said carriage in any adjusted position, a screw adjusted jaw slidably associated with said carriage, a quickly adjustable jaw associated with said carriage and adapted to coact with the first mentioned jaw, and means for clamping the last mentioned jaw to said carriage to retain it in adjusted position.

1,514,161. CLOTHESLINE. LESLIE H. JUSTICE, McMinnville, Tenn., assignor of one-half to Will F. Story, Jr., Sparta, Tenn. Filed Aug. 28, 1922. Serial No. 584,830. 1 Claim. (Cl. 68—3.)



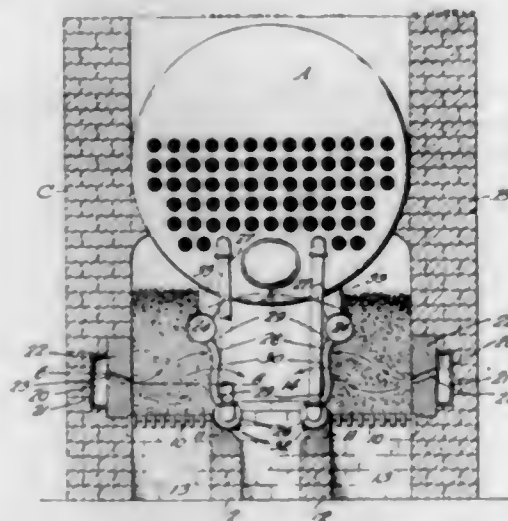
As a new article of manufacture, a link of a clothesline including an arm, a second arm formed on the first arm and extending in the same general direction therewith, the free end of the second arm provided with an extension diverging from the first arm, a hook loop formed on the free end of the extension to be engageable with the first arm, a hook formed on the end of the first arm, and a loop formed at the connection of the two arms.

1,514,162. APPARATUS FOR RECOVERING BITUMEN AND CRUDE OIL FROM TAR SAND, OIL SAND, BITUMINOUS SANDSTONE, SHALES, AND THE LIKE. ALEXANDER FRANCIS KELSEY, Edmonton, Alberta, Canada. Filed July 18, 1921. Serial No. 485,484. 5 Claims. (Cl. 196—14.)



1. An apparatus for the purpose specified comprising a separating container having an overflow conduit, a waste conduit connected to the bottom of the said container, means for feeding material into the side of the container, a screen in the lower part of the container, means for heating the material in the container, means for maintaining a flow of water through the container, and means for feeding material from the waste conduit, the said means comprising a pivoted shutter, a compartment and valved conduits leading from the shutter to the said compartment.

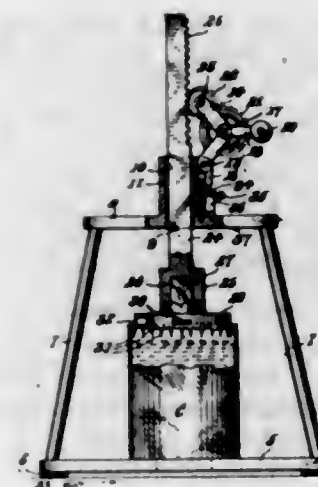
1,514,163. BOILER FURNACE. GEORGE S. KENT, Buffalo, N. Y. Filed Apr. 2, 1921. Serial No. 458,067. 3 Claims. (Cl. 122—373.)



1. In a boiler furnace the combination with a boiler of a pair of oppositely arranged upper water drums, spaced from the sides of the furnace and being in communication with said boiler, a pair of oppositely arranged lower drums spaced from the sides of the furnace and from said upper drums, the distance between the lower drums being less than that between the upper drums to stagger the said upper and lower drums, and a plurality of relatively resilient sinuous tubes connecting the upper water drum at each side of the furnace with the lower drum at that side and having substantially parallel end portions extending substantially radially of and into

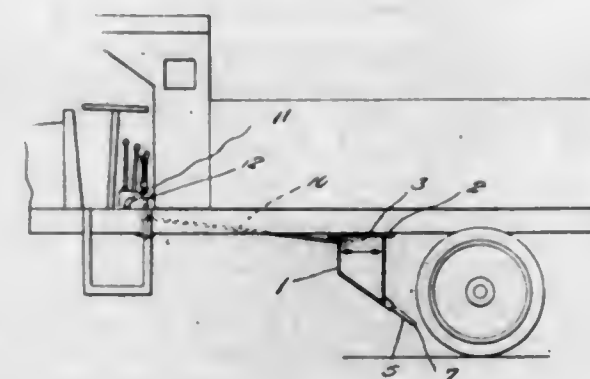
said drums through openings therein and being placed in operative position by first placing one end of the tube into the corresponding opening in the drum, then turning said tube to place the other end into registration with an opening in the other drum and moving the tube lengthwise to place said other end into said drum, the intermediate portion of the tubes being bent to form a fuel supporting hump a short distance above the bottom grate and curved inwardly towards the center of the furnace above the hump to form a concave fuel receiving portion, the hump and the concave fuel receiving portion being adapted to support the fuel firmly while ashes are being removed from the bottom grate below the hump.

1,514,164. CAN OPENER. MIKE LUTENBERGER, Blocton, Ala. Filed July 12, 1923. Serial No. 651,057. 1 Claim. (Cl. 74—27.)



In a can opener of the class described, a support, a tubular boss carried by said support, a rack bar slidably positioned within the bore of said boss, spaced bell crank levers pivotally carried by the tubular boss, a train of gears carried by the bell crank levers adapted for engaging and disengaging a rack bar for operating the same, means for operating the train of gears, and means carried by the tubular boss and support for retaining the train of gears in their operative or inoperative positions.

1,514,165. WHEEL-SANDING DEVICE. HERBERT W. MESSINGER, Midwest, Wyo. Filed July 7, 1924. Serial No. 724,646. 2 Claims. (Cl. 291—34.)



1. A sand dispensing device comprising a container having an inclined bottom, a discharge spout, a slide valve closing the inner end of said spout, a vertically disposed operating link connected with said valve, a transverse shaft rotatably mounted in said container, a plurality of arms radiating from said shaft, one of said arms being connected with said link for operating the valve, and means for rotating said shaft.

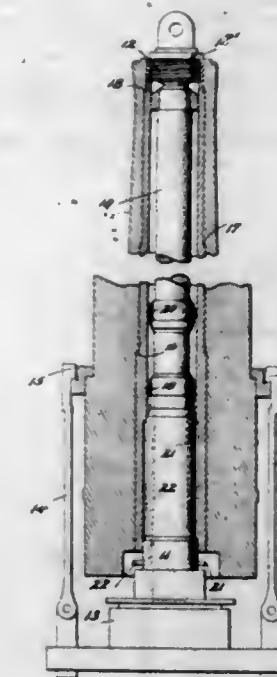
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1,514,166. METHOD OF ASSEMBLING TUBES AND LINERS IN GUN MANUFACTURE. REES C. MORGAN and JOHN F. PELLY, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1922. Serial No. 528,572. 11 Claims. (Cl. 29—1.11.)



6. A method of assembling tubes and liners consisting in expanding by heat a tube having an internal rearwardly facing shoulder, placing it, in expanded condition, over a liner having a corresponding forwardly facing external shoulder, applying oppositely directed forces on said tube and liner respectively whereby said corresponding shoulders are seated and the portion of said liner between its shoulder and muzzle end placed under tension, and shrinking said tube on the liner while said liner remains under tension.

1,514,167. METHOD OF ASSEMBLING TUBES AND LINERS IN GUN MANUFACTURE. REES C. MORGAN and JOHN F. PELLY, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1922. Serial No. 528,573. 10 Claims. (Cl. 29—1.11.)



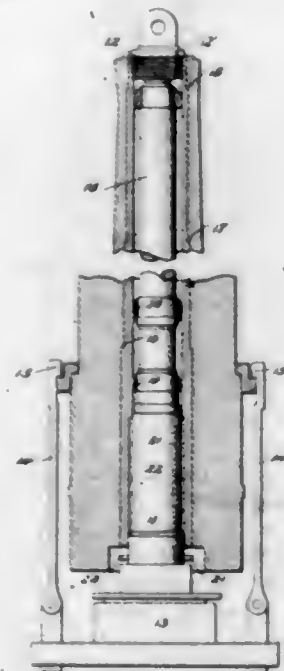
5. A method of assembling a tube and liner, said tube being thicker at one end than at the other, consisting in expanding the tube by heat, in placing the tube around the liner, and in expanding a section of the liner in the vicinity of the thick end of the tube by applying heat internally of the liner while at the same time allowing the tube to cool.

1,514,168. APPARATUS FOR ASSEMBLING TUBES AND LINERS IN GUN CONSTRUCTION. REES C. MORGAN and JOHN F. PELLY, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1922. Serial No. 528,574. 6 Claims. (Cl. 29—1.11.)



6. In apparatus for assembling a liner and a gun tube having cooperating abutment means near the breech end to prevent movement of the liner as a whole with respect to the tube in a muzzle-end direction when the latter is placed around the liner; means for preventing shortening of the liner while the tube is being shrunk thereon comprising a column member extending through the liner, means carried by the column member for attachment to the muzzle end of the liner, an abutment ring adapted to pass over the muzzle end of the tube and to rest against a shoulder on the latter near the breech end, said abutment ring having exterior hook engaging means, power means connected to the column member and extending beyond the breech end of the tube and liner, and swingable hooks carried by the power means for engagement with the hook engaging means of said abutment ring.

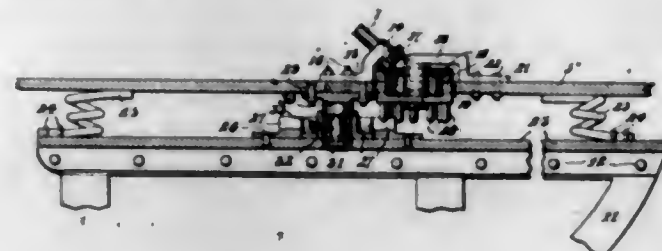
1,514,169. APPARATUS FOR ASSEMBLING TUBES AND LINERS IN GUN CONSTRUCTION. REES C. MORGAN and JOHN F. PELLY, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1922. Serial No. 528,575. Renewed Sept. 22, 1924. 11 Claims. (Cl. 29—1.11.)



11. In apparatus for assembling tubes and liners, in combination, means including a shaft adapted to be inserted into the bore of a liner for preventing longitudi-

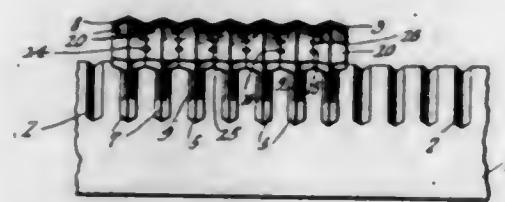
nal contraction of the liner during assembly, spaced rings on said shaft forming, with the inner wall of the liner and the surface of the shaft, an annular heating chamber, and conduits for conducting heating fluid to and from said chamber, for the purpose set forth.

1,514,170. MOTOR SLEIGH. MARTIN NEWDANA, Tonopah, Nev. Filed July 12, 1923. Serial No. 651,054. 2 Claims. (Cl. 180—3.)



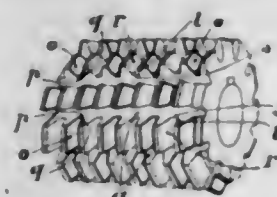
1. In combination with a motor sleigh, having a movable sled for steering purposes, steering mechanism carried by said sleigh and sled comprising a steering rod carrying a bevel gear, a compound bevel gear and pin wheel carried by said sleigh, said bevel gear engaging said first mentioned bevel gear, means carried by said sled for engagement with said pin wheel, and means associated with said sleigh and said first mentioned means for providing a loose connection between the two.

1,514,171. PINHOLE GRATE BAR. JOHN L. NUTE, Chambersburg, Pa., assignor to Nute, McGehee, Geary Company, Inc., Chambersburg, Pa. Filed June 21, 1922. Serial No. 569,810. 1 Claim. (Cl. 126—168.)



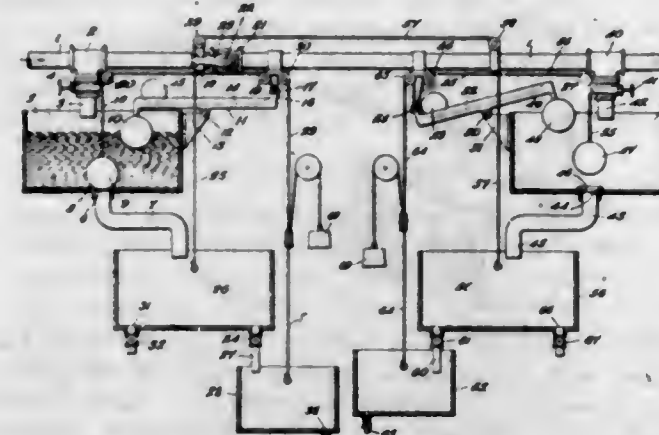
A cap piece for a grate bar, comprising a bifurcated body and a head surmounting the body, the head being provided with notches in its opposite edges, the fuel-receiving surface of the head slanting in opposite directions toward the notches, thereby to form approximately V-shaped undulations when the heads of adjacent cap pieces are in abutment, the notches in the heads of adjacent cap pieces defining openings located in the lowermost portions of the undulations.

1,514,172. WORM HOB FOR GEAR CUTTING. MARCEL ULYSSE RAMSAY and DESIRÉ MARIE MÖGLEN, Bois-Colombes, France. Filed Apr. 18, 1922. Serial No. 555,293. 3 Claims. (Cl. 29—103.)



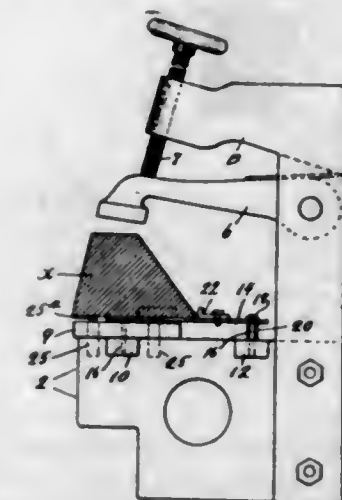
1. A worm hob for gear cutting comprising a core having a screwthread formed thereon, an odd number of longitudinal grooves being cut through the screwthread, in order to divide the same into longitudinal rows of teeth, every second recess between two adjacent teeth in each row having its side walls ground to the exact dimension required and the other alternating recesses in the row having their side walls ground to a greater depth than that corresponding to said dimension.

1,514,173. WATER-DISTRIBUTION SYSTEM. FRANK ROMAN, Freeland, Pa. Filed Jan. 31, 1923. Serial No. 616,116. 10 Claims. (Cl. 137—78.)



1. In an apparatus of the class described, a fluid main; a main valve for controlling the discharge of fluid from said main; a receptacle arranged on the supply side of said valve to receive fluid from said main; a second valve for controlling passage of fluid from said main to said receptacle; a second receptacle; valve controlled connections for transferring fluid from said first to said second receptacle; connections between said second receptacle and said main valve whereby movement of said receptacle will open said valve; means for discharging fluid from said second receptacle; and means for automatically closing said main valve when said second receptacle is empty.

1,514,174. WOOD-HEEL-BLANK HOLDER. HARLEY W. RUSS, Haverhill, Mass. Filed Oct. 12, 1922. Serial No. 594,115. 6 Claims. (Cl. 12—125.)

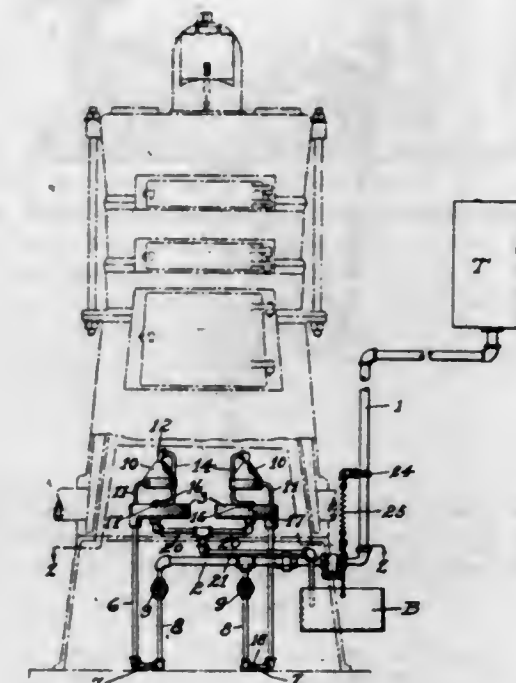


1. A wood heel blank holder comprising an upwardly facing clamp member having a pair of upwardly projecting pins constructed and arranged to form positioning recesses in the blank as it is clamped on said member, a vertically movable table horizontally disposed over said member adjacent said pins and having a blank-supporting face on its upper side, yieldable means for sustaining said table with its face adjacent the level of the upper ends of said pins and means extending above said face to hold the blank thereon in position to permit the pins to penetrate the same at predetermined points as the blank is clamped.

1,514,175. OIL BURNER. FREDERICK W. SCHIFFELE, Audubon, N. J. Filed Sept. 15, 1923. Serial No. 602,864. 3 Claims. (Cl. 158—63.)

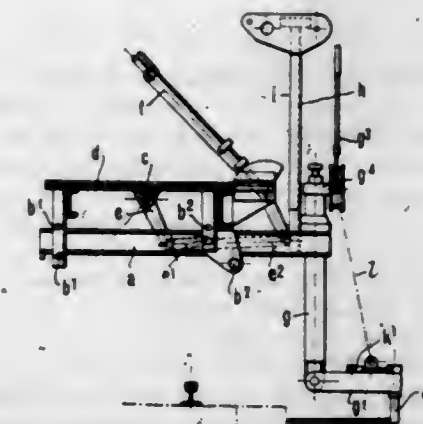
1. An oil burner comprising a pan, a hollow member positioned above the pan, said member being conical in form with its apex upwardly disposed, a pipe connected to the pan and member and in communication with the lower portion of the member, said pipe maintaining

the member in applied position with respect to the pan, said pipe being adapted for communication with a source of fuel supply, a second pipe leading from the apex of the member and in communication therewith and having



its free end portion terminating between the member and pan, and a burner carried by said free end portion of the last named pipe, said pan below the burner being provided with a cup.

1,514,176. RAILROAD-TRACK-WEEDING MACHINE. AUGUSTE SCHEUCHZER, Renens, near Lausanne, Switzerland, assignor to Ferrodiesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Filed July 31, 1923. Serial No. 654,939. 2 Claims. (Cl. 104—279.)

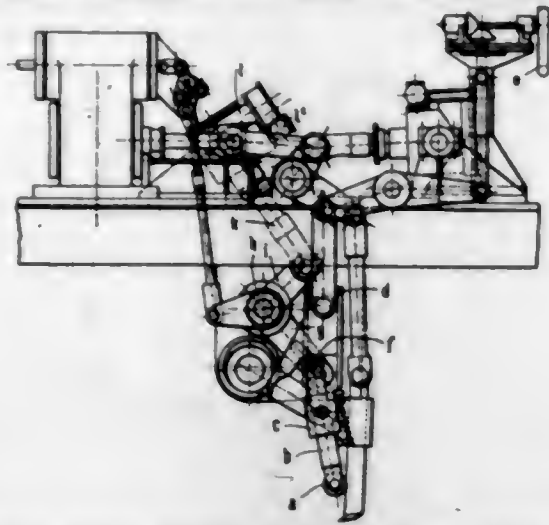


1. In a railroad-track weeding machine and in combination a truck, a transverse slide provided thereon and extending sideways to the outside of the truck, a vertical spindle mounted rotatably at the end of said slide, an arm hinged to the lower end of this spindle, a crank-lever carrying a tool blade and adapted to swing in a horizontal plane at the end of this arm and means for exerting a resilient forward pull on said crank lever, so as to cause the blade to attack the ballast substantially as shown and described.

1,514,177. RAILROAD-TRACK-WEEDING MACHINE. AUGUSTE SCHEUCHZER, Renens, near Lausanne, Switzerland, assignor to Ferrodiesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Filed May 5, 1924. Serial No. 711,300. 3 Claims. (Cl. 37—105.)

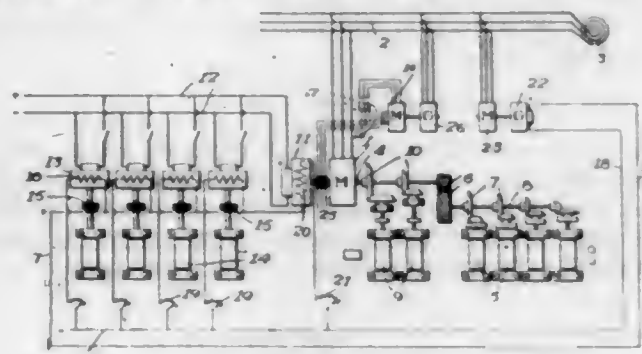
1. In a railroad track weeding machine having knives operated by a servo motor which is controlled by a test

roller dragged through the ballast and in combination, an auxiliary pneumatic cylinder, a compressed air cushion formed underneath the piston of said cylinder and



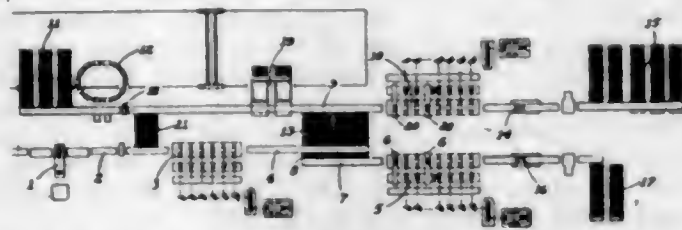
mechanical means adapted to establish the working connection between the test roller and said piston so as to maintain said roller resiliently in the ballast.

1,514,178. ROLLING-MILL DRIVE. JOHN W. SHEPHERDSON, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 2, 1919. Serial No. 328,059. 7 Claims. (Cl. 80-35.)



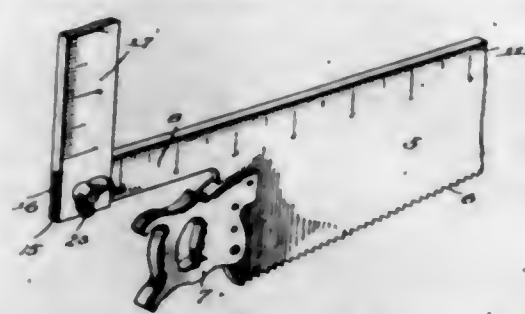
7. A hot mill for rolling metal including a plurality of roughing-roll stands and a plurality of finishing-roll stands, a common motor driving the rolls of the several roughing-roll stands, a plurality of motors corresponding in number with the finishing-roll stands and connected operatively, one to each of said finishing-roll stands, and means for operating all of said motors from a common source of power, the fluctuations of which affect all of the driven units equally.

1,514,179. ROLLING MILL. JOHN W. SHEPHERDSON, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1922. Serial No. 557,017. 6 Claims. (Cl. 80-311.)



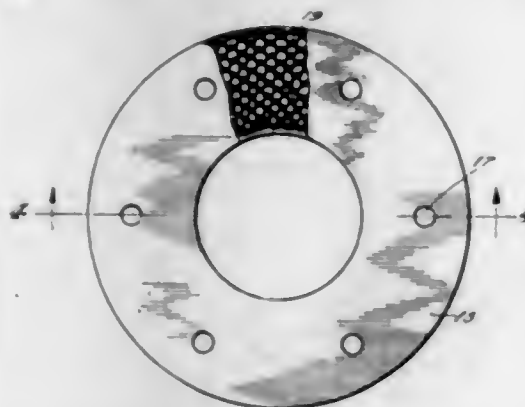
8. In apparatus of the class described, a reducing roll train, a longitudinal conveying mechanism adapted to deliver material thereto, a heating device adapted to deliver material to said longitudinal conveying mechanism, and means for delivering material broadside to said longitudinal conveying mechanism intermediate said roll train and said heating device, whereby to permit reheating of said material prior to its reduction by said roll train.

1,514,180. COMBINATION SAW AND SQUARE. WILLIAM A. SPITLER, Kansas City, Mo. Filed July 21, 1923. Serial No. 652,952. 1 claim. (Cl. 7-13.)



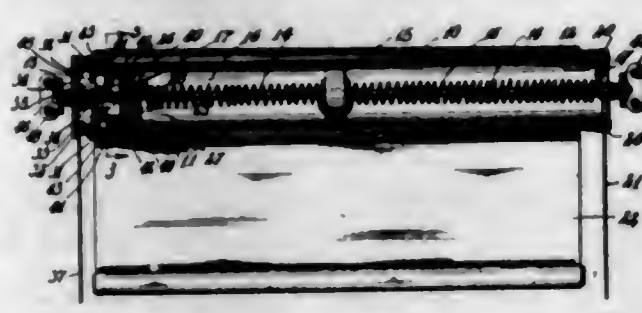
The combination of a branch having its rear end provided with an extension having a reduced portion defining shoulders, a handle connected to said branch beneath said extension and in spaced relation thereto, said extension terminating rearwardly of said handle and constituting a guard for protecting the operator's hand engaged with the handle, a second branch having a transverse groove receiving the reduced portion of said extension, means detachably connecting the adjacent portions of said first and second-named branches, said shoulders being flatly engaged with the adjacent edge of one of the branches and the upper edge of said reduced extension being flatly engaged with the inner end wall of said groove, whereby to hold the branches at right angles to each other, said branches having their edges formed with calibrations.

1,514,181. UNIVERSAL JOINT. FRANK H. STANWOOD, Wilmette, Ill., assignor to Stanwood Equipment Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 30, 1921. Serial No. 465,815. 1 Claim. (Cl. 64-96.)



A flexible ring for joints of the universal type, comprising a plurality of plies of knitted strands passing around and interlocking one with another and embedded within a vulcanized perforated body, whereby the loops of said strands are adapted to resist and compensate for strains applied to the perforations in said body.

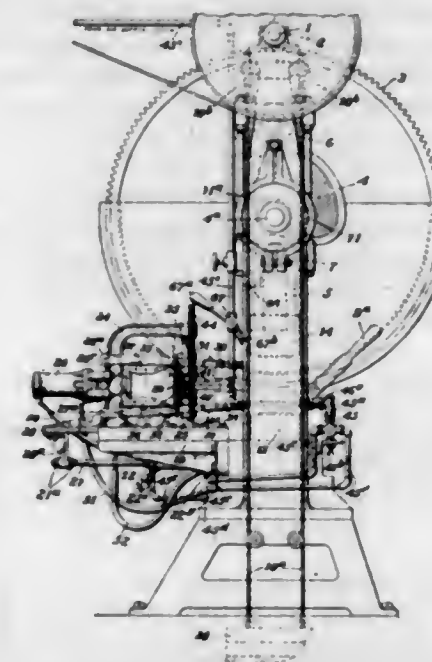
1,514,182. WINDOW-SHADE ROLLER. JOHN STEC, Wapwallopen, Pa. Filed Mar. 9, 1923. Serial No. 623,912. 3 Claims. (Cl. 156-36.)



1. A window shade roller comprising a cylinder, a fixed shaft on which said cylinder is rotatably mounted, a spring in said cylinder adapted to urge it to rotate in

one direction, and a manually releasable clutch element adapted to hold said cylinder against rotation under the influence of said spring, said clutch element comprising a pair of disks in said cylinder adapted to frictionally engage one another, a ratchet and pawl connection between one of said disks and the said cylinder, pins adapted to pass through registering apertures in the said disks to lock the latter to one another, levers connected to said pins, and means for operating said levers.

1,514,183. MACHINE FOR MAKING HOLLOW RUBBER ARTICLES. CHARLES W. STEELE and RICHARD T. GRIFFITHS, Akron, Ohio, assignors to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 19, 1922. Serial No. 569,493. 53 Claims. (Cl. 18-19.)



26. The combination with a press having cavities and having operating means, of a carriage mounted to move towards and from said press, means for moving said carriage, a pair of vertically movable levers fulcrumed on said carriage and carrying clamping members, a pair of vertically movable shaping devices supported from said carriage, a fluid pressure motive element mounted on said carriage, and cam devices operated by said element for actuating said levers and shaping devices.

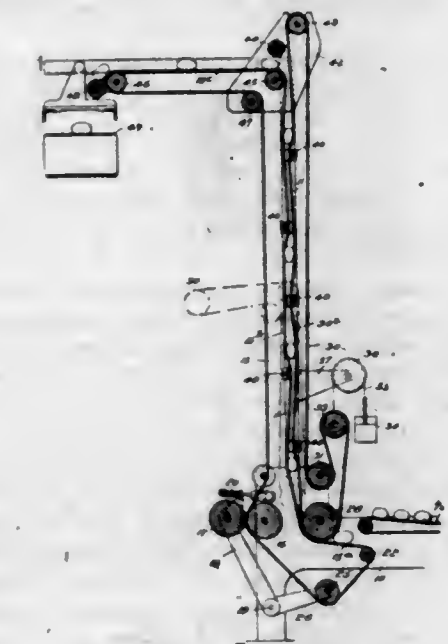
1,514,184. MONOGRAM DEVICE. ROBERT E. TAYLOR and FRANCIS D. AMMEN, St. Louis, Mo. Filed July 3, 1922. Serial No. 572,509. 2 Claims. (Cl. 40-143.)



1. In a monogram device to be fastened on the face of a support, the combination of a diamond shaped backplate having a row of slots extending along each edge thereof, a plurality of letters formed of sheet metal, the elements of the letters being of channel form with their

concave side disposed toward the plate, said letters being of at least three different types for position, respectively, at the center and ends of the plate, and so shaped that the lateral lines of projection of the letters of a monogram will be parallel with the edges of said plate, and so proportioned that when applied to the face of the plate, the upper edges of the letters will substantially coincide with the slots extending near the upper edges of the plate, and the lower edges of the letters will substantially coincide with the lines of slots adjacent the lower edges of the plate, the material of said letters having integral spurs bent at right angles to the plane of the body of the letters to lie flush with the edge thereof at the point of attachment and extending through some of the slots and securing the letters on the face of said plate, the channel form of the elements of said letters operating to stiffen the same and enable projecting portions of the letters remote from the spurs, to maintain themselves rigidly in a fixed position and substantially against the face of the plate.

1,514,185. DOUGH ELEVATOR. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 555,520. 5 Claims. (Cl. 198-165.)



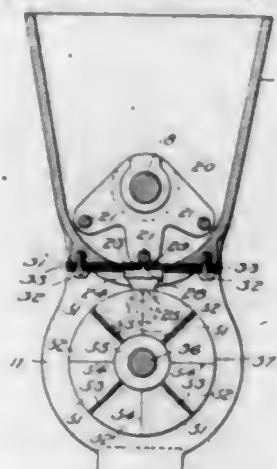
1. In a dough elevator, an endless belt having a receiving reach and an elevating reach, a cooperating endless belt having an elevating reach substantially in contact with the elevating reach of the first mentioned belt when the elevator is empty, spaced girts positioned alternately on opposite sides of said elevating reaches, gravity controlled means for one of said endless belts for exerting a uniform tension thereon, and a weighted roll supported by a bight in the receiving belt in proximity to the receiving reach of said belt to hold said reach taut.

3. In a dough elevator, a plurality of belts each having an elevating reach and one of said belts having in addition a horizontal discharge reach, a stripping roll located in proximity to the elevating reach of one of said belts and above the discharge reach of the other of said belts, and means for driving said stripping roll at a surface speed greater than the surface speed of either of said belts.

1,514,186. FLOUR DUSTER. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Aug. 18, 1923. Serial No. 658,143. 4 Claims. (Cl. 107-7.)

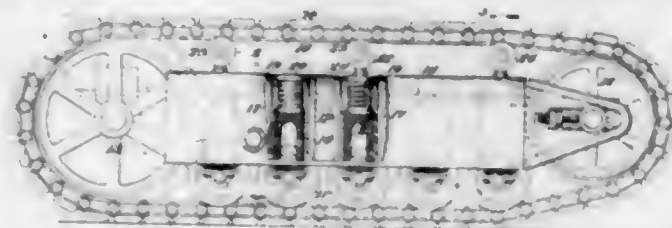
1. In a flour duster, a trough having a plurality of holes in the bottom thereof, an agitator within the

trough, a rotating shaft beneath the holes in the trough, and a plurality of spreaders on said shaft each of said spreaders having a plurality of angularly disposed fan



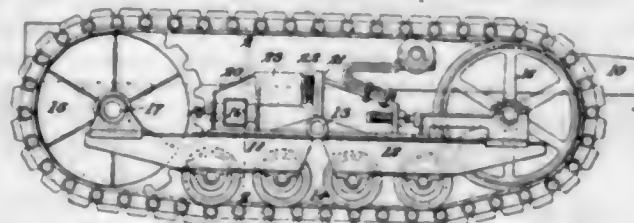
blades acting to divert the streams of flour from the trough first in one direction and then in opposite direction.

1,514,187. **SPRING-MOUNTED TRUCK AND CARRIER ROLLERS.** ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Sept. 3, 1919. Serial No. 321,396. 2 Claims. (Cl. 305-9.)



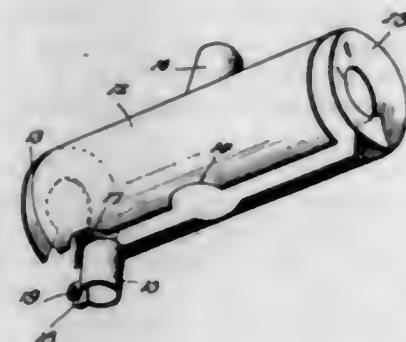
1. In a tractor truck mechanism of the self-laying track type, a truck frame formed in the shape of an inverted U, a series of supporting rollers for the truck frame, a yoke for each roller slidably mounted between the side plates of the truck frame and movable vertically therein, a spring interposed between the top of the truck frame and the transverse portion of the yoke for supporting said truck frame yieldingly upon the rollers, a series of rollers for supporting the upper run of the track, a support for each roller extending downwardly through the top of the truck frame and slidable therein, and a spring for said slidable support arranged within one of the first-mentioned springs and acting upon said support to press the latter upwardly, whereby to exert a yielding force against the upper run of the track and maintain the latter taut.

1,514,188. **TRACTOR-FRAME SUSPENSION.** ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Sept. 29, 1919. Serial No. 327,286. 3 Claims. (Cl. 305-9.)



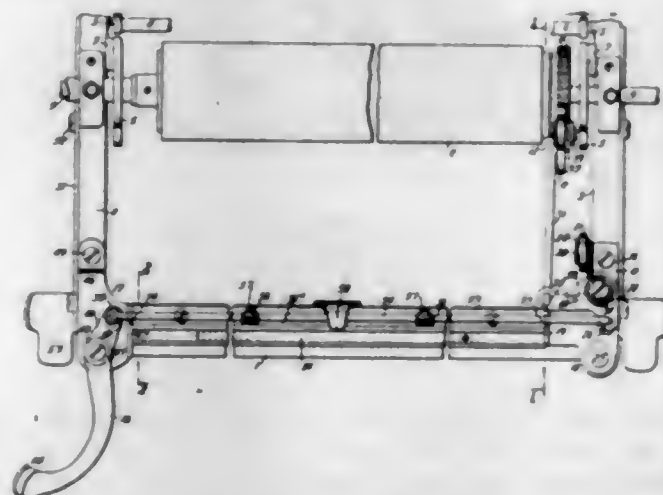
1. In a vehicle, a main frame, a truck mechanism at each side thereof comprising hinged roller truck sections, an idler wheel on the front section, a driving sprocket wheel on the rear section, said driving sprocket wheel having a shaft journaled on the main frame and on the rear truck section, load-supporting means centrally connected to the main-frame having a single point of connection with each truck mechanism located on the rear truck section and spring means interposed between the two truck sections to distribute the load.

1,514,189. **INTAKE-MANIFOLD HEATER.** WILLIAM A. YOUNG and GEORGE R. MOORE, Medford, Oreg. Filed Apr. 20, 1921, Serial No. 462,782. Renewed Nov. 7, 1923. 3 Claims. (Cl. 257-241.)



1. An intake manifold heater including a split resilient jacket adapted to be sprung over the manifold, and end members each secured for a portion of the length of the outer edge thereof to the jacket, the end members constituting closures for the jacket.

1,514,190. **TYPEWRITING MACHINE.** EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 605,754. 13 Claims. (Cl. 197-114.)

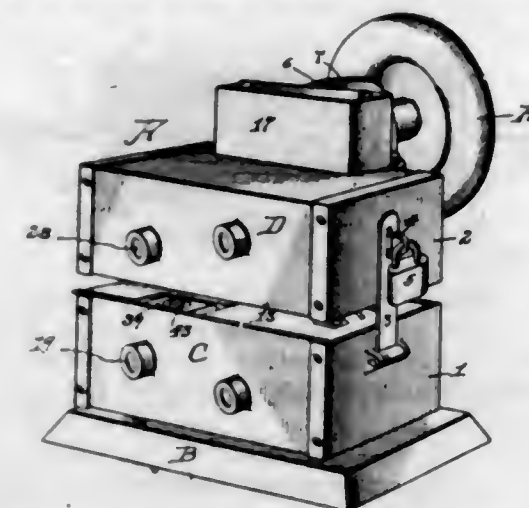


1. In a typewriting machine, the combination of a carriage, a platen mounted thereon, a line spacing ratchet wheel arranged at one end of the platen and operatively connected thereto, a line spacing pawl arranged adjacent to said ratchet wheel at the same end of the platen, a line spacing handle mounted on said carriage near the opposite end of the platen, positively attached connections constantly connecting said handle with said pawl and a single spring for controlling said pawl, said handle, and said connections.

1,514,191. **COUNTING AND EMBOSING MACHINE.** JOHN HENRY BARTELS, Chicago, Ill. Filed Jan. 18, 1924. Serial No. 686,979. 5 Claims. (Cl. 101-18.)

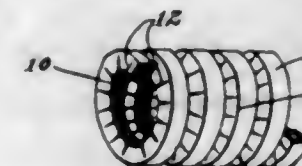
1. In a machine of the class described, a frame, a pair of vertically disposed, separated guide rods on said frame, a rotatable operating shaft journaled in the upper part of said frame, an upper housing movably mounted upon said guide rods, a plurality of elements constituting a complete counting unit rotatably mounted in each housing, adapted for cooperative action to emboss a sheet or ballot inserted therebetween, a rotatable disc provided with pins operatively connected to operate the counting unit in each head, a member fixedly mounted on the lower housing and projecting into the upper housing, a spring pressed pawl pivotally mounted on said member to operatively engage the pins on the rotatable disc of

the movable housing, a second member fixedly mounted on the movable housing and projecting into the fixed housing, a spring pressed, hooked pawl pivotally mount-



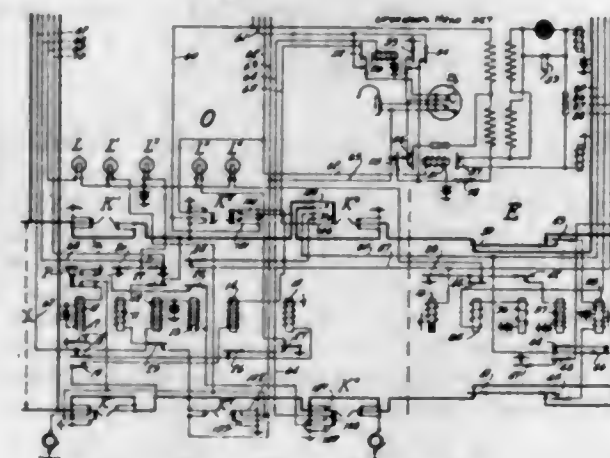
ed on said second member to operatively engage the pins on the rotatable disc of the fixed housing, and means for giving the movable housing a reciprocation upon the rotation of the operating shaft.

1,514,192. **PISTON-ROD PACKING.** GEORGE H. BAUSMAN, Baltimore, Md. Filed Jan. 15, 1924. Serial No. 686,280. 3 Claims. (Cl. 154-45.5.)



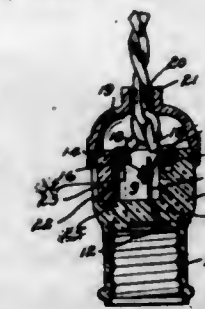
3. A packing in the form of a helix and consisting of an elongated metal casing of channel-shaped cross-section having a non-metallic packing therein exposed between the edges of the channel, the edges of the channel being thickened and tapered internally, and the sides and edges of the channel being slotted.

1,514,193. **AUTOMATIC TELEPHONE SYSTEM.** WILLIAM A. BENSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1921. Serial No. 487,802. 7 Claims. (Cl. 179-27.)



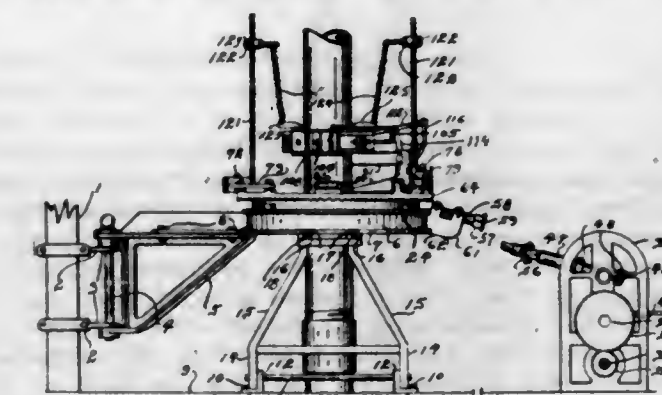
1. In a telephone system, an operator's switchboard, toll lines and local trunk lines terminating at said switchboard, a group of link circuits for connecting said toll lines and local trunk lines, each link circuit being adapted to connect only a particular one of said toll lines with a particular one of said local trunk lines, and a second group of link circuits for connecting said toll lines and local trunk lines, each link circuit of the second group being adapted to connect any toll line with any local trunk line.

1,514,194. **SOCKET.** JASPER BLACKBURN, St. Louis, Mo. Filed Dec. 27, 1920. Serial No. 433,162. 1 Claim. (Cl. 173-346.)



A socket comprising a body of insulating material having a central recess formed in its upper end and a portion of the wall surrounding said recess removed so as to form a gap, one vertical edge of said gap provided with a tongue, the other with a semi-circular recess, an arcuate insert adapted to fit within said gap, said gap provided on one edge with a groove to engage with said tongue, its opposite edge with a groove adapted to come in alignment with the semi-circular recess, a centrally located spring contact molded in said body, its one end extending into the central recess, a screw threaded metallic socket molded in the lower end of said body of insulating material and surrounding the lower end of the spring contact, an L-shaped projection formed integral with said screw threaded socket and extending through the upper end of said body of insulating material, a binding screw carried by said projection, a contact having a binding screw carried by the upper portion of the body of insulating material, and adapted to be contacted with by the spring contact, a switch key for operating the spring contact, a disk carried by the switch key adapted to enter the semi-circular recess and the groove in alignment therewith for holding said key in position, and a cap adapted to be secured over the upper end of the body of insulating material for holding the insert in position and preventing accidental contact with the binding screws.

1,514,195. **CASING AND PIPE MACHINE.** ARTHUR H. BRANDON, Toledo, Ohio, assignor, by mesne assignments, to The Deep Well Engineering Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 21, 1922. Serial No. 545,546. 28 Claims. (Cl. 255-35.)

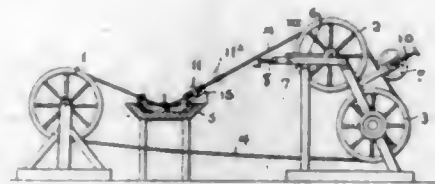


1. A rotation drive device embodying a frame, a swingable support therefor, means for anchoring the frame against swinging, an actuator carried by the frame, and a work engager held to rotate with the actuator.

1,514,196. **PROCESS FOR THE MANUFACTURE OF CANDLES, TAPERS, AND THE LIKE AND TO AN APPARATUS FOR CARRYING OUT SUCH PROCESS.** EUGEN BUIAN, Hlohovec, Czechoslovakia, assignor to Naamlooze Vennootschap Koninklijke Stearine Kaarsenfabriek "Gouda," Gouda, Netherlands. Filed Jan. 29, 1924. Serial No. 689,361. 8 Claims. (Cl. 18-24.)

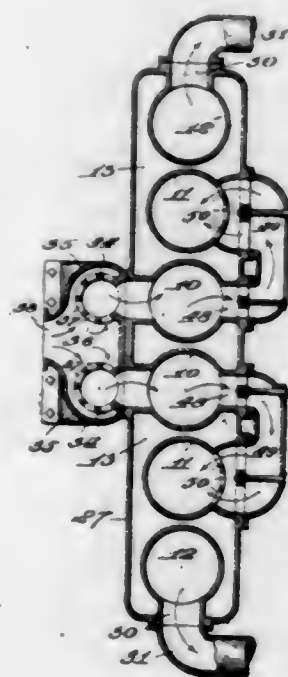
1. A process for manufacturing candles, tapers and the like, consisting in leading an endless wick several

times through a bath of wax, paraffine, stearine or the like or mixtures of these materials, and through a die, and successively increasing the size of the die each time



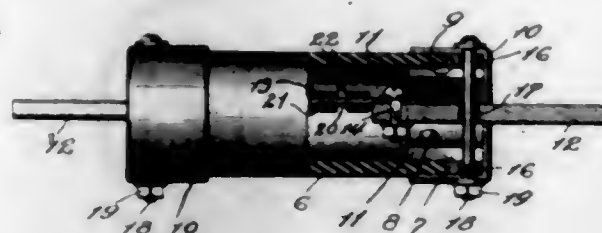
the wick has traveled its entire length through the latter, until the material has attained the desired thickness on the wick.

1,514,107. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Nov. 22, 1923. Serial No. 676,280. 4 Claims. (Cl. 123-33.)



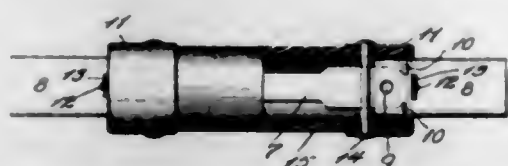
2. In a two stroke cycle internal combustion engine, the combination with six cylinders, of a crank shaft, the six cylinders being arranged in a row parallel with the axis of said crank shaft, the two center cylinders functioning as pumping cylinders, the two pairs of end cylinders functioning as combustion cylinders, the outer or end members of each pair of combustion cylinders being provided with exhaust ports, the inner member of each pair of combustion cylinders being provided with a gaseous fuel transfer port, a cylinder head common to the six cylinders and having chambers that establish communication between the respective members of the pairs of combustion cylinders, said cylinder head having a lateral extension in which are formed passages for the inlet of gaseous fuel to the two pumping cylinders, said passages opening through the underface of the lateral extension of the cylinder head, separately formed piston valve cylinders attached to and depending from the lateral extension of the cylinder head, piston valves arranged for operation within said piston valve cylinders for controlling the admission of gaseous fuel into the inlet passages leading to the pumping cylinders, there being a transfer duct from the clearance of each pumping cylinder to the gaseous fuel transfer port of the adjacent combustion cylinder, pistons arranged for operation within the pumping and combustion cylinders, connections from said pistons to the crank shaft and means for actuating the piston valves in proper time relation to the strokes of the pistons in the pumping cylinders.

1,514,198. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,371. 9 Claims. (Cl. 200-132.)



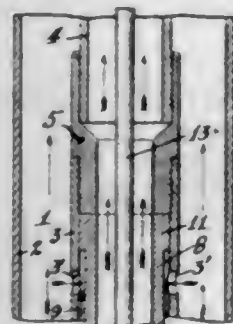
8. In a refillable fuse, a casing, a cap, a ring shaped member attached to the casing, holding means extending transversely through the portion of the member beyond the casing for detachably holding the cap.

1,514,199. CARTRIDGE FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,376. 3 Claims. (Cl. 200-132.)



1. In a fuse, a casing, a closure, a flat blade terminal extending within the casing, a fuse link attached to a flat side of the terminal, and a pin extending through the sides of the closure in front of the inner end of the terminal and through the casing for holding the closure upon the casing.

1,514,200. AUTOMATIC OIL AND GAS SEPARATING PUMP. ALBERT M. CHRISMAN and JACK E. WELLS, Pacifico, Calif. Filed Feb. 16, 1924. Serial No. 693,373. 4 Claims. (Cl. 103-220.)

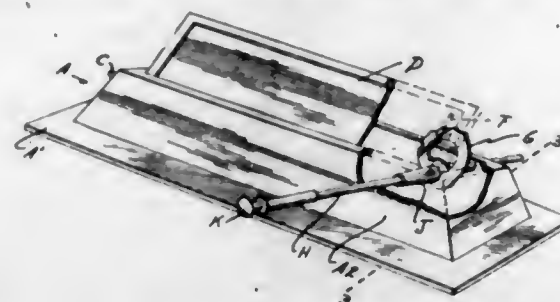


1. An oil and gas separating pump comprising a closed barrel adapted for suspension in a well; a liner fitted concentrically within and spaced from said barrel, the space between the barrel and liner being closed above and below, said barrel having ports through which the well communicates with the upper portion of said space, and said liner having ports through which the lower portion of said space communicates with the interior of the liner; and pumping instrumentalities fitted within said liner intermediate said ports.

1,514,201. DAMPER. THOMAS H. CONWAY, Sr., Detroit, Mich. Filed Apr. 19, 1923. Serial No. 633,053. 5 Claims. (Cl. 126-288.)

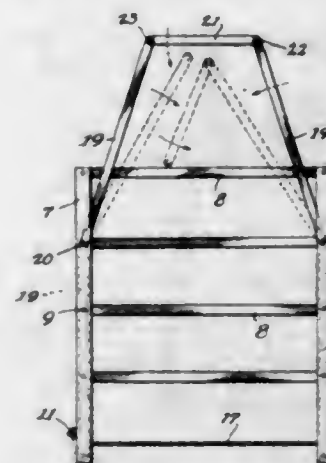
1. In combination with a rectangular dome frame, a closure plate having trunnion connections therewith adjacent one of its lateral edges, whereby the swing of the plate thereabout toward the side of the fine throat permits the central flow of the draught therethrough, and an externally actuable cam member, whose axis of rotation is disposed transversely to that of the trunnion

connections of the plate, and is adapted to liftingly engage the under face of the plate, that portion of the cam which engages the plate in the later stages of its rotation



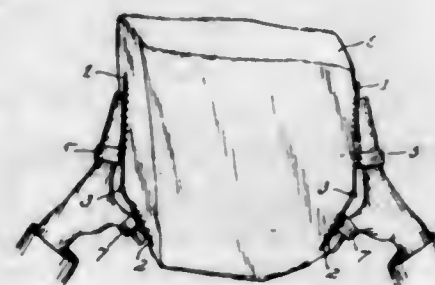
tive actuation being bent away from the plane of the central portion, whereby it engages points on the under surface of the plate increasingly near its trunnion axis, as the lifting movement progresses.

1,514,202. FOLDABLE BACK AND HEAD REST. JOSEPH P. DAVENPORT, Wheaton, Ill. Filed June 13, 1921. Serial No. 477,812. 2 Claims. (Cl. 5-71.)



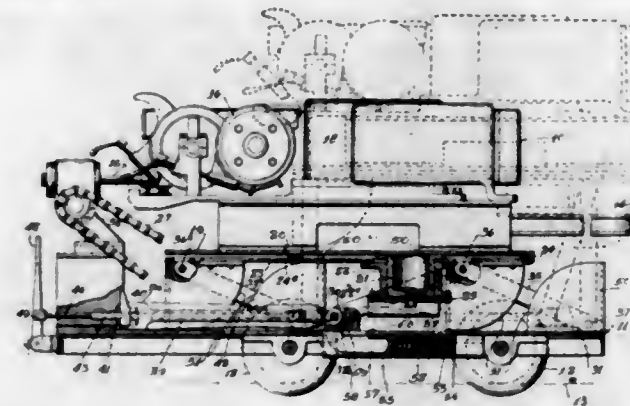
1. A back rest, a base bar therefor, pivoted above the bottom end of the back rest, adjustable brace bars detachably connecting the back rest and base bar, and a head rest provided with side bars pivoted to the back rest and means detachably connecting the upper ends thereof whereby said back rest and base bar are supported at its ends only, and the back rest, head rest and said base bar are foldable within each other.

1,514,203. ICE MITTEN. VALENTINE DEXHEIMER, Montrose, N. Y. Filed Feb. 23, 1922. Serial No. 538,531. 3 Claims. (Cl. 294-86.)



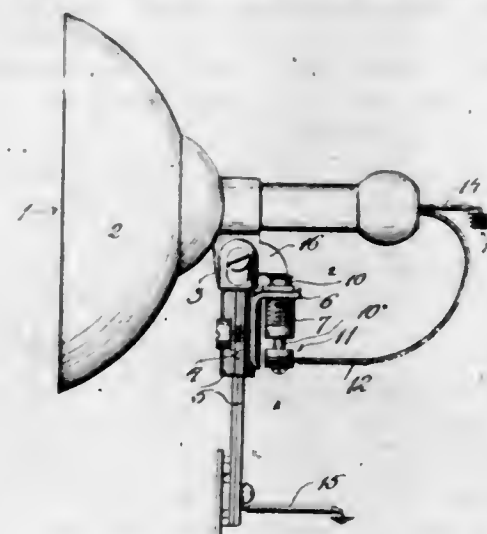
1. A device for handling ice comprising a pair of body members hinged together and provided with means for securing them to the hand, one of said members having a lateral projection adjacent the hinge for protecting the thumb, the body members having gripping members so formed thereon as to provide means for engaging a block of ice while the body members are in substantially the same plane.

1,514,204. MINING MACHINE. EDWARD J. DOBERSTEIN, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1923. Serial No. 673,426. 7 Claims. (Cl. 262-30.)



1. In a mining apparatus, the combination of a truck element, a cutting mechanism, a support element therefor, means for elevating said support and cutting mechanism comprising a plurality of pivoted links, and guide means having lateral engagement with said links mounted on one of said elements and adapted to engage the other of said elements when the support and cutting mechanism is in its lowermost position.

1,514,205. LAMP ATTACHMENT. HAROLD G. FITZGERALD, Los Angeles, Calif. Filed Feb. 20, 1923. Serial No. 620,207. 6 Claims. (Cl. 240-61.)



1. A lamp, a universal mount for same, to enable the lamp to swing horizontally and vertically, an electric circuit including the lamp and mount, means to prevent horizontal movement of said lamp past a certain point comprising a yielding stop member, a support for same in said circuit, and a contact member on and insulated from said stop member, said stop member operable by the vertical movement of said lamp to move said contact member and interrupt the circuit.

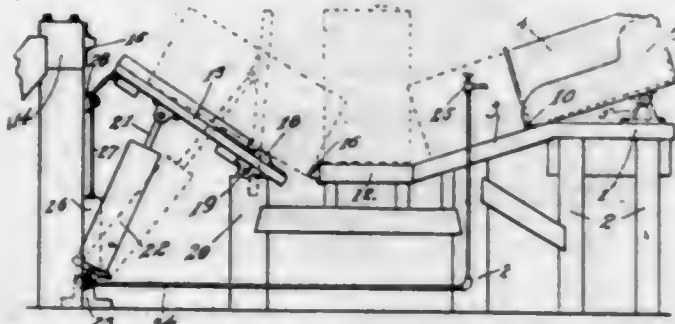
1,514,206. ADJUSTABLE ANCHOR BLOCK FOR SLIP SWITCHES. BENEDICT T. GIBBS, Jr., Chicago Heights, Ill., assignor to Morden Frog & Crossing Works, Chicago, Ill., a Corporation of Illinois. Filed July 31, 1924. Serial No. 729,399. 9 Claims. (Cl. 246-416.)



1. As an article of manufacture, a track anchor block made in two separate sections, adjacent each other, means for securing track parts to opposite edges of the

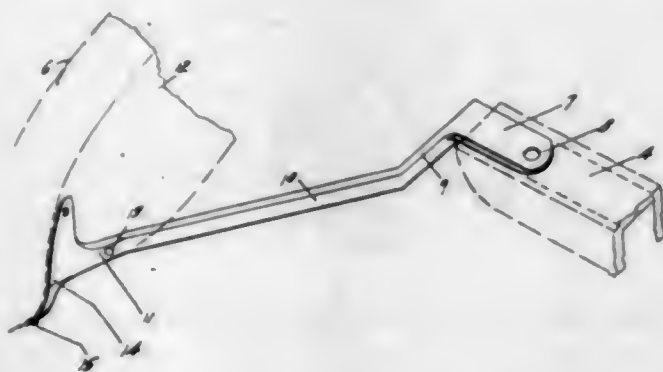
block and means between the block parts detachably adjusting said block parts to selectively control the distance between the track carrying edges of the block.

1,514,207. UPENDING DEVICE FOR ICE CAKES. HARRY GORT, Wyoming, Ohio. Filed Jan. 10, 1924. Serial No. 685,477. 4 Claims. (Cl. 214-1.)



1. In a device of the character specified, the combination with fixed platforms at different heights and an intermediate inclined way, of a table pivotally mounted alongside the lower platform, means for holding said table oppositely inclined to check the cakes of ice which slide down the inclined way and across the lower platform, and means to raise said table into substantially upright position to up end the cakes on the lower platform.

1,514,208. REAR-FENDER BRACE. ANGUS R. GROFF, Birmingham, Ala., assignor to Arg Auxiliary Spring Company, Birmingham, Ala., a Corporation of Alabama. Filed Sept. 10, 1919. Serial No. 323,004. 1 Claim. (Cl. 280-134.)

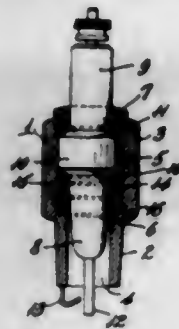


In combination, an automobile body having a transverse channel iron mounted above its rear axle, a brace for a rear fender comprising a forward end adapted to fit snugly into an open end of the channel iron and to be rigidly attached thereto by the original body bolt which attaches the channel iron to the body, a rearwardly and substantially horizontally disposed body having its forward end extending rearwardly substantially from and at right angles to the channel iron so as to clear a shock absorber, and then extending rearwardly, upwardly and outwardly to the rear inner end of the fender, said body having at its rear end a vertically elongated curved flange adapted to fit the rear fender flange, substantially as described.

1,514,209. SPARK PLUG. SVEN HANSEN, Cleveland, Ohio. Filed Aug. 26, 1922. Serial No. 584,486. 1 Claim. (Cl. 123-169.)

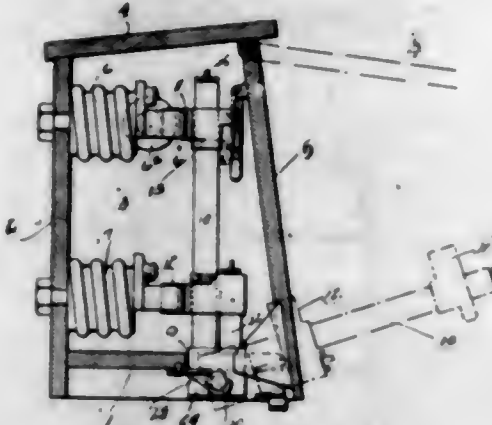
A spark plug, comprising a shell member provided with an internal shoulder, an insulator member arranged within said shell member and provided with an external shoulder in opposed relation to the shoulder of said shell member, a cylindrical resilient sleeve member sur-

rounding said insulator member and arranged between said opposed shoulders, said resilient sleeve member being provided with plane end surfaces and with oppositely



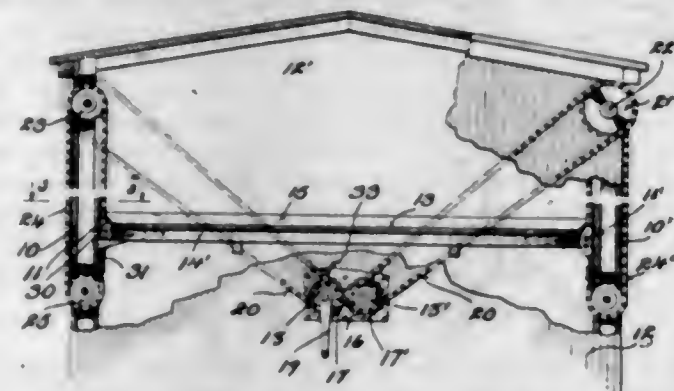
arranged laterally extending slots, and a clamping nut for moving said insulator member into engagement with said resilient sleeve member.

1,514,210. SWITCH BOX AND SWITCH CARTRIDGE. WALTER A. HEINRICH, St. Louis, Mo., assignor, by mesne assignments, to W. N. Matthews Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 16, 1922. Serial No. 536,847. 13 Claims. (Cl. 200-114.)



2. In a switch box, a wall having an opening, line terminals mounted in said box, terminal engaging elements, respective insulating tubes secured to said elements and leading from the latter through said opening, and a fuse wire extending through said tubes, connecting said elements and wholly enclosed by said tubes and by portions of said engaging elements while inside the box.

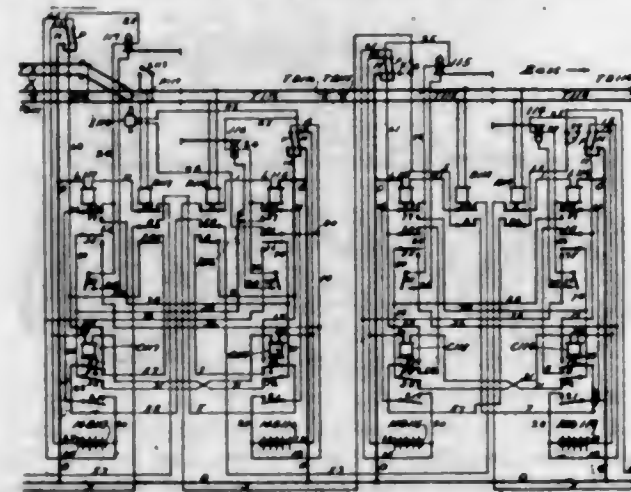
1,514,211. CONVERTIBLE FREIGHT CAR. JOHN C. HESTER, Milwaukee, Wis., assignor of one-half to George D. Luscher, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 617,918. 1 Claim. (Cl. 105-370.)



The combination of a railroad car having side and end walls, a platform carried within said car, endless chains arranged adjacent each of the corners of the car, and having their inner spans connected to said platform, a longitudinally extending shaft located adjacent the upper part of each side portion of the car and having sprocket wheels for driving said chains, means located exteriorly of said car for simultaneously rotating said

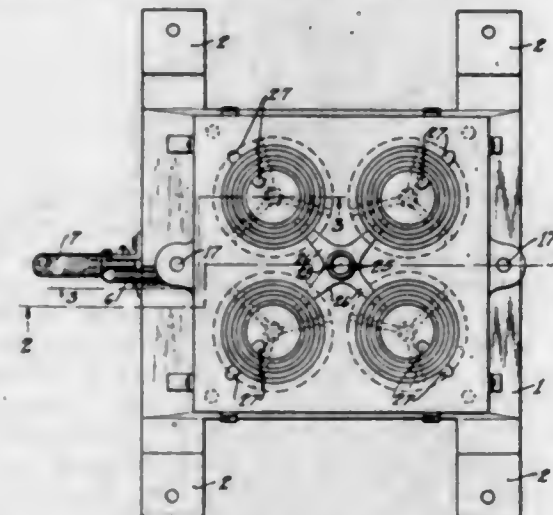
shafts, locking mechanism for said last mentioned means, additional locking mechanism carried by said platform and adapted to lock said platform with relation to the walls of said car, and a protecting strip extending upwardly from the marginal edges of said platform and having a beveled upper side.

1,514,212. RAILWAY SIGNAL SYSTEM. ROBERT J. HEWITT, Westfield, N. J. Filed Nov. 12, 1921. Serial No. 514,493. 6 Claims. (Cl. 246-33.)



1. In a normal danger absolute permissive automatic block signal system, a stretch of single track divided into block and track sections, normal danger signals adjacent the junction of the block sections for controlling traffic in both directions, a normally closed line relay and a normally open clearing relay for each signal, a circuit for each clearing relay adapted to be closed upon the deenergization of both the line and clearing relays of the other adjacent signal at the junction of the block sections, line circuits for controlling the line relays, track relays for opening the circuits of the line relays of both signals at each end of the single track when a train is in certain track sections entering or leaving the stretch of single track, and motor circuits for each signal controlled by its line and clearing relays.

1,514,213. CASTING MACHINE. ANDREW F. HOWE, Granite City, Ill. Filed Nov. 17, 1921. Serial No. 515,857. 15 Claims. (Cl. 22-54.)

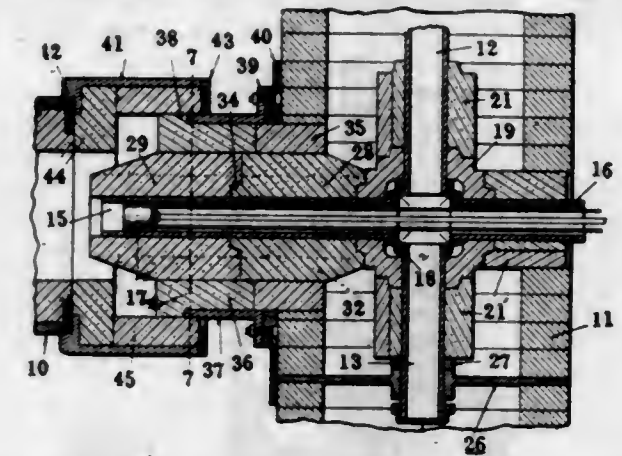


1. A casting-machine including a stripper-plate comprising an outer section, an inner section, and an intermediate section spaced and separated one from the other by pattern-ways extending through the plate.

1,514,214. BURNER STRUCTURE FOR FURNACES. ARTHUR JONES, Belleville, Ill., assignor to U. S. Smelting Furnace Company, Belleville, Ill., a Corporation of Illinois. Filed Apr. 12, 1924. Serial No. 706,031. 11 Claims. (Cl. 158-1.)

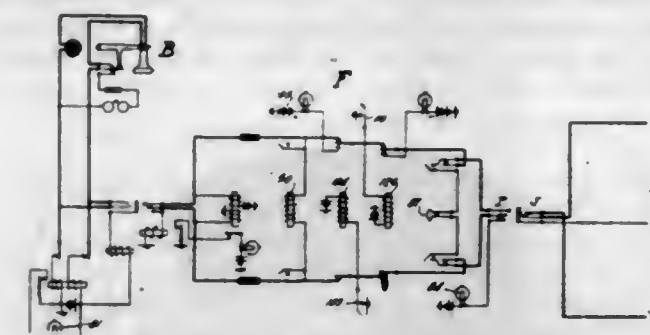
1. In a device of the class described, the combination with a flue structure, of a center block therein composed

of separable parts, a pipe connection surrounded by said center block, a burner extending from said connec-



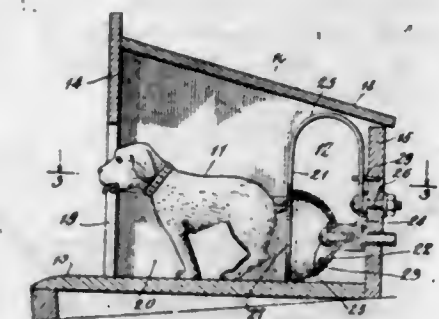
tion, and a covering for said burner, said covering being arranged to allow the return of gases to the flue structure.

1,514,215. MEASURED-SERVICE TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 15, 1919, Serial No. 297,332. Patent No. 1,459,229, dated June 19, 1923. Divided and this application filed Dec. 4, 1922. Serial No. 604,755. 8 Claims. (Cl. 179-63.)



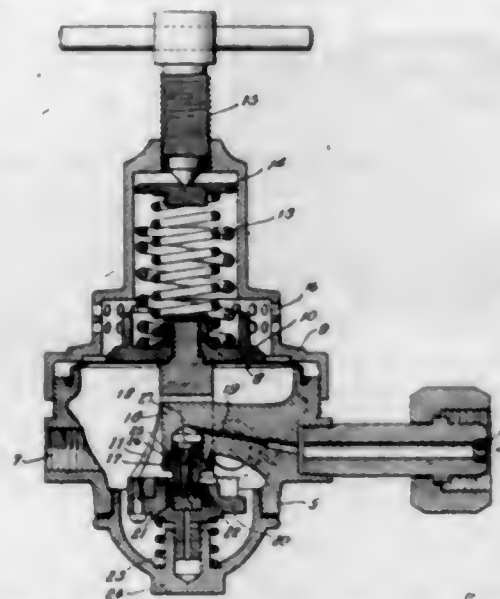
1. In a telephone system, a line, a pay-station for the line, an automatic switch for seizing said line, an operator having access to said switch and having means for controlling the switch to seize the line, a magnet for the pay-station for either refunding or collecting the coin, and means in the switch controlled by the operator for operating said magnet to collect or refund the coin.

1,514,216. FIGURE TOY. LOUIS MARX, New York, N. Y. Filed Jan. 5, 1924. Serial No. 684,536. 5 Claims. (Cl. 46-40.)



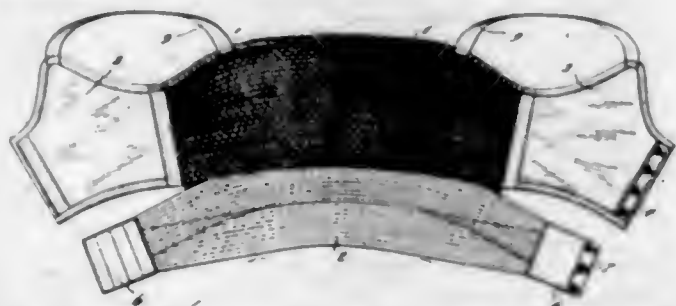
1. A toy comprising a housing having a front wall opening, the said housing defining a compartment in which a toy figure is positionable for expulsion through said opening, ejecting means within the housing for expelling the toy figure, and pneumatic means operative for restraining action of said ejecting means and for releasing the same to permit figure expelling action thereof.

1,514,217. FLUID-PRESSURE-REGULATING VALVE. ADOLF MESSER, Frankfort-on-the-Main, Germany. Filed Feb. 2, 1923. Serial No. 616,463. 6 Claims. (Cl. 50-23.)



4. A fluid pressure regulating valve comprising a nozzle having an annular passage therein, and a combustible valve disk or seat to engage the discharge end of said nozzle, one of said parts being movable relatively to the other part.

1,514,218. BRASSIERE. SAMUEL T. METZ, Jamaica, N. Y., assignor to Treo Company, Inc., a Corporation of New York. Filed Dec. 18, 1920. Serial No. 431,574. 5 Claims. (Cl. 2-42.)



5. A brassiere comprising a section encircling the body at the bust and having an elastic portion therein, a waist section connected along a portion of one edge to the lower edge of the bust section and having free terminals at least one of which has an elastic portion therein, and fastening means between the corresponding ends of the bust and waist sections, the fastening means for the waist section being adjustable to tighten or loosen this section at the desire of the wearer.

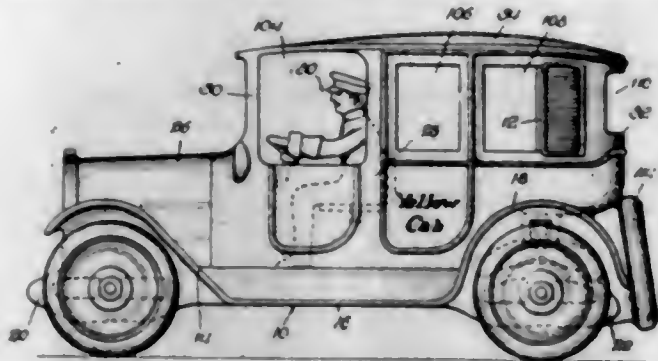
1,514,219. LOGGING APPARATUS. THOMAS SPENCER MILLER, South Orange, and JOSEPH H. DICKINSON, Montclair, N. J. Filed Aug. 2, 1922. Serial No. 579,141. 2 Claims. (Cl. 212-7.)



1. A log skidding apparatus comprising platforms arranged end to end and flexibly connected together, wheeled trucks supporting the ends of each of said platforms and adapted to travel on track rails, a skidding structure mounted on the outer end of each platform, a skidding engine associated with each skidding structure at the same end of the platform, a logging line extending from each engine over the associated

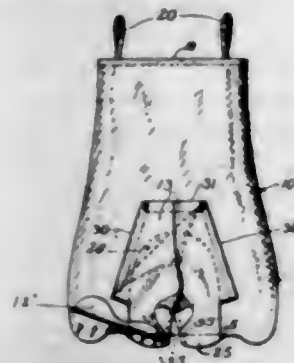
skidding structure, and a steam boiler mounted on the inner end portion of one of said platforms and connections for supplying steam from said boiler to each of said engines, the load mounted on said trucks being distributed between the points of support of said trucks.

1,514,220. TOY TAXICAB. HAZEN C. MORGAN, Freeport, Ill., assignor to Arcade Manufacturing Company, Freeport, Ill., a Corporation of Illinois. Filed Mar. 13, 1922. Serial No. 543,205. 12 Claims. (Cl. 46-48.)



10. A toy vehicle having seats but no floor, the body of said vehicle being formed of complementary halves forming opposite sides of the vehicle, and having interlocking irregularities of contour to prevent relative movement in a vertical fore and aft plane, tension members below the level of the seat for holding said halves in assembled position, an imitation radiator at the front of the vehicle, and an imitation spare tire and carrier at the rear end of the vehicle, said radiator and spare tire and carrier providing points of abutment below the level of said tension members.

1,514,221. LADY'S UNDERGARMENT. ERWIN G. MUNZER, Chicago, Ill. Filed Feb. 20, 1922. Serial No. 537,763. 5 Claims. (Cl. 2-78.)

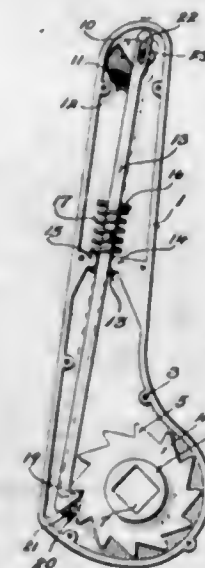


1. The garment described made tubular from end to end and comprising a bust and waist portion, a widened hip portion and leg portions, said garment being made of like shaped back and front portions, the back portion having a deep upwardly opening wide notch extending from the lower margin of said leg portions upwardly to constitute a seat opening and forming at the sides of the notch rear leg portions, and a leg forming and drop seat portion stitched to the inner margins of the back leg portions and to the front garment portion below the crotch and to the back portion outwardly beyond said notch and extending upwardly as a free seat opening closing flap.

1,514,222. METHOD OF PRINTING DOCUMENTS. WALLACE J. MURRAY, Boston, Mass., assignor, by mesne assignments, to Todd Protectograph Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1922. Serial No. 550,477. 5 Claims. (Cl. 101-425.)

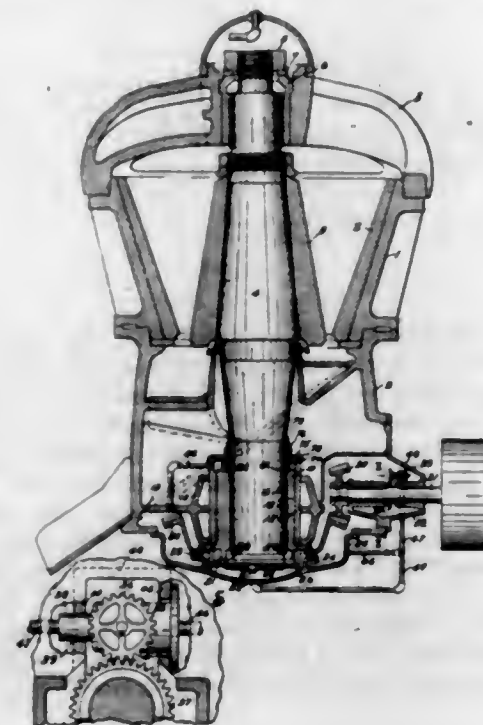
3. A method of producing permanent records which consists in printing paper with different inks containing reagents which combine to form an insoluble azo color within the body of the paper.

1,514,223. SAFETY CRANK. EDWARD E. NELDNER and VINCENT NELDNER, Milwaukee, Wis. Filed Nov. 17, 1922. Serial No. 601,501. 1 Claim. (Cl. 123-185.)



A safety crank for internal combustion engines having a crank receiving shaft, said crank comprising an arm provided with a handle, a ratchet member adapted to engage the shaft, a rod carried by said arm and adapted to reciprocate and rock relatively to said arm, a spring urging said rod in one direction, a pawl integral with said rod and adapted to engage said ratchet, said pawl having a cam face, and means carried by said arm and adapted to engage said cam face to throw said pawl out of engagement with said ratchet when the engine back fires.

1,514,224. CRUSHER-LUBRICATING SYSTEM. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Original application filed Jan. 3, 1921. Serial No. 434,493. Divided and this application filed Apr. 13, 1922. Serial No. 552,393. 23 Claims. (Cl. 83-10.)



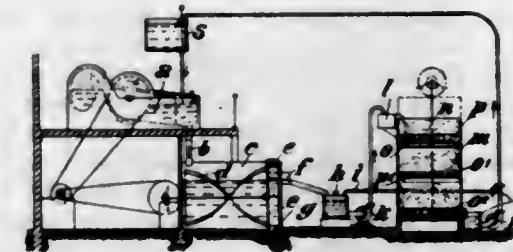
1. A crusher comprising a vertical shaft, an eccentric associated with said shaft, a horizontal gear for rotating said eccentric, a cover plate for said gear, said plate being provided with radial passages the outer ends of which open upwardly, and with a central opening on its under side communicating with said radial passages.

1,514,225. CONTAINER FOR POWDER. CECIL O. PHILLIPS, New York, N. Y.; Elizabeth L. Phillips executrix of said Cecil O. Phillips, deceased. Filed Oct. 5, 1922. Serial No. 592,470. 4 Claims. (Cl. 206-56.)



1. A composite container of the type described, comprising an outer casing, perforated means on one end of said casing for dispensing powder, and an inwardly projecting perforating member of a particular shape arranged near said perforated means, a refill carton having a perforable section in one end thereof, of a shape corresponding to the perforating member, and positioning means associated with said outer casing whereby when a refill carton is inserted into the outer casing the perforating member registers with the perforable section in the end of the carton adjacent thereto.

1,514,226. COATING MATERIAL AND PROCESS AND APPARATUS FOR THE MANUFACTURE THEREOF. MAX PREISS, Wittenberg, Germany. Filed June 18, 1924. Serial No. 720,833. 4 Claims. (Cl. 92-3.)



1. A process for the manufacture of a coating material which comprises mixing paper material with loading and glue materials, grinding the mixture until substantially complete disintegration of the fibres is obtained, diluting the mixture, beating up the same to form a scum, condensing the scum, and returning for re-treatment any material which fails to turn to scum.

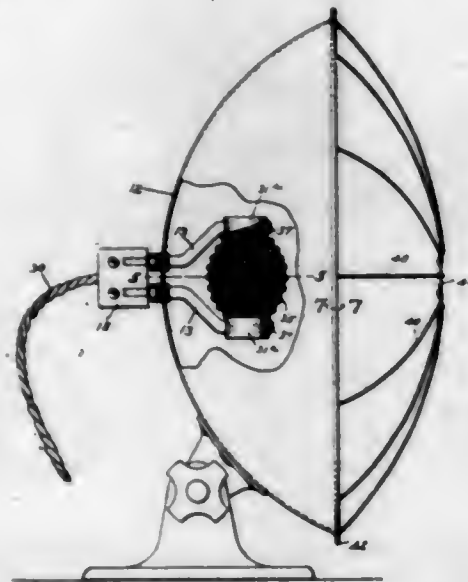
1,514,227. BUCKLE. GEORGE E. PRENTICE, New Britain, Conn., assignor to Treo Company, Inc., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,129. 4 Claims. (Cl. 24-196.)



1. A buckle comprising an apertured frame, and a locking bar of sheet metal which has been bent upon itself into tubular form, extending across the aperture between the frame and the locking bar.

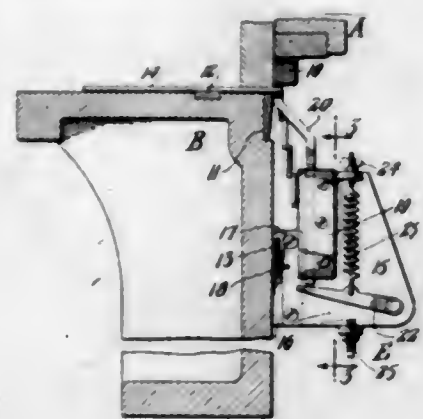
opposite sides of the frame, both ends of the bar having longitudinal extensions overlying both faces of said opposite sides of the frame so as to guide the bar for sliding movement on the frame across the aperture and retain it against removal from the frame.

1,514,228. ELECTRIC HEATER. HARRY PRICE, Boston, Mass., assignor to Acme Electric Heating Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 5, 1923. Serial No. 616,921. 5 Claims. (Cl. 219-34.)



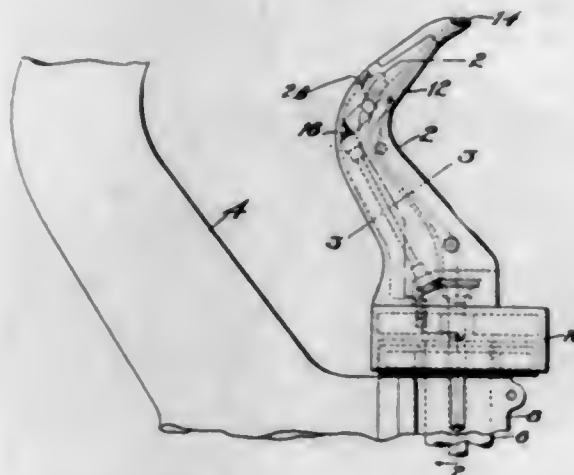
1. An electric heater comprising a concave reflector; spaced apart supporting arms of conducting material, fixed to and insulated from the central portion of the reflector, and provided with inner terminals projecting from the back, and with outer terminals projecting from the front of the reflector; a core of refractory insulating material having transverse sockets separably connected with the said outer terminals, and an electric heating unit mounted on said core, and connecting means carried by the core for separably connecting the opposite ends of said unit with the outer terminals, said unit being arranged to radiate heat rays in all directions, from the center of the core, so that both reflected and direct rays are projected from the reflector.

1,514,229. EXPANDED-METAL-MAKING APPARATUS. EDWARD T. REDDING, Swissvale, Pa., assignor to Consolidated Expanded Metal Companies, a Corporation of Pennsylvania. Filed July 30, 1921. Serial No. 488,569. 5 Claims. (Cl. 164-6.5.)



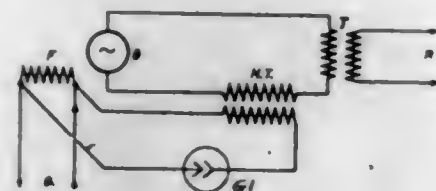
1. The combination with a guillotine machine for making expanded metal fabric of the Golding type, of means for holding an end portion of the sheet laterally against the moving shearing die permitting movement of the die to shear such portion loose.

1,514,230. SEWING MACHINE. JOHN H. RICHARDSON, Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 10, 1919, Serial No. 288,954. Divided and this application filed Oct. 20, 1920. Serial No. 418,178. 4 Claims. (Cl. 112-41.)



1. A rotatable shoe supporting horn for shoe sewing machines of the class described having, in combination, a base, an upwardly curved portion extending therefrom to enter the shoe, a supporting spindle extending downwardly therefrom, a water reservoir located in said base, said upwardly curved portion having a water passage formed therein having inlet and outlet openings connected with the reservoir and so arranged that when the reservoir and passage is filled with water and the water in the reservoir is heated, it will be caused to circulate through the passage and reservoir.

1,514,231. CONTROLLING ALTERNATOR FOR SUPPLYING TUBE TRANSMITTERS. WALTER SCHÄFFER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed May 3, 1922. Serial No. 558,306. 7 Claims. (Cl. 128-17.)

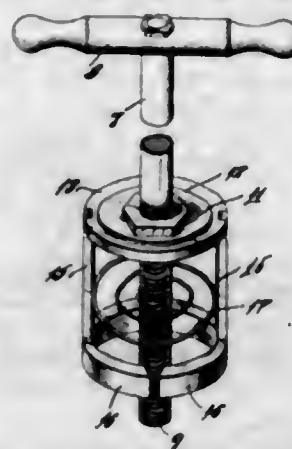


7. In an arrangement for controlling an alternating frequency generator for supplying a vacuum tube transmitter, a transformer having its primary arranged in circuit with the generator, a three-element vacuum tube having its plate and filament connected in series with the secondary of the transformer, connections between the circuit of the secondary of the transformer and the field of the generator, and key devices for synchronously opening and closing the grid circuits of said three-element vacuum tube and the tube transmitter so as to vary the intensity of the field of the generator upon changes in the load on the generator resulting from the opening and closing of the grid circuit of the tube transmitter.

1,514,232. AUTO TIRE PUMP PLUNGER. HENRY SCHLOEMER and HENRY E. SCHULTZ, Sauk City, Wis. Filed Aug. 20, 1923. Serial No. 658,285. 2 Claims. (Cl. 74-109.)

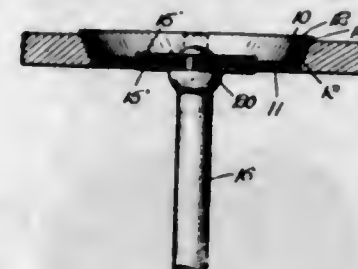
1. A pump of the class described having a cylinder and a reciprocating element therein, a flexible cup clamped

to said element, arms pivoted to one of its clamping members and extending downward within the skirt of



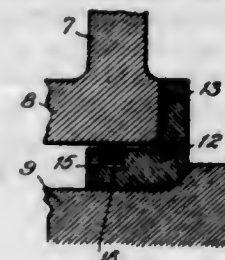
said cup, and a spring for forcing the arms apart and holding said skirt in contact with the inner wall of said cylinder.

1,514,233. VALVE AND THE METHOD OF MAKING IT. AARON M. SEARLES, Chicago, and FORÉE BAIN, La Grange, Ill., said Bain assignor to said Searles. Filed Dec. 1, 1922. Serial No. 604,316. 2 Claims. (Cl. 123-188.)



1. In combination with an inwardly tapered substantially unyielding valve seat, a hollow cap shape poppet valve having its perimeter tapered at a different angle from a common axis from that of the seat so that the outside end surface of the valve, near its free edge, contacts the valve seat first in closing the valve and increased pressure tends to increase the contacting area of the valve with its seat.

1,514,234. ENGINE. FRANK W. SEVERIN, Chicago, Ill., assignor to Venn-Severin Machine Co., Chicago, Ill., a Corporation of Illinois. Filed July 13, 1921. Serial No. 484,307. 1 Claim. (Cl. 286-7.)

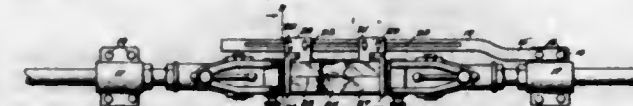


An oil seal for an engine comprising a collar around and adapted to be secured on the crank-shaft of said engine, extending longitudinally of said shaft, having a peripheral groove therein and an outwardly extending integral flange to lap the inner end of the bearing on said crank-shaft, and a spring-ring in said groove adapted to engage said bearing.

1,514,235. CLEANING AND POLISHING COMPOUND. EMIL M. SMITH, Milwaukee, Wis. Filed Aug. 25, 1923. Serial No. 650,398. 2 Claims. (Cl. 148-22.)

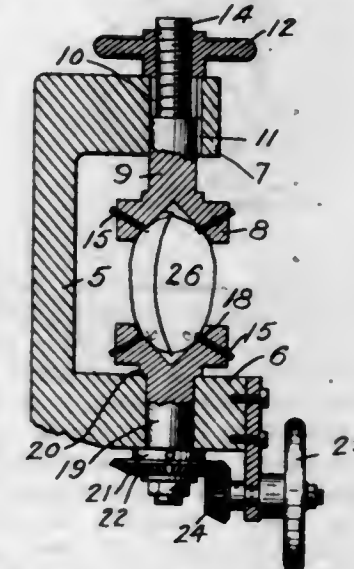
1. A polishing compound formed by the mixture of oxalic acid, rotten stone, ammonia and water.

1,514,236. METHOD AND APPARATUS FOR TESTING MATERIALS. ROBERT BIGHAM SMITH, Macon, Ga. Filed Dec. 5, 1921. Serial No. 519,921. 7 Claims. (Cl. 265-1.)



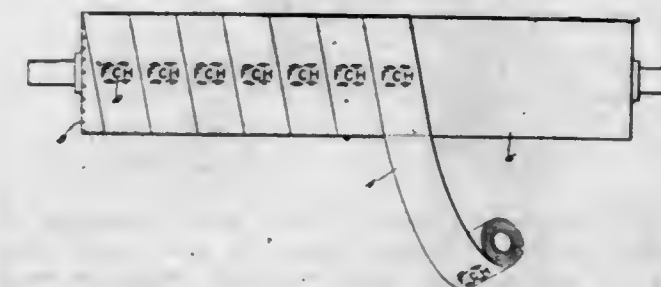
1. In a device of the class described, the combination with a testing machine including a pair of work engaging jaws movable relative to each other in one direction to stretch the work carried therebetween, a transparent plate adapted to be positioned above the portion of the work held between the jaws a support for said plate, said plate provided with an indicating line thereon extending in said direction and connecting the centers of the points of engagement between each jaw and the work engaged thereby.

1,514,237. METHOD AND APPARATUS FOR SHELLING NUTS. DWIGHT TENNEY, Brooklyn, N. Y., assignor to The Franklin Baker Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 9, 1920. Serial No. 357,226. 11 Claims. (Cl. 146-16.)



1. The method which consists in providing opposed seat members adapted to receive opposite portions of a nut and having portions for penetrating the shell of the nut, placing a nut between the seat members with opposite portions in the seat members, causing relative approach of the seat members, one towards the other, to bring about penetration of the shell by the penetrating portions of the seat members, and then causing relative rotation of the seat members, thereby twisting off the shell.

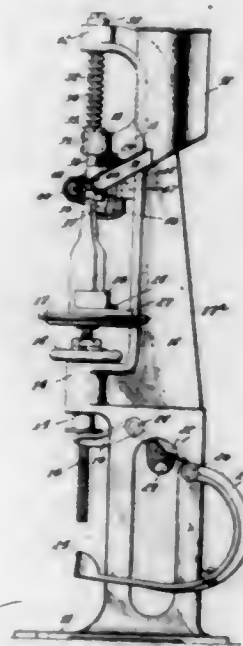
1,514,238. MEANS FOR WATERMARKING PAPER. GEORGE M. WALLACE, Rensselaer, N. Y., assignor to F. C. Huyek & Sons, Rensselaer, N. Y., a Corporation of New York. Filed Apr. 7, 1922. Serial No. 550,452. 7 Claims. (Cl. 92-48.)



7. A peripheral covering for a roll for water marking paper during its manufacture consisting of a strip of woven and felted woolen fabric having on its surface a raised woolen water marking design, the component parts

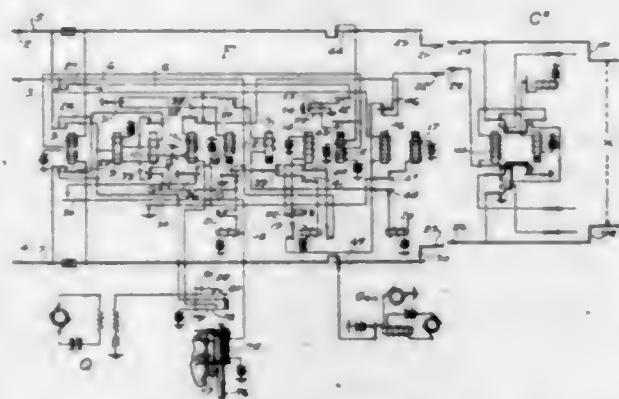
of which are arranged along the strip to bring them into proper relation to each other on the surface of the roll when the strip is wound spirally thereon with edges abutting.

1,514,239. BOTTLE-CAPPING MACHINE. GEORGE A. WILLIAMS, Decatur, Ill., assignor to The Williams Sealing Corporation, Decatur, Ill., a Corporation of Connecticut. Filed Sept. 14, 1918. Serial No. 254,030. 2 Claims. (Cl. 226—81.)



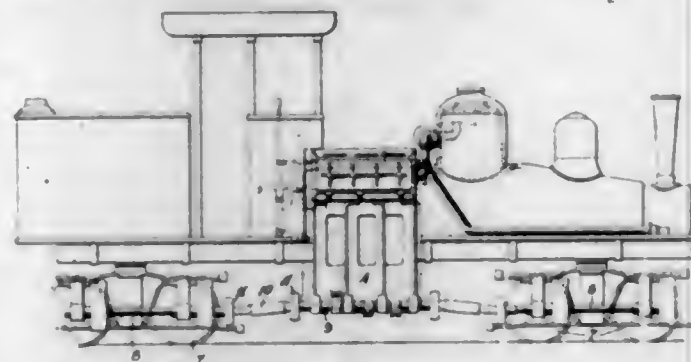
1. In a bottle capping machine, the combination with a standard, of a bottle support having guiding extensions embracing a portion of said standard, a screw shaft, a threaded nut through which said shaft passes, said threaded nut being movable vertically in the standard, a hand wheel connected to the upper end of said threaded nut, a bifurcated lever adapted to straddle the threaded shaft and engage the lower end of said threaded nut, a transverse rock shaft, a centrally disposed arm upon said shaft adapted to engage said lever, and a curved treadle upon either end of said rock shaft as set forth.

1,514,240. AUTOMATIC TELEPHONE SYSTEM. BENJAMIN D. WILLIS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 3, 1919. Serial No. 342,239. 14 Claims. (Cl. 179—18.)



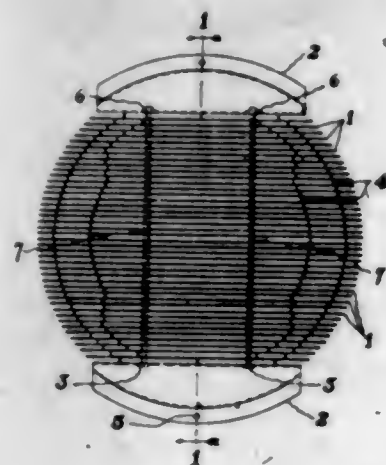
9. In a telephone system, a trunk line, a plurality of automatic switches having access to said trunk line, means for making said trunk line busy when the same is seized by one of said switches, means for rendering said trunk line non-busy after a predetermined time whereby it is again made accessible to the other switches, and means for releasing the switch first operated when the trunk line is seized by another of said switches.

1,514,241. MOTOR FOR GEARED LOCOMOTIVES. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Oct. 6, 1920. Serial No. 415,110. 10 Claims. (Cl. 105—117.)



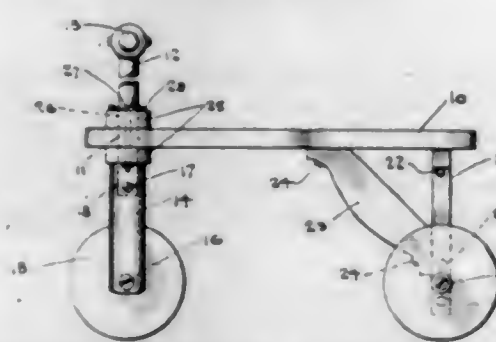
1. In a locomotive having wheels and gear driving means therefor, the combination of a complete, operable unit steam driving motor including the cylinder and engine parts and a frame or bed adapted to carry said parts, and means whereby said bed may be supported from the locomotive, and flexible connecting means between the motor unit and said driving means.

1,514,242. HEADLIGHT FOR MOTOR VEHICLES. CHARLES F. YOUNG, Columbus, Ohio. Filed Aug. 26, 1924. Serial No. 734,161. 4 Claims. (Cl. 240—48.4.)



1. In a headlight provided with a reflector and lens holder and a light-giving element; light-directing means comprising a series of relatively thin vanes horizontally disposed and rigidly spaced apart, rods running through said vanes at right-angles thereto and rigidly connected to the upper and lower vanes, the uppermost vane and the lowermost vane having respectively upward and downward integral extensions forming attaching devices rigid with said light-directing means and projected between and held rigid by said reflector and lens holder.

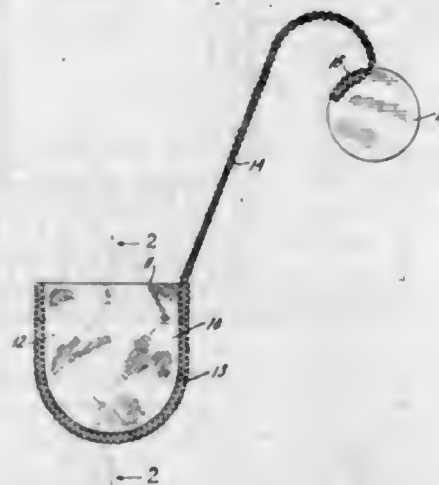
1,514,243. CHILD'S VEHICLE. HENRY ZIEMMS, JR., Chicago, Ill. Filed June 20, 1921. Serial No. 478,794. 1 Claim. (Cl. 208—163.)



A toy vehicle comprising in combination a seat member, an elongated block adapted to be rigidly fastened to either the upper or lower face of the seat member with its ends projecting laterally to form a foot rest and

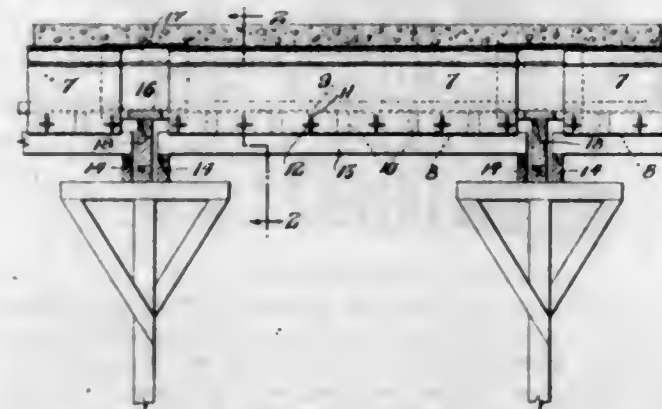
having an aperture in register with a corresponding aperture in the seat member, means rigidly fastening said block to said seat member, a steering post journaled in said block and seat member and having a shoulder adapted to support the seat member and block, a bolster rigidly mounted on the seat member near its rear end and having openings in its ends spaced apart vertically equal to the thickness of said block and rear supporting wheels having axles adapted for mounting in said openings:

1,514,244. TEA CARTRIDGE. THOMAS ALLATT, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 31, 1922. Serial No. 585,413. 2 Claims. (Cl. 53—3.)



1. A device for extracting essence from tea-leaves or coffee, comprising a strip of textile fabric having the material the essence of which is to be extracted placed thereon and then folded on its center line to form two plies contacting all around their free edges, a line of stitches extending close to and in parallel relation to said free edges for uniting said two plies, the thread of said stitches being carried over the edge of the fabric, said stitches being continued beyond the fabric to form a chain which serves as a suspending means for the device.

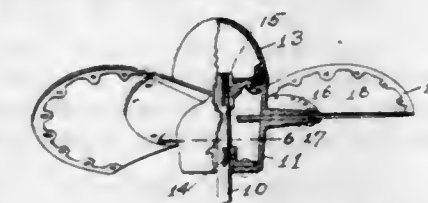
1,514,245. MOLD FORM FOR CONCRETE WORK. NILS F. AMRUSEN, Pittsburgh, Pa., assignor to Uni-Form Company, a Corporation of Massachusetts. Filed Oct. 7, 1919. Serial No. 329,066. 6 Claims. (Cl. 25—131.5.)



1. A mold form for concrete joist floors and the like comprising in combination a plurality of pans, the sides of which forming the joist mold are spaced apart and flanged at the bottom, filler means between the sides forming the bottom of the joist mold and means below said filler means extending between and engaging the sides above said flanges, so that the filler means may be supported either independently through such last mentioned means or from the pan flanges, and the sides may be supported either directly or through the medium of such last mentioned means.

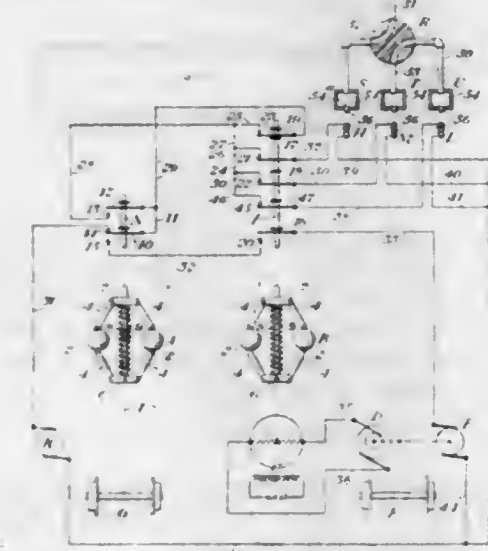
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1,514,246. PROPELLER. ANTHONY ASSALA, Des Moines, Iowa. Filed June 23, 1922. Serial No. 570,424. 2 Claims. (Cl. 170—173.)



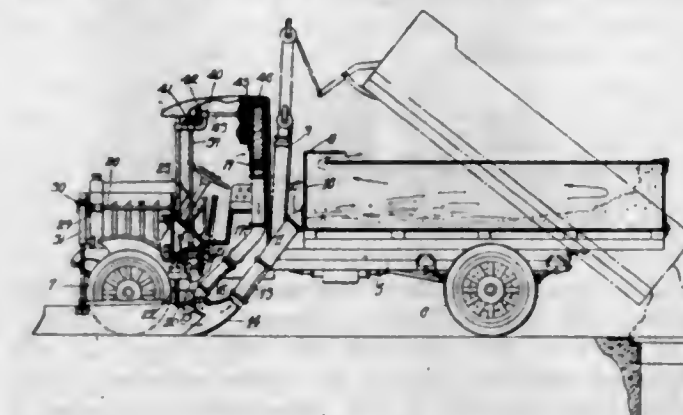
1. An improved propeller comprising a cylindrical hub, a hub cap detachably secured to the front of the hub and shaped to offer a minimum resistance to the air, two flanges within the hub, a shaft detachably mounted in said flanges, said hub being also provided with two flanges for each blade extended outwardly therefrom and spaced apart, a propeller blade inserted between said flanges and extended outwardly from the hub and firmly secured between the flanges.

1,514,247. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. CHARLES R. BEALL, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 9, 1923. Serial No. 611,590. 15 Claims. (Cl. 303—21.)



1. Railway traffic controlling apparatus comprising a vehicle, an alternating current generator driven by an axle of said vehicle, a synchronous motor supplied with current by said generator, a main centrifugal device operated by said motor, an auxiliary centrifugal device operatively connected with an axle of said vehicle, and governing means on the vehicle controlled jointly by said two centrifugal devices.

1,514,248. SNOW-CLEARING MACHINE. ERNEST BERGMAN, Carmel, N. Y. Filed June 1, 1922. Serial No. 565,072. 2 Claims. (Cl. 37—42.)



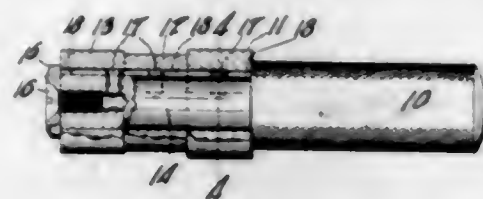
1. In a snow clearing machine, the combination with a motor truck and its body, diverging plows disposed in front of said body, an inclined chute having an upwardly and rearwardly curved trap attachable to the

rear of said plows, said chute being flexibly connected to the vehicle body, gearing operable from the engine drive shaft for raising and lowering the plows and chute as a unit, a clutch for rendering said gearing inoperative and a constantly driven fan operable from the engine drive shaft for creating a forced draft of air in the bottom of the trap to drive the accumulated material toward the rear of the said vehicle body.

1,514,249. MATERIAL FOR MAKING PRINTERS' ROLLERS AND PROCESS OF PRODUCING THE SAME. WILLIAM H. BOSER and FREDERICK J. BOSER, Minneapolis, Minn. Filed Oct. 11, 1923. Serial No. 667,890. 9 Claims. (Cl. 106—5.5.)

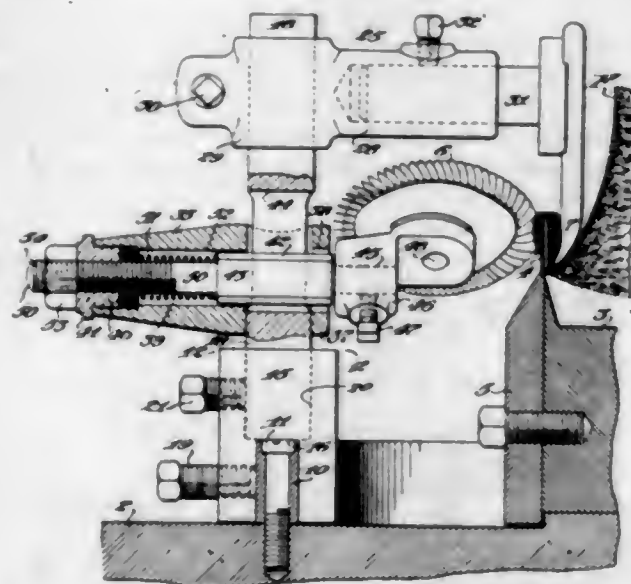
1. A new composition of matter comprising glue dissolved in water and glycerine and commingled with chromium sulphide, sulphur, and oxide of iron.

1,514,250. PLUG GAUGE. OTTIS R. BRINEY, Pontiac, Mich. Continuation of application Serial No. 568,327 filed June 14, 1922. This application filed June 15, 1923. Serial No. 645,485. 5 Claims. (Cl. 32—178.)



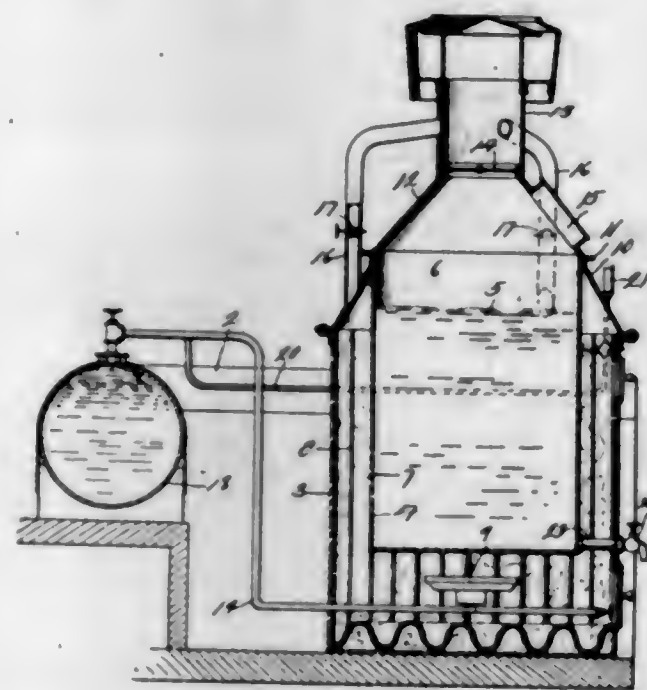
1. A plug gauge including, a handle, a measuring gauge on one end of said handle and corresponding in diameter to the normal diameter of a hole to be gaged, and a check gauge adjacent to and inward of said measuring gauge and corresponding in diameter to the lowest permissible diameter of said hole.

1,514,251. KNITTING MACHINE. ADELARD FARLAND, Providence, R. I. Filed Aug. 2, 1922. Serial No. 579,167. 5 Claims. (Cl. 66—19.)



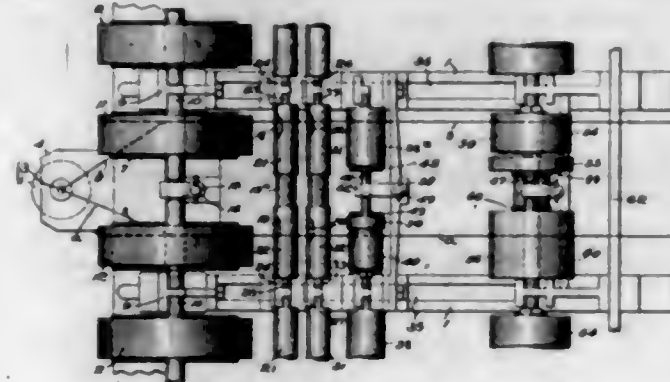
1. In a knitting-machine, the combination with the bed-plate and needle-cylinder thereof, of a laterally-slotted vertical post adapted for adjustment on the bed-plate circumferentially of the needle-cylinder, a hollow arm provided with a hub surrounding the post, a rod slidable in the arm through the slot in the post and having means engaging the sides of the slot to hold it from turning therein, means for mounting a knitting-implement at the end of the rod, and means for adjusting said rod longitudinally of the arm.

1,514,252. ASPHALT HEATER. PHILIP F. FELLMANN, Lancaster, Pa. Filed June 25, 1924. Serial No. 722,320. 3 Claims. (Cl. 126—343.5.)



2. An asphalt heater comprising a main casing, an auxiliary casing disposed within the main casing and forming an annular flue around the auxiliary casing, a heating element disposed within the main casing below the auxiliary casing, an asbestos corrugated lining within the annular chamber thereby forming vertical flues, a stack carried by the auxiliary casing, a damper disposed within said stack, a plurality of pipes connecting the stack above the damper therein and the upper end of the annular chamber, and dampers carried by said plurality of pipes.

1,514,253. SPINNING AND DOUBLING MACHINE. TOM FORREST, North Andover, Mass., assignor, by direct and mesne assignments, to Duplex Yarn Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 10, 1917. Serial No. 195,842. 29 Claims. (Cl. 117—22.)

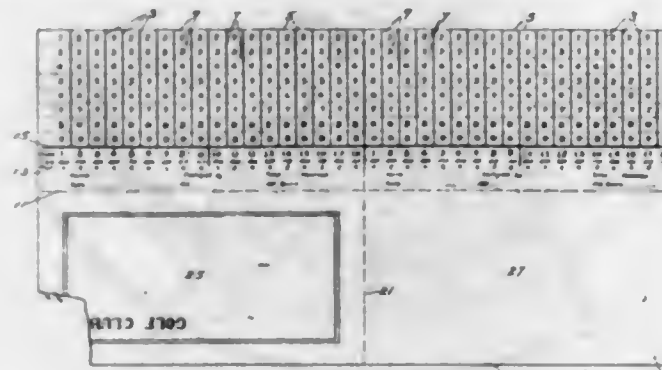


7. A spinning and doubling machine comprising means for drafting a roving of long fibers and separate means for drafting simultaneously a roving of relatively shorter fibers, a common guide therefor, and a common spindle for imparting the spinning twist and the doubling twist to the yarn in the same direction, and means for feeding a plurality of rovings simultaneously and at different angles to the guide.

1,514,254. GOLF-SCORE CARD. FREDERICK L. MACDONALD, Boston, Mass. Filed Feb. 28, 1922. Serial No. 539,559. 15 Claims. (Cl. 283—50.)

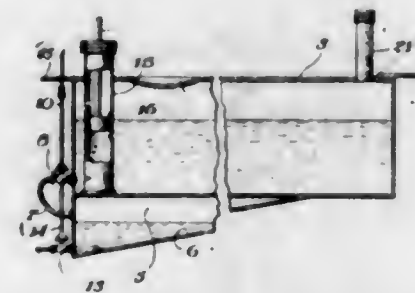
1. A golf score sheet having a series of strips disposed side-by-side to indicate a player's score for a succession of holes and each having a secured end, a free end and free side edges, scored lines extending transversely of

the strips at intervals between their secured and free ends to provide detachable sections, the latter being marked with score numbers arranged in numerical order with the lowest number on the section farthest from



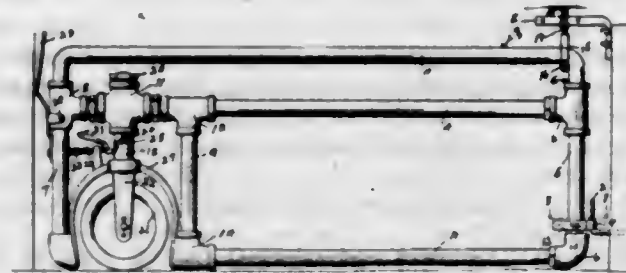
the secured end; that one or more of said sections may be torn off a strip to leave a stub having a terminal section with a number thereon representing a player's score.

1,514,255. RESERVE-OIL TANK FOR AUTOMOBILES. ALBERT O. MURDOCK, Fort Payne, Ala. Filed Dec. 4, 1922. Serial No. 604,796. 1 Claim. (Cl. 184—105.)



A reserve oil tank for automobiles comprising a relatively long and shallow upper compartment and a lower compartment, said lower compartment being formed with an inclined bottom, a valve-controlled conduit leading from the upper to the lower compartment and having its ends inserted in the end walls of said compartments, and a vent tube leading from the lower compartment.

1,514,256. GATE. GRANT NEWLAND, Fort Dodge, Iowa, assignor of one-half to John P. Walrod, Moorland, Iowa. Filed Mar. 9, 1923. Serial No. 623,916. 1 Claim. (Cl. 39—1.)



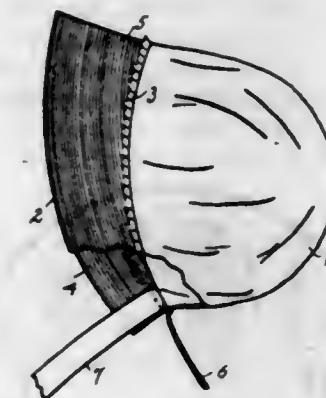
In a gate of the above described character, comprising a frame formed of tubular piping, means for hinged support, the gate at one end, a wheel adjustably mounted in the opposite end of said gate and adapted to support the free end of same, means positioned within one of the tubular pipes for rotating said adjustable supporting wheel and means supported by one end of the gate for permitting said adjustable supporting wheel to assume a rotary and operative position for opening of said gate.

1,514,257. WINDSHIELD. WILLIAM F. OESTERLE and EDGAR H. G. OESTERLE, Peru, Ill. Filed Sept. 26, 1922. Serial No. 590,635. 2 Claims. (Cl. 296—97.)



1. A windshield for vehicles having formed on its inner face a single transversely extending projection in the line of vision of the driver, the face of the projection towards the driver being rounded to transfer the rays from the line of vision of the driver.

1,514,258. HEAD COVERING. FLORA OWENS, Brea, Calif. Filed June 6, 1922. Serial No. 566,438. 1 Claim. (Cl. 2—204.)

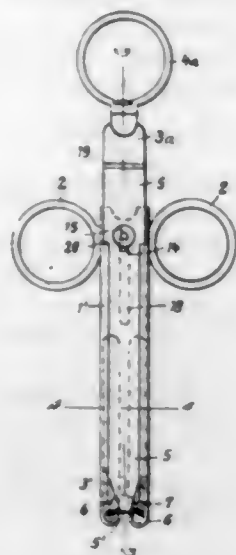


A head covering comprising a crown, a brim at the edge of said crown forming a closed annulus of a width adapting said brim to be turned back upon the crown to form a hat with said crown extending an appreciable distance above the edge of said brim and thereby providing a symmetrical design, or adapting said brim to be turned down so as to project forwardly from the crown and form a bonnet with the outer edge of the back of said brim at the base of the back of the head, and tabs secured to the junction of said crown and brim upon the outside of and at the back of said head covering, said tabs being of such width and length that when said head covering is worn as a bonnet the tabs will extend downwardly an appreciable distance beyond the edge of the brim so as to cover a substantial width and the entire length of the neck below the edge of the brim, and when said head covering is worn as a hat the tabs will be turned upwardly and held in position by said brim between the latter and said crown with the upper ends of said tabs extending above the edge of the brim and forming ornamental projections.

1,514,259. SURGICAL IMPLEMENT FOR APPLYING CLIPS TO WOUNDS. GUSTAV PETERS, Danzig, Free City of Danzig. Filed Jan. 25, 1923. Serial No. 614,817. 3 Claims. (Cl. 128—338.)

1. In a surgical implement for applying clips to wounds, the combination of a frame-like member, two annular handles integral with said member, an open-

ended clip magazine on said member, two slides arranged on said member, an annular handle adapted to move said slides, and means in connection with said slides to take



the clips, one by one, out of said magazine, to advance the same, and to bend it together, substantially as set forth.

1,514,260. GAME. ALFRED A. REES, New Haven, Conn. Filed Apr. 14, 1922. Serial No. 552,483. 1 Claim. (Cl. 46-41.)

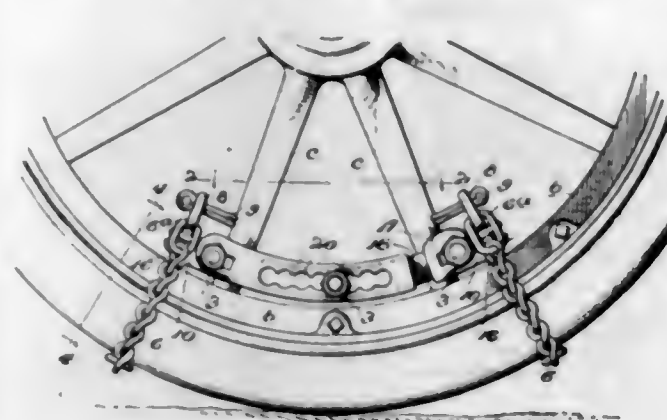


An apparatus of the type described comprising a dial bearing concentric circles, and an endless, alternately staggered series of characters arranged between certain of the circles, lines drawn from the common centers of the circles and directed toward alternate characters, lines separating each of the characters of the series, a plurality of other characters each arranged adjacent the outer ends of the respective lines of the first mentioned series, and means adapted to be suspended over the center of the dial by the operator and swung toward different characters.

1,514,261. ANTISKID DEVICE. JOHN REICHERT, Racine, Wis. Filed Oct. 13, 1920. Serial No. 416,602. 16 Claims. (Cl. 152-2.)

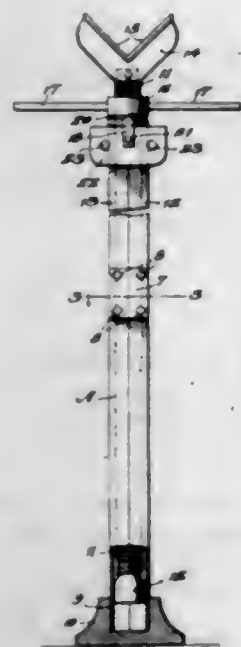
1. An anti-skid device for vehicle wheels, comprising an elongated bar having end shoes to abut against the inner surface of the wheel felly and also having free end fingers projecting inwardly from the inner edges of the end portions of the bar, means for clamping said bar against a lateral surface of a vehicle wheel, and a

flexible traction element constructed to extend across the tread of the vehicle tire and across the inner surface of the wheel felly and having opposite end links formed



to both slip over either of said fingers and detachably confine the traction element to the wheel through the medium of said one finger.

1,514,262. MINE JACK. JACOB H. SANTMYER, Uniontown, Pa. Filed July 5, 1923. Serial No. 649,771. 4 Claims. (Cl. 254-98.)



1. A jack of the class described comprising a base, complementary standard-forming channel bars, having their channel portions facing each other thereby to form a hollow standard, means for securing and uniting the side flanges of the opposite channel members together, and a screw supporting-and-carrying bracket arranged at the upper end of said channel members and constituting means for securing the upper ends of said members together.

1,514,263. MONEY BOX. AUGUST C. SCOTT, New York, N. Y. Filed Apr. 1, 1924. Serial No. 703,453. 5 Claims. (Cl. 42-1.)

1. The combination with a portable money box, of a plurality of pistol holders disposed in said money box, a plurality of pistols disposed in said pistol holders, triggers carried by said pistols, a bar connecting said pistols, a motor, a crank shaft carried by said motor, connecting rods connecting the bar and the crank shaft, and means for controlling said motor.

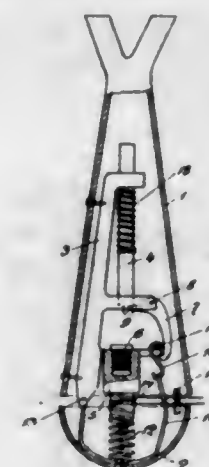
5. The combination with a money box having a pistol disposed therein and adapted to be fired by a pull on the triggers thereof, of a holder for said pistol, said holder

comprising a stationary block, spaced flanges carried by the upper end of the block and adapted to have spring engagement with the opposite sides of a pistol, the upper



side of the pistol holder being provided with a trigger guard receiving recess, and an arm carried by the rear end of the block and adapted to engage the rear end of the pistol.

1,514,264. DROPPING LEAD FOR DETERMINING THE DEPTH OF SEA BY SOUND WAVES. BERNHARD SETTEGAST and WILHELM RUDOLPH, Kiel, Germany, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Filed Oct. 22, 1923. Serial No. 670,019. 13 Claims. (Cl. 102-3.)

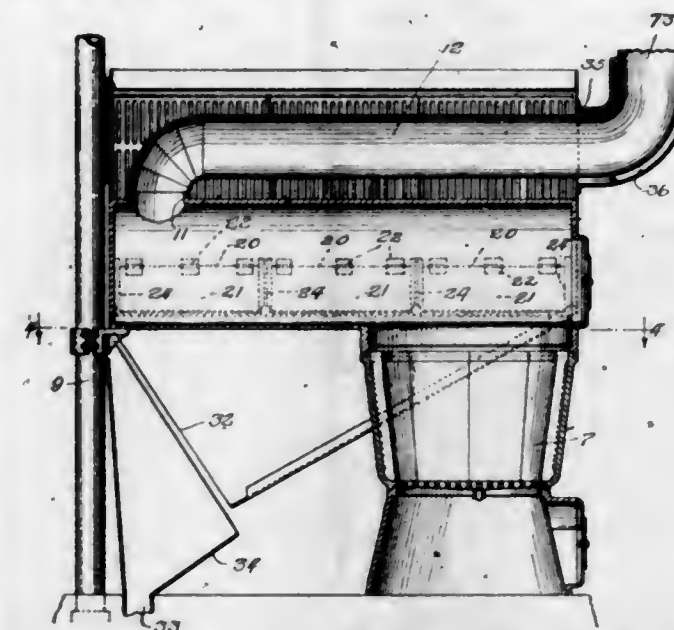


5. In a lead adapted to produce a sound signal on reaching the bottom of the sea, sound producing mechanism, a part adapted to be moved by striking the bottom of the sea, motion-transforming means so inserted between said movable part and said sound producing mechanism that the motion is decreased before reaching the sound producing mechanism, the latter being caused to operate by said motion, and a stopping device normally preventing said motion but adapted to be released by submergence in water.

1,514,265. DRYING APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1922. Serial No. 552,683. 20 Claims. (Cl. 34-34.)

11. A drier comprising a member presenting upwardly-converging portions, and portions extending upwardly therefrom, in the form of a grating and against which

the material to be dried bears, and a heat flue having a portion extending between and spaced from said upwardly-converging portions of said grating and another por-



tion extending between the upwardly-extending portions of said grating, said portions of said heat flue extending in non-vertical position.

1,514,266. LADY'S UNDERGARMENT. BEULAH GYBSON SPIESBURY, Minneapolis, Minn., assignor to The Munsingwear Corporation, Minneapolis, Minn., a Corporation of Minnesota. Filed Nov. 6, 1920. Serial No. 422,259. 2 Claims. (Cl. 2-73.)

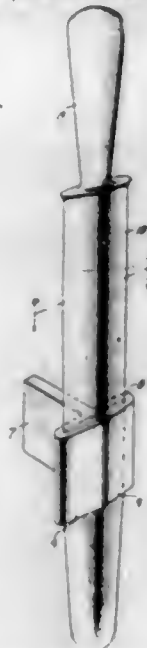


2. A lady's undergarment adapted to be pulled up over the hips having a band with holes therein, said band being stitched to the top of the garment, said band corresponding in length to the bust measure whereby it will lie smoothly on the wearer's bust, said band having gathered thereon the fullness of the fabric necessary in garments of this type, the garment having a placket opening under the arm below the band, the ends of said band having a fastening means for closing the placket opening and shoulder straps passing through said holes and attached to the lower edge of the band, said straps being just long enough to pass the hips of the wearer when the band crumples between the holes and the points of attachment of said band and straps.

1,514,267. REMOVABLE BRIDGEWORK ATTACHMENT. ISIDORE STERN, New York, N. Y. Filed Nov. 8, 1920. Serial No. 422,653. 7 Claims. (Cl. 32-12.)

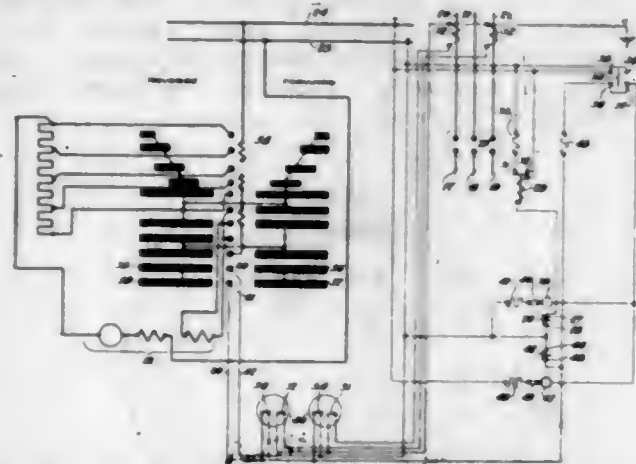
1. A denture appliance applicable to bridge work where a socket is used as a support for the bridge, said appliance comprising a shank, a web formed on the shank,

said web having a triangular shaped hole formed longitudinally therethrough which leaves tapering wing parts



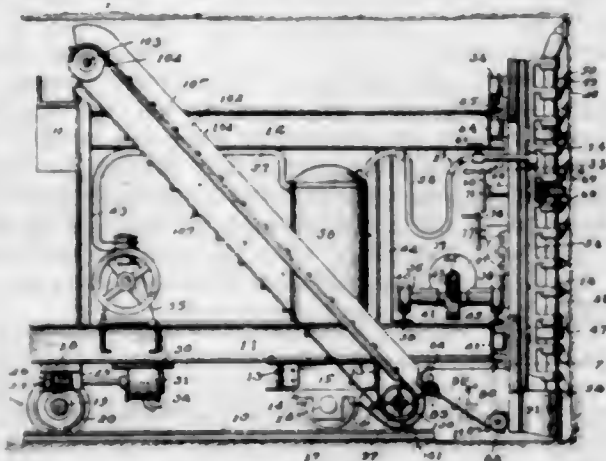
expandible by inserting an appropriate tool in the opening whereby the appliance is made to more snugly fit into the socket.

1,514,268. CONTROLLING MECHANISM. DAVID V. STEWART, Columbiana, Ohio. Filed July 19, 1923. Serial No. 652,586. 5 Claims. (Cl. 204-64.)



1. The combination with a tilting electric furnace having at least one electrode, and a source of electric current for said electrode, of means for automatically breaking the circuit to said electrode when tilting said furnace.

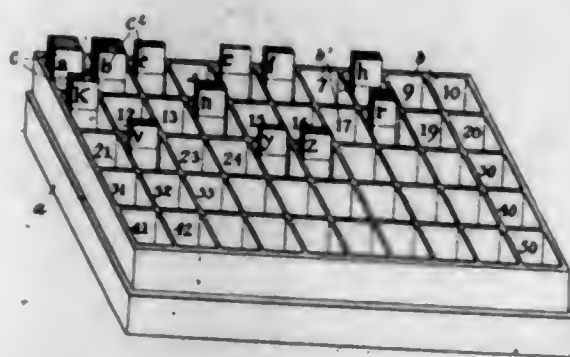
1,514,269. MINING MACHINE. HALVER R. STRAIGHT, Adel, Iowa. Filed Apr. 11, 1922. Serial No. 351,696. 27 Claims. (Cl. 262-5.)



26. In a device of the class described, a support, a shaft having a series of diverging cutters mounted thereon to reciprocate longitudinally in a common plane sub-

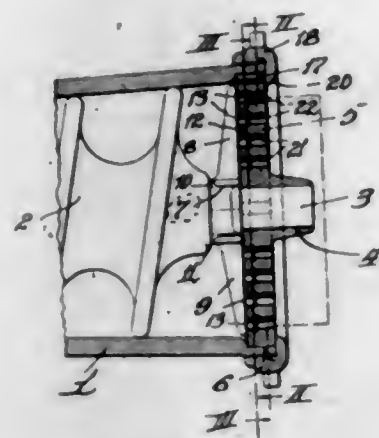
stantially through the center of said shaft, means for oscillating said shaft, and means for moving said shaft longitudinally relative to said support.

1,514,270. MEANS FOR TEACHING READING AND THE LIKE. JENNIE L. THOMSON, Tunkhannock, Pa. Filed Apr. 27, 1922. Serial No. 556,974. 2 Claims. (Cl. 35-9.)



1. In combination, a container having serial numerals of the decimal system arranged in horizontal rows of ten each and reading progressively from the lowest numeral as the left-hand numeral of the first row serially to the right through each succeeding row, the numerals having the same units digits in the several rows being in vertical alinement with each other; and a set of removable slips all of substantially identical shape and size having respectively repeated on them the first-named numerals and adapted to be placed on the container in coincidence with its numerals and so that the numerals on the slips respectively correspond to the numerals of the container and the numeral of the last slip so placed remains visible.

1,514,271. CUTTING AND GRINDING DEVICE, SUCH AS FOOD CHOPPERS. ARTHUR TILDEN, St. Louis, Mo. Filed June 11, 1923. Serial No. 644,629. 4 Claims. (Cl. 146-189.)

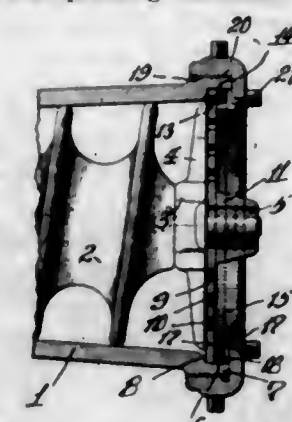


1. In a cutting or grinding machine, the combination of a backing member provided with a series of beveled edged perforations, a rotary cutting element and a reversible cutting edge plate located between said member and said element, said plate having a series of perforations which communicate with the beveled edged side of the perforations of said backing member.

1,514,272. ADJUSTING DEVICE FOR THE CUTTING PLATES OF FOOD CHOPPERS. ARTHUR TILDEN, St. Louis, Mo. Filed June 11, 1923. Serial No. 644,630. 4 Claims. (Cl. 146-189.)

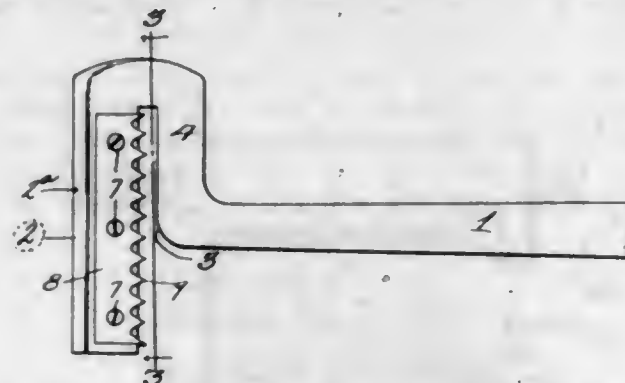
1. In a food chopper, the combination of a cutting element, a cutting edge plate cooperable with said ele-

ment, extending means for preventing said plate from turning, a removable packing element adapted to bear



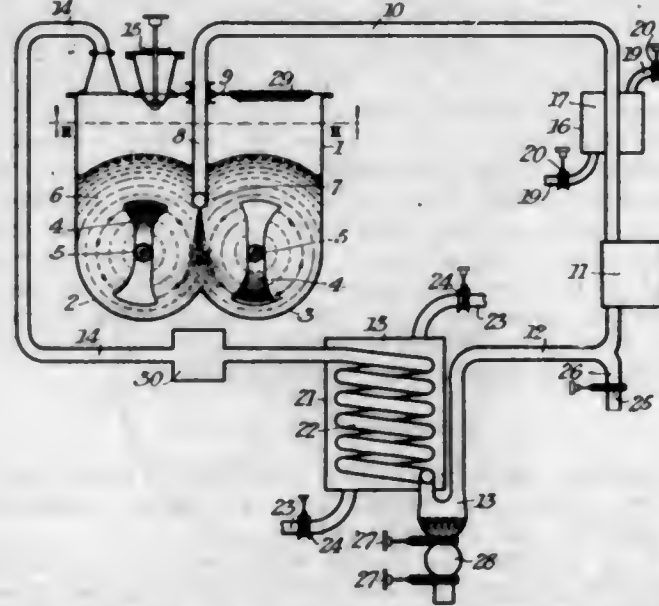
against said plate having means formed thereon for providing clearance to said extending means, and a holding member for said packing element.

1,514,273. UPHOLSTERY-WEBBING STRETCHER. CARL VON SCHENK, Irvington, N. Y. Filed June 11, 1924. Serial No. 719,350. 1 Claim. (Cl. 254-79.)



A webbing stretcher comprising a handle member, said handle member terminating in a transversely disposed U-shaped member, the outer arm of the U-shaped member being longer than the inner arm thereof, a toothed plate carried by the outer arm of the U-shaped member, said handle member being positioned at a right angle to the toothed plate and substantially intermediate its ends.

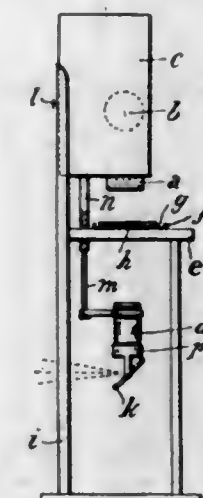
1,514,274. PROCESS OF MANUFACTURING CELLULOSE ACETATE. WILLIAM R. WEBB, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 15, 1923. Serial No. 662,910. 3 Claims. (Cl. 266-118.)



1. In the manufacture of cellulose acetate, the steps of producing a cellulose acetate reaction mixture initially containing volatile acetic values and a volatile

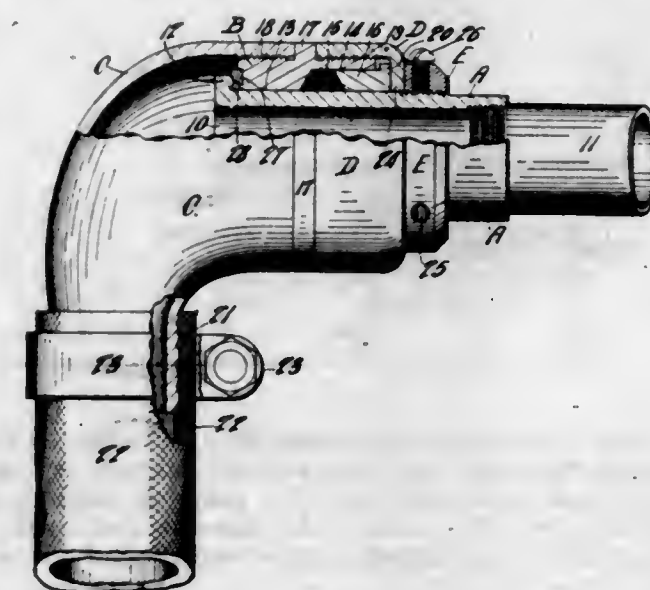
acid hydrolyzing substance, passing a gaseous vehicle into contact with said acetic values of the reaction mixture to take up vapors thereof, separating acetic values from the vapor-laden vehicle, and reacting on said acid substance at a stage of the process after the production of said reaction mixture and prior to completion of said separating step with a salt which is substantially free from reaction upon said acetic values and produces a substantially non-volatile compound with said acid substance.

1,514,275. APPARATUS FOR PROJECTING ADVERTISEMENTS UPON AND THROUGH A SCREEN. ADOLF WEIGEL, Berlin, Germany. Filed July 28, 1922. Serial No. 578,166. 3 Claims. (Cl. 88-24.)



1. Apparatus for projecting advertisements, comprising, in combination, a table, an advertisement plate on said table upon which the advertisement is produced during the projection, a light source, a condenser, a casing enclosing said light source and carrying said condenser and adapted to be suspended from said table either above or below the advertisement plate, a lens, and means for detachably and adjustably supporting said lens on said table either below or above the advertisement plate, substantially as and for the purpose set forth.

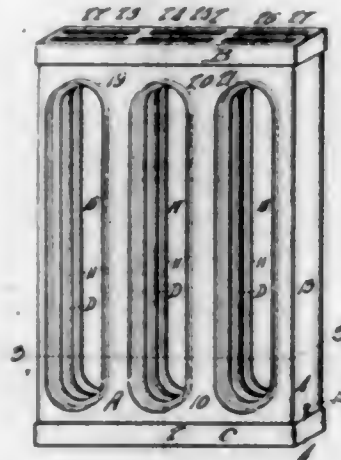
1,514,276. SWIVEL-JOINT COUPLING. EDWARD C. WHALEN, Lakewood, and ALEXANDER G. GEBHART, Cleveland, Ohio. Filed June 4, 1923. Serial No. 643,227. 3 Claims. (Cl. 285-166.)



1. A swivel joint coupling composed of two units, one of said units comprising a stationary member, a swivel member rotatable on said stationary member and provided with means for engaging the other of said units, the function of said engaging means independent of the function of the other members of the first said unit,

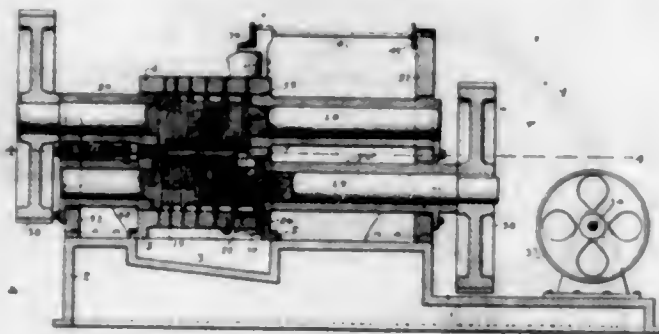
sealing means between said stationary and said swivel members, and the second of said units comprising an outlet member provided with means adapted to said engaging means on the swivel member to permit attaching and changing of said outlet member on the first said unit without affecting the relations of the members thereof, and means for locking said second unit to said first unit after the former has been attached to the latter so that the rotation of said second unit also rotates the rotatable members of said first unit.

1,514,277. COIN BANK. EDWARD C. WHALEN, Lakewood, and EARL W. McCLELL, Warrensville, Ohio. Filed June 4, 1923. Serial No. 643,337. 6 Claims. (Cl. 232-4.)



1. In coin banks, the combination of, a case, a plurality of partitions of channel section extending longitudinally within said case, said partitions placed side by side and back to back inside of said case, the backs of said partitions comprising a wall dividing the interior of said case into two main compartments, and the sides of said partitions dividing each of said main compartments into a plurality of coin compartments.

1,514,278. PRESS FOR EXPRESSING OILS AND LIQUIDS. JOHN C. FIDDYMENT, Akron, Ohio, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Filed Dec. 13, 1920. Serial No. 430,184. 18 Claims. (Cl. 100-48.)

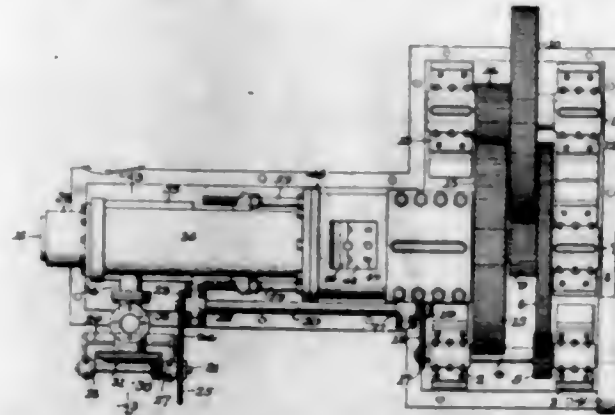


1. In a press for expressing oils and liquids, a shell, means adapted to force the material through said shell, and means within said shell for positively shifting said material laterally to repeatedly separate and divide the same during its longitudinal movement through the shell.

1,514,279. PRESS. JOHN C. FIDDYMENT, Mount Gilead, Ohio, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Filed July 27, 1923. Serial No. 654,249. 9 Claims. (Cl. 100-48.)

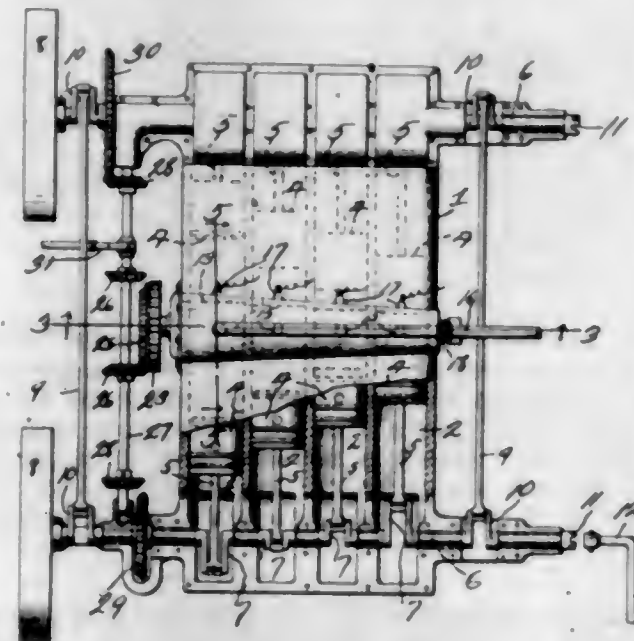
1. In a press, a press chamber provided with a screw shaft, a series of ribs forming channels on said shaft

near the inlet end of the chamber, means for constantly rotating said shaft, a countershaft, members thereon



cooperating with said channels, and means whereby the countershaft is rotated step by step by the rotation of the screw shaft.

1,514,280. INTERNAL-COMBUSTION ENGINE. FITZ-HUGH B. GIVIN, Georgetown, Tex. Filed Oct. 3, 1922. Serial No. 592,130. 1 Claim. (Cl. 123-51.)

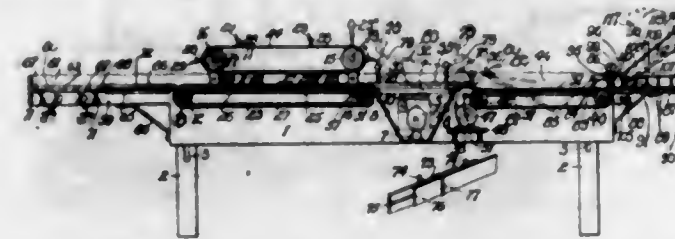


An internal combustion engine, said engine comprising a plurality of oppositely disposed cylinders in communication with each other and in the same plane, pistons disposed in the adjacent ends of said cylinders, crank shafts outside of the pistons and at the outer ends of the cylinders, connecting rod connections between the crank shafts and the pistons, a rotary intake valve above the cylinders centrally thereof at a right angle to the cylinders and in a plane at one side thereof and having ports of communication therewith, an exhaust valve below the cylinders at a right angle thereto and in a plane at the other side thereof from the intake valve and having ports of communication therewith and means for simultaneously rotating said intake and exhaust valves, said last named means being controlled at various speeds from either crank shaft and by a single lever between the crank shafts.

1,514,281. EGG-CANDLING DEVICE. THOMAS GRUBB, St. Louis, Mo. Filed Jan. 21, 1924. Serial No. 687,519. 10 Claims. (Cl. 99-2.)

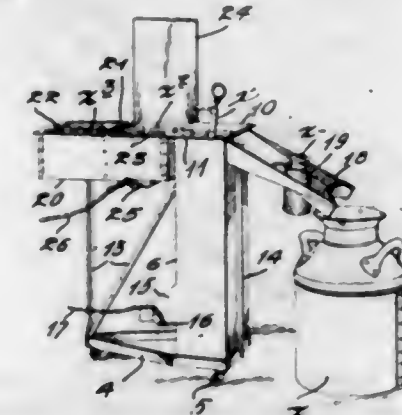
1. A machine for testing eggs, comprising a suitable supporting-frame; an endless feed-belt arranged to carry the eggs to be tested to the location at which they are to be tested; a light-chamber over which the eggs are passed in testing; a delivery-belt arranged to receive the tested eggs after same have been passed above said

light-chamber; endless supporting-means carrying grouping-rakes which are spaced apart and constructed to move a group of eggs between them towards said light-chamber, and to force said group of eggs onto glass supporting-members above said light-chamber, after said group of eggs has passed over said feed-belt; a suitable motor or power-producing means arranged to simultaneously drive the upper stretches of said feed-belt and



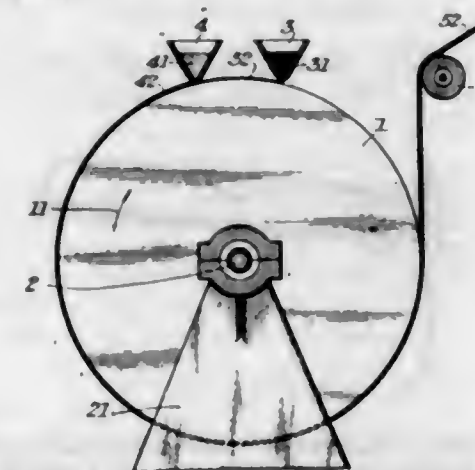
said delivery-belt in the same direction, and to drive said grouping-rakes in the same direction above said feed-belt, while a group of eggs is located between adjacent ones of said grouping-rakes; a source of light in said light-chamber; and a clutch by means of which the movements of said grouping-rakes may be started and stopped at will, without stopping said delivery-belt or said feed-belt.

1,514,282. MILK AND CREAM SAMPLING EQUIPMENT CABINET. ORA E. HARRIS, Kearney, Nebr. Filed May 9, 1923. Serial No. 637,737. 6 Claims. (Cl. 31-90.)



1. A cabinet of the kind described comprising a two-compartment water vat, a depressed cover, having a central opening, for one of the compartments, and a drip tray having a bottle holder.

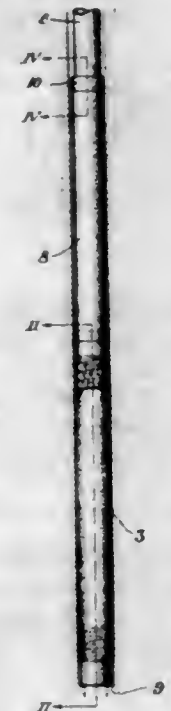
1,514,283. FILM-MAKING PROCESS. JAMES H. HASTE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 14, 1923. Serial No. 632,156. 3 Claims. (Cl. 18-57.)



1. The process of producing film, made chiefly from a cellulosic dope capable under film-making conditions of deteriorating the face on which said film is formed, which comprises the steps of forming a thin protecting

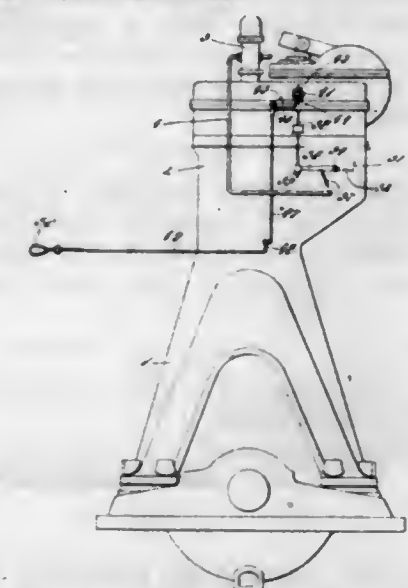
coating on said face from a cellulosic dope that does not deteriorate said face, forming a thicker coating from said first-named dope on said protecting coating, uniting said coatings, and finally stripping the united coatings from said face.

1,514,284. OIL-WELL PACKER. CHARLES M. HEETER, Butler, Pa. Filed June 21, 1923. Serial No. 646,822. 4 Claims. (Cl. 166-10.)



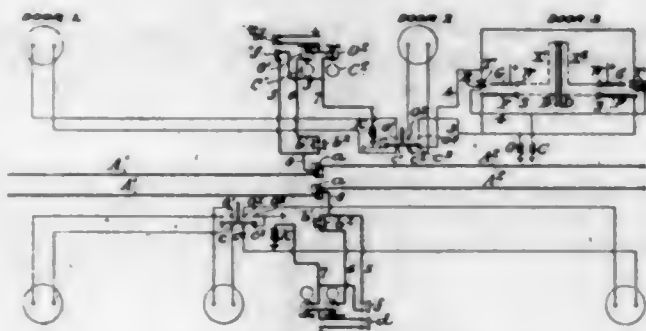
1. In a well packer, a packing carrying tube, spaced fabric rings thereon, and a rubber sleeve intermediate said rings, substantially as described.

1,514,285. ENGINE-STOPPING DEVICE. REINHARD HILDEBRAND, Webster Groves, Mo., assignor to Fulton Iron Works Company, St. Louis, Mo., a Corporation of Delaware. Filed Mar. 14, 1921. Serial No. 452,304. 3 Claims. (Cl. 133-139.)



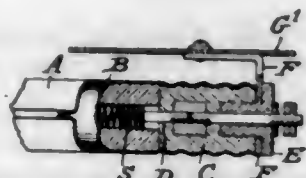
1. An internal combustion engine provided with a pump for the delivery of fuel to the engine, pump operating means including a driver and a connecting device whereby motion is transmitted from said driver to said pump, and an engine stopping device adapted to disconnect said driver from the pump to stop the engine, said engine stopping device including a tripping device movable to disconnect the driver from the pump, a spring tending to actuate said tripping device, a locking member whereby said tripping device is held in an inoperative position, and a manually operable unlocking device adapted to release said locking member from said tripping device.

1,514,286. TRAIN-DOOR CONTROL SYSTEM. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Aug. 11, 1920. Serial No. 402,894. 11 Claims. (Cl. 105-341.)



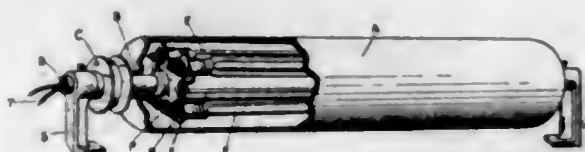
8. In a train operating circuit a single train line divided into sections, means normally connecting the train line sections but movable to interrupt the train line on any car, a local door opening magnet, a local door closing magnet, and control means for said magnets normally connected to the continuous train line.

1,514,287. ELECTRIC HEATER. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Aug. 19, 1922. Serial No. 583,042. 9 Claims. (Cl. 249-34.)



3. An electric heater comprising a metallic shell, a refractory insulating tube within said shell, a separable coil within said tube, a terminal connector for said coil extending outside of said shell, a supporting bracket at the end of the shell and insulation between said bracket and the shell and between said bracket and the terminal connector.

1,514,288. ELECTRICALLY-HEATED ROLLER. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Jan. 3, 1923. Serial No. 610,459. 12 Claims. (Cl. 219-37.)



1. An electrically heated roller comprising a normally stationary shaft, a series of electric heaters secured to said shaft in eccentric relation thereto and extending parallel with the axis thereof, and a hollow cylinder mounted on said shaft and rotatable around said heaters.

1,514,289. STREET-SWEEPING AND REFUSE-COLLECTING MACHINE. JOHN WILLIAM JEMMISON, Huddersfield, England. Filed July 13, 1922. Serial No. 574,711. 2 Claims. (Cl. 15-83.)

2. In a road sweeping machine, the combination, with a casing having an inlet for dust at its lower part, and a road brush supported from the said casing and deliver-

ing into the said inlet and provided with means for revolving it and having also means for adjusting it horizontally with respect to the said inlet; of a receiving

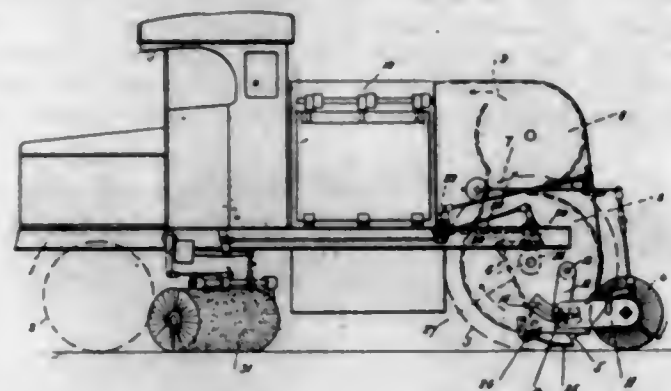
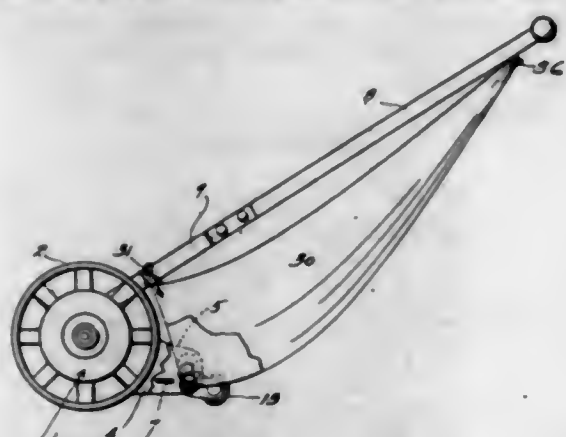


plate for dust pivoted to the said casing and forming the lower part of its said inlet, and means for oscillating the said plate intermittently as the machine is moved along without affecting the adjustment of the road brush.

1,514,290. GRASS CATCHER FOR LAWN MOWERS. ROYAL O. KEEVER, Tacoma, Wash. Filed May 8, 1922. Serial No. 559,269. 1 Claim. (Cl. 56-199.)



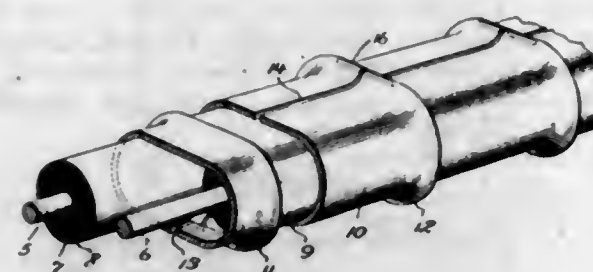
In a lawn mower of the character described, comprising a frame having rearwardly extending portions at its opposite sides, a cutter blade mounted transversely of the frame between said rearwardly extended portions, a pair of brackets fixed for vertical adjustment at opposite sides of the frame back of said blades, a roller supported by each of said brackets, paired cross bars adjustably fixed at their opposite ends to the brackets, a grass catching bag having its lower end disposed between the cross bars and its upper end supported by the handle; the said lower end being continuous to said cutter blade and forward of said rollers, and means for clamping the bars against the bag for the purpose set forth.

1,514,291. RAKE. HERBERT G. KIMMER, Oakland, Calif. Filed May 10, 1923. Serial No. 638,109. 3 Claims. (Cl. 55-10.)



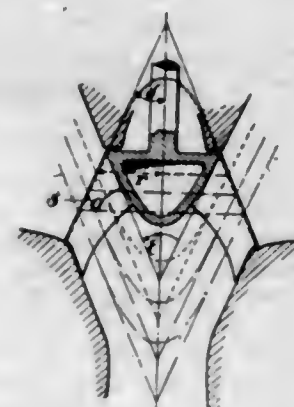
1. In a rake, a handle, a transversely arranged channel plate secured to the handle, rake tines passing through both legs of the channel and bent over against the outer surface of one leg, the plate having an extension from the latter leg folded over the bent ends of the tines to retain them in the channel.

1,514,292. ARMORED CONDUCTOR. HOMER G. KNODNER, Englewood, N. J., assignor to General Electric Company, a Corporation of New York. Filed Jan. 26, 1921. Serial No. 440,133. 1 Claim. (Cl. 173-266.)



In a wiring structure, the combination of conductors laid side by side and insulated from each other and an armor thereon comprising transversely corrugated metal strips folded lengthwise around the conductors, the joints between the strips being out of alignment, and said strips being bent closely around the conductors to form a flattened structure which is stiff in a transverse plane but may be readily bent in a plane at a right angle thereto.

1,514,293. RUNNER FOR ROTARY ENGINES. FRANZ LAWACZECK, Pocking, Germany. Filed Aug. 24, 1921. Serial No. 494,892. 7 Claims. (Cl. 253-117.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

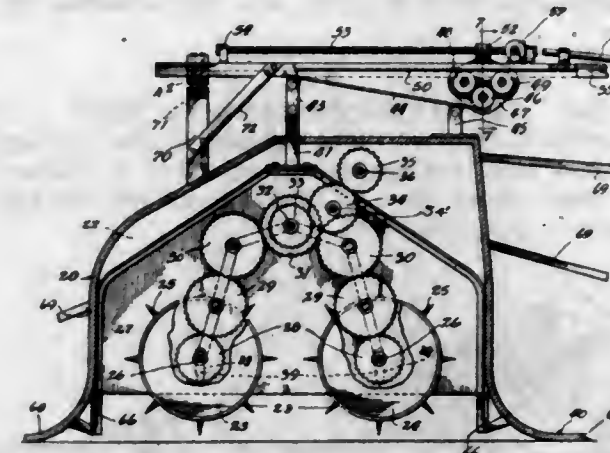


1. A blade for runners designed to work in a flowing medium, said blade being formed substantially so that for all points where the medium enters the runner; not only the angle beta formed by the tangent to the blade surface which extends in the direction of flow relative to the blade, when this tangent is projected into the radial plane, with the tangent to the circle of rotation, but also the angles gamma, formed by the tangent first mentioned when it is projected into a plane extending tangentially to the cylindrical circumference of the perspective point, with the tangent to the circle of rotation, and epsilon formed by the first mentioned tangent when it is projected into the axial plane, with the line which extends in this plane in parallel to the shaft axis, vary in proportion to the value and direction of the absolute entrance velocity w of the flowing medium.

1,514,294. AUTOSLEIGH. PETER P. LEOW, Boyne City, Mich., assignor of one fourth to James S. Leow, Boyne City, Mich. Filed July 2, 1921. Serial No. 482,257. 3 Claims. (Cl. 180-6.)

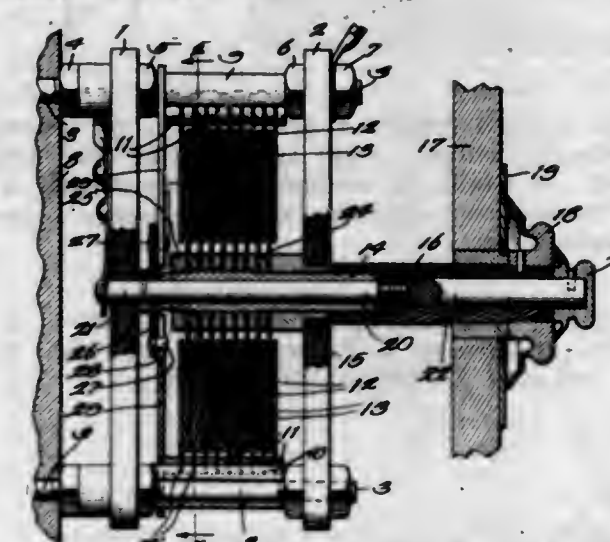
1. In a power driven sleigh, rear runner structures, housings carried by each of said runner structures and

mounted for vertical movement, guide rails carried by the sleigh, feed screws, plates adjustably supported by said feed screws, rollers carried by said plates and engag-



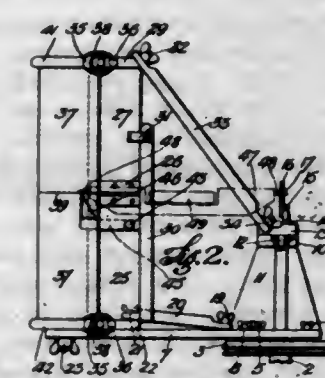
ing said guide rails, and means operated by movement of said plate along said feed screw for raising or lowering said housing.

1,514,295. CONDENSER. JOHN F. LINDBERG, Chicago, Ill. Filed July 5, 1922. Serial No. 572,873. 7 Claims. (Cl. 250-41.)



1. A condenser including two condenser sides formed of substantially parallel leaves and both mounted to turn; and an adjusting device individual to each condenser side for turning it with respect to the other condenser side, said adjusting devices being constructed to adjust the condenser sides pertaining thereto at different rates.

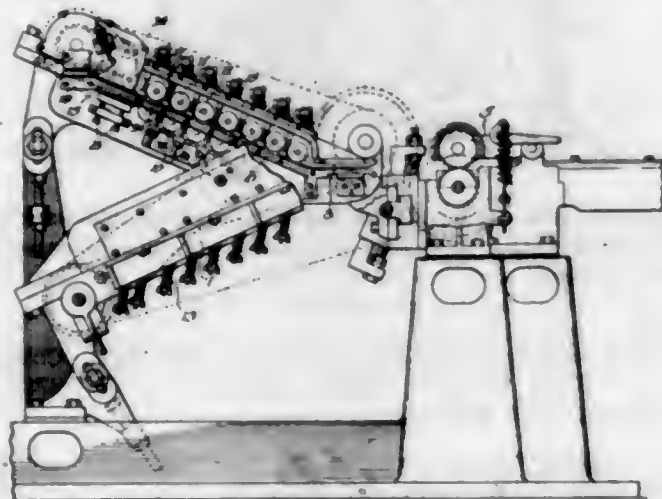
1,514,296. SKETCHING MEANS. JOHN WILFRED McCALLUM, Marceba, Queensland, Australia. Filed Apr. 26, 1921. Serial No. 464,763. 5 Claims. (Cl. 33-64.)



5. In combination, a tripod, a member rotatably mounted thereon, a peep hole mounted on the member at the axis of rotation and a transparent screen removably mounted on said member in concentric relation to the

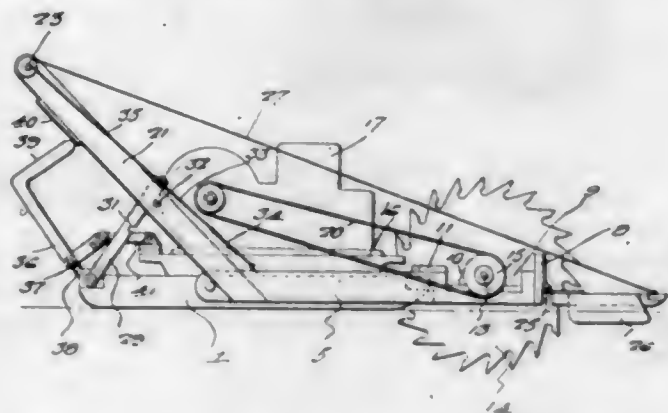
peep hole and formed to receive outline marking directly thereon, whereby an object observed from the peep hole through the screen and drawn on the latter will have a predetermined scale relation with the drawing on the screen.

1,514,297. EXPANDED-METAL MACHINE. JOHN MANORSKY, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed Dec. 8, 1922. Serial No. 605,612. 7 Claims. (Cl. 164—6.6.)



1. In a metal expanding device, means for expanding a previously slitted blank by deflecting the strands thereof, and means for retaining the edge portion of the blank in position beyond the expanding means to permit the metal to set.

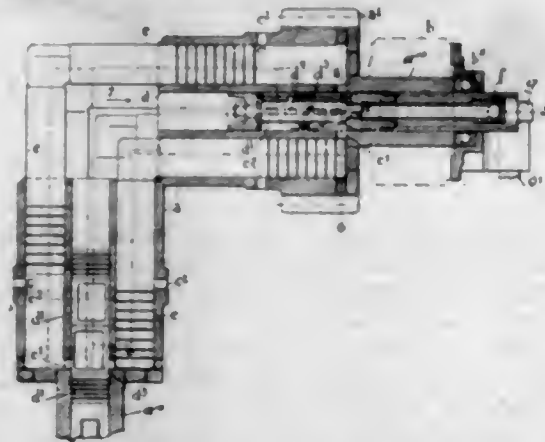
1,514,298. ICE-HARVESTING MACHINE. HANS MEIER, Middleburg, N. Y. Filed Apr. 11, 1924. Serial No. 705,854. 2 Claims. (Cl. 262—20.)



1. In an ice harvesting machine, in combination, a pair of spaced sleigh runners, a saw frame pivotally supported at its rear end thereon, the forward end of said saw frame extending beyond the forward ends of said runners, a shaft extending transversely across the forward end of said frame, a saw mounted on the outer end of said shaft, a power plant, means associated with said power plant and said shaft for rotating the latter, supporting means for said power plant adapted for longitudinal movement on said runners, levers extending upwardly from the rear ends of said saw frame, a handle supported in the upper ends of said levers, means for holding said saw frame in a raised position, comprising a pair of arms pivotally supported at their lower ends on the rear ends of said sleigh runners, said arms having notches formed therein, pins carried by said levers and adapted to be received in said notches, means for holding the notches in engagement with said pins, and means associated with said power plant supporting frame and operable by the upper ends of said levers for moving rearwardly said power plant and its supporting frame

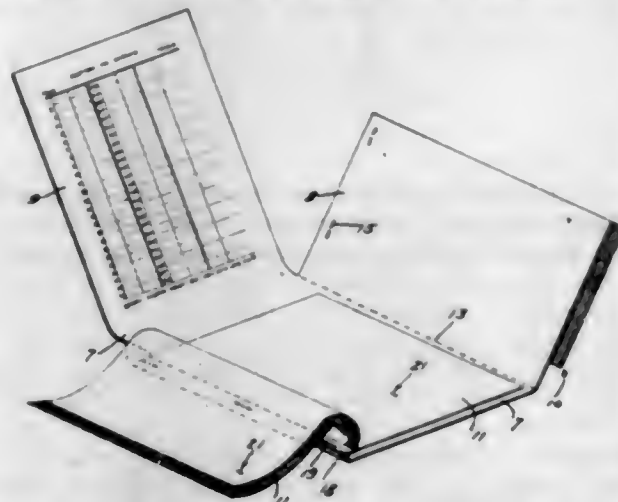
on said runners when the saw frame is raised, the lowering of the saw frame returning the supporting frame and power plant to initial position through the first mentioned means, so that said means has a constant driving relation with said shaft.

1,514,299. FLUID-PRESSURE ENGINE. JOHN MEREDITH, Handsworth, Birmingham, England, assignor of one-half to John Thomas Goodwin, Chesterfield, England. Filed Feb. 15, 1923. Serial No. 619,309. 4 Claims. (Cl. 121—62.)



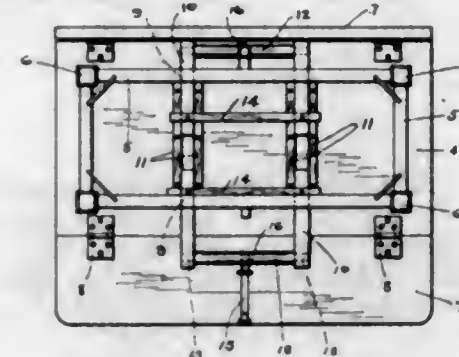
1. An improved fluid pressure engine having two rotating bodies, the axes of which are in one plane and at right angles to each other, a hollow shaft formed at one end of each rotating body, bearings in which the hollow shafts are mounted, cylinders having parallel axes arranged in a circle in each rotating body, inlet ports in each cylinder, double pistons, the two parts of which are connected at right angles and slide in and connect corresponding cylinders in each rotating body, an axial valve chamber, located partly within each hollow shaft and partly in each rotating body, a valve located in each axial valve chamber and having a lateral arc-shaped opening communicating simultaneously with several inlet ports, a supply pipe leading to the axial valve and means for allowing the cylinders to discharge, substantially as set forth.

1,514,300. TRIPPLICATE SALES BOOK. EDWARD L. MOONEY, Minneapolis, Minn. Filed June 6, 1921. Serial No. 475,221. 3 Claims. (Cl. 282—24.)



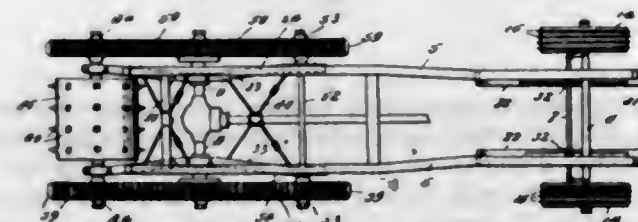
1. A triplicate sales book comprising a main back, a secondary back, said backs being connected, triplicate leaves attached to the upper edge of the secondary back and arranged to be folded therewith upon the main back, main leaves attached to the lower edges of the triplicate leaves and arranged to be folded thereon, duplicate transparent leaves attached to the opposite edge of the main back from the secondary back and arranged to be folded between the triplicate and main leaves, between the main and secondary backs and upon the stack of main and triplicate leaves, and a double-faced carbon sheet attached to and overlying the triplicate leaves.

1,514,301. TABLE. OTTO G. MUELLER, Sheboygan, Wis. Filed Nov. 28, 1921. Serial No. 518,313. 1 Claim. (Cl. 45—47.)



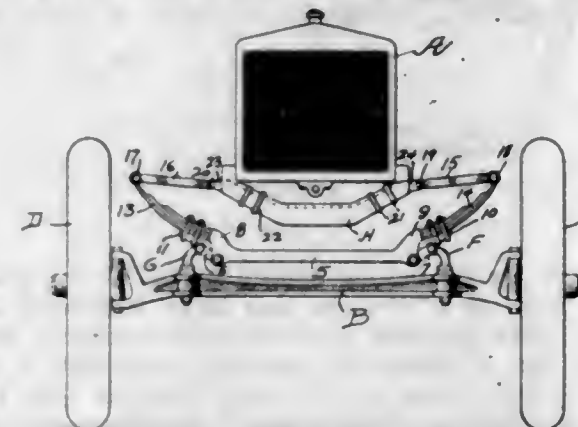
A table having a top portion, a leaf hingedly connected thereto, a pair of spaced bars positioned substantially transversely with respect to said leaf and slidably mounted on the under side of said top portion, a cross bar journaled in the outer ends of said slidable bars, and a handle fixed at one end to said cross bar and having its other end slidably associated with said leaf whereby said handle will be raised into a substantially horizontal position when said leaf is raised, for the purpose specified.

1,514,302. SLEIGH ATTACHMENT FOR MOTOR VEHICLES. WILLIAM CHESTER NASON, Waterboro, Me. Filed Mar. 27, 1923. Serial No. 627,977. 1 Claim. (Cl. 180—5.)



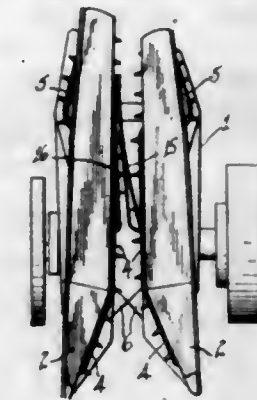
A motor vehicle sleigh attachment comprising a frame, dirigible runners supporting the forward end thereof, a driving shaft journaled in the rear portion of the frame, a frame pivotally mounted upon the driving shaft, driven shafts journaled in the second mentioned frame and located one at each side of the driving shaft, traction belts trained around the driven shafts and operatively connected with the driving shafts, and a traction drum mounted upon the driven shafts, which is located at the rear of the driving shaft.

1,514,303. SPRING SUSPENSION FOR VEHICLES. CHARLES A. RANCO, Merced Falls, Calif. Filed Dec. 26, 1922. Serial No. 609,053. 3 Claims. (Cl. 267—19.)



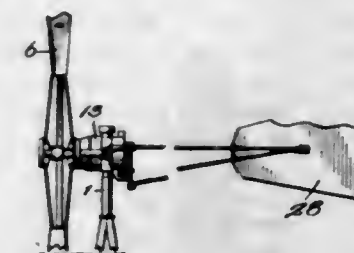
1. In a motor vehicle, an axle, a bar suspended thereover parallel thereto with freedom of endwise swinging motion forming an outwardly facing seat at either end and a leaf spring perched on each seat and curving upwardly, with the vehicle body suspended between the free ends of the springs.

1,514,304. ATTACHMENT FOR CORN BINDERS. ANTON RIEHLE, Fort Atkinson, Iowa. Filed Mar. 19, 1923. Serial No. 626,136. 1 Claim. (Cl. 56—60.)



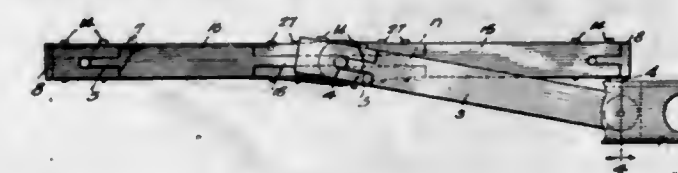
An attachment for a corn binder comprising supporting brackets adapted to be secured to a corn binder, a leaf spring carried by each bracket, the ends of said springs yieldingly engaging with each other, and a small leaf spring carried by each bracket, said small springs having their ends yieldingly engaging with the inner sides of said first named leaf springs, and terminating short of the ends of said first named springs, whereby said first and second named springs form a guide for the cut corn.

1,514,305. WINDMILL. DANIEL R. SCHOLES, Chicago, Ill., assignor to Aermotor Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1921. Serial No. 519,150. 2 Claims. (Cl. 290—55.)



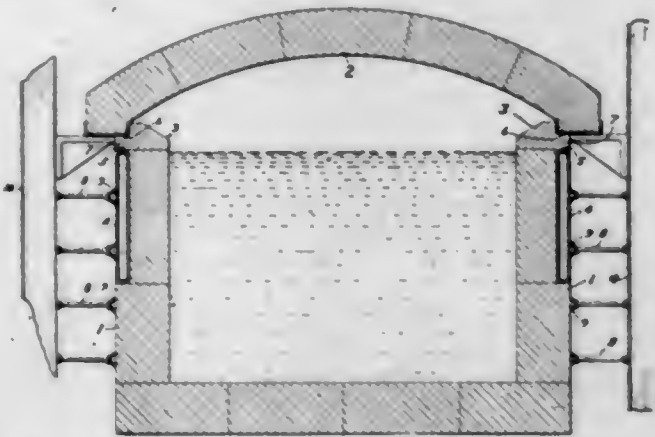
1. A windmill including a mill head; a mounting for the mill head defining a vertical axis of rotation therefor; a wind wheel mounted upon the mill head to have a horizontal axis of rotation; a mill vane upon the mill head, the axis of rotation of the mill head being between the mill vane and the wind wheel; a generator, in the form of a dynamo electric machine, mounted upon the mill head and disposed between the mill vane and the wind wheel, the axis of the mill head being between the axis of the wind wheel and the generator; and power transmission gearing coupling the rotor of the generator with the wheel and disposed upon the same side of the axis of the mill head with the vane.

1,514,306. ENGINE CONNECTING ROD. AARON SHEPHERD, Jr., Philadelphia, Pa. Filed June 1, 1921. Serial No. 474,232. 3 Claims. (Cl. 105—84.)



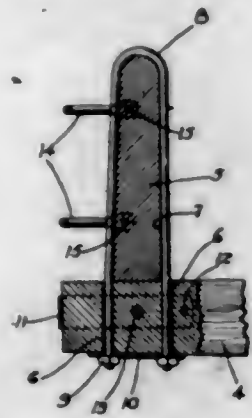
1. An engine connecting rod formed at its end with a tongue above and below which is a recess and a shoulder at the base thereof, and a cap formed with upper and lower members fitting in the recesses above and below the tongue and abutting the shoulders at the base of the tongue, the tongue fitting between the two members of the cap.

1,514,307. WATER-COOLED GLASS-TANK FURNACE. ARNO SHUMAN, Philadelphia, Pa., assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Jan. 28, 1920. Serial No. 354,554. 1 Claim. (Cl. 40-54.)



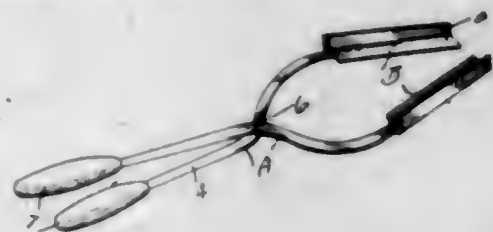
In a water cooled glass tank furnace the combination of a side wall provided at its top with an external cavity, a water cooled box arranged in the cavity and having its top flush with the top of the side wall, a roof spaced from the side wall, and a stone as 3 extending from the inner face of the tank between the top of the box and roof and stopping the space, substantially as described.

1,514,308. BOLSTER STAKE. JOHN H. ANDERSON, St. Paul, Minn. Filed Dec. 24, 1920. Serial No. 432,958. 1 Claim. (Cl. 180-143.)



The combination with a bolster, of a stake having a flat lower end seated loosely on the top of the bolster and having a groove extending up through one vertical face and down through its opposite vertical face, a U-shaped bolt fitting within said groove and bearing on the upper end of said stake the ends of said bolt passing through said bolster and having threads and nuts for drawing said bolt downward and clamping said stake entirely through the engagement of said bolt with the bottom and walls of said groove.

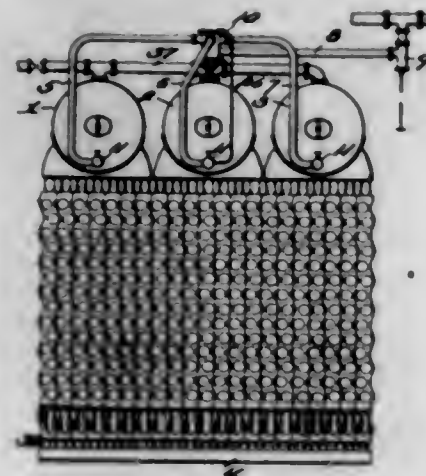
1,514,309. PAN LIFTER. NANNIE SUB BUGG, Roanoke Rapids, N. C. Filed June 7, 1922. Serial No. 566,616. 2 Claims. (Cl. 294-32.)



1. A pan carrier including jaw portions having free end portions and movable towards and away from each other, flat pan engaging and supporting strips formed of thin sheet material and secured longitudinally upon

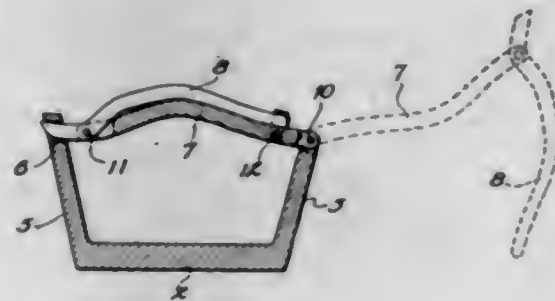
the upper faces of the free end portions of the jaws and extending beyond the inner side edges thereof and adapted to extend beneath a pan to be lifted by the carrier, said strips being bent to provide straight flanges extending upwardly from the outer side edge portions for engaging the sides of the pan resting upon the strips and to be lifted by the carrier.

1,514,310. DISTRIBUTION VALVE. ALEXANDER E. CAMERON, Providence, R. I., assignor to Narragansett Electric Lighting Company, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 18, 1922. Serial No. 554,799. 13 Claims. (Cl. 122-451.)



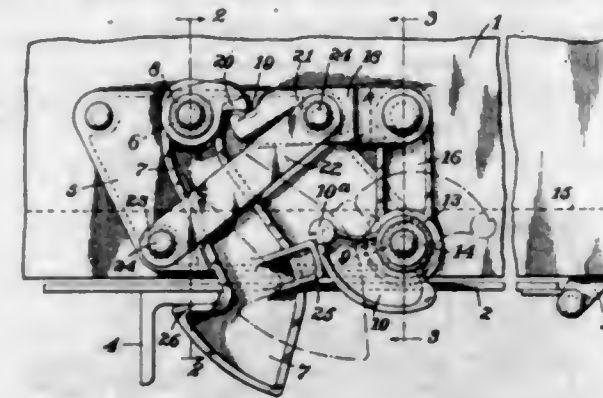
1. In a steam generating system comprising a plural drum boiler, a feed water conduit communicating with each drum, a source of water under pressure adapted to supply water to said drums through said conduits against the pressure of steam in said boiler, and means for imposing a pressure load upon said water additional to the pressure derived at said source, and in excess of the steam pressure of the boiler for increasing the velocity of flow thereof through said conduits.

1,514,311. MUD LUG FOR AUTOMOBILE WHEELS. GOLDY S. CASCADDAN, Pontiac, Mich. Filed Nov. 19, 1923. Serial No. 675,733. 2 Claims. (Cl. 152-2.)



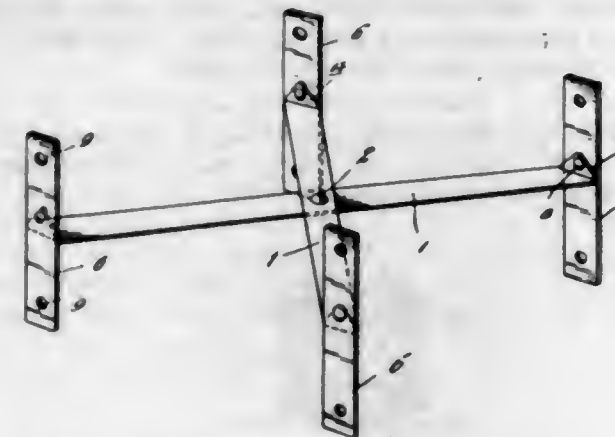
1. A mud lug comprising a body having an outer bar and end bars, one of the end bars being bifurcated and the other being provided with an aperture spaced from the outer bar, a locking bar hingedly connected at one end in the bifurcation of one end bar of the body and having a bifurcation in its opposite end, an angular lever fulcrumed at an intermediate point of its length in the bifurcation of the locking bar and having an outer reduced portion of circular form in cross-section and also having an inner tapered arm, and a ball-shaped keeper hingedly connected to the inner portion of the locking bar and adapted to be swung on and off the tapered end portion of the latch lever.

1,514,312. CAR-DOOR-LOCKING DEVICE. WILLIAM F. CREMEAN and WILLIAM M. BOSWORTH, Toledo, Ohio. Filed Mar. 17, 1922. Serial No. 544,432. 21 Claims. (Cl. 105-308.)



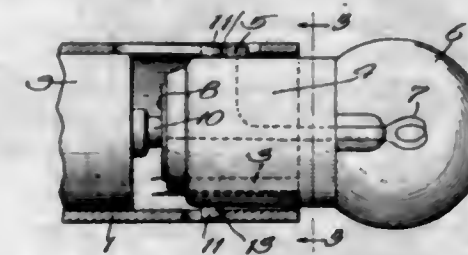
1. A car door locking device comprising a pivotally mounted hook which is capable of a slight vertical movement, a rotatably mounted dog, and means cooperating with said dog and said hook, whereby when said dog is rotated it will force the said hook upwardly and hold it in its forwardmost position.

1,514,313. RACK. MAGGIE DAVENPORT, Ionia, Mich. Filed Dec. 30, 1922. Serial No. 609,899. 1 Claim. (Cl. 248-41.)



A rack comprising a pair of metal strips arranged in cruciform relation and secured to each other at points midway between their ends for pivotal movement, the end portions of the strips being bent to provide securing tabs, said tabs being disposed in planes at acute angles to the median longitudinal dimensions of the strips and legs fixed to the outer surfaces of the tabs and disposed transversely across the ends of the strips, said legs being of flat material and having inner vertical edges disposed within the extremities of the strips and outer vertical edges disposed beyond the extremities of the strips.

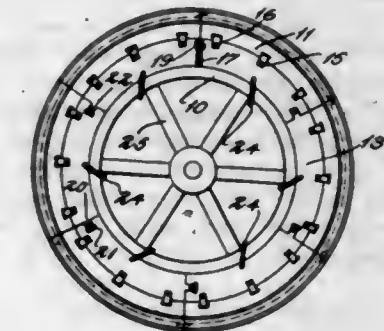
1,514,314. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed Apr. 4, 1921. Serial No. 458,557. 1 Claim. (Cl. 173-328.)



The combination with a cylindrical shell carrying a contact within its bore and formed at its outer end with a bayonet channel; of a cylindrical contact carrier having a bayonet projection receivable in said chan-

nel and engageable with a bayonet seat formed in said channel to engage the contacts carried by said shell and carrier; two laterally spaced apart projections carried by the shell and projecting within the bore thereof to engage said carrier; and a spring tongue also carried by the shell and having its free end opposite the space between said projections, this tongue end also projecting into the bore of the shell to engage the carrier, said bayonet seat being in the free end of said tongue which margins said channel.

1,514,315. AUTOMOBILE SAFETY TIRE. STEVE GAR- atch, Detroit, Mich. Filed Jan. 23, 1924. Serial No. 688,682. 1 Claim. (Cl. 152-16.)



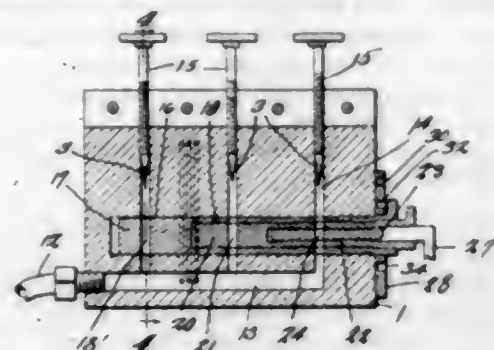
An anti-skidding device, comprising a sectional mantle with the sections interfitting and adapted to embrace the tread portion and a part of the side walls of the tire, depending flaps hingedly connected to each of said sections, the respective ends of each flap being formed with a tongue extension and a slot, the tongue extension of one flap being adapted to be passed through the slot of the adjacent flap, laterally extended flanges on the meeting edges of the terminal flaps of the device, said flanges being formed with bolt openings to permit fastening the device about the tire, and flexible connectors projecting from the free edges of opposing flaps and adapted to be interconnected inwardly of the wheel felly.

1,514,316. AMUSEMENT DEVICE. EDWARD HARDY, Colchester, Ill. Filed Jan. 4, 1922. Serial No. 526,882. 4 Claims. (Cl. 46-22.)



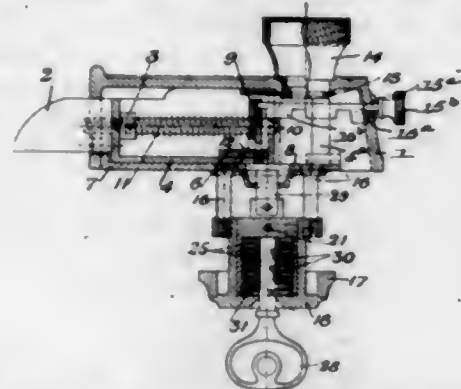
1. An amusement device of the character described, comprising a support, a beam pivoted at a point intermediate its ends upon said support and adapted for vertical rocking movement, a cross member at each end of the beam, a frame carried by each cross member adapted for transverse swiveling movement with relation to the beam, and a hoop supported within each frame and adapted for permitting the weight of the person seated within a frame to be shifted to cause rocking movement of the beam.

1,514,317. CARBURETOR. WILLIAM A. HEIDE, Detroit, Mich. Filed Oct. 1, 1919. Serial No. 327,779. 3 Claims. (Cl. 277-1.)



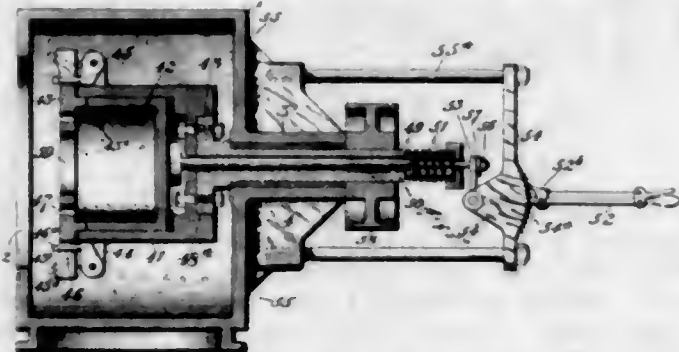
1. In a carburetor, the combination with separate stationary fuel passages, of nested screw threaded valves in engagement with each other and mounted for independent and simultaneous rotation, said valves having passages therethrough normally registering with each other and with the fuel passages, and means for simultaneously and separately rotating the valves to impart relative annular and longitudinal movement thereto to move the passages in the valves gradually into or out of register with each other and with the corresponding stationary passages.

1,514,318. SAFETY LOCK. EMIL WILHELM HENRIKSSON, Helsingfors, Finland, assignor to Josef Herman Nordqvist, Helsingfors, Finland. Filed May 29, 1919. Serial No. 300,753. 6 Claims. (Cl. 70-46.)



2. A safety lock comprising a cylinder, and a number of discs therein arranged to revolve on their centres, said discs being provided with semicircular axial holes, uniform in size and shape and through which holes the key extends, said discs being also fitted with notches in the periphery, and so arranged that one side of the notch facilitates the lifting of a fastening bolt, the notches being arranged in definite, variable position in relation to the key hole.

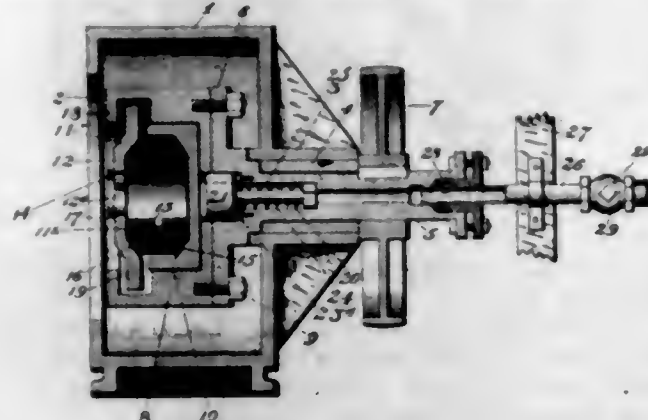
1,514,319. CENTRIFUGAL CASTING MACHINE. WALTER T. JANNEY, Philadelphia, Pa. Filed Sept. 9, 1922. Serial No. 587,111. 4 Claims. (Cl. 22-65.)



1. In a device of the character described, a revolving support; a mold carried thereby and having guided movement thereon; a lid and means for rigidly holding the same on the revolving support, said lid having an

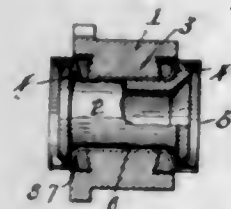
annular inwardly extending flange adapted to engage the forward end of the mold to form an extension thereof; a plunger carried by the revolving support and adapted to engage the inner end of the mold; and a spring for normally pressing the plunger toward the mold to hold the mold in yielding engagement with the lid.

1,514,320. CENTRIFUGAL CASTING MACHINE. WALTER T. JANNEY, Philadelphia, Pa. Filed Sept. 13, 1922. Serial No. 587,993. 4 Claims. (Cl. 22-65.)



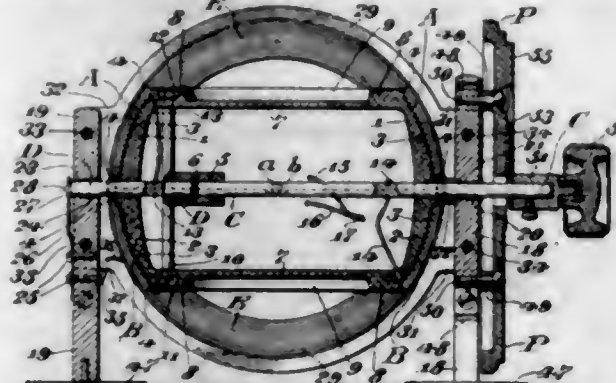
1. In centrifugal casting machines, a revolvable basket open at its front end; a mold received into the basket; a lid held at the open end of the basket, the mold being movable relatively to the lid; a plunger for pressing the mold into engagement with the lid; means for operating the plunger with compressed air, said parts having means for the escape of a portion of the compressed air into the revolvable basket to cool the mold.

1,514,321. COMMUTATOR. WALTER H. JEFFERY, Toledo, Ohio. Filed Oct. 2, 1922. Serial No. 591,996. 4 Claims. (Cl. 171-321.)



3. An insulator for the space between the segments and spool of a commutator, such insulator comprising two sections fitting together edge to edge and cooperating to entirely embrace the spool, each section being substantially coextensive with the length of the spool and having a portion which fits down into the spool groove in engagement with its shank and flanges at its end portions which extend out around the respective spool flanges in embracing relation thereto.

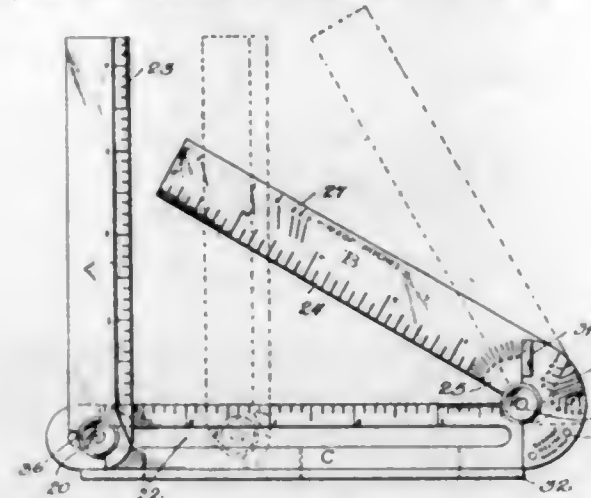
1,514,322. VARIABLE-COIL STRUCTURE. ARTHUR ATWATER KENT, Ardmore, Pa. Filed Oct. 16, 1923. Serial No. 668,905. 47 Claims. (Cl. 171-119.)



1. A variometer, vario-coupler or the like comprising hollow coil supports of molded insulating material, coils thereon, rotatable shaft structure, and means within

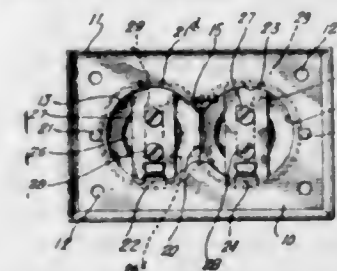
said coils and extending transversely of the axis of said shaft structure holding said hollow coil supports to each other and clamping them at their opposite ends to said shaft structure.

1,514,323. SINE AND ANGLE CALCULATOR. JOHN J. KIRCHNER, Baltimore, Md. Filed Mar. 13, 1922. Serial No. 543,236. 2 Claims. (Cl. 33-98.)



1. A calculator comprising a base member in combination with oppositely pivoted arms, said base member being provided with a longitudinal groove, the upper edge of the base member being graduated, a head piece rigidly secured to the lower edge of the base member, a semi-circular head positioned at one end of the base member having calibrations along the outer edge thereof, and having a beveled inner edge, one arm being pivoted at the semi-circular head and carrying a zero point on its upper edge adapted to coact with the calibrations on the semi-circular head, the other arm being pivoted in the base for longitudinal movement therein, a lug on said latter arm adapted to move in the aforesaid groove, said lug carrying a pin to limit the movement of the arm pivoted thereby, this arm having its inner edge beveled and graduated and adapted to cooperate with the base and the opposite arm to give desired angles and calibrations.

1,514,324. PUSH-BUTTON-SWITCH CONSTRUCTION. KNUT KNUDSEN, Danbury, Conn. Filed Aug. 31, 1923. Serial No. 660,276. 9 Claims. (Cl. 200-168.)

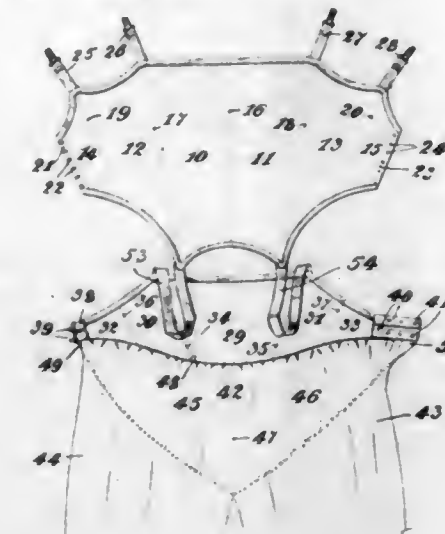


1. In construction for push buttons and the like, in combination, a casing formed to provide a plurality of chambers, each having projecting therethrough a manually controlled switch actuating member, a pair of oppositely disposed flange portions each inwardly directed and adjacent the plane of the base of said casing, and means carrying connecting mechanism adapted to be supported upon said oppositely disposed flange portions for presenting said switch mechanism for actuation by said manually controlled members, said chambers having an inter-communicating passage through which said means may be inserted into said casing beyond the plane of said flange portions and by rotation thereof relative to said casing to be swung into supporting position upon said oppositely disposed flange portions.

9. In construction for push buttons and the like, in combination, a sheet metal casing shaped to provide a plurality of adjacent, overlapping and substantially

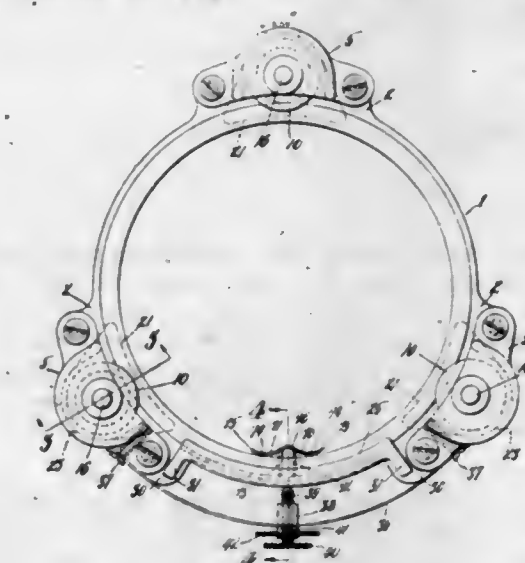
dome-shaped chambers, a push button projecting through each chamber, a switching mechanism for each chamber, and means mounting said switching mechanisms relative to said casing for actuation each by one of said push buttons.

1,514,325. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor to Kops Brothers, New York, N. Y., a Firm. Filed Nov. 21, 1922. Serial No. 602,326. 4 Claims. (Cl. 2-30.)



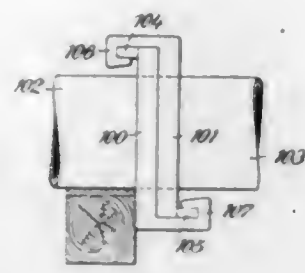
1. An apparel garment comprising a bust member adapted to extend and to be secured in position on the body of the wearer and having a triangular extension depending from the lower edge thereof, a hip, thigh and abdominal member also adapted to extend around and to be adjusted to position on the body of the wearer, the said members completely covering the body from substantially the bust to the thighs, and a drawers member connected to and depending from the lower edge of the said triangular extension depending from the bust member, the said hip, thigh and abdominal member being adapted to overlap the lower portions of the bust member and portions of the triangular extension depending therefrom and also portions of the said drawers member.

1,514,326. RING TRAVELER. WILHO A. KOSKEN, Boston, Mass., assignor, by mesne assignments, to Benjamin Farnham Smith, Concord, Mass. Filed Nov. 8, 1922. Serial No. 599,638. 18 Claims. (Cl. 118-56.)



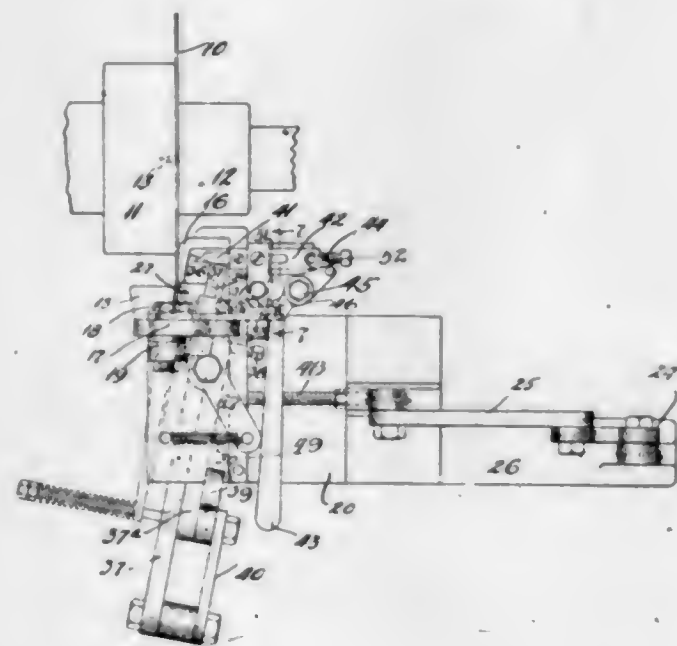
1. A device of the class described comprising a ring, and a plurality of flanged rollers spaced about the periphery of said ring in the same plane therewith and supporting the same for axial rotation between the flanges, the flanges of said rollers projecting over and contacting with the faces of said ring.

1,514,327. PIPE JOINT FOR IRRIGATION SYSTEMS. WALTER KRAUSE, Friesack, Germany. Filed May 21, 1920. Serial No. 383,321. 3 Claims. (Cl. 285-143.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



3. A pipe joint comprising flanges formed on the pipes to be coupled, at least one of said flanges being formed with a claw embracing the other one for spacing the pipes and forcing the flanges together, and a clearance provided between the claw and flange in position for disconnecting the flanges by means of a wedge inserted therein.

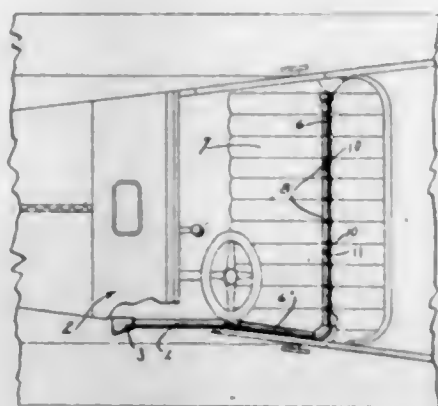
1,514,328. GASKET-SPINNING MACHINE. MURDOCH MATHESON, Chicago, Ill., assignor to Rowland B. Anthony, Chicago, Ill. Filed May 11, 1923. Serial No. 638,196. 7 Claims. (Cl. 113-52.)



1. A metal spinning machine comprising means adapted to turn over the edge of a metal plate at right angles, mechanism for trueing the edge of said turned over portion, means for further spinning said turned over portion into a return bend, and mechanism adapted to sever the annulus so formed from the balance of the metal plate.

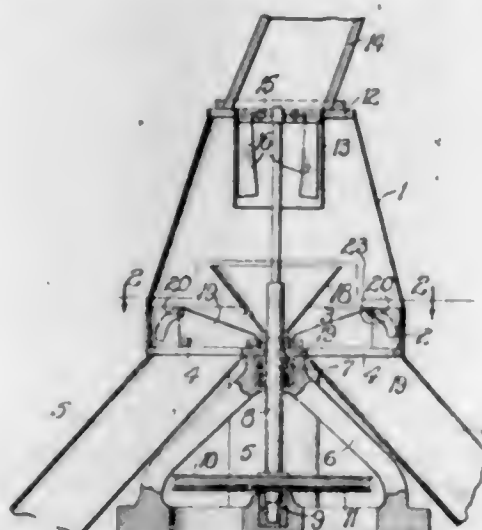
1,514,329. VENTILATING SYSTEM FOR VEHICLES. WALTER N. METCALF, Evening Shade, Ark. Filed July 26, 1923. Serial No. 654,041. 1 Claim. (Cl. 98-22.) In combination with a motor vehicle and a seat therein, of an air circulating pipe extending horizontally in the body of said vehicle, the inlet of said air pipe extending outwardly from the body of said vehicle, a screen for the said inlet end of said circulating pipe, a transverse pipe associated with the opposite end of said air circulating pipe, said transverse pipe extending longitudinally

at the back of said seat, said transverse pipe provided with a series of apertures for the purpose of admitting cool air at the back of said seat, and a plate



slidably mounted in said transverse pipe and adapted to cover said apertures, said slidable plate adapted to move longitudinally and vertically guided by slots formed in said transverse pipe adjacent said apertures.

1,514,330. MACHINE FOR DIVIDING STREAMS OF STOCK IN MILLS. BURTON NEAL, St. Louis, and GEORGE H. HENNEBRAND, Kinloch, Mo. Filed Nov. 20, 1923. Serial No. 676,922. 6 Claims. (Cl. 83-44.)

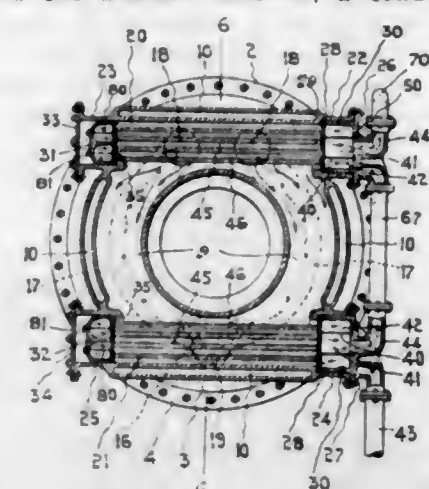


1. A machine for dividing a flowing stream of stock into a number of streams quantitatively uniform, comprising a casing having spouts leading therefrom at equidistant points around its bottom, a centrifugal distributor rotatably mounted within said casing, a stock delivery spout communicating with an opening in the top of said casing, a housing depending from the top of said casing around said opening, a plurality of pivotally mounted paddles located in said housing, and means for rotating said distributor and said paddles.

1,514,331. ENGINE. WILLIAM A. NEWMAN, Montreal, Quebec, Canada. Filed Mar. 12, 1920. Serial No. 365,371. 6 Claims. (Cl. 122-425.)

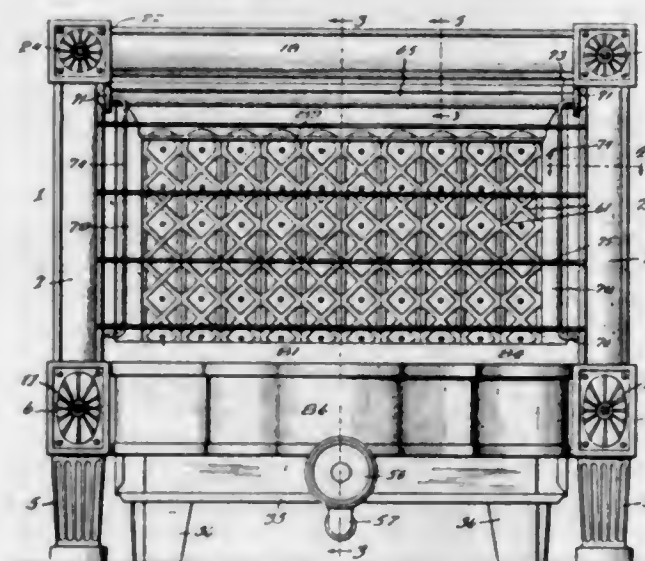
2. In a locomotive the combination with the smoke box, boiler and steam exhaust fitting, of a feed water heater consisting of a chambered closure for the front end of the smoke box, a hollow annular steam receiver within said closure and formed integrally therewith and spaced therefrom to present an insulating space, said closure and receiver having top and bottom lateral extensions on opposite sides thereof, a tube sheet within each of said extensions, transversely extending feed water tubes located within said receiver with their ends mounted in said tube sheets, headers coacting with the

tube sheets in directing the flow of feed water through the tubes, an intake connection between the exhaust fitting and the annular receiver, a condensation outlet



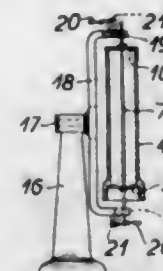
connection between said receiver and the fitting, means supplying feed water to the tubes and means conveying the preheated water to the boiler.

1,514,332. HEATER CONSTRUCTION. FRANK A. NIEBERDING, Cleveland, Ohio. Filed Nov. 3, 1923. Serial No. 672,482. Renewed July 30, 1924. 19 Claims. (Cl. 126-92.)



2. An open front heater comprising a front frame and a casing to the rear thereof, the top member of the front frame being spaced from the top of the casing, a visor extending forwardly from top of the casing beneath the top member of said frame, and a burner situated within the casing.

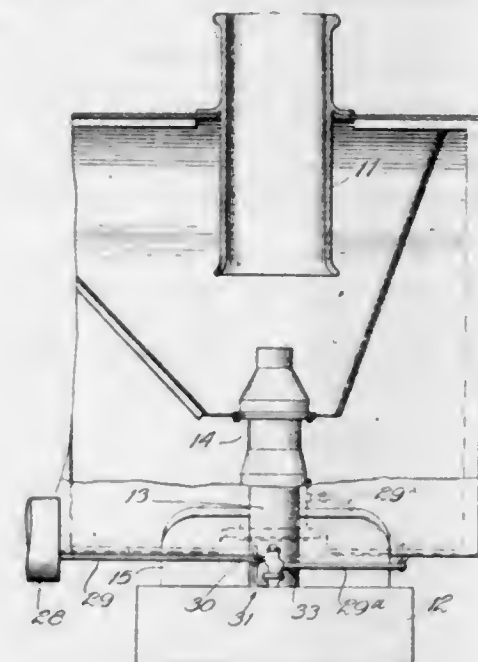
1,514,333. METHOD OF TRANSPORTING CLAY PIPES FROM THEIR MOLDING PRESSES TO THE DRYING ROOM. ANTON HEINRICH OOMS, Frechen, near Cologne, Germany. Filed May 2, 1924. Serial No. 710,690. 1 Claim. (Cl. 214-152.)



The method of transporting clay pipes from vertically operating clay pipe molding presses to the drying room which consists in passing a carrying rod axially through the pipe and a supporting plate upon which the pipe is seated by its socket-end, releasably connecting the carrying rod with the said plate, passing another supporting plate over the carrying rod so as to be placed on the socketless end of the pipe and releasably con-

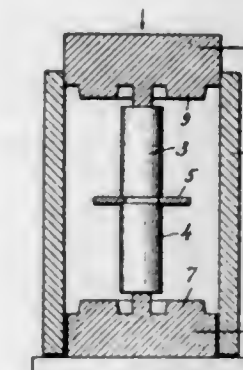
necting the last-mentioned plate with the carrying rod, conveying the pipe thus suspended in vertical position from the carrying rod to a turning device, turning the pipe upside down by means of that turning device and thereupon transporting it in vertical position by means of the carrying rod to the drying room where the carrying rod is put down by its lower end on the floor, the secondly mentioned supporting plate disengaged from the rod and the pipe allowed to glide down along the rod and to be deposited on the floor with the said supporting plate at its socketless end.

1,514,334. EXHAUST MECHANISM FOR LOCOMOTIVES. JOHN E. OSMER, Owosso, Mich., assignor of one-half to Frederick H. Smith, Columbus, Ohio. Filed July 19, 1920. Serial No. 397,359. 40 Claims. (Cl. 162-7.)



1. In combination with a locomotive exhaust passage, a source of air supply and a source of steam supply, a valve for said passage adapted to be actuated by pressure fluid, and controlling mechanism for said valve comprising a casing having an inlet communicating with the air supply, an inlet communicating with the steam supply, an outlet connected with said passage for supplying pressure fluid to said valve to actuate it, and an exhaust port, and means operable in said casing by pressure at the steam inlet to control communication between the air inlet and said outlet and between said outlet and said exhaust port.

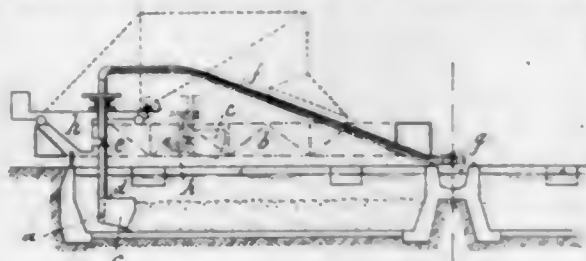
1,514,335. PRESS FORGING AND SIMILAR OPERATION. GEORGE H. PHELPS, Warehouse Point, Conn., and THOMAS E. MURRAY, Jr., Brooklyn, N. Y.; said Phelps assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Dec. 15, 1921. Serial No. 522,480. 7 Claims. (Cl. 219-3.)



1. In press forging and similar operations using a mold, the method which consists in heating the metal to be forged by the passage of an electric current through

a circuit including such metal and a part of the molding surface and pressing the metal into the shape of the mold by means engaging the metal at a point within the mold.

1,514,336. DISCHARGING DEVICE FOR SLUDGE BASINS. MAX PRÜSS, Essen, Germany. Filed Oct. 26, 1922. Serial No. 597,213. 6 Claims. (Cl. 37-63.)



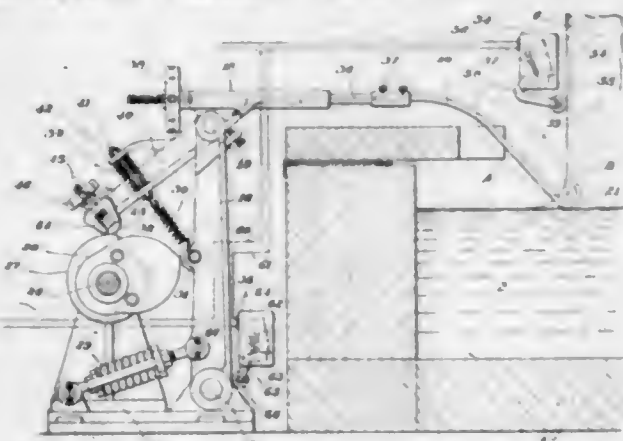
1. In a discharging device for sludge basins, the combination of a bridge movable over the basin, and a suction shovel movable along and adjustable in its position of height on said bridge, substantially as set forth.

1,514,337. CLOSING DEVICE FOR BOTTLES, PRESERVE GLASSES, AND THE LIKE. CARL ADOLF RAPPENECKER, Untertürkheim, Germany. Filed Nov. 20, 1922. Serial No. 601,950. 5 Claims. (Cl. 215-7.)



1. A closing device for bottles and the like consisting of a cap having flap-like extensions the bottle neck having a collar with vertical grooves, comprising in combination with the cap having a boring in its edge, the flap-like extensions of the cap, the collar of the bottle neck having vertical grooves and indentations in its lower surface, noses of said extensions of the cap designed to engage with said indentations in the lower surface of the collar to secure the cap in its closing position, a seal consisting of a disk with a shaft mounted in said boring of the cap so that the shaft projects into one of the vertical grooves of the collar of the bottle neck and when the cap is being rotated breaks off by striking against the wall of said groove indicating thus the unauthorized opening of the closing device.

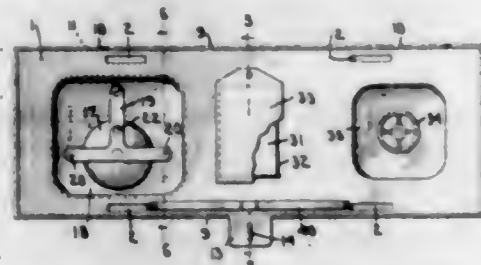
1,514,338. EDGE-HOLDING DEVICE FOR SHEET GLASS. JOSEPH H. REDSHAW, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 11, 1923. Serial No. 662,057. 7 Claims. (Cl. 49-17.)



7. The combination with apparatus for drawing a sheet of glass from a molten bath, of means for preventing the inward movement of the edge of the sheet comprising a pair of fingers spaced apart to receive the edge of

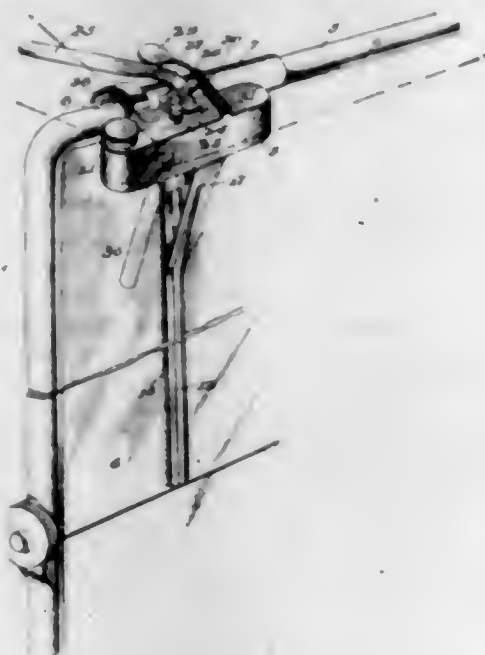
the sheet, and driving means including an electric motor for moving the fingers at intervals downward into the glass bath and outward, a device comprising a member yieldingly pressed against the edge of the sheet and a switch operable therefrom for governing the supply of current to said motor so that the motor is stopped when the edge moves out beyond a predetermined point, and is started when it moves in beyond a predetermined point, and means for preventing the stopping of the motor until said fingers are withdrawn from the glass bath.

1,514,339. AUTOMOBILE THEFT INDICATOR. DANIEL REISER and ORIN J. REISER, Cleveland, Ohio. Filed May 21, 1921. Serial No. 471,445. 4 Claims. (Cl. 116-33.)



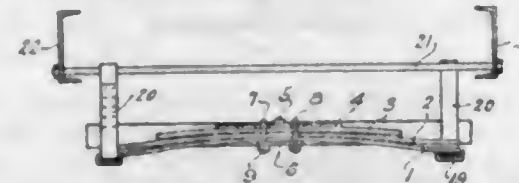
1. A theft indicator for automobiles comprising an open housing, means controlling the fuel supply of said automobile located within said housing, and a reversible plate carrying a theft indicating inscription on one side thereof and arranged to carry a license plate on the other side thereof and arranged to be secured to said housing to close said housing.

1,514,340. LIQUID SPREADER FOR WINDSHIELDS. ROBERT LAWRENCE RICE, Sr., and WILLIAM MARTIN JORDAN, Jr., Hovey, Miss. Filed June 10, 1922. Serial No. 567,476. 7 Claims. (Cl. 15-251.)



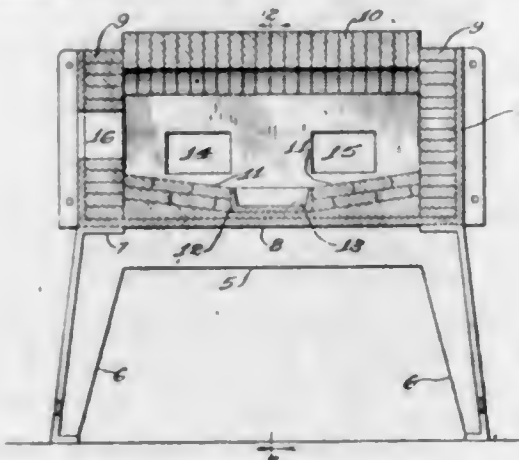
1. In a wiper and liquid spreader for use with wind shields, a carrier comprising a split sleeve of resilient metal adapted for releasable engagement with the frame of a wind shield, a reservoir supported upon said sleeve, a combined wiper and spreader arm depending from the reservoir, strips of felt carried by the arm and defining a channel, a connection between the arm and the reservoir, said connection having a passage affording a passage between the reservoir and the channel of said arm, means for releasing the sleeve from gripping engagement with the wind shield to facilitate movement of said device, and manually controlled valve means for regulating the flow of liquid from the reservoir to the channel of the arm.

1,514,341. AUXILIARY SPRING SNUBBER. JOHN P. RICHTER, Birmingham, Ala., assignor of three-fourths to Sallie M. Bradley and one-fourth to T. M. Bradley, Jr., both of Birmingham, Ala. Filed Aug. 6, 1923. Serial No. 656,032. 6 Claims. (Cl. 267-45.)



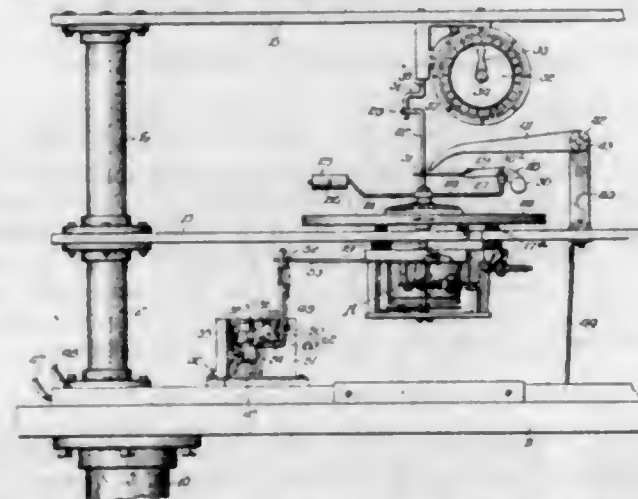
2. The combination with a vehicle body having a cross brace rod, of straps hung on said rod, an auxiliary snubber spring disposed transversely under the vehicle body, means to mount said spring at its center in overhanging position on the adjacent vehicle axle beneath said rod, said spring comprising a series of leaves of different length and disposed to come successively into play, and means to connect the straps to the free ends of the lowermost leaf of said auxiliary spring.

1,514,342. FURNACE. CHARLES J. RINGSTROM, Chicago, Ill. Filed Nov. 26, 1923. Serial No. 676,907. 2 Claims. (Cl. 263-40.)



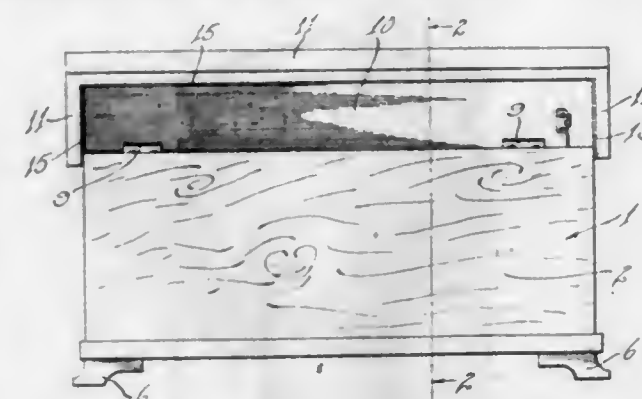
1. A furnace of the class described having a floor provided with oppositely inclined and spaced surfaces and having means for access thereto, and an upwardly open removable container located between the adjacent edges of said surfaces with its upper edge substantially flush therewith.

1,514,343. SPRING-MOTOR-TESTING DEVICE. GORDON E. ROEDDING and FRED H. DORR, Grand Rapids, Mich., assignors to Cheney Talking Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 2, 1921. Serial No. 441,748. 8 Claims. (Cl. 73-58.)



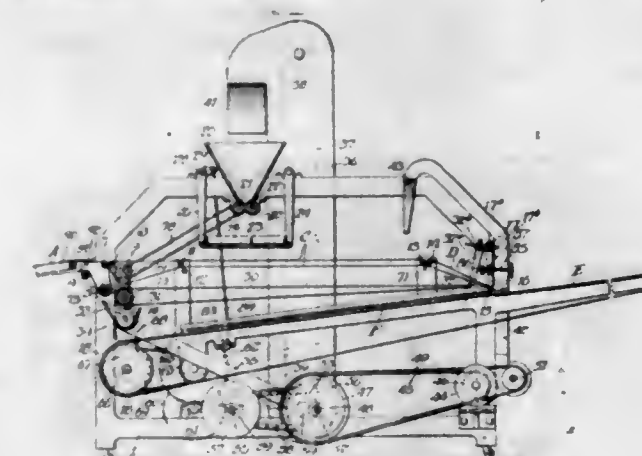
1. A device for testing the speed of motors, including a shaft adapted to be driven by the motor under test, a brake for said motor, and operating means for said brake, operative to set said brake when the speed of said motor falls below a predetermined rate.

1,514,344. CEDAR CHEST. EDWARD ROOS, River Forest, Ill. Filed Dec. 21, 1922. Serial No. 608,295. 1 Claim. (Cl. 217-56.)



The combination with a cedar chest having a cover provided with depending portions at the periphery thereof arranged to encompass the side walls of said chest at their upper edges, said depending portions having recesses in their inner side walls, a strip of fibrous packing material carried on the inner wall of said depending portions and partially disposed in said recesses, whereby said strip may closely contact the side walls of said chest when said cover is closed.

1,514,345. MACHINE FOR APPLYING A TOP COATING OF COMMUNUTED MATERIAL TO CONFECTION-COATED WAFERS. FERDINANDO G. SALERNO, Chicago, Ill. Filed June 10, 1921. Serial No. 476,424. 19 Claims. (Cl. 107-1.)

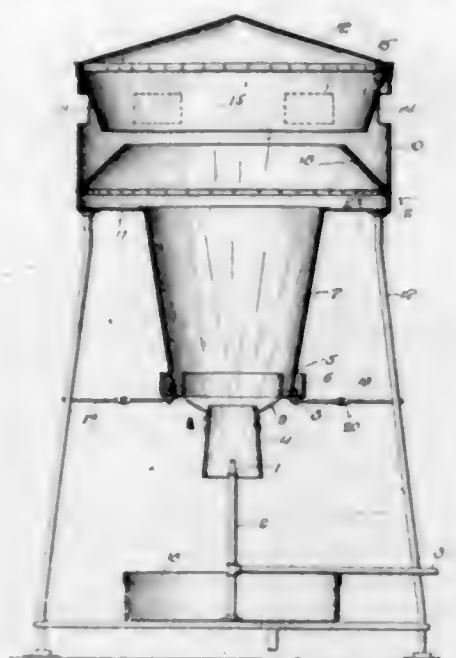


12. In a machine of the character described and having an endless meshed conveyor belt having a loop adjacent one end of the machine arranged to engage a driving roller, an endless collecting apron below said conveyor belt having a loop arranged to engage a driving roller below said first-mentioned driving roller, an endless receiving belt having its upper reach in alignment to the upper reach of said conveyor belt and arranged to engage a driving roller which is disposed forwardly and adjacent said second-mentioned driving roller, said first and second mentioned driving rollers having shafts equipped with intermeshing gears and said third-mentioned driving roller being provided with a gear meshing with the gear secured to said second-mentioned driving roller.

1,514,346. SPRAY TOWER. BERT R. SAUSEN, Chicago, and HARRY D. BINKS, River Forest, Ill., assignors to Binks Spray Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 27, 1922. Serial No. 532,292. 15 Claims. (Cl. 183-24.)

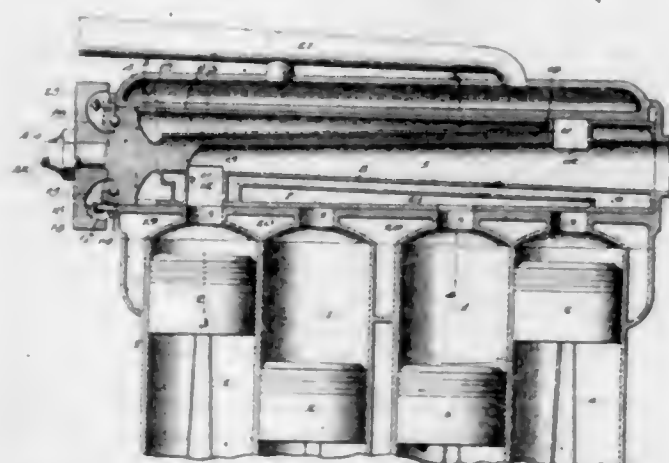
1. A spray cooling tower comprising a substantially vertical casing having an enlarged upper portion equipped with an opening, means for spraying liquid upwardly into the casing and entraining air upwardly into the same by the spraying, and deflecting means

within the enlarged upper portion for directing spray downwardly of the casing while permitting the moistened air to pass out through the opening, the deflecting means



Including a downwardly flaring annular shield and a second annular shield spaced from and disposed above the aforesaid shield and larger at its lower end than the upper end of the aforesaid shield.

1,514,347. ROTARY SLEEVE VALVE. WALTER SCHMID and HANS HANHART, Huntington Station, N. Y. Filed Nov. 13, 1920. Serial No. 423,976. 4 Claims. (Cl. 123-59.)



1. A rotary valve for internal combustion engines comprising tapered sleeve inner and outer spaced shells defining intake and exhaust manifolds, both of said shells being of taper formation and arranged with the taper running in the opposite direction to the taper of the sleeve, the spaces between said shells constituting a vacuum chamber for insulating said intake manifold from the heat of said exhaust manifold.

1,514,348. INSECTICIDE. MAX Y. SEATON, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Jan. 27, 1919. Serial No. 273,237. 6 Claims. (Cl. 167-6.)

1. A composition of matter for insecticidal use comprising a substantially insoluble arsenical and a small percentage of a soluble casein compound admixed therewith.

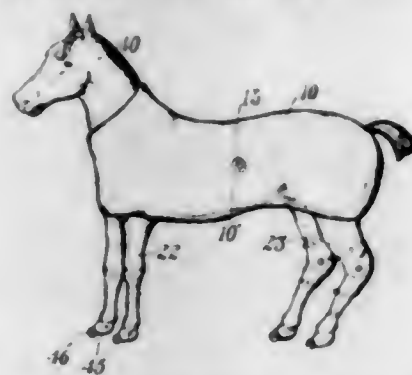
6. A composition of matter for insecticidal use comprising lead arsenate and approximately four per cent of the sodium salt of casein admixed therewith, both of said ingredients being dry and finely pulverized.

1,514,349. TRAP. EDWIN F. SEVERTS, Clarkfield, Minn. Filed Aug. 26, 1922. Serial No. 584,416. 1 Claim. (Cl. 43-92.)



In a trap including a base, spring actuated jaws pivoted thereon, a spring for urging said jaws into clamping relation and a catch for holding the jaws separated, a releasing treadle operatively connected with the catch and of frusto-conical shape with an out-turned bottom flange, and a guard flange rising from the base and fitting snugly about the treadle, the guard flange being likewise of frusto-conical shape with an intumed flange and co-operating with the treadle to limit upward movement of the latter when the trap is set.

1,514,350. MECHANICAL HORSE. JOHN L. SIKORA, Waterford, Conn. Filed Feb. 17, 1923. Serial No. 619,540. 3 Claims. (Cl. 46-40.)



1. A mechanical toy comprising a body, a frame therein, motor mechanism on said frame, leg elements, connections mounting said leg element on said frame to permit oscillatory and longitudinal movement of said leg elements, shafts driven by said motor mechanism, eccentrics on said shafts, rods connecting to said leg elements, and cam members connected to said shafts to be driven turn for turn with the latter and operatively engaged with said legs.

1,514,351. PROCESS FOR MANUFACTURING SHELLS FOR BODIES OF SHIPS. WALDO FRIEDRICH HERRMANN STRELOW, Hamburg, Germany. Filed Oct. 5, 1921. Serial No. 505,549. 3 Claims. (Cl. 9-6.)

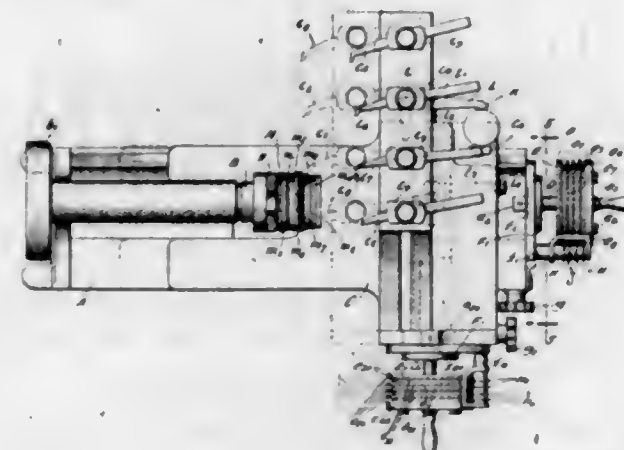


1. A method for forming a sheet metal shell of a ship body, comprising, forming a sheet of sufficient size to form a complete shell by means of connecting together a plurality of relatively small metal plates, then bending the thus formed sheet about a longitudinal center line to form the complete shell, fitting a stem to the bent metal sheet, inserting ribs and stringers into the shell, fitting a bulkhead to the rear portion of the shell, and attaching a stern to the shell and the bulkhead.

1,514,352. METHOD AND MEANS OF MOUNTING LENSES. WILLIAM TAYLOR and ARTHUR WARMISHAM, Leicester, England. Filed July 6, 1921. Serial No. 482,845. 9 Claims. (Cl. 82-1.)

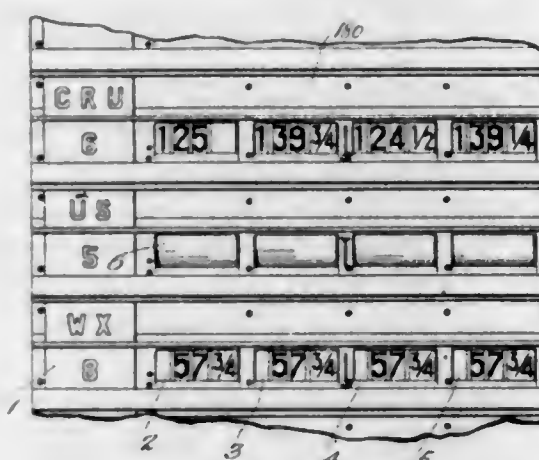
1. The method of mounting a plurality of lens systems which are nominally alike, so as to accommodate for variations in the component lenses of the systems, which consists in measuring the focal lengths of the

lenses composing each system, determining from such measurements the positional relations of the abutment surfaces of the setting necessary to secure the best results from a combination of the component lenses of each system, forming the said surfaces in such predetermined positional relations, and then mounting the lenses in the settings so formed.



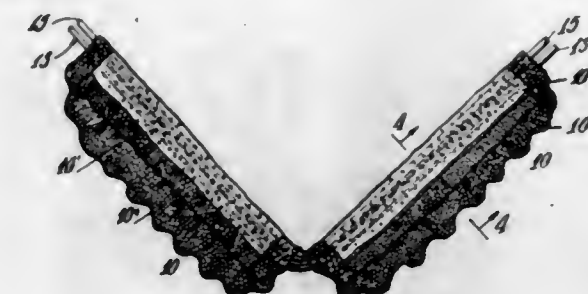
8. Apparatus for adjusting the settings of a lens mounting, comprising a spindle adapted to rotate a setting about its axis, a slide to which a plurality of tools adapted to form abutments upon the settings of said mounting are secured, a screw for moving said slide, a drum upon said screw, a plurality of rings rotatably mounted upon said drum, a stop upon each of said rings, means for locking said rings with said stops in adjusted position, a plate rotatably mounted coaxially with said screw, means for rotating said plate independently of said screw, and a plurality of stops mounted on said plate and independently movable into and out of position to come into contact with the stops on said rings.

1,514,353. REGISTER AND INDICATOR. WINTHROP G. THOMAS, Blue Hill, Me., assignor to Batavia Service Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 7, 1919. Serial No. 336,329. 51 Claims. (Cl. 177-337.)



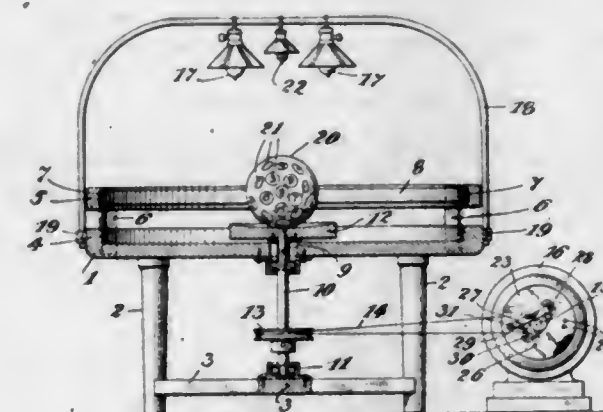
1. A display apparatus comprising in combination operator controlled means for indicating the current quotation of a given object, means for registering the initial quotation of said indicating means, means whereby said current quotation indicating and initial quotation registering means may be locked to move in unison, and means whereby said locking means may release said registering means to permit it to stand at the position taken by it after its initial movement irrespective of subsequent movements of said indicating means.

1,514,354. ADJUSTABLE NECKWEAR. MARY THRASHER, Nashville, Tenn. Filed Jan. 9, 1924. Serial No. 685,192. 6 Claims. (Cl. 2-133.)



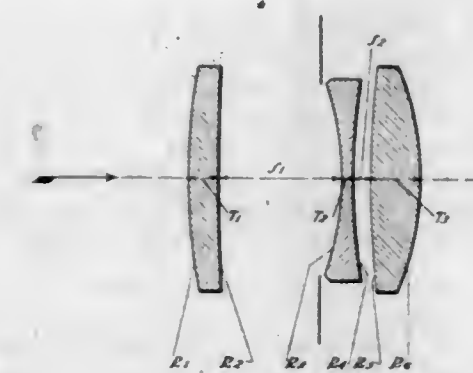
1. A collar of the type described comprising two separate pieces of material each formed with a recess extending along the upper edge thereof, and a single tape member passed through said recesses.

1,514,355. GAME DEVICE. HENRY J. TRAUBEL, Cresskill, N. J. Filed Nov. 15, 1922. Serial No. 601,005. 5 Claims. (Cl. 46-56.)



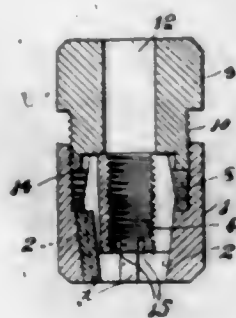
1. The combination of a table, a spinner connected therewith, a motor for operating the spinner, an electric lamp, means for lighting the lamp, and automatic means interposed in the lamp circuit and connected to said motor for opening and closing the circuit.

1,514,356. LENS. ARTHUR WARMISHAM, Leicester, England. Filed Aug. 7, 1920. Serial No. 401,862. 14 Claims. (Cl. 88-57.)



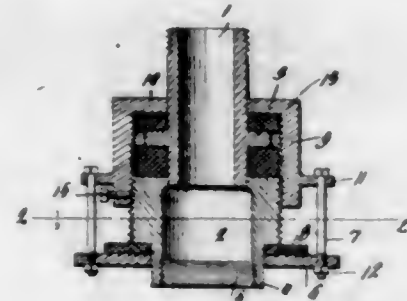
1. An anastigmatic photographic lens of the type consisting of a negative lens enclosed between two positive lenses and separated from them by air spaces, in which the front positive lens is made of glass of refractive index not exceeding 1.535 and is meniscus shaped, presenting its convex side toward the incident light.

1,514,357. STUD-EXTRACTING AND THREAD-CUTTING DEVICE. WILLIAM WITELAN, Mutley, Plymouth, England. Filed June 6, 1921. Serial No. 475,473. 1 Claim. (Cl. 10-119.)



A screw stud extracting and thread cutting device comprising a body having a tapered bore extending to one end, a resilient diametrically expandible sleeve slidably keyed in said body, having a tapered portion to engage in said bore, and open at one side from end to end, said sleeve being further provided with an internal stud-receiving screw thread, and a screw having threaded engagement with the other end of said body and arranged to bear and rotate on the inner end of said sleeve, the threaded connection between the screw and the body being reverse to the internal thread of the sleeve.

1,514,358. COUPLING. REUBEN M. WILLIS and CARTER A. WILLIS, Chanute, Kans. Filed June 16, 1921. Serial No. 478,030. 2 Claims. (Cl. 285-124.)

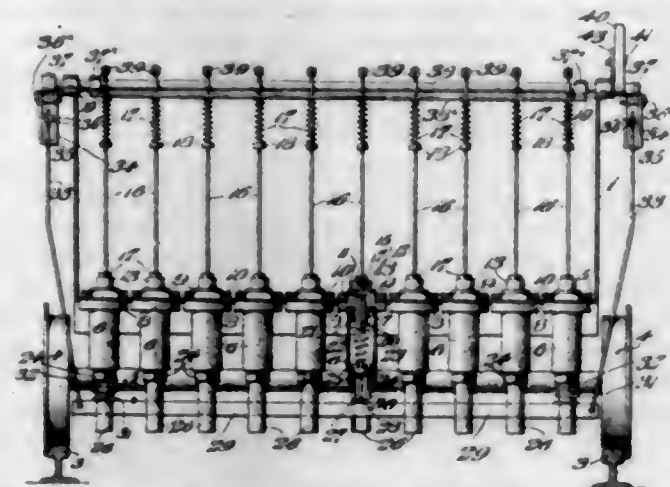


1. In a coupling of the class described, an inner member, an outer member partially disposed over the inner member, an annular rib on the outside of the inner member, said rib being spaced from the outer member, washers one on each side of the rib, a sleeve threaded over the outer member provided with an inwardly extending annular flange engaging the inner member for holding one washer tightly against the rib and the other firmly between the rib and an end of the outer member, said outer member provided with a reduced portion, a ring disk and a gasket positioned on the reduced portion, a rim formed on the sleeve and a plurality of bolts engaging the rim and the disk.

1,514,359. FILLING AND MEASURING MACHINE. CHAUNCEY F. YORK, Detroit, Mich. Filed Oct. 28, 1922. Serial No. 597,655. 6 Claims. (Cl. 226-94.)

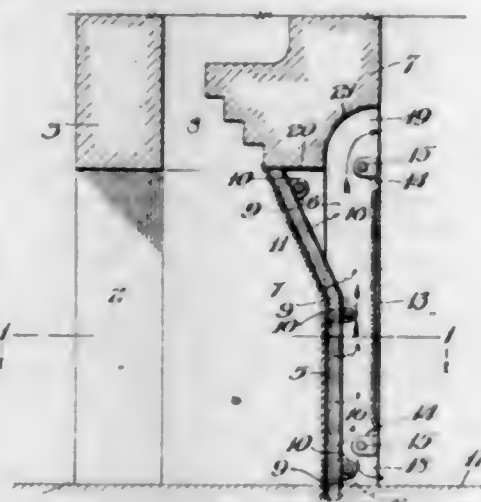
1. In a device of the character stated, a container a row of tubes and upper and lower valves therefor, springs for said valves, a rock shaft mounted on said container, upper valve actuating means connected to said rock shaft, tubular guide extensions for the lower portions of said lower valves, slots in said extensions, a horizontal bar in said slots and adapted to contact with

the bottoms of said lower valves, springs bearing on the outer ends of said bar for holding the latter normally in



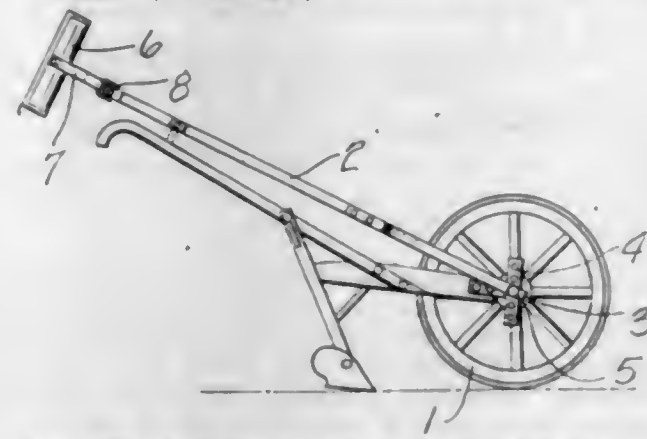
its lowest position and connections from said rock shaft to said bar for raising the latter, when said rock shaft is actuated.

1,514,360. HEATING APPARATUS. CHAUNCEY F. YORK, Detroit, Mich. Filed May 16, 1923. Serial No. 639,288. 1 Claim. (Cl. 126-122.)



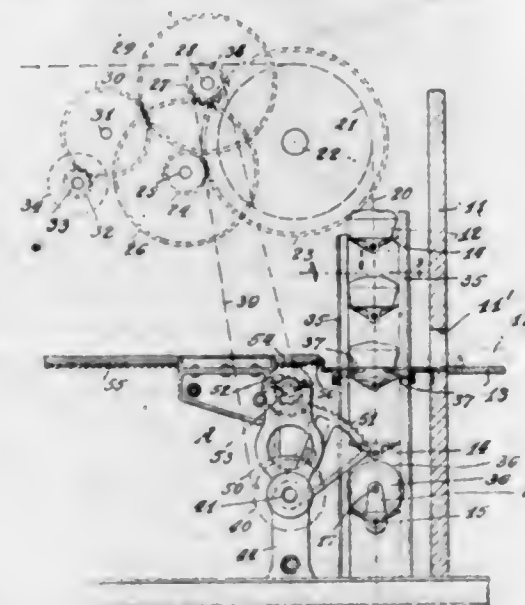
A heating apparatus of the character stated consisting of a fire place, a fire back therein, and a radiator plate in an opening rearward of said fire back, forming a heat receiving chamber, said opening being in communication with an adjoining apartment, said radiator plate having at the top and bottom thereof an opening in communication with said heat receiving chamber and said adjoining apartment forming respectively at the bottom an air inlet from said adjoining apartment into said receiving chamber, and on top a combined air and heat discharging outlet from said chamber into said apartment.

1,514,361. PUSH PLOW. CHARLES R. ANDERSON, Jerseyville, Ill. Filed Mar. 15, 1922. Serial No. 543,835. 1 Claim. (Cl. 27-59.)



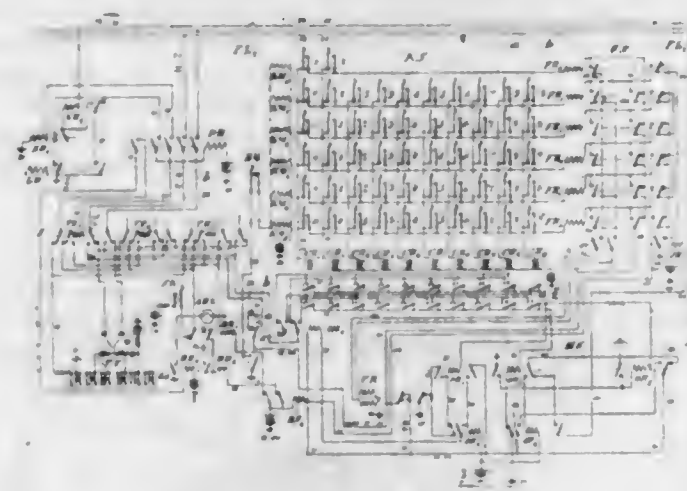
In a push plow embodying a wheel plow and a push rod adjustably connected thereto; a push plate adjustably connected to the end of the push rod by means of a universal joint.

1,514,362. DISCHARGE DEVICE. ROBERT ELMER BAKER, Bronxville, ARTHUR FRANCIS CUMMINS, White Plains, N. Y., and EARDLEY HARRY FORD, Los Angeles, Calif., assignors, by mesne assignments, to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y., a Corporation of New York. Original application filed Mar. 21, 1917, Serial No. 156,275. Divided and this application filed Nov. 12, 1920. Serial No. 423,722. 7 Claims. (Cl. 198-24.)



1. In a machine for proving dough, a proving chamber, a conveyor comprising a pair of parallel flights adapted to move in said chamber to feed the dough, a reciprocating discharge device arranged to penetrate the path of the flights of the conveyor for removing dough from said chamber, and drive mechanism for imparting to said device a relatively slow outward or active stroke, a relatively quick inward or inactive return stroke, and, at the end of said return stroke, a period of dwell or rest lasting as long as the said active and return stroke together.

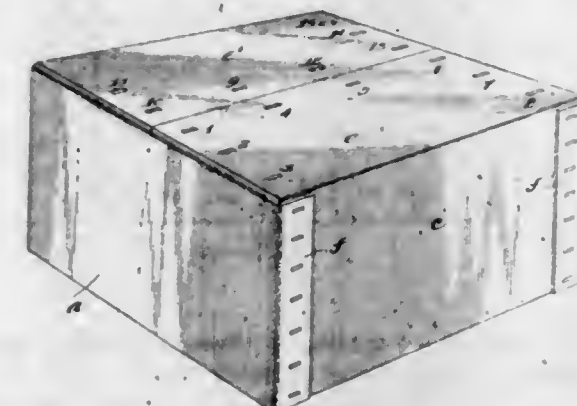
1,514,363. SEMIAUTOMATIC TELEPHONE SYSTEM. GOTTHILF ANSGARIUS BETULANDER, Södertörns Villastad, and NILS GUNNAR PALMGREN, Stockholm, Sweden, assignors to The Relay Automatic Telephone Company Limited, London, England. Filed Feb. 22, 1921. Serial No. 446,990. 10 Claims. (Cl. 170-27.)



1. A switching arrangement for automatic or semiautomatic telephone plants designed to operate on a code system comprising, group and line selectors, means for sending out impulse combinations and actuating a number of contact groups in the impulse circuit corresponding to the various digits of the number system employed, a number switch for partly controlling the circuits of said means, and a sequence switch for partly

controlling and regulating the actuation of the said means in proper succession so that the impulse signals corresponding to the different digits of the subscriber's number are sent out in due order as the switch operation progresses.

1,514,364. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Dec. 6, 1922. Serial No. 605,301. 2 Claims. (Cl. 229-47.)



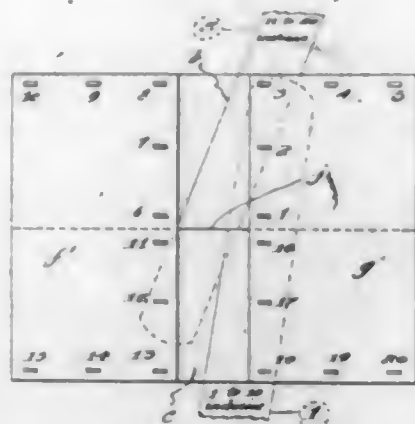
1. The method of sealing a fibre shipping case provided with two pairs of cover wings at the sealing end, comprising the folding in of two of the opposed cover wings and the folding in of the third cover wing over the said two cover wings, inserting a blade anvil under the cover wings and stitching the overlying cover wing to the other two cover wings along the edges of the overlying cover wing, then the withdrawal of the blade anvil and turning down the remaining cover wing, then inserting the blade anvil at one end of such last mentioned turned down cover wing and stitching the opposite end of such cover wing along its free edges to the underlying cover wing leaving however, a space for the subsequent insertion of the anvil, then withdrawing the anvil and inserting the same in such space at the opposite end of such overlying cover wing and stitching the other end of the cover wing to the other underlying cover wing along the free edges of the overlying cover wing.

1,514,365. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Dec. 6, 1922. Serial No. 605,302. 3 Claims. (Cl. 229-47.)



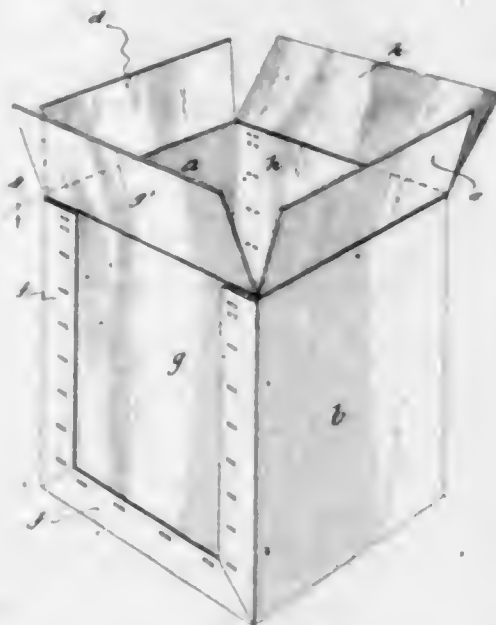
1. The method of sealing a shipping case provided with two pairs of cover wings at the end to be sealed, which comprises the folding in of one cover wing, to become the lower wing, then the folding in of the pair of cover wings at right angles to the lower wing to become intermediate cover wings, then the insertion of a blade anvil under the cover wings at the end of the case opposite the lower cover wing, and the stitching of the intermediate cover wings along their meeting edges to the lower cover wing, then the withdrawal of the anvil and the folding of the remaining cover wing to become the upper cover wing, then the insertion of the blade anvil in at one end of the upper cover wing over the underlying intermediate cover wing and under the other intermediate cover wing, the stitching of such other intermediate cover wing to the upper cover wing, the withdrawal of the anvil and then the insertion of the anvil over the lower cover wing and under the intermediate cover wing, and the stitching of the upper cover wing to the intermediate cover wing to which it has not yet been stitched.

1,514,366. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Dec. 6, 1922. Serial No. 605,303. 2 Claims. (Cl. 229-97.)



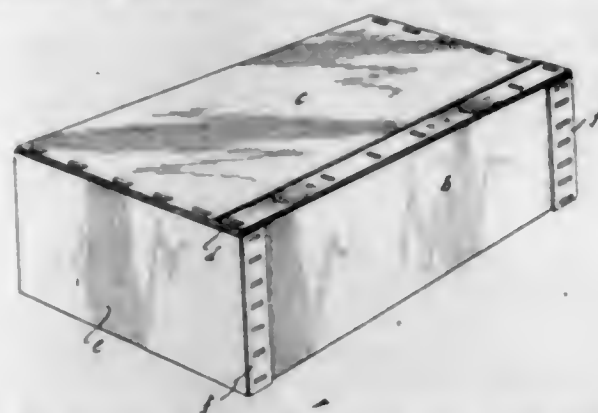
1. The method of sealing a three-blank fibre shipping case having a body blank forming the bottom, two side walls and opposed cover wings, and separate end blanks having opposed cover wings with two of the opposed cover wings abutting and the other two being separated, which comprises turning in first the abutting cover wings then turning in the separated cover wings over these, and then inserting a blade anvil in the slit left at the abutting edges of the abutting cover wings between the separated cover wings and driving metallic fasteners along the free edges of the overlying cover wings above the underlying cover wing under which lies the blade anvil, the withdrawal of the anvil and the insertion on the other side of the box through the same slit and the driving and clinching of metallic fasteners along the free edges of the overlying wings above the other underlying cover wing, and finally the withdrawal of the anvil.

1,514,367. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Dec. 15, 1922. Serial No. 607,023. 4 Claims. (Cl. 229-47.)



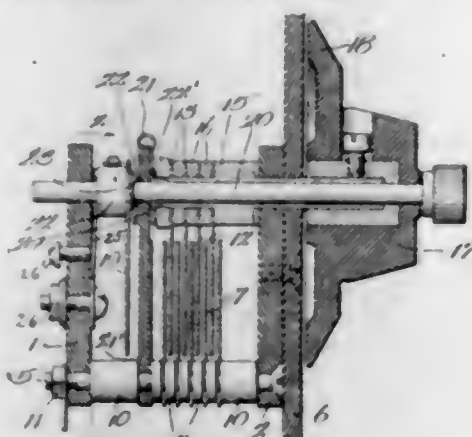
1. In a shipping case, the combination of a plurality of blanks for the exterior walls of the case, some constructed of fibre board and others of corrugated board, said blanks being matched together in the completed case to provide one or more seams in which one member of the seam is fibre board and the other member, corrugated board, and wire stitches driven through the corrugated board and having their free ends anchored in the fibre board.

1,514,368. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Apr. 16, 1923. Serial No. 632,558. 3 Claims. (Cl. 229-47.)



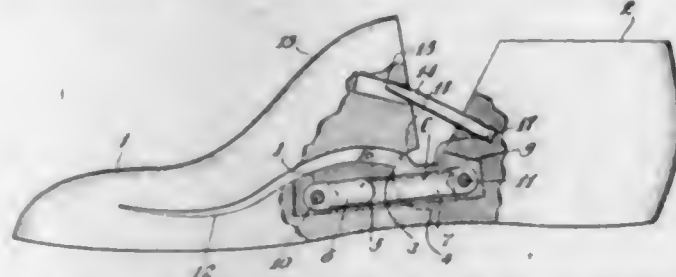
3. The method of sealing a three-blank fibre shipping case in which the end blanks are provided with sealing flaps and the body blank is provided with a cover wing and cover flap, which method comprises the insertion of a blade anvil under the large cover wing and one of the sealing flaps, the driving of fasteners to fasten the cover wing along one end to such sealing flap, then placing such anvil under the sealing flap at the opposite end and driving fasteners through the large cover wing to fasten the cover wing at the other end, then the insertion of the blade anvil and clinching metallic fasteners thereon driven through the cover flap to secure the third edge of the cover wing and complete the sealing of the case.

1,514,369. ELECTRIC CONDENSER. HARRY A. BREMER, Chicago, Ill. Filed Sept. 21, 1923. Serial No. 664,002. 8 Claims. (Cl. 250-41.)



1. A condenser including two condenser sides; one of which is adjustable with respect to the other; a condenser plate element supplementing one of the condenser sides and mounted to turn with respect to both condenser sides; and a spring engaging the supplemental plate element and the condenser side supplied with this plate element.

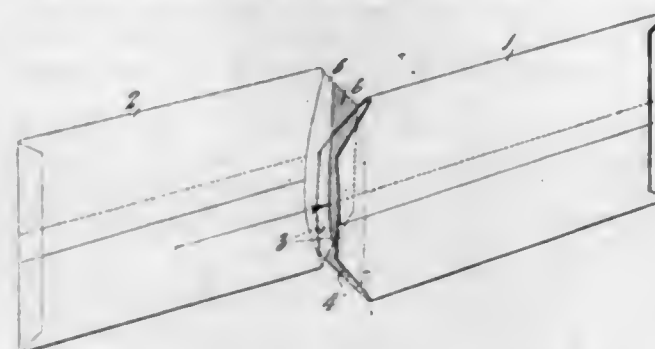
1,514,370. LAST. GEORGE CLAUSINO, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Nov. 1, 1922. Serial No. 598,238. 11 Claims. (Cl. 12-136.)



1. A last capable of being moved to extended or collapsed positions and comprising a fore part and a heel part transversely separated, said fore part of the last

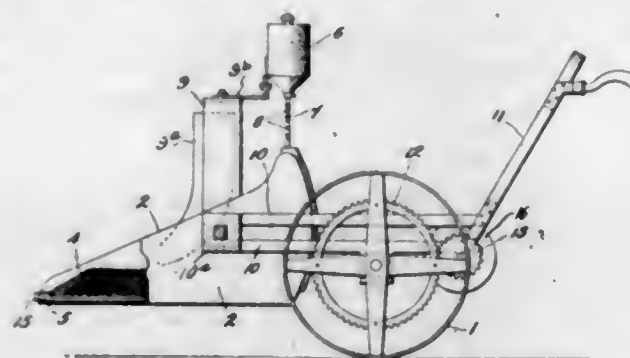
being provided with a movable instep block, a link for connecting the two parts of the last together, and means independent of said link for contracting the said instep block upon the shortening of the last.

1,514,371. EXTENSION ENVELOPE. JOSEPH EDWIN CLOUGH, Wilmington, Del. Filed Nov. 12, 1923. Serial No. 674,351. 3 Claims. (Cl. 229-68.)



1. An envelope of the class described comprising a casing part and a part telescoping within said casing, said casing part including at least one flap extension gummed to permit adhesion of said extension to the telescopic part to secure the parts at their extended relation.

1,514,372. BOLL-WEEVIL DESTROYER. SAM COLSON, Elberton, Ga. Filed Mar. 17, 1922. Serial No. 544,587. 5 Claims. (Cl. 43-133.)



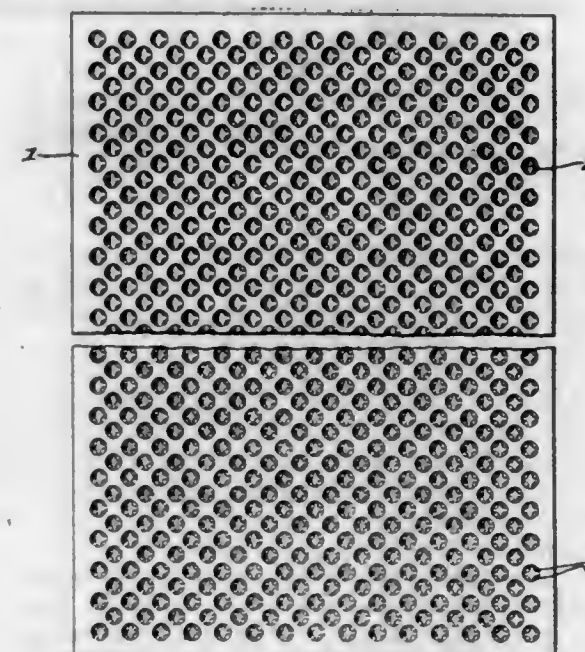
4. An insect destroyer comprising wheels, a frame, a casing carried by the frame on the wheels, brushes extending from both sides of the casing inwardly and overlapping at their ends, gutters in the lower part of the casing, brushes extending from the gutters upwardly and backwardly and meeting near the middle of the casing, and means for supplying insecticide to the brushes.

1,514,373. UPPER BUFFER ARRANGEMENT FOR RAILWAY CARS. GEORGE E. COUTANT, Decatur, Ill. Filed Aug. 31, 1923. Serial No. 660,290. 8 Claims. (Cl. 105-14.)



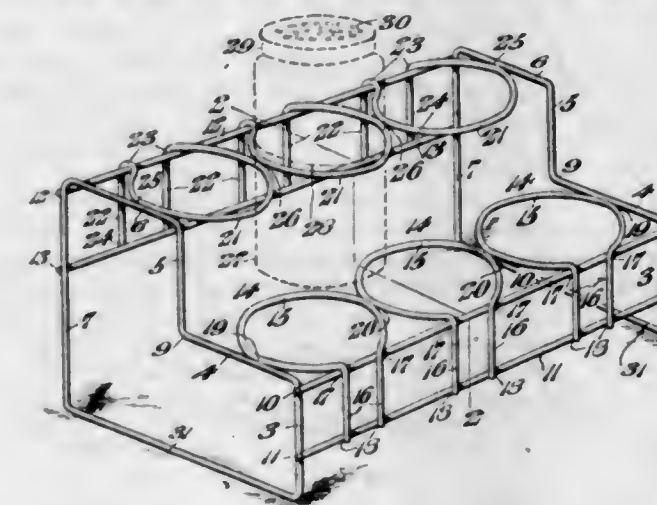
1. The combination with the vestibule and diaphragm face plate of a railway car, of a semi-elliptic spring interposed between said plate and vestibule, and means for limiting the movement of the outer ends of said spring both upon compression and expansion of the latter, said means comprising brackets carried by said vestibule and rockers attached to the ends of said spring and pivotally connected to said brackets.

1,514,374. COMMERCIAL AND LABORATORY GRAIN SIEVE. JOHN H. COX, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States. Filed July 31, 1924. Serial No. 729,405. 1 Claim. (Cl. 130-19.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



A sieve adapted for cleaning grain, consisting of a sieve body, a plurality of circular indents in said body, said indents being provided with a plurality of openings symmetrically arranged in the side walls of the indents.

1,514,375. RACK OR HOLDER FOR CONDIMENT JARS. ALVIE C. CHUMMEL, Hartford, Ind. Filed June 1, 1923. Serial No. 642,743. 2 Claims. (Cl. 43-133.)

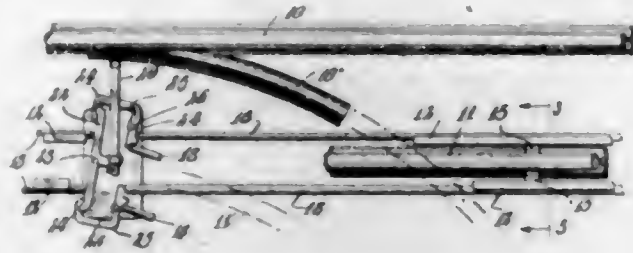


2. In a device of the character stated, a frame composed of end members having short vertical front legs, longer vertical rear legs, and upper and lower horizontal end members common to said legs, front and rear pairs of upper and lower horizontally arranged tie rods having their ends secured to said vertical front and rear legs, a front lower row of horizontal rings having pendant vertical front legs secured to said pair of lower front horizontal tie rods, and a rear upper row of horizontal rings having rear pendant legs secured to the upper rear pair of horizontal tie rods, the outer portions of the upper and lower end rings being also secured to the contiguous horizontal end members of said frame.

1,514,376. RAILROAD-SWITCH-OPERATING DEVICE. JOSEPH CZERNIAK, Kenosha, Wis. Filed Jan. 2, 1924. Serial No. 683,880. 3 Claims. (Cl. 246-315.)

2. In a railroad track, a movable switch end, a depressible bar extending along the track, a thrust bar also extending along the track, bell crank levers, connecting

said first and second bars whereby depression of the first bar moves the second bar longitudinally, a rock lever adapted for operation by said second bar, and an operative connection between said rock lever and switch end.



said operative connection comprising a gear segment, on the rock lever, a pinion engaged by said segment, an eccentric disk fixed to said pinion, and a link with which said disk is engaged.

1,514,377. INSECTICIDAL COMPOUND. HERBERT H. DOW and WILLIAM J. HALE, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Mar. 31, 1920. Serial No. 370,188. 5 Claims. (Cl. 167-6.)

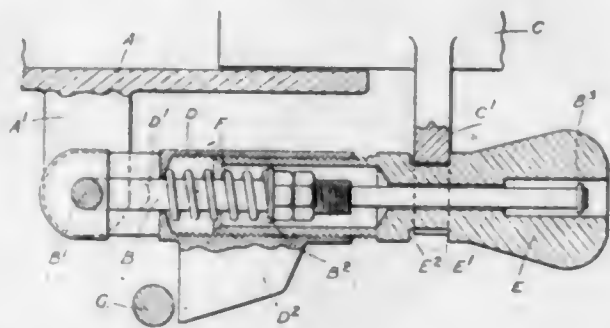
1. An insecticide comprising a solution of benzyl alcohol and a halohydrin, the amount of the latter being sufficient to render such alcohol freely soluble in water.

3. An insecticide comprising solutions of benzyl alcohol and ethylene chlorohydrin in approximately equal proportions.

4. An insecticide comprising benzyl alcohol and an alkaloidal poison dissolved in a halohydrin.

5. An insecticide consisting of the halohydrin extract of derris admixed with benzyl alcohol.

1,514,378. INTERLOCKED FASTENING DEVICE PARTICULARLY APPLICABLE TO ELECTRICAL APPARATUS. HARRY JOSEPH FISHER, Philadelphia, Pa., and JAMES MIRREY, East Boldon, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, Durham, England, a British Company. Filed Apr. 14, 1924. Serial No. 706,587. 6 Claims. (Cl. 74-83.)

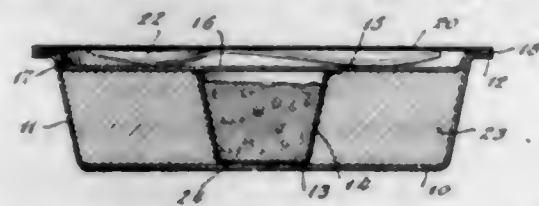


1. In a fastening device adapted to secure two members together and to be interlocked with some other mechanism, the combination with the two members, of a bolt pivoted to one of the members, a rotatable head adapted to engage with the second member in such a manner as to clamp the two members together in the engaging position, a drum so connected to the head and the bolt as to move longitudinally along the bolt when the head is rotated, and an interlocking rod operated by the mechanism with which the fastening device is to be interlocked, the arrangement being such that a part of the drum lies in or out of the path of the interlocking rod according to the position of the drum on the bolt.

1,514,379. FOOD CONTAINER. PAUL W. FLEISCHER, Weehawken, N. J. Filed Oct. 18, 1923. Serial No. 669,260. 3 Claims. (Cl. 206-47.)

1. A container of the character described, comprising a body, an inner holder adapted to be set within said body in such a manner as to leave within such body,

around the holder, a space for the reception of ice-cream or the like, said inner holder having its upper edge be-



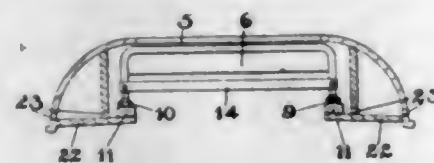
low that of the body, and a hollow cover, adapted to contain a spoon, and having a bottom fitted within the body and engaging the upper end of the inner holder.

1,514,380. AUTOMOBILE BUMPER. CHRISTIAN GIEL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Jan. 31, 1923. Serial No. 615,996. 11 Claims. (Cl. 293-55.)



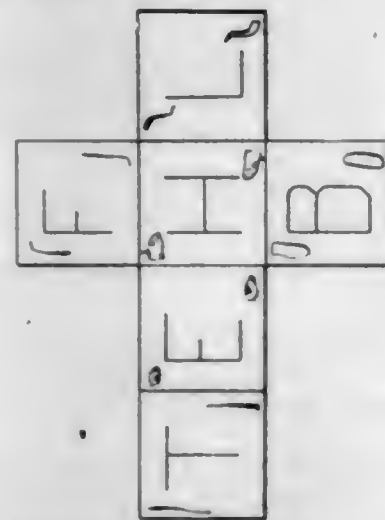
1. An automobile bumper having at its central portion a resilient buffer adapted, on severe deflection of the central portion of the said bumper, to engage the portion of the vehicle located opposite thereto.

1,514,381. TOP FOR SINGLE-DECK OMNIBUSES. ALBERT GRAY, Cardiff, Wales. Filed Sept. 20, 1923. Serial No. 663,839. 3 Claims. (Cl. 296-137.)



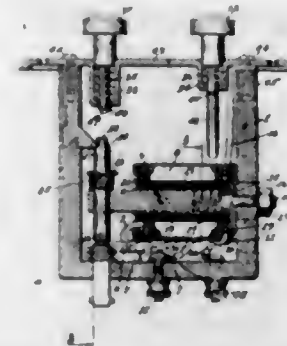
1. A hood for single deck omnibuses and other road vehicles comprising in combination a rigid roof having an aperture therein, said roof forming part of the vehicle body, parallel tracks mounted below the top of said rigid roof, hoop sticks having downwardly depending slides mounted in said tracks and slidable thereon, and a flexible cover mounted on said hoop sticks and adapted to cover the top and sides of the same and so arranged that the top of the cover lies substantially level with the rigid roof top.

1,514,382. GAME APPARATUS. WALLACE W. GRIED, Downers Grove, Ill. Filed Apr. 13, 1923. Serial No. 631,943. 5 Claims. (Cl. 46-56.)



1. A game apparatus consisting of two dice, one having a different part of an animal on each side and the other having some of its sides provided with parts of an animal with some of its sides having a special design to indicate a forfeit.

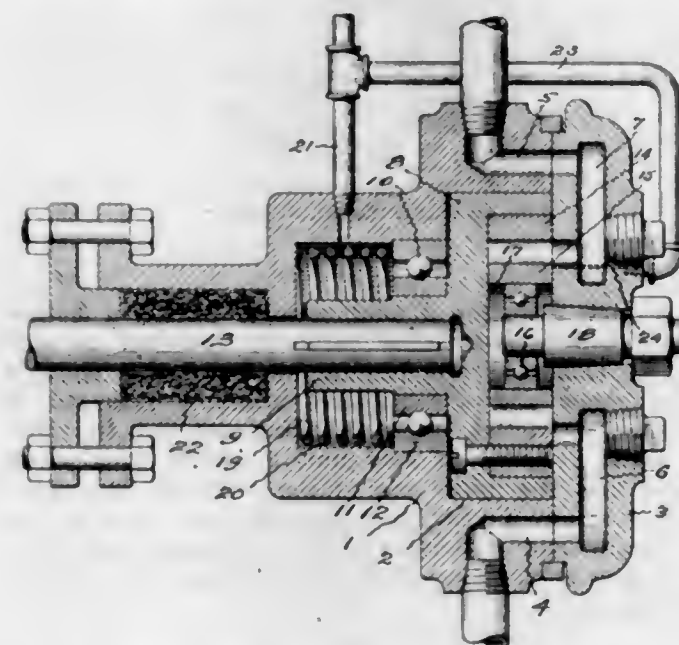
1,514,383. AUTOMATIC CIRCUIT BREAKER. MICHAEL HERTZ, Newark, N. J. Filed Feb. 24, 1921. Serial No. 447,425. 7 Claims. (Cl. 200-89.)



1. In an automatic circuit breaker, a longitudinally movable switch, a longitudinally movable rod in alignment therewith but spaced therefrom, an electromagnet in series with the circuit breaker, a member controlled by said electromagnet and movable in a plane at right angles to the line of movement of the switch and rod interposed between the rod and the switch, said member being normally mechanically held in line to transmit a mechanical force from the rod to the switch but operable, under excessive load conditions, to break the continuity of the line.

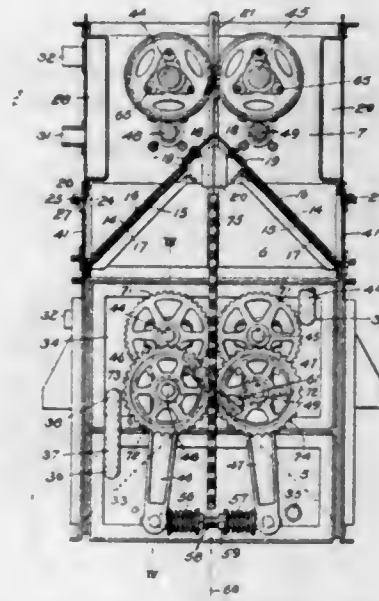
7. In an automatic circuit breaker, a reciprocable switch, a longitudinally and laterally movable rod in alignment therewith, latching mechanism for restraining the rod in switch closing position, electromagnetically operated means in series with the circuit breaker for moving the rod laterally to permit the switch to be opened, and resilient means for urging said rod longitudinally and laterally toward switch resetting position when released from said latching mechanism after the circuit breaker has been opened.

1,514,384. ROTARY PUMP-LUBRICATING MEANS. ERENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1923. Serial No. 670,703. 9 Claims. (Cl. 230-30.)



1. A rotary pump comprising a casing containing a pumping chamber with an intake thereto and a discharge therefrom, a rotor rotatable in, and having an axial movement in the pumping chamber, internally toothed and externally toothed intermeshing gears actuated by the rotor for pumping fluid, an orifice opening through the end wall of the pumping chamber opposite the end faces of the gear teeth, and means for conducting lubricant under discharge pressure to said orifice.

1,514,385. LEER. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed Aug. 9, 1921. Serial No. 490,836. 24 Claims. (Cl. 49-47.)

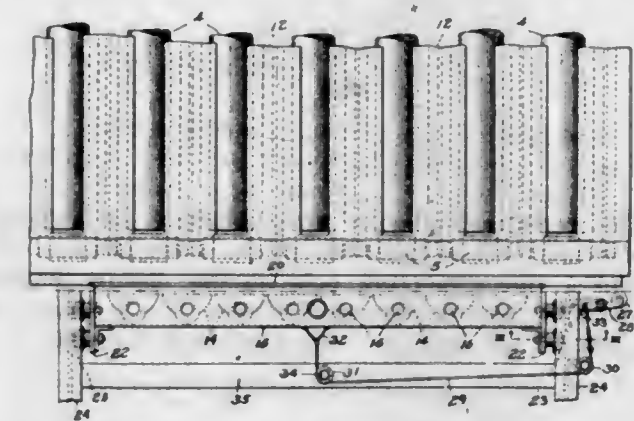


7. In combination in a leer for annealing continuously formed sheet glass, a vertical framework, an annealing casing extending vertically upward inside said framework and comprising a series of aligned sections in telescopic relation, packing means at the joints between the sections, and means for supporting the sections independently from the framework.

17. In combination in a leer for use with sheet glass, a metal pulley and an asbestos cord facing wound on the periphery of the pulley, the said cord comprising a central wire with an asbestos fabric woven around it, and the strands of asbestos fabric having wire centers.

21. In combination in a leer for annealing a glass sheet drawn from a molten bath, a vertical casing divided into a plurality of compartments one above the other drawing means for advancing the sheet through the casing, means for heating the walls of the compartments opposite the sides of the sheet and other means for heating the walls of the compartments opposite the edges of the sheet, the said heating means being arranged to give a gradually decreasing temperature in the compartments from the bottom up.

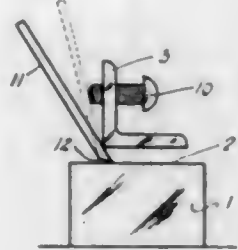
1,514,386. APPARATUS FOR INSPECTING PLATE GLASS. HARRY F. HITNER, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Mar. 27, 1924. Serial No. 702,259. 7 Claims. (Cl. 88-14.)



1. Apparatus for inspecting a continuously formed forwardly moving sheet or ribbon of glass, comprising a table over which the glass passes of less width than that of the sheets so that the edges of the sheet project

out past the sides of the table, a shielding compartment extending along each side of the table and each having a slot in its side through which the edge of the sheet projects, and illuminating means in the compartments adapted to project light laterally through the edges of said sheet.

1,514,387. SCRAPE SET. AARON L. HOCKETT, Birmingham, Ala. Filed Aug. 21, 1923. Serial No. 658,531. 3 Claims. (Cl. 76-82.)



1. A scrape set comprising a base having a hard smooth flat surface, and a scrape engaging edge held rigidly above and in spaced relationship to said surface and adapted to permit the cutting edge of a scrape to be driven into the space and bent between the edge and base surface.

1,514,388. CLOTHESLINE POLE. GRANT E. HOOVER, Freeport, Ill. Filed Apr. 27, 1922. Serial No. 556,928. 3 Claims. (Cl. 68-12.)

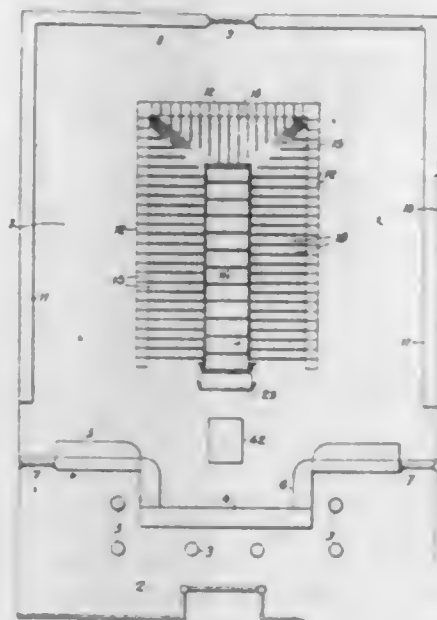


1. The combination with a clothesline, of a longitudinally split sleeve adapted to be clamped onto the line, and a line-supporting pole having means adapted to detachably interfit with said element for holding the upper end of the pole in connection with the line.

1,514,389. STORE FIXTURE OR EQUIPMENT. DUBBY FRANCIS McCLELLAN, Nashville, Tenn. Filed Nov. 16, 1923. Serial No. 675,169. 9 Claims. (Cl. 186-1.)

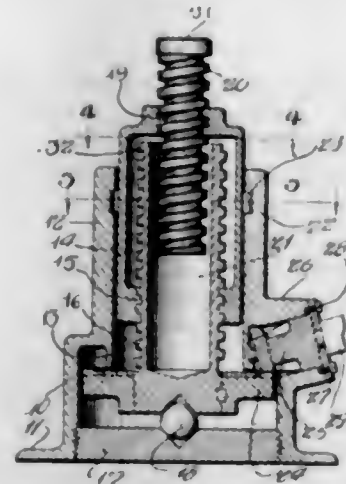
1. A store layout or equipment, embodying a main enclosure, an enclosure for customers, and a storing

and service structure within said main enclosure, said service structure consisting of a series of vertically disposed containers, a series of delivery chutes leading



from said containers, and an endless conveyor in communication with all of said chutes for delivering the merchandise therefrom.

1,514,390. VEHICLE JACK. WILLIAM E. MCKEE, Joliet, Ill., assignor to William E. Pratt Manufacturing Co., Chicago, Ill. Filed Sept. 16, 1924. Serial No. 738,048. 8 Claims. (Cl. 254-102.)

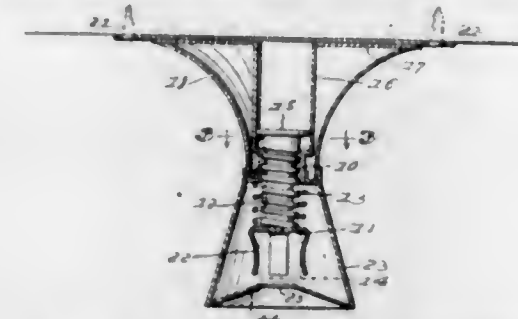


8. A jack including a base member having a hollow body, a hollow jack screw rotatably mounted in said base, an elongated nut having its lower end engaged on the screw and slidably and rotatably mounted in said base, a friction brake engaging the nut to yieldably resist rotation of said nut, a second jack screw screwed into the upper end of the nut and telescoping the first screw, a gear fixed on the lower end of the first screw, and a driving pinion engaging said gear and having a shaft provided with means for attaching a turning tool.

1,514,391. POOL-CHALK HOLDER. CHARLES J. MOSES, Bogota, and DOUGLAS VAN BLARCOM, Hackensack, N. J. Filed July 15, 1921. Serial No. 485,134. 1 Claim. (Cl. 46-8.)

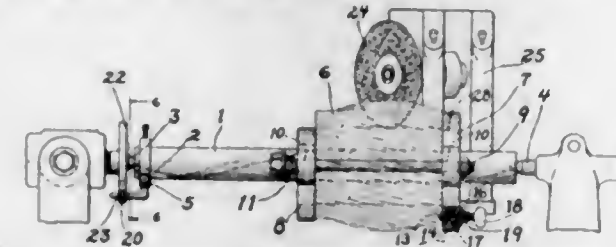
A chalk holder comprising a casing which is cone-shaped at its opposite ends and provided at one end with an interiorly located concave shield having a central opening, said casing being provided at its opposite end with a centrally disposed tube, a stem having screw-

thread engagement with the tube and provided with a head which is housed within the tube, a chalk block seat carried by the stem and disposed between the tube



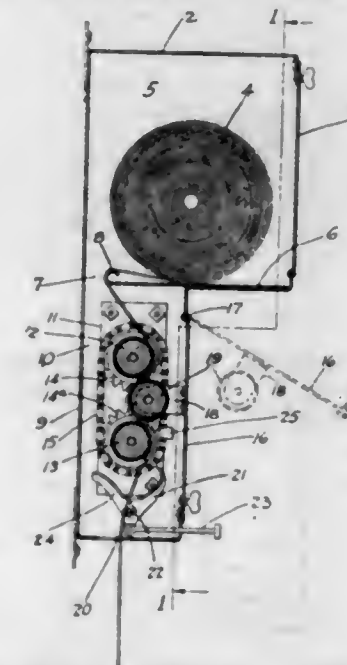
and the shield, and a coil spring interposed between the inner end of the tube and the adjacent surface of the seat and normally holding the seat spaced from the tube.

1,514,392. CUTTER-GRINDING ATTACHMENT. FRIEDRICH MÜLLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 27, 1921. Serial No. 480,771. 3 Claims. (Cl. 51-225.)



1. An attachment for grinding milling cutters comprising the combination of a shaft provided with a spline formed therein with a lead corresponding to the lead of the cutter it is desired to grind, the shaft being adapted to have the cutter mounted thereon, means on the shaft operatively connected to the spline, a pin on the said means, the pin being provided with a tapered portion adapted to engage a shoulder on the cutter for rotating the cutter with the said means in conformity with the spline as they are moved along the shaft, and means for adjusting the pin longitudinally.

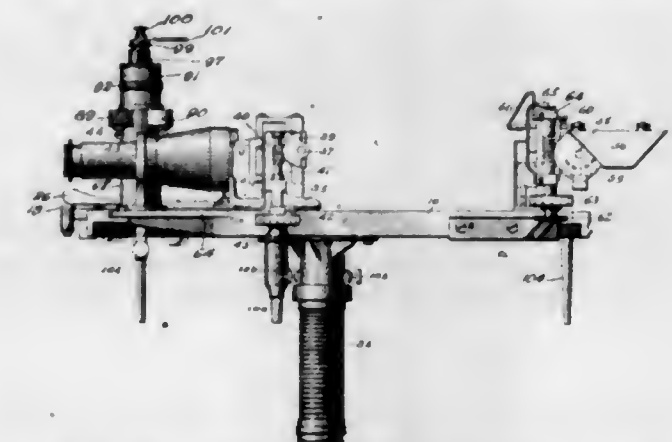
1,514,393. TOWEL CABINET. THOMAS DAVIT O'BRIEN, Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed July 11, 1921. Serial No. 483,788. 12 Claims. (Cl. 45-32.)



1. A towel cabinet comprising a casing having a chamber therein for a bolt of clean toweling and provided with a feed opening, rolls positioned in the path

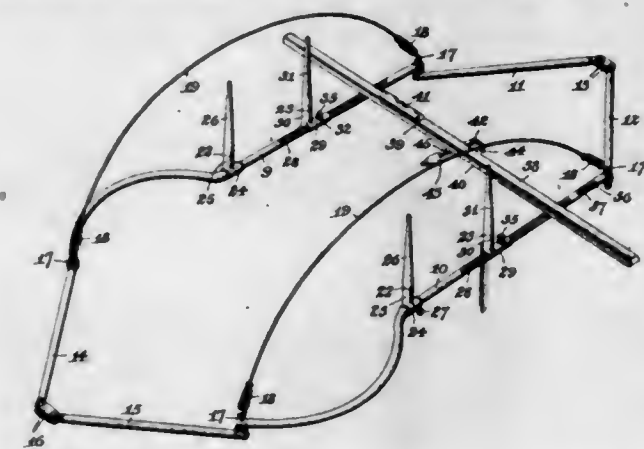
of the loose end of the towel and spaced apart and having a driving belt between them, a roll mounted to engage the loose end of the towel and press it into frictional engagement with said other rolls whereby all the rolls will be driven when a pull is applied to the towel, a swinging dog mounted to engage said belt and lock it and said rolls against movement, and means actuated by the movement of said belt for moving said dog to its locking position.

1,514,394. INSTRUMENT FOR MEASURING HORIZONTAL ANGLES. ROBERT S. OLMSTED, Reading, Mass. Filed Apr. 18, 1921. Serial No. 462,086. 7 Claims. (Cl. 88-24.)



1. In a hand instrument for determining horizontal angles, a normally horizontal graduated limb, a sighting tube fixed on said limb, a horizon glass fast on said limb in fixed relation to the sighting tube, an index arm pivoted to sweep in an arc over said limb, an index mirror mounted on said arm to swing therewith on a normally vertical axis and also adapted to be turned about an axis parallel to the plane of the limb, and means to bend the rays of light from any horizontal plane other than that of the instrument into the sighting tube.

1,514,395. TAILOR'S MEASURE. HECTOR A. PONTECORVO, Niagara Falls, N. Y. Filed Oct. 26, 1921. Serial No. 510,568. 23 Claims. (Cl. 33-7.)

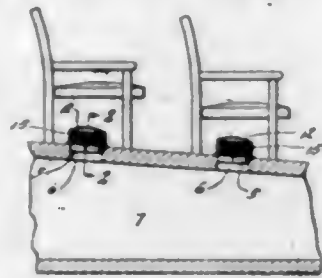


1. A device of the kind described, comprising a frame adapted to surround the body of a person at the height of the armpits, and means for supporting said frame in position on said person and for drawing said frame into the armpits to permit of taking measurements therefrom.

1,514,396. VENTILATOR. ROBERT E. POULEY and MILTON C. HARTMAN, Chicago, Ill. Filed May 5, 1924. Serial No. 710,997. 2 Claims. (Cl. 98-27.)

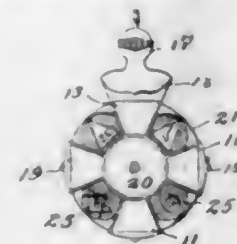
1. The combination with a seat having an air opening in the floor thereunder, of a ventilator therefor in the form of a rim fitting into said opening and provided with a flange resting on the floor; lugs on the top of said rim; a housing having a closed top and de-

pending front and rear walls arranged over said rim, the lower ends of said walls being secured to said lugs, the sides of said housing being open; a grating arranged across each open side of said housing; a shaft rotatably



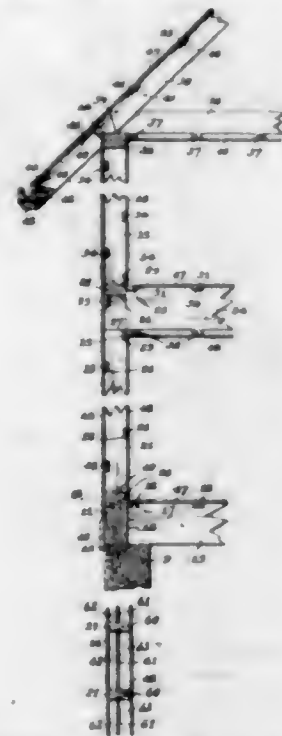
mounted in said rim and traversing the floor opening; a damper secured to said shaft and arranged in said opening; and a set screw in said rim engaging said shaft, substantially as described.

1,514,397. CHARM CONSTRUCTION. KARL L. F. POYTON, Providence, R. I., assignor to J. J. White Manufacturing Company, Providence, R. I. Filed June 6, 1923. Serial No. 643,658. 6 Claims. (Cl. 40-1.6.)



5. A jewelry emblem comprising two spaced stationary plates, a central pivot stud extended therebetween, a revoluble plate on the stud between the stationary plates, said stationary plates having a plurality of open parts of a certain ordered relation, and the revoluble plate having a plurality of sets of design elements each in the same relation as the said open parts, for alternative alignment therewith.

1,514,398. BUILDING CONSTRUCTION. CARL STEIN-BRENNER, Niagara Falls, N. Y. Filed Oct. 13, 1922. Serial No. 594,361. 17 Claims. (Cl. 20-1.)



1. A building structure having a foundation, a sill resting on said foundation comprising a thick part and a thin part fastened to the inner side of said thick part, said parts being of equal height and said thin parts

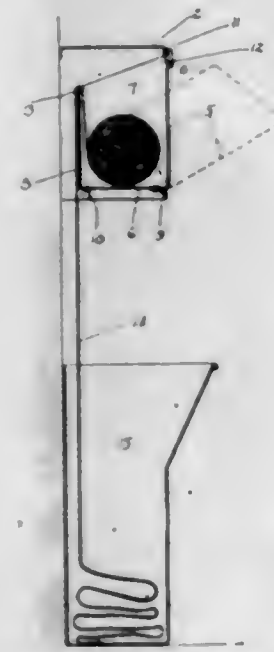
having dovetailed grooves extending from its upper edge downwardly and terminating short of its lower edge, each groove being flared from its inner side toward said thick part, and joists provided at their ends with dovetailed tenons, entered in said dovetailed grooves.

1,514,399. TOWEL CABINET. FRANK M. STEINER, Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed May 24, 1920. Serial No. 383,781. 3 Claims. (Cl. 45-32.)



1. A towel cabinet comprising a casing having a space therein to receive a bolt of toweling, a wall mounted in said casing and over which the loose end of the bolt of toweling is fed, a door having means for normally pressing the toweling against said wall to resist feed of the toweling, an arm mounted to bear on the toweling, and check the feed thereof when the door is open, the loose end of the bolt of toweling depending outside the casing within convenient reach of the user and falling in folds below the cabinet as the toweling is used.

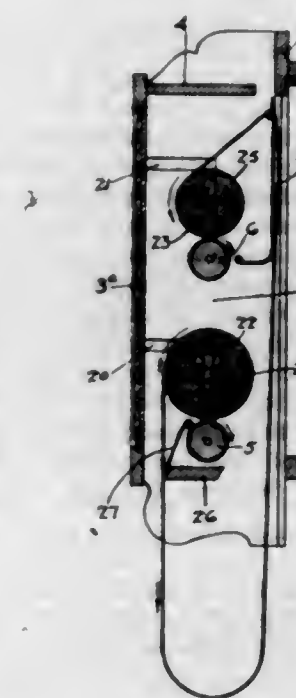
1,514,400. TOWEL CABINET. FRANK M. STEINER, Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed July 17, 1920. Serial No. 397,070. Renewed June 25, 1924. 6 Claims. (Cl. 45-32.)



1. A towel cabinet comprising a casing and means for supporting it on the wall, a container hinged at its lower forward portion in said casing and having a chamber therein adapted to receive a roll of toweling, said

roll resting by gravity upon the bottom of said container and having freedom of movement forward and backward therein to allow the convenient unwinding of the towel, said container having an upwardly projecting rear wall over which the loose end of the towel is arranged to depend and slide, said wall being spaced from the support of said casing to provide an opening for the feed of the towel, the friction of the roll on the bottom and walls of the container retarding the unwinding of the roll, and checking undue feed thereof.

1,514,401. TOWEL CABINET. GEORGE A. STEINER, Salt Lake City, Utah, assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Feb. 1, 1921. Serial No. 441,623. 3 Claims. (Cl. 45-32.)



1. A towel cabinet comprising a casing, a soiled towel roll mounted in the upper portion of said casing, a clean towel roll mounted in the lower portion of said casing, feed and winding rolls contacting by gravity respectively with said towel rolls, a driving connection between said feed and winding rolls, the clean towel being delivered downwardly in the lower portion of the cabinet and depending loosely below the cabinet, the used or soiled portion of the towel being carried upwardly at the rear of the cabinet to a point above said soiled towel roll, a guard in the rear of said soiled towel roll and over which the soiled towel passes, the lower portion of said guard having a forward extension terminating near the feed roll for said soiled towel and preventing the insertion of the soiled towel between said guard and soiled towel roll.

1,514,402. ADJUSTABLE MEASURING DEVICE FOR TOWEL CABINETS. GEORGE A. STEINER, Salt Lake City, Utah, assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Feb. 20, 1922. Serial No. 538,103. 2 Claims. (Cl. 45-32.)

1. The combination, with a towel roll, of a feed roll in engagement with the towel thereon, a measuring device having a cam groove, a vertically arranged bar mounted to slide radially with respect to the axis of said feed roll and having a pin to travel in said groove, said groove having a stop to check movement of said pin and unwinding of the towel when a predetermined length has been delivered, said bar dropping by gravity to move said pin out of engagement with said stop and

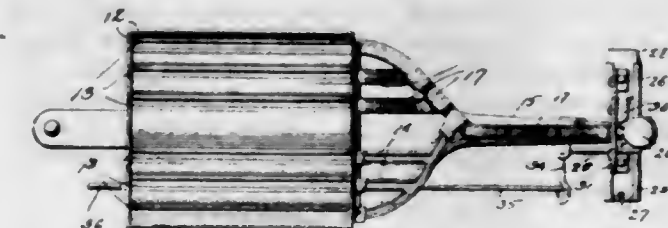
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allowing further unwinding of the roll when pull upon the towel ceases, said measuring device being mounted for quarter rotation on the axis of said feed roll to ad-



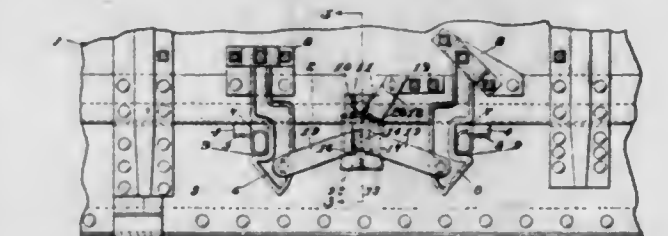
Just said bar to a horizontal position and require it to be pushed inwardly to disengage its pin from its stop preliminary to repeating the unwinding operation.

1,514,403. NAIL-DRIVING MACHINE. JOSEPH J. STEPANEK, Tabor, S. Dak. Filed Feb. 7, 1924. Serial No. 691,311. 1 Claim. (Cl. 2-46.)



A nail driving apparatus comprising a magazine, a guide way, a casing with which the guide way communicates, a driving plunger disposed in the casing, means for holding the plunger normally and yieldably above the guide way, guide arms, feed plates slidably mounted upon the guide arms and having fingers disposed toward each other and arranged to alternately overlie the guide way when the plates are reciprocated, an arch plate connecting the feed plates, a rock lever engaged with the arch plates for reciprocating the feed plates, a handle for manipulating the apparatus, and an actuating rod connected with the rock lever and having a finger grip disposed in proximity to the handle.

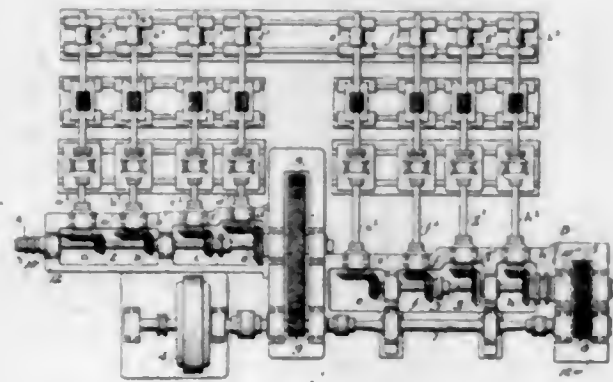
1,514,404. OPERATING AND LOCKING DEVICE FOR DOOR-SUPPORTING MEMBERS. GEORGE A. SUCK-FIELD, Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Mar. 22, 1924. Serial No. 701,055. 9 Claims. (Cl. 105-308.)



1. In a dump car, a discharge door, a plurality of members pivotally mounted on said car, adapted to support said door in its closed position, means for simultaneously moving said members in opposite directions

out of their door supporting positions, said means comprising a vertically movable member, and a locking member adapted to engage said vertically movable member for locking said door supporting members in their door supporting positions.

1,514,405. VARIABLE-SPEED ROLLING-MILL DRIVE. HOWARD H. TALBOT, Wooster, Ohio, assignor, by mesne assignments, to Mackintosh-Hemphill Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 21, 1921. Serial No. 479,212. 7 Claims. (Cl. 80—35.)

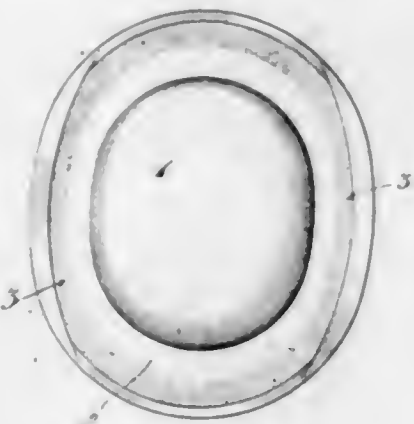


7. In combination, a continuous rolling mill comprising a continuous primary and a secondary series of rolls, shafts therefor, a primary line shaft, a secondary line shaft of increased speed, a prime mover geared with the line shafts for driving the same at lower and higher speeds respectively, and gearing of different ratios connecting the shafts of the primary and secondary series of rolls with the respective line shafts whereby to drive the successive stands of rolls at successively greater speeds, substantially as described.

1,514,406. DIAPHRAGM AND METHOD OF MAKING SAME. JOHN M. TAYLOR, Bridgeport, Pa., assignor to Diamond State Fibre Company, Bridgeport, Pa., a Corporation of Delaware. Filed Jan. 23, 1924. Serial No. 688,079. 5 Claims. (Cl. 92—21.)

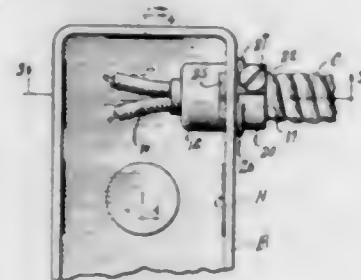
1. A diaphragm comprising a mixture of paper, finely divided iron and a phenolic condensation product in its final, infusible and insoluble stage.

1,514,407. HAT. CLARENCE M. THALIMER, Mount Vernon, N. Y. Filed Feb. 25, 1924. Serial No. 694,862. 1 Claim. (Cl. 2—175.)



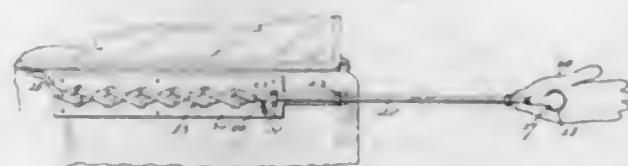
A derby hat comprising a soft flexible crown portion of sufficient firmness and strength to retain its shape substantially as blocked, and a stiff sized outer brim portion for reinforcing and retaining the shape of the hat.

1,514,408. CABLE CONNECTER. GEORGE C. THOMAS, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 22, 1924. Serial No. 687,785. 17 Claims. (Cl. 247—25.)



1. Improvements in combination cable connectors and fixture boxes comprising a box with a connector and cable receiving hole, a lug projecting through the hole and disposed alongside the cable, a sleeve inside the box integral with the lug, said sleeve having half its circumference disposed eccentrically with reference to the box hole thereby bringing part of the hole rim eccentrically within the sleeve, means made on the lug bearing against and concealing the other part of the hole rim maintaining the aforesaid eccentricity of parts, abutments carried on the means by which the connector is fixed against slippage, and cable clamping means carried by the lug by which the cable is pinched into the eccentric rim of the hole and by which the aforesaid means is forced to bear against the rim of the hole thereby establishing direct electrical contact between the box and cable.

1,514,409. DIRECTION INDICATOR. FRANK A. UHL, Indianapolis, Ind. Filed June 15, 1921. Serial No. 477,727. 1 Claim. (Cl. 116—40.)

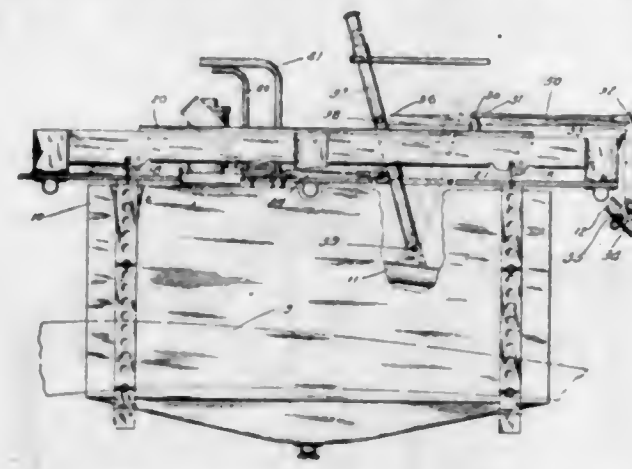


A direction indicator for vehicles comprising a base plate adapted for securement to a convenient portion of the vehicle adjacent the dash-board, a signal element, a signal arm consisting of a rod at one extremity of which the signal element is carried, spaced guides mounted on the base plate adjacent one end and slidably receiving said signal arm, lazy tongs having pivotal connection at one end with the base plate remote from said guides and a similar connection at the other end with that extremity of the signal arm remote from the signal element, and a finger hold connected with the lazy tongs at the pivotal point of the latter with the base plate for swinging movement on said pivot point to extend and retract the lazy tongs in the manner and for the purpose specified.

1,514,410. DETACHABLE GASOLINE TANK. ALFRED V. VERVILLE, Dayton, Ohio. Filed Dec. 14, 1922. Serial No. 607,001. 9 Claims. (Cl. 244—1.)

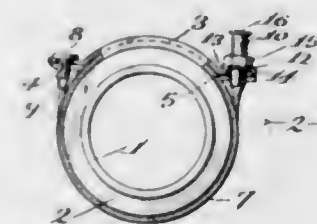
8. In an aircraft, a tank-carrying frame having an opening in the bottom thereof through which the tank is adapted to be dropped, a tank detachably supported in

said frame, anti-friction tank guiding means for directing the tank through said opening, means for severing



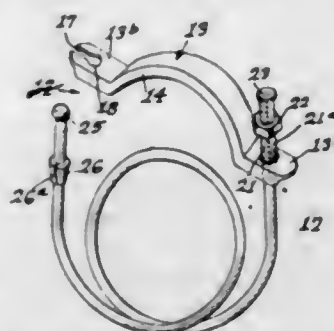
the pipes connected to the tank, and means operable subsequently to said severing means to release and drop the tank.

1,514,411. HOSE CLAMP. PAUL H. WILKINSON, Los Angeles, Calif. Filed June 21, 1923. Serial No. 646,797. 7 Claims. (Cl. 24—19.)



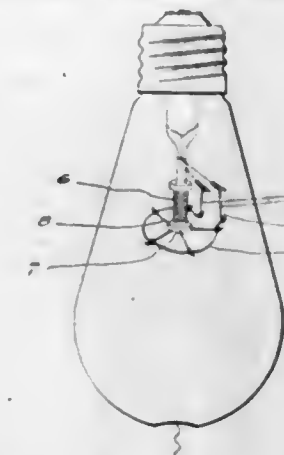
1. A clamp comprising a yoke and a cable, means for securing one end of the cable to one end of the yoke, a slot extending inwardly from the opposite end of the yoke, said slot terminating in an angular opening, the free end of the cable being provided with flat sides whereby it may slide through said slot and snugly engage the sides of said angular opening.

1,514,412. HOSE CLAMP. PAUL H. WILKINSON, Los Angeles, Calif. Filed Feb. 19, 1924. Serial No. 693,753. 7 Claims. (Cl. 24—19.)



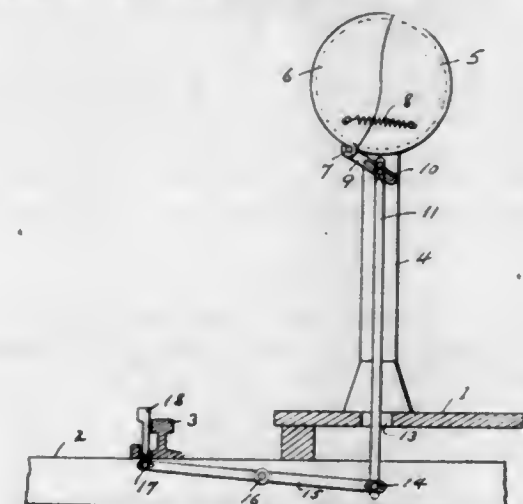
1. A clamp comprising a completely looped cable and a bow-shaped yoke having a longitudinally extending groove therein of less diameter than the cable, the cable passing through the groove, means for fastening an end of said cable to an end of said yoke, said means comprising an endpeened threaded member secured to an end of the cable and passing through an aperture in one end of said yoke, said threaded member being non-rotatable in said aperture and a nut engaging said threaded member and positioned between the peened end of said threaded member and the outer face of said yoke and means for fastening the other end of said cable to the other end of said yoke, the second means comprising an inverted cone-shaped member split longitudinally and encircling the other end of said cable, said cone-shaped member being seated in a tapered aperture formed in the other end of said yoke.

1,514,413. REPAIR UNIT FOR ELECTRIC LAMPS. JOHN L. ADAMS, San Diego, Calif. Filed Oct. 25, 1921. Serial No. 510,203. 6 Claims. (Cl. 176—16.)



2. A repair unit for incandescent lamps including filament extension elements having couplings at their ends, one of the couplings of each element being in the form of a coil.

1,514,414. MAIL-BAG CATCHER. LANZY CILEY ARGABRIGHT, Blacksburg, Va. Filed Mar. 12, 1923. Serial No. 624,578. 4 Claims. (Cl. 218—20.)



1. A mail bag catcher, comprising a cylindrical mail bag receiving receptacle consisting of a pair of semi-cylindrical sections bolted together, and train operated means for swinging one of the semi-cylindrical sections away from the other as a train passes.

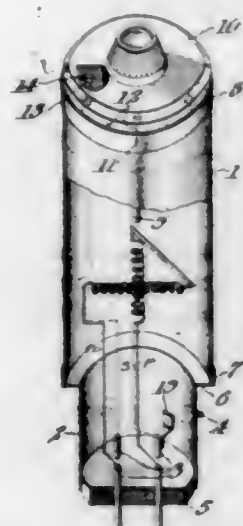
1,514,415. ROTARY TOOL. OWEN G. ARNOT, Bakersfield, Calif. Filed Oct. 21, 1922. Serial No. 595,944. 4 Claims. (Cl. 255—61.)



1. A rotary bit comprising a plurality of blades each having oppositely twisted cutting ends, the blades having portions forming a shank body to receive a driving

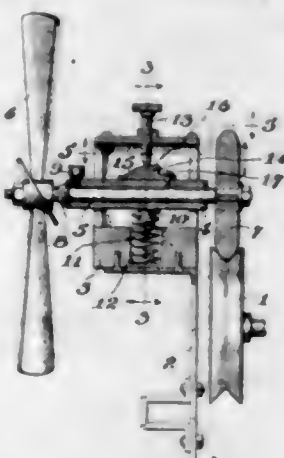
means, and water courses extending through the assembled shank body and discharging outside of the blades and between the blades.

1,514,416. INDUCTIVE COUPLING DEVICE. STUART BALLANTINE, Boonton, N. J., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J., a Corporation of New Jersey. Filed Dec. 19, 1922. Serial No. 607,852. 9 Claims. (Cl. 171-119.)



1. The combination with an inductive coupling device, of a casing for housing said device, contacts forming terminals for the windings of said device, and a base on said casing and carrying said contacts, said base and contacts being adapted for engagement in a socket having contact arms.

1,514,417. FAN-OPERATING MEANS. ANIS A. BAROODY, Petersburg, Va. Filed May 6, 1924. Serial No. 711,424. 7 Claims. (Cl. 230-7.)

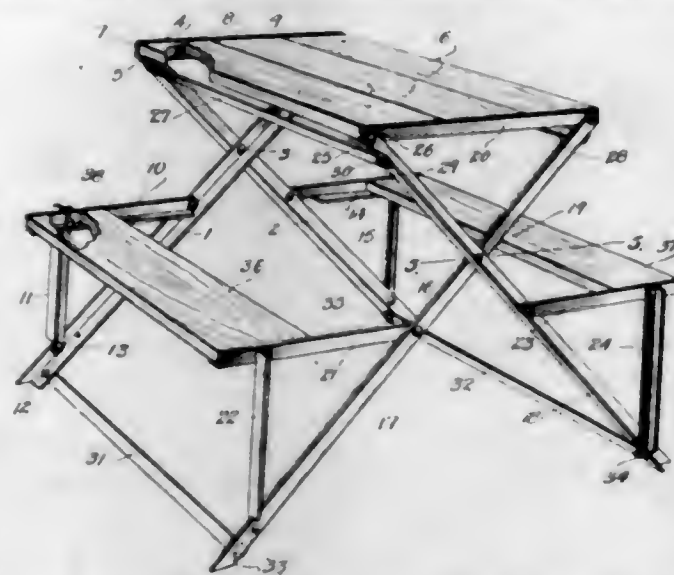


1. Fan operating means, including a vertically movable shaft holder, a rotary shaft mounted in said holder, a fan mounted on one end of said shaft and a wheel mounted on the opposite end thereof, a spring normally pressing said holder upward, means for moving the holder downward against the pressure of the spring, and a driving pulley adapted to be frictionally engaged by the wheel when the wheel is lowered.

1,514,418. COMBINED FOLDING TABLE AND SEAT. JOHN N. BATTENFELD, Kansas City, Mo. Filed Oct. 22, 1923. Serial No. 669,971. 10 Claims. (Cl. 155-127.)

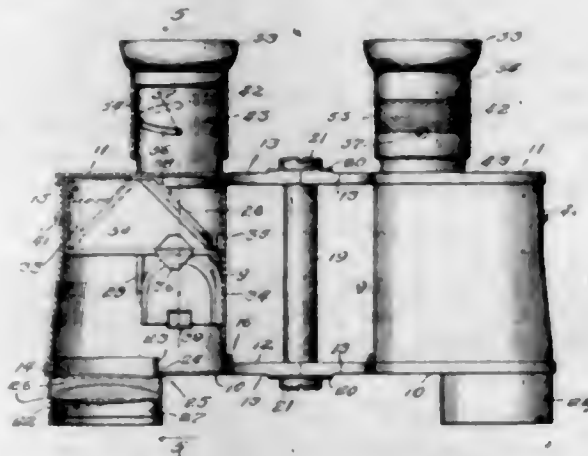
1. A combined table and seat comprising two separable end frames, means removably connecting the end frames in spaced relation, table leaf supporting means carried by the end frames, seat supporting means on the end

frames, table leaves removably supported by the table leaf supporting means and removable seat members removably supported by the said supporting means, the end frames being normally independently collapsed when not



in functional position with the removable connecting means fastened to one end frame folded upon that end frame so that the two end frames can be arranged side by side to be placed in a knock down condition within a small compass.

1,514,419. BINOCULAR. PER JOHAN BERGGREN, Chicago, Ill. Filed Sept. 16, 1918. Serial No. 254,261. 5 Claims. (Cl. 88-33.)



1. A binocular comprising barrels formed of drawn metal with end plates having flanges extending around substantially the entire periphery thereof, one end of each of said plates being adapted to fit over the end of one of the barrels, the opposite ends of the plates which are not flanged, being overlapped to form hinges, a pintle connecting said overlapping ends, stamped metallic brackets secured in said barrels, prisms mounted in said brackets, spring fingers secured to said brackets for holding said prisms in position, objective tubes and ocular tubes formed of drawn metal parts, mounted in said barrels, said tubes containing the necessary lenses, substantially as described.

1,514,420. ROTARY TOOTHBRUSH. ALBERT V. BOWOOD, Scotia, and LOUIS KOZELEK, Schenectady, N. Y. Filed Feb. 17, 1921. Serial No. 445,635. 1 Claim. (Cl. 15-25.)

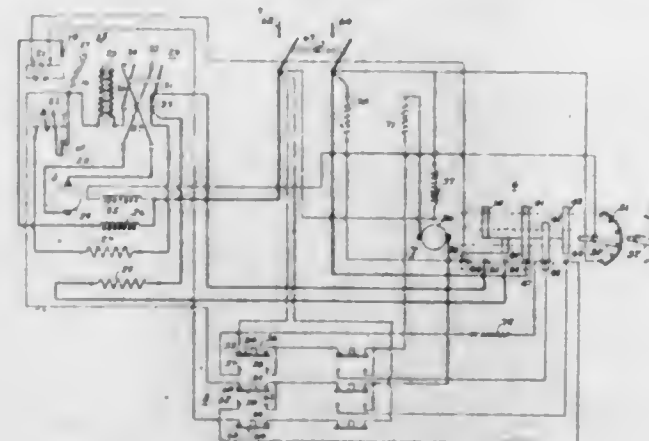
In a rotary brush of the type described, a cylindrical brush member, a shank carried by said brush and axially aligned therewith, a head formed upon the free end of the shank, a second shank having a pair of thread grooves arranged in reverse directions and intersecting at spaced points, a resilient socket formed on one end of the sec-

ond shank for receiving said head with both shanks axially aligned and connected so that when one is rotated the other will rotate therewith, the said head and resilient socket being axially aligned with both shanks, a handle loosely mounted upon the second shank, and a



sleeve slidably mounted on this second shank and a pin projecting inwardly from the sleeve to engage with said grooves to cause rotation of the brush member, said pin being shiftable by rotative movement of the sleeve from one groove to the other at any point of intersection of said grooves.

1,514,421. CONTROL SYSTEM FOR LATHES. HAROLD L. BLOOD, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 7, 1921. Serial No. 506,002. 15 Claims. (Cl. 172-179.)

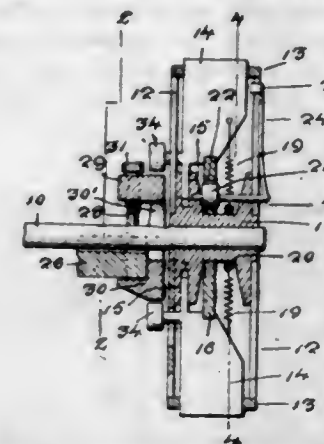


1. In a lathe control system, the combination comprising a lathe, a main driving motor mounted on the headstock for operating the spindle of the lathe, a controller for governing the operation of the main motor, and means comprising a switch movable relatively to and mounted independently of the lathe for governing the controller to start and to accelerate the motor to any desired speed and to decelerate the motor either to any desired speed or to stop it.

1,514,422. WHEEL. FRANK M. BOYNTON, Solon, Me. Filed July 23, 1923. Serial No. 653,327. 6 Claims. (Cl. 301-46.)

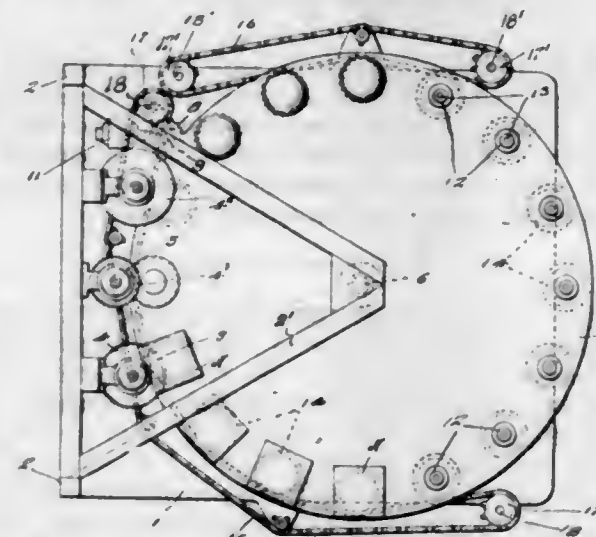
3. A wheel embodying a hub, a rim, a plurality of independently movable spring actuated traction elements extending from the hub and passing through the rim,

adjustable means for moving the traction elements against the action of the springs and adjustable means



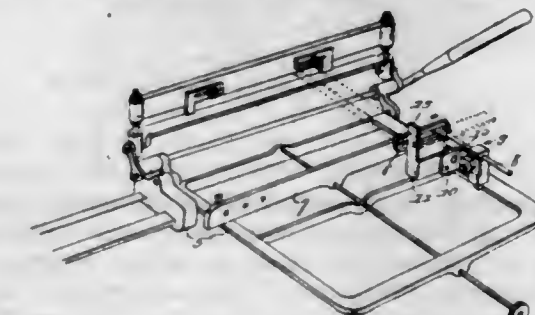
for limiting their inward movement and means detachably engaging the spokes of the wheel for holding the last mentioned means in adjusted position.

1,514,423. MILLING MACHINE. THOMAS G. BRAY, Northwillesboro, N. C. Filed Jan. 6, 1922. Serial No. 527,440. 1 Claim. (Cl. 142-4.)



An apparatus of the class described comprising a wheel-shaped carrier, means for rotatably supporting the same, a motor for rotating the carrier, a plurality of spindles rotatably mounted on the carrier, a sprocket connected with each spindle, a screw on the upper end of each spindle for engaging a work piece to hold the same in place, a number of forming tools for shaping the work pieces as they are brought against the tools by the movement of the carrier, motors for driving the tools, an endless chain arranged to engage the sprockets of the spindles as the spindles approach the tools, a second endless chain arranged to engage the sprockets of the spindles leaving the tools, supporting means for the chains, and means for driving the chains in opposite directions.

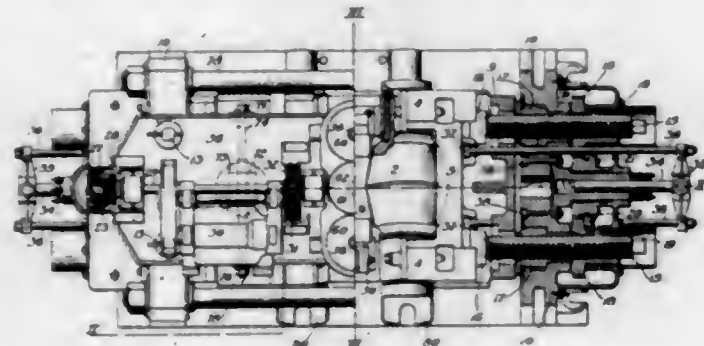
1,514,424. GAUGE FOR TENONING MACHINES. JOSEPH BRANN, Delaware, Ohio. Filed Nov. 25, 1922. Serial No. 603,308. 4 Claims. (Cl. 144-198.)



1. In a gauge for tenoning machines, an open table frame, means for attaching said frame to a tenoning machine, a cross bar maintained at right angles to the

plane of the table and provided with means for moving the same in adjusted positions to and from the ends of the table, a gauge member adjustable laterally upon the cross bar and provided with a pivoted gauge member which is adapted to be moved on its pivot to occupy a position above the cross bar and also below the upper edge of the same.

1,514,425. TUBE-REDUCING MILL. RICHARD E. BROCK, Wooster, Ohio, assignor, by mesne assignments, to Mackintosh-Hemphill Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,608. 22 Claims. (Cl. 80-13.)



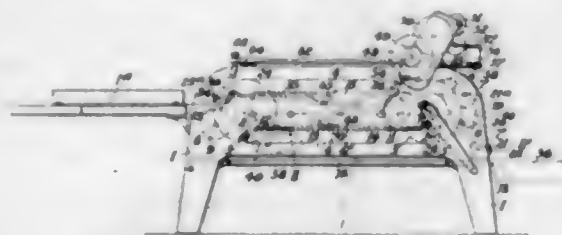
1. In a tube rolling mill, a pair of continuously operable cross rolls, housings therefor, tilting frames carrying the housings, means for adjusting the housings and their rolls towards or from each other embodying hydraulic plunger retracting mechanism, and means for independently actuating the tilting frames.

1,514,426. TIP FOR WEBBING. ARNOLD V. BROWN, Worcester, Mass., assignor to American Narrow Fabric Company, a Corporation of Massachusetts. Filed Aug. 30, 1922. Serial No. 585,234. 3 Claims. (Cl. 241-16.)



1. As an article of manufacture, a tip for the end of a piece of webbing comprising two sides, one adapted to be attached to the webbing at the lower end and the other extending upwardly on the opposite side of the webbing and flaring outwardly therefrom for receiving the bottom of a buckle back between it and the webbing, said tip having a concave surface at its lower end for receiving, centering and locating the cross-bar of a wire loop member supported by the webbing below.

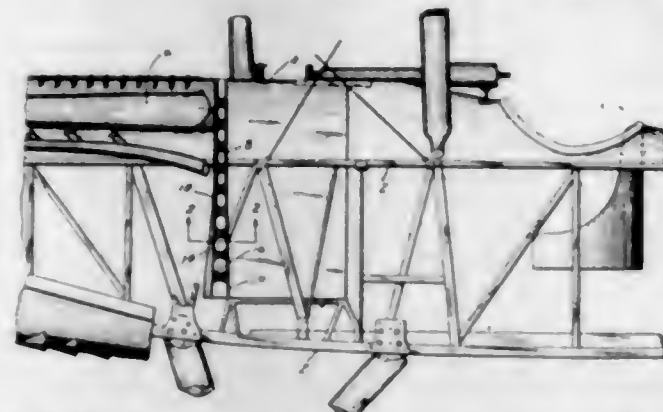
1,514,427. PRINTING PRESS. CHARLES ASHTON HENRY BULLOCK, London, England. Filed Sept. 5, 1922. Serial No. 586,250. 4 Claims. (Cl. 101-270.)



1. A travelling press comprising a stationary platen, an endless carrier, inking and impression rollers attached to said endless carrier means for moving said endless carrier so as to cause said inking and impression rollers to travel over and around said stationary platen means for inking said inking rollers at a point in their travel means for distributing the ink so applied evenly over said inking rollers, pivoted clips adapted

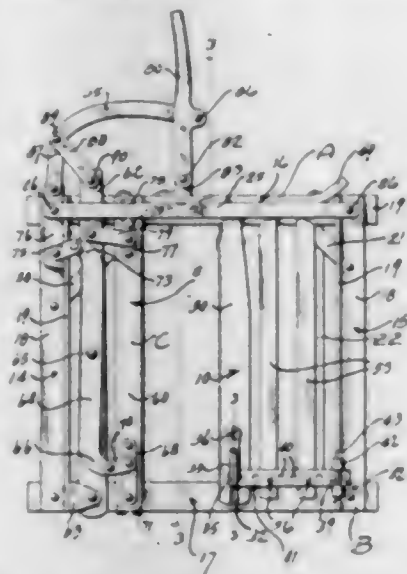
to receive a sheet of paper and by the action of the impression roller to grip the same and be turned so as to lay the sheet upon the surface of the platen further clips carried by and moving with the endless carrier adapted to engage the rear edge of the printed sheet on the platen, means for automatically lifting said clips about a pivotal point when the same are engaging the paper so as to pull the rear edge of the sheet upwards and forwards to peel the sheet from the platen and means for ejecting the sheet from the machine when peeled comprising pairs of friction guide pulleys between which the normally rear edge of the peeled sheet is presented by the said clips.

1,514,428. CRASHPROOF FIRE WALL. GEORGE W. BURKE, Jr., Dayton, Ohio. Filed Sept. 12, 1922. Serial No. 587,832. 3 Claims. (Cl. 244-30.)



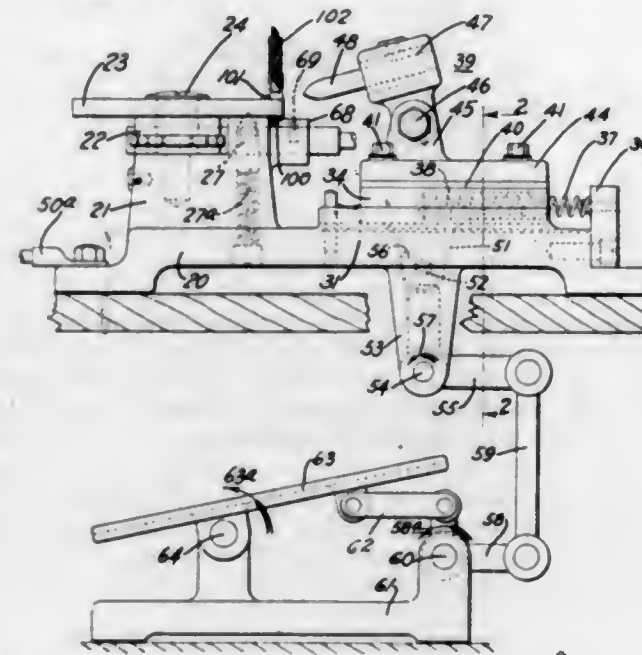
3. A fire proof bulkhead for aircraft located adjacent and in conjunction with fuel tank comprising fire proof walls and resilient means disposed in conjunction therewith for absorbing impact pressure of said tank.

1,514,429. ANIMAL CATCHER. WILLIAM BURMESTER, Pender, Nebr. Filed May 6, 1922. Serial No. 558,947. 4 Claims. (Cl. 119-98.)



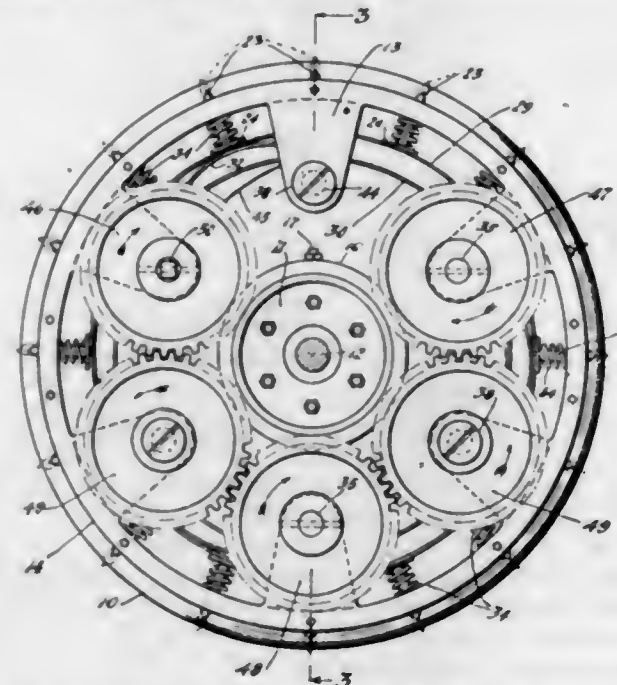
1. In a device of the class described, the combination of a frame having a lug thereon, a bar having a plurality of perforations therein adapted for receiving said frame lug, means for attaching said bar to said frame with said lug in a selected one of said perforations, a stanchion, means pivotally mounting one end of said stanchion to the end of said bar, whereby said bar may be adjusted laterally of said frame for moving the pivoted end of said stanchion therewith, a pawl arm mounted upon said frame adapted for adjustable engagement with the free end of said stanchion to secure said free end of the stanchion in a predetermined relation within said frame, and a second stanchion mounted in said frame for cooperation with the first mentioned stanchion.

1,514,430. ELECTRIC SOLDERING MACHINE. HARL L. BURNS and RICHARD T. ABRELL, Dayton, Ohio. Filed June 9, 1921. Serial No. 476,328. 3 Claims. (Cl. 219-12.)



1. In an electric heating machine including a rotating table adapted to support a plurality of pieces of work and having one terminal of a source of electric energy connected thereto and including also a movable heating device having the other terminal of the electrical energy source connected thereto; resilient means for moving the heating device out of normal position; control means for normally holding the heating device out of work piece engaging position but operable to permit the resilient means to move the heating device into engagement with the work piece for heating same; and automatic means associated with the table and the heating device and adapted to rotate the table to move the heated piece of work out of alignment with the heating device and bring the next adjacent piece of work into alignment with said heating device when the heating device is moved into normal or work piece disengaging position.

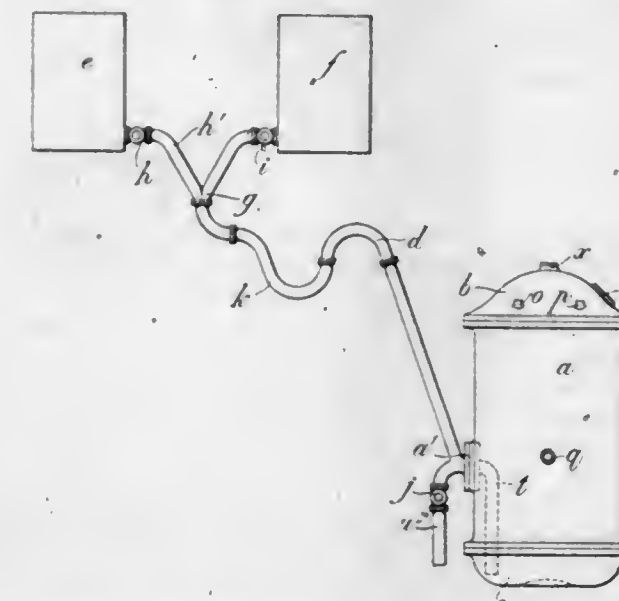
1,514,431. COMBINATION EMERGENCY WHEEL AND NONSKIDDING DEVICE. KASIMIR BUSCH, Chicago, Ill. Filed Feb. 17, 1923. Serial No. 619,736. 10 Claims. (Cl. 301-47.)



3. A structure of the class described including a hollow member having apertures disposed about the peripheral edge thereof, elements having seats on the

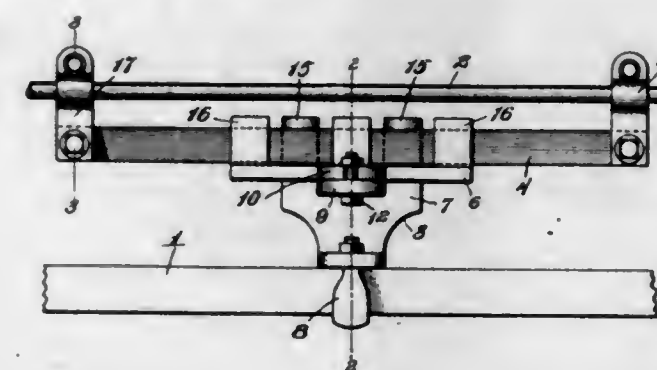
inner edge thereof and being mounted in said member to project through said apertures, a resilient ring arranged in said member and supporting said seats, resilient means arranged in said member and operative on said ring, and eccentric members operative on said resilient means for expanding the same and thereby expand said ring to vary the projection of said elements.

1,514,432. METHOD AND APPARATUS FOR THE PREPARATION OF OILS FOR VARNISHES, PRINTING INKS, PAINTS, LINOLEUMS, AND THE LIKE. WILLIAM CALDERWOOD, Forest Gate, ALFRED E. WEBB, Great Missenden, and CHARLES ALWIN REIHL, London, England. Filed Jan. 17, 1924. Serial No. 686,839. 2 Claims. (Cl. 134-26.)



1. Apparatus for carrying out the method described comprising a sealed vessel communicating by way of an oil seal and a branch pipe and cocks with two other receptacles disposed above the level of the said sealed vessel and so arranged that one will serve to receive the excess of oil arising during the heating process, and the other will supply the requisite quantity of previously prepared oil during the cooling process.

1,514,433. FRICTION CHECK FOR AUTOMOBILE STEERING GEAR. THOMAS CARTER, Wests Mill, N. C. Filed Nov. 14, 1922. Serial No. 600,876. 10 Claims. (Cl. 280-89.)

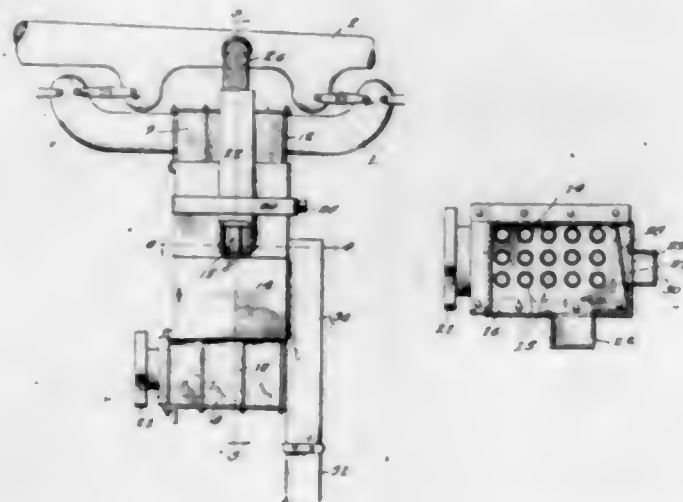


1. In an automobile steering gear check, the combination with the front axle, and the steering rod of the steering gear, of a friction member on the axle comprising sections extending transversely of the vehicle and having friction surfaces and a flat flexible friction member carried by the steering rod, said flat flexible friction member being slidable longitudinally across the friction surfaces of the first-named friction member.

4. In an automobile steering gear check, the combination of a vehicle axle, a steering rod, a friction head upon the axle comprising sections extending transversely

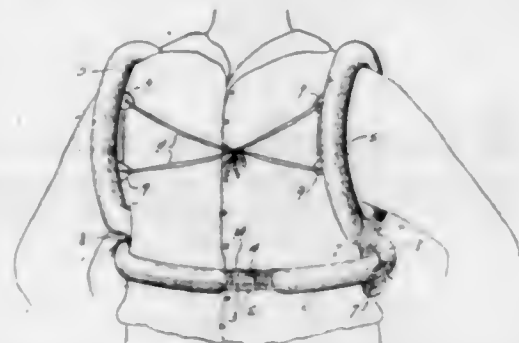
of the vehicle, a flat, flexible non-metallic friction strap carried by the rod, and friction surfaces upon the head arranged to bear against opposite sides of the strap and with which said strap is in sliding contact, said surfaces being arranged to produce undulations in the length of said strap.

1,514,434. HEATER. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor of one-half to Joseph Goodfellow, Fort Edward, N. Y. Filed Mar. 23, 1920. Serial No. 368,191. Renewed Apr. 5, 1924. 2 Claims. (Cl. 257-241.)



1. In a fuel charge heater for internal combustion engines, spaced plates, a group of charge conducting tubes extending between said plates secured thereto, an exhaust gas chamber housing the tubes and including an integrally formed back wall and end wall permanently secured to the plates and a removable front wall and integral opposite end wall mating with said first mentioned walls, and a strap surrounding the chamber removably securing the front wall and the latter end wall in position whereby the front wall and latter end wall may be displaced for cleaning the tubes.

1,514,435. SWIMMING APPLIANCE. LOUIS C. CHATHAM, San Diego, Calif. Filed Dec. 24, 1923. Serial No. 682,470. 2 Claims. (Cl. 9-21.)



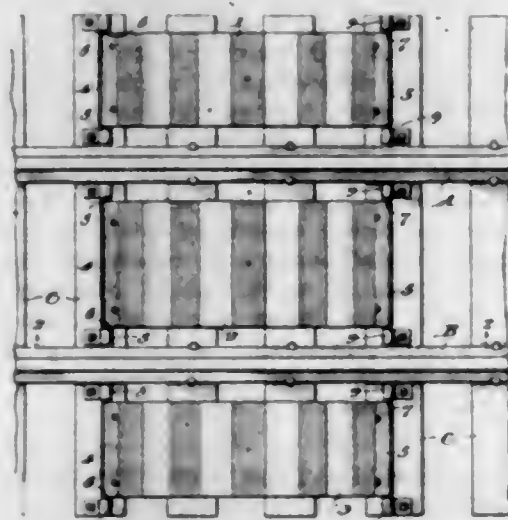
1. A device of the class described comprising an inflatable waist encircling member, inflatable shoulder encircling members, each of said shoulder encircling members being circular and provided with an outstanding tab over which the waist encircling member is adapted to lie when the shoulder encircling members and waist encircling member are in applied position, said tab being provided with openings spaced apart to position the waist encircling member therebetween, and a flexible member adapted to be threaded through said openings and disposed over the waist encircling member to attach said waist encircling member to a shoulder encircling member.

1,514,436. TIRE RIM. CARL CLAUSEN, Bisbee, Ariz. Filed Apr. 28, 1922. Serial No. 557,146. 3 Claims. (Cl. 301-35.)



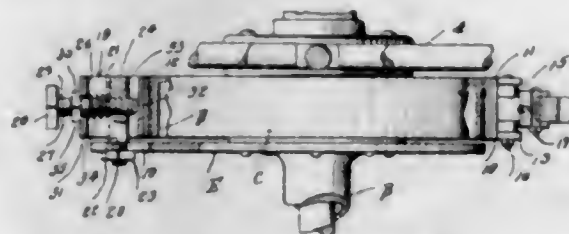
1. A rim comprising major and minor sections having side flanges, the inner side of the major section having one edge portion beveled and the minor section being inclined to correspond to the bevel of the major section, a rib formed on the inner side of the major section between the edges thereof and having transverse grooves, and keys having shanks passing through said grooves and formed with undercut lugs engaged with the flange of said minor section, said lugs being provided with laterally projecting heads engaging the adjacent side wall of said rib, said heads and said ribs having their opposed sides undercut whereby the keys are securely connected to said sections.

1,514,437. STOCK GUARD FOR RAILROADS. BENJAMIN P. COBB, Bozeman, Mont. Filed Jan. 5, 1924. Serial No. 684,619. 3 Claims. (Cl. 256-14.)



1. A stock guard comprising a plurality of arched bands mounted between and adjacent each side of the rails, said bands extending longitudinally of the rails having their ends pivotally supported upon the ties.

1,514,438. AUTO BRAKE. CLARENCE C. COCHRAN, Olney, W. Va. Filed Mar. 24, 1923. Serial No. 627,481. 2 Claims. (Cl. 188-77.)



1. In a brake mechanism, a drum adapted for rotation, a part adapted to remain stationary relatively to the drum, a band to engage said drum, a bracket on said band, a bolt having a head extending into the bracket and relatively to which the bracket slides, a screw extending into the bracket and threaded to said head and engaging said band, and said part having a slot detachably engaged by said bolt.

1,514,439. METHOD AND APPARATUS FOR MANUFACTURING COATED PAPER BOARD. CHARLES C. COLBERT and GEORGE EDWARD PRESTON, Elkhart, Ind. Filed July 2, 1923. Serial No. 648,883. 24 Claims. (Cl. 91-68.)



1. A method of making coated board by successively forming, drying, calendering, coating, drying and finishing continuous board without reeling it between successive stages of manufacture.

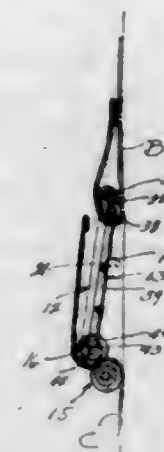
2. A method of making coated board characterized by continuously producing raw board in a continuous web; continuously delivering said web to a flexible accumulation thereof; drawing the web from said accumulation; and coating the web while drawing it from said accumulation.

11. A method of making coated board characterized by continuously producing raw board in a continuous web; continuously delivering said web to a flexible accumulation thereof; drawing the web from said accumulation; coating the web while drawing it from said accumulation; drying the coated board while accumulating a flexible supply thereof; and finishing the board while drawing it from said last mentioned supply.

18. A plant for making coated board comprising, in combination, means for continuously producing raw board in a continuous web; means for maintaining a flexible accumulation of the web, to which the web is continuously delivered from said producing means and from which the web is drawn for coating; and means for drawing the web from said accumulation and coating the same while so drawing it from said accumulation.

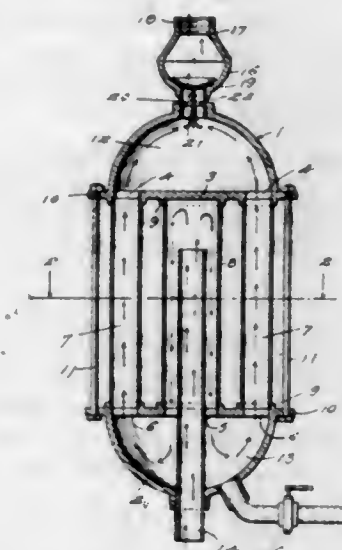
23. A plant for making coated board comprising, in combination, board-making and coating machines arranged for producing and coating board while maintaining its continuity between production and coating; means for maintaining an accumulation of slack board between said machines; and means for varying the accumulating capacity of said accumulating means.

1,514,440. GARTER CLASP. WALTER W. CRAM, Sheldon, Iowa. Filed June 2, 1924. Serial No. 717,381. 4 Claims. (Cl. 24-248.)



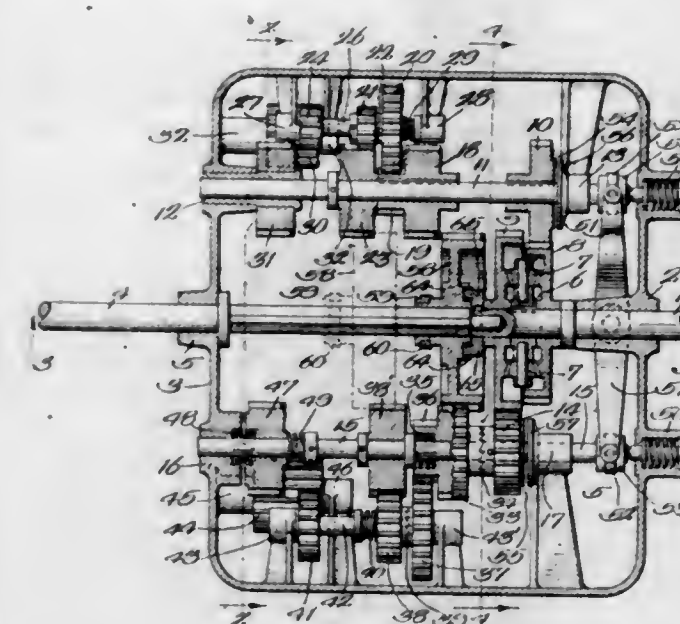
3. A clasp comprising a frame portion having the lower end thereof laterally offset with a sleeve fixed thereon, a second frame having side bar portions which may be laterally flexed to spring the same, means pivotally connecting the second frame to the first mentioned frame at a point on the first mentioned frame remote from the sleeve thereof, and a roller rotatably supported on the second mentioned frame at its free end of less length than said sleeve and adapted to move into abutting contact with the sleeve to spring the frames slightly for holding the sleeve and roller in abutting clamped relation.

1,514,441. EXHAUST TRAP. ARTHUR J. CULP, Clanton, Ala. Filed Oct. 25, 1923. Serial No. 670,745. 3 Claims. (Cl. 183-95.)



1. A device of the character specified, comprising spaced headers, each header having corresponding openings in its outer portion and one header having its central portion solid and the opposite header having an opening in its central portion, tubes connecting the outer openings of the headers, a central tube closed at one end by a header and in communication at its opposite end with a central opening of the opposite header, a tube connected with the last mentioned header and extending through the opening thereof and into the central tube and terminating a short distance from the closed end thereof, and a check valve applied to the header serving to close the end of the center tube.

1,514,442. POWER-TRANSMISSION MECHANISM. CHESTER W. DARROW, Chicago, Ill. Filed Apr. 28, 1924. Serial No. 709,570. 54 Claims. (Cl. 74-34.)

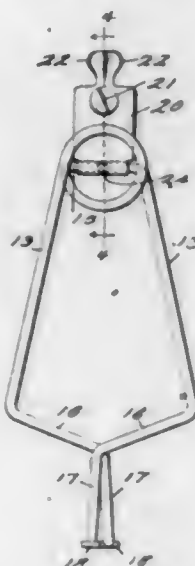


1. The combination with a driving shaft; of two gears rotatable with respect to each other and with respect to said shaft; gearing driven by said shaft and constituting a differential coupling with aforesaid gears in mesh therewith; two countershafts driven, respectively, by the aforesaid two gears; two gears, one on each countershaft; a load shaft; and a gear turning with and movable along the load shaft to be brought into and out of engagement with the latter two gears and with which it is adapted to have simultaneous engagement.

1,514,443. METHOD OF REFINING TIN. PHILIP W. DAVIS, Cambridge, Mass. Filed Jan. 4, 1922. Serial No. 526,877. 4 Claims. (Cl. 75-17.)

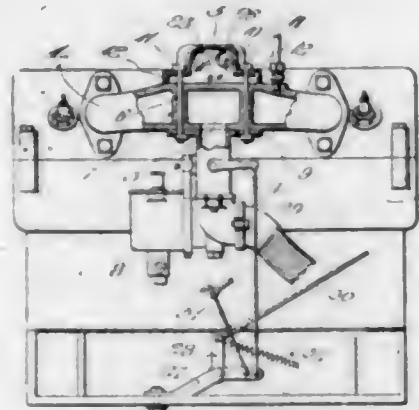
1. The method of refining tin-iron mixtures or alloys which consists in melting the tin-iron mixture or alloy and passing oxygen through such molten mass.

1,514,444. TERMINAL CONNECTION FOR CHARGING STORAGE BATTERIES. CHARLES F. DUCHANOIS, Youngstown, Ohio. Filed July 10, 1919. Serial No. 309,907. 3 Claims. (Cl. 173-273.)



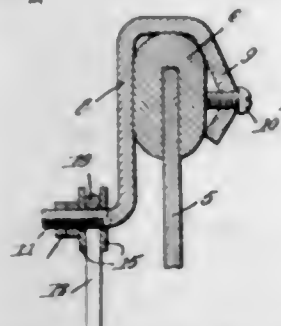
1. A terminal connection for engagement with the electrodes of a storage battery in charging the same, formed of suitably stiff and resilient wire, which is bent upon itself for providing oppositely arranged arms, said wire being bent at the upper ends of the arms to form a torsional coil spring and a portion of the wire extending diametrically of the coil of the spring, said arms carrying jaws at their opposite ends, a plate having one end bent to surround the diametrically disposed portion of the wire, and means for connecting the wire with the plate.

1,514,445. INTAKE-MANIFOLD HEATER. WILLIAM G. DUNN, Clarinda, Iowa. Filed Dec. 10, 1923. Serial No. 679,535. 5 Claims. (Cl. 123-122.)



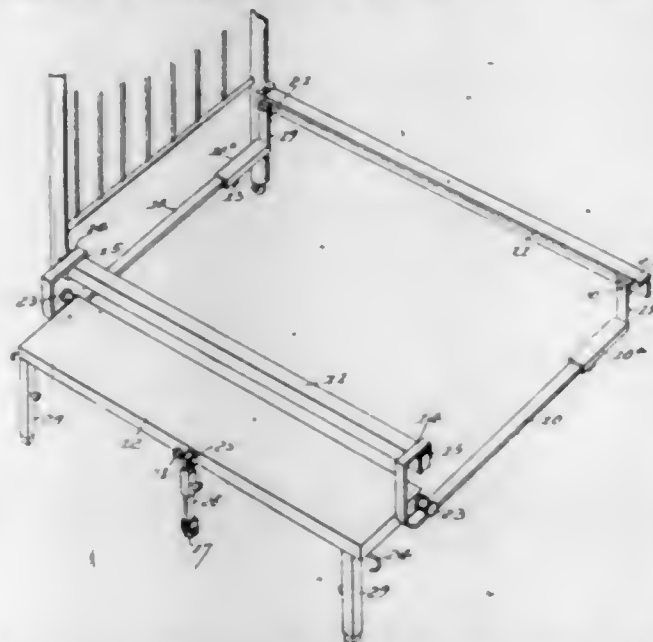
1. The combination with an internal combustion engine having an exhaust manifold at one side of the cylinder head and an intake manifold at the opposite side of said head; of an open-bottomed casing secured upon the upper side of said intake manifold and closed by the latter, said casing extending above the cylinder head, a passage member communicating with the interior of the exhaust manifold and extending therefrom above the cylinder head, an exhaust gas passage extending over the cylinder head and connecting said passage member with said casing, and an exhaust gas outlet from said casing.

1,514,446. WINDSHIELD WIPER. CECIL YALE DYKE, Ontario Can. Filed Mar. 29, 1924. Serial No. 702,918. 1 Claim. (Cl. 15-255.)



A windshield wiper including an inverted U-shaped saddle having an offset portion formed with a threaded opening, a set screw extending through the offset portion of the saddle to secure the saddle to a windshield frame, said saddle having a vertically disposed arm terminating in a right angle extension providing a bearing, a wiper arm having an eye in its upper end adapted to fit over the bearing, and means for securing the wiper arm to the bearing to permit the wiper arm to move thereon.

1,514,447. BED EXTENSION. BERNARD H. EDWARDS, Spring Hope, N. C. Filed May 29, 1923. Serial No. 642,311. 2 Claims. (Cl. 5-185.)

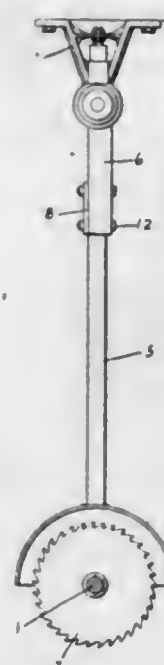


1. A side extension for a bedstead frame having transverse guide bars provided with terminal means for engagement respectively with the angle iron side rails of the bedstead frame, an extension bed frame slidably mounted upon said guide bars for movement into folded and extended positions with relation to the main bedframe and permanently supported at its inner edge by said guide bars, means for supporting the outer edge of said extension bed frame when in its extended position, said guide bars being provided at certain of their ends with brackets lying beyond and having a return part overhanging the side rail at one side of the bedframe and at the other ends with hanger arms, said brackets and hanger arms being provided with outwardly directed studs, and anchor blocks adapted to be seated in the angle of the bedstead side rails, and having sockets for the reception of said studs.

1,514,448. POWER-APPLYING MEANS. ROBERT D. EAGLESFIELD, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 554,294. 2 Claims. (Cl. 143-46.)

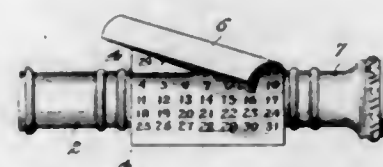
1. In a cut-off saw, a pair of spaced bearings, a head swingably supported thereby said head comprising a relatively wide and shallow channel-iron having a horizontal flange at the top and tapering downward toward

a pair of parallel side flanges, a relatively wide and shallow channel-bar guided by said side flanges for adjustment up and down said channel bar having a horizontal flange at the top, a cross-bar extending over the side flanges of the channel iron and secured thereto



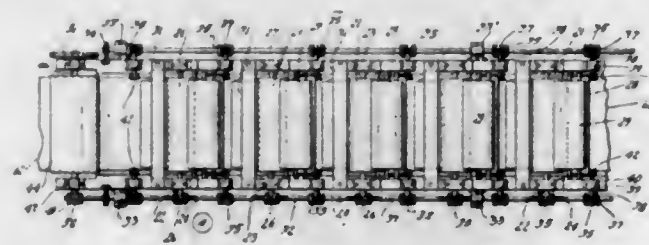
to provide a pocket through which the channel bar can move, a bolt having its head resting on the first-named horizontal flange, and a nut therefor beneath the second horizontal flange said channel bar, supporting at its lower end a rotary sawshaft and means for driving the same, substantially as set forth.

1,514,449. CALENDAR ATTACHMENT FOR PENCILS. ANDREW EGGER, Ridgway, Pa. Filed June 30, 1924. Serial No. 723,385. 4 Claims. (Cl. 40-108.)



2. In combination, a pencil having a slotted sleeve, an auxiliary sleeve disposed therewithin and bearing a calendar adapted normally to lie between the sleeve within the pencil, and means whereby the movement of the auxiliary sleeve will cause the calendar to project through the slot in the first-mentioned sleeve for exhibition.

1,514,450. MACHINE FOR PRINTING AND EMBOSSEING ENDLESS PAPER. EDWIN H. ERVIN, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 666,713. 16 Claims. (Cl. 101-22.)



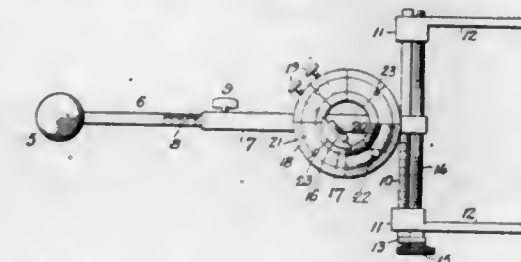
1. A machine for printing endless paper including impression rollers, means for delivering ink to each of said impression rollers, means for drying the ink as the paper passes from one roller to another, and means for embossing the paper after printing thereon.

1,514,451. COMB. ALLEN F. FEASTER, Boulder, Colo. Filed Aug. 28, 1923. Serial No. 659,770. 3 Claims. (Cl. 132-14.)



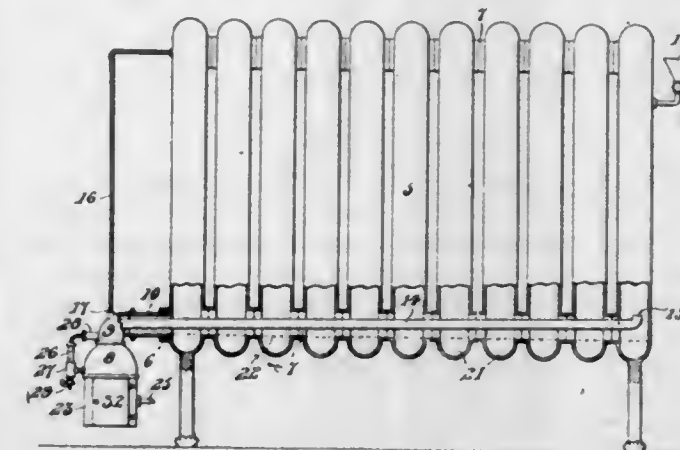
1. A device of the character described comprising a shank, a handle, a connecting extension carried by the shank and fastened in the handle, teeth formed on the shank, supporting members comprising oppositely movable fingers pivotally mounted on the shank, an operating rod, means to connect the operating rod to the said supporting members, and a finger grip formed on the operating rod whereby the latter may be longitudinally adjusted to move the supporting members toward or away from the said shank.

1,514,452. GAUGE FOR ANGLES. FRED FREDERICKSON and DENNIS E. TISCHER, Ogden, and JOHN S. FORSGREN, Brigham City, Utah. Filed Sept. 9, 1920. Serial No. 409,179. 7 Claims. (Cl. 33-181.)



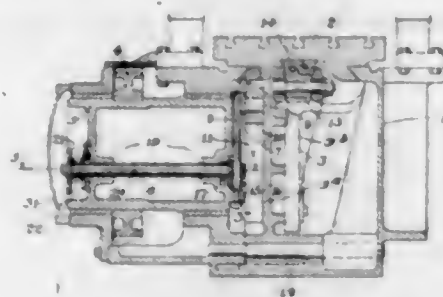
1. In a gauge, the combination of a bar having a centering pin, a transverse bar at the end of said first bar, adjustable jaws on the transverse bar, an adjustable scale carried by the first mentioned bar, and a spirit level on the adjustable scales.

1,514,453. STEAM-HEATING DEVICE. ARTHUR CLARICO FREEMAN, Jr., Philadelphia, Pa. Filed June 29, 1921. Serial No. 481,337. 3 Claims. (Cl. 237-16.)



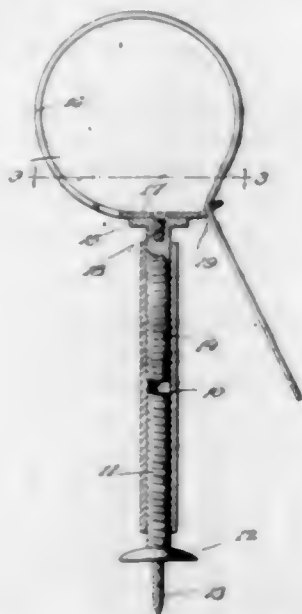
1. The combination with a radiator formed of a plurality of vertical sections connected together at their upper and lower portions, of a steam generating apparatus, means for connecting said generating apparatus to the lower portion of one end section for forming a condensate return, and a pipe leading from said generating apparatus through said condensate return and through the lower connections for said sections for delivering steam to a section remote from the steam generating apparatus, whereby steam delivered to the last mentioned section will circulate through the remaining sections to be returned to the steam generating apparatus in the form of water of condensation.

1,514,454. STROKE-ADJUSTING MECHANISM. HERBERT S. FULLERTON, Philadelphia, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 13, 1921. Serial No. 436,064. 15 Claims. (Cl. 90-34.)



15. In combination with a metal working machine comprising a bed, a work support and a tool support, means for reciprocating one support, means comprising a shaft for varying the stroke of the reciprocating member, a sleeve mounted on and secured to the shaft, an indexing dial loose on the sleeve, an internal gear surrounding the sleeve, an external gear mounted on an eccentric portion of the sleeve, the two gears having different numbers of teeth and meshing adjacent the greatest diameter of the eccentric, and means connecting the dial with one of the gears.

1,514,455. PIPE HANGER. JOHN GORDON, Minneapolis, Minn. Filed Dec. 20, 1922. Serial No. 607,986. 1 Claim. (Cl. 248-31.)

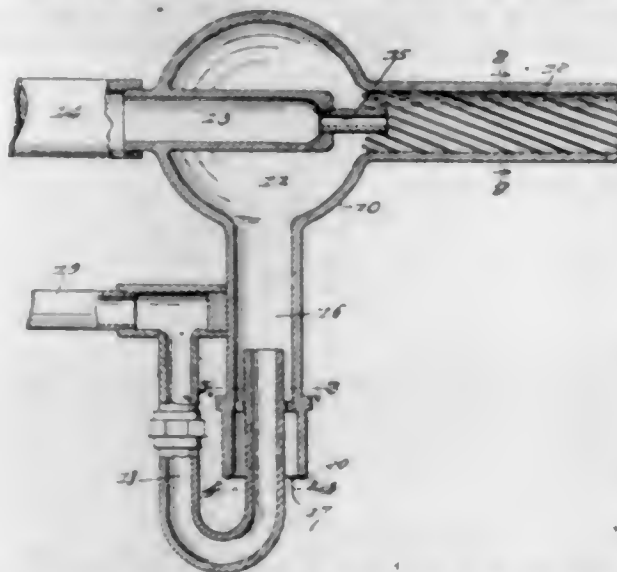


A pipe hanger comprising a barrel reversely threaded interiorly at its opposite end portions, a suspending rod engaged in one end of the barrel, a flange on said rod at the free end thereof to bear against a fixed support, a securing device projecting from said flange, a hanger rod engaged in the opposite end of the barrel, a head on the outer end of the hanger rod, and a pipe-encircling band detachably secured across and against said head, rotation of the barrel effecting simultaneous endwise adjustment of the rods.

1,514,456. OIL BURNER. GEORGE LEWIS GOULD, Plain Dealing, La. Filed Feb. 10, 1922. Serial No. 535,537. 1 Claim. (Cl. 158-96.)

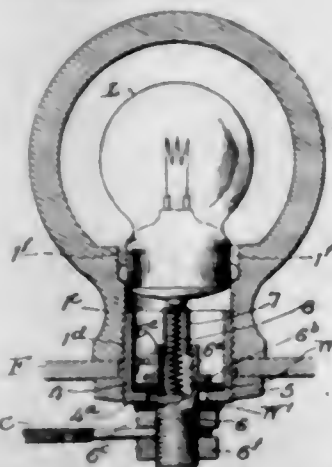
A crude oil burner having a globular mixing chamber provided with a radially extending burner tube and with a depending feed tube disposed substantially at right angles to the burner tube, an injection nozzle disposed within and in diametrical relation with the mixing chamber and in axial alignment with the burner tube, a fuel feed tube extending into the said feed tube and

of reduced diameter as compared to the latter to provide an intervening space between it and the said feed tube, to provide an air inlet at the lower end of the feed



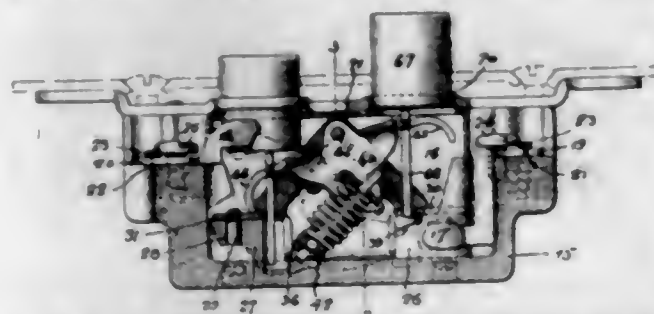
tube and around the fuel feed tube, and a screen covering the open lower end of the feed tube around the fuel feed tube.

1,514,457. PARKING LIGHT. ANGUS R. GROSS, Baltimore, Md. Filed Sept. 26, 1921. Serial No. 503,353. 16 Claims. (Cl. 240-7.)



5. In a parking light the combination of a casing, a shank member engaging the casing and having an inwardly projecting flange at its lower end, a threaded member passing through the opening in the shank, washers above and below the bottom of the shank member to position the said threaded member in the shank member and insulate it therefrom, a nut for fastening the washers in place, and a contact member telescopically engaged with the upper end of said threaded member.

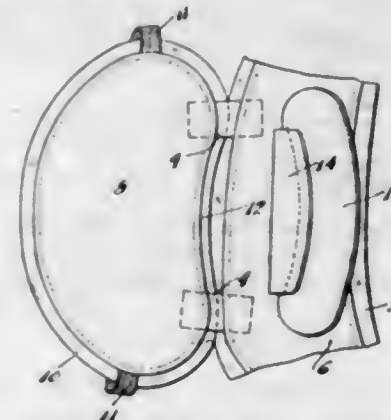
1,514,458. ELECTRIC SWITCH. WILLIAM H. HARRINGTON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 7, 1922. Serial No. 599,499. 22 Claims. (Cl. 200-72.)



1. In a toggle switch mechanism, an oscillating switch member, an oscillating rock lever, a switch spring operatively interposed between said rock lever and switch

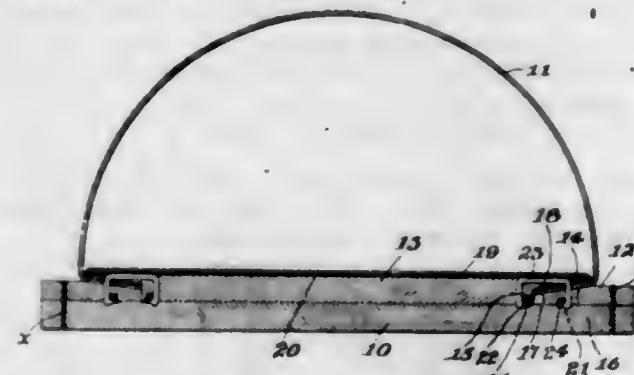
member, and shiftable at one end by the rock lever, from one side to the other side of the axis of oscillation of the switch member, said rock lever being shaped for interchangeable operating slidable engagement by actuating members of different types.

1,514,459. SHOULDER PAD. THOMAS J. HARTMAN, Chicago, Ill. Filed Mar. 12, 1923. Serial No. 624,529. 6 Claims. (Cl. 2-2.)



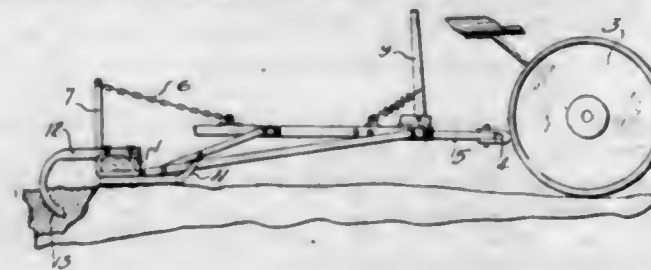
1. The combination with a guard curved to fit on top of the shoulder, of a shoulder joint cap flexibly connected with said guard, the inner edge of said cap being outwardly curved in form to form a recess fitting over the shoulder guard when swung upwardly, substantially as described.

1,514,460. SHOE AND METHOD OF MAKING SAME. JOHN D. PAICH and WALTER HENRY DRAKE, Cleveland, Ohio. Filed Oct. 31, 1922. Serial No. 598,131. 12 Claims. (Cl. 36-17.)



9. A shoe comprising an insole, a liner for the insole with its edges turned under and positioned within a rabbet formed in the edge of said insole, an upper having its edges turned inwardly and positioned within the rabbet and upon the turned edges of the liner, a welt strip bearing upon the turned edges, reinforcing wires embedded in said welt strip and said insole and spaced upon opposite sides of the dividing line, and staples penetrating said insole, said edges and said welt strip and bearing upon the reinforcing wires, maintaining said wires in fixed relation relative to each other.

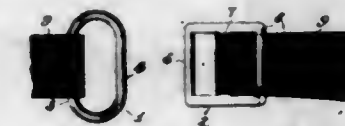
1,514,461. CULTIVATOR. JOSEPH S. REYNOLDS, Carpinteria, Calif. Filed Oct. 28, 1920. Serial No. 420,234. 2 Claims. (Cl. 27-238.)



1. In a cultivator, a cross bar rectangular in cross section, shoes connected to the bottom of the cross bar and extending forwardly and upwardly, draft rigging con-

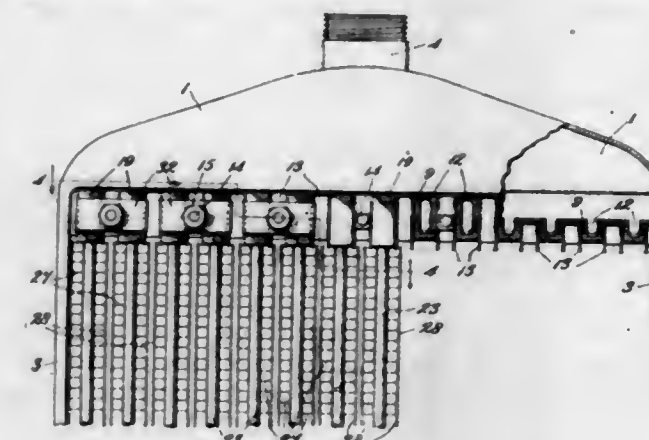
nected to the cross bar, earth working elements connected to the cross bar and extending backwardly and downwardly, and means for tilting the cross bar to run upon the forward ends of the shoes and raise the earth working elements out of the ground.

1,514,462. ADJUSTABLE DUPLEX QUICK-RELEASE FASTENER. NATHAN RITTER, Brooklyn, N. Y. Filed Mar. 11, 1924. Serial No. 698,482. 3 Claims. (Cl. 24-197.)



1. A fastener of the character described, comprising a loop, a strap connected to one bar of the loop, and a slide appreciably narrower than the internal width of the loop and having an intermediate bar receiving the strap and of a length to overlap the loop.

1,514,463. SECTIONAL RADIATOR FOR AUTOMOBILES. GIACINTO ROSSI, Philadelphia, Pa. Filed Mar. 21, 1922. Serial No. 545,472. 2 Claims. (Cl. 257-129.)



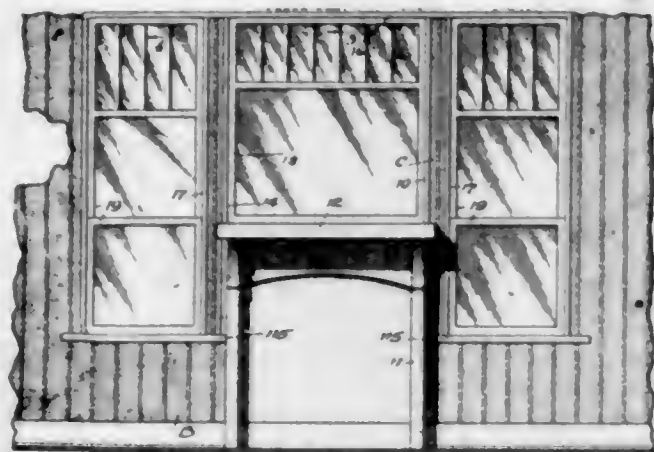
1. In a radiator construction the combination with a pair of spaced receptacles each of which is provided with an inclined surface having openings therein, of a plurality of readily removable connections having inclined surfaces provided with openings adapted to register with said first mentioned openings; guiding means carried by said surfaces adapted to assist in causing the registration of said openings; and adjustable means for holding said connections in position between said receptacles with their openings in register with the openings in said receptacles.

1,514,464. RECORD-KEEPING DEVICE. FLOYD A. ROCKMAN, Fort Wayne, Ind. Filed Jan. 2, 1924. Serial No. 684,095. 4 Claims. (Cl. 40-10.)



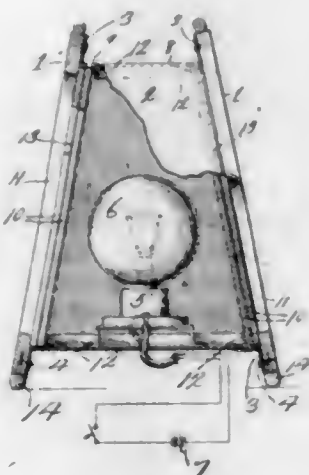
1. A device of the class described comprising a tablet and a holding frame surrounding the same and adapted to be mounted on a support, a pencil-holding tube carried by said frame and extending rearwardly therefrom for passage through the support, and a cover for said tablet having a peripheral notch receiving the front end of said tube and also having a flange surrounding a portion of said frame.

1,514,465. MANTLE AND WINDOW ASSEMBLAGE. SAMUEL SANDERSON, Waltham, Mass. Filed Jan. 11, 1923. Serial No. 612,046. 1 Claim. (Cl. 20—40.)



A structure of the class described comprising a frame, a mantle built into said frame at the approximate center, a window in said frame above the mantle, side windows in said frame extending below the first-mentioned window, a water table in said frame and extending continuously beneath the side windows and beneath the central window below the top of the mantle and forming sills for said side windows, and a head in the frame extending continuously across all the windows.

1,514,466. ILLUMINATED SIGN. ANTHONY F. SAVAGLIO, Chicago, Ill. Filed Apr. 24, 1924. Serial No. 708,754. 3 Claims. (Cl. 40—132.)

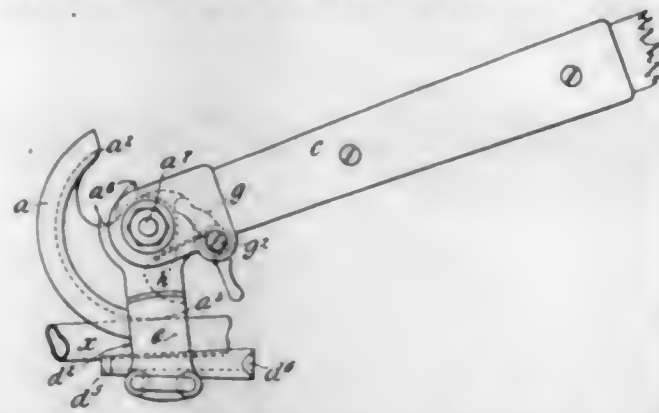


1. An illuminated sign comprising oppositely disposed frames, a casing disposed between said frames and to which the frames are connected, means for supporting an electric lamp in said casing, said casing being provided adjacent the frames with slots whereby sheets of glass may be disposed within the casing in registration with openings in the frames, a translucent legend carrying member interposed between the sheets of glass and flanges disposed within the casing and cooperating with the inner side of the inner sheets of glass for maintaining the sheets of glass in registration with the openings in the frames.

1,514,467. TUBE OR ROD BENDING APPLIANCE. WILLIAM SCHONFIELD, London, and CHARLES LOUIS NORTH, Hampstead, London, England; said North assignor to said Schonfield. Filed Nov. 4, 1922. Serial No. 599,047. 6 Claims. (Cl. 152—40.)

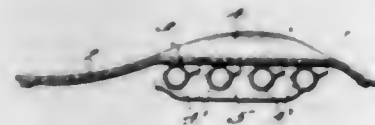
1. A pipe bending appliance comprising a substantially segmental shaped former having a groove engageable with the pipe to be bent and having a boss, the former being rotatable on an axis passing through said boss, a grip including parallel arms carried by said former and

extending radially of the axis of rotation of said former and constituting an open-ended fork to straddle the pipe, means carried by said fork and adapted to engage said



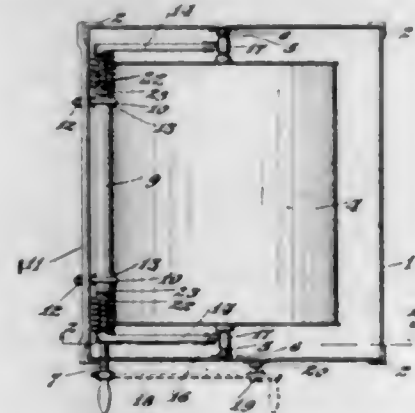
pipe substantially diametrically of the point at which the pipe is engaged by said former, and means closing the end of said fork and upon which said pipe engaging means rest.

1,514,468. ARCH CUSHION. JOHN P. W. SCHOFF, Los Angeles, Calif. Filed Aug. 2, 1922. Serial No. 579,233. 1 Claim. (Cl. 36—71.)



In an arch support, a body having an arched portion, air filled tubes disposed transversely on the under face of the body at the said arched portion thereof, and an air filled tube arranged longitudinally of the body and at one edge thereof, said longitudinally arranged air tube secured to the transversely arranged air tubes and disposed beneath the end portions thereof adjacent one edge of the body.

1,514,469. WASHING MACHINE. WILTON S. SCHUYLER, Springfield, Ohio. Filed Sept. 24, 1923. Serial No. 664,637. 6 Claims. (Cl. 68—18.)

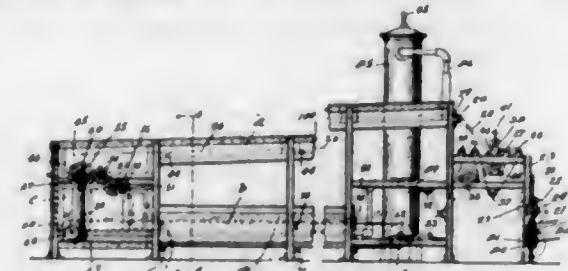


1. In a washing machine, a tub, an agitator member hinged to the inner face of a wall of said tub so as to be swung into and out of said tub, and a pair of coil springs located inside of said tub, one at each end of said agitator member, and arranged to partly counterbalance the weight of said member.

1,514,470. APPARATUS FOR COATING AND DRYING FABRICS. PAUL S. SMITH, West Barrington, R. I., assignor, by mesne assignments, to O'Bannon Company, West Barrington, R. I., a Corporation of Massachusetts. Filed Mar. 29, 1920. Serial No. 369,823. 28 Claims. (Cl. 34—48.)

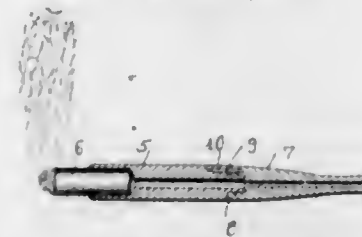
24. In drying apparatus for material in the web, the combination of a drying chamber through which the wet coated web is adapted to pass, means to circulate a dry-

ing medium through the chamber over the wet coated web to abstract moisture therefrom, a condenser through which the moist drying medium is passed to be cooled



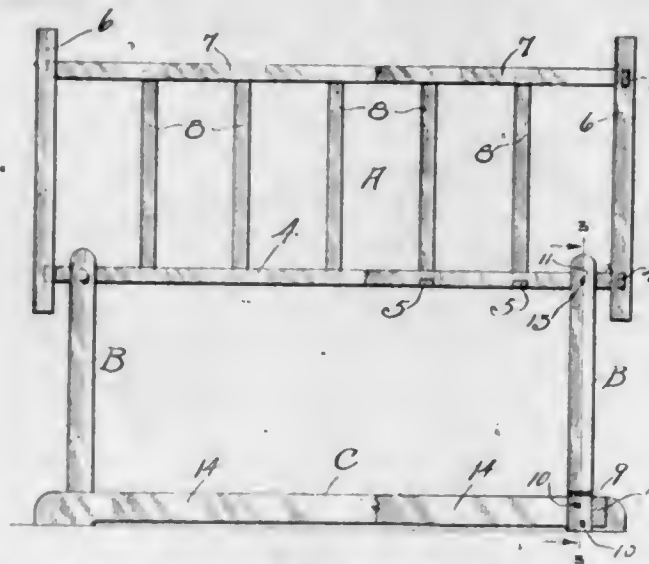
and the moisture therein condensed, and baffle plates arranged in the path of said cooled drying medium in the condenser to further separate moisture therefrom.

1,514,471. CIGARETTE HOLDER. ARNT A. SOLBERG, Coon Valley, Wis. Filed Feb. 21, 1924. Serial No. 694,353. 1 Claim. (Cl. 131—10.)



In a cigarette holder, a socket section for the reception of the cigarette, a bit section detachably secured thereto, the bit section having a spur anchored in its inner end and projecting therefrom and the said first mentioned section having a socket in its end contiguous to the bit in which the spur may be seated, substantially as described.

1,514,472. CRIB. GEORGE P. SPADY, Imperial, Nebr. Filed July 6, 1923. Serial No. 649,921. 3 Claims. (Cl. 5—104.)

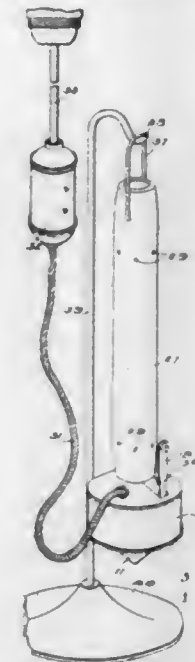


1. In a crib, the combination of a body, a rectangular supporting base having side strips and end bars and a plurality of vertically disposed resilient supports connecting the body and base and formed of straight flat strips having their upper ends secured to end portions of said body and having their lower ends secured in the corners of said base.

1,514,473. FOUNTAIN SEALING DEVICE. WALTER SPIES, New York, N. Y. Filed Nov. 7, 1922. Serial No. 599,583. 5 Claims. (Cl. 120—116.)

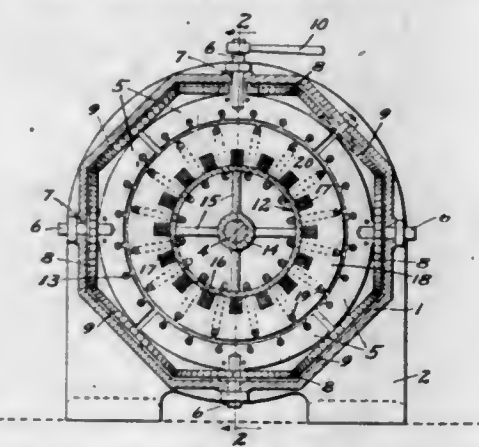
5. A fountain sealing device comprising a hollow head having a funnel-shaped bottom wall provided with a circular concentric discharge port, a tubular upstanding handle member having communication therewith com-

prising inner and outer spaced concentric walls, the said outer wall having radial openings adjacent its upper and lower ends to permit of a circulation of air between said walls for cooling the handle, a heating element surrounding said head for melting the contents and maintaining the same in a molten condition, a covering jacket surrounding and protecting the heating element, a ball valve within the funnel shaped bottom wall of the head and partially protecting therefrom when in



open relation to the discharge port to constitute a point for the device around the surface of which the molten wax feeds and the remains of which is applied to the article to be sealed, means connected with said ball valve for normally setting the same with relation to the discharge port, and a manipulating handle connected with said means and located adjacent the lower end of the device for unscrewing the ball valve with relation to the discharge port.

1,514,474. VARIABLE-SPEED INDUCTION MOTOR. RALPH E. STEWART, Los Angeles, Calif. Filed Nov. 9, 1921. Serial No. 513,980. 3 Claims. (Cl. 172—120.)

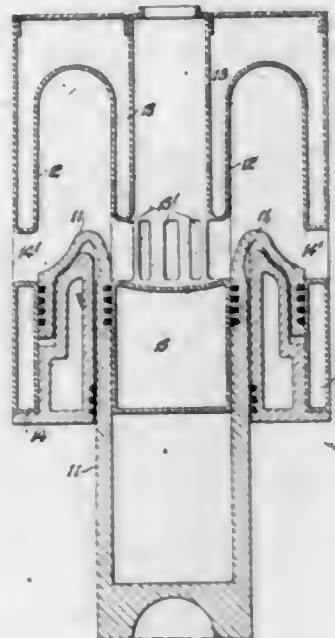


1. An induction motor, comprising a segmental stator, means by which a magnetic flux is generated which constantly shifts in one direction and so as to traverse only a portion of the rotor, and means for mounting the stator to allow shifting thereof to various positions whereby the angle of intersection of the flux with respect to the rotor bars can be varied.

1,514,475. INTERNAL-COMBUSTION ENGINE. WILLIAM JOSEPH STILL, London, England. Filed Jan. 4, 1921. Serial No. 434,983. 2 Claims. (Cl. 123—52.)

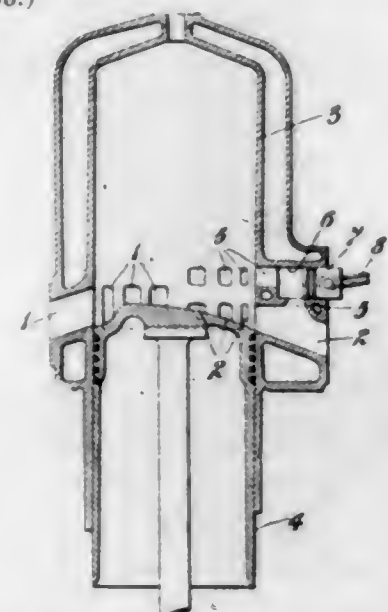
1. A large internal combustion engine comprising a cylinder having a central chamber, a jacketed outer wall, a circular screen in the form of an annulus disposed centrally and longitudinally within the jacketed outer

wall and arranged to shield every part of the inner surface of the outer wall from some of the heat particles produced by combustion and contained within the cylinder and coacting with said jacketed outer wall to form an annular chamber therebetween, said cylinder also having a chamber to contain a cooling medium arranged



centrally in said cylinder and spaced from the first named central chamber, means for supplying cooling fluid to the outer jacketed wall, the interior of the circular screen and the said second named central chamber, and an annular piston arranged in sliding contact with both the outer wall of the cylinder and the central circular screen.

1,514,476. TWO-STROKE INTERNAL-COMBUSTION ENGINE. WILLIAM JOSEPH STILL, London, England. Filed Sept. 1, 1921. Serial No. 497,700. 1 Claim. (Cl. 123-65.)



A two stroke internal combustion engine comprising a cylinder, a series of openings in the wall of said cylinder adapted to constitute a scavenging charge inlet port, a further series of openings in the wall of the cylinder on the opposite side of said inlet port adapted to constitute a main exhaust port, a piston reciprocable in said cylinder and adapted to function as a valve for opening and closing said inlet and exhaust ports, the openings constituting the inlet port being of greater depth than the opening constituting the main exhaust port whereby said inlet openings are uncovered by the piston on its expansion stroke earlier than the main exhaust port openings and covered by such piston on its compression stroke later than said exhaust port, and a valve controlled auxiliary exhaust port disposed above the level of

the main exhaust port adapted to open on the expansion stroke of the piston so as to lower the pressure in the cylinder before the main exhaust port is uncovered and to close upon the compression stroke of the piston whereby the inlet port remains open for a short period after both exhaust ports are closed.

1,514,477. CARVING FORK. GEORGE HENRY STREET, Sheffield, England. Filed Nov. 3, 1923. Serial No. 672,540. 2 Claims. (Cl. 30-21.)



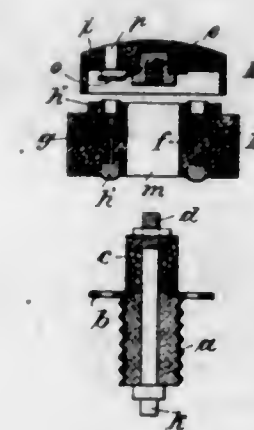
1. A carving fork comprising a body provided with prongs and also having a bore, a handle having a bore at one end thereof, a tang, one end of which is split to form a spring tongue and contained in the bore in the body, the other end being contained in the bore in the handle, and a guard pivoted in a slot in the body opening into the bore and provided with a two position cam hump cooperating with the spring tongue.

1,514,478. CANT HOOK. HALLIE D. SWAIN, Meridian, Miss. Filed Oct. 28, 1921. Serial No. 511,163. 1 Claim. (Cl. 294-17.)



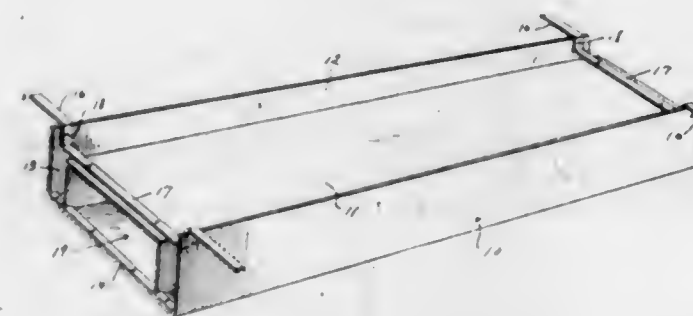
In a cant hook, a stock, a shank pivotally mounted on the stock, a hook on the outer end of the shank extending inwardly, a spur projecting from the face of the hook and extending outwardly approximately opposite to the direction of the hook, a nose-piece on the end of the stock below the pivot of the shank, anchoring elements projecting from opposite sides of the stock at an angle with relation to the axis of the stock, one of said anchoring elements being positioned to extend toward the hook and the other anchoring element being located on the opposite side of said stock and extending away from the said hook.

1,514,479. MAGAZINE FUSE PLUG. JEAN SZYKIER, Berlin, Germany, assignor to Semplux G. m. b. H., Berlin, Germany. Filed June 3, 1921. Serial No. 474,727. 2 Claims. (Cl. 200-125.)



2. A magazine fuse plug, comprising a relatively fixed member, a cap member spaced therefrom and connected therewith, electrical contacts on said members, a rotary member between said contact carrying members, a fuse member removably fixed on said rotary member and rotatable therewith, and fuses within said fuse member located for successively connecting said contacts, the configuration of said rotary member varying according to the capacity of the said fuses.

1,514,480. APPARATUS FOR BURNING EARTH FOR PLANT BEDS. ROLLAN A. TAPP, Madison, Ill. Filed Apr. 4, 1923. Serial No. 629,829. 2 Claims. (Cl. 34-21.)



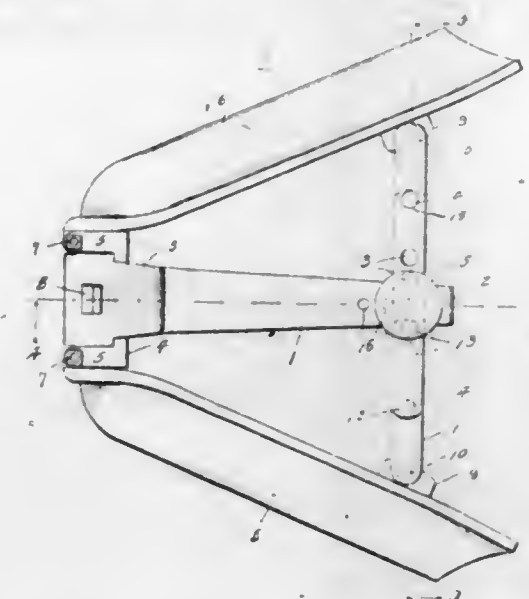
1. A portable earth burning furnace, comprising a pair of elongated members U shaped in cross section, one of said members being of greater width and height than the other of said members, the smaller member being inverted upon the right portion of the other of the members and secured against movement with relation thereto, adjacent sides of said members being maintained in spaced relation.

1,514,481. ADJUSTABLE BRACE AND SWEEP. CLOVIS M. TAYLOR, Booneville, Miss. Filed Dec. 6, 1923. Serial No. 678,919. 2 Claims. (Cl. 97-205.)

1. A plow sweep comprising a frame bar having a loop at its rear end, blades pivoted at their front ends to the front of the frame bar and adjustable laterally at their rear ends, braces extending inwardly from the

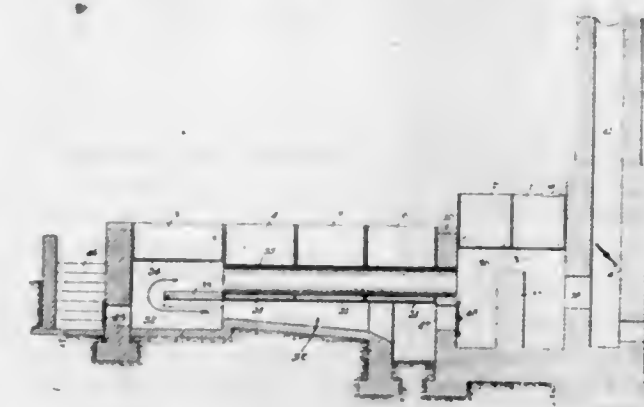
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rear ends of the blades and overlapping and inserted in said loop, and a set screw adjustable in the length



of the loop and adapted to clamp the overlapped portions of the braces and secure them to the frame bar in the required adjusted position.

1,514,482. SUGAR-EVAPORATING PLANT. MARIO TERAN L. and MANUEL MARIA TERAN L., Valera, Venezuela. Filed Dec. 27, 1920. Serial No. 433,441. 5 Claims. (Cl. 159-40.)

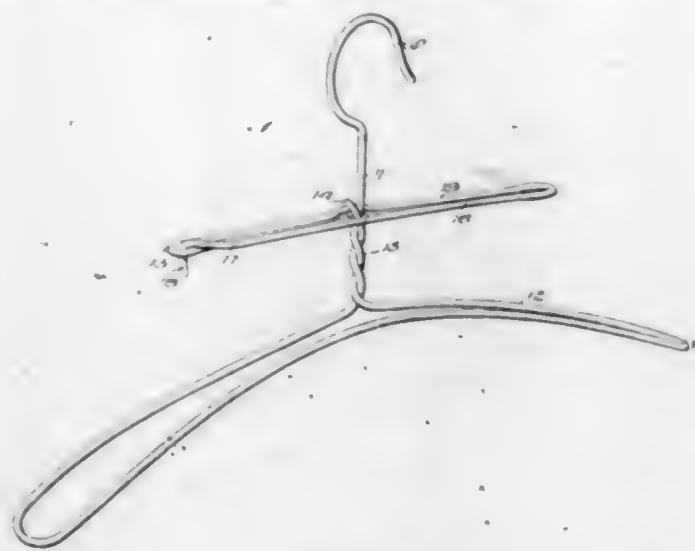


1. A sugar evaporating plant comprising an evaporator, a trough arranged along one edge of said evaporator to receive overflow therefrom, a valve in said trough, a gate at one end of said trough to separate the end portion from the main portion of the trough, means connecting the gate and the valve, said means adapted when it opens the valve to close the gate, a receptacle operably connected with the opening controlled by the valve, and a pipe connection disposed with respect to the portion of the trough controlled by the gate, said pipe connecting with the bottom of the evaporator whereby overflow received in this end of the trough will return to the evaporator.

1,514,483. GARMENT HANGER. ANNA M. THOMPSON, New York, N. Y. Filed July 26, 1922. Serial No. 577,627. 1 Claim. (Cl. 211-13.)

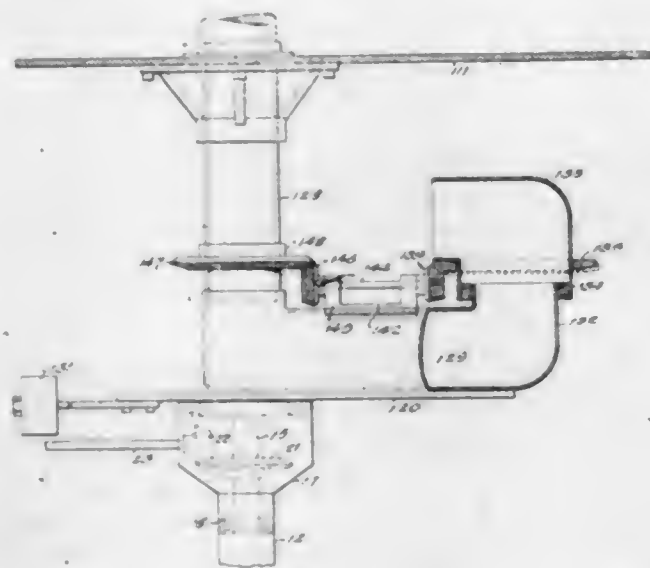
A garment hanger formed from a single length of wire comprising a hook formed at the upper end thereof, said wire then extending downward to provide a standing member, said member provided with a loop, the lower end of the standing member formed into a curved garment support by doubling the wire back upon itself defining two arms extending on opposite sides of the standing member, a second garment support formed on

the standing member above the first named garment support, said second garment support formed by bringing the wire back along the standing member from the lower garment support, folding it to form an arm at one side of the standing member, said arm presenting an



eye at its outer end, then carrying the wire through the aforesaid loop in the standing member and forming a U-shaped arm on the opposite side of the standing member, carrying the wire across said standing member parallel to the arm presenting the eye, and forming a hook at its end for engagement with said eye.

1,514,484. MIXER. GROVER CLEVELAND TRUSLOW, Draper, N. C. Filed May 7, 1923. Serial No. 637,314. Renewed Sept. 13, 1924. 4 Claims. (Cl. 19-146.)

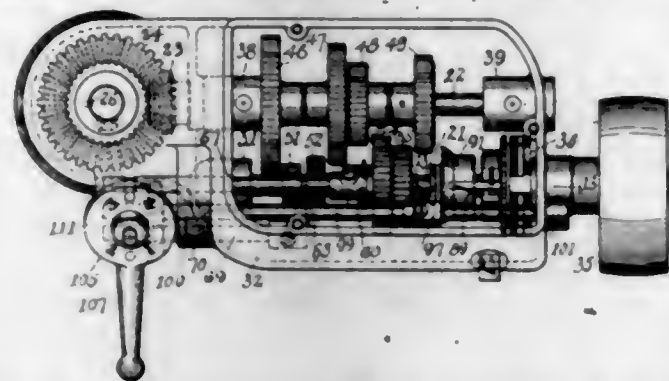


2. In a mixer of the class described, a turntable discharge pipe, means to cause a flow of fiber through said discharge pipe, and a terminal fitting on said discharge pipe opening laterally for escape of the fibers, said fitting forming the end of the pipe and constituting the outlet from which the fibers may issue from the pipe in a direction laterally outward.

1,514,485. CHANGE-SPEED MECHANISM. PAUL S. WARD, Cincinnati, Ohio, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 20, 1922. Serial No. 595,759. 30 Claims. (Cl. 74-58.)

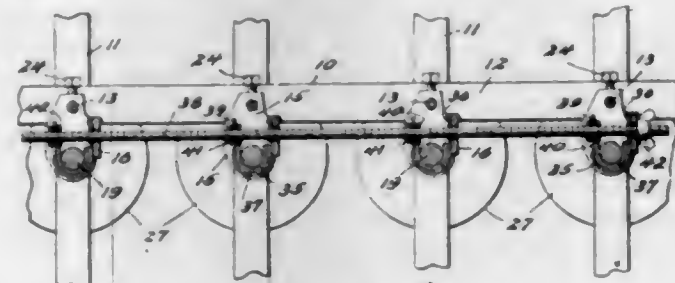
1. In speed changing mechanism, the combination of gearing, a pair of shiftable elements for effecting speed change in said gearing, a rockable member rockable in

planes substantially parallel to and substantially at right angles to the shifting movement of said shiftable elements, and a pair of shifting parts and a pair of



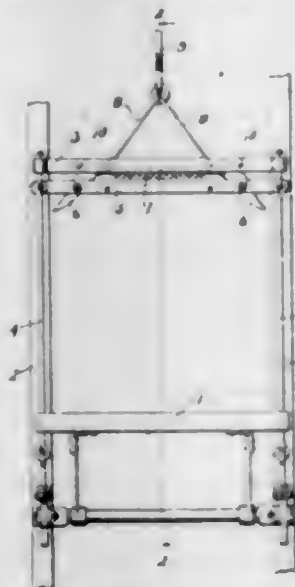
locking parts respectively having connection with opposite ones of said shiftable elements for shifting movement of one of said shiftable elements and locking of the other of said shiftable elements.

1,514,486. TENSION MECHANISM FOR REVOLVING SPINDLES ON CREEL FRAMES. JOSEPH FRANK WATSON, Willsboro, S. C. Filed May 26, 1922. Serial No. 563,928. 7 Claims. (Cl. 242-156.)



1. In a device of the class described, the combination with a spindle of a support adapted to be attached to a creel frame having two spaced bearings receiving and rotatively supporting the end of the spindle the said spindle being adapted to so engage a spool of thread placed on said spindle as to cause simultaneous rotation of said spool and spindle, a flexible brake member carried by said support partly surrounding said spindle between said bearings making frictional surface contact therewith and manually operable means for varying the tension on said brake and its operative effect.

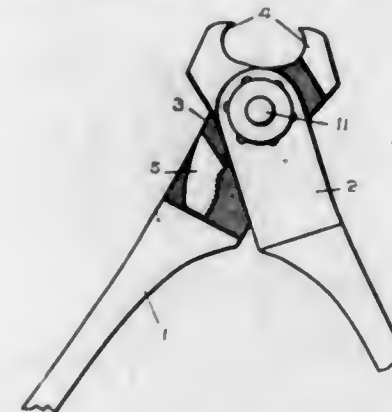
1,514,487. SAFETY DEVICE. HENRY K. WEBSTER, Madisonville, Ky. Filed May 28, 1923. Serial No. 642,079. 1 Claim. (Cl. 187-85.)



A safety device for elevators comprising a cross bar connected with the top of the elevator and engaging the guideways, a second cross bar below the first and engaging the guideways, dogs pivoted to the second

cross bar and having their upper ends extending through the first bar, means for connecting the hoisting cable with the upper ends of the dogs and spring means connecting the upper ends of the dogs together and acting to throw their lower ends into engagement with parts of the elevator shaft if the cable should break and rollers on the first cross bar for acting as stops for limiting the movement of the dogs.

1,514,488. COMBINATION TOOL. HENRY G. WERNIMONT, Omaha, Nebr. Filed June 21, 1922. Serial No. 569,803. 3 Claims. (Cl. 7-3.)



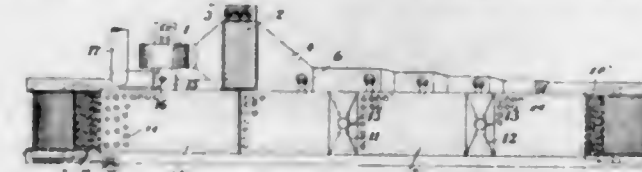
1. A combination tool having a pair of handles, a head composed of two parts disposed between the handles, and a clamping and pivot member extending through the handles and parts of the head, said parts and handles having apertures and pins to fit in the apertures for positioning the parts of the head in different angular relations with the handles.

1,514,489. MILK-BOTTLE CAP. FREDERICK C. WHIPPEY, Chicago, Ill. Filed May 21, 1923. Serial No. 640,328. 3 Claims. (Cl. 215-51.)



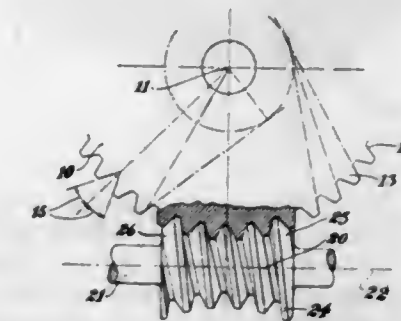
1. A milk bottle cap comprising a body and an extension member for lifting it from the bottle in which it is used, the extension member being so separated by scoring from said body that when the latter is seated in a milk bottle it has a truly circular configuration such scoring being partially parallel to the periphery of said body.

1,514,490. TEXTILE-FIBER-DRYING MACHINE. JOHN FRANCIS WHITE, Bradford, England. Filed Apr. 19, 1922. Serial No. 555,571. 3 Claims. (Cl. 34-12.)



3. A textile fiber drying machine comprising a closed chamber, means to pass fiber to be dried horizontally through said chamber from the bottom progressively to the top, means to pass heated air through said fiber vertically upwards from the bottom to the top, a cooling chamber adjacent to said first chamber, means to pass the fiber from said first chamber to said cooling chamber, means to pass said fiber in said cooling chamber horizontally across the chamber progressively from the top to the bottom and means to pass cool air from the bottom to the top of said chamber through said fiber.

1,514,491. WORM GEARING. ERNEST WILDBABER, Brooklyn, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 21, 1921. Serial No. 446,576. Renewed Apr. 10, 1924. 15 Claims. (Cl. 74-41.)



1. A system of gearing comprising in combination, a worm wheel having plane sided teeth, and a worm generated to intermesh therewith.

1,514,492. WELDING TOOL. HENRY V. WILLE and LOUIS A. REHFUSS, Philadelphia, Pa., assignors to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 13, 1922. Serial No. 528,925. 9 Claims. (Cl. 219-14.)



1. A welding tool having preheating or cutting means; and also having means for feeding metal to the object being welded.

1,514,493. RESONANCE DEVICE FOR PIANOS. JAMES H. WILLIAMS, Baltimore, Md. Filed Mar. 5, 1920. Serial No. 363,429. 12 Claims. (Cl. 84-189.)

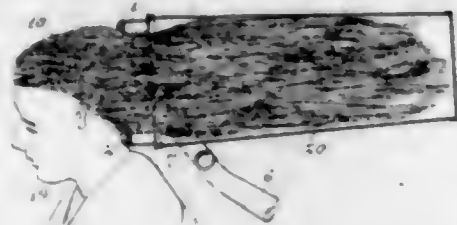


10. A piano having a sound board supporting frame, including marginal and filler or bracing members provided in their corresponding sides with channels extending longitudinally thereof, a sound board resting upon the marginal members and thin walls covering and closing the channels of the filler or bracing members and disposed in spaced relation with the plane of the sound board, the channels in the filler or bracing members being in terminal communication with the channels in the intersecting marginal members.

1,514,494. RUST REMOVER AND PREVENTATIVE. GLEN LENARDO WILLIAMS, Detroit, Mich., assignor to Randall Williams Company, Detroit, Mich., a Corporation of Michigan. Filed May 29, 1922. Serial No. 564,655. 4 Claims. (Cl. 148-8.)

1. A liquid for removing rust and for producing a rust preventative coating, containing sugar factory refuse, aqua regia, and a phosphate of a metal electro-positive to iron.

1,514,495. HAIR DRIER AND COMBER. JOHN WIETH, New York, N. Y. Filed Mar. 25, 1924. Serial No. 701,817. 6 Claims. (Cl. 34-26.)



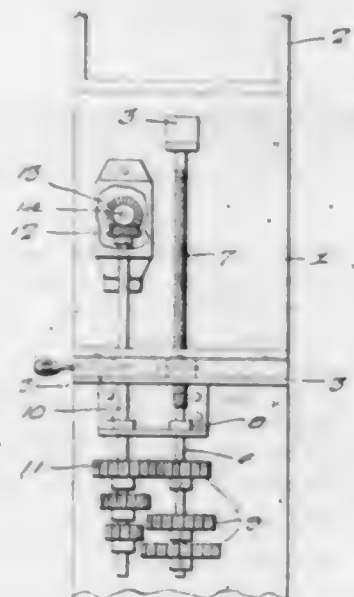
1. A device of the character described, comprising a mask adapted to receive hair to be dried, and teeth in the mask adapted to project into the hair and having rearwardly discharging orifices therein whereby the air is directed longitudinally of the hair and away from the scalp of the patient.

1,514,496. SPARK INTENSIFIER OR SUPERSPARK BUILDER. WILLIAM S. WITTER, Los Angeles, Calif. Filed Feb. 12, 1921. Serial No. 444,557. 19 Claims. (Cl. 250-41.)



10. An electrical condenser including a casing and a contact member disposed therein, a tubular extension projecting from the casing, and a flexible conductor adapted to be coiled up within the tubular extension or to be withdrawn therefrom and connected at its inner end to said contact member, said flexible conductor carrying a plug adapted to be inserted in said tubular extension and hold the flexible conductor coiled up therein.

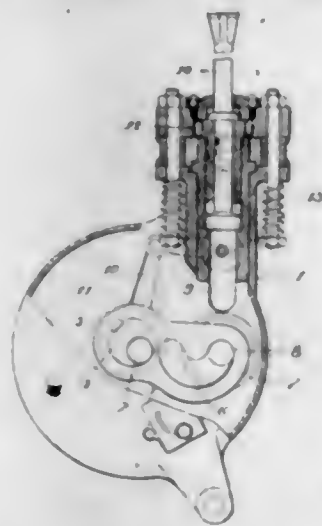
1,514,497. AUTOMATIC SHIFT FOR RECEIVING TABLES. CHARLES A. ZUEHLKE, Brooklyn, N. Y. Filed Feb. 4, 1924. Serial No. 690,675. 1 Claim. (Cl. 74-40.)



A shiftable shelf structure comprising a screw shaft journaled for rotation, a shelf member having an opening through which said shaft passes, a nut of flexible material located in the recess and provided at its opposite sides with threads adapted to engage the thread of the screw shaft, a key carried by the shelf, the opposite side portions of the nut being provided with recesses having cam surfaces, sockets provided in the opposite

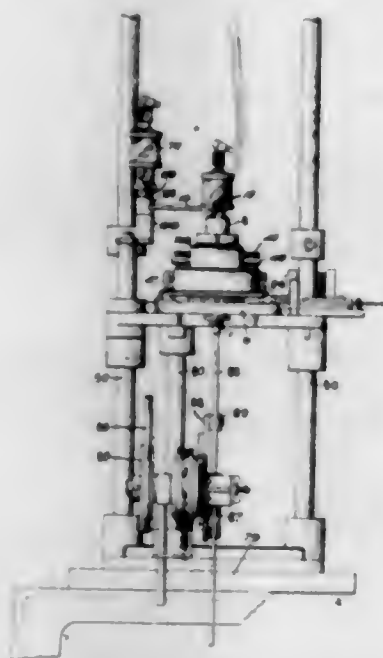
side portions of the nut and located between the recesses thereof, the key being provided with globular heads adapted to move along the cam surfaces of the recesses to spread the opposite sides of the nut and the said heads adapted to enter the sockets to hold the opposite side portions of the nut spread apart.

1,514,498. DRILL-HEAD-HAMMERING DEVICE. YUJI YAMANOUCHI, Kyoto, and KAZUYOSHI HIRABARA, Osaka, Japan. Filed Jan. 17, 1924. Serial No. 680,869. 3 Claims. (Cl. 255-41.)



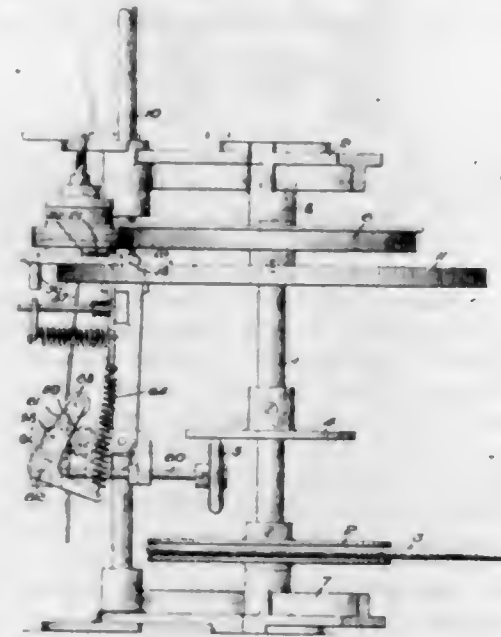
1. In a drill head hammering device, the combination with a substantially cylindrical hammer member having end lugs, of a pair of guide plates having arc-shaped slots radially disposed and arranged to guide said lugs of the hammer member, and a driving shaft for said guide plates.

1,514,499. CIRCULAR-KNITTING MACHINE. ALBERT E. BERDON, Detroit, Mich., assignor, by mesne assignments, to James K. Lanning, Fall River, Mass. Filed Aug. 19, 1921. Serial No. 493,637. 22 Claims. (Cl. 66-21.)



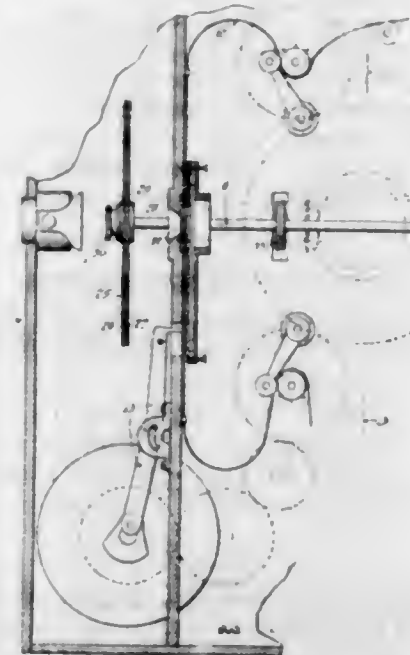
1. A rotary knitting machine having a stationary, rigid needle cylinder of a length exceeding its diameter, needles supported thereby, a prolonged or extended cam cylinder co-axial with the needle cylinder, and cooperating means for rotating the cam cylinder at a high rate of speed, i. e. in excess of 600 R. P. M. without substantial gyration or wobbling, said cooperating means for rotating the cam cylinder including means to apply the driving force to said cam cylinder at a point relatively remote from each end of the said cam cylinder.

1,514,500. CIRCULAR-KNITTING MACHINE. ALBERT E. BERDON, Detroit, Mich., assignor, by mesne assignments, to James K. Lanning, Fall River, Mass. Filed Aug. 19, 1921. Serial No. 493,640. 15 Claims. (Cl. 66-21.)



1. A knitting head, driving means therefor exterior to the knitting head, said knitting head being movable into and out of driving relation with said driving means, and means positively to separate said knitting head from said driving means.

1,514,501. MOTION-PICTURE MECHANISM. LLOYD BROWN, Los Angeles, Calif., assignor, by mesne assignments, to C. B. Hurtt, W. F. Peterson, George Bayne Stephens, and Catherine Bayne Stephens, all of Los Angeles, Calif., and G. A. Stephens, Moline, Ill., trustees. Filed May 13, 1920. Serial No. 381,088. 13 Claims. (Cl. 88-16.4.)

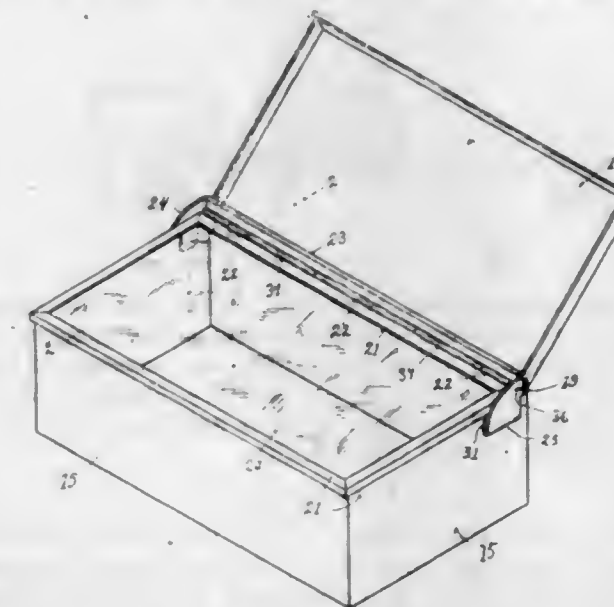


1. In motion picture mechanism, the combination of a structure having a plurality of apertures, means for advancing a film, and a shutter adapted either to uncover more than one of the apertures simultaneously or to uncover several of the apertures alternately.

1,514,502. DISPLAY AND VENDING APPARATUS. EDWARD BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 8, 1923. Serial No. 656,425. 4 Claims. (Cl. 220-82.)

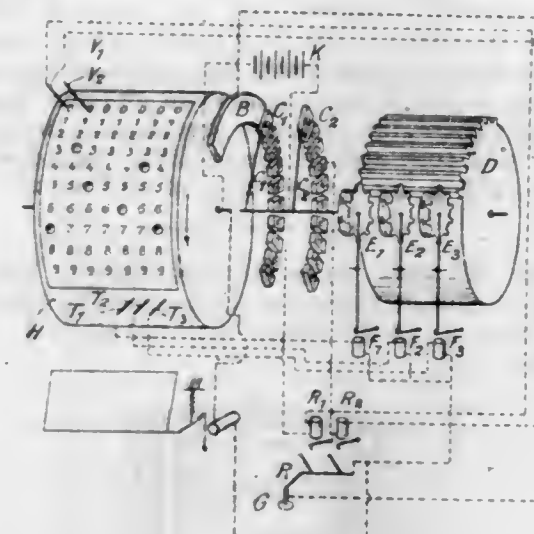
1. In combination with a container having a lid permanently hinged thereto, a transparent lid to be detach-

ably applied to said container for display purposes while the permanent lid is in its open position, a supporting member for said transparent lid comprising a cross-bar extending across in front of the permanent lid, angle plates at opposite ends of said cross-bar each having a plate to exteriorly embrace a side of the container and



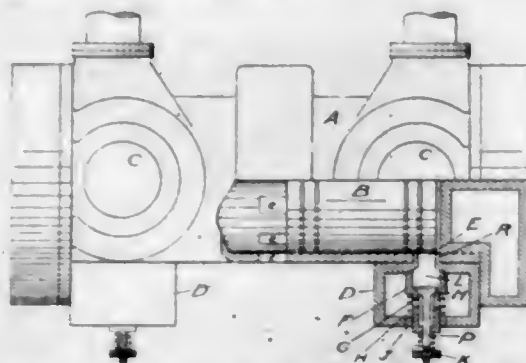
a plate to exteriorly embrace the rear of the container, said side engaging plates being provided with members extending over the top edge of the sides of said container to also engage the inner face of the sides of said container and means to hinge said transparent lid to the front of said cross-bar.

1,514,503. AUTOMATIC REGISTERING MACHINE FOR STATISTICAL AND SIMILAR PURPOSES. FREDRIK ROSING BULL, Christiania, Norway. Filed Feb. 3, 1922. Serial No. 535,996. 2 Claims. (Cl. 235-92.)



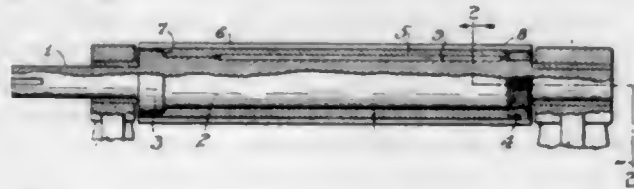
1. A machine for registering statistical and like particulars comprising a movable carrier for cards perforated according to the particulars to be registered, a plurality of brushes resting on said carrier, electrical circuits including said carrier and brushes, an adding mechanism comprising a mutilated toothed wheel having nine teeth moving synchronously with the carrier, a plurality of toothed adding wheels, and an electro-magnet associated with each of said adding wheels and included in said circuits, said electro-magnets being adapted to be energized to bring their respective adding wheels into mesh with the mutilated toothed wheel so as to be rotated through numbers of teeth corresponding to the numbers represented by the perforations in the card through which the carrier and brushes come into contact to complete the circuits of the respective magnets.

1,514,504. STEAM ENGINE. HARRY COHEN, Washington, D. C. Filed Sept. 27, 1921. Serial No. 503,574. 5 Claims. (Cl. 121-125.)



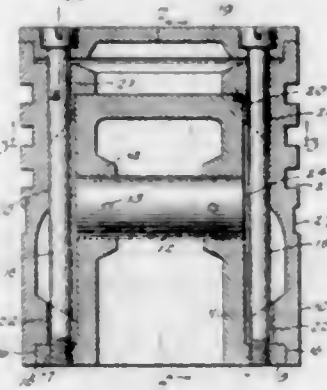
2. The combination with an engine, of an engine cylinder, a clearance chamber adapted for communication therewith, a valve controlling the passage of fluid from said cylinder to said clearance chamber and a valve for controlling the passage of fluid from said clearance chamber to said cylinder.

1,514,505. FEEDER ROLL. HARRY B. CONKLIN, Indianapolis, Ind., assignor to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana. Filed May 9, 1923. Serial No. 637,847. 2 Claims. (Cl. 144-246.)



1. A feed roller comprising a shaft, a feed roller thereon having at one end an integrally formed annular flange and having its opposite end screw threaded, a longitudinally serrated relatively thin walled tube sleeved over said roller and provided at each end with internal annular shoulders, one of which is arranged to engage the flange of the feed roller, and an internally threaded collar screwed upon the threaded end of the feed roller and forming a removable annular flange arranged to engage the opposite shoulder of the tube to maintain said tube against longitudinal displacement on the roller, and a key for keying said tube on the roller.

1,514,506. PISTON. CASS G. COOK, Detroit, Mich., assignor of one-half to Audley N. McNeely, Detroit, Mich. Filed May 9, 1923. Serial No. 637,873. 5 Claims. (Cl. 74-108.)



1. A piston comprising a cylindrical body, an element fitting within said body and having a transverse pin adapted for connection with a connecting rod, said body having interior grooves forming a guideway for movement of said element into or out of position in the body, and a cap on said body at the front end, bolts extending longitudinally through said cap and body, and means on said element at the rear end threaded to be engaged by said bolts for firmly holding the whole solidly together.

1,514,507. DEVICE FOR PREVENTING THE UNAUTHORIZED REMOVAL OF COVERS. ARTHUR DREICHLINGER, Vienna, Austria. Filed Aug. 11, 1924. Serial No. 731,477. 7 Claims. (Cl. 220-55.)



1. A device for preventing the unauthorized removal of the cover for the opening of a container comprising in combination a cup-shaped protective member adapted to be placed over the said cover, and a casing adapted to be partly arranged and held between the container and cover and to embrace in said cup-shaped member and to extend inwardly underneath the cover when the latter is fixed to the container, the said casing being freely rotatable but secured against removal by means of the said cover and provided with a locking member which in the locking position extends across the protective member and is adapted to be locked with the casing.

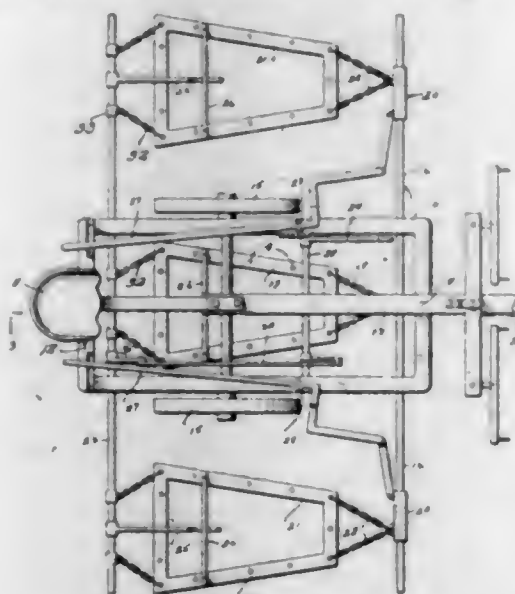
1,514,508. AMORPHOUS PRODUCT AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J. Filed May 9, 1922. Serial No. 559,610. 5 Claims. (Cl. 260-3.)

1. The process which comprises reacting on acetone and formaldehyde in the presence of an alkaline condensing agent to produce soluble amorphous material, washing and drying the material and dissolving in a solvent, adding an alkaline catalyzer, drying and hot pressing for a period sufficient to form a water resistant, infusible, hard strong article.

1,514,509. SYNTHETIC IVORYLIKE PRODUCT AND METHOD OF MAKING SAME. CARLETON ELLIS, Montclair, N. J. Filed May 17, 1922. Serial No. 561,719. 22 Claims. (Cl. 18-55.)

1. The process of making cast articles resembling ivory which comprises reacting on acetone and formaldehyde in the presence of a compatible alkaline activating agent to form a syrup, admixing the syrup with aqueous caustic alkali while cooling the composition, introducing the latter into cold molds and allowing spontaneous reaction to take place to form a cast article.

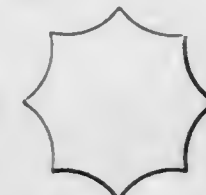
1,514,510. THREE-ROW CRUST BUSTER. GEORGE D. FENTIMAN, Stillwater, Okla. Filed Apr. 4, 1923. Serial No. 629,893. 4 Claims. (Cl. 55-89.)



1. An implement of the character described comprising a main frame, a transverse bar connected thereto, a medially disposed harrow frame flexibly connected to the

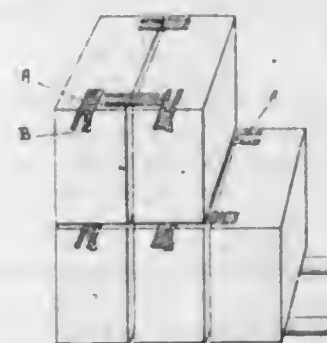
bar and disposed within the main frame, lateral harrow frames flexibly connected to said bar disposed exterior to the main frame, means for adjusting the two outside harrow frames toward or from the main frame comprising independently operable levers mounted upon the main frame, and operative connections between each lever and the corresponding forward end of the lateral harrow frame.

1,514,511. SOUND TRANSMITTING AND RECEIVING DIAPHRAGM. HERMANN FISCHER, New York, N. Y. Filed July 15, 1922. Serial No. 575,246. 1 Claim. (Cl. 181-32.)



A sound diaphragm, comprising a member having a substantially flat surface, supporting means for clamping said diaphragm at a plurality of points of support spaced about the periphery thereof, all within the same circular line, said surface having substantially segmentally shaped portions cut away between said points of support, the edges of said diaphragm being curved inwardly from said points, whereby said edges operate to freely vibrate between said points of support when said diaphragm is placed in a state of vibration.

1,514,512. MEANS FOR USE IN STACKING CASES. ARTHUR JAMES FISHER, Port Adelaide, South Australia, Australia, assignor to South Australian Stevedoring Company, Limited, Port Adelaide, Australia. Filed Sept. 6, 1923. Serial No. 661,335. 3 Claims. (Cl. 16-1.)



1. A device for use in stacking cases of fruit or other produce comprising two members or arms set approximately at right angles the one to the other the one member being adapted to rest upon a comparatively small part of the top of one or more cases and the other member being adapted to hang between the sides or ends of adjacent cases, substantially as described.

1,514,513. WINDOW-SASH-WEIGHT BOX. FRANK F. FLEMMING, Minneapolis, Minn. Filed Apr. 10, 1924. Serial No. 705,615. 3 Claims. (Cl. 20-11.)



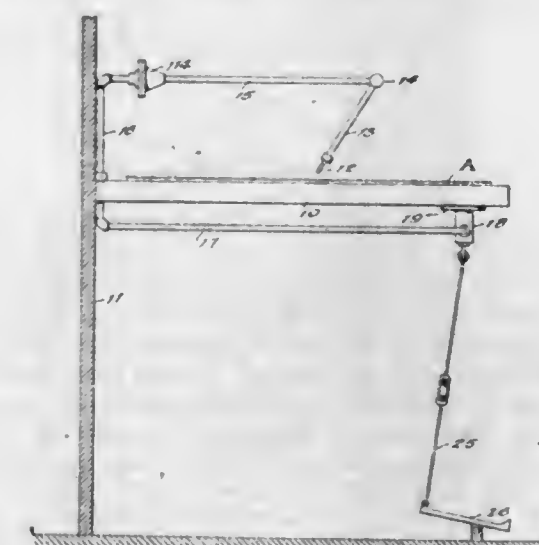
1. A window having a sash weight box and weights suspended therein, a suitable non-conducting packing interposed in said box between the weights and the outside wall of the box, and a guard separating the weights from the packing.

1,514,514. GAS WATER HEATER. ALFRED J. FRASER, El Paso, Tex. Filed June 13, 1923. Serial No. 645,164. 11 Claims. (Cl. 122-16.)



11. A water heater comprising a boiler the ends of which are provided with openings at the center thereof, a drum located in the boiler and having spool-shaped heads the outer disks of which occupy the aforesaid openings in the ends of the boiler, a flange projecting laterally from the lower end of the drum at the inner disk of the head to provide an annular chamber immediately above the bottom of the boiler, water circulating pipes extending through the drum and inner disks of the heads thereof to connect said annular chamber with the upper end portion of the boiler, fire tubes extending through the water circulating pipes beyond the same and through the outer disks of the spool-shaped heads of the drum, a vent-pipe at the upper end of the drum, and a flue-cap covering the outer ends of the supplemental flue-pipes, the latter having openings into said flue-cap.

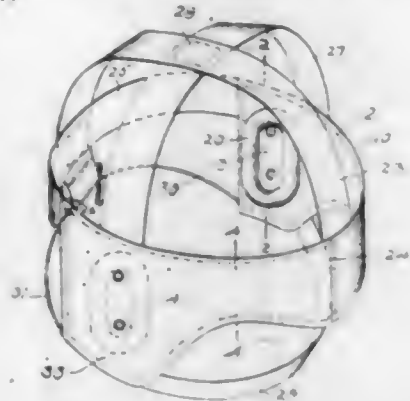
1,514,515. AIR-BLOWING DEVICE FOR FUR-CUTTERS' USE. ADOLPH GOLDSNYDER and SAMUEL GOLDSTEIN, New York, N. Y. Filed Apr. 23, 1923. Serial No. 634,193. 4 Claims. (Cl. 299-73.)



3. A blowing device for furriers' use comprising a table on which a piece of fur may be spread, an air pipe beneath said table and extending from near the front edge thereof to near the rear edge, a pipe member communicating with said first pipe and rising above the plane of the table top, a pipe disposed over said table and capable of universal swinging movement, said last-mentioned pipe communicating with said pipe member, an air nozzle on the last-mentioned pipe, valve-controlled air supply means

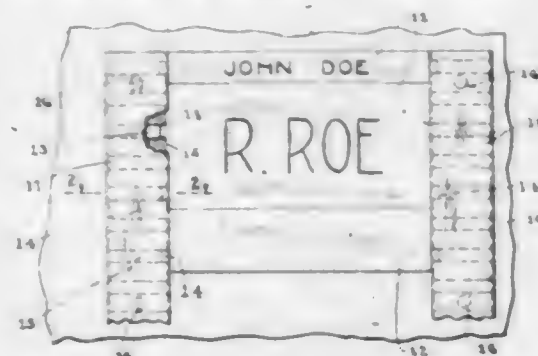
communicating with the first-mentioned pipe to direct air thereto, a pedal beneath the front portion of the table and a connection between said pedal and the valve means.

1,514,516. PROTECTOR FOR BOXERS. MORRIS GOLOMB, New York, N. Y. Continuation of application Serial No. 449,964 filed Mar. 5, 1921. This application filed Dec. 8, 1922. Serial No. 605,642. 1 Claim. (Cl. 2-9.)



In a protector for boxers, a band to cover that portion of the forehead immediately above the eyebrows and extended rearwardly and downwardly to overlie the ears, a dish-shaped plate secured to each of said ear-overlying portions, a strip formed as a hollow casing of a shape corresponding to the edge outline of the plate, the edges of said strip being secured by stitches extending through holes formed in the edge of the plate, and a resilient filling in such hollow casing, the casing and filling forming an independent cushion surrounding the edge of the plate and wholly projecting inwardly of the inner surface of the band.

1,514,517. TABLET HOLDER OR DIRECTORY. JAY G. HAMILTON, Chicago, Ill. Filed Aug. 7, 1922. Serial No. 580,183. 4 Claims. (Cl. 40-63.)

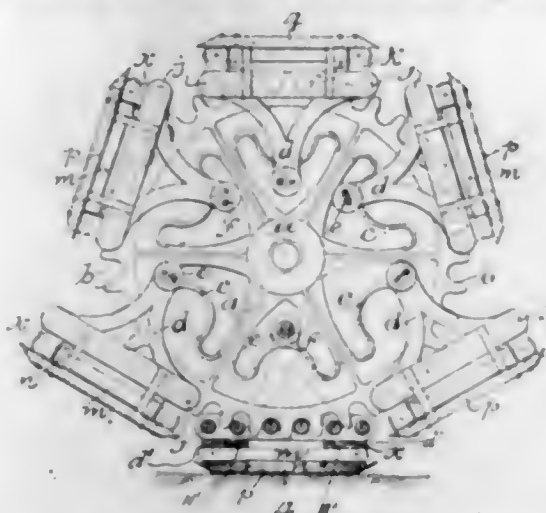


1. In a device of the class described, a pair of fixed holding members secured in spaced parallel relation to a wall or the like, said holding members being formed with a plurality of equally spaced transverse grooves and opposite longitudinal grooves, a plurality of flexible metal tablets having delineated thereon certain data, said metal tablets being provided with longitudinally extending tongues on their ends to enter said transverse grooves, the side edge portions of the opposite ends of the tablets entering the longitudinal grooves, said metal tablets capable of being flexed to facilitate the insertion of said tongues and end side edges into said longitudinal and transverse grooves.

1,514,518. MULTIPEDAL TRACTOR WHEEL. CHARLES RAMSAY HANSON, Jarrah-Up, Western Australia, Australia. Filed Nov. 16, 1922. Serial No. 601,340. 2 Claims. (Cl. 305-6.)

1. A wheel having radially projecting peripheral teeth and a plurality of openings with arcuate walls forming tracks in the body thereof, a plurality of frames opera-

tively associated with the tracks, the lower portion of each frame being provided with a series of transverse bars which form a rack for engagement with the teeth of the wheel, each frame also having end lugs, a shoe movably applied to the lower portion of each frame and having a base plate with hinge lugs rising therefrom and



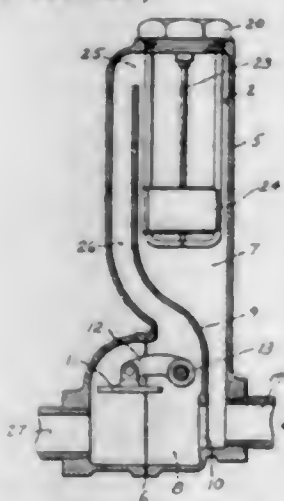
provided with opposite vertical guards to cooperate with the adjacent side portions of the frame, the shoe also having a lower track plate rigidly secured thereto, and a single hinge bar extending longitudinally through the lugs of the frame and base plate of the shoe to permit lateral movement of the latter to conform to inclinations and other irregularities in the ground surface.

1,514,519. PEN. WILLIAM M. HARRIS, Evanston, Wyo. Filed Apr. 14, 1922. Serial No. 552,620. 2 Claims. (Cl. 120-43.)



1. A pen of the class described comprising a body having a projecting part, a head removably carried by the body and having a chamber therein which is covered by the projecting part, a pad in the chamber for receiving ink or the like and a roller carried by the head and having a portion engaging the pad for conveying the ink thereon to the surface to be written upon.

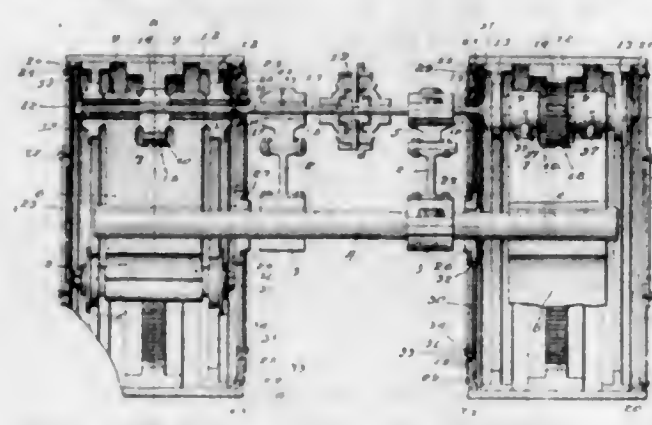
1,514,520. COMBINED GAUGE AND OUTLET. GEORGE EDGAR HAZARD and HARRY F. ROE, Rochester, N. Y. Filed Feb. 2, 1922. Serial No. 533,679. 2 Claims. (Cl. 137-21.)



2. A combined gauge and outlet comprising: an integral, elongated, upright hollow body divided, by an upright integral interior partition, into a relatively wide passage and a relatively narrow passage, the

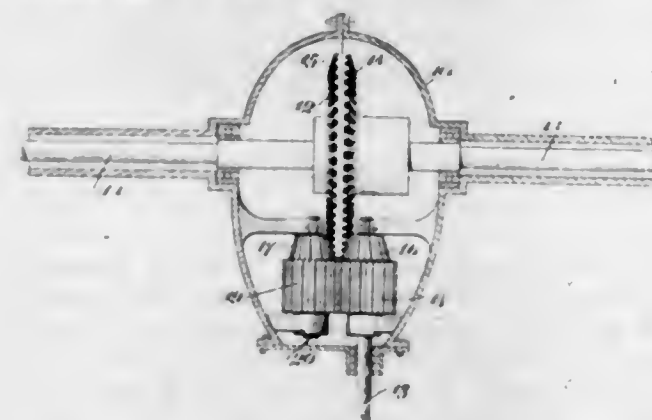
partition having openings to provide communication between said passages at both top and bottom, and the body having a discharge-opening at the lower end of the relatively narrow passage, an inlet-opening at the lower end of the relatively wide passage, and an opening at the upper end of said wide passage; a depth-gauge working in said wide passage and mounted in the last-mentioned opening; and a valve for closing the lower opening in the partition.

1,514,521. TRACTOR. FRANK HICKOK, Carthage, Mo. Filed May 11, 1921. Serial No. 468,482. 3 Claims. (Cl. 180-10.)



1. In a tractor, the combination with the frame of the vehicle, of a non-rotating axle rigidly supported thereby, non-rotating frames secured to the axle near its ends, each frame having a plurality of radiating arms spaced apart from each other, relatively broad traction rims surrounding the said frames and concentric with the axle, rollers supported by the arms of the said frames and engaging interiorly with the traction rims to support and maintain them in place, driving shafts supported by the frame of the vehicle and also by the non-rotating frames within the rims, and gearing between the said driving shafts and traction rims by which the latter are turned the radiating arms and rollers which they support being disposed so the rollers take and distribute the thrusts and reactions incident to the driving engagement of the gearing with the traction rims.

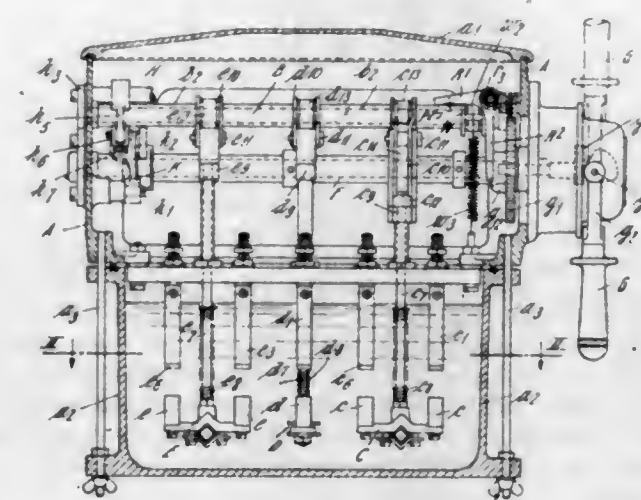
1,514,522. DRIVING CONNECTION. HENRY JOSEPH HUMES, Alton, Ill. Filed Mar. 12, 1924. Serial No. 698,716. 1 Claim. (Cl. 74-7.)



A driving gear of the character described including a differential ring gear having teeth at its opposite sides, a propeller shaft, a driving pinion on said shaft engaging the teeth at one side of the ring gear, a second pinion engaging the teeth at the opposite side of the ring gear, intermeshing spur gears each formed integral with one of said pinions, a shaft on which the second pinion and its integral gear are mounted in parallel axial relation to the propeller shaft pinion and its gear, and bearings in which the said shafts are journaled beyond the ends of the pinions and gears and

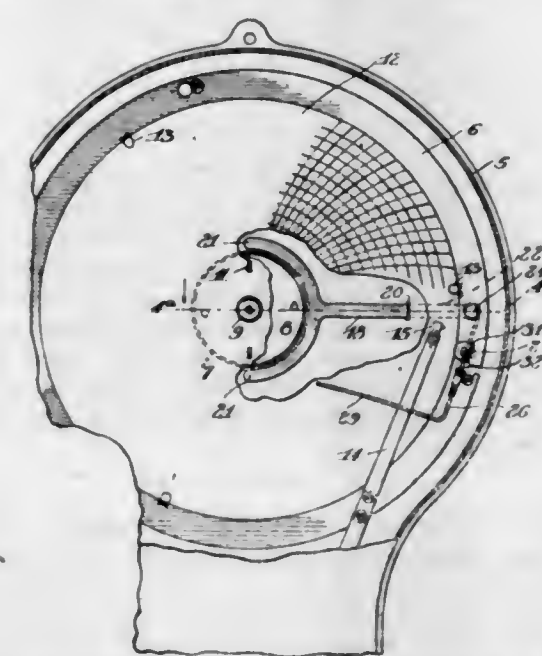
between which bearings the latter are confined, the said teeth at opposite sides of the ring gear being staggered with respect to one another and the said pinions being relatively arranged to coact with the staggered relation of the ring gear teeth as described.

1,514,523. ELECTRIC-MOTOR STARTER. JOHN ARTHUR HIRST, Chester, England. Filed Aug. 8, 1924. Serial No. 730,981. 15 Claims. (Cl. 172-179.)



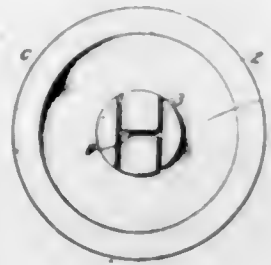
1. In an electric motor starter in combination;—a motor, a circuit breaker; an overload device adapted when operated by excess current to effect the opening of the circuit breaker; connection changing switches; a shaft adapted when rotary movement is imparted to it to close the circuit breaker and to operate the connection changing switches in succession; means which when in operative position reduce the sensitiveness of the overload device; and means carried by the operating shaft, adapted when the latter has moved through the angle necessary to effect the closing of the circuit breaker and the operation of the connection changing switches to make possible the running of the motor, to move the sensitiveness reducing means into inoperative position.

1,514,524. RECORDING INSTRUMENT. EDWIN HODGKINSON, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Oct. 18, 1922. Serial No. 595,422. 12 Claims. (Cl. 234-1.)



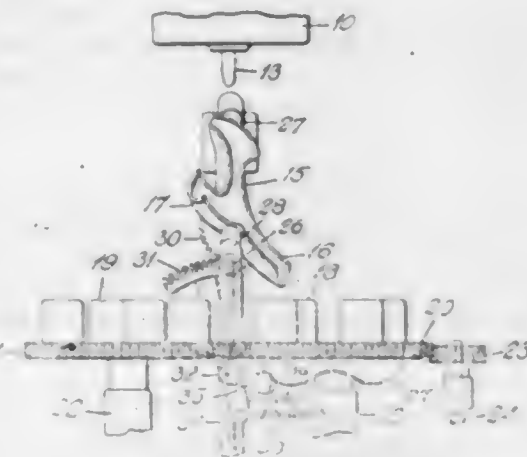
1. A recording instrument comprising a chart holding means and a device movably carried by the instrument for stripping a chart from said holding means.

1,514,525. PRECISION GAUGE. WILLIAM E. HOKK, St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 9, 1919. Serial No. 288,788. 11 Claims. (Cl. 34-168.)



6. A gauge block provided with opposite parallel flat end gaging faces at a predetermined distance apart, the block having a portion of one end reduced below the gaging face thereof and having a central hole perpendicular to the parallel faces and countersunk to provide an abutment between the said faces, the said abutment being adapted to be engaged by a suitable connecting means extending into the hole whereby the block may be connected in face to face contact with one or more similar blocks.

1,514,526. GLASS-DELIVERING APPARATUS. WILLIAM H. HONISS, Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y., a Corporation of New York. Filed Nov. 10, 1921. Serial No. 514,179. 20 Claims. (Cl. 49-5.)

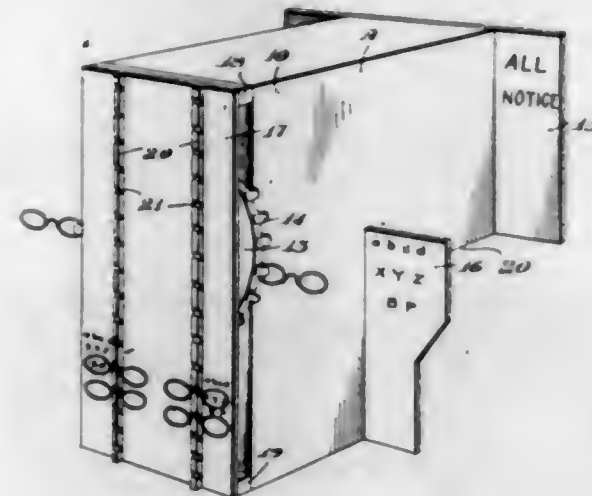


20. Apparatus for handling molten glass, comprising a feeder, a Y-shaped delivery trough mounted to receive the glass on the stem of the Y and having its fork inclined downwardly, a pivotal mounting for the trough having its axis approximately coincident with the receiving portion of the trough, means for positioning the molds alternately on each side of said axis, and means for rocking the trough on its axis to lower the forks alternately in time with the positioning of the molds.

1,514,527. DISPLAY DEVICE. CLARENCE STEPHEN HULETT, Edmonton, Alberta, Canada. Filed July 30, 1921. Serial No. 488,651. 1 Claim. (Cl. 88-22.)

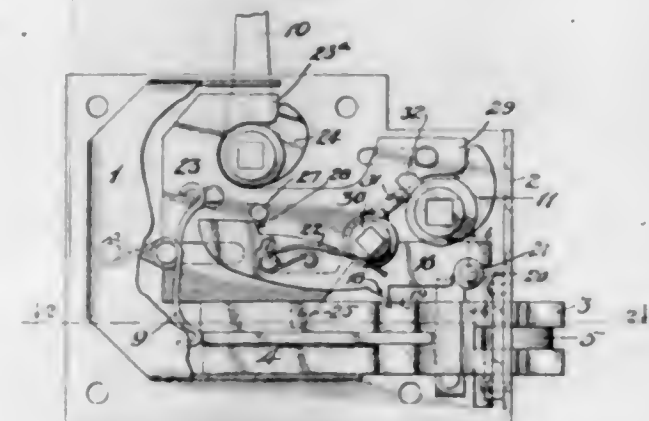
A display device comprising a boxing, wings extending on the sides thereof in parallel and staggered relation to each other, letters of different sizes being imprinted on the wings, a shaft in the boxing extending in front thereof, a disc in front of the casing keyed to the shaft, resilient clips on the periphery of the disc

designed to engage glasses, a board spaced from the boxing mounted in front of the disc, writing of different sizes on the board, means on the board to retain glasses



in front of the writing, and means connected to the shaft to rotate the disc so as to cause the glasses to successively pass in front of the several spaced wings.

1,514,528. DOOR LOCK. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 18, 1922. Serial No. 544,845. Renewed Sept. 11, 1924. 3 Claims. (Cl. 292-192.)

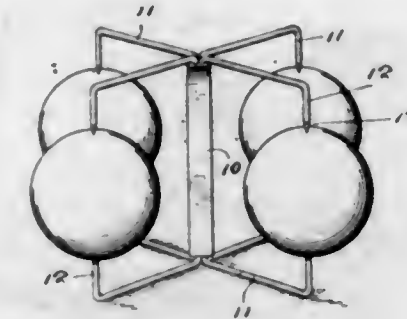


1. A lock comprising, a case, a spring projected reciprocating latch bolt mounted therein and including a head portion adapted to project from said case, with means operating to impart a bodily lateral movement to the outer end of said bolt on the last part of its outward reciprocating movement and the first part of its rearward reciprocating movement, a dogging device for locking said latch in its projected position against unintentional repression, with manually operable means for casting off said dogging device and retracting said latch.

1,514,529. GOLF-BALL HOLDER. JOHN WHITE JOHNSTON, Rochester, N. Y. Filed Apr. 4, 1923. Serial No. 629,839. 1 Claim. (Cl. 91-60.)

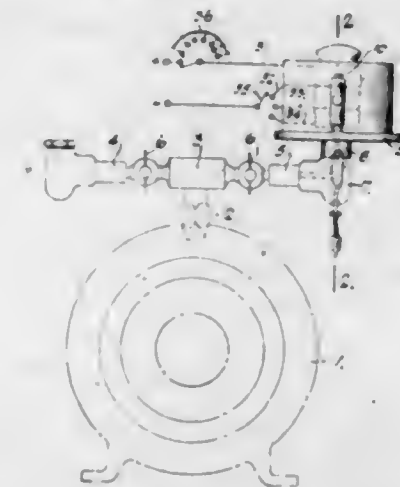
A device of the character described comprising a hollow central support, closure members in the ends

thereof, and pairs of arms having right angular extensions at their ends engaged within said closure members;



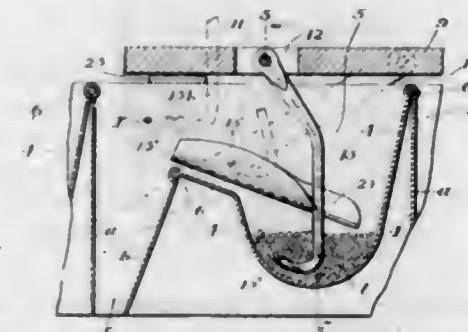
said arms radiating from the support and terminating in extensions directed toward each other for engagement with diametrically opposite points of balls.

1,514,530. METHOD AND APPARATUS FOR CASTING. LEONARD JOHN KEMP, Queenstown, Cape Province, South Africa. Filed Aug. 21, 1922. Serial No. 583,279. 6 Claims. (Cl. 22-73.)



1. In casting apparatus, the combination of a vertical furnace, a base plate for said furnace completely separate therefrom, clamping means for securing said furnace to said base plate, a mould ring, a support therefor, arms on said mould ring, means for applying pressure through said arms to push said mould ring on to its support, and a conduit, through said support, connecting the bottom of said mould to a vacuum tank, whereby air may be withdrawn from the mould as the molten metal flows therein.

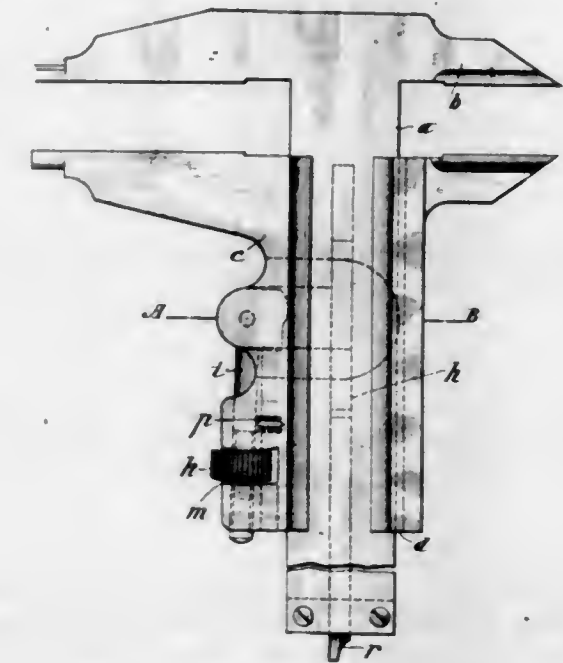
1,514,531. PLANTER. EDWARD P. KENDALL, Bowdoinham, Me. Filed Nov. 8, 1923. Serial No. 673,591. 3 Claims. (Cl. 221-118.)



1. In a planter, consisting of a box, a seed receptacle within said box, a reciprocable seed-culling finger carrier, a seed-culling finger pivotally attached thereto, with its free end adapted to swing from said pivot, a discharge

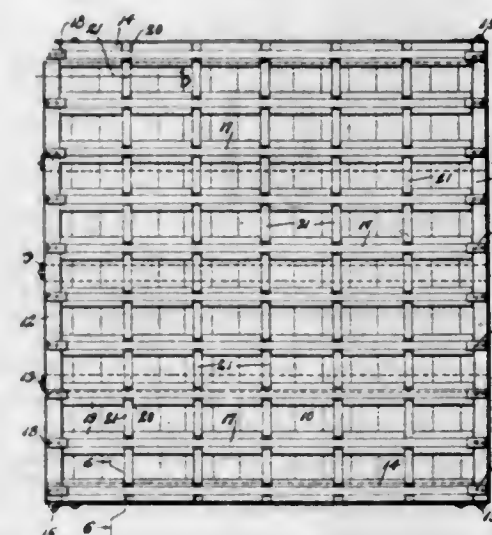
chute contiguous to said receptacle, means for actuating said carrier and means for dislodging a seed from said seed-culling finger directly into said discharge chute.

1,514,532. CALIPERS. KARL KISSENDORFER, Oberndorf-on-the-Neckar, Germany. Filed Nov. 20, 1923. Serial No. 675,855. 8 Claims. (Cl. 33-165.)



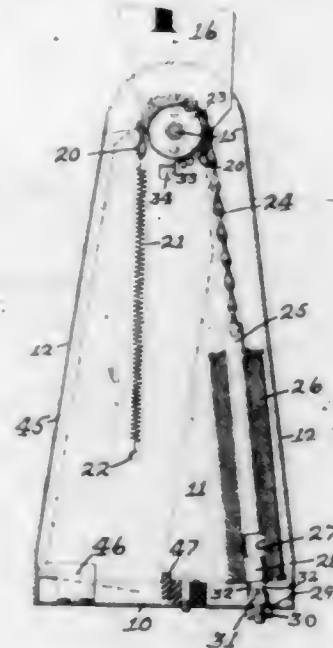
1. A beam caliper, comprising a beam; a fixed jaw thereon; a second jaw movable along said beam and having a slot; a pivotally-mounted micrometer screw; an adjusting nut on the screw movable with the same into said slot to couple the screw to the movable jaw; and means to which said screw is pivoted for jamming the latter on the beam independently of the movable jaw.

1,514,533. MOLDING FORM. CLAIRE KITCHEN and GROVER C. KITCHEN, Santa Cruz, Calif. Filed Dec. 18, 1923. Serial No. 681,442. 5 Claims. (Cl. 25-121.)



3. In a brick forming mold, a platform, side walls retained thereon, parallel bars provided upon opposing faces with expansion blocks and freely movable toward and from each other upon said platform, removable partitions disposed between the adjacent ends of said blocks, and plates secured to the side walls and overlapping the ends of the parallel bars to prevent withdrawing movement thereof.

1,514,534. AUTOMOBILE SIGNAL. STEVEN KOBZY, Chicago, Ill., assignor to Chicago Die & Specialty Company, a Corporation of Illinois. Filed Jan. 5, 1920. Serial No. 349,428. Renewed Aug. 25, 1921. 2 Claims. (Cl. 177-329.)



1. A casing for automobile signals provided with a sheet metal base having inclined lands formed therein; and upstanding inclined studs arranged on said lands perpendicularly thereto and secured in position by securing means passing through said lands, substantially as described.

1,514,535. THERMOMETER. JOE KOVA, Coupland, Tex. Filed Jan. 12, 1922. Serial No. 528,758. 2 Claims. (Cl. 73-52.)

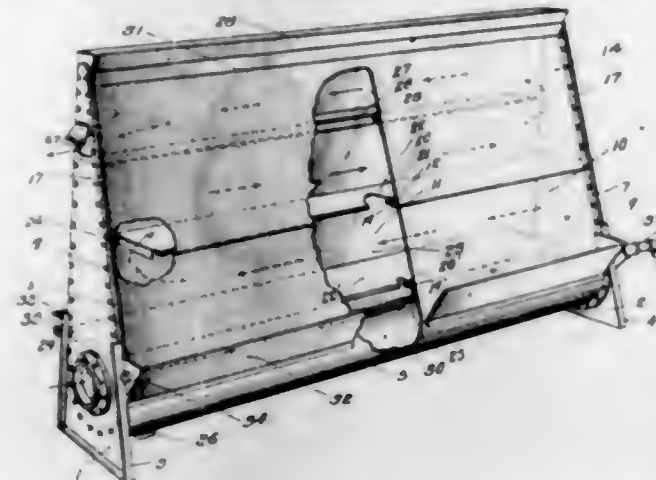


1. A thermometer comprising a frame, a stem secured to the frame and provided with a bulb at its lower end and a chamber enclosing the lower end of the frame and bulb of the stem, said chamber having side walls formed of a plurality of layers of material and end walls secured to the several layers, one end wall being secured to the said frame and the other provided with an opening.

1,514,536. CONDENSER. ANDREW A. KRAMER, Kansas City, and CHARLES E. CHAPMAN, Independence, Mo.; said Chapman assignor to said Kramer. Filed Apr. 26, 1922. Serial No. 556,564. 3 Claims. (Cl. 257-35.)

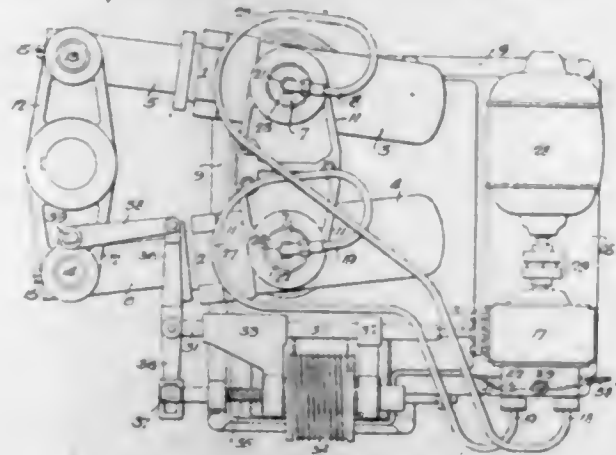
1. A surface condenser comprising end plates, a plate bent to form a bottom and side walls and having its edges attached to said end plates to cooperate therewith in forming a lower collecting chamber and an upper flow chamber, the upper edges of the side walls being

turned inwardly to form shelves, supplemental side plates, having their lower edges turned inwardly and resting on said shelves and having their edges secured to



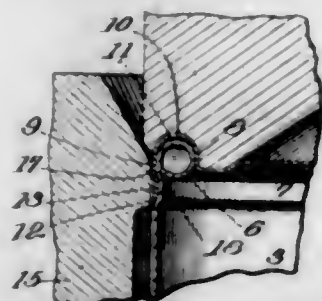
said end plates, means for delivering fluid to the collecting chamber, means for delivering fluid from the collecting chamber, and means for delivering fluid over the outer faces of said side walls in thin streams.

1,514,537. ELECTROHYDRAULIC STEERING GEAR. PERCY ELMER KRIEBEL, Atlantic City, N. J., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1924. Serial No. 706,710. 17 Claims. (Cl. 138-23.)



1. A steering mechanism including a hydraulic motor, one element of which is swiveled.

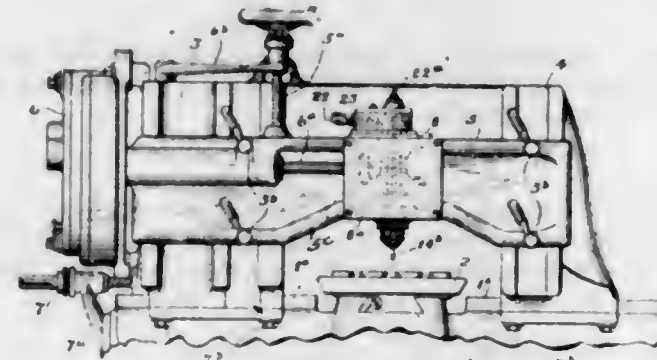
1,514,538. PROCESS OF CLOSING RECEPTACLES. ALFRED L. KRONQUEST, Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 9, 1921. Serial No. 490,894. 2 Claims. (Cl. 113-116.)



1. The process of closing cans consisting of providing an open top cylindrical can body, rolling the upper edge thereof inwardly to form a strengthened head therefor, said can body having a substantially vertical wall immediately below the head before the attachment of the cover thereto forming a cover with a depressed central portion, and a depending flange, providing a U-shaped

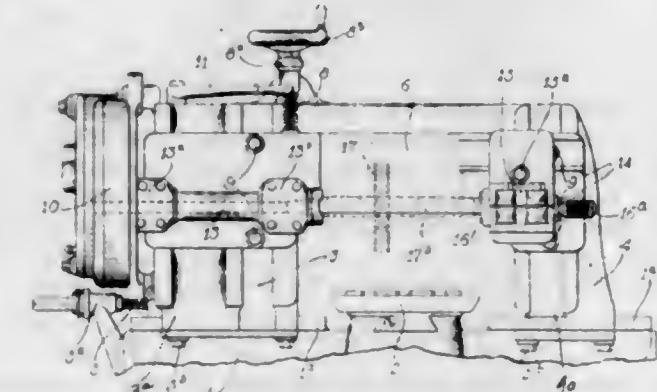
pocket adapted to receive the head on the upper edge of the can body, placing the cover on the can body, pressing the same on the can body and while so pressed on the can body bending the flange of the cover so as to cause the same to indent or contract the can body along a line substantially parallel with and below the strengthened head for drawing the cover on to the can body and holding the same firmly secured thereto.

1,514,539. VERTICAL-SPINDLE MILLING MACHINE. JERRY J. LA DUCER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 29, 1920. Serial No. 377,725. 27 Claims. (Cl. 90-16.)



1. In a milling machine, the combination of a base having horizontal ways thereon, a work table mounted between the ways, an upright mounted on each way, the uprights being permanently connected together and adapted to be adjusted on the ways, clamping means for securing the uprights in adjusted position, a spindle mounted vertically on the uprights over the table, and means for driving the spindle.

1,514,540. MILLING MACHINE. JERRY J. LA DUCER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 13, 1920. Serial No. 409,884. 38 Claims. (Cl. 90-16.)

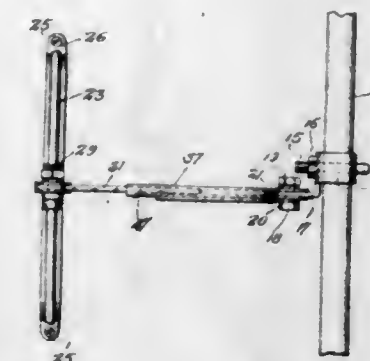


1. In a milling machine, the combination of a base having horizontal ways thereon, a work table mounted between the ways, an upright mounted on each way, the uprights being rigidly connected together, unitary means for adjusting the uprights as a unit on the ways transversely of the table, means on the uprights for rotatably supporting a milling cutter over the table, and means for driving the cutter.

1,514,541. GLARESHIELD FOR AUTOMOBILES. GEORGE L. LAMB, Nappanee, Ind. Filed Sept. 12, 1923. Serial No. 602,345. 2 Claims. (Cl. 296-97.)

1. A glare shield for vehicles comprising a support on the vehicle, a channel member pivoting frictionally about said support, a dog also pivoting frictionally about said support and being arranged within the channel member

but spaced from the base of the channel member, a bar slidable within the channel member and against the base thereof and provided with transverse spaced notches on



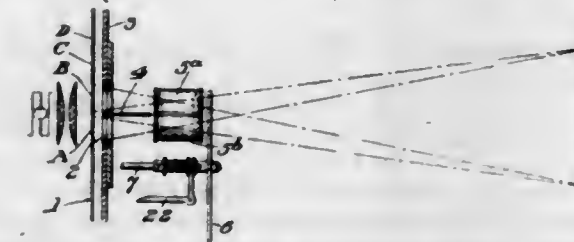
the side thereof opposite the base for receiving said dog, the end of said notched bar being bevelled and said dog having a flared outer end.

1,514,542. PIPE WRENCH. THOMAS L. LANDERS, Anderson, S. C. Filed Jan. 10, 1924. Serial No. 685,412. 2 Claims. (Cl. 81-69.)



1. A pipe wrench comprising a handle having a centrally disposed lug at one end and reversely inclined stop shoulders at the base of the lug, and having the portion adjacent the lug widened and provided with an L-shaped slot, a jaw pivoted intermediate its ends to the said lug, and a flexible work-gripping member pivoted at one end to an end of the jaw and having lateral extensions at intervals in its length and adapted to adjustably engage the slot of the handle.

1,514,543. STEREOSCOPIC PROJECTION. GEORGE LANE and JOHN E. PATTERSON, Poughkeepsie, N. Y. Filed July 24, 1922. Serial No. 577,189. 4 Claims. (Cl. 88-16.6.)

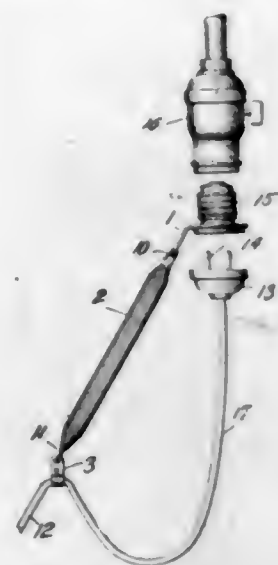


1. A method of producing a stereoscopic effect in moving pictures which includes the step of projecting through color screens successively photographed, horizontally differentiated, vertically adjacent stereoscopic pictures of black and white color values, from a film simultaneously on the same screen area, and viewing said pictures through color screens.

1,514,544. AUTOMATIC CORD ADJUSTER. ARTHUR J. LANG, New York, N. Y. Filed May 12, 1921. Serial No. 468,908. 4 Claims. (Cl. 173-367.)

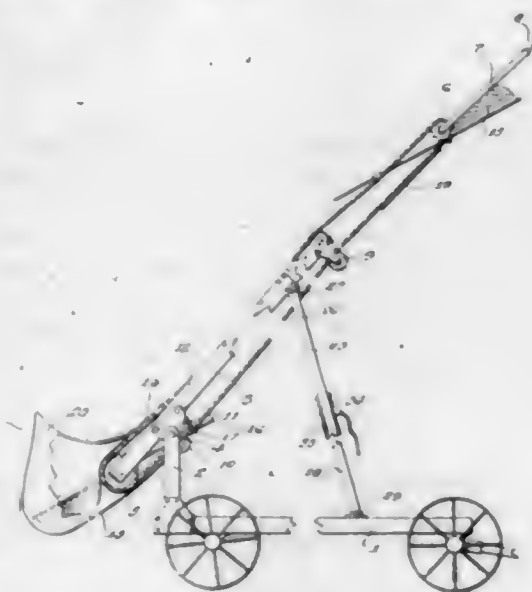
1. In combination with a conducting cord, a snap or slip fit plug attached thereto and a screw plug remov-

ably receiving the snap plug, of means for taking up or adjusting for the slack in the cord effective for permitting extension and recession of the same, the said means



comprising an expansible and contractable element connecting an intermediate point of the cord to the screw plug.

1,514,545. ELEVATOR. SANDER LANKHEET, Hamilton, Mich. Filed July 7, 1922. Serial No. 573,344. 5 Claims. (Cl. 198-179.)

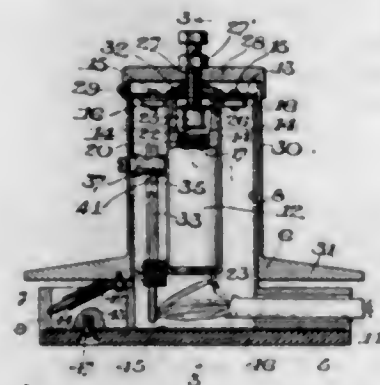


1. In an elevator, an endless conveyor, a plurality of article carrying members pivotally connected to said conveyor intermediate their ends, said carrying members including relatively long leg portions, means connecting said leg portion with said endless conveyor to move said carrying members into article receiving position at the lower end of the conveyor, and to move the carrying members into article gripping position with relation to the conveyor during their upward travel, said carrying members adapted to release an article or articles upon reaching the upper terminal of the conveyor, and supporting members by said conveyor, said carrying members adapted to clamp material being elevated against said supporting members during upward travel of the carrying members.

1,514,546. MOTOR CONTROLLER. ROYAL LEE, Milwaukee, Wis. Filed Sept. 14, 1923. Serial No. 662,710. 7 Claims. (Cl. 172-179.)

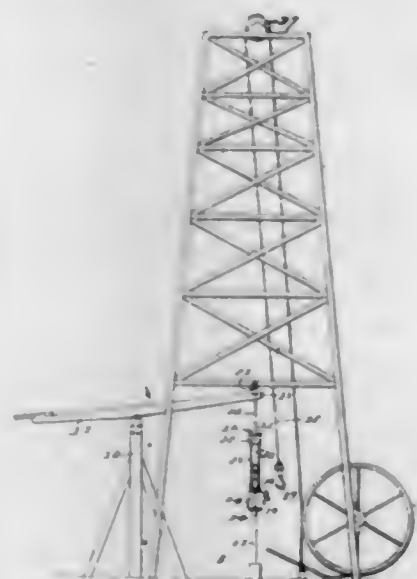
1. In a motor controller, the combination with a rheostat, of motor-reversing switch mechanism, and a single foot-operated actuator having two movements, one a ro-

tary movement about a vertical axis to control said switch mechanism and the other a vertical movement along said axis to control said rheostat, said actuator



having a peripheral foot-engaging portion, whereby such movements are effected by manipulation at any point of said peripheral portion.

1,514,547. WELL-DRILLING DEVICE. HAWLEY B. LEFLER, Grand Bayou, La., assignor of one-half to De France Russell, Grand Bayou, La. Filed July 10, 1923. Serial No. 650,683. 4 Claims. (Cl. 294-86.)



1. A pulling device for well drilling mechanism having a clamp for engagement with the well tubing, a guide carried by said clamp, and means carried by the puller rod of the drill mechanism for traversing said guide and having a limited movement thereon in a path parallel with the movement of the puller rod, and also having means for engagement by hoisting mechanism.

1,514,548. POROUS IMPREGNATED FABRIC. ERNEST LIONNE, Needham Heights, Mass. Filed Sept. 10, 1921. Serial No. 499,821. 5 Claims. (Cl. 91-68.)



1. A new article of manufacture comprising a fibrous porous body having a soluble colloid in a filmy and coherent state contained between and on and adherently united with the fibres of said body while substantially preserving the porosity of said fibrous porous body.

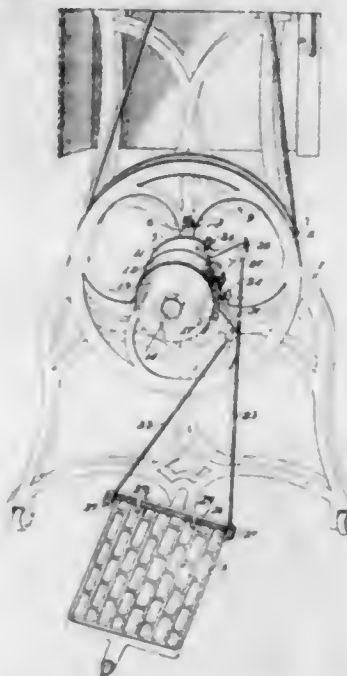
4. As a new article of manufacture, a fabric having a colloidal substance contained in and adherently united with the fabric and which is in the fabric in a filmy coherent porous state.

1,514,549. SOLDERING IRON. ARCHIBALD LLANO, Brooklyn, N. Y., assignor to Frank Henderson, New York, N. Y. Filed July 26, 1924. Serial No. 728,320. 5 Claims. (Cl. 219-26.)



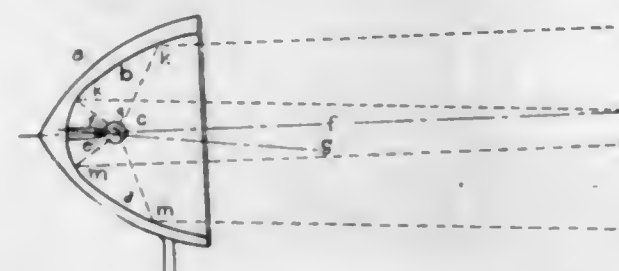
3. A method of soldering by charging with one polarity the work to be soldered, generating a soldering heat by juxtaposition of the other pole of a source of low potential to form an arc, and bringing solder into contact with the work within the heated zone at a distance from said arc, substantially as set forth.

1,514,550. DRIVE MECHANISM. OSCAR LONDBERG, Skaneateles, Mich. Filed Feb. 27, 1923. Serial No. 621,548. 3 Claims. (Cl. 74-53.)



3. In a power transmission, a rotatable member of circular cross sectional contour, a pair of juxtaposed rings rotatably mounted on said first named rotatable member, each of said rings having an aperture formed through the peripheral walls thereof, a rocker lever pivoted on each ring and having a portion adapted to be swung through the aperture of the ring into and out of frictional engagement with the peripheral wall of the first named rotatable member, an adjusting screw carried by each rocker lever for engaging the ring with which the lever is associated, and motion transmitting means for connecting the respective levers with opposite sides of a treadle.

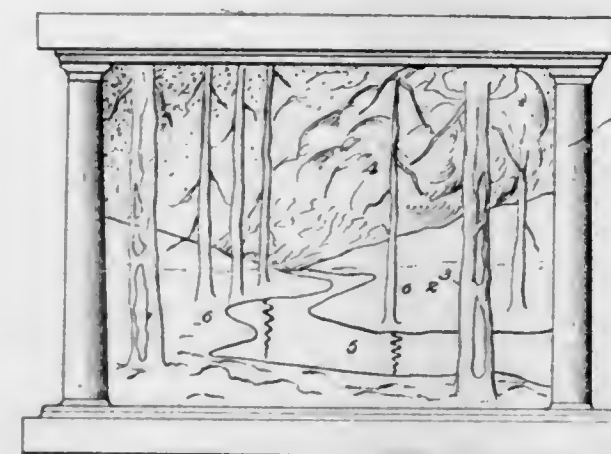
1,514,551. REFLECTOR FOR USE IN HEADLIGHTS. FREDERICK W. LYLE, Lynn, and JAMES N. TUTTLE, Boston, Mass., assignors to Beacon Accessories Corporation, a Corporation of Massachusetts. Filed Aug. 15, 1916. Serial No. 115,009. 4 Claims. (Cl. 240-41.)



1. In light projection apparatus for projecting a concentrated beam of light horizontally without producing appreciable upward glare, the combination of a light source, an upper reflecting surface adapted to project a

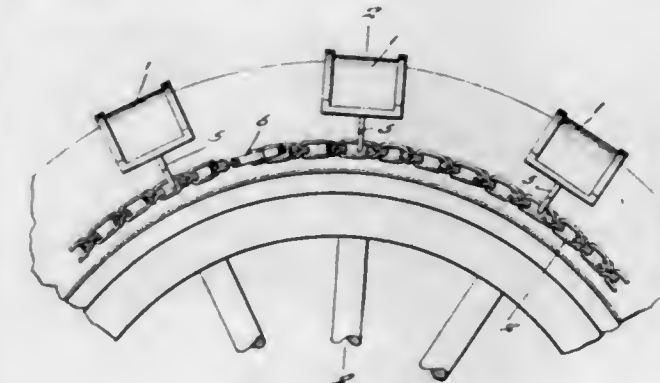
concentrated beam of light along its axis, the upper surface being disposed predominantly above the horizontal plane of the light source with its focus in the region of the light source and its axis disposed substantially horizontally, so as to project light substantially horizontally without projecting appreciable light upwardly, and a lower reflecting surface disposed predominantly below said horizontal plane with its focus in the region of the light source and its axis directed downwardly, so as to project light downwardly without projecting light upwardly, said surfaces meeting in the region of the horizontal plane passing through the light source.

1,514,552. APPARATUS FOR SIMULATING NATURAL PHENOMENA. LANGDON MCCORMICK, New York, N. Y. Filed July 10, 1922. Serial No. 573,840. 8 Claims. (Cl. 46-70.)



1. An apparatus for simulating natural phenomena, including a cylinder formed with openings, spark-simulating projections on the surface of the cylinder, means for rotating the cylinder, and a source of light within the cylinder.

1,514,553. ANTISKID DEVICE. CLARE B. McDOWELL, Flint, Mich. Filed July 30, 1923. Serial No. 654,740. 2 Claims. (Cl. 152-14.)

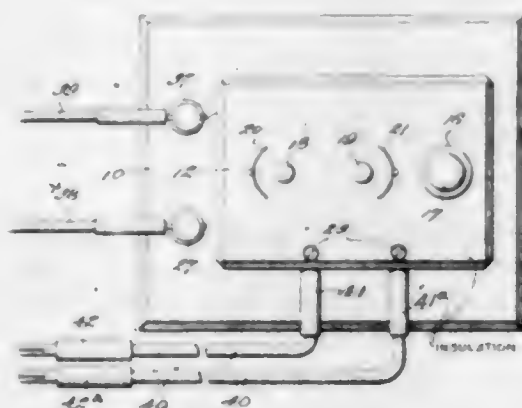


1. An anti-skid device of the class described comprising a plurality of lugs, each formed of channel iron and provided with a curved central part for engaging the tread of the tire and straight end portions extending laterally from the sides of the tire, side chains and means for connecting the straight end portions with the side chains.

1,514,554. JAPANESE SOY AND METHOD OF MAKING THE SAME. CHOKICHI MATSUKA, Los Angeles, Calif. Filed Dec. 3, 1923. Serial No. 678,353. 11 Claims. (Cl. 99-11.)

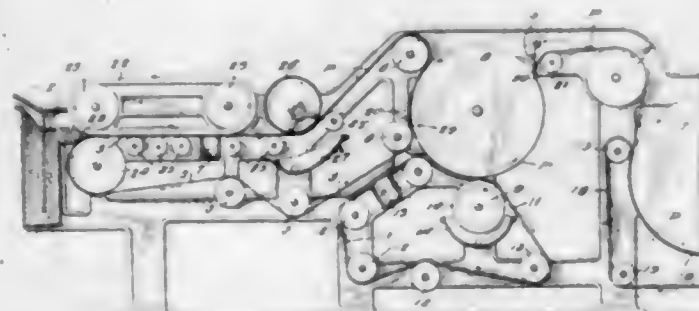
11. The method set forth of making Japanese soy comprising obtaining from soy stock a nutritive liquid extract containing the greater portion of the starch and albumen content of such stock; removing the solids from such extract; and fermenting such extract.

1,514,555. ELECTRICAL TESTING DEVICE. JAMES H. MERRAN, Leadville, Colo. Filed Aug. 30, 1922. Serial No. 585,229. 1 Claim. (Cl. 175-183.)



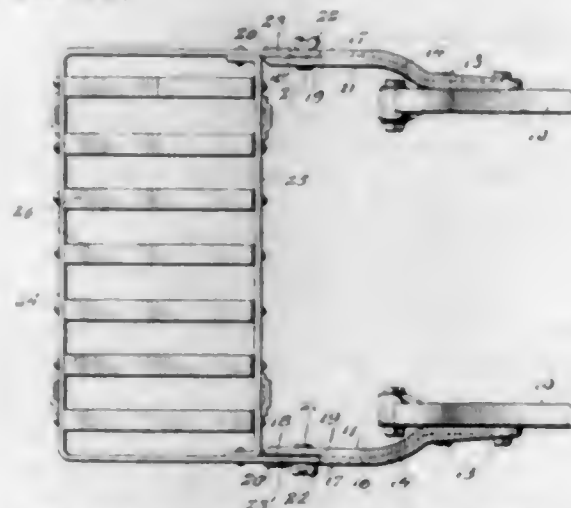
A testing device comprising a supporting base, a casing mounted thereon and carrying spaced arcuate contact shoes and contact buttons there adjacent, binding posts on the base, a socket mounted on the casing and carrying an incandescent test lamp, said lamp having its terminals connected with the respective arcuate contacts and with one binding post, both of said contact buttons being connected with the other binding post, and a pair of metallic sleeves extending through one side of the casing, one sleeve being connected with one binding post and both contact buttons, and the other sleeve being connected with one of said arcuate contacts.

1,514,556. PAPER-MAKING MACHINE, PARTICULARLY ADAPTED TO MAKING TISSUE AND OTHER THIN PAPERS. LESTER E. MILKEY, Sandusky, Ohio. Filed Mar. 26, 1923. Serial No. 627,902. 10 Claims. (Cl. 92-38.)



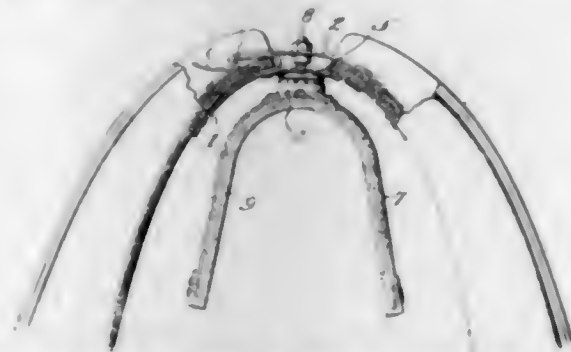
10. In a paper making machine, the combination of a pair of engaging press rolls, an endless wire screen upon which the moist paper web is formed, said endless wire screen being arranged to support the paper and carry it into direct contact with a portion of the surface of the press roll, means for extracting moisture from the paper web as it passes over the endless wire screen prior to its contact with the upper press roll, means for directing a blast of air through the screen at the point where its contact with the upper press roll ends to cause the paper to adhere to the upper press roll, an endless press felt extending around the lower press roller, means for extracting moisture from said endless press felt prior to its passing through the bite of the press rolls, a paper carrying roll positioned in proximity to the upper press roll at the opposite side from the endless wire screen for guiding it to the drier mechanism of the machine.

1,514,557. REAR-END EQUIPMENT SUPPORT. EUGENE S. MINER, San Francisco, Calif., assignor of one-half to Sidney B. Sargeant, San Francisco, Calif. Filed June 19, 1923. Serial No. 646,479. 8 Claims. (Cl. 224-29.)



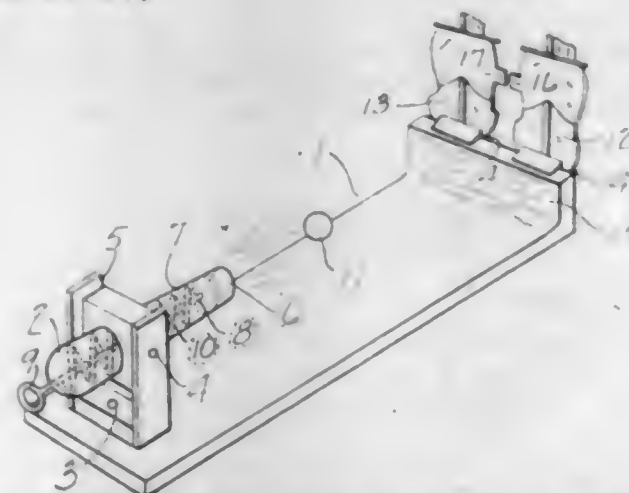
1. A rear end equipment support for motor vehicles comprising a bracket adapted for attachment to each side of a vehicle frame and having lugs formed thereon for supporting rear end equipment in an extended or folded position.

1,514,558. COLLAR. THORWALD MOGENSEN, Alder, Minn. Filed Oct. 2, 1922. Serial No. 591,897. 1 Claim. (Cl. 54-21.)



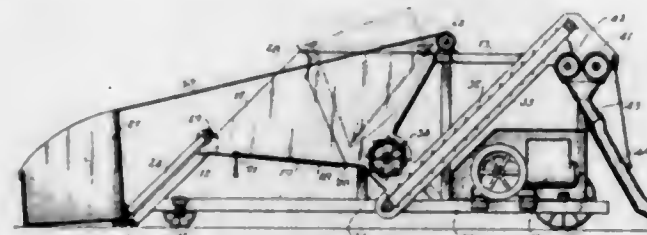
A horse collar having a tongue connected to one end and overlapping the other end, a spring latch plate above the tongue and connected with the same end of the collar that the tongue is fastened to, a keeper on the other end of the collar with which the latch engages, a shaft passing through the tongue and latch, nuts for holding the shaft to the latch, a pad carrying frame rotatably connected with the lower end of the shaft and anti-friction means for the shaft arranged between the pad carrying frame and the tongue.

1,514,559. TOY. CHARLES MONTALEANO, Brooklyn, N. Y. Filed Jan. 20, 1923. Serial No. 614,032. 1 Claim. (Cl. 46-59.)



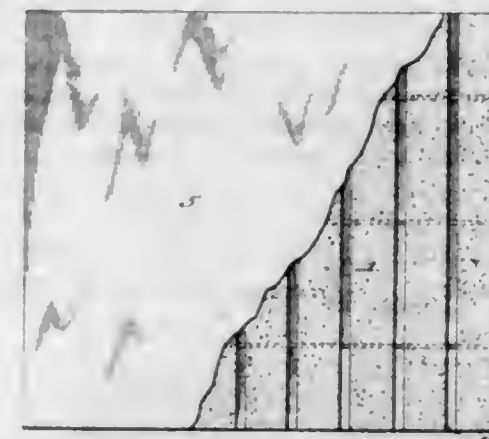
In a pair of target figures hingedly mounted from their bases, studs extending laterally from the figures at their adjacent sides, and so adapted to be simultaneously impinged by a projectile.

1,514,560. ASPHALT DISTRIBUTOR. JAMES F. MOORE, Valley Station, Ky. Filed Mar. 29, 1923. Serial No. 628,063. 4 Claims. (Cl. 214-103.)



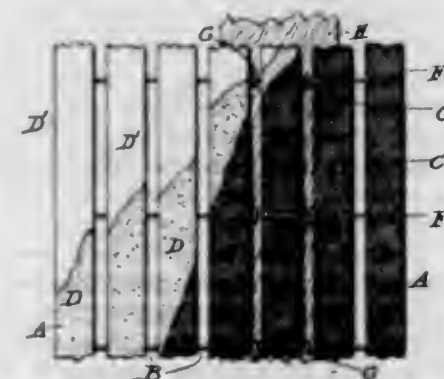
1. In a device of the kind described, a wheel supported frame, rails on said frame extending upwardly and then rearwardly from one end of the frame and other rails extending rearwardly in a substantially horizontal direction from the upper end of the first rails, a carriage traveling on said rails, a dumping hopper mounted on said carriage, means to move said carriage on said rails, a bin under the rearwardly extending portion of said rails, said bin including a movable bottom member hinged at its rear edge to a fixed portion of the bin, and means for connecting the free edge of said bottom member to said carriage.

1,514,561. WALL BOARD. JOSEPH F. MORRIS, New York, N. Y. Filed Oct. 24, 1923. Serial No. 670,477. 4 Claims. (Cl. 154-45.9.)



3. A wall board composed of strips or sections each composed of a reinforcing core of wire mesh, a covering of suitable material on each side of said strips, and cross wires arranged with reference to the wire mesh and coverings of the strips to secure them in proper relation.

1,514,562. BUILDING-WALL CONSTRUCTION. JOSEPH F. MORRIS, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,693. 3 Claims. (Cl. 72-124.)

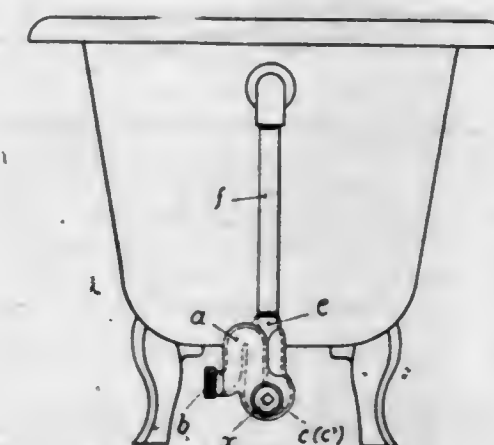


2. A lathing section, consisting of a series of strips, comprising a wire mesh reinforcing core, a plastic covering of suitable material on each side of said core, and

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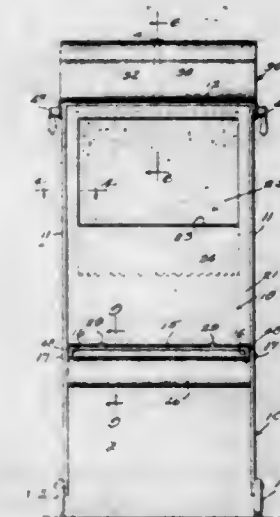
wires passing through said strips for retaining them in spaced relation and providing means to receive fastenings to secure the sections to the studding.

1,514,563. FLOW-OFF AND OVERFLOW DEVICE FOR BATHING TUBS. GEORGE MULLER, Nuremberg, Germany, assignor to Pfister & Langhans, Nuremberg, Germany. Filed May 12, 1924. Serial No. 712,907. 1 Claim. (Cl. 182-18.)



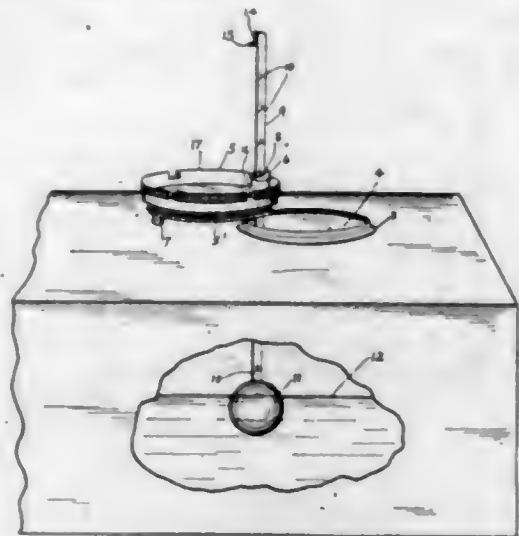
In a flow-off and overflow device for bathing tubs: the combination with a flow-off pipe and an overflow pipe both attached to the bathing tub, of an integral water seal main body arranged at right angles to the axis of said flow-off pipe and comprising a screw-threaded lateral branch and a screw-threaded upper branch for its attachment to a waste pipe and to said overflow pipe respectively and an equally screw-threaded front and rear branch at its lower end both lying in line with said flow-off pipe, either of said two latter branches being joined with said flow-off pipe, and a detachable cleaning screw on the other free branch, substantially as and for the purpose set forth.

1,514,564. AIR MOISTENER. DAVID L. NEWCOMER, Hanover, Pa. Filed Sept. 9, 1922. Serial No. 587,140. 3 Claims. (Cl. 299-20.)



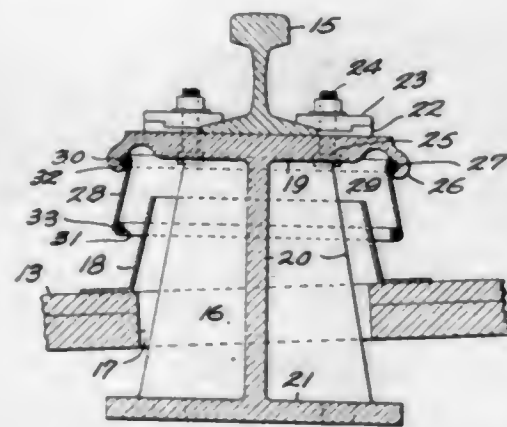
3. A device of the character described comprising a frame including a cross member at the top thereof, said cross member being provided with a longitudinal opening, a casing mounted in said frame and provided in one side with a relatively large opening, an absorbent member mounted in said casing, and a water container mounted above said frame, said container having a longitudinal perforate extension adapted to be disposed within the opening in said cross member and having the perforations thereof arranged within said casing.

1,514,565. LIQUID-LEVEL GAUGE. JOHN L. NILSON and JOHN PRINCE, Chicago, Ill., assignors to Universal Products Company, Memphis, Tenn., a Corporation. Filed Nov. 1, 1920. Serial No. 421,149. 2 Claims. (Cl. 73-82.)



1. A liquid level gauge for tanks comprising a cap adapted to be detachably fitted to the usual inlet opening of a storage tank, said cap having a guide slot there-through, an ullage rod slidably fitting in said guide slot and having graduations thereon, visible above the cap when in position, a float on the lower end of said rod for supporting the lower end of the same at the surface level of the liquid in the tank, and means for releasably holding the upper end of said rod to the cap when the rod is drawn down through the cap, said rod being sufficiently resilient whereby the rod is adapted to be bent over at its lower end for bringing the float against the cap and folding the device compactly for storage and shipment and easy handling.

1,514,566. RAIL STAND FOR SCALE PLATFORMS. JAMES D. O'NEILL, Montreal, Quebec, Canada. Filed Dec. 1, 1921. Serial No. 519,278. 16 Claims. (Cl. 265-71.)

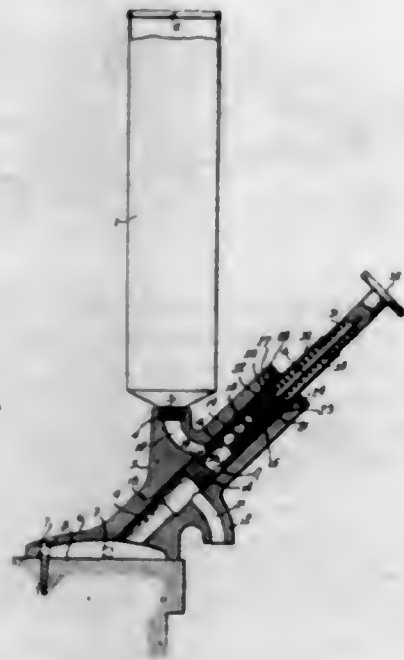


1. A rail stand for track scales including a top plate, a depending peripheral flange thereon internally grooved, and a detachable cape engaging the flange groove.

1,514,567. DISPENSING DEVICE FOR SHAVING CREAM. LOUIS R. O'NEILL, Newark, N. J. Filed Feb. 4, 1922. Serial No. 534,253. 3 Claims. (Cl. 221-105.)

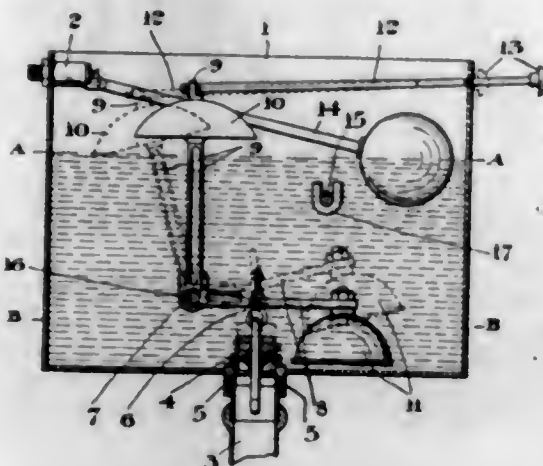
1. A valve mechanism which comprises a casting or frame having a bore and inlet and outlet passages leading thereto, a shoulder in the bore adjacent the outlet passage, a shell slidable within the bore and having its forward end closed, said shell having apertures to be

aligned with the inlet and outlet passages, a piston slidable within the shell, said shell having a plurality of spaced grooves therein, and locking means on the piston



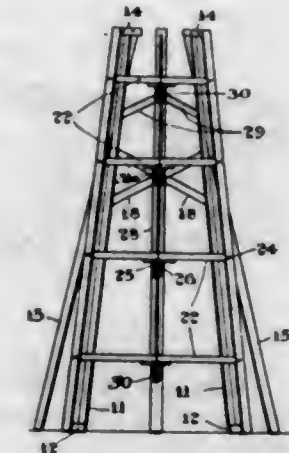
engaging the said grooves in the movement of the piston in either direction to cause the temporary movement of the shell therewith.

1,514,568. FLUSHING CISTERN. CHARLES ERNEST PAGE, JACK FINDLAY PAGE, and CHARLES NORMAN PAGE, Christchurch, New Zealand. Filed July 5, 1923. Serial No. 649,623. 2 Claims. (Cl. 4-63.)



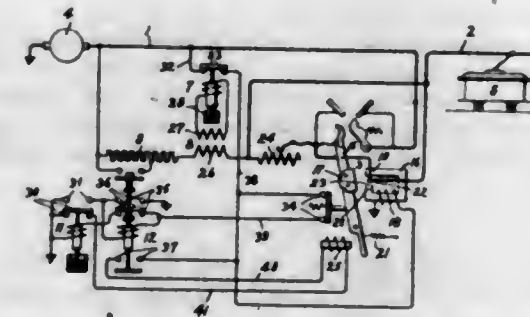
1. A flushing cistern comprising a containing vessel, means for admitting water thereto, a valve governing the discharge of water from the said vessel, a bell crank lever fulcrumed in said vessel to be turnable in a vertical plane with one arm of the bell crank extending vertically and the other arm of the bell crank extending in a substantially horizontal plane, means operatively connecting the horizontal arm of the lever with the aforesaid discharge valve, a weight carried by the vertical arm of the lever to maintain said lever in valve-opening position when moved thereto, a body carried by the horizontal arm of the lever arranged when submerged to ineffectively oppose said control of the lever by said weight, but on becoming emerged to overcome said control and turn said lever to its valve closing position, and means for moving the lever to valve opening position comprising a rod mounted to slide through an opening in the containing vessel and equipped with handle means at its outer end, stop means carried by an intermediate portion of the rod for engaging the inner wall of the containing vessel, and a pivotal connection between the inner end of the rod and the weighted arm of the lever.

1,514,569. STEPLADDER. CLARE W. PETTES, Verdun, Quebec, Canada. Filed Mar. 1, 1924. Serial No. 696,224. 2 Claims. (Cl. 228-37.)



2. A foldable ladder comprising side frames, steps consisting of sections having their inner ends hinged together and their outer ends hinged to the side frames, a vertically extending bar adapted to rest upon the ground in the extended position of the parts, links connecting said bar to the side frames, saddles carried by the bar for supporting the central portions of the steps in the extended position of the parts and pin and slot means connecting the bar to each of said steps.

1,514,570. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. GRACIE HALL ROOSEVELT, Tacoma, Wash., assignor to General Electric Company, a Corporation of New York. Filed Aug. 7, 1923. Serial No. 656,197. 7 Claims. (Cl. 175-294.)



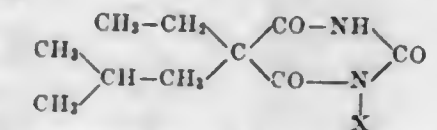
1. In an automatic reclosing circuit breaker system, the combination of a supply circuit, a load circuit, a circuit breaker arranged to connect said supply circuit to said load circuit, closing means for said circuit breaker, means for producing a current change in said load circuit when said circuit breaker is open, and means operative in accordance with the rate of change of the current effected by the operation of said last mentioned means for controlling said closing means.

1,514,571. PROCESS OF VULCANIZING CAOUTCHOUC AND PRODUCT OBTAINED THEREBY. LOUIS B. SERRELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 14, 1923. Serial No. 657,429. 12 Claims. (Cl. 18-53.)

5. A process of vulcanizing caoutchouc that comprises incorporating with a caoutchouc mix di-meta-xylyl-thiourea and vulcanizing the mix.

1,514,572. ISOBUTYL ETHYL BARBITURIC ACID. HORACE A. SHONLE, Indianapolis, Ind., assignor to The Eli Lilly & Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 21, 1921. Serial No. 454,149. 5 Claims. (Cl. 260-33.)

1. The new substances, which may be represented by the formula

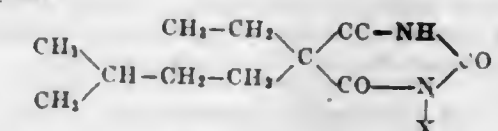


wherein X represents either a hydrogen atom, an atom of a monovalent metal, or an equivalent of a polyvalent metal.

5. The new substances, containing a radicle which is that derivative of the barbituric-acid radicle in which one of the two carbon-linked hydrogen atoms of the barbituric-acid radical is replaced by an ethyl radicle and the other is replaced by an alkyl radicle which has a branched chain in which at least one carbon atom intervenes between the barbituric acid structure and the carbon atom at which the chain branches.

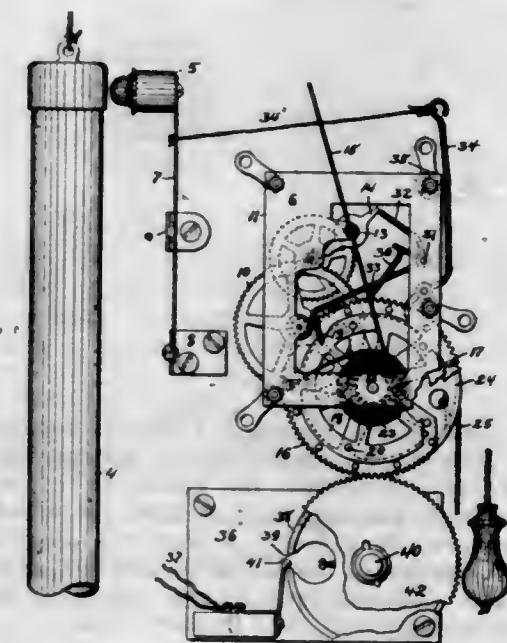
1,514,573. ISOAMYL ETHYL BARBITURIC ACID. HORACE A. SHONLE, Indianapolis, Ind., assignor to The Eli Lilly & Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 21, 1921. Serial No. 454,150. 4 Claims. (Cl. 260-33.)

1. The new substances, which may be represented by the formula:



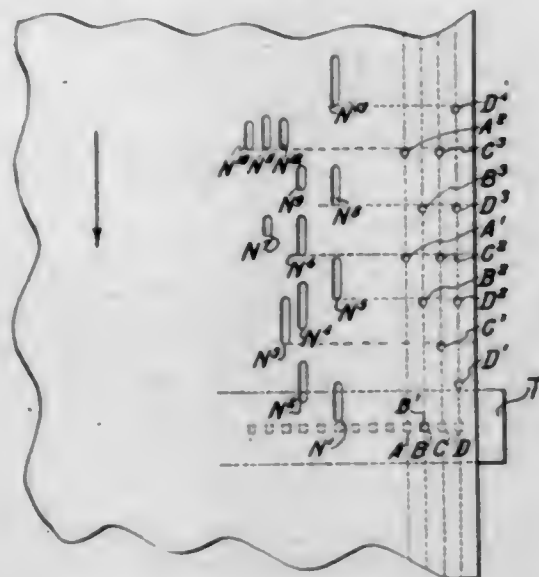
wherein X represents either a hydrogen atom, an atom of a monovalent metal, or an equivalent of a polyvalent metal.

1,514,574. GONG-STRIKING APPARATUS. GEORGE L. SMITH, Fort Wayne, Ind., assignor to The Smith Chimes Clock Company, a Corporation of Indiana. Filed Jan. 6, 1923. Serial No. 610,985. 2 Claims. (Cl. 116-162.)



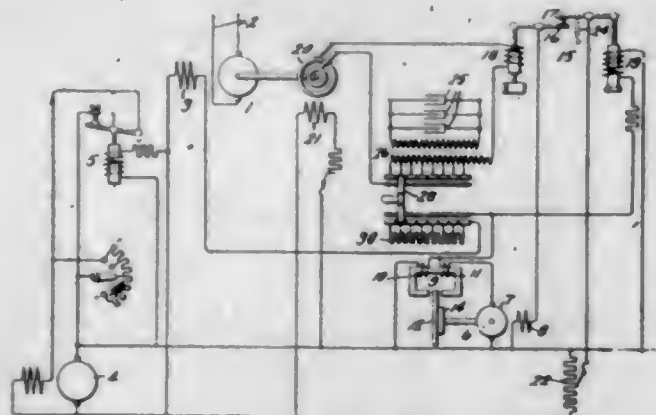
1. Apparatus comprising a case; a gong suspended in the case; a hammer for striking the gong; a mechanism for actuating the hammer; a spring having actuating relation with said mechanism; and a winding drum having a pull-string wound thereon and having limited actuating relation with said spring and controlling relation with said mechanism.

1,514,575. NOTE SHEET. CHARLES F. STODDARD, New York, N. Y., assignor to American Piano Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 13, 1922. Serial No. 543,149. 5 Claims. (Cl. 84-161.)



1. A music sheet for musical instruments comprising a plurality of series of expression governing perforations, and a less number of series of expression governing perforations to oppose the effects of said plurality.

1,514,576. REGULATING SYSTEM. LOUIS W. THOMPSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 10, 1923. Serial No. 618,220. 13 Claims. (Cl. 171-229.)

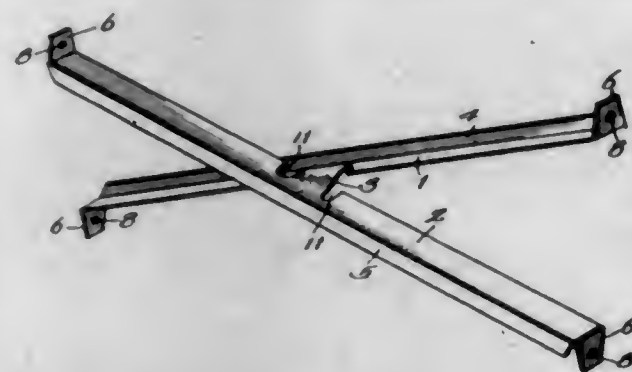


2. In a regulating system, a regulator for controlling the condition to be regulated, an alternating current generator for controlling the operation of said regulator connected and arranged so that the speed of said generator varies in accordance with the condition to be regulated, and means connected to said generator whereby the armature current of said generator leads the generated voltage.

1,514,577. BRACE. WILLIAM C. BURRELL, Kankakee, Ill., assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Dec. 11, 1922. Serial No. 606,077. 6 Claims. (Cl. 20-9.)

1. As a new article of manufacture, two elongated members which cross at their mid portions and a bridging piece uniting said members where they cross and formed

integrally therewith out of a piece of sheet metal, there being transverse slots margining the bridging piece to bring said members closer together, said members



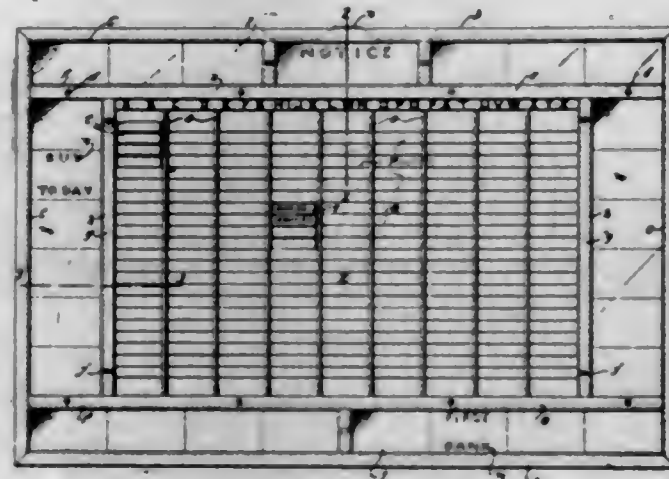
being bent along longitudinal lines to make them angular in cross section and on transverse lines near their ends to constitute ears.

1,514,578. FASTENER. MOSES F. CARR, Lexington, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 22, 1924. Serial No. 687,748. 13 Claims. (Cl. 24-218.)



12. A clench plate for separable fasteners presenting an elongated stud-receiving aperture and an extended bearing surface for a stud partly surrounding said stud-receiving aperture extending transversely forwardly and rearwardly from the general plane of said clench plate.

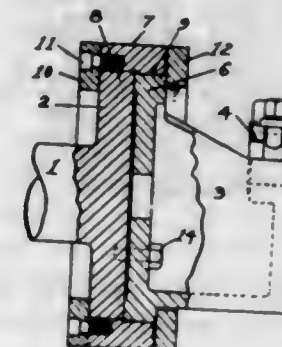
1,514,579. CARD RACK. GEORGE BRUCE CORRIE, Crewe, Va. Filed May 31, 1923. Serial No. 642,484. 3 Claims. (Cl. 40-64.)



1. A display device or rack consisting of a board or panel horizontal and vertical strips secured upon said board to form a main central space, and upper, lower and end surrounding spurs to receive display de-

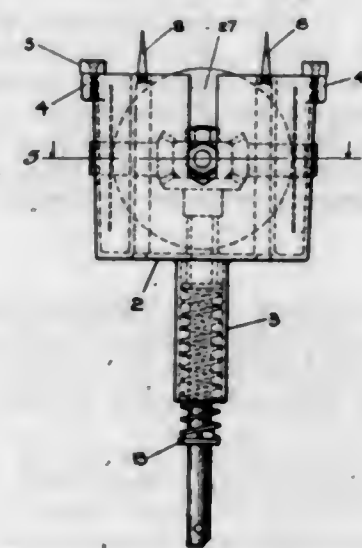
vices, hinge connections for the top, bottom and end strips, catches for holding said hinged strips, a flexible sheet fitting said main space and formed with folds to provide pockets, vertical strips dividing the said sheet into a series of vertically disposed card receivers, and an index strip above said card receivers, said vertical strips being fastened to the flexible sheet and panel in spaced or parallel relation to cause the card receivers or pockets to clamp and hold the cards in place.

1,514,580. POT CHUCK. FREDERICK S. FLOETER, Saginaw, Mich., assignor to Wickes Brothers, Saginaw, Mich., a Corporation of Michigan. Filed July 3, 1922. Serial No. 572,751. 2 Claims. (Cl. 82-40.)



1. In a machine of the class described, the combination with a pot chuck, a spindle, a disk on said spindle, a disk on said chuck, said disks set face to face, a revoluble ring surrounding said disks, said ring formed with two oppositely directed internal bores arranged eccentrically with respect to each other, said bores receiving respectively the rims of said chuck disk and spindle disk, said eccentric ring removable, whereby to adjust the radial distances between the axial centers of said spindle and the axial center of said chuck, for the purposes set forth.

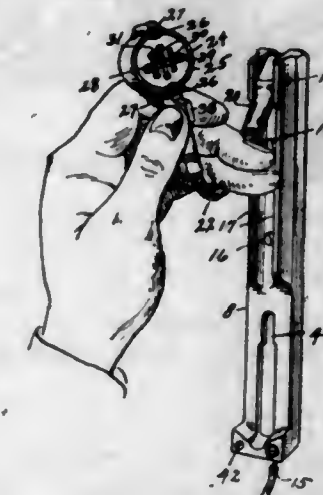
1,514,581. DEVICE FOR FORMING OPENINGS AND RECESSES IN WALLS. JAMES FLOYD, Brooklyn, N. Y., assignor, by mesne assignments, to Quadrangle Corporation, a Corporation of New York. Filed July 18, 1922. Serial No. 575,898. 7 Claims. (Cl. 145-122.)



1. An instrument of the character set forth, comprising a frame work support adapted to be attached to a wall to be operated upon, a mechanism carried on the support and reciprocable thereon, comprising a plurality of circular saws arranged and adapted to cut the wall on lines forming a substantially closed figure,

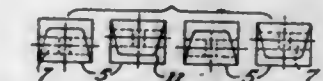
an attaching device carried by the support and engaging the wall at a point within the figure defined by the planes of the saws, and means whereby the mechanism may be reciprocated and the saws rotated.

1,514,582. CIGAR LIGHTER. CHARLES W. MABBY, Indianapolis, Ind., assignor to Mabey Electric and Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 8, 1923. Serial No. 616,665. 6 Claims. (Cl. 219-32.)



1. In a cigar lighter, a body member, an electric resistance, means comprising a cylinder of spirally wound wire for swingingly supporting the resistance from the body member and for manual contact in using the lighter, an electric current conductor in the body member and extending thence through said cylinder to the resistance, and a second conductor extending through the cylinder to keep the latter from heating by induction.

1,514,583. JOURNAL AND OTHER BEARING. HENRY T. NEWBIGIN, Newcastle-on-Tyne, England. Filed Nov. 11, 1922. Serial No. 600,363. 3 Claims. (Cl. 64-25.)

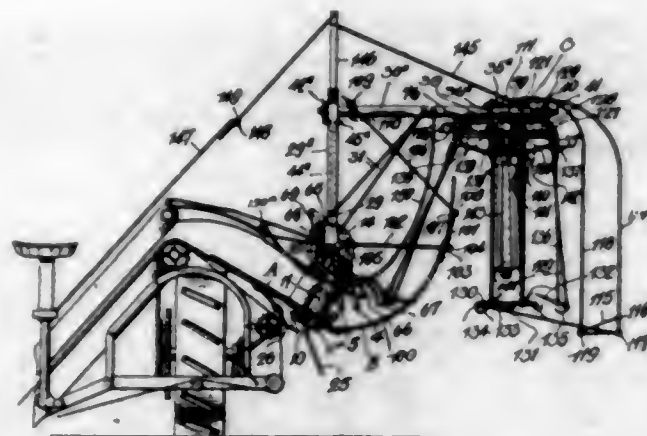


1. A lubricated bearing, comprising a bearing housing, and a series of pads arranged in following relation for engagement with the surface to be lubricated, the pads having each a bearing surface trapezoidal in shape, the trapezoidal portions of adjacent pads being oppositely directed, whereby surplus lubricant from one pad is, by its adhesion to the surface to be lubricated, diverted to the next pad in series, substantially as described.

1,514,584. SHEAF SHOCKER. WILLIAM HUMPHREY PERRIN, deceased, late of New Liskeard, Ontario, Canada, by Arthur Perrin and George Albert Bassett, executors, New Liskeard, Ontario, Canada, assignors to Perrin Shocker Manufacturing Company, Limited, New Liskeard, Ontario, Canada. Filed June 30, 1921. Serial No. 481,565. 16 Claims. (Cl. 56-412.)

6. In a sheaf shocker the combination with means for up-ending each sheaf as it is discharged from the binder, shock-forming mechanism adapted to receive each sheaf as it is up-ended and to discharge a plurality of

sheaves in the form of a shock, of a curvilinear guide platform extending from the binder deck adapted to



guide each sheaf during discharge, and a curvilinear guide rod spaced from the guide platform and above the same.

1,514,585. TESTING DEVICE FOR OIL WELLS. CHARLES R. EDWARDS, Houston, Tex. Filed Jan. 17, 1921. Serial No. 437,972. 6 Claims. (Cl. 166-1.)

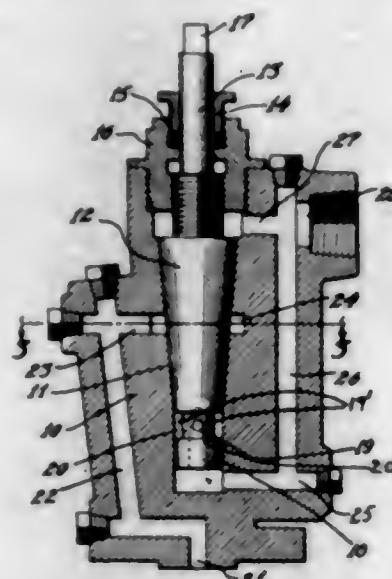


1. The combination with a packer adapted to be set in a well bore, of a stem provided to be inserted through said packer and adapted to communicate with the bore beneath said packer and permit fluid to be forced from the stratum, below said packer.

1,514,586. VALVE. WILLIAM C. RUOFF, HARRY MCEL-DOWNEY, ROBERT J. MAIN, and RUSSELL W. MAIN, Upper Sandusky, Ohio. Filed June 14, 1921. Serial No. 477,532. 2 Claims. (Cl. 251-167.)

1. A valve comprising a casing having a tapered bore, a reciprocable plug valve arranged therein, the casing

being provided with a chamber intermediate the ends of the valve and further provided with an inlet opening communicating with the chamber, the casing being also



provided with branch outlet openings at the opposite ends of the valve and a passageway communicating with both outlet openings.

1,514,587. ACOUSTIC HORN AND METHOD OF MANUFACTURING THE SAME. WILLIAM R. RESPESS, Staten Island, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,480. 3 Claims. (Cl. 144-309.)



1. The method of manufacturing an acoustic horn which consists in cutting a fibrous board substantially in the shape of a horn with the grain of said board running in a direction at an angle with longitudinal axis of the horn, slotting a portion of the board, softening the board, pressing the board substantially the shape of one half of the completed horn, bevelling the edges of the product thereby formed, positioning said product adjacent an oppositely shaped product, gluing, pressing and finishing said product whereby a completed horn is formed.

1,514,588. INDICATOR FOR GOODS, PRICES, ETC. JOSEPH BENEDICT RUETIMANN, St. Paul, Minn., assignor of one-half to Milton Fragos, St. Paul, Minn. Filed Apr. 28, 1924. Serial No. 709,333. 2 Claims. (Cl. 40-86.)

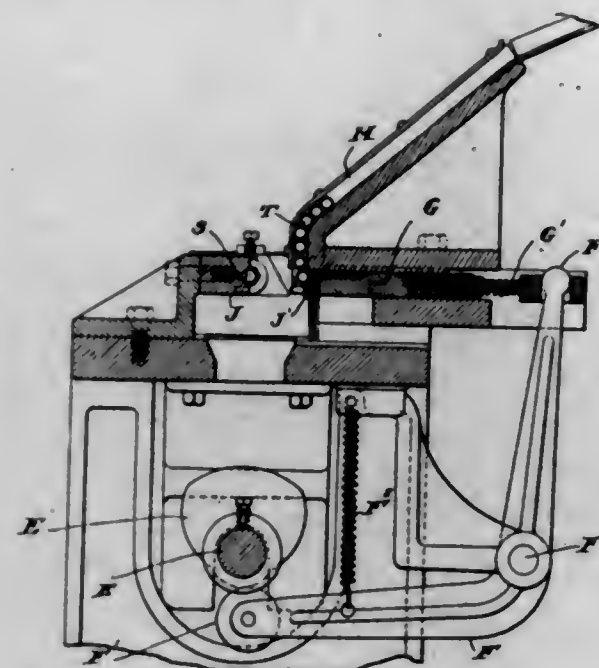
1. In an indicator device of the class described, a hollow upright frame having a transparent front, a back with doors large enough to permit access to the interior parts, and opposite side doors hinged to the back, vertically disposed frame bars spaced from the side doors and having in their rear edge forwardly inclined notches, a series of pairs of comparatively long rollers journaled in the notches and having secured to them the ends of flexible guided strips, each of which carries the name of some subject; a series of pairs of shorter rollers in some of the notches and arranged linearly with the long rollers, comparatively narrow, flexible strips secured each

with its ends to a pair of the short rollers and giving upon its various parts different information about the adjacent subject, and means for turning and for braking



said rollers; each of said long and short rollers having one of its journals projected beyond its bearing in the notch and serving as the means to get hold of in rotating the rollers when the side doors are opened.

1,514,589. MECHANISM FOR INDENTING RADIATOR TUBES. GEORGE A. FOISY, Lowell, Mass., assignor to United States Cartridge Company, Lowell, Mass., a Corporation of Massachusetts. Filed May 5, 1920. Serial No. 379,163. 14 Claims. (Cl. 153-2.)

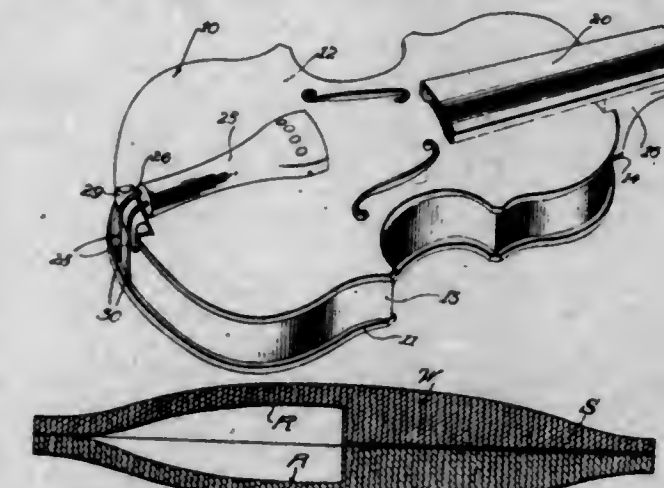


1. Apparatus for producing projections in the interior of metallic radiator tubes comprising means for simultaneously forming a plurality of integral dimple-like baffle indentations at predetermined points in the cylindrical wall of a tube, and means associated with said first means and engaging the exterior surface of the tube to reshape the tube after such indentation.

1,514,590. MUSICAL INSTRUMENT. RICHARD WILSON PARA, Edgemere, Idaho. Filed July 3, 1922. Serial No. 572,438. 4 Claims. (Cl. 84-275.)

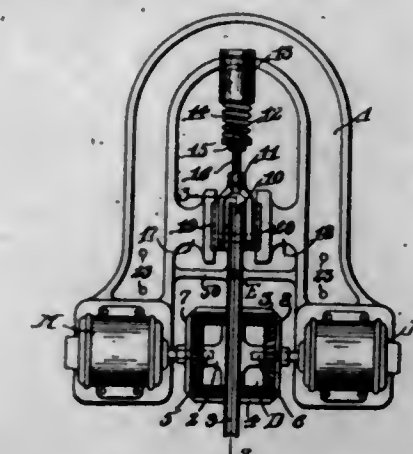
2. In a musical instrument, a sound box including a back, a tail piece and a flexible element directly secured to the tail piece and directly secured to the back for connecting the tail piece and the back.

4. In a musical instrument, a sound box having a belly provided with a bass bar, the belly and the bass bar being constructed of a single piece of wood whereby



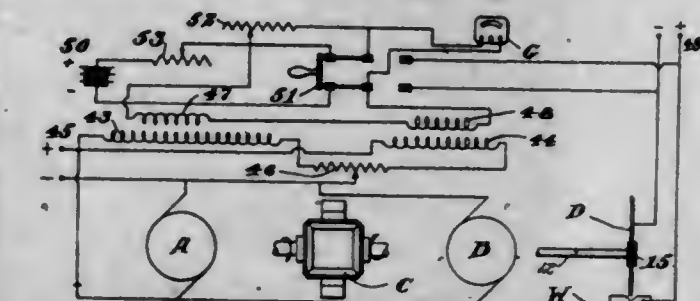
the bass bar and the portion of the belly with which it is associated are constituted of identical growth rings so as to be in strict sympathy thereby enhancing the strength, volume and purity of the tone.

1,514,591. ELECTRICAL APPARATUS. JAMES S. SMY-SER, Harwich, Mass. Filed Nov. 25, 1921. Serial No. 517,433. 12 Claims. (Cl. 219-8.)



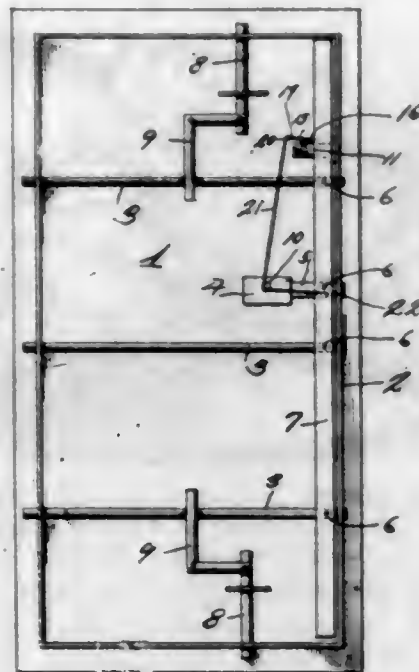
1. Apparatus of the class described comprising two variable speed electric motors differentially associated with a movable element to move said element longitudinally in either direction, an electric circuit whose resistance is varied by movement of said element, and means including windings in series with said circuit for controlling the differential action of said motors to control the position of the movable element.

1,514,592. ELECTRICAL APPARATUS. JAMES S. SMY-SER, Harwich, Mass. Filed May 29, 1922. Serial No. 564,303. 26 Claims. (Cl. 219-8.)



1. Apparatus of the class described comprising two electric motors differentially associated with a movable element to move said element oppositely in either direction, an electric circuit whose resistance is varied by movement of said element, and means including windings in parallel with said circuit for controlling the differential action of said motors to maintain the position of the movable element.

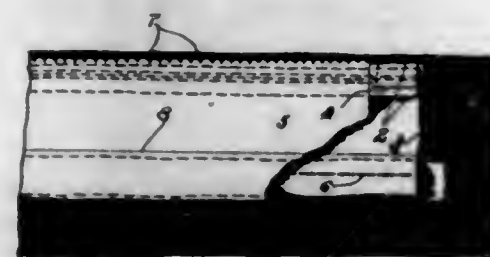
1,514,593. SAFE-LOCK ATTACHMENT. FREDDIE ANDREW SRESSENGOOD, Noble, Ill. Filed July 26, 1921. Serial No. 487,761. 2 Claims. (Cl. 109-3.)



1. The combination with a safe door, sliding bolts carried by said door, a controlling bar connecting the sliding bolts for moving the same, a lock carried by

the door, of an auxiliary locking mechanism for said door, said locking mechanism comprising a flexible member having one of its ends anchored, said flexible member extending over the lock spindle, the other end of the flexible member being connected to a pivoted lever, one end of which registers with an aperture in the controlling bar and is held in registration by spring means and spring means whereby upon severing of the flexible member the end of the pivoted lever will be held out of registration with the aperture in the controlling bar.

1,514,594. LINING AND METHOD. SAMUEL B. WAXMAN, Baltimore, Md. Filed Dec. 15, 1923. Serial No. 680,996. 3 Claims. (Cl. 2-236.)



2. In a garment a lining which comprises a piece of lining material hemstitched and sewed to the garment through and on the line of the hemstitching and turned over against the inside of the garment on said line.

THE OFFICIAL GAZETTE

OF THE

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CONTENTS.

	Page.
ISSUE OF NOVEMBER 11, 1924.....	249
INTERFERENCE NOTICES.....	249
ADVERSE DECISIONS IN INTERFERENCE.....	249
APPLICATIONS UNDER EXAMINATION.....	250
COMMISSIONER'S DECISIONS—	
Ex parte Cuthbert.....	251
Ex parte Howard.....	251
Ex parte Pearsall.....	252
Putnam v. Michellin.....	253
DECISIONS OF THE U. S. COURTS—	
Bickhart v. Crissey.....	254
In re Myers.....	254
In re Margaret N. Hernandez, Administratrix of the Estate of Arturo Hernandez-Mejia.....	255
In re Pupin.....	256
In re Malocassy.....	256
ADJUDICATED PATENTS.....	258
PATENT SUITS.....	258
NOTICES OF CANCELLATION.....	259
DISCLAIMER.....	260
TRADE-MARKS PUBLISHED (251 APPLICATIONS).....	261
TRADE-MARK REGISTRATIONS GRANTED.....	297
REISSUES.....	311
DESIGNS.....	312
PATENTS GRANTED.....	320

Issue of November 11, 1924.

Trade-Marks.....	276—No. 191,408 to No. 191,683, inclusive.
Reissues.....	5—No. 15,941 to No. 15,945, inclusive.
Designs.....	43—No. 65,945 to No. 65,957, inclusive.
Patents.....	991—No. 1,514,595 to No. 1,515,585, inclusive.
Total.....	1315

Interference Notices.

U. S. PATENT OFFICE, Washington, Oct. 15, 1924.

Arrow Neckwear Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between Cluett, Peabody & Co., Inc., Troy, N. Y., for registration of a trade-mark and trade-mark registered January 23, 1923, No. 163,549, to Arrow Neckwear Co., 87 Kingston Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Arrow Neckwear Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Arrow Neckwear Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 14, 1924.

The Master Jewelers, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Illinois Watch Case Company, of Elgin, Ill., for registration of a trade-mark and trade-mark registered September 6, 1921, No. 146,294, to The Master Jewelers, Inc., 392 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said The Master Jewelers, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Master Jewelers, Inc., its assigns or legal representatives, shall

enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 21, 1924.

Louisiana Nut & Produce Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Dixie Pecan Growers Exchange Inc., Zebulon Street, Barnesville, Ga., for registration of a trade-mark and trade-mark registered May 9, 1916, No. 110,262, to Louisiana Nut & Produce Company, 505 Tchoupitoulas Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Louisiana Nut & Produce Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Louisiana Nut & Produce Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

Clarence May, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Allen-Qualley Company, Sixth and Broadway, St. Paul, Minn., for registration of a trade-mark and trade-mark registered November 16, 1921, No. 148,476, to Clarence May, 3112-3116 Cottage Grove Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said May at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said May, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,401,765, E. W. Davis, Lubricating system, decided September 24, 1924, claims 11, 15, 24, and 25.

Pat. 1,490,464, Hadfield and Clerke, Armor-piercing projectiles, decided October 23, 1924, claims 3 and 5.

NOTE.—The notice in 327 O. G., page 437, that C. E. Hamilton is not the first inventor of claim 2 of Pat. 1,466,363, was erroneous.

Condition of Applications Under Examination at Close of Business October 31, 1924.

Room No.	(Total number of applications awaiting action, including Trade-Mark Division, 57,784; Trade-Mark Division, 3,273. Oldest new case, Mar. 1, 1924; oldest amended, Mar. 1, 1924. The dates given are 1924.)	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scatterer Unloaders.	Apr. 25	June 4			982
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Apr. 18	May 2			760
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Aug. 14	Aug. 23			288
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Apr. 10	June 27			865
106*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Apr. 2	Apr. 5			993
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Mar. 20	Mar. 26			1,126
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	May 10	May 14			1,583
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	June 9	July 9			1,313
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Apr. 30	Sept. 6			615
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	May 1	June 9			1,350
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	July 15	July 14			851
380	12. PIERCE, P. P., Machine Elements.	May 22	May 16			943
154*	13. NIXON, G. A., Bolt, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Mar. 19	Apr. 11			1,080
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	May 14	Sept. 3			505
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 14	May 1			1,331
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Mar. 31	Apr. 8			1,359
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 1	July 9			810
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 1	Mar. 1			1,254
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 2	July 14			828
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 18	May 6			1,209
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	May 5	Aug. 20			575
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Apr. 12	Apr. 21			1,127
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	May 16	May 14			493
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 29	May 28			859
318	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 8	Aug. 21			688
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Mar. 6	Apr. 3			838
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 20	June 3			1,019
225	28. BENSON, A. R., Internal-Combustion Engines.	May 8	May 19			1,066
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Mar. 31	Apr. 17			1,179
243	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	May 5	June 13			1,193
314	31. HOLMES, W. N., Alcohol, Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 28	Apr. 26			1,009
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	May 1	May 1			867
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	June 9	June 18			1,165
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	June 4	May 17			724
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	July 15	Aug. 1			644
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	May 16	May 15			1,514
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 21	May 1			1,557
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	May 8	May 16			1,105
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	May 10	June 16			645
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 20	July 8			1,919
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Apr. 14	June 16			671
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Mar. 8	Mar. 20			1,541
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 13	Mar. 28			1,276
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Apr. 9	May 14			1,044
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Apr. 9	Mar. 19			871
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 10	Mar. 17			1,053
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Apr. 10	Apr. 11			1,475
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Mar. 11	Mar. 18			1,981
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Apr. 18	May 22			929
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Mar. 17	Mar. 17			1,732
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Apr. 14	Apr. 12			2,168
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	June 4	July 11			794
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 7	Mar. 28			1,457
102	DESIGNS: C. O. MARKHAM (Acting).	Sept. 22	Sept. 20			571
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Oct. 1	Oct. 3			1,673
		Aug. 19	Aug. 23			600

* Refers to room numbers in the annex

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE CUTHBERT.

Decided February 20, 1923.

INVENTION—TRANSFER OF OLD DEVICE TO ANALOGOUS SITUATION.

Where a prior patent teaches the use of appellant's manner of attaching wire terminals as applied to electric fittings in general by means of wire coiling and clamping screws, the use of such screws for securing the wire terminals to a particular type of lamp socket, accompanied by their known advantages, does not constitute invention.

Note.—This application has resulted in Patent No. 1,485,964, March 4, 1924.

APPEAL from the Examiners in Chief.

LAMP SOCKET.

Messrs. Force, Bain & May for the applicant.

KINNAN, First Assistant Commissioner:

This is an appeal from the decision of the Examiners in Chief affirming the final rejection by the Primary Examiner of claims 1, 2, and 7, of which the following is sufficiently illustrative:

1. A lamp socket structure comprising a base; a lamp engaging threaded sleeve mounted on said base; wire terminals mounted on said base, accessible thru the open end of the sleeve; a one-piece shell enclosing said structure and inseparably secured thereto and wire coiling and clamping screws threaded in said terminals.

The references relied upon are: Ball, 501,485, July 18, 1893; Pierce, 674,283, May 14, 1901; Benjamin, 825,444, July 10, 1906; Cuthbert, 1,166,114, December 28, 1915; Degen (Swiss), 36,102, July 21, 1906.

The invention relates to sockets for electric-light bulbs. The appealed claims are directed to the specific means for connecting the wire terminals to a socket of the one-piece shell type. Screws having enlarged heads provided with depending projections are used for this purpose. The wire terminals are threaded through openings in the socket base and through small openings in plates attached to said base and connected to the lamp-engaging terminals. The wire terminals are held adjacent the shanks of the screws by the plates and are engaged by the projections on the screws heads, which projections cause the wires to be coiled about the screws when the screws are turned to clamp the wires in attached position. The screws can be engaged and turned by a screw driver positioned in the open or lamp-receiving end of the socket.

The patent to Benjamin discloses a socket of the one-piece shell type in which the wire terminals are threaded through openings in the socket base and secured in position by screws accessible through the open end of the socket. The appealed claims differ from this reference in two respects. First, they state that the shell is inseparably secured to the inclosed parts. This is a common construction, as shown in the patent to Ball, and does not tend to confer patentability to

the claims. Second, the claims include wire coiling and clamping screws. Benjamin's screws do not coil the wire, and the question arises as to whether the substitution of the coiling screws shown in the Cuthbert patent for Benjamin's screws constitutes invention.

Affidavits have been presented to show that the Benjamin socket has not been placed on the market, presumably for the reason that it would be difficult to coil the wire terminals about the screws. Appellant contends that the use of the coiling and clamping screws shown in the Cuthbert patent in a socket of the one-piece shell type improves the socket, because they facilitate the attachment of the wire terminals, and that such improvement constitutes invention.

The Cuthbert patent does not specifically mention lamp sockets, but it does teach appellant's manner of attaching wire terminals as applied to electric fittings in general. The purpose of the Cuthbert screw is to render unnecessary manual coiling of the wire prior to manipulation of the screw. It is believed that this patent is suggestive of the use of the Cuthbert screw for the attachment of electric-wire terminals in any fixture in which the coiling can not be easily performed by hand or by the use of a tool. It would seem only natural that the screw be used in such instances. It is considered that its use in a lamp socket, accompanied only by its known advantages, does not constitute invention. Therefore it is not believed that the substitution of Cuthbert's wire terminal attaching means for those shown in the Benjamin patent constitutes invention.

The decision of the Examiners in Chief is affirmed.

EX PARTE HOWARD.

Decided April 26, 1922.

1. ARTICLE OF MANUFACTURE—PRODUCT IN AN INTERMEDIATE STAGE OF ITS MANUFACTURE INTO AN ARTICLE—EVANESCENT PRODUCT.

Where claims were drawn to a freely-falling drop or gob of molten glass which exists only while falling to the mold, Held that it is the finished product that the patent statutes are designed to protect as "manufactures" and not something which is produced at a particular stage of the manufacturing process and which is evanescent and adapted for use only in so far as it may enter into and be modified by subsequent steps of a method for producing a completed article.

2. SAME—SAME—INHERENTLY USEFUL PRODUCT.

Products of intermediate steps of a process or method may be inherently useful and new, and therefore may be patented as articles.

3. METHOD AND PRODUCT—PATENTABILITY.

The mere fact that H. was the first to shape a drop or gob of glass is not a sufficient reason for granting a patent on such mass. It is the method of producing and shaping the mass which is new and patentable.

APPEAL from Examiners in Chief.

METHOD OF FEEDING GLASS.

Messrs. Kay, Totten & Brown for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the decision of the Examiners in Chief sustaining the rejection of claim 29 and refusing to admit a proposed claim 47. The refusal of the Examiners in Chief to admit claim 47 was construed by the Examiner as a recommendation to reject claims 45 and 46, which had been previously allowed.

The claims referred to are as follows:

29. The method of forming masses of molten glass that comprises causing the glass to flow through an opening and subjecting the glass to intermittent fluid pressure applied adjacent to the said opening.

47. As a new article, a freely-falling drop or gob of molten glass which has a mechanically produced and substantially uniform cross-section for the greater part of its length, and which, by reason of being so shaped while hanging from its parent body of glass, is not materially different in temperature and fluidity from said parent body of glass.

Claim 29 was rejected on the patent to Hitchcock, No. 805,007, Nov. 21, 1905. The appellant contends that in the reference relied upon the fluid pressure is not applied "adjacent to" the outlet of either the chamber 3 or passage 2, but at the top of the chamber 3. It seems to me, however, that fluid pressure is applied both on and adjacent each of the said openings. In the case of the opening leading from the chamber 3 fluid pressure is set up in the body of the melted glass itself and transmitted and applied "adjacent to" such opening. In response to applicant's request it is suggested that, in the absence of further references, the claim will avoid the reference and may be allowed if and when amended by substituting "directly below" for "adjacent to the" in the last line thereof.

The majority of the Board of Examiners in Chief declined to recommend the admission of claim 47 on the ground that it covered a charge of glass in an intermediate stage of its manufacture into an article. Although there appears to be no decided case precisely in point, it appears that the article covered by the said claim does not fall within the scope of the definition of a "manufacture" as enunciated in the more recent court decisions (see *Orier v. Innes*, 170 F. 324; 95 C. C. A. 508; *Riter-Conley Mfg. Co. v. Aiken*, 203 F. 699; 121 C. C. A. 655; and *International Mausoleum Co. v. Stevert*, 213 F. 225, 229; 129 C. C. A. 569).

[1] The article claims are drawn to a freely-falling drop or gob of molten glass. The drop exists as such only while falling to the mold. When it reaches the latter, it assumes a different shape, solidifies immediately, and is transformed into a completed article. In view of the decisions cited, I am of the opinion that it is the finished product that the patent statutes are designed to protect as "manufactures" and not something which is produced at a particular stage of the manufacturing process and which is evanescent and adapted for use only in so far as it may enter into and be modified by subsequent steps of a method for producing a completed article.

[2] In reaching this conclusion I am not unmindful of the fact that products of intermediate

steps of a process or method may be inherently useful and new, and therefore may be patented as articles. Thus a roof is a "manufacture" within the meaning of section 4896, Revised Statutes, and in constructing a roof the builder may also fabricate the clay tiles, beams, bolts, rivets, etc., used in forming the same, each of which would be intermediate products and, if new, patentable as a "manufacture." These articles, however, are inherently useful and complete in themselves. Nothing remains to be done to make a finished product. On the other hand the drop of glass claimed is in its temporary condition while being transformed into something else. The "manufacture" is not yet made, the process of manufacturing is still incomplete.

[3] It should also be noted that the principal difference between the applicant's drop or gob of glass and those disclosed by the prior art references lies in its shape, the idea being to shape the charge to fit the mold. The mere fact that the appellant was the first to shape the mass of glass is not a sufficient reason for granting a patent on such mass. *Milligan and Higgins Glue Co. v. Upton*, 1 Ban. & Ard. 497. It is the method of producing and shaping the mass which is new and patentable, the difference between the new and old drops or gobs being merely one of degree.

It may be noted in passing that the photograph filed with the brief before me showing the "6 oz. Gather" seems to indicate that applicant's argument is from theory and not from practice. The drop of glass in that photograph is of the old pear shape and not that described in claims 45, 46, and 47.

For the foregoing reasons the action of the Examiners in Chief is affirmed, and claims 29, 45, 46, and 47 will be rejected.

EX PARTE PEARSALL.

Decided May 27, 1922.

INVENTION—DISCOVERY OF DEFECT—PROVISION OF MEANS FOR AVOIDING IT.

Where it was old in apparatus for welding the contacting ends of tubular bodies to provide external rollers and a solid internal mandrel to support the tube at the point to be welded, the mandrel being smaller than the tube, so that the tube could be placed upon it, and the applicant substituted an expansible mandrel to maintain the internal diameter at the welded portion as large as the unwelded portion, claims which could not be read on the prior art were allowed, applicant having perceived the defect and pointed out the means for avoiding it.

(Note.—This application has resulted in Patent No. 1,493,643, May 13, 1924.)

APPEAL from Examiners in Chief.

APPARATUS AND PROCESS FOR WELDING TUBULAR BODIES.

Messrs. Prindle, Wright & Small for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiners in Chief affirming the Primary Examiner in rejecting claims 1, 2, 3 and 15. Twenty-seven claims have been allowed.

Applicant here proposes substitutes for claims 3 and 15 and suggests that he will make any changes

DEMOUNTABLE DISK WHEEL.

Messrs. Whittemore, Hulbert & Whittemore and

Messrs. Milans & Milans for Putnam.

Messrs. Wilkinson & Giusta for Michellin.

FENNING, Assistant Commissioner:

Michellin appeals from the action of the Examiners in Chief reversing the Examiner of Interferences and awarding priority to Putnam in an interference involving Putnam's patent, No. 1,384,405, dated April 12, 1921, and Michellin's application filed April 16, 1920, claiming the filing date of his French patent, No. 465,871, filed Dec. 8, 1913, under the provisions of the act of March 3, 1921.

The invention relates to automobile disk wheels. Putnam shows two constructions. In one his hub is provided with projecting bolts to engage holes in the disk associated with a cap carrying nuts to engage the bolts and hold the disk in place. The hub is provided with additional apertures approximately registering with additional apertures in the disk. It is contemplated that a rod will be passed through the additional holes in the disk and fulcrum in the additional holes in the hub, so that when the rod is lifted it will lift the disk wheel from the ground into proper position to allow the bolt holes in the disk to slide over the bolts on the hub. In the alternative arrangement shown in Putnam the apertures in the hub are omitted and the additional apertures in the disk are omitted. The hub is provided with projecting bolts, and the disk provided with apertures to engage the bolts. The bolts are provided with a reduced end portion to engage a socket in the end of the lever which passes through one of the bolt holes in the disk, so that when the lever is lifted it will lift the disk wheel into such position that the bolt holes in the disk may be passed over the bolts.

The counts of the interference are claims 1, 2, and 3 of the Putnam patent. Count 1 is as follows:

1. The combination with a hub, of a demountable disk wheel for engagement with said hub, said wheel having an aperture in the disk thereof, engageable by a tool for lifting the wheel into proper registration with the hub, and the hub having a bearing, providing a fulcrum for such a tool.

The count calls for a hub "having a bearing providing a fulcrum" for the lifting tool. Count 2 also calls for a hub having "a bearing for such tool." Count 3 also provides that the hub is "formed with a fulcrum bearing for said tool." It will be remembered that in one form of his device Putnam provides apertures in his hub which form fulcrums for the lifting lever. In the other form Putnam provides a specially-arranged reduced end on his bolts as a fulcrum for the lever. In each instance he has an element in addition to the bolts on the hub and the bolt-engaging apertures on the disk. Admittedly the claims of the interference must be interpreted as broadly as their words allow; but when the interference involves a patent the claims must be interpreted in such a way as to make them read upon the patent and not upon the prior art, if such interpretation is possible.

Since Putnam shows a specially-provided fulcrum seat on his hub, and since that specially-pro-

in the claims deemed essential to explicitness. The invention is sufficiently disclosed in the following claims:

1. In an apparatus for welding tubular bodies, means to weld the contacting ends of tubular bodies comprising means to fix the external diameter of the welded portion and internal means to maintain the internal diameter of the tubular body at the welded portion as large as the unwelded portion.

2. In an apparatus for welding tubular bodies, means to weld the contacting ends of tubular bodies comprising means to fix the external diameter of the welded portion and means to make the internal diameter of the welded portion equal to the internal diameter of the rest of the tubular body.

3. In an apparatus for welding tubular bodies, means to weld the contacting ends of tubular bodies comprising means to fix the external diameter of the welded portion, and internal means to weld the contacting ends and to maintain the desired internal diameter of the welded portion equal to that of the tubular bodies.

15. In an apparatus for welding tubular bodies, means to weld the contacting ends of tubular bodies comprising means to make the external diameter of the welded portion of any desired dimension and means to make the internal diameter of the welded portion of any desired dimension with respect to the internal diameter of the tubular bodies.

Claims 3 and 15 have been copied as changed by applicant, and I have added the underscored portion of claim 1 to make it more definite.

The reference relied on is No. 993,983, Harrison, May 30, 1911, in which a solid mandrel enters the tube and supports it at the point to be welded. This cooperates with external rollers which are adjustable.

Applicant has an internal mandrel which is expansible, cooperating with external members at the weld. Applicant explains that the mandrel of Harrison must be smaller than the tube, so that the tube may be inserted on it, and as the welding progresses the tube is mashed down by the rollers to the mandrel size. This may produce an internal contraction in the tube. Harrison clearly did not contemplate this, he does not describe it, and he shows a welded tube in Fig. 8 having no contracted portion. Nevertheless I am satisfied that the contraction would occur. Applicant has perceived the defect and pointed out means for avoiding it. The claims as now presented bring out this distinction and when limited to their terms can not be read upon Harrison. Applicant relies upon the word "maintain" in claim 1 to carry it; but that word, among others, means "support." Employing such a meaning brings the claim within the disclosure of Harrison. The underscored words above added to claim 1 correct this defect in terminology.

If applicant will present an amendment adding the underscored words above to claim 1 and substituting for claims 3 and 15 those above quoted, the application will be allowed.

To the extent indicated the Examiners in Chief are reversed.

PUTNAM v. MICHELIN.

Decided May 3, 1924.

INTERFERENCE—PATENT AND APPLICATION—ISSUE—CONSTRUCTION OF.

The claims of an interference must be interpreted as broadly as their words allow; but when the interference involves a patent the claims must be interpreted in such a way as to make them read upon the patent and not upon the prior art, if such interpretation is possible.

APPEAL from Examiners in Chief.

vided fulcrum seat is not found in the prior art, and since the words in the counts specially point out that specially-provided fulcrum seat, the only reasonable interpretation to be given to the claims is one which will require a device responsive to them to include a specially-provided fulcrum seat in the hub.

The patent to Martin, No. 912,010, is referred to below as showing the necessity for such an interpretation to avoid the prior art.

The Michelin French patent [465,871] has no such separate fulcrum seat in the hub. It has on the hub a plurality of bolts, and it shows in the disk wheel a corresponding number of apertures adapted to engage the bolts, and nothing more. Applicant suggests that by the use of a proper tool engaging one of the bolts on the hub and passing through one of the holes in the disk his wheel may be lifted into the proper position for the disk holes to engage the hub bolts. Applicant urges that it has been his custom to so mount the wheels covered by the French patent. That all may be so, and still it will be impossible to read the claims upon the French patent.

It is suggested that in applicant's United States application he has shown the holes in the disk somewhat larger than the bolts on the hub, thus making it possible for the lifting tool to be seated on the bolt through the hole in the disk, at the same time that the hole in the disk engages the bolt; but even this does not provide the special fulcrum seat in the hub provided by Putnam.

Claim 4 of Putnam is specific to fulcrum apertures in the hub and consequently was not made by Michelin.

I am unable to find that any of the counts of the interference read upon the Michelin French patent or upon the Michelin United States application here involved. Michelin, therefore, has no right to make the claims involved in the interference.

The Examiners in Chief's award of priority to Putnam is affirmed.

Court of Appeals of the District of Columbia.

BICKHART V. CRISSEY.

No. 1,659. Decided June 2, 1924.

1. INTERFERENCE—DISCLOSURE—DILIGENCE—FILING AND PROSECUTION OF APPLICATION FOR DESIGN APPLICATION DISCLOSING MECHANICAL INVENTION WHICH CONSTITUTES ISSUE.

Where C. filed an application for a design patent, which fully disclosed the invention, on September 15, 1919, B. filed a mechanical application on December 1, 1919, upon which a patent was issued on June 22, 1920, and C.'s mechanical application was filed September 18, 1920, *Held* that the filing of the design application and its prosecution to the final granting of the design patent must be held to show diligence, and priority was awarded to C.

2. SAME—DILIGENCE.

The party who is later to conceive does not succeed by reason of his own swiftness, but by reason of the idling by the wayside of him who started first.

Mr. H. T. Fenton for Bickhart.

Mr. B. P. Fishburne for Crissey.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, J.:

Appeal from concurrent decisions of the Patent Office tribunals in an interference proceeding in which priority of invention was awarded the party Crissey.

The invention relates to the lead grid or plate of a storage battery, formed of interlacing ribs or bars, the bars on one side of the plate being in staggered relation to the bars on the other side. It is a narrow invention, constituting a variation of the standard grid. The tribunals of the Patent Office, after reviewing the evidence, have found that Crissey's conception and disclosure antedated Bickhart, and in this finding we concur. On September 15, 1919, Crissey filed an application for a design patent, which fully disclosed the invention. Bickhart filed a mechanical application on December 1, 1919, upon which a patent was issued on June 22, 1920. Crissey's mechanical application was filed on September 18, 1920. The tribunals of the Patent Office also have found that the filing of the design application by Crissey demonstrated his diligence, and that he therefore is entitled to the award of priority.

[1. 2] We have, therefore, a case in which the real inventor has been recognized. As stated by the Assistant Commissioner,

Crissey's conception and disclosure were clearly earlier than those of Bickhart. The filing of the design application and its prosecution to the final granting of the design patent must be held to show diligence. The goal toward which both inventors were travelling was the reduction to practice, either actually or constructively by filing an application, and the later to conceive does not succeed by reason of his own swiftness but only by reason of the idling by the wayside of him who started first. It is clear no charge of nondiligence could be brought against Crissey when he filed his design application before Bickhart entered the field and prosecuted it to the grant of the patent. He sought protection with the resulting disclosure to the public. This constitutes a compliance with the ultimate purpose of the patent law.

It results that the decision is affirmed.

Affirmed.

IN RE MYERS.

No. 1,660. Decided June 2, 1924.

PROCESS—DECISION OF PATENT OFFICE AFFIRMED.

The Patent Office decision denying certain claims relating to a process of making brick ice cream, in which a mold is moved beneath three containers in succession, receiving a layer of ice cream from each container, each layer being formed on top of the previously formed layer, *affirmed*.

Mr. Albert E. Dietrich for Myers.

Mr. T. A. Hostettler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, J.:

Appeal from a Patent Office decision denying certain claims for a patent relating to a process of making brick ice cream, composed of a plurality of layers of differently-flavored material. A

mold is moved beneath three containers in succession, thus receiving a layer of ice cream from each container, each layer being formed on top of the previously-formed layer.

The Assistant Commissioner, reversing the lower tribunals and resolving a doubt he entertained in favor of the applicant, allowed three claims limited to the particular process employed, saying:

The process is simple, it is true, but it is efficient in making the particular confection and it is believed these claims should be allowed.

For the reasons fully set forth in the opinions of the three tribunals, we concur in the finding that the other more broadly drawn claims read on the prior art.

The decision is affirmed.

Affirmed.

IN RE MARGARET N. HERNANDEZ, ADMINISTRATRIX OF THE ESTATE OF ARTURO HERNANDEZ-MEJIA.

No. 1,663. Decided June 2, 1924.

1. REISSUE—BROADENED CLAIMS—DELAY.

Where the Patent Office tribunals concurred in refusing to allow an application for reissue with broadened claims which was filed almost three years after the issuance of the original patent, no special circumstances having been shown to excuse the delay, the decision was affirmed.

Decision of Assistant Commissioner Fenning.

2. SAME—SAME—SAME—CANCELED CLAIMS REINSTATED.

Where H. canceled his article claims without appeal in response to a requirement to divide, and delayed for three years after issuance of his patent to apply for reissue with broadened claims for the process and with article claims reinstated, alleging poverty as an excuse for failure to appeal from the requirement to divide and stating that while he was willing to handle unimportant applications himself, he knew that divisional and reissue applications required expert skill, and where he did not sufficiently show either poverty or illness during the entire period, *Held* that delay under such circumstances was unjustified.

3. SAME—RESTORATION OF CLAIMS CANCELED FROM ORIGINAL APPLICATION—DELAY.

A claim canceled during the prosecution of a case for the purpose of having the case passed to issue can not be included in a reissue patent, and this is more especially so when there has been an unreasonable delay in applying for the reissue.

Mr. Benjamin Roman for Hernandez, etc.

Mr. T. A. Hostettler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

PER CURIAM:

Appeal from concurrent decisions of the Patent Office tribunals refusing to allow this reissue application with broader claims, it having been filed almost three years after the issuance of the original patent.

[1] The Patent Office tribunals have carefully considered the facts and have found that no special circumstances have been shown to excuse the delay. We concur in this finding. See in re Starkey, 21 App. D. C. 519; in re Ams, 29 App. D. C. 91; and in re Otto, 49 App. D. C. 89.

The decision is affirmed.

Affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case July 10, 1923, is as follows:

This is an appeal from the action of the Examiners in Chief affirming the action of the Primary Examiner in rejecting claims 3, 5, 6, and 7 to 10, inclusive, in an application for reissue filed January 9, 1919, of Patent No. 1,174,144, granted March 7, 1916.

It is admitted that an effort is made here to broaden the claims of the original patent, especially with respect to claims 3, 5, and 6. It will be noted that the application for reissue was filed nearly three years after the issue date of the original patent. The tribunals below have found that there is no sufficient excuse for the delay in filing the application for reissue. I have carefully examined the oath filed here and must concur in that decision. The facts are sufficiently elaborated in the decision of the Examiners in Chief to clearly justify such a holding. Without reiterating and without entirely restating the facts, it may be pointed out that applicant has not sufficiently shown poverty or illness throughout the entire period.

The brief here says:

No direct allegation has been made in this case as to when the applicant first discovered the defects in his patent. The contention rather is that he had already known during the pendency of the original application that divisional applications would have to be filed for the article of manufacture, from the experience which Kenyon & Kenyon had with the Office over the issue of division, and it is presumed that he realized after the issue of his patent that even the claims covering his process were defective and required reissue.

It appears that between the issuance of his patent and the filing of the present application for reissue applicant did file applications for other patents, but the brief states:

... that while he was willing to intrust such unimportant application to his own handling he knew that the divisional and reissue applications, which are of the highest importance, required most expert skill.

[2] I am unable to find any case which justifies delay under such circumstances and must hold that it is unjustified in view of the facts set out in the decision below. It is clear, then, that a broadened reissue can not be granted.

Applicant in his oath states that his reissue application includes all claims which were canceled in the original application. The patent as issued contained only claims for process. Claims 7 to 10 of the reissue application here in issue are directed to the article. During the prosecution of the application which resulted in the original patent applicant was required by the Office to divide and confine his claims either to process or article. He thereupon canceled the article claims and continued the prosecution of process claims. When the article claims were canceled he placed on record a reservation of the right to reinstate claims for the purpose of an appeal to determine the propriety of the requirement for division. The claims were not, however, reinstated, and no appeal was taken with respect to division. Applicant now urges that the reason he did not appeal at that time was poverty. Applicant admits the general rule that claims canceled in the prosecution of a case can not be reinstated in a reissue, and that that general rule might

seem to be sufficient grounds for refusing present claims 7 to 10, but he urges that in the present case his claims were not "canceled on their merits or any ground of unpatentability" or in view of any anticipatory art. He urges then that the general rule does not here apply.

I am unable to find any case in which the present situation has been considered. The general foundation and limitations of reissues are well set forth in *James v. Campbell*, 104 U. S. 356; 18 O. G. 300; and *Miller v. Brass Co.*, 104 U. S. 350; 21 O. G. 201. Of interest in the present case are *Westinghouse Electric Mfg. Co. v. Stanley Electric Mfg. Co.*, 115 Fed. Rep. 810; *Sovereign and Landers v. Lillie*, 1912 C. D. 402; 185 O. G. 830; and *in re Lacroix*, 1908 C. D. 345; 133 O. G. 2181; 30 App. D. C. 299.

[3] It may be that in some cases, at least, a patent for a process may be reissued to include also claims for an article made by the process, so that without so deciding we may assume that applicant's claims 7 to 10 are for the same invention as his original patent. The difficulty in holding that a deliberately-canceled claim was canceled through accident, inadvertence, or mistake is obvious. Applicant seems to have been satisfied with the requirement for division, and his oath here states that his purpose was to file separate divisional applications, but that he was prevented from doing that by poverty. He subsequently changed his purpose; but I think his election indicated by canceling the product claims having once been made must be adhered to. When a patent issues, the public is justified in looking at the record of the application to determine what is covered by the patent. When the public finds in the file of a patent a canceled claim, it is justified in assuming that as far as that patent is concerned the subject matter of the canceled claim has been abandoned and is free to the public. To allow an applicant three years later to retrieve in a reissue that canceled claim is unreasonable and unjust to the public. A claim canceled during the prosecution of a case for the purpose of having the case passed to issue can not be included in a reissue patent, and this is more especially so when there has been, as here, an unreasonable delay in applying for the reissue.

It follows, then, that the rejection of claims 7 to 10 was proper. Applicant has filed here a brief of 92 pages largely taken up with a discussion of alleged errors of the Patent Office connected with the prosecution of the original application and the reissue application. They have been carefully considered, but they do not seem to justify a reissue based upon the present application.

The decision of the Examiners in Chief is affirmed.

IN RE PUPIN.

No. 1844. Decided June 2, 1924.

1. ANTICIPATION—PRIOR PATENT—DIFFERENT PURPOSE.

Where a patent was not only designed for a different purpose, but could not be used for applicant's purpose, *Held* that the patent did not teach the applicant how to overcome his difficulties.

2. INVENTION—INCREASED EFFICIENCY—LESS COST.

Where instead of multiplying the single inductance and large condenser of the prior art the applicant subdivides them and by using five condensers and five inductances or resistances each one-fifth the size of the corresponding element previously employed accomplishes an enormously greater efficiency at a fraction of the cost, *Held* that the law requires that the benefit of the little, if any, doubt as to whether there was invention should be given to the applicant.

Mr. Wesley G. Carr and Mr. W. H. Whitten, Jr., for Pupin.

Mr. T. A. Hostetter for the Commissioner of Patents.

SMITH, J.:

This is an appeal from the decision of the Commissioner of Patents denying the claims of an application for the patenting of new and useful improvements in the electromagnetic production of direct currents without fluctuations which improvements supply means for eliminating fluctuations in the voltage and current caused by the action of the commutator bars of electromagnetic generators.

The application for the patent was filed in the Patent Office on the 31st day of December, 1915, and contained the following claims which the applicant now contends should have been granted:

1. A dynamo electric generator producing unidirectional periodically fluctuating electromotive force and current, in series with an aperiodic pilot conductor made up of unit sections containing reactance and resistance so adjusted as to afford high attenuation power for fluctuations in the generated electromotive force and current.

2. A direct current dynamo electric generator having a commutator and collector brushes, in series with an aperiodic pilot conductor made up of unit sections containing reactance and resistance so adjusted as to have a high attenuation power for fluctuations of the frequency of commutation.

3. A direct current dynamo electric generator having a commutator of relatively large number of commutator segments and designed for rotation at such a speed that the commutation frequency is relatively considerably higher than in ordinary commercial machines of similar type, in series with a pilot conductor made up of unit sections containing reactance and resistance so adjusted as to afford high attenuation power for fluctuations of the frequency of commutation.

4. A direct current dynamo electric generator of the commutator type having a commutation frequency greater than 2,000 p. p. s. in series with a pilot conductor made up of unit sections containing reactance and resistance so adjusted as to afford high attenuation power for fluctuations of the frequency of commutation.

5. A direct current dynamo electric generator having a commutator of a relatively large number of commutator segments and designed for rotation at such a speed that the commutation frequency is relatively much higher than in ordinary commercial machines of similar type, collector brushes operatively associated with said commutator and an aperiodic pilot conductor, electrically connected to said brushes and made up of unit sections of reactance and resistance so adjusted as to have a high attenuation power for fluctuations of the frequency of commutation, each unit section including a reactance electrically connected in series relation with said brushes and a reactance electrically connected in parallel relation with said brushes.

6. A dynamo electric generator producing unidirectional periodically fluctuating electromotive force and current, in series with an aperiodic pilot conductor made up of unit sections of reactance and resistance so adjusted as to afford high attenuation power for fluctuations of the frequency present in the generated electromotive force and current, each unit section comprising a reactance connected in series relation with said electromotive force and a reactance connected in parallel relation with said electromotive force.

The quoted claims were rejected by the Examiner on the ground first, that the combination of the dynamo-electric generator producing unidirectional periodically fluctuating electromotive force with a piloting conductor in series, having a high attenuat-

ing power for fluctuations, was old on reference to Steinmetz and that the large commutator with many segments used by the applicant to produce a smooth uniform current, was disclosed by Van Deventer and differed from that of Steinmetz only in one particular, that the former had a higher commutator frequency which was a difference solely in degree; second, that there was no invention in substituting for the pilot conductor in Steinmetz the several sections of attenuating conductor in Rudenberg inasmuch as Rudenberg states that several of the sections may be connected in series and that his device will annihilate small disturbing waves and will not permit free oscillation because the damping resistance must in itself be of such a value that any natural vibration is suppressed.

The Examiner therefore held that the substitution of several sections of the attenuating conductor of Rudenberg for the pilot conductor of Steinmetz in order to eliminate fluctuations in the work circuit of a direct current generator or in any circuit in which fluctuations were objectionable, was obvious and therefore not invention.

The Examiners in Chief affirmed the decision of the Examiner and on appeal to the Commissioner their decision was affirmed.

Applicant's device comprises a generator of the double-current type having two armature windings each of which is connected with a corresponding commutator. One of the windings is designed to produce a relatively large current and small voltage and the other a relative small current and high voltage. The armatures supply separate load circuits and between each armature and its corresponding load circuit, is inserted a so-called pilot conductor or filter which has for its purpose the suppression or filtering out of the commutator voltage ripples. On the low-voltage side of the generator the pilot conductor consists of a series of connected iron-core inductance coils on the side of the supply circuit and a series of condenser bridges connected in parallel across the supply circuit between the inductance coils. On the high-voltage side of the generator, resistances are substituted for the inductance with the condensers connected in parallel between the resistances. The condensers furnish shunt paths of low impedance to the high-frequency currents caused by the commutator voltage ripples. The inductance coils offer relatively high impedance to the flow of such high-frequency currents on the low-voltage side and the resistances accomplish a similar result for the high-voltage side thereby practically taking up the fluctuations in voltage and suppressing the commutator pulsations.

In sound-reproducing systems the desired sound is produced by intentionally causing fluctuations in the electrical current. Fluctuations other than those intentionally produced result in an objectionable hum which blurs the communication and impairs the usefulness of such systems. To avoid the hum, electric current for telephones is usually supplied by batteries which are in large measure free of unintentional fluctuations.

The device of the applicant made it feasible to substitute for the batteries a dynamo, which, although more convenient, was not favored because its commutator was divided into segments and each segment in turn produced an undesirable fluctuation. Evil as is commutator hum in a telephone, it is accentuated in radio sets having vacuum tubes and is more difficult to suppress. Whatever may be said therefore as to invention there can hardly be any question as to the utility of applicant's combination.

Steinmetz in his 1909 edition of "Theory and Calculation of Transient Electric Phenomena and Oscillations," published a mathematical formula for the suppression of pulsations in direct-current circuits by series inductance and shunted capacity. In relation to that formula Steinmetz made use of the following language:

In cases where from a source of e. m. f. eo, which contains a slight high frequency pulsation—as the pulsation corresponding to the commutator segments of a commutating machine—a current is desired showing no pulsation whatever, as for instance for the operation of a telephone exchange, a very high inductive reactance in series with the circuit, and a condenser reactance in shunt therewith, entirely eliminates all high frequency pulsations from the current, passing only harmless low frequency pulsations at a greatly reduced amplitude.

The formula of Steinmetz contemplated a single inductance and a large condenser instead of a series of smaller inductances and condensers which is the feature of appellant's device. Notwithstanding the fact that Steinmetz was the recognized leader of mathematicians in the electrical engineering profession, his mathematical equations and his discussion of them indicate no actual structure whatever unless a purely conventional figure to which the mathematical calculations relate can be so considered. Steinmetz's mathematical calculations unquestionably opened a new field for inventive thought by establishing that a high inductive reactance in series with the circuit and a condenser reactance in shunt therewith, would eliminate all high frequency pulsations from the current and pass only harmless low frequency pulsations at a greatly reduced amplitude. Theoretically, the problem was solved. Practically the solution was of no avail inasmuch as it required for the efficient suppression of undesirable fluctuations a single inductance and a single condenser of such size and cost as to bar its use by industry.

The applicant's device is a series of five small condensers and five small inductances or five small resistances which may be contained in a shoe box. The five sections with a capacity of 15 microfarads, would cost less than \$20.00 and would nevertheless be 40,000 times as effective as a Steinmetz device of the same size and substantially the same cost. To secure with a Steinmetz single-unit filter the same diminution in commutator hum as that obtained by applicant's five-section filter, would require a single condenser costing more than \$300,000, and having an electrical capacity of 600,000 microfarads.

The applicant does not multiply the device of Steinmetz. He subdivides it, and by using five

condensers and five inductances or resistances each one-fifth the size of the corresponding element employed by Steinmetz, accomplishes an enormously greater efficiency at an enormously less cost.

[1] The contention that the Rudenberg patent taught the applicant how to conquer by subdividing, can not be sustained. That patent was designed to protect an alternating-current line from the surges caused by sudden abnormal changes in electrical conditions and could not be used for the purpose of eliminating objectionable regularly-repeated small fluctuations or ripples from a direct current circuit.

The Rudenberg apparatus is a lightning arrester and was devised to meet an electrical problem entirely different from that contemplated either by Steinmetz or Pupin. The condensers of the lightning arrester are necessarily costly high-voltage condensers having an electrical capacity of a few hundredths of a microfarad, whereas the condensers of the appellant are cheap low-voltage condensers with an electrical capacity approximately a few hundred times greater than those of Rudenberg. The Rudenberg apparatus, moreover, admittedly has no material influence on a low-periodicity working current and as it would permit such a current to pass through it substantially unimpeded, it would apparently be of little use in removing unwelcome fluctuations from a direct-current line.

Rudenberg suggests the multiplication of his device for greater protection against sudden abnormal surges. The applicant does not multiply the device of Steinmetz, but subdivides it, and thereby at an insignificant cost secures a capacity hundreds of times greater than that required for the lightning arrester and an attenuating effect thousands of times greater than that produced by the inductance coil and condenser of Steinmetz.

The coadjutant components of appellant's filter must be properly proportioned in order to provide the attenuating power required by the commutation frequency, and the applicant discloses a method of determining such proportions which is not suggested by Rudenberg or Steinmetz. The method of computation taught by Rudenberg is directed to a problem entirely different from that which confronted the appellant.

Van Deventer disclosed nothing more than that the generator intended for use in telephone central stations would deliver a smoother current if it had a larger commutator with many segments. He disclosed no filter and it can not be said that he anticipated the applicant because the applicant combines his filter with a generator having a large number of segments in its commutator.

We can not hold that after Steinmetz's disclosures appellant's apparatus became obvious to any one skilled in the art. To say that, would simply mean that faced by a crying need for a device which would remove the objectionable hum from sound-reproducing systems, inventors of electrical appliances and those skilled in the art, were blind to the aggressively apparent for more than six years after the announcement of the Steinmetz formula.

Problems which vex the brain for many a weary hour and many a weary year, become obvious to all the world once they are solved, but their obviousness after the fact does not necessarily prove their obviousness before the fact.

[2] A careful study of the record on appeal leaves but little if any doubt in our minds as to whether there was invention in this case, but if we had any doubt, settled law requires that the benefit of it should be given to the applicant.

The decision of the Commissioner must be reversed.

IN RE MALOCSAY.

No. 1,619. Decided June 2, 1924.

ANTICIPATION—CLAIM NOT SUFFICIENTLY SPECIFIC.

Where the invention, if any, lies in properly marking the graduations on a dial for indicating that there is not sufficient power in a phonograph spring motor to play another record, and one of the references has everything except the specific markings of the applicant, the Commissioner's decision that a claim which omits those markings is not distinguishable from that reference, affirmed.

Mr. H. H. Benjamin and Mr. John L. Lotsch for Malocsay.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before ROBB and VAN ORSDER, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

PER CURIAM:

Appeal from a decision of the Patent Office refusing a claim for patent. The claim is self explanatory and reads as follows:

15. In a phonograph, a record carrier, a spring motor therefor, and means controlled by the extent of rotation of the record carrier for calling attention to the fact that there is not sufficient spring power to play another record.

The Examiners in Chief resolved the doubt they entertained as to two other claims in applicant's favor, and accordingly reversed the Examiner as to those claims, they being more specific than the claim here in issue, which they disallowed. The Assistant Commissioner affirmed the Board as to this claim, on the ground that the substance of the invention, if any, lies in properly marking the graduations on the dial, and that as Glass (one of the references) has everything except the specific markings of applicant, the claim is not distinguishable from that reference.

For the reasons more fully stated by the Board and the Assistant Commissioner, the decision is affirmed.

Affirmed.

ADJUDICATED PATENTS.

(D. C. Mass.) The Krentler patent, No. 842,319, for shoe last, Held not infringed. *Krentler-Arnold Hinge Last Co. v. Belcher*, 300 Fed. Rep. 834.

(D. C. Mass.) The Carl patent, No. 969,244, for shoe last, claim 1 Held void for lack of invention. *Krentler-Arnold Hinge Last Co. v. Belcher*, 300 Fed. Rep. 834.

(D. C. Mass.) The Peterson patent, No. 1,195,206, for shoe last, Held valid and infringed. *Krentler-Arnold Hinge Last Co. v. Belcher*, 300 Fed. Rep. 834.

(D. C. N. Y.) The Campbell patents, Nos. 1,222,358 and 1,241,090, for improvements in metal windows, Held valid and infringed. *Campbell Metal Window Corporation v. S. H. Pomeroy & Co.*, 300 Fed. Rep. 872.

(D. C. N. Y.) The Hammond patent, No. 1,296,182, for instrument board for automobiles, Held void for lack of invention and, if valid, not infringed. *Hammond v. Marmon Automobile Co. of New York*, 300 Fed. Rep. 803.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

833,070, L. P. Lowe, Apparatus for making gas; 882,764, same, Process of making gas, suit filed June 19, 1920, D. C., N. D. Calif. (S. Div.), Doc. E 550, *L. P. Lowe v. Pacific Gas & Electric Co.* Decree entered Sept. 30, 1924, holding both patents invalid.

879,532, L. de Forest, Space telegraphy, suit filed Sept. 26, 1924, D. C. Del., Doc. E 553, *De Forest Radio Telephone & Telegraph Co. v. Radio Corp. of America*.

882,764. (See 833,070.)

891,163, H. L. Guenther, Can capping and compressing machine; 1,440,143, same, Seaming head for double-seaming machines, suit filed Oct. 2, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1348, *Angelus Sanitary Can Machine Co., Inc. v. H. G. Prince & Co.*

912,712, H. M. Murphy, Air-brake apparatus, suit filed Sept. 26, 1924, D. C., S. D. N. Y., Doc. E 30/176, *Norden Co., Inc. v. Picadilly Holding Co. et al.*

958,478, W. D. Davey, Process of reenforcing trees, bill dismissed for want of prosecution Oct. 7, 1924, D. C., S. D. Ohio (W. Div.), Doc. E 297, *The Davey Tree Expert Co. v. Grant & Starling*.

962,790, A. F. Shore, Scleroscope, consent order of discontinuance filed Oct. 3, 1924, D. C., S. D. N. Y., Doc. E 26/10, *The Shore Instrument Mfg. Co. v. The Fenlind Corp.*

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes, suit filed Oct. 1, 1924, D. C., S. D. N. Y., Doc. E 30/184, *General Electric Co. v. Five Seas Trading Corp. et al.*

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes; 1,180,159, I. Langmuir, Incandescent electric lamp, final decree sustaining patents, adjudging infringement upon all claims of 1,018,502 and claims 4, 5, 12, and 13 of 1,180,159, and claims 24 to 34 of 1,082,933, and granting per-

petual injunction filed Oct. 3, 1924, D. C., S. D. N. Y., Doc. E 29/44, *General Electric Co. v. Luna Lamp Co., Inc.*

1,050,216, C. Holl, Ring fabric, suit filed Jan. 28, 1922, D. C., S. D. N. Y., Doc. E 23/73, *Chas. Holl v. E. Belline*. Final decree dismissing complaint filed Mar. 7, 1924.

1,065,668, G. W. Dunham, Automobile; 1,202,441, C. W. Small, Protective mat for use with automobiles, suit filed Sept. 26, 1924, D. C. Ind., Doc. 835, *Durkee Atwood Co. v. Thomas Auto Top Co.*

1,072,743, Laufenburg & Pearson, Engine-supporting frame; 1,283,588, J. H. Staley, Workman's stand for gas engines; 1,469,734, same, Motor stand, final decree holding Patent 1,283,588 valid and infringed; Patents 1,072,743 and 1,469,734 not infringed, D. C. Ind., Doc. 801, *J. H. Staley et al. v. Stutz Motor Car Co. et al.* (Notice filed Sept. 30, 1924.)

1,082,933. (See 1,018,502.)

1,160,666. (See 1,373,069.)

1,180,159. (See 1,018,502.)

1,202,441. (See 1,065,668.)

1,261,692, W. R. Buxton, Key case, suit filed Feb. 6, 1922, D. C., S. D. N. Y., Doc. E 23/102, *Buxton, Inc. v. A. Felder et al. (Felder Bros.)*. Order dismissing action for want of prosecution filed Sept. 24, 1924.

1,262,860. (See 1,263,138.)

1,263,138, 1,262,860, S. B. Smith, Incubator, suit filed Oct. 1, 1924, D. C. Kans., (1st Div.), Doc. 677 N, *The Buckeye Incubator Co. v. C. Jones*.

1,264,286, Weaver & Uebele, Holder for tire casings, etc., final decree holding patent invalid for want of invention and for anticipation entered Sept. 29, 1924, D. C., S. D. Ohio (W. Div.), Doc. E 305, *American Can Co. v. W. Doering et al. (Doering Bros.)*.

1,273,022, Ashmore & Morgan, Process and device for finishing concrete pavements, suit filed Apr. 7, 1924, D. C. Del., Doc. E 540, *Macon Concrete Roller Co. v. Sandige & Townsend, Jr. (A. B. Sandige & Co.)*. Final decree entered Oct. 2, 1924, adjudging patent valid and infringed.

1,279,481. (See 1,373,069.)

1,283,588. (See 1,072,743.)

1,296,182, W. P. Hammond, Glass-covered dashboard for automobiles, suit filed Nov. 22, 1921, D. C., S. D. N. Y., Doc. E 22/278, *W. P. Hammond v. Marmon Automobile Co. of New York*. Final decree adjudging claims 1, 2, and 3 invalid, that defendant has not infringed, and dismissing bill filed Sept. 29, 1924.

1,329,517, R. B. Fageol, Bumper for motor vehicles; 1,427,275, same, Automobile bumper, final decree dismissing bill; court holds plaintiff's license terminated before commencement of suit (notice dated Oct. 20, 1924.), D. C., W. D. Mich. (S. Div.), Doc. 1992, *Automotive Products Corp. et al. v. Wolverine Bumper & Specialty Co.*

1,353,750, K. Heitler, Garment protector, suit filed Nov. 3, 1922, D. C., S. D. N. Y., Doc. E 25/80, *K. Heitler et al. v. I. B. Kleinert Rubber Co. et al.* Order dismissing bill on stipulation of parties, that the opinion in 295 Fed. Rep. 333 be adopted as the opinion of the court, filed Sept. 25, 1924.

1,373,009, D. E. Hennessy, Elevating truck, and (1,160,666, W. Stuebing, Jr., Truck; Re. 14,839, 1,279,481, 1,381,515, same, Lifting truck, inserted by counterclaim June 18, 1921), suit filed Apr. 30, 1921, D. C., S. D. Ohio (W. Div.), Doc. E 227, *Coican Truck Co. v. The Stuebing Truck Co.* Interlocutory decree Oct. 3, 1924, holding patent 1,373,069 valid and infringing, particularly claims 33 and 34, counterclaim dismissed.

1,381,515. (See 1,373,069.)

1,397,274, M. Firman, Lighting fixture, suit filed Jan. 9, 1922, D. C., S. D. N. Y., Doc. E 23/19, *Edison Fixture Co., Inc. v. Superior Electric Fixture & Appliance Co.* Order dismissing action for want of prosecution filed Sept. 24, 1924.

1,410,985, R. M. Beard, Electric-lighting fixture, order dismissing action for want of prosecution filed Sept. 12, 1924, D. C., S. D. N. Y., Doc. E 23/287, *R. M. Beard et al. v. Planellite Co., Inc., et al.*

1,427,275. (See 1,329,517.)

1,440,143. (See 891,163.)

1,440,738, N. B. Lundahl, Dashboard-lamp cap, suit filed Sept. 26, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1287, *Rainbo Accessories Co. et al. v. The Perfection Auto Parts Co. et al.*

1,447,001, F. J. Winchell, Shank reenforces, suit filed Oct. 1, 1924, D. C. Mass., Doc. E 2009, *H. G. Josephson v. Parkman-Farnsworth Lamp Co.*

1,447,703, F. G. Whittington, Automobile bumper, decree on final hearing dismissing bill (notice dated Sept. 30, 1924), D. C., W. D. Mich. (S. Div.), Doc. 2004, *Stewart-Warner Speedometer Corp. v. E. F. Roche*. Same, Doc. 1985, *Stewart-Warner Speedometer Corp. v. New Era Spring & Specialty Co.* Same, Doc. 1986, *Stewart-Warner Speedometer Corp. v. Wolverine Bumper & Specialty Co.*

1,469,734. (See 1,072,743.)

1,507,711, Pollock & Horn, Process of making plastic articles, suit filed Sept. 27, 1924, D. C., S. D. N. Y., Doc. E 30/179, *Inter-Ocean Radio Corp. v. Racon Electric Co., Inc.* Same, suit filed Sept. 9, 1924, D. C., S. D. N. Y., Doc. E 30/181, *Inter-Ocean Radio Corp. v. J. Gelbman (The Best Radio Horn Mfg. Co.)*. Final consent decree sustaining patent, adjudging infringement upon claims 1 and 2, and granting injunction filed Oct. 7, 1924. Same, suits filed Oct. 7, 1924, D. C., S. D. N. Y., Doc. E 30/189, *Inter-Ocean Radio Corp. v. Belltone Radio Corp.* Same, Doc. E 30/190, *Inter-Ocean Radio Corp. v. C. Brandes, Inc.* Same, Doc. E 30/191, *Inter-Ocean Radio Corp. v. Mercury Radio Corp.* Same, Doc. E 30/192, *Inter-Ocean Radio Corp. v. Globe Radio Horn Corp.* Same, suit filed Oct. 11, 1924, D. C., S. D. N. Y., Doc. E 30/197, *Inter-Ocean Radio Corp. v. Macy Mfg. Corp.*

Re. 14,781, R. M. Beard, Electric-light fixture, suit filed Feb. 8, 1922, D. C., S. D. N. Y., Doc. E 23/109, *R. M. Beard et al. v. Planellite Co., Inc., et al.* Order dismissing case for want of prosecution filed Sept. 12, 1924.

Re. 14,839. (See 1,373,069.)

Des. 58,690, C. H. Seymour, Store front, suit filed Jan. 20, 1922, D. C., S. D. N. Y., Doc. E 23/59,

National Drug Stores Corp. v. Sant Drug Stores, Inc. Order dismissing action for want of prosecution filed Sept. 24, 1924.

Des. 59,534, A. Barchoff, Handle for trays or similar articles, suit filed Sept. 26, 1924, D. C., S. D. N. Y., Doc. E 30/175, *A. Barchoff v. S. Silverman et al. (Modern Brass Novelty Co.)*.

Notices of Cancellation.

U. S. PATENT OFFICE, Washington, Oct. 17, 1924.

Nachem Jakobs, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Genuine Haarlem Oil Manufacturing Co., of 116 Beekman Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Nachem Jakobs, % Netherlands Haarlem Oil Manufacturing Co., 708 Harrison Building, Philadelphia, Pa., No. 173,325, dated September 25, 1923, and the notice of such proceeding sent by registered mail to the said Nachem Jakobs at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Nachem Jakobs, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

Penn Textile Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Eddystone Manufacturing Company, Eddystone, Pa., to effect the cancellation of the trade-mark registration of the Penn Textile Company, 102 Fifth Avenue, New York, N. Y., No. 148,915, dated November 20, 1921, and the notice of such proceeding sent by registered mail to the said Penn Textile Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Penn Textile Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

J. Forney Draper & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James Graham, of No. 535 Fourth Street, Milwaukee, Wis., to effect the cancellation of the trade-mark registration of J. Forney Draper & Co., of Albia, Iowa, No. 40,356, dated May 12, 1903, and the notice of such proceeding sent by registered mail to the said J. Forney Draper & Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said J. Forney Draper & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Disclaimer.

1,392,436.—*Harry D. Morton, Detroit, Mich. METHOD OF AND APPARATUS FOR ARC-WELDING.* Patent dated October 4, 1921. Disclaimer filed October 29, 1924, by the assignee *Automatic Arc Welding Company*.

Hereby enters this disclaimer to claim 7 in said specification, which is in the following words, to wit:

"7. In a metallic electrode arc welding apparatus, means for continuously feeding a welding strip toward the work, and an over-compounded generator for controlling the relation between the rate of fusion and the rate of feed."

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 11, 1924.

[Vol. 328. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 122,737. (CLASS 38. PRINTS AND PUBLICATIONS.) *THE STOPSHOK WHEEL CO., INC.*, Indianapolis, Ind. Filed Sept. 15, 1919.



Particular description of goods.—Circulars Published Semiannually.

Claims use since September, 1917.

Ser. No. 144,578. (CLASS 39. CLOTHING.) *MERIT BABY WEAR CO.*, New York, N. Y. Filed Mar. 10, 1921.



The pictorial representation of the infant's sleeping garment which appears on the drawing is disclaimed apart from the mark shown. The representation of both the baby and the woman disclosed and used in connection with this are fanciful and not portraits of living persons.

Particular description of goods.—Infants' Sleeping Garments.

Claims use since Nov. 20, 1920.

Ser. No. 157,388. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) *TUBULAR HEATING & VENTILATING COMPANY*, Philadelphia, Pa. Filed Dec. 31, 1921.

MASTER

Trade-mark consists of the word "Master."

Particular description of goods.—Warm-Air Furnaces (Pipe and Pipeless).

Claims use since Nov. 1, 1918.

Ser. No. 163,219. (CLASS 39. CLOTHING.) *JACOBS HAT AND CAP WORKS*, Portland, Oreg. Filed May 2, 1922.

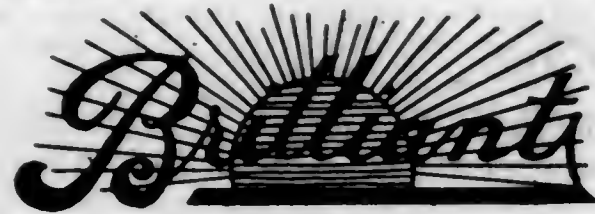


The representation of a cap and the word "Cap" are hereby disclaimed apart from the mark as shown.

Particular description of goods.—Men's Hats and Caps.

Claims use since Mar. 30, 1922.

Ser. No. 163,777. (CLASS 39. CLOTHING.) BAILLIANT SILK HOSIERY CO., Bloomfield, N. J. Filed May 13, 1922.



Particular description of goods.—Hosiery.
Claims use since Nov. 1, 1921.

Ser. No. 167,632. (CLASS 2. RECEPTACLES.) THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Carafes, Jugs; Coffee, Tea, Chocolate, and Beverage Pots and Pitchers; Flasks, Bottles, Jars, Marmites; Tankards; Containers for Solid, Liquid, and Viscous Foods; Liquid-Air Containers and Fillers Insulated for Resisting Change of Temperature of Contents, Casings and Cups for the Same; Shipping Cases; Linings, Separators, Cushions, and Plugs Used in or with Heat-Insulated Vessels; Milk and Food Cans; Supports, Brackets, Stands, Handles, Holders, and Trays for Receiving or Holding Carafes, Jugs, Pots, Pitchers, Flasks, Bottles, Jars, and Cups; Luncheon Cases and Carrying Cases for Heat-Insulated Bottles and Jars, Salt Shakers and Pepper Shakers; Hampers, Bags, Baskets, and Receptacles for Luncheon Equipments, Including Heat-Insulated Vessels and Household and Serving Goods and Utensils; Plates and Dishes of Cardboard, Paper, Straw Board, and Other Fibrous Materials; Flat Bottles of Metal and Other Materials, Metal Heat-Insulated Bottles, and Inverted Heat-Insulated Dispensing Vessels.

Claims use for flasks, bottles, jars, fillers, containers for solid, liquid, and viscous foods, liquid-air containers, shipping cases, casings, and cups, and linings, separators, cushions, and plugs, since Apr. 1, 1908; for carafes since Feb. 1, 1911; for supports, brackets, stands, handles, holders, and trays since Sept. 1, 1912; for jugs, pots, and pitchers, tankards, salt shakers and pepper shakers, and for hampers and baskets, and for plates and dishes since Jan. 1, 1913; for sportsmen's and tourists' kits, and food cases and kits, bags, and receptacles, since Mar. 1, 1913; for flat bottles since Nov. 1, 1914; for metal heat-insulated bottles since Nov. 1, 1915; for inverted heat-insulated dispensing vessels since July 1, 1917; and for milk and food cases and marmites since Aug. 15, 1917.

Ser. No. 167,633. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Lunch Boxes, Luncheon Cases, Carrying Cases, Lunch Cases and Kits, School Cases and Kits, Beverage Cases and Kits, Sportsman and Tourist Kits, and Food Cases and Kits, Motor

Restaurants, Running-Board Restaurants, Auto Outfits and Trunks, All Being Boxes, Cases, Kits, or Containers, Respectively, for Foods or Beverages, or for Receptacles to Contain Foods or Beverages, or for Dishes, Utensils, Knives, Forks, Spoons, or Other Implements or Articles Employable in Connection with the Preparing or Partaking of Foods or Beverages, or Any of the Same.

Claims use since Jan. 1, 1909, for lunch boxes, luncheon cases, and carrying cases, and since Mar. 1, 1913, for lunch cases and kits, school cases and kits, beverage cases and kits, sportsman and tourist kits, and food cases and kits, and for motor restaurants, running-board restaurants, auto outfits, and trunks.

Ser. No. 172,177. (CLASS 32. FURNITURE AND UP-HOLSTERING.) F. O. SCHÖRDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Metal Furniture—Namely, Cabinets, Dressing Tables, Chiffoniers, Dressers, Wardrobes, Household Tables, Lockers, Shelves, Stands, Desks, Racks, Household Chairs, Screens, Window Shades, Stools, Hospital Reception-Room Benches, Couches, Washstands, Bassinets, Bedsteads, Mattresses, Back Rests, Costumers, and Cribs.

Claims use since Oct. 1, 1921.

Ser. No. 173,273. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Dec. 13, 1922.

TILE-TITE

Particular description of goods.—Asphalt Felt.
Claims use since 1912.

Ser. No. 177,430. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALFRED E. DRAKE, Los Angeles, Calif. Filed Mar. 14, 1923.

MILAC

Particular description of goods.—Radiator Guards, Radiator Caps, and Bumpers.
Claims use since Feb. 15, 1923.

Ser. No. 179,219. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEON A. OLMSTED, doing business as Vim Chain Stores, Chicago, Ill. Filed Apr. 16, 1923.



The words "Athletic Goods" appearing on the mark are disclaimed.

Particular description of goods.—Striking Bag, Racket Cover; Balls—Namely, Hand, Foot, Tennis, Base, Association, Basket, Indoor, Volley, Medicine, Indoor-Outdoor, Park, Push, and Pastime; Poker Chips, Basket-Ball Goal, Bladder Inflator, Dice Cup, Dice, Bladder, Baseball Glove, Boys' Boxing Gloves, Men's Boxing Gloves, Fighters' Boxing Gloves, Baseball Mask, Baseman's Mitts, Body Protector, Catchers' Mitts, Striking-Bag Mitts, Tennis Marking Tape, Tennis Net, Striking-Bag Platform, Spring Exerciser, Tennis Racket, Racket Press, Racket Strings, Ice and Roller Skates, Striking-Bag Swivel, Whistles, Bait Box, Trout Creel, Trout Flies, Dry Flies, Gut Leader, Silk Fishline, Silk Enameled Fishline, Landing Fish Net, Trout-Line Reel, Trout Fly Rod, Fishline Sinkers, Trout Fly Spinner, Trout Fly Bucktail Spoon Hook, Tackle Box, Rod Box, Minnow Bucket, Bucktail Treble Hook, Casting Rig, Rubber Cricket Hook, Rubber Crab Hook, Bucktail Treble Gang Hook, Musky Bucktail, Musky Weedless Bucktail Hook, Cork Float, Frog Harness, Weedless Hooks, Weedless Spinner, Double Weedless Spinner, Weedless Treble Hooks, Ringed Hooks, Snelled Hooks, Tandem Spinner Hook, Frog Tandem Hook, Fly Spinner Hook, Wire Hook Leader, Set Fish Lines, Trolling Lines, Fish Lines, Fish Casting Line, Artificial Fish Baits, Minnow Dip Nets, Folding Landing Nets, Floating Live Net, Preserved Minnows, Pork Rind, Fishing Reels, Casting Rods, Minnow Seine, Fishline Snap and Swivel, Fish Spoon Hook, Fish Casting Spinner, Fish Casting Spoon, Fish Stringer, Athletic Ankle Support, Athletic Kneecap Support, Athletic Wrist Support, and Minnow Traps.

Claims use since Dec. 15, 1922.

Ser. No. 180,197. (CLASS 39. CLOTHING.) STYLE-ARCH SHOE CO., Cincinnati, Ohio. Filed May 4, 1923.

STYLE-ARCH

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Any Combination of the same.
Claims use since Feb. 1, 1923.

Ser. No. 180,594. (CLASS 39. CLOTHING.) EMPIRE SHIELD COMPANY, New York, N. Y. Filed May 14, 1923.



No claim is made to the words "Trade-Mark" apart from the mark shown on the drawing.

Particular description of goods.—Step-Ins and Bloomers.

Claims use since Apr. 15, 1923.

Ser. No. 181,859. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTISCHE ANSTALT C. P. GOERZ AKTIENGESELLSCHAFT, Berlin-Friedenau, Germany. Filed June 11, 1923.



No claim is made to the name "C. P. Goerz" apart from the mark shown in the drawing, no common-law rights in the name "C. P. Goerz" being hereby disclaimed.

Particular description of goods.—Photographic Hand Cameras and Stand Cameras, Enlarging Apparatus, Projecting Lanterns, Cinematographs, Apparatus for Three-Color Photography, Photographic Objectives, Objective Holders, Camera Fittings for Telephotography, Photographic Shutters, Exposure Timers, Apparatus for Measuring Shutter Speed, Photometers, Photographic Range Finders, Single Slides, Double Slides, Change Slides, Film Boxes, Magazines, Backs, Daylight Change Boxes, Plate Magazines, Wooden and Metal Stands for Photographic Cameras, Devices for Focusing Photographic Apparatus, Bellows for Photographic Cameras, Screens and Light Filters for Photographic Exposure, Sensitized Plates, Dry Plates, Flat Films and Roller Films, Three-Color Films, Sensitized Photographic Paper, Plate Holders, Film Holders, Photographic-Film Reels, Film Boxes for Photographic Cameras, Polarizers, Refractometers, Thermometers, Barometers, Hydrometers, Balances, Sound-Analyzing Devices, Photographic Developing Apparatus, Photographic Fixing Apparatus, Photographic Washing Apparatus, Photographic Drying Apparatus, and Photographic Retouching Apparatus, Photographic Copying Apparatus, Exposing Devices and Developing Devices for Plates and Films, Photographic Printing Devices, Lighting Devices and Apparatus for Printing Devices for Enlarging and Projecting Cameras and for Dark-Room Use, Collecting Boxes for Photographic Negatives and Positives, Photographers' Working Chests, Illuminating Lenses, Condensers, Collimators, Portable Dark Rooms, Prisms, Lenses, Magnifying Glasses, Levels, Telescopes, Opera Glasses, Field Glasses, Compasses, Telemeters, Theodolites, Sextants, Levelling Instruments,

Spectroscopes, Microscopes, and Stereoscopes, Spectacle Glasses, Photographic Lenses, Telescopic Lenses, Projecting Lenses, Telescopic Gun Sights and Bomb-Dropping Sights, Sights for Rifles and Cannon, Eclimeters, Surveying Instruments, and Barographs, Thermographs, Altimeters, Speedometers, Optic Mirrors, Ordinary Aviators' and Other Goggles, Callipers, Micrometer Screws, and Vernier Gauges, Sliding Gauges, Gauges and Standards of All Kinds, Gauge Blocks, Screw-Thread Comparators, Setting-Out Tables and Rollers for Aviation Figures and Clinometers.

Claims use since July 11, 1908.

Ser. No. 181,860. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTISCHE ANSTALT C. P. GÖRZ AKTIENGESELLSCHAFT, Berlin-Friedenau, Germany. Filed June 11, 1923.



Particular description of goods.—Photographic Hand Cameras and Stand Cameras, Enlarging Apparatus, Projecting Lanterns, Cinematographs, Apparatus for Three-Color Photography, Photographic Objectives, Objective Holders, Camera Fittings for Telephotography, Photographic Shutters, Exposure Timers, Apparatus for Measuring Shutter Speed, Photometers, Photographic Range Finders, Single Slides, Double Slides, Change Slides, Film Boxes, Magazines, Backs, Daylight Change Boxes, Plate Magazines, Wooden and Metal Stands for Photographic Cameras, Devices for Focusing Photographic Apparatus, Bellows for Photographic Cameras, Screens and Light Filters for Photographic Exposure, Sensitized Plates, Dry Plates, Flat Films and Roller Films, Three-Color Films, Sensitized Photographic Paper, Plate Holders, Film Holders, Photographic-Film Reels, Film Boxes for Photographic Cameras, Polarizers, Refractometers, Thermometers, Barometers, Hydrometers, Balances, Sound-Analyzing Devices, Photographic Developing Apparatus, Photographic Fixing Apparatus, Photographic Washing Apparatus, Photographic Drying Apparatus, and Photographic Retouching Apparatus, Photographic Copying Apparatus, Exposing and Developing Devices for Plates and Films, Photographic Printing Devices, Lighting Devices and Apparatus for Printing Devices for Enlarging and Projecting Cameras and for Dark-Room Use, Collecting Boxes for Photographic Negatives and Positives, Photographers' Working Chests, Illuminating Lenses, Condensers, Collimators, Portable Dark Rooms, Prisms, Lenses, Magnifying Glasses, Levels, Telescopes, Opera Glasses, Field Glasses, Compasses, Telemeters, Theodolites, Sextants, Levelling Instruments, Spectroscopes, Microscopes, and Stereoscopes, Spectacle Glasses, Photographic Lenses, Telescopic Lenses, Projecting Lenses, Telescopic Gun Sights and Bomb-Dropping Sights, Sights for Rifles and Cannon, Eclimeters, Surveying Instruments, and Barographs, Thermographs, Altimeters, Speedometers, Optic Mirrors, Ordinary Aviators' and Other Goggles, Callipers, Micrometer Screws, and Vernier Gauges, Sliding Gauges, Gauges and Standards of All Kinds, Gauge Blocks, Screw-Thread Comparators, Setting-Out Tables and Rollers for Aviation Figures and Clinometers.

Claims use since Aug. 19, 1922.

Ser. No. 183,433. (CLASS 12. CONSTRUCTION MATERIALS.) CIMENTERIES ET BRIQUETERIES RÉUNIES DE BONNE ESPÉRANCE, RAUELS ET LOËN, STE. AME, Antwerp, Belgium. Filed July 19, 1923.



The words "Portland Cement," "Antwerp," and "Brand" are hereby disclaimed.

Particular description of goods.—Cements.

Claims use since October, 1899.

Ser. No. 184,133. (CLASS 39. CLOTHING.) EDWARD L. ILSON, New York, N. Y. Filed Aug. 6, 1923.



Particular description of goods.—Men's and Boys' Outer Suits, Coats, and Pants; Women's and Children's Coats, Suits, and Dresses; Women's Hats, Caps, and Scarfs; Men's, Women's, and Children's Knitted Socks and Stockings; Underwear comprising Shirts, Drawers, Walsts, Union Suits; Sweaters; Infants' Coats, Dresses, Bands, Vests; Women's and Girls' Walsts; Men's and Boys' Work and Dress Shirts.

Claims use since June, 1922.

Ser. No. 184,323. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACOB BROWN, doing business as The Atoz Packing Co., Newark, N. J. Filed Aug. 11, 1923.

ATOZ

Particular description of goods.—Metallurgic Packing for Machinery.

Claims use since July 19, 1923.

Ser. No. 184,390. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CORTICELLI SILK COMPANY, Florence, Northampton, Mass. Filed Aug. 13, 1923.

Satin Patria

Trade-mark "Satin-Patria." Applicant hereby disclaims the exclusive use of the word "Satin" apart from the mark shown in the drawing.

Particular description of goods.—Silk, Worsted, and Cotton Broad Goods in the Piece.

Claims use since about Apr. 3, 1917.

Ser. No. 185,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A/S EINAR HAUSVIK & CO., Bergen, Norway. Filed Sept. 6, 1923.



The exclusive use of all the wording with the exception of the word "Tiller" and applicant's name appearing on the drawing being disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Canned Sardines.

Claims use since 1912.

328 O. G.—18

Ser. No. 185,443. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Sept. 7, 1923.

CENCO

Particular description of goods.—Weighing Scales, Barometers, Pressure Gauges, Titration Apparatuses, Hydrogen-Ion-Determination Apparatus, Light Measuring Apparatus, Surface Tension Apparatus, Laboratory Distillation and Extraction Apparatus, Air-Liquefying Apparatus, Thermal Measuring and Recording Apparatus, Laboratory Racks, Laboratory Clamps and Supports, Burner Stands and Burners, Electric Meters, Electric Water Baths for Use in Physical Chemistry Laboratories, Electric-Light-Projection Apparatuses for Scientific Optical Tests and Picture Projection, Electric Flask Heaters for Laboratory Use, Electric Titration Apparatus, Graduated Fluid Measures for Specific-Gravity Work, and Containers and Apparatus for Demonstrating Hydrostatic Pressure.

Claims use since April, 1906.

Ser. No. 186,446. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Oct. 1, 1923.

NARCE

Particular description of goods.—Perfumes and Toilet Waters.

Claims use since Sept. 13, 1923.

Ser. No. 186,585. (CLASS 39. CLOTHING.) WILLIAM CARROLL & COMPANY, INC., New York, N. Y. Filed Oct. 5, 1923.

INNER CIRCLE

Particular description of goods.—Hats and Caps for Men, Women, and Children.

Claims use since Aug. 1, 1922.

Ser. No. 187,471. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MARTHA H. LEWIS, doing business as Martha Lewis Fruit Products Company, Denver, Colo. Filed Oct. 25, 1923.



Particular description of goods.—Nonalcoholic, Maltless, Liquid Compound for Soft Drinks.

Claims use since January, 1923.

Ser. No. 189,071. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RALPH V. REYNOLDS, Chicago, Ill. Filed Nov. 30, 1923.



Applicant disclaims the exclusive right to the representation of the goods and the word "Multihook" except in connection with the mark as shown. This is not to be construed, however, as a waiver of applicant's common-law rights therein.

Particular description of goods.—Hanger or Rack.
Claims use since November, 1922.

Ser. No. 189,852. (CLASS 37. PAPER AND STATIONERY.) HORWITZ BROTHERS, Elmira, N. Y. Filed Dec. 18, 1923.



No claim is made to the exclusive use of the words "Toilet Tissue" and "1000 Sheets" apart from the mark shown on the drawing.

Particular description of goods.—Toilet Paper.
Claims use since Jan. 1, 1920.

Ser. No. 190,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELL CHEMICAL CO., Chicago, Ill. Filed Dec. 26, 1923.

BELL'S

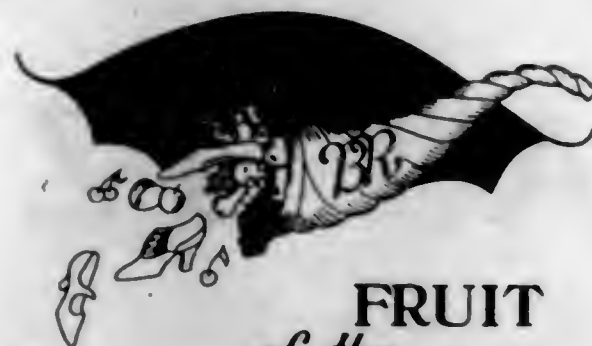


The words "Is Best" do not form a part of the registration sought apart from the mark shown.

Particular description of goods.—Bug Liquid, Ant Powder, Bug Powder, Roach Powder, Moth Liquid, Camphor Ice, Nasal Jelly, Analgesic Balm, Camphor-Menthol Rub, Cucumber Lotion, Hand Lotion, After-Shaving Lotion; Nail-Polish Cake, Nail-Polish Paste, Nail-White Paste, Rouge Lip Stick, Corn Cure, Straw-Hat Cleaner, and Toothache Drops.

Claims use since 1917.

Ser. No. 190,272. (CLASS 39. CLOTHING.) BENJAMIN ROTHMAN, INC., New York, N. Y. Filed Dec. 29, 1923.



The pictorial representation of the shoes is disclaimed apart from the mark as shown. The lines on the drawings are for the purpose of indicating shading only.

Particular description of goods.—Women's Shoes, Boots, Pumps, and Slippers of Leather, Fabric, or Combinations Thereof.

Claims use since Dec. 13, 1923.

Ser. No. 190,302. (CLASS 39. CLOTHING.) EDWARD A. LUEDKE SHOE CO., Milwaukee, Wis. Filed Dec. 31, 1923.



No claim is made to the word "Shoes" apart from the mark shown on the drawing.

Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.

Claims use since 1916.

Ser. No. 190,303. (CLASS 39. CLOTHING.) EDWARD A. LUEDKE SHOE CO., Milwaukee, Wis. Filed Dec. 31, 1923.



Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.

Claims use since 1922.

Ser. No. 190,304. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSE ALIX MARTINEZ, Zaragoza, Spain. Filed Dec. 31, 1923.



The word "Olla" and representation of the cooking pot are disclaimed apart from the mark in the drawing.
Particular description of goods.—Pressure Cookers.
Claims use since January, 1920.

Ser. No. 190,882. (CLASS 39. CLOTHING.) HARON MANUFACTURING COMPANY INC., New York, N. Y. Filed Jan. 16, 1924.



Particular description of goods.—Hospital and Institutional Garments—Namely, Operating Gowns, Operating-Room Shoes, Operating Suits, Orderly Suits, Interne Suits, Physicians' Blouses, Convalescent Suits, Laboratory Coats, Visitors' Capes, Bed Gowns, Infants' Gowns, Maternity Jackets, Pyjamas, Pneumonia Jackets, Patients' Bath Robes, Slip Over Gowns, Nurses' Uniforms, Nurses' Aprons, Nurses' Bibs, Middy Blouses, Children's Textile Underwear, Bloomer Combinations, Children's Dresses, Children's Rompers, Boys' Waists, Working Gowns, Children's Nightgowns, Turkish Bath Gowns, Waist Tops, Nurses' Cuffs, Nurses' Collars, Nurses' Capes, Nurses' Caps, Nurses' Kerchiefs, Patients' Nightgowns, Operating Caps, Operating Leggings.

Claims use since Nov. 30, 1923.

Ser. No. 191,274. (CLASS 37. PAPER AND STATIONERY.) McLAURIN-JONES CO., Brookfield, Mass. Filed Jan. 25, 1924.

GLASSAD

Trade-mark consists of the word "Glassad."

Particular description of goods.—Gummed Paper, and Especially Gummed Paper Adapted to be Printed or Lithographed on the Gummed Side.

Claims use since Jan. 16, 1924.

Ser. No. 191,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISIANA MARGARIN COMPANY, New Orleans, La. Filed Feb. 6, 1924.



Particular description of goods.—Oleomargarine.
Claims use since Jan. 26, 1924.

Ser. No. 192,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE W. YOUNG, doing business as Fort Smith Bakery, Fort Smith, Ark. Filed Feb. 16, 1924.



Applicant disclaims all wording on the drawing with the exception of the words "Royal Cream." The trademark consists of the words "Royal Cream" and the panel on which such words are shown.

Particular description of goods.—Bread.
Claims use since July 1, 1911.

Ser. No. 192,649. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROLAND FLEMING SWABB, doing business as Wonder Chemical Co., Hummelstown, Pa. Filed Feb. 21, 1924.



No claim is made to the words "Embalming Fluid" and "Trade-Mark" apart from the mark as shown.

Particular description of goods.—Embalming Fluid.
Claims use since Sept. 1, 1923.

Ser. No. 193,007. (CLASS 38. PRINTS AND PUBLICATIONS.) UNION INDEMNITY COMPANY, New Orleans, La., and New York, N. Y. Filed Feb. 28, 1924.



No claim is made to the words "Surety Bonds, Casualty Insurance, New Orleans" appearing on the drawing except in connection with the mark as shown. No common-law right in the mark or any feature thereof is waived by this disclaimer.

Particular description of goods.—Periodical Publications Relating to Investments and Securities.
Claims use since on or about Jan. 1, 1923.

Ser. No. 193,708. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HANDY-TITE PATCH COMPANY, Detroit, Mich. Filed Mar. 13, 1924.

HandyTite



Particular description of goods.—Patches for Rubber Goods.
Claims use since Nov. 9, 1921.

Ser. No. 194,130. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHAS. A. SCHIEREN COMPANY, New York, N. Y. Filed Mar. 20, 1924.



Particular description of goods.—Machine Belting.
Claims use since about Mar. 1, 1924.

Ser. No. 194,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY CIACCIA, Philadelphia, Pa. Filed Mar. 21, 1924.

La Marcelle

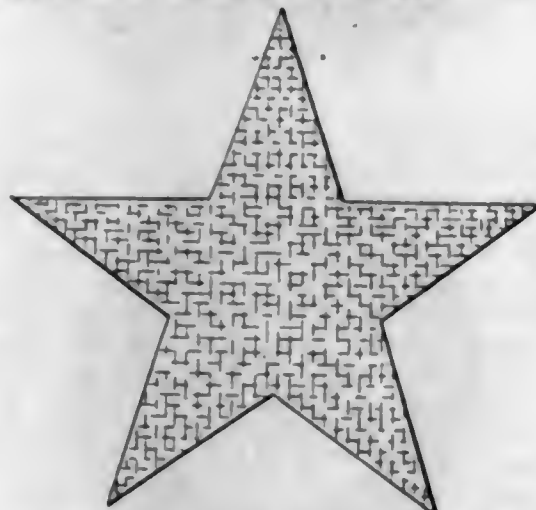
Particular description of goods.—Hair-Waving Lotion.
Claims use since Mar. 3, 1924.

Ser. No. 194,518. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Mar. 27, 1924.



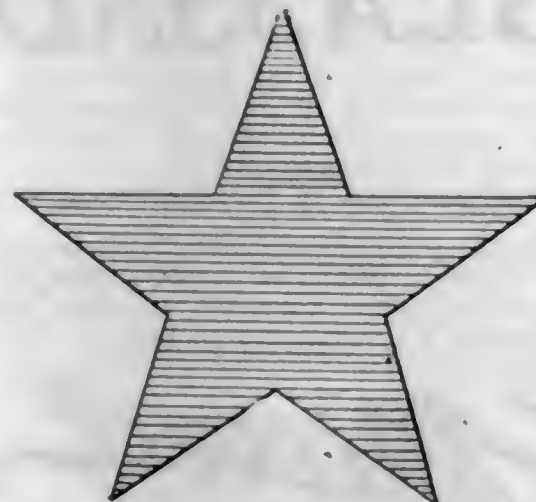
Particular description of goods.—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 22, 1924.

Ser. No. 194,519. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Mar. 27, 1924.



Particular description of goods.—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 22, 1924.

Ser. No. 194,520. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Mar. 27, 1924.



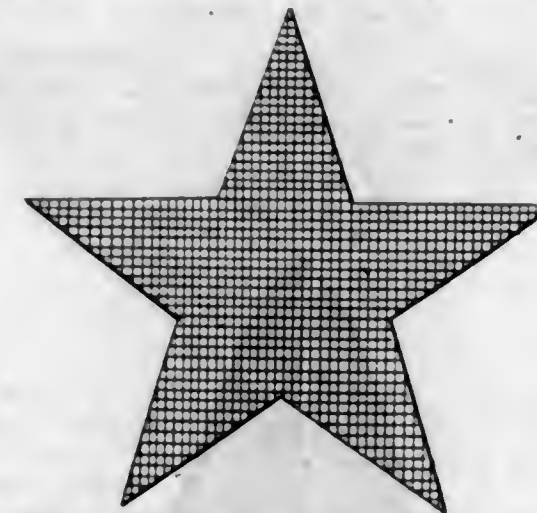
Particular description of goods.—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 22, 1924.

Ser. No. 194,521. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Mar. 27, 1924.



Particular description of goods.—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 22, 1924.

Ser. No. 194,522. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Mar. 27, 1924.



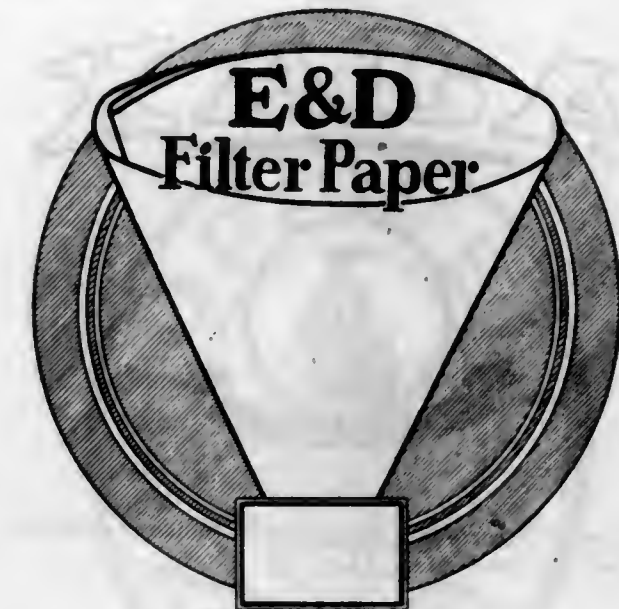
Particular description of goods.—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 22, 1924.

Ser. No. 194,523. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Filed Mar. 27, 1924.



Particular description of goods.—Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 22, 1924.

Ser. No. 194,697. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Mar. 31, 1924.



Without waiving any common-law rights no claim is made to the exclusive use of the words "Filter Paper" apart from the mark shown.
Particular description of goods.—Filter Paper.
Claims use since Feb. 18, 1924.

Ser. No. 195,197. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) H. LOUIS SCHERMERHORN, Los Angeles, Calif. Filed Apr. 8, 1924.

HOT-KOLD

Particular description of goods.—Hot-Air Furnaces.
Claims use since October, 1923.

Ser. No. 195,727. (CLASS 39. CLOTHING.) THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Apr. 17, 1924.

WRAP-AROUND

Trade-mark "Wrap-Around."
Particular description of goods.—Women's Fitted Undergarments, Including Corsets, Made of Textile Fabrics.
Claims use since Dec. 21, 1922.

Ser. No. 195,753. (CLASS 39. CLOTHING.) MARKHAM BROS. LIMITED, Leicester, England. Filed Apr. 18, 1924.

REVOLWELT

Particular description of goods.—Hosiery and Underwear Made of Knitted or Textile Materials.
Claims use since Nov. 2, 1923.

Ser. No. 195,791. (CLASS 5. ADHESIVES.) AJAX LINOLEUM PRODUCTS COMPANY, Oak Harbor, Ohio. Filed Apr. 19, 1924.

AJAX



Particular description of goods.—Linoleum Cement. Claims use since Mar. 15, 1923.

Ser. No. 196,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM E. HANNEN, Shelbyville, Mich. Filed Apr. 25, 1924.



No claim is made for the words "Use," "Eggs," "Trade-Mark," and "None Better in the World" or to the representation of an egg apart from the mark as shown.

Particular description of goods.—Eggs, Live and Dressed Poultry, Butter, Live Stock—Namely, Cattle, Sheep, and Swine.

Claims use since August, 1922.

Ser. No. 196,186. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA PACKING COMPANY, Chicago, Ill. Filed Apr. 26, 1924.



Particular description of goods.—Bacon. Claims use since Sept. 4, 1908.

Ser. No. 196,581. (CLASS 39. CLOTHING.) H. JAY DELSON, doing business as Economy Clothing Mfg. Company, Chicago, Ill. Filed May 5, 1924.



No exclusive right to the word "Clothes" is claimed separate and apart from its association with the trade-mark as shown.

Particular description of goods.—Men's Wearing Apparel—Namely, Suits, Coats, and Trousers.

Claims use since Apr. 23, 1924.

Ser. No. 196,635. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed May 6, 1924.



Particular description of goods.—Rivets, Screws, Nails, Bolts, Burrs, and Pressed-Metal Parts. Claims use since Jan. 7, 1924.

Ser. No. 196,902. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BULLOCK'S, Los Angeles, Calif. Filed May 12, 1924.

Mellotone

Particular description of goods.—Window-Shade Cloth. Claims use since on or about Feb. 4, 1924.

Ser. No. 196,914. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LLOYD C. GREENE, Wintthrop, Mass. Filed May 12, 1924.

CONCERT SELECTOR

Particular description of goods.—Complete Wireless Receiving Sets.

Claims use since Mar. 1, 1924.

Ser. No. 197,102. (CLASS 37. PAPER AND STATIONERY.) THE MASTER HOUSE BUREAU, Cleveland, Ohio. Filed May 15, 1924.



No claim is made for the words "Permanence," "Safety," "Economy," "Architecture," "Resale," "Value," and "Reliability" appearing on the drawing apart from the mark shown.

Particular description of goods.—Blank Construction Policies and Specifications.

Claims use since Apr. 1, 1924.

Ser. No. 197,165. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. STANLEY PERKINS, doing business as Perkins & Co., Philadelphia, Pa. Filed May 16, 1924.

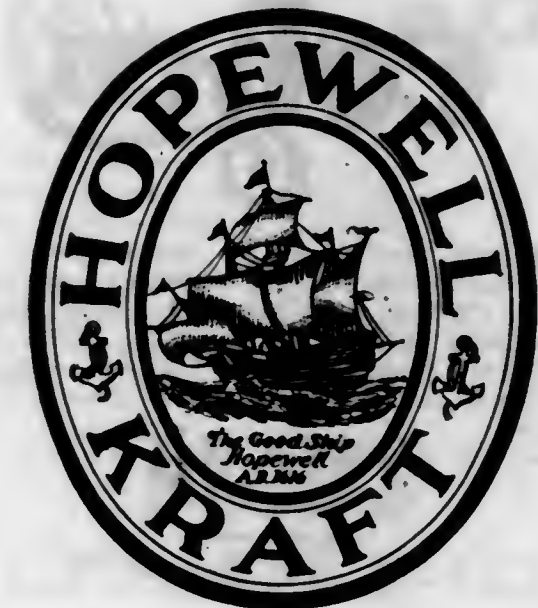


No claim is made to the exclusive use of the word "Kid" apart from the mark as shown in the drawing.

Particular description of goods.—Leather.

Claims use since Dec. 31, 1923.

Ser. No. 197,377. (CLASS 37. PAPER AND STATIONERY.) HUMMEL-ROSS FIBRE CORPORATION, Hopewell, Va. Filed May 21, 1924.



Particular description of goods.—Wrapping Paper. Claims use since Apr. 15, 1924.

Ser. No. 197,860. (CLASS 39. CLOTHING.) ROBERT HOWARD BIGGS, St. Catharines, Ontario, Canada. Filed May 31, 1924.



Disclaimer is hereby made to the word "Garter" apart from the mark as shown.

Particular description of goods.—Garters.

Claims use since Mar. 1, 1924.

Ser. No. 197,920. (CLASS 37. PAPER AND STATIONERY.) EDUARD BERNEBURG, Leipzig, Germany. Filed June 2, 1924.



Trade-mark consists of the word "Cobra" with a flourish annexed to the last letter and extending below the letter "b," the upper part of this letter being formed like the head and neck of the snake called cobra, with some sheets of paper gripped by the jaws of the snake.

Particular description of goods.—Loose-Leaf Ledgers and Files.

Claims use since Mar. 13, 1923.

Ser. No. 198,138. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Buffalo, N. Y. Filed June 5, 1924.



Particular description of goods.—Men's Hats.

Claims use since about Mar. 1, 1922.

Ser. No. 198,176. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DOWELL INDICATOR CORPORATION, New York, N. Y. Filed June 6, 1924.



The lining expresses the colors red and black.

Particular description of goods.—Electrically-Operated Motor-Temperature Indicators.

Claims use since about May 20, 1924.

Ser. No. 198,210. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

CRYSTOL

Particular description of goods.—Vegetable Adhesives Having a Cereal Base.

Claims use since January, 1894.

Ser. No. 198,223. (CLASS 12. CONSTRUCTION MATERIALS.) CENTRAL DOOR AND LUMBER COMPANY, Portland, Oreg. Filed June 7, 1924.



Particular description of goods.—Wooden Garage Doors, French Doors, and Ordinary House Doors and Cut Stock for the Same.

Claims use since Nov. 15, 1918.

Ser. No. 198,321. (CLASS 37. PAPER AND STATIONERY.) MESSINGER PAPER COMPANY, Chicago, Ill. Filed June 9, 1924.

PEARLWOOD GREETING

Particular description of goods.—Papers for Writing, Greeting Cards, and Cover Purposes.

Claims use since Mar. 1, 1924.

Ser. No. 198,412. (CLASS 39. CLOTHING.) F. M. HOYT SHOE COMPANY, Manchester, N. H. Filed June 11, 1924.



No exclusive right to the words "Trade-Mark" is made.

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material.

Claims use since Jan. 1, 1924.

Ser. No. 198,468. (CLASS 12. CONSTRUCTION MATERIALS.) OCEAN LUMBER CO., San Francisco, Calif. Filed June 12, 1924.



Particular description of goods.—Lumber.

Claims use since about January, 1922.

Ser. No. 198,515. (CLASS 2. RECEPTACLES.) FORT ORANGE PAPER COMPANY, Castleton-on-Hudson, N. Y. Filed June 13, 1924.



No registration rights are claimed for the representation of a shield, a ship, a beaver, and a fort, for the words "Castleton, N. Y." or for the figures "1609, 1624" apart from the mark shown in the drawing; but applicant waives none of its common-law rights in said mark or any element thereof.

Particular description of goods.—Box-Board, Card-board, and Paper Boxes and Containers of Various Shapes and Sizes.

Claims use since 1911.

Ser. No. 198,671. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JOHN PUHL PRODUCTS CO., Chicago, Ill. Filed June 16, 1924.



Particular description of goods.—Ammonia.

Claims use since about Aug. 1, 1921.

Ser. No. 198,672. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JOHN PUHL PRODUCTS CO., Chicago, Ill. Filed June 16, 1924.

Little Bo-Peep

Trade-Mark "Little Bo-Peep."

Particular description of goods.—Ammonia.

Claims use since about Aug. 1, 1924.

Ser. No. 198,678. (CLASS 37. PAPER AND STATIONERY.) F. A. READ, INC., New York, N. Y. Filed June 16, 1924.

READ'S Protect-O Basket Liner

No rights are asserted to the exclusive use of the words "Basket Liner" apart from the trade-mark shown in the drawing.

Particular description of goods.—Paper Devices for Lining Fruit Receptacles, Such as Crates and Baskets.

Claims use since April, 1924.

Ser. No. 198,694. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ERNEST ZELIOT, doing business as Polish Sales Company, New York, N. Y. Filed June 16, 1924.



The lining on the drawing is merely for the purpose of shading and does not indicate color.

Particular description of goods.—Furniture Polish in Liquid Form for Polishing All Kinds of Furniture and Any Varnished Woodwork.

Claims use since March, 1922.

Ser. No. 198,883. (CLASS 39. CLOTHING.) SAMUEL RICHMAN, doing business as Claridge Frock, New York, N. Y. Filed June 20, 1924.

Miladye Claridge Frock

No claim is made to the exclusive use of the word "Frock" apart from the mark as shown in the drawing.

Particular description of goods.—Ladies' and Misses' Frocks, Dresses, Coats, and Suits.

Claims use since March, 1922.

Ser. No. 198,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY DREGELT, doing business as La Mode Cosmetic Co., New York, N. Y. Filed June 21, 1924.

LA MODE

Particular description of goods.—Face Lotions and Sunburn Lotions.

Claims use since June 11, 1924.

Ser. No. 198,966. (CLASS 39. CLOTHING.) CHARLES BROADWAY ROUSS, New York, N. Y. Filed June 21, 1924.

Weartex

Particular description of goods.—Hosiery.

Claims use since 1911.

Ser. No. 199,057. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GLIDDEN COMPANY, Cleveland, Ohio. Filed June 24, 1924.

No 35

Particular description of goods.—Wood Lacquer.

Claims use since October, 1922.

Ser. No. 199,062. (CLASS 39. CLOTHING.) HART & ELSEN Co., Los Angeles, Calif. Filed June 24, 1924.

ELSART

Particular description of goods.—Underwear, Knit; Underwear, Textile; Hosiery, Knit Sweaters, Knit Socks, Knit Capes, Knit Jackets, Knit Caps, Knit Toques, Knit Hoods, Knit Booties, Knit Mittens, Knit Shoes, and Knit Scarfs.

Claims use since Jan. 2, 1920.

Ser. No. 199,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. V. MAATSCHAPPIJ TOT EXPLOITATIE VAN DE HAAOSCHE HOPJES- EN CHOCOLADE-FABRIEK VAN P. NIEUWERKERK & ZOON, The Hague, Netherlands. Filed June 24, 1924.



No claim is made to the following matter apart from the mark shown in the drawing—namely, "Invented in 1794, Famous Dutch Koffy Dainties or Bonbons of Baron Hop. Since 1794 known in Holland as the Only Genuine Hopjes."

Particular description of goods.—Sugar Candy Known as Hopjes.

Claims use since Dec. 1, 1890.

Ser. No. 199,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM B. KELLING, doing business as The Iodi-Salt Company, Salt Lake City, Utah. Filed June 25, 1924.

IODI-SALT

Applicant disclaims the use of the word "Salt" except in association with the word "Iodi." The mark consists of the words "Iodi-Salt."

Particular description of goods.—Medicated Salt.

Claims use since May 1, 1924.

Ser. No. 199,235. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MAGIC COLLIERIES COMPANY, Nortonville, Ky. Filed June 27, 1924.

MAGIC

ASHLESS COAL

MAGIC

Color is not a material feature of the trade-mark, and the horizontal cross lining of the word "Magic" does not indicate color. Without waiving any of its common-law rights and for the purpose of this registration only the words "Ashless Coal" are disclaimed.

Particular description of goods.—Coal.

Claims use since about March, 1922.

Ser. No. 199,269. (CLASS 12. CONSTRUCTION MATERIALS.) THE YOUNGSTOWN PRESSED STEEL COMPANY, Warren, Ohio. Filed June 27, 1924.

BOX

Particular description of goods.—Metal Channel Iron, Metal Studding, Metal Bearing Strips, and the Like.

Claims use since Nov. 18, 1923.

Ser. No. 199,271. (CLASS 12. CONSTRUCTION MATERIALS.) THE YOUNGSTOWN PRESSED STEEL COMPANY, Warren, Ohio. Filed June 27, 1924.

YOUNGSTOWN BOX

Particular description of goods.—Metal Channel Iron, Metal Studding, Metal Bearing Strips, and the Like.

Claims use since Nov. 18, 1923.

Ser. No. 199,290. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAROLD W. MUNRO, Providence, R. I. Filed June 28, 1924.

KATNIPS

Particular description of goods.—Candy, Crackers, Cookies, Bread, and Cake.

Claims use since June 25, 1924.

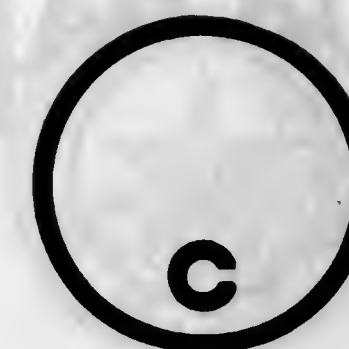
Ser. No. 199,543. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EASTERN FELT COMPANY, Winchester, Mass. Filed July 3, 1924.



Particular description of goods.—Polishing Wheels and Felts Therefor.

Claims use since January, 1916.

Ser. No. 199,544. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EASTERN FELT COMPANY, Winchester, Mass. Filed July 3, 1924.



Particular description of goods.—Polishing Wheels and Felts Therefor.

Claims use since January, 1916.

Ser. No. 199,545. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EASTERN FELT COMPANY, Winchester, Mass. Filed July 3, 1924.



Particular description of goods.—Polishing Wheels and Felts Therefor.

Claims use since January, 1916.

Ser. No. 199,546. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EASTERN FELT COMPANY, Winchester, Mass. Filed July 3, 1924.



Particular description of goods.—Polishing Wheels and Felts Therefor.

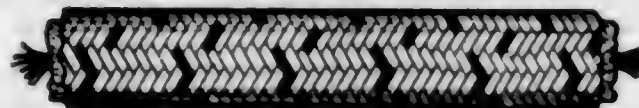
Claims use since January, 1916.

Ser. No. 199,680. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed July 7, 1924.



Particular description of goods.—Detachable Wagon Covers.
Claims use since Feb. 15, 1923.

Ser. No. 199,715. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PACKARD ELECTRIC COMPANY, Warren, Ohio. Filed July 7, 1924.



The trade-mark consists in the colors red and brown applied to the wire indicated in the drawing, the body of the woven covering being brown and the single contrasting strands being red.

Particular description of goods.—Electric Insulated Wire.
Claims use since June, 1903.

Ser. No. 199,716. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PACKARD ELECTRIC COMPANY, Warren, Ohio. Filed July 7, 1924.



Trade-mark consists in the colors black and brown applied to the wire in the manner indicated in the drawing, the body of the woven covering being brown and the single contrasting strands being black.

Particular description of goods.—Electric Insulated Wire.
Claims use since Mar. 4, 1916.

Ser. No. 199,736. (CLASS 37. PAPER AND STATIONERY.) AKTIESELSKABET H. E. GOSCH & CO.'S TÆNDSTIKFABRIK OG AKTIEFÆNDSTIKFABRIKEN GODTHAAB, Copenhagen, Denmark. Filed July 8, 1924.

Rollo

Particular description of goods.—Pencils.
Claims use since July 17, 1922.

Ser. No. 199,763. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY E. ROWDEN, doing business as Belcano Company, San Francisco, Calif. Filed July 8, 1924.

Belcano

Particular description of goods.—Cosmetics for the Skin and Hair in the Form of Pastes, Liquids, Jellies, Creams, and Powders.
Claims use since Mar. 1, 1922.

Ser. No. 199,906. (CLASS 37. PAPER AND STATIONERY.) THE STEPHENSON SPECIALTY COMPANY, Hartford, Conn. Filed July 11, 1924.

TRAVOFILE

Particular description of goods.—Filing Devices, and Particularly Portable Files.
Claims use since about Feb. 15, 1924.

Ser. No. 199,962. (CLASS 37. PAPER AND STATIONERY.) WAYAGAMACK PULP & PAPER COMPANY, LIMITED, Three Rivers, Quebec, Canada. Filed July 12, 1924.



Disclaimer is made to the words "Pure Kraft" apart from the mark as shown in the drawing.
Particular description of goods.—Wrapping Paper, Writing Paper, Kraft Papers, and Envelopes.
Claims use since Jan. 1, 1921.

Ser. No. 199,963. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WAYAGAMACK PULP & PAPER COMPANY, LIMITED, Three Rivers, Quebec, Canada. Filed July 12, 1924.



Particular description of goods.—Wood Pulp, Chemical Pulp, Sulphate and Sulphite Pulp, Soda Pulp, and Easy-Bleaching Pulp.
Claims use since Jan. 1, 1921.

Ser. No. 199,995. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KINESTHETIC PROCESS CO., INC., Long Island City, N. Y. Filed July 14, 1924.

KINESTHETIC

Particular description of goods.—Golf Balls.
Claims use since May 1, 1915.

Ser. No. 200,002. (CLASS 37. PAPER AND STATIONERY.) LIBRARY BUREAU, Cambridge, Mass. Filed July 14, 1924.

Crystaloid

Particular description of goods.—Indexes and Parts Thereof.
Claims use since Mar. 14, 1924.

Ser. No. 200,019. (CLASS 12. CONSTRUCTION MATERIALS.) TEXAS PORTLAND CEMENT COMPANY, Dallas, Tex. Filed July 14, 1924.



TEXAS.

"LONE STAR"

The words "Dallas-Houston, Brand, Texas" are disclaimed apart from the mark shown on the accompanying drawing.

Particular description of goods.—Portland Cement.
Claims use since Mar. 3, 1908.

Ser. No. 200,084. (CLASS 39. CLOTHING.) ALCONA KNITTING MILLS, San Francisco, Calif. Filed July 16, 1924.

KNITPHUR

Particular description of goods.—Knitted Products for Men, Women, and Children—Namely, Coats, Sweater Coats, Sweaters, Scarfs, Caps, Dresses, Hosiery, and Bathing Suits.
Claims use since May 1, 1924.

Ser. No. 200,095. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed July 16, 1924.

The Formality

Particular description of goods.—Men's Suits, including Coats, Vests, Trousers, Dress Suits, Overcoats, and Raincoats.

Claims use since June 1, 1924.

Ser. No. 200,120. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill. Filed July 16, 1924.



Particular description of goods.—Window Hardware—Namely, Sash Links, Hinges, Chafing Plates, Stops, Tracks, and Thresholds.
Claims use since May 14, 1918.

Ser. No. 200,121. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYMAN HUEBSCHMAN, doing business as Ritz Chemical Co., Brooklyn, N. Y. Filed July 16, 1924.

Cornchek
TRADE MARK

No claim is made to the words "Trade-Mark."
Particular description of goods.—Preparation for the Treatment of Corns.
Claims use since June 1, 1923.

Ser. No. 200,130. (CLASS 12. CONSTRUCTION MATERIALS.) BATCHELLER-McCONNELL COMPANY, LTD., New York, N. Y. Filed July 17, 1924.



No claim is made herein to the words "Asbestos Shingles" and "Trade-Mark" alone or apart from the mark as shown in the drawing.

Particular description of goods.—Cement-Asbestos Shingles.
Claims use since May 1, 1924.

Ser. No. 200,180. (CLASS 15. OILS AND GREASES.) BOYCE & VEEDER COMPANY, INC., Long Island City, N. Y. Filed July 18, 1924.

Boyce-ite

Particular description of goods.—Liquid Fuels, the Particular Description Being Treated Gasoline.
Claims use since about Jan. 1, 1924.

Ser. No. 200,236. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. ARCHER SILK CORPORATION, New York, N. Y. Filed July 19, 1924.



Particular description of goods.—Piece Goods of Silk, Artificial Silk, Cotton, and Wool and Combinations Thereof.
Claims use since 1919.

Ser. No. 200,340. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE REINHOLD METALLURGICAL COMPANY, Omaha, Nebr. Filed July 21, 1924.

CHLORALITH

Particular description of goods.—Oil-Refining Clays for Refining and Bleaching Petroleum Oil.
Claims use since Apr. 7, 1924.

Ser. No. 200,394. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) INDEPENDENT COAL COMPANY, Huntington, W. Va., and Toledo, Ohio. Filed July 23, 1924.



Particular description of goods.—Coal.
Claims use since Apr. 1, 1924.

Ser. No. 200,412. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE TOPSALL MANUFACTURING COMPANY, INC., New Haven, Conn. Filed July 23, 1924.



The word "Products" is disclaimed.
Particular description of goods.—Varnish Liquid Refinishes for Use on Metal and Wood.
Claims use since Feb. 5, 1924.

Ser. No. 200,460. (CLASS 12. CONSTRUCTION MATERIALS.) PORTLAND-CEMENT-FABRIK DYCKERHOFF & SOHN G. M. B. H., Amöneburg b/Biebrich a/Rhein, Germany. Filed July 24, 1924.

**DYCKERHOFF
DOPPEL**

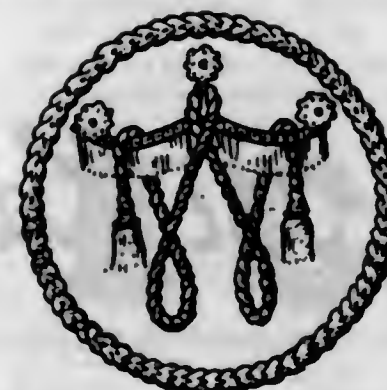


PORTLAND ZEMENT

The words "Portland Zement" appearing in the mark are disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Cement.
Claims use since Mar. 2, 1924.

Ser. No. 200,536. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. F. WALLISER COMPANY, Chicago, Ill. Filed July 25, 1924.



Particular description of goods.—Rope Portières.
Claims use since on or about Mar. 1, 1915.

Ser. No. 200,599. (CLASS 2. RECEPTACLES.) THE ALL METAL CASKET COMPANY, Mansfield, Ohio. Filed July 28, 1924.

TAMCCO
allmetal
CASKETS

No claim is made to the exclusive use of the words "Allmetal" and "Caskets" apart from the mark as shown on the drawing, applicant, however, waiving none of its common-law rights in said mark or any element thereof.

Particular description of goods.—Metal Caskets.
Claims use since July 24, 1924.

Ser. No. 200,603. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKO PROCESS COMPANY, Minneapolis, Minn. Filed July 28, 1924.



Particular description of goods.—Ready-Mixed Paints, Paint Enamel, Crack Sealer, and Paint Remover.
Claims use since June 5, 1924.

Ser. No. 200,604. (CLASS 2. RECEPTACLES.) BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 28, 1924.

CALSAX

Particular description of goods.—Moistureproof Jute or Cotton Bags.
Claims use since June 14, 1924.

Ser. No. 200,621. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HOLLOW BALL COMPANY, INCORPORATED, Baltimore, Md. Filed July 28, 1924.



Applicant disclaims any exclusive right to the word "Seamless" apart from the mark shown on the drawing.
Particular description of goods.—Metal Balls Used in Valves, Steam Traps, Flats, Casters, and Ball Joints.
Claims use since June 10, 1924.

Ser. No. 200,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES KUHNERT, doing business as Wisconsin Patent Medicine Company, Wauwatosa, Wis. Filed July 28, 1924.

KU-NO

Particular description of goods.—Preparation for the Treatment of Rheumatism and Hair Restorer.
Claims use since July 10, 1924.

Ser. No. 200,701. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANDERSON BROS. & JOHNSON CO., Wausau, Wis. Filed July 30, 1924.



No claim is made to the words "Wisconsin" and "Ruby Red" apart from the mark shown in the drawing.
Particular description of goods.—Granite Memorials.
Claims use since Dec. 7, 1923.

Ser. No. 200,776. (CLASS 2. RECEPTACLES.) THE PURITY PAPER VESSELS CO., Baltimore, Md. Filed July 31, 1924.

PURITY

Particular description of goods.—Cans or Containers for Packing, Storing, or Delivering Ice Cream and Various Food and Other Products and So-Called Ice Tubs or Pails.

Claims use since about summer of 1909.

Ser. No. 200,875. (CLASS 2. RECEPTACLES.) FISHER BROS. PAPER COMPANY, Fort Wayne, Ind. Filed Aug. 2, 1924.



No claim is made to the word "Brand" except in connection with the balance of the mark.

Particular description of goods.—Bags, Baking Cups, Corrugated-Paper Boxes, Ice-Cream Pails, Ice-Cream Cones, Ice-Cream Dishes, Lard Cans, Lard Pails, Oyster Pails, Liquid-Tight Containers, Wicker Baskets, Drinking Cups, Dishes, Egg Cartons, and Egg Carriers.

Claims use since July 30, 1924.

Ser. No. 200,958. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE NEWPORT MANUFACTURING CO., Newport, Ky. Filed Aug. 4, 1924.

Bi-Bi Kar

"Kar" per se apart from the mark is disclaimed without waiving any common-law rights.

Particular description of goods.—Children's Play Vehicles.

Claims use since on or about July 19, 1924.

Ser. No. 200,970. (CLASS 37. PAPER AND STATIONERY.) LEROI B. TORREY, Medford, Mass. Filed Aug. 4, 1924.

KIDDYLAND

Particular description of goods.—Paper, Envelopes, and Cards.

Claims use since June 14, 1924.

Ser. No. 201,031. (CLASS 39. CLOTHING.) N. HESS & BRO., INC., Baltimore, Md. Filed Aug. 6, 1924. Under ten-year proviso.



Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.

Claims use since 1841.

Ser. No. 201,049. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUSSELL N. SHEMP, doing business as The Pine Rub Company, Philadelphia, Pa. Filed Aug. 6, 1924.



No claim is made to the words "Trade-Mark" apart from the mark as shown.

Particular description of goods.—Ointment Indicated for the Treatment of Certain Forms of Congestion and Inflammation, Such as Pneumonia, Bronchitis, Colds, Coughs, Rheumatism, Sprains, Etc.

Claims use since Jan. 20, 1923.

Ser. No. 201,065. (CLASS 15. OILS AND GREASES.) WAVERLY OIL WORKS COMPANY, Pittsburgh, Pa. Filed Aug. 6, 1924.

E Z CUT

The word "Cut" is disclaimed apart from the mark as shown by the drawing.

Particular description of goods.—Lubricants for Metal-Cutting Tools.

Claims use since about Apr. 1, 1924.

328 O. G.—19

Ser. No. 201,089. (CLASS 39. CLOTHING.) KOPS BROS. INC., New York, N. Y. Filed Aug. 7, 1924.

STA-PUT

Particular description of goods.—Corsets, Brassières, Girdles, and Like Underwear of Textile Fabric for Women.

Claims use since July 1, 1924.

Ser. No. 201,094. (CLASS 37. PAPER AND STATIONERY.) LOUISVILLE PAPER COMPANY, Louisville, Ky. Filed Aug. 7, 1924.



The word "Bond" being disclaimed separate and apart from the mark shown in the drawing.

Particular description of goods.—Writing and Printing Papers.

Claims use since July 22, 1924.

Ser. No. 201,103. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ARTHUR SALZER, New York, N. Y. Filed Aug. 7, 1924.

MA'S-YONGEST

Particular description of goods.—Statuary Novelties and Plastic Figures.

Claims use since Mar. 27, 1924.

Ser. No. 201,161. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STERLING ENGINE COMPANY, Buffalo, N. Y. Filed Aug. 8, 1924.

COAST-GUARD

Particular description of goods.—Internal-Combustion Engines.

Claims use since June 1, 1924.

Ser. No. 201,293. (CLASS 12. CONSTRUCTION MATERIALS.) KEY-JAMES BRICK COMPANY, Alton Park, Tenn. Filed Aug. 12, 1924.

BURLAP

Particular description of goods.—Bricks.
Claims use since July 15, 1912.

Ser. No. 201,311. (CLASS 39. CLOTHING.) SMITH & HARTNETT, Philadelphia, Pa. Filed Aug. 12, 1924.



Particular description of goods.—Ladies' Hats.
Claims use since on or about Aug. 6, 1906.

Ser. No. 201,367. (CLASS 39. CLOTHING.) ABRAHAM NAMI, Chicago, Ill. Filed Aug. 13, 1924.

"Reintex"

Particular description of goods.—Waterproof Coats and Capes.
Claims use since Jan. 2, 1924.

Ser. No. 201,421. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAMS BROS. AIRCRAFT CORPORATION, San Francisco, Calif. Filed Aug. 14, 1924.



No claim is made to the words "Automotive Products" and "Trade Mark" apart from the mark shown on the drawing.

Particular description of goods.—Motor-Vehicle Accessories.
Claims use since June 4, 1924.

Ser. No. 201,433. (CLASS 39. CLOTHING.) JOHN V. FARWELL COMPANY, Chicago, Ill. Filed Aug. 15, 1924.

Sun Dance

Particular description of goods.—Underwear Composed of Textile and Knitted Fabrics for Men, Women, and Children, and Hosiery.
Claims use since Aug. 1, 1924.

Ser. No. 201,464. (CLASS 39. CLOTHING.) POINTER HOSIERY CO., High Point, N. C. Filed Aug. 15, 1924.



POINTER

Particular description of goods.—Men's Half Hose.
Claims use since Dec. 15, 1923.

Ser. No. 201,571. (CLASS 37. PAPER AND STATIONERY.) THE MACY COMPANY LIMITED, Glasgow, Scotland. Filed Aug. 18, 1924.

ZIP

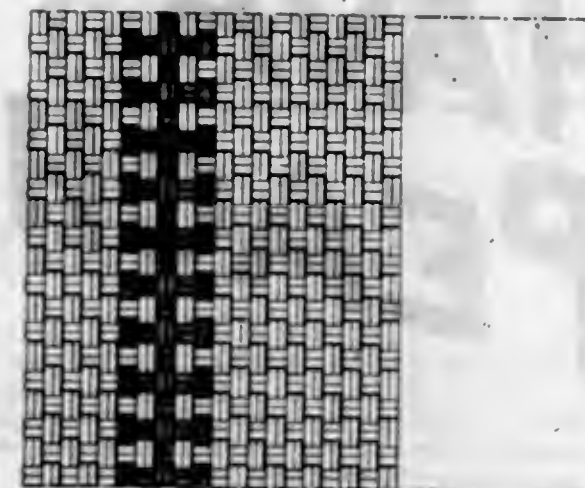
Particular description of goods.—Bound Loose-Leaf Books.
Claims use since Dec. 7, 1921.

Ser. No. 201,590. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHOTWELL MFG. CO., Chicago, Ill. Filed Aug. 18, 1924.

Mr. Dooley

Particular description of goods.—Candy Bar.
Claims use since May 1, 1924.

Ser. No. 201,619. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL PILE FABRIC COMPANY, Paterson, N. J. Filed Aug. 19, 1924.



The drawing is shaded to show coloring. The two center blue threads as represented are lined for blue. The next two white threads on the outside of and on either side of the blue threads as represented are lined for white. The next two red threads on the outside of and on either side of all the aforementioned threads are lined for red. The representation of the goods is disclaimed apart from the mark shown in the drawing, without waiving any common-law rights thereto.

Particular description of goods.—Pile Fabrics.
Claims use since June 23, 1924.

Ser. No. 201,631. (CLASS 10. FERTILIZERS.) UNITED CHEMICAL PRODUCTS COMPANY, Pittsburgh, Pa., and Buena Vista, Va. Filed Aug. 19, 1924.



The picture of the man shown in the trade-mark is an artist's conception of a character which would be associated with the name "Old Gardener," and it is not the portrait of any living person.

Particular description of goods.—Fertilizers.
Claims use since June 1, 1924.

Ser. No. 201,657. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESOMD MILLS, Esmond, R. I. Filed Aug. 20, 1924.



No claim is made to the words "Frazada," "Marca Registrada," "Modelo," "Color," "Tamaño," "Acabado do" and "Fabricas en E. U. A." apart from the mark shown.

Particular description of goods.—Textile Blankets and Textile Blanket Material.
Claims use since Aug. 8, 1924.

Ser. No. 201,672. (CLASS 39. CLOTHING.) NEW-MARK & BRAUDE, New York, N. Y. Filed Aug. 20, 1924.

La Blumette

Particular description of goods.—Ladies' Underwear—Namely, Shirts, Bloomers, Brassières, Chemises, and Ladies' Combination Undergarments.
Claims use since Aug. 12, 1924.

Ser. No. 201,692. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BOND CHEMIST SHOP, INC., Hartford, Conn. Filed Aug. 21, 1924.

Bondbright

Particular description of goods.—Polishes for Automobiles and Furniture.
Claims use since July 17, 1924.

Ser. No. 201,706. (CLASS 39. CLOTHING.) KNITWEAR PROMOTERS, INC., New York, N. Y. Filed Aug. 21, 1924.

ICEBOUND

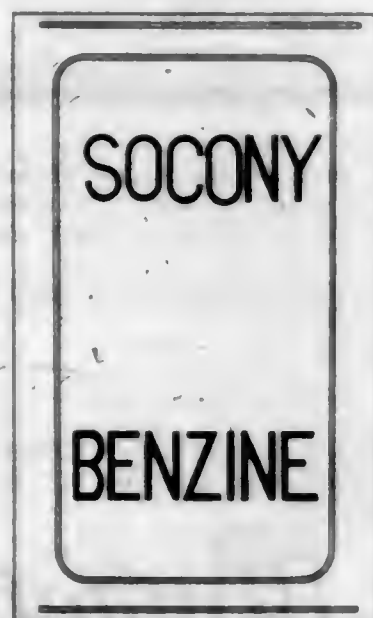
Particular description of goods.—Sweaters, Knitted Dresses, and Knitted Coats.
Claims use since about June 15, 1924.

Ser. No. 201,707. (CLASS 39. CLOTHING.) KNOT-WEAR PROMOTERS, INC., New York, N. Y. Filed Aug. 21, 1924.

SHOW-OFF

Trade-mark "Show-Off."
Particular description of goods.—Sweaters, Knitted Dresses, and Knitted Coats.
Claims use since June 15, 1924.

Ser. No. 201,725. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 21, 1924.



No claim is made to the word "Benzine" apart from the mark shown.
Particular description of goods.—Benzine.
Claims use since 1908.

Ser. No. 201,748. (CLASS 39. CLOTHING.) CHARLES GREENBERG, New York, N. Y. Filed Aug. 22, 1924.

NOXALL

Trade-mark consists of the word "Noxall."
Particular description of goods.—Boys' Blouses.
Claims use since Nov. 1, 1923.

Ser. No. 201,814. (CLASS 39. CLOTHING.) THE EDW. MALLEY CO., New Haven, Conn. Filed Aug. 23, 1924.

KID PED

Particular description of goods.—Children's Shoes of Leather or Canvas.
Claims use since July 1, 1924.

Ser. No. 201,854. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM CLARENCE PEELER, Columbia, S. C. Filed Aug. 25, 1924.

HAVA PEACH

No claim is made to the word "Peach" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Nonalcoholic, Maltless, Carbonated Beverage Sold as a Soft Drink.
Claims use since Nov. 1, 1923.

Ser. No. 201,865. (CLASS 39. CLOTHING.) STRONG AND WARNER COMPANY, St. Paul, Minn. Filed Aug. 25, 1924.



The word "Chapeaux" is disclaimed except in association with the word "Royale."
Particular description of goods.—Ladies' Hats.
Claims use since on or about Aug. 4, 1924.

Ser. No. 201,870. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EARL WILDMAN, doing business as Bell Chemical Works, Bellevue, Ky. Filed Aug. 25, 1924.

BELL BRAND



Applicant disclaims exclusive use of the word "Brand."
Particular description of goods.—Bay Rum, Witch-Hazel, Soda Mint, Saccharin Soluble, Spirits of Camphor, Spirits of Turpentine for Medicinal Purposes, Sweet Oil, Castor Oil, Lime Water, Cod-Liver Oil, Mineral Oil for Medicinal Purposes, Spirits of Ammonia, Camphorated Oil, Glycerin, Tincture of Arnica, Sweet Spirits of Niter, Pure Olive Oil, Essence of Peppermint, Cascara, Liquid Opodeldoc, Sulphur, Sodium Bicarbonate, Saltpeter, Powdered; Rochelle Salts, Epsom Salts, Flaxseed Meal, Whole Flaxseed, Cream of Tartar, Copperas, Compound Licorice Powder, Precipitated Chalk, Powdered Borax, Powdered Alum, Bluestone, Lump Alum, Salicylic Acid, Boric Acid, Moth Balls, Potassium Chlorate.
Claims use since Mar. 17, 1923.

Ser. No. 201,895. (CLASS 39. CLOTHING.) HUB HOSIERY MILLS, Boston, Mass. Filed Aug. 26, 1924.



Particular description of goods.—Infants' Hose.
Claims use since July 29, 1924.

Ser. No. 201,928. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FULLER-MORRISON COMPANY, Chicago, Ill. Filed Aug. 27, 1924.



No claim is made for the words "Supreme Quality."
Particular description of goods.—Floor Wax.
Claims use since Jan. 1, 1921.

Ser. No. 201,953. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIGMUND L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill. Filed Aug. 28, 1924.



Particular description of goods.—Malt Sirups for Food Purposes.
Claims use since July 14, 1923.

Ser. No. 202,005. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES W. DIPPLE, doing business as Chas. W. Dipple Carveneer Polish Co., Washington, D. C. Filed Aug. 29, 1924.

Carveneer

Particular description of goods.—Furniture and Automobile Polish.
Claims use since Aug. 1, 1924.

Ser. No. 202,011. (CLASS 39. CLOTHING.) ALFRED HALE RUBBER COMPANY, Atlantic, Quincy, Mass. Filed Aug. 29, 1924.

CUTLERITE

Trade-mark "Cutlerite."
Particular description of goods.—Resilient, Leather, Rubber, Fibrous, or Composition Soles for Use on Boots, Shoes, and Slippers.
Claims use since February, 1920.

Ser. No. 202,029. (CLASS 39. CLOTHING.) I. MITTELMAN & CO., INC., New York, N. Y. Filed Aug. 29, 1924.



No claim is made to the word "Dresses" apart from the mark shown in the drawing.
Particular description of goods.—Ladies', Misses', Juniors' and Children's Dresses.
Claims use since Aug. 21, 1924.

Ser. No. 202,042. (CLASS 39. CLOTHING.) WEYENBERG SHOE MANUFACTURING CO., Milwaukee, Wis. Filed Aug. 29, 1924.



Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather and Heels and Soles of Rubber.
Claims use since Aug. 1, 1923.

Ser. No. 202,034. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EXCELSIOR SALINE WATER COMPANY, Excelsior Springs, Mo. Filed Aug. 30, 1924.



The words "Mineral Water" are disclaimed apart from the mark shown.
Particular description of goods.—Natural Mineral Waters.
Claims use since May, 1922.

Ser. No. 202,089. (CLASS 39. CLOTHING.) ACB HIGH HAT COMPANY, New York, N. Y. Filed Sept. 2, 1924.

MUSTFIT

Particular description of goods.—Women's and Girls' Hats and Hat Frames.
Claims use since Aug. 15, 1924.

Ser. No. 202,144. (CLASS 39. CLOTHING.) ROSENBERG BROS. & CO., Rochester, N. Y. Filed Sept. 2, 1924.

ROYAL PAR-KERRY

Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since Aug. 1, 1924.

Ser. No. 202,150. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) STAHI NEWSPAPER SUPPLY COMPANY, Portland, Oreg. Filed Sept. 2, 1924.



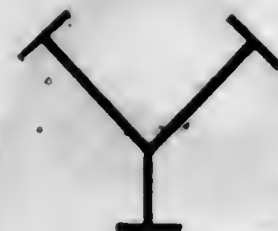
Particular description of goods.—Newspaper-Press Blankets.
Claims use since Aug. 15, 1924.

Ser. No. 202,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed Sept. 6, 1924.

TUBERCUMET

Particular description of goods.—Medicine or Pharmaceutical Preparation in the Form of a Liquid Used Experimentally in the Serodiagnosis of Tuberculosis.
Claims use since Aug. 4, 1924.

Ser. No. 202,312. (CLASS 39. CLOTHING.) THE YORK SHIRT COMPANY, Glens Falls and New York, N. Y. Filed Sept. 6, 1924.



Trade-mark consists of the letter "Y."
Particular description of goods.—Negligee and Dress Shirts (Men's Outer Shirts).
Claims use since Aug. 20, 1924.

Ser. No. 202,313. (CLASS 39. CLOTHING.) THE YORK SHIRT COMPANY, Glens Falls and New York, N. Y. Filed Sept. 6, 1924.



Particular description of goods.—Men's Negligee and Dress Shirts.
Claims use since January, 1921.

Ser. No. 202,345. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KENTUCKY HOLDING CORPORATION, Louisville, Ky. Filed Sept. 8, 1924.



Particular description of goods.—Cheese.
Claims use since July 15, 1924.

Ser. No. 202,348. (CLASS 39. CLOTHING.) B. KUPPENHEIMER & Co., Inc., Chicago, Ill. Filed Sept. 8, 1924.

TheLaird

Particular description of goods.—Ready-Made or Ready-to-Wear Overcoats.
Claims use since July 2, 1924.

Ser. No. 202,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FLORIDA SHOP, Inc., New York, N. Y. Filed Sept. 9, 1924.



The words "The Florida Shop, Inc." and the border are displayed in orange.
Particular description of goods.—Preserved Fruits, Jelly, Marmalade, Honey, Preserved Figs, Table Syrups, and Jams.
Claims use since Sept. 2, 1924.

Ser. No. 202,418. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHRISTY REGGIO, Brooklyn, N. Y. Filed Sept. 9, 1924.

REGEX

Particular description of goods.—Sanitary Syringes.
Claims use since Jan. 1, 1924.

Ser. No. 202,438. (CLASS 39. CLOTHING.) CLARK KNITTING CO., INC., Utica, N. Y. Filed Sept. 10, 1924.

**CLARK'S
VELVETAN**

Particular description of goods.—Ladies' Knitted Sport Coats, Suits, and One-Piece Dresses, and Children's Knitted One-Piece Dresses, and Ladies' and Children's Knitted Sleeveless Coats, Vests, and Knickers, and Men's Knitted Coats and Vests.
Claims use since June 1, 1923.

Ser. No. 202,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATURE'S NATURAL REMEDIES, INC., Fredericksburg, Tex. Filed Sept. 10, 1924.

RED MAN'S TEA

No claim is made to the use of the word "Tea" apart from that shown on the drawing.
Particular description of goods.—Blood Purifier.
Claims use since Aug. 1, 1924.

Ser. No. 202,461. (CLASS 39. CLOTHING.) PRICE CLOTHING COMPANY, Fayetteville, Ark. Filed Sept. 10, 1924.



Particular description of goods.—Outer Suits for Men, Women, and Children; Shoes of Leather, Rubber, and Fabric; Hats for Men, Women, and Children; Caps, Neckties, Belts, Dress Shirts, Work Shirts, Negligee Shirts, Pyjamas, Underwear of Knitted and Textile Fabric, and Sweaters.
Claims use since about Oct. 15, 1921.

Ser. No. 202,484. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNSWICK-HARRIS CORP'N, New York, N. Y. Filed Sept. 11, 1924.

JACK & JILL

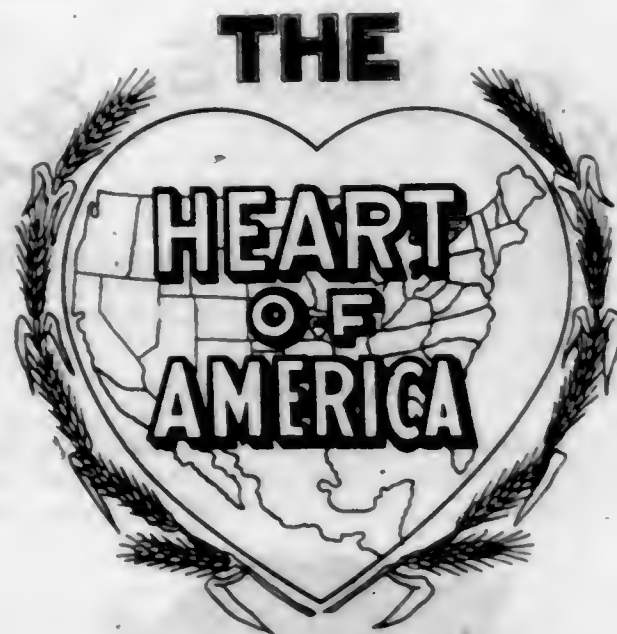
Trade-mark consists in the words "Jack & Jill."
Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 3, 1924.

Ser. No. 202,490. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONTINENTAL DRUG CORPORATION, St. Louis, Mo. Filed Sept. 11, 1924.



The trade-mark is the surname of the president of the applicant corporation and is in his handwriting.
Particular description of goods.—Cathartic Compound in Tablet Form.
Claims use since June 3, 1924.

Ser. No. 202,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RODNEY MILLING COMPANY, Kansas City, Mo. Filed Sept. 11, 1924.



Particular description of goods.—Wheat Flour.
Claims use since Mar. 1, 1924.

Ser. No. 202,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Filed Sept. 11, 1924.

SACCO

Particular description of goods.—Hog Feed.
Claims use since June, 1924.

Ser. No. 202,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Filed Sept. 11, 1924.

SMITHS

Particular description of goods.—Hog Feed.
Claims use since June, 1924.

Ser. No. 202,524. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN T. STANLEY CO., INC., New York, N. Y. Filed Sept. 11, 1924.

PARADOX

Trade-mark consists of the word "Paradox."
Particular description of goods.—Soap.
Claims use since August, 1924.

Ser. No. 202,528. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS. NOT INCLUDING ELECTRICAL APPARATUS. TIRRIILL GAS MACHINE LIGHTING CO., New York, N. Y. Filed Sept. 11, 1924. Under ten-year proviso.

TIRRIILL

Particular description of goods.—Gas Machines, Laboratory Burners, Fuel-Gas Plants, and Appliances for Industrial Uses, Mixing Valves, Storage-Tank Outfits, Inverted and Upright Burners, Mantles, Globes, Gas Ranges, Water Heaters, Radiators, Logs, and Gas Fixtures.
Claims use since December, 1864.

Ser. No. 202,552. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EVANS LEAD COMPANY, Charleston, W. Va. Filed Sept. 12, 1924.

HY-OX

Particular description of goods.—Red Lead.
Claims use since May 15, 1924.

Ser. No. 202,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN A. WHINNEY, doing business as Glycas Medicine Company, Muncie, Ind. Filed Sept. 13, 1924.

GLY-CAS

Particular description of goods.—Blood Medicine.
Claims use since Sept. 5, 1921.

Ser. No. 202,606. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ABBEY & IMBRIE, New York, N. Y. Filed Sept. 15, 1924.

SALMOLINE

Particular description of goods.—Enameled Silk Fly-Casting Lines.
Claims use since about Sept. 1, 1924.

Ser. No. 202,611. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN E. CARLSON, doing business as Wonder Wax Company, Chicago, Ill. Filed Sept. 15, 1924.

Wonder Wax

The right to the exclusive use of the word "Wax" apart from the mark shown is disclaimed by applicant. Such disclaimer is not to be construed as a waiver of any of applicant's common-law rights therein.

Particular description of goods.—Polish for Hardwood Floors, Automobiles, Etc.
Claims use since Mar. 1, 1923.

Ser. No. 202,624. (CLASS 39. CLOTHING.) J. I. GUMPORT AND SONS, INC., New York, N. Y. Filed Sept. 15, 1924.

MONSIEUR Beaucaire

Particular description of goods.—Cravats.
Claims use since May, 1924.

Ser. No. 202,626. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEORGE S. HERSHEY, Los Angeles, Calif. Filed Sept. 15, 1924.

"SHE FILLS HER OWN"

Particular description of goods.—Powder Puffs.
Claims use since Sept. 4, 1924.

Ser. No. 202,627. (CLASS 39. CLOTHING.) HIRSCH-WEIS MANUFACTURING CO., Portland, Oreg. Filed Sept. 15, 1924.

Hirsch-Weis

Particular description of goods.—Waterproof Outer Garments for Men—Namely, Overcoats, Coats, Vests, Trousers, Overalls, and Jackets.
Claims use since 1912.

Ser. No. 202,628. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KLEER CHEMICAL CORPORATION, Chicago, Ill. Filed Sept. 15, 1924.

MOLE

Particular description of goods.—Liquid for Cleaning Glass.
Claims use since Aug. 20, 1924.

Ser. No. 202,653. (CLASS 15. OILS AND GREASES.) WHITE STAR REFINING COMPANY, Detroit, Mich. Filed Sept. 15, 1924.

Staro-Life

Particular description of goods.—Combined Cleanser and Lubricant for Internal-Combustion Engines.
Claims use since about July 1, 1924.

Ser. No. 202,659. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COVERT & WORKMAN, New York, N. Y. Filed Sept. 16, 1924.

Lock Nap

Particular description of goods.—All-Wool Blankets.
Claims use since June 24, 1924.

Ser. No. 202,679. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATRILLE FRERES ET FILS, Les Lillas, France. Filed Sept. 16, 1924.



The wording of trade-mark is disclaimed apart from the mark shown except the words "La Bellotina," "P. Gautier y C.," and "Au Phenix."

Particular description of goods.—Hair Oils.
Claims use since 1870.

Ser. No. 202,682. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Sept. 16, 1924.

Mokara

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 28, 1924.

Ser. No. 202,705. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENKEL & CO. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dusseldorf-Holthausen, Germany. Filed Sept. 17, 1924.

Sil

Particular description of goods.—Preparations for Washing and Scouring Purposes, Soaps, and Washing Powders.
Claims use since December, 1913.

Ser. No. 202,716. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUGUST P. SCHEID, Kalamazoo, Mich. Filed Sept. 17, 1924.

Elsie

Particular description of goods.—Cheese.
Claims use since Jan. 1, 1904.

Ser. No. 202,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CORBY BAKING CO. INC., Washington, D. C. Filed Sept. 18, 1924.

KoKo

Particular description of goods.—Bread.
Claims use since on or about Sept. 8, 1924.

Ser. No. 202,750. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAURO HERRERA, doing business as The Resistol Company, Los Angeles, Calif. Filed Sept. 18, 1924.

RESISTOL

Particular description of goods.—Leather Preservative and Dressing.
Claims use since Sept. 9, 1924.

Ser. No. 202,780. (CLASS 39. CLOTHING.) LA BELLE CLOTHING CO., Steubenville, Ohio. Filed Sept. 19, 1924.

Bonnie Du

Particular description of goods.—Silk and Wool Stockings for Both Men and Women.
Claims use since Apr. 10, 1924.

Ser. No. 202,795. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CLIMALENE COMPANY, Canton, Ohio. Filed Sept. 20, 1924.

BOWLENE

Particular description of goods.—Disinfectant and Deodorizer.
Claims use since 1915.

Ser. No. 202,804. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. & F. GIANFORTI, Harrisburg, Pa. Filed Sept. 20, 1924.



Particular description of goods.—General Tonic.
Claims use since July 28, 1924.

Ser. No. 202,808. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INTERNATIONAL COMPANY, Baltimore, Md. Filed Sept. 20, 1924.

FESTIVAL

Particular description of goods.—Cake.
Claims use since Sept. 8, 1924.

Ser. No. 202,812. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHARLES E. LEDBRECHT, Oakland, Calif. Filed Sept. 20, 1924.

"Fly-ex"

Particular description of goods.—Electric Flytrap.
Claims use since May 22, 1924.

Ser. No. 202,814. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LORRAINE HEALTH INSTITUTION, New Orleans, La. Filed Sept. 20, 1924.

Lorrainets

Trade-mark "Lorrainets."
Particular description of goods.—Remedy for Disorders of the Kidneys, Stomach, and Bowels.
Claims use since January, 1912.

Ser. No. 202,817. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) METROPOLITAN CUTTING & CONVERTING CO. INC., New York, N. Y. Filed Sept. 20, 1924.



Particular description of goods.—Silks, Satins, Cotton Goods in the Piece, and Ribbons.
Claims use since Mar. 1, 1923.

Ser. No. 202,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NUART PRINT WORKS, Garfield, N. J. Filed Sept. 20, 1924.

STITCHPRINT

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 202,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMER CANDY CO., Sioux City, Iowa. Filed Sept. 20, 1924.

PALCO

Particular description of goods.—Candy.
Claims use since Aug. 14, 1924.

Ser. No. 202,824. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHRISTIAN SCHERTZ, New Orleans, La. Filed Sept. 20, 1924.

Oriseptine

Trade-mark "Oriseptine."
Particular description of goods.—Alkaline Antiseptic Deodorant.
Claims use since February, 1900.

Ser. No. 202,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIETRO BARBERA, Burlington, Vt. Filed Sept. 22, 1924.

P. BARBERA

Dreamohealth



Particular description of goods.—Preparation for Treatment of Lung Troubles and Throat Ailments.
Claims use since May 1, 1924.

Ser. No. 202,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY BOBEK, doing business as A. Bobek Co., Monterey Park, Calif. Filed Sept. 22, 1924.

BALMEZE

Particular description of goods.—Medicinal Preparations for the Treatment of Colds, Coughs, Sore Throat, Tonsillitis, Catarrh, Bronchitis, Whooping Cough, Asthma, Neuralgia, Rheumatism, Piles, Burns, Sprains, Insect Bites, Chapped Hands, Earache, and Similar Ailments.
Claims use since Apr. 1, 1924.

Ser. No. 202,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTURY PRODUCTS CO., Chicago, Ill. Filed Sept. 22, 1924.



Particular description of goods.—Soothing and Healing Deodorant Antiseptic Powder.
Claims use since June 20, 1924.

Ser. No. 202,860. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EDMANSON-BOCK CATERING CO., Chicago, Ill. Filed Sept. 22, 1924.



Particular description of goods.—Carbonated, Maltless, Nonalcoholic Beverages and Syrups for Making the Same.
Claims use since July 15, 1924.

Ser. No. 202,861. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EDMANSON-BOCK CATERING CO., Chicago, Ill. Filed Sept. 22, 1924.

Opera Club

Particular description of goods.—Carbonated, Maltless, Nonalcoholic Beverages and Syrups for Making the Same.
Claims use since Sept. 10, 1924.

Ser. No. 202,877. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed Sept. 22, 1924.

KO-KO-LEM

Particular description of goods.—Soap.
Claims use since June 4, 1924.

Ser. No. 202,878. (CLASS 12. CONSTRUCTION MATERIALS.) OTTO F. LOUIS, Bay City, Mich. Filed Sept. 22, 1924.

HOTELETTE

Particular description of goods.—Small Portable Houses.
Claims use since Aug. 5, 1924.

Ser. No. 202,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISIANA FARM BUREAU RICE GROWERS CO-OPERATIVE ASSN., Crowley, La. Filed Sept. 22, 1924.

GULF KIST

Particular description of goods.—Rice.
Claims use since Mar. 15, 1924.

Ser. No. 202,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE COUNTY FRUIT EXCHANGE, Orange, Calif. Filed Sept. 22, 1924.

ORCO

Particular description of goods.—Fresh Citrous Fruits—Namely, Fresh Oranges.
Claims use since July 1, 1924.

Ser. No. 202,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POLAR ICE LABORATORY, Kansas City, Mo. Filed Sept. 22, 1924.



Particular description of goods.—Toilet Preparations—Namely, Cold Cream, Blackhead Remover, and Skin Beautifier.
Claims use since Oct. 1, 1923.

Ser. No. 202,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE WERKE GRENZACH AKTIENGESellschaft, Grenzach, Baden, Germany. Filed Sept. 23, 1924.

Curral

Particular description of goods.—Soporific.
Claims use since about Apr. 5, 1919.

Ser. No. 202,951. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PAYSON VARNISH CO., New York, N. Y. Filed Sept. 23, 1924.

FLATOLIN

Particular description of goods.—Ready-Mixed Paints.
Claims use since Sept. 27, 1922.

Ser. No. 202,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Sept. 23, 1924.

VARIA

Particular description of goods.—Bath Salts.
Claims use since Sept. 17, 1924.

Ser. No. 202,970. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT ALEXANDER BACHMANN, doing business as The Sanitube Company, Newport, R. I. Filed Sept. 24, 1924.



Particular description of goods.—Preparation for Use as a Gargle or Mouth Wash in General, and Particularly for the Prevention of Pyorrhea.
Claims use since Sept. 15, 1924.

Ser. No. 202,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. BILHUBER, INC., New York, N. Y. Filed Sept. 24, 1924.

THEOCALCIN

Particular description of goods.—Medical Preparation for Treatment of the Kidneys and Heart.
Claims use since June 11, 1924.

Ser. No. 202,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Sept. 24, 1924.

TOASTERETTES

"Toasterettes."
Particular description of goods.—Crackers.
Claims use since Aug. 1, 1923.

Ser. No. 203,007. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROUBAIX MILLS, INC., New York, N. Y., and Clinton, Mass. Filed Sept. 24, 1924.

Kashmorel

Particular description of goods.—Piece Goods Made of Wool.
Claims use since Aug. 21, 1924.

Ser. No. 203,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Sept. 25, 1924.

TENTATION

Particular description of goods.—Fabrics Made of Silk.
Claims use since Sept. 2, 1924.

Ser. No. 203,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WAMSUTTA MILLS, New Bedford, Mass. Filed Sept. 25, 1924.

AMERICLOTH

No claim is made to the exclusive use of the word "Cloth" apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 16, 1924.

Ser. No. 203,073. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WEINBERG & WITT, INC., New York, N. Y. Filed Sept. 26, 1924.



Particular description of goods.—Velvet, Silk, Satin, and Cotton and Silk Mixture Fabrics in the Piece and Velvet, Silk, Satin, and Cotton and Silk Mixture Ribbons.
Claims use since Jan. 25, 1921.

Ser. No. 203,081. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JULIUS KATZER & CO., New York, N. Y. Filed Sept. 26, 1924.

Triconese

Particular description of goods.—Fabric and Piece Goods Made of Silk, Artificial Silk, Cotton, or a Combination Thereof.
Claims use since Mar. 1, 1924.

Ser. No. 203,085. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 26, 1924.

SILVERSUCKER

Particular description of goods.—Cotton Goods and Goods of Cotton and Artificial Silk Mixed in the Piece.
Claims use since June, 1924.

Ser. No. 203,086. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & COMPANY INCORPORATED, Philadelphia, Pa. Filed Sept. 26, 1924.

OBELISK

Particular description of goods.—Lacquers.
Claims use since Apr. 8, 1924.

Ser. No. 203,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SOFSTEP COMPANY, New York, N. Y. Filed Sept. 26, 1924.

SOFTSTEP

Particular description of goods.—Foot Powders.
Claims use since Sept. 1, 1924.

Ser. No. 203,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIRGINIA SMELTING COMPANY, Portland, Me. Filed Sept. 26, 1924.

ESOTOO

Particular description of goods.—Liquid Sulphur Dioxide.
Claims use since Sept. 6, 1924.

Ser. No. 203,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARLINGTON CHEMICAL CO., Yonkers, N. Y. Filed Sept. 27, 1924.

NEO-CULTOL

Particular description of goods.—Medicinal Preparation to be Used as a Remedy for Intestinal Troubles.
Claims use since on or about Aug. 29, 1924.

Ser. No. 203,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONTINENTAL LABORATORIES, INC., New York, N. Y. Filed Sept. 27, 1924.

KEROSES

VAGINAL TABLETS

No claim is made to the words "Vaginal Tablets" apart from the mark shown.

Particular description of goods.—Vaginal, Antiseptic, Prophylactic, and Deodorant Tablets.
Claims use since July 1, 1923.

Ser. No. 203,112. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ABRAHAM L. CURSHEN, doing business as Nodust Products Company, Muncie, Ind. Filed Sept. 27, 1924.

Nodust

Particular description of goods.—Cleansing and Polishing Cloth.
Claims use since Jan. 7, 1924.

Ser. No. 203,115. (CLASS 39. CLOTHING.) FORESTER SHOE MANUFACTURING COMPANY, Seattle, Wash. Filed Sept. 27, 1924.

COMFORT

DURATAN

WEAR

No claim is made to the words "Comfort" and "Wear" apart from the mark shown in the drawing.

Particular description of goods.—Leather Boots and Shoes.
Claims use since Aug. 5, 1924.

Ser. No. 203,119. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Sept. 27, 1924.

ALL IN ONE

Particular description of Goods.—Cooking Utensils Made of Aluminum or Alloys of Aluminum.
Claims use since Jan. 5, 1924.

Ser. No. 203,139. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO., Inc., New York, N. Y. Filed Sept. 27, 1924.

Attaboy

Particular description of goods.—Gray, Colored, Woven, Bleached, Dyed, or Printed Cotton Piece Goods.
Claims use since July 10, 1924.

Ser. No. 203,145. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) THE PLEE-ZING CORPORATION, New York, N. Y. Filed Sept. 27, 1924.

PLEE-ZING

Particular description of goods.—Matches.
Claims use since July, 1924.

Ser. No. 203,170. (CLASS 12. CONSTRUCTION MATERIALS.) EXCHANGE SAWMILLS SALES COMPANY, Kansas City, Mo. Filed Sept. 29, 1924.

ESSCO

Particular description of goods.—Lumber.
Claims use since July 20, 1924.

Ser. No. 203,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE HORBS, doing business as Products Research Laboratories, Los Angeles, Calif. Filed Sept. 29, 1924.

KiLTax

Particular description of goods.—Preparation for Exterminating the Growth of Hair.
Claims use since Aug. 15, 1924.

Ser. No. 203,180. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. HOENIGSBERGER, Chicago, Ill. Filed Sept. 29, 1924.

Conservatory

Particular description of goods.—Woven, Knitted, and Netted Textile Fabrics in the Piece Made of Silk, Artificial Silk, Mohair, Fiber, Haircloth, Jute, Linen, Cotton, or Various Combinations Thereof.
Claims use since Feb. 24, 1921.

Ser. No. 203,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORA ELIZABETH NASH, doing business as Elizabeth Nash, Newark, N. J. Filed Sept. 29, 1924.

ELNA

Particular description of goods.—Face Powder.
Claims use since about Aug. 29, 1924.

Ser. No. 203,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORA ELIZABETH NASH, doing business as Elizabeth Nash, Newark, N. J. Filed Sept. 29, 1924.

ELNA

Particular description of goods.—Face Creams, Cleansing Creams, Tissue Creams, and Foundation Creams.
Claims use since about July 19, 1924.

Ser. No. 203,197. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Sept. 29, 1924.

FLAXINE

Particular description of goods.—Composition Ready or Prepared Roofing.
Claims use since about 1892.

Ser. No. 203,199. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Sept. 29, 1924.

Flaxatex

Particular description of goods.—Asphalt Saturated and Coated Reinforcing Felt for Build-Up Roofing, Waterproofing, and Dampproofing Used in Connection with Building Constructions.

Claims use since about Aug. 1, 1923.

Ser. No. 203,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COR-PUR PRODUCTS COMPANY, Ogden, Utah. Filed Sept. 30, 1924.

COR-PUR

Particular description of goods.—Boiler-Cleaning Compound.

Claims use since May 3, 1924.

Ser. No. 203,241. (CLASS 39. CLOTHING.) THE RILEY SHOE MANUFACTURING CO., Columbus, Ohio. Filed Sept. 30, 1924.

ARCH RELIEF

Particular description of goods.—Shoes Made of Leather and of Leather and Fabric Combinations.

Claims use since June 3, 1919.

Ser. No. 203,255. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHEP STEEL WOOL CO., INC., New York, N. Y. Filed Oct. 1, 1924.

CHEP

Particular description of goods.—Steel Wool, Soap, and Combination Packages Containing Steel Wool and Soap.

Claims use since about Sept. 18, 1924.

Ser. No. 203,320. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LOS ANGELES CREAMERY COMPANY, Los Angeles, Calif. Filed Oct. 2, 1924.

ELECTRUCK

Particular description of goods.—Motor Trucks.

Claims use since June 15, 1912.

Ser. No. 203,341. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) ALEXANDER F. STORGER, New York, N. Y. Filed Oct. 2, 1924.

Rheinmetall

Particular description of goods.—Shotguns.

Claims use since July 20, 1923.

Ser. No. 203,355. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WHEARY-BURGE TRUNK COMPANY, Racine, Wis. Filed Oct. 2, 1924.

Rigid Tested CONSTRUCTION

The word "Construction" is disclaimed apart from the mark shown and without waiver of any common-law rights. "Rigid Tested" is disclaimed apart from the mark as shown.

Particular description of goods.—Trunks.

Claims use since February, 1923.

Ser. No. 203,391. (CLASS 39. CLOTHING.) SMALTZ-GOODWIN COMPANY, Philadelphia, Pa. Filed Oct. 3, 1924.

PennDelphia

Particular description of goods.—Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric, Leather and Rubber, and Fabric and Rubber.

Claims use since Aug. 20, 1924.

Ser. No. 203,401. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed Oct. 4, 1924.

WALL-TEX

Particular description of goods.—Oilcloth.

Claims use since July 1, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 11, 1924.

191,408. ELECTRIC TOOLS FOR DRIVING STUDS, NUTS, WRENCHES, DRILLS, CAP SCREWS, WOOD SCREWS, ETC. ELECTRIC MANUFACTURING COMPANY INC., Syracuse, N. Y.

Filed May 17, 1924. Serial No. 197,196. PUBLISHED AUGUST 12, 1924.

191,409. PASSENGER-IDENTIFICATION SLIP. BRUCE L. COSNER, Enid, Okla.

Filed May 16, 1924. Serial No. 197,136. PUBLISHED AUGUST 5, 1924.

191,410. MAGAZINE PUBLISHED WEEKLY. THE INDEPENDENT PUBLICATIONS, INC., Boston, Mass.

Filed May 10, 1924. Serial No. 196,870. PUBLISHED AUGUST 19, 1924.

191,411. COMBS. JOANNOT FILS & CIE., Paris, France.

Filed May 7, 1924. Serial No. 196,707. PUBLISHED AUGUST 19, 1924.

191,412. FLAT WRITING BINDINGS. MILTON C. JOHNSON CO., New York, N. Y.

Filed May 6, 1924. Serial No. 196,663. PUBLISHED JULY 29, 1924.

191,413. CONDENSERS, RHEOSTATS, SOCKETS, LIGHTNING ARRESTERS, LOUD SPEAKERS, HEAD SETS, AND RECEIVING SETS. KIRKMAN ENGINEERING CORPORATION, New York, N. Y.

Filed May 3, 1924. Serial No. 196,524. PUBLISHED AUGUST 12, 1924.

191,414. ECONOMIC-SERVICE PUBLICATION ISSUED EACH WEEK. UNITED BUSINESS SERVICE COMPANY, Boston, Mass.

Filed May 2, 1924. Serial No. 196,493. PUBLISHED AUGUST 19, 1924.

191,415. ELECTRIC INSULATORS. THE TRENTON PORCELAIN COMPANY, Trenton, N. J.

Filed May 2, 1924. Serial No. 196,488. PUBLISHED AUGUST 12, 1924.

191,416. RADIO RECEIVING SETS AND PARTS THEREOF. DANZIGER-JONES, INC., New York, N. Y.

Filed May 2, 1924. Serial No. 196,441. PUBLISHED AUGUST 12, 1924.

191,417. RADIO RECEIVING SETS AND PARTS THEREOF. BROADCAST MANUFACTURES, INC., New York, N. Y.

Filed May 2, 1924. Serial No. 196,420. PUBLISHED AUGUST 12, 1924.

191,418. ELECTRICALLY-OPERATED MEAT AND BONE CUTTING MACHINES. VAUGHAN COMPANY, Chicago, Ill.

Filed April 30, 1924. Serial No. 196,359. PUBLISHED AUGUST 12, 1924.

191,419. HAIR CURLERS. CUPID HAIR CURLER CO., Lowell, Mass.

Filed April 30, 1924. Serial No. 196,334. PUBLISHED AUGUST 19, 1924.

191,420. CRYSTALS AND CRYSTAL DETECTORS OR RECTIFIERS FOR REFLEX OR OTHER CIRCUITS. HAROLD C. BRECKENRIDGE, doing business as The Breckenridge Electric Company, Detroit, Mich.

Filed April 30, 1924. Serial No. 196,330. PUBLISHED AUGUST 12, 1924.

191,421. RADIO RECEIVING SETS AND PARTS THEREOF. PATHE PHONOGRAPH AND RADIO CORPORATION, Brooklyn, N. Y.

Filed April 22, 1924. Serial No. 195,982. PUBLISHED AUGUST 12, 1924.

191,422. RADIO RECEIVING SETS AND PARTS THEREOF. PATHE PHONOGRAPH AND RADIO CORPORATION, Brooklyn, N. Y.

Filed April 22, 1924. Serial No. 195,981. PUBLISHED AUGUST 12, 1924.

191,423. WRAPPING PAPER. ORONO PULP & PAPER COMPANY, Bangor, Me.

Filed April 7, 1924. Serial No. 195,122. PUBLISHED AUGUST 12, 1924.

191,424. RADIO ELECTRICAL APPARATUS AND COMPONENT PARTS THEREOF COMPRISING CONDENSERS, TRANSFORMERS, RHEOSTATS, VARIOMETERS, VARIOCOUPERS, COILS, GRID LEAKS, ANTENNA EQUIPMENT, INSULATORS, DIALS, POTENTIOMETERS, BATTERY CHARGERS. THE MYDAR RADIO CO., Newark, N. J.

Filed April 7, 1924. Serial No. 195,118. PUBLISHED AUGUST 12, 1924.

191,425. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.

Filed April 3, 1924. Serial No. 194,913. PUBLISHED AUGUST 5, 1924.

191,426. WASHING AND CLEANSING PREPARATION. KENDALL MANUFACTURING COMPANY, Providence, R. I.

Filed March 26, 1924. Serial No. 194,451. PUBLISHED AUGUST 12, 1924.

191,427. STATIONERY SETS. THE KOPPER KRAFT SHOPS, INC., Buffalo, N. Y.

Filed March 25, 1924. Serial No. 194,403. PUBLISHED AUGUST 5, 1924.

191,428. PREPARATIONS FOR CLEANING, SHINING, AND POLISHING SHOES AND ALL LEATHER ARTICLES. THE HERRIOTT POLISH COMPANY, St. Louis, Mo.

Filed April 26, 1924. Serial No. 196,168. PUBLISHED AUGUST 12, 1924.

191,429. WASHING POWDER FOR DISHES AND LIKE ARTICLES. CHEMO PRODUCTS CO., New York, N. Y.

Filed March 5, 1924. Serial No. 193,272. PUBLISHED AUGUST 12, 1924.

191,430. CHOCOLATE BRITTLE CANDY CONTAINING ALMONDS. BROWN & HALEY, Tacoma, Wash.

Filed March 10, 1924. Serial No. 193,500. PUBLISHED AUGUST 12, 1924.

191,431. LINIMENT. CHARLES E. BARRETT, doing business as The Barrett Liniment Co., New York, N. Y.

Filed March 22, 1924. Serial No. 194,248. PUBLISHED AUGUST 19, 1924.

191,432. LINIMENT. CHARLES E. BARRETT, doing business as The Barrett Liniment Co., New York, N. Y.

Filed March 22, 1924. Serial No. 194,249. PUBLISHED AUGUST 19, 1924.

191,433. MEDICINE FOR GONORRHEA, GLEET, AND STRICTURE. THOMAS SIMPSON, Beaumont, Tex.

Filed March 22, 1924. Serial No. 194,307. PUBLISHED AUGUST 19, 1924.

- 191,434. RADIO APPARATUS, PARTS, AND SUPPLIES, PARTICULARLY RECEIVING SETS. MUSICAL PRODUCTS DISTRIBUTING CO. INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,730. PUBLISHED AUGUST 12, 1924.
- 191,435. FACIAL CREAM. RUBY LUDINGTON, Seattle, Wash.
Filed April 3, 1924. Serial No. 194,931. PUBLISHED AUGUST 19, 1924.
- 191,436. CERTAIN NAMED TOILET PREPARATIONS. THE BALDWIN PERFUMERY CO., Chicago, Ill.
Filed April 1, 1924. Serial No. 194,770. PUBLISHED AUGUST 19, 1924.
- 191,437. RADIO RECEIVING SETS AND PARTS THEREOF. CUTTING & WASHINGTON RADIO CORPORATION, Minneapolis, Minn.
Filed April 4, 1924. Serial No. 194,982. PUBLISHED AUGUST 12, 1924.
- 191,438. MATCHES AND MATCH PACKS. KAY AND ELLINGER, INC., New York, N. Y.
Filed April 4, 1924. Serial No. 195,004. PUBLISHED JUNE 3, 1924.
- 191,439. TOILET PREPARATIONS—NAMELY, COLD CREAM. JAMES A. HEARN & SON INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,283. PUBLISHED AUGUST 19, 1924.
- 191,440. CHEMICAL COMPOUND FOR CLEANING REAL AND ARTIFICIAL PEARLS. SIGMUND G. HECHT, doing business as Pearlgo Co., New York, N. Y.
Filed April 11, 1924. Serial No. 195,397. PUBLISHED AUGUST 12, 1924.
- 191,441. MEDICINAL PADS FOR WEAR ON THE THROAT AND CHEST FOR THE RELIEF OF COUGHS, COLDS, BRONCHITIS, HOARSENESS, HAY FEVER, TONSILLITIS, AND THROAT AND LUNG TROUBLE. CRAWFORD & STANLEY, Salem, Ohio.
Filed April 14, 1924. Serial No. 195,499. PUBLISHED AUGUST 19, 1924.
- 191,442. SILK PIECE GOODS. B. EDMUND DAVID, INC., New York, N. Y.
Filed April 14, 1924. Serial No. 195,501. PUBLISHED AUGUST 19, 1924.
- 191,443. SALT-CURED SMOKED HAM AND BACON. CANNED CAVIAR, AND CAMEMBERT CHEESE. V. V. LEBEDJEFF, INC., New York, N. Y.
Filed April 14, 1924. Serial No. 195,526. PUBLISHED SEPTEMBER 9, 1924.
- 191,444. MAGAZINE PUBLISHED MONTHLY. ALBERT PUBLISHING CO., New York, N. Y., assignor to Dell Publishing Company, New York, N. Y.
Filed April 18, 1924. Serial No. 195,729. PUBLISHED AUGUST 12, 1924.
- 191,445. PREPARATIONS FOR CLEANING, SHINING, AND POLISHING SHOES AND ALL LEATHER ARTICLES. THE HERRIOTT POLISH COMPANY, St. Louis, Mo.
Filed April 21, 1924. Serial No. 195,887. PUBLISHED AUGUST 12, 1924.
- 191,446. MEDICINE FOR COUGHS AND COLDS AND FOR STOMACH, LIVER, KIDNEY, BLADDER, STONE AND GRAVEL TROUBLE. A. THIEME CO., Chicago, Ill.
Filed April 21, 1924. Serial No. 195,923. PUBLISHED AUGUST 19, 1924.
- 191,447. COMBS. SUPERIOR NOVELTY MFG. CO., INC., Linden, N. J.
Filed April 26, 1924. Serial No. 196,204. PUBLISHED AUGUST 12, 1924.

- 191,448. GASEOUS-FUEL COMPOUNDS SUITABLE FOR THE CUTTING AND WELDING OF METALS. THE FERROLENE OXYGEN COMPANY OF AMERICA, Cleveland, Ohio.
Filed July 5, 1924. Serial No. 199,615. PUBLISHED AUGUST 19, 1924.
- 191,449. AROMATIC EPSOM SALTS. AROSALTS COMPANY, Atlanta, Ga.
Filed July 5, 1924. Serial No. 199,598. PUBLISHED AUGUST 19, 1924.
- 191,450. HAIRDRESSING. CHARLES GRANT PYLE, doing business as Egg-O-Wave Company, Youngstown, Ohio.
Filed July 3, 1924. Serial No. 199,573. PUBLISHED AUGUST 19, 1924.
- 191,451. ANIMAL MEDICINES: MANGE MEDICINE, DISTEMPER MEDICINE, VERMIFUGE, WORM CAPSULES, TAPEWORM CAPSULES, CONDITION PILLS, CANKER WASH, EYE LOTION, BLOOD PURIFIER, DIARRHEA MEDICINE, FIT MEDICINE, TONIC, COUGH MIXTURE, SORE-FOOT MEDICINE, BLACK-TONGUE MEDICINE, COMPOUND SULPHUR TABLETS, DIGESTIVE PILLS, LINIMENT, AND LIVER PILLS. H. CLAY GLOVER CO., INC., New York, N. Y.
Filed July 3, 1924. Serial No. 199,552. PUBLISHED AUGUST 19, 1924.
- 191,452. FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, SHAMPOOS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FACE PACKS, AND SACHET POWDERS. ELIZABETH FELLINGER, doing business as Elizabeth Fellingier School of Beauty Culture, New York, N. Y.
Filed July 3, 1924. Serial No. 199,548. PUBLISHED AUGUST 19, 1924.
- 191,453. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,534. PUBLISHED AUGUST 26, 1924.
- 191,454. LAUNDRY BLUE. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y.
Filed July 2, 1924. Serial No. 199,484. PUBLISHED AUGUST 19, 1924.
- 191,455. DAILY PUBLICATION. PUBLIC PRESS CORPORATION, New York, N. Y.
Filed June 28, 1924. Serial No. 199,321. PUBLISHED AUGUST 19, 1924.
- 191,456. DAILY PUBLICATION. THE W. C. PLATT COMPANY, Cleveland, Ohio.
Filed June 28, 1924. Serial No. 199,315. PUBLISHED AUGUST 19, 1924.
- 191,457. WASHING AND CLEANSING PREPARATIONS. KENDALL MANUFACTURING COMPANY, Providence, R. I.
Filed June 28, 1924. Serial No. 199,286. PUBLISHED AUGUST 12, 1924.
- 191,458. LIQUID MEDICINE TO BE TAKEN INTERNALLY FOR THE TREATMENT OF HOARSENESS, COUGHS, COLDS, AND CROUP. ADDIE E. SMITH, doing business as Smith Brothers, Oakland, Calif.
Filed June 27, 1924. Serial No. 199,260. PUBLISHED AUGUST 19, 1924.
- 191,459. PREPARATION FOR THE HAIR AND SCALP. NEW ENGLAND LABORATORY CO., Lynn, Mass.
Filed June 27, 1924. Serial No. 199,240. PUBLISHED AUGUST 19, 1924.
- 191,460. PREPARATION FOR THE TREATMENT OF ITCH AND OTHER SKIN DISEASES. L. J. SHARP, doing business as Sitticide Company, Commerce, Ga.
Filed June 26, 1924. Serial No. 199,190. PUBLISHED AUGUST 19, 1924.

- 191,461. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, BRILLIANTINE, EAU DE COLOGNE, AND LOTION FOR THE SKIN AND HAIR. ARMAND SCHUHL, doing business as Oriza L. Legrand, Paris, France.
Filed June 26, 1924. Serial No. 199,186. PUBLISHED AUGUST 19, 1924.
- 191,462. OINTMENT OR ANTISEPTIC PREPARATION. HAIR TONIC, AND TOOTH PASTE. THE PONCEROL COMPANY, Philadelphia, Pa.
Filed June 26, 1924. Serial No. 199,183. PUBLISHED AUGUST 19, 1924.
- 191,463. OVOID PILLS. A BIOLOGICAL PRODUCT TO BE USED IN ORGANOTHERAPY. ENDOCRINE INSTITUTE, INC., New York, N. Y.
Filed June 26, 1924. Serial No. 199,166. PUBLISHED AUGUST 19, 1924.
- 191,464. LAUNDRY SOAP. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed June 25, 1924. Serial No. 199,132. PUBLISHED AUGUST 12, 1924.
- 191,465. COMPLEXION LOTION. LILLIAN ST. LEON, New York, N. Y.
Filed June 24, 1924. Serial No. 199,095. PUBLISHED AUGUST 19, 1924.
- 191,466. WINE TONIC KNOWN AS DEW-VITA, CONTAINING IRON, PORT WINE, AND EXTRACT OF GENTIAN ROOT, FOR USE AS A TONIC, BLOOD PURIFIER, AND STOMACH MEDICINE. H. T. DEWEY & SONS COMPANY, New York, N. Y.
Filed June 23, 1924. Serial No. 198,991. PUBLISHED AUGUST 19, 1924.
- 191,467. PHARMACEUTICAL PREPARATION COMPOSED OF ANIMAL AND VEGETABLE FERMENTS OR ENZYMES FOR INDIGESTION. CATHCART AND CATHCART, INC., Newburgh, N. Y.
Filed June 23, 1924. Serial No. 198,984. PUBLISHED AUGUST 19, 1924.
- 191,468. MEDICINAL PREPARATION—NAMELY, A GERMICIDE AND DEODORANT USED AS A WASH FOR THE TEETH, MOUTH, NOSE, AND THROAT. OTTO H. MILLER, doing business as Mer-doe Chemical Co., Wilmington, Del.
Filed June 21, 1924. Serial No. 198,953. PUBLISHED AUGUST 19, 1924.
- 191,469. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,922. PUBLISHED AUGUST 12, 1924.
- 191,470. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,918. PUBLISHED AUGUST 19, 1924.
- 191,471. SHOULDER STRAP FOR LADIES' UNDERWEAR. ANNE W. GEIGERMAN, New York, N. Y.
Filed June 19, 1924. Serial No. 198,798. PUBLISHED AUGUST 12, 1924.
- 191,472. PREPARATIONS FOR CLEANING AND POLISHING SHOES, SOME OF WHICH PREPARATIONS INCLUDE A DYE INGREDIENT. THE REX-OIL COMPANY, INC., Pittsburgh, Pa.
Filed June 12, 1924. Serial No. 198,476. PUBLISHED AUGUST 12, 1924.
- 191,473. CANNED AND PRESERVED FISH. ISAAC EPSTEIN, Newark, N. J.
Filed June 10, 1924. Serial No. 198,028. PUBLISHED AUGUST 19, 1924.
- 191,474. PREPARATION FOR THE TREATMENT OF TUBERCULAR, PULMONARY, AND BRONCHIAL AFFECTIONS. RAYMER PHARMACAL COMPANY, Philadelphia, Pa.
Filed May 1, 1924. Serial No. 196,403. PUBLISHED AUGUST 19, 1924.

- 191,475. ANTISEPTIC OINTMENT. THE SULPHO-NAPHTHOL COMPANY, Boston, Mass.
Filed May 1, 1924. Serial No. 196,409. PUBLISHED AUGUST 12, 1924.
- 191,476. TONIC FOR SOUR STOMACH, BILIOUSNESS, KIDNEY AND BLADDER TROUBLES, INDIGESTION, DYSPEPSIA, COSTIVENESS, CONSTIPATION, PILES, CHILLS AND FEVER, AGUE, NERVOUSNESS, BACKACHE, AND RHEUMATISM, AND BLOOD AND NERVES. HICKMAN & DOZIER, doing business as Aunt Lou Medicine Company, Winnsboro, La.
Filed May 2, 1924. Serial No. 196,456. PUBLISHED AUGUST 19, 1924.
- 191,477. PREPARATION FOR AN OINTMENT FOR ECZEMA. ARZA NELSON HENDERSON, Watertown, N. Y.
Filed May 5, 1924. Serial No. 196,593. PUBLISHED AUGUST 19, 1924.
- 191,478. MEDICINE FOR HAY FEVER, ASTHMA, NASAL CATARRH, AND COLDS. JERRY E. PHELPS, Pierre, S. Dak.
Filed May 5, 1924. Serial No. 196,619. PUBLISHED AUGUST 19, 1924.
- 191,479. BARRETTES AND COMBS MADE OF PYROXYLIN. PACIFIC NOVELTY COMPANY, New York, N. Y.
Filed May 6, 1924. Serial No. 196,671. PUBLISHED AUGUST 12, 1924.
- 191,480. HAIR TONIC. THE F. W. FITCH COMPANY, Des Moines, Iowa.
Filed May 8, 1924. Serial No. 196,734. PUBLISHED AUGUST 19, 1924.
- 191,481. MONTHLY MAGAZINES. THE MASONIC SERVICE ASSOCIATION OF THE UNITED STATES, Washington, D. C.
Filed May 9, 1924. Serial No. 196,819. PUBLISHED AUGUST 12, 1924.
- 191,482. A PREPARATION FOR THE SKIN AND SCALP AND AN OINTMENT FOR EXTERNAL USE INTENDED TO REDUCE INFLAMMATION, RELIEVE ITCHING AND OTHER IRRITATIONS OF THE SKIN AND SCALP. THE E. W. ROSE COMPANY, Cleveland, Ohio.
Filed May 9, 1924. Serial No. 196,824. PUBLISHED AUGUST 19, 1924.
- 191,483. NARROW FABRICS—NAMELY, ELASTICS. MILTON H. BHOW, New York, N. Y.
Filed May 22, 1924. Serial No. 197,411. PUBLISHED AUGUST 12, 1924.
- 191,484. PUBLICATIONS ISSUED AT REGULAR INTERVALS. NEW ENGLAND ELECTRIC SPECIALTY CO., now by change of name Northeastern Radio Inc., Boston, Mass.
Filed May 27, 1924. Serial No. 197,674. PUBLISHED AUGUST 12, 1924.
- 191,485. PUBLICATIONS ISSUED AT REGULAR INTERVALS. NEW ENGLAND ELECTRIC SPECIALTY CO., now by change of name Northeastern Radio Inc., Boston, Mass.
Filed May 27, 1924. Serial No. 197,675. PUBLISHED AUGUST 12, 1924.
- 191,486. MATTRESSES. SHIPMAN BROTHERS, Newark, N. J.
Filed May 28, 1924. Serial No. 197,783. PUBLISHED AUGUST 19, 1924.
- 191,487. RED OIL. THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio.
Filed May 31, 1924. Serial No. 197,904. PUBLISHED AUGUST 19, 1924.
- 191,488. METAL FLUX FOR BRAZING CAST IRON. VIRGIL E. SHAW, Rockford, Ill.
Filed May 31, 1924. Serial No. 197,910. PUBLISHED AUGUST 19, 1924.

- 191,489. HAIR TONIC. MARY S. HAYES, doing business as M. S. H. Co., Boston, Mass.
Filed June 2, 1924. Serial No. 197,933. PUBLISHED AUGUST 19, 1924.
- 191,490. BAKING POWDER. FRANK CARPENTER, doing business as The Velvo Baking Powder Co., Charleston, S. C.
Filed June 5, 1924. Serial No. 198,112. PUBLISHED AUGUST 19, 1924.
- 191,491. ANALEPTIC ALTERATIVE NUTRITIVE BODY BUILDER AND BLOOD PURIFIER, INDICATED IN ALL BLOOD AND SKIN WASTING AND EXHAUSTED CONDITION OF THE SYSTEM, AND MADE INTO A PERFECTLY PALATABLE TONIC. SCOTT WILBUR JOHNSON, doing business as Pure Drug Products Co., Cincinnati, Ohio.
Filed June 10, 1924. Serial No. 198,359. PUBLISHED AUGUST 19, 1924.
- 191,492. TITLE OF A PERIODICAL PUBLICATION DEVOTED TO THE SUBJECT OF BUILDINGS, THEIR DESIGN, CONSTRUCTION, PSYCHOLOGICAL AND ECONOMIC VALUE, TOGETHER WITH OTHER SUBJECTS RELATING THERETO. TILGHMAN MOYER COMPANY, Allentown, Pa.
Filed June 10, 1924. Serial No. 198,388. PUBLISHED AUGUST 12, 1924.
- 191,493. FOLDING TENTS. THE PLAYTIME MANUFACTURING COMPANY, Columbus, Ohio.
Filed June 12, 1924. Serial No. 198,473. PUBLISHED AUGUST 12, 1924.
- 191,494. ASSEMBLED RADIO RECEIVING SETS AND COMPONENT PARTS THEREOF. THE AROLIAN COMPANY, New York, N. Y.
Filed June 27, 1922. Serial No. 166,125. PUBLISHED AUGUST 12, 1924.
- 191,495. COMBINATION FOUNTAIN PENS AND PENCILS. PEN-O-PENCIL COMPANY, New York, N. Y.
Filed January 29, 1923. Serial No. 175,268. PUBLISHED AUGUST 12, 1924.
- 191,496. STICKER TAPE-MOISTENING MACHINES. ALFRED H. KEAST, San Francisco, Calif.
Filed March 14, 1923. Serial No. 177,441. PUBLISHED JULY 29, 1924.
- 191,497. CARD-INDEX SYSTEM. RONEO LIMITED, Holborn, London, England.
Filed May 9, 1923. Serial No. 180,389. PUBLISHED JULY 22, 1924.
- 191,498. ELECTRICAL APPARATUS FOR USE IN AUTOMATIC TRAIN-CONTROL SYSTEMS. THE REGAN SAFETY DEVICES COMPANY, INC., New York, N. Y.
Filed May 14, 1923. Serial No. 180,618. PUBLISHED AUGUST 12, 1924.
- 191,499. TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS. STRAUDEL MACHINE COMPANY, Green Bay, Wis.
Filed June 15, 1923. Serial No. 182,072. PUBLISHED JULY 29, 1924.
- 191,500. WATERPROOFING AND SEAL-FORMING MATERIALS ADAPTED TO FORM PROTECTIVE COATINGS OR HERMETIC SEALS. CELLO PRODUCTS INCORPORATED, New York, N. Y.
Filed June 18, 1923. Serial No. 182,133. PUBLISHED JULY 22, 1924.
- 191,501. ELECTRICALLY-CONTROLLED GAS FURNACES. KAUFFMAN-NORTON Co., San Francisco, Calif.
Filed June 19, 1923. Serial No. 182,215. PUBLISHED AUGUST 26, 1924.
- 191,502. OILLESS CORE BINDER. THE OILLESS CORE BINDER COMPANY, Cleveland, Ohio.
Filed July 30, 1923. Serial No. 183,849. PUBLISHED JULY 29, 1924.

- 191,503. LEAD AND COPYING PENCILS. GRAFO PENCIL COMPANY, LTD., Ceske Budejovice, Czechoslovakia.
Filed August 14, 1923. Serial No. 184,445. PUBLISHED JULY 29, 1924.
- 191,504. CERTAIN NAMED PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed October 22, 1923. Serial No. 187,287. PUBLISHED JULY 22, 1924.
- 191,505. CERTAIN NAMED PAPER AND STATIONERY. SICHEL-BLEISTITTFABRIK A. G. vorm. M. Melnitsberger & Co., Nuremberg, Germany.
Filed November 3, 1923. Serial No. 187,962. PUBLISHED JULY 29, 1924.
- 191,506. CERTAIN SOAP AND POLISHING MATERIALS. AKTIEBOLAGET YVY-FABRIKEN, Ystad, Sweden.
Filed January 22, 1924. Serial No. 191,114. PUBLISHED AUGUST 19, 1924.
- 191,507. FABRICATED COMPOSITE MATERIALS IN THE FORM OF SHEETS AND STRIPS FOR ELECTRICAL INSULATION PURPOSES. MICA INSULATOR COMPANY, New York, N. Y.
Filed January 26, 1924. Serial No. 191,335. PUBLISHED AUGUST 12, 1924.
- 191,508. TOILET TISSUE PAPER. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y.
Filed January 31, 1924. Serial No. 191,555. PUBLISHED JULY 29, 1924.
- 191,509. RADIO SETS ADAPTED FOR COMBINATION WITH PHONOGRAPHS, RADIO RECEIVING SETS, LOUD SPEAKERS, TRANSFORMERS, RECTIFIERS, AND HEAD RECEIVING SETS. WALTER LYTTON, INC., Chicago, Ill.
Filed March 10, 1924. Serial No. 193,527. PUBLISHED AUGUST 12, 1924.
- 191,510. RADIO RECEIVING SETS AND PARTS THEREOF. TRI-CITY RADIO ELECTRIC SUPPLY CO., Davenport, Iowa.
Filed March 10, 1924. Serial No. 193,556. PUBLISHED AUGUST 12, 1924.
- 191,511. RADIO RECEIVING SETS AND PARTS THEREOF. TRI-CITY RADIO ELECTRIC SUPPLY CO., Davenport, Iowa.
Filed March 10, 1924. Serial No. 193,557. PUBLISHED AUGUST 12, 1924.
- 191,512. ELECTRIC-LIGHT-FIXTURE UNITS, RUBBER-COVERED AND WATERPROOF WIRE FOR ELECTRICAL PURPOSES, ELECTRICAL SWITCHES, ELECTRIC RANGES, ELECTRIC SADRONS, ELECTRIC HEATING PADS, ELECTRIC RADIIATORS, AND ELECTRIC TAPE. FREDERIC A. BOSS, doing business as Boss Electrical Supply Co., Providence, R. I.
Filed March 14, 1924. Serial No. 193,755. PUBLISHED AUGUST 12, 1924.
- 191,513. CORN FLOUR PREPARATION FOR CORE AND FACING BINDER. THE PATENT CEREALS COMPANY, Geneva, N. Y.
Filed March 22, 1924. Serial No. 194,284. PUBLISHED JULY 8, 1924.
- 191,514. CLOSURES FOR RECEPTACLES. THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY, Baltimore, Md.
Filed July 9, 1924. Serial No. 199,776. PUBLISHED AUGUST 26, 1924.
- 191,515. MONTHLY MAGAZINE. BETTER FRUIT PUBLISHING COMPANY, Portland, Oreg.
Filed May 30, 1924. Serial No. 197,854. PUBLISHED AUGUST 19, 1924.
- 191,516. TARPULINS AND TENTS. CRAWFORD-AUSTIN MANUFACTURING Co., Waco, Tex.
Filed July 7, 1924. Serial No. 199,681. PUBLISHED AUGUST 26, 1924.

- 191,517. FURNITURE MAGAZINE ISSUED QUARTERLY. HARTMAN FURNITURE & CARPET COMPANY, Chicago, Ill.
Filed May 29, 1924. Serial No. 197,811. PUBLISHED AUGUST 26, 1924.
- 191,518. GAS UPRIGHT AND INVERTED BURNERS, FIXTURES, BRACKETS, PENDANTS, MANTLES, FITTINGS, TIPS, HEATERS, CEILING LIGHTS, TABLE FLOOR, AND BOUDOIR LAMPS, RANGES, GRILLS, AND COOKING STOVES, ALL OF THE FOREGOING FOR USE IN CONNECTION WITH GAS. INCANDESCENT SUPPLY COMPANY, New York, N. Y.
Filed July 5, 1924. Serial No. 199,624. PUBLISHED AUGUST 26, 1924.
- 191,519. TOILET PAPER, TOWELS, AND NAPKINS MADE OF PAPER. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed June 2, 1924. Serial No. 197,928. PUBLISHED JULY 29, 1924.
- 191,520. LAWN-GRASS SEED. NORTHRUP, KING & Co., Minneapolis, Minn.
Filed June 30, 1924. Serial No. 199,382. PUBLISHED AUGUST 26, 1924.
- 191,521. WRITING AND PRINTING PAPER AND MAILING ENVELOPES. CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass.
Filed June 5, 1924. Serial No. 198,111. PUBLISHED JULY 29, 1924.
- 191,522. CHEMICAL PREPARATION FOR USE AS A CARBON REMOVER FOR INTERNAL-COMBUSTION ENGINES. TWEEDITE MANUFACTURING CO., Portsmouth, Va.
Filed June 21, 1924. Serial No. 198,974. PUBLISHED AUGUST 26, 1924.
- 191,523. A CHEMICAL PREPARATION FOR USE AS A CARBON REMOVER. KENT & Co., Trenton, N. J.
Filed June 27, 1924. Serial No. 199,229. PUBLISHED AUGUST 26, 1924.
- 191,524. SANDWICHES. FRANCIS J. BLAIR, Kalamazoo, Mich.
Filed July 7, 1924. Serial No. 199,670. PUBLISHED AUGUST 26, 1924.
- 191,525. HEALING ANTISEPTIC GERMICIDE IN LIQUID FORM FOR THE TREATMENT OF PYORRHEA, TRENCH MOUTH, AFTER THE EXTRACTION OF TEETH, BLEEDING GUMS, OFFENSIVE BREATH, CANKER SORES, TONSILLITIS, SORE THROAT, INFECTION OR IRRITATION OF THE NASAL PASSAGES OR MUCOUS MEMBRANE, AND CUTS, WOUNDS, OR SORES IN THE MOUTH. HARTMAN PRODUCT CO., Kansas City, Kans.
Filed July 7, 1924. Serial No. 199,699. PUBLISHED AUGUST 26, 1924.
- 191,526. HAIR TONIC. WILLIAM E. MOORE, doing business as Moore Laboratories, Chicago, Ill.
Filed July 7, 1924. Serial No. 199,712. PUBLISHED AUGUST 26, 1924.
- 191,527. BREAKFAST CEREALS. MAPLE-FLAKE MILLS, INC., Chicago, Ill.
Filed July 10, 1924. Serial No. 199,845. PUBLISHED AUGUST 26, 1924.
- 191,528. PERIODICAL PUBLISHED AT INTERVALS. ARTHUR JACOB, Chicago, Ill.
Filed June 24, 1924. Serial No. 199,063. PUBLISHED AUGUST 19, 1924.
- 191,529. MONTHLY MAGAZINE. JOHN HOWIE WRIGHT, New York, N. Y.
Filed June 24, 1924. Serial No. 199,102. PUBLISHED AUGUST 19, 1924.
- 191,530. TRADE PUBLICATIONS ISSUED QUARTERLY. N. FLUEGELMAN & Co. INC., New York, N. Y.
Filed June 28, 1924. Serial No. 199,282. PUBLISHED AUGUST 19, 1924.
- 191,531. TONIC TABLET, A RESTORATIVE FOR PHYSICAL WEAKNESS. LESTER G. ROBINSON, doing business as Lero Drug Company, Baltimore, Md.
Filed July 2, 1924. Serial No. 199,495. PUBLISHED AUGUST 19, 1924.
- 191,532. SALVE FOR THE EXTERNAL TREATMENT OF BODY AILMENTS. OLIVIA HUNT CAREY, Chicago, Ill.
Filed July 3, 1924. Serial No. 199,537. PUBLISHED AUGUST 19, 1924.
- 191,533. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. CLICQUOT CLUB COMPANY, Mills, Mass.
Filed July 5, 1924. Serial No. 199,608. PUBLISHED AUGUST 26, 1924.
- 191,534. COMPOSITION FOR THE TREATMENT OF PYORRHEA. DAVID L. HANSON, doing business as Mefree Chem. Co., Walnut, N. C.
Filed July 5, 1924. Serial No. 199,617. PUBLISHED AUGUST 19, 1924.
- 191,535. METAL CAPS AND CLOSURES. AMERICAN METAL CAP CO., Brooklyn, N. Y.
Filed June 27, 1924. Serial No. 199,203. PUBLISHED AUGUST 26, 1924.
- 191,536. ELECTRIC TRANSFORMERS. THE HANSEN COMPANY, Chicago, Ill.
Filed June 25, 1924. Serial No. 199,115. PUBLISHED AUGUST 26, 1924.
- 191,537. BATTERIES AND DRY CELLS. MARATHON BATTERY COMPANY, Wausau, Wis.
Filed June 19, 1924. Serial No. 198,811. PUBLISHED AUGUST 26, 1924.
- 191,538. MINERAL RUBBER. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed June 19, 1924. Serial No. 198,779. PUBLISHED AUGUST 26, 1924.
- 191,539. MINERAL RUBBER. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed June 13, 1924. Serial No. 198,503. PUBLISHED AUGUST 26, 1924.
- 191,540. PREPARATION FOR THE TREATMENT OF RHEUMATISM, LUMBAGO, SPRAINS, SWELLINGS, SORE MUSCLES, SORE THROAT, AND COLD IN CHEST, BRONCHITIS, CROUP, CUTS, BURNS, SCALDS, BRUISES, INSECT BITES, ITCH, MANGE, AND OTHER SKIN DISEASES, NEURALGIA, EARACHE, ABSCESS OF EAR, TOOTHACHE, AND GUMBOILS, AND ALSO FOR USE AS A DEODORANT AND GERMICIDE. ROBERT BRUCE BARBER, doing business as Sy-Po Chemical Company, Baltimore, Md.
Filed June 13, 1924. Serial No. 198,501. PUBLISHED AUGUST 26, 1924.
- 191,541. WOOLEN PIECE GOODS. SIR CHARLES SYKES & SONS, LIMITED, Netherdale, Galashiels, Scotland.
Filed June 10, 1924. Serial No. 198,385. PUBLISHED AUGUST 19, 1924.
- 191,542. SKIN CREAM AND TOOTH PASTE. ADOLPH A. FARLSTROM, doing business as R-Juna Chemical Company, Minneapolis, Minn.
Filed August 10, 1923. Serial No. 184,283. PUBLISHED AUGUST 19, 1924.
- 191,543. CANNED FRUIT. F. E. BOOTH CO., San Francisco, Calif.
Filed August 22, 1923. Serial No. 184,810. PUBLISHED AUGUST 19, 1924.
- 191,544. MEDICAL PREPARATION. LOUIS NERON, New Bedford, Mass.
Filed September 1, 1923. Serial No. 185,258. PUBLISHED AUGUST 12, 1924.

- 191,545. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed September 13, 1923. Serial No. 185,743. PUBLISHED DECEMBER 11, 1923.
- 191,546. MEN'S HATS. SOUTHERN HAT CO., INC., New Orleans, La.
Filed October 6, 1923. Serial No. 186,079. PUBLISHED JANUARY 22, 1924.
- 191,547. PAPERIES, WRITING TABLETS, AND ENVELOPES. UNITED DRUG COMPANY, Boston, Mass.
Filed October 10, 1923. Serial No. 186,813. PUBLISHED AUGUST 12, 1924.
- 191,548. CIGARS. THE CORAZA CIGAR CO., Philadelphia, Pa.
Filed October 16, 1923. Serial No. 187,045. PUBLISHED JANUARY 22, 1924.
- 191,549. WIRELESS AND RADIO TELEGRAPHY AND TELEPHONY APPARATUS ASSEMBLED AND IN PARTS. UNITED ELECTRIC STORES COMPANY OF NEW JERSEY, New Market and Plainfield, N. J., and New York, N. Y.
Filed October 26, 1923. Serial No. 187,351. PUBLISHED AUGUST 12, 1924.
- 191,550. HOSIERY, SWEATERS, AND KNITTED UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN AND WOMEN. HEYMAN & BISSINGER CO., New York, N. Y.
Filed November 24, 1923. Serial No. 188,842. PUBLISHED MAY 6, 1924.
- 191,551. MALTLESS-BEVERAGE FLAVORS AND BEVERAGES MADE THEREFROM. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed December 8, 1923. Serial No. 189,389. PUBLISHED FEBRUARY 12, 1924.
- 191,552. CERTAIN NAMED TABLE AND BED LINES, FURNITURE SCARFS, AND BLANKETS. THE TENAFLY WEAVERS, INC., Tenafly, N. J.
Filed December 13, 1923. Serial No. 189,046. PUBLISHED AUGUST 5, 1924.
- 191,553. CHEMICAL PREPARATION FOR USE AS AN INK ERADICATOR. JOHN D. CARDINELL, doing business as Cardinell-Sales Co., Montclair, N. J., assignor to Ink-Out Mfg. Co., Inc., Montclair, N. J., a Corporation of New Jersey.
Filed December 18, 1923. Serial No. 189,841. PUBLISHED AUGUST 19, 1924.
- 191,554. NEWSPAPER FEATURE. NEIL H. SIMES, Louisville, Ky.
Filed January 14, 1924. Serial No. 190,815. PUBLISHED AUGUST 12, 1924.
- 191,555. FURNITURE, HOUSEHOLD TABLES, OFFICE TABLES, KITCHEN TABLES, AND CARD TABLES, OFFICE CABINETS, RADIO CABINETS, STOOLS, CHAIRS, FLOWER FURNITURE—NAMES, FERNERIES. THE MURRAY PRODUCTS COMPANY, Detroit, Mich.
Filed February 6, 1924. Serial No. 191,905. PUBLISHED AUGUST 12, 1924.
- 191,556. WASHING POWDER. PARKS BROS., INC., Portland, Ore.
Filed February 28, 1924. Serial No. 192,998. PUBLISHED AUGUST 12, 1924.
- 191,557. LUNG BALSAM FOR COUGHS, COLDS, BRONCHITIS; HERB TEA FOR LIVER, STOMACH, AND BOWEL TROUBLES; AND LINIMENT FOR PAINS AND ACHES. JACAWA MEDICINE CO., New Orleans, La.
Filed January 15, 1924. Serial No. 190,839. PUBLISHED AUGUST 19, 1924.
- 191,558. FUEL BRIQUETTES. HALL BROS. & CO. INCORPORATED, Baltimore, Md.
Filed January 29, 1924. Serial No. 191,433. PUBLISHED APRIL 29, 1924.

- 191,559. CLEANING COMPOSITION USED FOR CLEANING BRASS, SPARK PLUGS; CLEANING AND POLISHING ARTICLES SUBJECT TO HEAT, SMOKE, GASES, DUST, AND THE LIKE; TO DISOLVE FILMS, STAINS, IRON RUST, AND THE LIKE FROM SURFACES ON WHICH THE SAME IS FORMED, THE SAME BEING IN PASTE FORM. DENNIS T. MURRAY, Bridgeport, Conn.
Filed February 2, 1924. Serial No. 191,713. PUBLISHED AUGUST 12, 1924.
- 191,560. INSULATED AND COVERED COPPER, IRON, ALUMINUM, BRASS, AND PLATINUM WIRE ON SPOOLS. JAMES COLVIN, doing business as The Spool Wire Company, Stapleton, N. Y.
Filed February 4, 1924. Serial No. 191,747. PUBLISHED AUGUST 12, 1924.
- 191,561. SOLID, SEMISOLID, AND PNEUMATIC ELASTIC TIRES AND INNER TUBES. THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio.
Filed June 11, 1923. Serial No. 181,867. PUBLISHED JULY 17, 1923.
- 191,562. WALNUTS IN THE SHELL. WM. A. HIGGINS & CO., INC., New York, N. Y.
Filed May 24, 1923. Serial No. 181,071. PUBLISHED AUGUST 19, 1924.
- 191,563. FURNITURE. AMERICAN FURNITURE COMPANY, Batesville, Ind.
Filed May 23, 1923. Serial No. 181,000. PUBLISHED AUGUST 12, 1924.
- 191,564. CANDIES. WILLIAM H. SCHAFER, Allentown, Pa.
Filed March 6, 1923. Serial No. 177,052. PUBLISHED AUGUST 19, 1924.
- 191,565. DRESSES, CAPES, SPORT SUITS, OUTER SKIRTS, WAISTS, COSTUMES, WRAPS, AND EVENING GOWNS. M. KIRSCHNER & SONS, doing business as Daintymiss Dressmakers, also doing business as Marjolaine Dresses, New York, N. Y.
Filed February 28, 1923. Serial No. 176,742. PUBLISHED MAY 22, 1923.
- 191,566. TWINE. EAGLE DYD WORKS, Pawtucket, R. I.
Filed February 7, 1923. Serial No. 175,653. PUBLISHED AUGUST 12, 1924.
- 191,567. PREPARATION COMPOSED OF AN ACTIVE GLYCERIC SOLUTION OF GASTRIC AND PANCREATIC JUICES FOR CURING DISORDERS OF THE DIGESTIVE ORGANS. CESARE SERONO, Rome, Italy.
Filed November 11, 1922. Serial No. 171,830. PUBLISHED AUGUST 12, 1924.
- 191,568. PETROLEUM PRODUCTS CONSISTING OF LUBRICATING OILS AND GREASES. THERMOIL LUBRICANTS CO., Tulsa, Okla.
Filed August 1, 1922. Serial No. 167,696. PUBLISHED DECEMBER 12, 1922.
- 191,569. PLATES, CUPS, JUGS, AND DISHES OF CHINA, PORCELAIN, AND EARTHENWARE. THE ICE-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Ice-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio.
Filed July 31, 1922. Serial No. 167,637. PUBLISHED OCTOBER 9, 1923.
- 191,570. PORTABLE-ELECTRIC-LAMP UNITS. THE GREIST MANUFACTURING COMPANY, New Haven, Conn.
Filed April 19, 1922. Serial No. 162,544. PUBLISHED AUGUST 12, 1924.
- 191,571. SIRUPS AND NONALCOHOLIC, MALTLESS BEVERAGES, COMPOSED OF SIRUPS AND CARBONATED WATER. MAURICE BLACKMAN, Philadelphia, Pa., assignor, by mesne assignments, to The International Company, Baltimore, Md., a Corporation of Maryland.
Filed July 19, 1921. Serial No. 150,588. PUBLISHED OCTOBER 2, 1923.

- 191,572. ICE-CREAM POWDER, NOUGAT CREAM, PIE FILLING, FOOD-FLAVORING EXTRACTS, GELATIN POWDERS, AND FRUIT ESSENCES. LEE-GREEFKENS CO. INC., San Francisco, Calif.
Filed January 8, 1921. Serial No. 141,984. PUBLISHED AUGUST 5, 1924.
- 191,573. BUFFETS, HANGING MIRRORS, SERVING TABLES, EXTENSION TABLES, CHINA CABINETS, SILVER CABINETS, DINING-ROOM CHAIRS, CUPBOARDS, AND REFECTORY TABLES. BATESVILLE CABINET COMPANY, Batesville, Ind.
Filed May 23, 1923. Serial No. 181,001. PUBLISHED AUGUST 12, 1924.
- 191,574. FILING CABINETS. THE MCBEE BINDER COMPANY, Athens, Ohio.
Filed April 27, 1923. Serial No. 179,809. PUBLISHED AUGUST 12, 1924.
- 191,575. CANNED VEGETABLES, TOMATO CATCHUP, COCOA, RICE, TAPIOCA, BARLEY, SPLIT PEAS, AND POPPING CORN IN ITS NATURAL STATE. CUMPMON-DOELMAN, INC., Buffalo, N. Y.
Filed April 23, 1923. Serial No. 179,520. PUBLISHED OCTOBER 16, 1923.
- 191,576. LACES, HANDKERCHIEFS, EMBROIDERIES, AND DRAPERIES, AND FABRICS IN THE PIECE. NOTTINGHAM LACE WORKS, Jersey City, N. J., and New York, N. Y.
Filed April 18, 1923. Serial No. 179,316. PUBLISHED OCTOBER 2, 1923.
- 191,577. VANISHING DAY CREAM AND NIGHT CREAM. SOPHIE M. CAVALLIOTIS, doing business as Latona Laboratories, New York, N. Y.
Filed April 14, 1923. Serial No. 179,132. PUBLISHED AUGUST 19, 1924.
- 191,578. INSECT DESTROYER OR DISINFECTANT. HILL'S MIXTURE CORPORATION, Augusta, Ga.
Filed April 11, 1923. Serial No. 179,002. PUBLISHED AUGUST 19, 1924.
- 191,579. SALT. WESTERN SALT CO., San Diego, Calif.
Filed April 4, 1923. Serial No. 178,584. PUBLISHED AUGUST 19, 1924.
- 191,580. FURNITURE COMPRISING DESKS, TABLES, CABINETS USED IN THE OPERATION OF RADIO APPARATUS. ERNEST J. SULTAN MFG. CO., doing business for the use and benefit of Frederick B. Abenbhel, San Francisco, Calif.
Filed July 25, 1922. Serial No. 167,365. PUBLISHED AUGUST 12, 1924.
- 191,581. CANNED FRUIT. F. E. BOOTH CO., San Francisco, Calif.
Filed April 22, 1922. Serial No. 162,714. PUBLISHED AUGUST 19, 1924.
- 191,582. ADHESIVES HAVING A CEREAL BASE. THE ARABOL MFG. CO., New York, N. Y.
Filed June 7, 1924. Serial No. 198,211. PUBLISHED AUGUST 5, 1924.
- 191,583. WALL SIZE. THE ARABOL MFG. CO., New York, N. Y.
Filed June 7, 1924. Serial No. 198,212. PUBLISHED AUGUST 5, 1924.
- 191,584. HEADING FOR NEWSPAPER ARTICLES. GLENN & ESSINGTON, doing business as Orlando Morning Sentinel, Orlando, Fla.
Filed June 7, 1924. Serial No. 198,233. PUBLISHED AUGUST 19, 1924.
- 191,585. INDEXES. RAND COMPANY, INC., North Tonnawanda, N. Y.
Filed June 7, 1924. Serial No. 198,251. PUBLISHED JULY 29, 1924.
- 191,586. INDEXES. RAND COMPANY, INC., North Tonnawanda, N. Y.
Filed June 7, 1924. Serial No. 198,252. PUBLISHED JULY 29, 1924.

- 191,587. CRAYONS—NAMELY, TOY WAX CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed June 13, 1924. Serial No. 198,496. PUBLISHED JULY 29, 1924.
- 191,588. CRAYONS—NAMELY, PRESSED CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed June 13, 1924. Serial No. 198,497. PUBLISHED AUGUST 12, 1924.
- 191,589. CRAYONS—NAMELY WAX CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed June 13, 1924. Serial No. 198,498. PUBLISHED AUGUST 12, 1924.
- 191,590. CRAYONS, WATER COLORS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed June 13, 1924. Serial No. 198,499. PUBLISHED AUGUST 12, 1924.
- 191,591. CRAYONS—NAMELY PASTEL CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed June 13, 1924. Serial No. 198,500. PUBLISHED AUGUST 12, 1924.
- 191,592. CHRISTMAS-TREE-LIGHTING OUTFITS, B BATTERIES, FLASH-LIGHT BATTERIES, AND ELECTRICAL CONNECTING PLUGS. DEAL ELECTRIC CO. INC., New York, N. Y.
Filed June 13, 1924. Serial No. 198,509. PUBLISHED AUGUST 26, 1924.
- 191,593. CHRISTMAS-TREE-LIGHTING OUTFITS, B BATTERIES, FLASH-LIGHT BATTERIES, AND ELECTRICAL CONNECTING PLUGS. DEAL ELECTRIC CO. INC., New York, N. Y.
Filed June 13, 1924. Serial No. 198,510. PUBLISHED AUGUST 26, 1924.
- 191,594. WIRE FOR ELECTRICAL USE, PROTECTING INSULATING COVERINGS FOR CONDUCTING WIRE, AND INSULATED AND PROTECTED ELECTRICAL CONDUCTING WIRE. SIMPLEX WIRE & CABLE COMPANY, Boston, Mass.
Filed June 14, 1924. Serial No. 198,589. PUBLISHED AUGUST 26, 1924.
- 191,595. PRINTS—NAMELY, CARTOON PRINTS. DOMINICK LOSCALZO, doing business as Associated Feature Service, Brooklyn, N. Y.
Filed June 17, 1924. Serial No. 198,716. PUBLISHED AUGUST 19, 1924.
- 191,596. MONTHLY MAGAZINE. CHRISTIAN A. LEHNOW, New York, N. Y.
Filed June 19, 1924. Serial No. 198,810. PUBLISHED AUGUST 19, 1924.
- 191,597. NEWSPAPER COLUMN. THE TRIBUNE COMPANY, Chicago, Ill.
Filed June 20, 1924. Serial No. 198,892. PUBLISHED AUGUST 19, 1924.
- 191,598. NEWSPAPER COLUMN. THE TRIBUNE COMPANY, Chicago, Ill.
Filed June 20, 1924. Serial No. 198,893. PUBLISHED AUGUST 19, 1924.
- 191,599. PUBLICATION ISSUED WEEKLY. SAM SEELIG CO., Los Angeles, Calif.
Filed June 21, 1924. Serial No. 198,969. PUBLISHED AUGUST 19, 1924.
- 191,600. TITLE FOR ITS OFFICIAL CLUB MAGAZINE. PACIFIC COAST CLUB, Long Beach, Calif.
Filed June 23, 1924. Serial No. 199,016. PUBLISHED AUGUST 19, 1924.
- 191,601. LUMINOUS PENDANTS AND BUTTONS TO BE ATTACHED TO OBJECTS TO BE LOCATED IN THE DARK. THE ARROW ELECTRIC COMPANY, Hartford, Conn.
Filed June 4, 1924. Serial No. 198,046. PUBLISHED AUGUST 26, 1924.
- 191,602. TOOTHBRUSH-DISINFECTING SOLUTIONS. THOMPSON GERMICIDAL STERILIZER CO. INC., Los Angeles, Calif.
Filed May 26, 1924. Serial No. 197,631. PUBLISHED AUGUST 26, 1924.

- 191,603. RADIO RECEIVING, DETECTING AND TRANSMITTING SETS AND PARTS THEREOF, ETC. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed May 17, 1924. Serial No. 197,191. PUBLISHED AUGUST 26, 1924.
- 191,604. COMPOSITION CONSISTING PRINCIPALLY OF ASBESTOS FOR USE FOR ELECTRICAL INSULATION. THE ASBESTOS & ELECTRICAL FITTINGS Co. LTD., London, England.
Filed May 13, 1924. Serial No. 196,949. PUBLISHED AUGUST 26, 1924.
- 191,605. COMPLETE RADIO RECEIVING AND SENDING SETS AND INSTRUMENTS AND PARTS THEREOF. A. E. HILL MFG. CO., Atlanta, Ga.
Filed May 3, 1924. Serial No. 196,521. PUBLISHED AUGUST 26, 1924.
- 191,606. COAL. DE BARDELBRENN COAL CORPORATION, Birmingham, Ala.
Filed May 2, 1924. Serial No. 196,443. PUBLISHED AUGUST 26, 1924.
- 191,607. RADIO APPARATUS—NAMESLY. VACUUM TUBES. THE LECTRODIO COMPANY, Lynn, Mass.
Filed April 22, 1924. Serial No. 195,967. PUBLISHED AUGUST 26, 1924.
- 191,608. HAT STRETCHERS. BENJAMIN J. GARFUNKEL, doing business as Garvé, New York, N. Y.
Filed April 21, 1924. Serial No. 195,881. PUBLISHED AUGUST 26, 1924.
- 191,609. FACE POWDER. LEMON CREAM FOR THE FACE. A MOTOR CREAM FOR THE FACE. A SKIN AND TISSUE CREAM. A VANISHING CREAM. A CLEANSING CREAM. A MASSAGE CREAM. A PEROXIDE CREAM. WHITE-MUD PACK. HAIRDRESSING. AND HAIR SHAMPOO. G. W. HAIGHT, doing business as Onaola Manufacturing Company, Los Angeles, Calif.
Filed April 19, 1924. Serial No. 195,820. PUBLISHED AUGUST 26, 1924.
- 191,610. ELECTRICAL DEVICES, SUPPLIES, AND EQUIPMENT—NAMESLY. INSULATED ELECTRIC WIRE. INSULATORS. INSULATION TAPE. SWITCH AND JUNCTION BOXES. FUSES. SOCKETS. SWITCHES. AND ELECTRICAL RECEPTACLES. BRANCH BLOCKS. CONDUITS. CABLES. GUARDS. LAMPS. BULBS. CEILING-LIGHT FIXTURES. BELLS. BUZZERS. PUSH BUTTONS. BELL TRANSFORMERS. COILS. RHEOSTATS. AND FLASH LIGHTS AND BATTERIES. GLASCO Electric Co., St. Louis, Mo.
Filed April 14, 1924. Serial No. 195,511. PUBLISHED AUGUST 26, 1924.
- 191,611. WEEKLY PERIODICAL. UNION LABOR PUBLISHING ASSOCIATION, Los Angeles, Calif.
Filed March 29, 1924. Serial No. 194,682. PUBLISHED AUGUST 5, 1924.
- 191,612. TABLE AND FLOOR LAMP SHADES MANUFACTURED OF AIRPLANE CLOTH OR LINEN STRETCHED OVER WIRE FRAMES. RINDSBERGER MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 27, 1924. Serial No. 194,569. PUBLISHED AUGUST 26, 1924.
- 191,613. AMPLIFYING HORNS FOR USE WITH RADIO LOUD SPEAKERS. THE JEWETT RADIO & PHONOGRAPH CO., Detroit, Mich.
Filed February 21, 1924. Serial No. 192,619. PUBLISHED AUGUST 26, 1924.
- 191,614. ELECTRIC VACUUM CLEANERS, INCLUDING PARTS THEREOF AND REPAIR PARTS. JOSEPH A. MCANERNEY COMPANY, New York, N. Y.
Filed January 23, 1924. Serial No. 191,179. PUBLISHED AUGUST 26, 1924.
- 191,615. RADIO APPARATUS. THE GOLDSCHMIDT CORPORATION, New York, N. Y.
Filed August 30, 1923. Serial No. 185,180. PUBLISHED AUGUST 26, 1924.

- 191,616. CORK-SOLE WELTING FOR BOOTS AND SHOES. HALEY-CATE-ROCKWOOD COMPANY, Everett, Mass.
Filed July 7, 1923. Serial No. 182,905. PUBLISHED AUGUST 26, 1924.
- 191,617. ELECTRICAL SOLDERING IRONS, ELECTRIC BELLS, ELECTRIC SOCKETS, AND ELECTRIC MOTORS. STRAUSS & HLCM, INC., New York, N. Y.
Filed April 9, 1923. Serial No. 178,881. PUBLISHED AUGUST 26, 1924.
- 191,618. FACE POWDER. THE REMILLER CO., New York, N. Y.
Filed April 6, 1923. Serial No. 178,672. PUBLISHED AUGUST 26, 1924.
- 191,619. WIRELESS APPARATUS AND DEVICES—NAMESLY. RADIO RECEIVING SETS, AMPLIFIERS AND LOUD SPEAKERS FOR RECEIVING SETS. SONORA PHONOGRAPH COMPANY, INC., New York, N. Y.
Filed April 6, 1922. Serial No. 161,866. PUBLISHED AUGUST 26, 1924.
- 191,620. ELECTRIC-CURRENT-FLOW INDICATORS. CHEMICAL MACHINERY EXPERIMENT CO. INC., New York, N. Y.
Filed May 25, 1922. Serial No. 164,491. PUBLISHED AUGUST 26, 1924.
- 191,621. OLIVE OIL. JOSEPH F. MALATESTA, Boston, Mass.
Filed August 2, 1922. Serial No. 167,727. PUBLISHED FEBRUARY 19, 1924.
- 191,622. IMITATION FUEL FOR STOVES AND GRATES. EDWIN A. JACKSON & BRO. INC., New York, N. Y.
Filed January 23, 1923. Serial No. 174,963. PUBLISHED AUGUST 26, 1924.
- 191,623. CANDY. HARRY I. SIFERS, doing business as The Sifers Confection Co., Kansas City, Mo.
Filed March 26, 1923. Serial No. 178,067. PUBLISHED JUNE 12, 1923.
- 191,624. BREAD. DEPENDABLE PRODUCTS CO., Cleveland, Ohio.
Filed March 27, 1923. Serial No. 178,094. PUBLISHED AUGUST 26, 1924.
- 191,625. SERVICE WAGONS, TEA WAGONS OR TEA CARTS, AND FOOD CARRIAGES. HERKIMER SPECIALTIES CORPORATION, Cold Brook, N. Y.
Filed July 13, 1923. Serial No. 183,151. PUBLISHED AUGUST 26, 1924.
- 191,626. BREAD. MUELLER BAKING CO., Bowling Green, Mo.
Filed November 22, 1923. Serial No. 188,692. PUBLISHED JANUARY 15, 1924.
- 191,627. CRACKERS AND CAKE. ACME CRACKER CO., Chicago, Ill.
Filed December 12, 1923. Serial No. 189,543. PUBLISHED AUGUST 26, 1924.
- 191,628. ELECTRIC MOTORS, GENERATORS, ROTARY CONVERTERS, INVERTED ROTARIES, FREQUENCY CHANGERS, CONTROLLERS, AND COMPENSATORS. THE LOUIS ALLIS COMPANY, Milwaukee, Wis.
Filed April 18, 1924. Serial No. 195,730. PUBLISHED AUGUST 26, 1924.
- 191,629. BUILDING-ORDINANCE HANDBOOK, WHICH IS AN ANNUAL PUBLICATION. ARCHIE C. HOFF, Los Angeles, Calif.
Filed May 7, 1924. Serial No. 196,706. PUBLISHED AUGUST 26, 1924.
- 191,630. HEAD PHONES, CONDENSERS, RHEOSTATS, RADIO LOUD SPEAKERS, AND ASSEMBLED RADIO SETS. DIETZEN, INC., New York, N. Y.
Filed May 2, 1924. Serial No. 196,444. PUBLISHED AUGUST 26, 1924.

- 191,631. RADIO RECEIVING SETS AND PARTS THEREFOR. JOSEPH TILLOU SATTELS, doing business as Ambassador Sales Company, New York, N. Y.
Filed May 7, 1924. Serial No. 196,714. PUBLISHED AUGUST 26, 1924.
- 191,632. RADIO RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed May 17, 1924. Serial No. 197,190. PUBLISHED AUGUST 26, 1924.
- 191,633. PREPARATION FOR WASHING AND SCOURING. CHEMISCHE FABRIK GRUNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Berlin, Germany.
Filed May 12, 1924. Serial No. 196,905. PUBLISHED AUGUST 19, 1924.
- 191,634. SOAPS; LAVATORY, TOILET, AND FLOOR CLEANSERS; AND METAL POLISHES. VESTAL CHEMICAL COMPANY, St. Louis, Mo.
Filed May 10, 1924. Serial No. 197,308. PUBLISHED AUGUST 19, 1924.
- 191,635. LIQUID IN WHICH DENTAL INSTRUMENTS ARE BATHED FOR CLEANSING THE SAME. GEO. A. TERRY MFG. CO. INC., Buffalo, N. Y.
Filed May 20, 1924. Serial No. 197,344. PUBLISHED AUGUST 19, 1924.

- 191,636. RADIO RECEIVING SETS AND PARTS THEREOF—NAMESLY. CONDENSERS, VARIOMETERS, TRANSFORMERS, VARIOTRANSFORMERS, AND COMPENSATING CONDENSERS. DANZIGER-JONES, INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,419. PUBLISHED AUGUST 26, 1924.
- 191,637. TOILET PAPER. HAMPTON ROADS PAPER COMPANY, Norfolk, Va.
Filed May 22, 1924. Serial No. 197,432. PUBLISHED AUGUST 5, 1924.
- 191,638. TRUNKS AND BAGS. R. H. MACY & CO., INC., New York, N. Y.
Filed May 24, 1924. Serial No. 197,545. PUBLISHED JULY 22, 1924.
- 191,639. WRAPPING PAPER, TISSUE PAPER, WRITING PAPER, PENCILS, AND TYPEWRITING PAPERS, MANIFOLD ORDER BOOKS, FOLDERS, GUMMED PAPER AND TAPE, TAGS, TOILET ROLLS, PAPER TOWELS, AND ENVELOPES. AL. M. SILVERSTEIN & BRO. INC., New York, N. Y.
Filed May 26, 1924. Serial No. 197,626. PUBLISHED AUGUST 5, 1924.
- 191,640. TRANSPARENT (TRACING) CLOTH. KEUFEL & ESSER COMPANY, Hoboken, N. J.
Filed May 29, 1924. Serial No. 197,819. PUBLISHED JULY 29, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 191,641. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. K. KEARNEY, doing business as Special Remedies Company, Oakland, Calif. Filed July 22, 1924. Serial No. 200,059.



Particular description of goods.—Preparation for the Treatment of Eczema.
Claims use since January, 1915.

- 191,642. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE LILLEY CO., Columbus, Ohio. Filed Aug. 15, 1924. Serial No. 201,459.



Particular description of goods.—Suitcases, Traveling Bags, Hatboxes, Portfolios, and Brief Cases.
Claims use since about 1894.

- 191,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. F. HOLLAND, doing business as Berkeley Drug Company, Asheville, N. C. Filed Aug. 19, 1924. Serial No. 201,559.

HOLLAND'S

Particular description of goods.—Preparations for Influenza, Bad Kidneys, Torpid Liver, Headache, Malaria, Rheumatism, Blood Disorders; Stomach and Bowel Trouble, Such as Sick Headache, Sour Stomach, Indigestion, Belching of Gas, Nausea, Heartburn, Flatulence, Colic, Palpitation, Fermentation, Constipation, and All Conditions Arising from Indigestion and Nonassimilation.
Claims use since January, 1921.

- 191,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH CHEMIST, INC., New York, N. Y. Filed Aug. 18, 1924. Serial No. 201,568.

ORIENTAL SANDAL

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Rouges, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since Feb. 2, 1912.

- 191,645. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LINCOLN PRODUCTS CO., Chicago, Ill. Filed Aug. 22, 1924. Serial No. 201,763.

LINCOLN

Particular description of goods.—Shock Absorbers.
Claims use since Feb. 1, 1922.

191,646. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL A. MELCHER, McFarland, Calif. Filed Aug. 22, 1924. Serial No. 201,767.

Sterling

Particular description of goods.—Fresh Grapes.
Claims use since Aug. 15, 1923.

191,647. (CLASS 39. CLOTHING.) WILLIAM G. BARROWS, Dorset, Vt. Filed Sept. 2, 1924. Serial No. 202,093.



BARROWS KNIT

Particular description of goods.—Hand and Machine Knit Sweaters, Sacks, Leggings, Booties, Caps, Scarfs, Mittens, Middles, Bonnets, Vests, Helmets, and Shawls.
Claims use since July 1, 1923.

191,648. (CLASS 37. PAPER AND STATIONERY.) THE ALLING & CORY COMPANY, Pittsburgh, Pa. Filed Sept. 9, 1924.

GENESEE LINEN

Particular description of goods.—Bond Paper.
Claims use since 1912.

191,649. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Minneapolis, Minn. Filed Sept. 22, 1924. Serial No. 202,915.

PIKE-FLOYD

Particular description of goods.—Coal.
Claims use since March, 1923.

191,650. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CLARKSON COAL AND DOCK COMPANY, St. Paul, Minn. Filed Sept. 24, 1924. Serial No. 202,979.

BLUE FLAME BLOCK

Particular description of goods.—Coal.
Claims use since 1914.

191,651. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed May 28, 1921. Serial No. 148,375.

SKETCHING CRAYON 341

Particular description of goods.—Lead Pencils.
Claims use since January, 1880.

191,652. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed May 26, 1921. Serial No. 148,260.

INTENSE COPYING No 2073

Particular description of goods.—Lead Pencils.
Claims use since August, 1919.

191,653. (CLASS 12. CONSTRUCTION MATERIALS.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 19, 1924. Serial No. 202,777.

GOODYEAR

Particular description of goods.—Rubber Tiling.
Claims use since 1900.

191,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWIN A. HOLMES, Chicago, Ill. Filed May 2, 1922. Serial No. 163,218.

Just a little different

Particular description of goods.—Candies.
Claims use since Nov. 1, 1921.

191,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCES THAYER, Portland, Me. Filed Feb. 10, 1923. Serial No. 175,895.

...THAYER'S...

Particular description of goods.—Blood Regulator.
Claims use since July 15, 1921.

191,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENNEY & DENNEY, Philadelphia, Pa. Filed June 26, 1923. Serial No. 182,466.

For Beauty's Sake

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishers, Deodorizing Preparations, and Sachet Powders.
Claims use since Apr. 28, 1923.

191,657. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TORSION TEST PISTON RING CORPORATION, Newark, N. J. Filed July 23, 1923. Serial No. 183,610.

THE TWIST DOES IT

Particular description of goods.—Piston Rings.
Claims use since July, 1921.

191,658. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WESTINGHOUSE UNION BATTERY COMPANY, Swissvale, Pa. Filed Aug. 17, 1923. Serial No. 184,629.



Particular description of goods.—Secondary Batteries.
Claims use since July 31, 1923.

191,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM G. COLE, doing business as Willard Medicine Co., Wilmington, Del. Filed Aug. 25, 1923. Serial No. 184,960.

WILLARD

Particular description of goods.—Blood Tonic and Ointment.
Claims use since July 23, 1923.

191,660. (CLASS 12. CONSTRUCTION MATERIALS.) WINDSHIELD SCUPPER COMPANY, New York, N. Y. Filed Sept. 10, 1923. Serial No. 185,640.

WIND SHIELD SCUPPER CO.

Particular description of goods.—Scuppers.
Claims use since July 28, 1914.

191,661. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HAROLD M. SCHWAB, Inc., New York, N. Y. Filed Oct. 25, 1923. Serial No. 187,489.



Particular description of goods.—Radio Products—Namely, Adapters, Adjusters, Antennas, Radio Lighting Arresters, Batteries, Battery Chargers, Battery Switches, Blinding Posts, Inductance Coils, Loading Coils, Coil Mounts, Variable Condensers, Fixed Condensers, Galena Crystals, Silicon Crystals, Synthetic Crystals, Crystal Detectors, Dials, Grid Leaks, Grid Condensers, Jacks, Knobs, Loops, Radio Receiving Sets, Sockets, Transformers, Varlocouplers, Variometers, Loud Speakers, Panels of Hard Rubber, Panels of Bakelite, Phones, Potentiometers, Rheostats, Phone Plugs; Rectifiers, Battery-Charging; Loud-Speaker Horns.
Claims use since about Aug. 6, 1923.

191,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SAR-A-LEE COMPANY, Cleveland, Ohio. Filed Dec. 6, 1923. Serial No. 189,337.

MAY-O-NASE

Particular description of goods.—Salad Dressing.
Claims use since Sept. 29, 1923.

191,663. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ACKERMAN BROS. COMPANY, INC., New York, N. Y. Filed Nov. 22, 1923. Serial No. 188,651.

Ackerman

Particular description of goods.—Radio Parts—Namely, Condensers, Inductances, Transformers, Binding Posts, and Loud Speakers.
Claims use since Sept. 15, 1923.

191,664. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RAY D. JOHNSON, doing business as Johnson Manufacturing Co., Almena, Kans. Filed Nov. 26, 1923. Serial No. 188,910.

KOZY KLOSURE

Particular description of goods.—Tops for Vehicles.
Claims use since Sept. 1, 1923.

191,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST CANNING COMPANY, Salem, Ore. Filed Feb. 16, 1924. Serial No. 192,416.

MEDFORD

Particular description of goods.—Canned Berries, Fruits, and Vegetables.
Claims use since Sept. 25, 1923.

191,666. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924. Serial No. 194,286.



AGATE

Particular description of goods.—Silica.
Claims use since 1906.

191,667. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924. Serial No. 194,287.



BERYL

Particular description of goods.—Silica.
Claims use since 1906.

191,668. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924. Serial No. 194,290.



GARNET

Particular description of goods.—Silica.
Claims use since 1906.

191,669. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924. Serial No. 194,293.



JASPER

Particular description of goods.—Silica.
Claims use since 1906.

191,670. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924. Serial No. 194,298.



OPAL

Particular description of goods.—Silica.
Claims use since 1906.

191,671. (CLASS 39. CLOTHING.) CHICAGO BARGAIN HOUSE, Chicago, Ill. Filed May 19, 1924. Serial No. 197,255.

Ritz Hats

Particular description of goods.—Hats for Women.
Claims use since 1914.

191,672. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BATTERY EQUIPMENT & SUPPLY CO., Chicago, Ill. Filed June 23, 1924. Serial No. 198,980.

THE BATTERY EQUIPMENT & SUPPLY CO.

Particular description of goods.—Battery Terminals, Battery-Terminal Lugs, Battery Clips, Battery Leads, and Battery-Clip Springs.
Claims use since October, 1919.

191,673. (CLASS 39. CLOTHING.) EDWARDS MERCHANT TAILOR, Chicago, Ill. Filed June 23, 1924. Serial No. 198,995.

Edwards

Particular description of goods.—Men's and Boys' Furnishings, Undergarments, and Clothing; Women's, Girls', and Misses' Furnishings, Undergarments, and Clothing; Men's, Women's, Boys', and Girls' Shoes, Boots, Slippers, Leggings, Gloves, Puttees.
Claims use since May, 1916.

191,674. (CLASS 39. CLOTHING.) A. SULKA & COMPANY, New York, N. Y. Filed June 13, 1924. Serial No. 198,541.

A. Sulka & Company

Particular description of goods.—Dress Shirts, Night-gee Shirts, Work Shirts, and Undershirts; Collars, Ties, Sweaters, Sweater Jackets, Hosiery, Bathing Suits, Beach Robes, House Robes; Underwear of Knitted, Netted, and Textile Fabrics; and Pyjamas.
Claims use for more than one year.

191,675. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE JOSEPH COMPANY, New York, N. Y. Filed June 6, 1924. Serial No. 198,189.

TUFFIBRE

Particular description of goods.—Rotary Street Brooms and Brushes and Street Brooms and Street Brushes.
Claims use since Jan. 1, 1918.

191,676. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924. Serial No. 198,118.

SERVICE

Particular description of goods.—Detachable Wagon Covers.
Claims use since Feb. 15, 1923.

191,677. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DOBLE STEAM MOTORS, Emeryville, Calif. Filed Feb. 4, 1924. Serial No. 191,759.



Particular description of goods.—Automobiles.
Claims use for not less than one year.

191,678. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) MAURICE RAPOPORT & COMPANY, New York, N. Y. Filed Oct. 10, 1923. Serial No. 186,801.

Windsor

Particular description of goods.—Smokers' Pipes and Cigarette and Cigar Holders.
Claims use since Oct. 1, 1923.

191,679. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Aug. 3, 1923. Serial No. 184,044.

Pretti-prints

Particular description of goods.—Printed Silk and Cotton and Cotton Piece Goods.
Claims use since July 26, 1923.

191,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed Apr. 16, 1923. Serial No. 179,194.

FRENCH'S BIRD BISCUIT

Particular description of goods.—Bird Food.
Claims use since July, 1901.

191,681. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AUTO RADIATOR MANUFACTURING CO., Chicago, Ill. Filed Oct. 28, 1922. Serial No. 171,301.

ZIG ZAG HONEYCOMB

Particular description of goods.—Automobile Radiators.
Claims use since September, 1915.

191,682. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT PICK & COMPANY, Chicago, Ill. Filed Oct. 13, 1922. Serial No. 170,693.

2 Bits

Particular description of goods.—Playing Cards.
Claims use since August, 1922.

191,683. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed May 28, 1921. Serial No. 148,376.

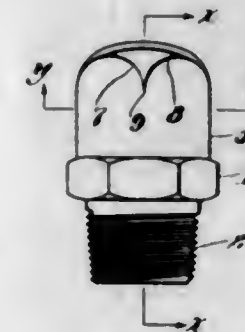
SOFT SHADING - No 309

Particular description of goods.—Lead Pencils.
Claims use since October, 1914.

REISSUES

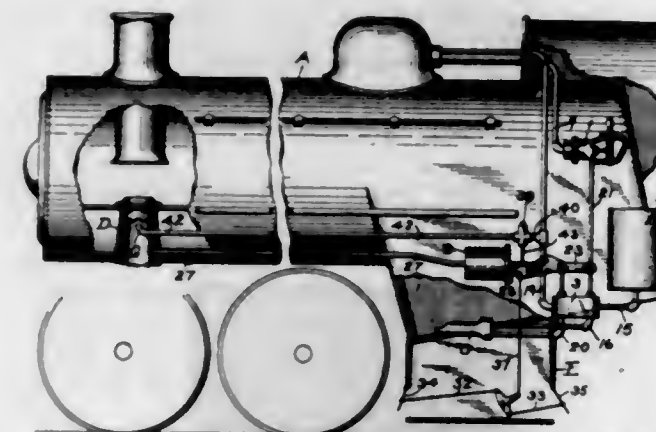
NOVEMBER 11, 1924.

15,941. SPRINKLER HEAD. ALBERT J. LOEPSINGER, Edgewood, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed Sept. 27, 1924. Serial No. 740,715. Original application filed Mar. 11, 1918, Serial No. 221,850. Divided and application filed July 20, 1921, Serial No. 486,058. Original No. 1,439,177, dated Dec. 19, 1922. 3 Claims. (Cl. 299—121.)



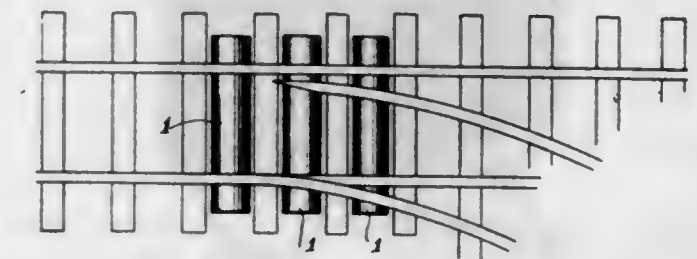
3. A sprinkler head comprising a nozzle combined with a deflector adapted by its shape, curvature and setting relative to the nozzle to receive impinging discharge stream filaments in a substantially tangential direction and smoothly to impart to all of the stream filaments directions substantially at right angles to the nozzle axis, simultaneously changing the issuing discharge from a concentrated stream to a thin, widely spread, continuous sheet.

15,942. FIRE AND DRAFT REGULATING SYSTEM. CARLTON D. STEWART and SIDNEY G. DOWN, Berkeley, Calif. Filed Jan. 4, 1921. Serial No. 435,026. Original No. 1,295,077, dated Feb. 18, 1919, Serial No. 185,351, filed Aug. 9, 1917. 17 Claims. (Cl. 236—8.)



16. In a locomotive, the combination with a steam boiler and furnace and mechanism for controlling the draft at the furnace, of means subject to and positioned as the degree of pressure of the exhaust steam from the locomotive increases for actuating said mechanism to increase the amount of draft.

15,943. RAILWAY-SWITCH HEATER. ISAAC C. POPPER, New York, N. Y., assignor to The Theroz Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 23, 1922. Serial No. 583,926. Original No. 1,396,664, dated Nov. 8, 1921, Serial No. 345,331, filed Dec. 16, 1919. Renewed Sept. 14, 1921. Serial No. 500,704. 14 Claims. (Cl. 246—428.)

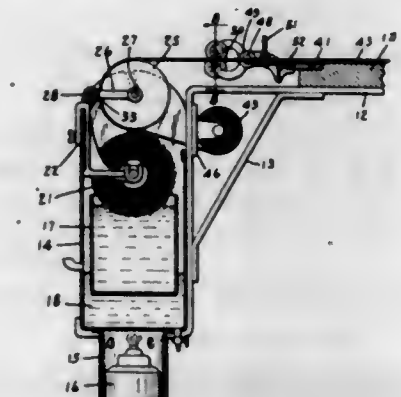


1. A railway switch heater including a top plate and fuel cans removably placed therein, the top plate confining and distributing the heat from the cans.

15,944. BITUMINOUS EMULSION AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Nov. 15, 1923. Serial No. 675,018. Original No. 1,450,685, dated Apr. 3, 1923, Serial No. 582,316, filed Aug. 16, 1922. 6 Claims. (Cl. 134—1.)

1. An emulsion consisting of sulphite liquor and bitumen, the bitumen being in dispersed phase.

15,945. MEANS FOR APPLYING PASTE OR THE LIKE TO PAPER. BEAT SELBY, Indianapolis, Ind. Filed Mar. 4, 1922. Serial No. 541,174. Original No. 1,337,729, dated Apr. 20, 1920, Serial No. 276,230, filed Feb. 10, 1919. 7 Claims. (Cl. 91—14.)



7. In a paste applying machine, the combination with a housing, a detachable paste receptacle supported thereby, a paste applying roller detachably positioned in said receptacle and substantially closing the same, and paste applying mechanism associated with said paste applying roller and above the same, of means tiltably supporting said paste applying mechanism in the paste applying position, said paste applying mechanism being tiltable to the non-pasting position to permit access to said roller and to said receptacle, said roller being removable from said receptacle to permit access thereto, and said receptacle being removable from said housing.

DESIGNS

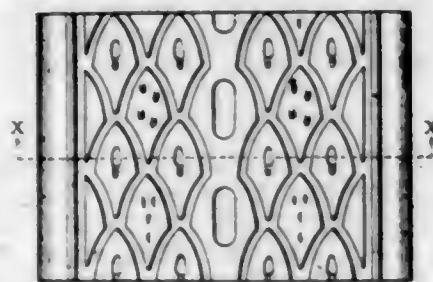
NOVEMBER 11, 1924.

65,945. CHILD'S CRIB. EDWARD J. BARCALO, Buffalo, N. Y. Filed Apr. 28, 1923. Serial No. 5,999. Term of patent 3½ years.



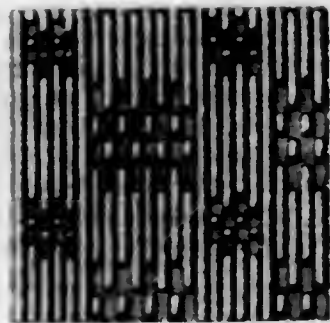
The ornamental design for a child's crib, as shown.

65,946. TIRE. RAYMOND E. BEEGLE, East St. Louis, Ill. Filed Aug. 13, 1924. Serial No. 10,442. Term of patent 7 years.



The ornamental design for a tire, as shown.

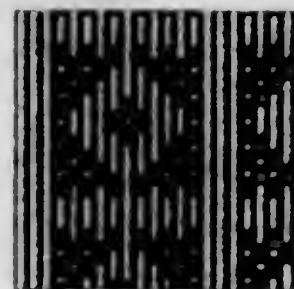
65,947. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 10,355. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

312

65,948. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 10,356. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,949. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 10,359. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,950. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 10,362. Term of patent 14 years.



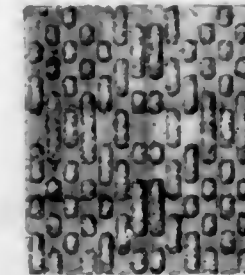
The ornamental design for a textile fabric, as shown.

NOVEMBER 11, 1924

U. S. PATENT OFFICE.

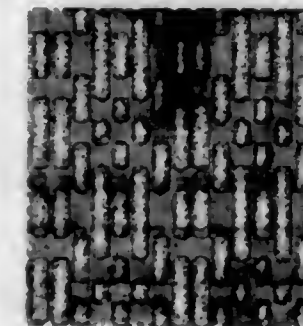
313

65,951. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 10,363. Term of patent 14 years.



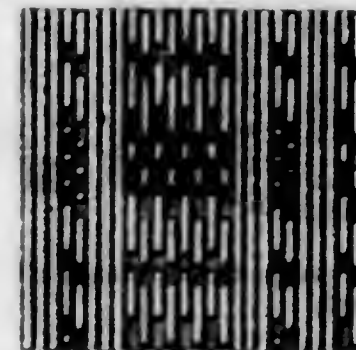
The ornamental design for a textile fabric, as shown.

65,952. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1924. Serial No. 10,364. Term of patent 14 years.



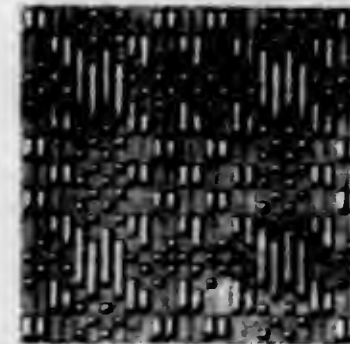
The ornamental design for a textile fabric, as shown.

65,953. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,405. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

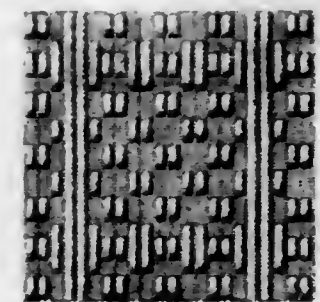
65,954. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,410. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

328 O. G.—21

65,955. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,411. Term of patent 14 years.



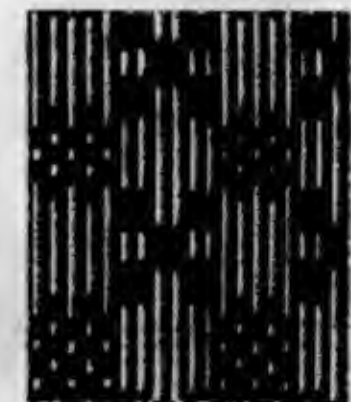
The ornamental design for a textile fabric, as shown.

65,956. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,413. Term of patent 14 years.



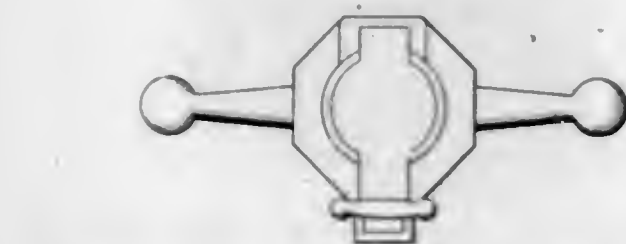
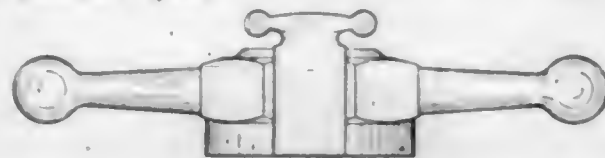
The ornamental design for a textile fabric, as shown.

65,957. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1924. Serial No. 10,448. Term of patent 14 years.



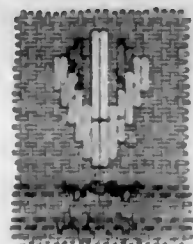
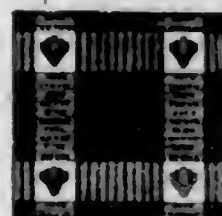
The ornamental design for a textile fabric, as shown.

65,958. RADIATOR CAP FOR AUTOMOBILES. ARTHUR J. BACCHU, Grand Rapids, Mich., assignor to Wolverine Metal Specialties Co., Grand Rapids, Mich., a Firm. Filed May 23, 1923. Serial No. 6,259. Term of patent 7 years.



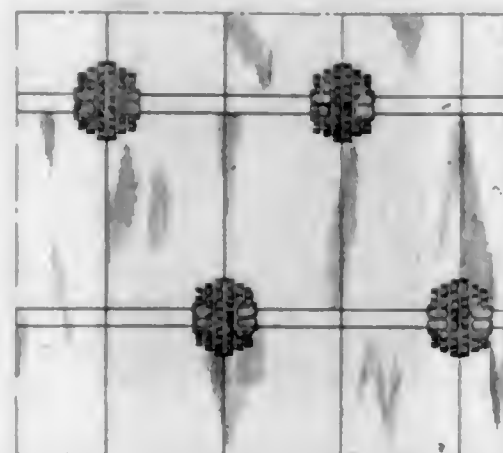
The ornamental design for a radiator cap for automobiles, substantially as shown.

65,959. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed Sept. 16, 1924. Serial No. 10,791. Term of patent 3½ years.



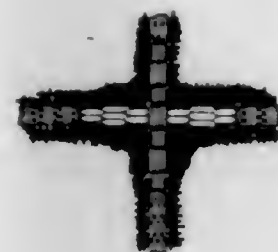
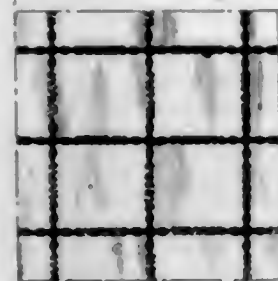
The ornamental design for a textile fabric as shown.

65,960. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed Sept. 16, 1924. Serial No. 10,792. Term of patent 3½ years.



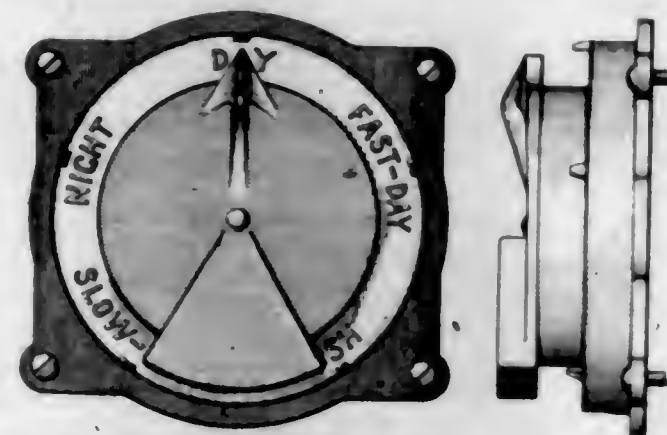
The ornamental design for a textile fabric as shown.

65,961. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed Sept. 16, 1924. Serial No. 10,795. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

65,962. FURNACE ATTACHMENT. JAMES W. CRAIG, Providence, R. I. Filed Oct. 24, 1923. Serial No. 7,581. Term of patent 14 years.



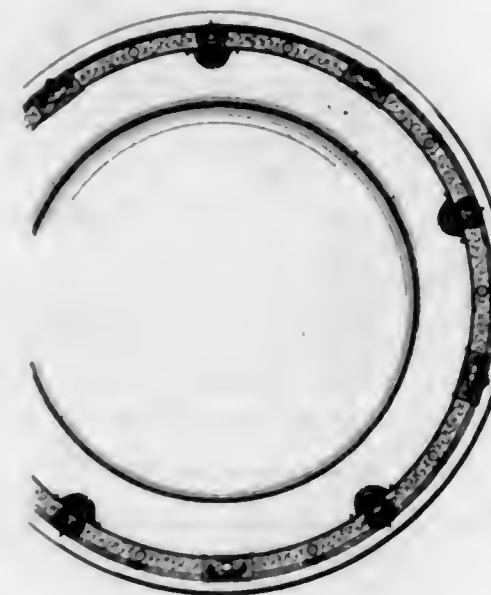
The ornamental design for a furnace attachment substantially as shown.

65,963. BOTTLE. RENÉ DESSEIGNES, Asnières, France. Filed July 24, 1924. Serial No. 10,250. Term of patent 7 years.



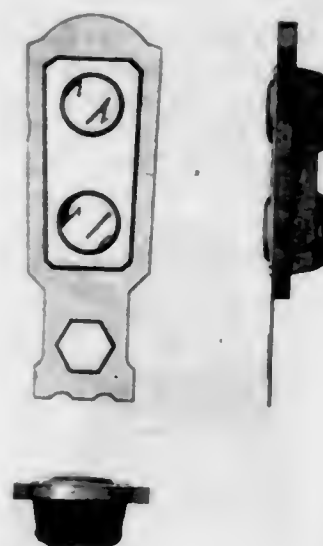
The ornamental design for a bottle substantially as shown.

65,964. PLATE OR SIMILAR ARTICLE. GEORGE ELIS, Trenton, N. J., assignor to Maddock Pottery Company, Trenton, N. J. Filed Jan. 15, 1924. Serial No. 8,319. Term of patent 14 years.



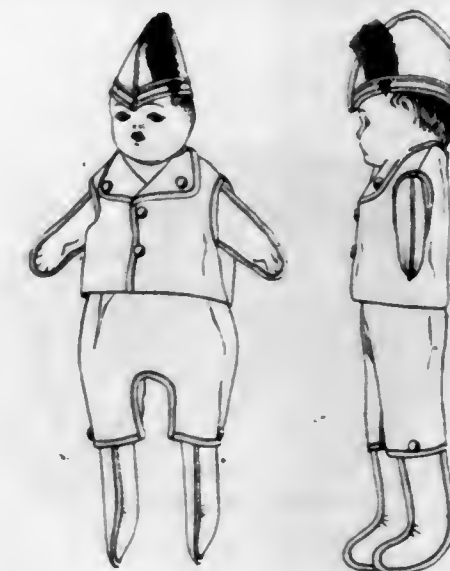
The ornamental design for a plate or similar article, as shown.

65,965. VEHICLE SIGNAL-LAMP CASING. RICHARD A. FINIS, San Francisco, Calif. Filed Aug. 16, 1924. Serial No. 10,470. Term of patent 14 years.



The ornamental design for a vehicle signal-lamp casing, as shown.

65,966. DOLL. RALPH A. FREUNDLICH, Brooklyn, N. Y. Filed July 9, 1924. Serial No. 10,096. Term of patent 7 years.



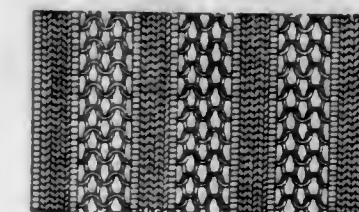
The ornamental design for a doll, as shown and described.

65,967. DOLL. RALPH A. FREUNDLICH, Brooklyn, N. Y. Filed July 16, 1924. Serial No. 10,163. Term of patent 7 years.



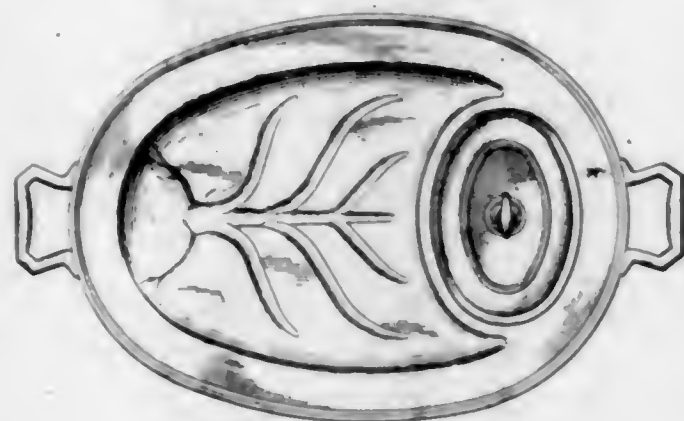
The ornamental design for a doll, as shown and described.

65,968. PACKAGING PAPER. EFFINGER G. HERBINE, Reading, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a Corporation of Pennsylvania. Filed Apr. 30, 1923. Serial No. 6,012. Term of patent 14 years.



The ornamental design for packaging paper, as shown.

65,969. SERVING PLATTER. ARTHUR E. HOBSON, Philadelphia, Pa., assignor to The Hartford Sterling Co., Philadelphia, Pa. Filed Feb. 27, 1922. Serial No. 914. Term of patent 3½ years.



The ornamental design of a serving platter, as shown.

65,970. ELECTRIC-LIGHT SHADE. ALBERT M. KANTRO, Chicago, Ill. Filed June 30, 1924. Serial No. 10,005. Term of patent 7 years.



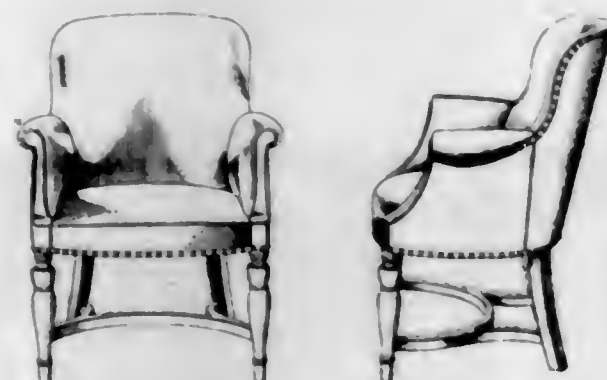
The ornamental design for an electric light shade, as shown.

65,971. STATUE. ROBERT C. LAFFERTY, New York, N. Y. Filed June 22, 1923. Serial No. 6,550. Term of patent 3½ years.



The ornamental design for a statue as shown.

65,972. CHAIR. JOSEPH R. MCCARGAR, Grand Rapids, Mich. Filed Sept. 2, 1924. Serial No. 10,638. Term of patent 7 years.



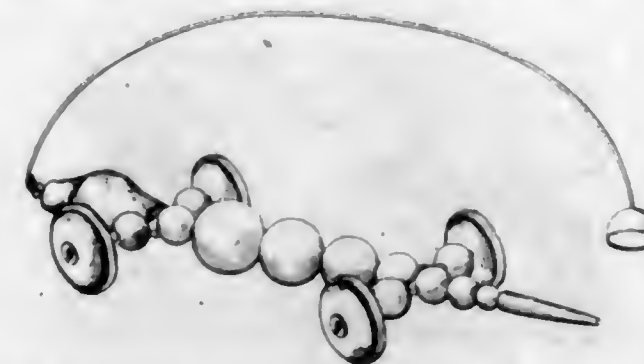
The ornamental design for a chair, substantially as shown.

65,973. BADGE OR ARTICLE OF SIMILAR NATURE. JOSEPH A. MEYERS, Los Angeles, Calif., assignors to J. A. Meyers & Co., Inc., Los Angeles, Calif., a Corporation of California. Filed Nov. 28, 1923. Serial No. 7,802. Term of patent 14 years.



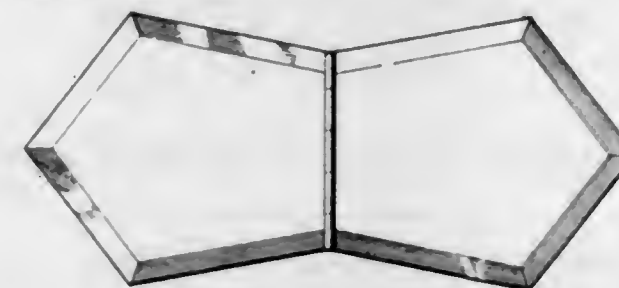
The ornamental design for a badge or article of similar nature, as shown.

65,974. WHEELED TOY. PHILIP MYERS, Glenview, Ill., assignor to The Toy Tinkers, Inc., Evanston, Ill., a Corporation of Illinois. Filed Sept. 2, 1924. Serial No. 10,634. Term of patent 14 years.



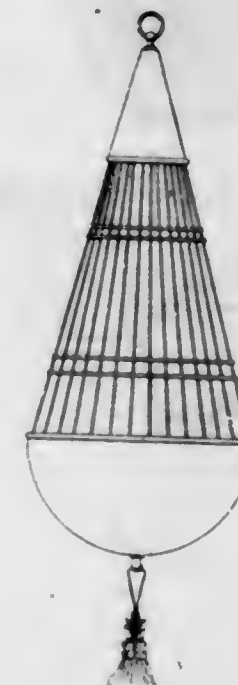
The ornamental design for a wheeled toy, as shown.

65,975. JEWEL BOX. GEORGE H. NEVIUS, Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 26, 1923. Serial No. 5,956. Term of patent 7 years.



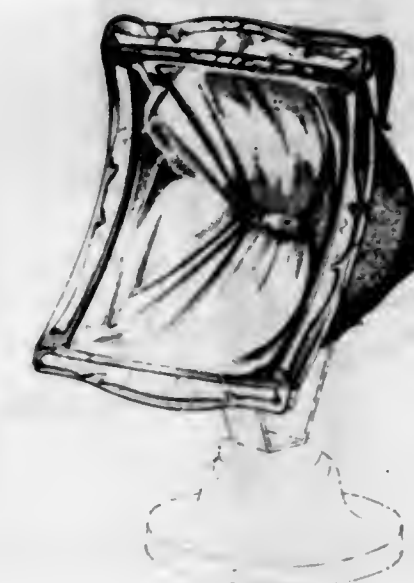
The ornamental design for a jewel box, as shown.

65,976. BIRD CAGE. WILLIAM F. SCHLEICH, New York, N. Y., assignor to Schleich Studios, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 23, 1924. Serial No. 10,536. Term of patent 14 years.



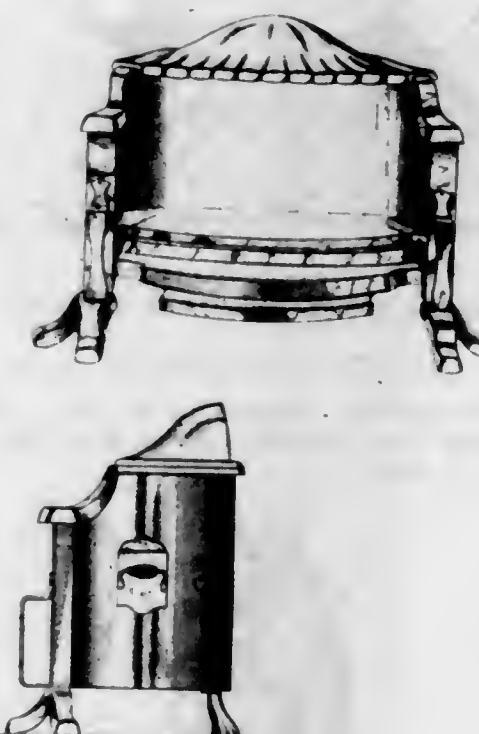
The ornamental design for a bird cage, as shown.

65,977. ELECTRIC HEATER. JOSEPH SCHOENFELD, Alameda, Calif., assignor to The Magnavox Co., Oakland, Calif., a Corporation of Arizona. Filed Sept. 13, 1924. Serial No. 10,768. Term of patent 14 years.



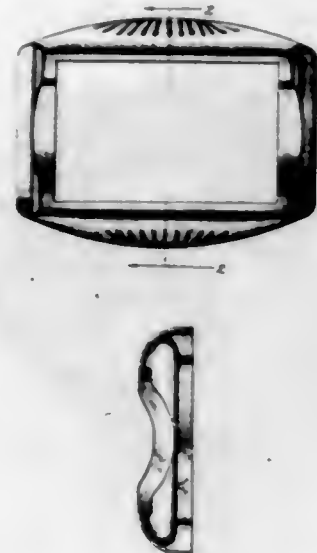
The ornamental design for an electric heater, as shown.

65,978. ELECTRIC-HEATER STAND. JOSEPH SCHOENFELD, Alameda, Calif., assignor to The Magnavox Co., Oakland, Calif., a Corporation of Arizona. Filed Sept. 13, 1924. Serial No. 10,769. Term of patent 14 years.



The ornamental design for an electric-heater stand, as shown.

65,979. CASING FOR ELECTRIC HEATERS. JOSEPH SCHOENFELD, Alameda, Calif., assignor to The Magnavox Co., Oakland, Calif., a Corporation of Arizona. Filed Sept. 13, 1924. Serial No. 10,771. Term of patent 14 years.



The ornamental design for a casing for electric heaters, as shown.

65,980. DOLL. GWILYM SHAW, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 26, 1922. Serial No. 4,712. Term of patent 14 years.



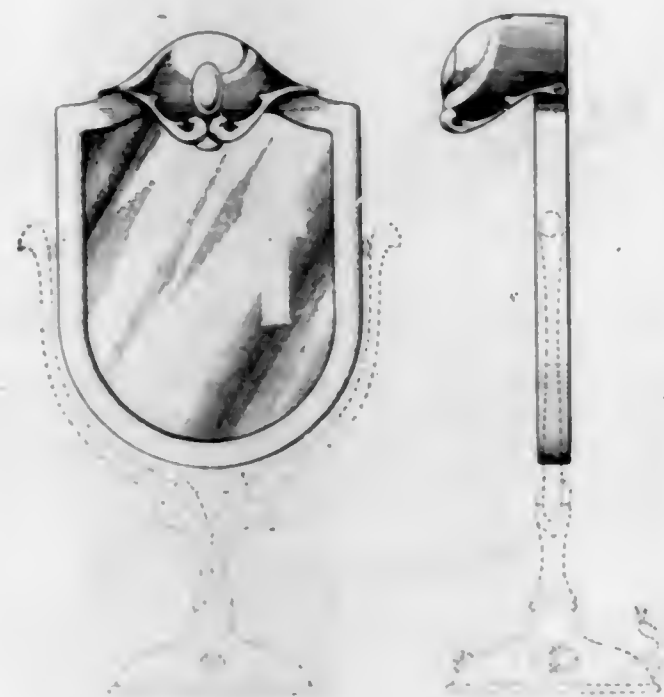
The ornamental design for a doll, as shown.

65,981. STATUETTE. FRANK D. SWANEY, Brooklyn, N. Y. Filed Oct. 31, 1923. Serial No. 7,633. Term of patent 3½ years.



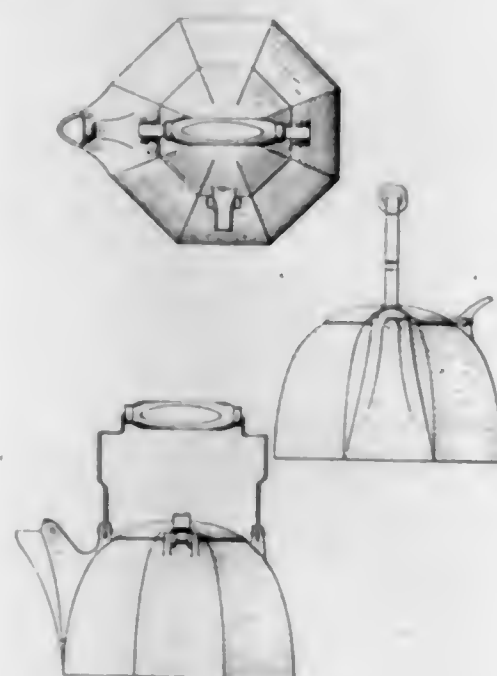
The ornamental design for a statuette as shown.

65,982. MIRROR. GEORGE A. TOMPKINS, Grand Rapids, Mich. Filed June 23, 1924. Serial No. 9,945. Term of patent 7 years.



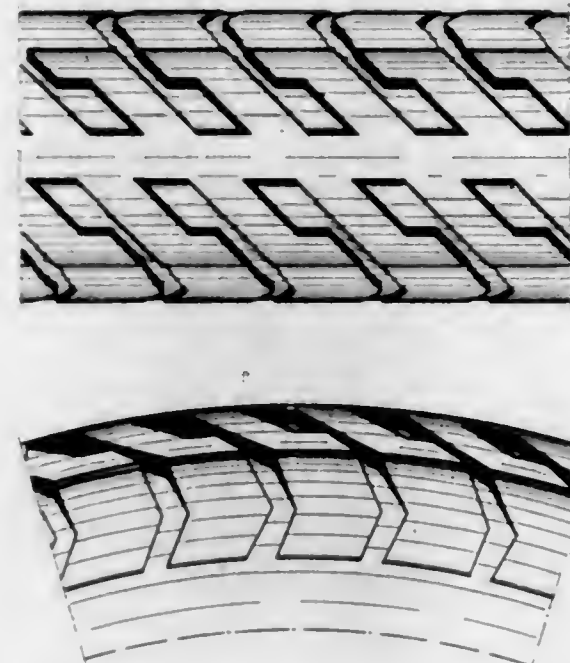
The ornamental design for a mirror, as shown.

65,983. TEAKETTLE. BERNARD P. WAGNER, Sidney, Ohio, assignor to The Wagner Manufacturing Company, Sidney, Ohio, a Corporation of Ohio. Filed Feb. 18, 1922. Serial No. 764. Term of patent 14 years.



The ornamental design for a teakettle as shown.

65,984. TIRE. CHASE W. WOLFE, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1923. Serial No. 5,974. Term of patent 14 years.



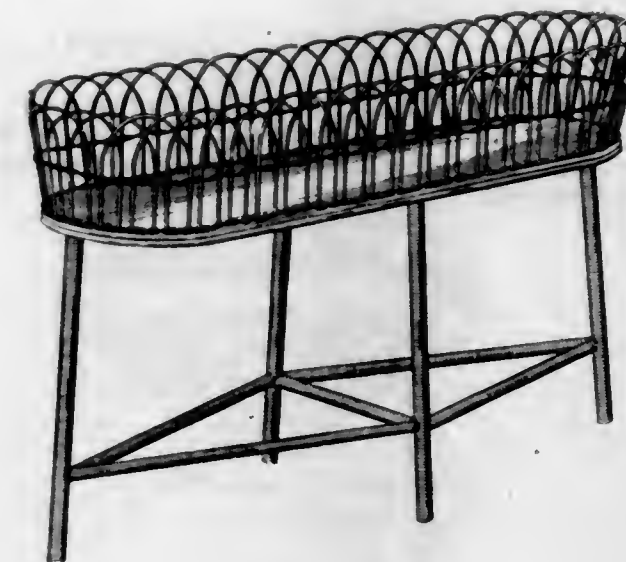
The ornamental design for a tire substantially as shown.

65,985. DOLL. LOLA CARRIER WORRELL, New York, N. Y. Filed June 11, 1924. Serial No. 9,857. Term of patent 3½ years.



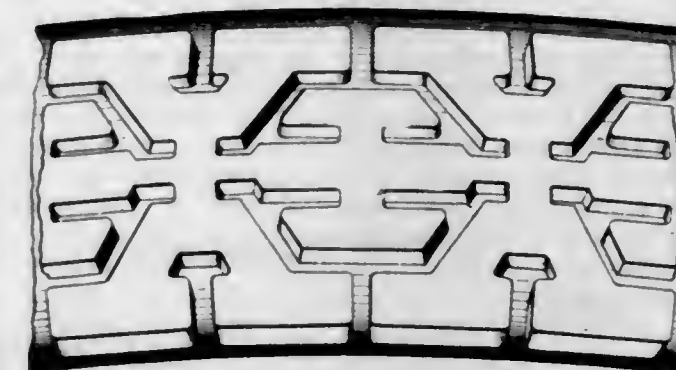
The ornamental design for a doll, as shown.

65,986. RATTAN FERN BOX. FERDINANDO ZUNINO, San Francisco, Calif. Filed May 3, 1923. Serial No. 6,051. Term of patent 3½ years.



The ornamental design for a rattan fern box as shown.

65,987. PNEUMATIC-TIRE TREAD. HARRY S. BERLIN, Springfield, Ohio, assignor to The Victor Rubber Company, Springfield, Ohio, a Corporation of Ohio. Filed Sept. 10, 1923. Serial No. 7,175. Term of patent 14 years.

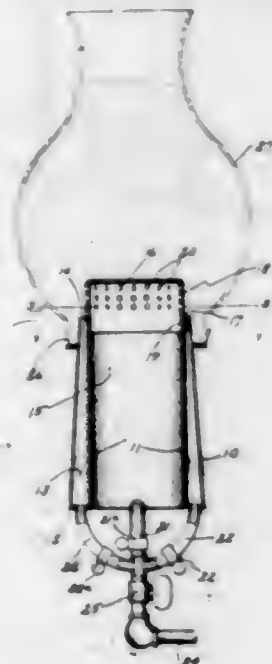


The ornamental design for a pneumatic tire tread as shown.

PATENTS

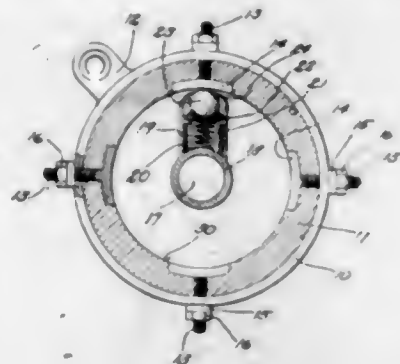
GRANTED NOVEMBER 11, 1924.

1,514,595. COMBINATION BURNER AND LAMP. MARTIN ASSEL, Secaucus, N. J. Filed May 29, 1923. Serial No. 642,179. 1 Claim. (Cl. 158-99.)



A combination gas burner and lamp comprising a conical outer shell having a smaller diameter at the upper end, a cylindrical inner shell mounted axially within the conical member, a flange integral with and connecting the conical shells at their lower ends, gas supply tubes entering the chamber between the inner and conical outer shell through the flange, the inner shell being open throughout its length, a cap having a shoulder thereon, said shoulder seating on the upper edge of the inner shell, and a plurality of holes passing through the walls of said cap, and a gas supply tube entering into the inner shell to deliver the gas into the enclosed chamber.

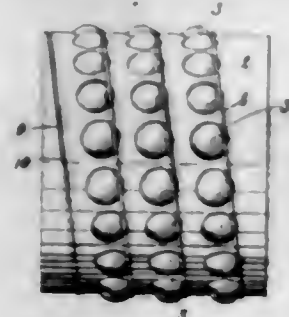
1,514,596. TIMER FOR GAS ENGINES. CLYDE W. ADAMS, Elmhurst, N. Y. Filed Oct. 19, 1923. Serial No. 660,458. 5 Claims. (Cl. 200-26.)



3. A device of the class described comprising a hub having a sleeve extending radially, said sleeve being provided with co-axial dove-tailed channels, said channels having spaced-apart detents, a ball, a seat for said ball, a spring supporting said seat, a felt pad in said sleeve, and means engaging the detents and channels for retaining the ball in the sleeve.

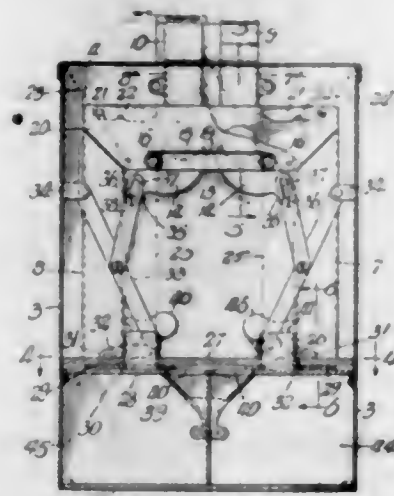
320

1,514,597. BALL BEARING. WILLIAM GINNS BAMBRIDGE, Kettering, England. Filed Feb. 20, 1923. Serial No. 620,147. 6 Claims. (Cl. 64-59.)



1. A ball bearing comprising a housing, balls, a cage consisting of a cylindrical body having holes therein to carry the balls in the form of a spiral series said balls being separated from each other, a wire passed spirally around the cage to retain the balls therein, and means to retain the cage in the housing.

1,514,598. SLUG-VENDING MACHINE. FRANK L. BEEAN, Chicago, Ill., assignor to Ernest H. Koberger, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 548,924. 4 Claims. (Cl. 194-63.)



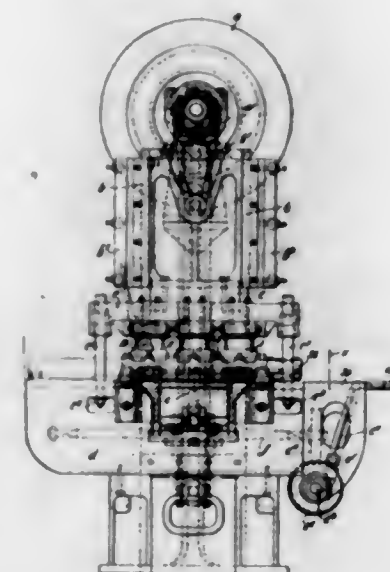
1. In a vending machine, the combination of a chute, a hopper, an ejector for said hopper, said ejector having a part to close the lower end of said chute, a pivoted member at the entrance end of said chute and having a concave recess to receive the article dropped into said chute and for delivering the same to the portion of the chute below said member on turning said member toward said chute, said ejector being connected with said member to be operated thereby and open the lower end of said chute when ejecting an article from said hopper, and means operable through said ejector for preventing the articles above the lowermost one in said chute from dropping through the lower end thereof when opened by said ejector.

NOVEMBER 11, 1924

U. S. PATENT OFFICE.

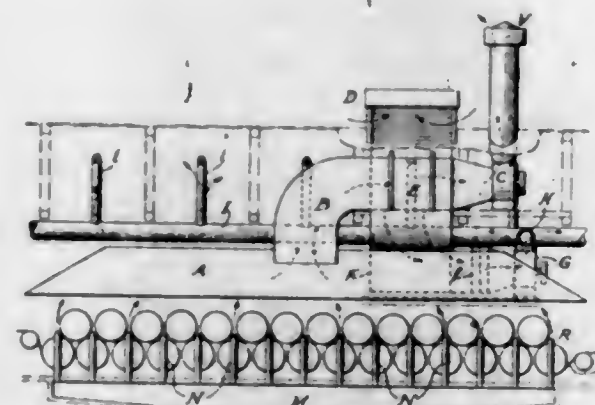
321

1,514,599. MECHANISM FOR THE PRODUCTION OF SHEET-METAL RECEPTACLES HAVING A WIRELESS HINGED JOINT BETWEEN THE BODY AND LID. GEORGE WILLIAM BERRY, Wakefield, England, assignor to Berry Hinge Limited, London, England, a British Company. Filed Jan. 16, 1923. Serial No. 612,879. 16 Claims. (Cl. 29-11.)



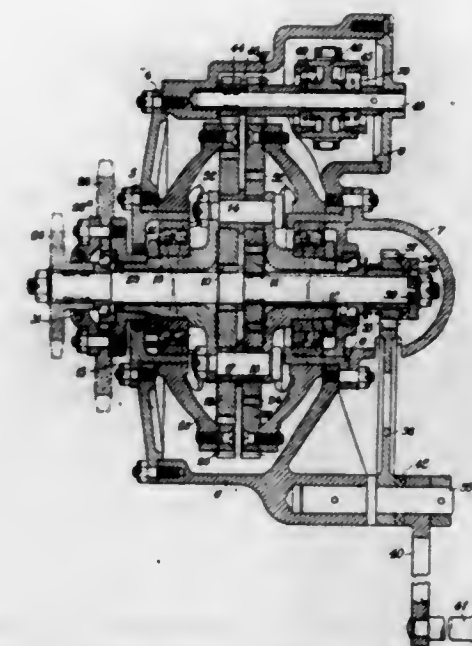
16. In mechanism for the purpose specified, the combination of means for feeding blanks, co-operating dies and punches for shaping said blanks, means for assembling the shaped blanks to hingedly connect the same, and means for adjusting the feeding, shaping and assembling elements whereby single or multiple receptacles may be produced at each operation.

1,514,600. METHOD OF HEATING AND VENTILATING AND APPARATUS THEREFOR. EMIL A. BRINER, East Orange, N. J. Filed May 27, 1919. Serial No. 300,197. 18 Claims. (Cl. 34-24.)



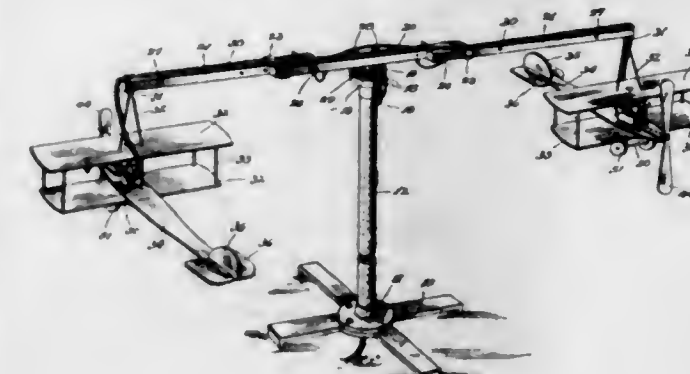
1. In the paper drying art carried on in a building, an economizing process comprising, exhausting heated vapor laden air from above the paper drying machine at substantially atmospheric pressure through passages in a heat exchanger to the atmosphere, drawing through other passages in the heat exchanger atmospheric air, and using it in two stages, first for ventilating the building, and second as an absorbent of vapor leaving the paper drying apparatus.

1,514,601. VARIABLE-SPEED GEAR. WESTGARTH STANHOPE FORSTER BROWN, Haslemere, England. Filed Mar. 30, 1921. Serial No. 456,855. 2 Claims. (Cl. 74-34.)



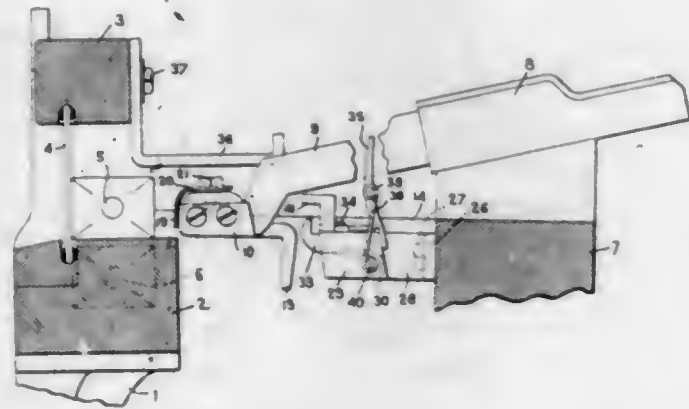
1. In epicyclic speed gears, a double epicyclic train of gears of different ratios and having a common pinion cage, the internally toothed drum of each epicyclic gear train having external teeth, a countershaft mounted in the casing of the gear, two pinions mounted on the countershaft meshing respectively with the external teeth on the drums and means for controlling the rotation of the said two pinions individually.

1,514,602. CAPTIVE-AEROPLANE TOY. FREDERICK A. CHARLAND, Lyndonville, Vt. Filed Mar. 2, 1923. Serial No. 622,382. 2 Claims. (Cl. 46-27.)



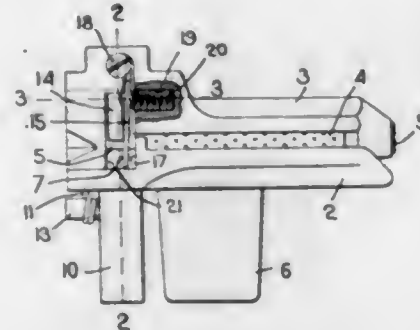
1. A captive aeroplane device including a post, a shell mounted upon the upper end of the post, a block of insulating material mounted in said shell, a socket embedded in said block, a beam having a stud fitting in said socket revolvably supporting the beam, motor driven toy devices connected with the ends of the beam, contact rings embedded in the upper face of the block and provided with pins extending into the block, binding posts extending through the shell into the block to engage said pins, circuit wires connected to said posts, binding posts extending through the beam and provided at their lower ends with brush contacts co-operating with said rings, and circuit wires extending between the upper ends of the latter posts and the motors of said toy devices.

1,514,603. FILLING-CUTTING MECHANISM FOR SHIFTING-SHUTTLE BOX LOOMS. EDWARD A. CUNNIFF, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Aug. 21, 1924. Serial No. 733,256. 4 Claims. (Cl. 139—303.)



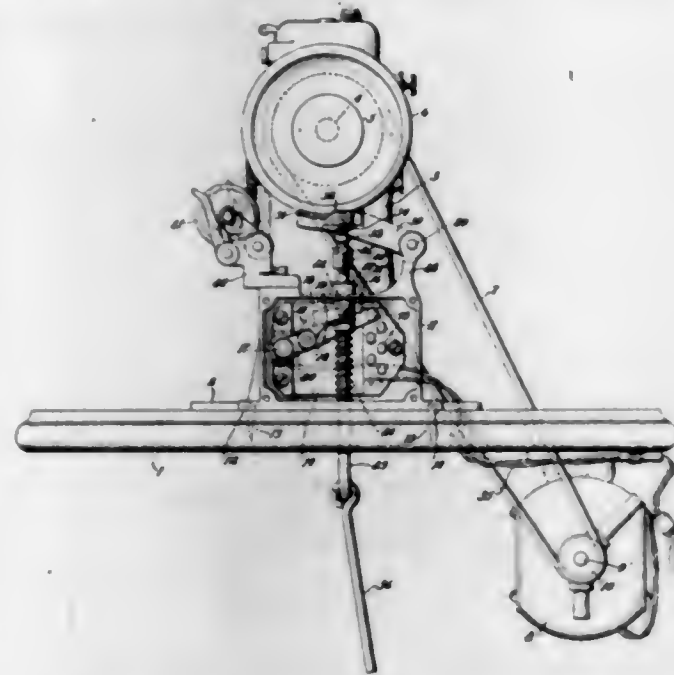
1. Mechanism for removing long filling loops from the selvage of cloth being woven, in a shifting shuttle box loom having a temple comprising a cutter knife carried by the temple and extending transversely of the plane of the cloth adjacent the selvage and between the fell and the rear of the temple with its cutting edge facing rearwardly whereby the loop of filling at the selvage formed by a shuttle upon its reparticipation in weaving is drawn forwardly around the knife and severed as the cloth is taken up in the weaving operation, and cutting mechanism having its field of action adjacent the selvage forward of said cutter knife and acting to cut off close to the selvage the projecting ends of the loop left after severance by the cutter knife.

1,514,604. THREAD-CUTTING TEMPLE FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 17, 1924. Serial No. 714,162. 3 Claims. (Cl. 139—303.)



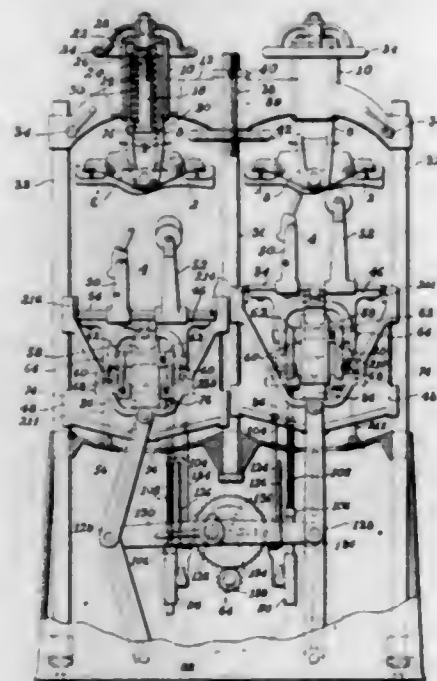
1. A thread cutting temple comprising a head slotted fore and aft adjacent the end of the roll, the wall of the slot further from the roll being flat throughout, a movable cutter member mounted to rock and to move forwardly and backwardly in said slot and presenting a flat side to bear throughout said movements on the flat wall of the slot, and a vertical cutter blade mounted in the head at the front end of the slot at the wall nearer the roll and acting to press yieldingly against the movable cutter member thus to cause it during its movements to bear against and be guided accurately by the flat wall of the slot.

1,514,605. CONTROLLING DEVICE FOR MOTOR-DRIVEN SEWING MACHINES. FREDERICK DIEHL, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Nov. 11, 1922. Serial No. 600,239. 5 Claims. (Cl. 192—17.)



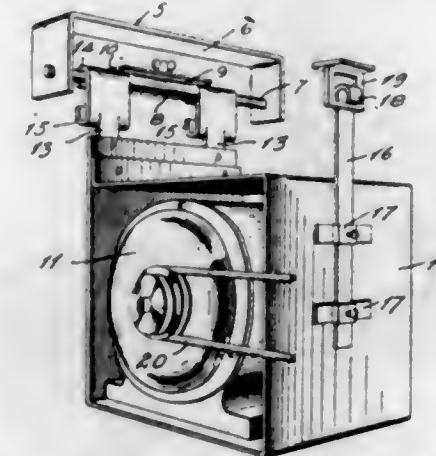
1. A controlling attachment for motor-driven sewing machines comprising a casing, a variable resistance element detachably mounted as a unit within said casing and including a support, a plurality of resistor connected contact points and a shiftable contact arm carried by said support, a brake-lever fulcrumed upon and exteriorly of said casing, and a treadle-operated rod connected at separated points to said shiftable contact arm and brake-lever.

1,514,606. SOLE-PRESSING MACHINE. HARRY D. ELLIOTT, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 4, 1919. Serial No. 335,624. 30 Claims. (Cl. 12—30.)



9. A sole pressing machine having, in combination, co-operating sole pressing members arranged one above the other, means for raising the lower member a distance dependent upon the thickness of the work, and means automatically thrown into operation for then raising the lower member a distance controlled by the thickness of the work.

1,514,607. MOTOR SUSPENSION. VICTOR G. ELLIS, New York, N. Y., assignor to himself, Harry Philip Hagelstein, and Charles William Hagelstein. Filed Jan. 15, 1921. Serial No. 437,490. 3 Claims. (Cl. 64—52.)



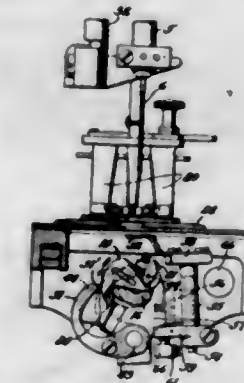
1. Means for supporting a belt operating member comprising a supporting bar, hooks suspended from said bar, a housing for said belt operating member supported by said hooks, and a yoke and a hooked bar for limiting the movement of said housing and straps upon said housing, in which said bar is adjustably secured.

1,514,608. ILLUMINATED TRAFFIC SIGN. ALFRED ELY, Roslyn, N. Y. Filed Mar. 1, 1924. Serial No. 696,117. 2 Claims. (Cl. 40—132.)



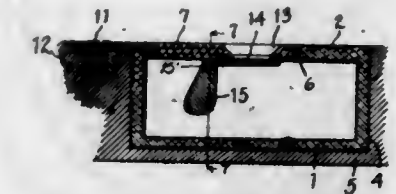
1. A traffic control sign comprising a main compartment and an end compartment, means for permanently illuminating the main compartment, a translucent wall for the main compartment having a contrasting band across it and traffic instructions lettered adjacent such band, means for intermittently illuminating the end compartment, and a window for the end compartment adapted to define an arrow-head so placed that when both said compartments are illuminated, said arrow-head and said band will form an arrow to point out a direction referred to by said traffic instructions.

1,514,609. STITCH-FORMING MECHANISM FOR SEWING MACHINES. ALBERT F. FIFIELD, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Feb. 20, 1923. Serial No. 620,174. 12 Claims. (Cl. 113—201.)



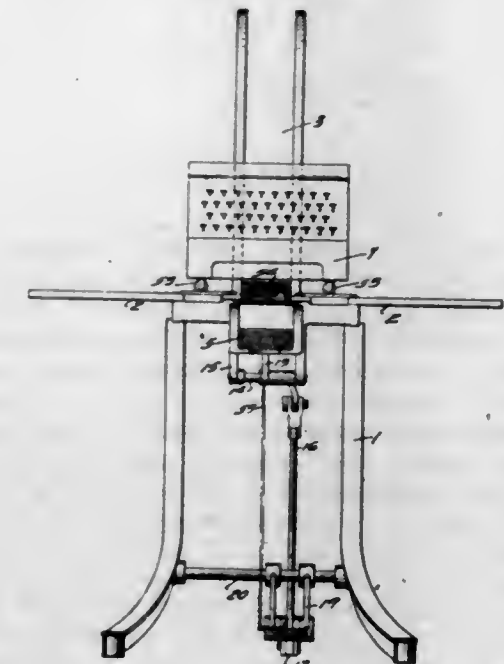
1. In a sewing machine, the combination with a reciprocating needle, a rotary chain-stitch looper and a looper-shaft, of means for engaging the limbs of a needle-loop on the looper and moving them in a direction onto the looper shaft.

1,514,610. INKWELL. CHELSEA C. FRASER and JOSEPHINE A. GOSS, Grand Rapids, Mich. Filed Apr. 23, 1923. Serial No. 633,934. 7 Claims. (Cl. 120—58.)



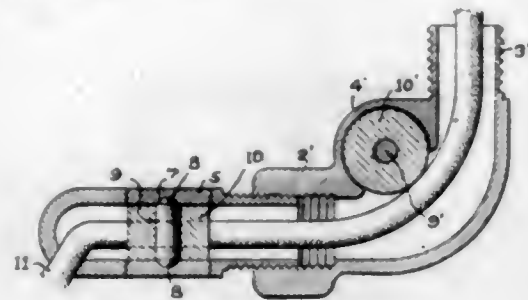
1. In an inkwell, the combination with a recessed support, of a receptacle disposed in said recess with its upper edge flush with the top thereof, said receptacle having an integral top section at one end rabbeted at its inner edge, a cover having a dipping hole therein and rabbeted to fit within said receptacle and to coact with the rabbeted edge of said top section, the top of said cover when closed being flush with said top section, said cover having an attaching flange at one end, said support being recessed to receive said attaching flange, an attaching plug embedded in said support, and a screw disposed through said attaching flange and threaded into said attaching plug.

1,514,611. CARD DAMPENING AND STENCILING MACHINE. ERWIN A. GEIGER, Ridgewood, N. J., and HENRY T. JENNINGS, Brooklyn, N. Y., assignors to Rapid Addressing Machine Company, a Corporation of New York. Filed Mar. 25, 1924. Serial No. 701,617. 14 Claims. (Cl. 197—180.)



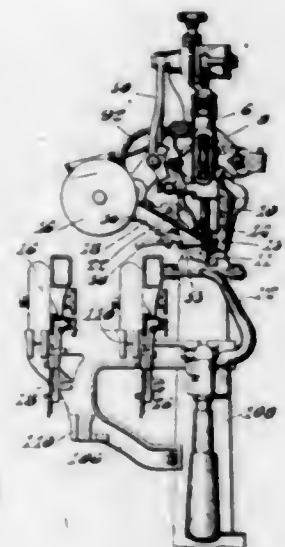
1. In a card stenciling apparatus the combination of horizontal card guides, a magazine for cards located at one end of said guides, a typing machine located over said guides near the other end thereof adapted to operate on a card in said guides and adjustable in a horizontal plane, a dampening device located along said guides between said magazine and said typing machine, and means for feeding cards along said guides from magazine to typing machine.

1,514,612. CONDUIT FITTING. ERNEST M. GLASCOW, Port Chester, N. Y., assignor to Russell & Stoll Company, New York, N. Y., a Corporation of New York. Filed Sept. 21, 1922. Serial No. 589,537. 2 Claims. (Cl. 247-31.)



1. A conduit fitting comprising an elbow having screw-threaded openings in opposite walls thereof and in alignment with each other, removable closure members comprising circular plates screwed within said openings, a removable pin supported by said closure members and a roller carried by said pin.

1,514,613. FASTENING-INSERTING MACHINE. GEORGE GODDE, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 31, 1918. Serial No. 237,418. 32 Claims. (Cl. 1-6.)

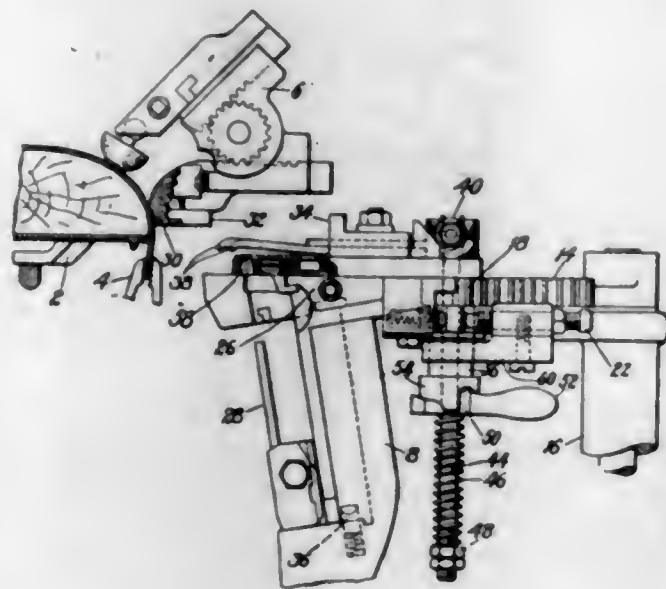


4. In a fastening inserting machine designed to receive fastenings of various sizes in bulk and to feed the same to driving position and to drive said fastenings, means on the machine frame for holding and positioning thereon one of the plurality of entirely separate and interchangeable magazine-and-raceway units designed to supply fastenings of various kinds, each of said magazine-and-raceway units being provided with a plurality of receiving and positioning members constructed and arranged to enter into co-operative engagement with the holding and positioning means on the frame during bodily movement of the selected magazine-and-raceway unit as said unit is moved bodily sidewise in applying it to the frame, the construction and arrangement being such that fastenings of various sizes may be delivered to fastening driving position by selectively using the interchangeable magazine-and-raceway units.

1,514,614. PULLING-OVER MACHINE. JOSEPH GOULD-BURN and WILFRED THOMAS MINETT, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 29, 1921. Serial No. 525,619. 17 Claims. (Cl. 12-4.)

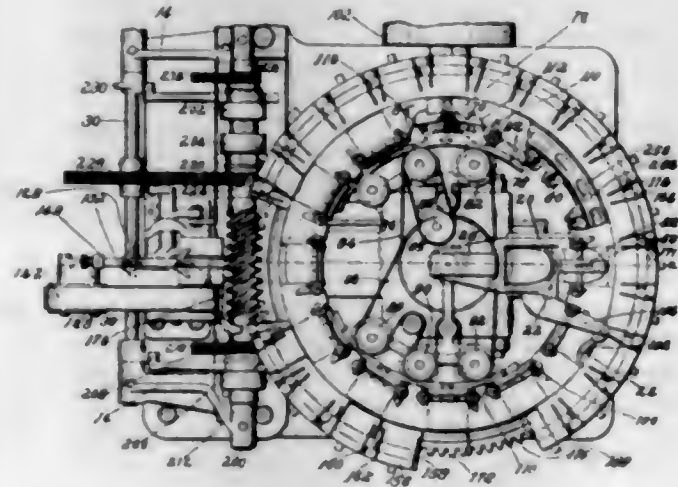
1. In a machine of the class described, the combination with shoe positioning means and means for pulling the upper of the shoe over its last, of upper fastening

mechanism movable bodily toward and from the shoe and movable also under control of the shoe to change its angular relation to the direction of its movement toward the shoe, yielding positioning means for said fastening mechanism against the resistance of which the



mechanism is thus movable angularly, and additional means arranged to become operative as the fastening mechanism withdraws from the shoe to assist in returning said mechanism into a predetermined angular relation to said direction of movement.

1,514,615. AUTOMATIC HEEL-BREAST TRIMMING AND FINISHING MACHINE. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 29, 1919. Serial No. 320,684. 92 Claims. (Cl. 12-42.)

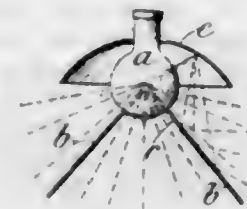


1. In a machine for finishing unattached heels, the combination of means for trimming and finishing the breasts of heel blanks, and automatic means to present heel blanks successively thereto.

1,514,616. FITTING FOR LIGHTING PURPOSES. HAYDN THIES HARRISON, Westminster, England. Filed Sept. 16, 1920. Serial No. 410,633. 2 Claims. (Cl. 240-78.)

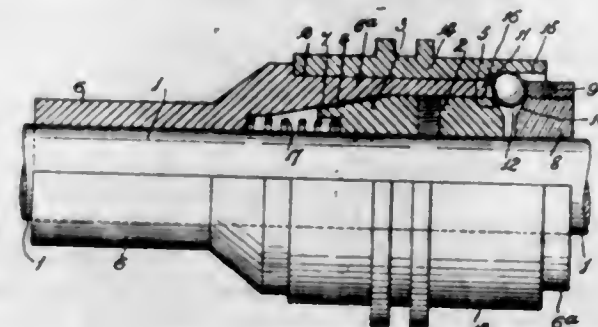
1. In an electric lamp fitting, the combination of an upper concave condensing reflector, an electric incandescent lamp having a horizontal filament arranged to produce a flat horizontal radiant area substantially at the focus of said reflector and in a horizontal plane containing the lower edge of said reflector, and lower down-

wardly diverging reflecting surfaces arranged below said upper reflector and formed of thin sheet material having parallel outer and inner faces whose virtual upper ends coincide with the center of the radiant area and having



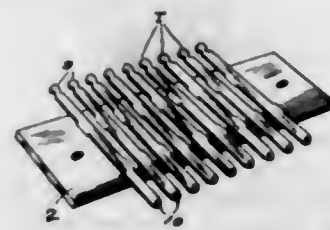
between their inner faces an unobstructed vertical passage open to and below the lamp bulb and through which light rays from the radiant area can pass to the ground or space below the lamp fitting, substantially as described for the purpose set forth.

1,514,617. CLUTCH. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, England. Filed June 6, 1922. Serial No. 566,432. 1 Claim. (Cl. 192-93.)



A clutch, comprising, in combination, a rotatable shaft, an inner clutch member secured to said shaft for rotation therewith, an outer clutch member mounted for rotation on said shaft, said clutch members having co-operating conical clutch faces and said outer clutch member having a sleeve portion encircling the inner clutch member and extending beyond the same, a ring mounted for rotation on said shaft and secured within said sleeve portion contiguous to one end of the inner clutch member, said ring and inner clutch member forming between them an annular opening having inclined sidewalls, said sleeve portion being provided with a circumferential row of radially extending openings, a ball in each of said openings, and a sleeve mounted for sliding movement on the extended sleeve of the outer clutch member and encircling the ball carrying portion of said clutch member, said slidable sleeve being adapted when slid in one direction to force said balls into said annular opening between the ring and inner clutch member.

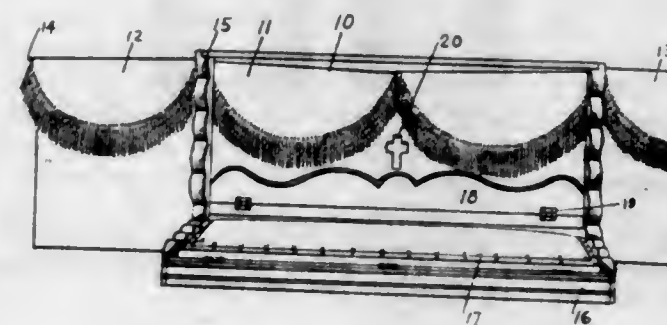
1,514,618. TERMINAL STRIP. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 12, 1920. Serial No. 395,690. 4 Claims. (Cl. 173-324.)



1. A strip of insulation provided with a plurality of orifices arranged in pairs, each pair being arranged in a zigzag position in relation to each other, terminal strips

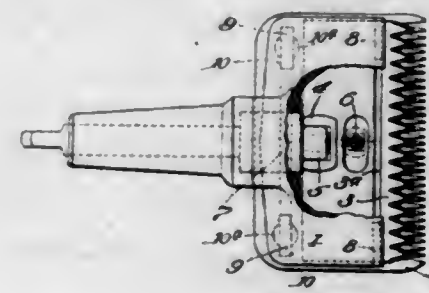
extending crosswise of said strip of insulation, a pair of projecting integrally formed ears for each of said terminal strips, one of the ears of said pair appearing on one side of the terminal strip and the other ear of said pair appearing on the opposite side of said terminal strip, both ears arranged in a corresponding zigzag position relative to each other so that they register with a pair of said zigzag orifices and protrude slightly beyond said insulation strip, said ears then having their ends bent parallel to the insulation strip for securing said terminal strip to said insulation strip.

1,514,619. MEMORIAL. JOHN D. KENNEDY, Peoria, Ill. Filed Jan. 23, 1922. Serial No. 531,016. 4 Claims. (Cl. 27-1.)



1. In a memorial, a knock down structure including a foldable draping element, a kneeling pad, an optionally demountable flower stand and an auxiliary collapsible stand in connection therewith.

1,514,620. ANIMAL SHEARS. HENRY KOCOUREK, Chicago, Ill., assignor, by direct and mesne assignments, to Chicago Flexible Shaft Company, Chicago, Ill., a Corporation of Illinois. Filed May 14, 1920. Serial No. 381,335. 1 Claim. (Cl. 30-1.)

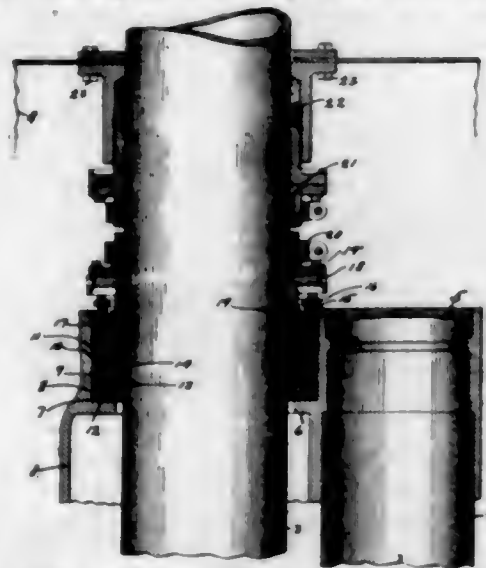


In a clipper comprising a frame, in combination therewith a reciprocating toothed cutter guided for rectilinear movement thereon; a fixed comb with its teeth yieldingly held in contact with the teeth of the cutter, said frame having aligned parallelogrammatic guide ribs for the cutter and aligned parallelogrammatic positioning lugs for the comb formed integrally with said frame and projecting from the bottom thereof, said rib being parallel to said lugs; whereby said ribs and lugs may be faced or machined simultaneously by tooling means mounted in fixed relation to each other, thus insuring parallelism and invariable spacing.

1,514,621. STUFFING BOX. FREDERICK L. G. KOLLMORGEN, Mountain Lakes, N. J., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,556. 8 Claims. (Cl. 114-16.)

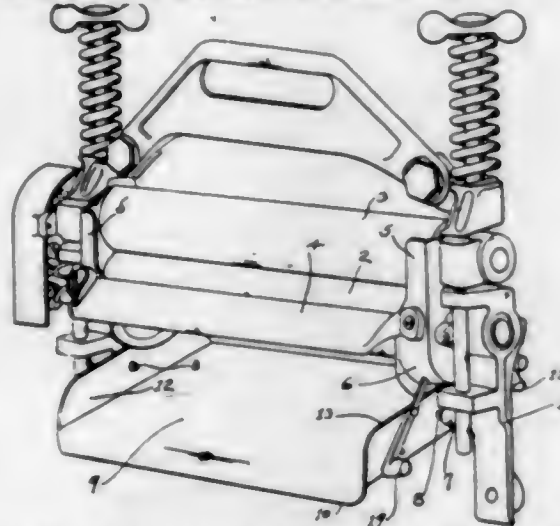
1. In a stuffing box, the combination of a mounting for the stuffing box, a ring removably secured therein, a

concave seat secured to said ring and said mounting, a spherical bearing co-operating with said seat, packing



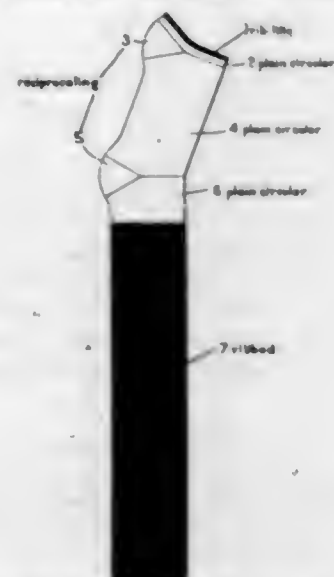
between said bearing and said seat, and means removably secured to said mounting for holding said ring, seat and packing in place.

1,514,622. DRIP PAN FOR WRINGERS. ALVIN W. KRAHN, Milwaukee, Wis. Filed Oct. 14, 1921. Serial No. 507,733. 17 Claims. (Cl. 68—32.)



4. A drip pan for wringers provided with a pair of oppositely disposed, gravity actuated locking dogs.

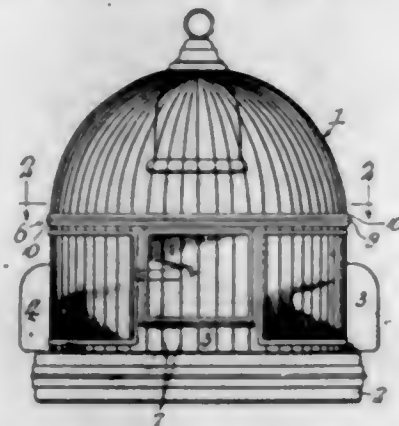
1,514,623. PROCESS OF KNITTING HOSIERY. PATRICK P. LA MONTAGNE, Bourbonnais, Ill., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill., a Corporation of Illinois. Filed May 23, 1921. Serial No. 471,643. 12 Claims. (Cl. 66—4.)



1. The process of knitting a series of complete stockings on a machine having a revolving needle cylinder and dial, a set of cylinder needles and a set of dial

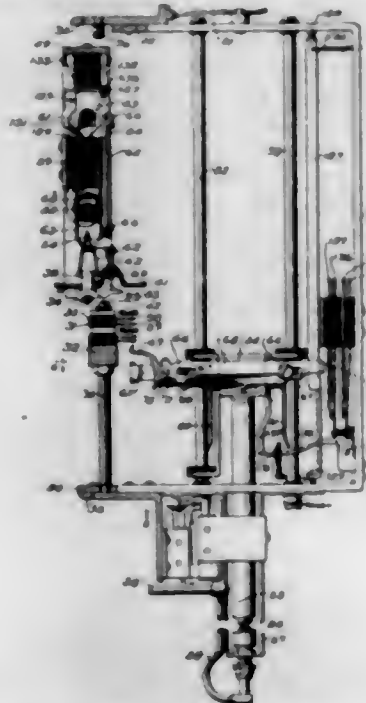
needles in which the knitting proceeds from the toe to the top and comprises the repetition of the following series of steps: First, knitting one or more rounds as in ribbed work with both sets of needles in action, thus to prevent or eliminate multiple headers; second, throwing the dial needles out of action and knitting plain work on the cylinder needles to form the toe, foot, heel and ankle; third, throwing the dial needles into action and knitting ribbed work with both sets of needles to form the leg; and fourth, severing the yarn and knitting the fabric off from the needles, thus leaving the stocking of the required length ready for finishing.

1,514,624. BIRD CAGE. LEWICKI J. LEON, Chicago, Ill., assignor to L. J. Leon Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1922. Serial No. 594,431. 5 Claims. (Cl. 119—17.)



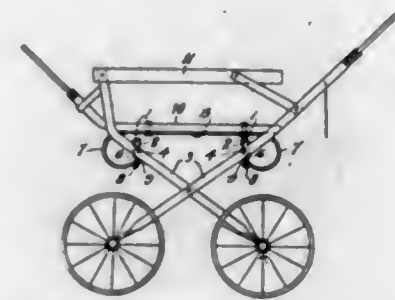
1. A bird cage, comprising a cage body and a base, said cage body being made of wires, a band surrounding said cage body for ornate purposes, and a ring carried by the wires of the cage body at said band, said ring and band having interfitting parts independent of said wires for supporting the band on the cage body without the use of solder.

1,514,625. LINE SWITCHES AND CONNECTION THEREFOR. FRANK A. LUNDQUIST and JOHN A. KROPP, Chicago, Ill., assignors, by mesne assignments, to Henry S. Conrad, trustee. Filed Aug. 26, 1920. Serial No. 406,145. 25 Claims. (Cl. 179—18.)



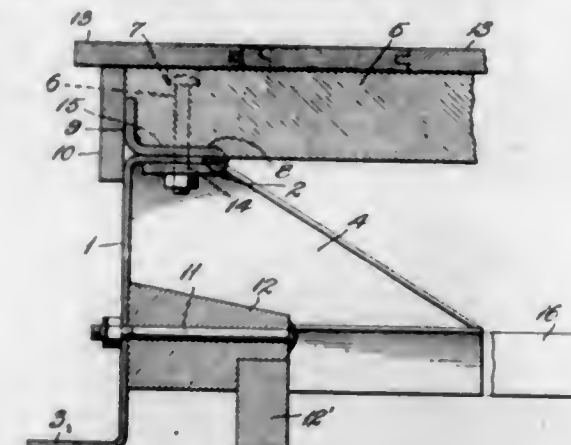
4. In the trunk connections for a telephone exchange, a shaft having a series of cranks thereon, a bar secured to the shaft and serving as a means by which the shaft may be turned, a motor for engaging the bar to turn the shaft, and means operating through a crank on the shaft for starting said motor into operation.

1,514,626. MEANS FOR RESILIENTLY MOUNTING VEHICLE BODIES, SEATS, AND THE LIKE. FRANCIS McLAUGHLIN, Wellington, New Zealand. Filed Oct. 20, 1922. Serial No. 595,765. 2 Claims. (Cl. 267—5.)



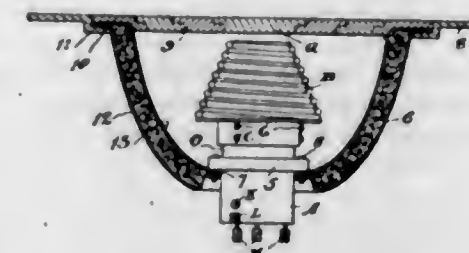
1. Spring supporting means of the character described, comprising inverted parallel U-shaped spring members, transverse rigid members disposed between said spring members adjacent the ends thereof, resilient means connecting said spring members and said rigid members, and a platform connected to the closed portions of said U-shaped spring members.

1,514,627. FREIGHT-CAR-ROOF BRACKETING. JOHN McMULLEN, Buffalo, N. Y., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 5, 1921. Serial No. 505,494. 7 Claims. (Cl. 108—5.)



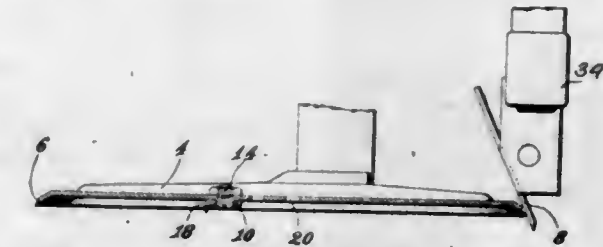
1. A ridge pole bracketing for railway cars comprising in combination; an end plate, a ridge pole supported by said end plate, a bracket interposed between said ridge pole and said end plate, said bracket engaging the bottom and the end of the ridge pole and means for securing said ridge pole to said bracket and said end plate.

1,514,628. ELECTRIC HEAT-GENERATING APPLIANCE. ASHER PRITZKER, Toronto, Ontario, Canada, assignor to The National Electric Heating Company, Limited, Toronto, Ontario, Canada. Filed Apr. 17, 1922. Serial No. 554,070. 13 Claims. (Cl. 219—37.)



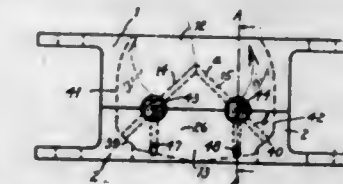
1. In an electric heat-generating appliance, in combination a member adapted to be supported by said appliance; a supporting member positioned in said member and adapted to be permanently coupled thereto; a resistor base, and electrical connections of the push-and-pull type associated with said supporting member and said base so that said base may be readily pulled away from said supporting member, for the purpose specified.

1,514,629. CUTTING MACHINE. EUGENE J. RAY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 31, 1919. Serial No. 286,539. 20 Claims. (Cl. 12—17.)



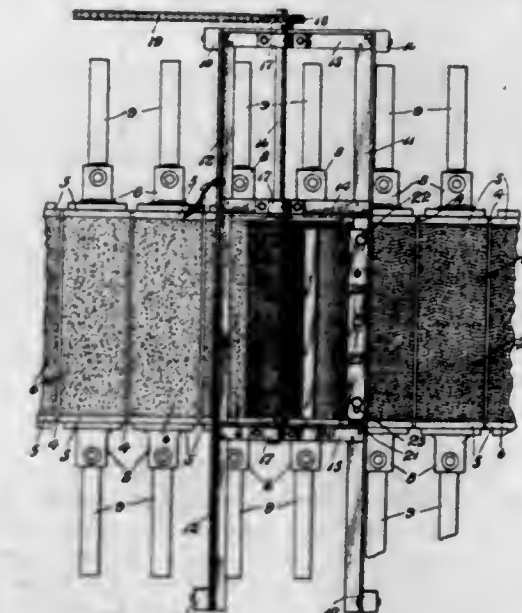
11. In a machine for cutting soles from sheets of rubber, a pattern shaped like a shoe sole and constructed and arranged to be clamped upon a sheet, in combination with cutting means constructed and arranged to follow the contour of the pattern to cut a sole from sheet material, and a cutter operative to cut the material so as to sever the heel portion of the sole from the remainder of the blank, thus providing a half-sole.

1,514,630. ENGINE VALVE. EDWARD E. RICHARDSON, Maumee, Ohio, assignor to The R & S Non-Deflecting Valve Company, Elyria, Ohio, a Corporation of Ohio. Filed Mar. 12, 1920. Serial No. 365,149. 3 Claims. (Cl. 123—119.)



1. In engine valves, the combination with a casing having a longitudinal passageway, a pair of shutters mounted in the said passageway on bearings extending laterally thereof, the said shutters being adapted when rotated to one extreme position to entirely close the passageway and when rotated to an opposite extreme position to open the passageway to obstruct or permit the flow of a gas mixture therethrough, said bearings having auxiliary passages to admit an auxiliary flow of air into the passageway when the said shutters are rotated to more than a predetermined open position.

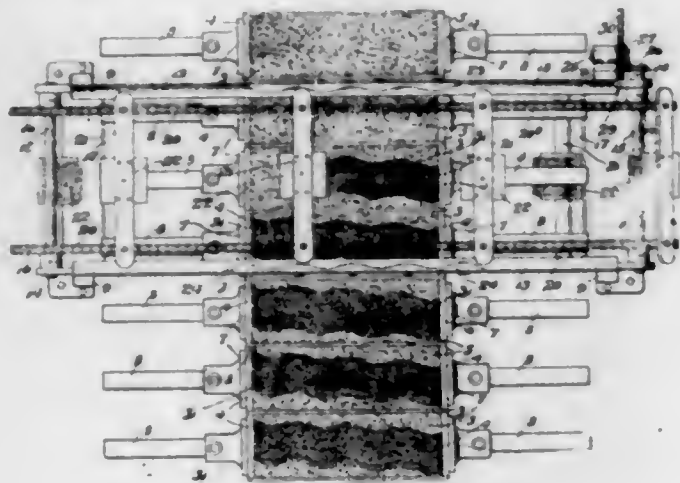
1,514,631. PLASTER-BLOCK SCARFING DEVICE. GEORGE HENRY ADAM RUBY, Fort Dodge, Iowa, assignor to James R. Offield, trustee, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,351. 12 Claims. (Cl. 25—1.)



1. In combination, a block machine including a conveyor movable in a given direction and individual block forms carried by the conveyor having an open upper

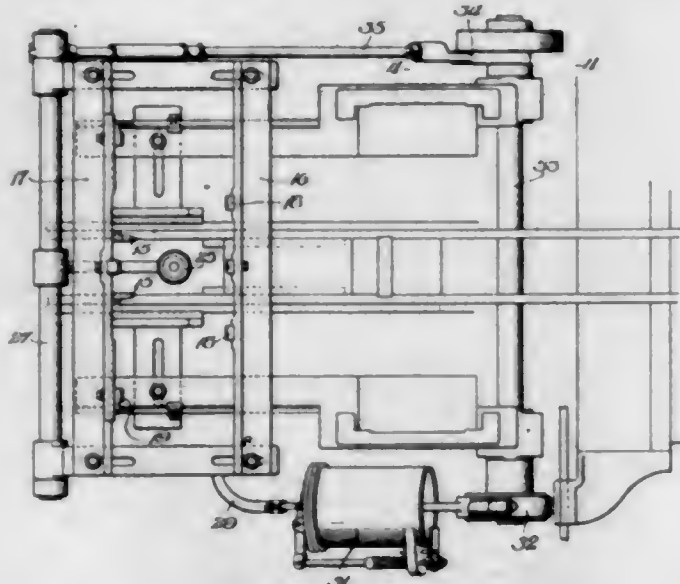
side for the entrance of cementitious material thereinto, and a grooved roller mounted to engage with the exposed upper surfaces of the blocks made in said forms from said material to scarf the same as the conveyor, forms and blocks pass under the roller.

1,514,632. ROUGHING DEVICE FOR PLASTER BLOCKS. GEORGE HENRY ADAM RUBY, Fort Dodge, Iowa, assignor to James R. Offield, trustee, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,352. 12 Claims. (Cl. 25-1.)



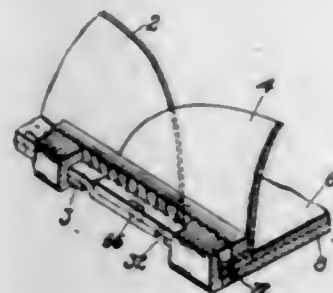
1. In a construction of the class described, a block machine including a plurality of block forms located in consecutive order side by side and adapted to be moved in one direction, of means for roughing the upper surfaces of the blocks in said forms while the same are in plastic condition, said means being mounted to move over and substantially lengthwise of the blocks, substantially as described.

1,514,633. BLANK-FEEDING MECHANISM. HERMAN H. SCHMIDT, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 15, 1920. Serial No. 424,330. 8 Claims. (Cl. 271-61.)



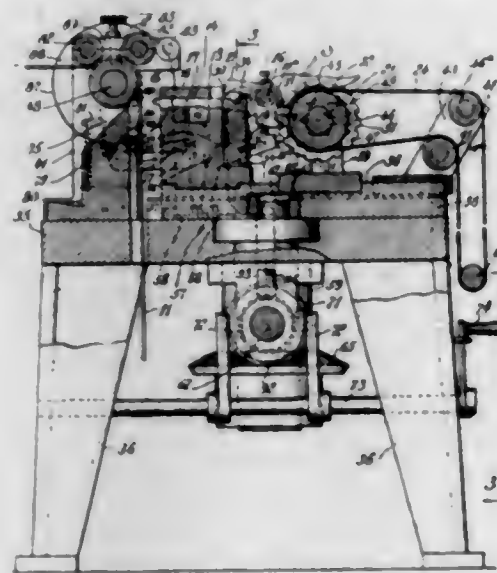
1. A blank feeding mechanism, comprising a stack holder for blanks from the bottom of which the blanks may be singly removed, said stack holder comprising means whereby the entire contents of the stack are divided and supported in a series of three or more separate sections of blanks which sections are alternately and oppositely inclined to each other, and means engaging the said ends of the lowermost blank for supporting it in feeding position.

1,514,634. SHOE AND METHOD OF MAKING THE SAME. THOMAS H. SEELY, Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 24, 1921. Serial No. 509,852. 19 Claims. (Cl. 12-142.)



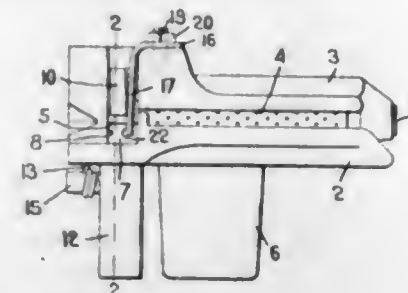
13. That improvement in methods of making shoes which consists in forming a toe blank and a quarter blank with outturned flanges, preparing an innersole blank of the shape of the shoe bottom including the flanges, assembling said parts, securing the flanges to the innersole, preparing an outsole blank having a size in excess of that of the innersole, molding the margin of the outsole into upstanding relation to the body portion, placing the assembled upper and innersole within the upturned margin of the outsole, and molding the margin of the outsole around the edge of the innersole and over and upon the flanges of the toe and quarter blanks.

1,514,635. LINK-MESH MACHINE. OSCAR SODERSTROM and FRED HARRIS LYND, North Attleboro, Mass., assignors to Whiting & Davis Company, a Corporation of Massachusetts. Filed June 6, 1921. Serial No. 475,214. 50 Claims. (Cl. 140-3.)



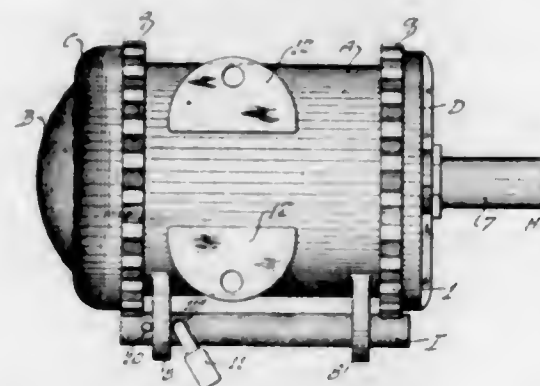
1. The combination of a support for a piece of link mesh fabric having the links thereof arranged in rows lengthwise and crosswise of the piece, means for moving the piece of fabric in the direction of its length, a multiplicity of elements each corresponding to a link in a crosswise row of links of the piece of mesh and adapted to act upon individual links to facilitate their removal from the piece of mesh, a pattern sheet, means for moving the pattern sheet in correspondence with the movement of the piece of mesh, a plurality of members each corresponding to one of said elements and co-operating with the pattern sheet, means for moving the pattern sheet and said members relatively whereby certain of said members are selected and caused to move in a manner different from the other members, and means for actuating the elements corresponding to the members so selected to cause these particular elements to act upon links of the piece of mesh in the row to which they correspond.

1,514,636. THREAD-CUTTING TEMPLE FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 17, 1924. Serial No. 714,150. 3 Claims. (Cl. 130-303.)



1. A thread cutting temple comprising a head slotted fore and aft adjacent to the end of the roll, the wall of the slot further from the roll being flat throughout, a movable cutter member mounted to rock and to move forwardly and backwardly in said slot and presenting a flat side to bear throughout said movements on the flat wall of the slot, a flat steel blade having one end bent normally to the body to form a supporting shank, and means for securing the shank of said blade rigidly to the head with the body depending in the front end of the slot and spaced from the wall nearer the roll to cause the blade by its own resiliency to press yieldingly against the movable cutter member thus to cause the latter during its movements to bear against and be guided accurately by the flat wall of the slot.

1,514,637. ELECTRIC HEADLIGHT. JOSEPH TEIPEL, St. Louis, Mo., assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo., a Corporation of Delaware. Filed Oct. 11, 1922. Serial No. 593,765. 6 Claims. (Cl. 240-19.)



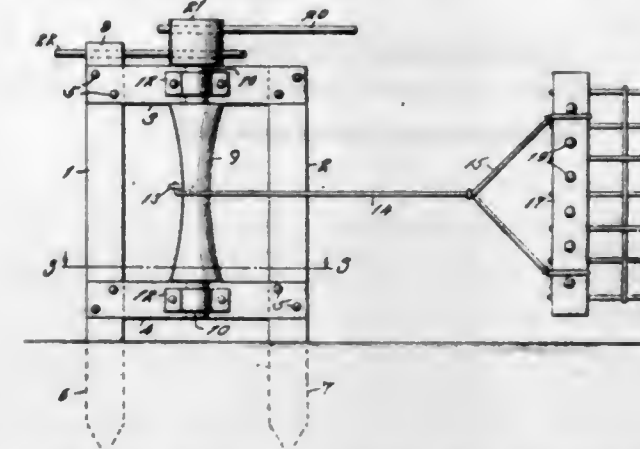
4. An electric headlight, comprising a cylindrical casing provided with lugs, removable closures screwed onto the opposite ends of said casing, and a locking bar arranged longitudinally of the casing in the lugs on the casing and positioned in grooves or openings in the removable closures on the casing.

1,514,638. MANUFACTURE OF GAS BLACK. EDWARD H. THOMAS, East Orange, N. J., assignor to Thomas Carbon Black Company, a Corporation of New Jersey. Filed Jan. 17, 1923. Serial No. 613,293. 7 Claims. (Cl. 134-60.)

3. The process of making gas black which comprises the step of burning a gas derived by the thermal decomposition of petroleum which contains a mixture of hydrocarbons in the vapor phase having one, two, three and more than three carbon atoms and comprises a substantial percentage of unsaturated hydrocarbons having more than two carbon atoms, under conditions which permit the methane present to be substantially consumed but will not permit all the carbon contained in the higher hydrocarbons to be consumed.

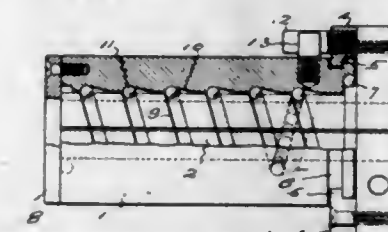
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1,514,639. STRETCHER DEVICE FOR WIRE FENCES. JOHN R. TRICE and JOHN T. WEAVER, Rocky Mount, N. C. Filed May 10, 1922. Serial No. 559,879. 1 Claim. (Cl. 254-164.)



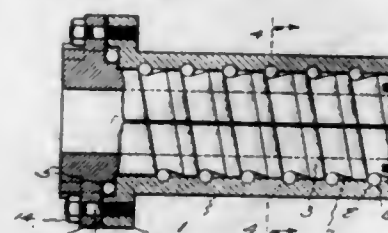
A stretcher device for a wire fence consisting of a supporting frame presenting an abutment at its upper end and having ground-stakes at its lower end adapted to be driven into the ground for holding the frame upright, a vertically disposed drum journaled in the said frame, a fence-clamp, a cable having one end connected to the said fence clamp and the other end connected to the said fence drum upon which it is adapted to be wound, a head-block mounted upon the upper journal portion of the said drum, said head block being pierced with relatively upper and lower horizontally extending openings, and a rod extending through each of the said openings, the rod in the upper opening being adapted to serve as a handle for rotating the said drum, and the rod in the lower opening being shiftable at will into engagement with the said abutment of the frame and serving as a stop-rod for preventing reversed rotation of the said drum when the handle is released.

1,514,640. CHUCK. ALEXANDER URQUHART, Derby, Conn. Filed Apr. 28, 1923. Serial No. 635,321. 10 Claims. (Cl. 279-9.)



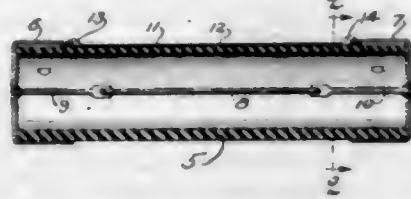
1. A chuck comprising a body, a contractile sleeve rotatably fitted within and held from longitudinal movement with relation to the body, a spiral groove formed in the exterior of the sleeve, a spiral groove formed in the interior of the body, and means extending into the body and sleeve loosely occupying said grooves and adapted to be forced radially inward and contract the sleeve when the body is rotated in one direction with relation to the sleeve.

1,514,641. CHUCK. ALEXANDER URQUHART, Derby, Conn. Filed Apr. 30, 1923. Serial No. 635,511. 7 Claims. (Cl. 279-1.)



1. A chuck comprising an expansible outer sleeve, a contractile inner sleeve, and means between the sleeves which by the rotation of one sleeve with relation to the other tends to expand the outer sleeve and contract the inner sleeve.

1,514,642. FUSE INDICATOR. EDWARD W. WERDEN, Mount Vernon, N. Y., assignor to Edward Taylor Warden, Mount Vernon, N. Y. Filed Nov. 18, 1922. Serial No. 601,860. 1 Claim. (Cl. 200—121.)



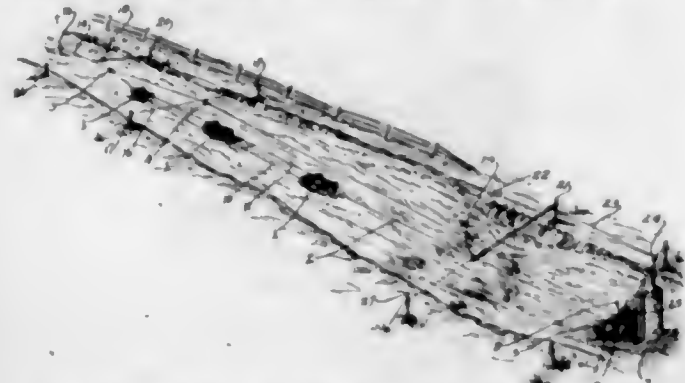
In a fuse, a fuse cartridge, contacts on the ends of said cartridge, a fuse member within said cartridge and connected to said contacts, said cartridge having a longitudinal groove on the outside thereof and extending from one contact to the other, a high resistance element lying within said groove on the outside of said cartridge and connected to said contacts, said high resistance element being embedded in a substantially transparent substance lying within and substantially filling said groove, whereby said high resistance element will be protected and will be visible for its entire length between said contacts.

1,514,643. CAR DOOR VENTILATOR. WILLIAM E. WINE, Toledo, Ohio. Filed Apr. 12, 1922. Serial No. 551,836. Renewed Sept. 22, 1924. 5 Claims. (Cl. 98—27.)



1. In combination with a freight car door having openings formed therein, ventilators fitting within said opening, each of said ventilators comprising two identically formed plates having louvers formed therein, the plates being positioned face to face and spaced from each other, one of said plates being inverted with respect to the other so that the front faces of the oppositely disposed louvers will overlap and form unidirectional air passageways.

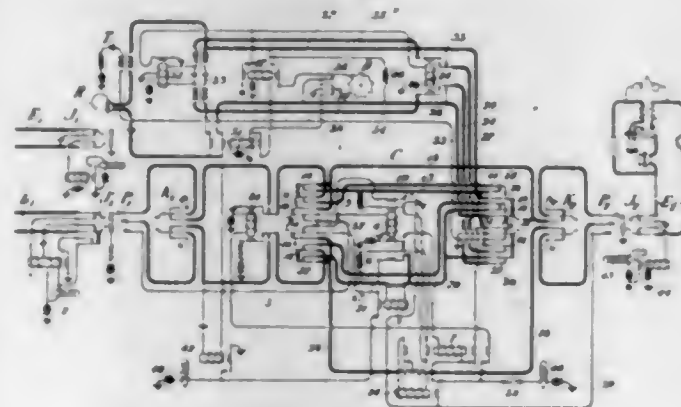
1,514,644. APPARATUS FOR GRADING HILLS. H. CHARLES BAILEY, Seneca, Kans. Filed Feb. 9, 1923. Serial No. 618,013. 15 Claims. (Cl. 37—115.)



1. An apparatus for road grading, comprising a cable, a power plant including a pair of adjacent drums on which the respective ends of the cable are wound, a

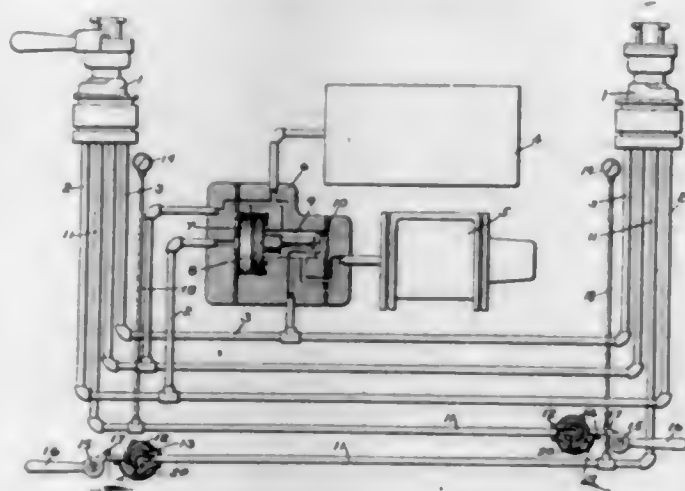
pulley over which one flight of the cable passes, means adapted to be stretched across the roadway for supporting said pulley above said roadway, the other flight of said cable having a train of scrapers secured thereto, said drums being selectively operable to wind up the cable to cause the scrapers to be drawn in either direction over the roadway, said scrapers each having a blade automatically operable when moved in one direction to remove material from the roadway, and operable when moved in the other direction to discharge the material.

1,514,645. PRIVATE BRANCH EXCHANGE CIRCUITS. RAND S. BAILEY, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 25, 1920. Serial No. 419,389. 10 Claims. (Cl. 179—42.)



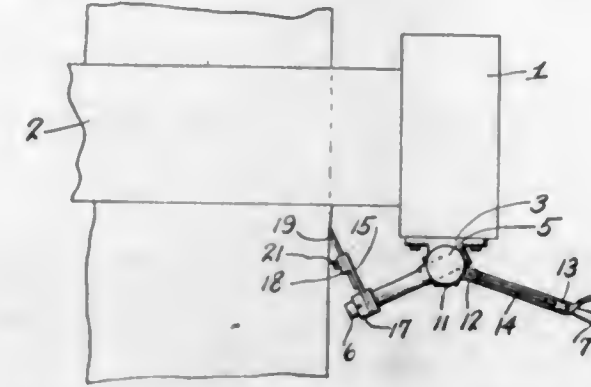
1. In a telephone system, a private branch exchange having extensions leading to a plurality of subscribers, a trunk line leading from the private branch exchange to the main exchange, a cord circuit for establishing connections at the private branch exchange, a supervisory relay for said cord circuit, and means whereby, when a cord circuit is used in establishing a connection between said trunk line and an extension, a circuit will be established for controlling said supervisory relay, and a supervisory circuit controlled by the subscriber's switch hook will also be extended over said trunk line.

1,514,646. DOOR-CONTROL DEVICE. JOSEPH M. ROSENBERG, Peoria, Ill. Filed Dec. 15, 1922. Serial No. 607,217. 5 Claims. (Cl. 303—6.)



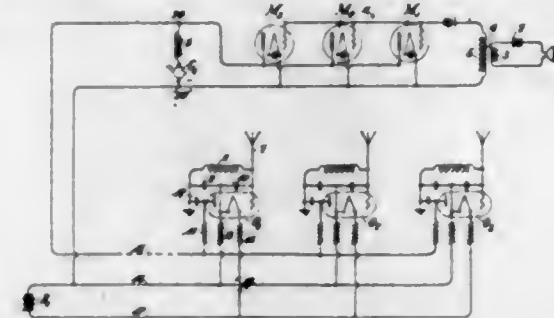
1. In a safety control device, the combination with means for opening and closing a car door, a brake cylinder, and a brake valve device for controlling the application and release of the brakes, of a valve positively operated upon opening the car door and independently of the brake cylinder, pressure for cutting off the exhaust of fluid from the brake cylinder through said brake valve device.

1,514,647. ATTACHMENT FOR CALENDERING MACHINES. JAMES ELMER BOWEN, Akron, Ohio. Filed June 5, 1922. Serial No. 566,087. 5 Claims. (Cl. 164—39.)



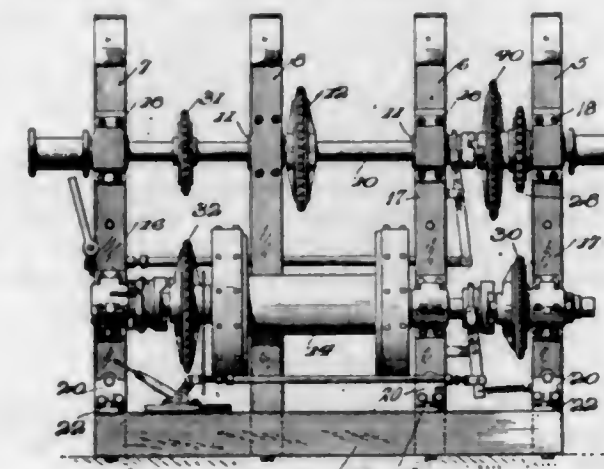
1. A trimming device for calender machines, comprising a shaft, means for rotatably holding the same, a knife carrying part attached to the shaft, a handle and spring means for connecting the handle to the shaft.

1,514,648. DIRECTIVE RADIO SYSTEM. RALPH BOWN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 12, 1920. Serial No. 423,604. 12 Claims. (Cl. 250—11.)



1. In a high frequency signalling system, the combination with a plurality of antennae, each having an oscillation circuit and a multi-electrode thermionic oscillation device associated therewith, the antennae being spaced an even multiple of a wave length apart, of a common modulating arrangement, whereby the oscillations of each oscillation circuit may be simultaneously varied, and a common source of energy for heating one of said electrodes of the said thermionic devices.

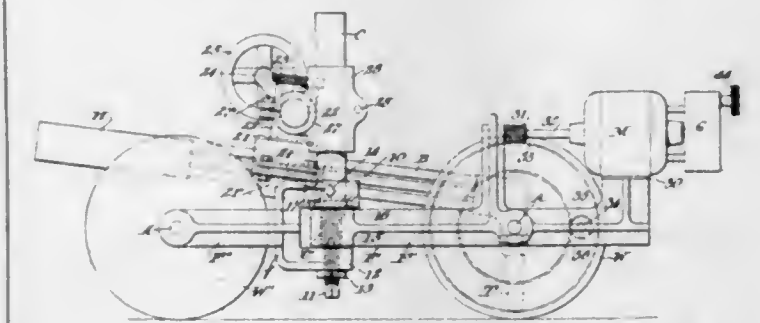
1,514,649. DRAW WORKS. HARRY C. BREWSTER, Shreveport, La. Filed Oct. 13, 1923. Serial No. 668,316. 4 Claims. (Cl. 254—187.)



1. A draw works for rotary well drilling comprising a plurality of spaced posts all arranged approximately in the same plane, a drive shaft rotatably carried by said posts, a drive member mounted on said shaft adjacent

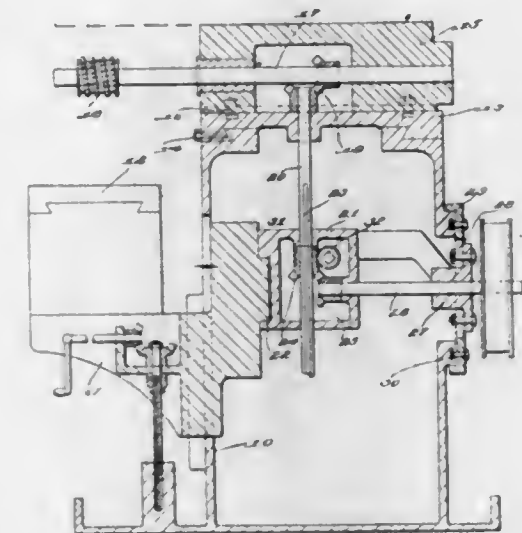
one of said posts, a drum located immediately in advance of one of said posts, and a plurality of combined posts bracing and drum supporting members connected to certain of said posts and spacing said drum substantially in advance of the intermediate post and brackets supporting said combined post bracings and drum supporting members and connecting the same to said posts.

1,514,650. BLOWPIPE APPARATUS. WORTHY C. BUCKNAM, Freeport, N. Y., assignor to The Linde Air Products Company, a Corporation of Ohio. Filed Oct. 8, 1923. Serial No. 667,433. 18 Claims. (Cl. 266—23.)



1. In blowpipe apparatus, a blowpipe carrier comprising relatively adjustable front and rear frame members, blowpipe supporting means mounted on said carrier, and means for moving said carrier along the work.

1,514,651. GEAR-CUTTING MACHINE. FRANK BURGESS, Quincy, Mass. Filed Feb. 17, 1921. Serial No. 445,731. 3 Claims. (Cl. 90—3.)

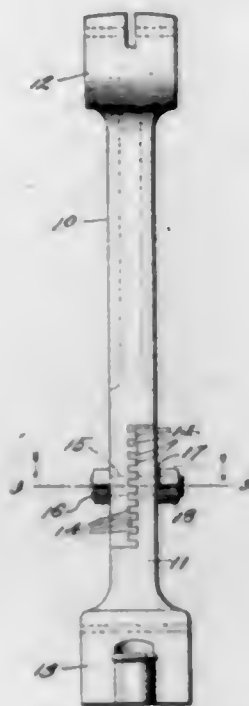


1. A gear cutting machine comprising a work holding platen presenting a horizontally extending work-holding face, a horizontally extending shaft bearing a hob at its outer end extending substantially over said platen, and a mounting for said shaft permitting angular adjustment thereof in a horizontal plane and also bodily adjustment laterally for permitting location of the hob substantially central of the platen irrespective of the angular adjustment thereof.

1,514,652. CONNECTING ROD. ELLIS KIMPTON BURMASTER, Milwaukee, Wis. Filed July 9, 1923. Serial No. 650,525. 1 Claim. (Cl. 74—17.)

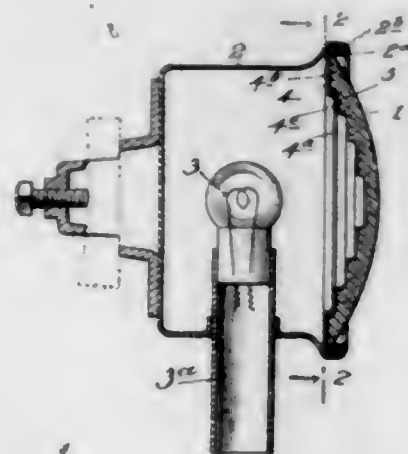
A connecting rod for an internal combustion engine piston comprising a pair of sections, each of which has its inner face cut away at their adjacent ends to afford

a right angular abutment with which their adjacent ends of the sections engage, and coacting horizontally disposed parallel teeth formed upon the inner faces of the



adjacent ends and arranged in interlocking engagement, and a fastening element passing transversely through the cut away ends to detachably connect the sections.

1,514,653. TAIL LIGHT. ALLEN D. CARDWELL, Rockville Center, N. Y. Filed Aug. 17, 1921. Serial No. 492,878. 2 Claims. (Cl. 240-7.)

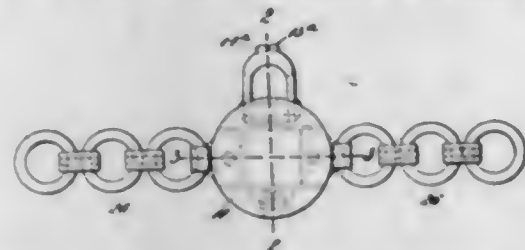


2. A colored lens of the class described provided with an adjacent marginal annular reflecting surface permitting light from a light source on one side of the lens to pass through the opening in the reflector and through the opposing portion only of the lens, said reflector adapted to receive rays from an external source and direct back these rays towards said source.

1,514,654. COUPLING DEVICE FOR DOG COLLARS AND OTHER USES. GEORGE S. CARR, Boston, Mass. Filed Nov. 21, 1922. Serial No. 602,358. 3 Claims. (Cl. 24-241.)

1. A coupling device of the kind described, comprising two plates pivoted together at one side thereof, and each adapted to provide a name plate on its outer surface, a two-part latch hook engaged with the pivot of said plates, the two parts of said hook overlapping in mating relation with a capability of separation to receive a ring, said two plates equipped with studs extending

inwardly therefrom to engage holes in portions of a collar or the like, one of said plates equipped with a stud adapted to be adjusted for locking purposes, and the

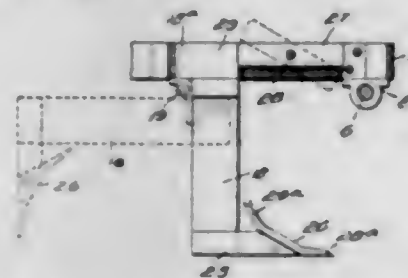


other plate having a tongue projecting inward therefrom equipped with an aperture, adapted to receive a projection from said stud to hold the plates locked together.

1,514,655. FIBER BOARD AND PROCESS OF MANUFACTURING THE SAME. ALBERT L. CLAPP, Danvers, Mass., assignor to Beckwith Manufacturing Company, Boston, Mass., a Corporation of Maine. Filed June 23, 1920. Serial No. 391,163. 5 Claims. (Cl. 92-21.)

1. A process which comprises digesting cellulosic material, animal matter and a caustic alkali with heat and pressure, and then precipitating the animal matter in solution.

1,514,656. PLOW AND SUBSOILER. CLAUDE L. COMER, Santa Ana, Calif. Filed Jan. 28, 1921. Serial No. 440,643. 4 Claims. (Cl. 97-197.)



1. In an implement of the class described, a supporting beam formed of spaced members in parallel relation, a plow standard extending at the upper end between said beam members and hingedly coupled thereto, a rigid stop member between the beam members and spaced from the standard, and a locking member pivoted intermediate the ends thereof between said beam members and bearing at its ends when in one position against the standard and against the rigid stop member.

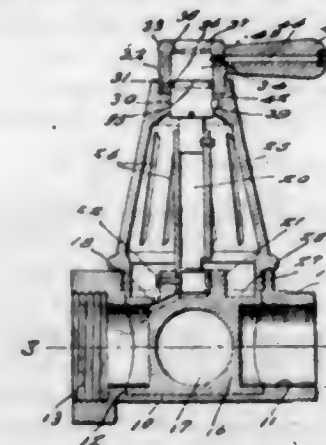
1,514,657. PROCESS OF PRODUCING ALUMINA, ALKALI, AND DICALCIUM SILICATE. ALFRED H. COWLES, Sewaren, N. J., assignor to The Electric Smelting & Aluminum Company, Sewaren, N. J. Original application filed Nov. 20, 1915. Serial No. 62,486. Divided and this application filed May 17, 1920. Serial No. 382,066. 12 Claims. (Cl. 23-22.)

1. The process of obtaining alumina from its silicates which consists in forming a sintered product containing two molecular weights of lime to one of silica and less than one molecular weight of alkali metal oxide to one of alumina, leaching the product thus obtained and separating the alumina contained in the leached liquor.

1,514,658. EXHAUST ALARM AND LOCK. SAM CROCK, St. Joseph, Mo. Filed Feb. 9, 1924. Serial No. 691,804. 3 Claims. (Cl. 116-33.)

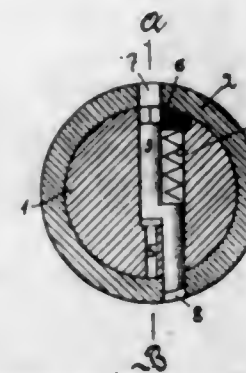
1. In a device of the class described, a body having bores at an angle with each other, a valve for closing one of the bores and having a port for opening this bore upon the rotation of the valve, a stationary tubular housing connected with the other bore, a whistle mount-

ed on the valve and inclosed covered and protected by the tubular housing; said valve having a port leading to



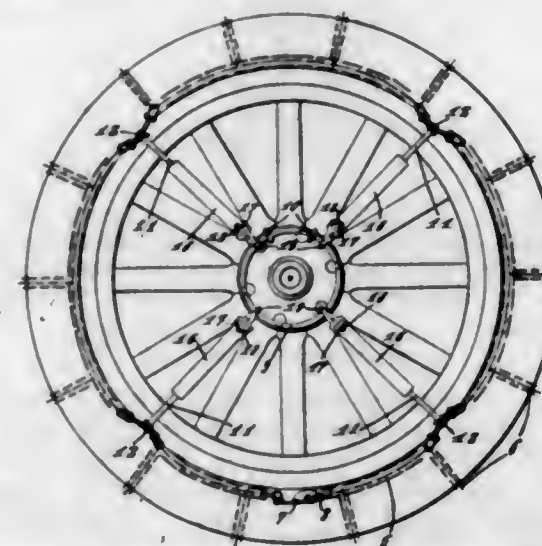
the whistle from the bore closed by the valve, this port being closed when the valve is open, and means for rotating the valve, said housing permanently maintaining a predetermined position with reference to the body.

1,514,659. CYLINDER LOCK. JOHANNES CRONING, Hamburg, Germany. Filed July 26, 1920. Serial No. 399,187. 4 Claims. (Cl. 70-47.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



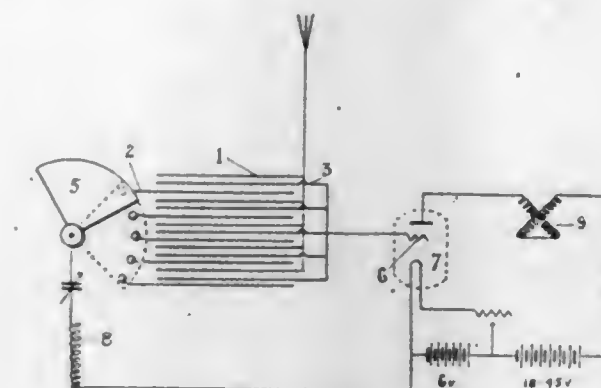
1. A lock, comprising a stationary sleeve and a one piece rotatable cylinder therein having transverse bores registrable with perforations in said sleeve at both ends of said bores, spring-urged single-piece straight pins in said bores having an offset for engagement by a key and capable of entering said perforations and a retaining plate in said cylinder for retaining said pins therein.

1,514,660. ANTISKID-CHAIN-SECURING DEVICE. FRANCIS J. DESSERTY and WILLIAM NIEBAUM, Tonganoxie, Kans. Filed Oct. 13, 1923. Serial No. 668,368. 1 Claim. (Cl. 152-14.)



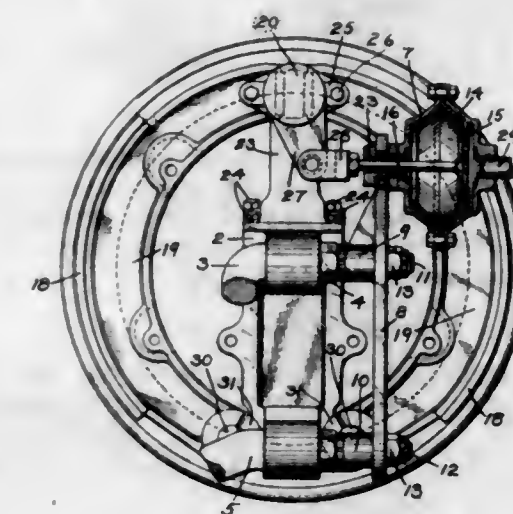
An anti-skid chain securing device including a split resilient securing ring having eyes formed at its ends, the eyes adapted to accommodate portions of the ring adjacent to the ends thereof, and resilient members having connection with the ring to secure a chain thereto.

1,514,661. RADIO RECEIVING AND TRANSMITTING SYSTEM. MAX W. HAUB, Alhambra, Calif. Filed Nov. 6, 1922. Serial No. 590,407. 2 Claims. (Cl. 250-20.)



1. In a radio telegraphic and telephonic transmitting and receiving system, in combination, a condenser mechanically and electrically connected in the aerial-to-ground circuit, comprising two fixed dielectrically opposed plate members and a third or induction plate member between said two fixed plate members and dielectrically related thereto; said third plate member mechanically and electrically connected by a lead therefrom to the grid of an audion bulb of said system.

1,514,662. AUTOMOTIVE BRAKE. HENRY D. HUKILL, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 23, 1923. Serial No. 676,529. 5 Claims. (Cl. 188-152.)

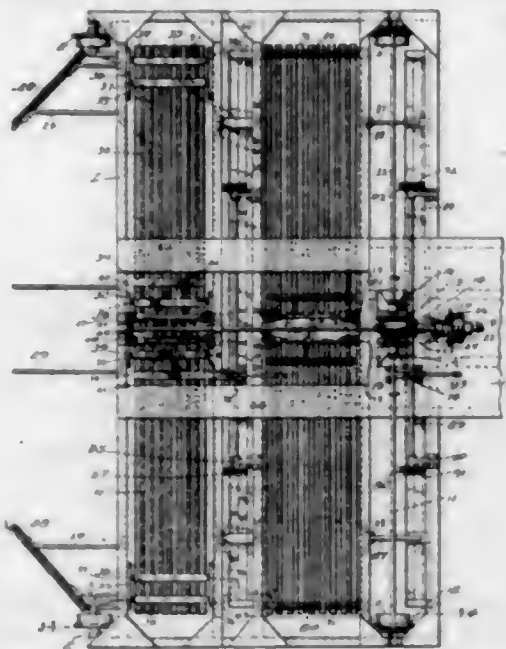


1. The combination with a front wheel steering knuckle, of a steering arm secured to said knuckle and having an extended portion, a tie rod arm secured to said knuckle and having an extended portion, a bracket secured to said extended portions, and a brake chamber secured to said bracket.

1,514,663. MACHINE FOR MAKING ASPHALT PAVEMENTS AND THE LIKE. STANLEY D. HUMPHRIES, Flint, Mich. Filed Aug. 12, 1922. Serial No. 581,426. 9 Claims. (Cl. 94-44.)

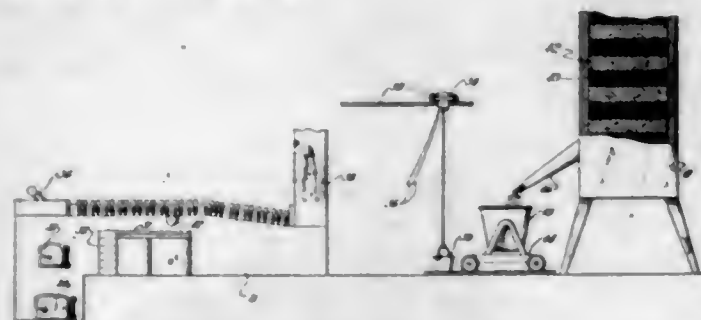
1. A machine for the purpose set forth comprising a portable body, two endwise opposed sets of raking ele-

ments carried thereby and each set extending transversely with respect to said body, means for actuating



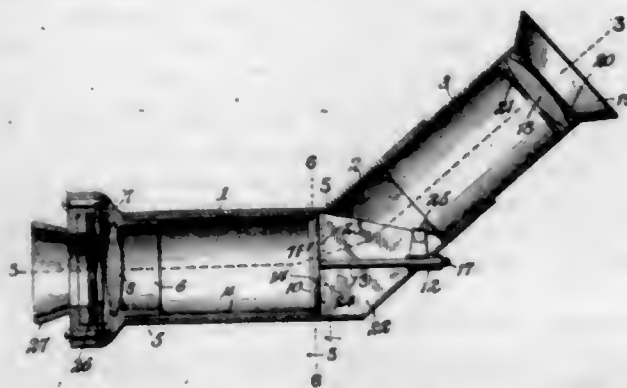
the elements of each set alternately in opposite directions with respect to each other, and means for independently adjusting each set of elements vertically.

1,514,664. PROCESS OF PREPARING IRON FOR MALLEABLE CASTINGS. FREDERIC T. KENNEDY, River Forest, Ill. Filed Nov. 19, 1923. Serial No. 675,478. 7 Claims. (Cl. 75—27.)



1. The process of preparing iron for malleable castings, which consists in melting in a primary furnace a charge of such amount as may be melted within practical time limits, and adding thereto a charge melted in a cupola to increase the output of the furnace.

1,514,665. METHOD OF ASCERTAINING THE ACTINIC VALUE OF LIGHT FOR PHOTOGRAPHIC PURPOSES. ELMER G. KESLING, Bloomfield, Mo. Filed July 17, 1920. Serial No. 396,921. 3 Claims. (Cl. 88—23.)



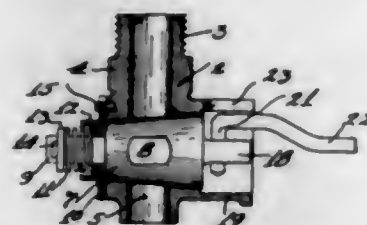
1. The method of ascertaining the strength of light for photographic purposes, which consists in projecting an image of an object or scene upon a screen, comparing the image on the screen with a self-luminous surface of

constant intensity located in proximity thereto, adjusting by means of a pointer working over a predetermined scale the illumination of the screen until the image of the object or scene to be photographed is brought into agreement with the self-luminous surface, and then noting upon the scale the indicated time of exposure of a photo-sensitive surface to the scene to be photographed.

1,514,666. PROCESS FOR THE MANUFACTURE OF SHEETS, PANELS, AND OTHER ARTICLES IN CEMENT AND ASBESTOS AND ARTICLES MADE THEREBY. IVAN EMILE LANHOFFER and OSCAR EDMOND LANHOFFER, Paris, France. Filed Dec. 4, 1922. Serial No. 604,887. 10 Claims. (Cl. 18—47.5.)

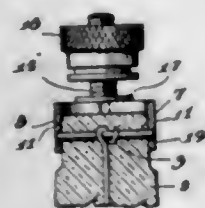
1. The process of manufacturing molded cement articles, which comprises the steps of forming a wet mortar from disintegrated asbestos and ground cement, transforming the mortar into a powder, applying a layer of powder against a mold, and then removing the molded layer; substantially as described.

1,514,667. VALVE AND OPERATING MEANS THEREFOR. WILLIAM LAWRENCE, Chicago, Ill. Filed July 11, 1921. Serial No. 483,722. 2 Claims. (Cl. 251—100.)



1. A valve and operating means therefor, comprising an apertured valve head, a housing surrounding said head and having a single longitudinal slot therein, and a removable handle adapted to be inserted through said slot and into the aperture in said head only when the valve is in closed position and to be rotated within said housing to open said valve.

1,514,668. SPARK PLUG. JESSE T. LITTLETON, Jr., Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Oct. 19, 1921. Serial No. 508,798. 7 Claims. (Cl. 123—100.)

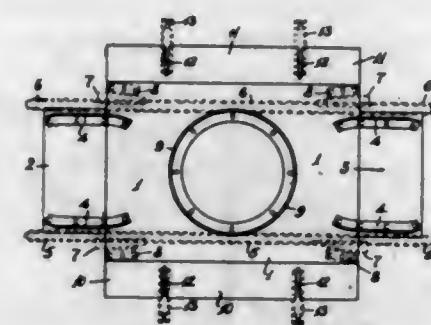


1. A spark plug having a core and a T-shaped electrode which head is embedded in the core, and means for connecting a terminal wire to the ends of the cross head of the electrode.

1,514,669. PLATFORM OR SKID PLATE FOR USE WITH LIGHT RAILWAYS, TRAMWAYS, AND THE LIKE. LEONARD LLEWELLYN LLANDAFF MATHEW, Glencoe Junction, Natal, South Africa. Filed Apr. 19, 1923. Serial No. 633,194. 5 Claims. (Cl. 104—45.)

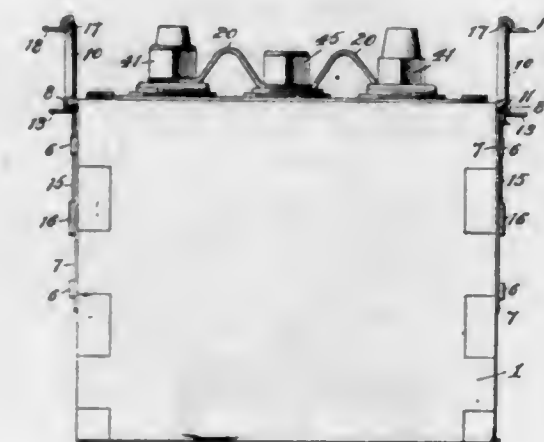
1. A device of the kind described, comprising a main portion adapted to be placed upon the rails of the track, said main portion being fashioned with an extension which is adapted to fit between the rails of the track and is inclined upwardly from the outer end, up

which incline the truck is run on to the main portion, the main portion being fashioned at an adjacent side with a downwardly inclined portion down which the ve-



hicle is run on to the lines of the branch track, and means including wedges for fixing the main portion in position on the track, as set forth.

1,514,670. BATTERY. AUGUST E. MELCHIOR, Oakdale, La., assignor of one-half to John G. Jones, Oakdale, La. Filed June 19, 1922. Serial No. 569,386. 42 Claims. (Cl. 204—29.)



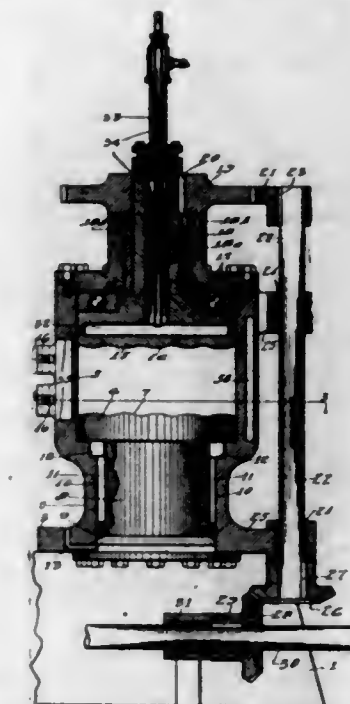
1. A battery, comprising a container, cells received in the container, means insertable between the container and cells for holding the cells against movement within the container, and means carried part by the cell holding means and part by the container for operating the holding means.

1,514,671. APPARATUS FOR AND METHOD OF MIXING PLASTIC MATERIALS. JOSEPH G. MOOMY and JOSEPH H. MOOMY, Erie, Pa., assignors of one-third to Harry E. Moomy, one-third to Mary H. Moomy, Erie, Pa., and one-third to said Joseph H. Moomy. Filed Mar. 24, 1922. Serial No. 546,258. 12 Claims. (Cl. 18—2.)

9. In a mixing machine, the combination of a mixing cylinder; mixing members in the cylinder having working faces at right angles to the axis of the cylinder; means for rotating one of said members and for moving one of them axially to compress an interposed batch; a door in the cylinder wall leading to the space between said members; and means for cooling said door.

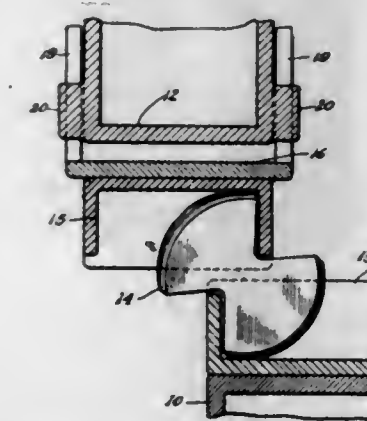
10. In a mixing machine, the combination of a mixing cylinder; mixing members in the cylinder having working faces at right angles to the axis of the cylinder; means for rotating one of said members and for moving one of them axially to compress an interposed batch; a circumferential opening in the cylinder having circumferentially extending door seats thereon; and two doors

for closing the opening, one of said doors having an inwardly faced seat for engaging the seat on the cylinder and an outwardly faced seat and the other of said doors



having two inwardly faced seats for engaging one seat on the cylinder and the outwardly faced seat on the other of said doors.

1,514,672. CAR MOUNTING. BRAYTON G. RICHARDS, Chicago, Ill., assignor of one-half to Elmyr A. Laughlin and one-half to Joshua R. H. Potts, both of Chicago, Ill. Filed Mar. 11, 1922. Serial No. 542,894. 3 Claims. (Cl. 64—65.)

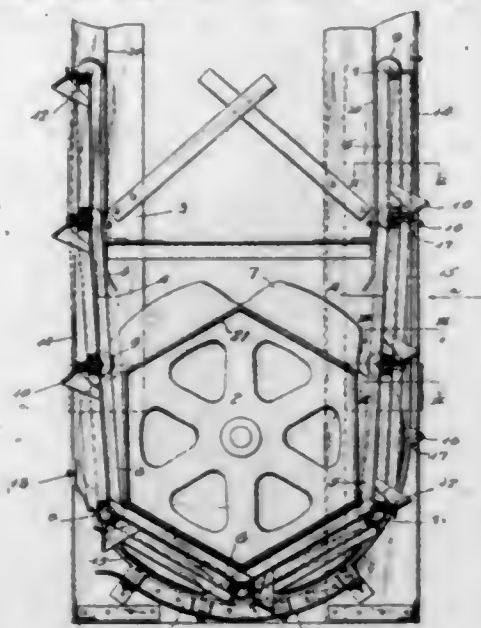


1. The combination with a truck and body mounted thereon, of a bearing housing on said truck; a rocker in said housing and projecting upwardly therefrom; an upper housing fitting over the upper portion of said rocker; co-operating means on said rocker and housings compelling rocking of the rocker upon longitudinal movement of the housings relatively to each other; and a vertically slidable connection between said body and said upper housing permitting lifting of said body without lifting said upper housing, substantially as described.

1,514,673. FLUME SCREEN. GUSTAV R. RODDY, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 5, 1922. Serial No. 592,508. 4 Claims. (Cl. 210—175.)

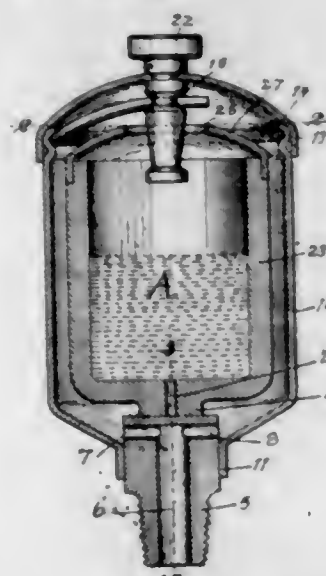
1. In a flume screen of the endless, traveling type, comprising screen sections and sprocket chains to which the ends of the screen sections are secured, the combination with the submerged end of the screen and the means that cause it to make the lower turn, of means

arranged to cover the lateral edges of the screen and the chains to restrict the flow of unscreened water around the side edges of the screen, and guards inside



the said restricting means arranged close to and opposite the outer edges of the supporting chains arranged to restrict the passage of unfiltered water that may escape around the edges of the screen through the chains.

1,514,674. GREASE CUP. GEORGE H. SANDS, Los Angeles, Calif. Filed Nov. 24, 1922. Serial No. 603,037. 4 Claims. (Cl. 184-69.)

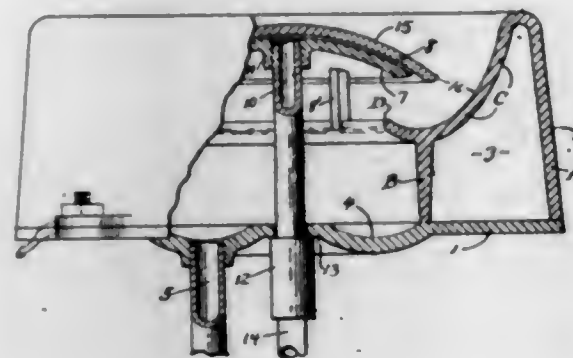


4. In a device of the character described, a plug adapted to be secured to a bearing, a cylindrical housing secured to said plug, said housing having vertical walls, a vertical bore within said plug, lateral bores communicating between said vertical bore and the interior of said housing, a flat surface formed upon the upper extremity of said plug, a receptacle mounted within said housing, said receptacle having vertical walls throughout the major portion of its length and being relatively heavy, a boss formed upon the lower extremity of said receptacle, said boss having a flat surface adapted to contact the flat surface of said plug and a port extended through said boss and communicating with the interior of said receptacle, said port being sealed by said flat surface of said plug when said flat surface of said boss contacts the same.

1,514,675. OIL BURNER. JOSEPH SCHERMULY, Wichita, Kans. Filed June 19, 1923. Serial No. 646,343. 1 Claim. (Cl. 158-80.)

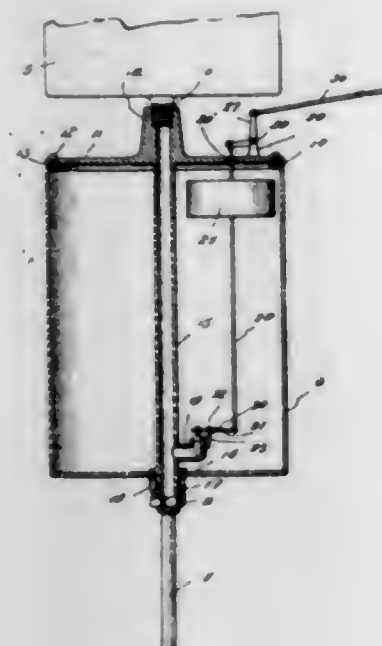
In an oil burner, a feed pipe having an overflow reservoir mounted thereon, an overflow pipe for said reservoir, an air inlet in the rim of said reservoir, a generating

pan and circulating air chamber combined mounted on said reservoir rim, and the air chamber registering with the opening in the said rim, means for fastening the rim of said reservoir to the outside wall of the air circulating chamber, a convex member mounted on the supply pipe, said member having a plurality of radiating



grooves in the convex face thereof, and on one opposite side of said member a plurality of legs adapted to seat on the rim of said generating pan, a hood mounted on the convex member so that the oil will be distributed uniformly through the radiating grooves, and also to function as a heating element to generate the oil into gas, all for the purpose set forth and described.

1,514,676. AUXILIARY FUEL SUPPLY FOR GAS ENGINES. CARLOS ALBERTO SCHMID, New Orleans, La. Filed Oct. 9, 1923. Serial No. 667,515. 1 Claim. (Cl. 158-46.5.)

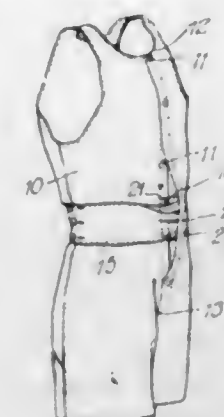


A reserve fuel supply for internal combustion engines comprising a tank having an open upper end and a central opening in the bottom, a cover section for the tank having a copper plate removably secured to the upper open end and formed with an upstanding inlet nipple for adjustment to the outlet nipple on the bottom of a main supply tank, said cover plate being further formed with a depending flow pipe projecting through the opening in the bottom of the tank, means for forming a fluid tight joint between the lower ends of the flow pipe and the tank, the fuel supply line being adapted for connection to the lower end of the flow pipe, and a valve control passing between the interior of the tank and the flow pipe adjacent the bottom of the tank.

1,514,677. MANUFACTURE OF COPYING FOILS FOR PHOTOMECHANICAL TRANSFERS. EUGEN SETPFERTH, Berlin, Germany. Filed Dec. 30, 1921. Serial No. 526,049. 1 Claim. (Cl. 41-46.)

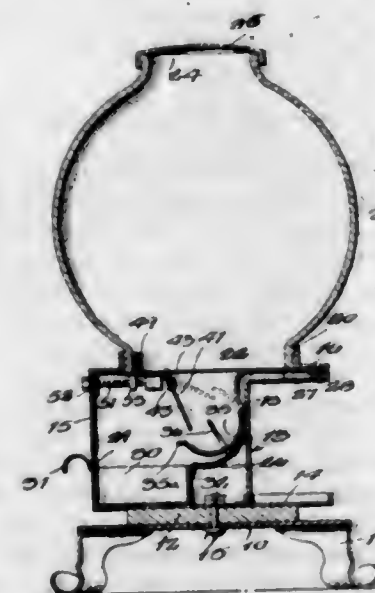
A process, comprising submitting the surface of a transparent sheet of cello to a preliminary treatment with a mixture of glacial acetic acid and acetone, and slightly roughening the surface, whereby to facilitate stamping notes on the thus prepared surface.

1,514,678. UNDERGARMENT. NACKLEY S. SHAHID, Birmingham, Ala. Filed Sept. 22, 1923. Serial No. 664,185. 1 Claim. (Cl. 2-78.)



In a bifurcated union undergarment having an opening at the front extending from the neck band to the crotch, the margins of said openings being respectively provided with buttons and buttonholes, a three part body warming band, comprising two side and front portions, one secured at the front to the inside of the button-carrying margin of the garment, and the other to the other margin of the garment, one of said side and front portions extending inside the garment a substantial distance and emerging from a slit at the side, and the other extending its full length on the outside of the garment, two spaced vertical rows of buttons at the rear of the garment to which the said front and side portions of the band are attached, and a rear portion of said band extending between said two vertical rows of buttons.

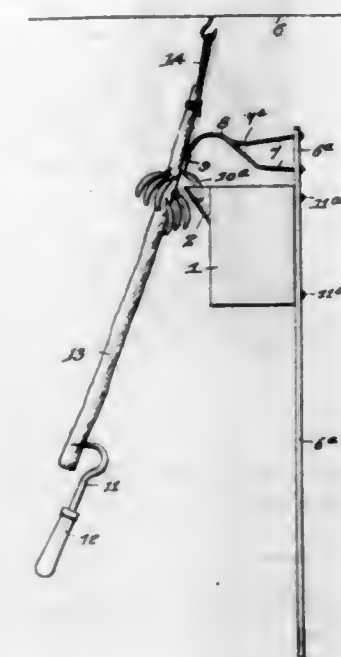
1,514,679. DISPENSING MECHANISM. JOSEPH WALTER SIGOE, Superior, Wis., assignor of one-half to George Vicker, Superior, Wis. Filed Jan. 19, 1924. Serial No. 687,390. 2 Claims. (Cl. 221-107.)



1. A dispensing machine, a casing having a delivery chute, a container for the articles to be dispensed, said container being carried by the casing above the delivery chute, a combined ejecting and measuring pan arranged

between the delivery chute and the container, a swinging plate cooperable with the device for determining the bulk of articles to be dispensed thereby and for preventing the articles from falling from the container onto the delivery chute during the dispensing operation of said device, a slidable carrier for said swinging plate, and manually operable means for adjusting said carrier.

1,514,680. TOOL FOR CUTTING BANANAS FROM BUNCHES THEREOF. JOHN STRAUH, Ashley, N. Dak. Filed Feb. 20, 1923. Serial No. 620,242. 2 Claims. (Cl. 56-339.)



1. In a fruit gathering device of the character set forth, a fruit receiving receptacle, supporting means therefor, a chute integral with said receptacle and adapted to selectively engage fruit to be severed and delivered into said receptacle, a bracket carried by and extending from said supporting means above said receptacle, and a depending cutting blade integral with said bracket and supported above and coacting with said chute for severing fruit selected thereby, said cutting blade extending transversely of said bracket and directed downwardly toward and adjacent the forward edge of said chute.

1,514,681. METHOD OF MANUFACTURING A SPECIFICALLY-ACTIVE ALBUMIN SUBSTANCE FROM TUBERCLE BACILLI FOR USE AS A VACCINE. ERICH TOENNIESSEN, Erlangen, Germany. Filed Nov. 24, 1923. Serial No. 676,861. 4 Claims. (Cl. 167-7.)

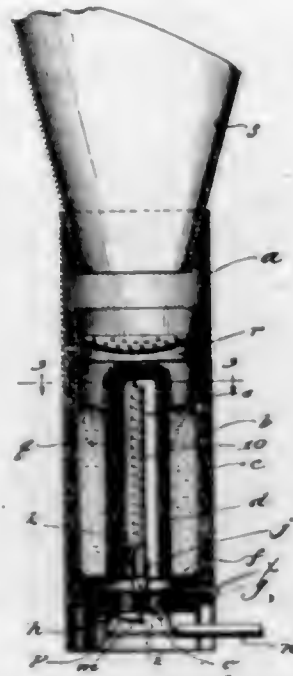
1. The method of producing a specifically active albumin substance from tubercle bacilli for use as a vaccine, consisting in heating the bacilli in diluted muriatic acid, separating them therefrom, extracting them in an alkali solution, and acidulating the extract with acetic acid so as to separate the albumin body therefrom.

4. The method of producing a specifically active albumin substance from tubercle bacilli for use as a vaccine, consisting in freeing tubercle bacilli from their allmenting fluid, heating them in diluted muriatic acid, separating them therefrom, extracting them in a diluted alkali solution, acidulating the extract with acetic acid so as to separate the albumin body therefrom, and drying this latter by alcohol and ether.

1,514,682. ELECTRIC VAPORIZER. HAROLD WILSON, Detroit, Mich. Filed May 3, 1923. Serial No. 636,279. 15 Claims. (Cl. 219-38.)

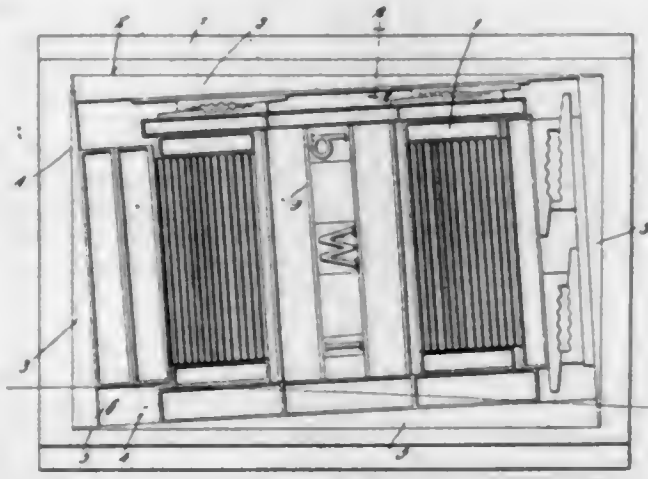
1. In an apparatus for the purpose specified, the combination of a barrel provided with a container for

holding a quantity of vaporizable material for therapeutic purposes, means for vaporizing the same, and



a removable vapor guide detachably secured to said barrel for the purpose specified.

1,514,683. BIAS FURNITURE. ROBERT G. BABB, Port Arthur, Tex. Filed May 15, 1923. Serial No. 639,127. 2 Claims. (Cl. 101—391.)

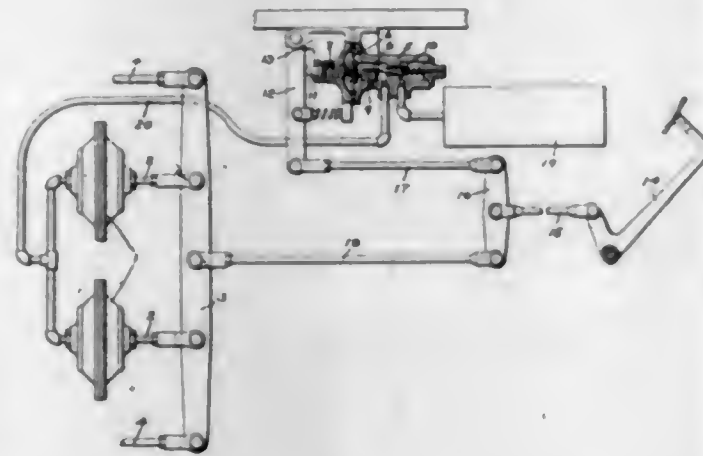


1. In a device of the class described, a chase of rectangular external outline and symmetrical with respect to its longitudinal axis, the chase having a rectangular opening the edges of which are parallel to the outer edges of the chase, and wedge-shaped pieces of furniture cooperating with the chase along all of the edges of the opening, the pieces of furniture forming a second rectangular opening the edges of which are disposed at an acute angle to the adjacent inner and outer edges of the chase.

1,514,684. AUTOMOTIVE BRAKE DEVICE. JOHN R. BARTHOLOMEW, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1922. Serial No. 592,240. 3 Claims. (Cl. 303—48.)

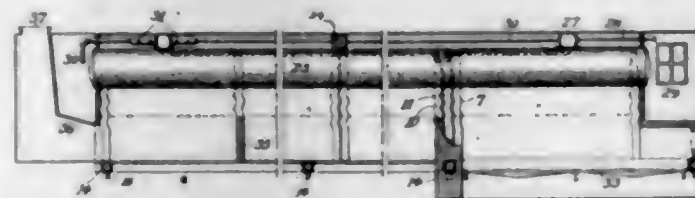
1. In an automotive brake, the combination with a brake applying member, of fluid pressure means for operating said brake applying member including a valve device, a member for operating said valve device, a mem-

ber for mechanically operating said brake applying member, a manually operated device, and a cross arm having its opposite ends pivotally connected to said valve de-



vice operating member and to said mechanical operating member and operatively connected at a point intermediate said ends to said manually operated device.

1,514,685. LOCOMOTIVE BOILER. JOHN J. CAIN, Bayonne, N. J. Filed June 2, 1922. Serial No. 565,348. 1 Claim. (Cl. 122—228.)

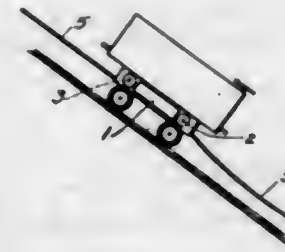


A locomotive boiler, comprising narrow hollow sections transversely arranged, having water legs at their side edges and spaced apart to afford vertical heating passages between them, a longitudinal chamber beneath the water legs at each side of the sections and extending the full length of the boiler, nipple connections between the water legs and said chambers, transverse bracing chambers connected at their ends to the inner sides of and spaced apart throughout the length of the longitudinal chambers and a blow-off connection located at the central part of each of the transverse chambers, whereby all parts of a long boiler at both of its sides may be uniformly adequately cleaned.

1,514,686. METHOD OF WEAVING. RANDOLPH CROMPTON, Worcester, Mass. Filed Aug. 3, 1922. Serial No. 579,532. 3 Claims. (Cl. 139—224.)

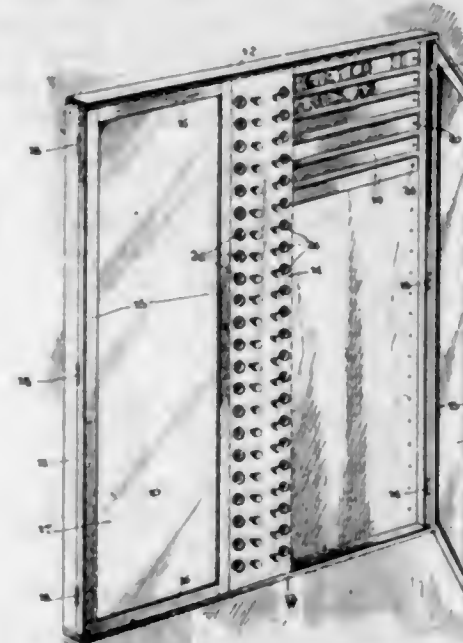
1. That method of weaving on looms having measuring devices for causing transfer of bobbins after a predetermined number of picks, comprising winding the weft upon a series of bobbins; selecting a large number of such wound bobbins; making a test run with all said bobbins; determining the number of picks in the resulting woven fabric; thus determining the minimum number of picks on a bobbin; then setting the measuring device to cause transfer after a number of picks considerably less than said minimum, thereby allowing for stretch of the weft; then placing the transferred bobbins in a winding machine and tying the loose end of the weft remaining on such bobbins to the supply in said winding machine; then winding on each bobbin an amount of weft equal to that which the measuring device upon the loom is set to function at; and finally weaving with said re-wound carriers.

1,514,687. MOVABLE POWER TRANSMITTER. JOHN CUNNINGHAM, Snohomish, Wash. Filed Mar. 6, 1923. Serial No. 623,304. 1 Claim. (Cl. 104—235.)



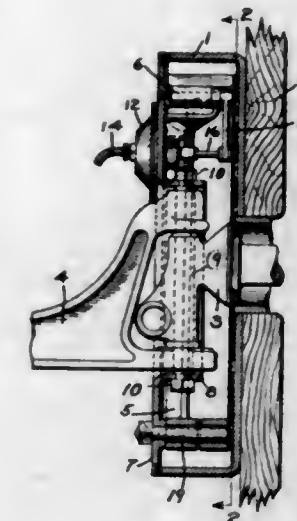
A frame that may be embodied in a car; a roller having grooves around it that may be rotatably mounted in the forward end of the frame; another roller having grooves around it that may be rotatably mounted in the opposite end of the frame; said frame having openings in its ends with rollers in them between which a cable that may be placed around the drums may pass; a roller held in slots in the sides of the frame and extending across it so that it will bear against the cable between the rollers; springs for holding this roller against the cable; and suitable brakes on the ends of the roller shafts for retarding the rollers around which the cable is placed.

1,514,688. DIRECTORY BOARD. DARNELL A. DANCE, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,443. 2 Claims. (Cl. 40—70.)



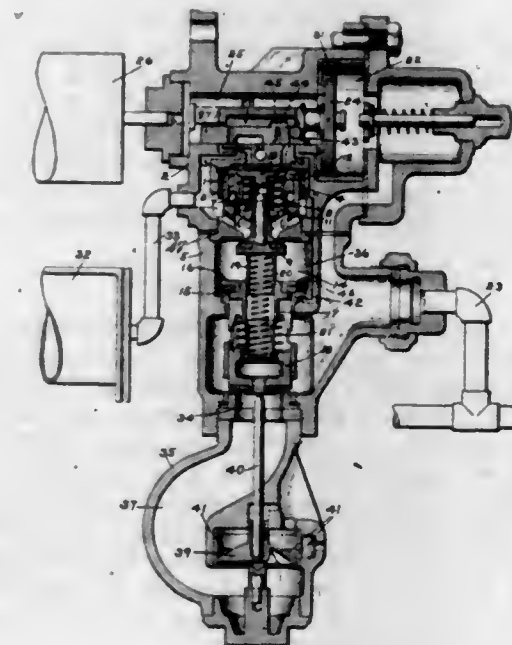
1. A directory board of the character described, comprising a frame, a closure for said frame adapted to form a rear wall therefor, a panel extending longitudinally of the wall and secured between the end members of said frame, a door hinged to each side member of the frame and adapted to form the closure between said frame member and the associated longitudinal edge of the panel, strips arranged upon said wall and upon each side of the panel adapted to support letters whereby different names may be indicated, and indicating means carried by the panel for each strip, whereby the words "In" or "Out" may be displayed for the purpose described.

1,514,689. AUTOMOTIVE BRAKE. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 9, 1923. Serial No. 618,161. 2 Claims. (Cl. 188—152.)



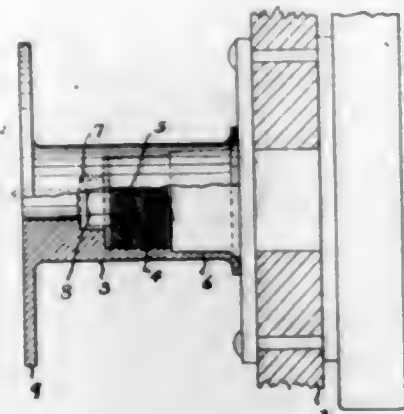
1. In an automotive brake, the combination with the front wheel of a motor vehicle and a steering knuckle for said wheel having a pivot pin and clamping nuts for said pin, of a brake drum associated with said wheel and a cover plate for said drum having a brake chamber associated therewith and provided with portions adapted to be applied to said pivot pin and clamped in position by said nuts.

1,514,690. TRIPLE-VALVE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 13, 1922. Serial No. 587,901. 27 Claims. (Cl. 303—39.)



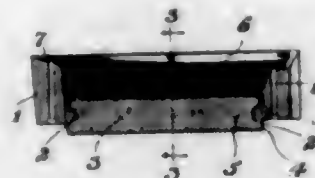
1. In a fluid pressure brake, the combination with a brake cylinder, auxiliary reservoir, and brake pipe, of a valve movable by fluid pressure for closing a communication through which fluid is supplied from the auxiliary reservoir to the brake cylinder and means operated upon a sudden reduction in brake pipe pressure for supplying fluid from the auxiliary reservoir to said valve.

1,514,691. PULLING DEVICE FOR VEHICLES. JOHN T. GLASS, Harrisburg, Tex. Filed Apr. 15, 1924. Serial No. 700,709. 3 Claims. (Cl. 242-95.)



1. In combination with a vehicle wheel, a drum having a deep socket in one end formed with internal threads, and a blank sleeve beyond the threads, adapted to receive and fit closely around the wheel hub, the bottom of said socket having a nut receiving recess, and an annular flange carried by the other end of the drum.

1,514,692. RESILIENT HEEL. MANUEL D. GOLDMAN, Rome, and HARRY A. GOLDEN, Brooklyn, N. Y. Filed Aug. 26, 1922. Serial No. 594,570. 2 Claims. (Cl. 36-36.)



1. A heel comprising a main outer member having a relatively large cavity formed therein and a yieldable member movable within and protruding from said cavity at the tread surface of the heel, said yieldable member comprising an outer layer possessing substantially the same degree of hardness as the main outer member, and an inner layer of rubber of greater resilience than said outer layer.

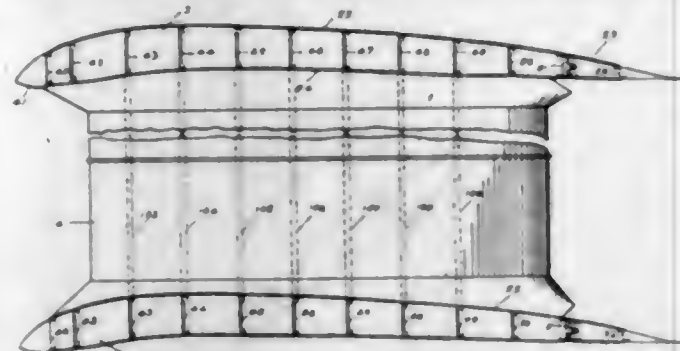
1,514,693. METHOD FOR PREVENTING THE TURNING BLUE OF WOOD. GEORG GRAU and PAUL R. ROTHEA, Chemnitz, Germany. Filed Jan. 5, 1923. Serial No. 610,938. 1 Claim. (Cl. 99-12.)

A method for preventing the turning blue of timber consisting in coating the timber with a solution of sublimate and sodium sulphite in water (one hundredth of the molecular weight of the substance in one liter of water) so that a protecting layer is formed which does not easily assume the crystalline form and at the decomposition of which fungi-killing and colouring-preventing substances are separated.

1,514,694. FLYING MACHINE. MEDOREM W. GREER, New York, N. Y., assignor to All Metal Airplane Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 25, 1920. Serial No. 361,302. 40 Claims. (Cl. 244-31.)

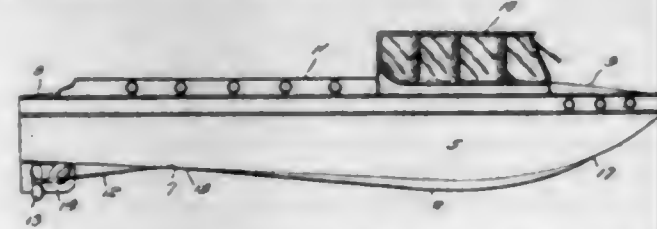
1. A plane for a flying machine made up of a series of metal beams of graduated sizes to give the correct thick-

ness to the plane, a leading edge bent up of sheet metal attached to the forward beam at the top and bottom



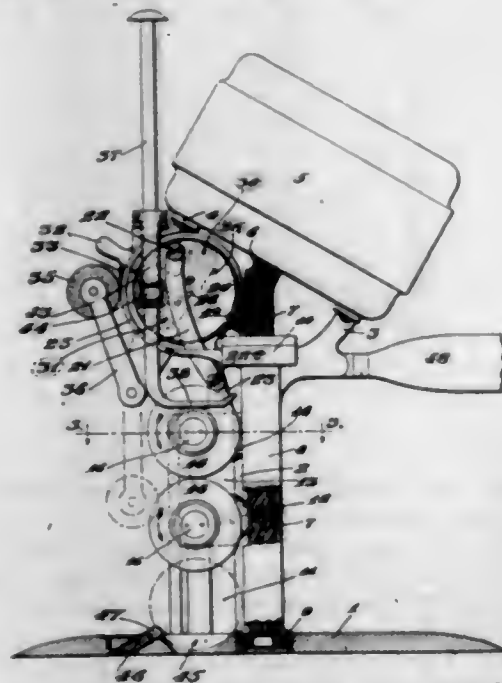
thereof, cover strips running across the top and bottom of said beams and connecting them together.

1,514,695. HYDROPLANE BOAT. GEORGE GREENBERG, Newark, N. J. Filed Dec. 12, 1923. Serial No. 680,143. 3 Claims. (Cl. 114-66.5.)



1. In a hydro-plane boat, a hull having a bottom of flat cross section from end to end and rounded up abruptly at its bow end and extending rearwardly and upwardly on a long and gradual incline at its stern end, downwardly projected keels secured to the bottom of the hull flush with the sides of the latter, intermediate keels fastened to the hull bottom between the first named keels and at short intervals entirely across the hull bottom, all of said keels being of similar form and tapering narrower toward their ends, the ends of the keels terminating respectively at points rearwardly of the bow end of the hull and forwardly of the stern end thereof.

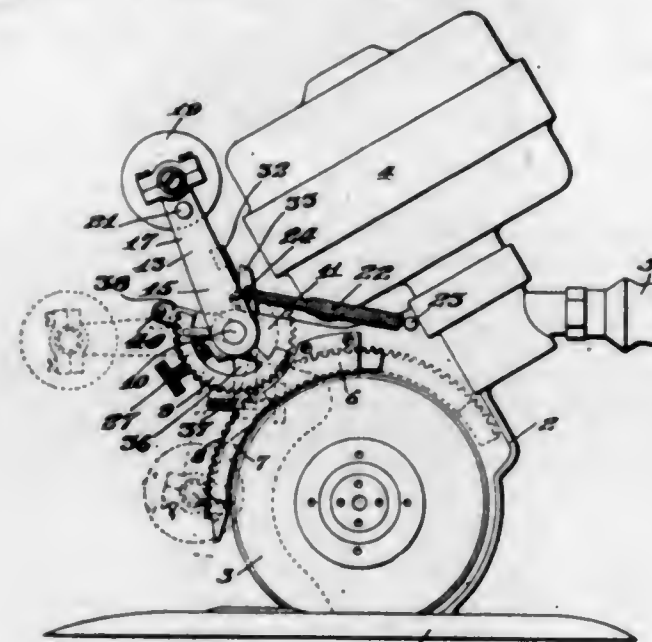
1,514,696. CLOTH-CUTTING MACHINE. JOHN B. GURY, St. Louis, Mo. Filed Mar. 15, 1920. Serial No. 365,804. 8 Claims. (Cl. 164-75.)



1. In a cloth cutting machine, a supporting base adapted to travel under the lowermost layer of a pile of cloth, a standard thereon, a vertically reciprocable carrier on said standard, a rotary cutter mounted on said car-

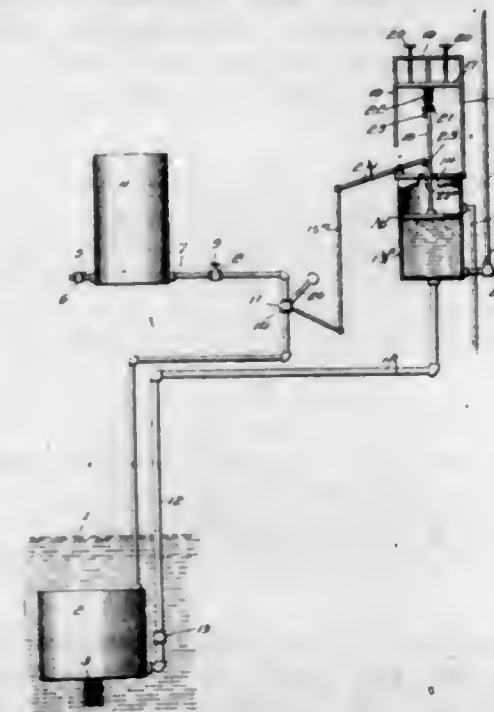
rier so as to be effective to cut in a vertical line, motor-driven means on said standard for reciprocating said carrier and means for at the same time rotating said cutter.

1,514,697. CLOTH-CUTTING MACHINE. JOHN B. GURY, St. Louis, Mo. Filed Aug. 16, 1920. Serial No. 403,789. 3 Claims. (Cl. 164-76.)



1. In a cloth cutting machine having a rotary cutting disk, an arcuate guard movable peripherally of said cutting disk and having peripheral gear teeth, a shaft having a sector rotatable thereon in mesh with said teeth of the guard, a frame hinged on said shaft and having a grinding element to engage said cutting disk, an adjustable stop on said frame, a spring for yieldably holding said sector in engagement with said stop, a spring for yieldably holding said frame in raised position, and means for releasably holding said frame in lowered and neutral positions.

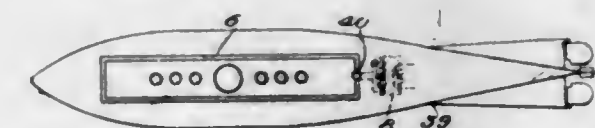
1,514,698. WATER SYSTEM. JAMES G. HAMPTON, La-fontaine, Kans. Filed Feb. 15, 1923. Serial No. 619,190. 2 Claims. (Cl. 103-247.)



1. A water supply system comprising, a compressed air receptacle, a water collecting vessel arranged in a source of supply and receiving water therefrom, a conduit between said receptacle and vessel and providing means whereby water will be forced from the vessel on

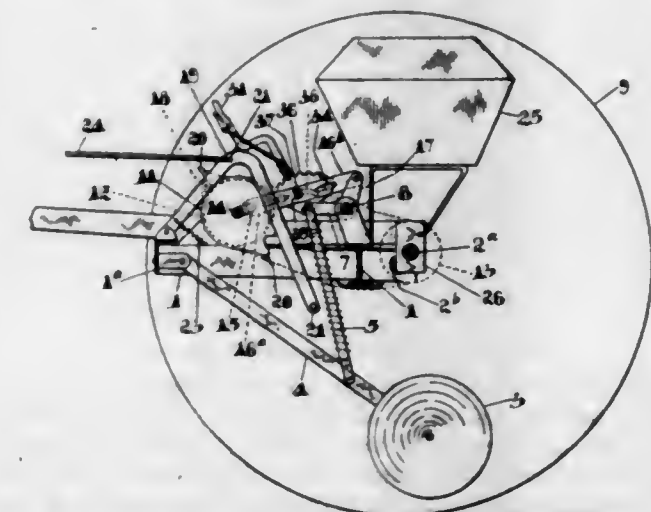
the supply of compressed air from said receptacle, a controlling valve for said conduit, a vertical tank independent of said conduit and receptacle and provided with a piston operated upwardly on a supply of water to said tank, a spring controlled piston rod for operating the piston in the opposite direction, said rod extended from the tank and provided with a pair of spaced trips, a trip mechanism pivotally supported upon the tank and having one end arranged in the path of said trips and its other end connected to said valve and operated to close the valve on the upward movement of the piston and to open the valve when the piston lowers, and a draw-off cock at the lower end of the tank.

1,514,699. METHOD AND APPARATUS FOR WIRELESS CONTROL FOR TORPEDOES, ETC. EARL C. HANSON, Washington, D. C. Filed Aug. 1, 1921. Serial No. 488,819. 2 Claims. (Cl. 250-2.)



1. The method of controlling the operation of torpedoes and other vessels, which consists in transmitting electrical energy at long wave lengths to said vessel, receiving said energy by a submerged antenna, amplifying the received energy thermionically, and controlling the steering mechanism of said vessel by the amplified energy.

1,514,700. SEED DRILL. BURTON S. HARRIS, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Filed Dec. 16, 1922. Serial No. 607,449. 2 Claims. (Cl. 97-244.)

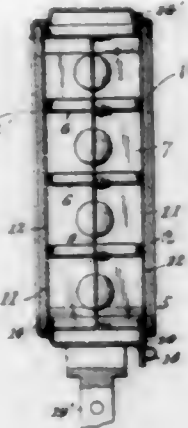


1. A seed drill provided with lifting means for the drills including an adjustable link formed in two parts suitably guided on one another; a notched quadrant formed on one part; a lever pivoted on the last mentioned part and adapted to be engaged with the quadrant; and a pin and slot connection between the lever and the other part whereby one part of the link may be moved relative to the other.

1,514,701. TRANSMISSION CIRCUITS. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,486. 6 Claims. (Cl. 179-175.)

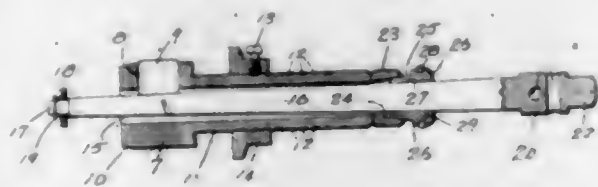
1. In combination, a plurality of electric discharge devices connected in tandem, each comprising an anode, a cathode and a control electrode, means for connecting the first of said devices to an alternating current line,

1,514,711. AUTOMOBILE DIRECTION INDICATOR. CLAYTON E. MCKAMEY, Davenport, Iowa. Filed Oct. 16, 1922. Serial No. 394,879. 2 Claims. (Cl. 40-132.)



1. A device of the class described comprising a casing having open ends, a plurality of horizontally arranged partitions supported in the casing, the side edges of said partitions being provided with longitudinal grooves, panels overlying the open ends of said casing and provided with spaced horizontal beads adapted to be received in the grooves of said partitions, said panels having indicia thereon, translucent panels overlying said panels and illuminating means within said casing.

1,514,712. TRAVELING TUBE EXPANDER. GRAVES R. MAUPIN, Moberly, Mo., assignor to The J. Faessler Manufacturing Company, a Copartnership composed of John W. Faessler, Christina Faessler, Louis E. Faessler, and Graves R. Maupin, all of Moberly, Mo. Filed Aug. 27, 1923. Serial No. 659,453. 7 Claims. (Cl. 152-82.)

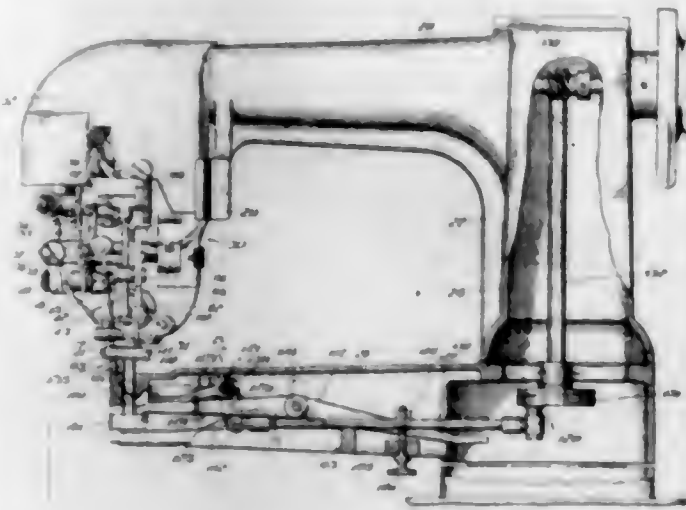


2. A traveling tube expander comprising a cage, a sleeve formed integral with said cage, rollers located in said cage and adapted to be projected beyond the periphery of said cage, a tapered mandrel movable through the cage and sleeve and contacting with said rollers, adjustable means carried by said mandrel for limiting its movement through said cage, and a collar adjustably mounted on said sleeve and adapted to contact with the end of a boiler tube for limiting the travel of said expander in said tube.

1,514,713. BLINDSTITCH SEWING MACHINE. CHARLES W. MUELLER, St. Louis, Mo., assignor, by mesne assignments, to Arbetter Felling Machine Company, a Corporation of Maine. Filed June 28, 1918. Serial No. 242,355. 31 Claims. (Cl. 112-178.)

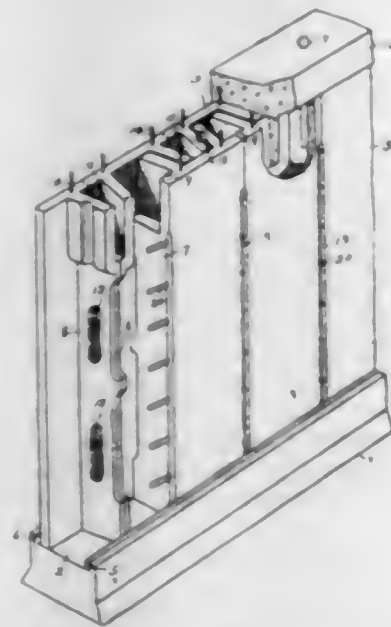
14. In a blind-stitch sewing machine, the combination of a presser-foot having a work opening; stitch-forming means on one side of said presser-foot; a work-clamping member on the other side of said presser-foot, and having an opening; plunger means, working through said presser-foot and clamp-member openings; stop means for positively limiting the movement of the plunger toward the work, said stop means coacting with the clamp

member for determination of its stopping position therefrom; means for vibrating the plunger to elevate it yieldably and depress it positively, a main shaft for



supplying power to the moving parts, and positive connections between said shaft and the plunger-vibrating means.

1,514,714. CONCRETE CONSTRUCTION. EDWARD F. NEEDHAM and THOMAS H. NEEDHAM, Houston, Tex., assignors of one-half to Don Hall, Harris County, Tex. Filed Aug. 13, 1921. Serial No. 492,027. 6 Claims. (Cl. 72-16.)

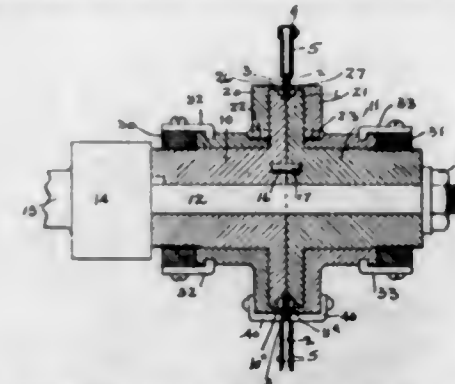


1. A construction of the character described including a base, opposing wall slabs mounted thereon and spaced apart forming a double wall, marginal flanges integral with said slabs and extending across the space between the opposing slabs, the adjacent flanges of adjoining slabs fitting together but having their upper ends spaced apart to form a keyway whose bottom is closed, the spaced ends of said flanges fitting closely against the corresponding spaced ends of the opposing slabs.

1,514,715. MECHANISM FOR MAKING ROTARY BRUSHES. LAURITS HENRIK NIELSEN, Kolding, Denmark, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 20, 1921. Serial No. 462,831. 8 Claims. (Cl. 360-2.)

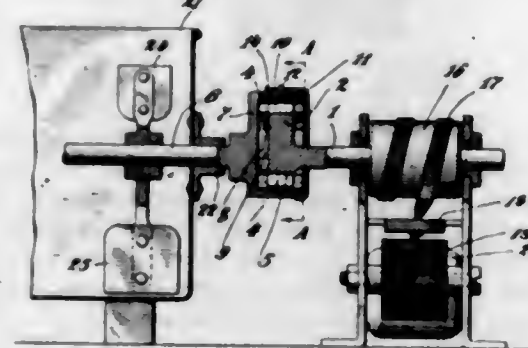
4. In mechanism of the character described, the combination of a mandrel comprising two separable sections

formed with complementary inwardly beveled edges, whereby a groove is formed when said sections are brought together, and independent annular plates adapted



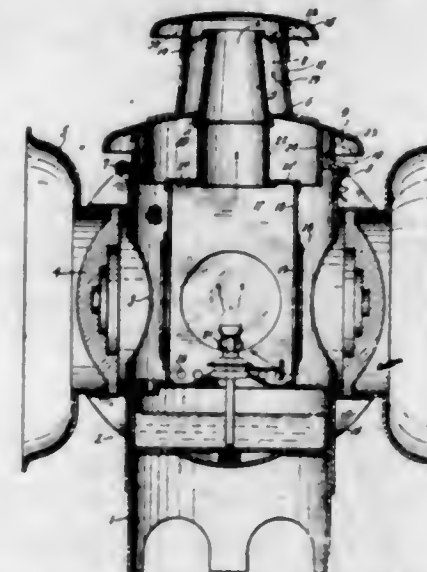
to pass over said mandrel-sections and to be removably clamped against opposite sides of a doubled layer of brush material held in such groove.

1,514,716. SAFETY CLUTCH FOR PRIME MOVERS OR THE LIKE. WILLIAM J. O'LEARY, Montreal, Quebec, Canada, assignor to Marguerite V. O'Leary, Montreal, Canada. Filed July 12, 1919. Serial No. 310,511. 12 Claims. (Cl. 64-83.)



1. A safety coupler adapted to connect a predetermined motor with a predetermined driven member, said coupling comprising a pair of interlocking members, one of which is carried by the motor shaft and the other of which is integral with the driven shaft, said interlocking members being eccentrically arranged, and means whereby said interlocking members can only be assembled when the axis of the driven shaft and the axis of the motor shaft coincide.

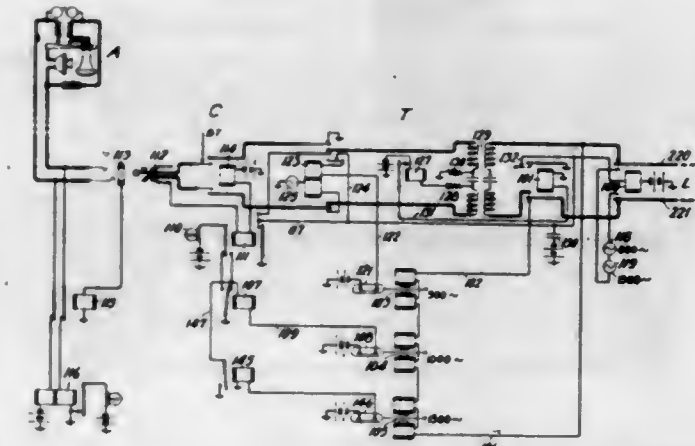
1,514,717. SIGNAL LAMP. ZACHARIAS OLSSON, New York, N. Y., assignor, by mesne assignments, to Burgoyne Light & Signal Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 23, 1922. Serial No. 596,388. 3 Claims. (Cl. 240-22.)



1. A signal lamp comprising an outer housing having a top hinged thereto, a chimney extending through said top and movable therewith, a lamp casing removably

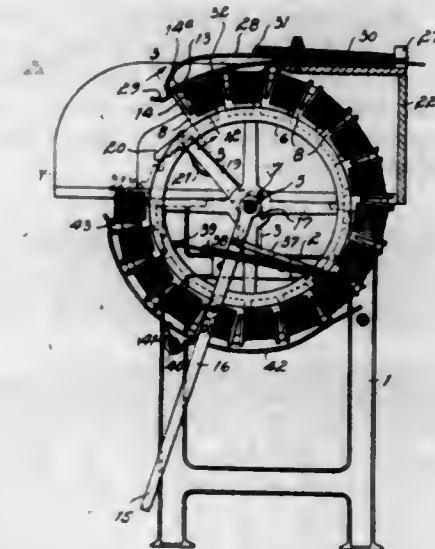
mounted within said housing having a transverse cross-section smaller than that of said housing, and a flue fixed to said lamp casing, the inlet to said chimney and the outlet of said flue closely fitting into one another, forming a single passage when said top is in its closing position.

1,514,718. TELEPHONE SYSTEM. HENRY W. O'NEILL, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 605,793. 11 Claims. (Cl. 170-46.)



6. In a telephone system, a line circuit, a first and a second point joined by said line, a signal at said first point, sources of current, a link circuit associated with said line, and means responsive to the disconnection of said link circuit from said line to selectively apply current from said sources to actuate said signal.

1,514,719. MACHINE FOR USE IN MAKING LAMINATED PRODUCTS. DENNIS PARKS, St. Louis, Mo. Filed Jan. 13, 1922. Serial No. 529,072. 14 Claims. (Cl. 12-17.)

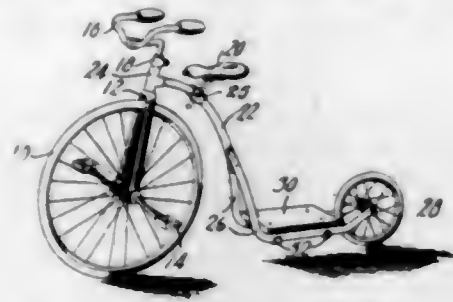


1. In a machine of the class described, in combination with a traveling endless carrier, a series of clamping supports slidably mounted on and movable entirely around the carrier and adapted to have laminated products built up thereon, means for moving the carrier a given distance, and means for arresting the movement of the carrier at a given point.

1,514,720. BICYCLE. HOWARD C. PAULY, Montclair, N. J. Filed Dec. 22, 1922. Serial No. 608,411. 4 Claims. (Cl. 208-113.)

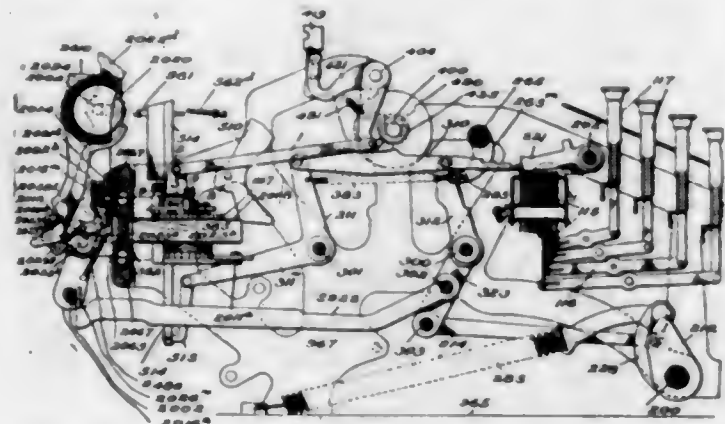
1. A bicycle having a front wheel and a rear wheel normally in alignment with each other, a step between said wheels and having provision for receiving a rider's

foot in the common vertical plane of said wheels, a seat, and pedal-operated mechanism connected to one of said wheels, said seat being mounted on said bicycle



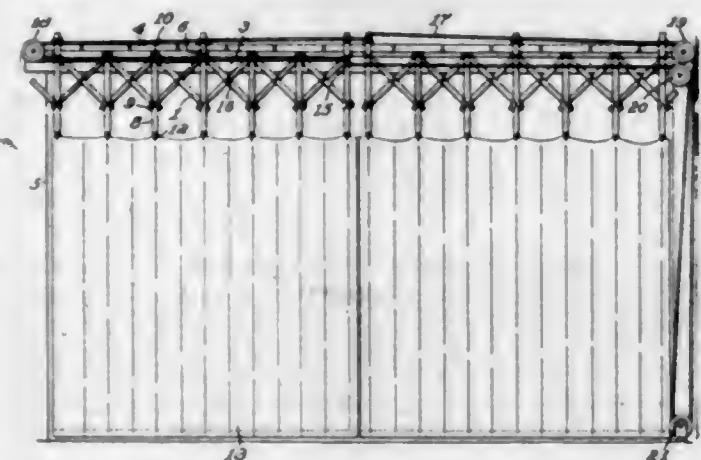
in position for operation of said mechanism by a rider seated thereon, the scope above and at both sides of said seat being free and unobstructed.

1,514,721. ELIMINATING MECHANISM FOR CALCULATING MACHINES. ARTHUR PENTECOST, New York, N. Y., assignor to Wales Adding Machine Company, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1921. Serial No. 489,728. 8 Claims. (Cl. 235-58.)



1. In a calculating machine normally adapted to accumulate and print amounts, the combination with a traveling carriage; a rotatable drive means to draw the carriage; and settable means to change the normal operation of the machine; of means directly controlled by the drive means to automatically adjust the settable means to effective position.

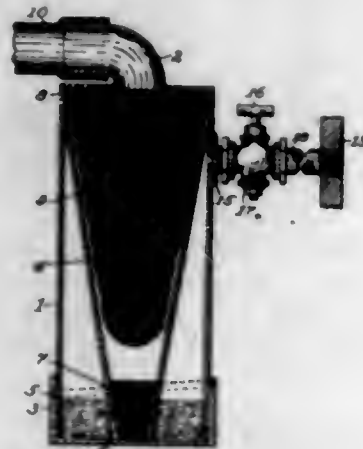
1,514,722. COLLAPSIBLE SUPPORTING DEVICE. SETH E. PERKINS, Waterloo, Iowa. Filed Sept. 21, 1922. Serial No. 589,541. 1 Claim. (Cl. 156-20.)



A device of the character described, comprising a pair of aligned like lazy-tongs anchored at their outer ends and extensible toward each other, each including vertically disposed bars pivoted at their upper ends to the upper pivotal connections of the lazy-tong members, slideways pivoted at the lower pivotal connections of the lazy-tong members, each slideway consisting of

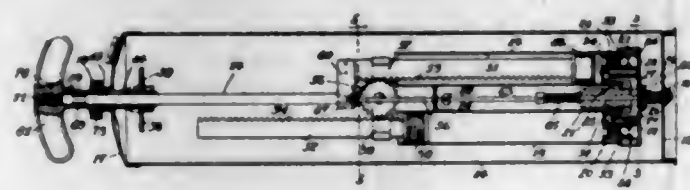
a plate having its opposite ends bent reversely toward each other to provide an interspace receiving the respective vertical bar slidably, and curtain securing means on the lower extremities of said vertical bars.

1,514,723. VACUUM CLEANER. JOHN J. PETERS, Oelwein, Iowa, assignor of one-third to Ben J. McDonnell, Waterloo, Iowa. Filed Oct. 4, 1923. Serial No. 660,528. 2 Claims. (Cl. 183-44.)



1. In combination, a closed dust-collecting receptacle having both inlet- and outlet- ports and composed of a downwardly cupped upper member and an upwardly cupped lower member removably mounted thereon, said lower member having a hollow inverted cone rising from its bottom into the upper member with the upper edge of the cone closed against the interior wall of the latter, said cone having a port in its lower end, a porous filtering body closing said port, a ring secured in the upper end of the upper member around the first mentioned port, and a reticulated dust collector sack mounted on said ring to depend within the cone in spaced relation to the latter.

1,514,724. FIRE EXTINGUISHER. REINHART W. PITTMAN, New York, N. Y. Filed July 21, 1920. Serial No. 397,924. 23 Claims. (Cl. 269-98.)

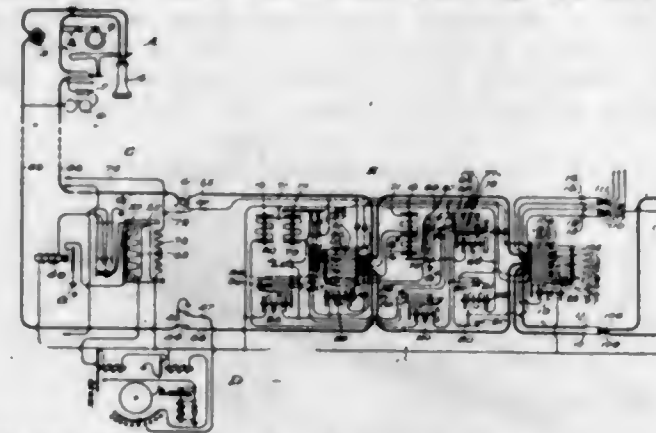


1. The combination with a reservoir, of a plurality of pumps mounted in the reservoir having a suction inlet from opposite ends of the reservoir common to all of the pumps, an outlet from one end of the reservoir common to all of the pumps, and means projecting from the end of the reservoir opposite the outlet to actuate the pumps in alternation to discharge the contents of the reservoir.

1,514,725. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1915. Serial No. 60,271. Renewed Dec. 19, 1921. Serial No. 323,583. 44 Claims. (Cl. 179-18.)

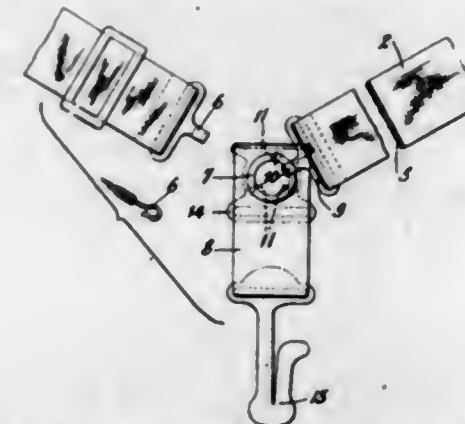
1. In a telephone system, a line, a pair of movable contact makers for said line, a plurality of stationary contacts associated with each maker, means for advancing

ing said makers adjacent to one of their respective associated contacts and for then releasing said makers from said advanced position and for switching said line into



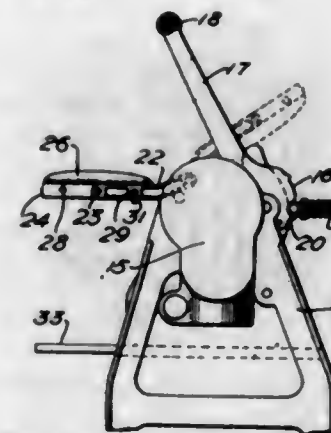
engagement with one of said makers, as a result of said first movement of the switch, and for then operating the said last makers to extend the line therefrom.

1,514,726. GARTER. GEORGE E. PRENTICE, New Britain, Conn., assignor to John Manning Van Heusen, Boston, Mass. Filed Apr. 4, 1923. Serial No. 629,769. 3 Claims. (Cl. 241-6.)



1. In a band garter, the combination of a leg encircling band presenting on its inner surface contact filaments downwardly and inwardly inclined to the leg or drawers leg of the wearer, a base plate and a circular rail, said circular rail being in fixed raised relation to said base plate and being divided into at least two segments by rearwardly projecting members; one end of the leg encircling band being permanently attached in sliding contact with one segment of the circular rail, and the other end of the leg encircling band having means adapted to form a detachable sliding connection with a different segment of said circular rail.

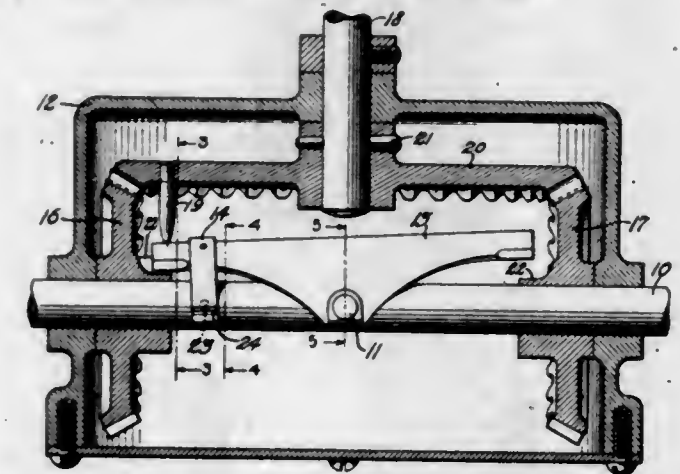
1,514,727. IRONING MACHINE. CHARLES E. REDDIE, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1921. Serial No. 508,515. 4 Claims. (Cl. 68-9.)



1. In an ironing machine, a table provided with one surface adapted to serve as a feed table for the ironing machine and another surface adapted to serve as a hand

ironing board, adjustable brackets for supporting said table and means whereby either surface of said table may be brought into operative position in the same position of the brackets.

1,514,728. REVERSING MECHANISM. CHARLES E. REDDIE, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 23, 1922. Serial No. 570,438. 5 Claims. (Cl. 74-50.)



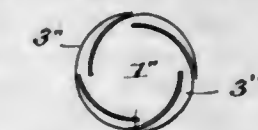
4. In a reversing gear mechanism, the combination of a driving shaft, a driven shaft, a gear carried by said driven shaft, a pair of pinions loosely mounted on said driving shaft and meshing with said gear, a notched hub carried by each of said pinions, means for alternately and intermittently engaging said hubs for causing said pinions to rotate with the shaft for transmitting movement to said driven shaft, and a pair of springs carried by said means for holding said means in its operated position and for preventing the vibration thereof.

1,514,729. LAMP SHADE. DAVID REYAM, Hollyoak, Del. Filed July 25, 1922. Serial No. 577,380. 2 Claims. (Cl. 240-108.)



1. In a lamp shade, a body of translucent sheet material having integrally embossed portions, said embossed portions including parts extending in the direction of their lengths circumferentially of the body to produce an ornamental design motif and to strengthen the body against flexing, whereby said sheet material can be made exceptionally thin and still retain its intended shape without reinforcement by any additional sheet material.

1,514,730. VALVE ADJUSTER. CHAUNCEY E. RICHARDSON, Washington, D. C. Filed Oct. 10, 1923. Serial No. 667,783. 5 Claims. (Cl. 123-90.)

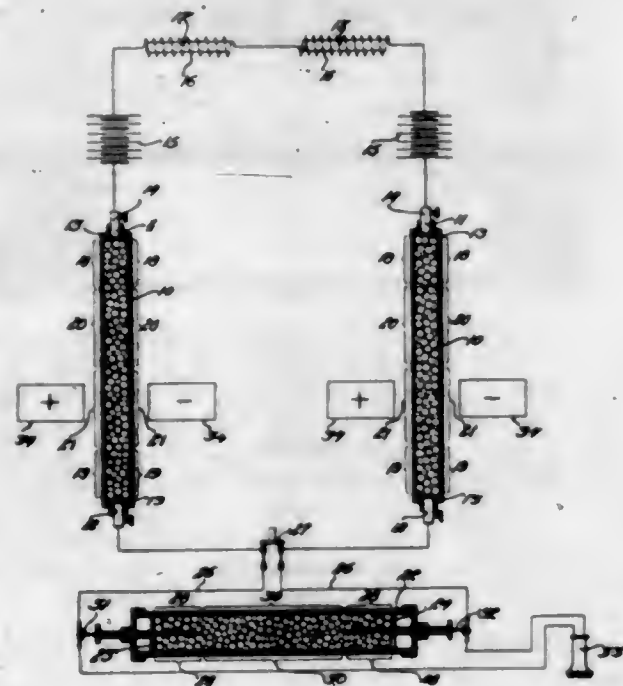


5. A valve adjuster, comprising a disk, and, integral therewith, a spiral depending therefrom, and said spiral being capable of retaining said disk to the tappet on which it is placed.

1,514,731. PARTING AND CORE COMPOUND. RUDOLPH R. ROSENBAUM, Chicago, Ill. Filed Dec. 28, 1923. Serial No. 683,137. 19 Claims. (Cl. 22-188.)

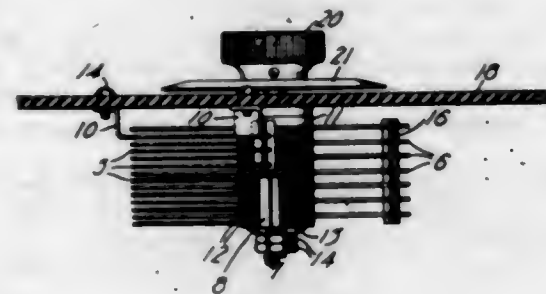
1. A compound of the class described, consisting of a comminuted decolorizing earth, and a moisture proofing filler and coating substance incorporated therewith.

1,514,732. ELECTROMAGNETIC SIGNALING APPARATUS. PATRICK J. RUDDY, Centalla, Pa. Filed June 21, 1921. Serial No. 479,299. 9 Claims. (Cl. 250-20.)



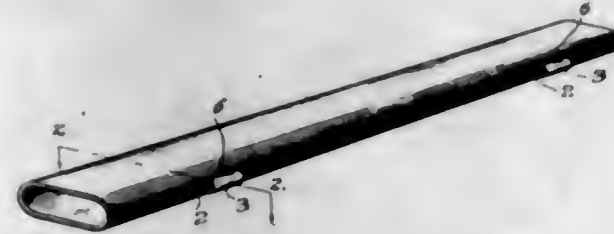
1. Radio apparatus including a tuning number consisting of a tube of non-conducting material; pole members in the tube; a group of lead balls within the tube adjacent each pole member, and a group of magnetized steel balls between the group of lead balls.

1,514,733. CONDENSER. ADOLPH H. SASS, Mount Vernon, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1922. Serial No. 560,000. 7 Claims. (Cl. 250-41.)



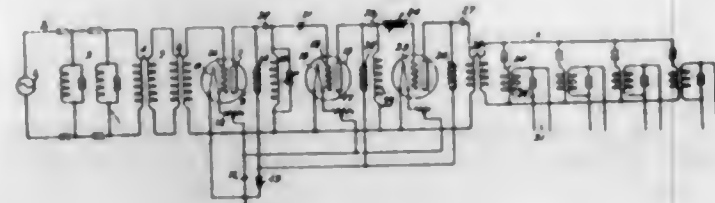
1. In a condenser, a rotatable insulated shaft and a plurality of parallel plates mounted thereon, alternate of said plates being rotatable with said shaft and insulated from the remainder of said plates.

1,514,734. TUBULAR CHEEK PIECE FOR LOOSE-LEAF LEDGERS. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Willson. Filed Feb. 26, 1924. Serial No. 695,219. 3 Claims. (Cl. 129-12.)



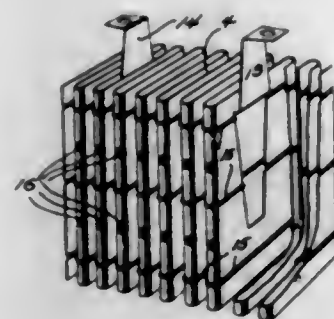
1. As an article of manufacture for loose leaf ledgers, a sheet metal tube having an opening along one edge, and hinge lugs slidably positioned in said opening, said lugs having eye portions and retaining portions that frictionally engage the outside and inside surfaces of said tube.

1,514,735. METHOD OF AND MEANS FOR PRODUCING HARMONICS OF ALTERNATING CURRENTS. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 16, 1918. Serial No. 245,139. 15 Claims. (Cl. 172-281.)



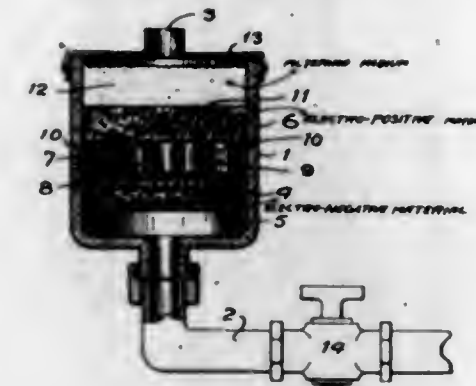
1. Means for producing harmonics comprising an electron discharge device having an input circuit including a high resistance element, and means for overloading said device.

1,514,736. ASYMMETRIC-CELL ANODE. HUMPHREYS O. SIEGMUND, Springfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1921. Serial No. 468,583. 5 Claims. (Cl. 175-318.)



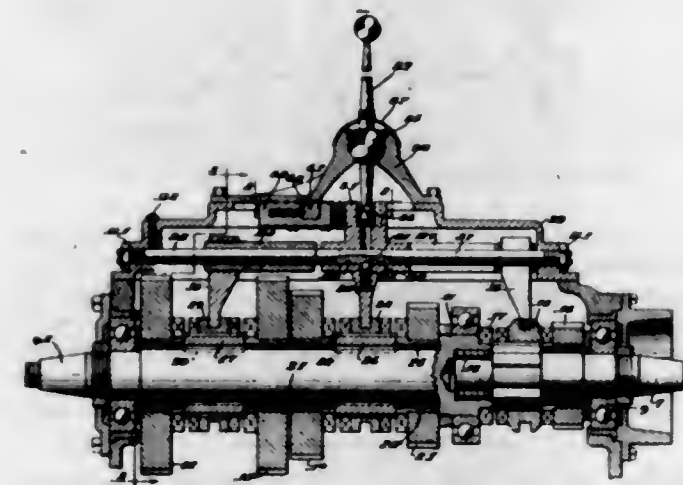
1. An electrode for electrolytic condensers consisting of a sheet of film-forming material bent into the form of a recurring letter S, and having integral supporting ears extending upwardly therefrom.

1,514,737. METHOD OF MAKING COLLOIDAL SOLUTIONS. CAROLYN S. SMITH, Brooklyn, N. Y. Filed June 6, 1918. Serial No. 238,486. 8 Claims. (Cl. 204-24.)



1. The method which comprises bringing a liquid into contact with layers of noncorrodible negative material and corrodible metallic positive material to electrolytically produce colloidal substance, and removing said liquid with a part at least of said colloidal substance remaining in suspension therein.

1,514,738. CHANGE-SPEED TRANSMISSION. GEORGE J. SNYDER, Rockford, Ill. Filed Mar. 25, 1921. Serial No. 455,628. 2 Claims. (Cl. 74-39.)



1. In a change-speed transmission, the combination of a plurality of shiftable clutch elements axially spaced, a fork for shifting each clutch element, a supporting rod for each fork and upon which it is slidable, and a control lever for shifting the forks, one of said forks being supported upon said rod at a point remote from the control lever through the agency of a sleeve and having a connection with said sleeve permitting axial adjustment of the fork upon the sleeve.

1,514,739. LIFTING JACK. SAM SORENSSEN, Houston, Tex. Filed Sept. 8, 1922. Serial No. 586,977. 6 Claims. (Cl. 254-97.)

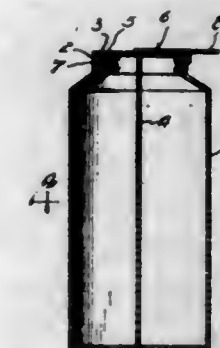
1. In a lifting jack, a supporting housing, a rack slidable vertically therein, teeth on each side of said rack

shaped to provide approximately semicylindrical recesses between adjacent teeth, a pinion formed with a crescent-



shaped portion adapted to fit on its outer side within each said recesses and when rotated to engage said teeth on its opposite side, and means to rotate said pinion.

1,514,740. CONDIMENT HOLDER. WILLIS STEWART, Carlinville, Ill. Filed Aug. 25, 1922. Serial No. 584,354. 2 Claims. (Cl. 65-45.)

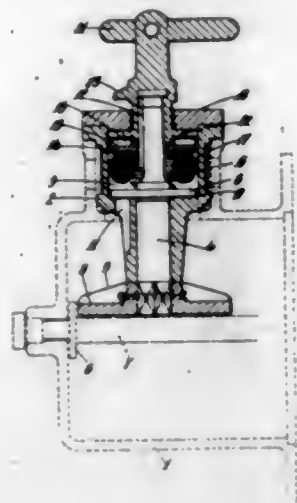


1. A holder of the class described comprising a receptacle, a partition therein dividing the same into two chambers, a perforated cover detachably connected with the top of the receptacle, a cap-shaped lid for the cover having a semi-circular opening in its top and its flange split to afford a pair of resilient arms which embrace the flange of the cover, the solid part of the lid covering one half the perforations in the cover while the other half are exposed and a handle on the lid for rotating the same.

1,514,741. SUBMARINE MINE, DEPTH CHARGE, AND OTHER EXPLOSIVE BODIES FOR SUBMARINE USE. ROBERT ALEXANDER STURGEON, Portsmouth, England, assignor to Vickers Limited, Westminster, England. Filed Aug. 31, 1921. Serial No. 497,292. 14 Claims. (Cl. 102-2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

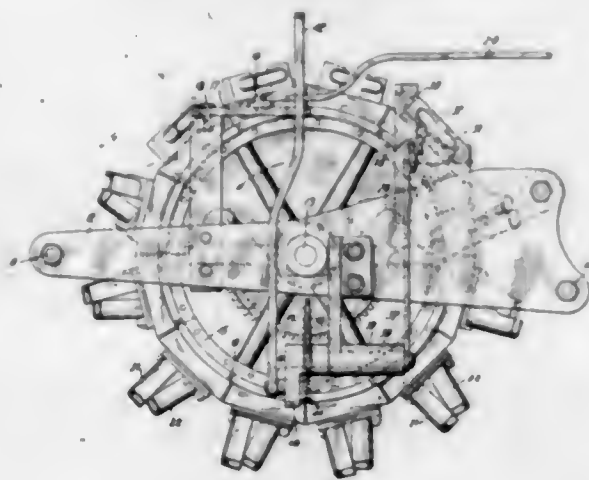
7. A depth charge or like device comprising a chamber formed with a water inlet opening, pressure actuated

firing mechanism located within said chamber, a rotatable water admission valve which fulfills the dual purpose of regulating the depths or times at which the charge will be fired automatically and a safety valve to prevent accidental firing.



pose of regulating the depths or times at which the charge will be fired automatically and a safety valve to prevent accidental firing.

1,514,742. BAG-TURNING MACHINE. JAY TAMASSY, New York, N. Y., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,828. 6 Claims. (Cl. 223-20.)

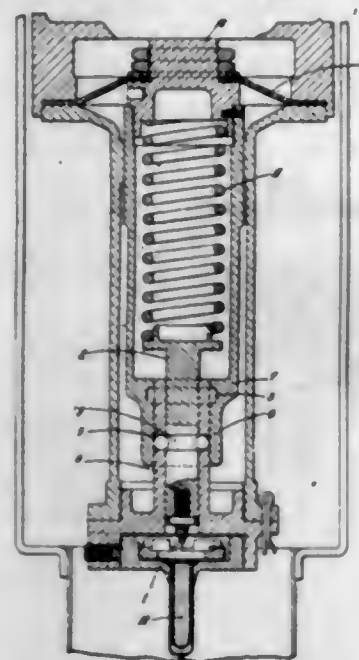


1. A bag turning machine, comprising a bag supporting mechanism including two spaced arms over which a bag may be slipped, and a tubular turning and filling member reciprocally mounted in relation to and between said arms engaging a positioned bag and reversing the same while advancing toward and between said arms.

1,514,743. SUBMARINE MINE AND OTHER EXPLOSIVE CHARGE FOR SUBMARINE USE. HERBERT JOHN TAYLOR, Portsmouth, England, assignor to Vickers Limited, Westminster, England. Filed July 19, 1921. Serial No. 485,959. 8 Claims. (Cl. 102-3.)

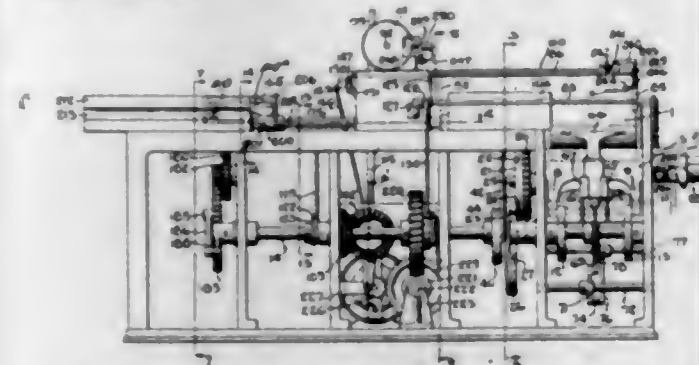
3. In submarine mines and other explosive charges for submarine use a releasing or locking device comprising a spindle, a fixed sleeve surrounding said spindle, a slidable sleeve surrounding said first mentioned sleeve, ball locking means disposed between said fixed sleeve and said spindle, said ball locking means being retained in position by the slidable sleeve, a hydrostatic diaphragm con-

nected to said sleeve and a single spring which serves the combined function of holding said device in the



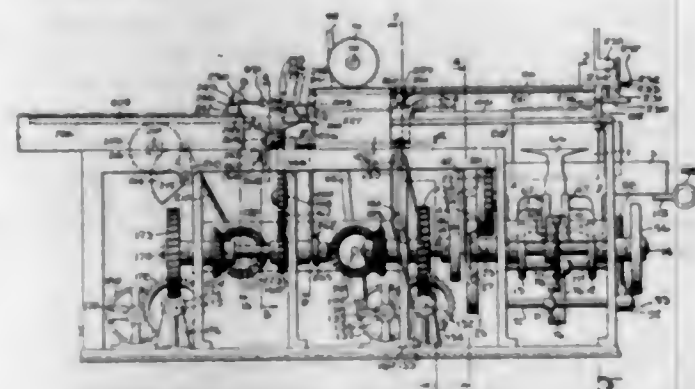
locked position, and also supplying the minimum resistance which has to be overcome before the parts can move into the unlocked position.

1,514,744. STEREOTYPE-PLATE-MAKING MACHINE. JOSEPH J. WALSER, Ann Arbor, Mich., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Sept. 3, 1920. Serial No. 407,984. 55 Claims. (Cl. 22-3.)



1. A machine for operating on stereotype printing plates including in combination a casting core, a cooperating concave casting member, means for supplying hot metal to the casting core and casting member, means called into action by the operation of the hot metal supplying means for calling the casting mechanism into action, and means for lifting the cast plate from the core.

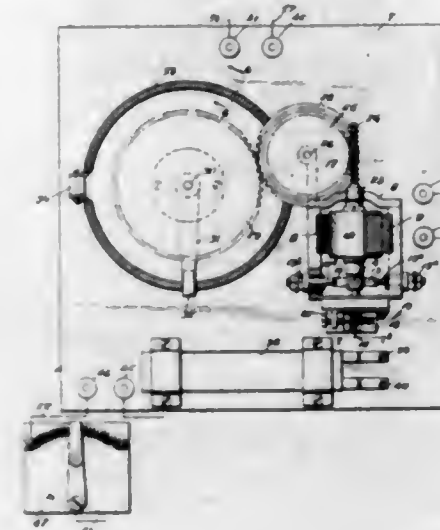
1,514,745. STEREOTYPE-PLATE-MAKING MACHINE. JOSEPH J. WALSER, Ann Arbor, Mich., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Sept. 3, 1920. Serial No. 407,985. 111 Claims. (Cl. 22-3.)



1. A machine for making stereotype plates including in combination plate casting mechanism and controlling means actuated directly by the casting mechanism and

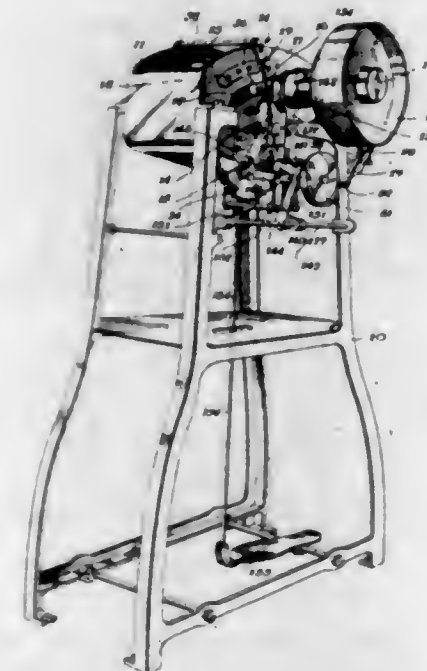
preliminarily settable for a desired number of plates to cause the casting mechanism to cast said desired number of plates.

1,514,746. MUSCLE-STIMULATING ELECTRIC DEVICE. REINHOLD H. WAPPLER, Yonkers, N. Y. Filed Nov. 29, 1922. Serial No. 603,906. 5 Claims. (Cl. 174-177.)



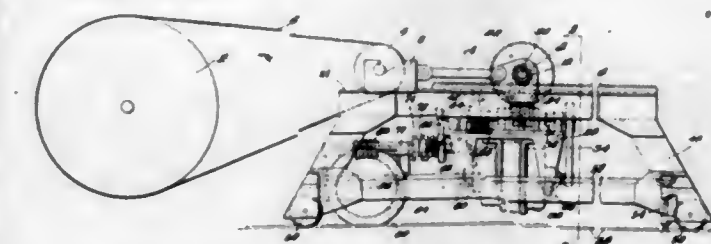
1. A device of the character described, comprising a core of magnetic material, a winding mounted upon said core of magnetic material and provided with bare portions, the core of magnetic material with said winding thereupon having a general arcuate form, a revoluble contact arm disposed adjacent said winding and slidably engaging the bare portions thereof, means for actuating said revoluble arm, a pair of electrodes communicating with said winding for the purpose of distributing faradic currents therefrom, and means for subjecting said winding to the action of pulsating electric currents.

1,514,747. CIGAR-WRAPPING MACHINE. MILTON WERTHEIMER, Baltimore, Md. Filed May 27, 1922. Serial No. 564,126. 25 Claims. (Cl. 93-5.)



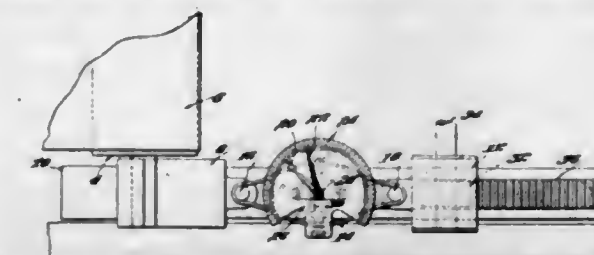
1. In a cigar wrapping machine, means to roll a wrapper around a cigar, means to twist the ends of the wrapper into tails, and means to roll the tails into coils.

1,514,748. FELT-DRYING MACHINE. EZEKIEL J. WILSON, East Greenbush, N. Y., assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a Corporation of New York. Filed July 14, 1921. Serial No. 484,741. 8 Claims. (Cl. 26-68.)



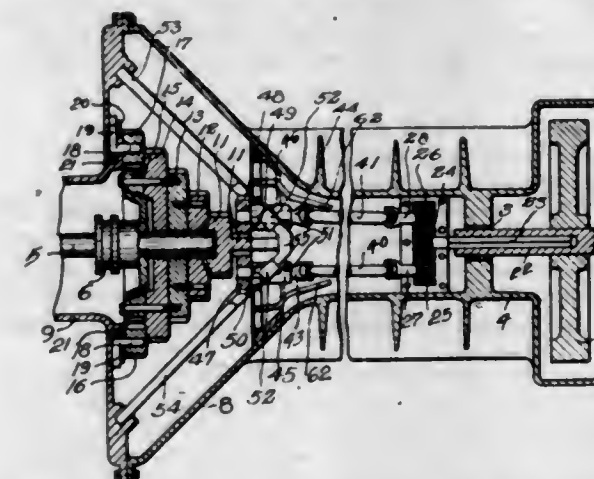
1. A felt drying machine having, in combination, a drying cylinder, a carriage movable toward and away from the cylinder, means for propelling the carriage, means for locking the carriage in position, a take-up roll mounted for fore and aft movement upon the carriage, a motor on the carriage, connections for transmitting motion from the motor to the carriage propelling means, connections for transmitting motion from the motor to the roll to move it on the carriage, and means for connecting the motor to either of said connections to either propel the carriage or to move the roll on the carriage.

1,514,749. METHOD AND MACHINE FOR TREATING FELTS. EZEKIEL J. WILSON, East Greenbush, N. Y., assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a Corporation of New York. Filed Mar. 20, 1922. Serial No. 545,262. 3 Claims. (Cl. 26-68.)



1. In the making of felts for paper making machines by the method which includes fabricating the felt in the form of an endless web having a length materially greater than the finished felt, fulling the felt to a length materially less than the finished felt and drying and stretching the fulling felt to the finished length; the method of testing the felt by measuring the tension applied thereto during the stretching and drying.

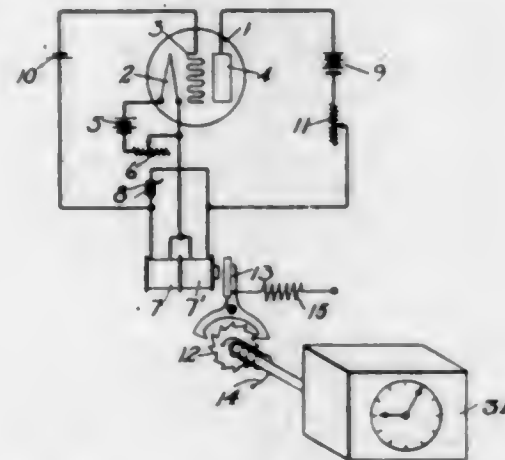
1,514,750. TRANSMISSION MECHANISM. RAYMOND A. WINCHESTER, Lind, Wash. Filed Feb. 26, 1924. Serial No. 695,176. 6 Claims. (Cl. 74-58.)



1. The combination with stepped driven gears and a driving gear and its shaft, of a support diverging from the axis of the driven gears and a slidable bearing-head thereon and movable relatively thereto, a flexible shaft journaled in said bearing head and operatively connected

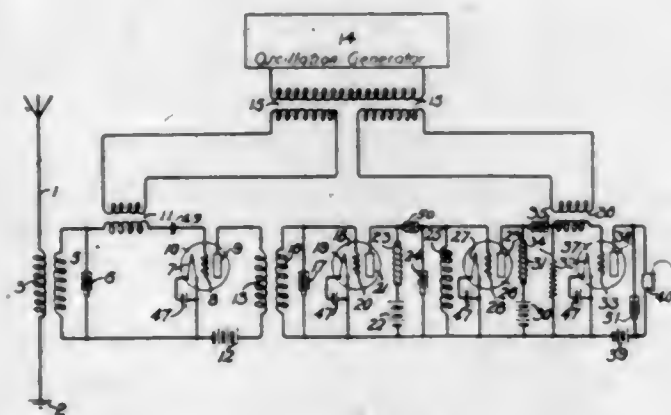
to the driving-gear shaft, a change speed pinion on the flexible shaft, means for shifting the change-speed pinion and means connected therewith for engaging and disengaging the pinion and a selected driven gear.

1,514,751. VACUUM-TUBE OSCILLATOR CHROMETER. PETER IRVING WOLD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,644. 19 Claims. (Cl. 58-23.)



1. The combination of a mechanically driven means and a driving means therefor, said last mentioned means comprising an oscillation generator of that type in which the frequency is determined by the natural frequency of a freely oscillating circuit.

1,514,752. METHOD OF AND MEANS FOR RECEIVING RADIOSIGNALS. PETER I. WOLD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,147. 27 Claims. (Cl. 250-20.)

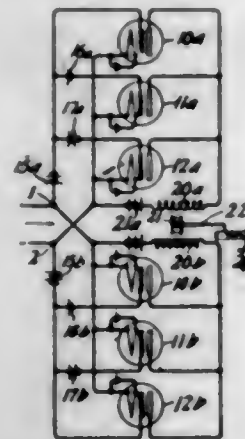


18. A signal-receiving system comprising a plurality of combining means connected in series, a single source producing oscillations of one frequency, and separate means to supply oscillations from said source to said plurality of combining means at a plurality of points.

1,514,753. SIGNAL-RECEIVING SYSTEM. PETER I. WOLD, Schenectady, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1920. Serial No. 425,094. 9 Claims. (Cl. 178-88.)

1. A network for transmitting electric impulse including a series of valves having a common input circuit and a common output circuit, said valves having current

admission points occurring at a greater input voltage for each succeeding valve of the series, and having means causing each valve to have a current limiting point occurring at a substantially lower input voltage than that at which the admission point of the next succeeding valve in the series occurs.

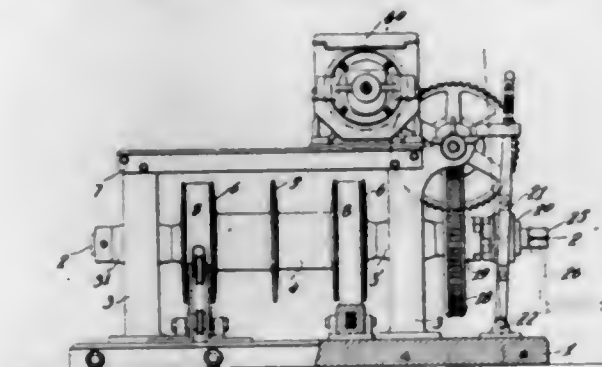


1,514,754. CONTAINER FOR RAZOR BLADES. JAMES H. YOUNG, Pittsburgh, Pa. Filed Feb. 9, 1923. Serial No. 617,008. 7 Claims. (Cl. 206-16.)



1. A container for perforated razor blades comprising a body of a resilient and highly malleable metal or tray, posts formed of the metal of the bottom of said body and arranged to receive a plurality of perforated razor blades and position the same in the body, curved flanges extending along the sides of said body, and a cover arranged to be held in place by the resiliency of the sides and the flanges of said body.

1,514,755. BOAT-OPERATING WINDLASS. SOLOMON EDWARD AARON, Boston, Mass. Filed Sept. 16, 1921. Serial No. 501,062. 2 Claims. (Cl. 254-185.)

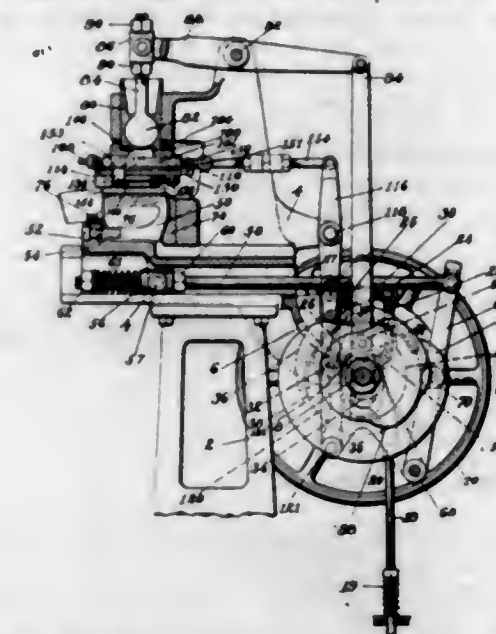


1. An improved winch for operating life boats comprising in combination a base, a horizontal shaft mounted on the base, a falls drum fixed on the shaft, a brake drum fixed on the shaft, a gear free on the shaft, clutch means operable to secure the gear to the shaft, a transverse shaft having a worm adapted to engage the gear and means for selectively operating said transverse shaft manually or by power.

1,514,756. UPPER-FORMING MACHINE. PAUL BEIER, Karlsruhe, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 3, 1920. Serial No. 371,132. 49 Claims. (Cl. 12-97.)

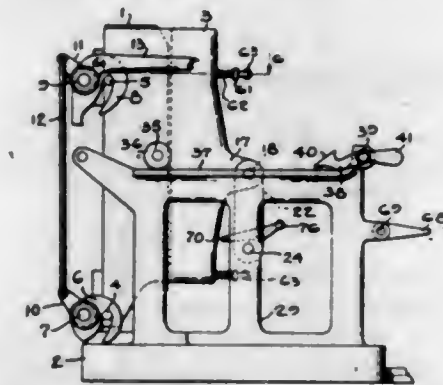
1. In a machine of the class described, the combination of inner and outer mold members for molding the heel end of a shoe upper arranged to leave a marginal por-

tion of said upper projecting outside of said molds, pivoted-flange forming members, and means for operating



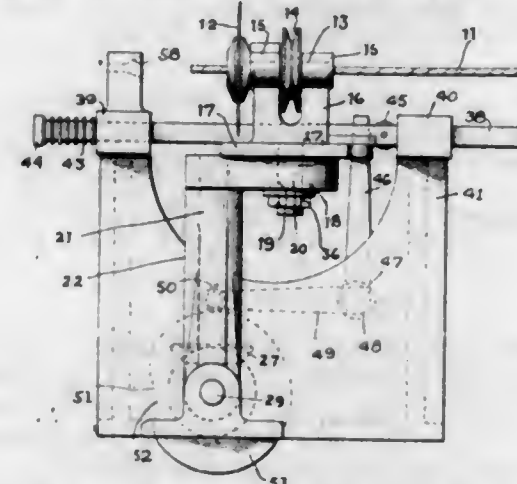
said flange forming members first to turn outwardly the projecting margin at the sides of the molds and then to turn outwardly the margin at the rear of the molds.

1,514,757. MACHINE FOR CASTING STEREOTYPE PLATES. MARTIN W. BRUSHABER, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Mar. 21, 1921. Serial No. 454,001. 69 Claims. (Cl. 22-2.)



1. A machine for casting stereotype plates including in combination plate casting means including a drag movable to and fro between plate casting position and plate discharging position and means for lifting the plate free from the matrix and from the wall of the drag and bringing it to rest within the drag ready for removal.

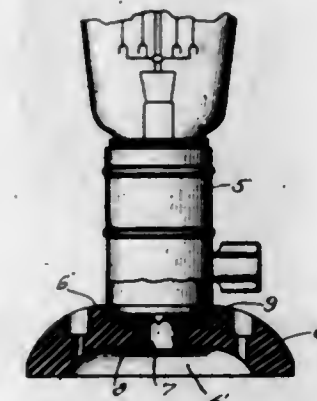
1,514,758. CUTTING MACHINE. EUGENE CONTI, Cliffside Park, N. J., assignor to Alexander Herz, New Rochelle, N. Y. Filed June 3, 1922. Serial No. 565,646. 21 Claims. (Cl. 164-60.)



1. In a machine for cutting moving material, a pivoted arm having a point thereof moving along the periphery of a circle, a rotary cutting disc pivotally car-

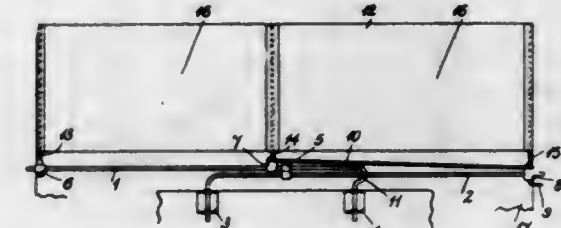
ried by said arm at said point and movable by said arm along said periphery to thereby pass periodically through cutting position at a speed of movement substantially that of the moving material, and parallel link mechanism to maintain the cutting plane of said disc perpendicular to the material to be cut at all times.

1,514,759. ELECTRIC FIXTURE. JOHN CUTHBERT, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed May 21, 1920. Serial No. 383,084. 1 Claim. (Cl. 240-52.)



An electric fixture comprising a base and a socket, a rounded end on the socket and a rounded depression in the base, the two rounded portions having similar contours, an internally threaded nipple extending interiorly from the bottom of the depression and an externally threaded projection on the socket, said nipple and projection cooperating to draw the socket firmly into contact with the base depression.

1,514,760. WINDSCREEN FOR VEHICLES. HAROLD DRABBLE, London, and DAVID WILLIAM EDGAR KYLE, Chiswick, London, England. Filed Feb. 4, 1924. Serial No. 690,612. 13 Claims. (Cl. 296-85.)

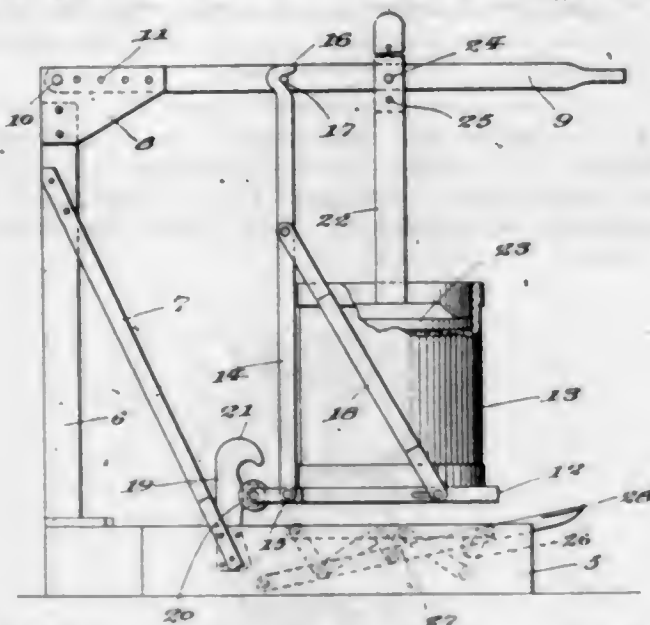


1. A wind screen for the rear seats of motor and like vehicles, comprising a pair of crossed horizontal arms vertically pivoted to the vehicle body, a screen adapted to be supported by said arms, a rod having one end pivoted to one of said arms and the other slidably connected to the other of said arms, a stop on said last mentioned arm positioned to limit the sliding action of said rod so that it is held in tension when said arms are in the position of use and means for securing said arms in the position of use.

1,514,761. KRAUT PRESS. IGNATZ GLANSCHNIG, Gary, Ind., assignor of one-half to Frederick E. Hummel, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 451,982. 1 Claim. (Cl. 100-55.)

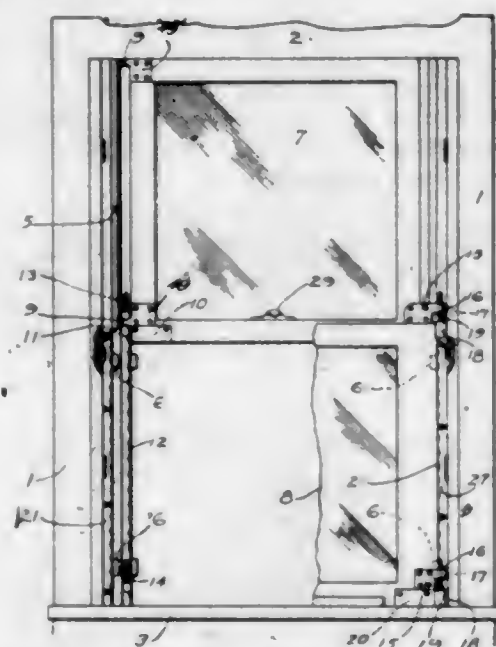
A presser device comprising a lever pivoted to swing vertically, a receptacle supporting member, suspension links by which said member is hung from the lever, abutments to the rear of the supporting member for preventing movement thereof in that direction, said member having rollers which engage the abutments, and the

abutments having hooks at their upper ends to limit the upward travel of the rollers, and a plunger having a stem which is coupled to the lever at a point more remote



from the fulcrum thereof than the connection between the lever and the aforesaid links, said plunger stem depending from the lever.

1,514,762. WINDOW. SAMUEL GOODMAN, Chicago, Ill. Filed July 5, 1923. Serial No. 649,659. 5 Claims. (Cl. 20-42.)



1. A window comprising a frame, a sash having one vertical side hinged to the frame and the other vertical side of the sash being formed with a longitudinal groove and lateral branches communicating with the groove, guide blocks carried by the frame and received in said groove and adapted to be received in said lateral branches during the swinging of the sash to close or open position.

1,514,763. BRUSH. MILTON O. HAMER, WILLIAM F. LANGE, and CHARLES C. GRAHAM, Crete, Nebr. Filed Feb. 4, 1922. Serial No. 534,163. 3 Claims. (Cl. 15-49.)



1. A machine of the class described comprising a frame, a brush mounted for rotation thereon, means carried by the frame whereby the brush may be rotated,

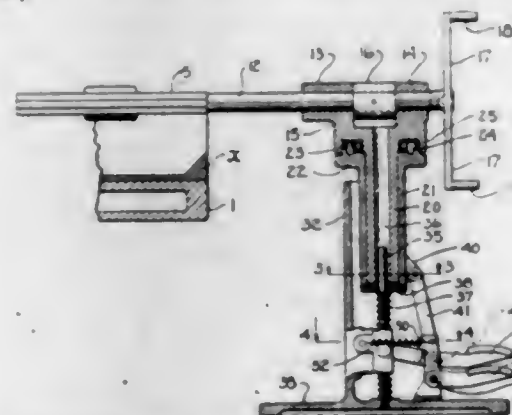
a collecting pan, lugs located at one end of the pan and removably and freely received within openings provided in the frame and means for removably securing the pan to the frame at a point spaced from the lugs and in a manner to permit of limited pivotal movement with respect to the frame.

1,514,764. WOODWORKING MACHINE. AUGUST HEINZLING, Detroit, Mich. Filed Sept. 26, 1923. Serial No. 664,916. 2 Claims. (Cl. 198-85.)



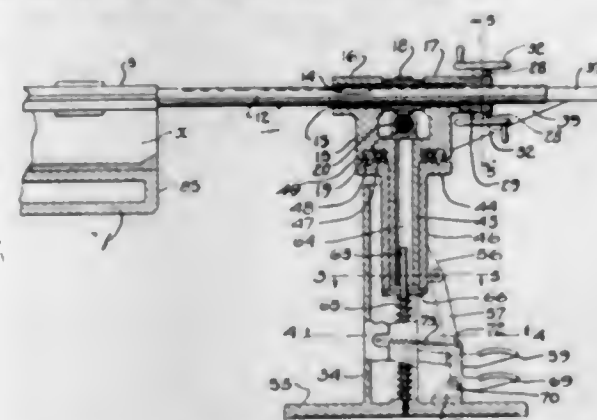
2. A wood working machine comprising a conveying mechanism designed to receive the work piece when the same drops off the table and to convey the work piece back to the workman, and trolleys arranged behind the table of the machine and adapted to be engaged by the work piece and designed to accelerate the conveying of said work piece back to the workman.

1,514,765. STEREOTYPE-PLATE MECHANISM. ALBERT A. HENZI, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Feb. 17, 1921. Serial No. 445,863. 38 Claims. (Cl. 22-3.)



1. A machine for delivering stereotype plates from a casting machine, including in combination, means for removing a plate from the casting machine and means for moving the plate in an angular path to a delivery position.

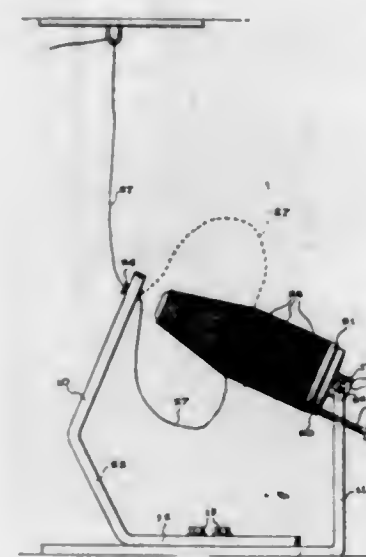
1,514,766. STEREOTYPE-PLATE MECHANISM. ALBERT A. HENZI, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed Feb. 17, 1921. Serial No. 445,862. Divided and this application filed Oct. 18, 1921. Serial No. 508,470. 39 Claims. (Cl. 22-3.)



1. In combination, a plurality of stereotype plate casting mechanisms, a plate finishing mechanism, and a single plate delivering mechanism for taking plates

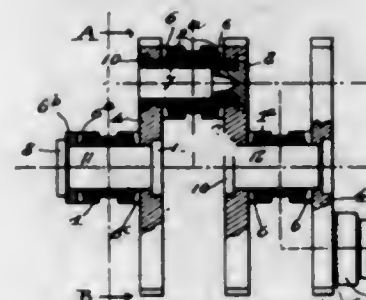
alternatively from any of the casting mechanisms and adapted to slidably support the plate and deliver it to the plate finishing mechanism.

1,514,767. THREAD STAND. LESTER J. HILL, Lexington, N. C. Filed Nov. 2, 1923. Serial No. 672,413. 4 Claims. (Cl. 242-130.)



1. A thread stand comprising a base, a pair of spaced upright members mounted on said base for adjustment towards and away from each other, a rover mounted in one upright member, a bobbin holder pivotally mounted on the other upright member for vertical swinging movement, and a set screw threaded through the last mentioned upright member for engaging said bobbin holder and holding the bobbin holder at an upward incline towards its free end and in axial alignment with said rover.

1,514,768. CRANK SHAFT. ALBERT HIRTH, Cannstatt-Stuttgart, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of the Kingdom of Sweden. Filed Dec. 22, 1920. Serial No. 432,445. 4 Claims. (Cl. 74-38.)

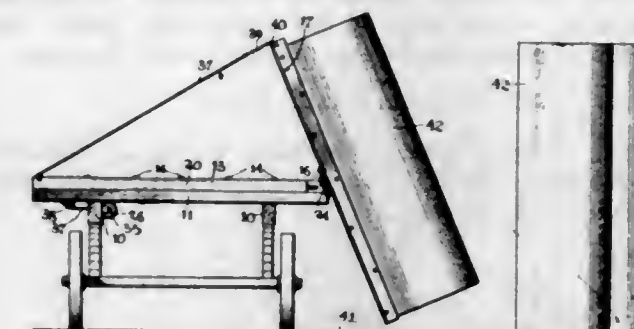


1. A built up crank shaft comprising in combination, two crank webs and an intermediate crank pin, the inner faces of said webs being provided with sharp edged teeth projecting inwardly therefrom, and the end faces of said pin being provided with similarly formed teeth engaging the teeth on the webs.

1,514,769. MERCHANDISE-HANDLING APPARATUS. GEORGE A. JOHNSTON and FRED A. BOALES, Portland, Ore. Filed July 6, 1923. Serial No. 649,833. 2 Claims. (Cl. 214-65.)

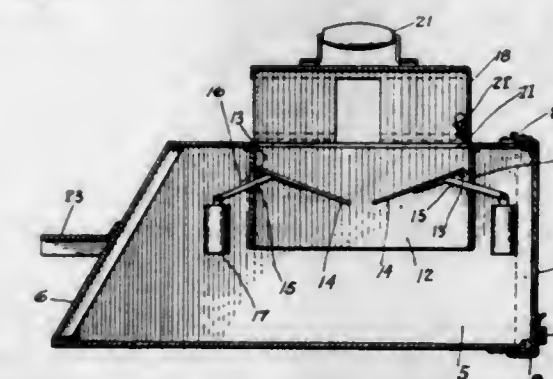
1. In an apparatus of the class described, guide rails in spaced parallel relation, said rails being formed with upwardly opening longitudinal channels, stop rods extending transversely of the channels of said guide rails, a carriage movable on said rails, and open hooks

attached to said carriage intermediate the ends thereof and depending into the channels of the rails and guiding the carriage relative thereto and adapted to engage the



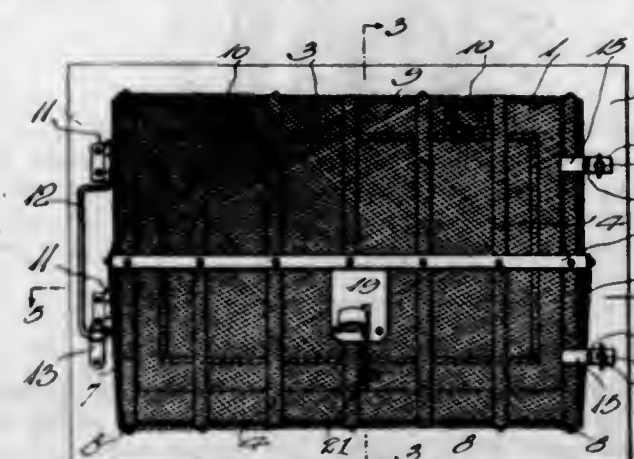
stop rods of the guide rails when the carriage is moved into a predetermined position to enable the carriage to be tilted toward a vertical position.

1,514,770. RAT TRAP. JACOB KILCHER, Wayland, Iowa. Filed Apr. 4, 1922. Serial No. 549,483. 1 Claim. (Cl. 43-69.)



A trap comprising a trapping compartment having its top formed with a rectangular opening, a rectangular chute depending in the compartment and registering with the opening, said chute having a vertical slot in the front and rear wall thereof, a pair of oppositely disposed platform members arranged within the chute, means for hinging one end of each of said members to the side walls of the chute in close proximity to and above one of the vertical slots, a pair of bars each formed of an inner and outer portion disposed at an inclination with respect to each other, the inner portion of each bar being of less length than the outer portion and secured to the lower face of one of said members, the outer portion extending through one of the vertical slots and projecting from the chute, and a weight pivotally suspended from the outer end of each outer portion.

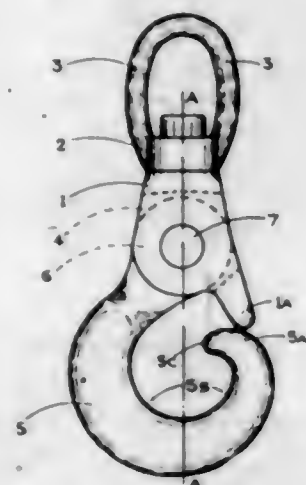
1,514,771. CELLAR-WINDOW VENTILATOR AND GUARD. JACOB KILCHER, Mount Pleasant, Iowa. Filed Sept. 27, 1923. Serial No. 665,203. 3 Claims. (Cl. 20-71.)



1. A window ventilator and guard comprising a cage adapted for application to the frame of a hinged window to guard the opening when the window is opened, said

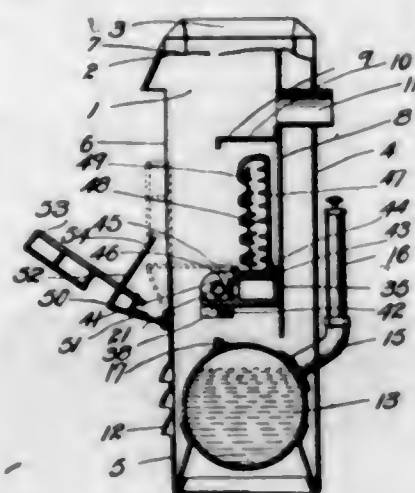
cage being open at one side to receive the window when the latter is opened, means for hinging said cage at one vertical edge to the window frame for movement away from the frame, means for detachably connecting the opposite vertical edge of the cage to the frame, and means for hingedly connecting the window to the cage.

1,514,772. CARGO HOOK. ROBERT KINNEAR, Dunedin, New Zealand. Filed Oct. 25, 1922. Serial No. 596,809. 1 Claim. (Cl. 24—232.)



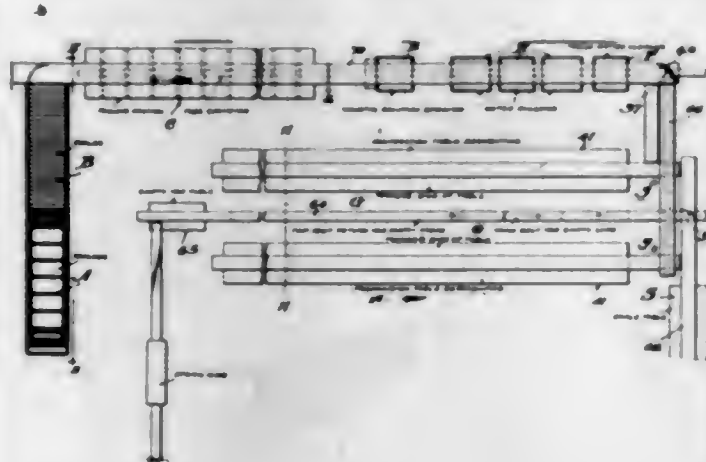
In a cargo hook, the combination of a head having a swivel member at one end thereof and a bearing opening extending transversely through said head in alignment with said swivel member, a hook pivoted in said bearing opening, a tapered finger projecting downwardly and forwardly from the head at one side of the pivot of said hook and having a rounded nose, the hook having a curved inwardly extending nose underlying the terminal of said finger.

1,514,773. OIL STOVE. WILLIAM K. KISS, Wellington, Kans. Filed Dec. 19, 1921. Serial No. 523,303. 3 Claims. (Cl. 126—93.)



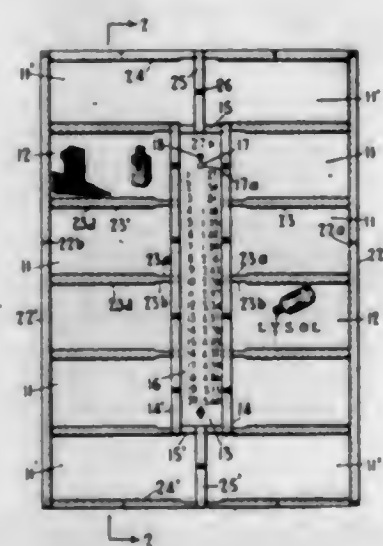
1. An oil stove comprising a casing having an opening across the front thereof, a burner across the casing at the lower edge of the opening and having fuel openings in its upper face, and a guard hinged to the front of the casing at the lower edge of the opening and having an inwardly projecting fender-supporting shelf forming a part thereof.

1,514,774. PROCESS AND APPARATUS FOR CANNING CITRUS FRUIT. EUGENE H. LEFEVRE, Avon Park, Fla., assignor to Avon Canning Company, Avon Park, Fla., a Corporation of Florida. Filed Aug. 20, 1924. Serial No. 733,244. 23 Claims. (Cl. 146—47.)



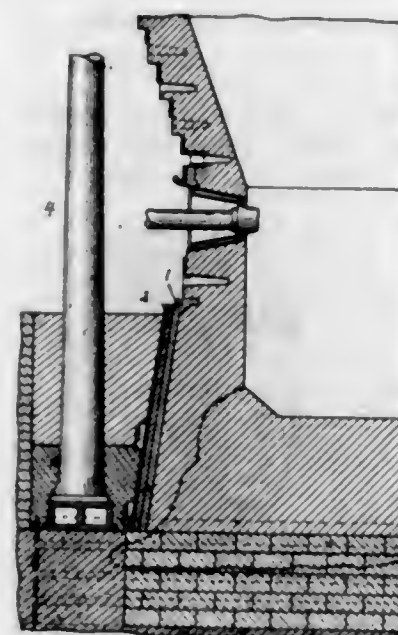
1. A process for preparing citrus fruit for canning which consists first in scalding the fruit and subsequently stripping the whole peel from the ball of fruit and then subjecting the latter successively to a solution of alkali and wash water.

1,514,775. ADVERTISING DEVICE. NAT LITWIN, New York, N. Y. Filed June 3, 1922. Serial No. 565,667. 3 Claims. (Cl. 40—64.)



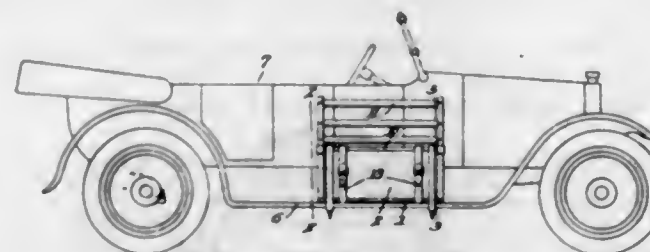
3. An advertising device of the character described comprising a supporting structure having a central panel on the front face thereof, and a plurality of pairs of panels symmetrically disposed relative to said central panel, said panels being defined by strap members including a pair of strap members running longitudinally on said face and secured thereto by screws, and advertising cards removably held in said pairs of panels and clamped in position by said screw held strap members.

1,514,776. BLAST FURNACE. PAUL OTTO MENKE, Sharon, Pa. Filed Jan. 19, 1924. Serial No. 687,334. 2 Claims. (Cl. 266—32.)



1. A blast furnace having cooling plates enclosing the hearth inclined inwardly from their upper ends.

1,514,777. AUTOMOBILE ATTACHMENT. MELVEL H. MERRIAM, Butte, Mont. Filed May 19, 1922. Serial No. 562,214. 5 Claims. (Cl. 190—12.)

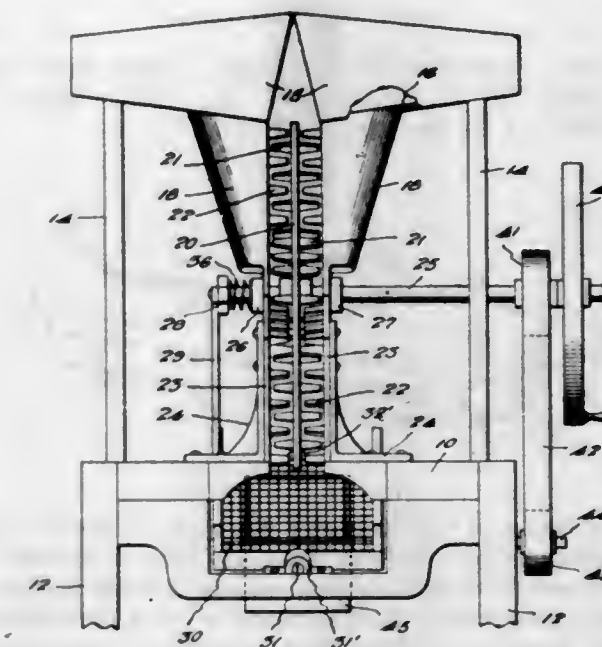


1. A camper's or picnicer's outfit designed for transportation on the running board of an automobile including a table, comprising a top, side leaves hinged thereto, and swingable and fixed legs on the ends of the top, the swingable leg sections designed to be swung under the leaves for supporting the same when the table is set up, and when swung against the fixed leg sections and the leaves are swung to folded position, designed to provide the ends of a receptacle, the sides of which being provided by the leaves.

1,514,778. BEAN-SHELLING DEVICE. MICHAEL MOLNAR, Cleveland, Ohio. Filed Oct. 5, 1920. Serial No. 414,841. 1 Claim. (Cl. 130—30.)

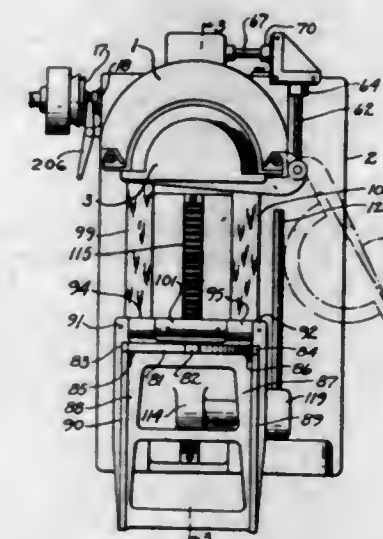
In a device of the class described, a rotatable element having teeth formed on the surfaces thereof, a stationary element spaced from the rotatable element and being disposed in a plane parallel therewith, said stationary element having teeth cooperating with those first named, resilient means for controlling the cooperation of the toothed elements, a hopper for feeding material toward the rotatable element, a second stationary element having teeth thereon, and located on the side of the rotary element opposite to the stationary element

first named, and a second hopper for feeding material between the rotary element and the second stationary element, the resilient means automatically adjusting



the rotary element to a position determined by the relative size of graded material placed in the respective hoppers.

1,514,779. MACHINE FOR MAKING STEREOTYPE PLATES. JOHN D. MORGAN, Summit, N. J., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Apr. 12, 1921. Serial No. 460,833. 63 Claims. (Cl. 22—3.)



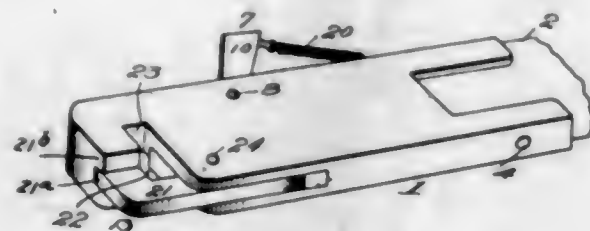
1. A machine for making stereotype plates including in combination a plate casting mechanism comprising a core and a drag, a plate trimming mechanism and automatically operating means for taking a cast plate from the drag and inserting it in the trimming mechanism.

1,514,780. FOOD PRODUCT AND PROCESS OF MAKING THE SAME. WALTER S. MORTON, New York, N. Y., assignor to Cheshire Kitchens, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 4, 1922. Serial No. 527,001. 11 Claims. (Cl. 99—11.)

10. The process of preparing fully ripened, full-cream cheese consisting in reducing its moisture content to 18% to 22% at a temperature below that at which the fat content is affected.

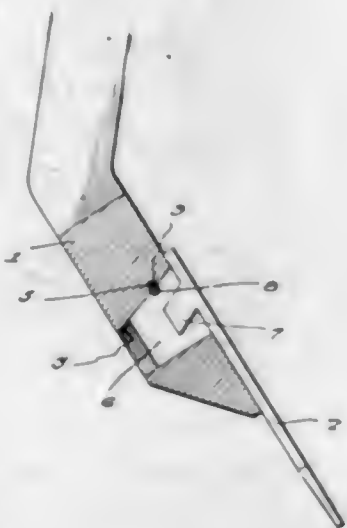
11. A food base comprising granulated full-cream cheese the moisture content of which is reduced to 18% to 22%, and the fat content of which is substantially the same in character as that of the cheese before reduction of moisture content.

1,514,781. FASTENING DEVICE. JOHN BIRT MUSE, Cameron, N. C. Filed Mar. 15, 1923. Serial No. 625,406. 1 Claim. (Cl. 294-83.)



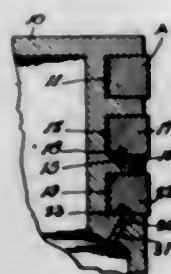
In a device of the character described, a casing having a longitudinally-extending chamber formed therein and at one end having an article engaging hook portion extending transversely of the casing, a catch pivotally connected with the casing and extending longitudinally thereof and positioned partially in the chamber and having one end portion partially externally thereof, the outer end portion of said catch terminating in a hook portion extending transversely thereof for engaging and cooperating with the hook portion of the casing in holding an article, the inner end portion of said catch being provided with a side extension having a concave end face, a latch pivotally mounted in the chamber and positioned transversely therein and having an outwardly extending handle forming end portion and an inwardly extending end portion having a convex edge face for engaging the convex edge of the side extension of said catch and retaining the catch in an operative position, said latch having a lug for engaging the side extension of the catch and limiting swinging movement of the latch in one direction when in locking engagement with the side extension, and spring means to yieldably hold the latch in an operative position.

1,514,782. PLOW ATTACHMENT. GIDEON L. NOBLES and WILLIAM F. NOBLES, Lone Grove, Tex. Filed Sept. 22, 1922. Serial No. 589,927. 1 Claim. (Cl. 97-198.)



In combination with a standard having a wedge-shaped slot therein and notches at the sides of the slot, the walls of the notches being inclined, said beam also having a hole passing through the same and in communication

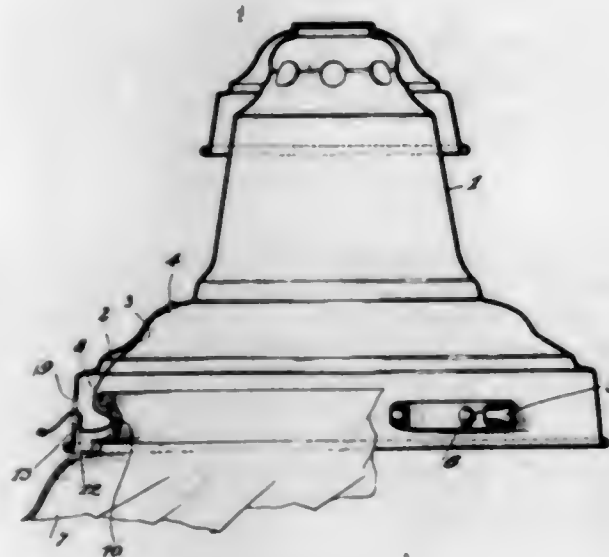
with the slot, a shovel having a wedge thereon for engaging the slot and inclined projections at the sides of the wedge for engaging the notches, said wedge having a recess therein which registers with the hole when the wedge is in the slot and a pin passing through the hole and engaging the recess for holding the wedge in the slot and the projections in the notches.



1,514,783. PISTON AND PISTON RING. SAMUEL N. NOUTH, Toledo, Ohio. Filed May 6, 1921. Serial No. 467,359. 4 Claims. (Cl. 74-109.)

1. In combination, a piston having a ring groove and provided with a drain passage, in communication with said groove, and a piston ring fitting in said groove and provided at its lower side with an oil groove communicating with said passage, the ring being formed at opposite sides of said oil groove with flat faces seating flat against the bottom wall of the ring groove of the piston.

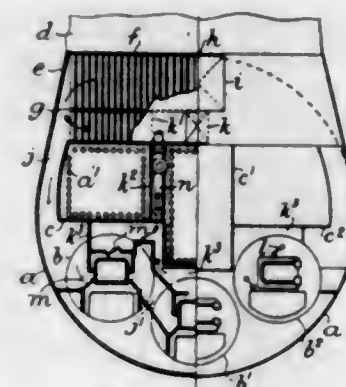
1,514,784. HOLDER FOR GLOBES. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed Aug. 27, 1924. Serial No. 734,395. 5 Claims. (Cl. 240-132.)



5. A holder for globes comprising a body portion, a pair of spaced apart, spring globe supports, each comprising a flat strip of spring material, bent bow-shaped and with volute ends and secured at substantially the center of one of its sides to said body portion, and a locking spring, said locking spring having one end secured to said body portion, the other end being free, said free end projecting through a slot in said holder and having a configuration to provide a lip to support the globe and a yoke to straddle said body portion adjacent said slot whereby said locking spring may be positively

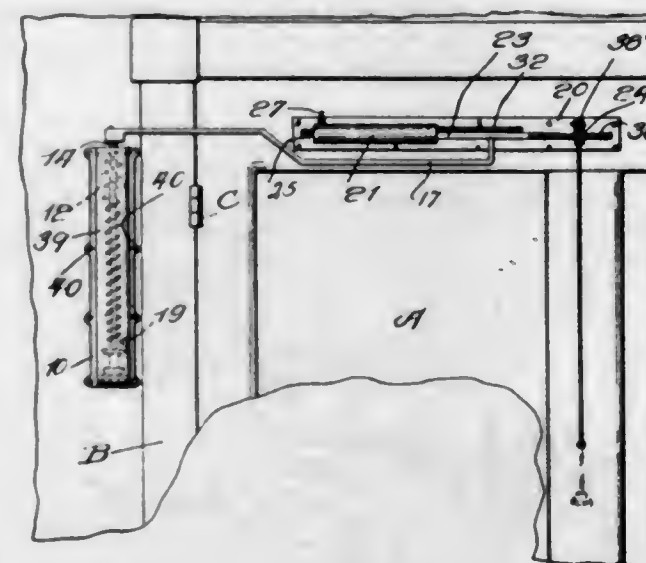
held in globe engaging position and when so held forming with said spring supports a tripodal globe suspending frame substantially unyielding to stresses in the direction of the axis of said body portion.

1,514,785. ARRANGEMENT FOR SUPPLYING HEATED AIR TO FURNACES. WILLIAM HENRY OWEN, Wimbledon, London, England. Filed Mar. 15, 1922. Serial No. 544,042. 4 Claims. (Cl. 110-56.)



1. In an air-heating arrangement for furnaces, the combination of means for heating all the air for combustion by waste gas, means for further heating a part of said air to a higher temperature by waste gas, means for supplying such hotter air to the space above the grate, and means for delivering the rest of said air below the grate, substantially as described.

1,514,786. DOOR-CLOSING DEVICE. RENNALD A. PODRATZ, Harrold, S. Dak., assignor of one-fourth to Forrest L. Hughes, Harrold, S. Dak. Filed Dec. 1, 1923. Serial No. 678,034. 10 Claims. (Cl. 16-70.)



1. A door closer comprising a supporting member adapted to be attached to the door casing, a shaft mounted in the supporting member, a spring resisting rotation of the shaft in one direction, a supporting member mounted on the door, a cylinder thereon having an inlet and an outlet opening, a piston operating in the cylinder and having a piston rod, an arm attached to the shaft and extending across the door and pivotally engaged with the piston rod, an inwardly opening valve controlling inlet to the cylinder, a valve controlling outlet from the cylinder and yieldingly held in a partially open position, and means controlled by the piston rod for fully opening said valve as the piston rod nears the end of the cylinder having inlet and outlet openings and as the door nears its closed position.

1,514,787. TINSEL ORNAMENT AND METHOD OF MANUFACTURE THEREFOR. WILLIAM C. PROTZ, Manitowoc, Wis. Filed Apr. 11, 1924. Serial No. 705,942. 5 Claims. (Cl. 41-10.)



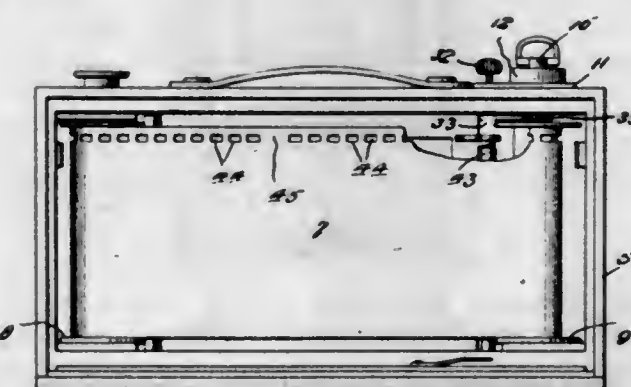
1. An ornamental structure comprising a central core, a substantially conical shaped body made up of a plurality of short projecting tinsel reflecting strips secured to said central core, and a tip for said conical shaped body comprising strips of reflecting tinsel twisted around the end of said central core.

1,514,788. TINSEL ORNAMENT. WILLIAM C. PROTZ, Manitowoc, Wis. Filed Apr. 11, 1924. Serial No. 705,943. 3 Claims. (Cl. 41-15.)



1. A miniature tree comprising a central core of twisted wire strands, and a plurality of strips of tinsel secured between the twisted wire in a manner to extend laterally from said central core to form the branches of said tree.

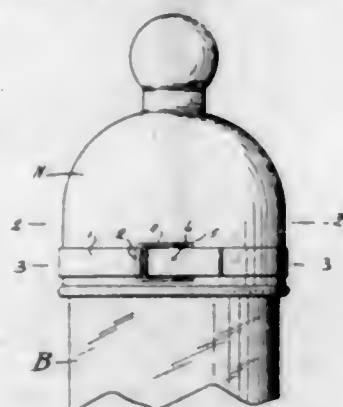
1,514,789. FILM-WINDING ATTACHMENT FOR CAMERAS. EDWARD J. QUINN, Roanoke, Va. Filed Jan. 29, 1924. Serial No. 689,271. 14 Claims. (Cl. 95-31.)



1. In a camera, a winding spool to hold a film having a plurality of series of sprocket slots separated at intervals

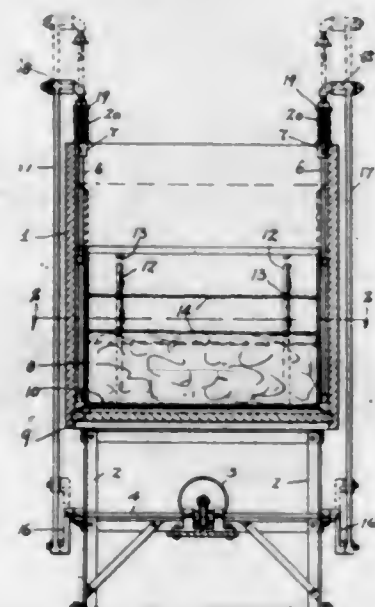
by unslotted portions, an element operable for turning the winding spool in one direction, a normally inoperative element for locking the spool turning element, a movable toothed element normally arranged to engage with the film with its teeth in the sprocket slots to permit release of said locking element and adapted to be moved by the unslotted portions of the film to cause the locking element to move in one direction to lock the spool turning elements.

1,514,790. CLAMP FOR HOLDING NIPPLES UPON NURSING BOTTLES. JAMES R. RANGE, Rapid City, S. Dak. Filed Jan. 29, 1924. Serial No. 689,345. 3 Claims. (Cl. 24-71.)



1. A nipple securing clamp comprising a substantially circular body portion formed of a strip of material and having sleeves at its ends, open links loosely mounted in said sleeves and extending towards each other and adapted to be moved into overlapping relation, and a latch lever having a longitudinally curved body portion extending through one of said links and having a bearing sleeve extending transversely across its under face and intermediate its length and loosely fitting upon the last mentioned link, the inner end of said latch lever being provided with a bearing sleeve extending across its inner face and loosely receiving the outer end portion of the other link, the outer end portion of said latch lever being provided with a bill extending beneath the under face of the lever and adapted to have frictional engagement with a sleeve of the body forming strip to secure the latch when the latch is swung to the locking position.

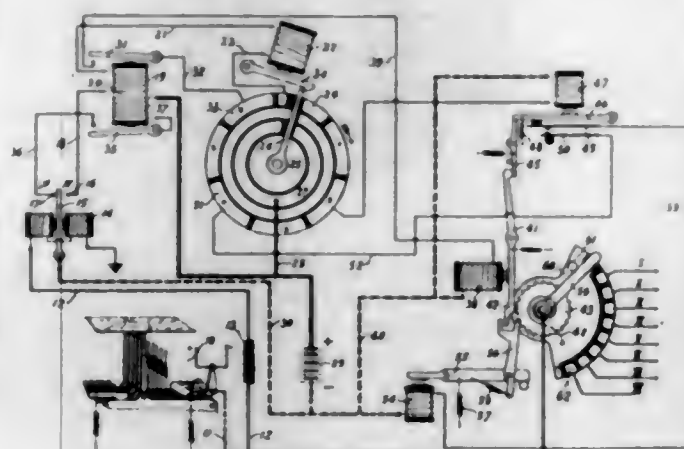
1,514,791. WASHING MACHINE. ROY A. REDINBO, Sidney, Ohio. Filed Aug. 28, 1920. Serial No. 406,623. 3 Claims. (Cl. 68-37.)



1. In a machine of the character described, the combination of a cylindrical tub supported with axis vertical; an open-ended cylindrical basket vertically reciprocable within said tub for containing the articles to be

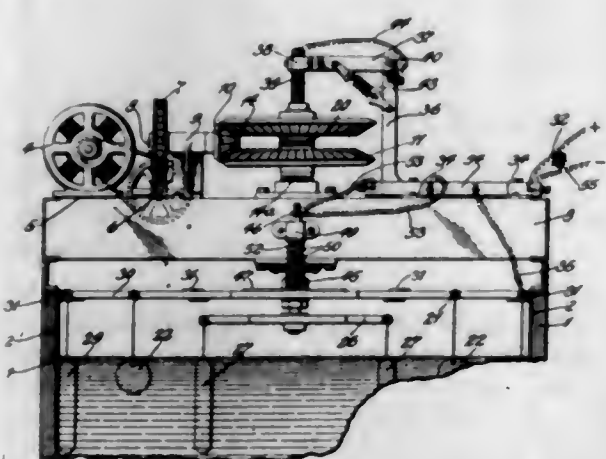
cleaned, said basket being formed with vertical internal corrugations slotted at corresponding points and with an intumed flange at its lower edge; a screen removably seated on such flange, normally forming a perforated bottom closure for said basket; and a second screen forming a top closure for said basket, said second screen being formed with circumferentially spaced recesses adapted to align with the corrugations in said basket, whereby upon rotation said screen may be secured in a selected series of slots in such corrugations.

1,514,792. SELECTOR. ALBERT H. REIDER, Bronx, N. Y., assignor to Kleinschmidt Electric Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Sept. 2, 1922. Serial No. 585,870. 13 Claims. (Cl. 178-23.)



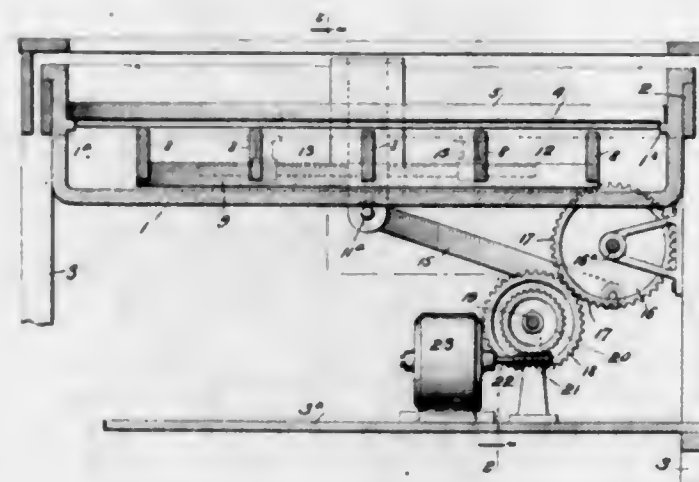
1. The method of selective signaling which consists in imparting to a line, code signals of a variety of five impulses of different polarity, and causing, first, a signal comprising impulses of uniform polarity to initiate operation of a selecting receiver, then causing another signal comprising impulses of different polarity, to selectively connect the calling line with the selected line, and finally, causing still another signal to guard the established connection against interference by subsequent signals.

1,514,793. ELECTROPLATING MACHINE. HEDLEY J. RICHARDS, St. Louis, Mo., assignor to Lasalco, Inc., St. Louis, Mo., a Corporation of Missouri. Filed May 26, 1924. Serial No. 715,856. 12 Claims. (Cl. 204-11.)



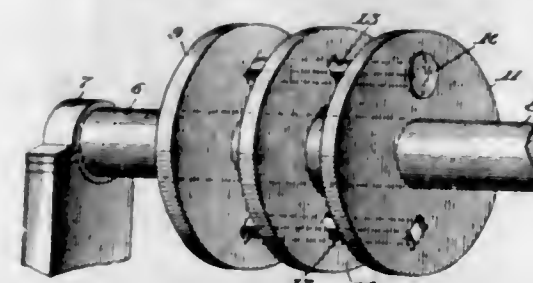
1. An electroplating machine comprising a tank, means for supporting a series of anodes near the wall of the tank, a hollow shaft, a support for cathodes attached to said shaft, a shaft extending vertically through the hollow shaft and to a point below the lower end thereof within the tank, a support for anodes attached to said second shaft, and mechanism for rotating said shafts simultaneously in opposite directions.

1,514,794. ETCHING APPARATUS. VICTOR C. RONG, New York, N. Y., assignor to American Etching Machine Corporation, a Corporation of New York. Filed Aug. 25, 1920. Serial No. 406,040. 7 Claims. (Cl. 41-9.)



1. Etching apparatus embodying a liquid receptacle, means for supporting a plate above and in proximity to an etching bath in said receptacle; a series of wave producing members spaced from each other to produce a predetermined wave length and means for causing the said wave-producing members to be moved a distance substantially equal to the length of the wave, said wave-producing members having the bottom edges spaced from the bottom of the bath receptacle a distance substantially equal to the space between the top edges of such members and the plate to be etched.

1,514,795. FLEXIBLE TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed June 7, 1919. Serial No. 302,410. 2 Claims. (Cl. 64-89.)

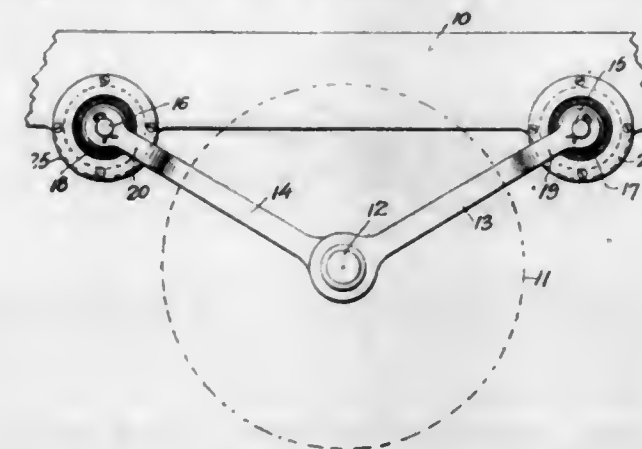


1. In a flexible coupling and drive the combination of a driving shaft, a driven shaft, disks fixedly mounted on said shafts and provided with slots in respective relatively angular relation, a freely floating disk intermediate said shaft disks and having slots registering with the slots thereof, and pins loosely fitting said slotted disks and permitting of relative lateral movement of said shafts, substantially as set forth.

1,514,796. COMBINED SUSPENSION SHOCK ABSORBER AND SNUBBER. BENJAMIN F. SEYMOUR, Indianapolis, Ind. Filed May 20, 1921. Serial No. 471,240. 2 Claims. (Cl. 267-21.)

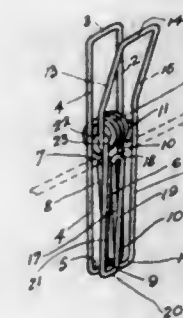
1. In a resilient suspension for vehicle bodies, the combination with a chassis or frame, an axle, and a wheel journaled on said axle, of a pair of levers fulcrumed on the axle, collars fixedly mounted on the axle holding

said levers therebetween, the distal ends of said levers being bifurcated; a pair of cylindrical and rubber blocks



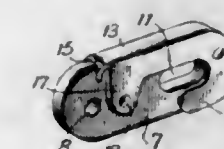
set within the chassis, and fulcrum bearings mounting the bifurcated lever ends on said rubber blocks, substantially as set forth.

1,514,797. CLOTHESPIN. GEORGE STANLEY SHAW, Vancouver, British Columbia, Canada. Filed May 15, 1923. Serial No. 639,114. 3 Claims. (Cl. 24-139.)



3. In a clothes pin, the combination with the gripping jaws thereof, of means for positively locking the said jaws to a clothes line, said means comprising a coil intermediate the length of the pin and members, the points of which converge and are spaced from the coil so that an automatic lock for the line is formed between the converging points and the periphery of the coil.

1,514,798. CONNECTING LINK FOR CHAINS. JOHN J. SIGLER, Frederick, Md. Filed Apr. 29, 1924. Serial No. 709,794. 1 Claim. (Cl. 24-241.)



A connecting link for anti-skid chains comprising a body portion, a locking member pivotally mounted thereon, said body portion having a recess and an adjacent notch formed therein, and an angular projecting portion on said locking member adapted to engage within said notch, and a detent on the locking member adapted to engage within the recess, said detent and notch engaging portion adapted to prevent accidental displacement of the locking member, substantially as set forth.

1,514,799. CAP. JOSEPH SIMONELLI, Brooklyn, N. Y. Filed Nov. 13, 1922. Serial No. 600,723. 2 Claims. (Cl. 2-195.)

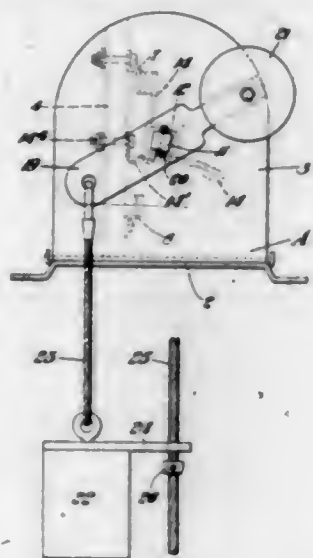
1. A cap comprising a frame, a cover for said frame, a visor pivotally mounted on said frame and means connected to said visor to cause relative movement of said

visor with respect to the frame when the same is upon the head of the wearer, said means including a slide carrier by said frame and having one end thereof at-



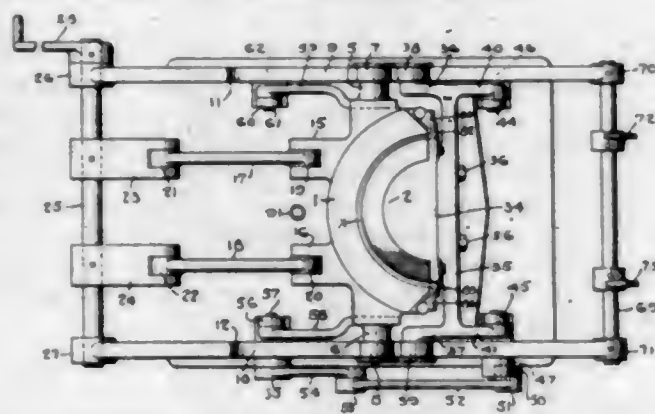
tached to said visor, and the other end projecting below said frame and adapted to co-act with the neck of the wearer.

1,514,800. AUTOMATIC SWITCH. MICHAEL SKENDER, Pittsburgh, Pa. Filed Sept. 7, 1923. Serial No. 861,462. 7 Claims. (Cl. 172-152.)



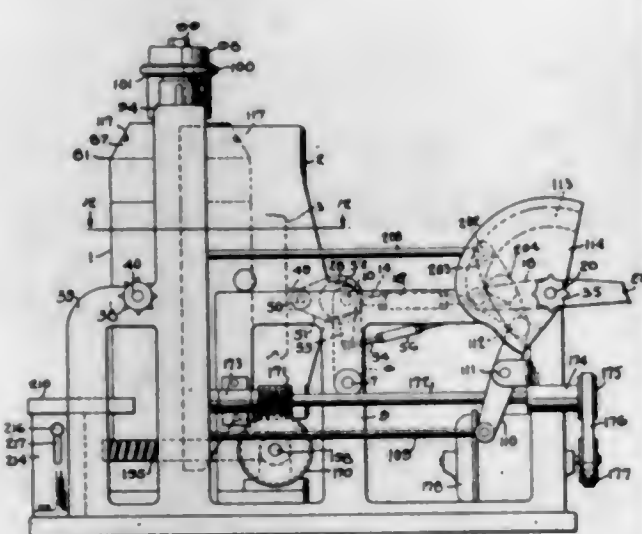
1. A limit and reversing switch comprising, a body portion, a shaft mounted for rotation in said body portion, counterweights for rotating said shaft, an insulated sleeve on said shaft, a plurality of double acting contact fingers secured on said shaft, rigid contacts on said body portion adapted to be engaged by said contact fingers, and means for holding said contact fingers in reversing position after said switch has acted to automatically make the reverse circuit until the circuit through said switch is broken.

1,514,801. STEREOTYPE-PLATE-CASTING MECHANISM. ERNEST J. SMITH, London, England, assignor to Goss Printing Press Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1920. Serial No. 433,021. 55 Claims. (Cl. 22-3.)



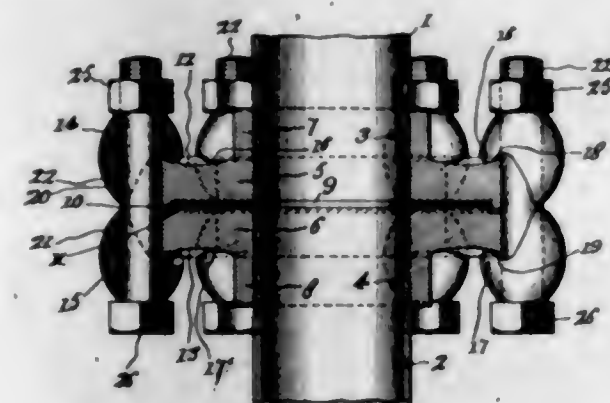
1. A stereotype plate casting machine including in combination a traveling core, a traveling drag, both having angular and translatable movement, and means for moving them together to cast and apart after the casting operation to plate delivering position.

1,514,802. STEREOTYPE-PLATE-CASTING MACHINE. ERNEST J. SMITH, London, England, assignor to Goss Printing Press Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1920. Serial No. 433,022. 52 Claims. (Cl. 22-2.)



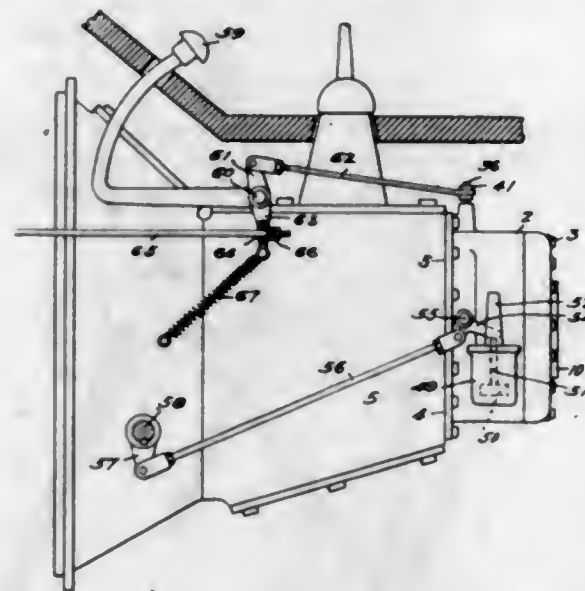
1. A stereotype plate casting machine including in combination a core, and a drag made in two relatively movable parts, constituting a casting chamber, and means for stripping the matrix from the cast plate while said core, and one part of the drag remain in casting position.

1,514,803. FLANGE PIPE COUPLING. DRACOS SOUTER and WILLIAM Z. WILKINSON, Baton Rouge, La. Filed Feb. 3, 1921. Serial No. 442,210. 1 Claim. (Cl. 285-137.)



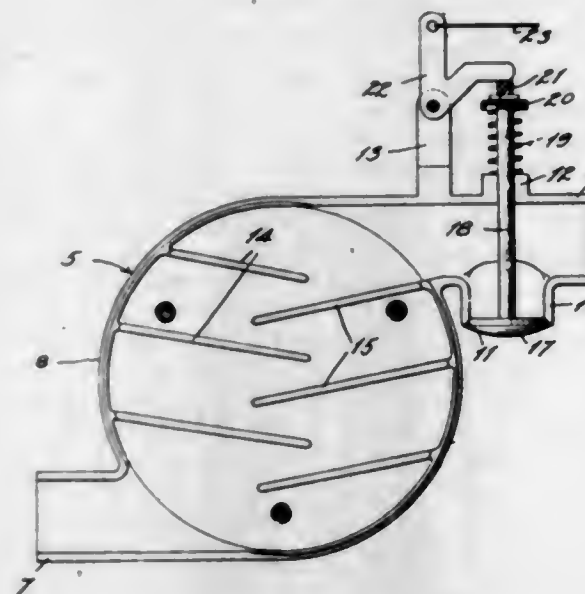
A detachable pipe coupling comprising a pair of flanges attached to adjacent ends of two sections of pipe to be joined together, a gasket placed and compressed between the adjacent faces of said flanges, the remote faces of the flanges being curved radially, and a number of clamps placed at intervals about the circumferential edges of said flanges, each of said clamps comprising two substantially spherical members having rounded noses adapted to come into contact with the curved remote faces of said flanges, said clamp members having registering openings therethrough, a bolt made separate from said two clamp members and freely fitted through the registering openings therein for drawing the clamp members together upon said flanges and for causing the rounded noses to ride radially inward upon the curved remote faces of said flanges, said clamp members having clearance spaces extending inwardly of the noses and further provided with extensions opposite the noses and being considerably longer than said noses, said extensions of the two clamp members approaching close to one another at the outer sides of the bolt and extending laterally of the bolt, the opening through said clamp members adapted to snugly fit the bolt.

1,514,804. FLUID-ACTUATED BRAKE FOR MOTOR VEHICLES. EDWIN G. STAUBE, Minneapolis, Minn. Filed Sept. 17, 1920. Serial No. 410,957. Renewed Sept. 22, 1924. 27 Claims. (Cl. 192-3.)



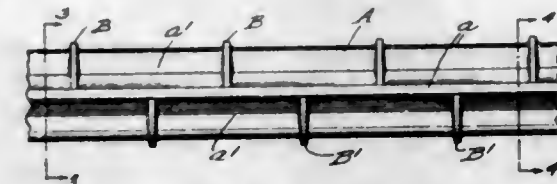
1. A fluid operated brake for motor vehicles comprising a casing having inlet and exhaust ports for admitting and discharging a non-elastic fluid, a rotor mounted in said casing and connected with the vehicle propeller shaft, said rotor having means connected to opposite sides thereof for drawing the fluid into said casing and expelling it therefrom and a valve mounted to check the flow of liquid from said casing.

1,514,805. MUFFLER. CHARLES TASSO and HUBERT B. DALY, New York, N. Y. Filed Aug. 15, 1919. Serial No. 317,784. 1 Claim. (Cl. 137-160.)



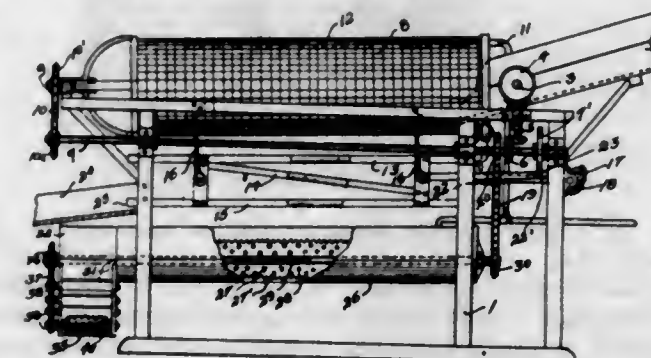
A muffler comprising a hollow circular body portion having vertical side walls, an inlet extension formed thereon at the top of said body portion, an outlet extension formed at the bottom of said body portion, baffles formed integral with said body portion and projecting from the circular walls and terminating short of said vertical side walls, the baffles of one side of said circular walls overlying the baffles of the opposite side to provide a passage way from the inlet extension to outlet extension, and a valve mounted in the inlet extension and disposed at a right angle to the axis thereof and operable from a point distant from the muffler for relieving excess pressure in said body portion.

1,514,806. REINFORCING BAR FOR CONCRETE CONSTRUCTION. FRANK L. THOMAS, Buffalo, N. Y., assignor to Donner Steel Company, Inc., Buffalo, N. Y. Filed Dec. 1, 1922. Serial No. 604,201. 3 Claims. (Cl. 72-111.)



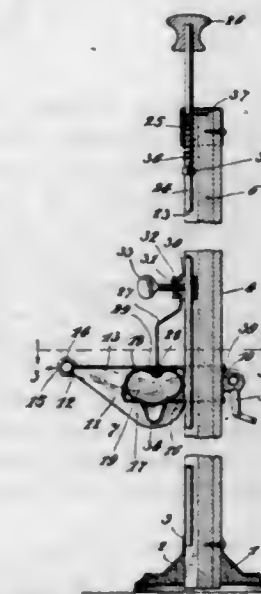
1. A reinforcing bar for concrete construction including a core having a cross section simulating a polygon of more than four sides, the edge portions of the core being rounded and the sides being concaved so that the periphery of the cross section will be greater than that of the polygon of corresponding cross-sectional area, and two series of transverse ribs which are arranged at opposite sides of the bar and which are substantially semi-circular in form and which extend across the space between adjacent longitudinal edge portions of the core, the ribs of the series being arranged in staggered relation to each other.

1,514,807. MINERAL SEPARATOR. ROBERT M. TWEEDY, Spokane, Wash. Filed July 25, 1922. Serial No. 577,299. 1 Claim. (Cl. 83-81.)



The combination in a mineral separator with a washing trough adapted to receive wet material, of a shaft journaled in said trough, a straight flat blade fixed at opposite sides to said shaft having straight serrated edges and perforations in its body, means for revolving said shaft and blade, and a tank adapted to receive the washed material from said trough.

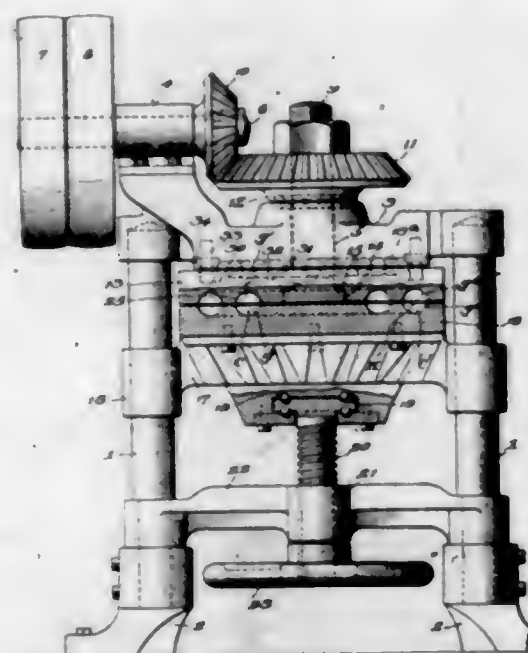
1,514,808. SKIRT MARKER. RUDOLF WASSERMAN, New York, N. Y. Filed Aug. 17, 1921. Serial No. 492,955. 11 Claims. (Cl. 33-10.)



1. In a skirt marker, in combination, a support having a scale, a marking unit adjustably mounted on said scale, said marking unit including a chamber lodging a powder-containing bulb, a nozzle carried by said unit,

a conduit connecting said bulb to said nozzle, a presser for said bulb and a plunger conveniently operable by a standing person for operating said presser to cause the ejection of powder from said nozzle.

1,514,809. APPARATUS FOR MAKING HOLLOW BALLS. WALTER J. WISCH, Baltimore, Md. Filed Dec. 22, 1920. Serial No. 432,465. 7 Claims. (Cl. 80-21.)



7. In a machine for treating hollow ball blanks, the combination of two rolling plates having confronting grooves forming a channel to receive the blanks, means for rotating one of the plates in relation to the other, and cam mechanism for applying to the rotating plate a series of abrupt, increased-pressure impulses, which are conveyed through the plate to the blanks to hammer them as they are rolled.

1,514,810. PROCESS OF MAKING HOLLOW BALLS. WALTER J. WISCH, Baltimore, Md. Filed Dec. 22, 1920. Serial No. 432,466. 7 Claims. (Cl. 80-60.)

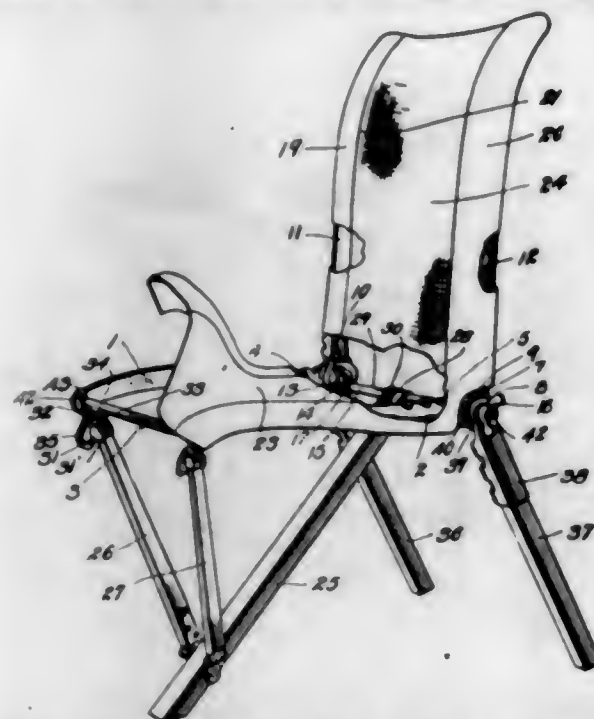


7. The process of making hollow balls comprising forming a substantially cup-shaped blank, maintaining the closed part of the blank in substantially hemispherical form, and compressing the other part of the blank into substantially ovoid form and simultaneously increasing the thickness of the wall as it approaches the opening, and finally compressing the blank until the ovoid portion in its longitudinal axis is only slightly longer than the radius of the hemispherical portion, retaining the opening in the ovoid part of the blank in line with the longest axis of the blank, the wall of the blank adjacent to the opening being substantially thicker than other parts of the wall, the blank thus formed being adapted for final treatment by combined hammering and rolling.

1,514,811. CHAIR. JOSEPH H. WITTMANN, Kansas City, Mo. Filed Apr. 14, 1922. Serial No. 552,670. 2 Claims. (Cl. 155-139.)

1. A chair comprising a seat, a tripod structure connected to the front and rear ends of the seat, one mem-

ber of the tripod being fastened to the rear of the seat midway between the sides of the seat, the other two members of the tripod being fastened to the lower

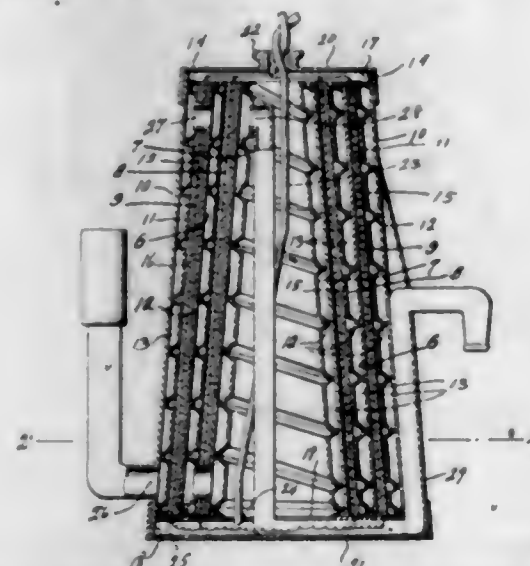


portion of the first member and to the front corners of the seat, and legs adjustably connected to the rear corners of the seat.

1,514,812. NEUTRAL CEMENT. ROBERT H. YOUNGMAN, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 26, 1921. Serial No. 495,759. 4 Claims. (Cl. 106-9.)

1. A refractory composition comprising an intimate mixture of powdered chrome ore and powdered sodium silicate.

1,514,813. ELECTRIC HEATING DEVICE. LESLIE M. ADAMS, Seattle, Wash. Filed May 31, 1922. Serial No. 564,727. 2 Claims. (Cl. 219-39.)



1. In a device of the character described, a casing, a plurality of concentric units located within the casing, the outermost units being double-walled and carrying heating coils located between the walls, each unit being formed with an outwardly pressed helical ridge bearing against the inner wall of the next successive unit whereby to define a series of helical passages between the units, an inlet leading into the lower portion of the casing at one side thereof at the lower end of the outermost helical passage, a passage through the outermost unit at the upper end thereof for establishing communi-

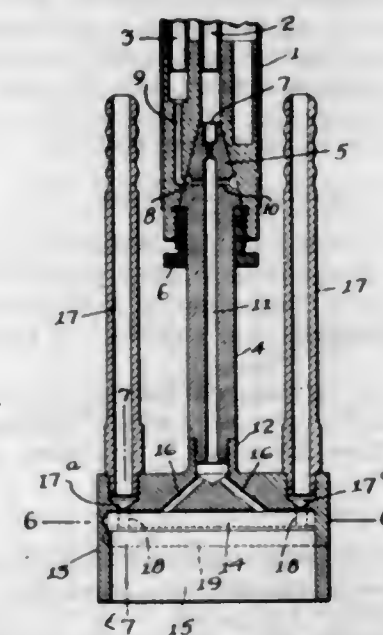
cation between the upper ends of the two outermost helical passages, a passage in the lower portion of the next successive unit establishing communication between the lower ends of the innermost and intermediate helical passages, and an outlet pipe located at substantially the center of the innermost unit and communicating with the upper end of the innermost helical passage.

1,514,814. ELECTRIC-BULB HOLDER. GROVER C. ALLEN, Detroit, Mich. Filed Mar. 18, 1921. Serial No. 453,222. 1 Claim. (Cl. 204-20.)



A bulb holder comprising a handle, bulb gripping elements including a slidable carrying member, and means carried by the end portion of the handle engaging directly the end portion of said carrying member for giving movements thereto, said means including a manually operated feed screw having a stem projecting therefrom engaging the under portion of said carrying member.

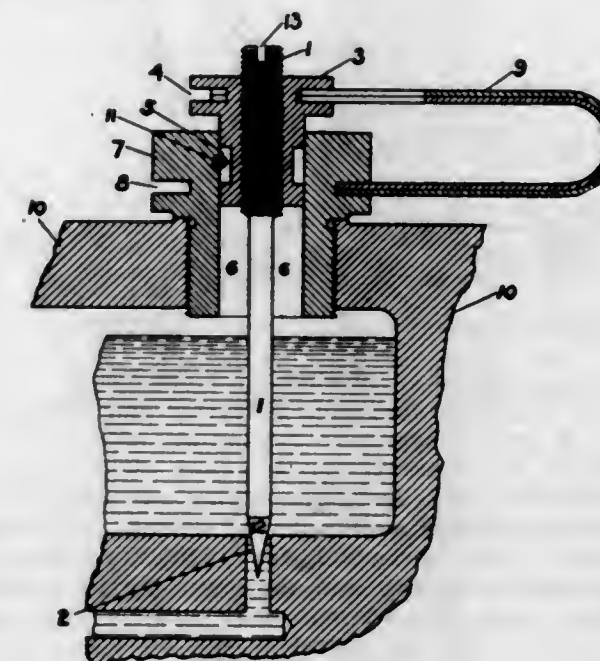
1,514,815. SLOTTED WELDING TORCH. JAMES L. ANDERSON, Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1919. Serial No. 317,283. Renewed Apr. 10, 1924. 3 Claims. (Cl. 158-27.4.)



1. In a blowpipe for highly explosive gaseous mixtures such as oxygen and acetylene, a transversely elongated nozzle containing a transverse supply chamber for the

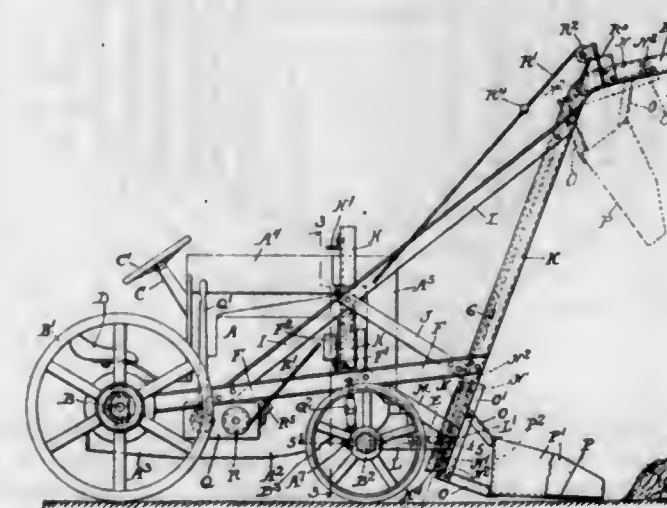
mixed gases and a narrow slotted delivery passage deeply tapering to a hair-line issue, the base of said passage opening from the supply chamber and being abruptly much narrower than said chamber.

1,514,816. FLUID VALVE THERMORESPONSIVELY CONTROLLED. RAYMOND M. ANDERSON, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed July 26, 1922. Serial No. 577,507. 2 Claims. (Cl. 297-15.)



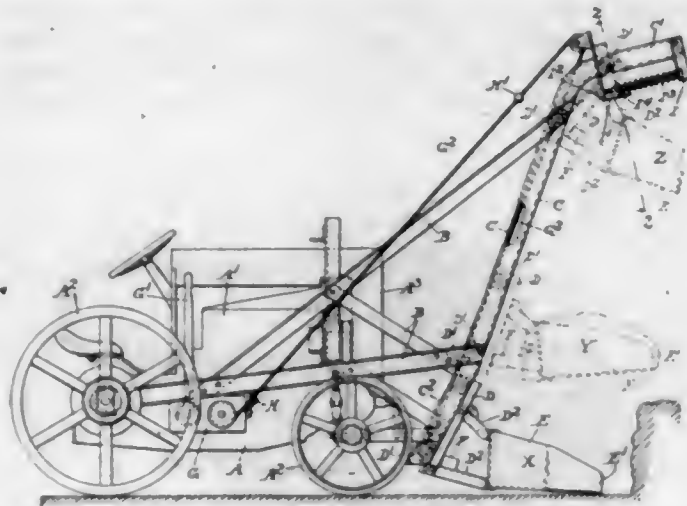
1. A valve seat, a moveable needle valve, a bushing in which said needle valve is adjustable, a stop limiting the travel of the bushing in both directions, a U shaped thermoresponsive element, one leg engaging with the needle valve by means of the bushing, the other being locked in a stationary position with reference to said valve seat.

1,514,817. ELEVATING SHOVEL. WILLIAM C. ANTHONY, Streator, Ill., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed Nov. 13, 1922. Serial No. 600,571. 16 Claims. (Cl. 37-126.)



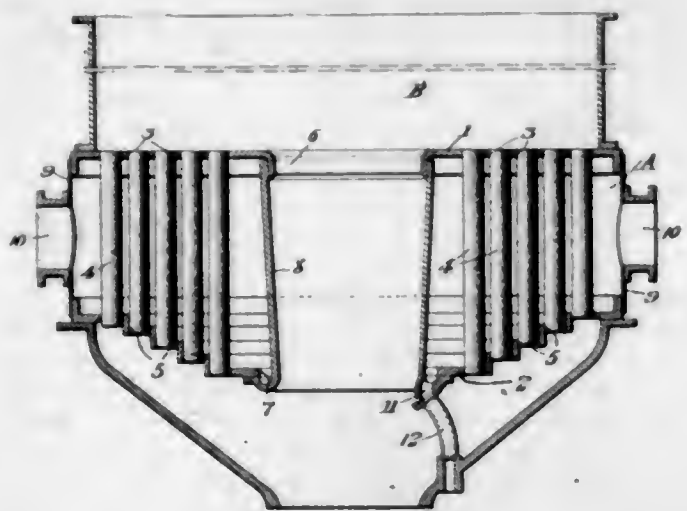
1. In combination with a tractor, a rigid supporting frame including side members, said members supported at one end upon the rear axle of said tractor, a supporting bridge resting upon the engine of said tractor and supporting and joining said side members intermediate their ends.

1,514,818. ELEVATING SHOVEL. WILLIAM C. ANTHONY, Streator, Ill., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed Nov. 15, 1923. Serial No. 674,825. 20 Claims. (Cl. 37-126.)



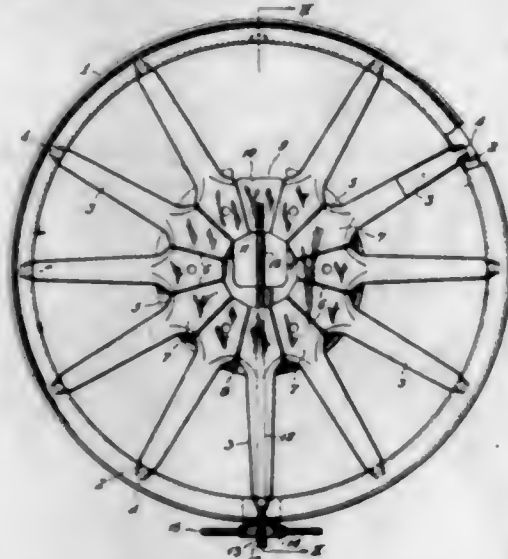
1. In a shoveling apparatus a tractor and an engine therefor, a shovel-supporting framework mounted upon said tractor and a track thereon and a shovel movable along said track and means for raising and lowering it, said track comprising a plurality of sections of varying inclination to the horizontal, the angular relation between the shovel bottom and the lower portion of said track being such that when it is in position thereupon the forward edge of the shovel is positioned in a plane lower than the rest of the shovel bottom, the angular relation of the shovel and the portion of the track lying above said lower portion being such that when it is positioned thereupon, the forward edge of the shovel lies in a plane above the rest of the shovel bottom.

1,514,819. CALANDRIA. JOHN JAMES ARMSTRONG, Los Angeles, Calif. Filed Sept. 9, 1920. Serial No. 409,064. 1 Claim. (Cl. 159-27.)



In a vacuum pan, a calandria comprising an upper horizontal tube sheet, a lower downwardly and inwardly inclined tube sheet, an inclosing rim provided with oppositely disposed steam inlets therein, a central conduit connecting the sheets, and circulation tubes extending between and through said sheets, said tubes increasing in length successively from the periphery towards the center of the calandria by an amount substantially commensurate with the decrease in the temperature of the steam supplied to the calandria through the steam inlets; whereby the heating effect of all of said tubes will be substantially equal.

1,514,820. DEVICE FOR AND METHOD OF ASSEMBLING COMPOSITE METAL WHEELS. HERALD P. ARNT, Lakewood, Ohio. Filed July 16, 1921. Serial No. 485,327. 9 Claims. (Cl. 157-1.)



1. The combination, for use in assembling in a fellow a plurality of wheel spokes having wedge-shaped nave ends, of a wedge-shaped member adapted to fit between a pair of spoke naves which are on each side of a single missing spoke space and further adapted to press the nave ends of the fellow connected spokes circumferentially against each other and means connected with said fellow and with said member for actuating the latter to its functioning position.

1,514,821. LOCKING DEVICE FOR BOX COVERS. PHILLIP ASSNER, Dorchester, Mass. Filed Dec. 5, 1923. Serial No. 678,771. 6 Claims. (Cl. 217-58.)



1. The combination with a box having a cover hinged thereto and a supplemental transparent plate mounted on said cover by a strap having oppositely disposed clips enclosing the ends of said cover, a device at the rear of said box slidable within said clips and projecting above the hinge connection between said box and cover when said device is in its lowest position.

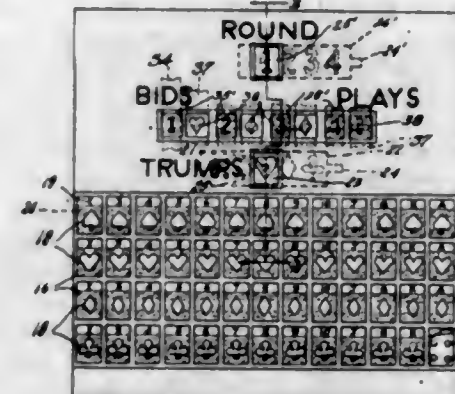
1,514,822. ELEVATOR CABLE. WILLARD S. ATKINSON, Ashland, N. J., assignor to Atlantic Elevator Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 20, 1922. Serial No. 609,764. 3 Claims. (Cl. 75-1.)

1. As an article of manufacture, an elevator cable formed of a plurality of steel strands having a carbon content of less than .25% and a vanadium content of substantially .25%.

1,514,823. DEVICE FOR TEACHING CARD GAMES. ALBERT A. AUSTIN, Chicago, Ill. Filed July 20, 1923. Serial No. 652,732. 15 Claims. (Cl. 35-12.)

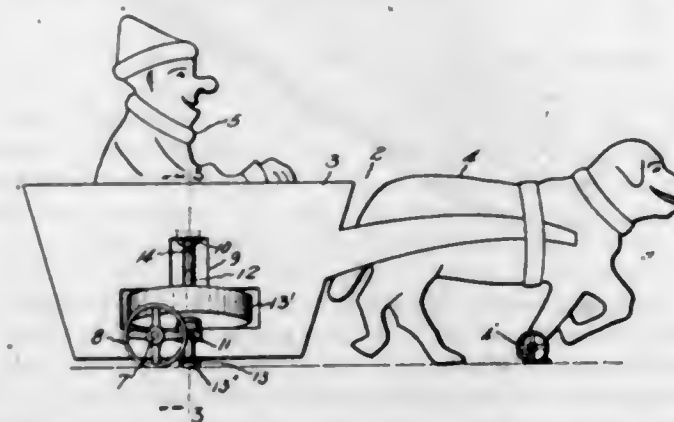
1. A device for teaching the method of playing card games including, a display board having a number of compartments with transparent front walls, illuminating means arranged in the compartments, certain of said

illuminating means being of different colors, means remote from the display board for controlling the illuminating means, and means adapted to pass through certain of said compartments to the rear of the closure



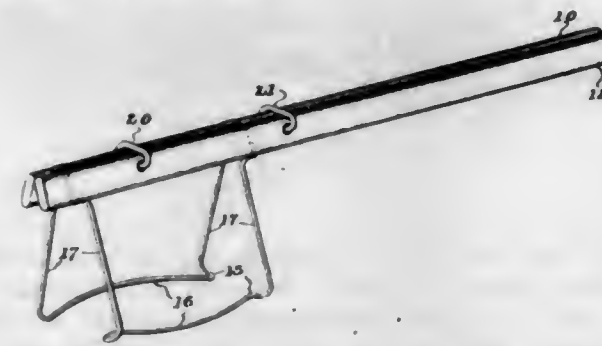
members thereof and having characters appearing thereon to be displayed through the closure members to indicate a certain play of a card game, said characters being substantially the same as characters appearing on the faces of ordinary playing cards.

1,514,824. WHEELED TOY. CLIFFORD E. BAILEY, Cromwell, Conn., assignor to William M. Sheedy, Middletown, Conn. Filed Aug. 30, 1922. Serial No. 585,198. 3 Claims. (Cl. 46-45.)



1. A toy comprising a body portion having a slot, the body portion being furnished with bearings on opposite sides thereof, a spindle standing at an upright angle through said slot and rotatively supported by the bearings, the spindle having a weighted wheel rigid therewith and also having a cord receiving opening between the weighted wheel and the upper portion of the slot, the lower end of the spindle being furnished with a disk that is adapted to rest on the support for the toy.

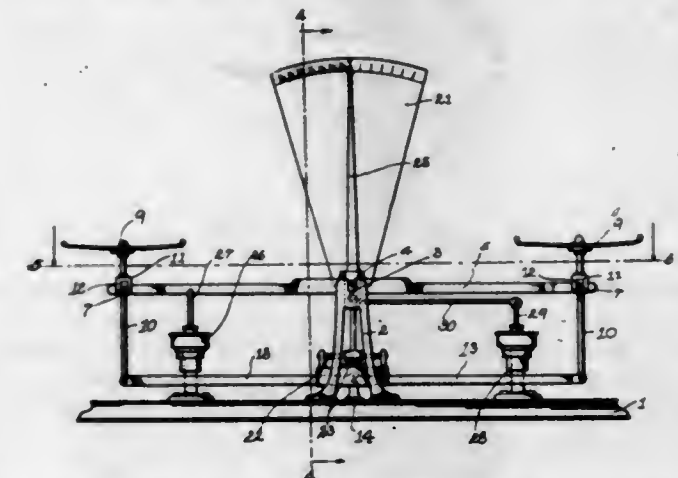
1,514,825. PAN LIFTER. ANNA L. BENOIST, St. Louis, Mo. Filed Mar. 27, 1922. Serial No. 547,286. 1 Claim. (Cl. 294-30.)



In a device of the class described, a plurality of handles, pan engaging devices connected with the handles, and elongated links connecting the handles, loosely mounted in each handle, and permitting the pan en-

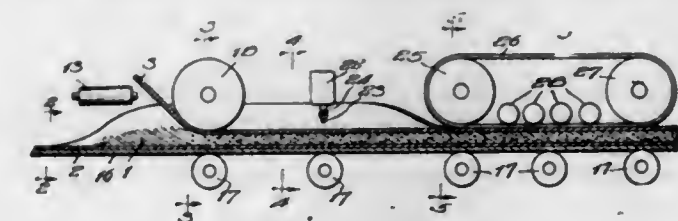
gaging devices to separate slightly and to swing outwardly while the longitudinal axes of the handles maintain parallel relation, said pan engaging devices constituting frames formed with ends each offset on opposite sides of the respective handles.

1,514,826. WEIGHING SCALE. HARRY S. BERGEN, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 18, 1920. Serial No. 359,552. 12 Claims. (Cl. 265-61.)



1. In a scale, in combination, weighing mechanism, an indicator connected thereto, an upwardly-extending chart adapted to co-operate with said indicator, and gravity-controlled automatic means to position the said chart to correspond to the position of the weighing mechanism when the scale is out of level.

1,514,827. APPARATUS FOR CONSTRUCTING PLASTER BOARD. CHARLES R. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 6, 1921. Serial No. 505,849. 3 Claims. (Cl. 154-1.)

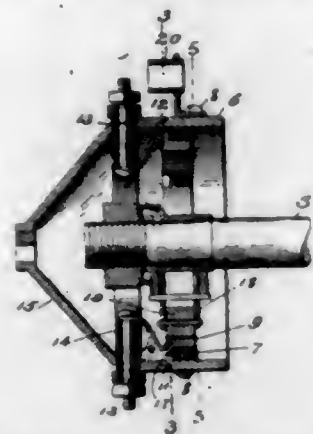


1. An apparatus for making plaster board in a continuous process, comprising means for supporting and advancing a cover sheet, means for bending up an edge thereof, means for covering said sheet with plaster, means for advancing a top cover sheet over said plastered sheet, means for supporting the free edge of one of said sheets out of contact with said plaster, means for applying adhesive substance adjacent to the free edge of the other sheet, and means for overlapping said supported edge of the one sheet held out of contact with said plaster over and onto the adhesively treated edge of the other sheet.

1,514,828. COMMUTATOR. MICHAEL BOTTINO, Auburn, N. Y. Filed Dec. 29, 1920. Serial No. 433,938. 1 Claim. (Cl. 200-26.)

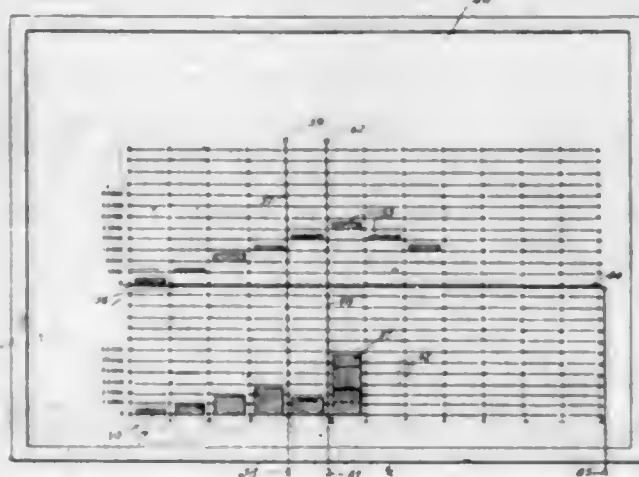
A commutator comprising a stationary member having an insulating ring with a plurality of radial openings therethrough spaced about the same, a binding post having an enlarged head located within each of said radial openings, a resilient contact finger secured beneath said enlarged head of each of said binding posts, said contact finger having a portion extending outwardly at an angle from the head of said binding post, said outwardly extending portion being bent inwardly to pro-

vide a rounded end, an oscillatory member supported in end to end relation to said stationary member, said oscillatory member having a ring of insulating material with a plurality of arcuate contact segments embedded in its surface, each of said contact segments having a



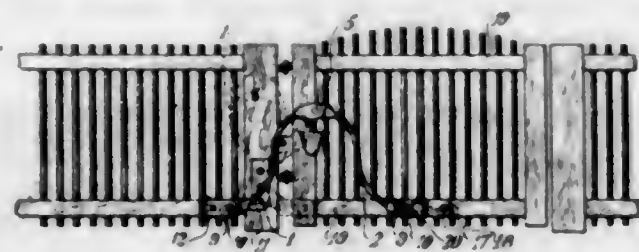
radially extending flange in engagement with the rounded end of one of said resilient contact fingers, and a rotating shaft having a contact member thereon adapted to make electrical connections with said contact segments during the revolution of said shaft, substantially as set forth.

1,514,829. GRAPHIC CONTROL RECORD BOARD. WILLARD C. BRINTON, New York, N. Y. Filed Sept. 26, 1917. Serial No. 193,393. 27 Claims. (Cl. 116-135.)



7. A graphic record apparatus comprising a board having a plurality of parallel slots arranged in parallel coordinate lines on the board, and adjustable means adapted to be mounted in the slots to represent sections of the curve, and means for frictionally holding the adjustable means.

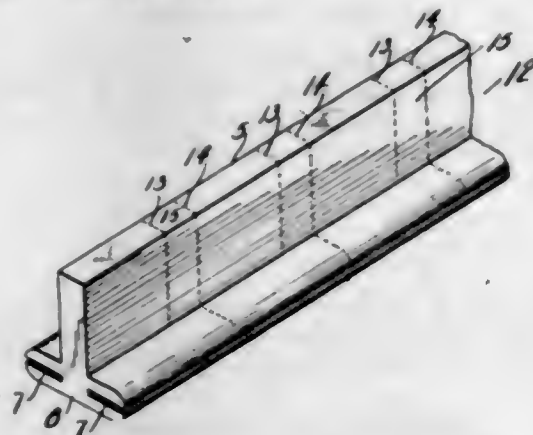
1,514,830. GATE ADJUSTER. KATHERINE AGNES CASEY, Lynbrook, N. Y. Filed June 5, 1923. Serial No. 643,573. 1 Claim. (Cl. 16-81.)



A gate adjusting mechanism comprising two goose-necked bars pivotally connected at their upper ends, a shoulder downwardly projecting from the lower end portion of one of said goose-necked bars, couplings adapted to be attached to the lower end portions of said bars and about which the goose-necked bars are each movable

in a vertical plane, a projecting portion of one of said couplings adapted to engage said projecting shoulder on the lower end of one of said bars at the point of furthest throw of the gate and thus lock the gate in its closed position, brackets to which said couplings are attached and about which the couplings are free to move in a horizontal plane, a recessed portion of one of said brackets to permit of horizontal swing of the coupling sufficient to drop the elevation of the goose-necked bars so that the projecting portion on the other coupling engages the aforesaid shoulder portion on the lower end of one of said goose-necked bars at the point of furthest throw of the gate and a gravity actuated weight attached to one of said goose-necked bars for the purpose of swinging the said goose-necked bar in its vertical orbit toward the gate and cause the throw of the gate thereby, said goose-necked bars permitting of backward swing to the dead center position of said gravity weight and being held there by said weight, thus locking the gate in its open position.

1,514,831. METHOD OF FORMING DENTAL ANCHORING DEVICES. HERMAN E. S. CHAYES, New York, N. Y. Filed Apr. 21, 1922. Serial No. 555,924. 2 Claims. (Cl. 29-160.6.)



1. The method of making T-shaped anchoring devices having expansible head portions, which consists in forming an elongated member having a T-shaped cross-section: in slitting the member longitudinally throughout its length along a lateral edge of the head portion of the T-shaped formation perpendicularly to the stem of the T; in cutting through the elongated member at spaced intervals corresponding to the length of the head of the devices to be produced, and in removing a portion of one end of the T-stem of each device, so that the T-head portion thereof is longer than its T-stem.

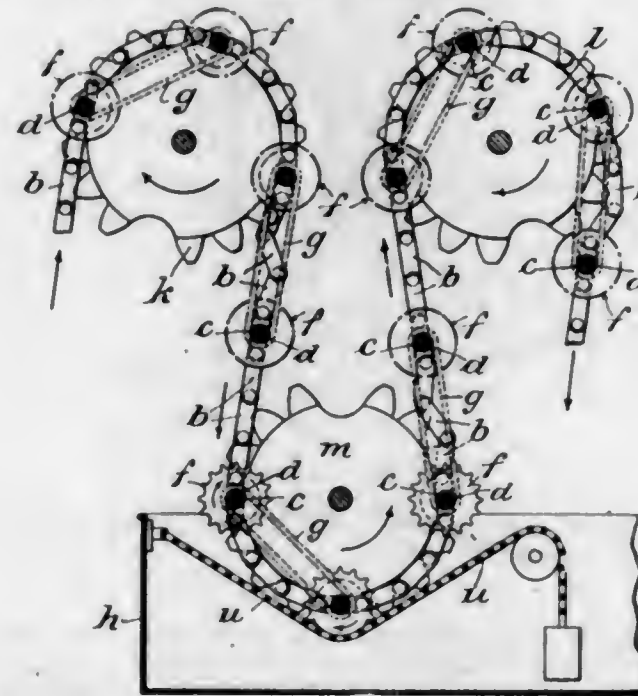
1,514,832. STARTING DEVICE. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, a Corporation of New York. Filed June 15, 1923. Serial No. 645,706. 37 Claims. (Cl. 123-185.)



20. In an overload releasing device, in combination, a driving means, an axially shiftable driven means, a clutch connection therebetween comprising two engaging elements, one element of said clutch mounted on the driven means and having relative longitudinal movement thereon, a major and a minor spring means, the minor spring means tending to maintain the clutch elements in an engaged position, the major spring means adapted

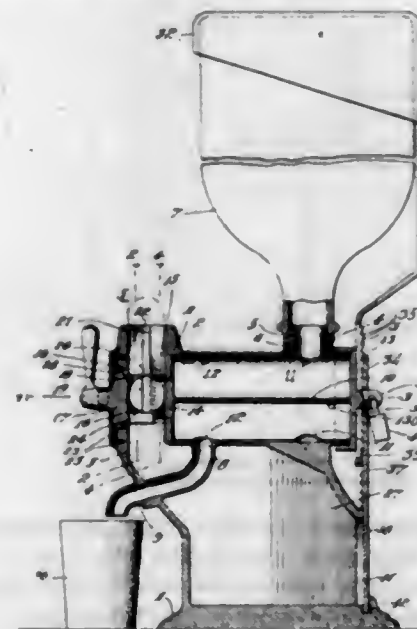
to be deflected by an overload to effect an axial displacement of the driven means so as to sever the clutch connection, the clutch elements so organized as to prevent a remeshing while one element thereof is rotating at relatively high speed to the other.

1,514,833. MERCERIZATION OF YARNS IN HANK FORM. JAMES FREDERICK COPLEY, Thongabridge, near Huddersfield, England. Filed Feb. 25, 1922. Serial No. 539,155. 5 Claims. (Cl. 8-20.)



2. In a mercerizing machine, a tank for liquid, a drive chain, supports for hanks of yarn carried by the drive chain and arranged in pairs, upper and lower wheels engaging with the drive chain and operating to pass the said supports through the tank, each pair of supports being spaced at a greater distance apart than the normal length of the hank supported by it, whereby the tension on the intervening portion of the drive chain is relieved while passing between the upper and lower wheels and is transferred to the hanks, and means for revolving the said supports while passing through the tank.

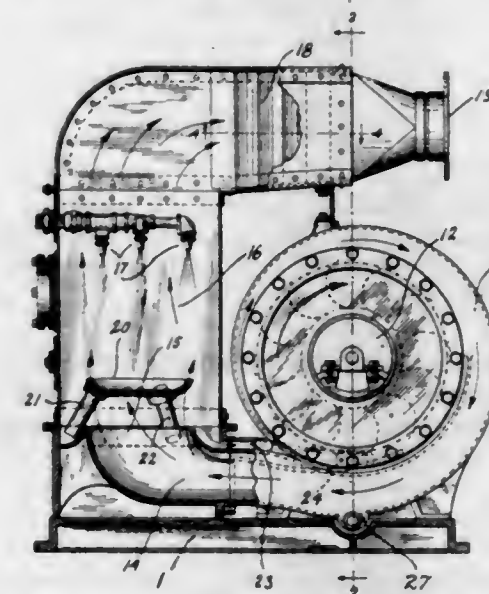
1,514,834. LIQUID-DISPENSING DEVICE. ELMER U. DANENHOWER, Atlantic City, N. J. Filed Oct. 17, 1922. Serial No. 595,054. 2 Claims. (Cl. 221-106.)



1. In a dispensing device, the combination with a casing including a container for substance to be dispensed, said casing having a substantially cylindrical chamber formed with an inlet and a diametrically oppo-

site outlet for said material and open at one end, a measuring cylinder revolvably mounted in said chamber and longitudinally divided into two measuring compartments having diametrically opposite openings to successively register with said inlet and said outlet as the cylinder is revolved, said compartments also having open ends corresponding to the open end of the casing, and a removable cap mounted on the said open end of the casing to simultaneously close the same and said open ends of said compartments.

1,514,835. APPARATUS FOR TREATING AIR AND OTHER GASES. WILLIAM A. DARRAH, Chicago, Ill. Substitute for application Serial No. 578,510, filed July 29, 1922. This application filed June 7, 1924. Serial No. 719,195. 3 Claims. (Cl. 183-26.)



1. The process of treating air, which consists in blowing said air through a spray chamber, washing said air in said spray chamber with a liquid spray, collecting the liquid spray after washing said air, and directing said collected spray into the blower member for preliminary treatment of said air.

1,514,836. FURNITURE BRACE. CARL M. DEADWYLER, Waco, Tex. Filed May 9, 1922. Serial No. 559,653. 1 Claim. (Cl. 5-306.)

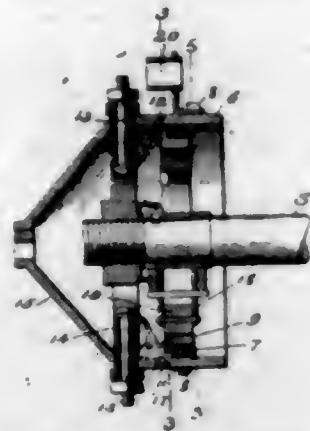


A tightening yoke for furniture comprising a head formed with a transverse opening having walls completely about the same and diverging grooves on opposite sides of the head, said grooves throughout the greater portions of their lengths being lesser in width than the width of the opening and having their ends adjacent the opening flaring and merging into one wall of the opening so that two wires, each having a diameter of substantially the diameter of the main portions of the grooves may be held against lateral movement in the grooves and may lie side by side in the opening.

1,514,837. MACHINE-SWITCHING TELEPHONE SYSTEM. GERALD DEAKIN, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 23, 1918. Serial No. 263,884. 4 Claims. (Cl. 179-27.)

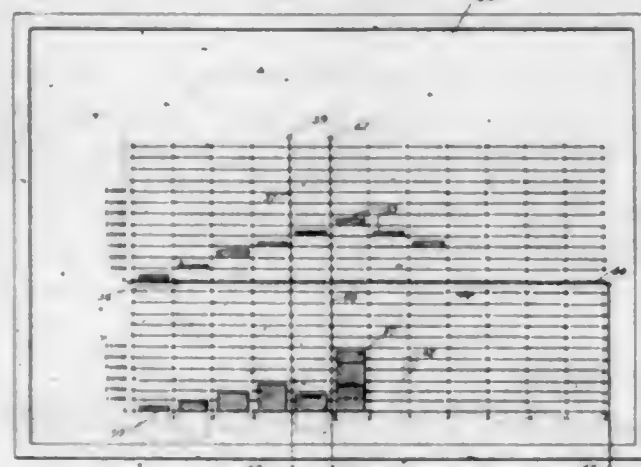
1. In a telephone exchange system, a called subscriber's line, automatic switches for establishing a connection to said line, an operator's position, a second operator's position, a trunk interconnecting said positions, a calling line, means at the first operator's position for extending the calling line over said trunk to the second position, an operator's cord circuit at said second position for

vide a rounded end, an oscillatory member supported in end to end relation to said stationary member, said oscillatory member having a ring of insulating material with a plurality of arcuate contact segments embedded in its surface, each of said contact segments having a



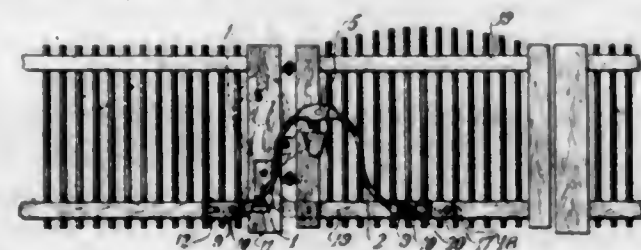
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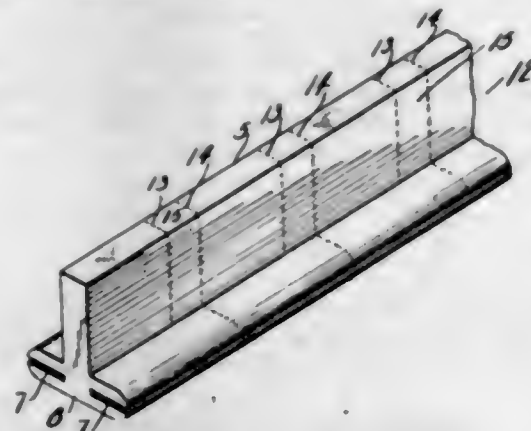
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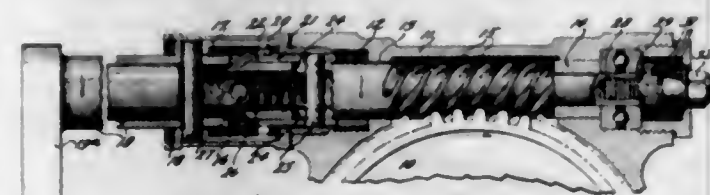
in a vertical plane, a projecting portion of one of said couplings adapted to engage said projecting shoulder on the lower end of one of said bars at the point of furthest throw of the gate and thus lock the gate in its closed position, brackets to which said couplings are attached and about which the couplings are free to move in a horizontal plane, a recessed portion of one of said brackets to permit of horizontal swing of the coupling sufficient to drop the elevation of the goose-necked bars so that the projecting portion on the other coupling engages the aforesaid shoulder portion on the lower end of one of said goose-necked bars at the point of furthest throw of the gate and a gravity actuated weight attached to one of said goose-necked bars for the purpose of swinging the said goose-necked bar in its vertical orbit toward the gate and cause the throw of the gate thereby, said goose-necked bars permitting of backward swing to the dead center position of said gravity weight and being held there by said weight, thus locking the gate in its open position.

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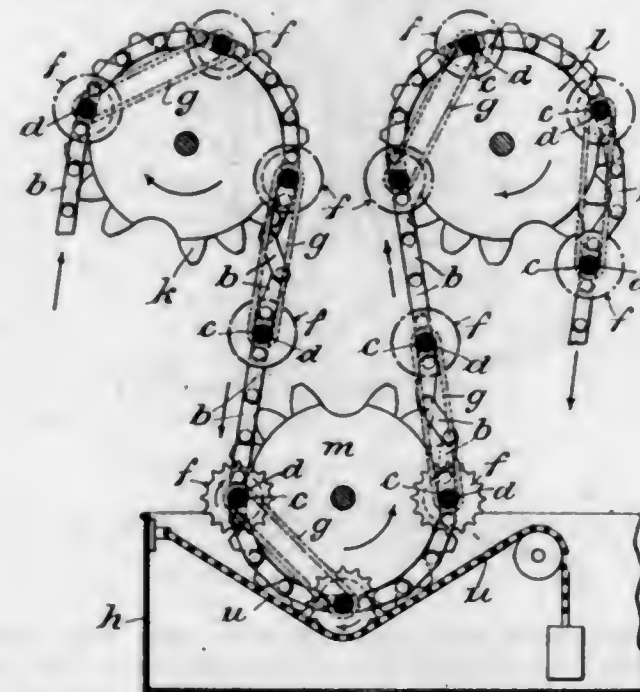
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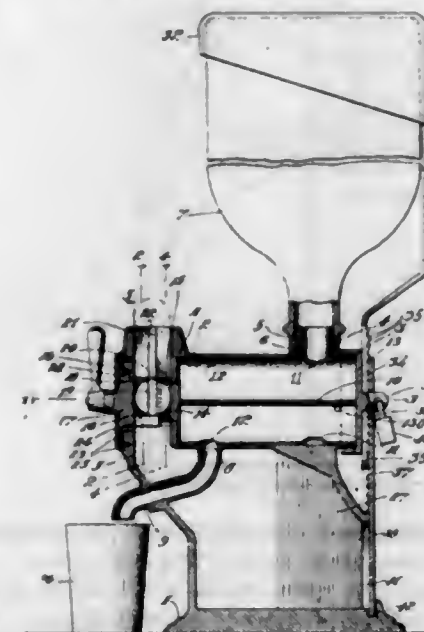
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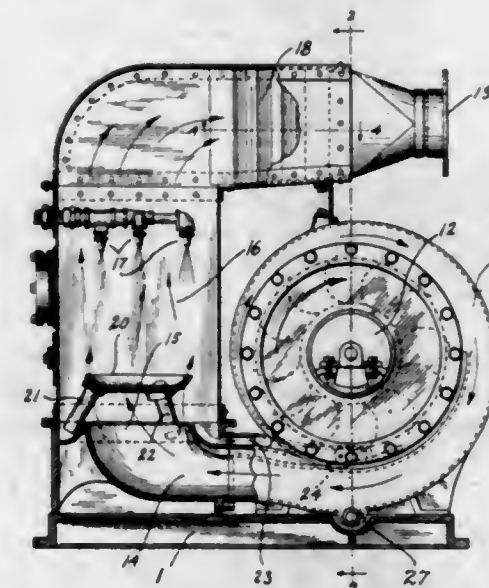
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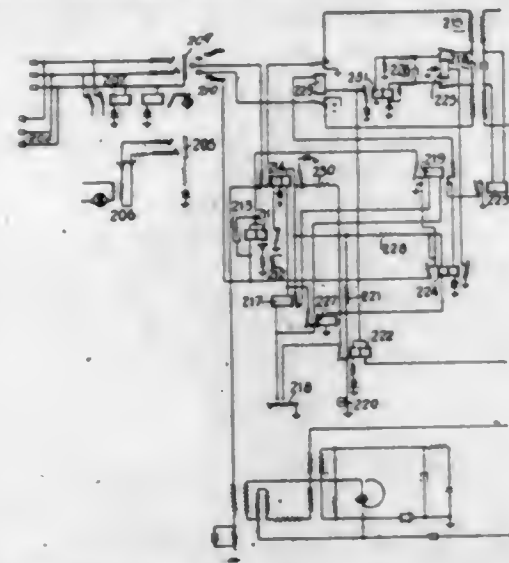


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1,514,837. MACHINE-SWITCHING TELEPHONE SYSTEM. GERALD DEARIN, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 23, 1918. Serial No. 263,884. 4 Claims. (Cl. 179-27.)

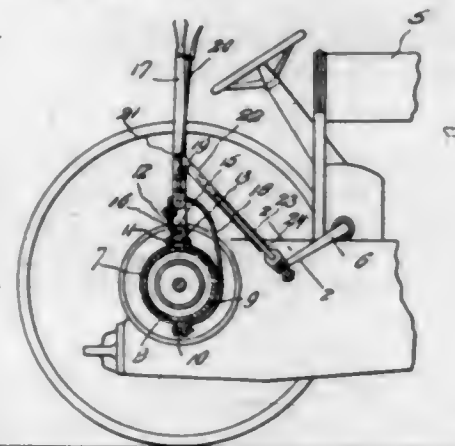
1. In a telephone exchange system, a called subscriber's line, automatic switches for establishing a connection to said line, an operator's position, a second operator's position, a trunk interconnecting said positions, a calling line, means at the first operator's position for extending the calling line over said trunk to the second position, an operator's cord circuit at said second position for

extending said trunk to the called subscriber's line, a source of alternating current, a ringing key at the first position for applying said source of current to said trunk,



a relay responsive to said current for applying ringing current to the called line, and means operated in response to said relay for releasing said switches to disestablish said connection with the called line.

1,514,838. HAND ACTUATING MEANS FOR TRACTOR CLUTCH PEDALS. HERMAN DE MAY, Williamson, N. Y. Filed Feb. 16, 1924. Serial No. 693,326. 1 Claim. (Cl. 74-39.)

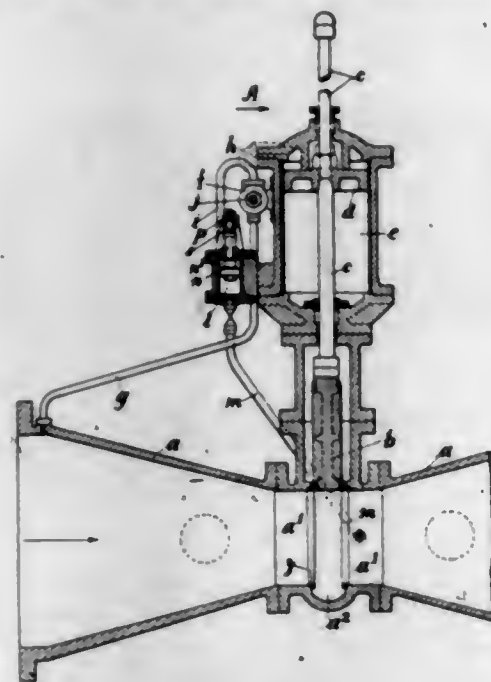


In a hand operated means for tractor clutch pedals, a clamp rigidly secured upon the rear axle housing of the tractor, a hand lever pivotally secured at its lower end to said clamp, a segment rigidly secured at its opposite end to said rear axle housing clamp and formed with a pair of spaced openings, a sliding hand operated detent carried by said hand lever and adapted for selective engagement within either one of said openings for maintaining said hand lever in a depressed or retracted position, a socketed rod pivotally secured at one end to said hand lever, a clamp member upon the tractor clutch pedal, a solid rod pivotally secured at one end to said clamp and adapted for sliding engagement within the socket of said rod that is pivoted to said hand lever whereby said foot pedal may be depressed by foot and whereby a movement of said hand lever in a forward direction will also cause the depression of said foot pedal.

1,514,839. SELF-CLOSING VALVE. GERALD THORNHILL EDWARDS, Leicester, and ROBERT ARNOLD BLAKEBOROUGH, Brighouse, England. Filed Nov. 4, 1922. Serial No. 599,097. 3 Claims. (Cl. 137-139.)

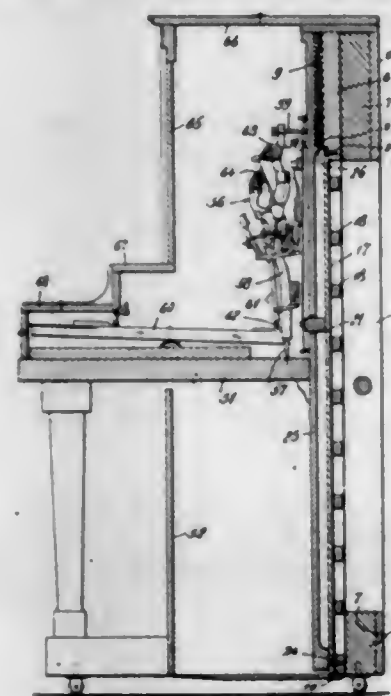
1. An apparatus for controlling the flow of liquid, comprising a main pipe having a constricted throat, a main valve controlling the flow through the said pipe, a cylinder provided with a piston for operating the said valve, a pressure distributing valve provided with an inlet

pipe connected to the said main pipe in advance of the said throat and having pressure pipes connected to the respective ends of the said cylinder, a regulator cylinder provided with a regulator pipe connecting it with the main pipe below the main valve, a regulator piston slidable in the regulator cylinder, a pivoted lever operatively connected with the regulator piston and with the pres-



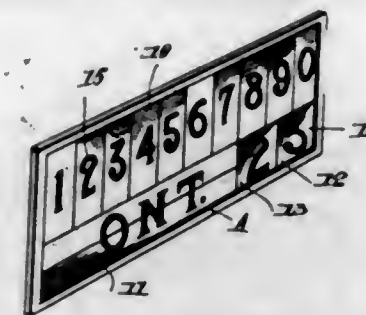
sure distributing valve, the said main valve being held open when the pressure in the said regulator cylinder is normal, and means for operating the said lever automatically when the pressure in the said regulator cylinder is diminished to a predetermined extent, thereby effecting the reversal of the pressure distributing valve and the closure of the main valve.

1,514,840. METHOD OF MANUFACTURING PIANOS. FRANK G. ERNST, New York, N. Y., assignor to Dean S. Edmonds, New York, N. Y. Filed Dec. 17, 1920. Serial No. 431,349. 24 Claims. (Cl. 84-174.)



3. The improvement in the art of manufacturing pianos, which comprises assembling the frame, sounding board and plate of a piano with the bridges and strings thereon in predetermined and exact relation with each other and with the upper edge of the frame, and thereafter planing the lateral edges to exact perpendicularity with the upper edge, the planing being gauged from a given string, whereby the relation of the strings and bridges to the lateral edges is fixed.

1,514,841. LICENSE PLATE FOR AUTOMOBILES AND THE LIKE. JOHN FRED ERICSON, Ramsey District, Alberta, Canada. Filed May 19, 1923. Serial No. 640,182. 1 Claim. (Cl. 40-125.)



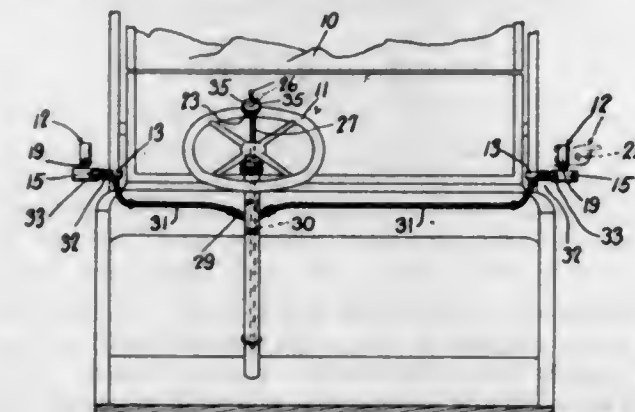
A device of the character described comprising a plate of transparent material, divided into a plurality of spaces, each space being coloured to correspond with a colour representing a digit in accordance with an arbitrary scheme, a plurality of digits of all the same colour and designed to fit separately into each of said different coloured spaces, whereby the license number of a vehicle is disclosed by the digits in the different spaces and by the colours of said spaces.

1,514,842. CUTTING TOOL. ASHRI LEO EVANS, Boston, Mass. Filed Sept. 17, 1923. Serial No. 663,259. 1 Claim. (Cl. 29-95.)



A cutting tool of the class described comprising a body having a curved recess at each edge adjacent its cutting end, to make the cutting portion of substantially T-shape, said portion having its edges beveled from front to rear to provide a lower cutting edge, a pair of curved cutting edges and short vertical cutting edges which connect the curved edges with the end edge.

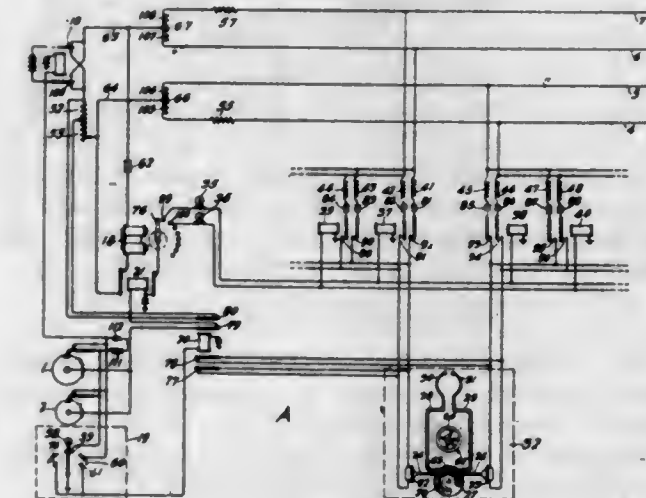
1,514,843. VEHICLE SIGNAL. FRANK X. EWALD, La Salle, Ill. Filed Feb. 20, 1920. Serial No. 360,050; 1 Claim. (Cl. 116-46.)



A traffic signal for automobiles comprising a pair of pivoted signal elements arranged upon opposite sides of the automobile, a drum fixed to each of the same, a substantially Y-shaped pipe fitting, a flexible tube leading from one pair of the branches of the pipe fitting to a point adjacent the drum, a third flexible conduit leading from the intermediate branch of the pipe fitting and

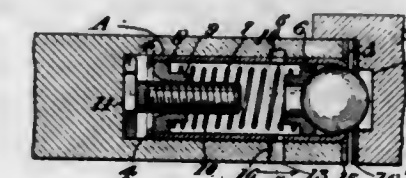
extending along the steering wheel post of the automobile to a point within reach of the operator, and a flexible element passing through the conduit and engaged with the drum, and manually operable means arranged at the upper end of the third conduit for operating the flexible element whereby to rotate the drum, and means normally urging the drum to normal position.

1,514,844. SWITCHING SYSTEM. JOSEPH C. FIELD, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 5, 1919. Serial No. 308,760. 10 Claims. (Cl. 177-386.)



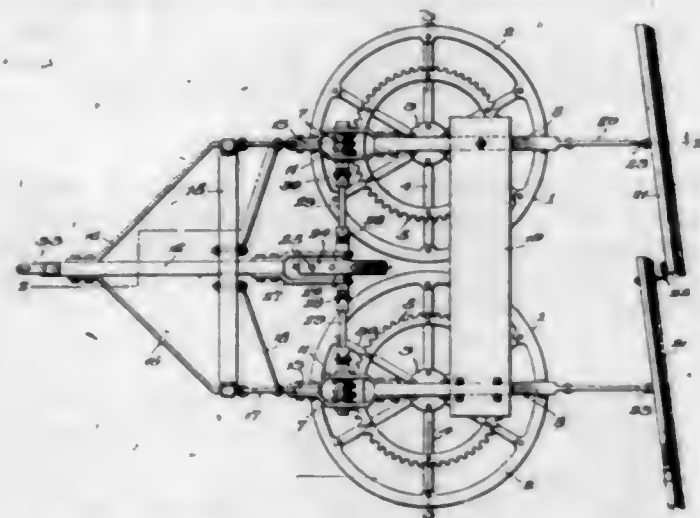
1. In a switching system, two pairs of line wires, a selecting and a plurality of way-stations associated therewith, a selector at each station responsive to impulses of current transmitted from the selecting station over a metallic circuit comprising one conductor of each pair of line wires, means at the selecting station for applying such impulses to such circuit, a plurality of detectors at each way-station, a second selecting device at each way-station normally disconnected from but adapted to be individually connected with the circuit upon the receipt by the first-mentioned selector of a predetermined series of impulses, and means controlled by said second selecting device selectively operating in response to impulses received thereafter from the selecting station to selectively bridge pairs of detectors at the selected station across the respective pairs of line wires.

1,514,845. DOOR OR WINDOW CATCH OR HOLDING DEVICE. ERNEST FISCHER, Terra Bella, Calif. Filed May 2, 1923. Serial No. 636,069. 3 Claims. (Cl. 292-75.)



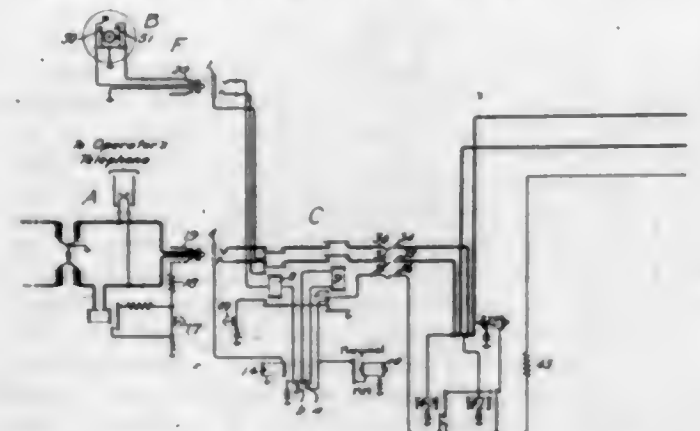
1. In a device of the class described the combination of a tubular open ended shell contracted at one end, a cylindrical check within the said shell and projecting beyond its contracted end, a pair of freely movable followers within said shell adapted one for bearing on said spherical check, a spring within the shell between the followers for separating the same, means for maintaining the other follower within the shell, said latter follower provided with a threaded bore and a headed tension screw adjustably received within said bore for extending beyond the end of the shell.

1,514,846. ROAD-GRADING MACHINE. JOHN HENRY FLATLEY, Little York, Ill. Filed Jan. 31, 1920. Serial No. 353,517. 10 Claims. (Cl. 37-108.)



1. In a road grader, in combination, a pair of revoluble grading members, each having a plurality of radially arranged road engaging blades, and means to rotate said members as the grader is drawn over the road.

1,514,847. TELEPHONE-EXCHANGE SYSTEM. CLARENCE B. FOWLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1919. Serial No. 342,341. 7 Claims. (Cl. 179-27.)



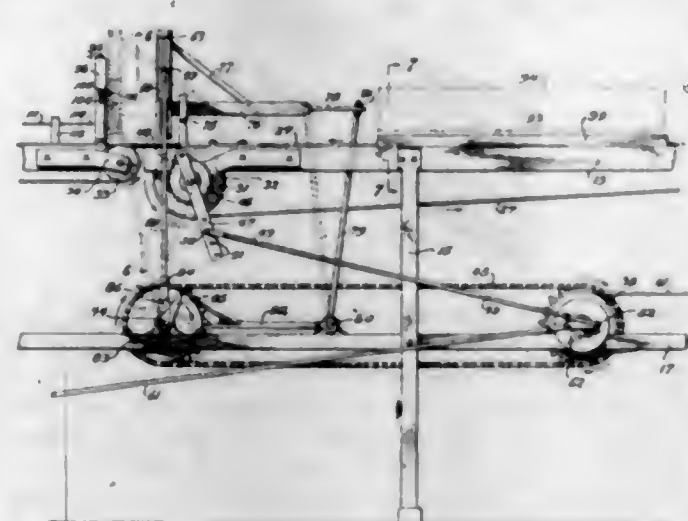
1. In a telephone exchange system, a manual telephone exchange, an automatic telephone exchange, a plurality of trunk circuits each including a pair of talking conductors and a non-talking conductor, extending between said exchanges, an impulse sending device at said manual office, means for associating said impulse sending device with an idle one of said trunk circuits, a repeater associated with said trunk circuit arranged to receive impulses from said impulse sending device over a talking conductor and to re-transmit the impulses to said automatic exchange over a non-talking conductor, and means for disassociating said repeater from said connecting circuit after said impulses have been sent.

1,514,848. ICE-CREAM-BRICK CUTTER. AMOS F. GANTZ, Woodstown, N. J. Filed Apr. 13, 1922. Serial No. 552,100. 20 Claims. (Cl. 107-4.)

1. An ice cream brick cutter including a feeding device and a discharging device; a bridge plate between the feeding and the discharging devices; a cutter disposed above the bridge plate, means for actuating the cutter vertically to sever a block and means for actuating the cutter horizontally to move the severed part onto the discharging device.

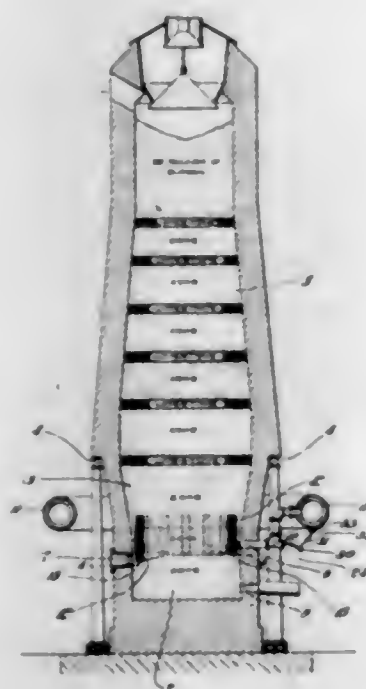
3. A cutter of the class described comprising a feeding device; a discharging device; a cutter between said devices and serving as a transfer means to move the cut

material onto the discharging device, said cutting device serving to sever the material in one direction; and an additional cutter engaging the material as passed onto the discharging device so as to sever the same in another direction; substantially as described.



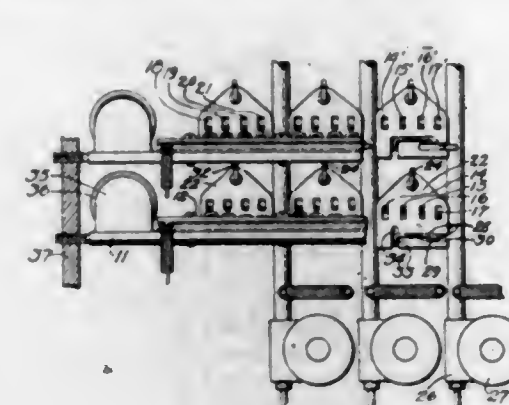
18. In a cutter of the class described, means for receiving and supporting a slab to be cut; means for advancing said slab intermittently; means for severing the slab into sections as advanced; and receiving means for the sections to discharge the same in spaced relation, said means having means for stringing the sections; substantially as described.

1,514,849. METHOD OF IGNITING BLAST FURNACES. FREDERICK H. N. GERWIG, Braddock, Pa. Filed Apr. 12, 1923. Serial No. 631,550. 6 Claims. (Cl. 266-1.)



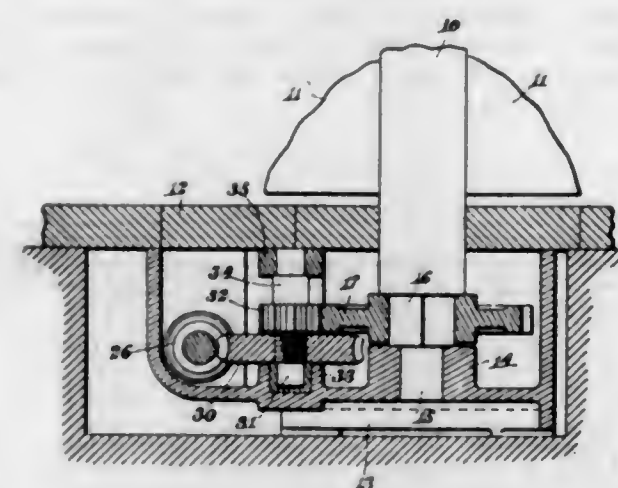
1. The method of lighting and blowing in a blast furnace, which consists in filling the furnace with coke to a point slightly below the tuyères, then providing a quantity of more readily combustible material accessible from each of the tuyères of the furnace, then continuing the filling of the furnace with a solid body of coke to approximately the top of the bosh, then filling the shaft of the furnace for a considerable height with alternate layers of limestone and coke, the coke predominating materially over the limestone in quantity, and finally adding a plurality of rounds of burden and then igniting said readily combustible material.

1,514,850. COORDINATE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 13, 1922. Serial No. 552,222. 10 Claims. (Cl. 179-27-5.)



1. In a switching mechanism, rotatable members, sets of conducting elements arranged in parallel on said members, sets of flexible conductors arranged on stationary supports and in rows coordinate to said sets of conducting elements, an operating card for each set of said flexible conductors, means for selectively establishing connections between said sets of elements and said sets of conductors through the movement of said cards, and means in said cards for holding said flexible conductors in adjusted position with reference to said elements.

1,514,851. SPEED CONTROL FOR REVOLVING DOORS AND THE LIKE. FRANK L. GORMLEY, Brookline, Mass. Filed Jan. 21, 1924. Serial No. 687,581. 10 Claims. (Cl. 20-18.)

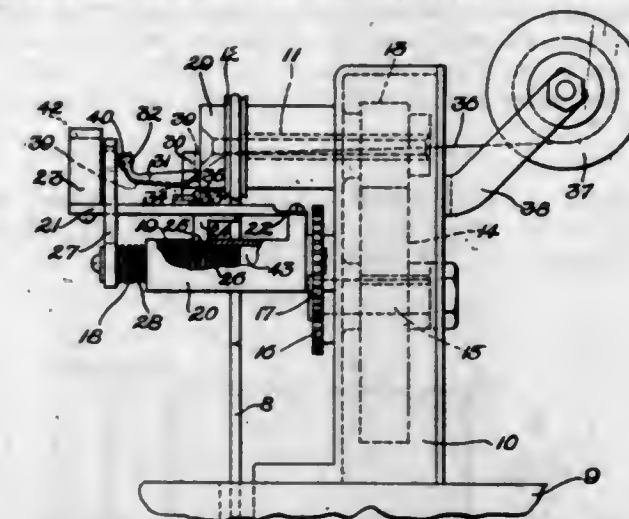


1. The combination of the rotatable spindle of a revolving door; a hidden support for said spindle below said door; a member secured to and rotatable with said spindle, said member being located between said support and lower edge of said door, and a speed controlling device actuated by said member.

1,514,852. WIRE OR THREAD WHIPPING MECHANISM. HANS HENRIK CHRISTIAN GRONDAHL, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1923. Serial No. 682,868. 18 Claims. (Cl. 242-7.)

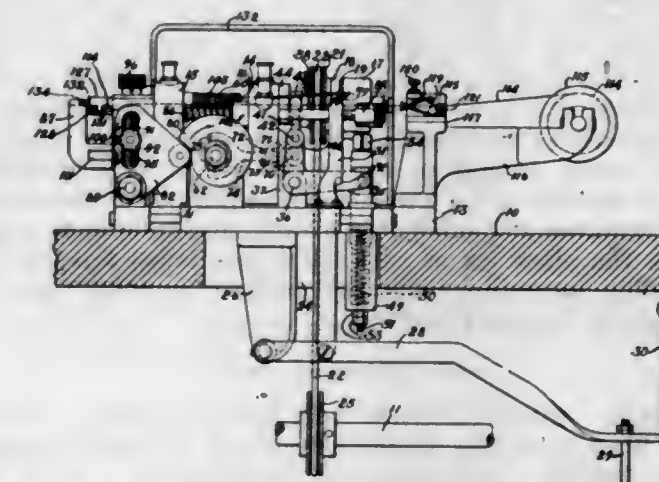
1. In a mechanism for whipping a core with a strand, means for whipping the strand around the core, a core support, actuating mechanism for moving said support,

said core support adapted to be moved into and out of engagement therewith, and means adapted upon the re-



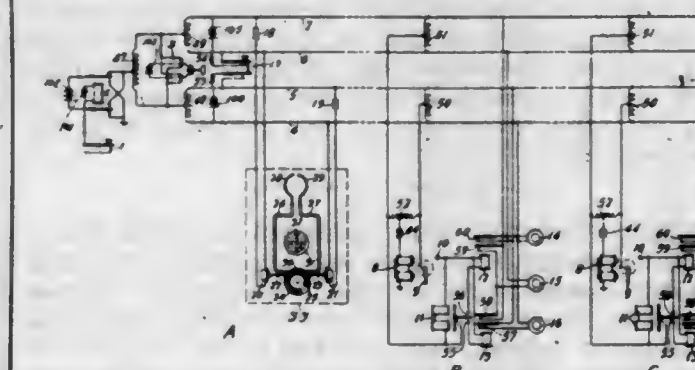
turn of said support to its normal position to establish the original relation between the support and the whipping means.

1,514,853. WIRE OR THREAD WHIPPING MECHANISM. CARL ODENWALD HAASE, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 7, 1923. Serial No. 643,864. 21 Claims. (Cl. 242-7.)



1. In a mechanism for whipping the ends of cords with wire, means for whipping the wire about the end of the cord, a support for the cord adapted to be stepped back during the whipping operation to cause the wire to be whipped about the cord in a spiral formation, and means mounted angularly upon said support for forming a loop in the end of the wire and holding it during the whipping operation.

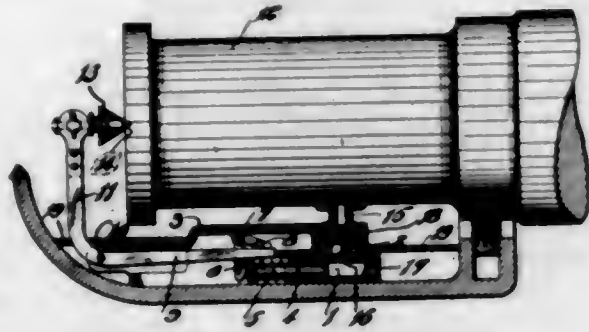
1,514,854. SWITCHING SYSTEM. JOHN B. HARLOW, Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 5, 1919. Serial No. 308,756. 12 Claims. (Cl. 177-386.)



1. In a switching system, a line conductor, a selecting and a selectable station associated therewith, switching means at said selectable station, means at said selecting

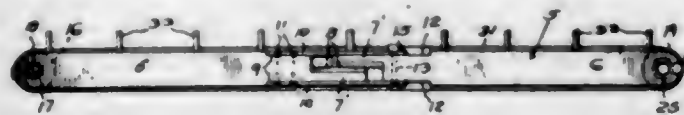
station for energizing said switching means, additional switching means at said selectable station controlled by the operation of said first-named switching means, and means whereby said second-named switching means may be selectively connected with said line conductor after the operation of said first-named switching means.

1,514,855. LUBRICATOR. JAMES J. HENNESSY, New York, N. Y. Filed Dec. 29, 1922. Serial No. 609,670. 6 Claims. (Cl. 64—24.)



1. In a railway journal lubricator, a body adapted to be positioned beneath a journal and forming a horizontal pump cylinder, a discharge passage and a housing extending outwardly from said cylinder and located above the axis of the latter, a piston in said cylinder, a bell crank pivoted to the undersurface of the top of said housing with a vertical leg engaging the outer end of said piston, a bell crank pivoted to the outer end of said housing with a horizontal leg extending inwardly of the housing and engaging the other leg of the first-mentioned bell crank, the other leg of said latter mentioned bell crank extending upwardly above said body at a point remote from said discharge passage.

1,514,856. EGG-TURNING INCUBATOR TRAY. JOHN N. KISER, Delphos, Kans. Filed Aug. 6, 1924. Serial No. 730,501. 2 Claims. (Cl. 119—44.)

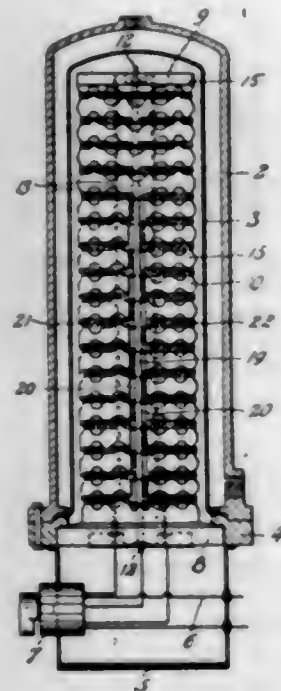


1. An egg turning tray for incubators, comprising a pair of frame sections, embodying longitudinal beams having overlapping tongues, coacting serrated plates carried by the tongues, strap-irons secured to one set of longitudinal beams and having elongated slots, clamping bolts carried by the other set of beams and extending into the slots, rolls carried by the outer ends of the frame sections, an endless belt supported by the rolls, means to drive one roll, and transverse egg stop elements extending above the belt and connected with the frame sections.

1,514,857. FIRE BAR FOR ELECTRIC WATER HEATERS. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed July 27, 1923. Serial No. 654,178. 4 Claims. (Cl. 219—38.)

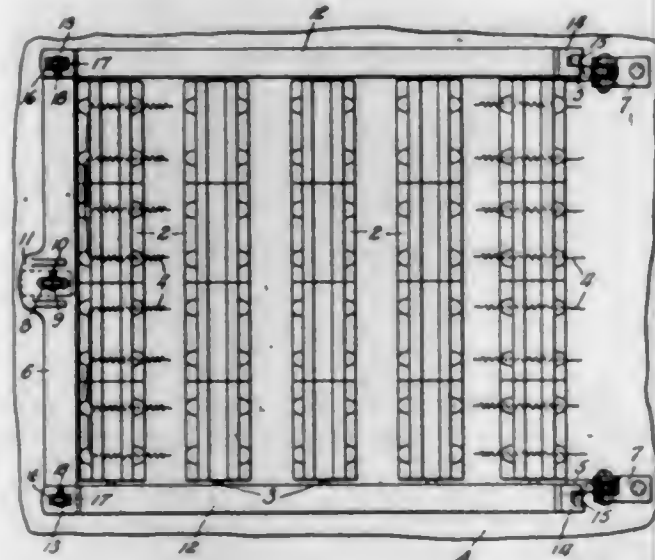
1. A support of refractory insulation material for the resistance of an electric fire bar comprising a disc, a flange formed on the periphery of the disc parallel with a plane at right angles to its axis, the flange being

terminated to provide a short intervening space between its ends, and a lug formed on the disc longitudinally of its axis in said space equidistant of the ends of said flange, said disc being adapted to have resistance wire laid



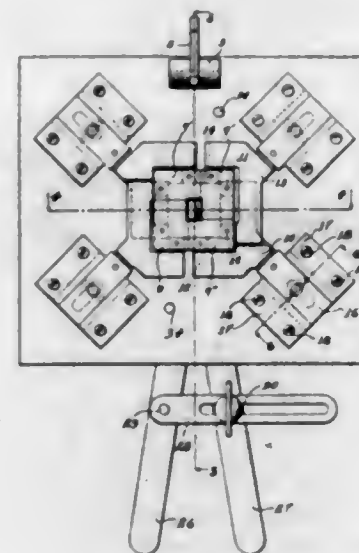
against a surface of said flange transverse of the axis of the disc and turned around one end of the flange in one direction adjacent said lug and away from the opposite end of the flange in the opposite direction.

1,514,858. HINGED OVEN BURNER. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Filed July 27, 1923. Serial No. 654,179. 8 Claims. (Cl. 219—35.)



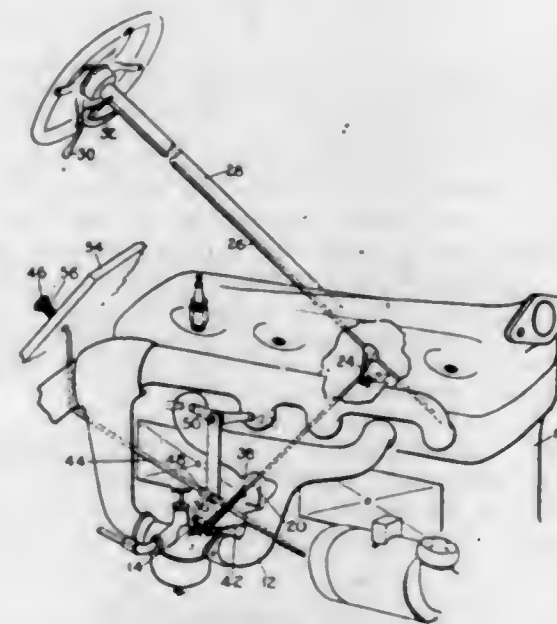
1. In a heater element of the class described including fire bars and resistances winding thereon, a pair of lateral parallel straps hinged to an oven structure and connected by a forward cross member, a plurality of spaced transverse rails for supporting the fire bars and connected to said straps, and means for securing the heater element to said oven structure at the end opposite to that which is hinged thereto.

1,514,859. CASTING MACHINE. FERDINAND E. MENZ, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 6, 1921. Serial No. 498,717. 9 Claims. (Cl. 22—122.)



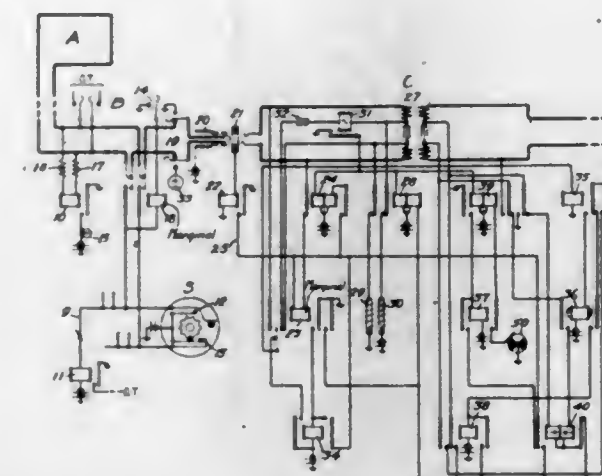
1. In a device for imbedding articles in cast metal, in combination, means for fixing the position of the article to be imbedded, a plurality of movable mold walls, and means for moving said walls into positions substantially surrounding the article.

1,514,860. ACCELERATOR MECHANISM. GEORGE G. PEARCE, New Bedford, Mass. Filed Aug. 6, 1923. Serial No. 655,918. 7 Claims. (Cl. 74—39.)



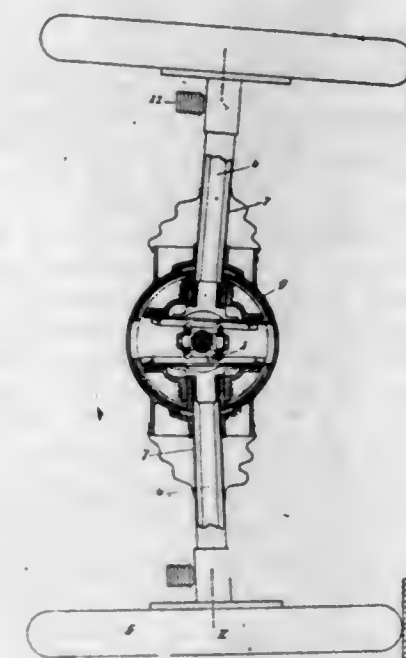
1. Accelerator mechanism for internal combustion motors comprising a throttle arm, a flexible member positively connected to said arm, a foot actuated slidable push rod for actuating the arm through the flexible member, independent hand control mechanism for said throttle arm, said mechanism comprising a solid rod, a member slidable on the rod and swivelled to said throttle arm, means on the rod to engage the slidable member to actuate the throttle arm positively in one direction, and yieldable means directly engaging the slidable member to allow said throttle arm to be actuated independently by said push rod.

1,514,861. TELEPHONE-EXCHANGE SYSTEM. ARTHUR RAYNSFORD, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,765. 10 Claims. (Cl. 179—27.)



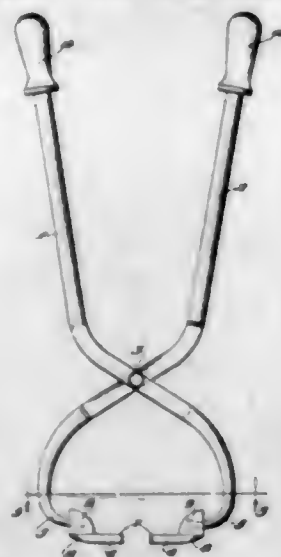
1. In a telephone exchange system, a trunk circuit divided into inner and outer sections, a repeating coil for uniting said sections inductively, a cord circuit connected with the inner section, an impulse sender, means responsive to the initial actuation of said impulse sender for connecting said impulse sender to said cord circuit, automatic switches accessible to the outer section of said trunk, and means for repeating impulses received over a portion of one of the talking conductors of the inner section to the outer section for operating said switches.

1,514,862. REAR-AXLE DRIVE FOR MOTOR VEHICLES. EDMUND RUMPLER, Goggingen, Germany. Filed Mar. 26, 1921. Serial No. 455,857. 9 Claims. (Cl. 180—73.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



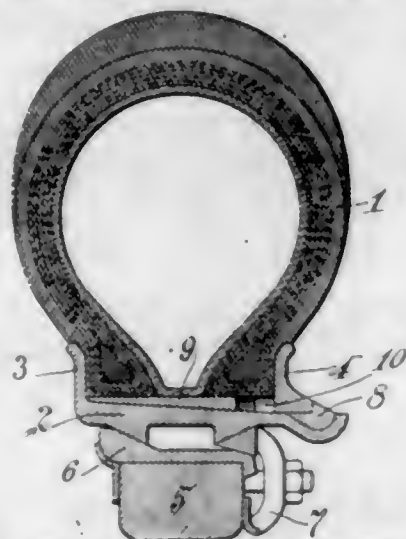
1. Rear wheel drive for motor vehicles, including in combination with a drive shaft extending longitudinally of the vehicle, two half-axes, supporting members in which the half-axes are free to revolve, a casing surrounding the drive shaft for housing the connection between the latter and the half-axes and means on the said casing and the supporting members for prescribing for the latter a limited circular path of movement about the drive shaft.

1,514,863. WEED PULLER. JOHN JOSEPH RYTTELL, Glens Falls, N. Y. Filed Apr. 17, 1923. Serial No. 632,698. 2 Claims. (Cl. 155-148.)



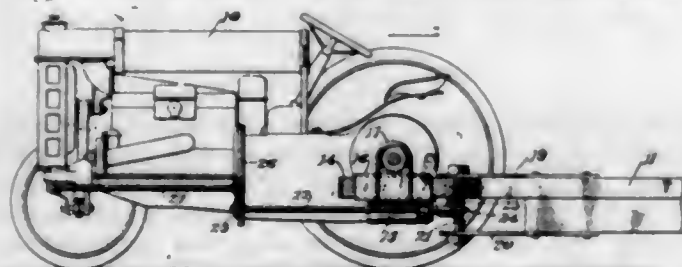
1. In a weed puller, comprising a pair of handles pivotally connected together, hand grips formed upon the upper ends of each of said handles, the lower ends of said handles being bent at right angles and adapted to be on a horizontal plane and weed engaging jaws having openings therein for receiving the horizontal bent portions of said handles.

1,514,864. RIM FOR VEHICLE TIRES AND WHEELS. WILLIAM A. SHULER, New Orleans, La. Filed Nov. 29, 1920. Serial No. 426,914. 1 Claim. (Cl. 301-11.)



The combination with a rim adapted to receive a tire and having flanges at its edges to retain said tire thereon, one of said flanges being removable, of a circular band of relatively thin material extending about said rim to support said tire out of contact with said rim, said band having recesses adjacent to said removable flange to receive a tool by means of which said band may be laterally removed from said rim.

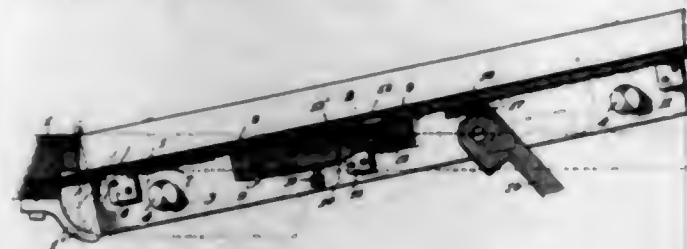
1,514,865. DRAWBAR ATTACHMENT FOR TRACTORS. FRANKLYN J. SILVA, Oakland, Calif., assignor to Moses M. Kahn, San Francisco, Calif. Filed Jan. 17, 1923. Serial No. 613,140. 13 Claims. (Cl. 280-33.12.)



1. Means for adapting a tractor of the type mentioned to duty as traction means for two-wheeled trailers, comprising means included in the drawbar of the drag and

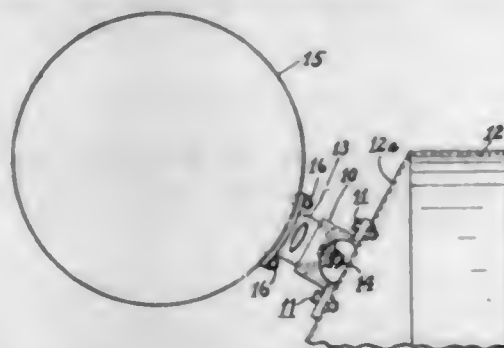
bearing on the frame of the tractor at the center of the rear wheels thereof, and other means connecting the drawbar of the trailer to the frame of the tractor in a manner whereby the pulling strain will be distributed over the entire frame of the tractor.

1,514,866. ATTACHMENT FOR VAULT DOORS. NOBLE Z. SMITH, Peoria, Ill. Filed Apr. 17, 1922. Serial No. 553,412. 9 Claims. (Cl. 100-3.)



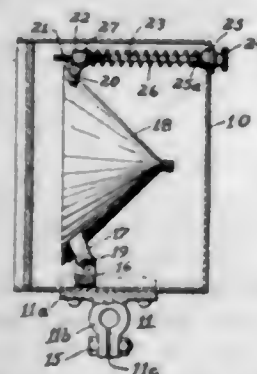
1. In combination with the mounted door of a vault and the door-jamb, of mechanism movable in and during the act of moving the door to its closed position, the same adapted to engage at one end a relatively immovable part during said act whereby to carry the other end of said mechanism between the door-jamb and an edge of the door for preventing entirely closing the latter.

1,514,867. HEADLIGHT SUPPORTING BRACKET. ANDRES SOLOSABAL, Boise, Idaho, and LLOYD G. RIPPET, Los Angeles, Calif. Filed July 20, 1922. Serial No. 576,200. 4 Claims. (Cl. 240-57.)



1. As a means for mounting lamps on vehicle fenders, the combination of a convex cup member, a concave cup member, each of said members having a cylindrical tubular extension from its cup portion provided with attaching lugs, and each of said members having a side opening and bottom opening through its cup portion, and a bolt connection through said bottom openings securing the cup portions of said members together, said bottom openings clearing said bolt connection to permit rocking movement of said members relatively to each other for adjustment purposes, and said side openings permitting manipulation of said bolt connection.

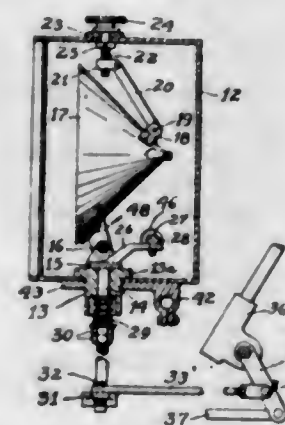
1,514,868. HEADLIGHT FOR MOTOR VEHICLES. ANDRES SOLOSABAL, Boise, Idaho, and LLOYD G. RIPPET and FRANK THURBER, Los Angeles, Calif. Filed Sept. 25, 1922. Serial No. 590,258. 1 Claim. (Cl. 240-41.)



In a headlight, the combination of a casing, a first yoke extending transversely of the casing on its inner surface and secured to said casing and having end ears projecting towards the central portion of the casing, a

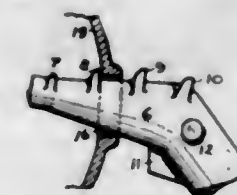
reflector in the casing, a second yoke extending transversely of the reflector on its outer surface and secured to the reflector and having end ears projecting outwardly from the reflector adjacent the ears on said yoke, pivotal connections each connecting adjacent ears of said yokes, and tilting devices comprising a block pivotally connected to said reflector and a screw threaded through said block and extending through said casing.

1,514,869. DIRIGIBLE MECHANISM FOR HEADLIGHTS. ANDRES SOLOSABAL, Boise, Idaho, and LLOYD G. RIPPET, Los Angeles, Calif. Filed Sept. 25, 1922. Serial No. 590,259. 4 Claims. (Cl. 240-41.)



1. In a headlight, the combination of a casing, a vertical pivot member extending through the lower portion of the casing and adapted for operating connection with the steering devices of a motor vehicle, a reflector in said casing, a hinge connection between said reflector and said pivot member permitting a rocking movement of said reflector vertically on said pivot member, and a vertical pivot connection between the upper portion of said reflector and said casing including manually operable devices for moving the axis of the reflector upwardly or downwardly as desired in a vertical plane through said vertical pivot member and said vertical pivot connection, whereby angular movement of said vertical pivot member automatically by steering devices of a vehicle correspondingly moves said reflector angularly in a horizontal plane and movement of said manually operable devices moves said reflector angularly in a vertical plane on said hinge connection.

1,514,870. HOSE NOZZLE. CHARLES SPAETH, Cleveland, Ohio, assignor, by mesne assignments, to The Marvel Equipment Company, Cleveland, Ohio, a Corporation. Filed Feb. 21, 1922. Serial No. 538,265. 8 Claims. (Cl. 226-129.)



1. A hose nozzle, comprising a rigid tubular member having a longitudinal row of spaced upwardly projecting lugs on the top thereof, the first of said lugs being adjacent the discharge end of said member, each succeeding lug in said row extending a greater distance from the axis of said tubular member than the preceding lug.

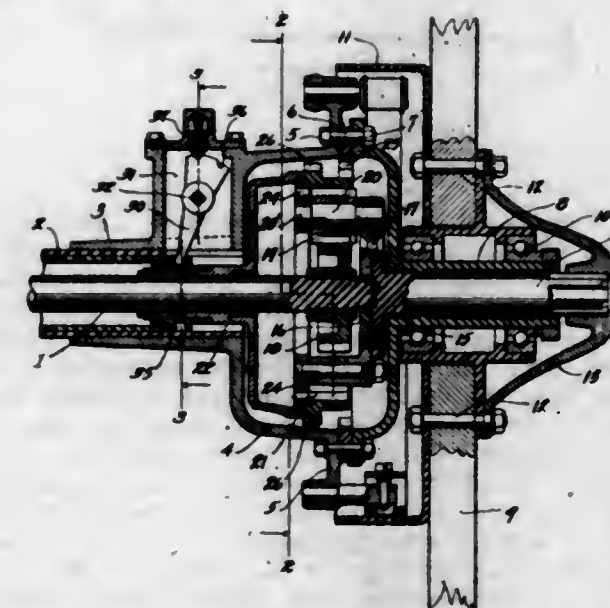
1,514,871. SWIVEL FOR WELL-DRILLING APPARATUS. JOHN B. SPERRY, Aurora, Ill., assignor to The American Well Works, Aurora, Ill., a Corporation of Illinois. Filed Feb. 27, 1924. Serial No. 695,608. 7 Claims. (Cl. 255-25.)

1. A swivel device comprising in combination a hollow head, a shackle or ball pivotally connected with opposite sides of said head, a rotatable stem centrally

located in said head, two sets of anti-friction bearings located one above the other and interposed between said head and stem, each set comprising a plurality of tapered rollers with the larger ends of the rollers of one set uppermost and the larger ends of the rollers of the other set lowermost, and means for simultaneously adjusting a member of each of said sets of bearings.



1,514,872. VEHICLE DRIVING GEAR. CHARLES E. STARR, Oakland, Calif. Filed Aug. 20, 1921. Serial No. 493,915. 7 Claims. (Cl. 74-7.)

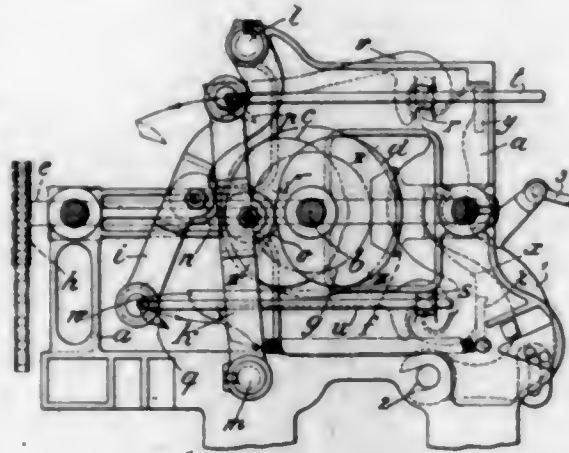


1. The combination with a non-rotatable axle housing, a vehicle wheel, and a driving shaft within the housing, of a sun gear fixed on said shaft, planet gears supported revolubly in fixed relation to the wheel and in mesh with said sun gear, a ring gear mounting journaled on the driving shaft, a ring gear on said mounting and meshing with said planet gears, and means for optionally shifting said ring gear into fixed relation with the housing to prevent its rotating and to effect planetation of the planet gears, or into fixed relation with the wheel to effect a direct driving connection between the driving shaft and the wheel.

1,514,873. DOBBY MECHANISM. HERMANN STAUBLI, Horgen, Switzerland. Filed Aug. 28, 1923. Serial No. 659,819. 6 Claims. (Cl. 139-71.)

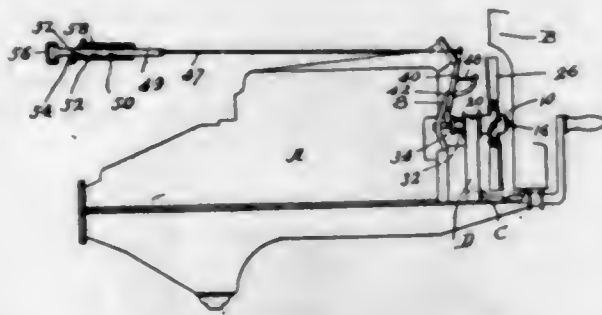
1. In a dobbie mechanism the combination of two pairs of levers each of which is supported pivotally at one

end on the machine framing, with two grill bars each of which is carried by the free ends of one of said pairs of levers, means for imparting opposite rocking move-



ments to said pairs of levers, and means for maintaining said grill bars constantly in a determined position during and after said rocking movements.

1,514,874. ADJUSTABLE FAN. LOUIS R. STREET, Independence, Mo. Filed Jan. 19, 1923. Serial No. 613,610. 4 Claims. (Cl. 170-163.)



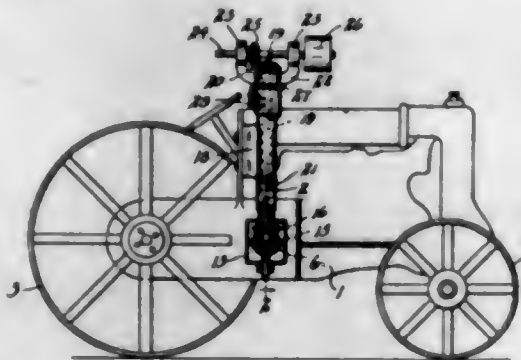
4. In a device of the character described a stationary spindle, a tubular member mounted thereon, a plurality of fan blades mounted upon said tubular member and capable of adjustment to neutral or reverse positions, cranks arranged within the tubular member and fixedly associated with the respective blades, connecting rods rotatable with the tubular member and extending into the same to actuate said cranks and cause the same to adjust the blades to neutral or reverse positions, a rotary annulus to which the outer ends of said connecting rods are connected, a disk slidable upon the spindle and upon which said annulus is mounted, a lever for adjusting said disk longitudinally of the spindle to effect the operation of said connecting rods, resilient means tending to move said lever in one direction, and manually controlled means for moving said lever in the opposite direction.

1,514,875. ELECTRIC VACUUM CLEANER. GEORGE J. STRINGER and LESLIE L. NEWCOMBE, Bay City, Mich. Filed Mar. 15, 1924. Serial No. 699,425. 7 Claims. (Cl. 183-31.)



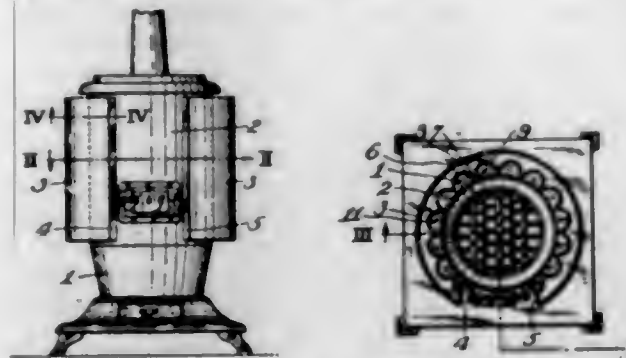
1. A dust bag for vacuum cleaners having a guard secured therein, a discharge opening beneath the guard and means for securing a flexible sack thereto.

1,514,876. POWER TAKE-OFF FOR FORDSON TRACTORS. CLARENCE R. SUNDBOOM, St. Paul, Minn. Filed June 11, 1923. Serial No. 644,588. 8 Claims. (Cl. 74-7.)



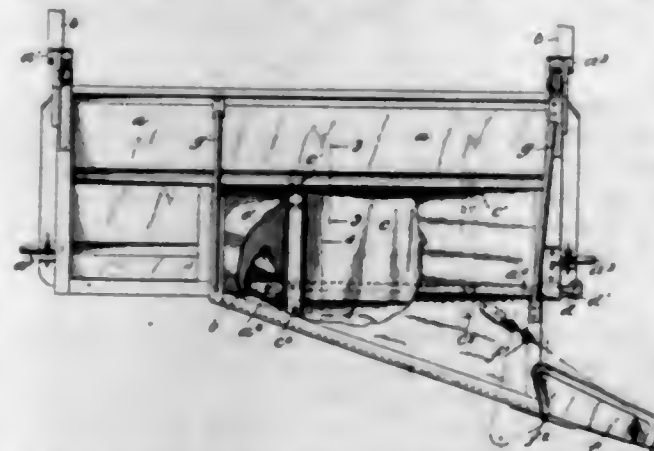
1. The combination with a Fordson or other tractor having a power shaft projecting from the side thereof, of a bracket surrounding said shaft and secured to the side of the tractor, a bearing secured to said bracket, a shaft journaled in said bearing, means connecting the ends of said shafts, said bearing being adjustable into a plurality of different circumferential positions whereby said last mentioned shaft can extend at various angles at each side of the vertical, and a third shaft extending at right angles to said second mentioned shaft and movable about the axis thereof for transmitting power therefrom.

1,514,877. HEAT EXCHANGER. CHARLES F. SUTER, Indianapolis, Ind. Filed Nov. 17, 1921. Serial No. 515,944. 10 Claims. (Cl. 257-241.)



3. A heat exchanger including an exchanger wall having a plurality of groove-like channels in one side and a plurality of groove-like conduit portions in the opposite side thereof, the channels having less width than the conduit portions and the bottom of each channel having a longitudinal slit therein.

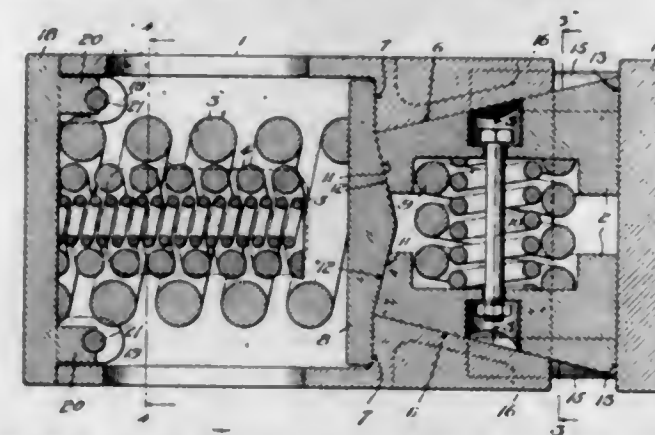
1,514,878. TAIL GATE. JAMES F. SWEENEY, Pittsburgh, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 26, 1921. Serial No. 464,660. 2 Claims. (Cl. 298-7.)



1. In a tilting dump body, a hinged tail gate having a trap door therein and a discharge chute formed thereon with one end disposed under the trap door and

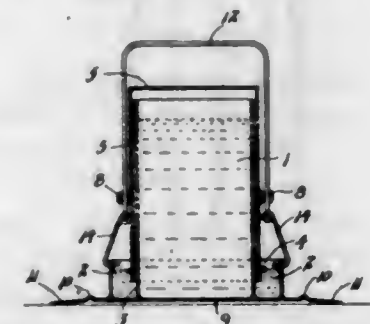
whereof the floor extends downwardly and transversely of the body and terminates at one side thereof, said floor in the longitudinal direction of the body being disposed at an angle with respect to the floor of the body substantially equal to the dumping angle thereof.

1,514,879. SHOCK-ABSORBING MECHANISM. WILSON E. SIMONS, New York, N. Y. Filed Dec. 27, 1922. Serial No. 609,180. 4 Claims. (Cl. 213-26.)



1. In a shock absorbing mechanism, the combination with a casing which is open at opposite ends and is formed interiorly with oppositely disposed stop shoulders, of a follower normally seated upon said shoulders, friction elements engaging and adapted to actuate said follower and normally projecting outwardly beyond the end of said casing, a spring seated upon said follower and an end cap for said casing against which said spring bears, and a plurality of keys for securing said end cap to said casing, said cap being provided on its inner face with a plurality of perforated lugs extending into said casing exteriorly of said springs, and each of said keys extending through a plurality of said lugs.

1,514,880. SANITARY DRINKING FOUNTAIN. BEN J. TRYNER, Le Roy, Minn., assignor of one-half to Merrell E. Bowers, Le Roy, Minn. Filed May 31, 1923. Serial No. 642,438. 3 Claims. (Cl. 119-77.)

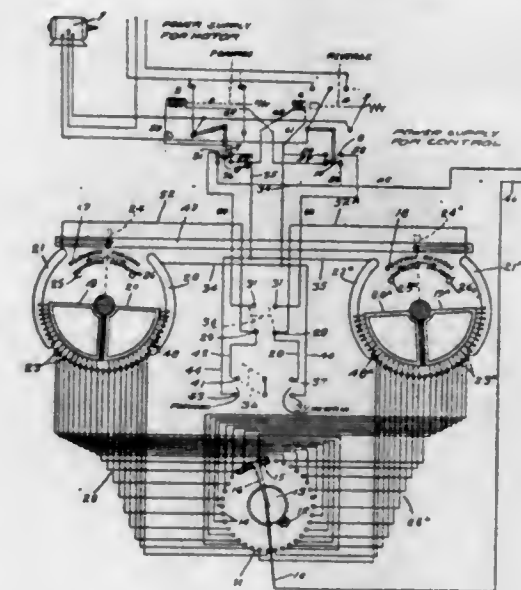


1. A sanitary drinking fountain for poultry comprising a cylindrical container having an open upper end, a cup surrounding said container and of comparatively small height, a cylindrical member disposed over said container and connected thereto, said container having an opening adjacent its bottom into said cup, and a ball handle member having means engaging said member to steady the same, said handle having means engaging said cup for supporting the same, whereby the device can be carried by said handle.

1,514,881. AUTOMATIC REVERSING CONTROL. GEORGE S. VAN NORMAN, Detroit, Mich. Filed Nov. 20, 1920. Serial No. 425,536. 10 Claims. (Cl. 172-240.)

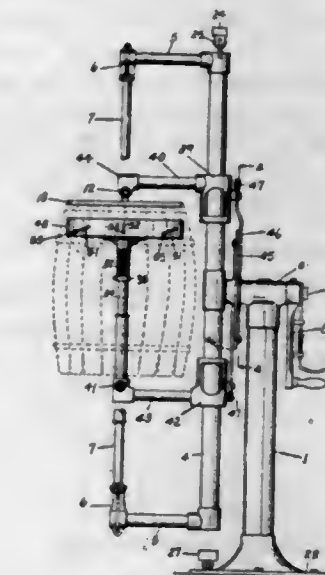
7. The combination with an oscillating member, and means for driving the same in opposite directions, of electro-magnetic means for controlling the reversal of said member, including a switch having relatively movable

contacts, one of said contacts being positively driven in timed relation to said oscillating member, and a controller electrically connected to said contacts in such a manner that said oscillating member is automatically



reversed after a predetermined movement thereof, said controller being manually adjustable to vary the amount of movement of said oscillating member before the automatic reversal thereof.

1,514,882. FRUIT AND VEGETABLE PACKING MACHINE. DWIGHT W. WADSWORTH, Fennville, Mich. Filed Feb. 11, 1924. Serial No. 692,199. 30 Claims. (Cl. 226-17.)



20. In a structure of the class described, the combination of a frame provided with a spindle, a barrel support slidably mounted on said frame, a tray support slidably mounted on said frame in opposed relation to said barrel, means for actuating said barrel and tray supports comprising a tubular shaft embracing said spindle and having crank arms thereon, and link connections for said crank arms to said supports.

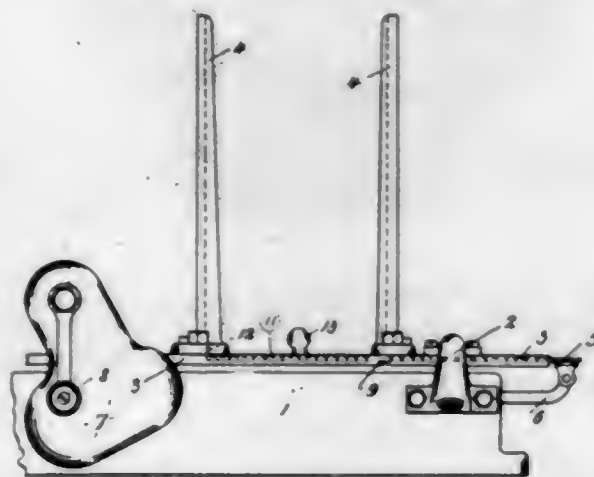
21. In a structure of the class described, the combination of a barrel support comprising a tilting base, and a barrel clamping band mounted for pivotal and vertical adjustment.

28. In a structure of the class described, the combination of a rotatable frame, a barrel support carried thereby, a tray support slidably mounted on said frame in opposed relation to said barrel support and comprising a tray supporting shaft, a tray supporting head provided with a plurality of annularly disposed key-hole slots, and a demountable tray comprising a bottom member pro-

vided with headed studs engageable and disengageable with said key-hole slots by rotative movement of the tray.

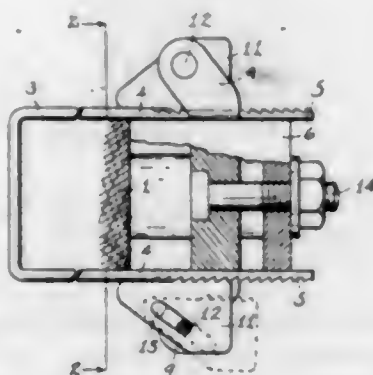
30. In a structure of the class described, the combination of a rotatable frame, a barrel support carried thereby, a tray support slidably mounted on said frame in opposed relation to said barrel support and comprising a tray supporting shaft, a tray supporting head, and a demountable tray.

1,514,883. ADDRESSING OR LIKE PRINTING MACHINE. LOUIS M. BARMAN, Holborn, London, England, assignor to Roneo Limited, London, England, a British Company. Filed Aug. 9, 1921. Serial No. 490,953. 3 Claims. (Cl. 192-126.)



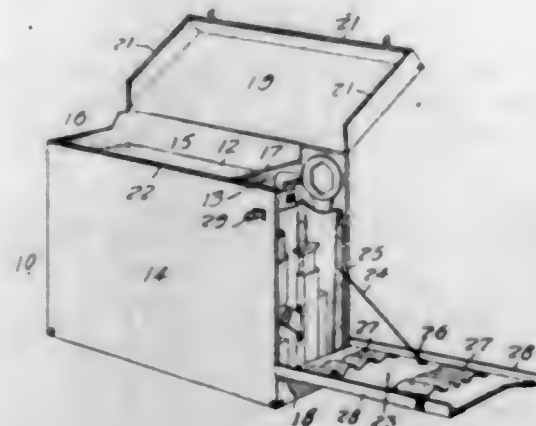
1. In a card or stencil feeding device in which cards or stencils are fed consecutively from the underside of a stack comprising means for maintaining a vertical stack of cards or stencils, a reciprocating pusher for engagement with the lower card or stencil of the stack, and a member which normally rests upon the uppermost card or stencil of the stack, the same aligning with the pusher when the last card or stencil of the stack has been removed and in the absence of a card or stencil, preventing movement of the pusher.

1,514,884. FORM CLAMP. MYRON C. BAXTER, Kalamazoo, and CARL E. YOUNG, Galesburg, Mich. Filed Mar. 20, 1924. Serial No. 700,538. 8 Claims. (Cl. 25-131.)



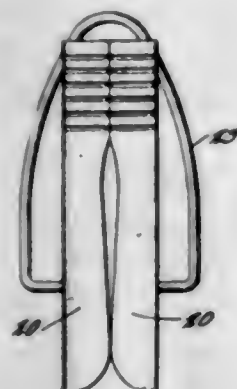
1. A form clamp comprising a looped tie member having outwardly facing serrations in its arms, a U-shaped clamp member, a jaw carrier slidably disposed between the arms of said clamp member, said jaw carrier having projecting slotted arms through which the arms of the tie member are disposed, toothed clamping jaws disposed in said slotted arms and provided with outwardly inclined slots, said arms having pins engaging said slots whereby the jaws are pivotally and slidably supported, and an adjusting bolt for said jaw carrier disposed through the end of said clamp member.

1,514,885. MOTOR-VEHICLE TRUNK. FREDERICK A. BIGLER, Chippewa Falls, Wis. Filed Mar. 14, 1924. Serial No. 699,307. 1 Claim. (Cl. 190-19.)



A motor vehicle trunk, comprising stationary front and rear panels, an end wall and a partition wall spaced from one end thereof, providing a tool compartment, a hinged end wall adapted to fit and enclose the tool compartment, a pair of angled plates secured to said hinged end wall adapted to engage the outer sides of said front and rear panels and limit inward movement of said end wall, the upper edges of said end walls and front panel and the co-acting edges of the cover being provided with mating ridges and grooves and a plurality of pockets or other fastening devices for tools arranged within and on all four sides of said tool compartment.

1,514,886. CLOTHESPIN. JAMES W. BOWERS, Pearl-ington, Miss. Filed Oct. 22, 1923. Serial No. 670,093. 2 Claims. (Cl. 24-137.)

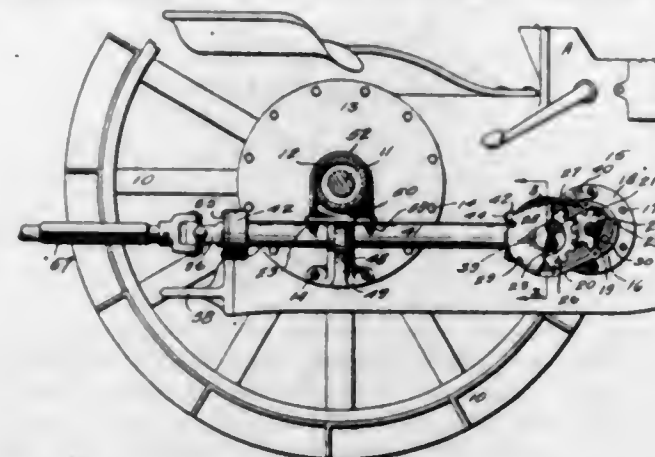


2. In a clothes pin, a body portion including spaced leg members, a split ring member, said body portion having grooves and openings, said split ring member being positioned in the grooves and opening to removably secure the ring member to the body portion, and a portion of the ring member adapted to extend beyond one end of the body portion.

1,514,887. DRIVING CONNECTION FOR CORN PICKERS AND THE LIKE. ISAAC BRANDT, Boxholm, Iowa. Filed May 5, 1924. Serial No. 711,001. 3 Claims. (Cl. 74-7.)

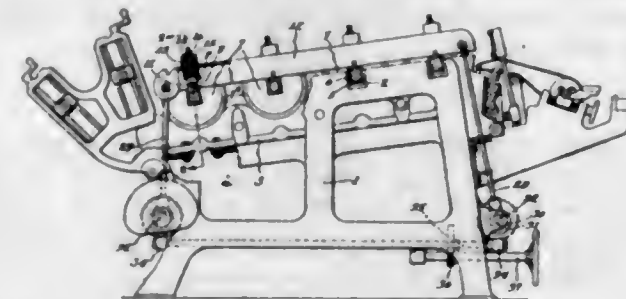
1. A drive connection for a tractor and a farm implement including a casing mounted on a tractor adjacent the pulley drive shaft thereof, a gear in said casing operatively driven from the pulley drive shaft of the tractor, a shaft journaled in said casing for said gear, a bevel gear on said shaft, a drive shaft housing secured to said casing at one end, means for connecting the drive shaft housing to the rear axle housing of the tractor, a

drive shaft in said last housing, a bevel gear on said last drive shaft mounted within the casing in mesh with said first bevel gear, said first bevel gear being slid-



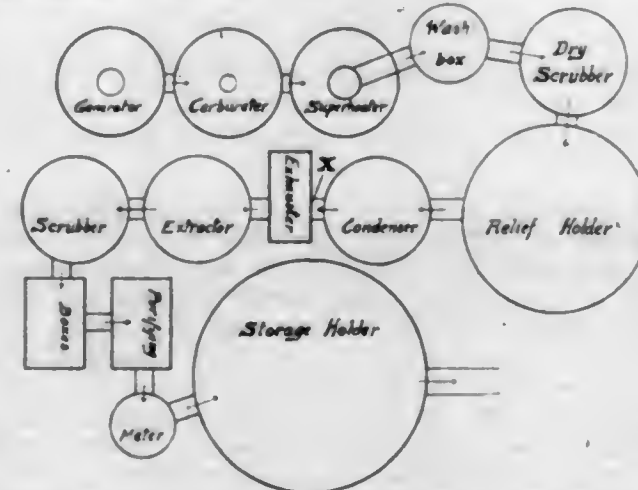
ably but non-rotatably mounted on its shaft, a sleeve on said shaft for retaining said last bevel gear against sliding movement as and for the purposes stated.

1,514,888. IRONING MACHINE. BLUFORD W. BROCKETT, Cleveland Heights, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 5, 1922. Serial No. 549,786. 3 Claims. (Cl. 68-9.)



1. In an ironing machine, the combination of an ironing member, a presser roll above said member, said roll being of a weight not in excess of that required to exert ironing pressure; and means for applying pressure to said roll.

1,514,889. PROCESS OF PURIFYING COMBUSTIBLE GAS. RALPH L. BROWN and WILLIAM W. ODELL, Pittsburgh, Pa. Filed Mar. 31, 1923. Serial No. 629,218. 9 Claims. (Cl. 183-114.)



1. In the manufacture of combustible gas containing gum forming or resin forming constituents, a process for removing the gum forming and resin forming constituents from the gas consisting in introducing into said gas prior to its complete cooling an oxygen bearing gas in sufficient quantities to promote the gum forming and resin forming chemical reactions, the volume of

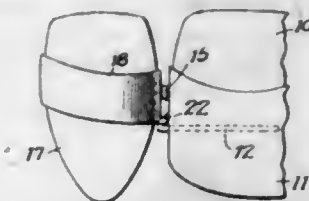
the introduced oxygen (O_2) being less than five per cent of the volume of said gas, retaining this gaseous mixture until said reactions occur and subsequently scrubbing said gaseous mixture and removing said reaction products thereby, substantially as described.

1,514,890. INHALER. WILLIAM C. K. BUCHANAN, Chicago, Ill. Filed Aug. 18, 1919. Serial No. 318,084. 10 Claims. (Cl. 128-200.)



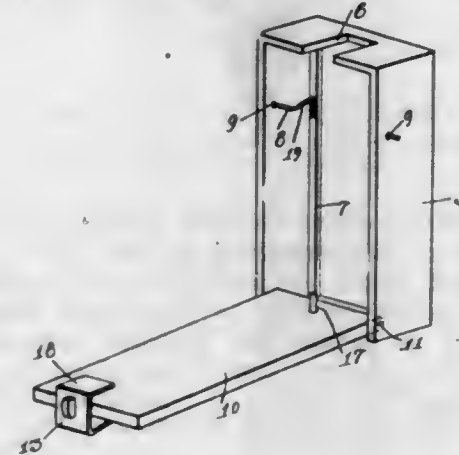
1. In a device of the class described, the combination of a receptacle for containing the liquid to be vaporized, reentrant tubes projecting towards each other from opposite ends of said receptacle forming an open passageway for air through said receptacle, said tubes retaining said liquid in the receptacle without spilling for any position of said receptacle, and devices for closing said tubes, said devices comprising a rod extending through said tubes and having right hand and left hand threads on its end portions, valve disks threaded to fit said threaded end portions, and transverse flanges extending inwardly from said tubes to form seats for engaging said valve disks.

1,514,891. DENTAL BRIDGE ANCHOR. WARD L. BURGARDNER and EUGENE H. HALL, Columbus, Ohio. Filed Dec. 6, 1923. Serial No. 679,003. 4 Claims. (Cl. 32-12.)



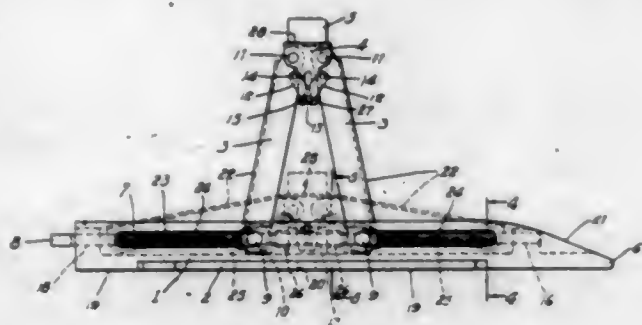
1. A bridge connection for artificial dentures including a vertically slotted anchor member, and a bridge connecting plate having a tongue upstanding and movable in said slot in the plane of the anchor member, said tongue and the lower portion of said anchor member having opposing cross bars for the purpose described.

1,514,892. BILL FILE. GEORGE LEWIS BURGESS, Goodland, Ind. Filed May 3, 1920. Serial No. 378,488. 3 Claims. (Cl. 129-1.)



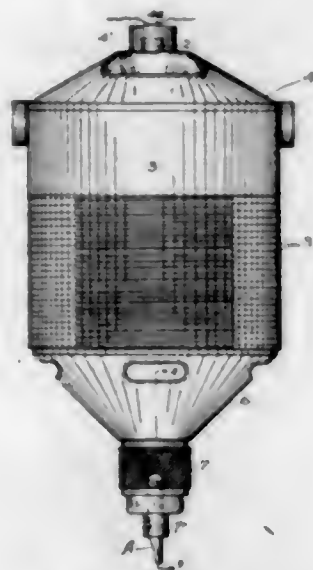
1. In a device of the character described, a body portion including a box-like structure, spring clamping members within the box-like structure, a hinged closure, clamping means carried by the closure for clamping a pack of papers, and said spring clamping members adapted to be engaged with the side edges of the pack of papers when the closure is moved to a closed position.

1,514,893. JACK. ANTHONY E. CARLSON, Los Angeles, Calif. Filed Apr. 28, 1923. Serial No. 635,275. 2 Claims. (Cl. 254-126.)



1. A jack of the class described, the combination of an elongated fuse having a bottom bearing face, a wedge means on the upper front end of the said elongated base, a pair of arms having their lower ends operatively positioned in the said base, a head operatively connected to the upper ends of the said arms, an elevating means operatively positioned in the said base, adapted to move the lower ends of the said arms together or apart, a control means connected between the upper end portions of the said arms and the said head, adapted to hold the top face of the said head parallel with the bottom face of the said base, as set forth said wedge means, arms and head being arranged to rest in wedging alignment with each other when said arms and head are in their lower position.

1,514,894. PORTABLE ROUTING AND PROFILING MACHINE. RAY L. CARTER, Syracuse, N. Y. Filed Sept. 29, 1923. Serial No. 665,644. 10 Claims. (Cl. 90-12.)



1. A portable profiling machine including a motor having a shaft, a tool supported by said shaft, a casing inclosing said motor, a portion of said casing being threaded, a hollow cylinder having a split threaded portion adapted to engage the threaded portion of said casing whereby said tool may be moved relatively to the work and means for locking and holding the casing and cylinder in various adjusted positions.

1,514,895. TRANSMISSION BAND. WEBSTER CLINTON CLINE, Slate Run, Pa. Filed Apr. 2, 1924. Serial No. 703,769. 2 Claims. (Cl. 188-249.)

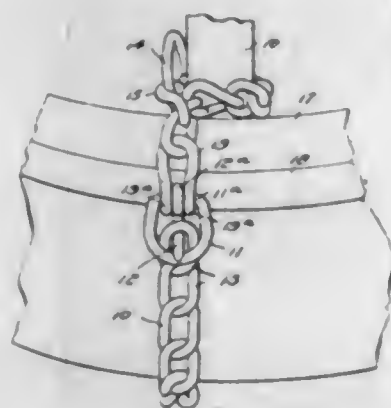
2. The combination of a brake or transmission band having lugs at its ends and a slot extending lengthwise thereof, said slot terminating at one end in an enlarge-

ment located adjacent one of the end lugs and the other end of said slot terminating at a point spaced from the other end lug, a removable flexible inner brake lining band having headed studs on its outer face to slide



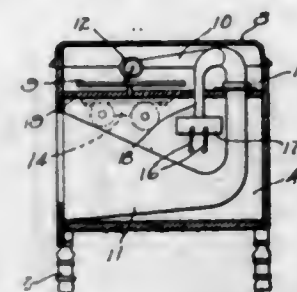
in said slot, said studs being spaced apart a distance corresponding to the length of said slot minus the enlarged opening therein whereby the heads of the studs may be inserted through said opening and held engaged with the slots when applied.

1,514,896. ANTISKID CHAIN. EDGAR P. ELZEY, Parkersburg, W. Va., assignor to Robert J. McKay, Thomas J. McKay, and Frank A. Bond, all of Pittsburgh, Pa. Filed Apr. 9, 1923. Serial No. 630,953. 1 Claim. (Cl. 152-14.)



An antiskid device for vehicle wheels comprising an elongated section of chain having a loop at one end, a free end swingable locking finger spanning the loop, a series of open-center links at the opposite end of the chain adapted to extend through said loop with any one of the links receiving said locking finger, means for maintaining the finger substantially central longitudinally of the loop and the loop in substantial alignment with the adjacent links of the chain connected thereto, and a link and ring connected to an intermediate portion of the elongated chain section, said ring being enlarged to permit the open-center link end of the chain to be passed therethrough whereby said link, ring and an intermediate portion of the chain completely encircle one of the wheel spokes to position the device on the wheel and said fastening means and the adjacent end of said chain are positioned at the side of the wheel while the device is being placed on the wheel.

1,514,897. COMBINED RADIOPHONE AND PHONOGRAPH. ROBERT GORDON FRENCH, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,527. 2 Claims. (Cl. 179-100.1.)



1. A device of the type described comprising a casing, a partition in said casing, a phonograph tone arm carried by said partition, said partition having a slot therein, a second tone arm in communication with said first named tone arm and projecting through said slot, and a radiophone reproducing member carried by said second named tone arm.

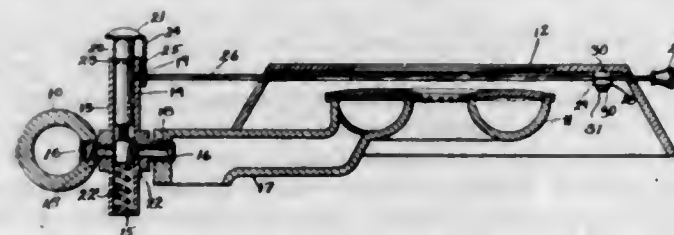
1,514,898. THERMIONIC DEVICE. GEORGE L. GEISEY, Steubenville, Ohio. Filed July 18, 1923. Serial No. 652,418. 10 Claims. (Cl. 250-27.)



4. The method of making an electrode unit of a thermionic discharge device which consists in stamping a substantially oblong blank, punching said blank transversely along a medial line to form an opening terminating short of the side edges of the blank and defining spaced electrode surfaces united by upper and lower reduced bendable connecting straps, and embossing each of said portions to provide each portion with a checkered group of projections.

5. The method of making an electrode unit of a thermionic discharge device which consists in stamping a blank to provide companion electrode portions, and punching each of said portions to provide each portion with a checkered group of openings.

1,514,899. SAFETY APPLIANCE FOR GAS BURNERS. ABRAHAM J. GILDEN, Brooklyn, N. Y. Filed May 4, 1923. Serial No. 636,654. 9 Claims. (Cl. 67-116.)



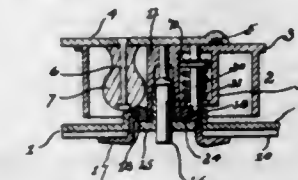
1. A thermally controlled device for valves comprising a valve structure having a movable plug and intake and outlet connections respectively, controlled by movement of the plug of the valve, and a thermal rod co-acting with the plug of the valve and adapted to be moved into locking engagement with the plug of the valve, said rod adapted to be subject to the action of a flame to permit the rod to be contracted when the flow is extinguished, and means for normally setting up a frictionally binding action against the rod while permitting the latter to be moved manually.

1,514,900. TAPELINE REEL. JOHN A. GILMAN, Seattle, Wash. Filed Apr. 26, 1922. Serial No. 556,561. 3 Claims. (Cl. 242-84.8.)



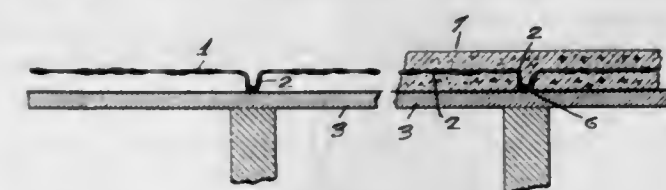
1. The combination with a case, a tapeline reel rotatably mounted therein, and a foldable handle for operating the reel, of fixed stops on the inner side of the case engageable by the handle in folded position whereby to hold the reel against rotation.

1,514,901. TAPELINE REEL. JOHN A. GILMAN, Seattle, Wash. Original application filed Apr. 26, 1922, Serial No. 556,561. Divided and this application filed Apr. 29, 1924. Serial No. 709,803. 9 Claims. (Cl. 242-84.)



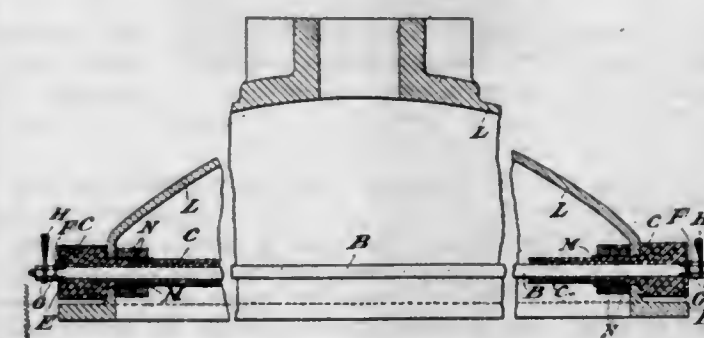
1. The combination of a case having an annular series of internal recesses, a reel rotatably mounted in the case concentrically with the series of recesses, a foldable handle for operating the reel, and a pin actuated by the folding of the handle to engage one of the recesses whereby to hold the reel against rotation.

1,514,902. METAL FURRING. CARL GILMORE, Oakland, Calif. Filed May 22, 1922. Serial No. 562,839. 4 Claims. (Cl. 72-120.)



1. An article of manufacture comprising a metal furring formed from twisted wire screen having relatively large hexagonal interstices, spaced rows of which are foreshortened along one diameter by indenting the wires upon opposite sides of each interstice of such rows to form loops arranged to engaged and be secured to a supporting structure to hold the furring in uniformly spaced relation to said structure.

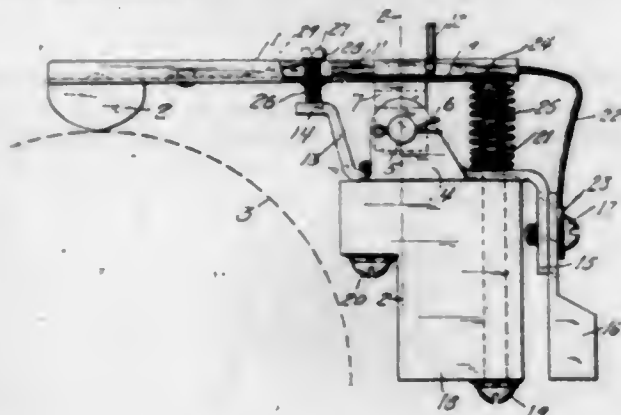
1,514,903. ELECTROLYTIC ANTICORROSION SYSTEM. ARTHUR SYDNEY GUSH, Hove, England. Filed Apr. 18, 1924. Serial No. 707,450. 1 Claim. (Cl. 204-1.)



In an electrolytic anti-corrosion system, the combination with a water container having an aperture, of a cover of insulating material detachably secured over said

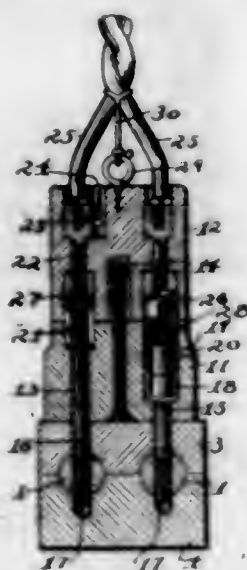
aperture, and an electrode carried by said cover whereby it is detachable as a unit with the latter from said container, said electrode having a detachable connection with said cover, whereby it is removable from said cover when the latter is attached in covering relation to the aperture in said container.

1,514,904. CONTACT FINGER. ARTHUR G. HENRICKS, Milwaukee, Wis., assignor to Pawling & Harnischfeger Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 18, 1921. Serial No. 453,352. 11 Claims. (Cl. 200—170.)



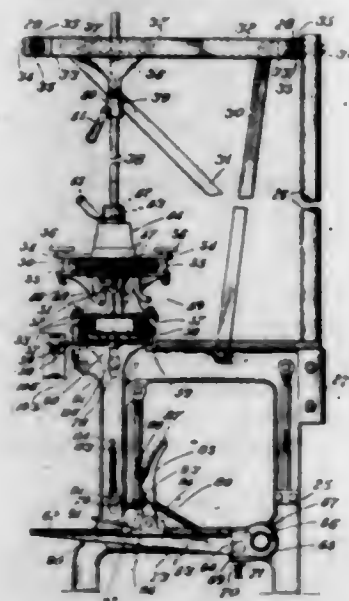
1. In an electric switch having movable and stationary contacts, the combination of a contact finger having a body portion, a contact carried at one end thereof, a spring resiliently bearing upon the other end thereof, and intermediate pivotally mounted means detachably joined to said contact finger, and adapted to be disconnected from the exterior side to allow the finger to be removed without disturbing the pivotal connection.

1,514,905. SWITCH CONSTRUCTION. WILLIAM F. HESSEL, New York, N. Y. Filed Feb. 15, 1919. Serial No. 277,144. 5 Claims. (Cl. 200—115.5.)



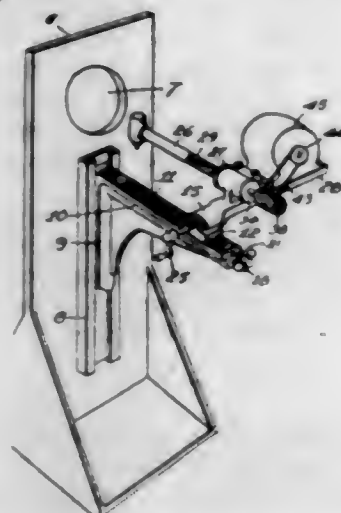
1. A switch plug including an insulating body divided transversely into complementary sections which abut against each other, means for detachably fastening the sections together, a conductor rod extending through one section and projecting from the end thereof to provide an arm for engaging a base, a corresponding stem extending through the other section and having an enlarged wire engaging socket at the outer end thereof, and a slip joint connection between the rod and the stem, said slip joint including an inner socket threaded to the stem and cooperating therewith to anchor the outer wire engaging socket upon the plug section, said socket being provided with a roughened surface extending beyond said other section so as to be readily accessible when said sections are separated.

1,514,906. PRESSING MACHINE. LOUIS HOFFMAN, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company, a Corporation of Delaware. Filed Oct. 5, 1920. Serial No. 414,720. 16 Claims. (Cl. 68—9.)



1. A pressing machine comprising a frame, an ironing board on said frame, an iron supported from said frame and movable in a plane parallel with the face of said board, means comprising a foot lever for bringing the iron and the board into operative contact with each other, locking means for holding said iron and said board in operative pressing relation, and a second foot lever adapted by a downward stroke to move said locking means into operative locking position.

1,514,907. MACHINE FOR REPAIRING SCORES IN CYLINDERS. CHARLES HOPPER, Los Angeles, Calif. Filed Feb. 21, 1921. Serial No. 446,540. 8 Claims. (Cl. 90—17.)

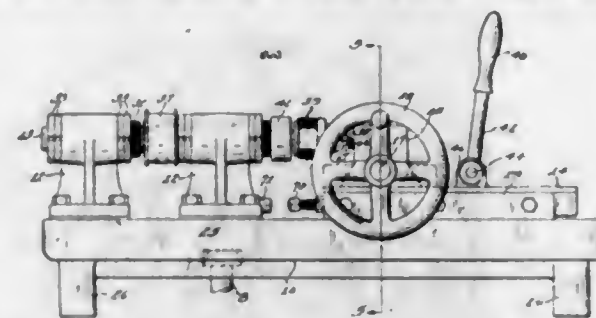


1. In a machine of the character described, a tool carrying stem, a clamp sleeve encircling said stem in engagement therewith substantially throughout the periphery of the stem and splined thereto for supporting said stem in which the stem is longitudinally and circumferentially adjustable, a slidable bracket on which said clamp sleeve is fixedly mounted, a motor carried by said bracket, a tool driving shaft in said stem, and means for rotating said shaft from said motor.

1,514,908. CENTERING MACHINE. WILLIAM JANNELL, West Park, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 5, 1921. Serial No. 482,444. 6 Claims. (Cl. 77—18.)

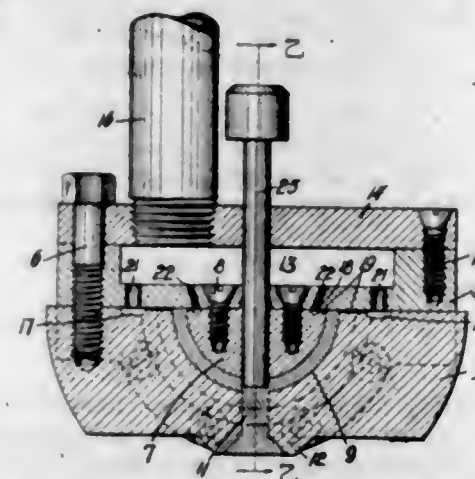
1. In combination, a bed, a carriage adapted to be reciprocated thereon, cross slides, means for moving the

slides simultaneously and transversely of the carriage in a horizontal direction, jaws having V-shaped recesses and removably secured to said slides, means for ad-



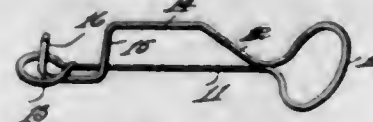
justing the jaws vertically with relation to said slides and an adjustable work stop slidably mounted in one of said jaws.

1,514,909. SUCTION MOLD. AUGUST KADOW, Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,009. 8 Claims. (Cl. 22—73.)



1. A mold of the class described, having a semi-annular molding cavity angular in cross section and passages in communication with the cavity entirely around the same at the external angles thereof and in communication with a suction creating source.

1,514,910. CLIP. LESTER L. KANE, Shambaugh, Iowa. Filed Oct. 4, 1923. Serial No. 666,531. 1 Claim. (Cl. 40—26.)

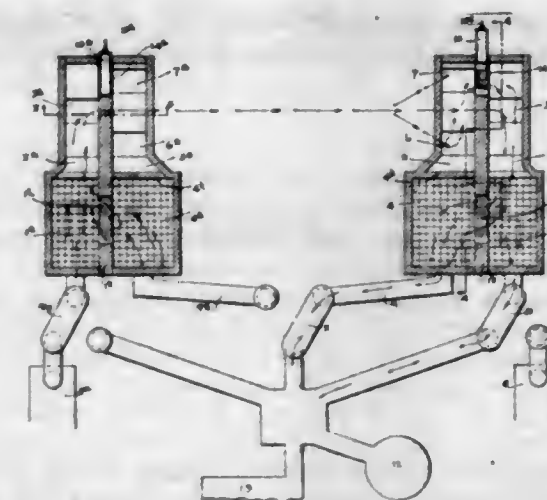


1. A tag holder including a pair of resilient legs one of which has a portion lying in parallel relation to the other leg, a bight portion connected to one end of said other leg, an eye on the other end of said other leg, an oblique portion connecting one end of the first leg with the other end of the bight portion, the other end of the first leg being extended transversely of said other leg at right angles, thence in parallel relation thereto, and finally into parallel relation to said transverse portion and within said eye.

1,514,911. APPARATUS FOR OBTAINING IMPROVED COMBUSTION IN FURNACES. CHESTER A. KELLOGG and JULIAN L. SCHUELER, Bartonville, Ill., assignors to Keystone Steel & Wire Company, Bartonville, Ill., a Corporation of Illinois. Filed Nov. 10, 1921. Serial No. 514,419. 6 Claims. (Cl. 263—15.)

1. In a regenerative furnace, in combination with the gas and air slag pockets, gas and air up-takes and fuel

inlet ports, means providing communication in the division walls between gas and air slag pockets, means for closing the air slag pockets against ingress of air thereinto from the regenerators, means to conduct air from

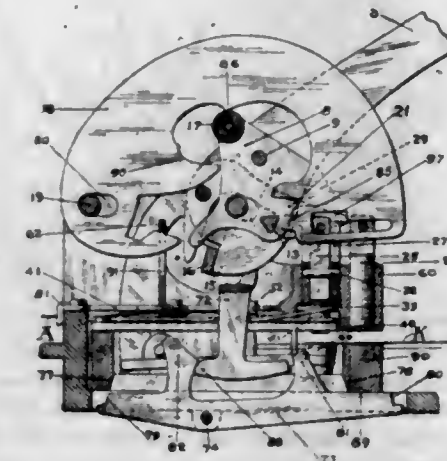


the regenerators to the gas slag pockets and up-takes leading therefrom, fuel burners arranged in said inlet ports and connected to a source of supply, and dampers for controlling the communicating means in the walls between said gas and air slag pockets.

1,514,912. PROCESS FOR THE FIXATION OF PHOSPHORIC ACID. BETHUNE G. KLUCH, Anniston, Ala., assignor to Federal Phosphorus Company, Birmingham, Ala., a Corporation of Alabama. Filed Oct. 20, 1920. Serial No. 418,324. 18 Claims. (Cl. 23—21.)

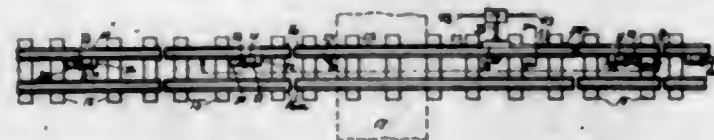
1. The hereindescribed process, which consists in bringing ammonia into contact with phosphorus oxide fumes in the presence of carbon monoxide gas with which it was evolved, and the separation of the compounds of ammonia and phosphoric acid from said carbon monoxide.

1,514,913. FASTENER-SETTING DEVICE. ANDRÉ KORONSKI, Narberth, Pa., assignor of one-half to Horace C. Kuerr, Philadelphia, Pa. Filed Apr. 14, 1921. Serial No. 461,262. 43 Claims. (Cl. 1—2.1.)



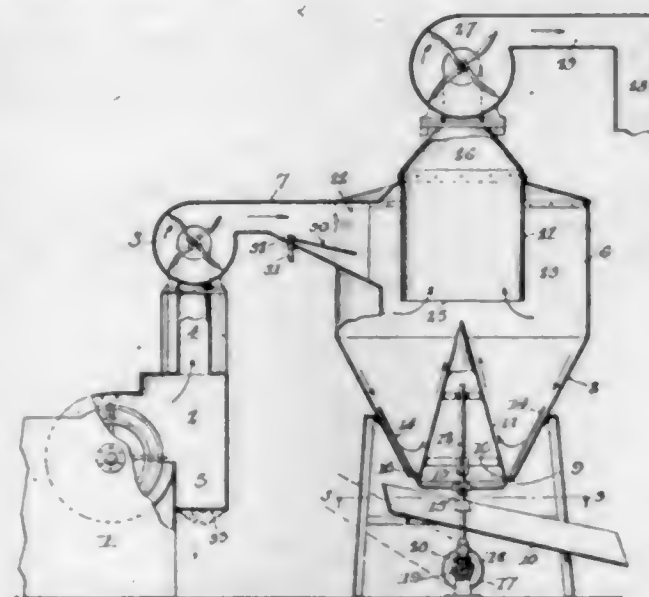
1. The combination with a base, of a carriage mounted thereon and movable relative thereto, means on said carriage to receive a strip of material from which eyelets may be formed, means for punching a hole in material to be eyeleted and for centrally perforating said strip of eyelet material to form an eyelet provided with a number of downwardly disposed tangs, and means for severing said formed eyelet from said strip, inserting it in said hole, and clinching it in the material to be eyeleted while the carriage is in another position.

1,514,914. RAILWAY-CROSSING SIGNAL. JOHN LAUBE, Morgan, Minn. Filed May 31, 1924. Serial No. 717,029. 8 Claims. (Cl. 246-294.)



1. In a danger signal for railway crossings, a post fixed near the crossing, a rotatable signaling element mounted on the post and having a ratchet wheel, a mechanism box secured at the outer side of one of the track rails, a horizontal rock shaft having one end in the mechanism box and there fixed to it two diametrically opposite radial cams, two horizontal yokes reciprocated each by one of the cams, in one direction, and by a spring in the other direction, a guided operating rod extended from each yoke, a suitable distance along the rail in opposite direction of the spring action, a series of spaced devices secured on the rail and having operative connection with the adjacent operating rod, and an element for a wheel rolling on the track to press on and impart a pulling movement to the rod; said rock shaft having at the signal post a rocker arm, a vertically disposed rod arranged to be pushed upward by said rocker arm and come down again of its own weight, a dog actuated by the vertical rod and arranged to engage and rotate the ratchet wheel and thereby the signaling element.

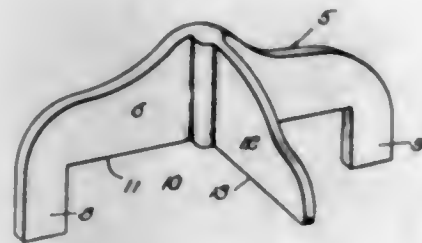
1,514,915. SEPARATOR. ALFRED LAUKHUFF, Shorewood, Wis., assignor to Albert O. Trostel, Milwaukee, Wis. Filed Aug. 15, 1921. Serial No. 492,264. 3 Claims. (Cl. 83-53.)



3. In a separator, the combination of a separating chamber having an inlet at its upper end and an outlet at its lower end, a revoluble conical valve member adjustably mounted in said outlet to vary the effective area of discharge therefrom, and movable means for preventing clogging of the material in the space between said valve and the wall of said outlet.

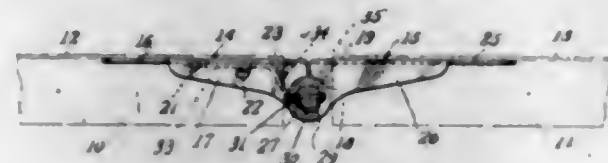
1,514,916. SCRIBE GAUGE. ABRAHAM LEATHERMAN, Muskegon Heights, Mich., assignor of one-half to Orr Leatherman, Muskegon Heights, Mich. Filed Sept. 14, 1922. Serial No. 588,162. 1 Claim. (Cl. 33-82.)
A clapboard marking gauge comprising a flat elongated plate having one longitudinal edge straight and a projection at each end of said straight edge, said projections being coplanar with said plate and extending

substantially at right angles to said straight edge, and a handle comprising a second plate secured to the mid-portion of a side of said first-named plate and extending in



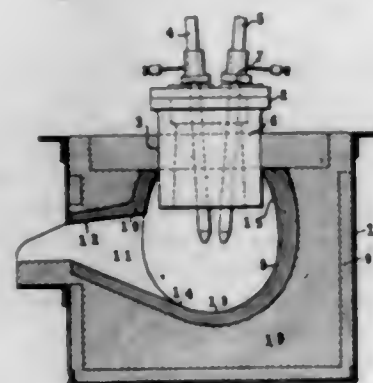
a plane at substantial right angles to the plane thereof and to said straight edge, the lower edge of said second plate being straight and lying in the same plane as the straight edge of said first-named plate.

1,514,917. BAG-FRAME HINGE. WILLIAM A. LOTZ, Newark, N. J., assignor to The T & L Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 3, 1923. Serial No. 672,519. 5 Claims. (Cl. 16-128.)



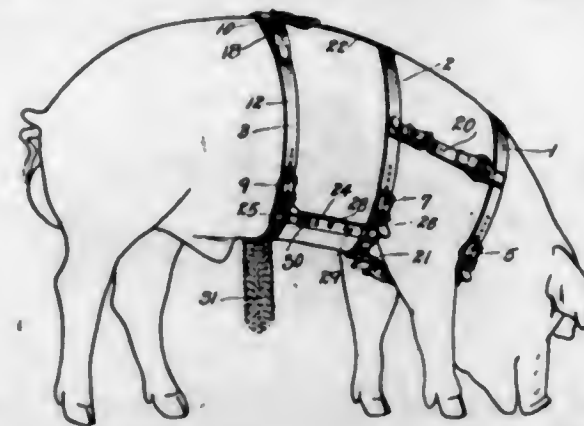
1. Bag frame hinges comprising channelled elements secured to the ends of the frames, said elements being engaged in paired relation, a pivot fixed in one member of each pair of elements and rotatable in the other member, said pivot having at least one flat surface disposed in a plane parallel with the body of the element to which it is attached, and a flat spring secured in the opposite channelled element, having its free end disposed to make contact with the flattened surface of said pivot.

1,514,918. ELECTRIC FURNACE. CHARLES MILLER, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Nov. 3, 1922. Serial No. 598,709. 6 Claims. (Cl. 204-64.)



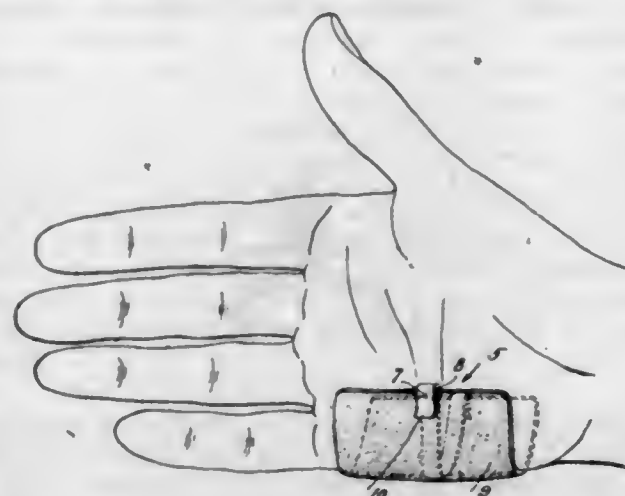
1. In a device of the character described, in combination, a crucible of graphite having an opening in the top thereof, the walls of said crucible being thickened near the top, a cover for said crucible adapted to fit said opening, and a pair of electrodes for an electric arc suspended therefrom.

1,514,919. HARNESS. DAVID L. MILLSAP, Powersville, Mo. Filed Mar. 15, 1924. Serial No. 699,453. 4 Claims. (Cl. 119-143.)



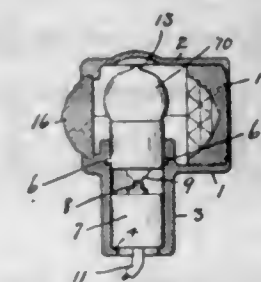
4. A harness for swine comprising a neck band, a shoulder band and a girth, means for connecting the various bands together including rigid side bars between the shoulder band and the girth and a flexible shield suspended from the girth, the side bars being arranged in pairs with means for extensibly connecting them.

1,514,920. BLOTTER-HOLDING DEVICE. TSUTA MIYASAKI, Los Angeles, Calif. Filed Sept. 13, 1921. Serial No. 500,348. Renewed Apr. 14, 1924. 1 Claim. (Cl. 120-25.)



A blotter holding device, comprising a U shaped member formed of a single strip of resilient material the ends of which being bent downwardly adjacent the sides thereof to form a blotting pad gripping means, said member adapted to be secured to the side of the user's hand.

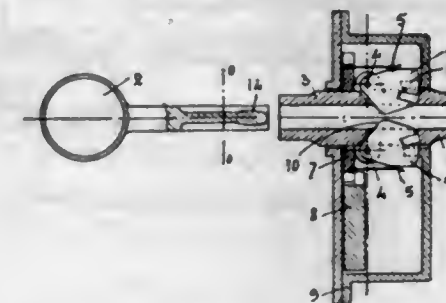
1,514,921. COMBINED PARKING AND STOP LAMP. EVERETT D. MORETON, Baltimore, Md., assignor to Irene Frank, Baltimore, Md. Filed Nov. 21, 1923. Serial No. 676,003. 3 Claims. (Cl. 240-7.)



1. A combined parking and stop lamp comprising two sections fitted together and each provided with diverging sides and a semi-circular groove in its front end and an opening at the rear end, the edges of said opening

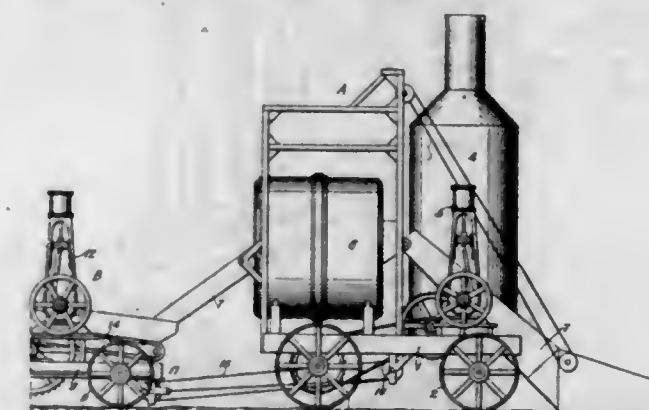
projecting inwardly, a glass jewel fitted in the grooves in the front end of the lamp, and a glass jewel fitted in the rear of the lamp back of said inwardly projecting edges.

1,514,922. DEVICE FOR LOCKS. LUIGI OLIVERO, Genoa, Italy. Filed Oct. 12, 1922. Serial No. 594,168. 2 Claims. (Cl. 20-46.)



1. A lock comprising a casing, a bolt movable in said casing, a rotatable barrel journaled in said casing co-acting with said bolt to project and retract the latter and having a longitudinal bore spaced projections carried by the casing, pivoted locking members carried by the barrel and normally occupying a position between the projections of the casing whereby to prevent rotation of the barrel, shoulders on said locking members normally projecting into the bore of said barrel, means normally tending to move the locking members to a position wherein their rotary movement about the axis of the barrel is obstructed by said spaced projections, means adapted, when said locking members are moved to a predetermined position with respect to the barrel, to permit said barrel to rotate about its axis, and a key adapted for insertion in the bore of said barrel for moving said locking members to said predetermined position.

1,514,923. MACHINE FOR BUILDING CONCRETE ROADS. ADELBERT FRANKLIN PARKER, Ogden, Utah, assignor of one-half to Philip A. Koehring, Milwaukee, Wis.; Wynne M. Parker, administrator of said Adalbert F. Parker, deceased. Filed Feb. 2, 1920. Serial No. 355,600. 35 Claims. (Cl. 44-44.)

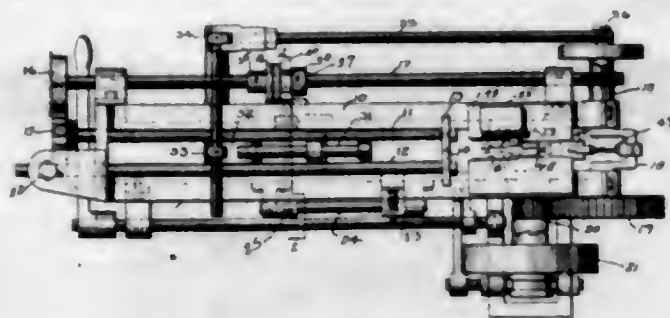


35. In a machine for building concrete roads, a wheel-supported structure, a carriage movable thereon, a roller suspended from the carriage, means for holding the roller in different operating elevations upon the carriage, and means for moving the carriage back and forth.

1,514,924. BOBBIN STRIPPER. GEORGE J. PFEIFFER, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1922. Serial No. 545,864. 8 Claims. (Cl. 28-20.)

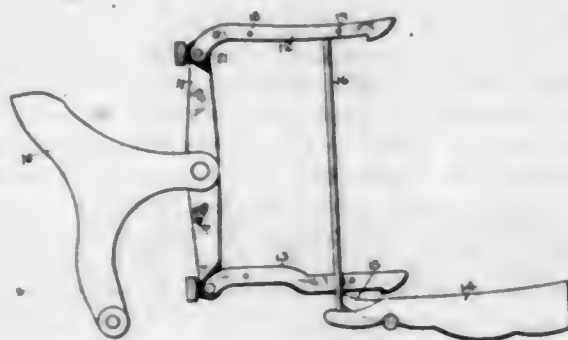
1. In a bobbin stripper, stripping devices, and means to withdraw a bobbin longitudinally from between said devices, said means comprising a pair of bobbin gripping

members, means to reciprocate said members, means to yieldingly separate said members, means to hold said members above the bobbin when moved in one direction,



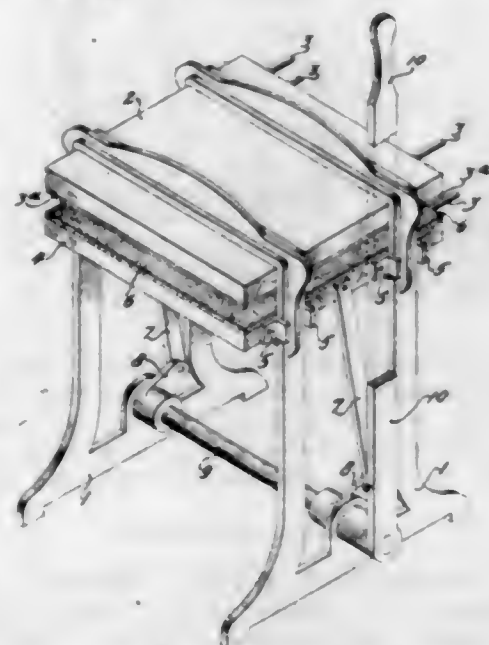
and means to cause said members to descend and to approach each other and grip the bobbin when moved in the opposite direction.

1,514,925. DOBBY HOOK. GEORGE J. PFIEFFER, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1922. Serial No. 549,754. 9 Claims. (Cl. 139-74.)



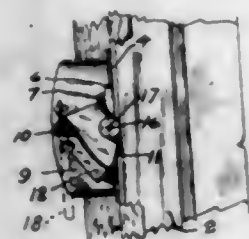
1. A dobbie hook having a hooked end and a bearing end, said dobbie hook being formed of two parts secured together at points removed from said bearing end, and said bearing ends being resilient and yieldingly separable for attachment of a dobbie lever thereto.

1,514,926. APPARATUS FOR DRYING PLATES OF VARIOUS SORTS. FRANK T. POWERS, Douglaston, N. Y. Filed June 29, 1922. Serial No. 571,839. 3 Claims. (Cl. 34-1.)



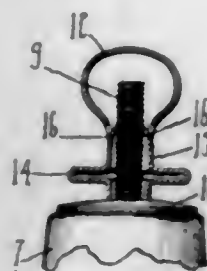
3. A device for drying photo-mechanical printing plates comprising in combination two heated absorbent surfaces and means for simultaneously pressing said heated surfaces against opposite sides of said plates.

1,514,927. WINDOW-SASH LOCK. JOHN T. POWERS, Denver, Colo., assignor to Denver Sash Lock Company, Denver, Colo. Filed Feb. 2, 1922. Serial No. 533,539. 2 Claims. (Cl. 292-242.)



2. In a sash lock, the combination with a housing, a cam-like member having a substantially arcuate gripping surface, a pivot comprising a tubular sleeve secured to said cam member at a point concentric with respect to the gripping surface, said camlike member having an opening in the gripping surface, a roller pivotally mounted on said cam and projecting through said opening, and a spring for biasing said cam in one direction.

1,514,928. TERMINAL CONNECTION FOR SPARK-PLUG ELECTRODES. HECTOR RABEZZANA, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed July 30, 1920. Serial No. 398,986. 6 Claims. (Cl. 173-259.)



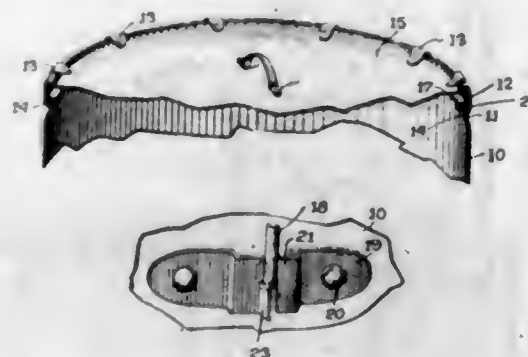
2. In a terminal connector for spark plug electrodes, a hollow shell closed at one end and open at the other end and formed from comparatively thin sheet metal and adapted to fit over the threaded end of an electrode; and a plurality of tongues cut free from the wall of said shell and the free upper ends of which are forced inward and into a position to engage the threaded end of an electrode.

1,514,929. MACHINE FOR GATHERING MULTIPLE SHEETS. CHARLES L. RAY, Dallas, Tex. Filed July 10, 1922. Serial No. 573,944. 4 Claims. (Cl. 270-58.)



1. In a gathering machine, a frame member, a stationary paper feed carried by the said member, a slidable paper feed carried by the member and disposed oppositely to the first named feed, and a stacker elevator carried by the frame member below and between the said feeds.

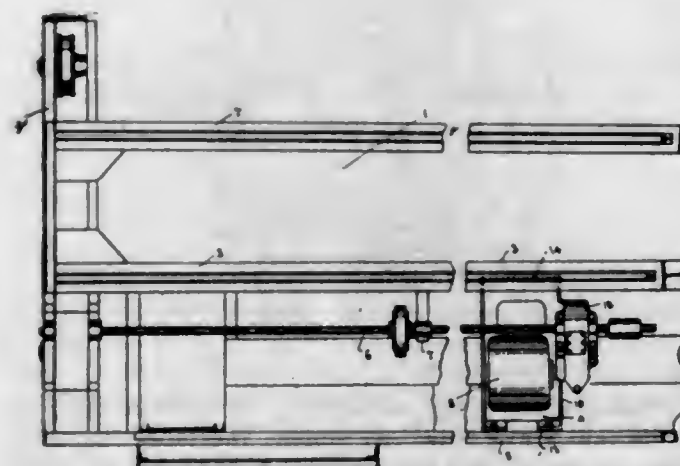
1,514,930. CONSTRUCTION OF METALLIC CONTAINERS. HENRY S. REYNOLDS, Brooklyn, N. Y., assignor to Meurer Steel Barrel Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 6, 1922. Serial No. 541,301. 11 Claims. (Cl. 220-55.)



1. In construction for metallic containers, in combination, a container shell having adjacent its open end an inwardly extending shoulder, and a cover for said shell having formed at its periphery a substantially upright flange adapted to rest against the wall of said shell above said shoulder, said upright flange terminating at its lower end below the body of said cover in an inwardly directed lip adapted to rest upon said shoulder and support said cover thereon.

10. In apparatus of the general nature of that herein described, in combination, a metal container; a metal strip secured to the wall thereof and having a portion spaced therefrom, said spaced portion having an opening therein and being cut adjacent said opening whereby a part thereof may be bent out of position to form an elongation of said opening; and a wire ball having a hooked end adapted to be inserted between said spaced portion of said metal strip and said container wall when said cut part is bent out of position and to be locked therebetween when said cut part is in normal position.

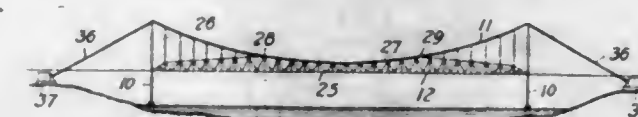
1,514,931. CRANE. WILLIAM ROBERTSON, Detroit, Mich., assignor to Northern Engineering Works, Detroit, Mich., a Corporation of Michigan. Filed May 22, 1922. Serial No. 562,919. 6 Claims. (Cl. 105-163.)



1. In an electric travelling crane, the combination with a main girder, of an auxiliary girder extending substantially parallel thereto, a drive shaft extending longitudinally of said main girder in between said main girder and auxiliary girder, an electric motor, gearing between said electric motor and drive shaft for driving

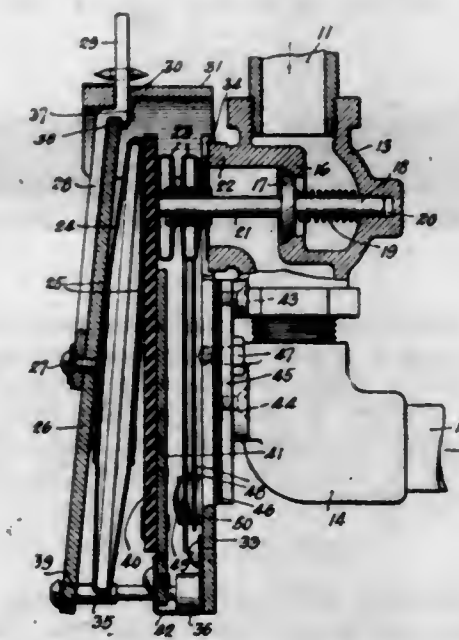
the latter from the former, and a combined support for said motor and housing for said gearing between said main and auxiliary girder and directly carried by said girders.

1,514,932. SUSPENSION BRIDGE. HOLTON D. ROBINSON and DAVID B. STEINMAN, New York, N. Y. Filed Feb. 15, 1923. Serial No. 619,090. 14 Claims. (Cl. 14-15.)



1. In a suspension bridge, a partly combined chain and stiffening truss comprising a chain element and a stiffening truss element, said stiffening truss element having an upper chord wherein the mid-portion is the mid-portion of the chain element, and wherein the remainder of said upper chord is designed for compression.

1,514,933. AUTOMATIC HEAT CONTROLLER FOR RADIATORS. WILLIS E. ROYS, Brooklyn, N. Y. Filed May 28, 1923. Serial No. 641,982. 10 Claims. (Cl. 236-42.)

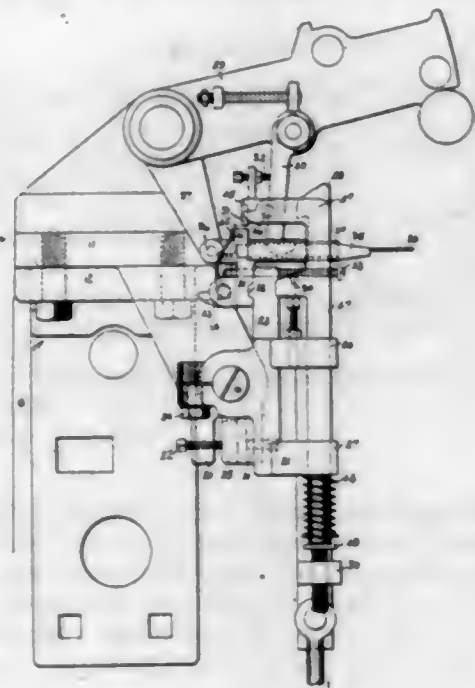


4. In a device of the class set forth, a valve body, a rigid plate attached to the valve body, a valve within the body and having a stem projectable laterally therefrom and beyond the plate, a plate of insulation spaced from the metal plate aforesaid and cooperating directly with the outer end of the valve stem, hinge means connecting the plate of insulation to the metal plate, and an expansible thermostat co-operating with the side of the insulation plate for actuating the valve.

1,514,934. WEFT-DETECTING MECHANISM. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1921. Serial No. 509,113. 2 Claims. (Cl. 139-271.)

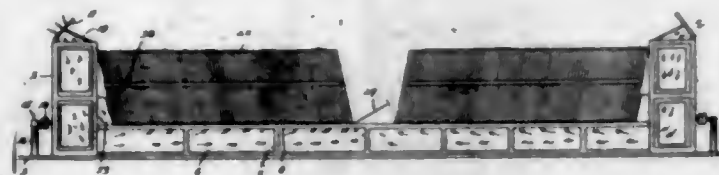
1. In a weft replenishing loom having a transferer weft detecting mechanism comprising a stand, a plurality

of plungers slidable in said stand, and a cover for said stand and plungers, said cover being slidable on said



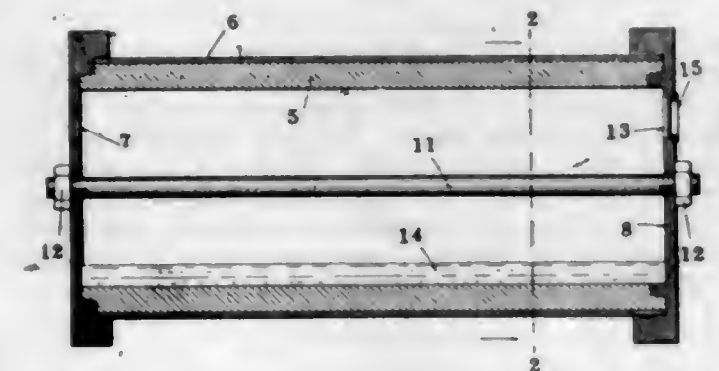
stand and being connected for movement with said transfer to withdraw said plungers from operative position.

1,514,935. APPARATUS FOR DRYING SKINS. ALBERT H. SCHMIDT, Detroit, Mich. Filed Feb. 6, 1923. Serial No. 617,296. 20 Claims. (Cl. 34-19.)



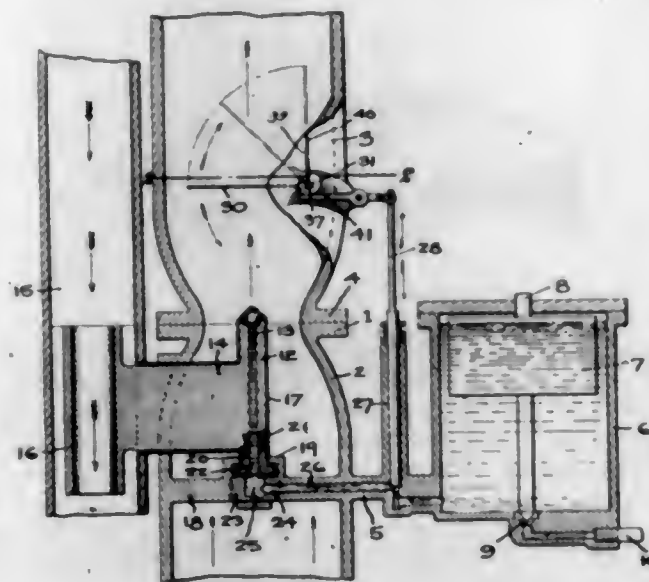
6. In an apparatus for drying skins and hides, the combination with a plurality of frames, and means for securing skins or hides thereto, of a trough for supporting said frames, a cabinet at one end of said trough, and means for drawing air into said cabinet and for discharging it into said trough to dry the skins or hides on said frame.

1,514,936. METHOD OF CURING CONCRETE. FRANK A. SEIFERT, St. Louis, Mo. Filed Nov. 25, 1922. Serial No. 603,235. 3 Claims. (Cl. 18-47.5.)



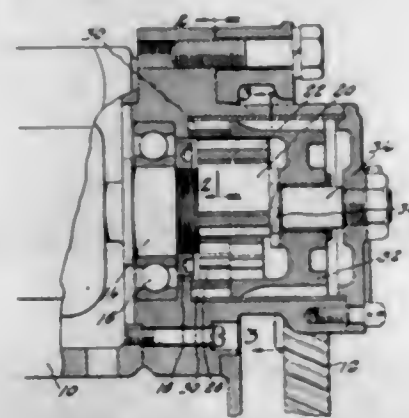
1. The process of curing articles of cement which comprises sealing the article in a substantially air tight container together with a portion of water and heating the container to cure the article solely by the vapor generated in the interior of the container.

1,514,937. CARBURETOR. SIDNEY B. SHAW, San Francisco, Calif. Filed June 3, 1920. Serial No. 386,220. 1 Claim. (Cl. 261-15.)



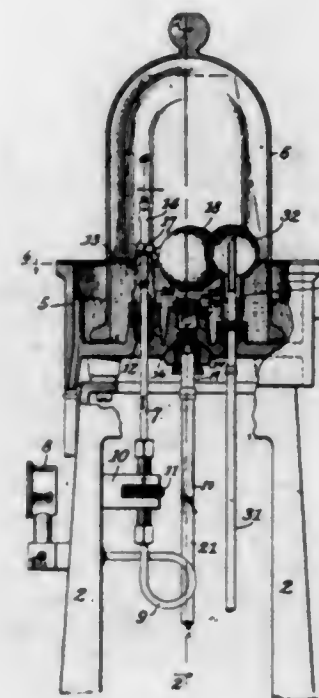
A carburetor, comprising, in combination, a casing having an air passage therethrough; a fuel nozzle in said passage; a reservoir adjacent said casing for supplying fuel to said nozzle; a projection formed integrally with said nozzle and extending outwardly through said casing; insulation surrounding the nozzle and projection and interposed between the nozzle projection and casing; a conduit adjacent said casing adapted to have heated fluid passed therethrough; and means on said projection terminating within said conduit, adapted to be heated by the fluid therein, whereby said projection and nozzle will be heated by conduction, and the heat of conduction transferred to the fuel in the nozzle.

1,514,938. CONNECTING GEARING. ALEX TAUB, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 7, 1923. Serial No. 617,579. 2 Claims. (Cl. 74-59.)



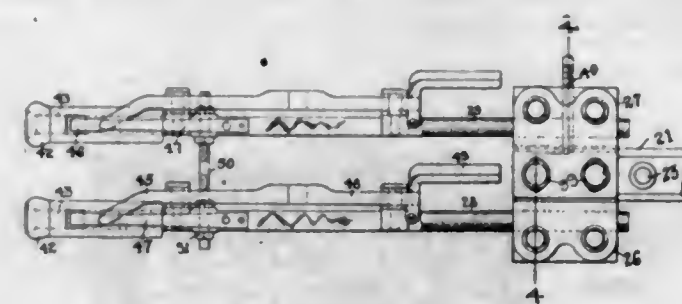
1. Connecting-gearing comprising, in combination, an eccentric or crank pin, a pinion rotatably mounted thereon, a pair of co-axial internal gears both of which mesh with said pinion the internal gears differing in number of teeth, an over running roller clutch holding one of said internal gears from turning in one direction and leaving it free to turn in the opposite direction, the other of said internal gears having external spiral teeth to operate as described and being axially movable according to the thrust on the external teeth, and a clutch between said pin and the axially-movable gear operated by axial movement of the gear.

1,514,939. CHLORINATOR. CHARLES F. WALLACE, Westfield, N. J., assignor to Wallace & Tienhan Co., Inc., Belleville, N. J., a Corporation of New York. Filed Feb. 9, 1922. Serial No. 535,179. 11 Claims. (Cl. 261-64.)



1. In a chlorinator, the combination with a tray or open receptacle in which is maintained a body of water at constant level, of a bell jar therein, a pipe conveying chlorine into the same, a section pipe withdrawing the gas therefrom, and means for controlling the supply of said chlorine to the bell jar dependent upon the level of the water therein.

1,514,940. DOUBLE SHUTTLE MOTION. WILLIAM M. WATTE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 2, 1924. Serial No. 683,885. 7 Claims. (Cl. 139-141.)

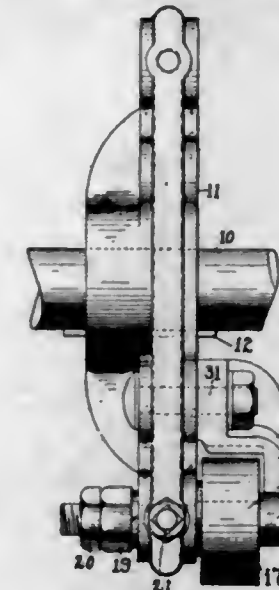


1. In a double shuttle motion for looms, a pair of shuttle supporting rods, shuttle receiving and releasing devices on each of said rods, means to move said rods together toward and from weaving position, a shuttle supported on one of said rods, and means passing from one of said rods to the other of said rods to cause both rods to support said shuttle.

1,514,941. PICKING ARM FOR LOOMS. WILLIAM M. WATTE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 17, 1924. Serial No. 707,241. 7 Claims. (Cl. 139-147.)

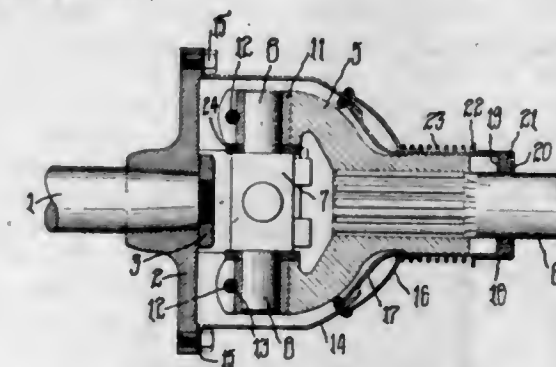
6. In picking mechanism for looms, a picker arm, a picker roll extending laterally from and rotatably mount-

ed with respect to the arm, and an auxiliary bearing for the roll secured to and projecting laterally from



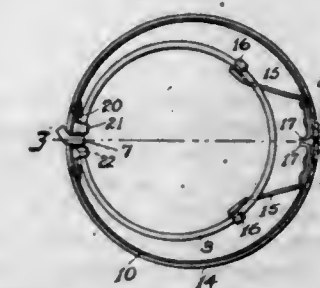
said roll and having a portion to enclose part of the roll, said portion being spaced from the arm and supporting that end of the roll remote from the arm.

1,514,942. UNIVERSAL JOINT. FRANK A. WHITTEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 30, 1920. Serial No. 355,243. 4 Claims. (Cl. 64-102.)



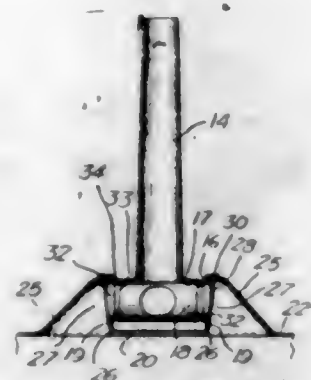
1. The combination with a power transmitting connection comprising a universal joint and a slip joint of a casing therefor comprising a housing element surrounding said universal joint and provided with a curved portion, and an additional housing element engaging the inner surface of said curved portion and extended to enclose said slip joint.

1,514,943. EYE-PROTECTOR ATTACHMENT FOR SPECTACLES. FREDERICK WILLSON and HARRY F. SHINDEL, Reading, Pa., assignors to Willson Goggles Inc., Reading, Pa., a Corporation of Pennsylvania. Filed July 1, 1922. Serial No. 572,132. 1 Claim. (Cl. 2-13.)



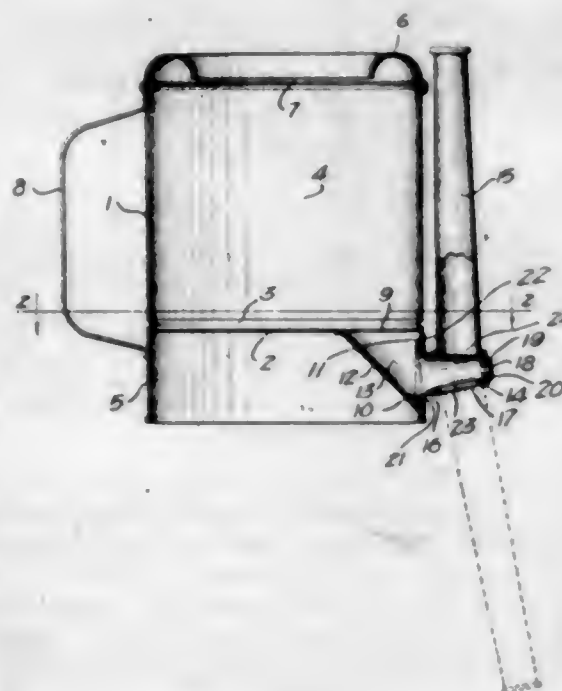
An eye-protector attachment for spectacles consisting of a protection-glass eye-cup having a rim-enclosing wall provided interiorly with a spring clip having its free end adapted to swing in a plane approximately parallel with the plane of the protection-glass and to engage an inserted spectacle rim.

1,514,944. SWINGSPOUT POURING DEVICE FOR CONTAINERS. OZRO N. WISWELL, Los Angeles, Cal., assignor to Swingspout Measure Company, a Corporation of California. Filed June 7, 1922. Serial No. 506,647. 9 Claims. (Cl. 221-26.)



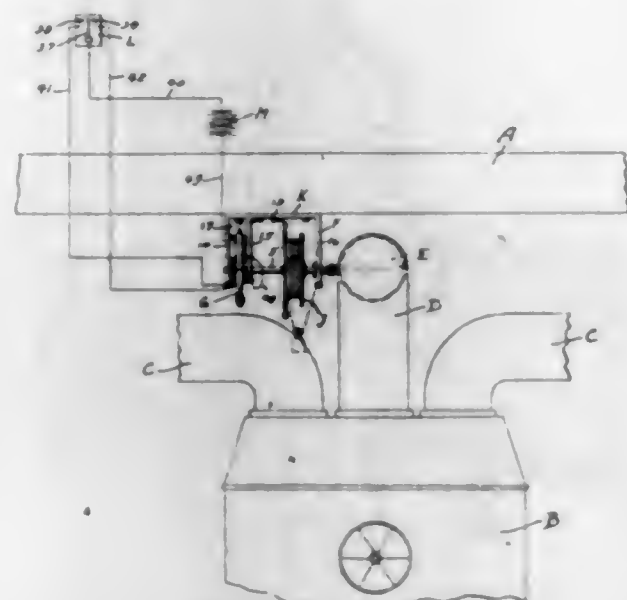
1. In the art of the class described, the combination of: a pouring spout; a sleeve supporting said spout; and a tubular member within said sleeve having the extending ends thereof expanded; there being cooperating valve openings in said sleeve and said tubular members.

1,514,945. SWINGSPOUT MEASURE. OZRO N. WISWELL, Los Angeles, Calif., assignor to Swingspout Measure Co., a Corporation of California. Filed Sept. 18, 1923. Serial No. 663,304. 6 Claims. (Cl. 221-26.)



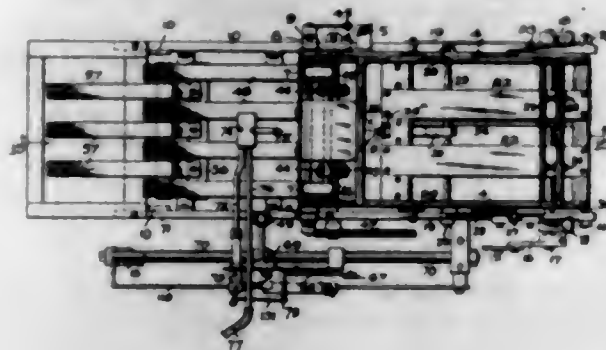
6. A swingspout measure comprising: a casing; a bottom secured in said casing and forming a measuring receptacle thereabove; a rim forming an extension of said casing below said bottom, said rim and said bottom having openings therein; an imperforate piece of metal forming a continuous conduit connecting said openings together; a valve member mounted on the outside of said rim over the opening therein; and a swinging spout mounted on and turning about said valve and spout having cooperating openings so placed as to provide an open communication between said valve and said spout when said spout is at or near its downwardly extending position.

1,514,946. CONTROL FOR HEATING FURNACES. ANDREW WOOD, Cornwall on the Hudson, N. Y. Filed July 2, 1923. Serial No. 649,173. 7 Claims. (Cl. 236-88.)



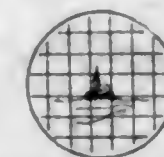
1. In combination with a damper for heating furnaces, a supporting bracket, a shaft mounted on the bracket adapted to be secured to said damper, an escapement wheel mounted rigidly on said shaft, connecting conducting brushes positioned at opposite sides of said escapement wheel for making and breaking electrical circuits by movement of the escapement wheel, an armature engaging said escapement wheel, a thermostat, an electromagnet for drawing the armature out of engagement with said escapement wheel when a circuit is completed through the connecting brushes by the thermostat, and means for imparting movement to said shaft.

1,514,947. SHEET-FEEDING DEVICE. JOHN E. WOODBURY, Worcester, Mass. Filed May 16, 1922. Serial No. 561,409. 30 Claims. (Cl. 271-14.)



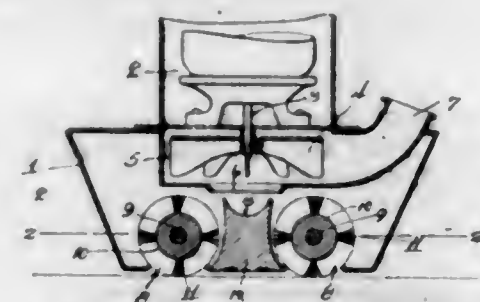
1. In a sheet feeding device, the combination with a reciprocating feed box, for reciprocating it, and means for separating the bottom sheet therefrom, of means for engaging the projecting edge of the bottom sheet and feeding it along as the feed box moves forward, pneumatic means for taking the sheet therefrom and elevating its end in position to be conveniently grasped by the operator, and pneumatic means for preventing the feeding of another sheet by the feed box until the previously fed sheet has been removed from the elevating means.

1,514,948. STEREOSCOPIC RANGE FINDER. ARCHIBALD BARR and WILLIAM STROUD, Glasgow, Scotland, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Filed Aug. 16, 1921. Serial No. 492,868. 2 Claims. (Cl. 88-2.7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



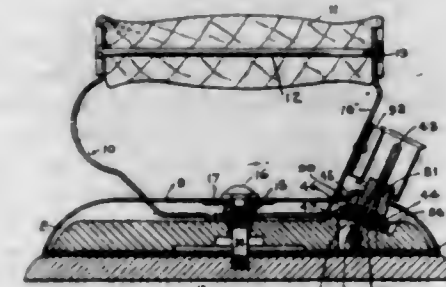
1. In a range finder working on the stereoscopic principle the provision in the focal plane of each field of view of a series of marks or lines distributed over each of the two fields of view all of which marks or lines appear to be situated at the same distance (perspective depth) from the observer when viewed stereoscopically, for the purposes set forth.

1,514,949. SWEEPER. THOMAS H. BELL and JOHN G. SCHOENLEBER, New York, N. Y., assignors to Bell Schoenleber Manufacturing Co. Inc., a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,349. 2 Claims. (Cl. 15-8.)



1. In sweeping apparatus of the class described, the combination of a housing, spaced parallel brush rollers in said housing, a dust collector removably mounted between the brush rollers having its opposite sides concaved, said dust collector having on its top a longitudinal channel to act as a dust receptacle, and a suction fan arranged above the dust collector to withdraw the dust from said receptacle.

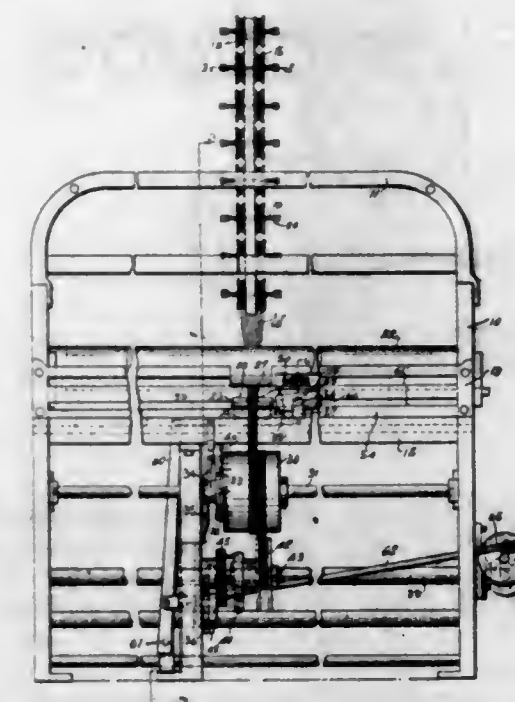
1,514,950. ELECTRICAL LAUNDRY IRON. MICHAEL BROWN, Brooklyn, N. Y. Filed Aug. 22, 1923. Serial No. 658,693. 10 Claims. (Cl. 219-25.)



1. In an iron of the class described, a base member, a heating element, a pressure plate, an outer shell, a handle therefor, said handle having free ends adapted to be removably secured within said shell.

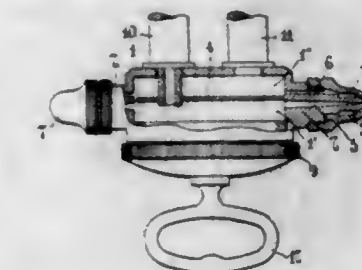
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1,514,951. LOOM FOR WEAVING NARROW WIRE FABRIC. AUGUSTIN J. CHEVRETT, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1922. Serial No. 552,381. 1 Claim. (Cl. 139-116.)



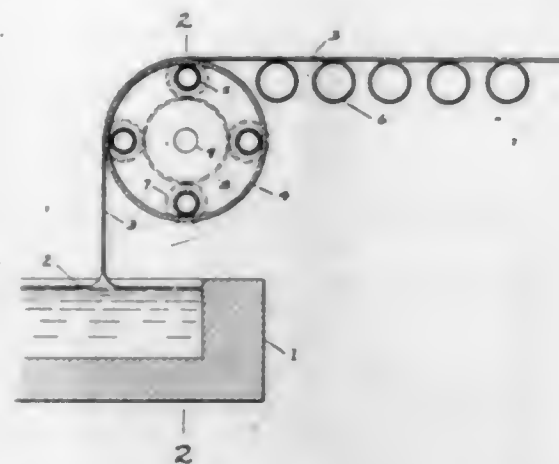
In a loom, a plurality of warp elements, means to part said elements to form a warp shed, a fixed lay, a shuttle, means to reciprocate said shuttle on said lay entirely through the warp shed to insert a filling in said shed, said filling being frictionally drawn obliquely rearward from the fell of the fabric by said shuttle, and means to change the warp shed and grip and hold said filling while the filling is thus obliquely rearwardly extended and held by said shuttle while the shuttle remains in fixed position at one side or the other beyond said warp shed.

1,514,952. PULVERIZING AND NEBULIZING APPARATUS. PAOLO COATI, Milan, Italy. Filed Oct. 18, 1921. Serial No. 508,632. 1 Claim. (Cl. 299-86.)



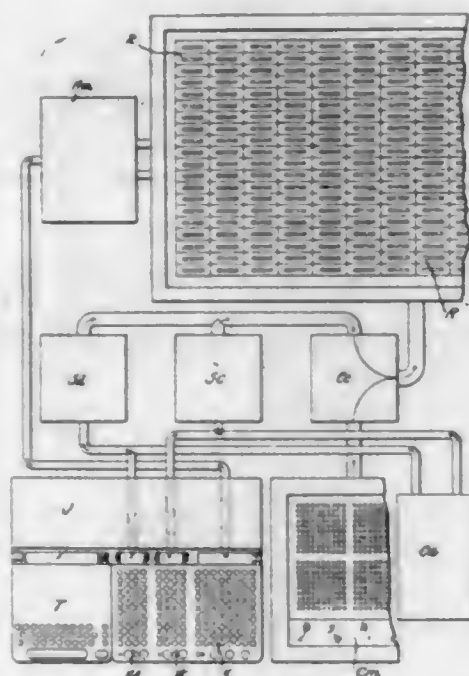
An apparatus for pulverizing and atomizing liquids by means of compressed air comprising in combination a casing divided by a partition into upper and lower chambers, a conduit connected to the upper chamber for supplying air thereto, a conduit projecting through said upper chamber into the lower chamber for supplying liquid thereto, injecting nozzles provided on the casing, each of said injection nozzles being constituted by a boss formed on the casing, and each boss having holes for air and liquid formed therethrough communicating with the upper and lower chambers respectively, and being surmounted by a hood with a common orifice for air and liquid.

1,514,953. APPARATUS FOR MAKING CONTINUOUS SHEET GLASS. JOSEPH P. CROWLEY, Toledo, Ohio, assignor to Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 24, 1919. Serial No. 284,708. 9 Claims. (Cl. 49-17.)



1. In an apparatus for drawing continuous sheet glass, a bending device for the sheet, comprising a rotatable drum, and roller supporting means for the drum through which means the drum is frictionally driven.

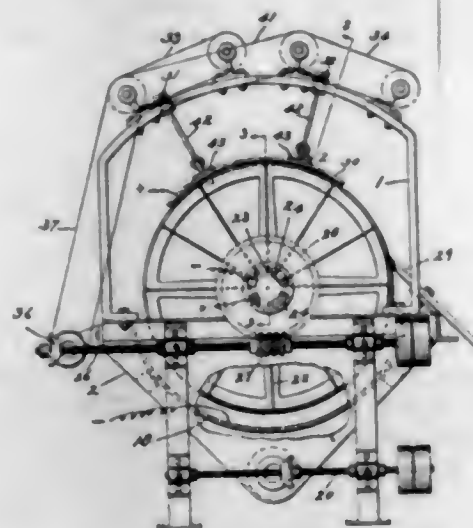
1,514,954. REGISTER MECHANISM AND MEANS FOR OPERATING THE SAME. WILLIAM J. CRUMPTON, Superior, Wis., assignor, by mesne assignments, to William R. Heath, Buffalo, N. Y. Filed Apr. 29, 1908. Serial No. 429,983. 282 Claims. (Cl. 235-60.)



1. In a calculating mechanism, adding and registering means and tens carrying mechanism therefor adapted to operate in an endless chain of carrying operations from first to last and last to first, and selector keys to determine and regulate the extent of operations of said registering means.

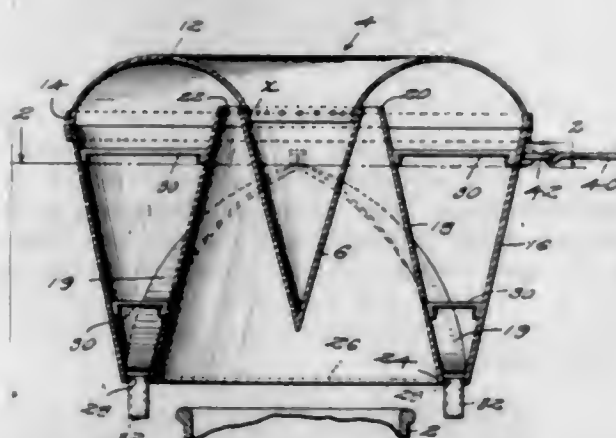
3. In a calculating machine, the combination with a totalizer having a plurality of movable number-bearing members, and an index movable relatively to said members whereby the index will indicate different ones of said numbers to be read or considered, of means for moving said members relatively to said index, and means controlled by the last said means for also shifting the index relatively to said members.

1,514,955. FILTER. GEORGE D. DICKEY and HARRY W. CONRAD, New York, N. Y. Filed Dec. 23, 1922. Serial No. 608,700. 5 Claims. (Cl. 204-25.)



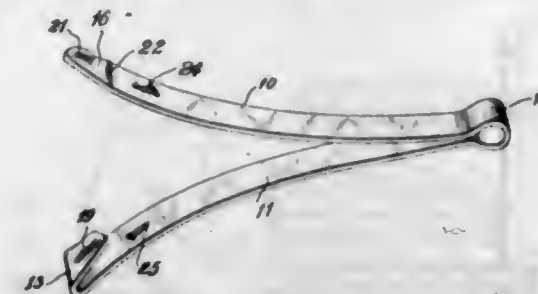
1. A revolving drum carrying a conducting electrode adjacent to its periphery, a container into which the lower portion of said drum extends, a fixed electrode within said container opposed to said lower portion of said drum, and means for negatively charging said fixed electrode and positively charging the portion of the drum electrode opposed thereto, means for maintaining within said drum a partial vacuum co-operating with said electrodes in producing a depositing action, means for rotating said drum, and means for removing the deposit therefrom.

1,514,956. SPARK ARRESTER. JOHN R. DITTBRENNER, Byron, Nebr. Filed Mar. 31, 1923. Serial No. 629,156. 1 Claim. (Cl. 183-103.)



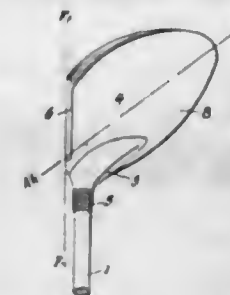
A spark arrester of the class described comprising an outer shell of inverted frusto-conical design, a hood of trough-like design connected with the upper end of said shell and terminating centrally in an inverted dependent cone, an inner shell of substantially frusto-conical design surrounding the aforesaid cone and providing a downwardly tapering annular chamber inside the outer shell, the diameter of the upper end of said inner shell being greater than the base of said inverted cone to provide an annular passageway leading to the last mentioned chamber, brackets connecting the inner and outer shells, an annulus securing the lower edges of said shells and closing the lower end of said annular chamber, said annulus being provided at diametrically opposite points therein with exit openings, a plurality of arcuately designed sector plates disposed within the chamber between said shells, said plates tapering narrower toward their lower ends and terminating immediately adjacent the openings in said annulus to direct the contents of the chamber thereto, and a pair of conduits connected with said openings leading to a distant point.

1,514,957. HAIR-CURLING DEVICE. JOHN C. DORAN, Danbury, Conn. Filed July 21, 1922. Serial No. 576,418. 7 Claims. (Cl. 132-41.)



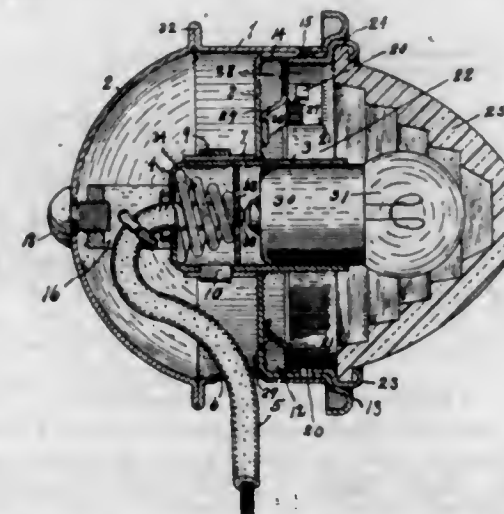
1. In a device of the character described, in combination, a pair of oppositely disposed members of substantially flat material; means connecting said members at one end thereof, said members being adapted to spring away from one another, one of said members being bent backwardly upon itself at the other end thereof and toward said other member, and the other member being adapted upon a relative lateral displacement to have its other end moved under said backwardly bent portion and into engagement therewith; and a finger grip having an exposed side edge associated with one of said members upon the outer face thereof and in proximity to the engaging end thereof.

1,514,958. GOLF CLUB. PIERPONT E. DUTCHER, Upper Montclair, N. J. Filed Sept. 8, 1923. Serial No. 661,607. 6 Claims. (Cl. 46-4.)



3. A golf club head having a striking face, the rearward portion of the head tapering, the horizontal and vertical axes of this taper both being at acute angles to the plane of face and at obtuse angles to shaft.

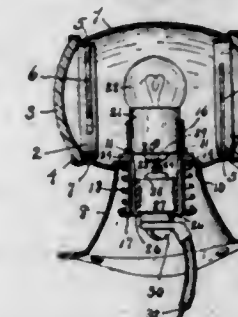
1,514,959. SIDE LIGHT. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 582,718. 5 Claims. (Cl. 240-41.)



1. In a lamp, the combination of a casing, a bulb-holder mounted therein and embodying a connector adapted to receive a lamp-bulb, a support for said bulb-holder embodying a yoke, a screw mounted in the casing and engaging the yoke to secure the bulb-holder in the

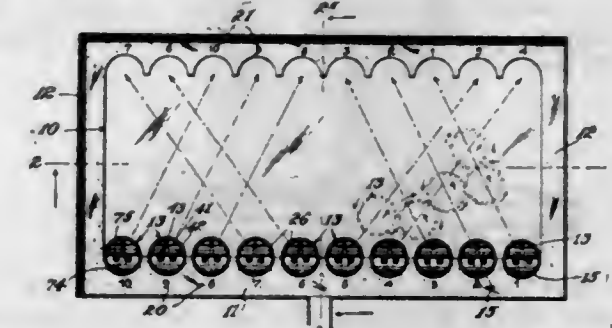
casing, a lens ring mounted in said support and adapted to be removed to give access to the lamp-bulb, resilient means between the lens ring and the support to prevent rattling, and a lens in said ring.

1,514,960. PARKING LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Mar. 31, 1923. Serial No. 628,998. 10 Claims. (Cl. 240-7.)



1. A lamp comprising a body and a pedestal, the body being barrel shaped with lenses in its ends and having a circular recess intermediate its ends and a hole at the middle of the recess, the pedestal having a circular upper end adapted to fit said recess, a connector sleeve mounted in the pedestal and extending into the hole in the body, engaging members mounted in the sleeve and engaging the body to secure the body to the pedestal, and resilient means to hold the sleeve in position.

1,514,961. AMUSEMENT APPARATUS. JULIUS GOLDMAN, Atlantic City, N. J. Filed Aug. 20, 1921. Serial No. 493,966. 17 Claims. (Cl. 104-73.)



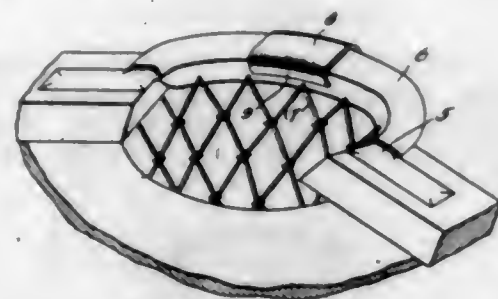
1. In a device of the character described, in combination, a plurality of vehicle starting stations, each having a different indicating characteristic and a plurality of terminal stations each having an indicating characteristic which corresponds to that of a starting station, the paths between a correspondingly indicated stations crossing each other.

1,514,962. UMBRELLA-STRAP RING. EMIL GRIMALDI, Brooklyn, N. Y. Filed Sept. 4, 1923. Serial No. 660,765. 2 Claims. (Cl. 135-37.)



2. The herein described ring comprising a core having abutting straight end portions, a winding of fibrous material surrounding the core, and a second winding surrounding the first mentioned winding and constituting a finished ornamental coating, said second winding including a wire core and an outer relatively expensive fibrous winding, the cutting of which, while the ring is being formed, is prevented by the resilient action of the first mentioned winding.

1,514,963. POOL-TABLE POCKET GUARD. ED HAMBLIN, Jr., Woodward, Okla. Filed Jan. 13, 1923. Serial No. 612,463. 1 Claim. (Cl. 46-12.)

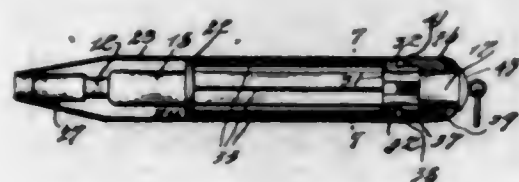


A pocket guard for game tables including a body portion adapted to be positioned over the pocket iron of a game table, said body portion including flanges, ears formed at the ends of one of the flanges, said ears being apertured to receive the cord of which the pocket is formed to secure the guard to the pocket iron.

1,514,964. METHOD OF GENERATING OZONE. FRANK E. HARTMAN, Scottsdale, Pa., assignor to Electric Water Sterilizer and Ozone Company, Scottsdale, Pa., a Corporation of Pennsylvania. Filed Jan. 30, 1923. Serial No. 615,955. 1 Claim. (Cl. 204-32.)

An improvement in the art of producing ozone which consists in subjecting the contents of an ozone generating unit to the influence and action of undamped excessively-high high-frequency alternating electrical currents.

1,514,965. PENCIL. GEORGE W. HEATH, East Orange, N. J., assignor of one-half to Alfred C. Heath, East Orange, N. J. Filed July 29, 1922. Serial No. 578,291 19 Claims. (Cl. 120-18.)

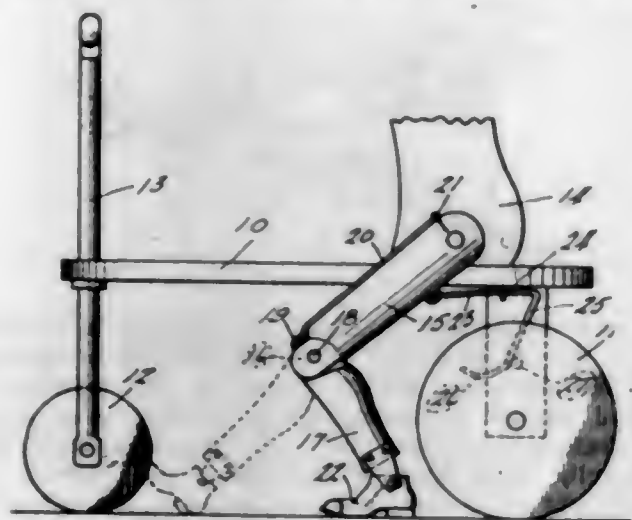


13. In a magazine pencil, a casing, a lead carrier with in same, means to operate the carrier to project same beyond one end of said casing and to retract same, said carrier operating means passing through the opposite open end of the casing, a sleeve open at one end and enclosing the lead carrier and its operating means, said sleeve being spaced from the casing to provide space for the storage of spare leads, a flange carried by said sleeve intermediate the ends thereof, a head at the open end of the sleeve having a plurality of lugs, a rod connecting each lug on the head and the flange on the sleeve to provide a plurality of compartments for spare leads, and a cap for the open end of the casing, said cap being slidable longitudinally of the operating means for the lead carrier, said cap being provided with an annular groove at the end which contacts with the open end of the casing to support spare leads at one end, when said leads project from the magazine.

1,514,966. WALKING TOY. JOHN L. HENRY, Dallas, Tex. Filed Feb. 23, 1923. Serial No. 620,639. 1 Claim. (Cl. 46-43.)

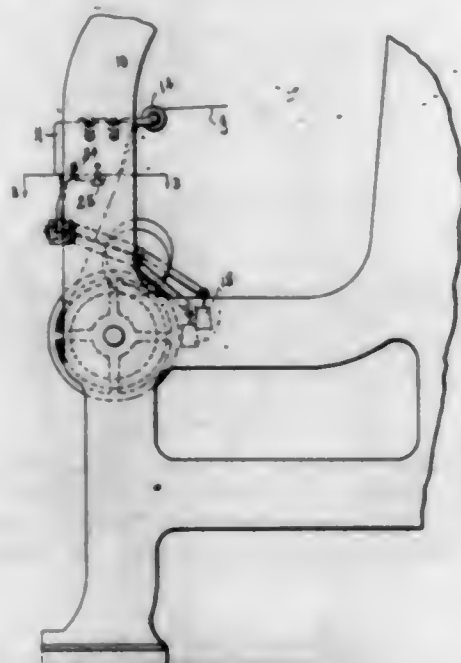
In a toy of the character described, a horizontal platform seat, a wheel supporting the front end of the seat, a pair of wheels supporting the rear of the seat, a figure

having its trunk mounted on the seat, legs pivoted to the body and depending on each side of the seat, means mounted on the seat and engaging the legs for swinging



the same, means on the rear wheels for sliding said leg swinging means, lower limbs hinged to the legs, and elastic connections between the legs and the lower limbs.

1,514,967. TAKE-UP MECHANISM FOR NARROW-WARE LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 20, 1922. Serial No. 545,003. 3 Claims. (Cl. 139-305.)

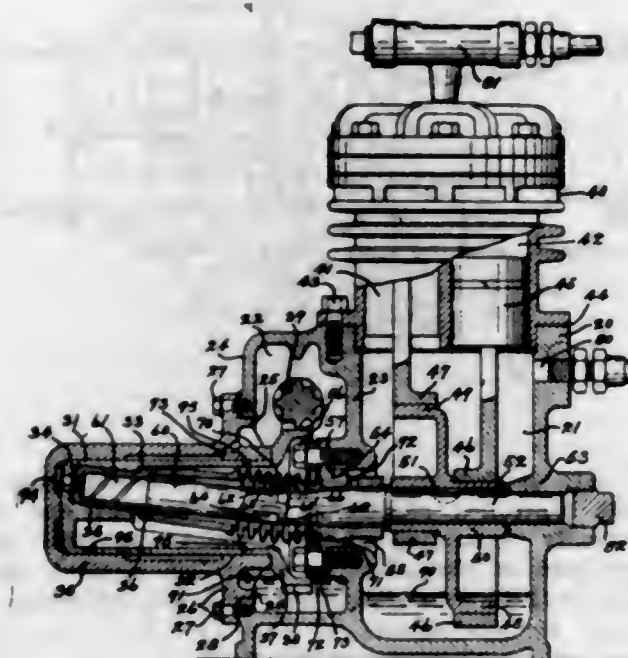


2. In a narrow ware loom for weaving fabric of unequal selvage length, a conical take-up roll, a cloth roll engaged and driven thereby, bearing members for said cloth roll, and means to support said bearing members, said roll being movable toward and from the take-up roll and being also adjustable about vertical and horizontal axes relative to said take-up roll.

1,514,968. REFRIGERATING APPARATUS. HARRY B. HELL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,519. 6 Claims. (Cl. 64-59.)

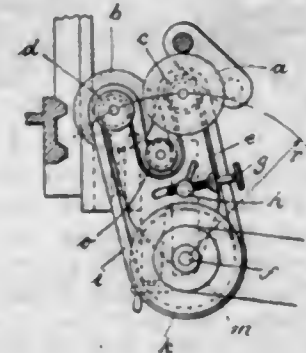
1. In a mechanical movement device, the combination with a driving shaft and crank carried thereby having an eccentrically and obliquely disposed driving portion; of a driven mechanism; means for connecting the driving shaft and driven mechanism including separate ob-

liquely disposed shaft portions, one aligned with the axis of the driving shaft and the other with the axis of said driving portion, and provisions for connecting said shaft portions permitting the adjustment of the



shaft portions in said positions of alignment; and a housing for said shafts including a flexible member permitting one shaft portion to revolve about the axis of the other portion.

1,514,969. APPARATUS FOR GRINDING CRANK SHAFTS. **WITHDRAWN** Filed June 23, 1923. Serial No. 648,574. 3 Claims. (Cl. 51-259.)

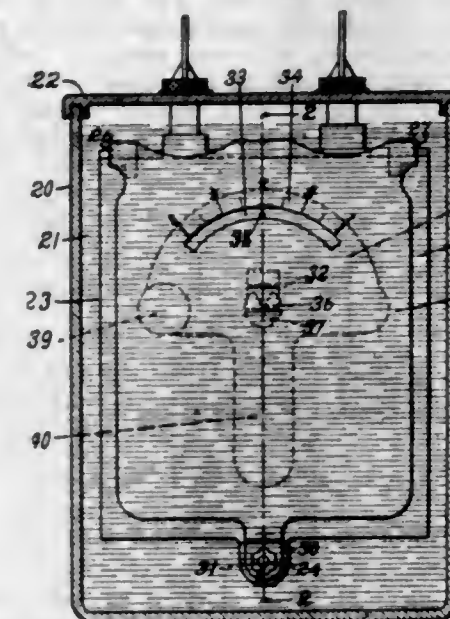


1. In the herein-described apparatus applicable to lathes and other machine tools and adapted for grinding the crank-studs of crank-shafts, the combination, with an arm pivotally mounted on the slide-rest of the lathe, of two rotatable grinding-wheels journaled in the free end of the said pivoted arm and mounted laterally and cross-wise of each other and on separate axes, a driving pulley adjacent to each of the grinding-wheels and secured to its axle, each of the driving pulleys being in a plane with the opposite grinding-wheel and corresponding with its width, and means to rotate the said pulleys and grinding-wheels.

1,514,970. HYDROMETER. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 10, 1918. Serial No. 249,220. 8 Claims. (Cl. 263-44.)

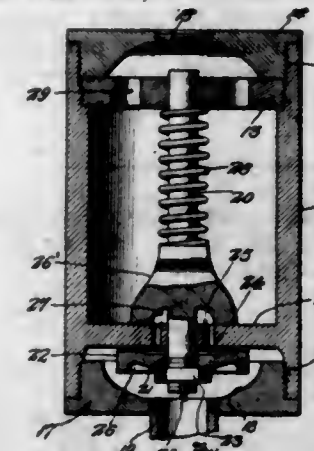
1. In a hydrometer for storage batteries and the like, comprising a movable element; and a support for the

movable element having provisions whereby the support may be secured to one of the battery plates, said sup-



port member having an arcuate slot and being provided with a scale, the movable member having an index adjacent the slot.

1,514,971. OIL CUP. RAYMOND H. KILLINGER, Portland, Me. Filed Feb. 21, 1923. Serial No. 620,474. 2 Claims. (Cl. 184-58.)



1. An oil cup including a body equipped with a partition in its lower end and a washer at its upper end both of which are provided with lubricant openings, a spindle movably mounted in said partition and washer and equipped with a valve engageable over the openings in said partition to normally close communication through the latter, an abutment mounted on the lower end of said spindle the upper face of which is recessed to provide an oil fount the lower face being formed to provide an air pocket, and a pipe engageable in the lower end of said body to direct an air blast into the pocket of said abutment for disengaging the valve, withdrawal of air through said pipe causing the oil in the abutment fount, to be sucked through the pipe.

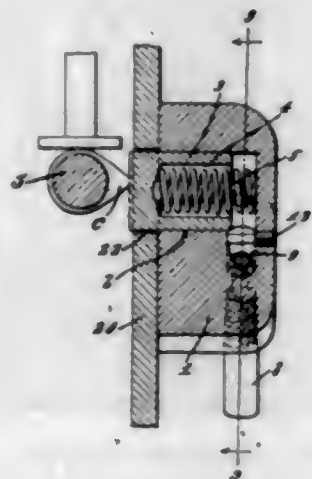
1,514,972. PROCESS OF PRODUCING MOLYBDATES. ALAN KISSOCK, Los Angeles, Calif., assignor to Carl M. Loeb, New York, N. Y. Filed Apr. 1, 1924. Serial No. 703,533. 11 Claims. (Cl. 23-21.)

1. The process of producing molybdates, comprising subjecting a mixture containing molybdenum and iron to an oxidizing roast.

1,514,973. OIL PUMP. WALTER H. KOEHLER and JOSEPH R. CROUCH, Somerset, Tex. Filed Oct. 18, 1922. Serial No. 595,296. 1 Claim. (Cl. 184-6.)

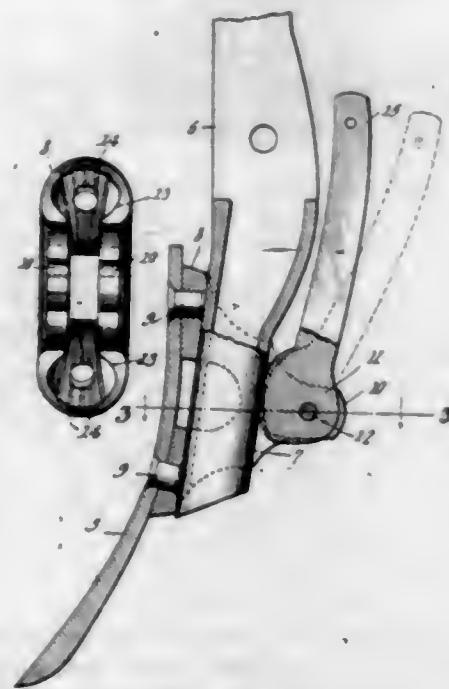
The combination with a casing having a portion for holding oil, an engine, and a housed shaft operated by the engine and including a cam, of a block secured to

the said casing and having a transverse bore extending partly therethrough from the inner side, a spring pressed plunger slidable within the bore and having one end projecting normally into the casing and in the path of the cam for actuation by the cam, separate ports radiating from said bore and within the block, a supply pipe connecting one of the ports with the oil holding portion of the casing, the inner portion of said port being coun-



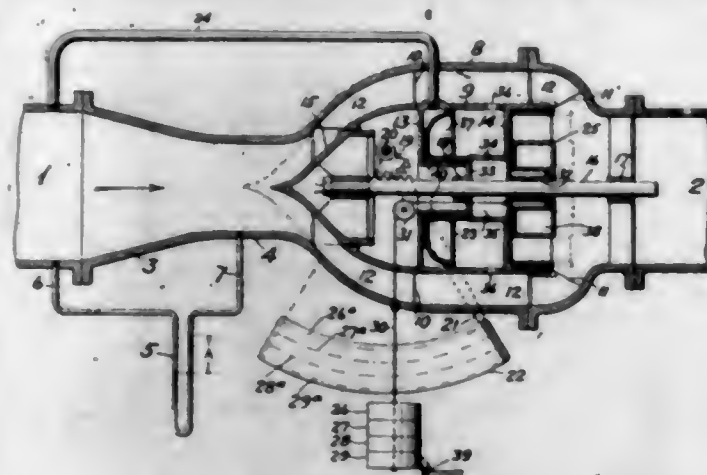
terbored, the outer portion of the other port being counterbored, an outlet pipe extending from said last named counterbored portion, and valves seated within the respective counterbores, there being an aperture in the block aligning with one of the ports through which the valve in said port is removable, a plug normally closing said aperture, and a retaining member in the counterbore of the supply port for holding the valve against displacement.

1,514,974. SHOVEL. CLAYTON W. LADD, Dubuque, Iowa. Filed Apr. 12, 1921. Serial No. 460,737. 1 Claim. (Cl. 97-193.)



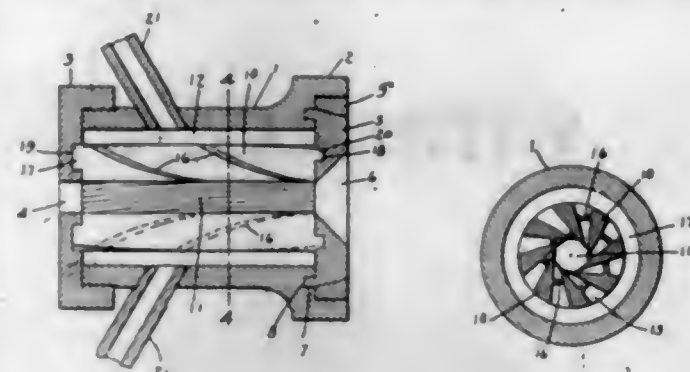
A shovel attaching means including a split collar, having grooves formed therein, said grooves providing a roughened inner surface, said split collar adapted to be secured to a shovel plow, a pivot pin connecting the side walls of the split collar, a lever mounted on the pivot pin and having an eccentric formed at one end thereof, said eccentric adapted to engage the shovel plow supporting standard to draw the roughened surface of the sleeve into engagement with the standard to hold the shovel plow against movement.

1,514,975. RATE OR FLOW CONTROLLER. CHESTER W. LARNER, Philadelphia, Pa. Filed Nov. 28, 1921. Serial No. 518,292. 10 Claims. (Cl. 137-78.)



3. A rate or flow controller having in combination a manually controlled regulating orifice element and an automatically controlled element which regulates the effective head on the manually controlled element, said elements being in coaxial relation with the waterway.

1,514,976. MEANS FOR PRODUCING AN AIR LINING WITHIN A NOZZLE CONSTRUCTION. WILLIAM E. LEWIS, Indianapolis, Ind. Filed May 14, 1921. Serial No. 469,644. 10 Claims. (Cl. 299-140.)



1. In a nozzle construction a hollow housing, a plurality of spaced bars forming a bore longitudinally of said housing through which particles are conveyed at high velocity, and means for directing air into the space between said housing and bars for forming a bank or cushion of air between the particles passing through the nozzle and the wall of the bore of the nozzle.

1,514,977. PROCESS OF MAKING MOTOR FUEL. KARL P. McELROY, Washington, D. C., assignor of one-half to Alfred M. Houghton, Washington, D. C., and one-half to Richard Franchot, Niagara Falls, N. Y. Filed Apr. 5, 1922. Serial No. 549,876. 3 Claims. (Cl. 44-9.)

1. The process of making a motor fuel which comprises passing acetylene through an acid solution in order to convert part but not all of it into acetaldehyde, drying the mixture of acetylene and acetaldehyde to remove water vapor and directly compressing into a liquid.

1,514,978. WELL STOPPER. GEORGE HENRY MCLAN, Tampico, Mexico. Filed May 24, 1923. Serial No. 641,190. 5 Claims. (Cl. 106-13.)

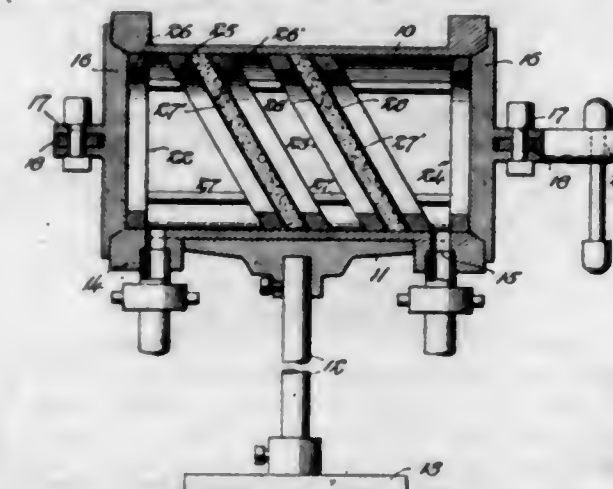
1. A well stopper comprising an annular suspension frame adapted to be lowered in a well bore, locking means carried by the suspension frame for engaging the wall of the bore to hold the frame against upward move-

ment in the bore, an elongated radially expansible closure carried at the lower end of the suspension frame, means extending vertically through the closure and the



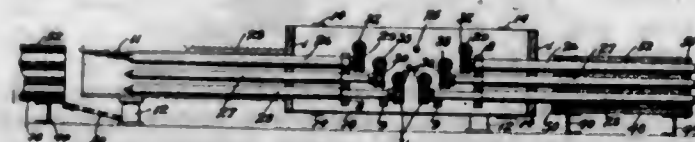
suspension frame whereby the closure may be expanded radially, and frangible means connecting said suspension frame with said closure expanding means and normally preventing operation of the latter.

1,514,979. LIQUID FILTER. THOMAS F. McMILLIN, Streator, Ill. Filed Sept. 26, 1922. Serial No. 590,740. 3 Claims. (Cl. 210-135.)



1. A filter comprising a cylinder having inlet and outlet openings, a closure for each end of said cylinder, a plurality of screen supports arranged within said cylinder and retained therein by said closures, and filtering material disposed between adjacent screen supports, each of said screen supports including a pair of relatively spaced rings and each of the supports adjacent to the respective closures having one ring disposed at right angles to the axis of said cylinder and the other inclined with respect to said axis.

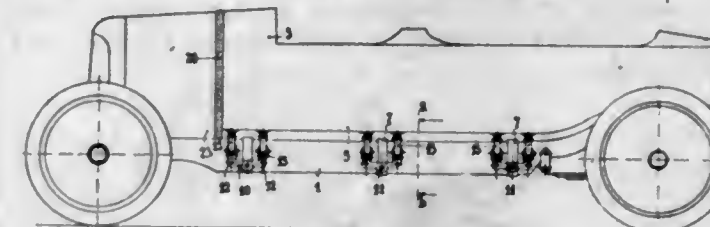
1,514,980. BUILDING-BLOCK MACHINE. JOHN H. MATHIS, Beverly, Wyoming Township, Mich. Filed Feb. 5, 1923. Serial No. 617,147. 6 Claims. (Cl. 25-41.)



1. In a machine of the class described, a carriage, means for mounting the carriage for movement back

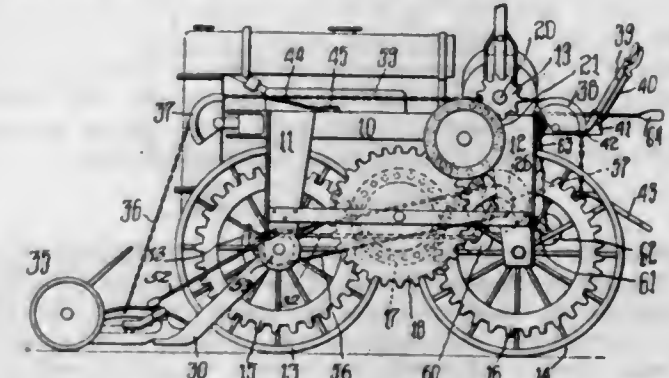
and forth between two positions, a plurality of cores projecting from opposite ends of the carriage, and means for driving all of the cores to rotate the same about their longitudinal axes simultaneously, substantially as described.

1,514,981. MOUNTING OF MOTOR-CAR BODIES ON THEIR CHASSIS. BLAISE FRANÇOIS FÉLIX MERVILLE, Levallois-Perret, France. Filed Mar. 20, 1924. Serial No. 700,055. 2 Claims. (Cl. 296-35.)



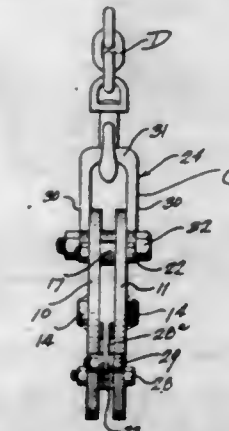
1. A mounting of a motor car body on its chassis, whereby the two are elastically connected to each other in such a manner as to assure a good flexible and noiseless suspension of the car body, this mounting comprising a central axle which is attached to the car body and is capable of rocking in bearings carried by transverse angle bars attached to the chassis; elastic devices interposed on the sides of the car body between the said sides and the chassis; and an elastic joint between the front part of the car body and the dash-board ledge on which the bonnet rests for the purpose of preventing noise and damage.

1,514,982. AGRICULTURAL IMPLEMENT. JOHN M. MEYERS, Janesville, Wis. Filed Jan. 17, 1920. Serial No. 352,137. 15 Claims. (Cl. 56-25.)



1. The combination with a tractor frame, of a harvester mechanism carried thereby, a bearing member supported in said tractor frame, a ground wheel rotatably mounted upon said bearing member, and driving means for said mechanism comprising a shaft rotatably mounted within said bearing member.

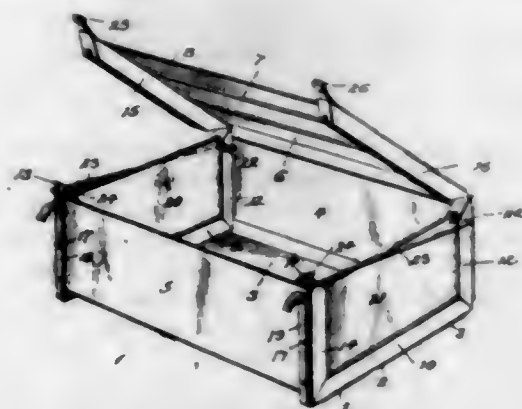
1,514,983. HOISTING CLAMP. HENRY MONNICH, Detroit, Mich. Filed June 30, 1921. Serial No. 451,731. 2 Claims. (Cl. 294-114.)



1. As an article of manufacture, a supporting body for hoisting clamps comprising a pair of plates each having non-communicating and aligning slots therein,

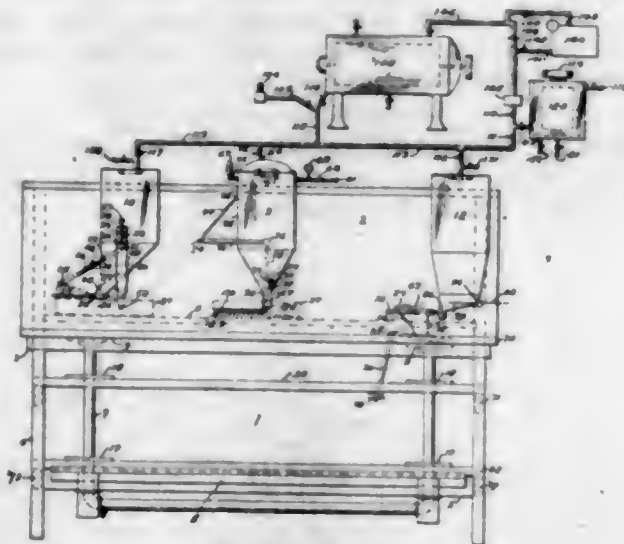
one of said slots of each plate opening upon the periphery thereof and the other slot being enclosed, a plurality of bolts transversely connecting said plates so that similar slots thereof are in transversely aligning relation, and spacing collars about said bolts intermediate said plates to maintain said plates in predetermined spaced relation.

1,514,984. KNOCKDOWN CRATE. JOHN A. MOORE, Louisville, Ky., assignor to The Mengel Company, Louisville, Ky., a Corporation of New Jersey. Filed Feb. 14, 1924. Serial No. 692,761. 4 Claims. (Cl. 217-12.)



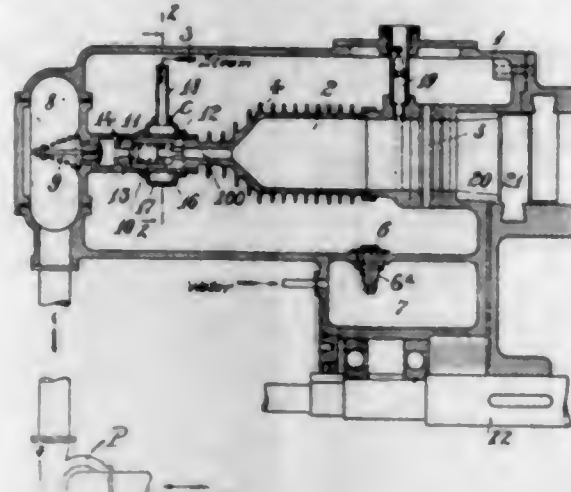
1. In a knock-down crate, the combination of a bottom, front, back and top; means securing said elements together so that they may be turned outwardly into a flattened condition and likewise brought to set-up position; battens secured to the front, the upper ends whereof extend upwardly to a slight extent above the upper edge of the box front; and means pivotally attached to another of the box elements, said means detachably engaging said upwardly extending batten ends and serving to hold the elements together in their set-up position while leaving the top free to be opened or closed.

1,514,985. PROCESS OF POSITIONING MATERIALS. WILSON R. MYERS, Portland, Oreg., assignor, by direct and mesne assignments, of one-third to George W. Burt and one-third to George W. Weatherly, both of Portland, Oreg. Filed May 19, 1919. Serial No. 298,248. 5 Claims. (Cl. 62-174.)



1. The process of making brick ice cream which consists in preforming and successively depositing a plurality of layers of partly frozen material one top of the other, and then exposing the mass to a freezing temperature.

1,514,986. METHOD OF OPERATING GAS-STEAM TURBINES. HANS G. NISSEN, Berlin-Steglitz, Germany. Filed July 23, 1920. Serial No. 398,571. 1 Claim. (Cl. 60-42.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



A gas-steam turbine, comprising a combustion chamber in communication with a rotor of the turbine; a fuel chamber, a water jacket surrounding said combustion chamber and forming a steam generator; a valve in the water jacket and in direct communication with both of said chambers and said water jacket; and tubes in said combustion chamber communicating with said water jacket for generating steam therein, said valve being adapted to shut off the steam generator from communication with the combustion chamber while the fuel is fed into the combustion chamber, and shutting off the fuel supply concomitantly placing the combustion chamber in communication with the steam generator for the purpose of supplying a stream of energy to the rotor of the turbine.

1,514,987. GARMENT HANGER. CHARLES R. NORMANDY, Washington, D. C., assignor to Clogard Wardrobe Company, Inc., Washington, D. C., a Corporation. Filed Oct. 27, 1921. Serial No. 510,514. 1 Claim. (Cl. 211-13.)

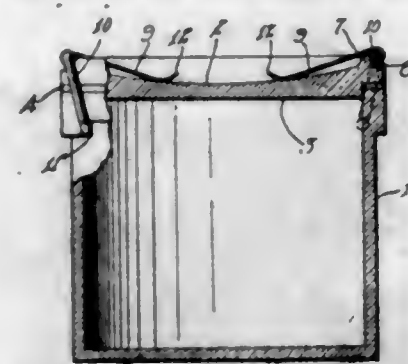


A garment hanger made from a single piece of wire twisted upon itself intermediate its ends to form a garment suspension hook, and coiled intermediate one end and said hook to form a spring, the wire beyond the coil functioning as a trouser bar and terminating at its free end in an eye, the other free end of the wire terminating in a hook positioned within the outside dimension of the hanger and in the longitudinal vertical plane of the hanger, the eye of the trouser bar being adapted to interlock with said hook, said bar, when engaged with the hook, serving as a compression member to maintain the ends of the garment hanger in definite spaced relation.

1,514,988. JAR. HENRY H. ORDUNG, Laporte, Ind. Filed Apr. 30, 1923. Serial No. 635,732. 1 Claim. (Cl. 215-87.)

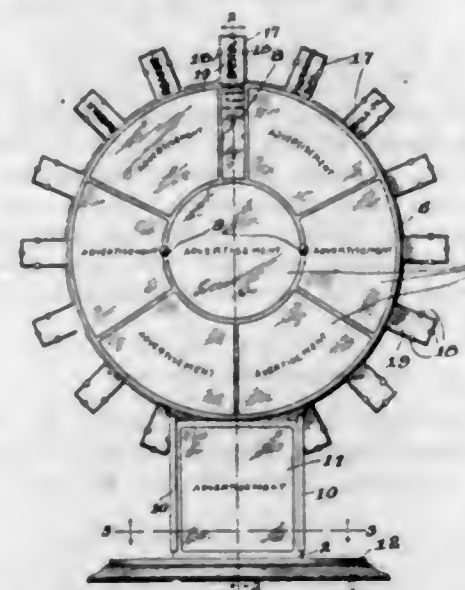
The combination with a jar having a cover, a flange disposed on the top of said cover and being spaced from the edge thereof, of clamps carried by said jar, wires pivotally connected to said clamps and to said jar, each clamp being adapted to contact with said cover in two places when swung into clamping position, said

clamps having a cover engaging portion adapted to contact with said cover adjacent to the exterior side of said flange, and to remain in this position during the entire movement of said clamps, into clamping en-



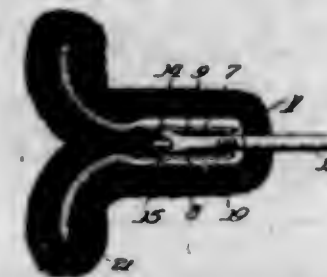
gagement, said wires being connected to the clamps, and to the jar in such a manner that the portions of the wires extending between the clamps and the jar project inwardly toward the center of the jar from the pivotal connection of the clamps with the wires.

1,514,989. ADVERTISING DEVICE. WILLIAM J. H. PAGE, Richmond, Va. Filed Nov. 15, 1923. Serial No. 674,945. 3 Claims. (Cl. 40-70.)



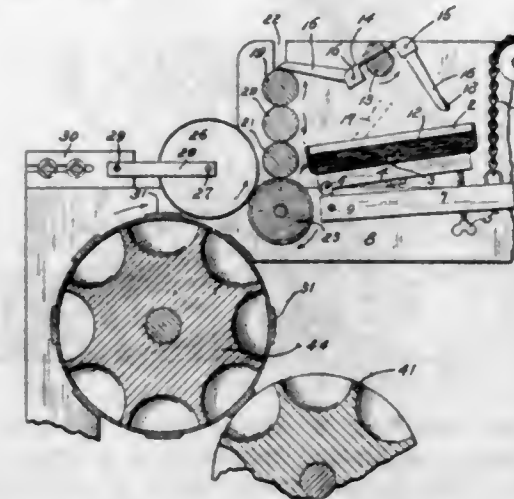
1. An advertising device comprising a base, a standard supported thereon, a disc formed at the outer end of said standard, said base, standard and disc being provided with spaces for advertising matter, said disc being provided with a window, and a rotary disc provided with a plurality of radially extending arms mounted adjacent said disc, said arms being adapted to receive suitable data and to selectively register with said window.

1,514,990. DUST MOP. WILLIAM H. PLUNKETT, Chicago, Ill. Filed Jan. 27, 1922. Serial No. 532,080. 3 Claims. (Cl. 15-229.)



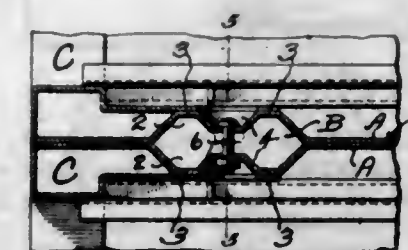
1. A mop, comprising a substantially U-shape frame having an aperture therein and having the ends of its side members bent outwardly away from each other, a mop swab provided with pockets adapted to receive said frame ends, and a latch carried by said swab and adapted to be detachably engaged with said aperture to lock said swab to the frame.

1,514,991. INKING DEVICE FOR PRINTING MACHINES. WILLIAM H. REES, Los Angeles, Calif. Filed Oct. 30, 1923. Serial No. 671,699. 6 Claims. (Cl. 101-350.)



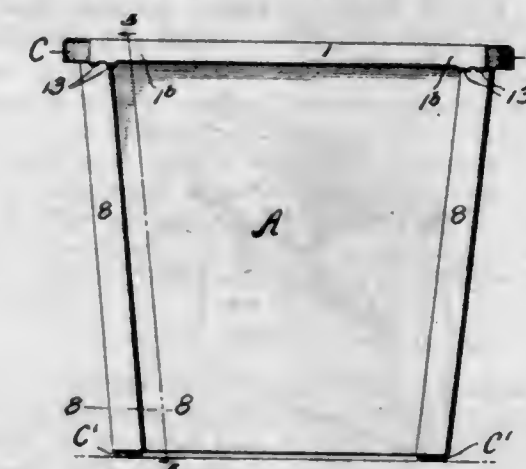
1. An inking device comprising one or more centrally pivoted circular fountains; and yieldable fingers adapted to revolve in a vertical plane above said fountains and to drag eccentrically across the surface of ink therewithin to become inked while causing said fountains to rotate.

1,514,992. CABINET-JOINING CONSTRUCTION. FRED A. SCHMITZ, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed June 3, 1921. Serial No. 474,603. 1 Claim. (Cl. 45-2.)



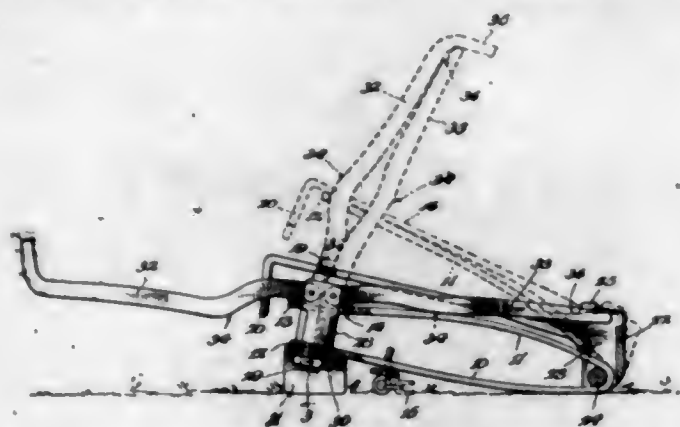
A tensioned fastening construction for connecting the metallic side walls of filing cabinets consisting of the adjacent abutting cabinet walls each having pressed-in registering channels, and a fastening for drawing the bottom walls of said channels toward each other to connect the cabinets in tension.

1,514,993. METALLIC WASTEBASKET. FRED A. SCHMITZ, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Feb. 23, 1922. Serial No. 538,561. 9 Claims. (Cl. 220-73.)



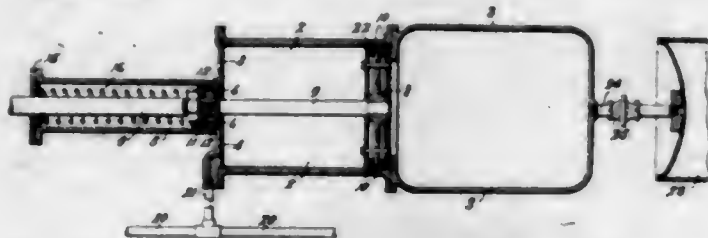
1. A metallic basket having at its top edge a surmounted bead, provided with openings at its corners, a cushion member arranged in each corner opening, and means secured within the bead for holding the latter in position.

1,514,994. ANIMAL TRAP. FREDERICK W. SCHOTT, Lolo Hot Springs, Mont. Filed Aug. 10, 1923. Serial No. 656,659. 10 Claims. (Cl. 43-88.)



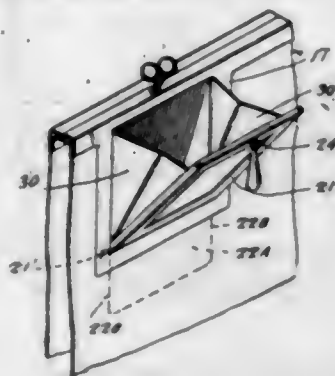
7. A trap including a spring arm, coacting jaws actuated thereby, a pivoted treadle, and a latch carried by the treadle to extend transversely of the plane of movement thereof engaged with one of said jaws for holding the trap set, the latch being movable relative to the treadle.

1,514,995. AUTOMATIC AIR BRAKE. ANTONY SILVERNE, Victoria, British Columbia, Canada. Filed Mar. 31, 1923. Serial No. 629,162. 3 Claims. (Cl. 303-32.)



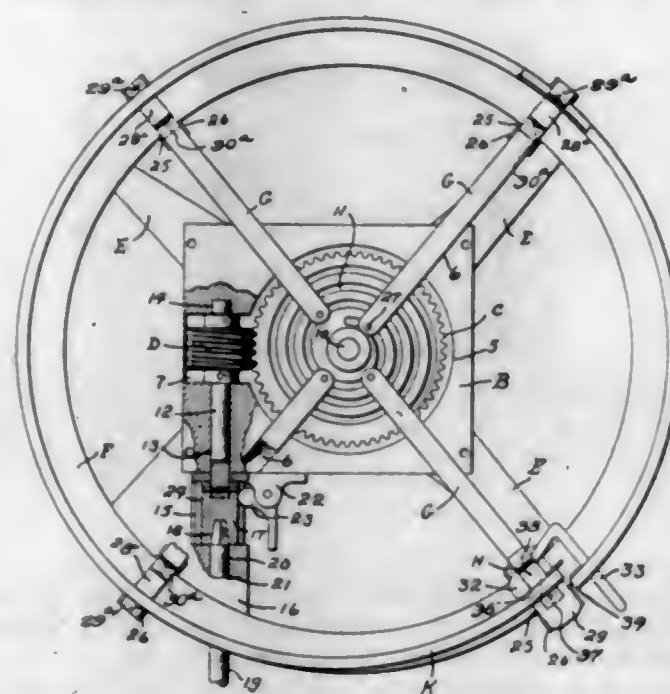
1. An automatic air brake, comprising the combination with a brake cylinder, an auxiliary reservoir connected to one end of the cylinder to be in direct communication therewith, a cover on the opposite end of the brake cylinder, a piston endwise movable in the brake cylinder, a rod connected to the piston and passing axially through the cover, a spring normally holding the piston of the brake cylinder at the backward limit of its movement therein toward the reservoir, means on the piston rod for air sealing it on the cover when the piston of the brake cylinder is at the backward limit of its movement therein, means for delivering air directly from the train pipe to the forward end of the brake cylinder, and means for passing air from the forward side of the piston to the opposite side of the same.

1,514,996. HAND BAG. MASSEY SITNEY, Brooklyn, N. Y. Filed Sept. 19, 1921. Serial No. 501,776. 5 Claims. (Cl. 150-29.)



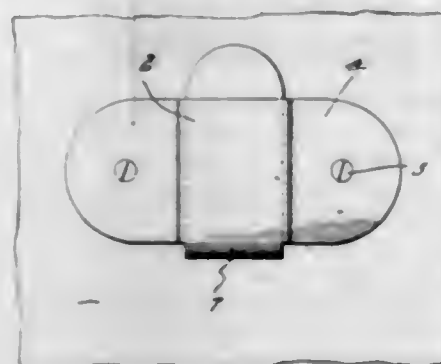
1. A bag comprising a frame having an auxiliary frame rigidly connected therewith, a closure frame member pivoted to the auxiliary frame and adapted to swing outwardly relative thereto and flexible means connecting the pivoted frame member to the auxiliary frame.

1,514,997. APPARATUS FOR CONTRACTING AND EXPANDING DEMOUNTABLE RIMS. MARTIN R. STAVEN, Brookings, S. Dak. Filed Aug. 3, 1920. Serial No. 401,472. 1 Claim. (Cl. 157-1.)



A device of the class described comprising a housing, diverging arms extending from said housing adapted to support a tire rim, means within the housing to move said arms radially thereof to cause a corresponding movement in the tire rim, a tire rim supporting bracket slidably mounted in a longitudinal slot in one of said arms, said bracket having a transverse slot therein, a cam pivotally mounted on said arm and adapted to oscillate in said slot to move said bracket to disconnect the joint of a tire rim.

1,514,998. TICKET HOLDER. HENRY H. THIESEN, Dalmeny, Saskatchewan, Canada. Filed Oct. 24, 1923. Serial No. 670,498. 1 Claim. (Cl. 40-11.)

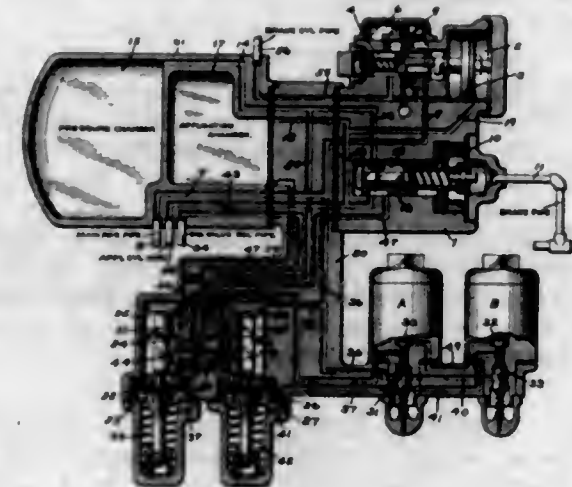


A ticket holder comprising a plate, a pocket provided at the intermediate portion of the plate, the outer wall of the pocket being provided with a tongue extending from the lower edge of the pocket, the said tongue being bent back and disposed through the pocket with its free end extending above the upper edge of the pocket, the said tongue being provided at an intermediate point with a hump located within the pocket and disposed toward the outer side thereof.

1,514,999. ELECTROPNEUMATIC BRAKE. THOMAS H. THOMAS, Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 3, 1923. Serial No. 616,812. 12 Claims. (Cl. 303-15.)

1. In an electro-pneumatic brake, the combination with electrically controlled mechanisms, of means operative upon energization of one mechanism and the de-

energization of the other mechanism to establish communication through which fluid under pressure is supplied to effect an application of the brakes and operative



upon deenergization of both mechanisms for closing communication through which fluid is supplied to effect an application of the brakes.

1,515,000. SNUFF DIPPER. WILLIAM J. THOMPSON, Clyde Park, Mont. Filed July 20, 1920. Serial No. 397,634. 5 Claims. (Cl. 131-16.)



5. A snuff taking implement comprising an annular band having its terminals arranged in overlapped relation, outwardly extending guide flanges formed on the side edges of one terminal of the band, said terminal of the band having a plurality of openings formed therein, a tongue formed on the opposite terminal of the band arranged to fit in any one of said openings, and upwardly extending handles formed on one edge of said band.

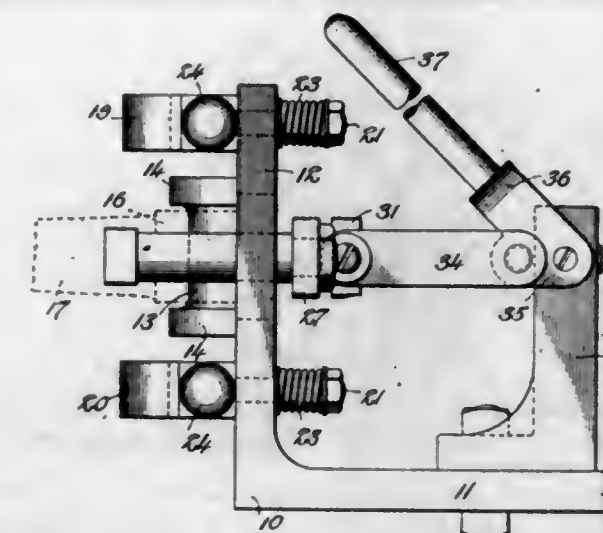
1,515,001. PROCESS FOR OBTAINING LITHIUM SALTS OR METALLIC LITHIUM. CONWAY VON GISEWALD and HANS WEIDMANN, Frankfurt-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1923. Serial No. 633,319. 14 Claims. (Cl. 75-18.)

1. A process for the production of lithium or its compounds which comprises preparing a solution containing lithium, precipitating the lithium therefrom in the form of a fluoride, and separating the precipitate.

1,515,002. MOLDING MACHINE. EVERETTE A. WATKINS, Wichita, Kans., assignor to The Watkins Manufacturing Company, Wichita, Kans., a Corporation of Kansas. Filed Feb. 6, 1923. Serial No. 617,260. 8 Claims. (Cl. 22-123.)

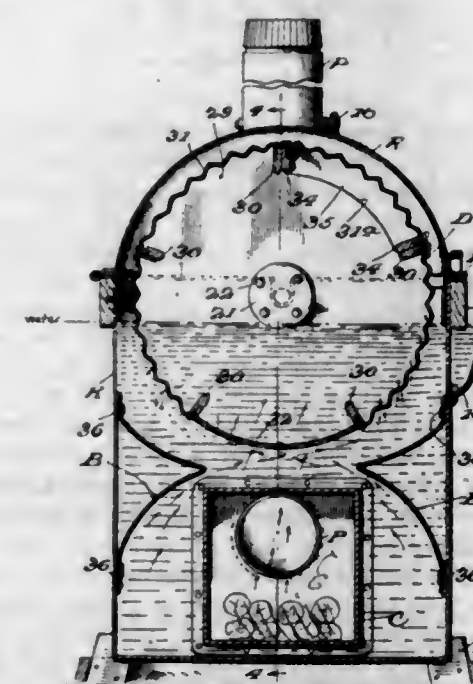
1. A machine of the character described comprising a base plate, a die thereon, and means for clamping a

piece of work against said base plate in operative relation to said die comprising a pivoted lever, a dog engage-



able with the work, and a yieldable connection between said dog and said lever.

1,515,003. COMBINED WASHING MACHINE AND PRESERVING APPARATUS. IRA GAYLORD WATSON, Anderson, S. C. Filed Nov. 14, 1922. Serial No. 600,907. 2 Claims. (Cl. 68-18.)

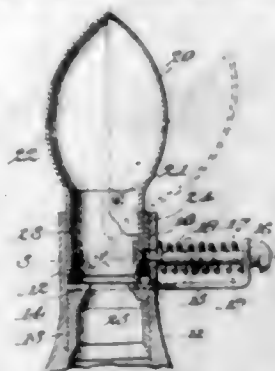


1. An apparatus of the character described comprising a water container, a second container mounted therein constructed of foraminous material, a heating compartment also mounted therein, water passages around the side, top and bottom walls of said heating compartment, a plurality of baffle plates substantially V-shaped in cross section and secured by their diverging edges to the inner side walls of said water container, and the unsecured edge thereof extending toward the center of said container above the heating compartment and substantially parallel to the top thereof as and for the purpose set forth.

1,515,004. DISPENSING CONTAINER. HERBERT WEINBAUM and LOUIS M. FERRER, Bronx, and HENRY LEONARD, Brooklyn, N. Y. Filed Aug. 7, 1922. Serial No. 580,224. 2 Claims. (Cl. 221-95.)

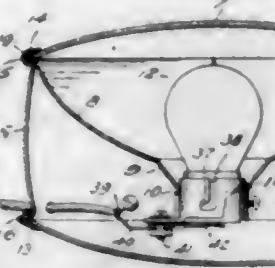
1. A dispensing container having an outlet at which are arranged a pivotally mounted spoon shaped closure member and a horizontal slidable closure member, and means which holds the spoon shaped closure member normally in a closed position and the slidable closure

member normally in an opened position, the said means being operable to move closure members simultaneously to reverse the positions thereof, said first mentioned



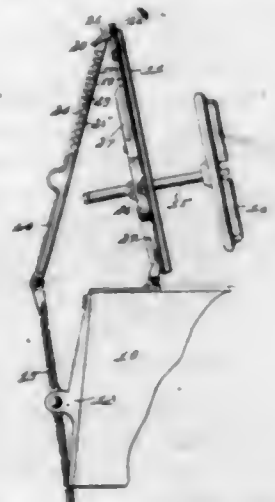
closure member including a stationary part and a movable part having a tail for co-action with said horizontal closure member.

1,515,005. SPOTLIGHT. ANTOINE E. WOLTER, Everett, Wash. Filed Sept. 20, 1922. Serial No. 589,408. 1 Claim. (Cl. 240-7.)



In a spotlight comprising a detachable lens and a detachable mirror, a body arranged between said lens and said mirror and formed with flared edge portions bent to support the lens and mirror, said flared edge portions being inclined to present an angular bearing surface toward the peripheral edges of the lens and mirror, a lamp carrying member disposed with a portion thereof interposed between the peripheral edge of the lens and the adjacent flared edge portion of the body, means engaging the edge portions of the body and the lens and mirror for maintaining the assembly, a block member carried by the body and formed with a plane bearing surface, and a handle integrally formed on the block member and extending laterally therefrom to facilitate manipulation of the spotlight.

1,515,006. RACK FOR OPERATING MECHANISM FOR WASHING MACHINES. OLIVER B. WOODROW, Newton, Iowa. Filed Oct. 10, 1923. Serial No. 668,837. 5 Claims. (Cl. 74-14.)



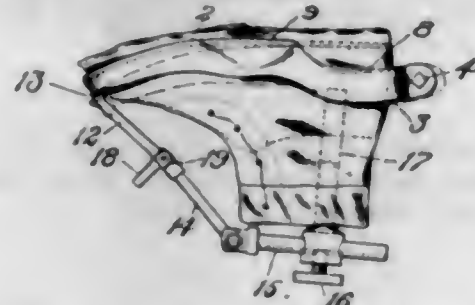
1. In a device of the class described, the combination of a body, a hinged cover thereon, a pinion supported by the hinged cover, a rack bar pivotally supported at the side of the body beyond the hinged point of the cover, and a loop pivoted to the cover normally lying in

the path of the rack bar, said parts being so arranged and proportioned that when the cover is being opened, the end of the rack bar will pass under said loop, and when the cover is swung to open position past a vertical line, the rack bar will be held by said loop against further outward movement relative to the cover, for the purposes stated.

1,515,007. BASE-EXCHANGE MATERIAL AND PROCESS OF MAKING SAME. ABRAHAM S. BEHEMAN, Chicago, Ill., assignor to International Filter Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 8, 1923. Serial No. 667,416. 21 Claims. (Cl. 23-13.)

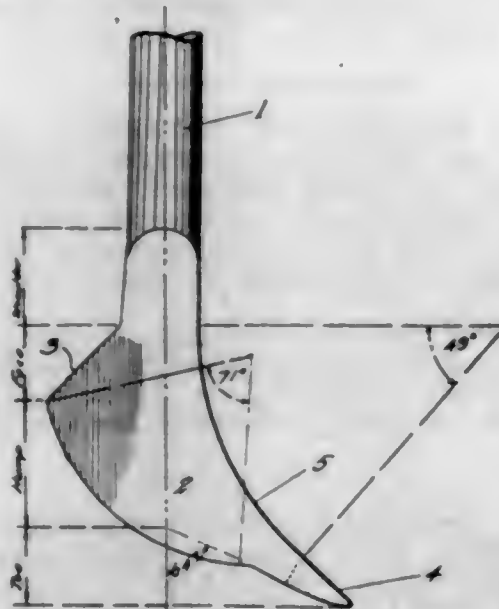
1. The process of producing a base exchange material which comprises mixing a solution of a salt of an amphoteric metal with a solution of an alkali metal silicate to form a gel embracing substantially all of the constituent elements of the mixture.

1,515,008. LASTING APPARATUS. ELI BROTHERS, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 14, 1912, Serial No. 720,380. Renewed May 6, 1918. Serial No. 232,979. 31 Claims. (Cl. 12-7.)



1. Apparatus of the class described comprising a lasting device shaped to embrace the toe of a last and formed in vertical cross section to conform to the vertical contour of the toe end of the last, said device being constructed and arranged for manipulation to wipe the upper stock upwardly about the end and side faces of a shoe toe into lasted relation to said faces and for temporary attachment to said shoe for holding the upper stock in such lasted position while the shoe is being subsequently handled for presentation to an upper and sole connecting machine.

1,515,009. CLAW BAR. WILSON A. BUMP, Pittsfield, Mass. Filed May 24, 1922. Serial No. 563,301. 2 Claims. (Cl. 254-25.)



1. A claw-bar for removing railroad spikes and the like, comprising in combination, a shank bar with one end portion provided with a handle, and the other end

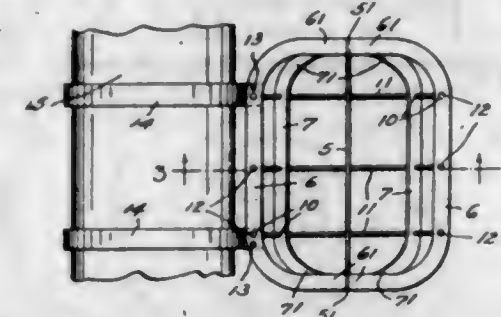
portion with an engagement head, said head having a transversely swelling body with the front portion curvilinearly projecting in front of the shank bar and having a spike-head-receiving recess therein, the said curvilinear portion having an arc of about 40 degrees, and an integral hump in rear of the toe portion and projecting in rear of the shank bar adapted to provide a rolling fulcrum for the bar on an arc of about 71 degrees whereby the spike acted upon by the toe will be pulled out without bending thereof or enlarging the hole from which it is taken substantially as described.

1,515,010. EXTENSION STEPLADDER. EMILIO CARDARELLI, Boston, Mass. Filed May 15, 1923. Serial No. 639,102. 2 Claims. (Cl. 228-18.)



1. A ladder of the class described having a front section having a hinge device secured thereto, said hinge device comprising a swinging leaf provided with a guide, a rear section sliding in said guide, and a stop carried by the swinging leaf and engageable with a fixed part of the front section to limit movement of said leaf with its guide.

1,515,011. RECEPTACLE. EDWARD J. COTTER, Seattle, Wash. Filed Mar. 22, 1923. Serial No. 626,784. 3 Claims. (Cl. 45-28.)

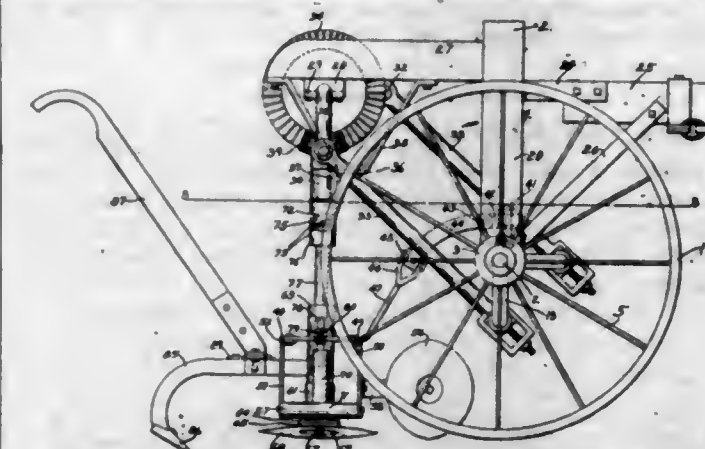


1. In a receptacle of the class described, an upper frame member, a plurality of U-shaped members having their ends attached to each other and to the upper frame member by a common fastening means, said U-shaped member being provided with spaced apertures and diverging from their points of attachment with the upper frame member to form a substantially flat bottom rectangular receptacle, and a plurality of parallel U-shaped members attached to said frame member and slidably engaging in the apertures of said first named U-shaped members.

1,515,012. COTTON CHOPPER. JOHN TAYLOR DAVIS, Dayton, Ohio. Filed Feb. 9, 1924. Serial No. 691,762. 18 Claims. (Cl. 97-17.)

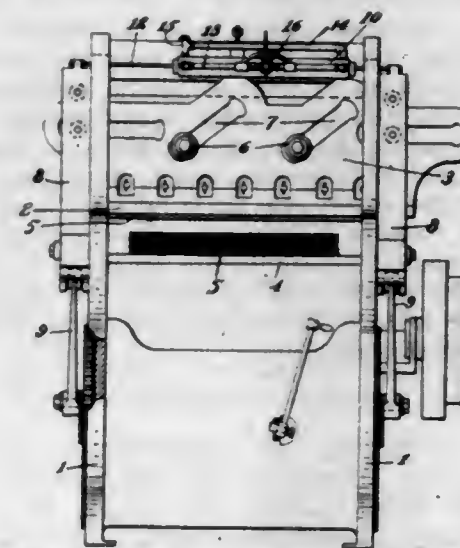
1. In a cotton chopper, the combination with a wheel-supported main frame, of a chopper frame pivotally secured to the latter, rotatable chopping devices mounted

for a swinging movement in the chopper frame, driving means in the main frame, and a universal and sliding connection between the driving means and the chopping



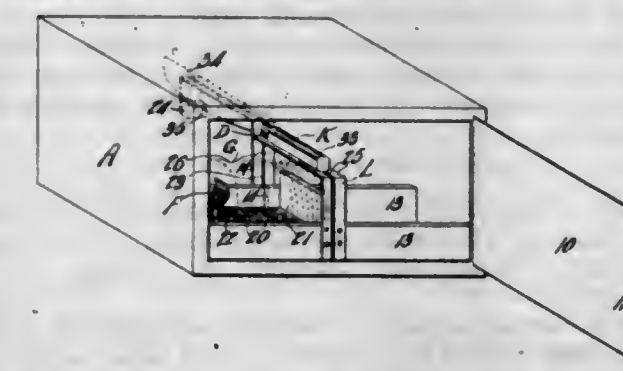
devices for the purpose of turning them irrespective of the angular positions of the main frame and the chopper frame relative to each other.

1,515,013. PAPER-CUTTING MACHINE. BENJAMIN F. DE COSTA, Roxbury, Mass., assignor of one-half to himself and one-half to William A. De Costa, New Bedford, Mass. Filed Feb. 10, 1922. Serial No. 535,667. 7 Claims. (Cl. 164-54.)



1. In a machine of the class described, a pair of draw arms, a tie rod connecting said arms, a stock clamp and a knife bar operated by said draw arms, operative connections between said clamp and knife bar for imparting independent travel in an endwise direction to said knife bar, and a dash pot, one member of which is attached to the knife bar and the other member of which is mounted on the tie rod for offering a resisting pressure to the knife bar upon endwise movement of said bar in the cutting operation.

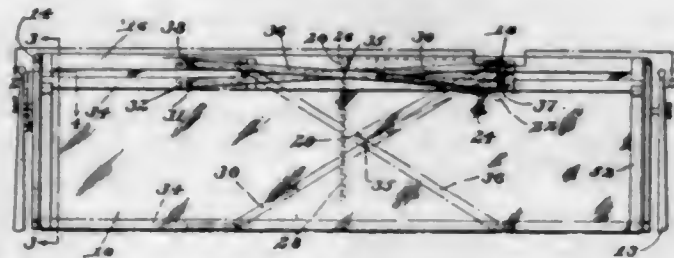
1,515,014. SLICING APPARATUS. CHARLES F. DOWNS, Cleveland, Ohio. Filed Feb. 25, 1924. Serial No. 694,822. 10 Claims. (Cl. 146-150.)



1. A slicing apparatus, including, a bracket means having upright portions provided with a slot to guide the blade of a slicing knife while the same is in operation,

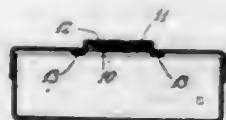
a horizontal portion for the handle of said knife to rest upon while the same is not in operation, means to support the front portion of said blade while the same is not in operation, and means to retain said blade in position ready for operation.

1,515,015. WINDOW CLEANER. ARTHUR J. DRISCOLL, Jamaica Plain, and FRANK A. REINHARD, Reading, Mass., assignors to Utility Manufacturing & Sales Corporation, Boston, Mass., a Corporation of Massachusetts. Filed June 1, 1921. Serial No. 474,134. 5 Claims. (Cl. 15-251.)



1. A window cleaner having a wiper extending along one edge of the surface that is to be cleaned, combined with means for moving the wiper over the said surface, meanwhile maintaining its successive positions parallel; there being along each edge of said surface, parallel to the direction of motion of the wiper, a single guide having terminal inclines out and in; and there being on each end of the wiper, cam faces adapted to engage one pair of said inclines to turn the wiper against the surface, at an angle inclined thereto for good cleaning during its wiping stroke, and to engage the other pair of said inclines to turn the wiper away from the surface during its return stroke.

1,515,016. CULTURE OF BENEFICIAL SOIL BACTERIA AND METHOD OF PRODUCING SAME. HENRY W. EARP-THOMAS, New York, N. Y. Filed Nov. 25, 1921. Serial No. 517,524. 27 Claims. (Cl. 71-10.)

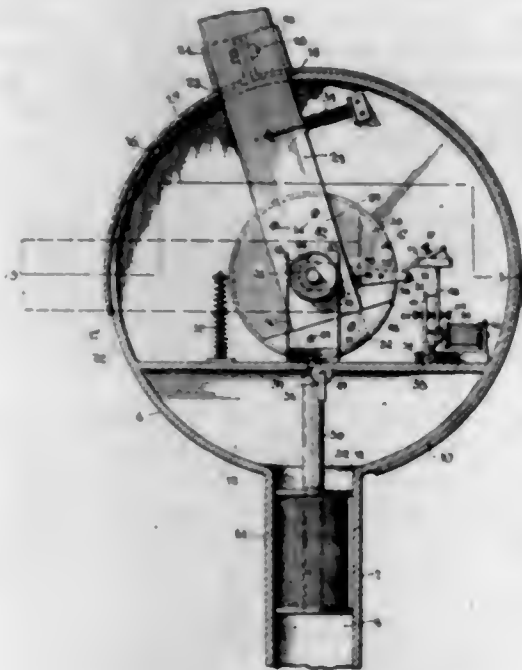


1. A medium for the culture of beneficial soil bacteria, comprising glauconite and carbonaceous material.
11. As a new article of manufacture, a culture of beneficial soil bacteria grown in a medium of which a principal constituent is greensand marl.
20. The process of producing a virile, copious culture of beneficial soil bacteria which comprises growing the bacteria in a medium of which a principal constituent is glauconite.

1,515,017. WARNING SIGNAL. WILLIAM H. ENFIELD and CLIFFORD P. GOPHERUD, Osage, Iowa. Filed Feb. 28, 1924. Serial No. 695,746. 14 Claims. (Cl. 246-125.)

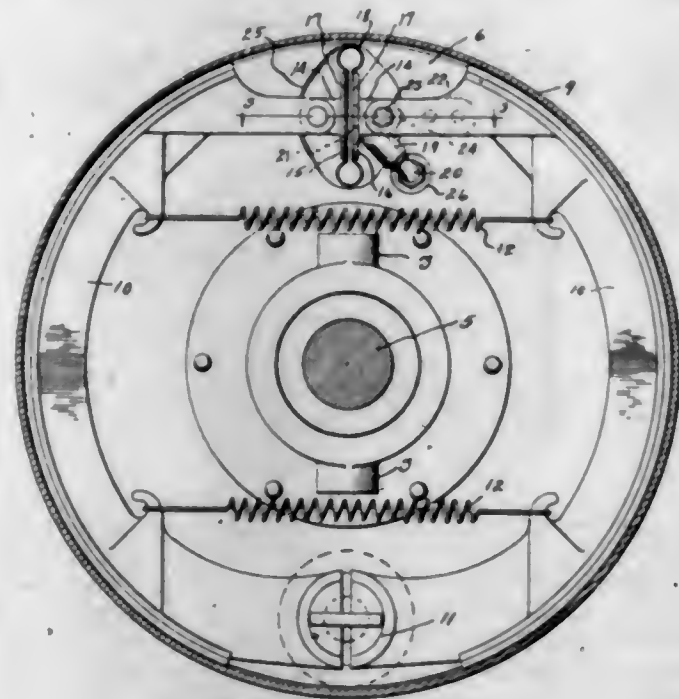
4. In a warning signal for railway crossings the combination with a releasable indicator arm movable when released to warning position by gravity, and a releasable locking element for holding said arm in nonwarning position, of a spring controlled pivoted trip arm arranged in the path of said element for releasably locking it and

provided with a stop to arrest the shifting of the trip arm by said element from the action of the indicator arm, a shiftable support having said trip arm pivoted



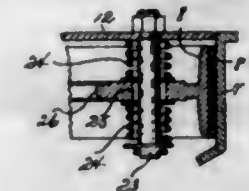
thereto, and an electrically operated means for shifting said support to bodily move said trip arm to clear said element to release the indicator arm.

1,515,018. FLUID-OPERATED BRAKE. EDWIN R. EVANS, Detroit, Mich. Filed Feb. 26, 1923. Serial No. 621,409. 5 Claims. (Cl. 188-152.)



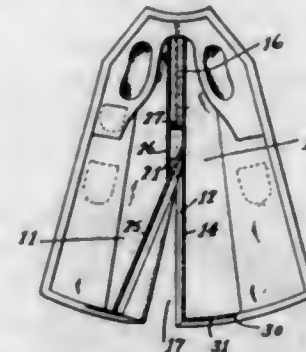
1. In a brake mechanism, the combination with a pair of complementary brake shoes, of an expansible chamber between said shoes having opposed apertured walls, closures for the apertures in said walls pivotally connected to the respective shoes for actuating said shoes apart through expansion of said chamber, and means for admitting and withdrawing the fluid to and from said chamber.

1,515,019. MOTOR VEHICLE BRAKE. EDWIN R. EVANS, Detroit, Mich. Original application filed Dec. 16, 1922, Serial No. 607,341. Divided and this application filed June 25, 1923. Serial No. 647,734. 8 Claims. (Cl. 188-205.)



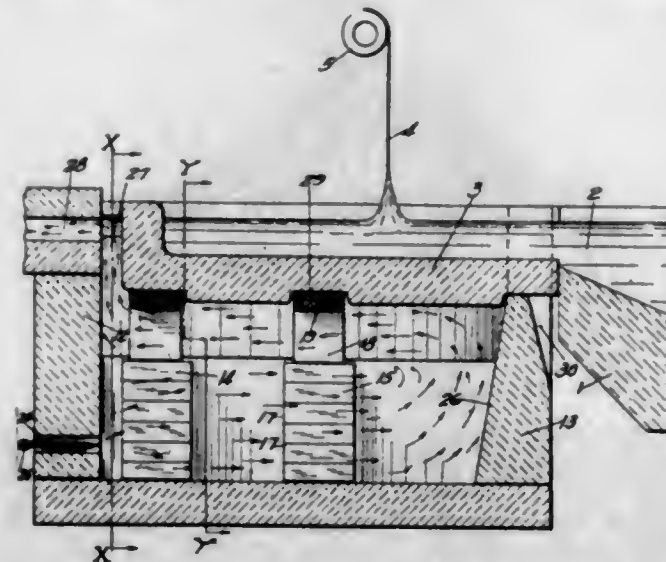
1. A brake mechanism comprising a brake drum, a brake shoe interiorly coating with said drum, and yieldable anti-rattle means intermediately engaging said shoe.

1,515,020. GARMENT. HARRY FELDMAN, Brooklyn, N. Y. Filed Apr. 25, 1924. Serial No. 708,858. 2 Claims. (Cl. 2-85.)



1. In a garment, a back comprising two sections of material having their inner edges folded back upon the material, said folded edges being connected for a portion of their lengths and abutting for the remaining portion of their lengths and a strip of material secured at the upper end of the same over the connected portions of the folded edges and secured along one longitudinal edge to the free folded back edge of the unconnected portion of one section, the other longitudinal edge of said strip of material overlapping the folded back edge of the other section and the abutting unconnected folded edges of the two sections.

1,515,021. SHEET-GLASS-DRAWING FURNACE. ENOCH T. FERGUSON, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 11, 1922. Serial No. 393,885. 9 Claims. (Cl. 49-17.)



6. In a sheet glass drawing machine, the combination with the draw-pot containing the molten glass from which the sheet is drawn, and the heating chamber beneath the pot, of a supporting stool for the pot located

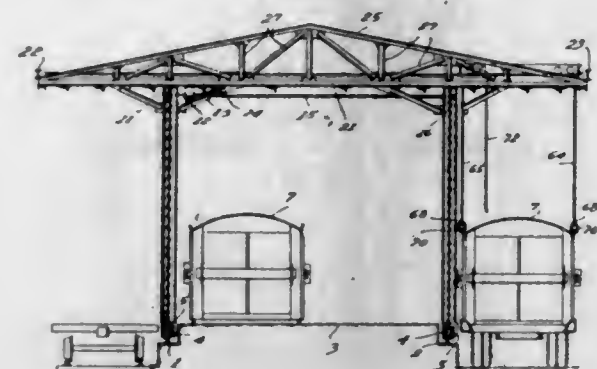
in the heating chamber, comprising a series of open arches, each alternate arch being inverted and each adjoining pair of arches having one limb in common, the pot resting on the crowns of the upright arches, and a series of piers on which the crowns of the inverted arches are supported, the bottom of the pot being cut away where it rests upon the stool, to provide a more uniform thickness of material between the molten glass and the heating means in the chamber.

1,515,022. YARN-TUBE FRAME. GEORGE P. FINDLAY, GEORGE D. LOCKWOOD, and JOHN G. SODERBERG, Worcester, Mass., assignors to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed May 3, 1922. Serial No. 558,153. 10 Claims. (Cl. 139-10.)



9. A yarn tube frame comprising a metal tubular member with walls of substantial thickness, a plurality of yarn tubes, a series of plates to which said tubes are secured in relatively small groups, and fastening devices extending transversely through said plates and tubular member and secured therein.

1,515,023. GANTRY CRANE. BENJAMIN F. FITCH, Greenwich, Conn. Original application filed July 14, 1920, Serial No. 396,061, now Patent No. 1,437,965, dated Dec. 5, 1922. Divided and this application filed Apr. 18, 1922. Serial No. 555,462. 9 Claims. (Cl. 104-126.)

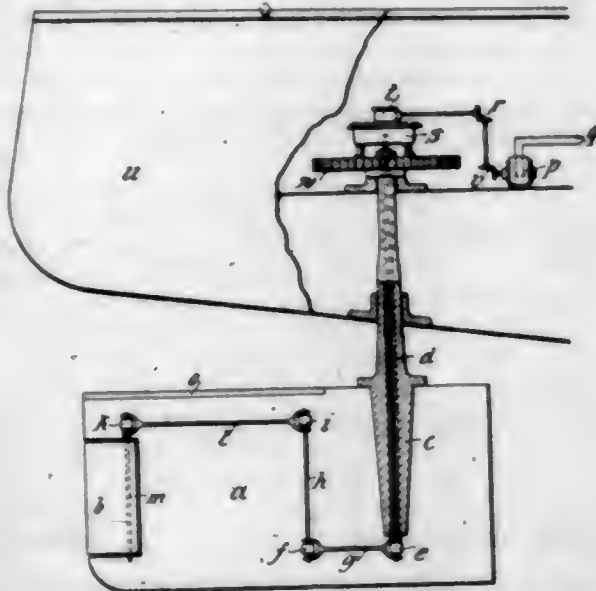


1. The combination with a main frame, of four independent supporting members therefor, bridge members carried by the supporting members, a trackway carried by the bridge members, and extending beyond said supporting members, there being one track carried by each member, a supplemental frame travelling on said trackway, and transverse beams connecting said bridge members beyond the ends of the trackway.

1,515,024. STEERING GEAR. ANTON FLETTNER, Berlin-Schöneberg, Germany. Filed Jan. 25, 1923. Serial No. 614,915. 5 Claims. (Cl. 114-103.)

1. Steering gear for water and air craft comprising in combination a ship's hull a main rudder shaft projecting from said hull and a main rudder freely movable about its axis, an auxiliary rudder spindle carried by

said main rudder and an auxiliary rudder on said spindle, a driving spindle extending axially along said shaft all the means for operating said driving spindle being dis-



posed inside said hull and only a parallel crank gearing being disposed outside said hull and connecting said driving spindle with said auxiliary rudder spindle.

1,515,025. SCREW-DRIVING MACHINE. JOHN C. FOY, Omaha, Nebr. Filed July 8, 1922. Serial No. 573,654. 22 Claims. (Cl. 144—37.)

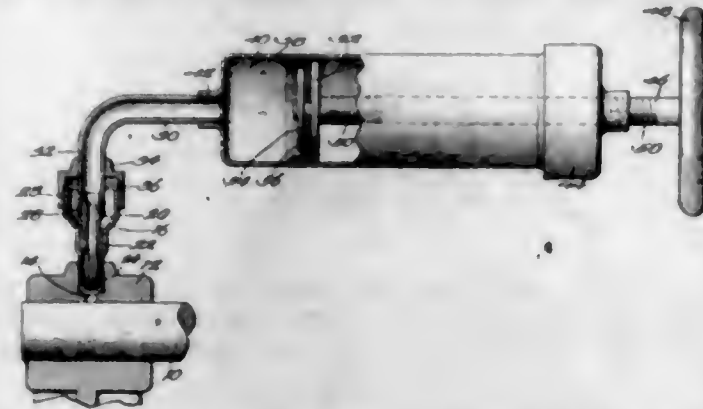


1. In a machine of the class described, a motor, a spindle, a clutch for connecting the spindle with the motor, reciprocating screw-guiding means, clutch controlling mechanism having a member movable into and out of engagement with the clutch, and means for connecting the said member with the screw-guiding means for actuating the member at the ends of the movements of the screw-guiding means to move the said member alternately in opposite directions into and out of engagement with the clutch.

1,515,026. PRESSURE GREASING DEVICE. GUSTAV ADOLF FRAUENFELDER, Chicago, Ill. Filed May 18, 1922. Serial No. 561,984. 2 Claims. (Cl. 184—105.)

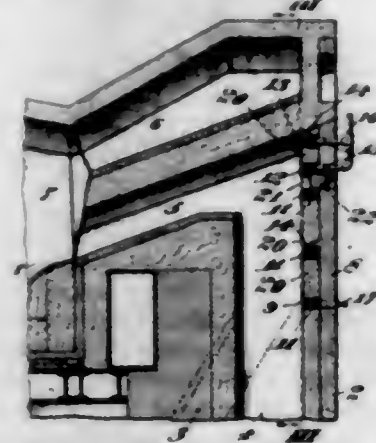
2. In a force feed lubricating device, a conduit including a nozzle at one end and means at its other end for attachment to a grease gun, said nozzle being insertable within a grease cup in position to deliver lubricant

through the discharge orifice of said cup with its bore closed against communication with the interior of said cup, and means having thread connection with the con-



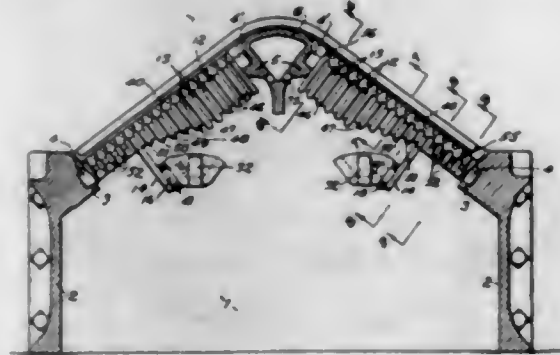
duit and adapted for thread connection with the cup operable, when the thread connection between said means and cup is effected, to force and hold the nozzle in said position within the cup.

1,515,027. FURNACE PROTECTION. LOUIS W. GERHARDT, Coatesville, Pa. Filed Aug. 14, 1922. Serial No. 581,635. 10 Claims. (Cl. 263—44.)



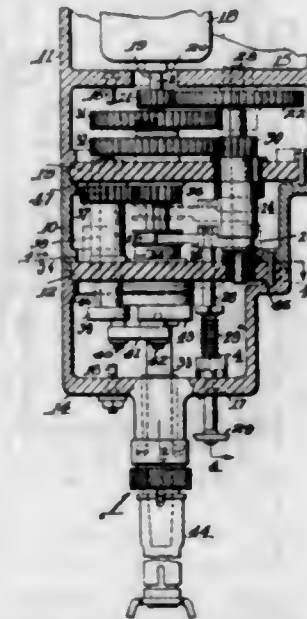
1. The combination with a furnace, of a wall, subject to destructive heat, of a fluid-cooled frame, having a plurality of openings, mounted therein, comprising separate but connected hollow side, top and bottom portions, with refractory materials surrounding and within the same.

1,515,028. GRATE APPARATUS FOR WATER HEATERS. MERRIMAN C. GILLET, Philadelphia, Pa., assignor to Standard Heater Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed Jan. 18, 1924. Serial No. 687,150. 10 Claims. (Cl. 126—176.)



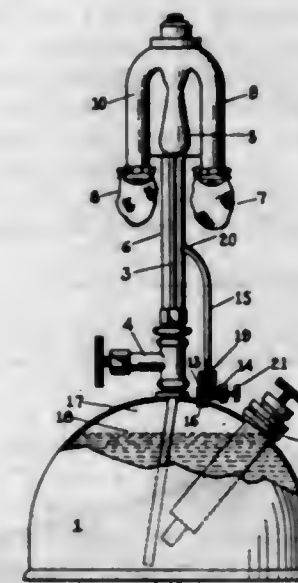
7. In a grate apparatus the combination of a plurality of interchangeable perforated grate bars each provided with a trunnion at each end; perforations between said trunnions and depending symmetrically disposed flanges of successively different lengths disposed on each side of said trunnions; said flanges of succeeding bars when tilted in the same direction adapted to form openings of different dimensions with the tops of preceding bars; and reciprocating means adapted to tilt said bars to form said openings.

1,515,029. VALVE GRINDER. GEORGE P. GOSS, Worcester, Mass., assignor, by mesne assignments, to Worcester Electric Tool Company, a Corporation of Massachusetts. Filed May 6, 1920. Serial No. 379,379. Renewed Mar. 25, 1924. 10 Claims. (Cl. 51—29.)



1. In a valve grinder, the combination with means for supporting a motor and its casing, a driving shaft, a gear on the driving shaft for receiving power from the motor shaft, a spindle shaft, a gear fixed on the spindle shaft, a gear rotatably mounted on the spindle shaft, a third shaft connected with the last named gear, means for transmitting motion therefrom to the spindle shaft as an oscillating motion, a slidable member, a pinion thereon adapted to mesh with either of said gears on the spindle shaft and having means whereby when the pinion is brought into mesh with the gear connected with the oscillating mechanism, the spindle shaft will be clutched to the oscillating mechanism so that that motion will be transmitted to the spindle shaft.

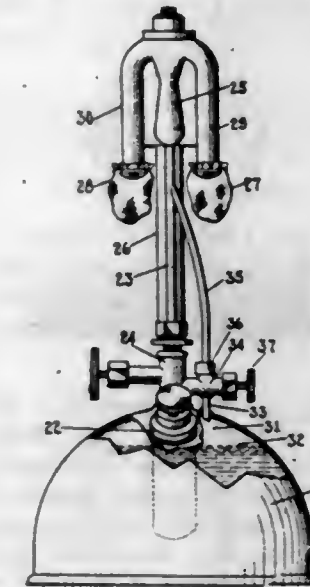
1,515,030. HEATING DEVICE FOR GASOLINE LANTERNS. RICHARD T. GRADY, San Diego, Calif. Filed Oct. 12, 1922. Serial No. 593,939. 1 Claim. (Cl. 67—41.)



A gasoline lantern having a gasolene font, a burner above the font, a feed pipe leading to a mixing chamber in the burner, an air pipe leading to the mixing chamber, a fitting mounted in the top of the font, a needle valve in said fitting, a pipe mounted in said fitting, there being a port or passage leading from the interior of the font to the interior of the pipe, said pipe terminating at a point adjacent the feed pipe, the feed pipe extending directly upwardly from the font and constituting a standard to support the burner.

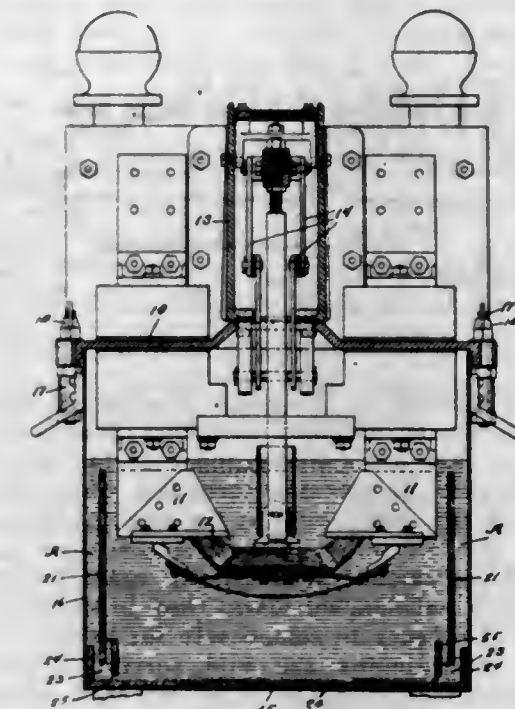
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1,515,031. VAPOR FEED FOR GASOLINE LANTERNS. RICHARD T. GRADY, San Diego, Calif. Filed Oct. 12, 1922. Serial No. 593,940. 2 Claims. (Cl. 67—50.)



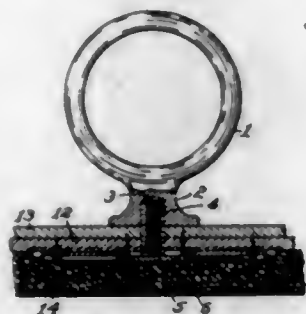
1. In a gasoline lantern having a font, a feed pipe, leading from the font to a burner above and connected to said feed pipe, an air pipe leading to said burner, mantles on said burner, a tube which leads from the upper part of the font into the feed pipe at a point adjacent the burner, and a valve in said tube.

1,515,032. ELECTRIC SWITCH. TALMA T. GREENWOOD, Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Oct. 29, 1920. Serial No. 420,505. 2 Claims. (Cl. 200—150.)



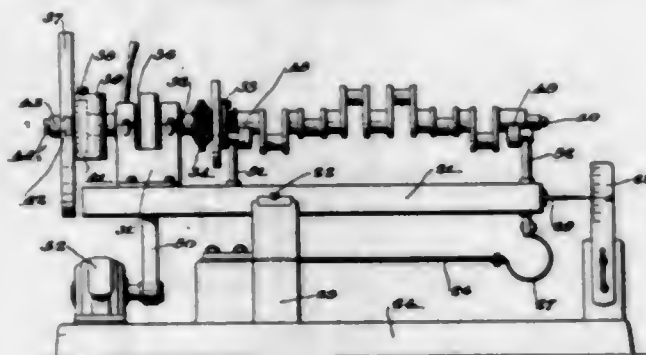
1. An electric switch having an oil receptacle formed with heat absorbing and dissipating walls, stationary switch terminals extended into said receptacle and having contact members supported by their lower ends, an electrically insulating lining disposed within said receptacle between the side walls of said receptacle and said switch terminals, and surrounding said switch terminals and contact members, said lining relatively closely spaced from the side walls of the oil receptacle to provide an oil-cooling passage between the receptacle and lining, and having means to provide for oil flow between the top and bottom portions of said oil-cooling passage and the top and bottom portions of the oil space within said lining, whereby to cool the oil in the receptacle.

1,515,033. TERRET FASTENER. CASPER HUGO GRINGS, Waterloo, Iowa, assignor to Waterloo Saddlery Company, Waterloo, Iowa. Filed July 16, 1923. Serial No. 651,947. 1 Claim. (Cl. 151—32.)



In combination, a terret having a hollow interiorly-threaded shank, a threaded bolt fitting said hollow threaded shank adjustingly and having a relatively wide tabular head, a relatively larger tabular plate having an opening to receive said bolt and having circumferential engaging-means projecting oppositely from the said bolt-head, to indently engage a tabular body of yielding material which may be positioned between it and the shank of said terret, said tabular plate and said tabular bolt-head having openings for registration, and fastening-devices to traverse the registering openings and to penetrate said yielding tabular body to secure them together.

1,515,034. METHOD OF BALANCING CRANK SHAFTS. WALTER R. GRISWOLD, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 6, 1924. Serial No. 691,079. 17 Claims. (Cl. 29—8.)

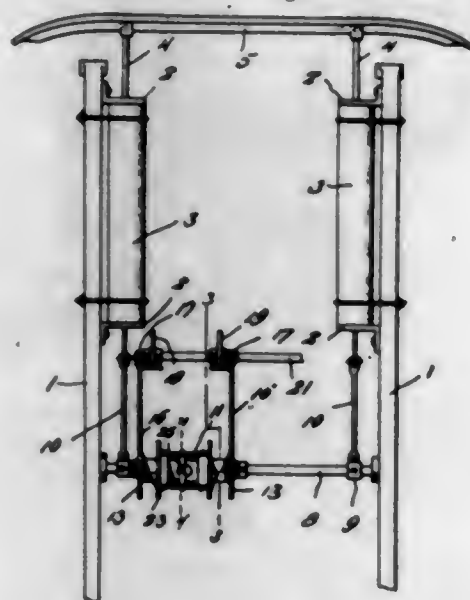


17. The method of producing a balanced crank shaft having cheeks of specified minimum dimensions which consists in first ascertaining the probable unbalance of the shaft, then in choosing correction planes normal to the axis of the shaft, then in forming the crank cheeks adjacent the correction planes larger than the other cheeks by an amount substantially equal in weight to the probable unbalancing mass, then in determining the correction necessary to compensate for actual unbalance, then in proportioning the said correction among the correction planes, then in removing from similar portions of each of the enlarged cheeks a layer of metal to compensate for the unbalance in the adjacent correction plane without reducing any of said cheeks below the specified minimum dimension.

1,515,035. BUMPER-OPERATED CLUTCH RELEASE AND BRAKE APPLICATOR FOR AUTOMOBILES. KUPRIAN GUSAKOV, Lackawanna, N. Y. Filed Mar. 13, 1924. Serial No. 698,967. 3 Claims. (Cl. 180—83.)

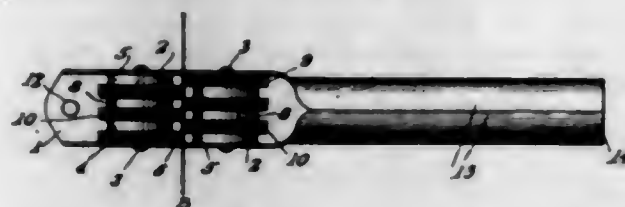
1. A device of the class described, comprising an operating shaft rotatably mounted transversely of an automobile, a bumper mounted for sliding movement longitudinally of the vehicle, connections between the bumper and said operating shaft for effecting a rotation of said

shaft in the sliding movement of the bumper, operating arms relatively movable on said shaft, connections between said arms and the clutch and brake operating



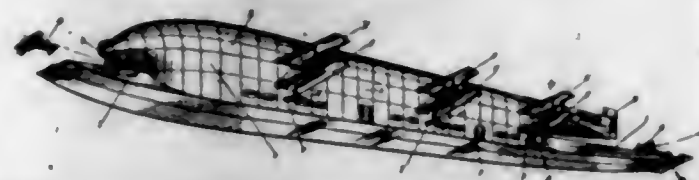
pedals of said vehicle, adapted to operate said pedals in an operation of the arms, and manually disengageable means for connecting or disconnecting the said arms for operation by said shaft.

1,515,036. SHARPENING DEVICE. ARTHUR HAAS, Beechhurst, N. Y. Filed Feb. 9, 1924. Serial No. 691,579. 1 Claim. (Cl. 76—87.)



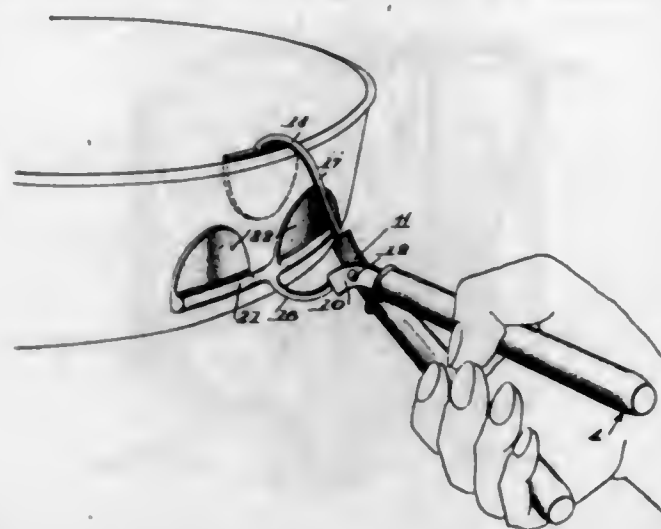
A sharpening device comprising a metal plate having upturned portions at each side, a pair of transverse rivets mounted in said portions, and a plurality of sharpening elements rotatably mounted on said rivets, said elements being held in fixed positions, with respect to one another, each individual element comprising a hub and a flange integral with each other, each flange having circumferential ribs or ridges, the flanges of the elements on the one rivet overlapping the flanges of the elements on the other rivet to provide a constant angle between said elements to receive the edge of the blade to be sharpened.

1,515,037. AIRCRAFT. CHARLES S. HALL, Los Angeles, Calif. Filed May 16, 1922. Serial No. 561,378. 4 Claims. (Cl. 244—2.)



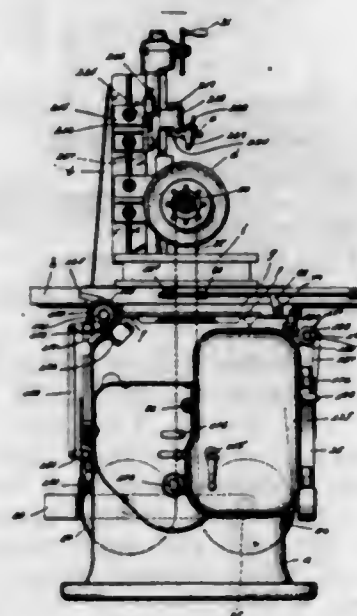
1. In an aircraft the combination of; a gas container; wings attached to the said container; a platform, suitable to the landing and taking off of smaller aircraft, arranged longitudinally through the said container; a relatively flat body arranged under the said container; revolvable propeller frames extending from the said craft; propellers operatively mounted upon said frames; and controls mounted upon the said craft, substantially as described.

1,515,038. TONGS. EDWARD JOSEPH HAMILTON, Baltimore, Md. Filed July 3, 1923. Serial No. 649,294. 2 Claims. (Cl. 294—31.)



1. In a tong construction of the character described, a pair of jaw members, each jaw being in the form of an intumed hook shaped member, one of which is disposed in advance of the other, a cross-head formed upon the inner end of one jaw and terminating at each end in a plate, and a plate upon the inner end of the other jaw, said plates carried by the jaws each being arcuate in cross-section and the concave face of the forward jaw in opposing relation to the similar faces of the plates carried by the other jaw.

1,515,039. METAL-WORKING MACHINE. BENOT M. W. HANSON, Hartford, Conn. Filed Dec. 8, 1921. Serial No. 520,856. 56 Claims. (Cl. 51—231.)

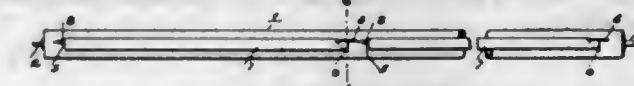


1. In a machine of the character described, a tool, an indexible carriage, a slide mounted for reciprocation thereon at an angle to the direction in which said carriage is indexed, means for indexing said carriage and slide, and means for reciprocating said slide, both of said means being controlled by the movement of said slide.

1,515,040. SHADE FASTENING. STEWART HARTSHORN, Short Hills, N. J., assignor to Stewart Hartshorn Company, East Newark, N. J., a Corporation of New Jersey. Filed Nov. 13, 1920. Serial No. 423,936. Renewed Aug. 28, 1924. 6 Claims. (Cl. 56—25.)

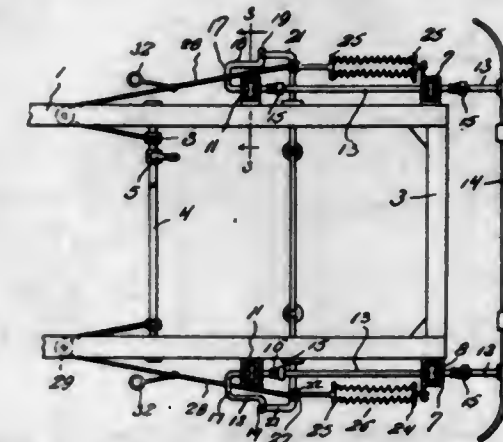
1. An article of the class described, comprising a roller, there being a perforation in the roller, a member

adapted to extend longitudinally of the roller, means for engaging one end of the member within the perforation, there being a longitudinal slot in the roller, and



means extending transversely of the roller for engaging the slot and securing the opposite end of the member to the roller.

1,515,041. AUTOMATIC BRAKE ACTUATOR FOR MOTOR VEHICLES. LOUIS R. HEBERT and EDMOND HEBERT, Fall River, Mass. Filed Dec. 18, 1922. Serial No. 607,571. 4 Claims. (Cl. 180—83.)

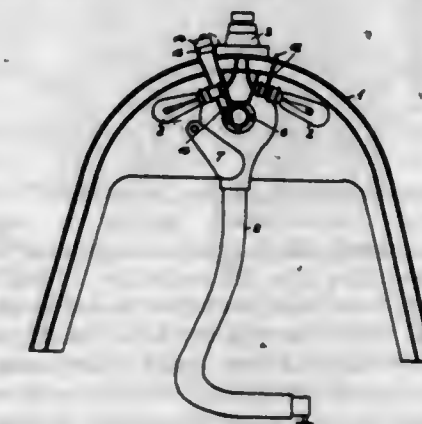


1. A brake actuator for motor vehicles having a frame and brake operating mechanism including operating means normally acting to operate the brake operating mechanism for applying the brakes to the vehicle, bumper carried members slidable in the frame, and holding means carried by the frame adapted for cooperative engagement with the bumper carried members and the operating means, for releasably holding said operating means in inoperative position.

1,515,042. ELECTROLYTE AND COMPOSITION FOR FORMING THE SAME. AUGUST HECK, Philadelphia, Pa. Filed Aug. 22, 1923. Serial No. 658,670. 6 Claims. (Cl. 204—1.)

1. An electrolyte for use in electro-deposition of metals consisting of a solution in water of an appreciable amount of cyanide of an alkali metal, together with a mixture of solutions of cyanide of the metal to be deposited, and boric acid, the latter ingredients being present in relatively large amounts.

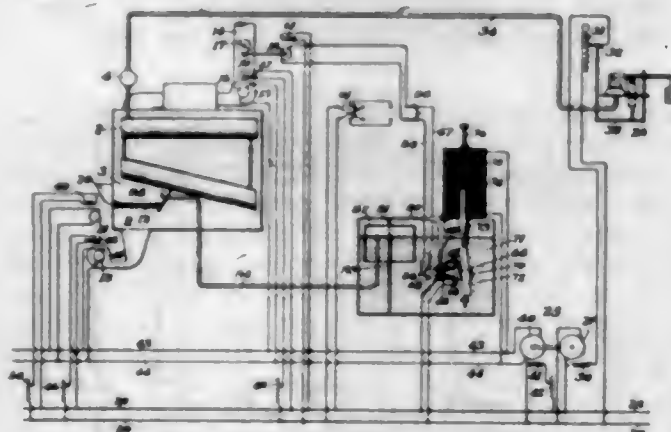
1,515,043. DEVICE FOR THE TREATMENT OF WOMEN'S ABDOMINAL COMPLAINTS. KARL HENRICH, Bad-Naumburg, Germany. Filed Aug. 19, 1922. Serial No. 583,001. 2 Claims. (Cl. 128—257.)



1. A device for the treatment of women's abdominal diseases comprising in combination with a local light bath comprising electric incandescent lamps designed

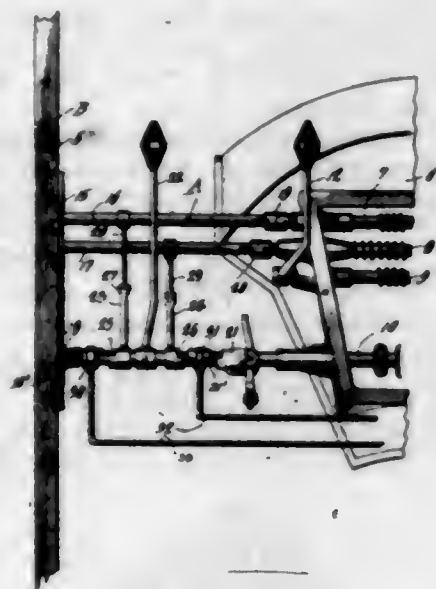
to be placed upon the abdomen, a fan connected with said light bath, a flexible tube for blowing the air heated in the light bath into the vagina and to produce thus in said vagina a constant air current of constant temperature.

1,515,044. FURNACE CONTROL. LAWRENCE J. HESS, Youngstown, and MERRILL G. BENJAMIN, Poland, Ohio, assignors to The Benjamin Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 26, 1919. Serial No. 292,954. 18 Claims. (Cl. 236-14.)



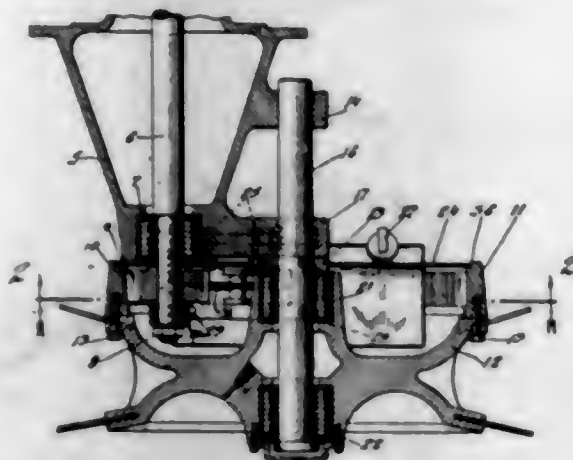
1. The combination with a furnace, of means for maintaining an established pressure in the furnace, and means responsive to variations in the demand on the furnace for varying the established pressure to be maintained, substantially as described.

1,515,045. GEAR SHIFT. EMERSON B. HINDS, Dayton, Ohio. Filed Sept. 21, 1923. Serial No. 664,082. 5 Claims. (Cl. 74-39.)



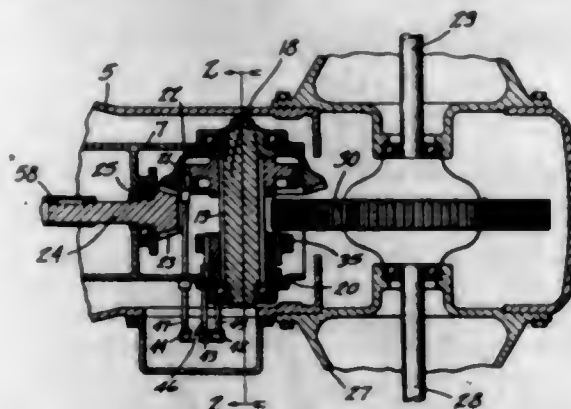
1. The combination with an automobile including a planetary gear transmission having a reverse pedal shaft, a slow speed shaft, and a clutch lever shaft, of means for operating the transmission, including a manually operated hand lever, and a rockable shaft rotatably connected with the clutch lever shaft, means connecting the reverse and low speed shaft with the shaft rotatably connected with the clutch lever shaft, and means operated by the hand lever for locking the shaft rotatably connected with the clutch lever shaft therewith and the means operatively connecting the slow speed and reverse shafts with the shaft arranged in alignment with the clutch lever shaft.

1,515,046. WHEEL MOUNTING AND OILING MECHANISM THEREFOR. RALPH HUMPHRIES, Detroit, Mich. Filed July 30, 1923. Serial No. 654,785. 4 Claims. (Cl. 74-7.)



1. In a device of the class described, an axle housing having an axle therein, lugs depending from said housing, a shaft fixed at the ends of said lugs and a wheel rotatable on said shaft, a gear on the end of said axle and an internal gear fixed to said wheel and in mesh with the gear on said axle, whereby said wheel may be rotated by the rotation of said axle, and a shield disposed adjacent said gears to protect them from dust, dirt and the like, said shield having an oil container fixed thereto with an idler gear therein meshing with said first gear and supplying oil thereto.

1,515,047. TRANSMISSION. RALPH HUMPHRIES, Detroit, Mich. Filed July 30, 1923. Serial No. 654,786. 6 Claims. (Cl. 74-57.)

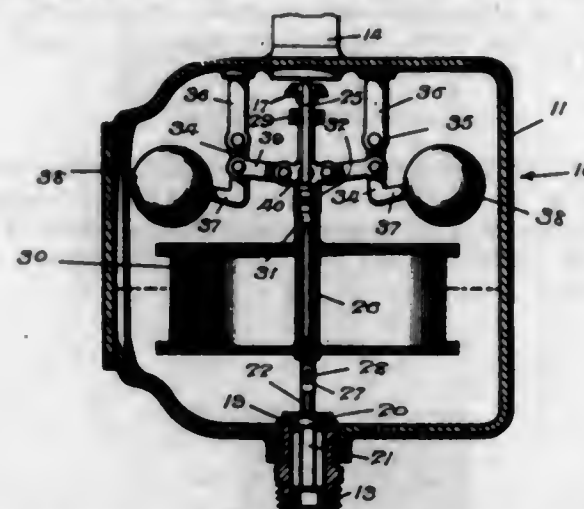


1. In combination, a drive shaft and a rear axle, a shaft operably connected with said drive shaft and positioned at right angles thereto between the drive shaft and the rear axle, said shaft having a plurality of varying sized gears slidably mounted in grooves provided thereon, a gear connected with said rear axle and means for moving said shaft toward and from the rear axle and the gears thereon laterally to permit selective meshing of said gears and the grooves on said shaft with said gear connected to said rear axle.

1,515,048. PERPETUAL VACUUM VAPOR APPLIANCE. JOHN E. HUMMICK, Pueblo, Colo. Filed May 29, 1922. Serial No. 564,458. 10 Claims. (Cl. 137-101.)

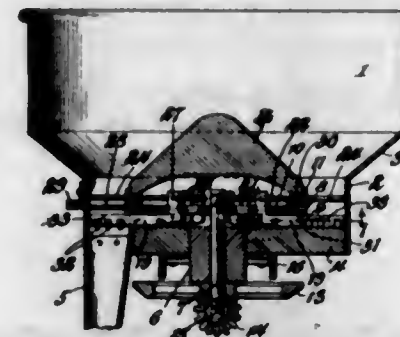
1. A vacuum appliance for a vapor heating plant comprising a casing to be disposed in the return pipe having a water inlet, a water outlet, and a live steam inlet, a normally open valve for the water inlet, and normally closed valves for the water outlet and steam inlet, a float in said casing, and means operated by the float for closing the water inlet valve and opening

the water outlet and steam inlet valves when the float is raised and for restoring the water outlet and steam inlet valves to normal position when the float gravitates,



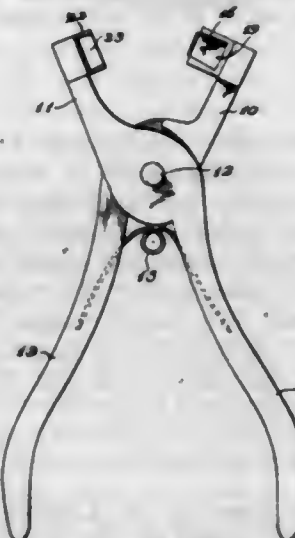
the water inlet valve being arranged to keep the water inlet closed while the pressure in the casing is greater than that beyond such valve.

1,515,049. CUTTER AND FEEDER FOR POTATO PLANTERS. CHARLES JENKINS, Delevan, N. Y. Filed Dec. 31, 1923. Serial No. 683,783. 11 Claims. (Cl. 146-59.)



1. In a device of the class described, the combination of a hopper, a rotatable feeder having a plurality of radial blades forming pockets of equal width between them, and means whereby the number and relative positions of said blades may be changed for adjusting the distances between them so as to form uniform pockets of a different width.

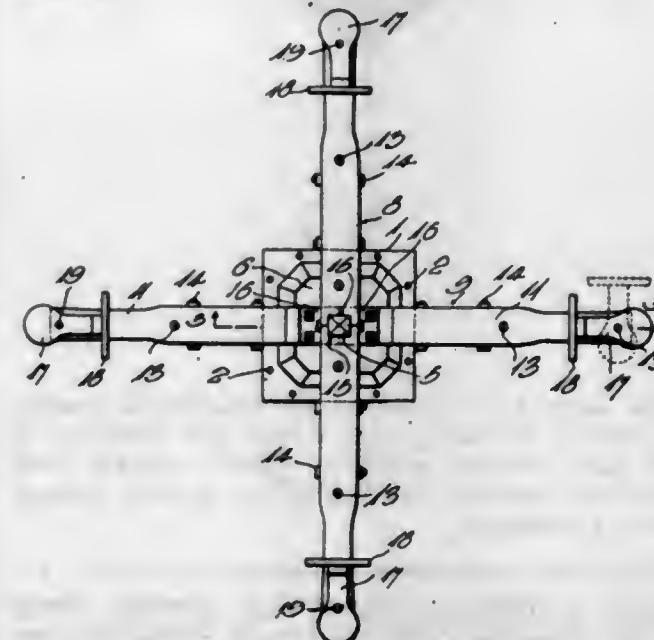
1,515,050. MARKING INSTRUMENT. CHARLIE P. JENSEN, Tecoscot, Kans. Filed June 10, 1924. Serial No. 719,183. 1 Claim. (Cl. 101-20.)



A marking instrument comprising two pivotally connected members each having a jaw at one side of the pivot and a handle at the other side thereof, shoes secured rigidly at the free ends of the jaws on the

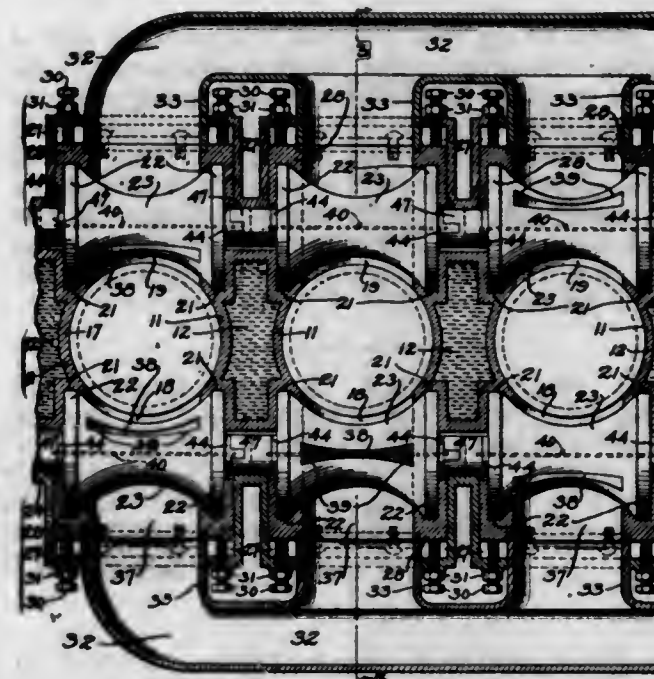
opposed faces thereof, each shoe having a dovetailed groove open at one end and having a stop partition at the opposite end, a dovetailed type engaged in the groove of one shoe through the open end of the groove, and an anvil block of softer material than the type engaged in the groove of the other shoe.

1,515,051. AMUSEMENT DEVICE. CLARENCE V. JOHNSON and THOMAS C. CAIN, Yates Center, Kans. Filed Jan. 22, 1923. Serial No. 614,225. 4 Claims. (Cl. 46-27.)



1. An amusement device comprising a rotatably mounted support, an upper teeter fulcrumed thereon, and a lower teeter fulcrumed on said support at an angle to said upper teeter, said lower teeter having a pair of slides engageable with the under side of the upper teeter to simultaneously lock the two against oscillation.

1,515,052. ROTARY VALVE MECHANISM FOR ENGINES. RICHARD WARREN JOHNSON, Danville, Pa. Filed June 29, 1923. Serial No. 648,607. 5 Claims. (Cl. 123-190.)



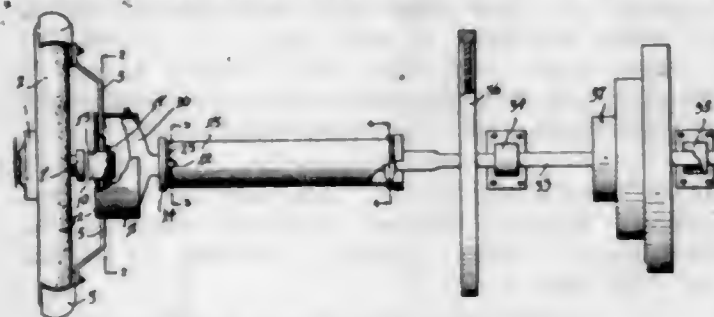
1. In an internal combustion engine, the combination of a cylinder having opposed transverse slots forming inlet and exhaust ports, rotary spool-shaped slotted valves for said ports having their axes in a plane perpendicular to the longitudinal axis of the cylinder, the lateral surface of said valves being curved longitudinally so that each element thereof forms an arc having substantially the same radius of curvature as the outer face of the cylinder wall.

1,515,053. DECORATIVE PLANT PRODUCT. RICHARD LLOYD JOHNSTON, Chicago, Ill., assignor to Bergman-Koropp & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1922. Serial No. 526,859. 3 Claims. (Cl. 41-14.)



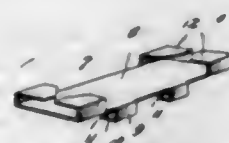
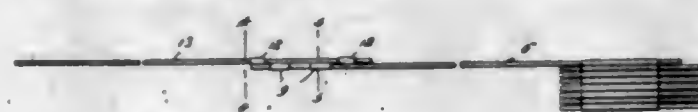
1. The method of producing an ornamental product which consists in cutting open a seed pod mounting an electric lamp therein, supplying current supply leads therefor, and restoring the pod to its natural external structural appearance.

1,515,054. POWER-TRANSMITTING DEVICE. WILLIAM H. KADESCH, Cedar Falls, Iowa. Filed Oct. 27, 1923. Serial No. 671,155. 2 Claims. (Cl. 74-106.)



1. A device of the type described comprising a pair of cooperating clamping plates having substantially the contour of the tread portion of a vehicle wheel, of means for drawing said clamping plates into close engagement with the tread of said wheel, a universal joint having one of its cooperating members attached with said plates, a shaft connected with the remaining member of said universal joint, and means associated with said shaft arranged for driving engagement with stationary machinery or the like.

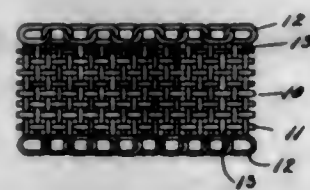
1,515,055. FOLDING RULE. RUDOLPH KATOLIN, Los Angeles, Calif. Filed July 3, 1923. Serial No. 649,193. 1 Claim. (Cl. 33-105.)



A slide rule comprising sections, stop members mounted at the opposite ends of one section, a plate interposed between the sections, said plate being provided at its edges and at its opposite ends with inwardly dis-

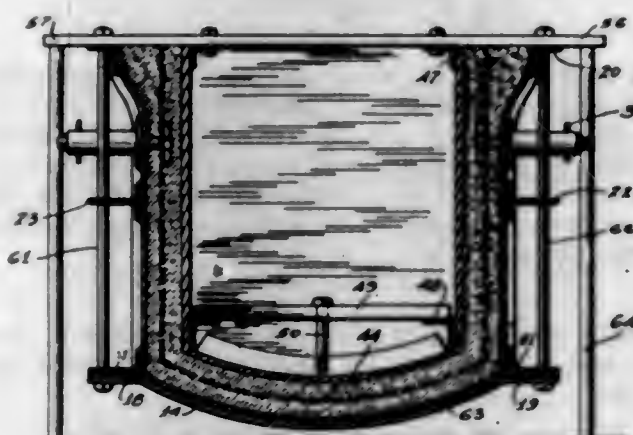
posed lugs which extend across the edges of that section having the stop members, and which are disposed between the stop members, and the said plate being provided at its stop edges and at points between the first mentioned lugs with other lugs disposed around the edges of the other rule sections.

1,515,056. METAL FABRIC. IRVING R. LEDEBER, Providence, R. I., assignor to Providence Stock Company, Providence, R. I., a Corporation of Rhode Island. Filed Jan. 30, 1924. Serial No. 689,537. 4 Claims. (Cl. 245-10.)



1. An article of manufacture comprising a flexible metallic fabric body, and a flexible edging formed of connected links, a portion of each link being permanently secured to a contiguous portion of the edge of the fabric body.

1,515,057. COLLAPSIBLE MOLD. HARRY AUGUSTUS LEDYARD and JAMES JULE JELLEY, Ashland, Ohio. Filed Apr. 3, 1922. Serial No. 548,956. 8 Claims. (Cl. 25-130.)

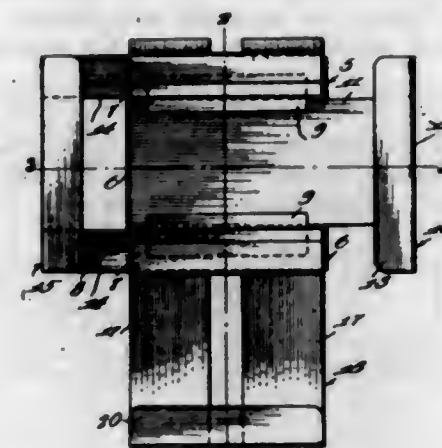


1. In a mold, an outer collapsible form detachably connected at the diverging lines of the corners, a detachable bottom member provided with parallel longitudinal flanges, an inner collapsible form positioned within the outer form in spaced apart relation to the outer form, a bottom member for the inner form, means to detachably connect the bottom member to the inner form and a yoke mechanism adapted to suspend the inner form within the outer form and detachably connect the bottom of the outer form.

1,515,058. RACK. BERTHIL M. LINDHE, Rockford, Ill. Filed May 25, 1923. Serial No. 641,435. Renewed Aug. 27, 1924. 1 Claim. (Cl. 45-1.)

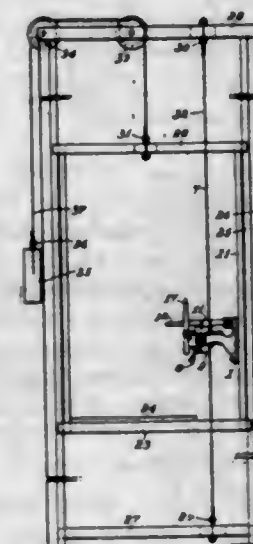
A rack comprising a base formed of sheet metal, rearwardly and inwardly extended flanges formed on the side edges of the base, flanges formed on the upper and lower

edges of the base, said flanges extending towards each other and providing guideways, flanges stamped from the



body of the base and providing guideways, and laterally adjustable supporting sections operating in the guideways.

1,515,059. PASSENGER ELEVATOR. FINLEY MCARTHUR, Cedar Rapids, Iowa. Filed Jan. 13, 1923. Serial No. 612,471. 1 Claim. (Cl. 187-21.)



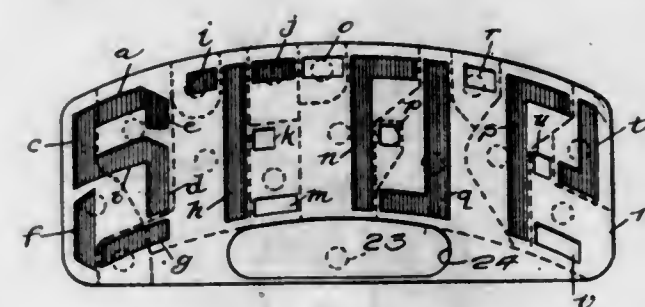
A passenger elevator, comprising a stationary vertically elongated hollow structure containing vertical guides on opposite sides, a hollow cage mounted slidably upon said guides, a pair of sheaves mounted rotatably upon the top of said structure, a cable connected to the top of said cage and passed about said sheaves, a counterweight for said cage suspended on the depending part of said cable, another cable having its upper and lower ends respectively secured to the top and bottom of said structure, said cage being apertured at the top and bottom with the last-mentioned cable traversing said apertures, a bracket fixed on a side wall of said cage, a winding-drum mounted rotatably on said bracket and provided with a circumferentially dentated end disk and a terminal crank, an arm pivoted terminally to said bracket and having a concentrically curved depressed edge to frictionally engage and brake the circumferential edge of said disk, another arm terminally pivoted to said bracket and having a detent to engage between detents on said circumferential edge of the disk, said last-mentioned cable being medially secured upon said winding-drum with its parts winding upon the drum in the same direction around the drum from a loop where so secured, whereby rotation of the drum in either of opposite directions will move the cage along said guides in either of certain directions.

1,515,060. SPINDLE COUPLING FOR CENTRIFUGAL SEPARATORS. JAMES B. MCFADDEN, West Chester, Pa., assignor to The Sharples Separator Co., West Chester, Pa., a Corporation of Pennsylvania. Filed June 25, 1920. Serial No. 391,645. 13 Claims. (Cl. 64-48.)



1. A centrifugal separator including in combination a supporting spindle, a bowl, and a coupling for connecting said bowl to said spindle comprising inter-engaging parts having their contacting surfaces extending in the same general direction as the longitudinal axis of the spindle, said coupling being constructed and arranged to permit bodily lateral movement of said parts relatively to maintain the parallelism of the longitudinal axis of said spindle and bowl.

1,515,061. ELECTRIC SIGNAL. EDWIN W. MCKINLEY, New York, N. Y. Filed July 7, 1923. Serial No. 650,088. 3 Claims. (Cl. 177-327.)

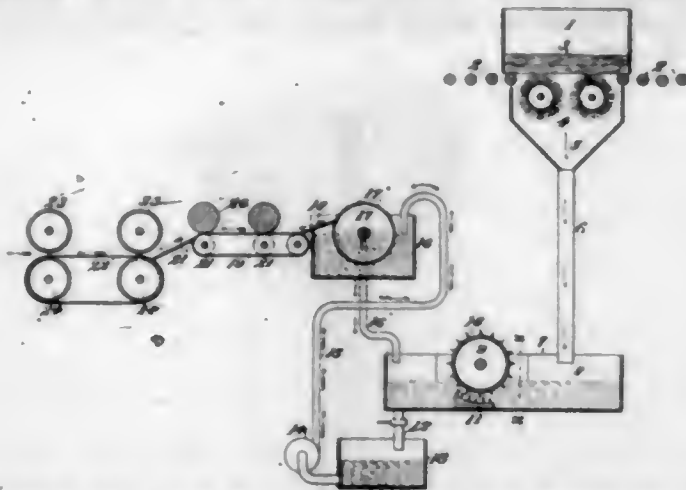


1. In an electric signal, a case provided with a series of pockets, a lamp in each pocket, and a stencil letter plate covering the pockets, said plate having letter-forming openings registering with each of the pockets and one of the pockets extending beneath and on opposite sides of another of said pockets.

1,515,062. ARTICLE OF MANUFACTURE AND METHOD FOR THE PRODUCTION THEREOF. UEL S. McMILLAN, San Francisco, Calif. Filed Mar. 27, 1923. Serial No. 627,979. 2 Claims. (Cl. 92-1.)

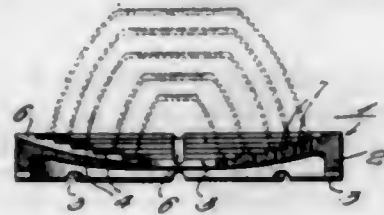
1. The method of producing sheets of mechanical wood pulp for use as paper stock, the same comprising the debelization of solid wood in line with the length of the fibers thereof for the production of individual fibers of the wood, transferring the fibers so separated and depositing the same within a vessel containing water, sub-

jecting the fibers while immersed therein to a beating action for reducing the fibers to component units and causing an interlacing thereof, then removing the matted



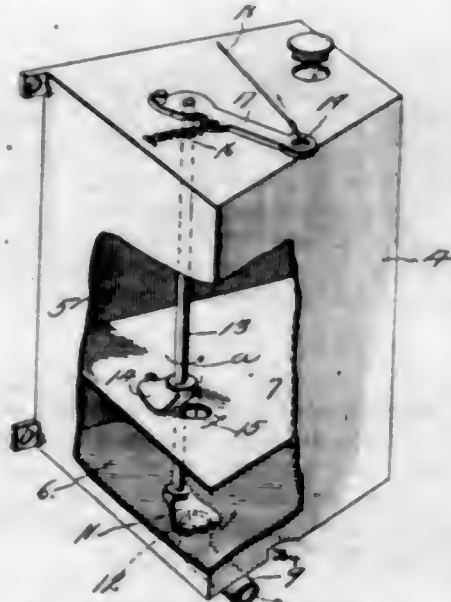
formed pulp from within the vessel and separating excess moisture therefrom, placing the pulp in sheet formation and finally drying the same.

1,515,063. WARE SUPPORT AND PROCESS OF BURNING WARE. SYDNEY MACKAY, Zanesville, Ohio. Filed Feb. 14, 1924. Serial No. 692,818. 10 Claims. (Cl. 25-153.)



1. A support for ware while burning the same, comprising a plurality of separated supporting areas surrounding one another and adapted to engage the edges of a plurality of inverted nested receptacles to be burnt.

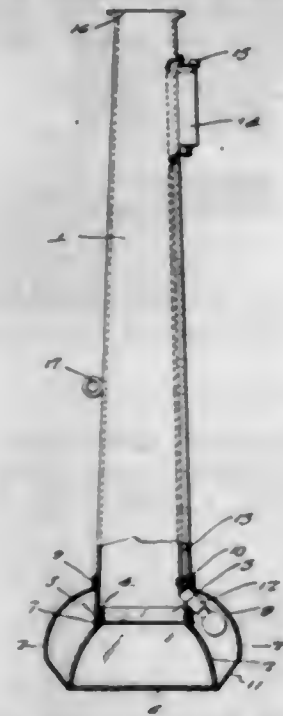
1,515,064. ENGINE-OILING DEVICE. JOHN HENRY MILLER, Lindsay, Okla. Filed May 4, 1923. Serial No. 636,620. 1 Claim. (Cl. 184-105.)



A lubricating device comprising a tank, a horizontally disposed partition within the tank thereby forming upper and lower lubricant compartments, a discharge pipe connecting the lower chamber of the tank, a horizontally movable disc valve cooperating with the discharge opening of the lower compartment for allowing or cutting off the flow of lubricant therefrom, a horizontally movable disc valve cooperating with a discharge ports in the partition for controlling the flow of lubricant from the upper compartment to the lower compartment, a vertically disposed shaft on which said valves are mounted,

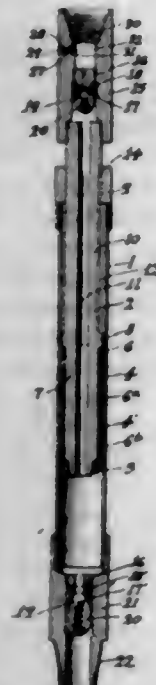
said valves being positioned whereby upon a rotation of the shaft one valve will be moved out of registration with its discharge port, and the other into registration and vice versa, a lever connected to the upper end of the shaft, spring means for normally maintaining the lower valve in closed position, and means for controlling the lever.

1,515,065. SUBMARINE TELESCOPE. GARLAND E. MILLIKEN, Dover, Tenn. Filed Mar. 17, 1924. Serial No. 699,821. 3 Claims. (Cl. 88-1.)



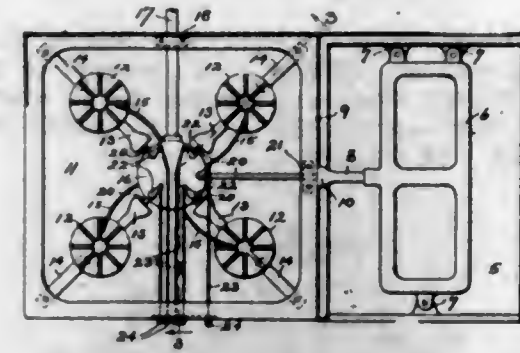
1. A device of the class described comprising an elongated tubular member, a hollow transparent member having its upper end open, and adapted to be removably supported on the lower end of the tubular member, the bottom of said transparent member being closed, a reflector carried by the lower end of said tubular member and surrounding the transparent member, and illuminating means supported by said tubular member and disposed between the reflector and transparent member.

1,515,066. PRESSURE GUN FOR FISHING TOOLS. CLARENCE OCHS, Long Beach, Calif. Filed Jan. 7, 1924. Serial No. 684,915. 12 Claims. (Cl. 166-1.)



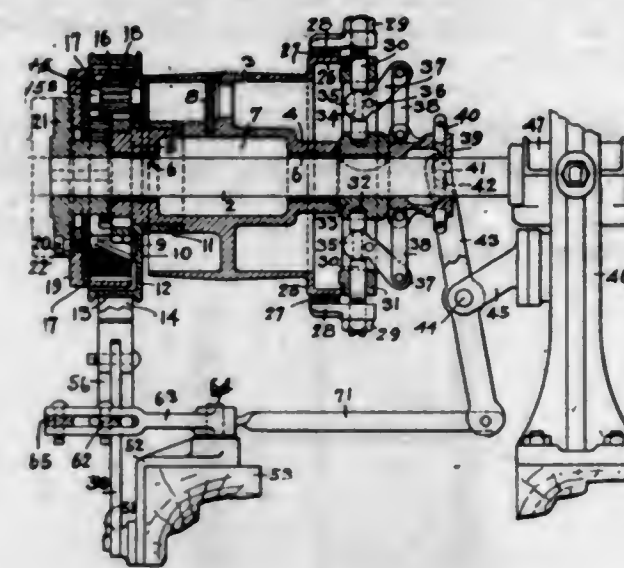
1. In a fishing equipment for use in drilled wells, a hydraulic or pressure gun comprising a plunger rigidly connected with a vertically movable string of pipe.

1,515,067. GAS RANGE. JAMES C. OLSEN, Jr., North Aurora, Ill. Filed May 31, 1924. Serial No. 716,927. 3 Claims. (Cl. 126-39.)



1. In a gas range, an open-top section having a burner-box, a gas-manifold located in the burner-box and provided with a plurality of jets, a cock on each jet and having an operating handle at the front of the burner-box, and gas-burners in the box having their supply tubes in alignment with the jets.

1,515,068. REVERSE CLUTCH MECHANISM. VICTOR H. PALM, Butler, Pa., assignor to Butler Engine and Foundry Co., Butler, Pa., a Copartnership composed of Henry B. MacKinney, Mont M. MacKinney, John J. MacKinney, Sarah G. MacKinney, and Lydia A. MacKinney. Filed Aug. 6, 1921. Serial No. 490,403. 3 Claims. (Cl. 74-34.)

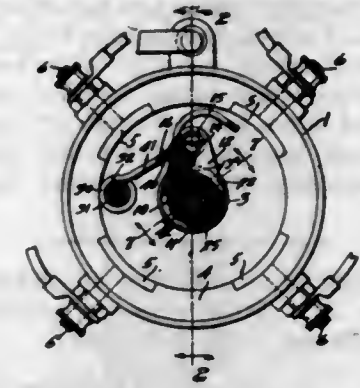


1. A reversing clutch mechanism comprising a shaft, a pulley mounted loosely on said shaft, a sleeve member mounted loosely on the hub of said pulley, a brake wheel carried by said sleeve beyond said pulley, a brake band surrounding said brake ring, a gear wheel secured to said hub, a coupling carried by said shaft, arms extending radially from said coupling, an internal gear wheel carried by said arms within said brake wheel, and a plurality of pinions carried by said brake wheel and meshing with both the said gear wheels.

1,515,069. TIMER. CHARLES C. PHILLIPS, Cincinnati, Ohio, assignor of one-half to Albert Ungerbuehler, Cincinnati, Ohio. Filed Dec. 8, 1922. Serial No. 605,569. 3 Claims. (Cl. 200-26.)

2. A current distributing brush comprising an attaching element having an arcuate slot therethrough and spaced projecting lugs, said slot adapted to permit engagement of a current carrying element with the timer

shaft, a wiper element pivoted between said lugs and having a tubular contact end and wick therein, and a



spring between said elements having one end engaged with said wiper element and the opposite end within said slot.

1,515,070. ADVERTISING DEVICE. FRANK J. ROSENBERG, Venice, Calif. Filed Oct. 26, 1923. Serial No. 670,849. 5 Claims. (Cl. 46-40.)



1. An advertising novelty comprising a structure having a portion representing an animated object, said structure including relatively movable parts in frictional engagement with each other, whereby upon such relative movement a simulating sound is produced, one of the parts representing the head of an animal and the other representing the tongue, the latter being slidably and frictionally fitted in the mouth of the head to produce the said simulating sound as in panting.

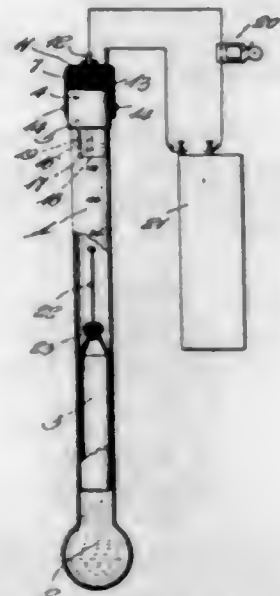
1,515,071. COMBINATION SAW. LOUIS J. ROTHBAUER, Chicago, Ill. Filed Jan. 2, 1924. Serial No. 684,089. 1 Claim. (Cl. 7-13.)



A combined saw and laying-off instrument comprising a blade having a longitudinal straight edge and a straight end edge disposed at a right angle to the longitudinal straight edge, a handle applied to the end of the blade opposite that end thereof having the said transversely disposed straight edge, the said handle having parallel upper and lower edges, one of which is aligned

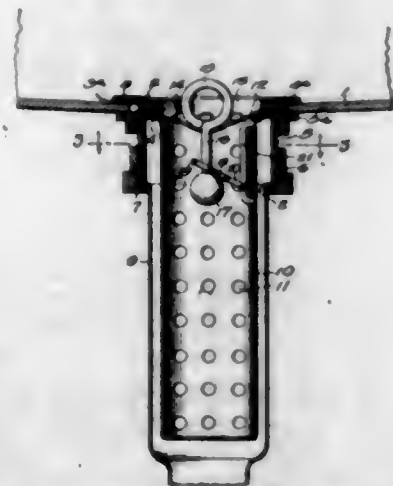
with the longitudinal straight edge of the blade, a liquid level carried by the handle and located midway between the upper and lower parallel edges and disposed parallel with said edges, the handle being provided with a hand opening having parallel side wall edges, the said hand opening edges being disposed at right angles to the upper and lower parallel edges of the said handles, and the said hand opening edges being disposed parallel with the transversely disposed straight edge at the end of the blade.

1,515,072. THERMAL CIRCUIT CLOSER. GEORGE O. RUFF, Paris, Ill. Filed Sept. 11, 1922. Serial No. 587,392. 2 Claims. (Cl. 200-140.)



1. A device of the class described comprising a thermometer tube, a metal sleeve fitted exteriorly upon the open end of said tube and extending beyond said end, a centrally apertured disk disposed transversely across said sleeve intermediate the ends thereof and bearing against the open end of said tube, a body of insulation fitted in the outer end of said tube, a stationary contact pin extending centrally through said body and through the aperture in said disk into the interior of said tube, said pin being provided at its inner end with a fixed contact, a movable contact arranged adjacent said fixed contact, resilient means mounting said movable contact on said disk, said means normally holding said movable contact out of engagement with said fixed contact but permitting it to be pushed into engagement with the latter, and a float disposed in said tube to engage said movable contact and push it into engagement with said fixed contact.

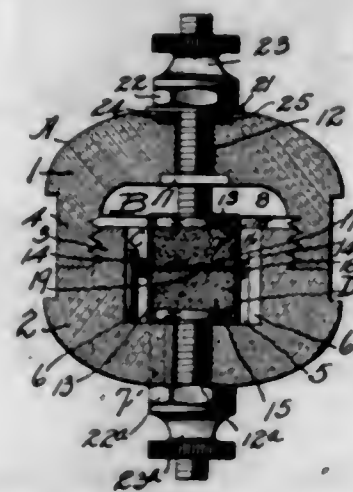
1,515,073. SINK TRAP. ARTHUR SAVARD, Omaha, Nebr. Filed Sept. 18, 1923. Serial No. 663,432. 2 Claims. (Cl. 4-289.)



1. A trap for sinks having a flanged drain plate therein, which comprises a perforated trap cylinder loosely supported on the flanges of the drain plate, a

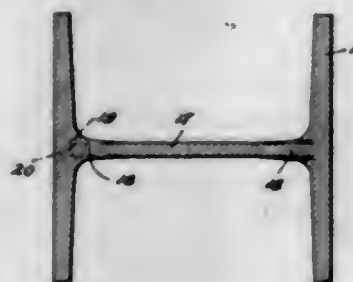
perforated drain plug engageable in the opening of the drain plate to clamp the upper ends of the trap against the flanges of the drain plate and flexible connections between the trap and the plug.

1,515,074. LIGHTNING ARRESTER. JOSEPH ANDERSON SCHERERHOHN, Trenton, N. J., assignor to E. H. Freeman Electric Company, Trenton, N. J., a Corporation of New Jersey. Filed Aug. 17, 1922. Serial No. 582,435. 14 Claims. (Cl. 175-30.)



7. A lightning arrester including mating casing sections, opposite electrode units carried by said sections and each unit consisting of a metallic thimble and a carbon disk therein and projecting beyond the open end thereof, and an insulating plate adapted to be arranged between the carbons of the opposite electrodes and providing an insulation barrier between the spaced edges of said thimbles.

1,515,075. METHOD OF ROLLING SHAPES. PAUL AUGUST SCHULZ, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Dec. 20, 1920. Serial No. 431,943. 6 Claims. (Cl. 80-66.)

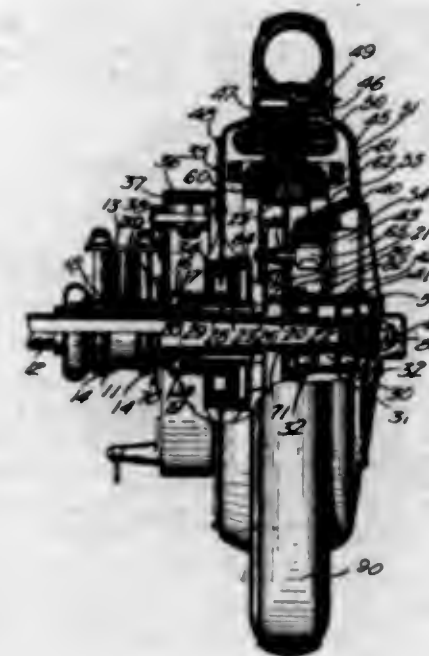


1. The process of forming structural shapes of the flange and web type in a universal mill consisting in rolling a blank to provide a web having a central zone of substantially uniform thickness and lateral zones which increase in thickness from the central zone to the fillets joining the webs and the flanges and thereafter in reducing the web between the fillets to a substantially uniform thickness throughout.

1,515,076. ELECTRICALLY-DRIVEN WHEEL FOR MOTOR VEHICLES. JACOB SCHURCH, Los Angeles, Calif., assignor of one-half to William H. Hulse, Los Angeles, Calif. Filed July 31, 1922. Serial No. 578,841. 10 Claims. (Cl. 172-36.)

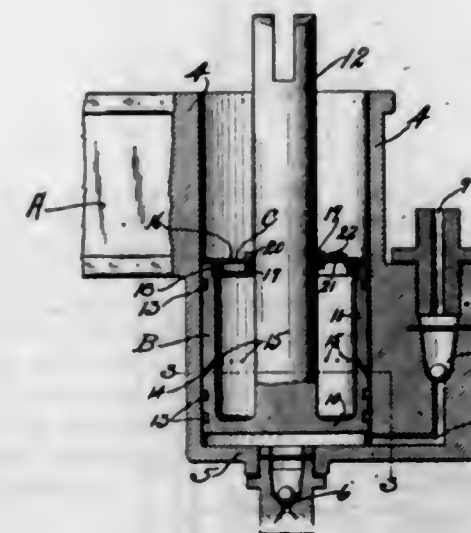
1. In a device of the class described, the combination of: a stator member comprised of a central radial web having a forward and a rearward cylindrical extension extending axially therefrom, said extensions forming a concentric bore adapted to receive a shaft; a bearing member rotatably mounted upon said forward cylin-

dricial extension; a forward rotor member removably mounted upon said bearing member, so as to permit the removal of said rotor member without disturbing



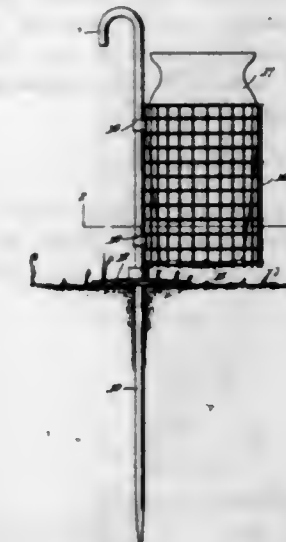
said bearing member; and a rearward rotor member, rotatably mounted upon said rearward extension and having connection with said forward rotor member at the periphery thereof.

1,515,077. SELF-LUBRICATING PISTON. WALTER A. SHALLENBERG, Salem, Ohio. Filed Apr. 28, 1923. Serial No. 635,324. 1 Claim. (Cl. 74-108.)



In a self lubricating piston construction, a piston having a head and an annular wall, the annular wall being provided with oil passages positioned about its circumference, a piston rod extending from the piston head axially of the piston, a closure disc for the upper end of the piston positioned about the piston rod and removably connected with the walls of the piston, said closure disc being provided with a packing gland about the piston rod to form a tight connection therewith and said closure having a filler opening, and a removable closure for the filler opening.

1,515,078. FLOWER HOLDER. PARKS E. SHEP, Lancaster, Pa., assignor of one-half to Edward I. Noble, Lancaster, Pa. Filed Aug. 30, 1922. Serial No. 585,221. 1 Claim. (Cl. 47-41.)

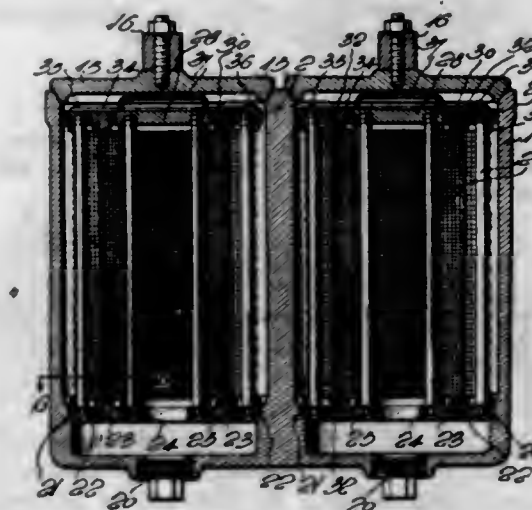


A flower holder comprising a rod having a pointed lower end and an integral hook at its upper end, a ground plate having a central opening mounted on said rod, said ground plate having a series of circumferentially spaced openings for permitting vegetation to pass therethrough, and a laterally offset, reticulated container having a skeleton bottom secured at its side wall to said rod above and in overlapped position relative to said ground plate.

1,515,079. MANUFACTURE OF ARSENIC ACID. VERNON T. STEWART, Montclair, N. J. Filed Sept. 18, 1922. Serial No. 588,998. 3 Claims. (Cl. 23-1.)

1. The process of making arsenic acid which comprises treating white arsenic in the presence of water at the boiling point with chlorine gas and refluxing the reaction mixture during the conversion whereby distillation of chloride of arsenic or other volatile arsenic compounds is avoided.

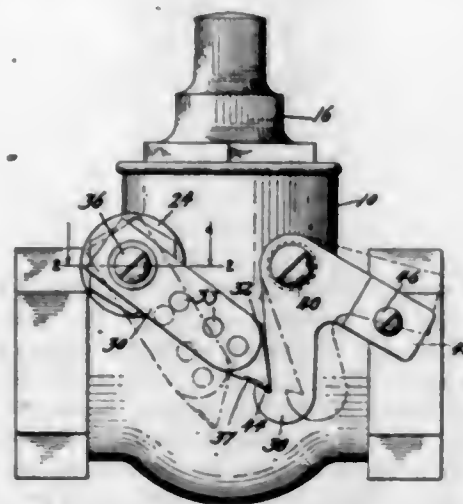
1,515,080. OIL STRAINER. CHRISTOPHER STRACHAN, South Orange, N. J., and DAVID J. IRISH, St. George, N. Y., assignors to Morse Dry Dock & Repair Co., New York, N. Y., a Corporation of New York. Filed Dec. 20, 1922. Serial No. 608,121. 5 Claims. (Cl. 210-168.)



1. A strainer comprising a cylinder having a removable closure at one end, an internal ring seat spaced from its other end and inlet and outlet ports between the plane of said seat and the ends of the

cylinder, a plurality of concentric nested rings, one of which is supported by said seat, said rings having coating surfaces whereby any ring except said one ring is supported by an adjacent ring, a plurality of concentric screens in the cylinder connected at one end to said rings, and spacing and closing means for the other ends of the screens, the interior of the innermost screen being in communication with the aforesaid other end of the casing by means of the opening through the innermost of the rings.

1,515,081. AUTOMATIC SHUT-OFF VALVE. WILLIAM E. TOELLE, Elmhurst, N. Y. Filed May 11, 1922. Serial No. 560,026. 10 Claims. (Cl. 137-162.)

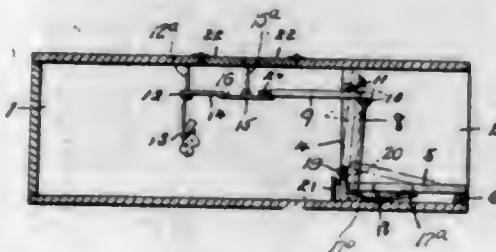


2. In an automatic shut-off valve, a spring pressed valve disc and means operatively connected to said disc for maintaining said disc in valve opening position comprising a stem upstanding from said disc, a flange on said stem above said disc, a yoke arranged to engage said flange, an operating shaft carrying said yoke, a fusible link on the extremity of said shaft, and a pivoted detent crank for engaging said link and maintaining said link in its valve opening position until manually released.

1,515,082. METHOD OF MAKING LIGHT METAL ALLOYS. WILLIAM R. VEAZBY, Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed May 8, 1920. Serial No. 379,803. 8 Claims. (Cl. 75-1.)

1. The method of causing magnesium to adhere to iron, which consists in applying an admixture of beryllium with such magnesium while in molten state in contact with the iron article to be coated.

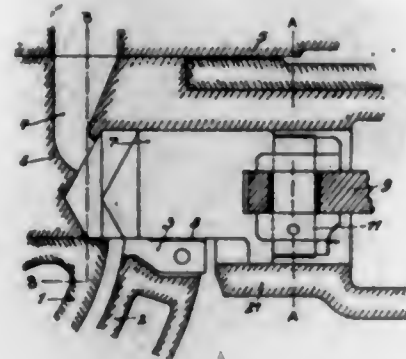
1,515,083. ANIMAL TRAP. WILLIE A. WILKINS, Tallula, Miss. Filed July 20, 1920. Serial No. 397,644. 2 Claims. (Cl. 43-61.)



2. A trap comprising an animal receiving closure having an entrance opening at one end, a hinged platform disposed within the entrance opening, a swinging door having a U-shaped member depending from one

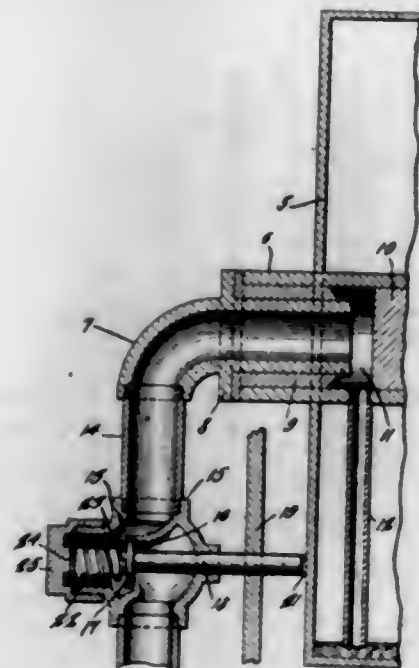
end for supporting said platform and a loop carried at its opposite end, a combined trigger and bait-holder for retaining the door in open position and a latch pivoted beneath the platform for engagement with the loop of the door.

1,515,084. STEREOTYPE-PLATE-CASTING MACHINE. OTTO WOHLRABE and VICTOR STEPHAN, Plauen, Germany. Filed May 12, 1924. Serial No. 712,785. 7 Claims. (Cl. 22-2.)



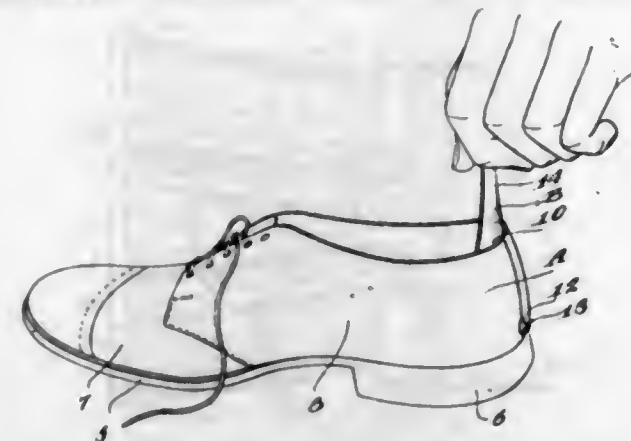
1. In a stereotype-plate casting machine, in combination; a casting mould having small longitudinal walls on opposite sides, and members having metal supply channels terminating at said walls.

1,515,085. DEVICE FOR MOVING WATER FROM SLASHERS. CHARLES H. WOLCOTT and WILLIAM C. STEPHENS, Thomaston, Ga. Filed Aug. 6, 1923. Serial No. 656,127. 3 Claims. (Cl. 34-4.)



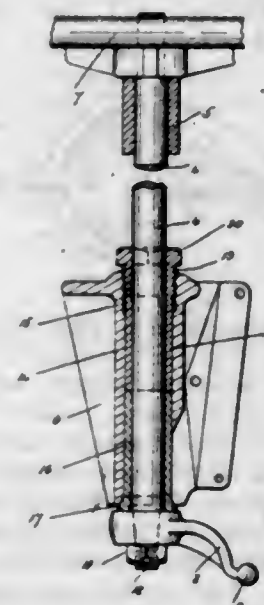
2. In a device of the character described, a hollow drum for receiving steam under pressure, a rotatable hollow shaft for supporting the drum, a pipe supported by the shaft and disposed within the drum, a pipe having communication with the shaft at one end thereof, and an automatically controlled valve controlled by the rotation of the body portion for controlling the passage of fluid through the pipes.

1,515,086. SHOE ATTACHMENT. LEONARD S. BALUTA, Berwick, Pa. Filed Apr. 27, 1921. Serial No. 464,970. 7 Claims. (Cl. 36-1.)



1. The combination with a shoe, of a guide therefor including a body secured at its lower end to the inner surface of the heel portion of the shoe and having its side edges free and a tab arranged to extend exteriorly of the shoe.

1,515,087. STEERING MECHANISM. CHARLES E. BARNES, Enid, Okla. Filed Dec. 24, 1923. Serial No. 682,481. 3 Claims. (Cl. 74-39.)

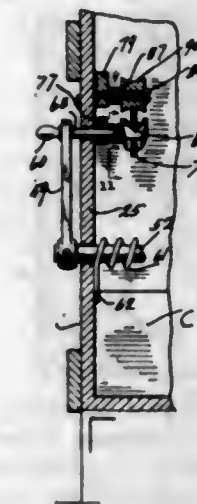


1. In a steering mechanism, a steering shaft, a support for the steering shaft provided with a bearing, means which prevent the steering shaft from moving downwardly, a steering arm secured on the lower end of the steering shaft, a bush arranged in the said bearing around the steering shaft with its lower end bearing against the hub of the steering arm, and a longitudinally adjustable sleeve secured in the said bearing above the said bush and affording a means for pressing the bush against the said hub to take up wear and prevent vibration.

1,515,088. COIN-CONTROLLED OPERATING MECHANISM FOR VENDING MACHINES. CLAYTON D. BRAVER, Wahoo, Nebr. Filed Sept. 28, 1922. Serial No. 591,129. 2 Claims. (Cl. 194-66.)

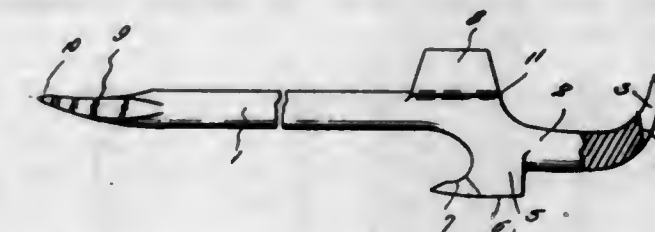
1. In a structure of the character described a support including a wall having an arcuate slot therein, a rotary operating shaft extending through the wall, a lever handle carried by said shaft externally of said wall, a stub shaft extending from said handle through said slot, an abutment carried by the stub shaft within the support, a latch movably mounted on the inner face of said wall, a spring yieldably holding said latch in position for engagement by the abutment to prevent swinging of the handle and rotation of the operating

shaft, a coin receiving cup carried by the inner end of said stub shaft, the cup being open at its top and bottom and having downwardly converging end walls whereby a coin of a predetermined size may be supported in



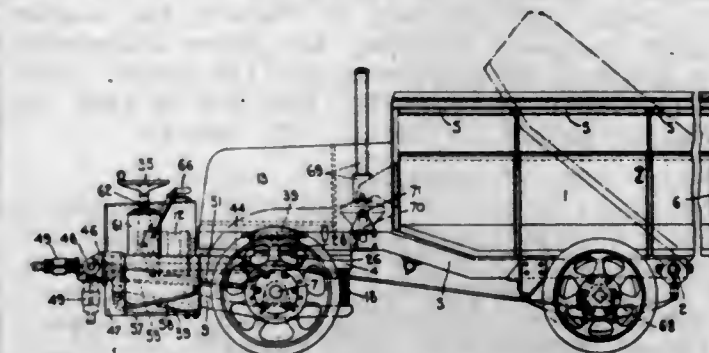
the cup to move the latch to an inoperative position when the handle is moved and a small coin permitted to drop through the cup, and means whereby a coin may be deposited in said cup.

1,515,089. COMPOUND TOOL. DAVID L. BOYER, Reading, Pa. Filed May 1, 1924. Serial No. 710,351. 1 Claim. (Cl. 254-25.)



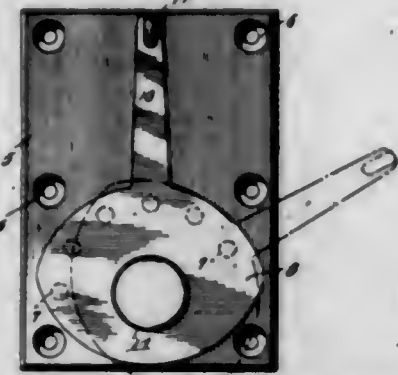
A tool comprising a shank having at one end a work engaging edge and provided at the opposite end with an offset curved portion, the shank being provided at one side and at the point of merger with the offset portion, with a laterally disposed projection and having at its opposite side and at the inner end of the offset portion a laterally disposed extension, the said projection and extension being provided at their edges toward the offset portion with plane surfaces, which are disposed outwardly beyond the opposite sides of the outer end of the curved offset portion.

1,515,090. MOTOR VEHICLE AND TRAILER. ANTON LOUIS BROEKMAN, York, England. Filed Mar. 5, 1924. Serial No. 697,066. 5 Claims. (Cl. 280-33.)



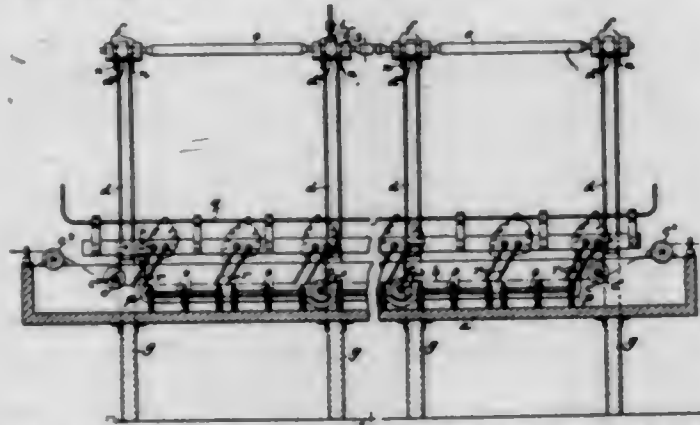
1. The combination, with a self-propelling motor vehicle provided with a disengageable motor and disengageable steering mechanism, of a draft attachment carried by the said vehicle and adapted to connect it to a tractor, and means for disengaging the said motor and steering mechanism automatically when the said draft attachment is moved from its normal inoperative position into a position for coupling it to the tractor, thereby converting the said motor vehicle into a trailer.

1,515,091. DOORSTOP. JAMES F. BROWER and CHARLES A. BROWER, Lansing, Mich., assignors of one-third to John J. Brennan, Lansing, Mich. Filed Aug. 25, 1924. Serial No. 734,070. 1 Claim. (Cl. 292-204.)



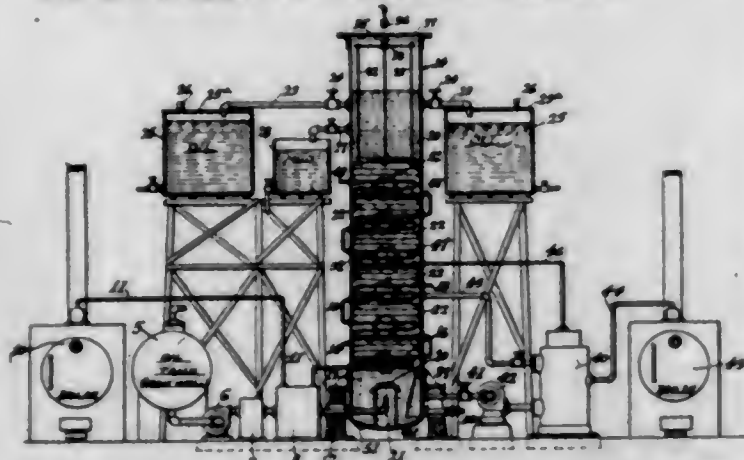
A closure securing device including a supporting plate having a plurality of recesses formed therein, the recesses being arranged in a semi-circular line, a cam member pivotally supported on the plate, a locking ball carried by the cam member and adapted to move within the recesses to lock the cam member in various positions of adjustment, and means on the cam member to permit the cam member to be operated.

1,515,092. PROCESS AND APPARATUS FOR COATING WIRE AND OTHER DRAWN AND ROLLED SECTIONS WITH OTHER METALS. SHERARD OSBORN COWPER-COLES, Sunbury-on-Thames, England. Filed Jan. 2, 1924. Serial No. 633,951. 6 Claims. (Cl. 204-11.)



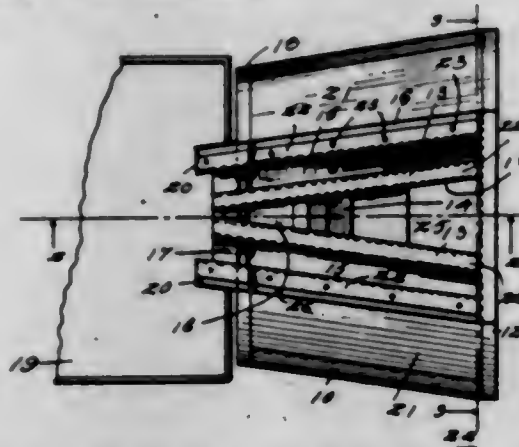
1. A process for electro-plating wire and the like which consists in passing the said wire through an electrolyte and over the anodes and simultaneously subjecting the same to a rapid oscillating or reciprocating motion sufficient to throw off the adherent film of electrolyte.

1,515,093. PROCESS OF DEHYDRATING OIL. VIRGIL C. CRITES and KENNETH A. WRIGHT, Los Angeles, Calif., assignors, by direct and mesne assignments, to American Oil Dehydrating Co., Los Angeles, Calif., a Corporation of California. Filed Feb. 4, 1924. Serial No. 690,529. 9 Claims. (Cl. 196-4.)



1. The process of dehydrating oil comprising treating the oil with a solution of calcium chloride.

1,515,094. INSECT TRAP. JACOB T. CUMBLE, Orr, Okla. Filed July 14, 1923. Serial No. 651,562. 5 Claims. (Cl. 43-121.)



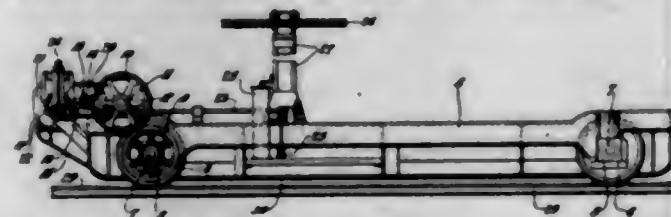
1. A trap of the class described having longitudinally extending converging walls in spaced relation, the trap having a trap chamber intermediate said walls, said walls at one end projecting beyond the trap chamber, a ledge joining said walls beyond the trap chamber, a destroyer, and said ledge being elevated with respect to the base of the trap so as to overlap the destroyer.

1,515,095. HEADLIGHT. JAMES A. DARSIE and GEORGE DARSIE, Pittsburgh, Pa. Filed Aug. 5, 1921. Serial No. 400,034. 6 Claims. (Cl. 240-48.4.)



1. A headlight comprising a source of illumination, a reflector at the rear of said source of illumination, an inclined deflector member which extends forwardly from the reflector and has a convex surface disposed toward the reflector, said inclined deflector member extending downwardly only partly across the path of a beam of light projected forwardly by the reflector, the lower part of the front of the lamp being entirely open, whereby said convex deflector may deflect incident rays in an unobstructed downwardly and forwardly extending path.

1,515,096. IGNITER CAR FOR SINTERING APPARATUS. THOMAS J. DAVIS, Duquesne, and JOHN W. FORSYTH, Wilkesburg, Pa. Filed Sept. 23, 1922. Serial No. 590,093. 7 Claims. (Cl. 266-21.)

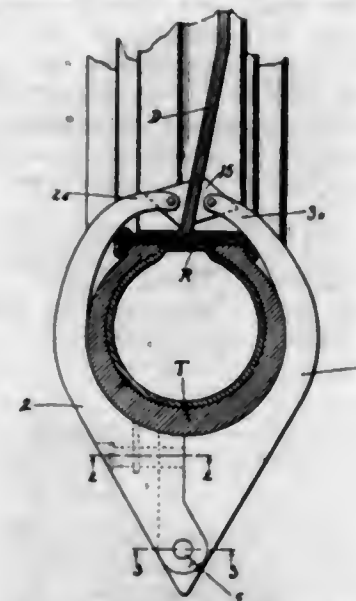


1. The combination with a sintering pan adapted to support a quantity of material to be sintered, of an igniter comprising a rigid main frame, wheels on said frame, said frame and said wheels having a fixed vertical position relative to each other, burners removably mounted on said frame, and means mounted on said main frame for propelling said igniter.

1,515,097. THEFT LOCK FOR DISK WHEELS. WILLIAM E. DICKSON, Ontario, Calif., assignor of one-half to George B. Elliott, Ontario, Calif. Filed Dec. 12, 1922. Serial No. 606,403. 3 Claims. (Cl. 70-90.)

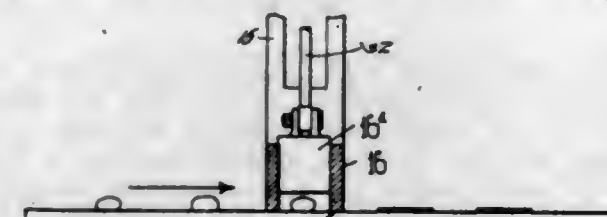
1. A theft lock and signal device comprising a pair of clamp-like sections pivotally connected and having

inwardly turned ends to be closed in toward the contiguous faces of a disk wheel, and means for locking the clamp lock sections in closed position, said locking



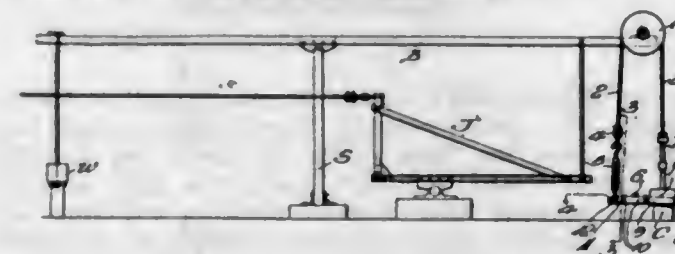
means including an interrupted toothed socket provided in one section and a key controlled semicylindrical bolt provided on the other section and adapted to be rotated into locking engagement with the teeth of the socket.

1,515,098. BISCUIT-MAKING APPARATUS. WILLIAM DREDGE, Manchester, England. Filed July 21, 1924. Serial No. 727,348. 2 Claims. (Cl. 107-15.)



2. An apparatus for the manufacture of biscuits and the like formed from separate pieces of dough which are moulded into the desired shape, comprising, in combination, shaping means for the dough pieces comprising a reciprocating mould, an inner reciprocating die therefor, positive operating means for said mould and positive operating means for said plunger independent of the mould operating means; means for producing dough pieces directly from a dough batch in condition for delivery to said shaping means; and an intermittently moving conveyor, the rest periods of which synchronize with the operations of the shaping mechanism, for automatically conveying the dough pieces from the producing means to the shaping means and then away from the shaping means.

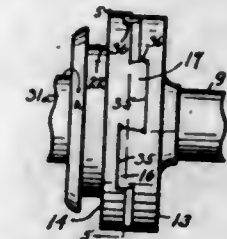
1,515,099. PUMP-OPERATING MEANS. NEWTON FELLABAUM, Sperry, Okla. Filed Jan. 24, 1924. Serial No. 688,326. 4 Claims. (Cl. 74-5.)



1. The combination with a well casing, a vertically reciprocable pump part extending above the same, and an upwardly and downwardly movable operating lever over said part; of a guide wheel mounted on said operating lever at a point remote from its fulcrum, a flexible element trained over said wheel and having two reaches depending therefrom, means anchoring one reach of said

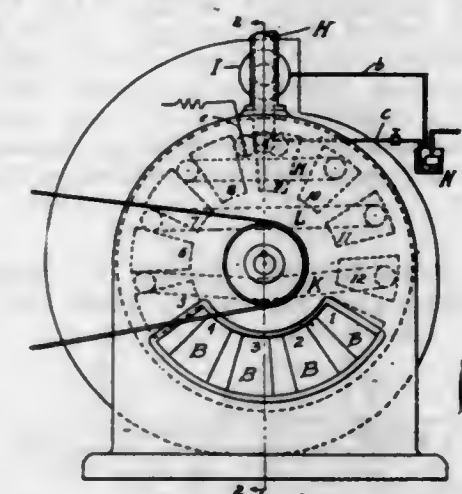
flexible element to said well casing, and means connecting the other reach of said flexible element to said pump part, the first named reach of the flexible element being remotely spaced from the fulcrum of the lever to cause the guide wheel to roll along said element as the lever operates.

1,515,100. REAR CLUTCH FOR MOTOR VEHICLES AND THE LIKE. WALTER L. FOSTER, Whittier, Calif., assignor, by direct and mesne assignments, of twenty-four one-hundredths to Herman C. Smith and twenty-four one-hundredths to Chris Allen, both of Whittier, Calif. Filed July 31, 1922. Serial No. 578,614. 2 Claims. (Cl. 192-108.)



1. A clutch connection comprising rotatable plates having circumferentially spaced axially projecting jaws arranged for circumferential abutment of the jaws of said plates, the respective jaws having inwardly converging contact sides, the spaces between the jaws of each plate being of greater circumferential width than the jaws of the cooperating plate, and offsets in the bases of said spaces extending from one side of said jaws a distance substantially equal to the circumferential width of the jaws of the cooperating plate and terminating in shoulders spaced from the next adjacent jaws so as to form non-offset portions of the bases of said spaces between said shoulders and the next adjacent jaws, said non-offset portions of the spaces between adjacent jaws being of a width less than that of said jaws.

1,515,101. AIR COMPRESSOR. OTIS L. FOWLER, Lynbrook, N. Y. Filed Mar. 9, 1923. Serial No. 623,839. 8 Claims. (Cl. 230-16.)



1. The method of compressing air which consists in progressively increasing the pressure in an air chamber by successively connecting such chamber with a series of separate chambers each containing air at a higher pressure than that in the first mentioned chamber and finally subjecting the air in said chamber at the time of such connection to gas or vapor pressure to complete the compression of the air therein.

1,515,102. DEVICE FOR INTRODUCING THE WOOF BY MEANS OF A GRIPPING CONTRIVANCE IN LOOMS. JOHANN GARLER, Ettlingen, Germany. Filed July 5, 1922. Serial No. 572,817. 9 Claims. (Cl. 139-127.)

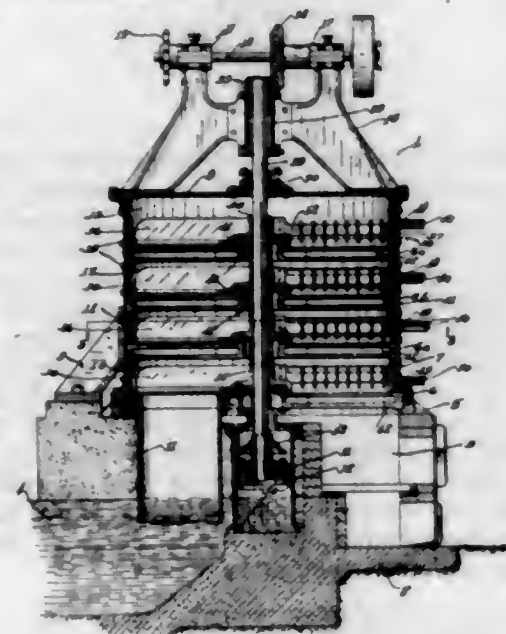
4. In loom mechanism, a weft supply, means for introducing the weft thread from said supply into the

shed double, to approximately the center of the shed, means for then severing the weft thread from the stretch laid during the preceding pick, at a point some distance



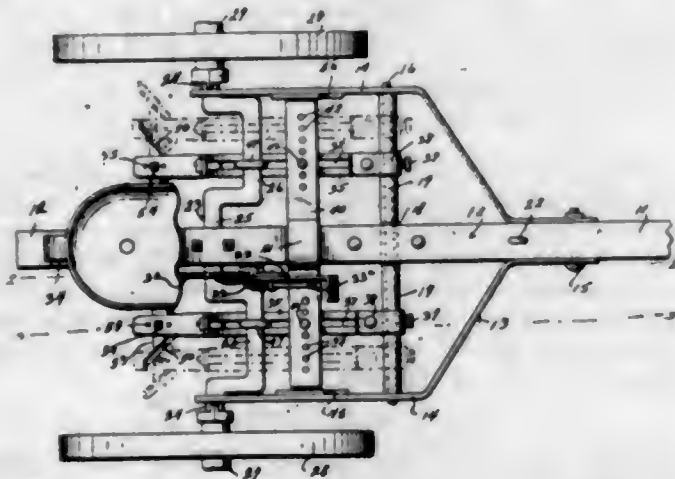
within the shed so as to form a selvage, and means for drawing the severed end of the weft thread through the shed to lay the weft thread singly before the beating up operation.

1,515,103. DIGESTER. CHARLES H. GAGE, Columbus, Ohio. Filed Jan. 26, 1922. Serial No. 532,005. 2 Claims. (Cl. 202-14.)



1. In a digester, a casing, a horizontally disposed table structure disposed within said casing, said structure consisting of a plurality of segmental interfitting sections, jackets formed in each of said sections admitting of the circulation of a heating medium therethrough, means establishing communication between said jackets admitting of a circuitous passage of steam through said jackets and means for distributing the material to be treated over the upper surface of said table structure.

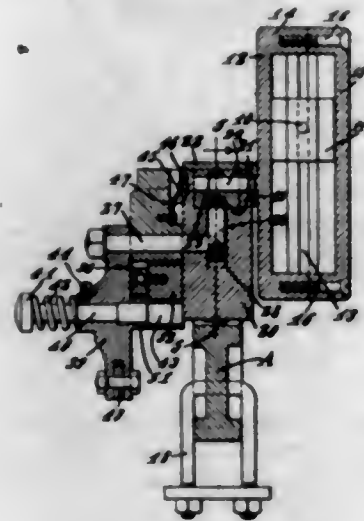
1,515,104. CORRUGATOR. GEORGE A. GHENT, Buhl, Idaho. Filed Jan. 31, 1924. Serial No. 689,779. 6 Claims. (Cl. 97-55.)



1. In a corrugator or the like, a wheel supported frame, a member extending transversely of the frame and having a crank, a beam pivotally supported from the frame at a point spaced longitudinally of the frame from said member, means for rotating the member and

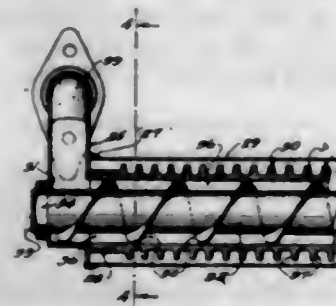
for locking the member in adjusted positions, a connection between the crank and the beam at a point spaced from the pivot of the beam, said connection being rotatable upon the crank and slidable upon the beam, a member extending transversely of the frame and engaged with the beam intermediate the pivotal connection thereof and the connection between the crank and beam, and abutment members extending upwardly from the frame and against which the ends of said transverse member engage.

1,515,105. DIRIGIBLE HEADLIGHT. JAMES GLENNON, Rochester, Minn. Filed Jan. 25, 1924. Serial No. 688,540. 7 Claims. (Cl. 240-62.)



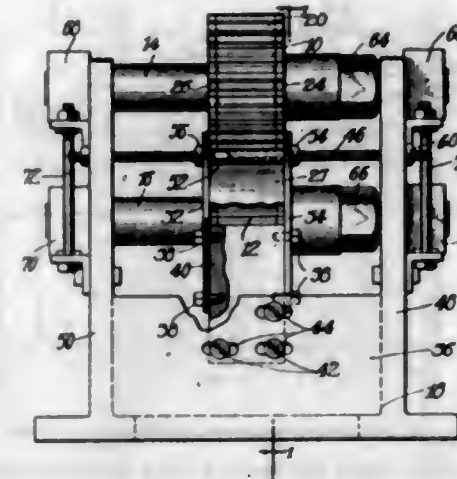
2. The combination with a slide, a rotatable lamp housing, and means operated by the slide for shifting the housing, of a shaft for actuating the slide, a ring rotatable with the shaft, a member mounted to swing upon the shaft, means for connecting said member to the steering mechanism of a vehicle, a plunger carried by the member and insertable into the ring to provide a lost motion driving connection between said member and ring, and cooperating means upon the member and ring for imparting an abrupt motion to the ring from the member when moved toward normal position.

1,515,106. AUTOMOBILE HEATER. JULIUS F. GOETZ, Hartford, Wis. Filed May 28, 1923. Serial No. 641,956. 4 Claims. (Cl. 257-136.)



3. In an automobile heater, a pair of hollow bracket members, the outer walls of which are provided with openings, and the inner walls of which are provided with concentrically arranged flanges; a pair of tubes arranged between said bracket members engaging said flanges, whereby they are maintained in concentric spaced relation; a third tube within said other tubes, extending through the openings in said outer walls; means comprising a rigid spiral flange carried by said third tube for providing an elongated spiral passage between it and the surrounding tube, said passage communicating with said hollow bracket members; and means carried by said third tube for maintaining the parts in assembled relation.

1,515,107. MACHINE FOR CORRUGATING METAL STRIPS. ABRAHAM GOLDBERGER, New York, N. Y. Filed June 27, 1923. Serial No. 647,971. 3 Claims. (Cl. 153-77.)

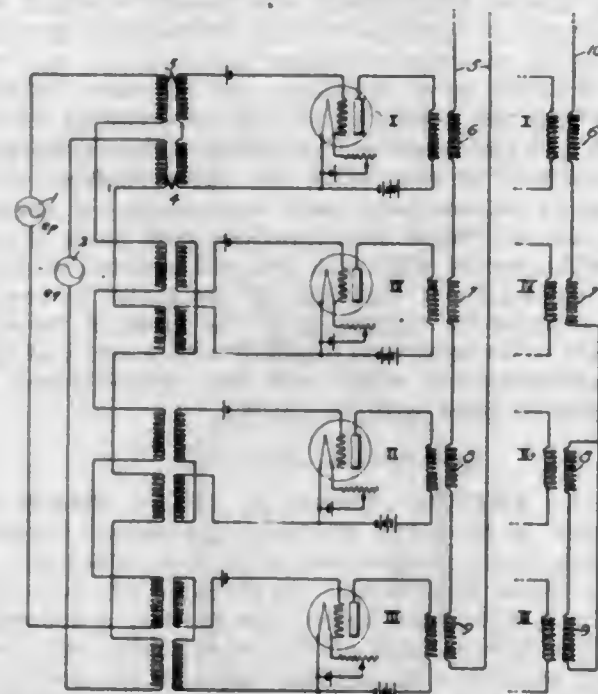


1. Apparatus of the type described which comprises, a pair of intermeshing corrugated rolls, a supporting framework for said rolls, a pair of guides fixed to the front portion of said framework and extending rearwardly to overlap with the opposite ends of said rolls at the place of intermeshing, and a rod extending through the upper portions of said guides and arranged to hold said guides in spaced relation.

1,515,108. GRAIN PRODUCT AND PROCESS OF MANUFACTURE. FREDERICK W. GRAFF, Chicago, Ill. Filed May 28, 1923. Serial No. 642,093. 2 Claims. (Cl. 99-8.)

1. The process of rendering hygroscopical substances such as those resulting from the drying of extracts of grain and grain products such as malts, non-hygroscopical by the addition of materials such as resins derived from hops which are able to form a protecting film over the extracts of grain and grain products when dried.

1,515,109. CURRENT-MODIFYING RELAY SYSTEM. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,731. 20 Claims. (Cl. 179-171.)

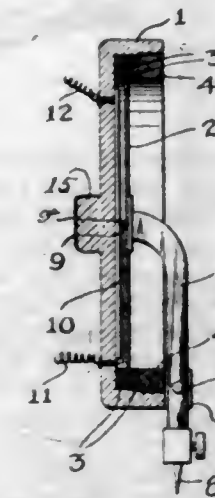


1. The method of operating wave distorting repeating devices having a plurality of input circuits and a common work circuit to produce desired wave components in said work circuit, which method comprises simulta-

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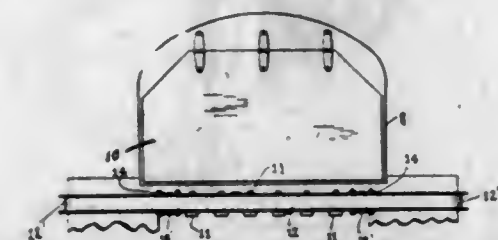
neously impressing upon four or more of said input circuits waves of a plurality of frequencies whereby combinations of unmodified-frequency, multiple-frequency and combination-frequency are produced by said devices, suppressing the unmodified-frequency components by impressing them simultaneously upon the common work circuit in such phase relations that their effects are neutralized therein, and simultaneously suppressing the undesired other components by likewise impressing them simultaneously upon the common work circuit in such phase relation as to neutralize their effects therein.

1,515,110. PHONOGRAPH TRANSMITTING REPRODUCER. OSCAR E. HEIBERG, Brooklyn, N. Y. Filed Mar. 23, 1920. Serial No. 368,169. 1 Claim. (Cl. 179-100.1.)



A reproducer of the class described comprising a casing, a diaphragm mounted therein, a contact in said casing inwardly of said diaphragm, a stylus holder pivotally mounted in blocks on said casing, said holder being provided with a contact pin which is secured centrally of said diaphragm and electric wires passing into said casing and one of which is secured to said contact pin, the pivotal connection of said stylus holder with said blocks being made by lead pivots for the purpose of eliminating the harsh reproduction of sound through said reproducer.

1,515,111. TRUCK-TANK BUMPER. JULIUS P. HEIL and ARTHUR BORCHARDT, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 618,166. 5 Claims. (Cl. 293-55.)

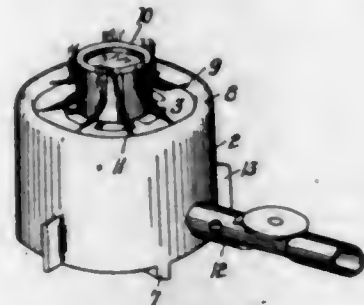


1. A truck tank bumper, comprising a truck frame, a bracket connected thereto, arms pivotally connected directly to the frame in spaced relation, a bumper member carried by the outer end portions of the arms and having two positions of rest, and a locking means carried by the bumper member and engaging the bracket when in locked position.

1,515,112. BURNER. WALTER H. HISEY, Toledo, Ohio. Filed Feb. 14, 1923. Serial No. 619,035. 2 Claims. (Cl. 158-99.)

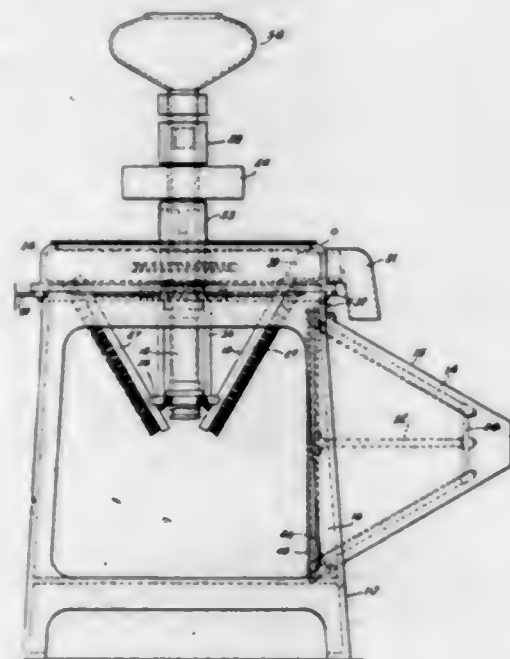
1. In a burner, an outer wall, an inner wall spaced from the outer wall to form a gas chamber, said walls being of relatively considerable length and arranged in substantial parallelism and the inner wall being open

at its top and bottom to form an elongated air passage, a perforated top wall and a bottom wall connecting the inner and outer walls, radially disposed depending ribs connected to the bottom wall and forming supporting legs for the device to hold the bottom of the latter spaced above a supporting surface, a series of spaced fingers connected at their outer ends to the points of juncture of the inner and top walls and having their inner ends spaced and terminating adjacent to the axis



of the air passage, a series of vertical ribs extending outwardly from the outer wall and arranged in spaced surrounding relation thereto, and an invested ring seated on said fingers and having its periphery spaced from the inner circumference of the inner wall so as to allow air to flow upwardly in alignment with the spaces between the inner circumference of the inner wall and the periphery of the ring and in the spaces between the fingers.

1,515,113. FINISHING MACHINE. AUGUST HOLMQUIST and WILLIAM A. BJORKLUND, Hoopeston, Ill., assignors to Sprague-Sells Corporation, Hoopeston, Ill., a Corporation of Delaware. Filed Feb. 14, 1924. Serial No. 692,716. 20 Claims. (Cl. 146—175.)

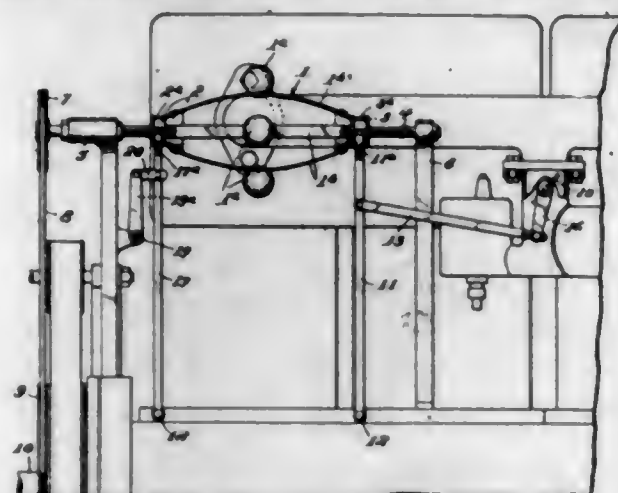


2. In a finishing machine, a perforated screen, means for supplying material to said screen, a revolving brush for moving said material over said screen, a bowl for receiving the material passing through said screen, and a pivotal mounting for said bowl.

1,515,114. AUTOMATIC SPEED-GOVERNING DEVICE FOR INTERNAL-COMBUSTION ENGINES. EDWARD T. HULL, New York, N. Y. Filed June 19, 1920. Serial No. 390,191. 3 Claims. (Cl. 264—3.)

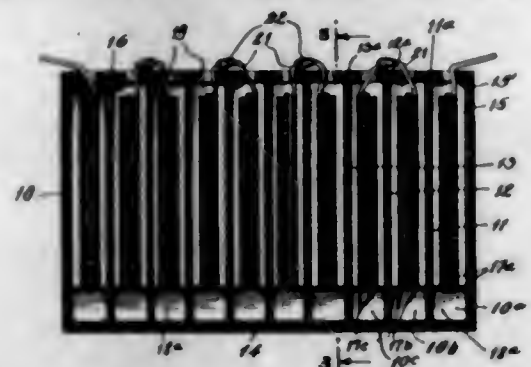
3. An engine speed governor including in combination, an engine provided with a throttle valve and a driven shaft, a centrifugal governor comprising two collars, each

slidably splined on said shaft and rotatably driven thereby, bowed springs connecting said collars together,



weights carried by said springs, a link connecting one of said collars to the throttle valve of the engine, and a link connecting the other collar to a hand control.

1,515,115. STORAGE-BATTERY CONTAINER. SIDNEY ISAACSON, New York, N. Y. Filed Apr. 13, 1922. Serial No. 552,206. 1 Claim. (Cl. 204—29.)

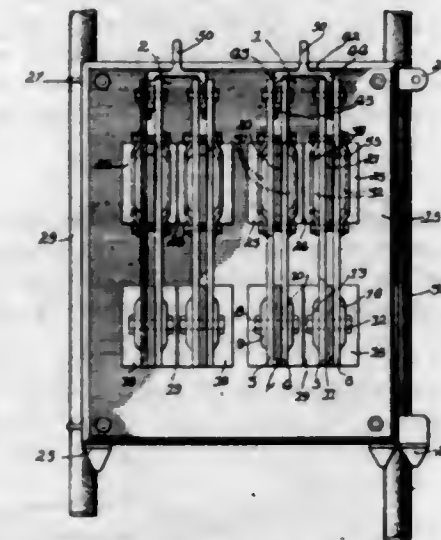


A storage battery container comprising a unitary construction having a body consisting of a bottom, side walls and end walls formed integral with said bottom, transverse partitions arranged integral with the bottom and side walls of the body and extending upwardly from the bottom to points below the upper ends of said walls, said partitions dividing the interior of the body into a plurality of non-communicating cells adapted to contain battery plates, longitudinal ribs formed integral with and upstanding from the bottom between the partitions and adapted to support battery plates within the body, and a one-piece cover extending over the entire open end of said body for closing all of said cells, resting for support on said partitions and having its edges engaging the inner surfaces of said walls, the upper surfaces of the cover being substantially flush with the upper edges of said walls, said cover being provided with pairs of openings corresponding with each cell and adapted to permit the free passages of the leads of the plates in one cell to the exterior for connection to the leads in the other cells, said cover being also provided with a series of openings communicating with said cells wherethrough the latter may be filled with electrolyte.

1,515,116. SWITCH. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1919. Serial No. 289,922. 39 Claims. (Cl. 200—169.)

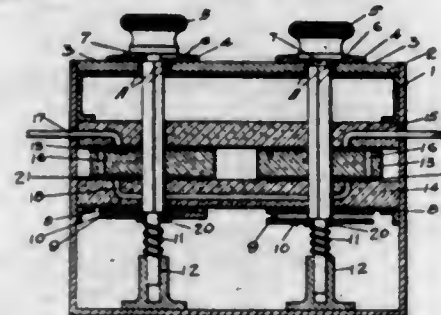
15. In a switch and board construction, a supporting board, bus bars in back of the board, short sections of bus bar projecting in parallel through the board and forming switch studs in pairs, each pair comprising a hinge stud and a free stud, a switch arm for each pair of studs, each arm comprising a pair of blades lying on the outsides of the corresponding studs, spring means for holding each pair of blades in full floating contact

with its pair of studs, locking means for each switch arm lying between the blades of each pair, and common means controlling all the locks of the arms and serving to open and close the arms in unison, the sections of



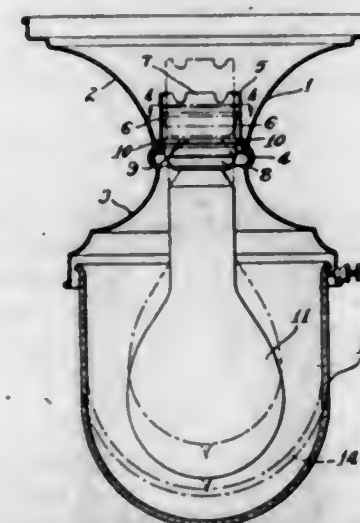
bus bar comprising the hinge studs being all clamped together electrically at the rear of the board and the sections of bus bar comprising the free studs being all clamped together electrically at the rear of the board.

1,515,117. AUTOMOBILE COMBINATION LOCK. WALTER A. JACOBS, Portland, Oreg. Filed Dec. 7, 1921. Serial No. 520,466. 4 Claims. (Cl. 200—43.)



1. In an automobile lock, a case containing a mechanism comprising, a post extended from the bottom to the top of said case, a spring at the lower end and surrounding said post, a pin extending through said post, a movable plate having a hole in the center thereof, a stationary plate having a hole in the center thereof adapted to fit on said post, and an index plate with a hole in the center thereof, a knob screwed to the top of said post, substantially as set forth.

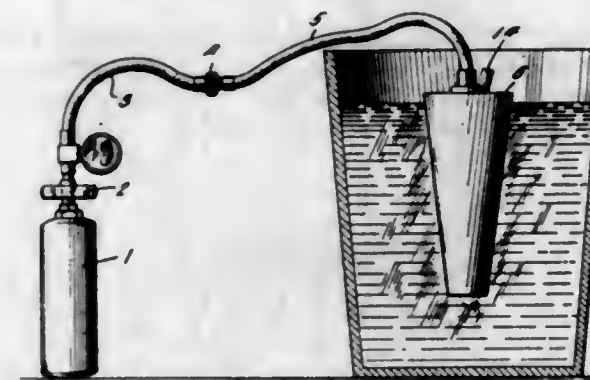
1,515,118. FIXTURE. WILLIAM L. JOHNS, Cleveland, Ohio, assignor to The Scott Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 6, 1922. Serial No. 534,456. 2 Claims. (Cl. 140—78.)



1. The combination with an electrical fixture, of a socket holder positioned within said fixture, said holder being formed with a pair of oppositely disposed inverted

L-shaped slots, a two part lamp socket positioned within said holder, and a ring clamped between the parts of said socket, said ring being provided with ears adjustably engaged in said slots.

1,515,119. REFRIGERATING DEVICE. WALTER S. JOSEPHSON, New York, N. Y., assignor to B. M. J. Utilities, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 3, 1922. Serial No. 592,072. 3 Claims. (Cl. 62—92.)



1. In a device of the class described, an expansion chamber having an outer wall of frusto-conical form, of an inner spaced wall of like form, the chamber within said inner wall being in open communication at the lower end with the chamber intermediate of the two walls, an inlet having a reducing valve for the inflow of refrigerant to one of the chambers, and an outlet having a mouth of relatively large size for the outflow of expanded gas from the other of the two chambers, and means for detachably connecting the apparatus with a suitable source of supply of a liquefied gas.

1,515,120. COMBINATION VANITY ARTICLE. NATHAN KASDAN, Bronx, and DANIEL POLLACK, Brooklyn, N. Y. Filed June 28, 1922. Serial No. 571,358. 5 Claims. (Cl. 132—83.)



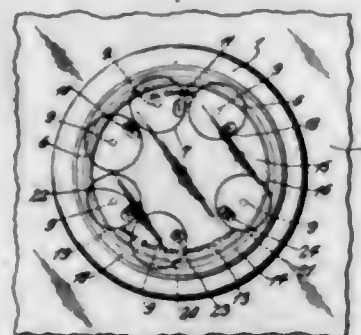
2. A vanity article in the shape of a hand mirror, comprising a body section equipped with a mirror on its obverse face and a powder puff box on its reverse face having a cover, a handle hinged to one edge thereof so as to lie in the plane of said section, said handle being adapted to be folded up close against the mirror when the article is not in use, means for locking the handle in its normal operative position for use and a toilet-stick holder applied within said handle and removable for use through the end thereof, said handle being hollow and formed with an opening in its lower end closely fitting said holder adjacent to its closed end, leaving the closed end of the holder exposed and said holder normally closing the end of the handle, and said holder being a metal tube adapted to be introduced endwise through said opening and between the front and back inner walls of the handle and containing a follower for the toilet-stick having an operating shank and exposed head therefor.

1,515,121. SURFACING AND COLORING CONCRETE. ROBERT R. KAUFMAN, Cleveland, Ohio, assignor to The Master Builders Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1923. Serial No. 629,698. 3 Claims. (Cl. 91-68.)

1. The process of improving the appearance of a structure made of colored concrete which contains the step of applying thereto a wax dissolved in a water-free volatile vehicle and colored the same as the structure.

3. Concrete having its superficial pores filled with a wax in which is dissolved a coal-tar dye.

1,515,122. INDICATOR. WILLIAM H. KEYS, Clayton, Mo., assignor of one-half to Owen J. Sullivan, University City, Mo. Filed Nov. 21, 1923. Serial No. 676,024. 5 Claims. (Cl. 40-70.)

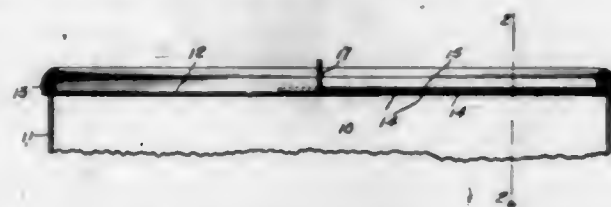


1. An instrument of the class described, comprising a case adapted to be mounted on the instrument board of an automobile, a series of independently settable dial wheels carried in the case arranged for manual operation, a stationary dial plate having a series of openings therein to cooperate with the respective dial wheels, and a removable ring covering the edges of the dial wheels and permitting access thereto for manipulation.

1,515,123. INK. HERMAN KAUSE, Jersey City, N. J., assignor to Peerless Ink Corporation, a Corporation of New Jersey. Filed Dec. 16, 1921. Serial No. 522,883. 1 Claim. (Cl. 124-36.)

A stencil ink containing a color base, glycerine, and a saponified varnish.

1,515,124. COVER FOR CONTAINERS. JOHN T. LAGOIS, Brooklyn, N. Y. Filed June 14, 1921. Serial No. 477,463. 7 Claims. (Cl. 221-62.)

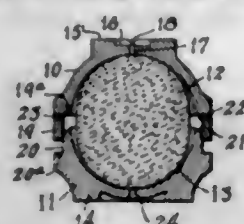


1. In a can, a sheet tin top having edges securely fastened and hermetically sealed to the sides of the can body, said top being scored to outline an aperture without punching the top through so that said top provides a continuous sheet metal end for said can body without apertures punched therethrough, a slidable cover piece over said aperture, and means carried by said top for slidably holding said cover piece in place.

1,515,125. APPARATUS FOR MOLDING PLASTIC MATERIALS. DIRK S. LANDSTRA, South Orange, N. J. Original application filed Oct. 5, 1918. Serial No. 256,932. Divided and this application filed Mar. 31, 1920. Serial No. 370,133. 1 Claim. (Cl. 25-27.)

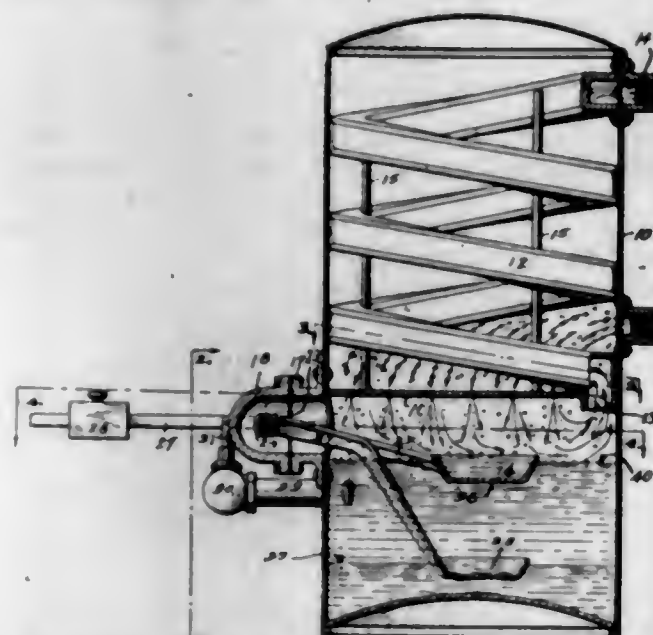
In an apparatus for molding articles of plastic material, the combination of upper and lower mold members one having its edge portion cut away outwardly to

form a thin inner edge and the other having a flange depending over the said edge portion of the first-mentioned mold member and forming with said thin inner edge



thereof an annular chamber for surplus material, said flange having vent holes through its base or portion farthest from its free edge, whereby the said annular chamber for surplus material is vented at its extreme top.

1,515,126. SEPARATOR FOR CRUDE OIL AND GAS. TALBOT LENNOX, Marshalltown, Iowa. Filed Feb. 7, 1924. Serial No. 691,164. 5 Claims. (Cl. 183-27.)



1. A separator for gas and oil comprising in combination a casing, means for introducing gas and oil into the casing, and a pipe in the form of a helical coil arranged wholly within the casing and having its lower end open to the interior of the casing to receive gas and oil and having its upper end communicating with a gas discharge pipe, and also having an imperforate outer wall, for the purposes stated.

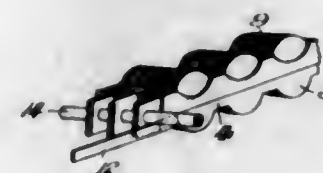
1,515,127. DISPENSING DEVICE. HARRY S. LEVINTHAL, Melrose Park, Ill. Filed Dec. 31, 1923. Serial No. 683,627. 1 Claim. (Cl. 221-76.)



A dispensing device comprising a container and a separable stopper device having two parallel axially extending bores; an air compressing means associated with

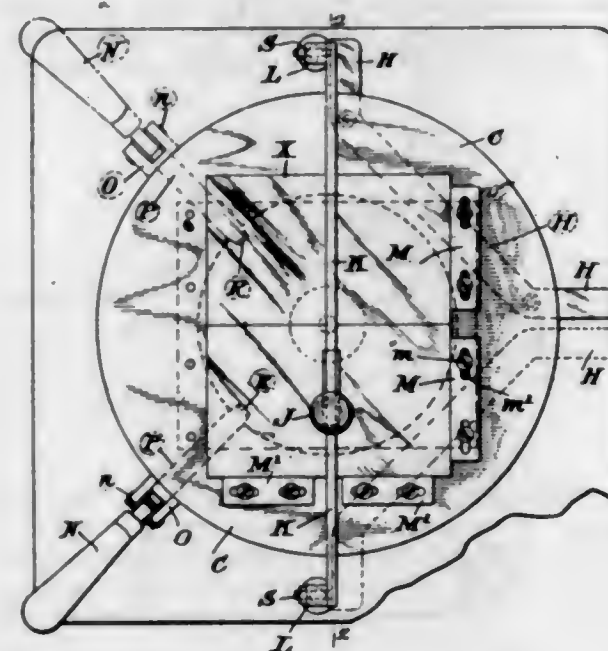
one bore to force air into the container; a pipe extending into the container and thru the other bore in the stopper and deflected laterally from the stopper; a band extending around the outer end of the stopper and clamped thereto providing means to pivotally support a lever and a lever pivoted to said support having one end overlying the outer end of the pipe to normally close the pipe and its other end extending to the air compressing means.

1,515,128. ELECTRODE FOR ELECTROLYTIC CONDENSERS. RALPH E. MARBURY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1920. Serial No. 419,708. 8 Claims. (Cl. 175-315.)



1. An electrode comprising a series of disks integrally formed.

1,515,129. GLASS-CUTTING MACHINE. ALVIN L. MAYER, Long Island City, N. Y. Filed Apr. 9, 1923. Serial No. 631,026. 5 Claims. (Cl. 33-26.)

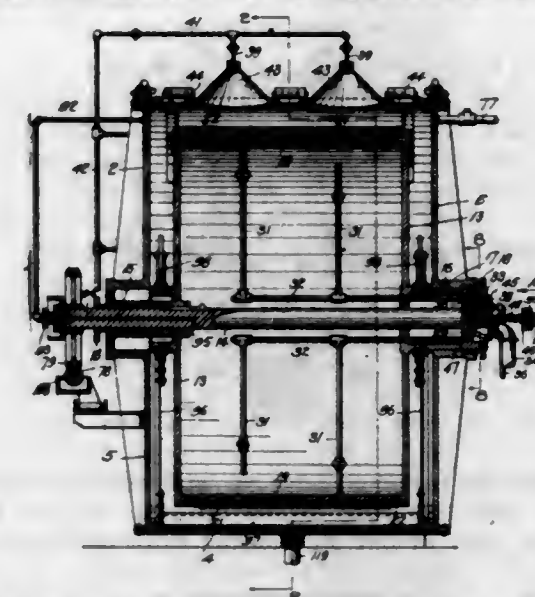


1. A machine for cutting glass, comprising a rotary plate holding table, a plurality of cutters, a plurality of parallel cross bars on which they are mounted, horizontally arranged calibrated bars on which the cross bars are supported, gages for positioning the plate, and means for locking the table in adjusted position.

1,515,130. FILTER. EDWIN MORRISON, Denver, Colo., assignor to The Great Western Sugar Company, Denver, Colo., a Corporation of New Jersey. Filed July 21, 1920. Serial No. 397,827. 17 Claims. (Cl. 210-201.)

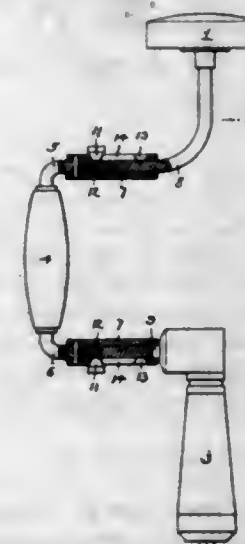
1. A filter comprising an air-tight casing adapted to contain a bath of material to be filtered, a moving filter-

ing element in said casing passing through said bath, means for supplying an elastic fluid under more than atmospheric pressure to the casing above the liquid level



of the bath, and means for applying by said fluid pressure a protective coating to the filtering surface of the element prior to its immersion.

1,515,131. BRACE. HARRY G. W. OTT, Philadelphia, Pa.; Martha Ott administratrix, C. T. A., of the estate of the said Harry G. W. Ott, deceased. Filed Jan. 11, 1923. Serial No. 612,105. 1 Claim. (Cl. 145-66.)

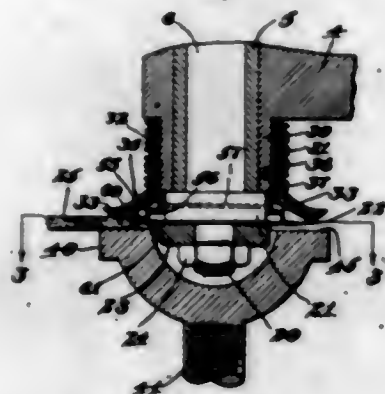


The combination, in a brace, of a head and a chuck in axial alignment, an operating handle parallel thereto, a laterally projecting stem on said head, a laterally projecting stem on said chuck, and a laterally projecting stem on said handle cooperating therewith, one of each of such cooperating pairs of stems carrying a sleeve adapted to receive the other stem of the pair, each sleeve being provided with a pair of conical apertures and a slot connecting the same, and on each cooperating stem, a movable fastening member embodying a stem capable of longitudinal movement in the sleeve-slot and a conical head adapted for engagement in either of the conical apertures in said sleeve.

1,515,132. MACHINE FOR OPERATING ON BOOT AND SHOE SOLES. CHARLES B. SPALSBURY, St. Louis, Mo., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 5, 1923. Serial No. 630,132. 3 Claims. (Cl. 12-27.)

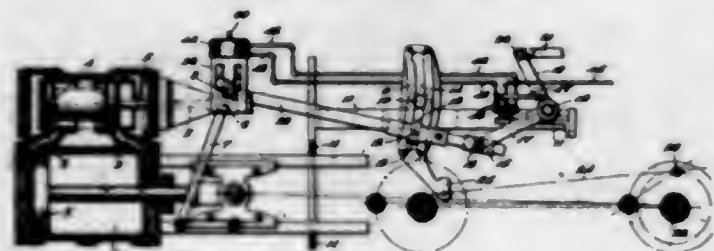
2. A machine of the class described, adapted to slot and trim a predetermined portion of a sole blank simultaneously, comprising an adjustable work support, a

guard adapted to hold the work thereon, a gauge for the edge of a portion of the work, a slotting cutter cooperating with said gauge to cut a slot of predetermined



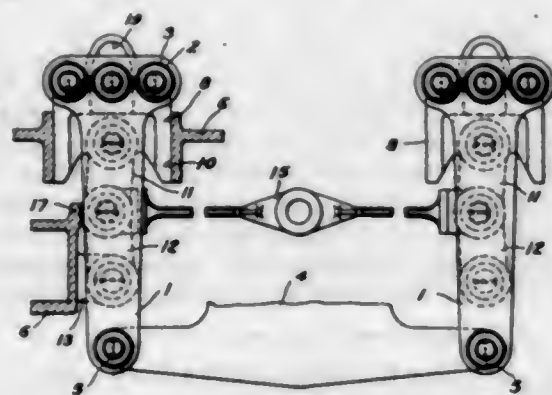
depth along the marginal edge of said work, in combination with edge trimming means adapted to trim a portion of the work at one side of the slotting cutter.

1,515,133. LEAD-CONTROL MECHANISM FOR ENGINES. HENRY K. ADAMS, Nashville, Tenn. Filed May 25, 1920. Serial No. 384,222. 5 Claims. (Cl. 121-162.)



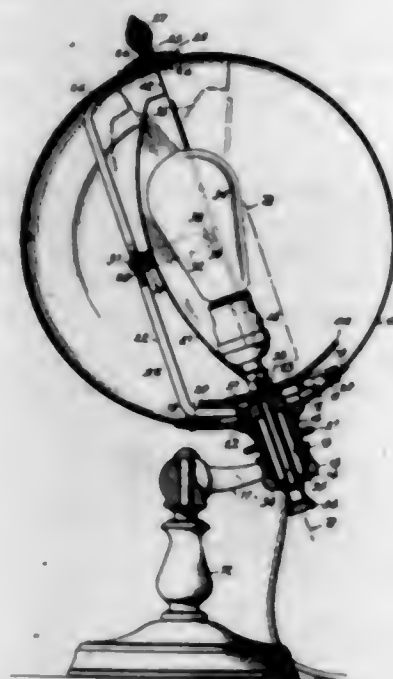
5. In a lead control for Walschaert gears, the combination of an actuating bar having a slot inclined to the axis of said actuating bar; a pivot pin for a valve stem carried by said bar; a block in said slot; a continuous radius bar; a pivot pin for said radius bar carried by said block; a cross head associated with said last named pivot pin; and a power means comprising a cylinder, piston and valve for varying the distance between said last named pin and said first named pin, substantially as described.

1,515,134. TRUCK SWING LINK. FRANK L. ALLEN, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1922. Serial No. 599,521. 14 Claims. (Cl. 105-190.)



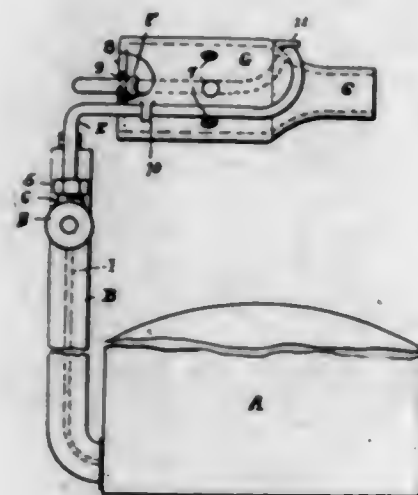
1. A swing mounting comprising a supporting frame, a plurality of swing links, a swing bolster carried by said links and pivotally connected thereto, a movable and a fixed support for said links, and means for engaging the same with the one or the other of said supports.

1,515,135. ILLUMINATED GLOBE. ALEXANDER S. ALEXANDER, New Rochelle, N. Y. Filed June 25, 1924. Serial No. 722,237. 28 Claims. (Cl. 35-5.)



1. In combination, a translucent globe, mountings for the globe to permit it to be revolved on a polar axis, an electric lamp supported inside the globe and a shield inside the globe for producing a shadow on approximately one half the globe.

1,515,136. BURNER FOR TORCHES AND THE LIKE. HARRY J. ANDERSON, Pittsburgh, Pa. Filed May 8, 1923. Serial No. 637,412. 13 Claims. (Cl. 158-33.)

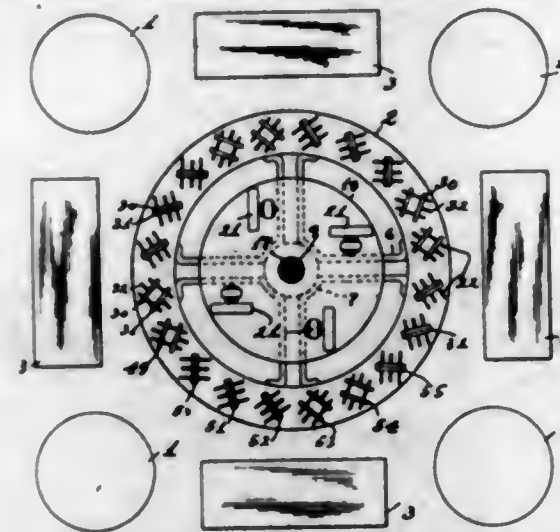


1. In a burner for the purposes described, the combination of a gas tube connected at one end to a supply reservoir, a burner tip connected with the other end of the tube, and the intermediate portion of the tube being bent to form a saddle comprising a pair of parallel legs connected together by a loop, and a nozzle removably mounted in said saddle, the burner tip being positioned at the intake end of the nozzle.

1,515,137. SYSTEM FOR MAKING LEAD CASTINGS. CHESTER M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,430. 6 Claims. (Cl. 22-63.)

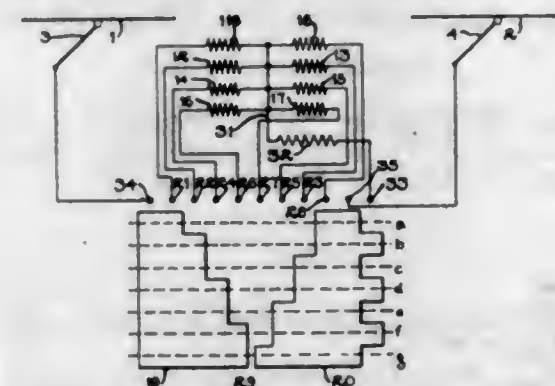
1. In a plant for making castings, a plurality of furnaces, a conveyor moving continuously in a circuit past each of said furnaces, and molds carried on said con-

veyer and adapted to be filled from said furnaces, the speed of the conveyor with relation to the distance between the furnaces being such that there is time for



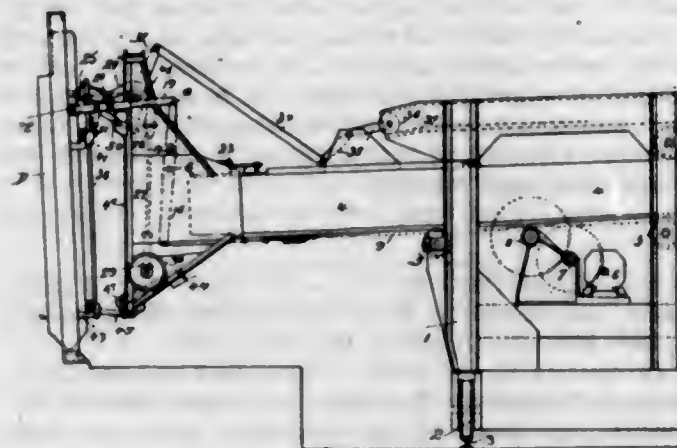
workmen adjacent the conveyor to discharge and recondition each mold while it is passing from one furnace to the next.

1,515,138. CONTROL SYSTEM. LOUIS M. ASPINWALL, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 616,764. 8 Claims. (Cl. 172-179.)



2. A control system comprising a plurality of switches, a plurality of coils cooperating therewith, a resistor, and a single controller for connecting together one terminal of each of said coils and one terminal of said resistor and for connecting said coils in parallel relation to one another or to said resistor.

1,515,139. APPARATUS FOR REMOVING OVEN DOORS. JULIUS BECKER, Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y., a Corporation of New York. Filed Dec. 8, 1921. Serial No. 521,064. 14 Claims. (Cl. 254-84.)



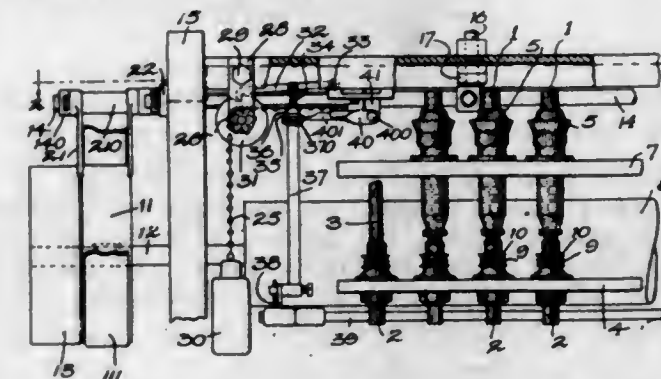
1. In an oven door extractor the combination of a carriage, a reciprocating member mounted thereon, door engaging mechanism carried by said member, means for

tilting the top of the door outward from the door frame and means for applying pressure to the door frame equal to that applied in withdrawing the top of the door from the door frame.

1,515,140. PROCESS FOR THE ELIMINATION OF ALUMINUM AND METALS OF THE IRON GROUP FROM ZINC, ZINC ALLOYS, ETC. KARL BORNE-MANN, Breslau, Germany, assignor of one-half to Erich A. Beck, New York, N. Y.; Martha Bornemann administratrix of said Karl Bornemann, deceased. Filed May 20, 1922. Serial No. 562,470. 12 Claims. (Cl. 75-17.)

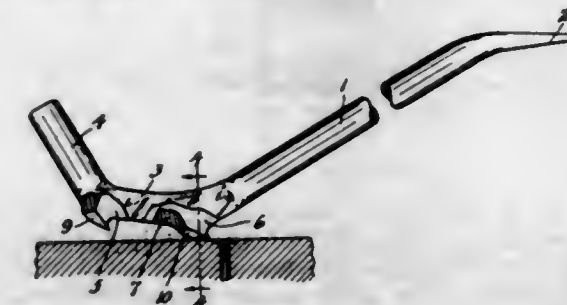
1. The method of recovering metallic zinc from admixture with a metal of the iron group and aluminum, which comprises subjecting the mixture to a temperature of at least 500° C., then cooling to slightly above the melting point of zinc and thereafter separating the bulk of the solid alloy of aluminum with the metal of the iron group and the bulk of the molten zinc from each other.

1,515,141. STOP MOTION FOR SPINNING FRAMES. ROBERT BURGESS, Newton Center, Mass., assignor of one-half to Joseph H. Jones, Winthrop, Mass. Filed Oct. 11, 1923. Serial No. 667,871. 13 Claims. (Cl. 118-5.)



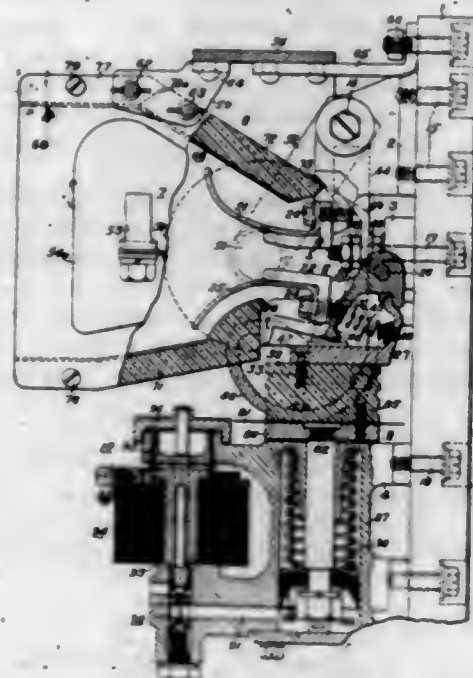
1. A stop-motion for spinning-frames comprising in combination a manually-operable shipper-control device, a belt-shipper, automatic means for actuating the latter to shift the belt into idling position, a detent for restraining the belt-shipper from being so actuated, a knocking-off member which moves in unison with the traverse-rail, and a filling-in member that is interposed by movement of the shipper-control device between the said detent and said knocking-off member and through which the detent is released when the traverse-rail reaches the highest point of its traverse.

1,515,142. HAMMER-ACTION NAIL PULLER AND WRECKING BAR. JOHN BUTLER, Echo, Minn., assignor of one-half to August J. Hinz, Wood Lake, Minn. Filed Apr. 21, 1923. Serial No. 633,739. 7 Claims. (Cl. 254-25.)



1. A bar having one end formed as a hammer head and being bent upward a short distance from said end, said bar having its other end bent upward a short distance from said first mentioned bend to form a handle portion, and a pair of downwardly extending nail-engaging claws formed below each bend in the bar.

1,515,143. CONTROL APPARATUS. ANDREW H. CANDEE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 5, 1919. Serial No. 315,445. 11 Claims. (Cl. 200-147.)



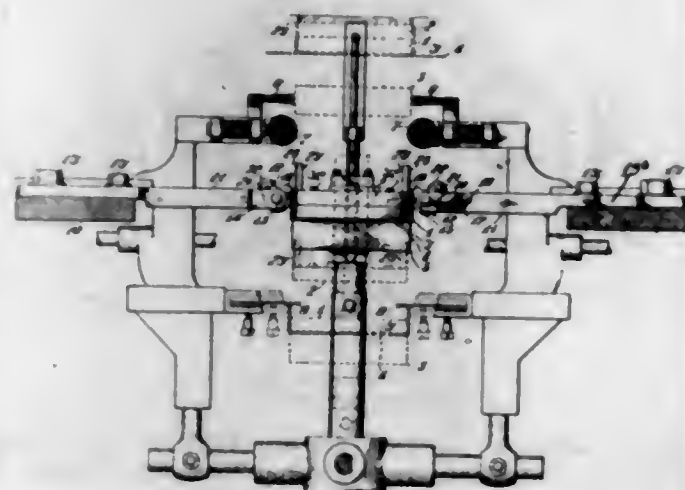
1. In a switching device, the combination with a reciprocatory power element, of an insulating member rigidly secured to one end thereof, a bracket member rigidly secured to said insulating member, and a contact member pivotally mounted on and mechanically interlocking with said bracket member.

1,515,144. WHEEL. JAMES A. CHARTER, Chicago, Ill. Filed Aug. 25, 1922. Serial No. 535,115. 5 Claims. (Cl. 301-63.)



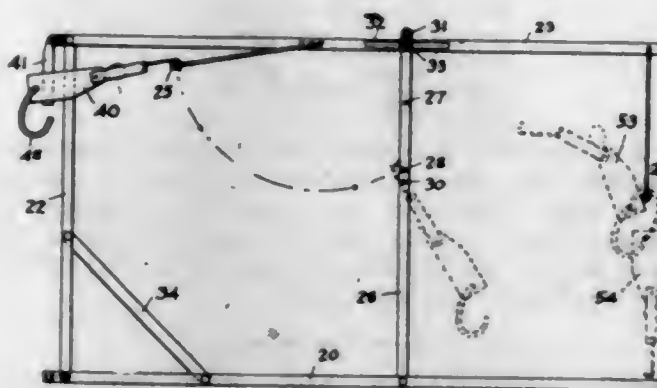
1. A metallic wheel, having two widely spaced side plates and a rim plate, secured thereto, said rim plate being perforated at a point in its circumference to provide a tire air tube passage, there being formed in a portion of one of the plates only adjacent to the rim a depression for the reception of the valve, formed by separating a portion of the side plate from the edge of the separating member and forcing it back to a point behind that where the air tube passes through the rim, and there securing it clear of the other side plate to the rim, for the purposes set forth.

1,515,145. THUMB-HOLING MEANS FOR BOX-COVERING MACHINES. COLEMAN D. CHENEY, Lyndhurst, N. J., assignor to H. Schultz & Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1923. Serial No. 659,740. 16 Claims. (Cl. 93-58.)



1. In a machine of the class specified, the combination with the box carrier, of a die-element carried thereby, a coating die-element carried by the frame of the machine, and means operatively associated with both die members, whereby to effect their co-operation at a predetermined point in the travel of said box carrier.

1,515,146. ACROBATIC TOY. FREDERIC B. CLARK, Englewood, N. J. Filed Feb. 13, 1922. Serial No. 536,020. 13 Claims. (Cl. 46-40.)

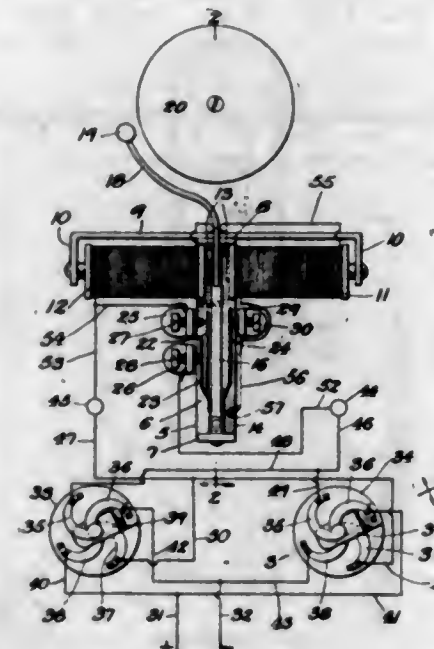


1. In a toy of the character described, a trapeze arranged for manual swinging thereof, means for swingably supporting said trapeze, a mannikin, means on said mannikin removably engaging said trapeze, and means interposed at a point intermediate of the beginning and end of the normal swing of said mannikin for interrupting the swinging of said trapeze for discharging the mannikin from said trapeze.

1,515,147. ELECTRIC SIGNAL DEVICE. JAY WARREN CLARK, New York, N. Y. Filed Apr. 27, 1920. Serial No. 376,941. 8 Claims. (Cl. 177-7.)

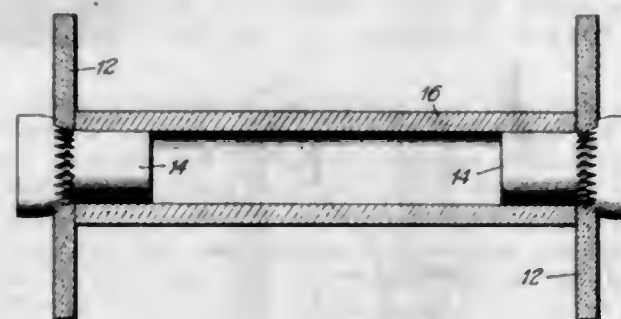
8. An electric signal device of the class described comprising a substantially T-shaped permanent magnet, two electro-magnets mounted in connection with the cross head portion of the permanent magnet and in a common electric circuit, an armature arm pivotally mounted in connection with said permanent magnet and freely disposed between the adjacent ends of the electro-magnets,

means on said armature arm and cooperating therewith and in circuit with said electro-magnets for controlling and regulating the movement imparted to said armature arm.



ture arm, said means involving a plurality of tensional devices on said armature arm, and adjustable contact devices cooperating with said tensional devices.

1,515,148. TEXTILE SPOOL AND BOBBIN. HARRY D. CLINTON, Johnson City, N. Y. Filed Mar. 13, 1924. Serial No. 699,059. 7 Claims. (Cl. 242-118.)

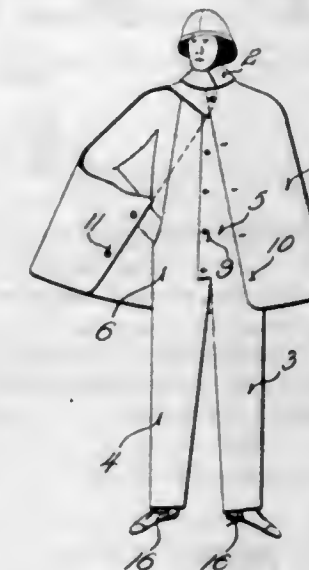


1. In a textile spool or bobbin, a wooden barrel having a hard fibre head, said head having a central opening therein and a series of grooves and intervening ribs or ridges of wedge-shaped form triangular in cross-section surrounding said central opening and enlarging toward that side of the head opposite the side which faces the barrel, and a wooden plug having a tapered body portion forcibly inserted in said opening so as to embed the ribs in the body of the plug and firmly secure the two parts together, said plug being inserted in the end of the barrel and having an adhesive substance applied thereto for securing the plug and attached head to the barrel.

1,515,149. STORM SUIT. ABE LOUIS COHEN, Milwaukee, Wis. Filed Apr. 28, 1924. Serial No. 709,567. 4 Claims. (Cl. 2-87.)

4. A storm suit of waterproof material comprising a cape, a collar portion formed of double ply construction with the neck portion of said cape cemented between the plies to points spaced inwardly from the ends of the neck portion of the cape, a pair of tubular leg members having upwardly extending front, vest like panels

adapted to be secured together, the upper ends of said panels being cemented between the plies of the collar portion and extending to the ends of the collar portion.

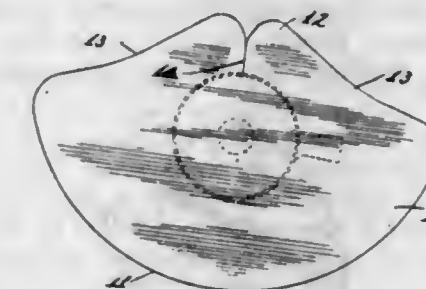


and bar stitching passing through the collar portion, the cape and the upper ends of the panels at the said spaced points of said cape.

1,515,150. PROCESS OF CASTING WITH PLASTIC MATERIALS. LLOYD G. COPEMAN, Flint, Mich. Filed Mar. 14, 1923. Serial No. 625,123. 8 Claims. (Cl. 25-155.)

1. The process of casting plastic materials with a finishing coat, which comprises the lining of the mold with a parting material, the spraying of a wet film of material upon the parting element, said film having the property of adhering to the parting element when dry; the spraying of a second film of a coating material on said first film and allowing the same to set, then introducing a plastic cementitious or concrete material and allowing the whole casting to set and finally removing the mold.

1,515,151. LINER FOR SANITARY SODA HOLDERS. DAVID F. CURTIN, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,446. 16 Claims. (Cl. 229-1.5.)

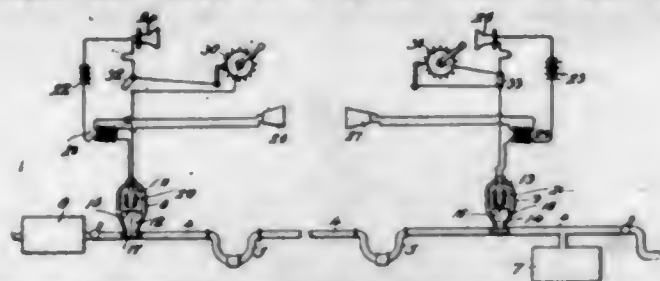


2. A blank for forming a liner for a sanitary soda holder, said blank being adapted to automatically assume a conical shape when pushed into a holder.

1,515,152. COMMUNICATION SYSTEM FOR RAILWAY TRAINS. LEE DE FOREST, Spuyten Duyvil, N. Y., assignor to De Forest Radio Telephone and Telegraph Company, Jersey City, N. J., a Corporation of Delaware. Filed Dec. 10, 1919. Serial No. 343,841. 4 Claims. (Cl. 179-1.)

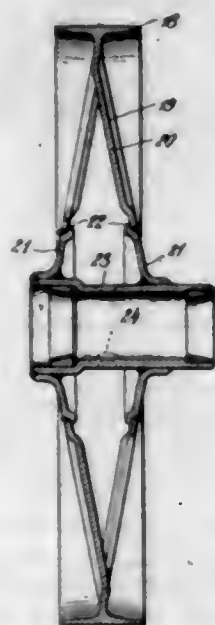
1. In a communication system, a pipe line for a transmitting medium, an elongated chamber in immediate communication with said pipe line, a perforated annular ledge on the walls of said chamber, a diaphragm arranged in and extending transversely across said chamber, electrical devices controlled by and in accordance

with a message to be transmitted for vibrating said diaphragm, and means at a distant point in said pipe



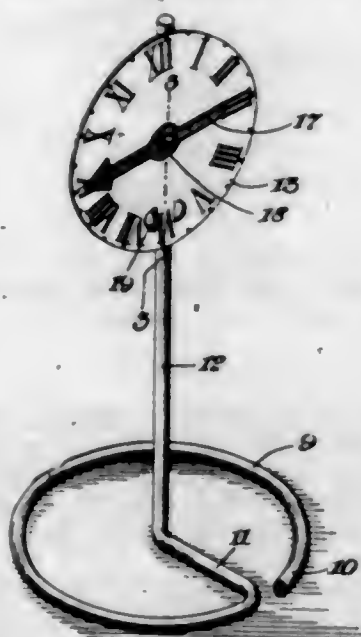
line and controlled by the resulting vibrations or impulses imparted to the air or other medium in the pipe line for reproducing the transmitted message.

1,515,153. WHEEL. FERDINAND C. DITTMAR, San Francisco, Calif., assignor, by means assignments, to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed June 6, 1919. Serial No. 302,238. Renewed Mar. 26, 1924. 4 Claims. (Cl. 301-66.)



1. A wheel constructed of a flanged metal section and comprising a rim and spokes integral therewith, a hub and spaced annular members supported on said hub and arranged to receive and transmit stresses from the spokes and in alignment therewith to the hub.

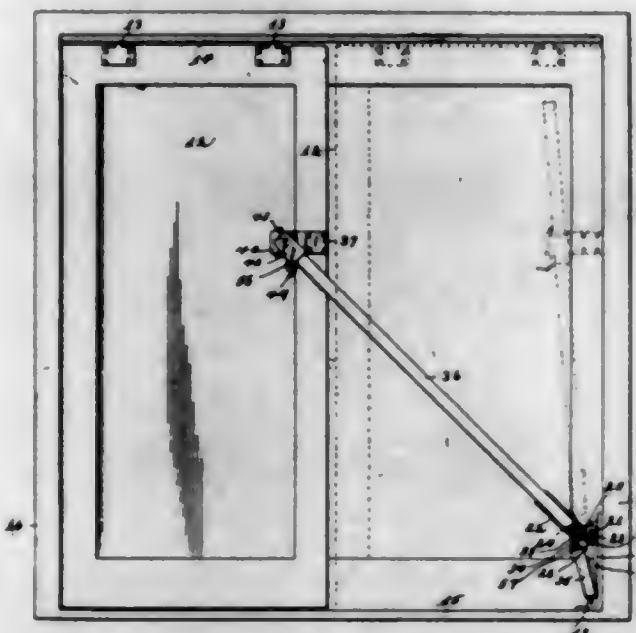
1,515,154. TOY RAILWAY STARTER CLOCK. ALAN R. FRACUSON, Buffalo, N. Y. Filed Sept. 29, 1923. Serial No. 665,559. 17 Claims. (Cl. 116-132.)



8. A toy railway accessory comprising a wire base, a wire upright member carried thereby and formed from a single length of wire and having a laterally projecting

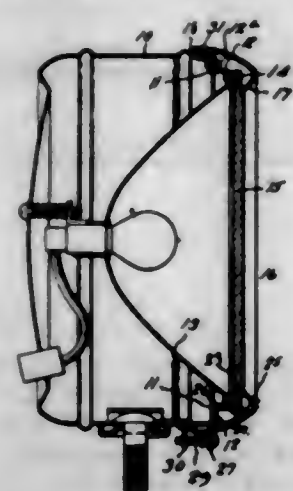
stud drawn from said wire upright member, a clock dial secured to said stud, and a movable pointer hand also secured to said stud in front of said dial.

1,515,155. DOOR CONTROLLER. FRANCIS J. MRAGHER, New York, N. Y. Filed Mar. 13, 1923. Serial No. 624,718. 6 Claims. (Cl. 16-71.)



1. In a device of the character set forth, a bracket adapted to be secured to the buck of a doorframe and having a foot rigid therewith and adapted to be secured to the saddle, and a door-operating lever pivotally mounted on said bracket and adapted for attachment to a sliding door.

1,515,156. AUTOMOBILE LAMP. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 13, 1922. Serial No. 594,233. 3 Claims. (Cl. 240-41.)

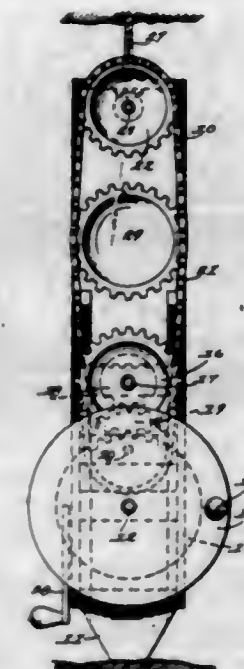


2. In an automobile lamp the combination with a casing having oppositely disposed outwardly projecting lugs, one of which is apertured, of a ring frame adapted to fit over the end of the casing and one of the lugs, a glass within the frame, a strip attached to the ring, its outer end being projected through the ring and apertured, a screw passing through said apertured end and the apertured lug of the casing whereby the ring is secured to the casing.

1,515,157. COAL DRILL. STANISLAW MIKULSKI, Indianapolis, Pa. Filed July 20, 1920. Serial No. 397,633. 1 Claim. (Cl. 255-46.)

In a coal drill of the class described including a casing, the combination of a drill tool with means for manually operating said drill tool, a plate within said casing having longitudinal guide grooves in its faces,

rods in said casing in engagement with said grooves for guiding said plate, stops on the upper ends of said rods, a rack on the rear face of said plate, a gear in mesh with said rack, a manually operated means for



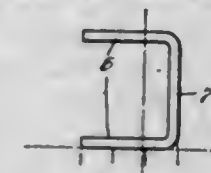
displacing said plate in said casing for allowing an adjustment of the drill between the walls of a mine gang, and a pawl for normally locking said gear and rack in their relative adjusted positions.

1,515,158. INSECT CATCHER. LOUIS C. MILLER, Verona, N. J. Filed Dec. 16, 1922. Serial No. 607,362. 4 Claims. (Cl. 43-135.)



1. An insect catcher comprising two members of approximately equal dimensions and composed of wire mesh; a connecting bar rigidly secured to one of said members and having a handle at its free end; means for hinging one of said members to the other; and a spring controlled manipulator connecting one of the members with the said bar comprising a rod housed within the bar, a thumb-piece pivoted to the rod and also to the bar adjacent the handle, and adapted to be limited in its movement by said handle.

1,515,159. STUDDING. DAVID G. MORRISON, Warren, Ohio, assignor to Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed Nov. 17, 1922. Serial No. 601,492. 6 Claims. (Cl. 72-115.)

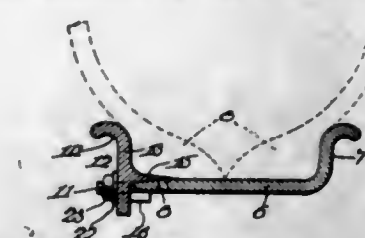


1. A cold pressed metal channel stud, the sides of which are of such depth relative to that of the web that the center of gravity thereof, when lying on its side, falls within the middle third of the side of the channel.

1,515,160. DEMOUNTABLE RIM. CLYDE S. MORSE, De Kalb, Ill., assignor of one-half to Edwin L. Hardy, Waterman, Ill. Filed May 5, 1924. Serial No. 711,013. 1 Claim. (Cl. 301-35.)

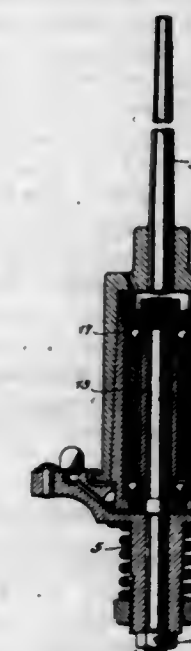
A demountable rim comprising a pair of annular clamping members located side by side in co-incidence with one

another, one of said members having on one of its sides a pair of spaced reinforcing and bracing portions located concentrically with respect to one another and also having between said portions a plurality of spaced openings, the other of said members having a plurality of spaced pro-



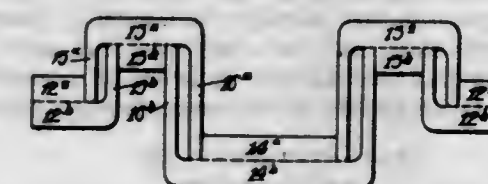
jections arranged in a circumferential row and extended from its edge adjacent the apertured member and through the openings of the latter, and detachable means engaging said projections on the outer surface of the apertured member.

1,515,161. SPINDLE. FREDERICK E. MUELLER, Mount Vernon, N. Y., assignor to Norma-Hoffman Bearings Corporation, Long Island City, N. Y., a Corporation of New York. Filed July 24, 1920. Serial No. 398,779. Renewed Aug. 4, 1922. Serial No. 579,741. 22 Claims. (Cl. 118-66.)



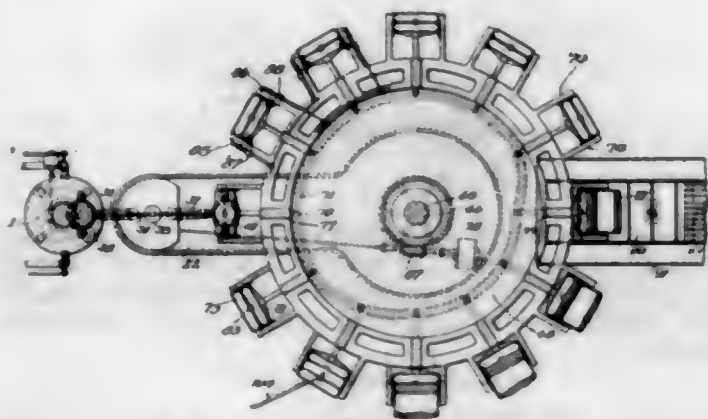
1. In a textile spindle, a fixed base spindle, a sleeve rotatably mounted upon said base spindle and a live spindle having a tubular whorl adapted to be fitted over said sleeve, and the wall of the whorl being longitudinally split to exert a frictional clamping pressure upon the periphery of the sleeve to thereby detachably retain the live spindle in coaxial relation with the base spindle.

1,515,162. SHAFT. THOMAS E. MURRAY and THOMAS E. MURRAY, Jr., New York, N. Y. Filed July 8, 1922. Serial No. 573,558. 8 Claims. (Cl. 74-38.)



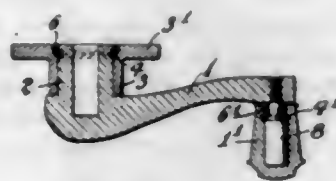
1. A shaft having tubular bearing portions and solid offset portions, said shaft being made of sheet metal pieces welded together, at least one of said pieces including a segment of a tubular bearing portion and a part of an offset portion of the shaft.

1,515,163. PROCESS FOR CASTING METAL. HUBERT A. MYERS, Toledo, Ohio, assignor to The Hubert A. Myers Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 4, 1919. Serial No. 315,054. 8 Claims. (Cl. 22-64.)



1. The process of casting metal to produce die-castings from the same mold, which comprises the maintaining of the casting means at high temperature before and after receiving the first charge of molten metal therein, thereby to prevent sudden chilling and to fast cooling of the molten metal, as well as sudden heating of the mold, cooling the casting without cooling the mold below the temperature necessary for the formation of the next casting, and retaining the mold in heated condition to receive another charge of molten metal therein, discharging each casting while it and the mold are still in highly heated condition, thus maintaining the mold continuously at high temperature while alternately empty and full, in which porcelain at high temperature is employed as the casting means in direct contact with the metal to produce a casting having a smooth surface, the porcelain at said high temperature producing this effect and allowing the metal to separate readily therefrom without sticking thereto.

1,515,164. ROTATABLE HANDLE CONSTRUCTION. HARRY E. NORWOOD, New York, N. Y., assignor to Perfect Window Regulator Company, New York, N. Y., a Corporation of Maine. Filed July 13, 1920. Serial No. 395,910. 6 Claims. (Cl. 292-356.)

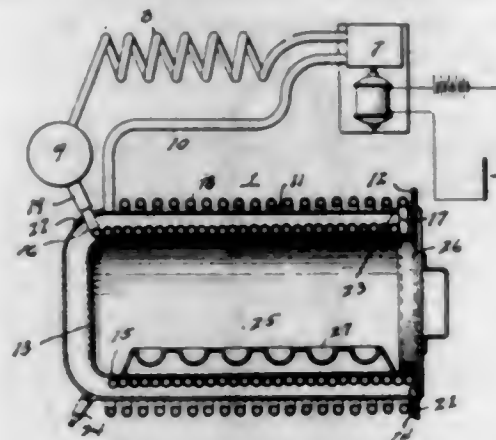


1. Means for holding a rotatable handle to its bearing or support while permitting free rotation thereof, comprising an interlocking ring of malleable metal engaged with a shoulder on one member and with a groove opposite said shoulder on the other member, said interlocking ring being held against rotation by inter-engagement with a nick or offset in the non-rotating member.

1,515,165. REFRIGERATING APPARATUS. EARL P. OSWALD, Detroit, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Aug. 21, 1920. Serial No. 405,009. 5 Claims. (Cl. 62-95.)

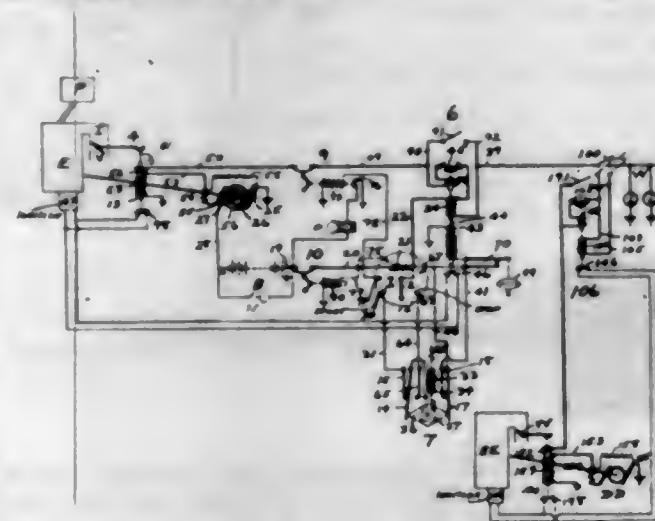
1. A cooling coil for artificial refrigerating systems comprising a double walled receptacle providing a central

insulated chamber, said central chamber having a closable opening, a coil about the outer surface of the receptacle,



and a coil between the inner and outer walls of the receptacle in series with the outer coil.

1,515,166. ELECTRICAL SYSTEM. HARVEY S. PARDEE, Chicago, Ill. Filed Apr. 20, 1916. Serial No. 92,421. 14 Claims. (Cl. 290-30.)

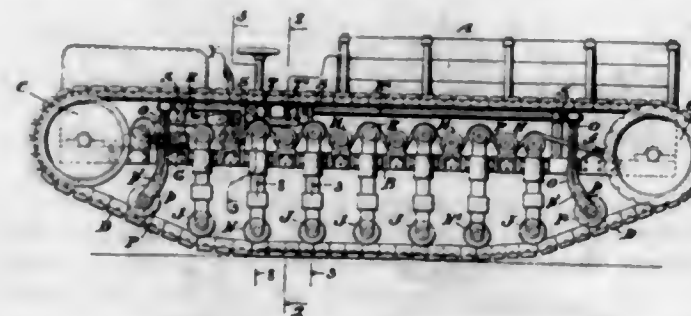


1. An electrical system combining a battery, a work circuit therefor, a dynamo for charging the battery, an engine for driving the dynamo, means for starting the engine when the battery is sufficiently discharged, means for starting the engine when the load in the work circuit exceeds a predetermined minimum, and means for stopping the engine when the current in the work circuit is below a predetermined minimum and concurrently the battery is sufficiently charged, said means for starting the engine upon battery discharge and said engine stopping means including a relay comprising a solenoid actuated spacing block actuated in one direction.

9. An electrical system combining a work circuit, a battery, a plurality of units each comprising an engine coupled to a dynamo, a pump driven by one of the units, means for starting said unit to charge the battery, operate the pump and supply the work circuit when the pressure of fluid delivered by the pump attains a predetermined value, or when the work current attains a predetermined value, and means for starting another unit when the work current attains another predetermined value.

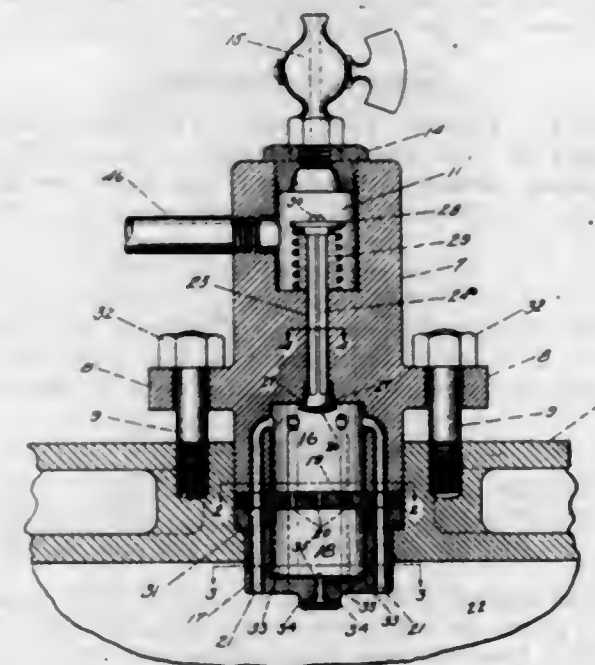
12. An electrical system combining a dynamo provided with a shunt field and a series field opposing the shunt field when the dynamo is acting as a generator, but aiding the shunt field when the dynamo is acting as a motor, a regulator for the dynamo acting to weaken the shunt field upon increase of voltage and to short-circuit the series field of the dynamo when the dynamo is acting as a generator.

1,515,167. ENDLESS-TRACK VEHICLE. OSCAR STYLES PENN, London, England, assignor to Roadless Traction, Limited, London, England, a Corporation of Great Britain and Ireland. Filed Apr. 17, 1923. Serial No. 632,619. 17 Claims. (Cl. 180-9.1.)



1. An endless track vehicle equipped with track supporting wheels and laterally flexible tracks and provided with means directly engaging the lower runs only of the tracks for positively bending the tracks laterally.

1,515,168. FUEL VALVE FOR INTERNAL-COMBUSTION ENGINES. HENRY POKORNEY, Rome, N. Y. Filed Jan. 7, 1922. Serial No. 527,789. 1 Claim. (Cl. 123-33.)

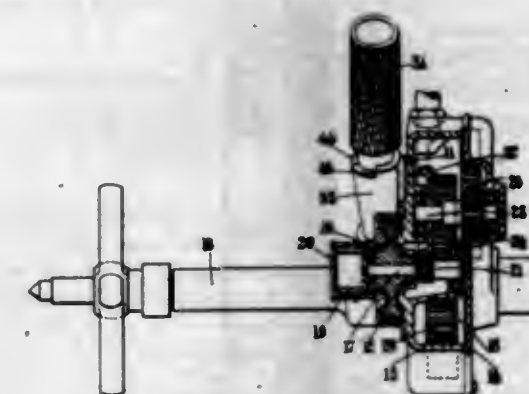


The combination with an internal combustion engine cylinder having a hole in the head thereof, a counterbore in said hole to form a shoulder; of a lower casing adapted to fit said hole, perforations in the bottom and side walls of said lower casing and vertical conduits in said side walls; a flange on said lower casing adapted to engage said shoulder; an upper casing with vertical conduits in the side walls thereof which match said vertical conduits in said lower casing, the same being formed to open into the upper region of the chamber formed by said upper casing; means for clamping both of said casings in said hole against said shoulder; and a perforated diaphragm interposed between said casings, said diaphragm being provided with additional holes to match the said vertical conduits.

1,515,169. PORTABLE ROTARY TOOL. ARTHUR MILNES POOLEY, Bedford, England. Filed Nov. 25, 1922. Serial No. 603,372. 14 Claims. (Cl. 253-2.)

4. A portable rotary tool structure comprising a plate member, a turbine disc mounted on one side of said member with its axis at right angles thereto, nozzles for driving fluid arranged radially outside said disc and formed by recesses in a face carried by the plate member, a

combined valve and handle member controlling the admission of fluid to said nozzles in sequence and serving for the support and guidance of the structure, spur



reduction gearing mounted on the other side of said plate member and driven by the turbine and a tool holder driven by said gearing.

1,515,170. CARD GAME. ROBERT W. REECE, Pontiac, Mich., assignor to Eva M. Reece, Pontiac, Mich. Filed Nov. 2, 1921. Serial No. 512,169. 4 Claims. (Cl. 46-25.)

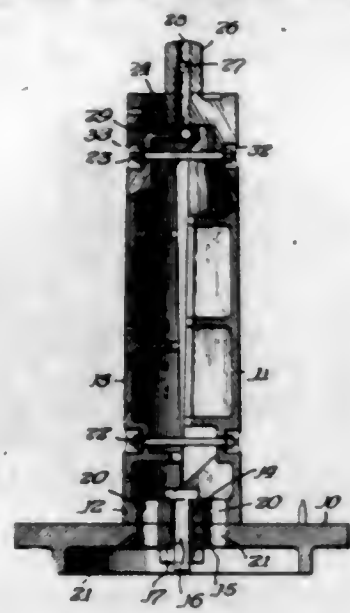
ASSETS	CONDITIONAL ASSETS
TAX No. 1000 of 1000 1000	MISCELLANEOUS ASSETS SAVINGS ACCOUNT 400 POSTAL SAVINGS 250 COMMERCIAL ACCT 350 1000
ACCIDENT INSURANCE DRAW FROM BANK 1000 1000	STOCK U.S. RUBBER 1500 PAY BANK 500 2000
JUDGMENT IN COURT IN 1921-1922 PAY BANK 1000 1000	MORTGAGE VALUED AT 15000 DRAW FROM BANK 500 22 INTEREST 100 15100
BIRTHDAY PAY BANK 100 DRAW FROM BANK 500 600	HOUSE VALUED AT 10,000 PAY BANK 300 COLLECT FROM RENTED 400 10700

1. In a card game, a class of cards representing assets by wording and figures directing the holder to draw from a specified place which constitutes the bank, a second class of cards representing liabilities by wording and figures requiring the holder to pay to said bank, and a third class of cards representing by words and figures conditional assets which become real assets only in case in the final outcome of the game the total of these conditional assets is greater than that of any other player and thereby entitles the holder to take the bank.

1,515,171. CORE BARREL. PATRICK M. REILLY, South Chicago, Ill. Filed Nov. 22, 1922. Serial No. 602,517. 5 Claims. (Cl. 22-173.)

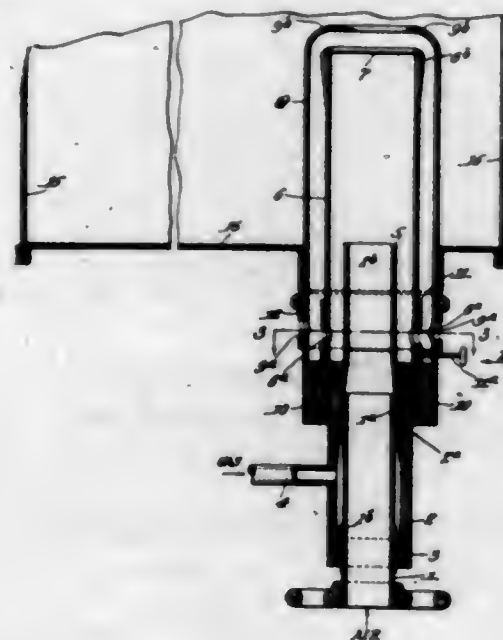
1. In combination, a core barrel comprising a main stave having an integrally formed enlarged projecting bottom portion, a second stave seated upon the projecting

bottom portion of the main stave, bolts extending through each of said staves limiting their outward movement and



wedges adapted to be inserted between the said staves whereby the staves are forced outward from each other to the limit fixed by the said bolts.

1,515,172. GAS BURNER. THOMAS A. ROSTROM, Chicago, Ill. Filed Oct. 18, 1920. Serial No. 417,538. 2 Claims. (Cl. 152-99.)

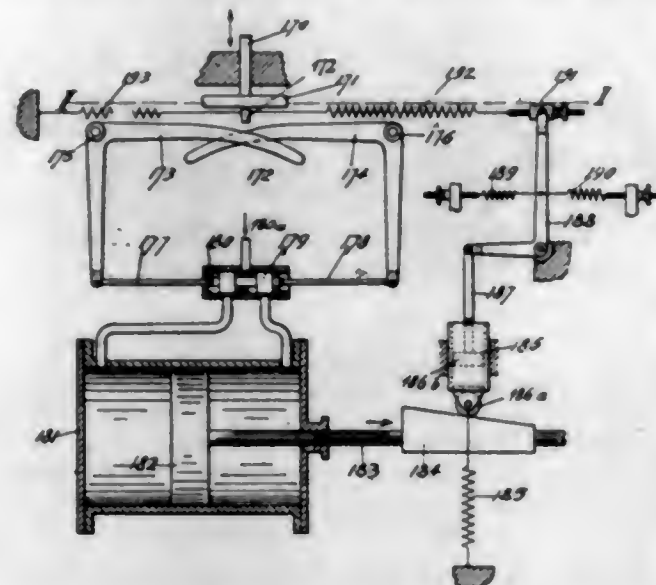


1. A gas burner comprising in combination, a primary air supply pipe centrally positioned; a pipe for supplying gas under pressure, having an annular discharge encompassing the discharge end of the primary air supply pipe, whereby the primary air supply is entrained by the gas discharged under pressure, a mixing chamber beyond the discharge end of the primary air and gas supply passages; a secondary air pipe and an outer pipe having each restricted air inlets at their lower parts, the outer pipe extending down and being closed as to air access, below the air inlet of the secondary pipe, whereby the air supply for the secondary pipe is derived through the air inlets of the outer pipe, said outer pipe inlets being in excess of the air inlets of the secondary pipe.

1,515,173. AUTOMATIC REGULATOR. ERICH ROUCKA, Blansko, Czechoslovakia. Filed Jan. 2, 1923. Serial No. 610,384. 18 Claims. (Cl. 137-139.)

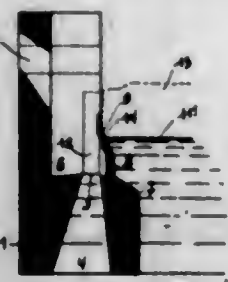
1. In a system of the character described, the combination with a device to be actuated by auxiliary energy in accordance with variations in a controlling system, of

a member movable in accordance with said variations, periodically movable means, and governing means for controlling the application of auxiliary energy to said device, said governing means being periodically actuated



by cooperation of said periodically movable means and said movable member to cause the continuous application of said auxiliary energy to said device quantitatively in accordance with the variations in said controlling system.

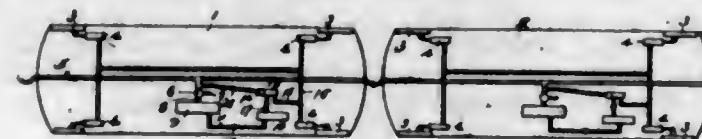
1,515,174. MEANS FOR THE MANUFACTURE OF GLASS IN CONTINUOUS SHEETS. EUGENE ROWART, Anvelais, Belgium. Filed Apr. 26, 1922. Serial No. 556,721. 6 Claims. (Cl. 49-17.)



1. The process of drawing a glass sheet from a mass of molten glass, the said process consisting in lifting vertically first from the said mass two narrow strips of glass from a point below the level of the mass of molten glass, the said strips being lifted at a distance from each other corresponding to the width of the glass sheet which is to be produced, then lifting the sheet of glass from the mass of molten glass between the said strips, whereby the said strips become united with the glass sheet and finally lifting simultaneously the sheet and strips.

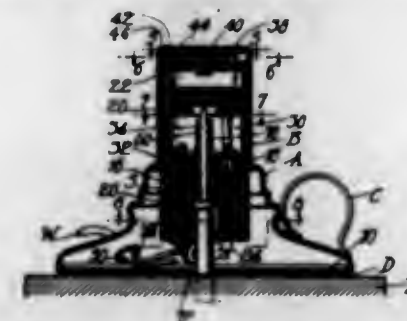
6. In apparatus for the drawing of glass in continuous sheets, the combination with a glass container, of two refractory pieces arranged at a distance from each other corresponding to the width of a sheet of glass which is to be produced, a hollow space in each of the said pieces, the said hollow space being open in one face of the piece, a passage in the bottom of each piece, the said passage ending by a drawing hole in the said bottom, a lip in the front face of each piece, the said lip being inclined and gradually thinner towards the hollow space and provided with a groove, the bottom of which is at a level above the bottom of the hollow space of the piece, means for immersing the said pieces into a mass of molten glass in the container, whereby two narrow strips of glass may be lifted from the bottom of the hollow space of the refractory pieces before the molten glass in the container has reached the bottom of the groove in the inclined lip, the said strips uniting with the sheet of glass lifted from the mass of molten glass, between the said inclined lips.

1,515,175. DOOR-OPERATING MECHANISM. HAROLD ROWNTREE, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Jan. 22, 1923. Serial No. 614,121. 20 Claims. (Cl. 303-6.)



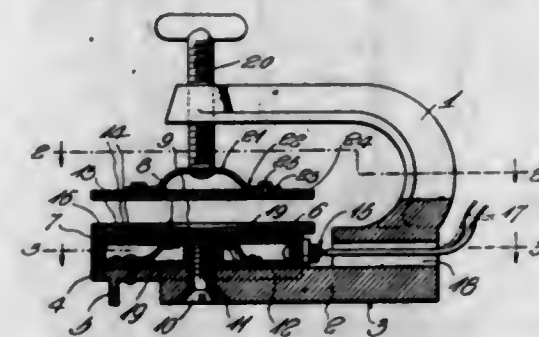
1. In a car door control system, and in combination with a brake line and a fluid pressure actuated door motor, of means controlled by variations of the pressure in the brake line for controlling said motor.

1,515,176. AUTOMATIC ELECTRIC CIGAR LIGHTER. SOLOMON D. SACKS, New York, N. Y. Filed Mar. 24, 1924. Serial No. 701,833. 6 Claims. (Cl. 219-32.)



1. A device of the type described which comprises a resistance heating element, a holder stand for said element a contact connected in series with said heating element, means for separating said contact to break the circuit to said heating element, resilient means normally pressing said separating means out of separating position and permitting said separating means to move to separating position as said holder stand is set on its base.

1,515,177. VULCANIZER. JAMES T. SEELYE and LUTHER R. JACKSON, Pueblo, Colo. Filed Feb. 5, 1923. Serial No. 617,079. 4 Claims. (Cl. 18-18.)

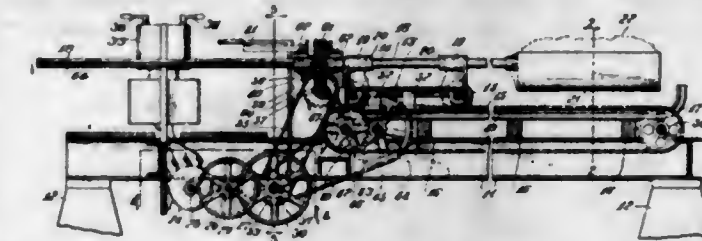


1. A vulcanizer comprising a plate and means for clamping the work against the same, a heating element movable toward said plate, and thermostatic means carrying said heating element and active under a predetermined degree of heat to move said element away from said plate.

1,515,178. CHARGING APPARATUS. JOHN M. SELLERS, Downers Grove, Ill., assignor to Sellers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 24, 1922. Serial No. 556,288. 7 Claims. (Cl. 214-31.)

1. In apparatus for charging materials into a furnace, the combination of a charging receptacle, means for moving the same into and out of the furnace orifice, means for rotating the receptacle in the furnace to

dump its charge, and controlling mechanism associated with said means for moving the said receptacle into and out of the furnace orifice and with said mechanism



for imparting rotary movement to said receptacle whereby said translatable and rotary movements of the receptacle are each of them interrupted before the other of said movements is initiated.

1,515,179. NUT LOCK. JAMES WILSON SMITH and JOHN WILLIAM CARSON, Pictou, Nova Scotia, Canada. Filed Mar. 10, 1923. Serial No. 625,536. 1 Claim. (Cl. 151-53.)



In a nut lock, a circular washer having a bevelled edge, an oval hole and a wall at each side inclined inwardly to the centre of the bolt hole and forming from the ends of the incline an inwardly extending circular passage for the bolt, said wall being bevelled at the inner ends on either side and having weakening slots at finish of the bevels.

1,515,180. SPECTACLE CASE. SAMUEL J. TAYLOR, New York, N. Y. Filed June 8, 1922. Serial No. 566,703. 2 Claims. (Cl. 24-3.)

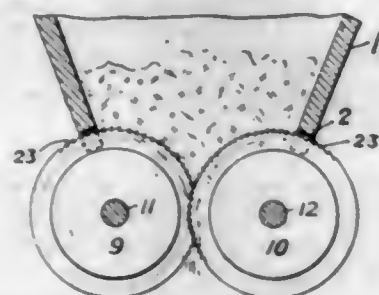


1. The combination of a case, an attaching plate provided with slots extending longitudinally thereof, attaching members extending through the slots of the plate and through the wall of the case to attach the plate to the case and permit of longitudinal adjustment of the plate on the case to compensate for garment pockets of different depths, a lever pivoted intermediate its ends to the attaching plate, one arm of the lever constituting a gripping jaw and the other arm of the lever constituting a finger piece and a spring for normally forcing the gripping jaw in the direction of the case.

1,515,181. SPREADING OR SOWING MACHINE FOR VEGETATIVE PLANTING. HOWARD C. TOOMEY, Philadelphia, Pa. Filed Oct. 22, 1923. Serial No. 669,988. 10 Claims. (Cl. 221-118.)

1. A spreading and sowing machine for vegetative planting comprising in combination a hopper having an opening at the bottom and adapted to contain masses

of stolons or joints or cut pieces, opposed rows of teeth arranged at the opening in the bottom of the hopper in overlapping and spaced relation and adapted by their movement to detach stolons, joints or cut pieces from the mass and to feed the same uniformly from the machine, and means for moving the teeth.



9. A spreading and sowing machine for vegetative planting comprising in combination a hopper, a pair of turnable spaced roll surfaces of which the right constitutes the bottom of the hopper, spaced rows of teeth provided on said roll surfaces, and means for reciprocating said roll surfaces.

1,515,182. PROCESS FOR FIBER TREATMENT AND PRODUCTS SUITABLE THEREFOR. SAMUEL A. TURNER, Brooklyn, N. Y., assignor to Pathé Chemical Company, Brooklyn, N. Y., a Corporation of Delaware. Filed Apr. 25, 1923. Serial No. 634,606. 22 Claims. (Cl. 167-9.)

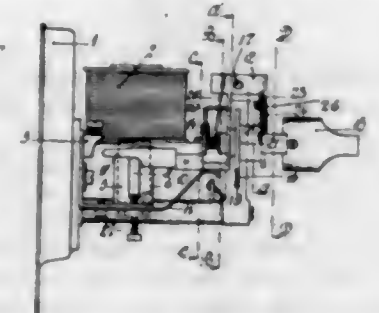
1. In a process for the production of moth-resistant compounds, the step which comprises heating a solution of a salt of naphthalene sulphonic acid, a sulphate and a fluoride.

8. In a process for the production of moth-resistant compounds, the step which comprises dissolving zinc sulphate and aluminium fluoride in a solution of the zinc salt of naphthalene mono-sulphonic acid.

9. The product producible by treating a solution of a salt of naphthalene sulphonic acid with a sulphate and a fluoride and drying the result, which product is soluble in water and imparts moth-resistant properties to wool fibers.

16. The process of rendering fibers mothproof which comprises treating the fiber with formic acid and then with a solution of the product produced by treating a solution of a salt of a naphthalene sulphonic acid with a sulphate and a metallic fluoride.

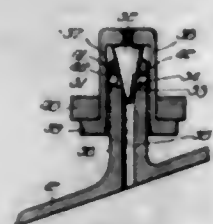
1,515,183. CIRCUIT BREAKER. PIETER GERRET VAN WIJK, Geldermalsen, Netherlands. Filed Oct. 17, 1922. Serial No. 595,042. 1 Claim. (Cl. 200-89.)



In a circuit breaker of the character described, the combination with a cut out member having a knob and a hingeable locking member, of a magnetic control for said locking member a spring for normally holding said cut out member in cut out position a fixed shaft upon which said knob and cut out member are rotatably mounted, said knob and cut out member being capable of rotation in both directions within certain limits and relatively of each other, a resilient carrier carried by the cut out member and adapted to cause the operation of the latter to closed position, means for freeing the knob from

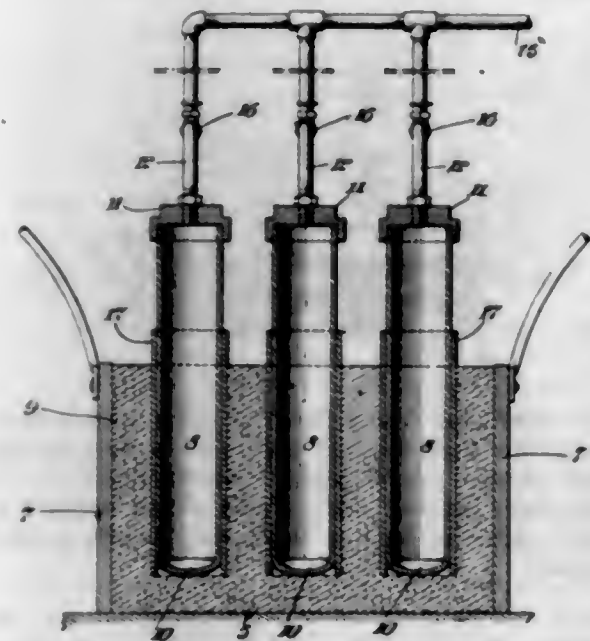
the cut out member during continued rotation of the knob in both directions means carried by said knob and disposed in the path of the said locking member for lifting the latter at a point in the operation of the knob to release the cut out member, a contact member co-operating with said cut out member to make or break a circuit, a cam carried by said knob and movable against said contact member to hold the latter in retracted position while the cut out member is being returned to closed position against the action of its spring.

1,515,184. PRESSURE-CONTROLLING MECHANISM FOR PRESSURE COOKERS. JACOB E. WAGGONER, Chicago, Ill. Original application filed Mar. 20, 1918, Serial No. 223,556. Divided and this application filed Apr. 15, 1920. Serial No. 374,053. 8 Claims. (Cl. 137-53.)



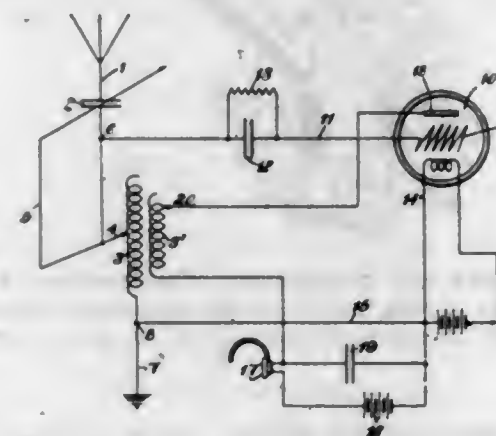
1. Pressure controlling mechanism for a pressure cooker having a cover and including a valve mounted on said cover and comprising a tubular member, the opening through which is enlarged at one of its ends to form a valve seat and a guide seat, a movable valve member resting upon said seats, and an annular platform surrounding said tubular member and suspended from said movable member, said platform adapted to receive one or more weights.

1,515,185. REDUCTION FURNACE. LEONARD WALDO, Plainfield, N. J. Filed May 31, 1923. Serial No. 642,421. 10 Claims. (Cl. 263-41.)



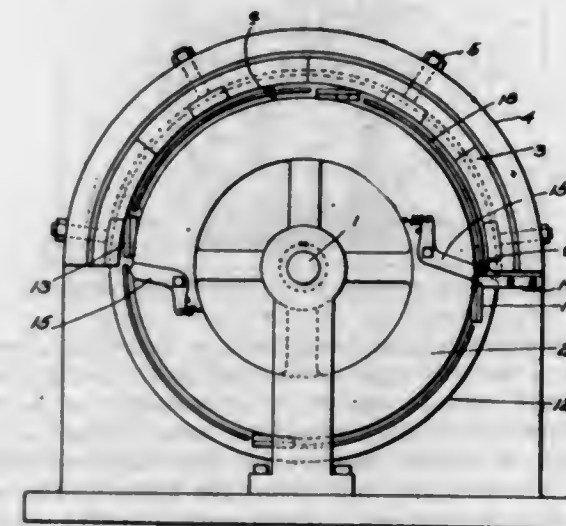
1. In a reduction furnace, a vacuum retort comprising a seamless integral structure of dense, homogeneous nickel of substantial thickness, said structure being stable and non-porous at temperatures upwards of 1000° C., air-exhausting means, and operative connection between said means and the interior of the retort.

1,515,186. APERIODIC RECEIVER SYSTEM. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1920. Serial No. 386,323. 15 Claims. (Cl. 250-20.)



2. In combination, a regenerative amplifying system having coupled inductors, an antenna circuit including one of said inductors, a condensive tuning reactor included in said antenna circuit, and single operating means for varying said last mentioned inductor and said tuning reactor.

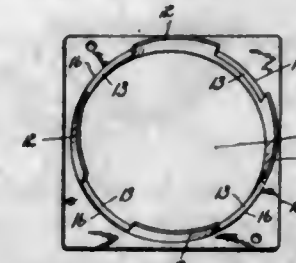
1,515,187. APPARATUS FOR POINTING BOLTS. JAMES CRAIG, Butler, Pa. Filed Nov. 24, 1922. Serial No. 602,959. 8 Claims. (Cl. 10-21.)



1. In a machine for shaping the ends of spindle-formed articles, the combination of two cylindrical surfaces of concentric curvature spaced apart and movable in the direction of their parallelism, one relatively to the other, a cutter arranged opposite the slot formed by and between such surfaces, movable longitudinally of said slot, fixed in its positions transversely of the slot, and having a cutting edge extending when the parts are assembled longitudinally with respect to the slot and also longitudinally with respect to the axis of the said cylindrical surfaces, means for imparting to the said cylindrical surfaces relative rotation and means for imparting to said cutter rotation on common axis with the said cylindrical surfaces and at intermediate speed.

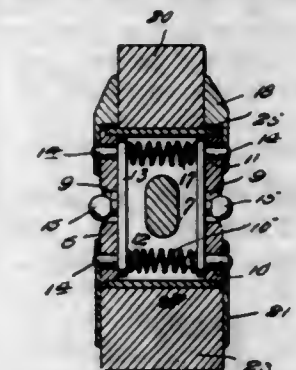
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1,515,188. PIE-PLATE HOLDER FOR BAKING OVENS. EMERICK BREWSTER CRAWFORD, New Haven, Conn., assignor to The Oven Equipment & Mfg. Co., New Haven, Conn., a Corporation. Filed Mar. 19, 1924. Serial No. 700,259. 5 Claims. (Cl. 107-7.)



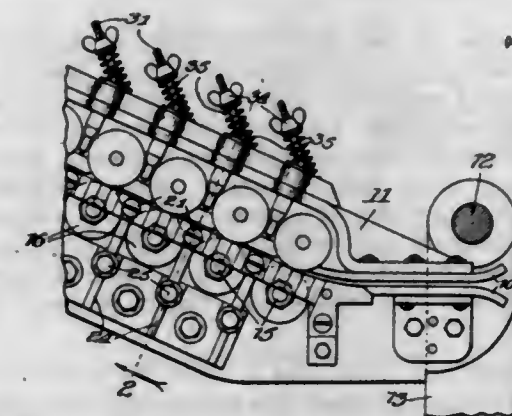
1. A pie-plate holder for baking ovens, having a heat-opening and upstanding supports for supporting a pie-plate thereover at points apart from its bottom, the said supports being separated by clearance openings for the hand-placement of pie-plates upon and removal from the said supports.

1,515,189. MALLET. GEORGE F. CULLEN, Trall, British Columbia, Canada. Filed Dec. 4, 1923. Serial No. 678,494. 4 Claims. (Cl. 145-36.)



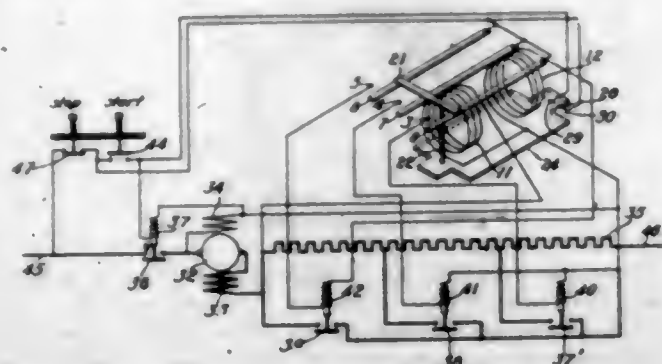
4. A hammer head comprising a body having impact receiving members upon the ends thereof, said impact receiving members including yielding tips, and spring pressed catches mounted within the body and engageable with the impact receiving members for detachably retaining the latter upon the ends of the body.

1,515,190. EXPANDED-METAL MACHINE. LEWIS E. CURTIS and JOHN MANOFKY, Warren, Ohio, assignors to Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Original application filed Dec. 8, 1922, Serial No. 605,734. Patent No. 1,493,956, dated May 13, 1924. Divided and this application filed Dec. 13, 1923. Serial No. 680,456. 4 Claims. (Cl. 164-6.6.)



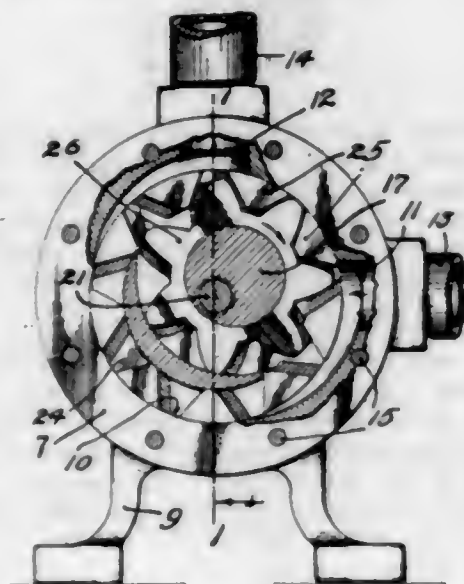
1. In a metal expanding machine, an expander-arm having a series of lower feed rolls and spacer members between said feed rolls, said spacer members being formed of adjacently positioned plates, alternately higher and lower in elevation, whereby a grooved bed is formed.

1,515,191. MOTOR-CONTROL SYSTEM. RAY E. DE CAMP, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 3, 1919. Serial No. 335,400. 5 Claims. (Cl. 172-258.)



1. In a motor-control system, the combination with an electric motor, a line switch for controlling the circuit of said motor and an accelerating switch for said motor, of means for controlling the operation of said switches in accordance with the difference in potential across a portion of the motor circuit, said means comprising a relay having one position rendering possible the operation of said line switch and preventing the operation of said accelerating switch and a second position rendering possible the operation of said accelerating switch.

1,515,192. ROTARY PUMP. LAURITS DISEN, Minneapolis, Minn. Filed June 23, 1922. Serial No. 570,422. 6 Claims. (Cl. 103-126.)

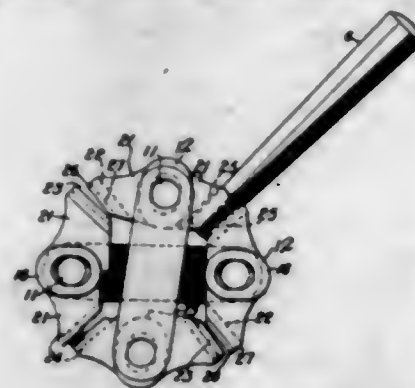


1. A device of the kind described comprising a cylindrical casing having circumferentially spaced intake and discharge ports, an internal toothed piston-acting member concentrically rotatable within said casing, and a piston-acting pinion eccentrically mounted within and intermeshing with said internal toothed member, the latter having interdental spaces that open through the periphery thereof and extend obliquely to planes that radiate from its axis of rotation, so that its teeth cut obliquely across the intake and discharge ports of said casing.

1,515,193. INSULATOR CONNECTER. GEORGE M. EATON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 13, 1919. Serial No. 323,594. 9 Claims. (Cl. 173-366.)

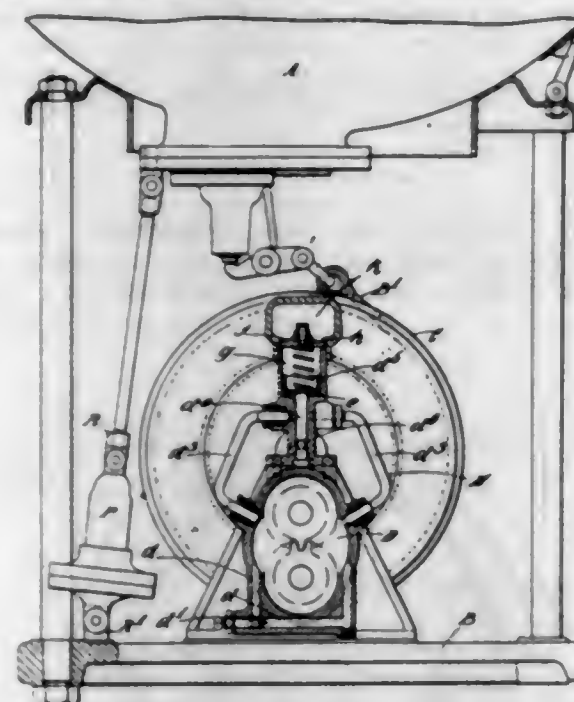
1. A connector for a series-string suspension insulator comprising two relatively flat crossed members disposed in proximate parallel planes transversely to the

longitudinal axis of the insulator to permit the units of the latter to be placed close to each other, said members having offset co-operating tongue-and-groove connecting portions and co-operating offset portions for the reception of a wedge, and a wedge extending diagonally of the crossed members in said wedge-receiving portions.



necting portions and co-operating offset portions for the reception of a wedge, and a wedge extending diagonally of the crossed members in said wedge-receiving portions.

1,515,194. SUBMARINE MINE. GIOVANNI EMANUELE ELIA, Westminster, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed Feb. 2, 1924. Serial No. 690,217. 5 Claims. (Cl. 102-3.)

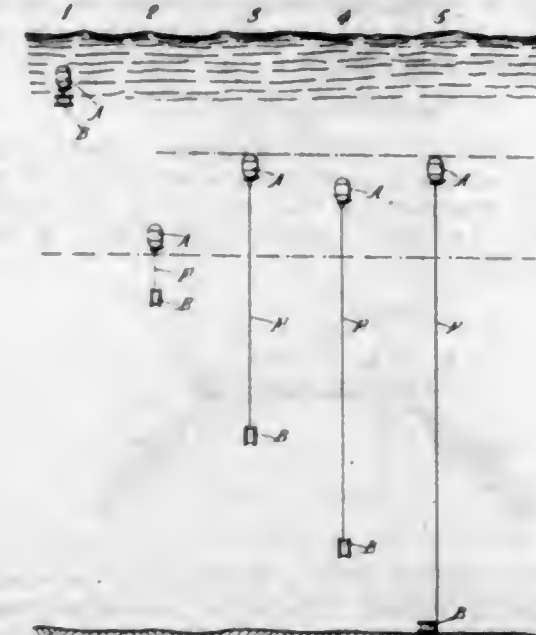


1. A submarine mine comprising a flotation chamber, a sinker, a mooring rope connecting said flotation chamber to said sinker, means for releasing the flotation chamber from the sinker when the mine reaches a depth above that at which rupture of the flotation chamber is liable to take place, and means for allowing the mooring cable to unwind at a speed corresponding substantially to that at which the sinker descends to the sea bed, whereby the flotation chamber remains substantially stationary at the said depth until the sinker reaches the sea bed.

1,515,195. SUBMARINE MINE. GIOVANNI EMANUELE ELIA, Westminster, London, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed Feb. 2, 1924. Serial No. 690,218. 8 Claims. (Cl. 102-3.)

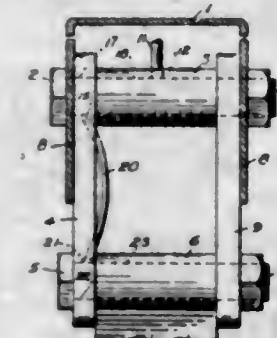
1. A submarine mine comprising a flotation chamber, a sinker, a mooring cable connecting said flotation chamber to said sinker, means permitting said mooring cable to unwind and said sinker to separate from said flotation chamber until it reaches the sea bed, and means for maintaining the flotation chamber at substantially a predetermined depth below the surface until the sinker reaches the sea bed.

7. A submarine mine comprising a flotation chamber, a sinker, a drum within said sinker, a mooring cable upon said drum, said mooring cable connecting said flotation chamber to said sinker, electrical conductors within said mooring cable, terminals at one end of said



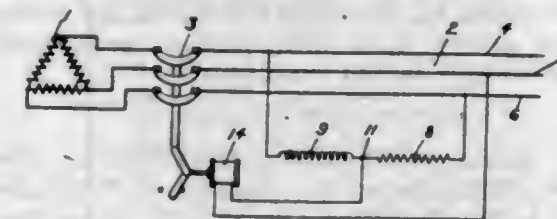
electrical conductors, hydrostatically controlled means adapted to bridge said terminals, a releasing device for said mooring cable drum, and a source of supply of electric current, in circuit with said releasing device and said conductors for the purpose specified.

1,515,196. LUBRICATING DEVICE. PALEMON H. GASKINS, Jacksonville, Fla. Filed Nov. 21, 1923. Serial No. 676,145. 7 Claims. (Cl. 287-54.)



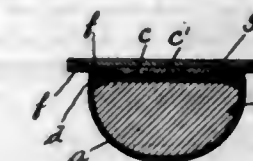
1. In a lubricating device for the shackle connections of a vehicle spring suspension, the combination of a source of lubricant supply; an upper shackle bolt; a lower shackle bolt; direct connection between said supply and the bearing surface of one of said bolts; and direct connections for leading the used oil from the bearing surface of said last named bolt to the bearing surface of said other bolt.

1,515,197. ELECTRICAL PROTECTIVE DEVICE. ADOLPH A. GAZDA, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1917. Serial No. 206,930. 10 Claims. (Cl. 175-294.)



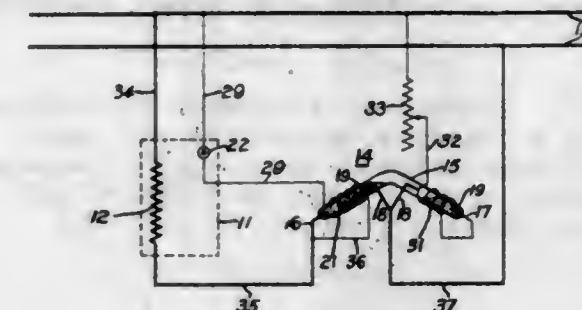
1. A protective device for a polyphase circuit comprising a reactor and a resistor connected across one phase of the circuit and an electro-responsive device connected between another phase of the circuit and the mid-point between the resistor and the reactor.

1,515,198. SHOE. FRANK S. GORMAN, Haverhill, Mass. Filed Oct. 3, 1922. Serial No. 592,056. 4 Claims. (Cl. 36-17.)



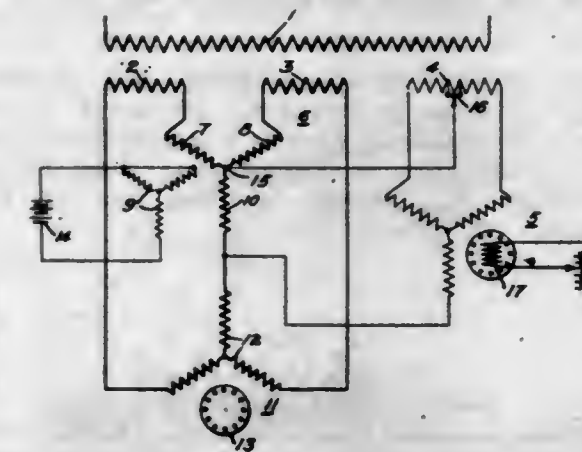
1. A welt shoe having the inner sole connected to the lining by one row of stitches and the welt connected to the outer side of the upper by a second row of stitches, the edge portion of the upper being extended beneath the inner sole and holding the welt in position for attachment of the outer sole.

1,515,199. TEMPERATURE REGULATOR. HOWARD A. HANDS, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 10, 1922. Serial No. 567,336. 10 Claims. (Cl. 219-20.)



1. In an electric-heating system, in combination, an electric heating element, a fluid-circuit interrupter, an operating coil for said interrupter, and thermal means controlled by said heating element for causing said operating coil to actuate said interrupter to its open position.

1,515,200. BALANCED PHASE CONVERTER WITH POWER-FACTOR CORRECTION. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 6, 1921. Serial No. 435,345. 5 Claims. (Cl. 172-238.)



1. The combination with a pair of alternating-current systems of different phase-numbers, of a series synchronous dynamo-electric machine having its primary phase windings serially interconnecting said systems for interchange of power, said synchronous machine having less than all of its primary windings connected to said alternating-current system having the smaller phase-number, and auxiliary apparatus deriving wattless current from the remaining interconnected primary windings.

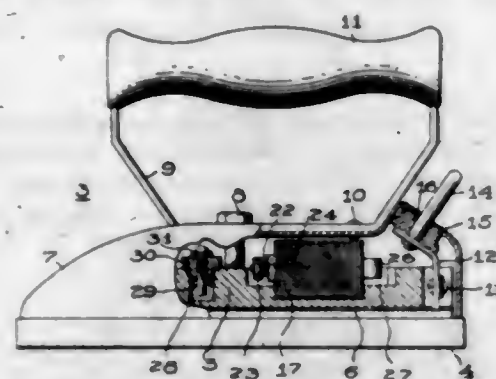
3. The combination with a phase-converter system, of a main motor to be operated in series with the phase converter, auxiliary apparatus deriving wattless current from less than all of the phase-converter windings, and means whereby substantially no unbalanced power components of current are drawn by said auxiliary apparatus from said phase converter.

1,515,201. TAPPET MECHANISM. HERBERT STAYTON HEWITT, Farnborough, England. Filed Mar. 19, 1924. Serial No. 700,333. 2 Claims. (Cl. 123-90.)



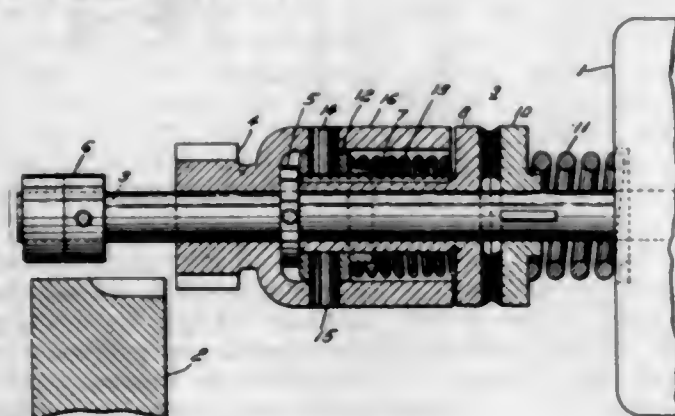
1. In tappet mechanism the combination of a pivoted rocker, a plug screwed in said rocker, a parti-spherical recess in one end of said plug, a ball formed with a flat face located in said recess, and arranged so that its flat face engages the flat face of a tappet, substantially as set forth.

1,515,202. AUTOMATIC FLATIRON CONTROLLER. HARRIS D. HINELINE, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1921. Serial No. 501,046. 11 Claims. (Cl. 219-25.)



1. A circuit-controlling device for an electrically-heated appliance, mounted therein and comprising an electromagnetic switch and means comprising a closed electric circuit, normally electrically non-conductive, for permitting the selective energization of said switch.

1,515,203. STARTING MECHANISM FOR AUTOMOBILES. CHARLES H. HODGKINS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1920. Serial No. 434,060. Renewed Apr. 15, 1924. 6 Claims. (Cl. 74-7.)



1. In a starting mechanism, the combination with a motor, a pinion mounted on the shaft of said motor, and an engine gear wheel, of a collar fixedly mounted on

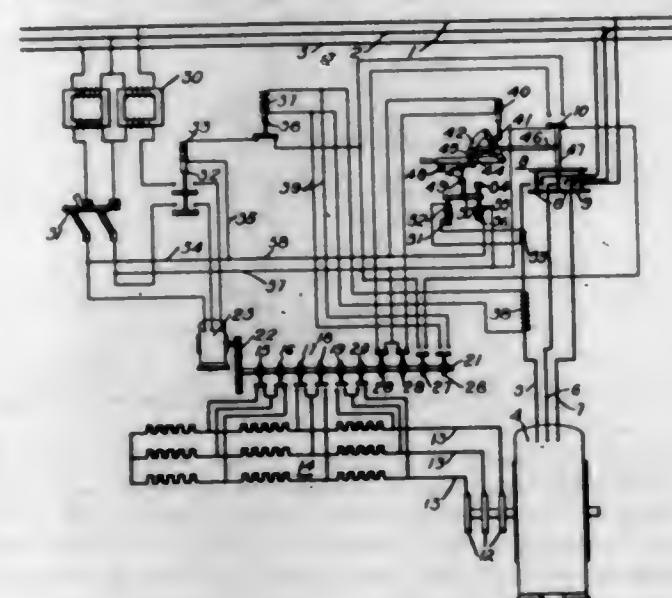
the motor shaft for limiting the movement of said pinion, a sleeve member engaging said collar and forming a portion of a friction clutch, a second portion of the clutch resiliently held in engagement with the first portion of the clutch, said second portion of the clutch being rotatable with, and slidably mounted on, the motor shaft, and a pin-and-slot connection between the pinion and said sleeve member.

1,515,204. OIL-CUP COVER. SAMUEL C. HOBY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 11, 1919. Serial No. 337,171. 5 Claims. (Cl. 64-23.)



1. The combination with a flexible base member having an opening therein bounded by an upstanding substantially annular flange, a pin positioned in said upstanding flange, and a cover pivotally mounted upon said pin, of resilient means for maintaining the cover in a closed position.

1,515,205. MOTOR-CONTROL SYSTEM. GEORGE W. HUEY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 17, 1918. Serial No. 258,529. 2 Claims. (Cl. 172-289.)

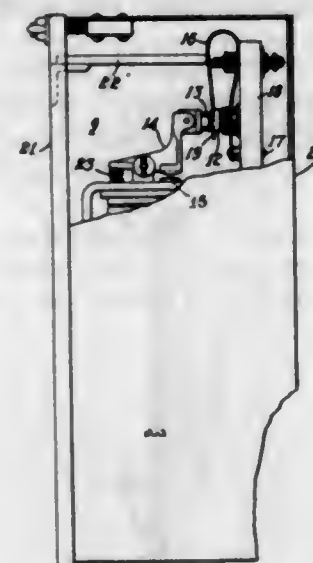


1. The combination with an electric motor having a resistor in circuit therewith, and a source of current for said motor, of a switch for connecting said motor to said source, a pilot motor for short-circuiting said resistor, means for causing said pilot motor to assume its initial position upon the opening of said switch, and mechanical means for positively preventing the closing of said switch except when the motor is in position to insert said resistor in the motor circuit.

1,515,206. RELAY AND CASING THEREFOR. GEORGE W. HUEY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1920. Serial No. 423,559. 4 Claims. (Cl. 200-50.)

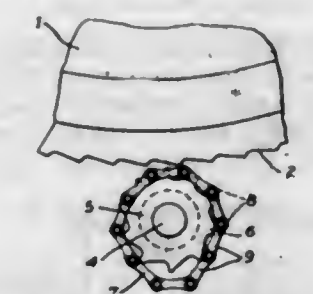
1. An enclosed relay comprising a switch member having an open and a closed position, a spring normally holding the switch in its closed position, electromagnetic

means for actuating the switch to its open position under predetermined current conditions, a second spring operable to actuate and hold the switch in its open position against the force of the first-mentioned spring and



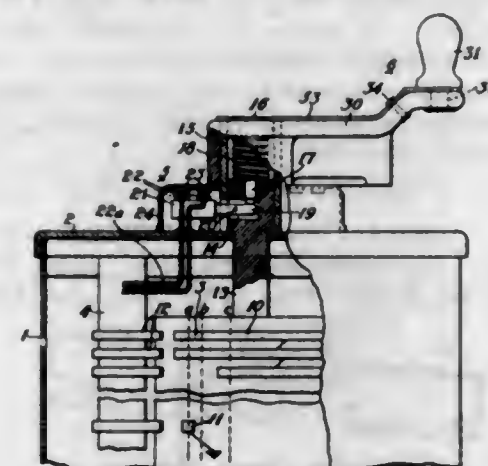
an extending member secured to the cover of the casing for disengaging the second spring from the switch member and for biasing said spring in ineffective position to permit the first spring to hold the switch closed.

1,515,207. ENGINE STARTER. WILLIAM B. JASPERT, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 23, 1922. Serial No. 602,814. 9 Claims. (Cl. 74-7.)



1. An engine starter comprising a rotatable member having inclined surfaces thereon and a flexible chain having members movable outwardly on said surfaces beyond the periphery of said member when the latter is rotated.

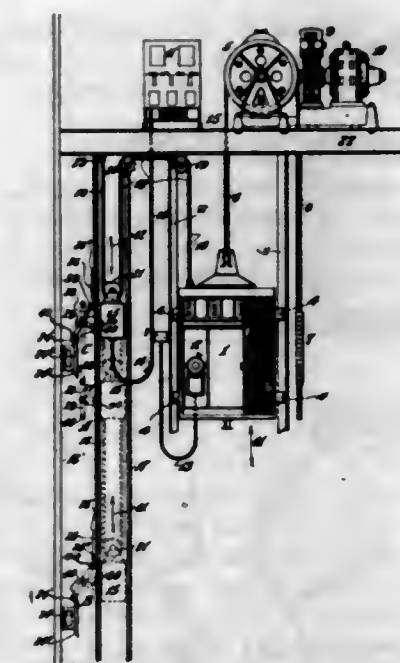
1,515,208. CONTROL APPARATUS. HOWARD H. JOHNSTON, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 13, 1920. Serial No. 358,522. 17 Claims. (Cl. 200-7.)



1. In a controller, the combination with a main and an auxiliary circuit-closing device, of a plural-part handle member, and means actuated by one handle-member part,

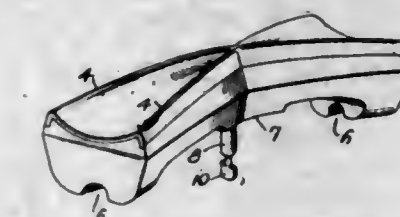
upon initial movement thereof, to impart a direct and positive circuit-closing movement to said auxiliary device and, upon subsequent movement, to impart a circuit-closing movement to said main device.

1,515,209. LEVELING DEVICE FOR ELECTRICAL ELEVATORS. NAPOLEON P. JULIEN, Springfield, Mass., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 18, 1923. Serial No. 681,443. 10 Claims. (Cl. 187-29.)



5. In a leveling device for elevators comprising in combination, means for operating the car, means for controlling the movements of the car for levelling purposes comprising a travelling member, connecting means between the car and the said member, the connecting means being so constructed and arranged that the rate of travel of the member is less than the rate of travel of the car, means carried by the said member for controlling the operation of the car operating means, including cam devices located adjacent the car landings and cooperating with the means carried by the travelling member.

1,515,210. BLADE HONE OR STROP. FREDERICK J. KALTEYER, Philadelphia, Pa., assignor to Electrostop Manufacturing Company, a Corporation of Pennsylvania. Filed June 24, 1920. Serial No. 391,484. 3 Claims. (Cl. 51-206.)

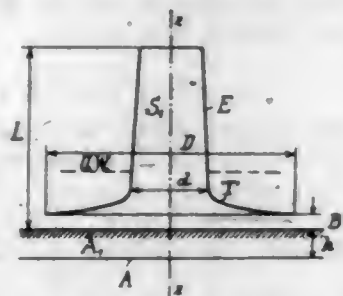


1. A blade hone comprising a rotatable body provided with a plurality of substantially V-shaped oppositely disposed wiping ribs, the apex of one set of ribs being adjacent to the apex of the other set.

1,515,211. DRAFT OR SUCTION TUBE. VICTOR KAPLAN, Brunn, Czechoslovakia. Filed Sept. 1, 1921. Serial No. 497,748. 4 Claims. (Cl. 253-17.)

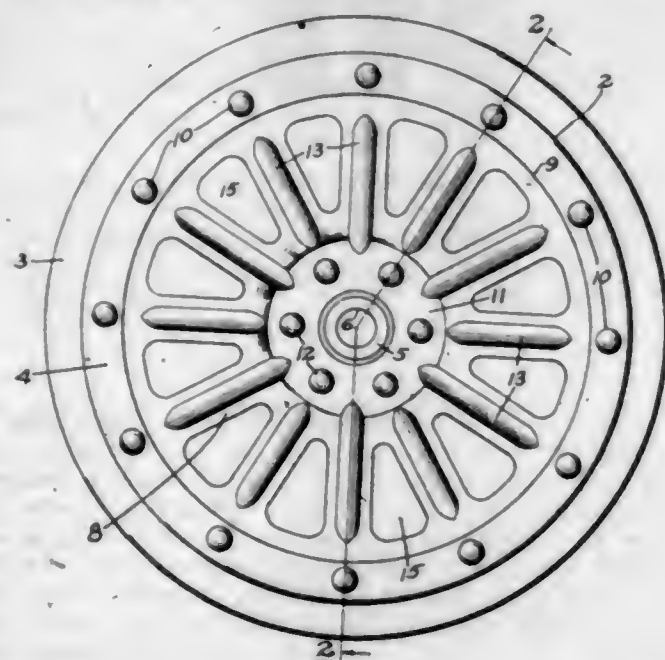
1. Suction-tube for converting velocity energy into pressure energy, comprising a tubular portion terminating in a flared end, the maximum diameter of said end being

at least three times that of the adjacent end of said tubular portion, and the distance of the mouth of said



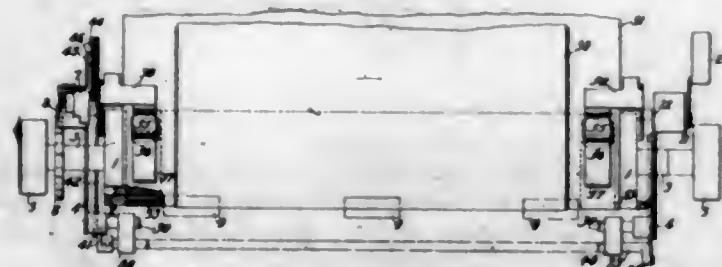
flared end from the bed of the channel being less than one-fifth of the diameter of said flared end less than that of the said end of the tubular portion.

1,515,212. WHEEL. WALTER F. KASPER, Fairmont, Minn., assignor to Fairmont Gas Engine & Ry. Motor Car Co., Fairmont, Minn., a Corporation of Minnesota. Filed Jan. 31, 1923. Serial No. 616,065. 3 Claims. (Cl. 295-22.)



1. A wheel comprising a metal rim having an inwardly turned flange, a plate having an outer edge seated against said flange, and a shoulder to receive the edge of said flange, said plate extending diagonally from a point near said flange to the center of the wheel and having a central orifice, and a hub mounted in said orifice.

1,515,213. TYPEWRITING MACHINE. WENDELL P. KERNE, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 20, 1920. Serial No. 431,895. 14 Claims. (Cl. 197-128.)



1. In a typewriting machine of the condensed billing type, in combination, a platen around which record-sheets and bill-sheets are adapted to be fed, pressure rolls adapted to be pressed against said platen to hold said sheets, means for normally line-spacing said platen comprising a ratchet wheel fixed to move with said platen and a slide having a pawl engaging said ratchet wheel, a pin on said slide, means for removing said pressure rolls

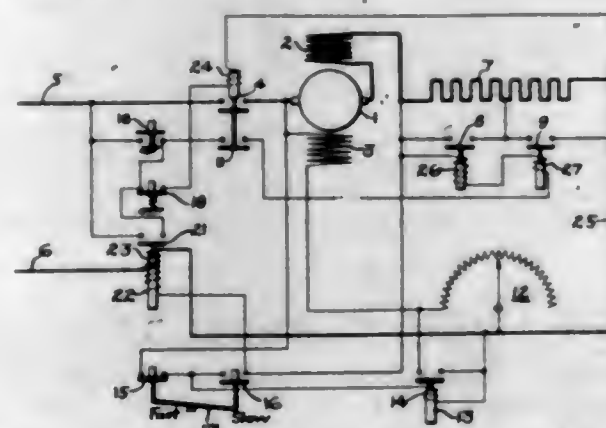
from said platen to allow the insertion of a new bill-sheet, and means connected to said pressure-roll-removing means for line-spacing said platen simultaneously with the removal of said rolls, said last-mentioned means engaging said pin to actuate said slide and line-space said platen.

1,515,214. KILN ACCESSORY. FRANK T. KELLEHER and SAMUEL R. BROWN, Bend, Oreg. Filed Apr. 3, 1924. Serial No. 704,077. 4 Claims. (Cl. 24-26.)



2. A lumber "sticker" comprising a hollow elongated body having the opposite sides thereof flattened.

1,515,215. MOTOR-CONTROL SYSTEM. GEORGE E. KING, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,734. 12 Claims. (Cl. 172-179.)



2. The combination with a motor and a starting resistor therefor, of means for shunting the resistor during starting, means dependent upon current traversing said resistor, for controlling the shunting means, and means for thereafter controlling said shunting means in accordance with the motor load.

1,515,216. CONSTRUCTION FASTENER. GEORGE B. KISSINGER, Aspinwall Borough, Pa. Filed Dec. 14, 1922. Serial No. 606,846. 3 Claims. (Cl. 248-20.)



1. A fastener for mounting electric switch boxes comprising a strip of easily flexed sheet metal adapted to be cut into suitable lengths and secured at the ends to studding of a building, the intermediate portion of the strip

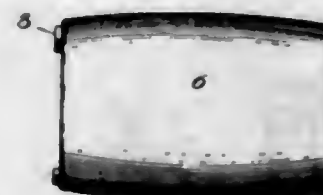
being twisted to an angular position relative to the end portions of said strip, said strip being provided with a plurality of longitudinal openings arranged at regularly spaced intervals, said openings being provided with an intermediate enlarged portion for the reception of fastening means on an electric switch box and the longitudinal openings permitting movement of the switch box to adjust the same on the twisted portion of the strip after said fastening means has been inserted through the enlarged portion.

1,515,217. AGRICULTURAL IMPLEMENT. JOSEPH M. KOMNOL, Moran, Iowa. Filed June 15, 1921. Serial No. 477,731. 1 Claim. (Cl. 97-63.)



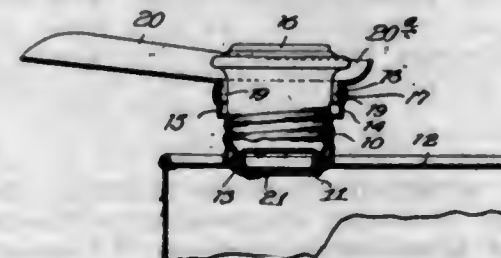
In an agricultural implement, a sleeve-like handle socket, a pair of pointed teeth projecting from the handle socket in outwardly diverging relation to each other and separately merging with the socket at spaced points, said teeth being of substantially diamond shape in cross section from end to end to provide inside, outside, front and rear straight cutting edges from end to end of each tooth, the inside cutting edges of the teeth being opposed.

1,515,218. COMBINED OIL AND GREASE BARREL. JOSEPH H. LAMBERT, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Dec. 3, 1923. Serial No. 678,185. 6 Claims. (Cl. 220-55.)



1. As a new article of manufacture, a combined oil and grease barrel, comprising a barrel-body having a fixed head on one end provided with means through which to fill and evacuate it, and having the opposite end open and provided with an interior cover-seating annular flange, a cover seating against said flange and bearing flatwise directly thereon and means for removably securing the cover to the flange to form the opposite barrel-head.

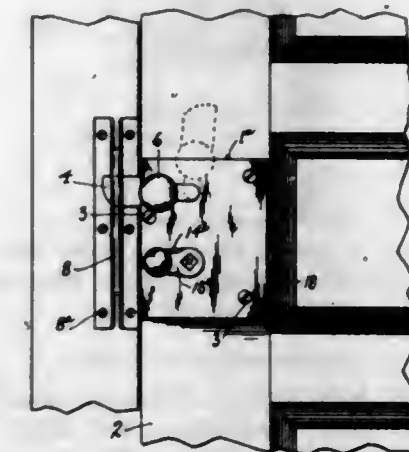
1,515,219. POURING SPOUT. JOSEPH H. LAMBERT, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Feb. 11, 1924. Serial No. 692,038. 2 Claims. (Cl. 221-11.)



2. In combination with a container having an opening in its top, a screw-threaded nozzle extending outwardly from said opening, a plug screwing into the nozzle,

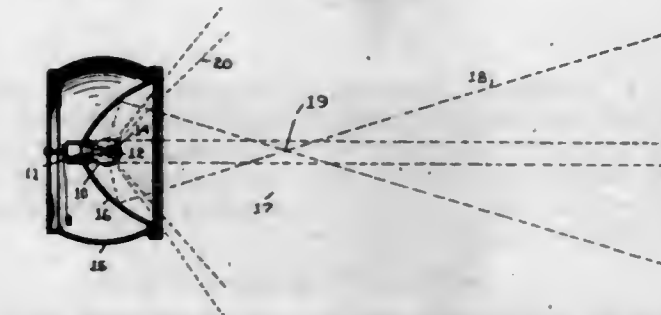
said nozzle being expanded toward its outer end to form a space between it and the plug and an internally-concave groove beyond said space, and a pouring spout provided with a bottom-opening having an annular flange extending therefrom and conforming to and rotatably confined in said groove, said spout inclining upwardly from the nozzle.

1,515,220. DOOR LOCK. JOHN HENRY RIDINGS, Coal City, Ill. Filed Mar. 10, 1923. Serial No. 624,128. 9 Claims. (Cl. 70-29.)



1. A door lock, comprising a casing, a latch provided with operating handles, rotor actuated tumblers adapted to lock said latch, and crank and key operated rotor members in said casing for operating said tumblers, one of said rotor members being provided with a safety device and the other with an operating handle whereby to set the parts in tumbler actuating and tumbler non-actuating positions as desired.

1,515,221. ELECTRIC LAMP. WILLIAM WOODRUFF ROBERTS and LYNN T. ROBERTS, Shelbyville, Ky. Filed Mar. 10, 1924. Serial No. 698,138. 1 Claim. (Cl. 240-41.)

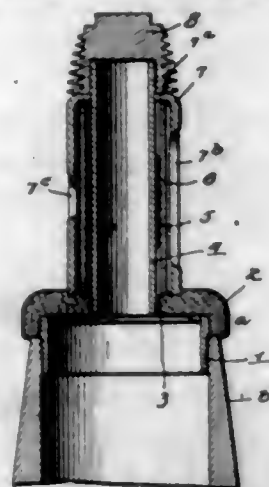


The combination with a headlight having a housing and a main parabolic reflector mounted therein and facing the forward end of the housing and terminating forwardly closely adjacent said end; of a lamp socket projecting through the rear end of the reflector in the axis thereof, of an incandescent lamp bulb mounted in said socket and having its filament close to but in front of the focus of the reflector, said bulb being coated on its forward end with a reflecting surface and a protecting coating on said surface, whereby rays of light from the lamp filament directed on the parabolic reflector issue in a converging beam, while rays of light directed against the reflecting surface on the bulb are reflected to the parabolic reflector and redirected by the latter in a parallel beam of light forward of the headlight housing.

1,515,222. TEMPERATURE INDICATOR FOR INTERNAL-COMBUSTION ENGINES. SAMUEL RUBEN, New York, N. Y. Filed July 11, 1921. Serial No. 483,803. Renewed Apr. 25, 1924. 9 Claims. (Cl. 116-114.)

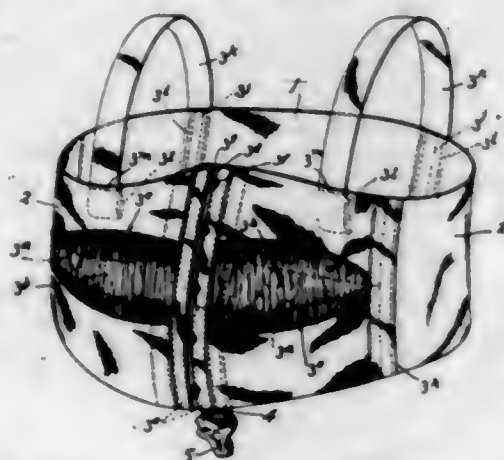
5. In a temperature indicator for internal combustion engines, the combination with a radiator cap having an opening therethrough, of a metal tube mounted on heat

insulating material on said cap and having an opening registering with the opening in the cap, said tube having a coating of material which changes color with changes



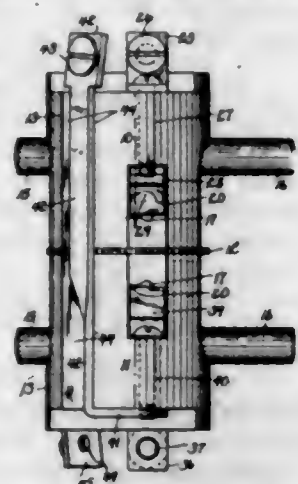
in temperature, a casing enclosing said tube but leaving said coating exposed to view, and a heat radiating cap on said tube outside the casing.

1,515,223. BRASSIÈRE. NELLA ROMANO SANCETTA, Brooklyn, Ohio. Filed Mar. 20, 1923. Serial No. 626,283. 3 Claims. (Cl. 2—42.)



1. A brassière, comprising non-elastic pervious back and side sections, bust supporting sections made up of spaced inwardly diverging elastic webbing strips of uniform width, and shirred pervious material secured to said webbing strips and extending over said spaces forming pervious bust receiving pockets.

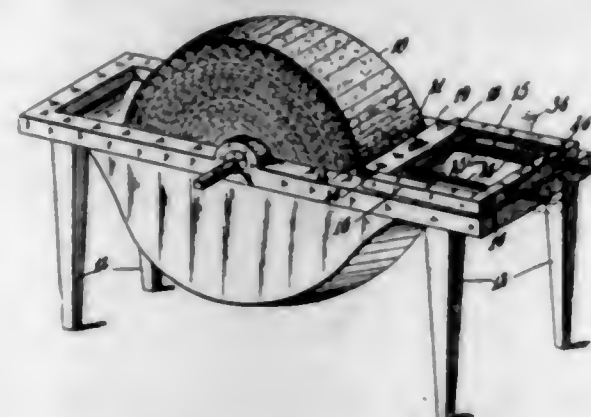
1,515,224. ELECTRIC SWITCH. IRA R. SOLTZER, Waterville, Conn., assignor to The Gordon Electric Mfg. Co., Waterville, Conn., a Corporation. Filed Mar. 10, 1922. Serial No. 542,528. 8 Claims. (Cl. 200—72.)



1. In an electric switch, the combination with a casing therefor, of a plurality of independently-organized, independently-operable switch-units axially arranged within

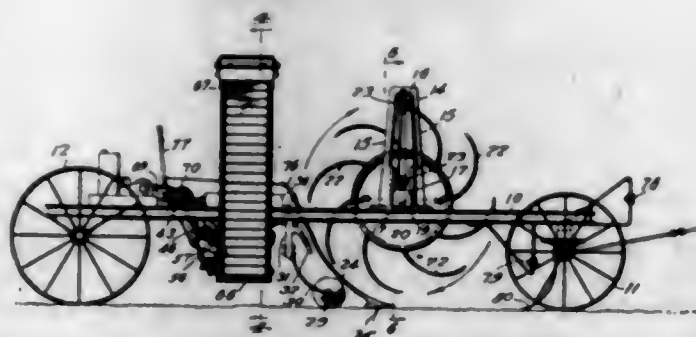
the said casing in mechanical series, and electrically connected for their operation independently or together and a main-line connector located within the said casing and extending beyond the outer ends of the said axially-arranged switch-units therein.

1,515,225. GRINDSTONE-TRUING DEVICE. ADOLFO SEPULVEDA, Los Angeles, Calif. Filed Jan. 4, 1924. Serial No. 684,274. 5 Claims. (Cl. 125—11.)



1. A truing attachment for grindstone comprising a scraper bar, a crosshead on which said scraper bar is removably mounted, a U-frame in the legs of which the crosshead is guided, and springs bearing on said crosshead to urge the scraper against the grindstone.

1,515,226. CORN HARVESTER AND HUSKER. AUGUST SMITH, Sharon Springs, Kans. Filed May 9, 1924. Serial No. 712,063. 6 Claims. (Cl. 56—115.)

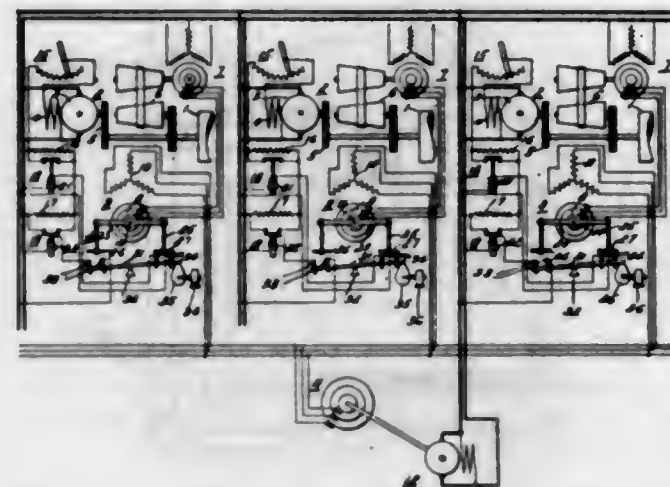


1. A corn harvester and husker, comprising a main frame, a pair of bumpers at the front end thereof arranged at different heights, a plurality of ground engaging spring members, located between said bumpers, a rotary drum having a plurality of curved blades, a plurality of forked teeth each having an enlarged ground-engaging shoe, a plurality of substantially thin, yieldably mounted ground-engaging rollers, a sickle, corn husking means mounted upon the main frame, deflector arms for directing the corn into said husking means and means for rotating the drum and reciprocating the sickle.

1,515,227. SPEED-REGULATOR SYSTEM. STEPHEN A. STAEGE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 14, 1921. Serial No. 444,907. 9 Claims. (Cl. 172—293.)

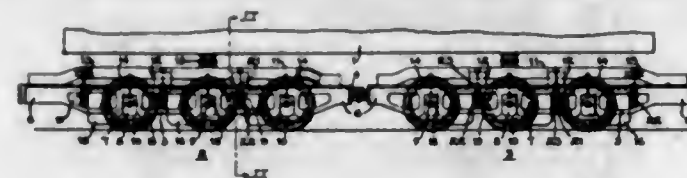
9. In a speed-regulator system, the combination with a constant-speed motor, a motor to be regulated, and

differential means energized in accordance with the respective speeds of said motors, of means for correcting



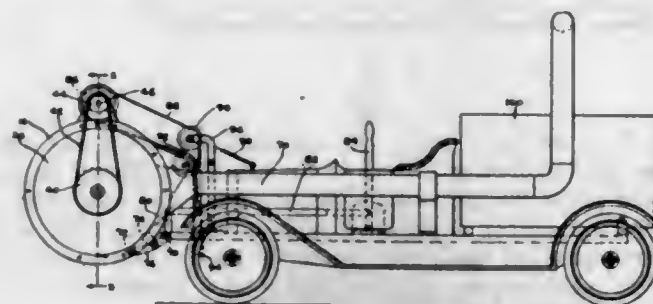
for relative speed variations of the motors comprising a pulsatory circuit-interrupting means.

1,515,228. LOCOMOTIVE GIRDER. NORMAN W. STORER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 27, 1922. Serial No. 609,213. 10 Claims. (Cl. 105—139.)



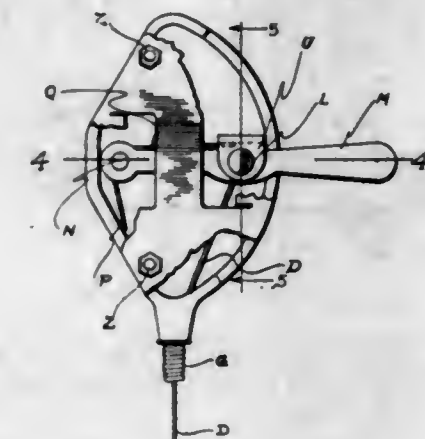
1. The combination with an electric-locomotive truck, of a motor-suspension means comprising a box girder disposed longitudinally of the side frames of said truck and secured, at its respective ends, to the bumper frames thereof.

1,515,229. GRAIN-HEADING MACHINE. ARCHIBALD M. STRACHAN, Minneapolis, Minn. Filed Oct. 16, 1922. Serial No. 594,950. 3 Claims. (Cl. 56—23.)



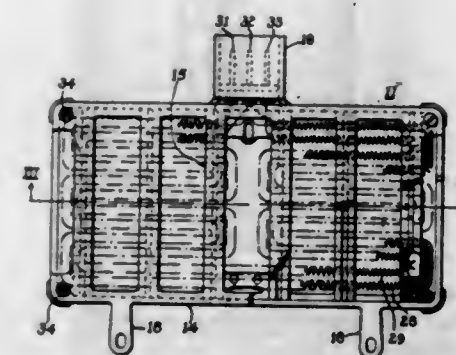
1. A grain heading machine comprising a wheeled frame adapted for movement over the ground, a horizontal cylindrical casing supported by said frame and having a longitudinal slot therein, cutting mechanism at one edge of said slot, a rotatable shaft extending longitudinally through said casing, blades attached to said shaft which closely engage the inside surface of said casing, said blades in succession during their rotation forming temporary chambers in said casing, a fan for producing a blast of air through said casing, and means for driving said fan at a greater rate of speed than that of said shaft.

1,515,230. CARBURETOR-CHOKE-VALVE CONTROL. CLYDE W. STRINGER, Highland Park, Mich., assignor to George M. Holley, Detroit, Mich. Filed Oct. 3, 1923. Serial No. 666,312. 3 Claims. (Cl. 74—39.)



1. In a device of the character described, a slotted base plate having ears projecting into said slots, hooked pieces engaging with said slots, recesses in said hooked pieces corresponding to said ears, means for clamping the said hooked pieces together for the purpose described.

1,515,231. ELECTRIC HEATING UNIT. ERNEST E. SUTHERLAND, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1924. Serial No. 688,380. 7 Claims. (Cl. 219—70.)

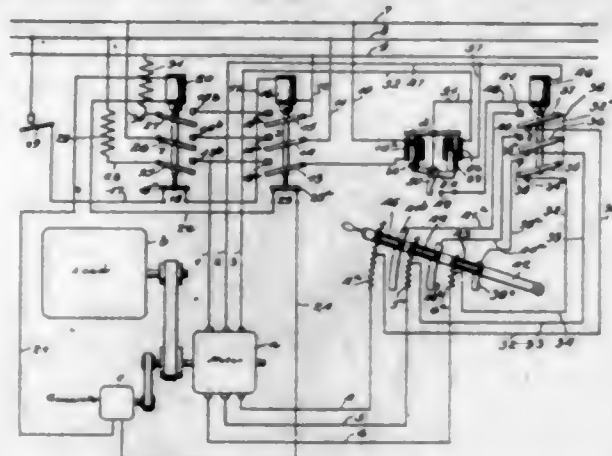


1. A light weight electric heating unit comprising substantially coextensive upper and lower skeleton frames, a plurality of spaced and parallel-extending bars, of refractory electric-insulating material, located between said frames, each having a plurality of openings extending laterally therethrough, and a resistor member extending through the openings in said bars and distributed substantially uniformly over the surface area of the heating unit.

1,515,232. AUTOMATIC PLUG REVERSE SWITCH. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Jan. 26, 1924. Serial No. 688,885. 3 Claims. (Cl. 172—179.)

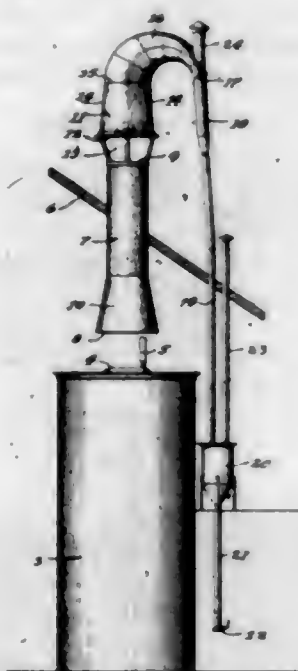
1. The combination with an induction motor and a main switch for connecting the stator windings thereof to the supply circuit, of a direct current generator

driven by the motor, a switch for reversing the current phases in the motor, a magnet, having a coil in circuit



with the generator, for closing the latter switch, and means for closing the circuit through said coil when the main switch opens.

1,515,233. BREEZE ARRESTER AND THE LIKE. ERNEST C. WOODIN, Chicago, Ill. Filed Sept. 7, 1922. Serial No. 556,583. 2 Claims. (Cl. 183-93.)

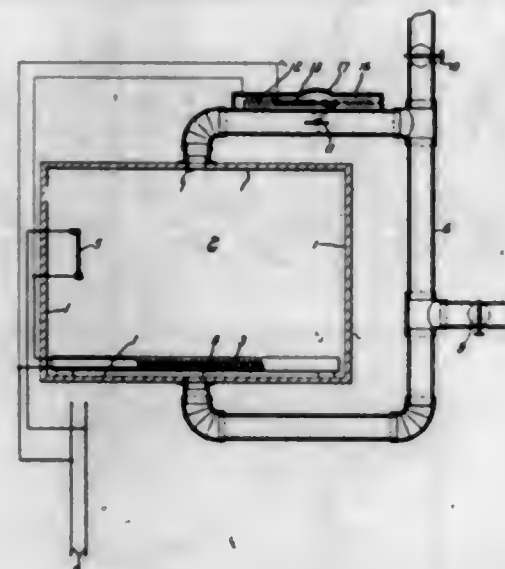


1. The combination with a gas machine having an upwardly opening port for the delivery of gases and entrained breeze, of a vertical stack above and in alignment with said port and having its lower end spaced away from the port, a tapered hood located above and in alignment with the upper discharge end of said stack and spaced away therefrom a substantial distance to provide therebetween an opening of substantial size for the delivery of gases sidewise to the open air, the upper portion of said hood curving over with a constant and substantially uniform taper to a position substantially 180° from the original direction of the hood, a downwardly reaching connection at the lower reduced end of the hood, and a revent connection reaching upwardly from the outer face of the lower reduced end of the hood, the hood tapering at an angle of substantially 30° or less, substantially as described.

1,515,234. EXHAUST VALVE FOR ELECTRICALLY-HEATED OVENS. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Mar. 14, 1921. Serial No. 452,175. 6 Claims. (Cl. 219-35.)

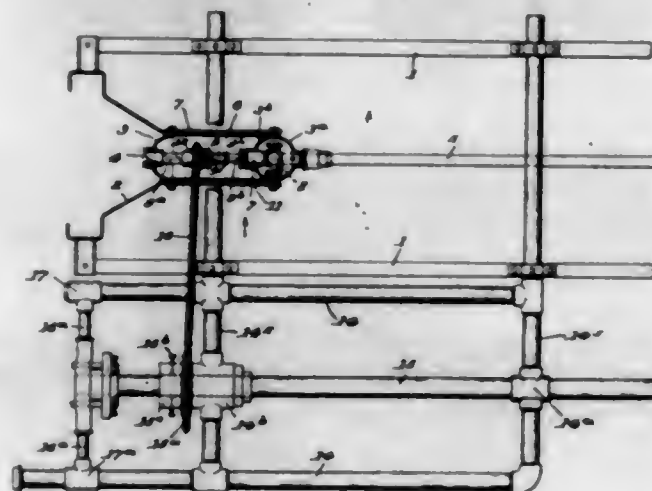
1. In an electrically heated oven of the ventilated type, the combination with an oven chamber, electric

heating means in said chamber and electro-magnetic means for controlling the circulation of heated fluid



through said chamber, of a single thermally-actuated means for controlling the energization of said heating means and of said circulation-controlling means.

1,515,235. MOTOR VEHICLE. EDGAR W. WOODWARD and JOHN C. MILLSAP, Susanville, Calif. Filed June 14, 1923. Serial No. 645,469. 2 Claims. (Cl. 74-7.)

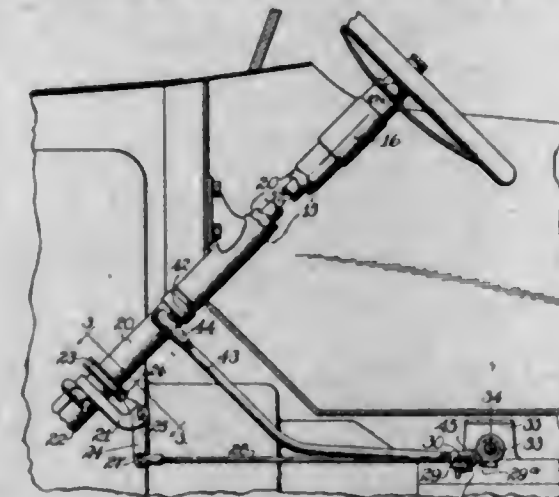


2. In a motor vehicle the combination with the main frame and propeller shaft, of an auxiliary frame secured to said main frame, and projecting from one side thereof, a rotary member journaled in said auxiliary frame on an axis parallel with the propeller shaft, and means for driving said rotary member from the engine.

1,515,236. GEAR-SHIFTING MECHANISM. GARRETT W. WOODWARD, Chicago, Ill., assignor to Woodward Automatic Control Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 19, 1921. Serial No. 516,350. 6 Claims. (Cl. 74-39.)

1. In a motor vehicle, a transmission having selective sliding gear mechanism including two selectively movable members, a shaft, a finger on said shaft, said shaft being movable to cause said finger to selectively engage either of said members, a steering column, a steering shaft therein, a lever movably mounted thereon, means operatively connecting said lever and shaft for moving

the shaft to cause the finger to engage one of the members, means operatively connecting said lever and shaft for causing said finger to move said member to



shift a transmission gear upon movement of said lever, and means for locking said last mentioned means and said steering shaft against movement.

1,515,237. MEASURING DEVICE. TRYGVE D. YENSEN, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 23, 1920. Serial No. 419,086. 29 Claims. (Cl. 23-3.)



8. A method of determining the percentage of carbon in a metal which comprises oxidizing a sample, removing water from the gas so formed by cooling in carbon-dioxide snow, condensing said gas, and quantitatively measuring the same.

1,515,238. NAPKIN DISPENSER AND MENU HOLDER. WILLIAM L. BAKER, Golconda, Ill. Filed Feb. 21, 1923. Serial No. 620,414. 2 Claims. (Cl. 211-32.)



2. In a device of the class described, a casing having an opening in one side, a closure plate rigidly connected to the casing at one of its ends, a second closure plate hingedly connected to the opposite end of the casing, a

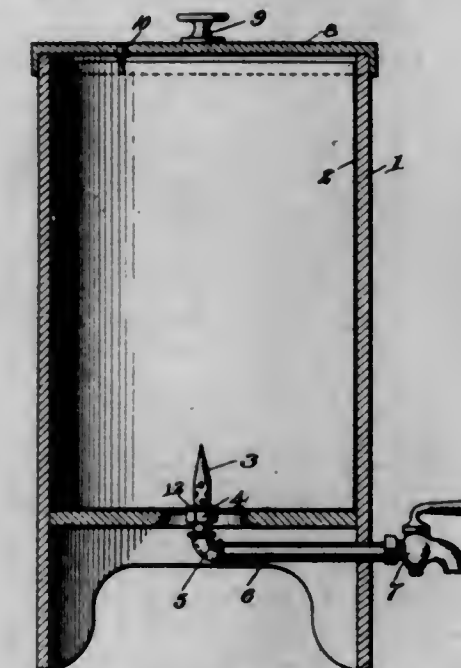
rod engaging the two plates to hold the hinged closing plate in its closed position, and a cutter pivotally mounted on said rod and disposed to close the opening in the side of the casing.

1,515,239. SPIRIT LEVEL. HARRIS J. COOK, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 9, 1922. Serial No. 605,808. 2 Claims. (Cl. 33-214.)



1. The combination with the face plate of a level, of a post secured thereto and having a transverse opening adjacent its free end, a spirit tube case provided with an aperture adapted to slidably receive said post, a spring surrounding said post between said plate and case, a circular pin in said opening having a line contact with that face of said case opposite to that against which said spring presses, the line of contact between said pin and case being disposed at right angles to the length of the spirit tube, and means for adjusting said case through a small arc about said pin as a fulcrum.

1,515,240. CONTAINER FOR OIL OR OTHER LIQUID. KATE LANGDON COX, Devonshire Parish, Bermuda. Filed June 26, 1923. Serial No. 647,927. 1 Claim. (Cl. 221-23.)

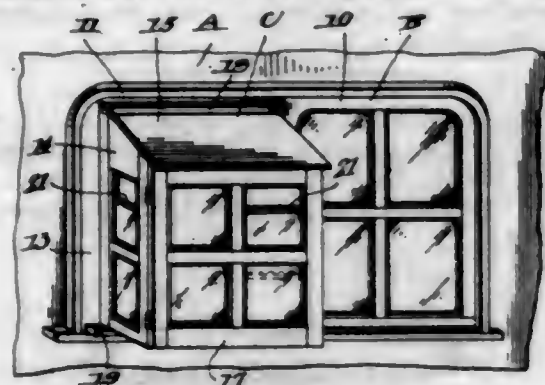


In a device of the class described, a portable container housing, having an opening in its bottom, a metal lining in said container covering said opening, a can perforating member having a passage formed therein, affixed through said opening to said metal lining and communicating with the interior thereof, said member communicating with a delivery conduit, a cover for said container having a vent perforating member thereon.

1,515,241. LOCOMOTIVE-CAB WINDOW. GABRIEL DAVID, Smiths Falls, Ontario, Canada. Filed Mar. 13, 1922. Serial No. 543,452. 1 Claim. (Cl. 20-40.)

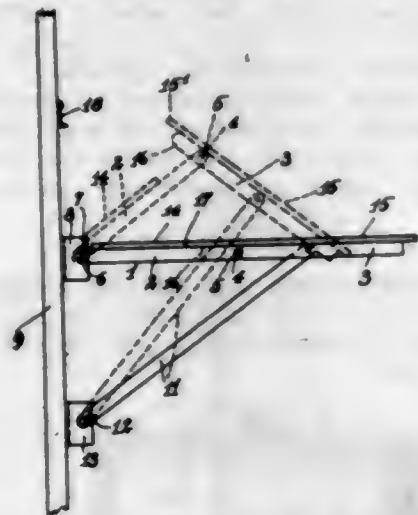
A collapsible outlook window of the character described comprising a travelling frame, side panels hingedly connected with the frame and formed with sloping top ends, a front panel hingedly connected to each of the side panels, a roof member swingingly mounted on

the frame and adapted to engage with the tops of the side panels, a base member swingingly mounted on the



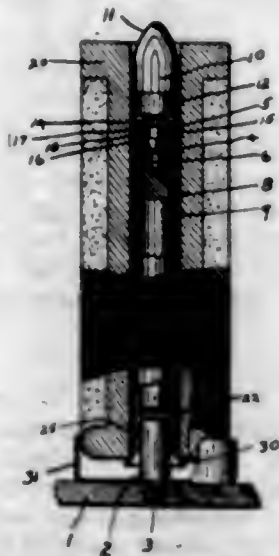
frame and retaining-latch carried by the base member and adapted to engage with a recess in the front panel to retain the base in position.

1,515,242. TABLE SUPPORT. BENJAMIN R. DEXTER, Oakland, Calif. Filed Apr. 24, 1923. Serial No. 634,278. 2 Claims. (Cl. 45-51.)



1. A folding support comprising foldable forward and rearward supporting bars, said supporting bars being pivoted to each other, a plate secured to said forward supporting bars and a second plate secured to said rearward supporting bars, said forward plate having a lip formed on one end thereof adapted to rest upon said rearward supporting bars, braces pivoted to said forward supporting bars, brackets, said brackets having slots formed therein, and pins in said rearward supporting bars and said braces adapted to enter said slots, said brackets being secured to a wall.

1,515,243. BOBBIN HOLDER. GEORGE WILLIAM DOVER, Cranston, R. I., assignor of one-half to John Montgomery, Woonsocket, R. I. Filed Nov. 13, 1922. Serial No. 600,510. 6 Claims. (Cl. 242-130.)



1. In a bobbin holder, a spindle provided with a conical recess formed in one end thereof and having an annular rim extending upwardly therefrom and a sleeve rota-

table about said spindle and having a top portion provided with a circular shoulder and a conical projection extending downwardly from said shoulder and seated in the conical recess in said spindle, said rim and shoulder cooperating to form an oil reservoir adjacent to the conical bearing surfaces.

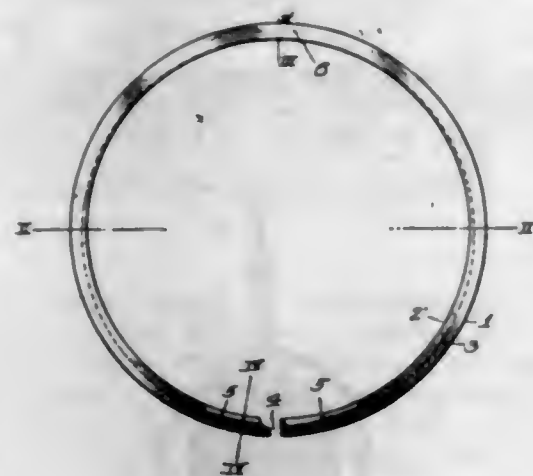
1,515,244. METHOD OF PRODUCING CHILLED-IRON-ALLOY CASTINGS. JOHN N. EARLY, Pittsburgh, Pa., assignor to W. J. Early Sons Foundry Corporation, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 10, 1924. Serial No. 685,423. 4 Claims. (Cl. 22-213.)

1. The method of producing a chilled iron alloy casting comprising silicon .75% to 1.50%; sulfur .05% to .25%; phosphorus .25% to .75%; manganese .20% to .70%; combined carbon of from 1.00% to 2.25%; some free carbon; and approximately sufficient iron to complete 100%; which consists in mixing suitable quantities of the different metals to form the alloy, melting the metals at a temperature of from approximately 2500 degrees to 2700 degrees Fahrenheit, and pouring the molten alloy to form the casting at approximately 2300 degrees to 2500 degrees Fahrenheit, and varying the depth of the chill on said casting by varying the temperature at which the molten metal is poured within the above limits of pouring temperature.

1,515,245. RECOVERY OF VANADIUM. ALBERT N. ERIKSSON, Elmhurst, N. Y., assignor, by mesne assignments, to Electro Metallurgical Company, New York, N. Y., a Corporation of West Virginia. Filed Feb. 25, 1922. Serial No. 539,120. 6 Claims. (Cl. 23-13.)

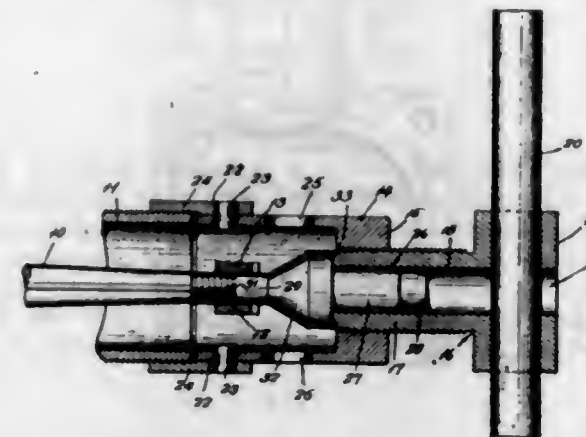
1. Process of preparing a pure vanadium compound, which comprises treating an impure solution containing highly oxidized vanadium with a reducing agent until the vanadium is reduced to at least the trivalent stage, diminishing the acidity of the solution, whereby an impure vanadium precipitate is thrown down, and leaching the precipitate to remove soluble impurities therefrom.

1,515,246. PISTON RING. HENRY FORD, Dearborn, Mich. Filed Sept. 28, 1919. Serial No. 320,578. 4 Claims. (Cl. 74-109.)



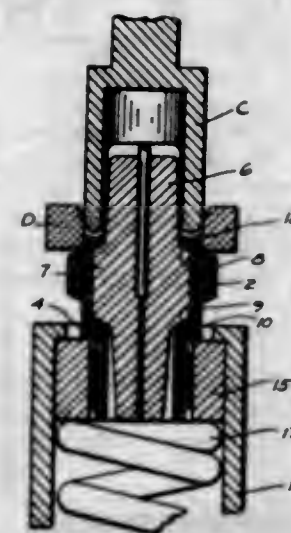
1. A split piston ring having its opposite side faces of substantially uniform radial dimensions throughout the length of the ring, and having its inner face recessed with respect to the periphery forming the inner diameter of the ring, the portion of the recess at one cross-section of the ring differing in the dimensions of width and depth from that at another cross-section of the ring on the same side of the split, the maximum width of the recess being less than the overall width of such inner face with the recess spaced from such opposite side faces, said recess extending to and being exposed on the surface of the split.

1,515,247. WHEEL PULLER. BURTON A. FORSYTH, Elmira, N. Y. Filed Apr. 20, 1923. Serial No. 633,515. 6 Claims. (Cl. 29-85.)



1. A wheel puller, including two relatively rotatable members having screw-threaded engagement and adapted for engagement with the hub and axle of a vehicle respectively to effect a relative longitudinal movement, means for connecting one of said rotatable members to the hub, the other rotatable member being formed with a longitudinal bore, a separate releasing plunger slidably connected to said latter rotatable member with its outer end within said bore and adapted to engage the axle with its other end, and a bar wrench insertable into said bore to apply tapping blows to said plunger.

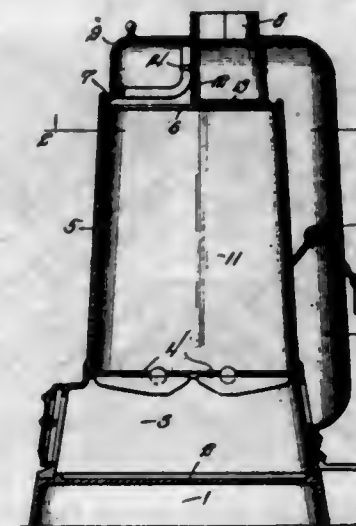
1,515,248. SPARK PLUG AND METHOD OF MANUFACTURING THE SAME. FREDERICK M. FURBER, Revere, Mass. Filed May 18, 1918. Serial No. 235,372. 13 Claims. (Cl. 20-155.5.)



1. A spark plug, comprising a shell having a bore formed therethrough, an insulator positioned in said bore and having a circumferential enlargement with shoulders at the opposite ends of said enlargement, a seat in said shell supporting one of said shoulders, and a flange at the outer end of said shell turned inwardly over the other shoulder of said insulator and clamping the insulator in the shell, the intumed portion of said flange being reversely curved in the direction of its length.

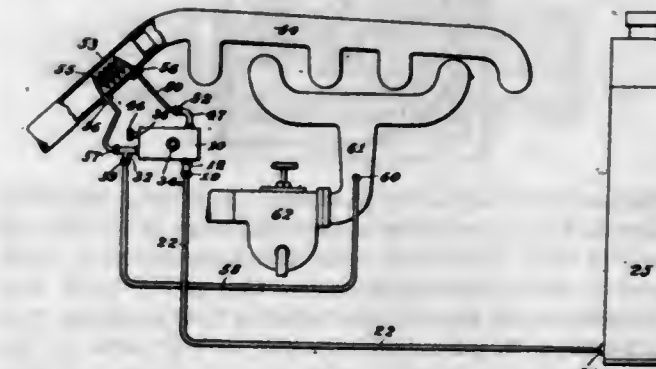
13. The process herein described which consists in providing an electrode insulator with an enlarged flange, placing the flange within a jacket, positioning a die to surround the jacket and engage with an edge portion thereof, and compressing the edge portion of the jacket in the direction of its length and inward to provide a turned edge to lock the jacket to the flange.

1,515,249. SLOW-BURNING STOVE. HUGH L. GADDIS, Macomb, Ill., assignor to American Steel Products Co., Macomb, Ill., a Corporation of Illinois. Filed May 10, 1924. Serial No. 712,230. 16 Claims. (Cl. 126-58.)



1. The combination with a stove having a flue outlet in its top, of a flue-drip catching member removably supported below the flue outlet, and a door disposed so that the said member can be removed and reinserted through it.

1,515,250. WATER-VAPORIZING ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. CARL GEMING and FRANCIS B. DIANA, Waterbury, Conn. Filed Dec. 11, 1923. Serial No. 680,048. 2 Claims. (Cl. 123-25.)

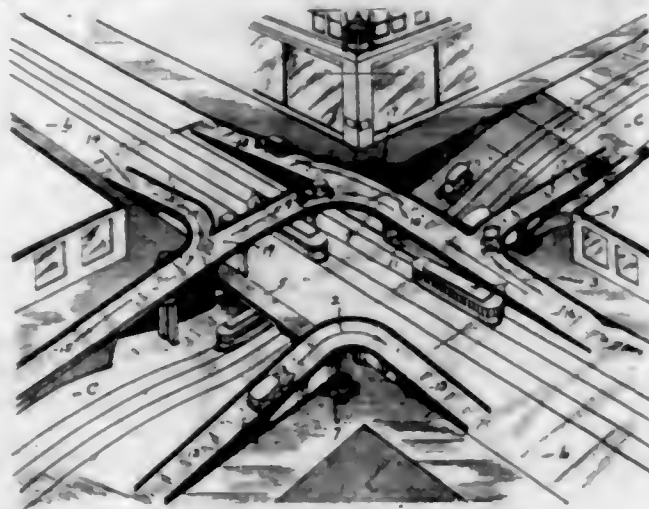


1. In a water vaporizing injecting attachment for an internal combustion engine, a casing having a pair of longitudinally extending communicating passages, the first of said passages being connected to a source of water supply, the second of said passages being connected to a source of vacuum, needle valves located in each of said passages for controlling the openings thereinto, the first passage being also connected to said source of vacuum, a spring pressing against the needle valve in said first passage for closing said needle valve when the engine is not running, but permitting said needle valve to automatically open when the engine is started, means for permitting the entry of air from the atmosphere into the second passage, said air being mixed in said second passage with the water coming from the first passage, and means for heating said air and water mixture to completely vaporize it.

1,515,251. STREET-TRAFFIC SYSTEM. HENRY W. GRAVES, Chicago, Ill., assignor of one-half to John F. Goode, Chicago, Ill. Filed June 11, 1924. Serial No. 719,241. 14 Claims. (Cl. 104-124.)

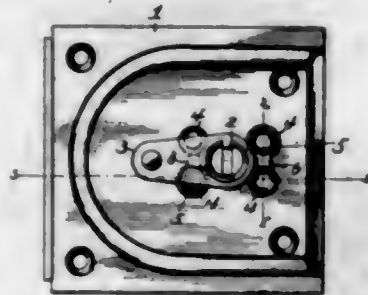
1. In a street crossing, an elevated roadway extending effectively diagonally across the street intersection, inclined driveways connecting each end of the elevated roadway to both streets and respectively affording right-

hand turns from one of the streets to the second street at the diagonally opposite street corners between which the elevated roadway effectively extends, the elevated



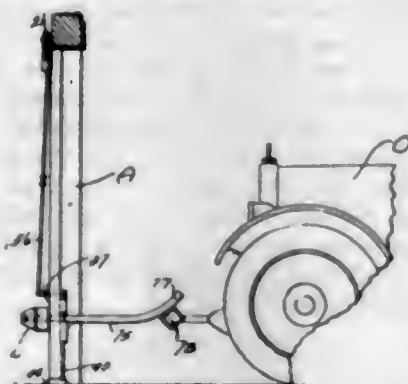
roadway cooperating also with two of the inclined drive-ways to afford a left-hand turn from the said one street to the said second street.

1,515,252. LOCK. WILLIAM R. HOYT, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 14, 1923. Serial No. 657,280. 2 Claims. (Cl. 70-46.)



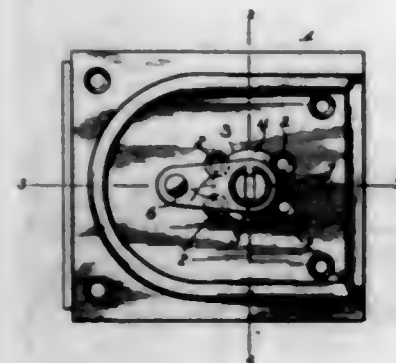
1. The combination with the back plate of a rim lock structure having a hole for a securing bolt of a cylinder lock and a bolt operating cam mounted on said back plate, of a cam blocking member located in said bolt hole in position to receive the head of the securing bolt and to be held thereby normally out of the path of the bolt operating cam to be moved into the path of said cam upon the application of excessive strain on the securing bolt.

1,515,253. GARAGE-DOOR-OPENING MECHANISM. EDWARD J. HUNTER, Wayne, Nebr. Filed June 19, 1923. Serial No. 646,434. 6 Claims. (Cl. 292-36.)



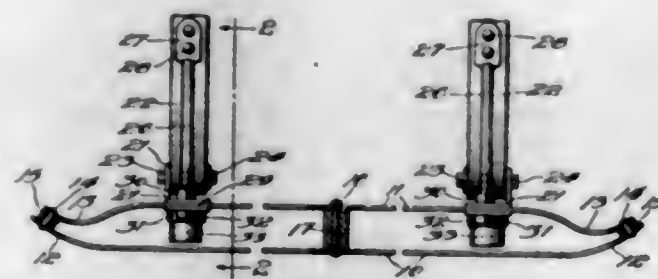
1. In a device of the class described, the combination with a hinged door including a pair of relatively hinged sections, of a latch mechanism connected to said door including an operating lever extending outwardly from the plane of the door when in closed position, and adapted for disposal between the door sections when they are folded upon each other.

1,515,254. LOCK. JAMES B. JENSEN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 14, 1923. Serial No. 657,279. 3 Claims. (Cl. 70-46.)



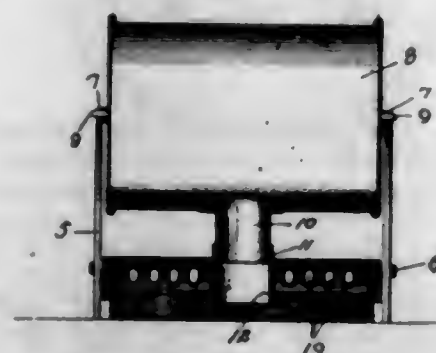
1. The combination with the back plate of a rim lock, of a separate plate or disk mounted on said back plate and adapted for the reception of the head portion of securing bolt means for a lock cylinder, said bolt means constituting the sole securing means for said plate or disk, and a bolt operating member mounted on and carried by said separate plate or disk.

1,515,255. BUMPER BAR. FRANK J. KERRER, Chicago, Ill. Filed Dec. 12, 1923. Serial No. 680,085. 7 Claims. (Cl. 293-55.)



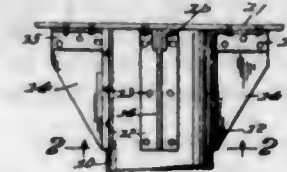
7. In a device of the class described, a bumper bar, brackets engaging the bumper bar, a bolt for each bracket having its rear end adapted for engagement with the top of a car sill, and an attachment plate secured to each bracket and adapted to bear against and be attached to the side of the car sill, substantially as described.

1,515,256. CHICKEN WATERER. HENRY D. KOHLMEYER, Greenleaf, Kans. Filed Oct. 18, 1922. Serial No. 594,293. 1 Claim. (Cl. 110-77.)



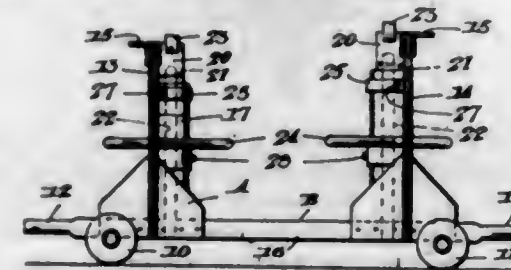
A fountain comprising a frame, a movable reservoir mounted on the frame having an outlet spout, a trough disposed directly below the reservoir for receiving water therefrom, and a closure cap having outlet openings formed therein at a point intermediate the ends thereof and slidably mounted upon the outlet spout, as and for the purpose specified.

1,515,257. METAL BUILDING STRUCTURE. HARRY KRANOW, Hartford, Conn. Filed Aug. 29, 1922. Serial No. 585,028. 2 Claims. (Cl. 72-75.)



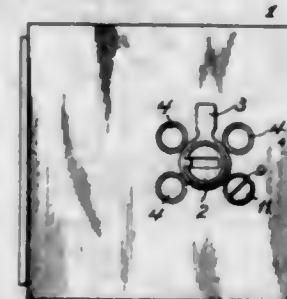
1. In a metal structure, a cylindrical shell, brackets comprising steel bases shaped to the contour of the outer surface of the shell and having webs projecting therefrom, angle irons secured to the webs at their outer edges and constituting supports, reinforcing plates on the inside of the shell, and fastenings extending through the bases of the brackets, the shell and the said reinforcing plates.

1,515,258. MACHINE FOR APPLYING AND REMOVING DRAWBARS. ELIJAH LANGILLE, Stellarton, Nova Scotia, Canada. Filed Oct. 8, 1923. Serial No. 667,425. 2 Claims. (Cl. 29-84.)



2. In a device of the character described and in combination with truck supported means substantially as described, means for handling the truck, drawbar-supporting castings carried by the truck, means for adjusting said castings, and means for raising or lowering said castings comprising screw-threaded rods for said castings and interiorly threaded hollow castings for said rods, and means for rotating said hollow castings to raise or lower said rods.

1,515,259. LOCK. CHARLES LEDIN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 14, 1923. Serial No. 657,276. 2 Claims. (Cl. 70-46.)

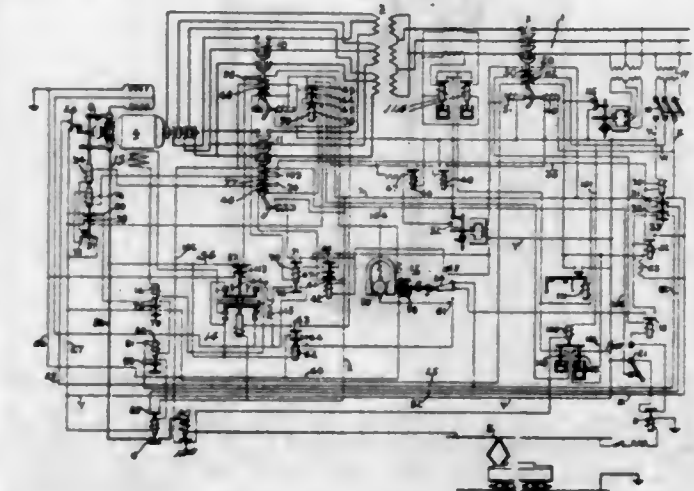


2. The combination with a back or cover plate for a rim lock having a hole for the accommodation of a securing bolt for a cylinder lock and a bolt operating cam mounted in said cover plate, of a spring actuated bushing passing through said cover plate, and a securing bolt for a cylinder lock passing through said bushing and having a head to seat therein, said spring actuated bushing constituting locking means for the bolt operating cam and said bolt normally operable when the cylinder lock is in place to hold said bushing out of the path of movement of the bolt operating cam.

1,515,260. AUTOMATIC STATION SWITCHING. STUART G. LEONARD, Gallon, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1922. Serial No. 592,749. 36 Claims. (Cl. 171-312.)

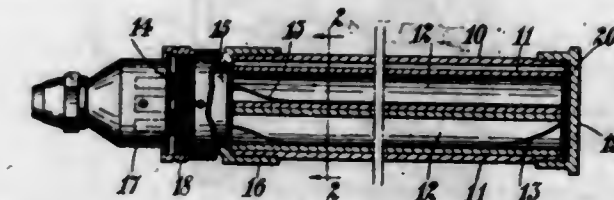
1. In an electrical distribution system, the combination with an alternating-current circuit, a direct-current

circuit and a synchronous converter, to be connected therebetween, of means for applying starting voltage to the converter winding from the alternating current circuit, means for subsequently applying normal operating voltage, means dependent upon the development of a predetermined polarity in the converter for



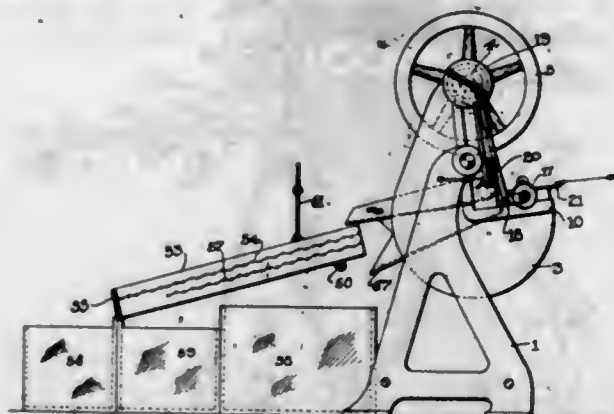
controlling the transfer from starting to running voltage and means for disconnecting the converter from the alternating-current circuit if the development of a predetermined polarity in the converter and the subsequent transfer from starting to running voltage are not effected within a predetermined interval of time.

1,515,261. ELECTRIC HEATING APPARATUS. JOHN LIGHTFOOT, Manchester, England. Filed Jan. 15, 1924. Serial No. 686,446. 16 Claims. (Cl. 219-34.)



1. Electric heating apparatus comprising in combination a plurality of outer metal tubes connected together to form a continuous tubular passage, a liner in said passage in the form of an insulating tube whose through-way is sub-divided longitudinally into at least two longitudinal chambers, and an electrical conductor traversing the liner from one end of said passage to the other.

1,515,262. MACHINE FOR FORMING WASHERS. AXEL H. MAGNUSON, Worcester, Mass., assignor to Decoma Leather Specialty Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 21, 1921. Serial No. 446,724. 13 Claims. (Cl. 164-12.)



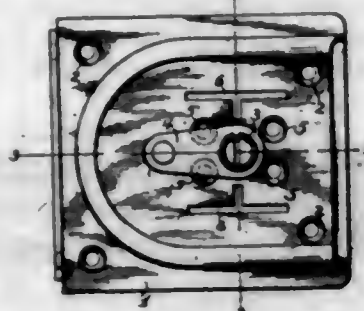
1. In a machine of the class described, the combination with a support for a sheet of material and a reciprocating tool for severing and removing a washer from said sheet, of means for stripping the washer from the tool and other means for conveying it away therefrom when the tool is in its upper position.

1,515,263. HAMMOCK. SANJIRO MATSUSAKI, Wood Fibre, Howe Sound, British Columbia, Canada. Filed June 23, 1923. Serial No. 647,352. 2 Claims. (Cl. 5-120.)



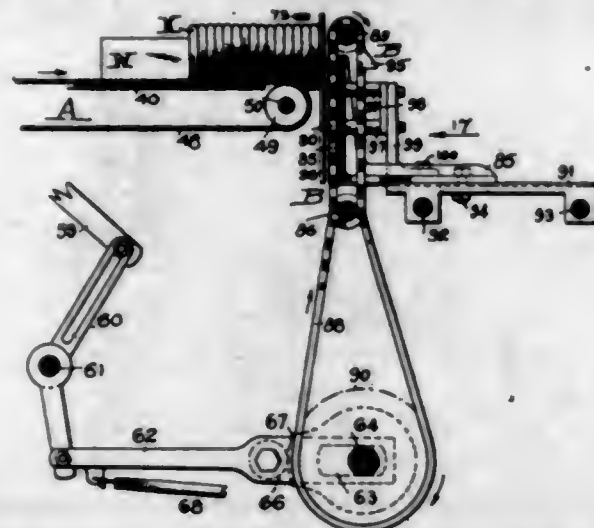
1. In a device of the class described comprising in combination with a hammock having side cords and a mesh body adapted when suspended from one end only to form a seat in the free end, of a table top having fastening means adapted to engage the mesh of the body to hold the table top in horizontal position.

1,515,264. LOCK. MAXWELL C. MAXWELL and CHARLES LEDIN, Stamford, Conn., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 14, 1923. Serial No. 657,275. 6 Claims. (Cl. 70-46.)



1. In a lock, the combination of a back or cover plate provided with a normally rigid part adapted for the reception of cylinder lock fastening means, a bolt operating member carried by said part, said part being displaceable relatively to the body of the plate by the application of force to a cylinder lock when secured thereto, to render the bolt operating member inoperable.

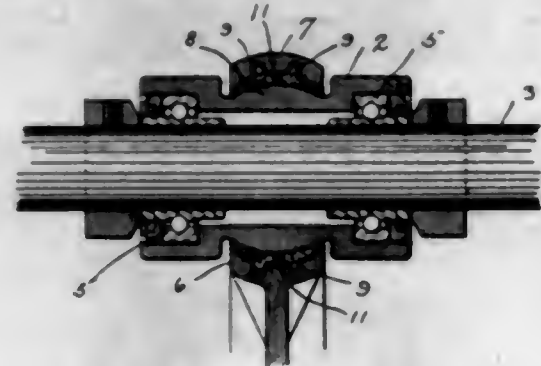
1,515,265. PASTING MACHINE. CARROLL C. MILES, South Lancaster, Mass. Filed Nov. 1, 1920. Serial No. 420,867. 13 Claims. (Cl. 91-50.)



1. In a pasting machine, a pair of spaced pasting rolls, means to adjust said rolls, to vary the distance between them, gears to drive said rolls, a rack for said gears, and means to reciprocate said rack.

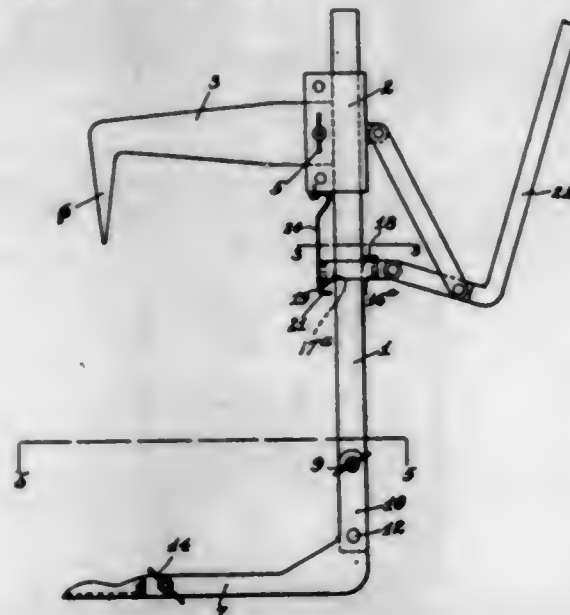
12. In a pasting machine, a pair of pasting rolls, means to rotate said rolls, a plurality of feed rolls effective to forward articles past said pasting rolls, means to drive said feed rolls, a cord conveyor positioned at right angles to said feed rolls and effective to receive and remove articles delivered thereto by said feed rolls, and a guide to direct articles from said rolls to said cord conveyor.

1,515,266. MOUNTING FOR SHAFT BEARINGS. RAYMOND C. MITCHELL, Springfield, Ohio, assignor to The Mitchell Engineering Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 554,119. 12 Claims. (Cl. 22-203.)



1. A shaft bearing wherein a bearing sleeve is mounted for limited universal adjustment within a socket member, characterized by an interlining of comparatively soft material cast in situ within the socket member, substantially as and for the purpose specified.

1,515,267. VALVE LIFTER. JAMES C. MOORE, Oakland, Calif. Filed Aug. 23, 1923. Serial No. 658,911. 2 Claims. (Cl. 29-86.3.)



1. A valve lifter comprising a post, a guiding sleeve, a supporting arm secured to said sleeve, valve gripping arms secured to said post, a collar surrounding said post, a handle pivoted to said collar, and a link pivoted to said collar and to said handle.

1,515,268. PROPELLER. GEORGE W. MORROW, San Francisco, Calif., assignor to Cloverleaf Propeller Company, San Francisco, Calif., a Corporation of California. Filed Dec. 27, 1922. Serial No. 609,179. 4 Claims. (Cl. 170-159.)

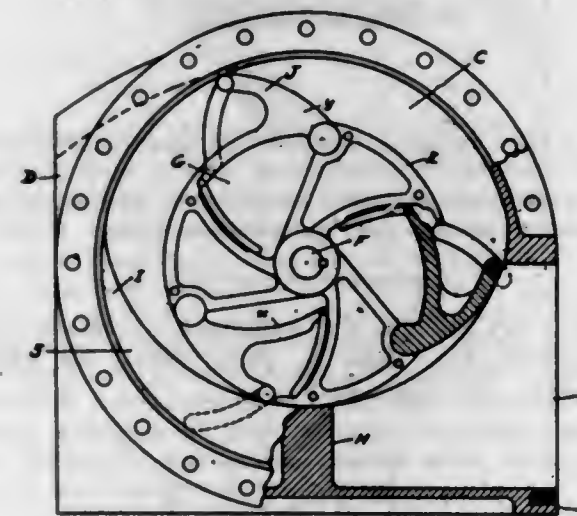
1. A screw propeller, comprising a hub, a plurality of fan-like blades disposed helically about the hub, each blade being bifurcated at its tip, with the bifurcated portions curved oppositely in a fore-and-aft direction adjacent their tips, the portion of the blade adjacent

the leading edge being substantially in the form of a standard screw-blade and the portion of the blade adjacent the following edge being curved forwardly and merging gradually into the other portion of the blade whereby to form a stream-line surface for the release of water from contact with the blade.



4. A screw propeller comprising a hub, a plurality of fan-like blades disposed helically about the hub, each blade being composed of two sections, the section toward the leading edge being wider than the other section and having its tip curved rearwardly for forward propulsion and the other wing having its tip curved forwardly for driving astern.

1,515,269. ROTARY PUMP. JOHN C. PACKARD, Denver, Colo., assignor to The Rotary Pump Company, a Corporation of Colorado. Filed Oct. 6, 1921. Serial No. 505,830. 2 Claims. (Cl. 103-140.)

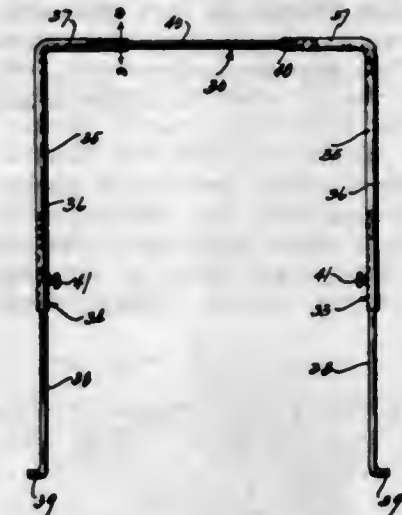


1. In a device of the character described, the combination of a casing, a rotor having peripheral pockets, abutment members pivotally mounted in said pockets and rollers, disks secured to the ends of said rotor, each of said disks being provided with journals to receive abutment pivots, and curved slots adapted to receive the ends of said rollers to maintain said rollers in their proper positions relative to the abutment members and the adjacent surfaces of the casing and rotor pockets and to limit the outward throw of said abutments beyond said pockets.

1,515,270. AWNING STRUCTURE. GEORGE F. PARKER, Macon, Ga. Filed Nov. 3, 1921. Serial No. 512,555. 5 Claims. (Cl. 156-44.)

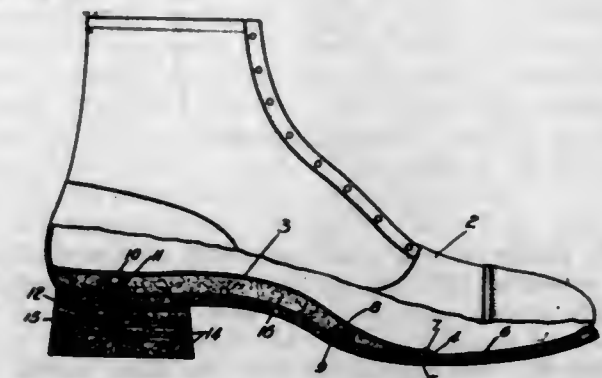
2. In an awning structure, the combination with a casing defining an opening, of a frame having side bars adjustable as to length and pivotally connected to said casing, a cross strip extending between the side bars and

adjustably connected therewith for controlling the width of the frame, a curtain connected at one end to the free end of said frame, and means connecting the opposite



end of said curtain to said casing for collapsing the same to swing said frame into folded position adjacent said casing.

1,515,271. ARCH SUPPORT. LOUIS PLATTI, Elmwood, Conn. Filed Nov. 24, 1923. Serial No. 676,678. 2 Claims. (Cl. 36-71.)



1. A shoe, a longitudinal concavo-convex support within the shoe extending from the front portion to the heel of the shoe, means comprising an abutment furnished with side lugs which engage the inner sole of the shoe and having ears cut therefrom and which overlie the front end of said support for positively holding the support against longitudinal movement, at the front end thereof, a screw extended through the rear end of the support, and a spring confined within the rear of the shoe for up-holding said screw.

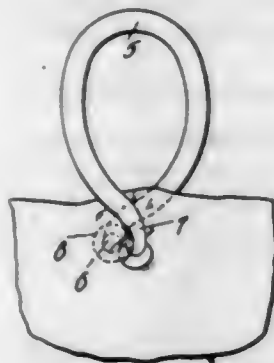
1,515,272. CHUCK FOR BIT BRACES. THOMAS PRENTICE, Southington, Conn., assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a Corporation. Filed Nov. 27, 1922. Serial No. 603,524. 2 Claims. (Cl. 279-36.)



1. As a new article of manufacture, a bit-brace having a crank, a shank having integral, external threads of larger diameter than its diameter, and a jaw-receiving slot intersecting the said threads, a jaw-operating sleeve having two sets of internal threads, one set of which engages directly with the external threads of the shank

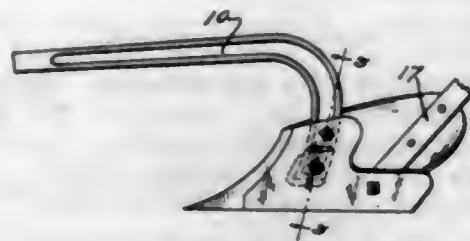
for the relative helical movement of the said shank and sleeve to which helical movement the said shank and sleeve are at all times limited, and the other set of threads being threads of finer pitch and located just within the inner end of the sleeve, jaws located in the said slot for operation by the sleeve, and a removable stop-collar having its exposed periphery milled and provided with an externally-threaded flange, the threads of which are engaged with the said threads of fine pitch located within the inner end of the sleeve and the end of which engages with the helical outer convolution of the thread of coarse pitch upon the shank, whereby the outward helical movement of the sleeve upon the shank is effectively checked without resulting wedging action.

1,515,273. TOWEL RING. FREDERICK PRICE, Scranton, Pa. Filed Sept. 24, 1923. Serial No. 664,527. 1 Claim. (Cl. 24-255.)



In a holder of the class described, a curved resilient body portion, one end of the body portion extending at right angles and provided with a head, said head adapted to cooperate with the body portion to provide a keeper for the opposite end of the body portion, and the opposite end of said body portion extending laterally and provided with a head.

1,515,274. PLOW. LEON J. FRIEBATSCH, Brookhaven, Miss. Filed Oct. 18, 1923. Serial No. 669,373. 3 Claims. (Cl. 97-107.)

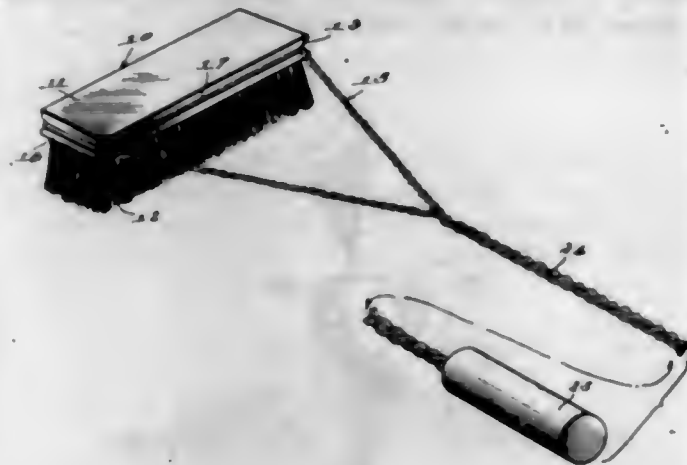


3. The combination of a plow beam, a projecting lug formed on said plow beam, a standard having a receiving portion formed therein for receiving the said lug, a bracing shoulder formed on the standard, and means for rigidly securing the plow beam to the standard.

1,515,275. WINDOW WASHER AND CLEANER. MARY JOSEPHINE PRINGLE, St. Paul, Minn. Filed Oct. 16, 1923. Serial No. 668,878. 1 Claim. (Cl. 15-114.)

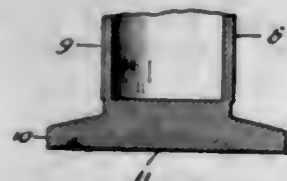
In a window cleaner, the combination with a cleaning element having a rectangular head provided at its corners with V-shaped recesses, and a combined handle and frame constructed of two pieces of resilient wire, one

piece being bent to provide side and end bars of the gripping frame, the other piece being bent to provide the other side bar of the gripping frame, said gripping



frame cooperating with the V-shaped recesses of the head, the wires being intertwined beyond the gripping frame and bent to provide a shank.

1,515,276. TAPPET. GEORGE R. RICH, Battle Creek, Mich., assignor to Rich Steel Products Company, Battle Creek, Mich., a Corporation of California. Filed Apr. 8, 1924. Serial No. 704,940. 4 Claims. (Cl. 123-90.)



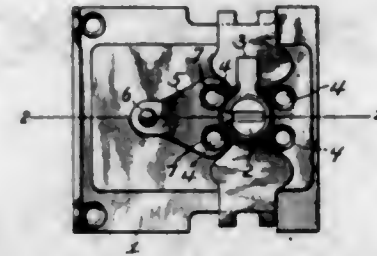
1. A tappet having a head formed with a ground bearing face adapted for engagement with a cam, said bearing face having a metallic, anti-friction surface protecting material thereon and united therewith.

1,515,277. PAPER BOX. FREDERICK J. ROOT, Cleveland, Ohio. Filed June 11, 1923. Serial No. 644,671. 2 Claims. (Cl. 229-51.)



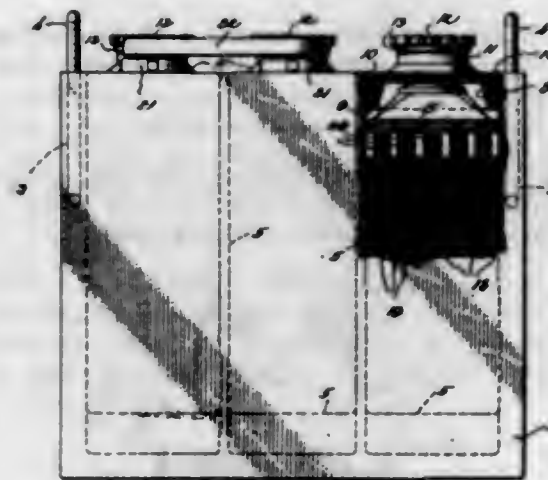
1. A paper box comprising a cylindrical body and caps on the ends thereof, the ends of the body and the rims of the caps being slitted, and an endless string extending lengthwise within the body and thru said slits and forming a handle and adapted to be pulled to rip the wall of the box lengthwise.

1,515,278. LOCK. MICHAEL F. RYAN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 14, 1923. Serial No. 657,277. 2 Claims. (Cl. 70-46.)



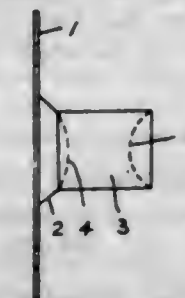
1. The combination with the back or cover plate of a rim lock adapted for the reception of securing means for a cylinder lock having a bolt operating cam, of a yielding device carried by the back or cover plate and normally tending to become disposed in the path of movement of the bolt-operating cam of the lock, and to be held out of such position when a cylinder lock is properly secured to said back or cover plate.

1,515,279. STORAGE BATTERY. JUNJIRO SATO, Detroit, Mich. Filed May 11, 1923. Serial No. 638,156. 1 Claim. (Cl. 204-29.)



An improved complete battery comprising an outer composite casing integrally partitioned to provide cells, a cover for said cells, terminals in said cover, connectors between certain of said terminals, positive and negative plates in said cells, said plates connected to respective terminals and separators between said plates, said plates and separators being enclosed solely by said outer casing and cover, and in width and combined thickness approximately filling said cells, whereby maximum dimension and cubical content of said plates with respect to the size of said battery is secured.

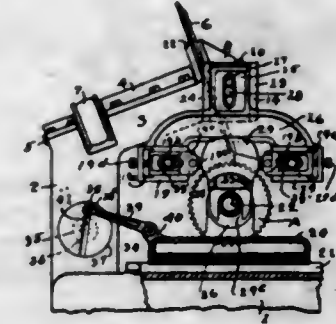
1,515,280. CHARGE-MIXING DEVICE FOR INTERNAL-COMBUSTION ENGINES. CYRIL SIVEWRIGHT SAUNDERS and WILFRED PERCIVAL CRAUFURD-LINDSAY, Arrah, British India. Filed Apr. 29, 1924. Serial No. 709,876. 1 Claim. (Cl. 48-180.)



A charge-mixing device for internal combustion engines, comprising an attaching flange, an imperforate frusto-conical collar secured thereto at its edge of larger diameter, an imperforate cylindrical metal tube secured

at its inlet end to the edge of smaller diameter of said collar, said tube adapted to project freely into the induction pipe of the engine, and a pair of concavo-convex gauze screens mounted in the tube adjacent the opposite ends thereof; said collar, owing to its frusto-conical formation, serving to compress the gaseous charge slightly as it enters the tube.

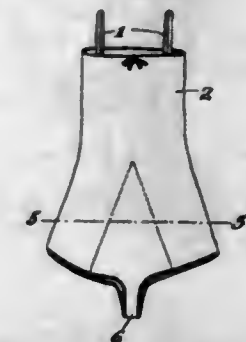
1,515,281. GEAR-GRINDING APPARATUS. CHARLES H. SCHURE, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 546,077. 18 Claims. (Cl. 51-95.)



1. In apparatus of the class described, the combination of a supporting element, a tool rotatably mounted thereon, a slide element mounted on said supporting element, a work carrying spindle rotatably mounted on said slide element, power means acting on said slide to reciprocate it, and means for oscillating said spindle during movement of said slide element, said oscillating means comprising a pair of spaced abutments carried by one of said elements and a cam device carried by the other element and co-acting with said abutments.

2. An apparatus as claimed in claim 1 in which the spaced abutments are carried by the supporting element and the cam device is carried by the slide element.

1,515,282. LADY'S UNDERGARMENT. WALTER L. SIEWERS, Winston-Salem, N. C., assignor to The Mallie Mills Company, Forsyth County, N. C., a Corporation of North Carolina. Filed June 20, 1923. Serial No. 646,636. 2 Claims. (Cl. 2-78.)

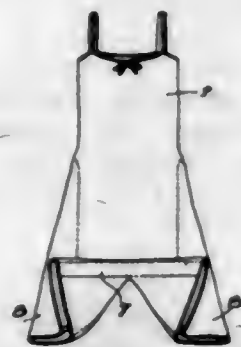


1. A garment comprising a tubular body slit longitudinally in front and back from the bottom edge upwardly, and connected arrowhead gussets inserted into the body at the said slit, the connection between the arrowheads, tying the front and back of the garment together, being relatively long and narrow, and the bottom of the garment at either side of the said connection extending upwardly away from said connection.

1,515,283. LADY'S UNDERGARMENT. WALTER L. SIEWERS, Winston-Salem, N. C., assignor to The Mallie Mills Company, Forsyth County, N. C., a Corporation of North Carolina. Filed June 20, 1923. Serial No. 646,639. 1 Claim. (Cl. 3-78.)

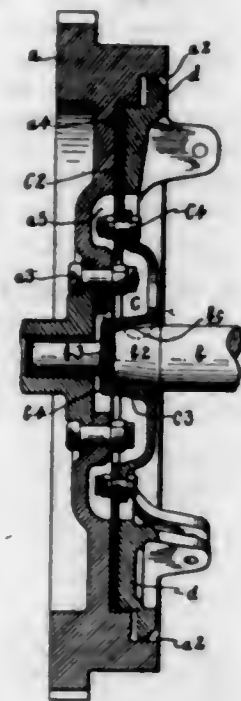
A garment comprising a tubular body split in the middle at front and back from the bottom thereof for a short distance thereabove, a folded strip of uniform width having one side edge attached to the edges of the

slit in the front of the body and having its other side edge attached to the edges of the slit in the back of the body, said strip constituting a connecting portion between the front and back of the garment body, and means



for widening the said garment body from the bottom thereof towards its top comprising triangular-shaped gussets inserted into said body at either side of said strip, said gussets having their sides sloping uniformly from the bottom to the apex.

1,515,284. CLUTCH. RODOLPHE STAHL, Detroit, Mich. Filed Aug. 14, 1922. Serial No. 581,627. 1 Claim. (Cl. 192-107.)



In an apparatus of the kind described, the combination of a driving part, a power transmission shaft, and a stamped sheet metal disk on said shaft adapted to be connected through a clamping action to said driving part, the end of said shaft being formed into a conical portion, said disk being turned inward at its center to form a conical hub adapted to fit over and engage the conical portion of said shaft and means for forcing said disk upon said shaft and securing it in position.

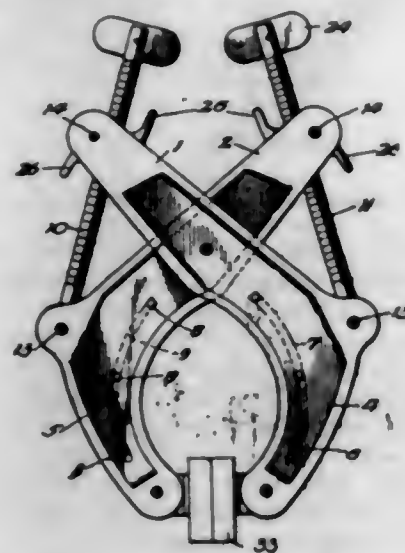
1,515,285. EQUALIZING LINK FOR ANTISKID CHAINS. HENRY ST. PIERRE, Worcester, Mass., assignor to St. Pierre Chain Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1923. Serial No. 669,812. 1 Claim. (Cl. 152-14.) The combination with a side chain for a tire, of an equalizing link permanently connected to two of the links of said chain, and a removable cross chain having an end link provided with a hook for engaging the equal-

izing link and being manufactured with a space between the end of the hook and its shank just sufficient to permit of the insertion of the equalizing link, whereby the



bending of the said hook inwardly a slight distance will prevent the disengagement of the equalizing link from the end link.

1,515,286. QUICK-ADJUSTABLE CLAMP. HENRY M. SVEBILUS, Evanston, Ill. Filed Jan. 21, 1924. Serial No. 687,575. 14 Claims. (Cl. 144-297.)

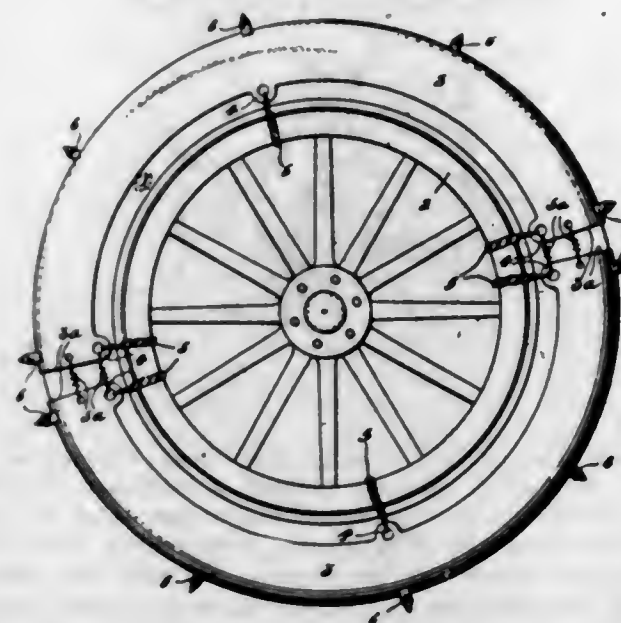


1. An adjustable clamp comprising a pair of main members pivotally connected intermediate of their ends to afford jaw arms and handle arms at respectively opposite sides of the pivotal connection, a pair of threaded thrust members each swiveled at one end to the jaw arm of one member and extending past the handle arm of the other member, and two threaded clutches movably mounted respectively on the two handle arms and each movable into and out of threaded engagement with the adjacent thrust member.

1,515,287. TIRE PROTECTOR AND ANTISKID DEVICE. MIKOLA SZPAK, Woonsocket, R. I. Filed Nov. 22, 1923. Serial No. 676,398. 5 Claims. (Cl. 152-16.)

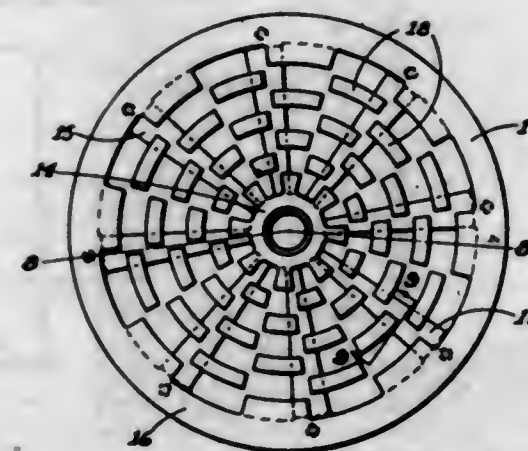
3. In a combined tire protector and antiskid device, a flexible sheath having a series of suitably spaced apertures and adapted to enclose the tread portion of a tire casing, means for connecting said sheath to the wheel, reinforcing means carried by the walls of said apertures

formed in the flexible sheaths, and anti-skid devices embodying a plurality of spurs, each having a reduced neck portion and an enlarged semispherical head at its



inner end which is provided with a roughened outer surface, said spurs being adapted to be connected to said sheath by forcing the enlarged heads through the reinforced apertures in the sheath.

1,515,288. MAGNETIC CHUCK. HOWARD E. TRACY, Worcester, Mass., assignor to O. S. Walker Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 4, 1922. Serial No. 541,047. 14 Claims. (Cl. 175-367.)

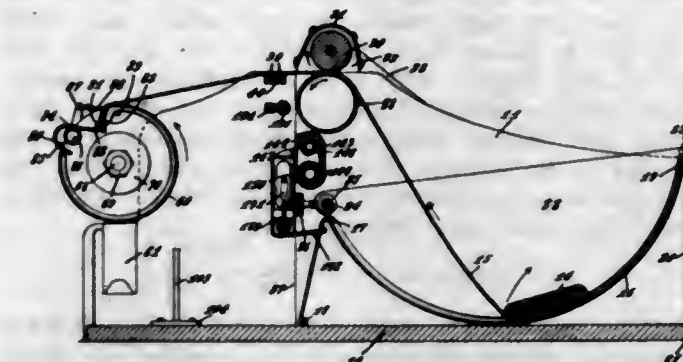


4. In a magnetic chuck, a work-holding face plate, consisting of a plurality of rows of magnetized flush surfaces, each surface being of opposite polarity from the adjacent surfaces of its row and from the corresponding surfaces in adjacent rows, the surfaces of one polarity being magnetized from a unitary frame, and the surfaces of the other polarity being magnetized from a plurality of polar sections disposed within said frame.

1,515,289. CLOTH MEASURING AND CUTTING MACHINE. JOHN THOMAS TULLIS, El Dorado, Ark. Filed July 7, 1920. Serial No. 394,557. Renewed Oct. 4, 1924. 10 Claims. (Cl. 33-131.)

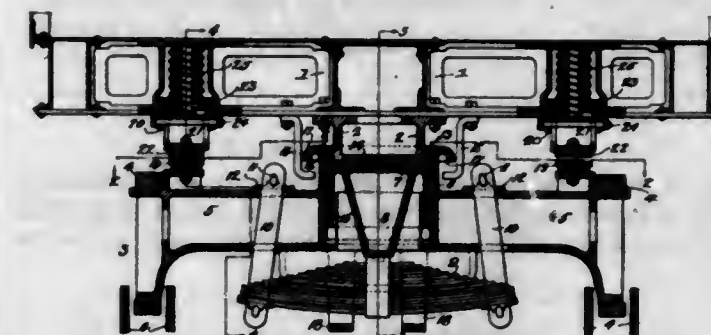
1. In a cloth measuring machine, the combination with cloth winding and measuring rollers, of a concave basket, a rod above and parallel with one side of the basket, a

segmental partition projecting into and spaced from the basket, one of the partitions being adjustable on the rod, a roller carried by the other end of the parti-



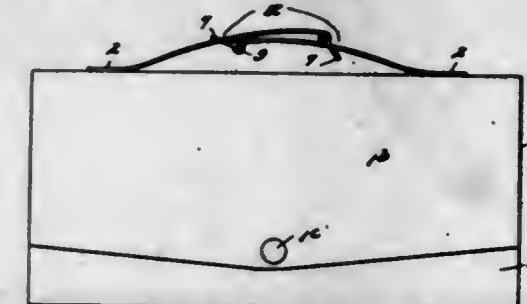
tion and movably mounted on the basket, and means for securing the partition against movement relative to the basket.

1,515,290. TRUCK STRUCTURE. ALLEN WALLACE, Moorestown, N. J., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 5, 1924. Serial No. 690,835. 4 Claims. (Cl. 105-190.)



4. The combination of a cab underframing of an electric locomotive; a center pin secured thereto; a truck having side frames and a bolster, said bolster having a cylindrical guide; a center bearing located in the guide and having a recess for the center pin, said center bearing having a depending portion; two semi-elliptical springs supporting the bearings; hangers pivotally mounted on the bolster and supporting the springs; and a casing located within the guide and forming an annular receptacle for a lubricant.

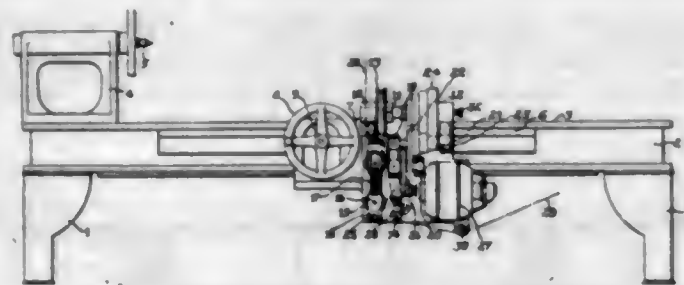
1,515,291. HANDLE. MORRIS WHITE, New York, N. Y. Filed June 6, 1924. Serial No. 718,248. 3 Claims. (Cl. 150-33.)



1. In combination an article and a handle therefor, said handle comprising two similar parts, each part comprising a strap member and a link at one end thereof, each strap member passing through the link of the other, the straps and the links being so proportioned that each strap passes freely therethrough, each strap being elastically flexible and having stiffness and tending to assume a predetermined contour, whereby the handle has a tendency to assume a position closely adjacent the article, the other end of each strap member being attached to the article, the points of attachment being spaced from

each other a distance less than the sum of the lengths of both straps, the lengths and stiffness of the straps, their freedom of passage through the links, and the distance between the points of attachment of the straps to the article, being in such relation to each other that when the handle is raised from the article for use the two parts of said handle will have a tendency to remain in such angular relation toward each other that they will not jam against each other until substantially the outermost raised position is reached, at which point the two straps assume such an angle each toward the other at their link ends that they jam.

1,515,292. MACHINE FOR BANDING ARMATURES. ROBERT J. WHITE, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1922. Serial No. 588,681. 10 Claims. (Cl. 242-8.)



1. A wire-tension device comprising a gear transmission, a tension drum and an actuating device, said drum and actuating device being connected to said transmission.

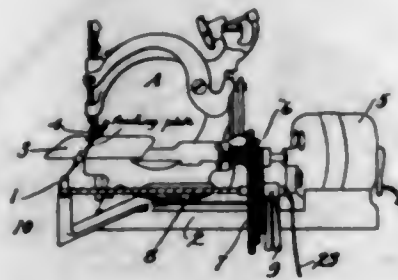
1,515,293. CORONA PROTECTION DEVICE. JOHN B. WHITEHEAD, Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 1, 1922. Serial No. 540,350. 14 Claims. (Cl. 175-30.)



3. A protective device for high-tension cables comprising a radial projecting member to facilitate corona discharge and means for holding the same in contact with said cable.

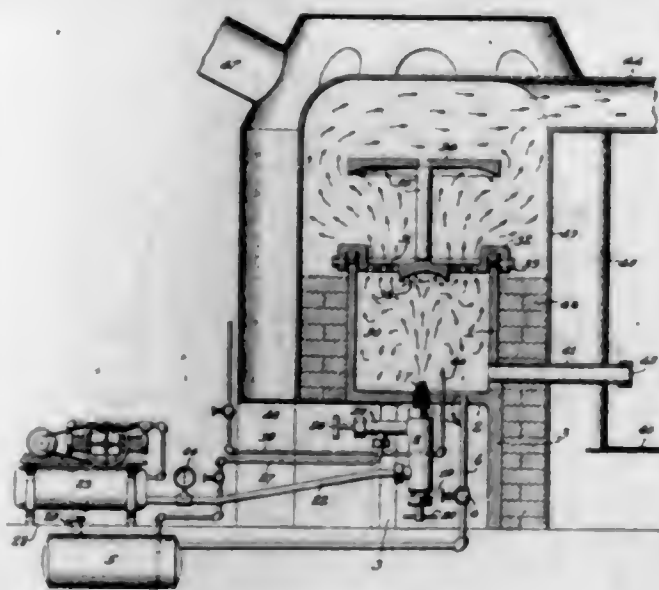
14. A protective device for high-tension cables comprising a plurality of sets of studs and a plurality of spaced spring clips having openings in the ends thereof in which said studs are located, the heads of said studs being held in contact with said cable by the spring action of said clips, said clips being spaced apart along said cable and being circumferentially disposed to ensure a staggered relation of said studs longitudinally of said cable.

1,515,294. WINDING ATTACHMENT FOR SEWING MACHINES. MAX ALDERMAN, Napa, and GEORGE H. EDWARDS, Mill Valley, Calif. Filed Oct. 12, 1921. Serial No. 507,248. 1 Claim. (Cl. 112-2.)



An attachment for sewing machines, comprising a bracket secured to the base thereof, a stationary hollow sleeve secured in the bracket, a pulley journaled on and rotatable about the said sleeve, a relatively thin flat guiding arm projecting horizontally through the sleeve with its broader side face extending in a vertical plane and having one end projecting therefrom, means for guiding a tape through the sleeve in a vertical position with its flat side face adjacent the inner flat side of the guiding arm, and means for winding a strand of material about the tape.

1,515,295. HYDROCARBON BURNER. MICHAEL BOGRE, Detroit, Mich. Filed Aug. 17, 1922. Serial No. 582,331. 1 Claim. (Cl. 158-4.)

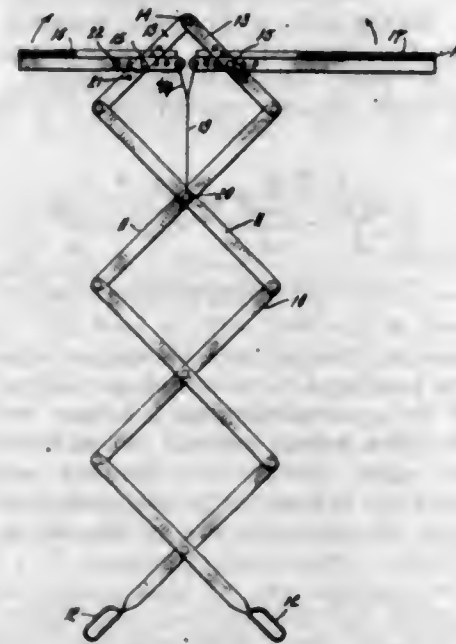


A burner comprising a casing affording a combustion chamber in which a mass of fire may be maintained, fuel supply means connected to said casing, a burner plate mounted on the upper edges of said casing and provided with circumferentially disposed tapered flame orifices, and deflectors above and below said burner plate.

1,515,296. MECHANICAL INSECT TRAP. JULIUS C. CHRISTIANSEN, New York, N. Y. Filed June 13, 1921. Serial No. 477,157. 3 Claims. (Cl. 43-184.)

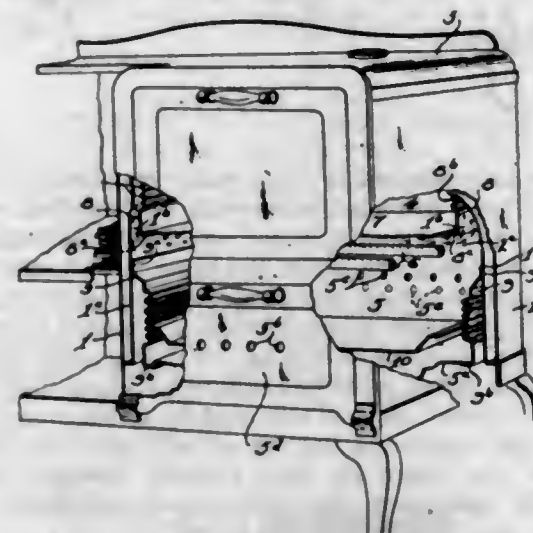
3. A fly trap comprising a support in the form of a lazy-tong construction provided upon one of its ends with handle members, two links pivoted together and

joined with the other end of said support, a fabric covered frame pivoted to each of said links, a flexible connection between said frames, and a flexible connection



between said first mentioned flexible connection and the pivot pin passing through the middle portions of the outermost levers of said lazy-tong construction.

1,515,297. STOVE. ROSS C. COOK, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a Corporation of Ohio. Filed Oct. 8, 1923. Serial No. 667,117. 5 Claims. (Cl. 126-39.)

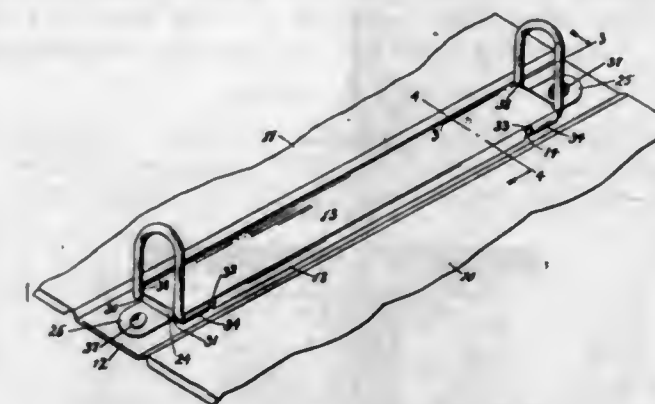


1. In an oven structure, including baker and broiler ovens and spaced lining walls, supplemental side liner walls, some of said supplemental side liner walls forming lateral flues at the opposite sides of said baker oven and extending into communication with said broiler oven, and the other side lining walls being imperforate throughout and closed at their tops by direct attachment to the lining walls at the sides of said broiler oven preventing the entrance and circulation of secondary air into and along the sides of said broiler oven, a heating unit between said lateral flues below said baker oven, and secondary air supplies leading from the front and rear to the front and rear sides of said heating unit.

1,515,298. LOOSE-LEAF BINDER. JAMES C. DAWSON, Webster Groves, Mo., assignor to Elma N. Dawson, Webster Groves, Mo. Filed Mar. 21, 1924. Serial No. 700,811. 3 Claims. (Cl. 129-24.)

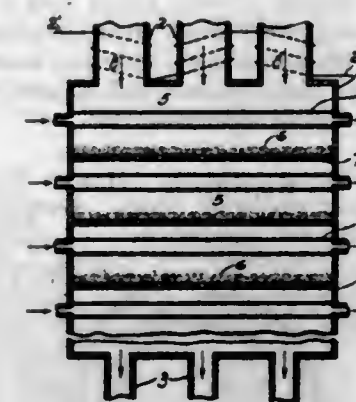
1. A temporary binder comprising side covers and a connecting back portion, a sheet metal base fixed to the back portion, including flanges extending downwardly from the sides of the base, a tab including a downwardly

extending portion at one end of the base, having its edges spaced from the flanges, a rock shaft journaled between one of the flanges and the edge of the down-



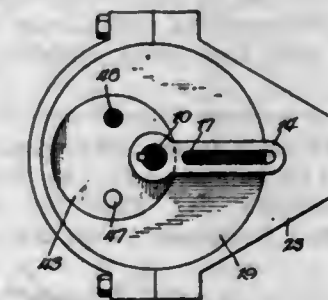
wardly extending portion of the tab, and a hook carried by the rock shaft having a catch for engagement with the base adjacent to the opposite side.

1,515,299. PROCESS AND APPARATUS FOR CATALYTIC OXIDATION. CHARLES R. DOWNS and CHARLES G. STUPP, Cliffside, N. J., assignors to The Barrett Company, a Corporation of New Jersey. Filed Dec. 7, 1918. Serial No. 265,777. 4 Claims. (Cl. 260-108.)



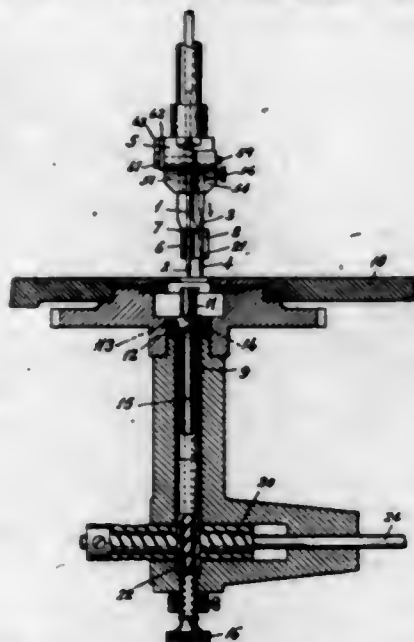
1. The process of producing maleic acid which comprises raising the vapor of benzene mixed with an oxygen containing gas to a temperature of approximately 400° C., passing the mixture into contact with vanadium oxide as a catalyst, permitting the temperature to rise about 50° C. and then passing said mixture into contact with a cooling surface.

1,515,300. POWER TRANSMISSION. JOHN FERRIS, Chicago, Ill. Filed Oct. 4, 1922. Serial No. 592,192. 5 Claims. (Cl. 74-1.)



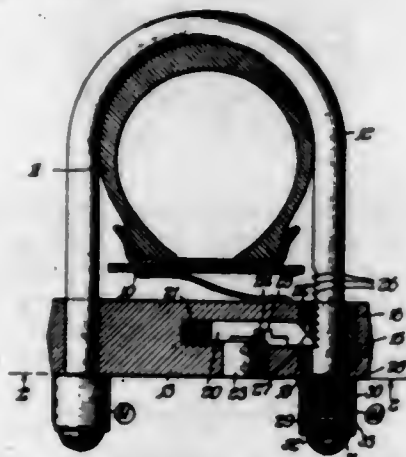
1. The combination of a driving shaft, a plurality of inner eccentrics journaled on said shaft, an outer eccentric journaled on each inner eccentric and secured to the shaft to rotate therewith, means for operatively connecting all the inner eccentrics, and means for rotating the inner eccentrics.

1,515,301. MECHANISM FOR EMBROIDERY STITCHING. JOHN FINK, New York, N. Y. Filed Mar. 30, 1920. Serial No. 369,832. 5 Claims. (Cl. 112-202.)



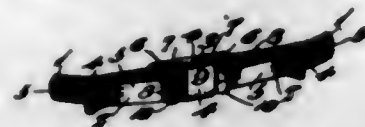
2. In an embroidery machine, the combination of a hooked needle and an eye-pointed needle held side by side and adapted to be reciprocated vertically to form a thread loop, and a looper arranged to rotate upon a vertical axis, said looper comprising a hollow, cylindrical shank having an axial bore of unbroken continuity throughout the length of said shank and a hook at the upper edge thereof, said hook being arranged to engage the thread loop, draw out said loop and finally to engage the loop with the hook of the hook needle, substantially as and for the purpose described.

1,515,302. LOCKING MEANS. HARRY F. GEORGE, Chicago, Ill. Filed May 24, 1922. Serial No. 563,291. 13 Claims. (Cl. 70-108.)



1. Locking means comprising a shackle having two parallel legs, closure means having swinging engagement with one of said legs, said closure means being provided with a bushing mounted in said closure means for controlling swinging movement of said closure means relative to said shackle, said legs being slidable through said closure means.

1,515,303. NECKWEAR CLIP. WILLIAM H. HART, Jr., deceased, late of Philadelphia, Pa.; by William B. Hart, executor, Philadelphia, Pa. Filed Oct. 25, 1923. Serial No. 670,660. 3 Claims. (Cl. 24-49.)



1. A neckwear clip consisting of separate opposite resilient members formed of limbs adapted to receive between them the front edge portions of a collar and frictionally embrace the same, a central joint piece having thereon eyes on which said members are each articu-

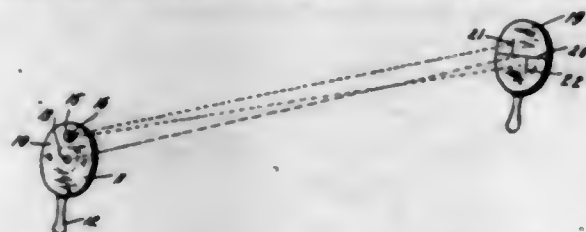
lately mounted and means upon said joint piece adapted to control said members from motion towards each other and displacement from their operative positions.

1,515,304. HOOK-AND-EYE ATTACHMENT. WILLIAM H. HART, Jr., deceased, late of Philadelphia, Pa.; by William B. Hart, executor, Philadelphia, Pa. Filed Nov. 26, 1923. Serial No. 676,896. 1 Claim. (Cl. 24-228.)



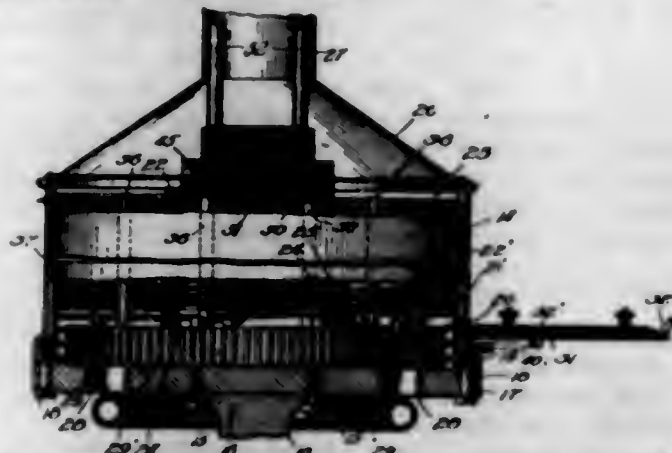
As a new article of manufacture, a band-necktie one end of which is provided with a hook and the opposite end of which is provided with an eye, of which the hook is shaped by bending a wire to form a combined hook and loop which latter terminates in a single, central pin, a necktie end being passed entirely through said loop and folded over upon itself, and through which folded over part said pin is inserted to hold said folded tie parts together, and of which the eye is shaped by bending a wire loop-fashion which loop terminates in a single, central pin, the opposite end of said necktie being passed entirely through the said eye-loop and folded over upon itself, and through which foldedover part said last mentioned pin is inserted to hold said last mentioned folded tie parts together.

1,515,305. EYE-TESTING APPARATUS. EDWARD T. HARTINGER, New York, N. Y. Filed Jan. 28, 1921. Serial No. 440,666. 1 Claim. (Cl. 88-20.)



A distance measuring apparatus including a target having marked thereon a horizontal line and two vertical lines spaced apart and disposed one above said horizontal line and the other one below the same, a disk shiftable in relation to said target provided with an aperture, and a transparent triangular geometrical prism fixed to said disk and having its apex bisecting vertically said aperture, whereby the image of one of said two vertical lines, simultaneously viewed, may be obtained by direct rays passing through the uncovered portion of said aperture and the image of the other by rays passing through and refracted by said prism, for the purpose set forth.

1,515,306. DRYING MACHINE. GUSTAV W. HEDSTROM, Chicago, Ill., assignor, by direct and mesne assignments, to American Can Company, a Corporation of New Jersey. Filed Dec. 8, 1922. Serial No. 605,613. 8 Claims. (Cl. 198-213.)



1. A drying machine for the purpose set forth having an annular drying chamber, and having means to advance therethrough can ends in revolving vertical stacks with

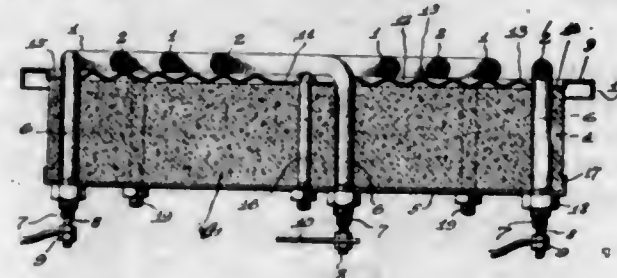
the ends in each stack spaced from each other, and a fixed discharge chute provided at its bottom with means to skim the can ends from the tops of said stacks as the latter revolve thereunder.

1,515,307. AUTOMOBILE SIDE BUMPER. WILLIAM R. MCGOWEN, Pittsburgh, Pa. Filed July 2, 1924. Serial No. 723,637. 6 Claims. (Cl. 293-57.)



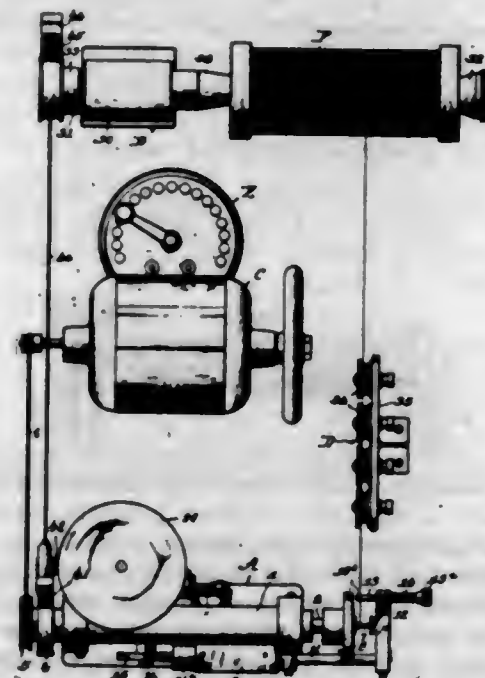
1. A bumper comprising an impact member extending parallel with and spaced from a supporting member and consisting of bars overlapping throughout the central portion of said impact member and having end portions adapted to be attached to said supporting member, one of said bars having an offset portion extending toward and adapted for contact with said supporting member.

1,515,308. ELECTRIC HEATING DEVICE. HENRY C. MAUL, Detroit, Mich., assignor to The Michigan Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 19, 1923. Serial No. 625,977. 14 Claims. (Cl. 219-37.)



1. In a heating device, a one piece supporting member corrugated to provide circumferential ridges, and a heating element resting on the ridges of said supporting member and having ends extending downwardly through said supporting member.

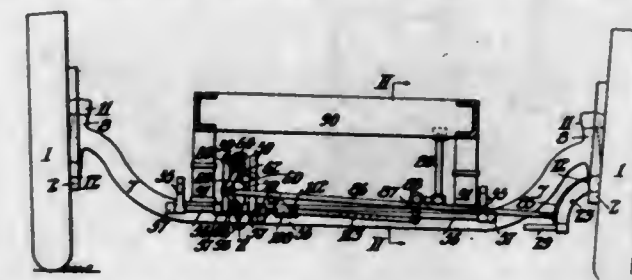
1,515,309. WIRE-WINDING MACHINE. WILLIAM O. MEISSNER, Chicago, Ill., assignor to Meissner Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 10, 1922. Serial No. 580,833. 4 Claims. (Cl. 242-9.)



1. A winding machine comprising a spindle, a brake adapted to act on said spindle, tension means for holding said brake in braking position and means for normally

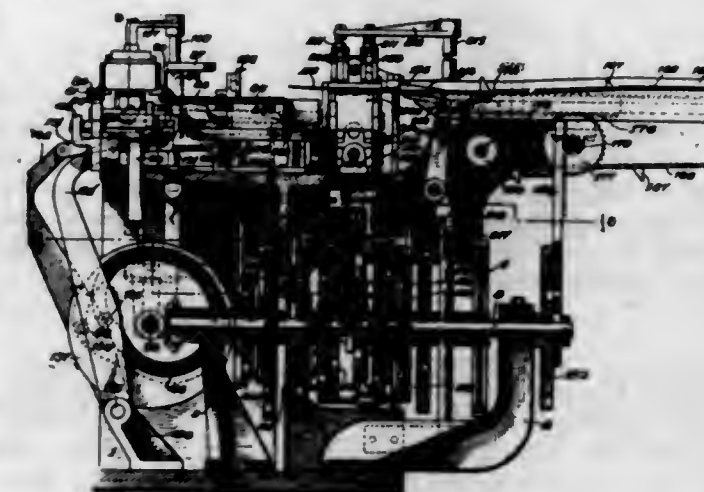
holding said brake out of said braking position comprising a disc in driving connection with said spindle, a spring arm carried by said brake and normally positioned to frictionally engage said disc, and a trip member carried by said disc for displacing said spring arm from engagement with said disc to release said brake.

1,515,310. VEHICLE BRAKE MECHANISM. JOHN WARREN MILLARD, Upper Darby, Pa. Filed June 20, 1924. Serial No. 721,153. 20 Claims. (Cl. 188-194.)



20. In vehicle brake mechanism, the combination with a pair of road wheels; of respective brake mechanisms for said wheels; a pair of tappet levers, respectively operatively connected with said wheel brake mechanisms; a pivoted cross head, in variable cooperative relation with both said tappet levers; and operating means connected to said cross head and arranged to operate it and thereby apply said brakes to both wheels, contemporaneously.

1,515,311. WRAPPING MACHINE. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1919. Serial No. 286,345. 40 Claims. (Cl. 93-2.)

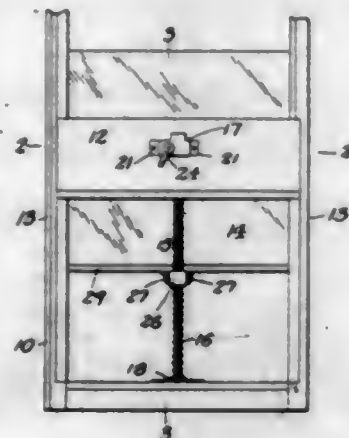


14. In a wrapping machine, means for folding a wrapper about the corner of an article formed by two adjacent faces thereof, means for folding a projecting portion of said wrapper against a third face of said article which meets the two faces previously engaged by said wrapper, said last-mentioned folding means being provided with an opening for receiving the corner flap formed by said folding operation, and means for moving said article relative to said opening to fold said corner flap against the face of said article.

1,515,312. WINDOW-OPERATING DEVICE. LOUIS H. MORIN, New York, N. Y., assignor to Soss Manufacturing Co., Brooklyn, N. Y., a Corporation of Maine. Filed Oct. 22, 1921. Serial No. 509,663. 3 Claims. (Cl. 268-4.)

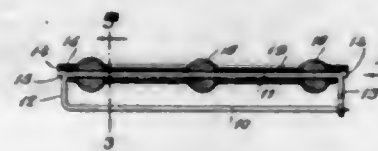
1. A window operating device of the class described comprising a rotatable screw shaft the threads of which extend from one end portion of said shaft to the other, means for supporting said shaft, a gear mounted transversely of one end portion of said shaft, the teeth of said gear meshing directly with the teeth of said shaft, means

for rotating said gear to impart rotary movement to said screw shaft, and means engaging the thread of said screw shaft and mounted in connection with the



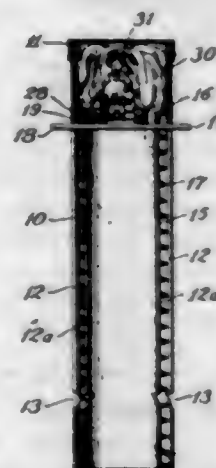
window to be operated whereby the rotation of said shaft will move said last named means longitudinally thereof.

1,515,313. BROOCH OR THE LIKE. JOSEF PEJCHAR, Brooklyn, N. Y. Filed Apr. 17, 1922. Serial No. 554,071. 4 Claims. (Cl. 63-20.)



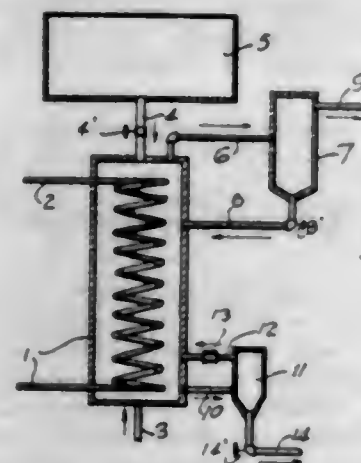
4. A pin having two substantially parallel members connected at one end, a keeper projected from one end of one of said members and adapted to receive the free end of the other member, a tubular member mounted on the pin member from which the keeper projects, and means on said tubular member for preventing the pin from turning relatively to said tubular member.

1,515,314. TOY. SVEND PETERSEN, Detroit, Mich. Filed May 7, 1924. Serial No. 711,344. 2 Claims. (Cl. 244-21.)



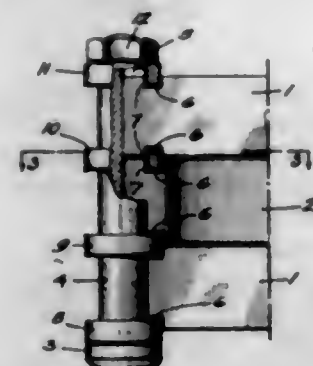
1. A device of the character described, in combination, a double tube, a coiled spring inserted between said tubes, means for compressing said coiled spring, and a gondola attached to a parachute, said gondola and parachute, when collapsed, being adapted to slide loosely into the upper part of said tubes, as specified.

1,515,315. PROCESS OF PRODUCING RESIN. ALFRED E. ROBERTS, Cornwells Heights, Pa., assignor to The Barrett Company, a Corporation of New Jersey. Filed Mar. 24, 1921. Serial No. 455,295. 9 Claims. (Cl. 260-7.)



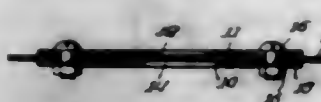
6. The process of polymerization which comprises mixing naphtha containing polymerizable constituent, with sulfuric acid so that the weight of the sulfuric acid in the system at any instant is more than 10 times the weight of the polymerizable constituents in the said naphtha.

1,515,316. JOINT FOR BUMPER BARS. JAMES W. SNEDEKER, Adrian, Mich., assignor to Page Steel and Wire Company, Adrian, Mich., a Corporation of New Jersey. Filed Apr. 18, 1924. Serial No. 707,351. 8 Claims. (Cl. 293-55.)



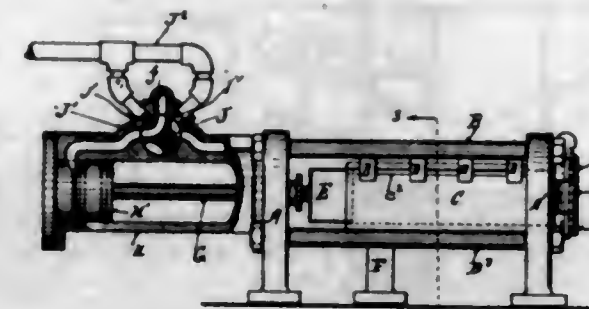
8. A joint for bumper bars comprising a pin, a plurality of bars arranged with their ends in proximity to each other, the edges of said ends being provided with shoulders, and rings on said pin adapted to engage said shoulders.

1,515,317. HOLE CLOSURE. HENRY F. STARRETT, Chicago, Ill., assignor to Starrett Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 30, 1920. Serial No. 434,168. 4 Claims. (Cl. 297-17.)



1. In a device of the character described, the combination with a wall of a cabinet provided with a conduit hole, a knock-out plate having a knock-out portion of a diameter less than the diameter of the hole in said wall positioned in front of said hole, and a reducing plate having a hole of a diameter intermediate between said knock-out portion and said hole in said wall positioned in back of said hole in said wall, common means for removably securing said plates to said wall whereby the conduit hole may be adapted to any desired size of conduit by the removal of the required plate or plates.

1,515,318. APPARATUS FOR COMPRESSING SCRAP METAL. LOUIS S. TENNERBAUM and ISADOR FREITAG, Erie, Pa. Filed Oct. 8, 1923. Serial No. 667,421. 2 Claims. (Cl. 78-42.)



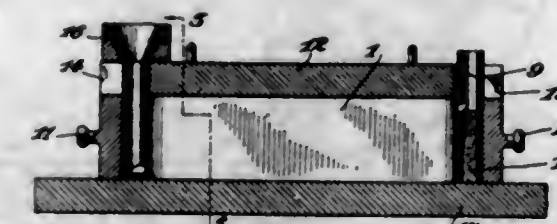
1. In an apparatus of the class described, a frame, a mould box, a cover plate hinged to one side of said box, an outturned flange along the upper edge of one of the side plates of said box, latches pivoted on said cover plate adjacent to the free edge thereof and adapted to engage said flange, a door secured on said frame adapted to close one end of said box, a plunger to close the opposite end of said box, and cylinder and piston mechanism to operate said plunger.

1,515,319. INGOT MOLD AND METHOD OF CASTING. EDWARD H. WILLIAMS, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Dec. 30, 1920. Serial No. 433,966. 33 Claims. (Cl. 22-142.)



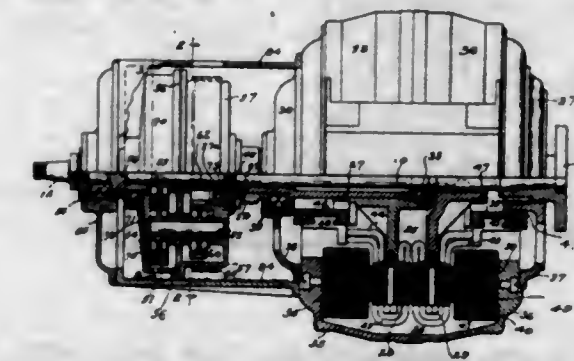
1. The method of casting steel ingots and the like which comprises superimposing a plurality of ingot molds one directly over another in a single stack and simultaneously supplying all of said ingot molds with molten steel from a single source of supply.

1,515,320. INGOT MOLD. ALBERT E. ABEL, Sharpsville, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Dec. 30, 1920. Serial No. 433,978. Renewed Apr. 5, 1924. 15 Claims. (Cl. 22-143.)



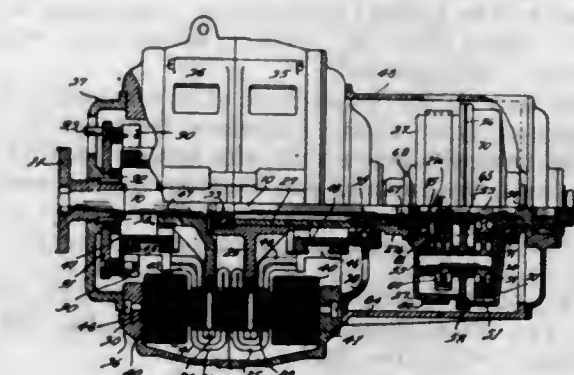
1. An ingot mold comprising in combination a body portion, a cover for said body portion and provided with a notch to receive a runner tile, said body portion being provided in the end thereof with a channel adapted to receive a runner tile in such manner that the walls of the channel support the runner tile, a runner tile in said channel and extending through said cover, and the inner facing of the runner tile comprises a portion of the matrix wall.

1,515,321. ELECTROMAGNETIC TRANSMISSION MECHANISM. CHARLES E. F. AHLN, Cleveland Heights, and HARRY Y. HALL, Cleveland, Ohio, assignors of one-half to William A. Neracher, Warren, Ohio, and one-half to Alfred Fritzsche, Cleveland, Ohio. Filed Nov. 30, 1920. Serial No. 427,364. 46 Claims. (Cl. 172-239.)



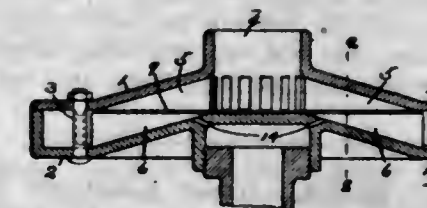
17. The combination with a driven member, of a pair of armatures, planetary gearing connecting such three members, and a field structure on opposite sides of the two armatures and common to both of them.

1,515,322. CONTROLLING SYSTEM FOR ELECTROMAGNETIC TRANSMISSION MECHANISM. CHARLES E. F. AHLN, Cleveland Heights, Ohio, assignor of one-half to Wm. A. Neracher, Warren, Ohio, and one-half to Alfred Fritzsche, Cleveland, Ohio. Filed Aug. 24, 1921. Serial No. 495,064. 20 Claims. (Cl. 172-239.)



3. The combination of a driving member, a primary armature rotating therewith, a driven member, a secondary armature, planetary gearing having three members mounted coaxially and rotating with the driving member, the driven member and the secondary armature respectively, and having planet members mounted in a revoluble planetary carrier, stationary brushes for the secondary armature and shiftable brushes for the primary armature, and means for shifting the brushes of the primary armature.

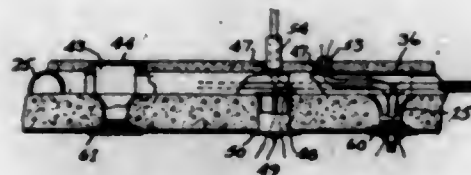
1,515,323. MUFFLER. HALVOR ANDRESEN, New York, N. Y., assignor to The Vacuum Muffler Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1920. Serial No. 426,198. 6 Claims. (Cl. 137-160.)



1. A muffler comprising a member, a set of spaced ribs carried thereby, a second member, and a set of spaced ribs carried by the second member, the first member and

its ribs being superimposed upon the second member and its ribs and spaced therefrom with the ribs carried by one member offset relatively to the ribs carried by the other member.

1,515,324. ELECTRICAL DISTRIBUTION. HARRY S. ARNOLD, Brooklyn, and RAY C. WILSON, New York, N. Y. Filed Dec. 29, 1923. Serial No. 683,307. 16 Claims. (Cl. 247-3.)

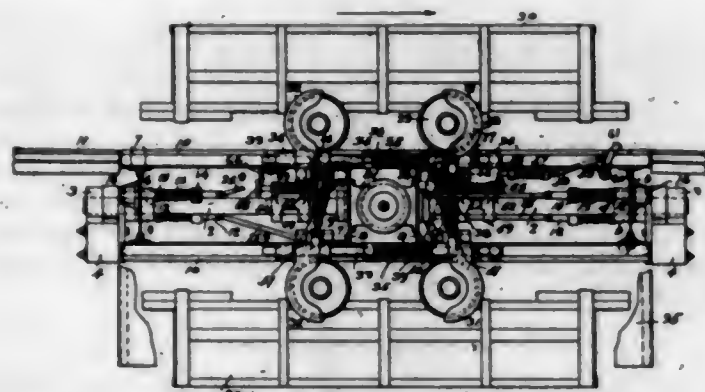


13. A flexible combined ceiling and floor outlet electrical distribution system comprising in combination with a ceiling and floor slab having a continuous over-size wire raceway therein, accessible throughout its length from both the floor and the ceiling side of the slab to enable its being tapped at any points in its length from either the ceiling or the floor and having at predetermined points therein outlets to the floor and outlets to the ceiling whereby circuit wires may be fished through said raceway either from above or from below to the points at which the raceway may be tapped.

1,515,325. PROCESS OF PRODUCING ANTHRAQUINONE. GEORGE C. BAILEY, Woodcliff-on-Hudson, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Feb. 8, 1921. Serial No. 443,433. 5 Claims. (Cl. 260-57.)

1. That step in the production of a compound of the anthraquinone type which comprises treating the corresponding benzoyl-benzole acid with strong sulfuric acid at an elevated temperature and introducing the products into hot water.

1,515,326. CAR DUMP. VERNOR T. BARKLEY, Pittsburgh, Pa. Filed June 30, 1920. Serial No. 392,971. 17 Claims. (Cl. 214-52.)

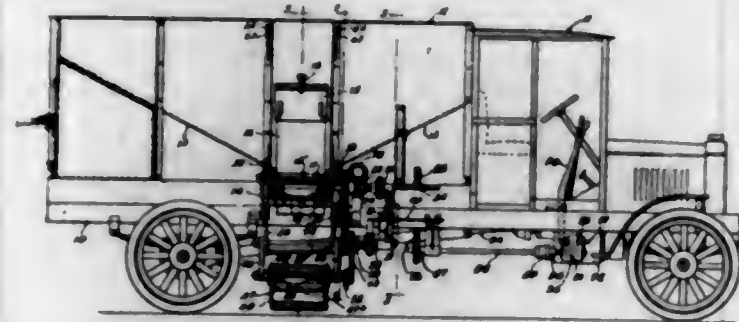


1. Car dumping apparatus comprising a shaft, a car support loosely mounted on the said shaft, and automatically releasable means controlled by movement of a car to said support for holding the said support in car-receiving position, the said support being adapted, when released, to rotate by gravity from its car-receiving position.

1,515,327. TRUCK. HENRY BARKMANN and ALOIS KUTSCHA, Chicago, Ill. Filed Dec. 22, 1923. Serial No. 682,160. 14 Claims. (Cl. 214-83.)

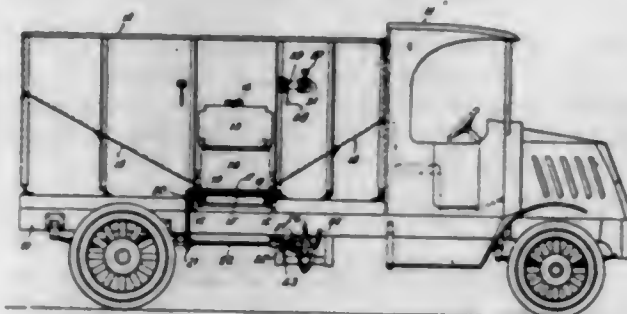
1. A truck body comprising a bottom and longitudinal sides, each of said sides having a single discharge opening therein, said bottom having a portion in, aline-

ment with said openings, a drag conveyor traveling thereover and arranged transversely of the body to convey material therein to either of said openings and the



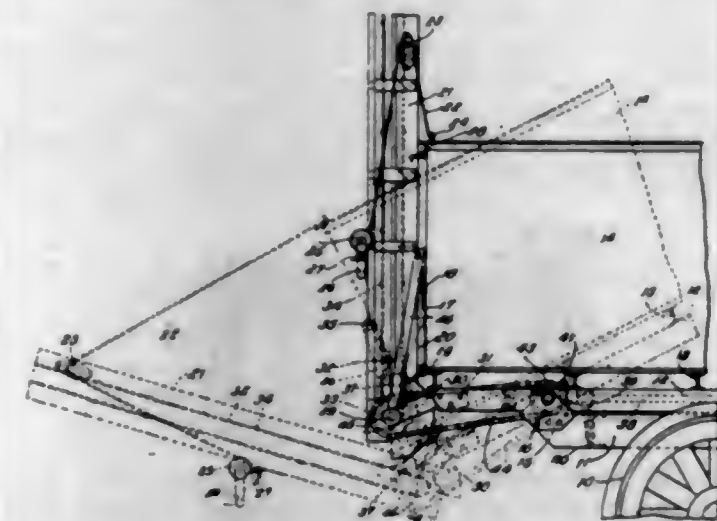
entire remainder of said bottom extending downwardly to said first-named portion to direct all the material in said body to said conveyor.

1,515,328. TRUCK. HENRY BARKMANN and ALOIS KUTSCHA, Chicago, Ill. Filed Jan. 2, 1923. Serial No. 610,271. 14 Claims. (Cl. 214-83.)



1. A truck body comprising a bottom and longitudinal sides, one of said sides having a single discharge opening therein, said bottom having a portion in alignment with said opening, a drag conveyor traveling thereover and arranged transversely of the body to convey material therein to said opening and the entire remainder of said bottom extending downwardly to said first-named portion to direct all the material in said body to said conveyor.

1,515,329. TRUCK. HENRY BARKMANN and ALOIS KUTSCHA, Chicago, Ill. Filed July 13, 1922. Serial No. 547,752. 12 Claims. (Cl. 214-83.)



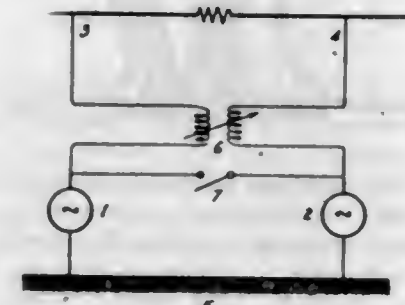
1. In a truck, the combination of a chassis, a body pivotally mounted thereon, a conveyor mounted on the body, a power shaft on the chassis, and means operatively connecting said power shaft and said conveyor, the means being adapted to swing with the body about the pivotal axis thereof.

1,515,330. SOCKET PLATE FOR SHOES. GEORGE BELL, Glasgow, Scotland, assignor to Bell's (Glasgow) Limited, Glasgow, Scotland. Filed July 27, 1922. Serial No. 577,850. 4 Claims. (Cl. 36-66.)



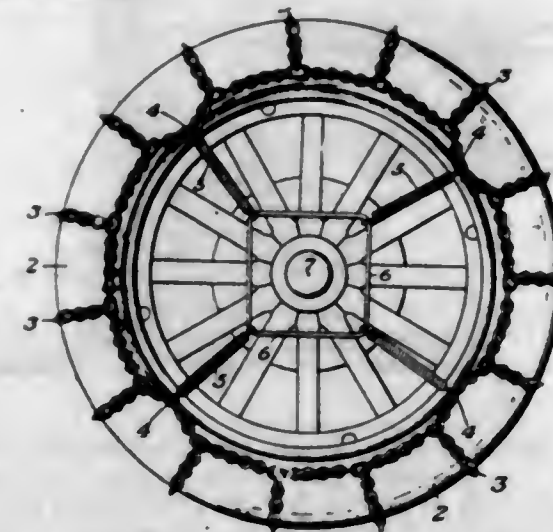
1. A socket plate for boots and shoes adapted to receive screwed studs, spikes and the like, comprising a thin sheet metal sole plate formed with slots, and a separate tubular screwed socket rigidly attached to the plate, said socket having split end portions inserted through said slots and bent back against the plate, and the screw of the socket extending right up to the plate.

1,515,331. RADIO-TRANSMISSION SYSTEM. JOSEPH BETHENOD, Paris, France. Filed Aug. 2, 1921. Serial No. 489,305. Renewed Mar. 5, 1924. 9 Claims. (Cl. 250-17.)



1. In a radio telegraphic transmission system, an aerial divided into two separate sections, two separate generators, and a transformer having a winding in each of said sections for compensating for induction between said sections.

1,515,332. TRACTION-CHAIN ADJUSTER. EARL H. BISHOP, Butler, Pa., assignor to Daubenspeck Chain Company, Butler, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1923. Serial No. 680,870. 12 Claims. (Cl. 152-14.)

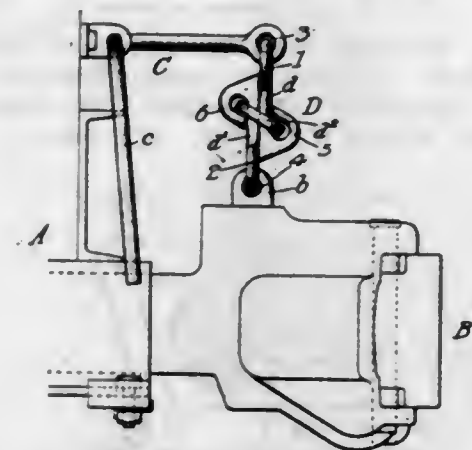


12. An adjuster for wheel chains, including a square frame formed of a continuous piece of metal rod, and tension springs slidably mounted thereon adapted to be stretched and fastened to the wheel chain, the springs having hooks at the remote ends thereof for fastening to the wheel chain, the springs being slightly shorter than the width of the square frame and adapted to be slipped to one side of such frame and have the hooks fastened over the opposite side to hold the springs tightly when the adjuster is not in use, substantially as described.

1,515,333. METHOD OF MAKING CARBON BLACK. ALEXANDER BONNINGTON, South Charleston, W. Va., assignor to William H. Davis, Charleston, W. Va. Filed Aug. 25, 1922. Serial No. 584,275. 6 Claims. (Cl. 134-60.)

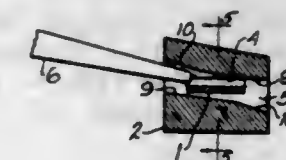
2. In the process of making carbon black, the step which consists in controlling combustion between a substance, including carbon in its composition and capable of yielding carbon black upon incomplete combustion thereof, and atmospheric air by effecting the combustion in the presence of a gaseous substance which of itself is incapable of supporting combustion of the substance so treated, the proportion of the gaseous substance being insufficient to prevent the uninterrupted combustion of such substance so treated and yet sufficient to substantially effect a partial smothering action.

1,515,334. UNCOUPLING DEVICE FOR CAR COUPLERS. CHARLES W. BOOTH, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,050. 4 Claims. (Cl. 213-166.)



1. A link adapted for connecting the operating lever of a car coupler with the locking member thereof, comprising two link members and a member which connects said link members together in overlapped position, said connecting member being pivoted to said link members, the relation being such that said link members will be movable endwise relative to each other.

1,515,335. FORM CLAMP. GEORGE B. BOSCO, Chicago, Ill. Filed Mar. 3, 1924. Serial No. 696,605. 6 Claims. (Cl. 24-19.)

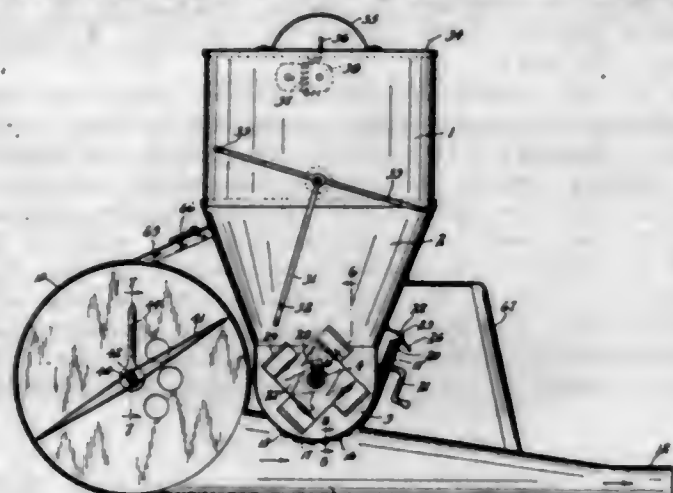


1. In a device of the class described comprising a collar having a pair of intersecting slots extending there-through, one of said slots being adapted to receive a tie band, the other slot having opposite sides thereof inclined with respect to said one slot and the openings at both extremities thereof being of substantially similar size and shape whereby the same wedge may be inserted through either end of said other slot for clamping the tie band to said collar.

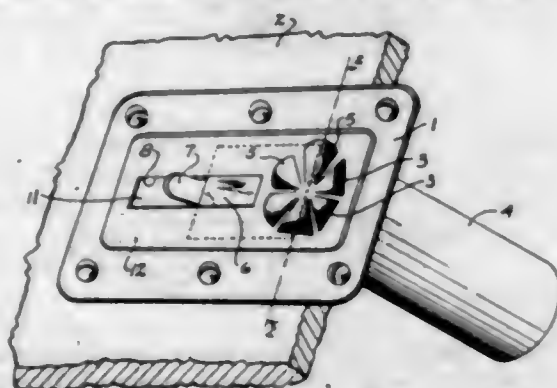
1,515,336. DUSTER. HENRY E. BRANDT, North St. Paul, Minn., assignor to The Dobbins Manufacturing Company, North St. Paul, Minn., a Corporation of South Dakota. Filed June 13, 1923. Serial No. 645,196. 9 Claims. (Cl. 221-120.)

1. A dusting device having in combination, a receptacle for holding the material to be distributed, a revo-

luble agitator in said receptacle mounted to rotate on a horizontal axis, an oscillating ball mounted on a horizontal axis above said agitator and adapted to swing across the top of said agitator, and means for revolving said agitator and for swinging said ball across the same.

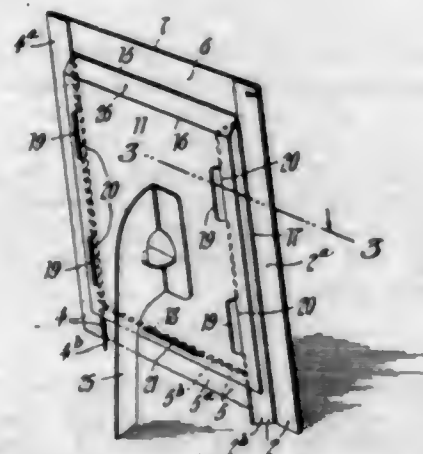


1,515,337. HEATER VALVE. CLARENCE CARSON, Detroit, Mich., assignor to Dodge Brothers, Detroit, Mich., a Corporation of Michigan. Filed June 2, 1923. Serial No. 642,949. 3 Claims. (Cl. 98-49.)



2. In a heater valve for automobiles, a plate, an opening in said plate, a sliding valve in said opening, means cooperating with said sliding valve for adjusting the position thereof in said opening, and a shield over said opening comprising raised fan-shaped members having lateral openings, said shield being integral with said plate and lying in substantially the same plane therewith and adapted to distribute air circumferentially through said openings.

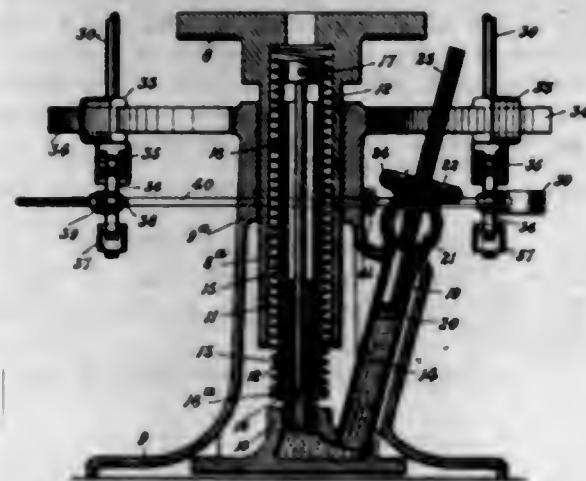
1,515,338. COLLAPSIBLE DISPLAY DEVICE. WILLIS M. CARTER, Hoboken, N. J., assignor of one-half to Nicholas H. Ludwig, New York, N. Y. Filed Mar. 1, 1924. Serial No. 696,403. 5 Claims. (Cl. 40-154.)



1. A device of the character specified including in combination a front, a mid-panel severed therefrom along three of its four edges, the fourth edge being connected

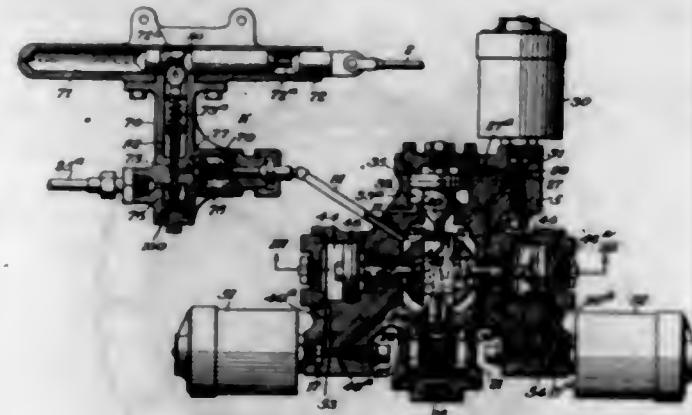
with said front by a relatively narrow connecting member, a plurality of edge wings secured to said front along its margins respectively, said wings being provided with inreaching members terminating inwardly in ears respectively, and slots in said mid-panel near its edges respectively adapted for receiving said wing member ears respectively.

1,515,339. SHAKING OR OSCILLATING DEVICE FOR MOLDING BOXES. JOSEPH CASH, Tipton, England. Filed Feb. 1, 1923. Serial No. 616,413. 4 Claims. (Cl. 22-45.)



1. In jar ram molding machines wherein the molding table is adapted for manually operable reciprocal motion, the combination of a reciprocal molding table, a support for said table, a spring interposed between the table and the support, said spring being adapted to wholly or substantially counterbalance the table and the load thereon, and a variable hydrostatic support co-operating with the said spring.

1,515,340. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. JOHN P. COLEMAN, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 24, 1923. Serial No. 659,115. 14 Claims. (Cl. 246-258.)

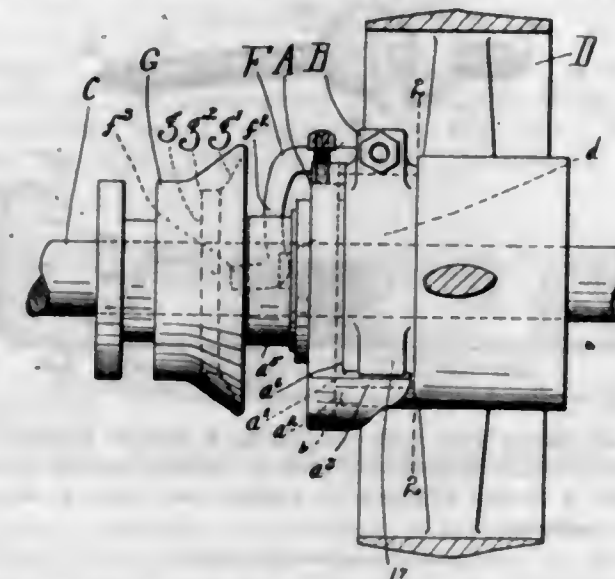


9. In combination, a railway traffic controlling device, a motor for operating said device, normal means for supplying energy to said motor, and other means governed by the position of said device for independently supplying substantially the same amount of energy to said motor.

1,515,341. HIGH-SPEED CLUTCH. ALFRED A. CONWAY, Cincinnati, Ohio. Filed Apr. 11, 1921. Serial No. 460,386. 1 Claim. (Cl. 192-80.)

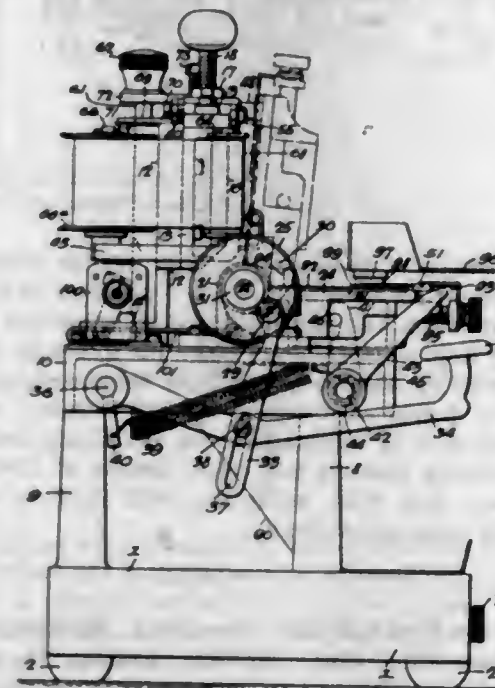
In a high speed clutch mechanism the combination of a shaft, a hub mounted revolvably on the shaft, a carrier plate mounted fixedly on the shaft, a split friction band normally disengaged from the hub and adapted to be moved into frictional driving contact therewith, a slotted

ear on one end of the friction band having a bore transverse to the slot therein registering at its top with the bottom of the slot, a latch mounted on the other end of the friction band and extending into the slot in the ear, a lever rotatably mounted in the bore and engaging the latch, an arm on the lever, the arm and latch diverging toward the shaft so that the shaft assumes a posi-



tion intermediate the arm and latch, a cone slidably mounted on the shaft adapted to engage the arm and to move the arm toward the shaft whereby the lever is rotatably actuated in the bore and the latch is actuated to move the band into frictional driving contact with the hub, and means to impart movement of the carrier plate to the friction band.

1,515,342. LABEL-PRINTING MACHINE. PAUL DIETZ, Philadelphia, Pa. Filed Sept. 29, 1923. Serial No. 665,680. 21 Claims. (Cl. 101-94.)

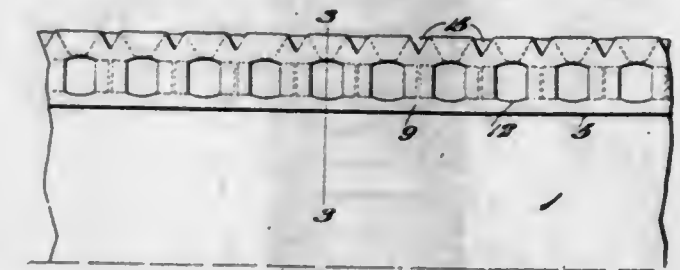


1. The combination in a printing machine of type; a pivotally mounted bed; a spring device for propelling the bed toward the type; and a member normally holding the bed away from the type with the spring device under tension.

1,515,343. FILM REINFORCEMENT AND METHOD OF MAKING SAME. JAMES J. DILKS, Philadelphia, Pa. Filed Feb. 12, 1924. Serial No. 692,292. 4 Claims. (Cl. 88-19.5.)

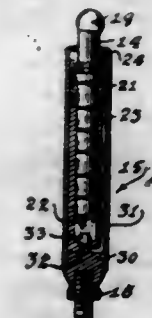
2. The hereindescribed method of reinforcing the edges of a motion picture film, which consists in superimposing upon a film edge, a reinforcement having serrations in

its outer edge and a series of longitudinally arranged H shaped slits in its body, next causing the central tongues of said slits to be clinched through the sprocket holes of



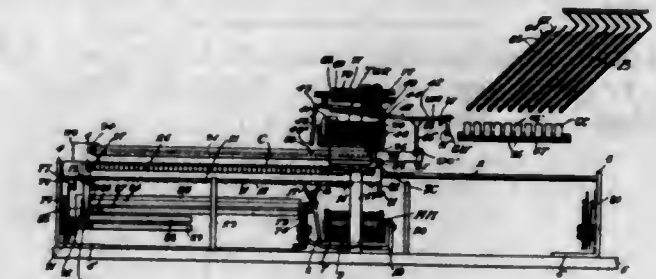
said film and the outer portions of said serrations to be clinched around the outer edge of said film and upon the under side thereof.

1,515,344. PUSH ROD. AMOS B. JOY, Redondo, Calif. Filed Jan. 31, 1923. Serial No. 616,100. 3 Claims. (Cl. 123-90.)



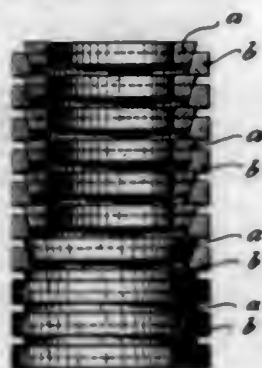
2. In a device of the character described, a cylinder, provided with a bore and an overflow space; one end of the bore being in direct communication with the overflow space, and the other end of the bore being in communication with the overflow space through a separate passage, and a check valve for permitting oil to flow from the overflow space through said passage to the bore while checking return flow.

1,515,345. TELEPHONE SYSTEM. LEROY D. KELLOGG, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 4, 1919. Serial No. 269,578. 30 Claims. (Cl. 179-27.)



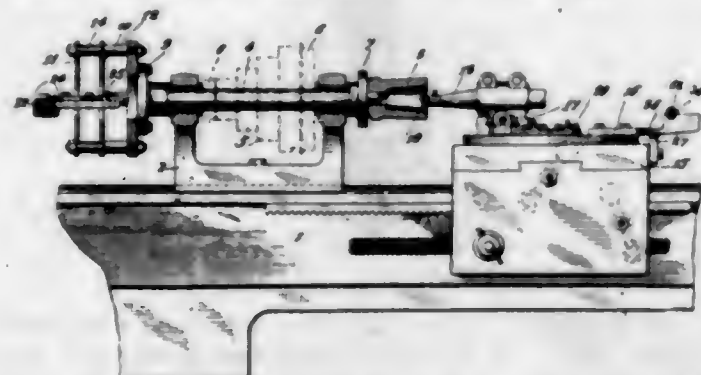
1. A two-dimension automatic switch provided with a bank of contacts divided into groups, a movable contact for cooperation with said bank of contacts, mechanism operatively associated with said movable contact for controlling the movement of said movable contact, and a driving magnet operatively associated with said mechanism for advancing said active contact to a group of contacts then to a contact in the elected group and for restoring said active contact to normal in a retrograde direction.

1,515,346. SPRING. ERNST KREISSIG, Uerdingen, Germany. Filed July 5, 1921. Serial No. 482,500. 5 Claims. (Cl. 267-9.)



1. A friction spring unit of the character set forth, comprising two telescopic integrally closed annuli presenting complementary tapered friction surfaces the taper being such so as to permit compression of the spring in response to an external force.

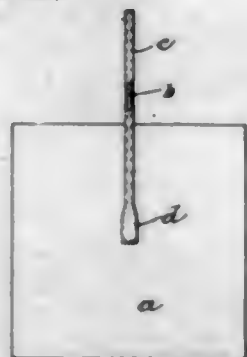
1,515,347. DEVICE FOR MAKING GLASS MOLDS AND THE LIKE. PETER KUCERA, South Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed June 25, 1921. Serial No. 480,340. 31 Claims. (Cl. 82-14.)



1. In a machine for shaping molds for glass machines or the like, a main shaft, a plurality of pattern plates rotated by the main shaft, a cutting tool, a templet cooperating with the cutting tool, and having a curved face cooperating with the pattern plates to determine the path of the forming tool whereby the pattern plates may be selectively effective to determine the operation of the cutting tool.

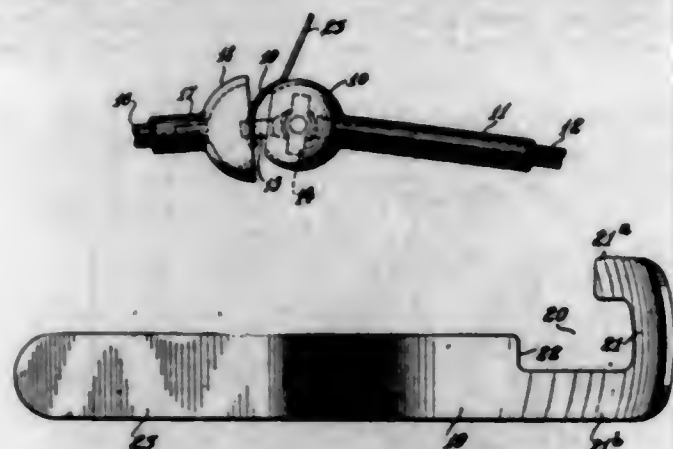
15. In a machine for forming configured mold bodies, the combination of a forming tool, a plurality of hollow plate pattern members, a templet operatively connected to the tool and adapted to cooperate with the patterns to guide the said tool in shaping said mold, and a common shaft carrying both the mold and the pattern plates.

1,515,348. ELECTRODE. ISAAC H. LEVIN, New York, N. Y. Filed Sept. 24, 1921. Serial No. 503,012. 7 Claims. (Cl. 204-4.)



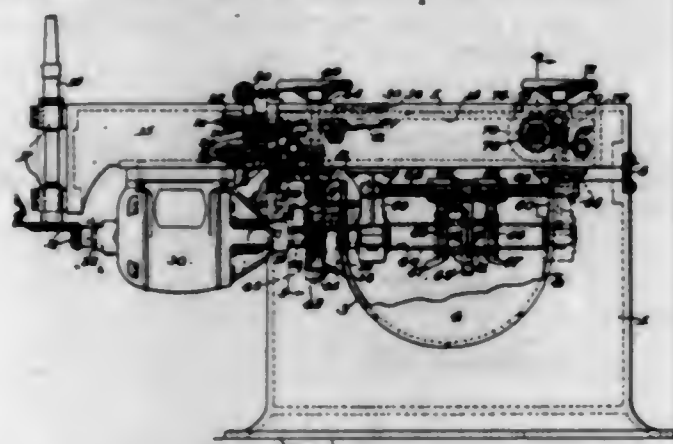
1. An electrode embodying therein an electrode plate having large surface capacity and a terminal bar mechanically and electrically connected therewith having an electroconductive core of low resistance and an electroconductive protecting sheathing about the core.

1,515,349. ASSEMBLING TOOL. DAGFINN LOSSIUS, Philadelphia, Pa., assignor to Frank Mossberg Company, Attleboro, Mass., a Corporation of Rhode Island. Filed June 30, 1922. Serial No. 571,924. 6 Claims. (Cl. 20-84.)



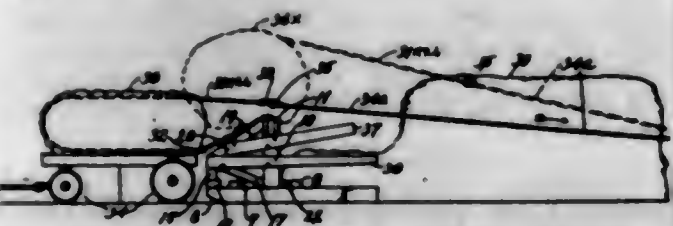
1. An assembling tool comprising a handle portion and a substantially spherically dished portion having formed therein a recess adapted to engage and turn a non-circular member.

1,515,350. DYNAMIC AND STATIC BALANCING MACHINE. JACOB LUNDGREN, Philadelphia, Pa., assignor to Carlson-Wenstrom Company, a Corporation of Delaware. Filed Feb. 25, 1918. Serial No. 219,066. 41 Claims. (Cl. 75-51.)



1. The method of balancing a body, which consists in rotatably mounting such body upon a member having two degrees of freedom and having rotatably mounted thereon a balancing unit adjustable to vary its dynamic balance, and then rotating the body and unit synchronously, suppressing one degree of freedom of said member, and adjusting said unit to counterbalance said body statically, then suppressing instead the other degree of freedom of said member, and then adjusting said unit to counterbalance said body dynamically.

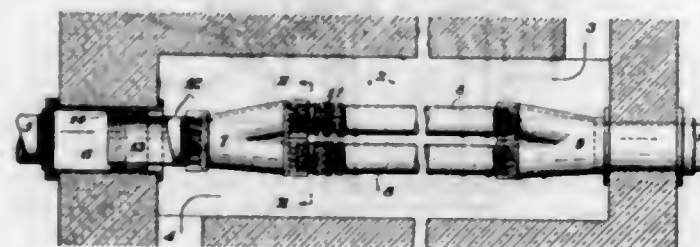
1,515,351. HAYSTACKER. JOSEPH A. MCKENZIE, Kimball, Minn. Filed Mar. 24, 1923. Serial No. 627,304. 2 Claims. (Cl. 214-44.)



1. In a portable hay stacker of the class described, two parallel skids held in fixed relation, a fixed vertically arranged rectangular frame mounted transversely on the front ends of the skids, a similar but higher frame mounted on the skids rearward of the first frame, an in-

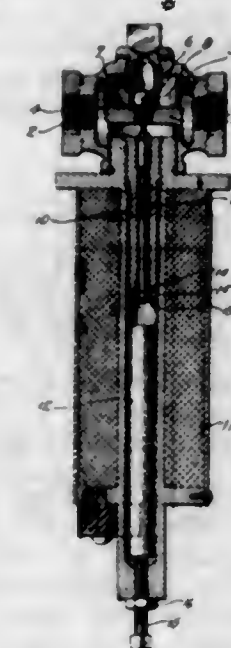
clined frame extending from the lower to the higher frame, a hay sling, means secured to the highest frame for engaging the hay sling, further means for drawing a load of hay within said sling up the said incline to its highest point and thence dropping the hay between the skids, and means guiding the falling hay to a position between said skids.

1,515,352. RECUPERATOR. GREGORY D. MANTLE, Pittsburgh, Pa., assignor to The Colorizing Company, Pittsburgh, Pa., a Corporation of Delaware. Filed June 26, 1923. Serial No. 647,883. 10 Claims. (Cl. 263-2.)



1. In a recuperator, a plurality of recuperator tubes converging into a common outlet whereby a mutual aspirator action is set up, substantially as described.

1,515,353. ELECTRICALLY-CONTROLLED VALVE. FERMAN P. MARTIN, Detroit, Mich., assignor to Dodge Brothers, Detroit, Mich., a Corporation of Michigan. Filed Mar. 10, 1923. Serial No. 625,681. 1 Claim. (Cl. 137-139.)

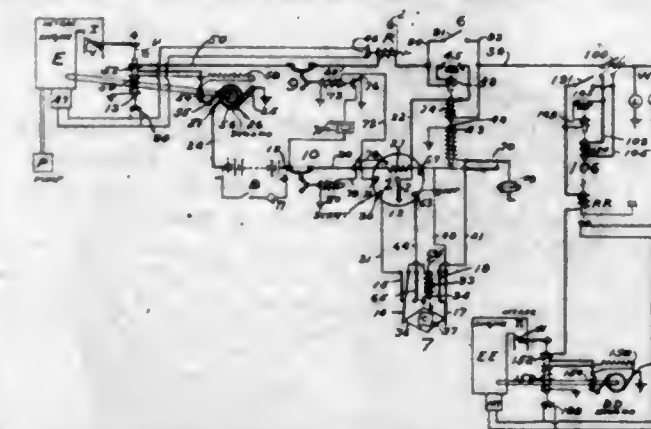


In a device of the character described, the combination with a valve and a valve seat, of a solenoid, an armature therefor, a plunger between the armature and valve, said plunger having a head of non-magnetic material, a plug of magnetic material through which the plunger passes, the end of the armature being normally spaced from the head of the plunger so that when the solenoid is energized the plunger is struck by the armature to unseat the valve, the magnetic plug then acting to hold the armature in actuated position to thereby maintain the valve open.

1,515,354. ELECTRICAL SYSTEM. LINDSAY H. MILLER, Chicago, Ill. Filed Aug. 19, 1916. Serial No. 532,859. Renewed Jan. 30, 1922. 5 Claims. (Cl. 290-30.)

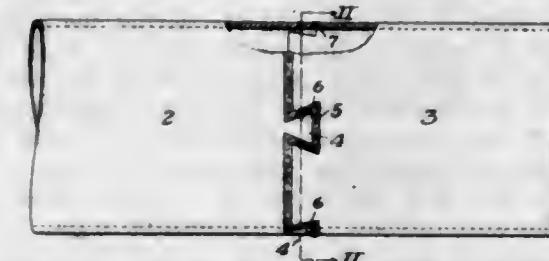
3. An electrical system combining a dynamo adapted to run as a motor to start an engine and to be run as a generator by the engine, a battery, a relay responsive to

dynamo current adapted to stop the engine when the dynamo current falls below a predetermined value, said relay being provided with a retarding device.



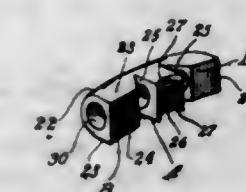
5. An electrical system combining a dynamo adapted to run as a motor to start an engine and to be run as a generator by the engine, a battery, a relay responsive to dynamo current adapted to stop the engine when the dynamo current falls below a predetermined value, said relay being provided with a retarding device, a pump driven by the engine, and pump-pressure-controlled means for starting the engine when the pressure of fluid delivered by the pump attains a predetermined value.

1,515,355. WELDED PIPE-LINE JOINT AND METHOD OF MAKING THE SAME. HARBOUR MITCHELL, Pittsburgh, Pa., assignor to American Foundry & Construction Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1921. Serial No. 440,208. 9 Claims. (Cl. 285-1.)



1. The method of forming a welded pipe joint, which consists in providing the adjacent end portions of two pipe sections to be welded with interfitting tongues or projections and grooves adapted to form a mechanical interlocking between the said sections for preventing longitudinal separation of the same due to internal pressure, engaging the tongues or projections of one section with the grooves of the other section by relatively moving the tongues or projections and grooves in a direction at an angle to the longitudinal axis of the sections, and then forming a welded connection between the abutted and interfitted ends of the sections, substantially as described.

1,515,356. CORNER BUMPER. ALFRED E. MOON, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1920. Serial No. 426,327. 3 Claims. (Cl. 15-45.)



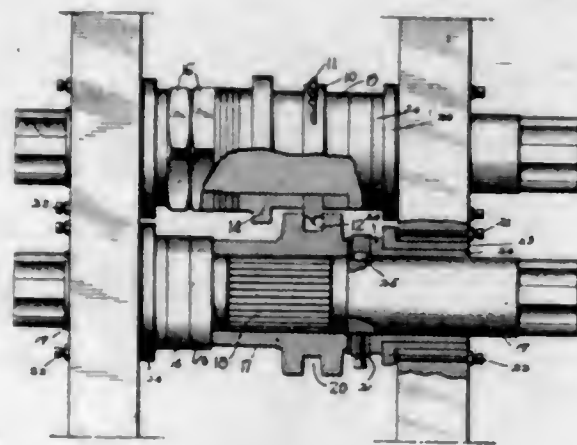
1. A longitudinally channelled rubber bumper having two substantially V-shaped recesses extending part way across the bumper and into its channel and dividing its inner half into a middle section and two end sections adapted to assume a closed form when the bumper is bent around a corner.

1,515,357. /HAIR NET. MORTON A. OPPENHEIMER, Philadelphia, Pa. Filed July 10, 1924. Serial No. 725,235. 1 Claim. (Cl. 132-49.)



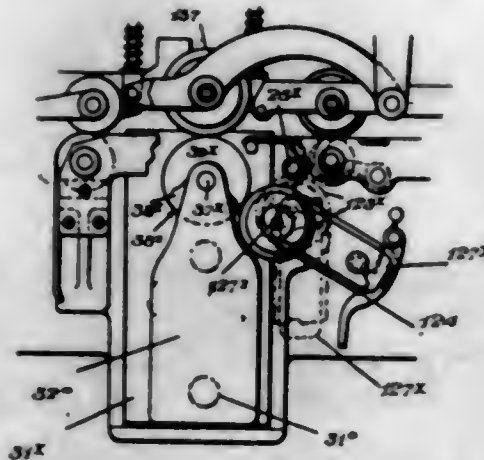
A hair net having a body formed of open meshes to conform to the general contour of the human head, and a close-meshed edge portion adapted to extend around the back of the head following the style of the hair and restricting the lower back portion of the body to cup-fit the hair closely at that point, and a close-meshed edge portion adapted to extend around the front of the head following the style of the hair and restricting the adjacent portions of the body to thus coact with the back close-meshed edge in preventing displacement of the net, the said front close-meshed edge extending approximately from ear to ear around the front and the said back close-meshed edge extending approximately from ear to ear around the back and being of a mesh considerably smaller than that of the front close-meshed edge.

1,515,358. SHAPING ROLLS FOR HORSESHOE BARS. LUTHER T. PAGE, Wareham, Mass. Filed Apr. 14, 1922. Serial No. 552,528. 5 Claims. (Cl. 50-57.)



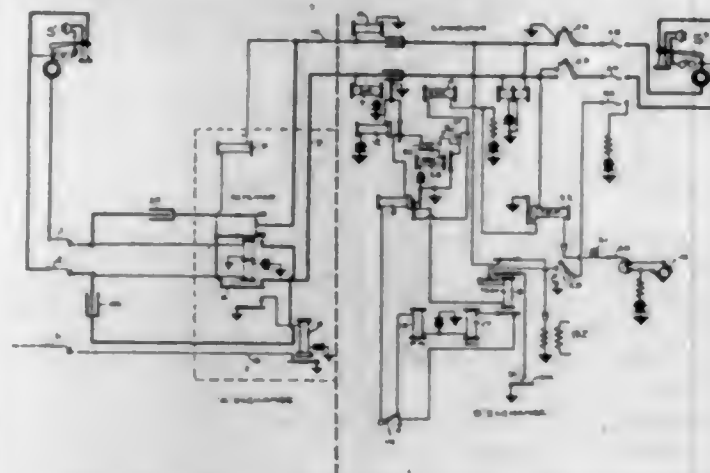
5. In a machine of the class described, a pair of parallel shafts, a die ring mounted on one of said shafts for frictional rotation therewith, means carried by the shaft for varying the amount of friction between the same and said die ring, a normally free running grooved roll mounted on the other of said shafts, and means carried by said last mentioned shaft for friction coupling said grooved roll for rotation therewith, the groove of said grooved roll being adapted to receive the peripheral edge of said die ring for rotation in unison therewith when a length of stock is fed between the groove and the die ring.

1,515,359. JOB-PRINTING ATTACHMENT FOR POSTAGE-METER MACHINES. ARTHUR H. PITNEY, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Oct. 26, 1921. Serial No. 510,008. 4 Claims. (Cl. 101-91.)



1. For a machine of the character specified having a removable meter; an attachment interchangeable with the meter and provided with printing elements similar to those of the meter but adapted to print work of a character different from that of the meter; said attachment being adapted when inserted in the machine to be operated by the same mechanism thereof which operates the meter, substantially as described.

1,515,360. AUTOMATIC TELEPHONE REPEATER SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed June 14, 1919. Serial No. 304,133. 6 Claims. (Cl. 179-18.)

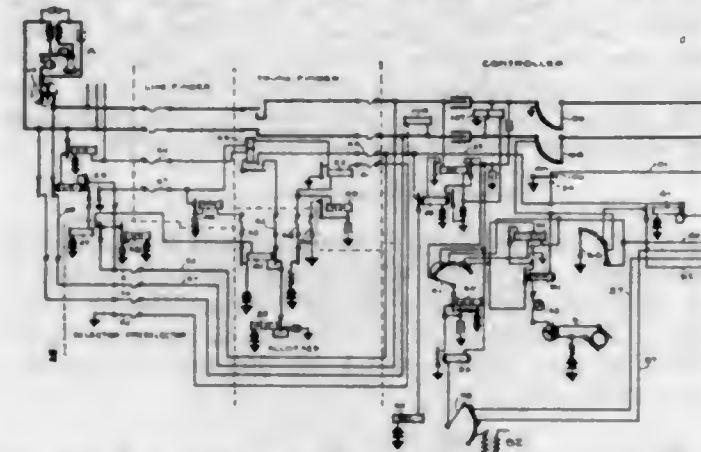


2. In a telephone system, telephone lines, means for transmitting impulses over said telephone lines, talking conductors including automatic switches and trunks for interconnecting said lines, said talking conductors being divided into sections by condensers and a relay having armatures for repeating impulses around certain of said condensers to certain of said automatic switches and for preventing said last mentioned condensers from interfering with said impulses.

1,515,361. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 6, 1919. Serial No. 322,105. 25 Claims. (Cl. 179-18.)

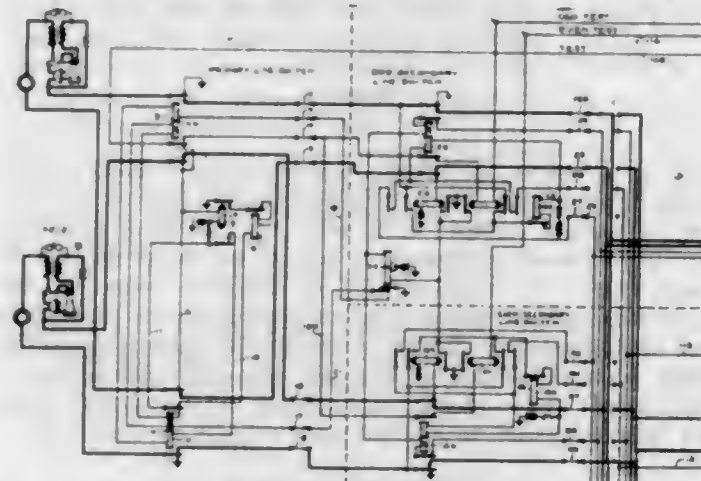
1. In a telephone system, groups of telephone lines, a group of trunks individual to each group of lines, link circuits for interconnecting calling lines and trunks,

each link circuit terminating at each end in a hunting switch, a progressively operable switch for assigning link circuits for use, means for assigning an idle trunk



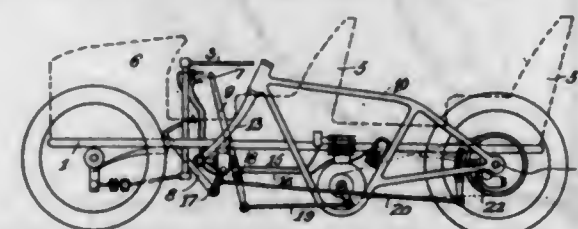
for use, and means for extending a signaling circuit from a calling line to the assigned trunk while said hunting switches are operating.

1,515,362. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 23, 1921. Serial No. 517,376. 10 Claims. (Cl. 179-18.)



1. In a telephone system, a plurality of telephone lines, arranged in pairs, a group of bridge circuits for interconnecting said telephone lines, means for connecting a bridge circuit to a telephone line when said telephone line is calling, a group of multi-contact relays common to said telephone lines arranged to be variably operated from a distant point in accordance with the designation of the wanted telephone lines, said group of multi-contact relays having a single set of contacts for each pair of telephone lines, a test circuit, means including the operated set of relay contacts for extending said circuit to the wanted telephone line, and means responsive to the completion of said test circuit for connecting the called telephone line to the selected bridge circuit.

1,515,363. AUTOVEHICLE. KONSTANTIN P. RADOVANO-VITCH, New York, N. Y. Filed Apr. 18, 1922. Serial No. 554,415. 4 Claims. (Cl. 180-11.)



1. A car body attachment for motorcycles comprising a light frame with seats, a single rear wheel at one side, front steering wheels and controlling mechanism there-

for, in combination with means for connecting thereto as the propelling means a motorcycle with the front wheel removed, and means on said frame for controlling the operation of said connected motorcycle.

1,515,364. DEODORANT AND INSECTICIDE. RURIC CREGAN ROARK, Baltimore, Md. Filed Apr. 19, 1922. Serial No. 555,630. 3 Claims. (Cl. 167-3.)

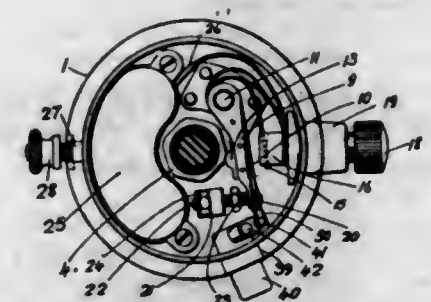
1. The process of making a solid volatile composition of matter, suitable for use as a deodorant and insecticide which comprises melting paranitrochlorobenzene, incorporating an odoriferous material therewith, molding the mass into blocks, and allowing the same to cool.

1,515,365. ENDLESS ROPE BELT AND METHOD OF MAKING THE SAME. PAUL RONE, Ladoga, Ind. Filed Oct. 15, 1923. Serial No. 668,625. 3 Claims. (Cl. 117-55.)



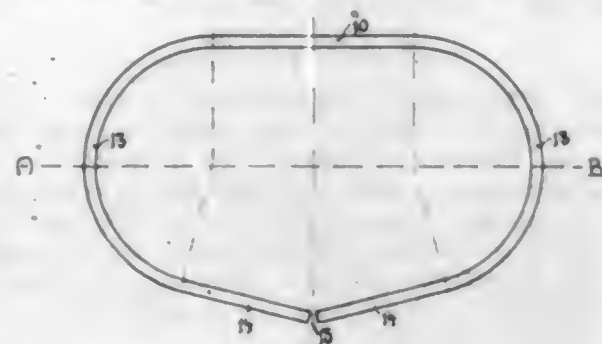
1. A method of forming an endless rope belt consisting of looping the rope to form a core, unraveling one free end thereof and arranging it to lie adjacent said core, winding the other free end about said core to provide an outer winding, unraveling the free ends of said winding after the completion thereof for providing a plurality of strands, and threading said strands between said core and outer winding for concealing and securing the end thereof.

1,515,366. INTERRUPTER MECHANISM FOR IGNITION SYSTEMS. ADOLPH ROSNER, Springfield, Mass., assignor to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed Jan. 28, 1922. Serial No. 532,407. 17 Claims. (Cl. 200-27.)



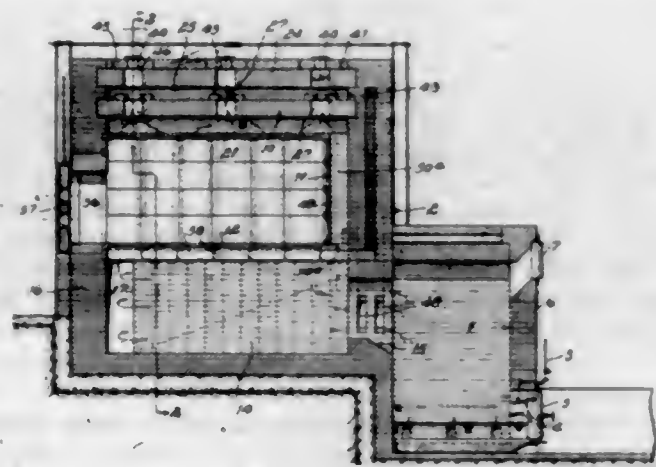
5. An interrupter for ignition systems comprising a cam, a support for the interrupter mechanism, contact carrying members on said support and movable by said cam, springs operable to normally hold said contact carrying members against said cam, sets of relatively movable contacts carried by said support and said contact carrying members, said contact carrying members and said support having cooperative means movable to different positions for selectively holding any of said contact carrying members out of operative engagement with said cam, while another of said contact carrying members is in operative engagement with said cam, said movable means comprising a lever pivotally mounted on said support and movable into any of said different positions, said lever having means to normally lock said lever in selected position.

1,515,367. RAILWAY SUPERSTRUCTURE. RICHARD SCHEIBE, Klotzsche, Germany. Filed May 12, 1923. Serial No. 638,496. 3 Claims. (Cl. 228-51.)



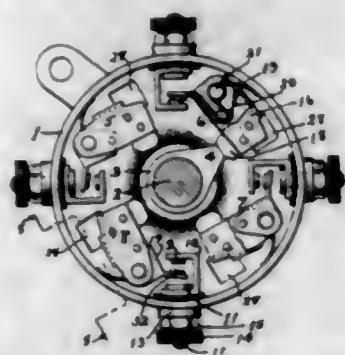
3. A superstructure as set forth in claim 1, in which means are provided to clamp the rail to said sleeper, said sleeper and means being provided with interengaging portions, whereby lateral shocks upon the rail are transmitted undiminished in strength to said sleeper.

1,515,368. ENAMELING FURNACE. ALBERT F. H. SEELIG, St. Louis, Mo. Filed Apr. 12, 1922. Serial No. 551,765. 18 Claims. (Cl. 263-15.)



1. In a furnace of the kind described, the combination of a heating chamber, a muffle supported therein, and means for directing the hot gases in a plurality of passes and in opposite directions under and in direct contact with the bottom of the muffle.

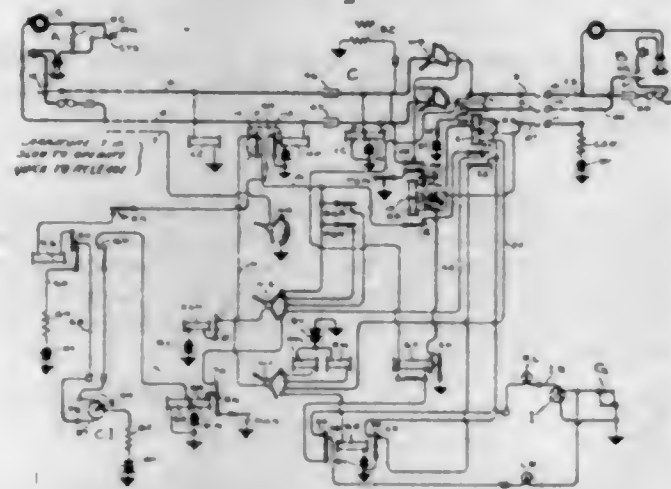
1,515,369. ELECTRICAL TIMING AND CIRCUIT-CLOSING DEVICE. HARRIE D. SEVISON, Auburn, Ind. Filed Nov. 12, 1920. Serial No. 423,541. 3 Claims. (Cl. 200-27.)



1. The combination with a casing, a plurality of contact members carried thereby, and a rotative embossed cam element, of a plurality of oscillatory spring pressed members mounted within the casing and adapted to co-act and to be outwardly actuated by said cam element; a spring pressed contact arm pivotally mounted upon each oscillatory member and projecting therefrom into proximity with one of said contact members to make and

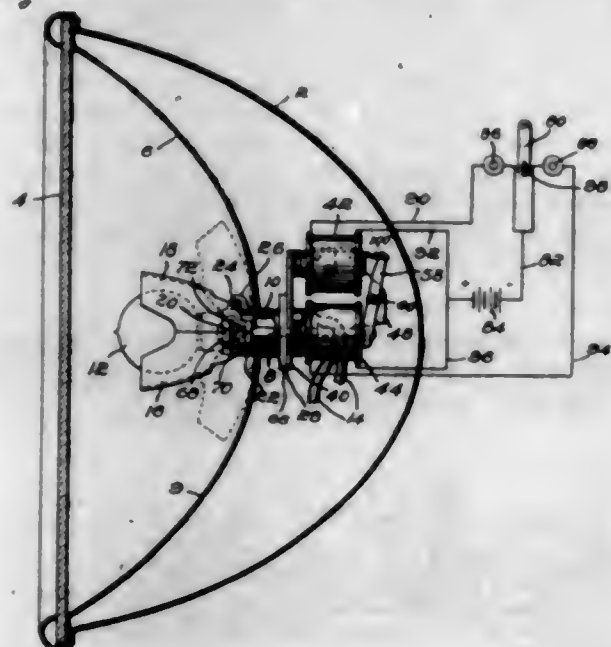
break a circuit, said contact arm being adapted to be swung simultaneously with the actuation of said oscillatory member by said cam element, whereby said contact arm is first swung into yieldable engagement with one of said casing contact members and thereafter moved across the face thereof to effect a wiping contact therewith; and stop means adapted to be engaged by said spring pressed contact arm when the latter is disengaged from said casing contact member.

1,515,370. MECHANICAL TELEPHONE SWITCHING SYSTEM. FRANK M. SLOUGH, Elyria, Ohio, assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 17, 1919. Serial No. 297,949. 12 Claims. (Cl. 179-18.)



12. In a telephone system, an incoming circuit, a plurality of outgoing circuits, a switch for interconnecting said incoming circuit with any of the said outgoing circuits, a motor magnet for advancing said switch to complete desired connections, an impulse relay having armatures operating out of synchronism and controlled over said incoming circuit to affect the operation of the motor magnet, release mechanism for said switch and a mechanical time measuring device co-operating with said impulse relay to control said release mechanism.

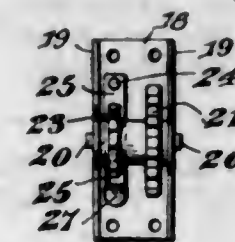
1,515,371. DIMMING APPARATUS FOR HEADLIGHTS. HENRY MONFORD SMITH, Lyndonville, Vt. Filed Aug. 9, 1921. Serial No. 490,851. 4 Claims. (Cl. 240-45.)



1. In apparatus of the class described, in combination, a reflector; a source of light; dimming shades for said source of light mounted for swinging movement be-

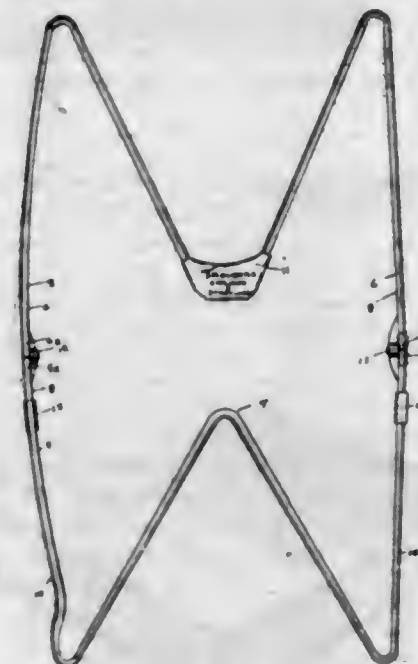
tween said source of light and said reflector, said shades being cut away at the front and laterally, so that when in closed position, they intercept rays directed upwardly and downwardly from said source of light and allow lateral and forward rays to pass; and operating mechanism to swing said shades to open and close the same, said mechanism comprising a reciprocable rod, studs on said rod, slots in said shades engaged by said studs, and actuating means positively to reciprocate said rod.

1,515,372. WINDOW-SHADE ADJUSTER. LEWIS CASS SMITH, De Witt, Ark. Filed Oct. 12, 1922. Serial No. 594,048. 1 Claim. (Cl. 156-28.)



A device of the class described comprising a bracket including spaced sides and a rear connecting portion, a shaft extending through said spaced sides, a chain pulley and a toothed wheel connected to rotate together relative to said shaft and between the spaced sides of the bracket, and a strip of resilient material bent at right angles intermediate the ends with one portion attached to the rear portion of the bracket and the other portion formed into a loop to yieldably engage the teeth of the wheel and extended in advance of the bracket to form a finger grip.

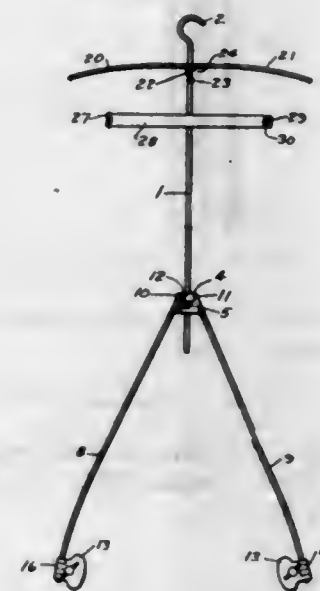
1,515,373. FOLDING TROUSERS CREASER AND STRETCHER. JOHN J. SULLIVAN, Springfield, Mass. Filed Oct. 1, 1921. Serial No. 504,796. 3 Claims. (Cl. 223-19.)



1. A creaser and stretcher for trousers composed of a pair of frame members, each frame member consisting of outer crease forming bars and a connecting spring adapted to maintain outward tension upon the said bars against the garment to be creased, the ends of the bars

of one frame member being placed in contiguous relation to the ends of the bars of the other frame member, a hinge for connecting the adjacent ends of each pair of bars for folding movement, said hinge being secured against the inner sides of the engaged bars and the terminal portions of said bars forming stops to limit the movement of the frame members upon each other in an opening direction, to maintain said frame members in substantially the same plane when in open position, the hinges being arranged to permit one frame member to fold upon the other frame member without separation thereof.

1,515,374. CLOTHESPRESS. WILLIAM TIERNEY, Seattle, Wash. Filed Dec. 27, 1923. Serial No. 683,090. 1 Claim. (Cl. 223-19.)



In a device for holding and stretching wearing apparel or the like having folding members adjacent its upper end that may be opened to form a coat hanger; a bar having means at its upper end by which it may be supported; a pivotally mounted clamp in which the lower ends of garments may be held; a sliding member with its outer edges tapering outward and downward and having grooves in them mounted on the rod and adjustably held to it by set screws; other rods pivotally attached to the sliding member and resting in grooves in its edges; and clamps at the outer ends of the latter rods, said latter rods being of a spring material so that the garment may be stretched both lengthwise and crosswise.

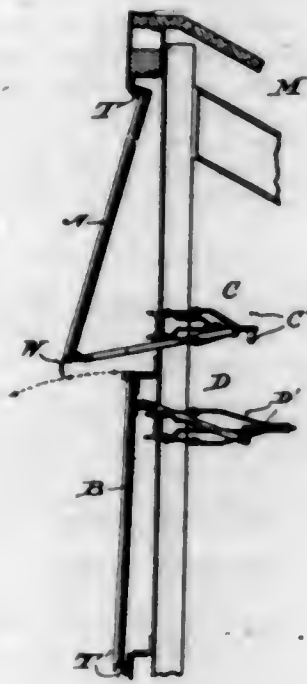
1,515,375. FURNACE LINING AND METHOD OF MAKING THE SAME. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed May 4, 1922. Serial No. 558,628. 6 Claims. (Cl. 25-157.)

1. The method of making furnace linings which includes forming compressed unburned blocks of silicon carbide and silicate of soda, building a furnace lining with said unburned blocks and heating the same in situ to form a well vitrified inner face backed with a poorly vitrified layer of lower heat conductivity.

1,515,376. CONTROL SYSTEM FOR VENTILATING FASH UNITS. HERBERT E. WHITE, Youngstown, Ohio, assignor to The Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 15, 1921. Serial No. 492,267. 38 Claims. (Cl. 268-17.)

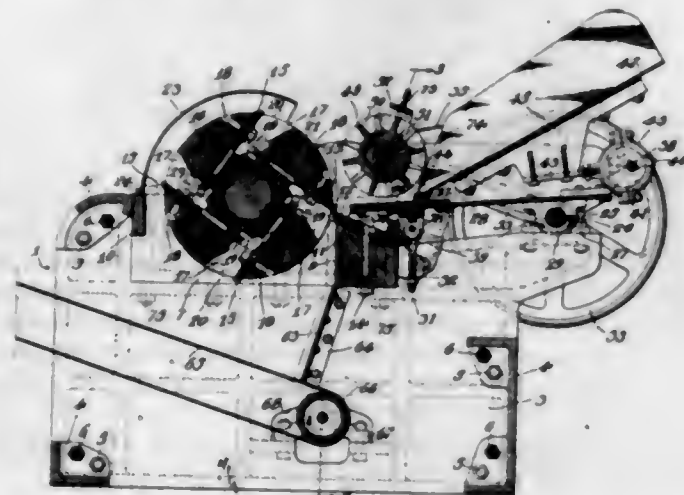
1. A control system for coacting swinging closures, including operating mechanism for each closure, and means

for causing one closure to move in advance of the other closure until it reaches a clearance position and con-



tinuing the movement of said other closure to a position past the first closure.

1,515,377. STOCK CUTTER. JAMES BERTWELL WHITE, Yorklyn, Del. Filed Jan. 2, 1924. Serial No. 684,002. 10 Claims. (Cl. 83-6.)

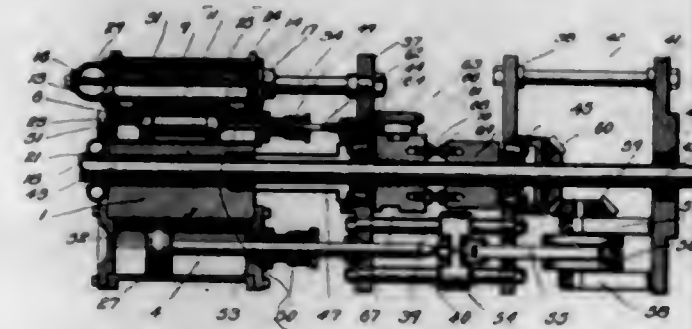


1. A stock cutter including cutting means; a feed table for guiding the stock into the cutting means; a wearing plate on the table; a feed roller disposed above the wearing plate; a pan mounted to reciprocate toward the roller and having its end resting on the wearing plate; an eccentric shaft mounted on the table; means on the eccentric shaft for reciprocating the pan, and means for imparting movement to the cutting means, the roller and the shaft.

1,515,378. STEAM ENGINE. JOSEPH C. WILLIAMS, Kansas City, Mo. Filed Nov. 21, 1921. Serial No. 516,583. 3 Claims. (Cl. 121-119.)

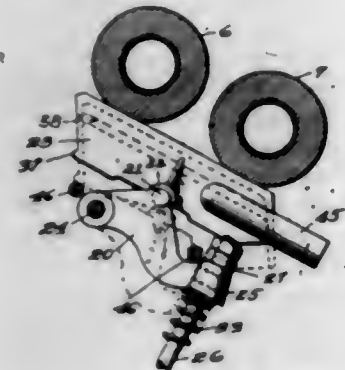
3. A steam engine comprising a block, an uneven number of steam engine units in the block and arranged about a common center, a shaft in alignment with the common center, a plate longitudinally spaced from the block and having a central bearing, through which the shaft projects, V-shaped guides carried by the plate,

valve blocks connected to the valves of the respective units and guided in the V-shaped guide, rollers carried by the block, a single cam on the shaft in driving con-



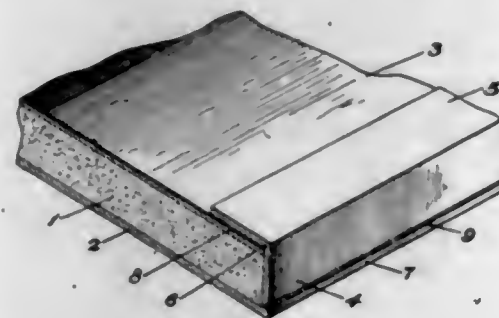
nection with the blocks through the rollers, and means for communicating motion to the shaft from the power elements of the several engine units.

1,515,379. IRONING MACHINE. EDGAR L. YORK, Peoria, Ill. Filed May 9, 1921. Serial No. 468,033. 3 Claims. (Cl. 68-9.)



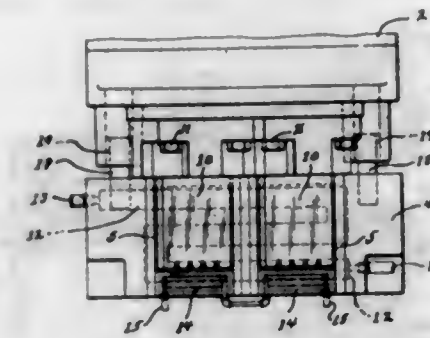
1. In an ironing machine the combination of a plurality of cushioned work feeding rolls, driving mechanism therefor, a platen below the rolls, means for heating the platen, spring operated means for pressing the platen against the feed rolls, foot operated means for overcoming the latter means to lower the platen, a latch cooperating with the foot operated means to hold the platen in lowered position, and disengageable connections between the spring operated means and the platen whereby the latter may be removed from the machine.

1,515,380. PLASTER BOARD. CHARLES R. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Original application filed Jan. 2, 1920. Serial No. 348,942. Divided and this application filed Jan. 3, 1921. Serial No. 434,652. 5 Claims. (Cl. 154-45.8.)



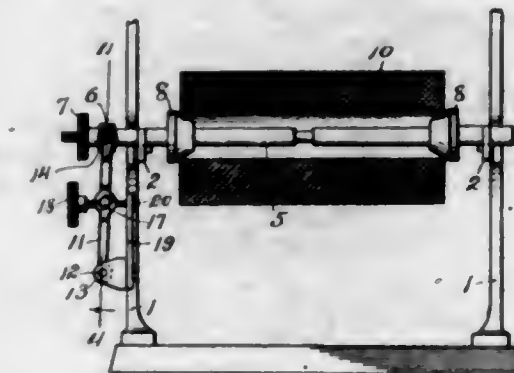
1. A plastic board comprising a suitable body, a cover sheet arranged on opposite face sides thereof, and an edge binder adhering to the edge and folded to overlie the body on one side only thereof and secured to the cover sheet thereat.

1,515,381. METHOD OF MANUFACTURING BATTERY JARS AND SIMILAR ARTICLES OF HARD RUBBER. EDWIN S. BOYER, Plainfield, and ALFRED C. BUTT-FIELD, Butler, N. J., assignors to American Hard Rubber Co., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1924. Serial No. 694,542. 5 Claims. (Cl. 18-53.)



2. The method of making hard rubber articles, which consists in providing a hard rubber compound with an accelerator, said accelerator being sufficient in amount to give a preliminary set to the compound when subjected to high pressure in a heated mold, so that the molded compound can be removed from the mold in a partly cured condition to be placed upon supporting means for vulcanizing.

1,515,382. ROLL-PAPER HOLDER. JAMES D. CHEESMAN, Kansas City, Mo. Filed June 18, 1923. Serial No. 645,965. 6 Claims. (Cl. 211-31.)

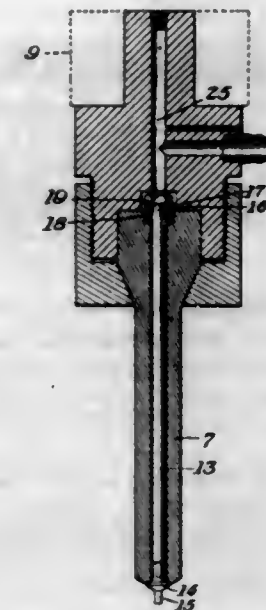


1. In a roll paper holder, a rotary shaft, supporting means therefor, a member longitudinally adjustable on the shaft, two devices respectively secured to and rotatable with said shaft and said member and adapted to respectively engage and support the ends of a paper roll, means for adjusting one of said members toward and from each other, and means for simultaneously adjusting said member and said shaft longitudinally, substantially as set forth.

1,515,383. TUBE-EJECTING AND OFFTAKE MECHANISM FOR TUBE-MAKING MACHINES. WALTER T. DAVIS, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed June 27, 1921. Serial No. 480,676. 22 Claims. (Cl. 207-9.)

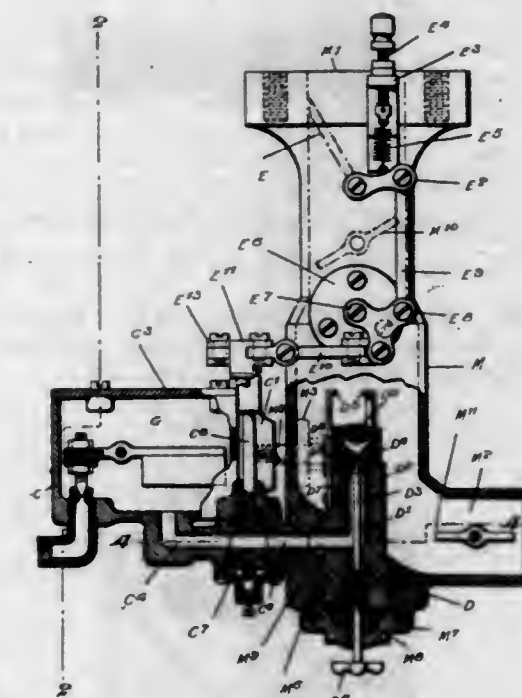
1. An extrusion machine for the manufacture of collapsible metal tubes having a reciprocating plunger

around which the tubes are formed, and means for periodically admitting air to the interior of the formed



tubes while on the plunger to thereby strip them from the plunger, substantially as described.

1,515,384. CARBURETOR. ARCHIE JAMES FRAME, Miami, Fla., assignor of one-half to Frank L. Felix, Hartford, Ky. Filed Jan. 3, 1922. Serial No. 526,741. 3 Claims. (Cl. 123-127.)

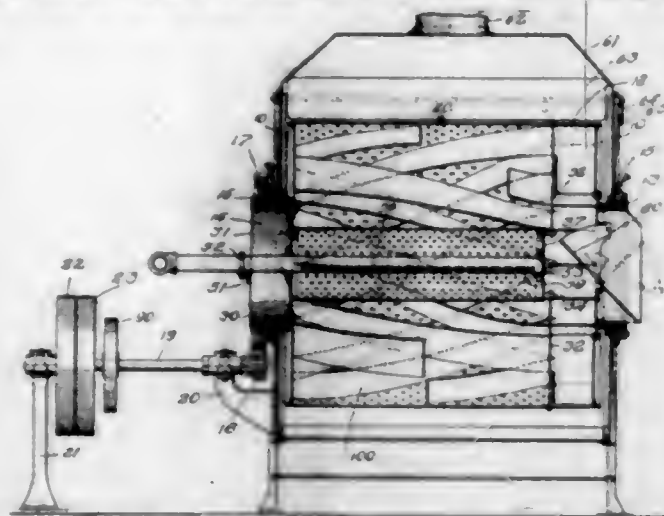


1. A carburetor for an internal combustion engine provided with two float chambers, a valve controlling the outlets of said chambers, and a vane adapted to be actuated by the suction of the engine and provided with means adapted to operate said valve.

1,515,385. COFFEE ROASTER. ALBERT P. GROHENS, Marshall, Mich. Filed June 8, 1922. Serial No. 566,755. 10 Claims. (Cl. 34-5.)

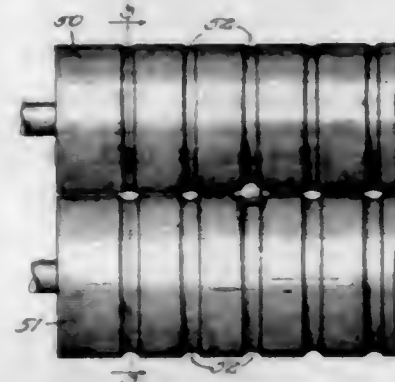
1. In a device of the character described, a rotatable drum adapted to contain the material to be roasted, a perforated guard tube axially arranged within said drum,

the rear end of said guard tube being attached to the rear end of the drum and the forward end of said guard



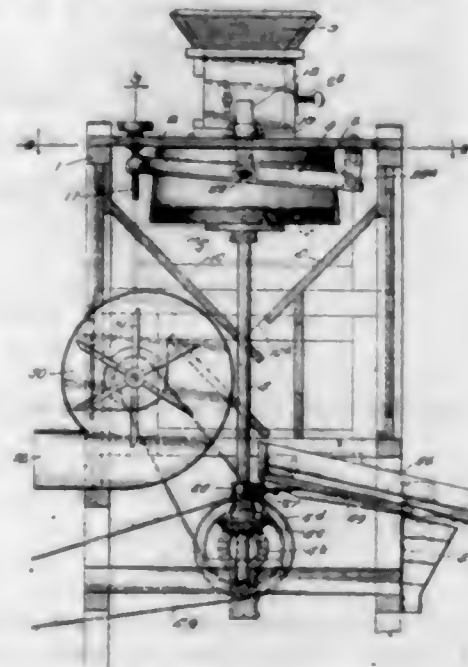
tube lying a short distance behind the forward end of the drum and supported by radially arranged hanger rods, and heating means located within the guard tube.

1,515,386. BLANCHING MACHINE. ALBERT P. GROHNS, Marshall, Mich. Filed Aug. 30, 1923. Serial No. 660,152. 3 Claims. (Cl. 146-32.)



3. A pair of blanching rollers rotated at different speeds, each roller having a soft spongy core surrounded by an elastic casing with circumferential grooves.

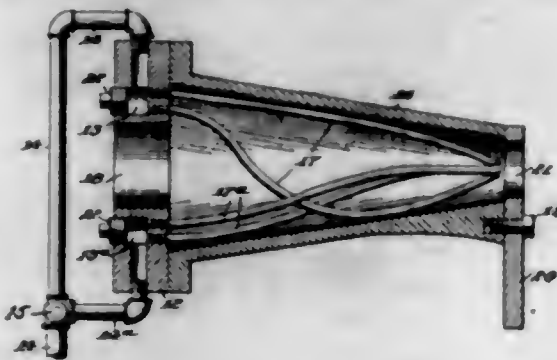
1,515,387. BLANCHING MACHINE. ALBERT P. GROHNS, Marshall, Mich. Filed Aug. 30, 1923. Serial No. 660,153. 6 Claims. (Cl. 146-32.)



1. In a device of the character described, a frusto-conical brush; a frusto-conical hulling cylinder surrounding said brush; and means for adjusting said brush and

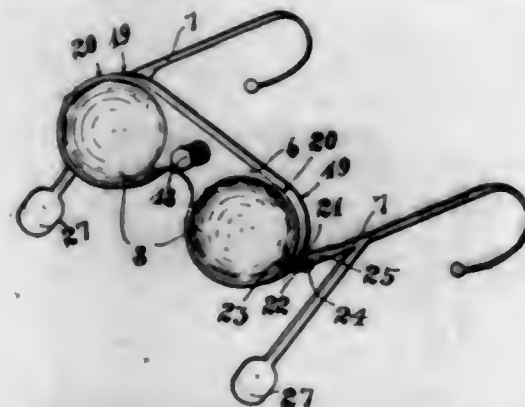
hulling cylinder with respect to each other, said means including a yoke spanning the hulling cylinder and pivotally attached thereto, a pivotal mounting for one end of said yoke, and means for vertically adjusting the other end of said yoke.

1,515,388. OIL BURNER. CHARLES R. HOPKINS, Alliance, Ohio. Filed June 26, 1923. Serial No. 647,862. 3 Claims. (Cl. 158-76.)



1. An oil burner comprising a chambered burner head and nozzle, combined with an adjustable regulating disk mounted on the discharge end of said nozzle and having a plurality of openings of different sizes any one of which may be brought into register with said discharge end of said nozzle, said head having two oil inlet chambers, pairs of oil tubes in said nozzle, said tubes communicating with said oil inlet chambers and having converging discharge ends closely adjacent to the outer end of said nozzle, and oil feed pipes communicating with said oil inlet chambers.

1,515,389. GOGGLES. CLARENCE V. HOPKINS, Los Angeles, Calif. Filed Mar. 20, 1922. Serial No. 545,254. 14 Claims. (Cl. 2-14.)



1. In goggles, a frame structure formed to hold transparent members in pairs opposite one another and having a yielding portion between the opposite holding portions for each pair of transparent members.

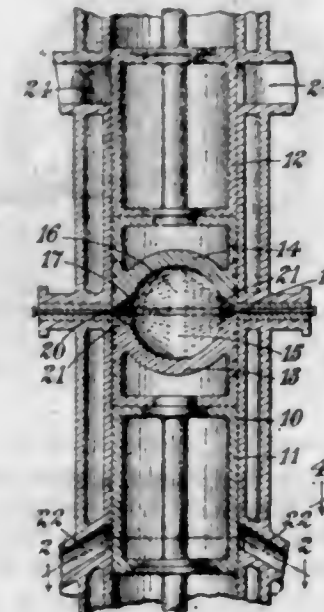
1,515,390. GOLF CLUB. EDWARD I. HUBBARD, Oakland, Calif. Filed Dec. 27, 1923. Serial No. 682,934. 8 Claims. (Cl. 46-4.)



6. In a playing club formed of a molded composition, and comprising a body and a neck, a tubular reinforcing member in said neck, a reinforcing member extending from said

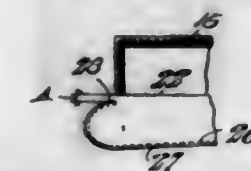
tube into said body, a plurality of fabric reinforcing strips in said body, and a hollow lightening member imbedded in said body.

1,515,391. INTERNAL-COMBUSTION ENGINE. KARL OTTO KELLER, Sunderland, England, assignor of one-half to Robert Pile Daxford, Sunderland, Durham, England. Filed July 5, 1923. Serial No. 649,531. 1 Claim. (Cl. 123-53.)



An internal-combustion engine characterized by the provision of a combustion-chamber which is situated within the cylinder, the said chamber being formed by two concave walls with their concavities presented towards one another, there being relative movement between the concave walls in the axial direction of the cylinder, in combination with means for injecting the air for combustion into the combustion-chamber so that it has a whirling motion about an axis parallel with the axis of the cylinder, and a fuel-injecting device that is set to deliver a flat fan-shaped jet of fuel oil spray into the whirling body of air as a curtain situated in the plane containing the axis about which the whirling of the air was primarily set up.

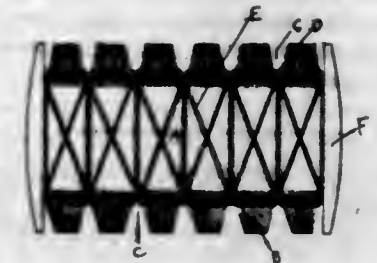
1,515,392. COLLAR. PAUL A. KELLER, Cynwyd, Pa. Filed June 17, 1922. Serial No. 568,935. 6 Claims. (Cl. 2-131.)



2. A turn-over collar comprising a body piece shaped to provide a turn-over portion and a neck band portion provided with end tabs, a neck band piece secured to one side of the neck band portion and formed with end tabs conforming to the size and shape of said neck band tabs, and means to elevate the fold line of the body piece at each end slightly above the upper junction of the edges of the end tabs and said body piece whereby a true V notch on the meeting ends of the collar in assembled position is formed.

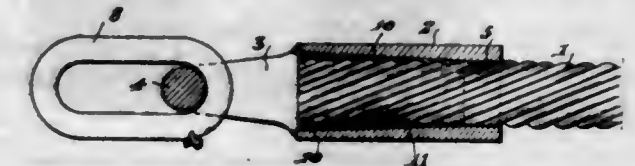
5. A turn-over collar comprising a body piece formed of a single blank cut to form a turn-over portion and a neck band portion, over-lock stitching on the raw edge of said turn-over portion, the edge of said turn-over portion being folded back upon itself, and plain stitching securing the folded edge in position and extending through the over-lock stitching.

1,515,393. FINE-TOOTH COMB. KATE KENNER, New York, N. Y. Filed Nov. 12, 1920. Serial No. 423,765. 3 Claims. (Cl. 182-11.)



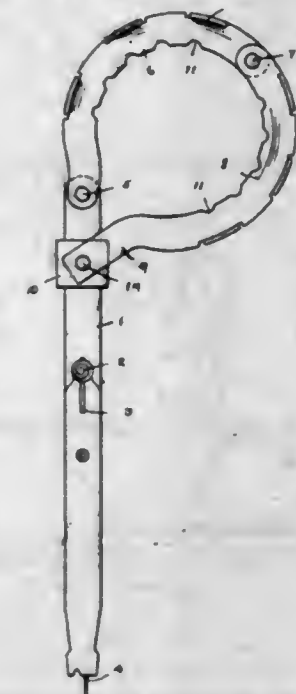
1. A fine tooth comb having its teeth separated at intervals by spaces to allow the loose strands of hair to pass through, said spaces being formed by separating and retaining the teeth into groups and binding the individual teeth of each group closer together.

1,515,394. WIRE-ROPE-END COUPLING OR SOCKET. HERBERT W. KERR, Augusta, Kans. Filed June 20, 1924. Serial No. 721,297. 3 Claims. (Cl. 24-133.)



2. A rope end connection comprising, a cylindrical body having an axial passage therethrough for the reception of a rope end, said passage, from one end for a slight distance inwardly, being of uniform diameter and then gradually increasing in diameter to a point adjacent the other end to receive, after the insertion of said rope end, a molten securing metal, and a link formed integral with that end of the body where the passage is of greatest diameter, said portion of uniform diameter, of the said passage, being of a size to snugly engage the rope end passing therethrough.

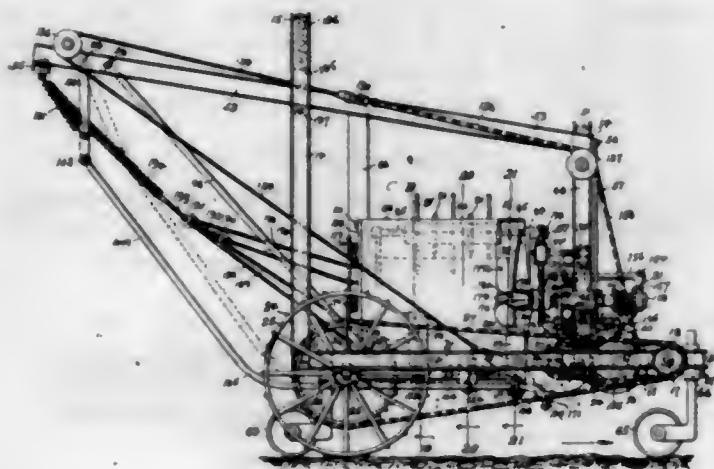
1,515,395. COVER REMOVER. JOSEPH LA LONDE, Gilbert, Minn. Filed Feb. 2, 1924. Serial No. 690,313. 1 Claim. (Cl. 81-3.2.)



A wrench of the character described comprising a utility handle, a semi-circularly shaped flat metal clamping jaw pivotally united to one end of the handle, a second semi-circularly shaped flat clamping jaw pivotally attached at one end to the opposite end of the first mentioned jaw and at the other end pivotally and

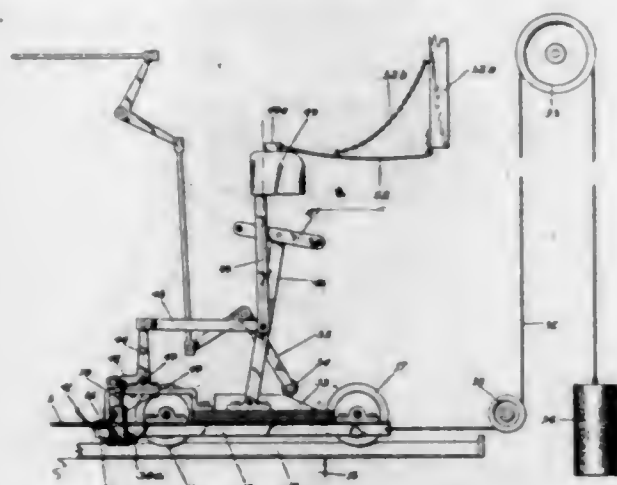
slidably mounted upon the handle, the inner edges of said jaw being serrated for clamping purposes, and clamping lugs projecting laterally from the outer edges of the jaws, said lugs being spaced alternately in respect to their lateral directions so as to be formed of a single piece of metal and integral with the body portion of the jaw, for the purpose described.

1,515,396. GRAIN SHOCKER. ALBIN PAULUS LOFSTRAND, Buffalo, N. Y. Filed Jan. 19, 1921. Serial No. 438,387. 23 Claims. (Cl. 56-423.)



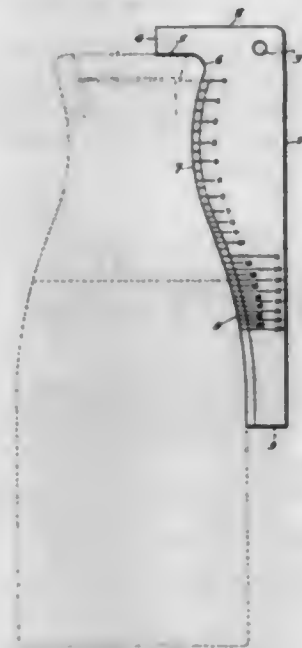
2. In an apparatus of the class described, upper guide tracks and lower guide tracks arranged in pairs and in spaced relation and each including a horizontal portion and an inclined portion, a bundle receiving cage traveling on said tracks and movable thereon from a receiving into a discharging position, and means for adjusting one pair of said tracks to cause the cage to maintain a substantially vertical position while being discharged regardless of the slope of the ground over which the apparatus is moved.

1,515,397. PLASTER-BOARD-HANDLING APPARATUS. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a Corporation. Filed June 14, 1922. Serial No. 568,362. 33 Claims. (Cl. 164-68.)



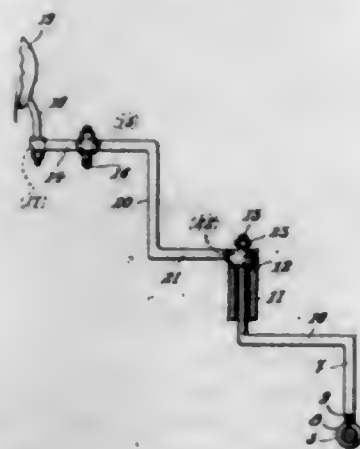
1. A plaster-board handling device comprising a truck movable longitudinally of the board, means carried by the truck for grasping the end of the board, yieldable drive means tending to automatically move the truck along with the board, said drive means exerting a constantly uniform effort, and power means for moving the truck in the opposite direction.

1,515,398. GAUGE FOR MEASURING CREAM IN MILK BOTTLES. WILLIAM H. MARCUSSEN, Brooklyn, N. Y. Filed Aug. 26, 1922. Serial No. 584,511. 3 Claims. (Cl. 73-51.)



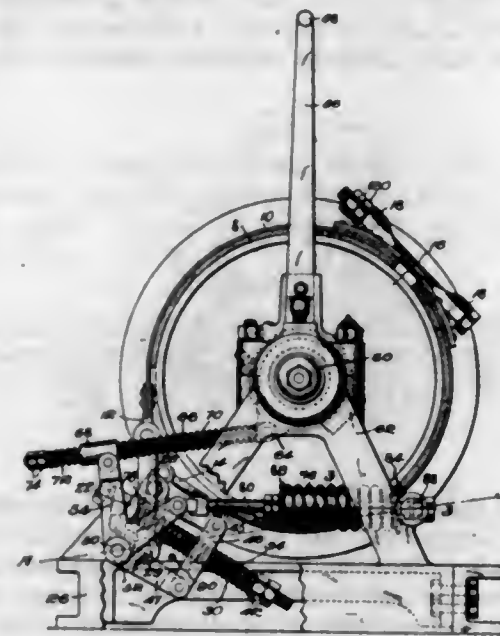
1. A cream gauge comprising a thin piece of material having one edge provided with a shoulder and also shaped to conform to the contour of the side of a standard transparent milk bottle, and further having a scale divided to indicate percentages by measure of the cream volume of the total volume of milk contents of the bottle, said scale extending downwardly from an initial or zero indication which bears such a relation to the said shoulder that when the shoulder is engaged with a given part of the bottle, the said indication will be coincident with the uppermost level of the milk within the bottle, the indications on the scale being spaced apart varying distances to accord with the varying diameter of adjacent sections of the bottle.

1,515,399. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. JOSEPH NEMETH, New Brunswick, N. J. Filed Nov. 29, 1922. Serial No. 604,006. 1 Claim. (Cl. 240-62.)



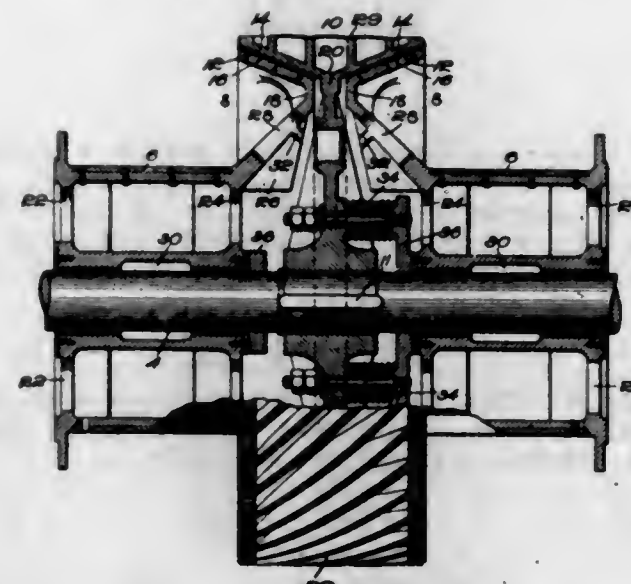
Dirigible headlight mechanism for automobiles comprising in combination with the automobile steering rod and a frame bar of a chassis, upper and lower angle brackets extending in stepped formation between the steering rod and frame bar, a headlight carried by the forward end of the upper angle bracket, the forward portion of said upper angle bracket rearwardly of the headlight being pivoted to the frame bar, a vertical sleeve carried by the lower end of the upper angle bracket pivoted to and adapted for vertical sliding movement on the upper portion of the lower bracket, and a horizontal sleeve carried by the lower end of the lower angle bracket adjustably secured on the steering rod.

1,515,400. BRAKE. ALMON E. NORRIS, Brookline, Mass. Filed Mar. 14, 1921. Serial No. 452,393. 22 Claims. (Cl. 188-77.)



1. In a brake mechanism, the combination of a brake automatically effective in one direction only, and brake-actuating means including a spring through which the brake-releasing force is exerted in releasing said brake to render the same ineffective.

1,515,401. CLUTCH. ALMON E. NORRIS, Brookline, Mass. Filed Apr. 29, 1921. Serial No. 465,377. 5 Claims. (Cl. 192-113.)

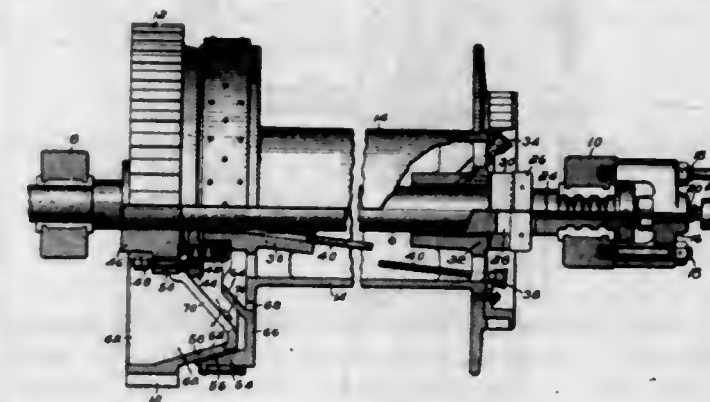


2. In a clutch, the combination of a pair of cooperating clutch members having frictionally engaging surfaces by which the power is transmitted from one to the other, one of said members being provided with a series of openings about the axis, and a series of ribs intermediate said openings to cause surplus oil to be caught by said ribs and directed to said openings.

1,515,402. FRICTION CLUTCH. ALMON E. NORRIS, Brookline, Mass. Filed Sept. 20, 1921. Serial No. 501,924. 8 Claims. (Cl. 192-113.)

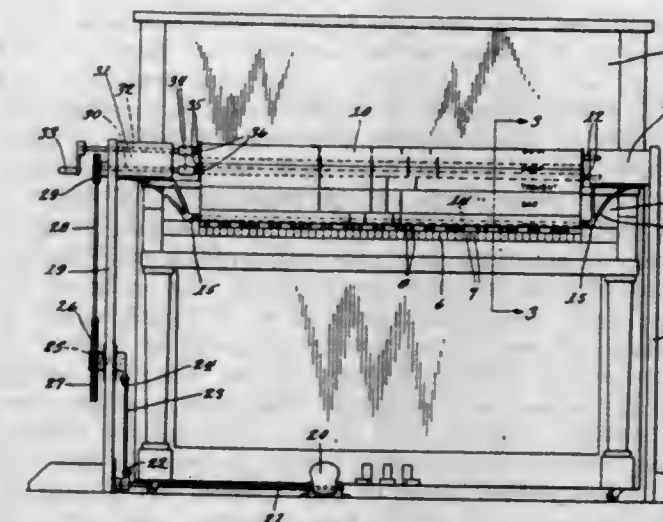
1. In a clutch, the combination of a shaft, bearings therefor, inner and outer, frictionally engaging parts which are mounted on said shaft and transmit power from one to the other by reason of their frictional engagement, one of said parts being fixed to said shaft and the other slidable lengthwise thereon, a renewable lin-

ing affording the friction surface of said inner part, fastening members extending through said lining and said inner part to secure said lining to said inner part, the latter being hollow and having an open end affording access to the inner ends of said fastening members and space for their removal and replacement by manipulation within said space, and operating means for causing driving engagement of said parts by moving said slidable part lengthwise on said shaft, said operating means including a thrust member adapted to be displaced from its normal position to permit an abnormal movement of said slidable part toward the adjacent bearing to a position affording access to the outer ends of said fastening means.



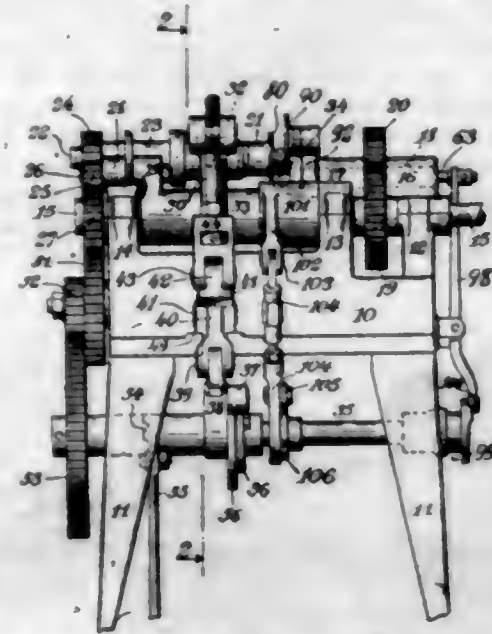
3. In a clutch, the combination of a pair of cooperating clutch members having frictionally engaging surfaces by which the power is transmitted from one to the other, each of said members being provided with means independently of the others to catch surplus oil and each having an outlet to conduct oil to the exterior of the clutch thereby to prevent the same from reaching said surfaces.

1,515,403. DEVICE FOR TEACHING PIANO PLAYING. ARNOLD J. OHLSEN, Cleveland, Ohio. Filed Sept. 11, 1922. Serial No. 587,389. 1 Claim. (Cl. 84-83.)



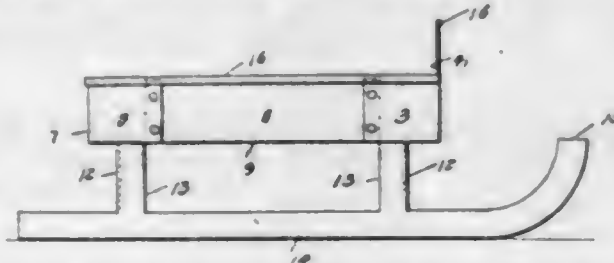
An instruction device for keyboard instruments comprising a sheet extending across the keyboard provided with marks indicating particular keys, portable supports standing beside the instrument and unconnected therewith, bearing blocks at the top of said supports, a pair of spools journaled in said blocks and to which the ends of the sheet are connected, brackets depending from said blocks to positions adjacent opposite ends of the keyboard, a roller mounted in bearings in said brackets and around which the sheet extends closely adjacent the keyboard, and means mounted on one of said supports to revolve one of the spools.

1,515,404. CAP-MAKING MACHINE. HERMAN OSS-WALD, Richmond Hill, N. Y. Filed Oct. 21, 1920. Serial No. 418,349. 14 Claims. (Cl. 13—52.)



1. The combination of an inner die adapted to support the blank to be acted on from within the same, an outer die, means for moving the latter into operative relationship with the said inner die to act on the blank and means rotatably carried by said inner die for supporting a portion of the blank during the operations thereon.

1,515,405. COMBINED SLED AND BOX. AUGUST PETERSON, Triumph, Minn. Filed Apr. 5, 1922. Serial No. 549,712. 1 Claim. (Cl. 46—37.)

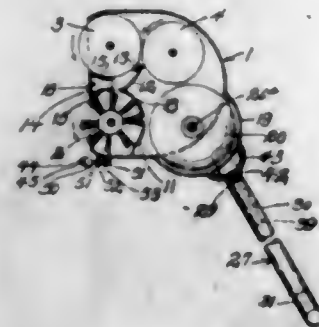


A combined sled and box formed from a single blank of material, the same having portions cut therefrom and discarded and other portions partly cut therefrom and bent to form runners, a cross piece connecting the front ends of the runners, a bottom, a front, a back, and sides, the front and back each having opposed flaps which flaps form parts of the sides and the ends of which overlap and are secured to corresponding ends of the sides, connecting portions intermediate the runners and bottom and disposed inwardly of the ends of the bottom, said connecting portions of a length equal to the length of said flaps, triangular portions formed on the connecting portions by the cutting away of certain of the discarded portions, said triangular portions bent and disposed beneath the bottom and having tongues passing through slots in the corner portions of the bottom, the projecting ends of the tongues being bent to retain the parts in the located position, and said triangular braces serving to strengthen the connecting portions and hold them in proper position relative to the bottom, said flaps being of a length equal to the distance between the bottom and the runners, whereby a box of the maximum length is obtained from a sheet of metal of given size, and the amount of metal discarded is reduced to a minimum.

1,515,406. WINDOW-POLISHING MACHINE. JOHN J. PETERSON, Steubenville, Ohio. Filed Mar. 18, 1921. Serial No. 453,230. Renewed Apr. 12, 1924. 6 Claims. (Cl. 15—103.)

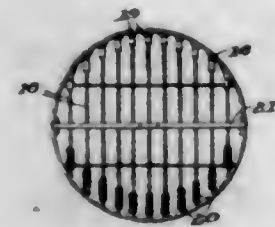
1. In a machine of the character described, a casing, a brush rotatably mounted in the casing and projecting

beyond the same, a polishing roller rotatably mounted in the casing in advance of the brush, means for rotating the brush and roller, a receptacle supported between the brush and roller, a guard plate fitting about the inner portion of the brush and provided at its inner edge with an upwardly and forwardly directed element, the inner



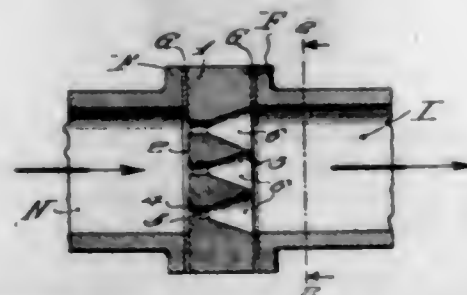
edge of said guard plate being spaced above the adjacent wall of the receptacle and means for removing foreign materials from said roller and directing the same against the upwardly and forwardly extending element of the guard plate, said element being disposed to direct these materials into the receptacle.

1,515,407. DISHWASHING MACHINE. WALTER B. PIERSON, Section 5-6, Town 8, Range 13, Ill. Filed May 22, 1922. Serial No. 562,776. 2 Claims. (Cl. 141—9.)



1. A dish rack comprising a rim member, a plurality of spaced parallel wires extending thereacross, coil springs connected at one end with the rim and at their other ends with said wires respectively, and means for adjusting the wires longitudinally for varying the tension of said springs.

1,515,408. FUEL AND AIR MIXER. EDMUND W. PORTER, Waukesha, Wis. Filed May 12, 1924. Serial No. 712,702. 1 Claim. (Cl. 48—180.)



A fuel and air mixing attachment comprising a single solid elongated block adapted to be secured between the usual carburetor and intake manifold and having opposite closely spaced flat sides, said block being formed with bolt holes in its ends from one flat side to the other and also having a plurality of fuel conducting openings from said one flat side to the other, said openings decreasing in diameter from their inner ends for short distances to compress the air and fuel vapor drawn therethrough, being then of uniform diameter throughout short portions of their lengths, and then gradually

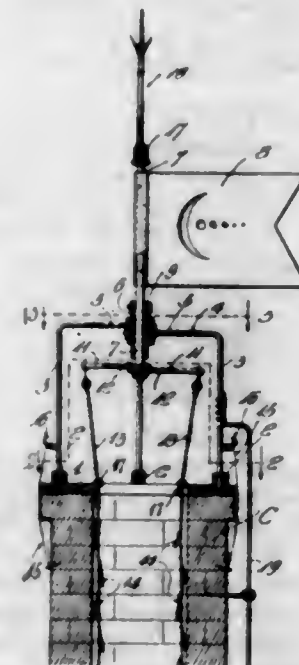
increasing in diameter to their outlet ends to cause gradual expansion of the air and fuel vapor, promoting thorough mixture thereof, said openings forming the sole fuel conducting means from the carburetor side of the block to the manifold side thereof, said block being imperforate with the exception of said bolt holes and openings.

1,515,409. COMBINED RAIL JOINT AND SEAT. JAY CLIFFORD REAMER, Santa Monica, Calif. Filed Feb. 26, 1923. Serial No. 621,285. 4 Claims. (Cl. 238—190.)



3. The herein disclosed device, comprising plates adapted to be applied at opposite sides of adjoining rail ends and overlapping said rail ends at their opposed end portions; said rail ends having the usual crown and base portions, said crown being formed to interlock with the plates, and means for interlocking the plates in stress resisting relation beneath the rail base portions.

1,515,410. CHIMNEY CLEANER. JOSEPH RENNER, Lagro, Ind. Filed Sept. 26, 1922. Serial No. 590,730. 3 Claims. (Cl. 15—249.)

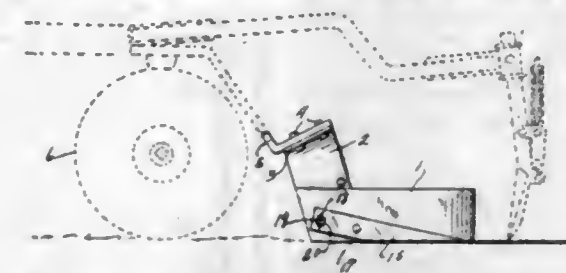


1. A chimney cleaner comprising a bearing, means for supporting the bearing in a position spaced above the top of the chimney, a vertically disposed shaft rotatable in the bearing and extended on opposite sides thereof, a wind vane secured rigidly to said shaft above the bearing for imparting rotation to the shaft, an adjustable cross-head secured to the portion of the shaft below said bearing, and a plurality of chains carried by and depending from said cross-head into the chimney to remove the soot deposits from the inner faces of the walls thereof when said shaft is set into rotation.

1,515,411. WEEDER. DANIEL E. RICE, Duke, Okla. Filed Nov. 13, 1922. Serial No. 600,599. 1 Claim. (Cl. 27—140.)

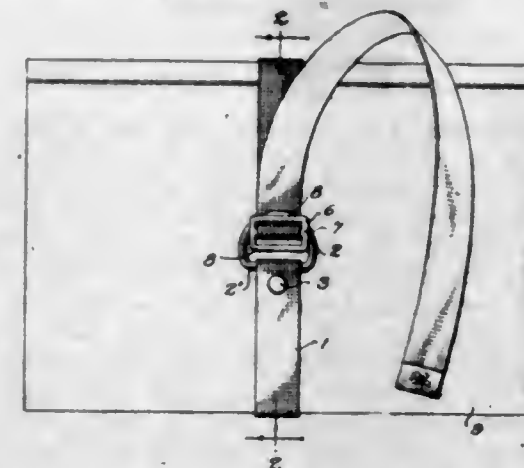
A weeding device comprising a pair of spaced runners substantially in parallelism, an upwardly disposed and forwardly inclined plate secured to the forward end portion of each of the runners, the upper end portion of the

plate terminating in an outwardly disposed flange substantially perpendicularly related to the hanger, said flange providing means for attaching the hanger to a



rearwardly directed arm carried by a cultivator, means for connecting the runners and maintaining the same in desired spaced relation, and cutting blades extending outwardly and rearwardly from the runners.

1,515,412. QUICK-RELEASE FASTENER. NATHAN RITTER, Brooklyn, N. Y. Filed June 27, 1923. Serial No. 647,978. 2 Claims. (Cl. 24—197.)



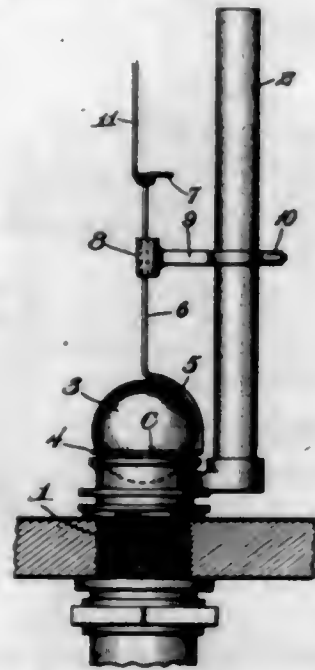
1. A fastener, comprising a loop, a strap secured at one end to the loop, and a slide appreciably narrower than the internal width of the loop and adjustable on the strap and movable freely through the loop without lateral movement, said loop having tapering sides against which the strap is clamped by the slide and the latter adapted to fulcrum thereon for quick release.

1,515,413. OVEN-DOOR HINGE. CLARENCE V. ROBERTS, Philadelphia, and KENNETH C. FARNSWORTH, Glenside, Pa., assignors to Robert & Mauder Stove Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 16, 1923. Serial No. 639,309. 5 Claims. (Cl. 126—194.)



1. The combination of a frame; a door mounted on the frame and having rearwardly and downwardly extending hinge members; bearings on the lower portion of the frame in which the hinge members are mounted; a box enclosing the hinge members and forming part of the bearing; and means for securing the box to the frame.

1,515,414. VALVE MECHANISM. BENJAMIN FRANKLIN ROCKHILL, Columbus, N. J. Filed May 2, 1923. Serial No. 636,213. 1 Claim. (Cl. 4-57.)



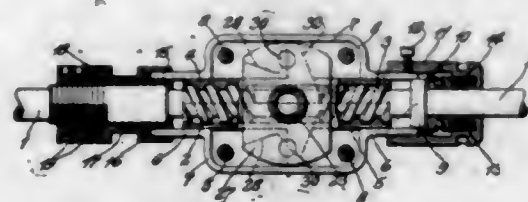
The combination with a valve seat, and a ball valve therefor; of a cage for the ball valve including an annular member through which the ball valve partially extends from above, an arm carried by the annular member and overlying the ball valve and terminating at substantially the axial center of the ball valve, and a second arm extending from the first named arm, said annular member and both of the arms being formed from a single length of material, the first named arm permitting free application of the ball valve upon the annular member and constituting the only means for holding the ball valve against displacement with respect to the annular member.

1,515,415. BREACH PROTECTOR FOR FIREARMS. OTTO I. RONNINGEN, Madison, Minn. Filed Sept. 25, 1923. Serial No. 664,729. 1 Claim. (Cl. 42-1.)



A device of the class described comprising a shield element adapted to engage over the breech portion of a fire arm, a longitudinally directed guide rod extending in advance of the shield element, a tubular member slidably engaging said rod, divided attaching bands in spaced relation connected to said tubular member and means adapted to compress said bands on the arms structure.

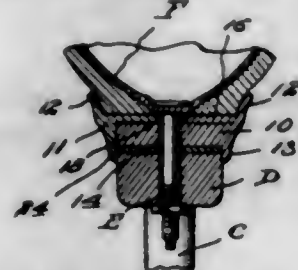
1,515,416. STEERING DEVICE. EDWARD B. ROTH, St. Louis, Mo., assignor to Simplex Steering Gear Co., St. Louis, Mo., a Common-Law Trust. Filed Aug. 21, 1922. Serial No. 583,447. 12 Claims. (Cl. 74-79.)



1. A steering device, comprising a casing, bearings at the opposite ends of the casing, a pair of sliding members having their opposite ends mounted in said bearings, right hand threads on the inside of one of said members, left hand threads on the inside of the other member, a steering post extending into said casing and having right and left hand threads engaging

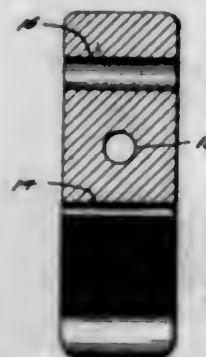
with the threads on said sliding members respectively, an abutment shoulder on said steering post below said sliding members and said threads, a thrust bearing, a cap attached to one of said bearings, and a spring in said cap, pressing said thrust bearing against said abutment shoulder.

1,515,417. WHEEL RIM. CHARLES SCHEROENS, St. Louis, Mo. Filed Apr. 10, 1922. Serial No. 551,075. 1 Claim. (Cl. 152-21.)



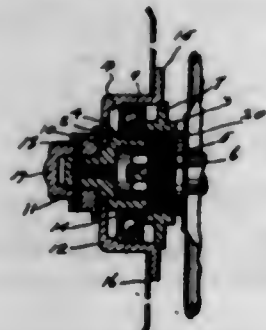
A separable wheel rim consisting of a pair of cylindrical rim members telescopically engaged and provided at their outer edges with tire engaging flanges and provided at their outer edges with inwardly extending flanges engageable with opposite sides of the wheel felly, plate members secured upon the outer periphery of the inner member and engageable within transverse recesses in the outer member, said plate members terminating in threaded extensions passing through holes in the second named flange of the outer member, and nuts screwed upon said threaded ends.

1,515,418. LINE TAKE-UP DEVICE. ARTHUR C. SMITH, Meriden, Conn. Filed Mar. 10, 1924. Serial No. 698,223. 1 Claim. (Cl. 24-130.)



A take up device for clothes lines or the like comprising a member having transverse bores arranged at right angles to each other, one end of the line being passed through one of said bores and secured to said device, the other bore receiving the free end of the line, and said device being bifurcated at one end to define a wedge shaped slot adapted to receive the free end of the line for the purpose specified.

1,515,419. ADVERTISING DEVICE FOR AUTOMOBILES. CURTIS F. SMITH, Kansas City, Kans. Filed May 29, 1922. Serial No. 564,631. 1 Claim. (Cl. 40-129.)



In an advertising device for automobiles, the combination with the vehicle wheel, of a hub cap mounted on the hub of the wheel and having an annular flange

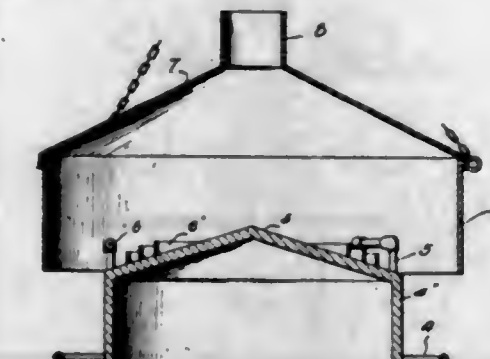
disposed vertically of the wheel, a cap member mounted over said hub cap and forming with the flange thereon an annular box for the reception of antifriction devices permitting the hub cap to turn with the vehicle wheel and the second mentioned cap to idle thereon, a circular disk attached to said second mentioned cap, and a tie rod connected to said disk and to the vehicle to hold the disk stationary.

1,515,420. STORE SHELF AND LADDER CONSTRUCTION. BENJAMIN K. TRAYLOR, El Campo, Tex. Filed June 19, 1923. Serial No. 646,880. 4 Claims. (Cl. 228-53.)



1. In combination with a normally inclined ladder, a shelf support slidably mounted on said ladder, a shelf pivotally carried by said support, means for adjustably retaining said shelf in a horizontal position upon whichever side of the ladder said shelf is arranged, a handle to be grasped for elevating said shelf, a ratchet on said handle cooperating with means associated with said ladder for holding said shelf in various positions of elevation, said ratchet being formed with a portion to be grasped when the handle is grasped for releasing said ratchet in the act of elevating said shelf.

1,515,421. TIRE HEATER. ULYSSES G. B. UPDEGROVE, Cimarron, Kans. Filed Sept. 25, 1922. Serial No. 590,525. 1 Claim. (Cl. 263-5.)

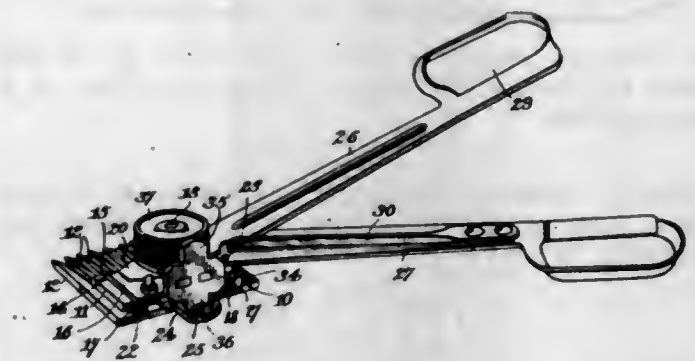


A tire heater of the character described comprising a rounded casing, a conical shaped top formed on said casing, burners arranged adjacent said casing in a manner whereby said conical shaped top is in the path of the flame of the burner for the purpose specified.

1,515,422. HAIR CLIPPER. ERNEST ALWIN VETTER, Brooklyn, N. Y. Filed Jan. 15, 1924. Serial No. 686,412. 4 Claims. (Cl. 30-1.)

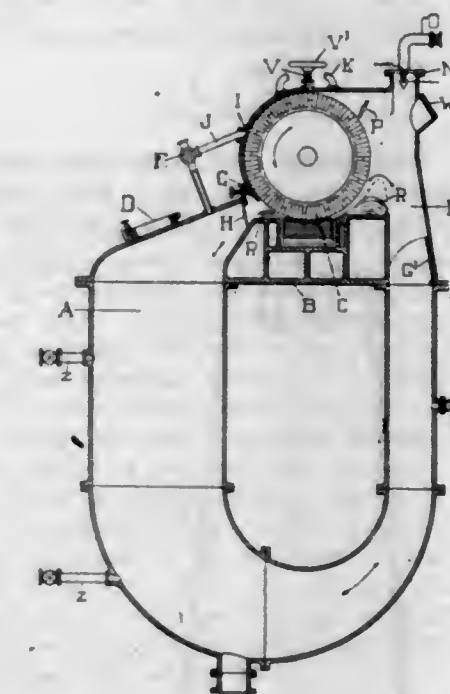
1. In a hair clipping device a stationary blade and a movable blade each having cutting teeth, the movable blade having a slot, a threaded concentric stud on

the stationary blade extending through the slot in the movable blade and having means for preventing relative separation thereof while permitting of reciprocatory movement therebetween, and means for actuating the said blades comprising an apertured ear carried by the movable blade, a pair of eccentric trunnions projecting upwardly from the stationary blade, a pair of pivotally connected operating handles having an ap-



erture at their pivotal point for engaging over the threaded stud, oppositely projecting lugs on one of the handles selectively engageable in the apertured lug, the opposite handle member having an opening selectively engageable with the eccentric trunnions and a nut for engagement on the threaded stud to retain the handles in place, whereby said handles are capable of operative connection with the blades to dispose the same in a position projecting from either end thereof.

1,515,423. BEATING OR COMMINUTING OR PULPING MACHINERY FOR PAPER MAKING AND OTHER LIKE PURPOSES. HERMAN ARLETER, Tunbridge Wells, England. Filed Nov. 29, 1920. Serial No. 427,164. 6 Claims. (Cl. 92-25.)



1. A hollander comprising in combination a containing vessel, a beater roll, a bed plate and static means to establish a head of stuff on the inlet side of the roll.

1,515,424. BUMPER AND ATTACHING MEANS THEREFOR. LEWIS F. STAFFORD, Chicago, Ill., assignor to Stafford Spring Guard Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 28, 1922. Serial No. 591,074. 6 Claims. (Cl. 293-55.)

6. A bumper attaching bracket comprising a plate one face thereof being provided with an open pocket in

which a bumper arm is adapted to be mounted and the opposite face of said plate having spaced oblique ribs



that converge slightly towards each other to fit and receive the flanges and web of a channel side-sill of a vehicle chassis.

1,515,425. TOILET ARTICLE. ALFONSO A. BANKS, New York, N. Y. Filed July 13, 1920. Serial No. 396,039. 2 Claims. (Cl. 132-29.)



1. As a new article of manufacture, a comb cleaner comprising end pieces of relatively soft, flexible non-metallic material, and a plurality of spaced parallel cords connecting said end pieces.

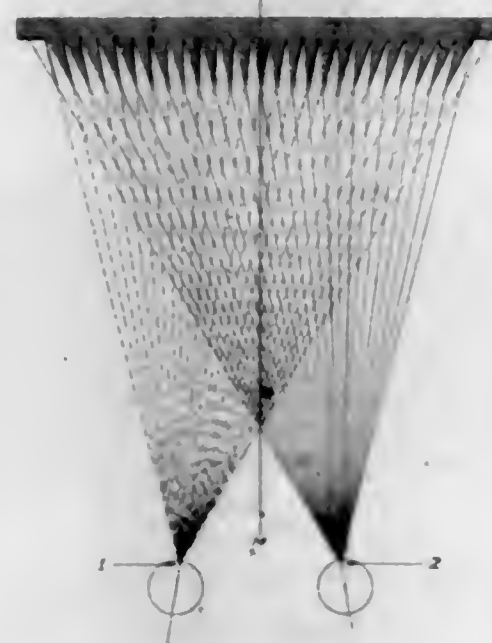
1,515,426. TROUSERS CREASER AND HOLDER. NEWTON J. BISHOP, St. Louis, Mo. Filed Sept. 25, 1922. Serial No. 590,414. 1 Claim. (Cl. 223-19.)



In a device of the character described, a body portion including a length of wire bent intermediate its ends, to provide opposed arms, the intermediate portion of the length of wire being formed into a plurality of curved portions to lend resiliency to the arms, the free ends of

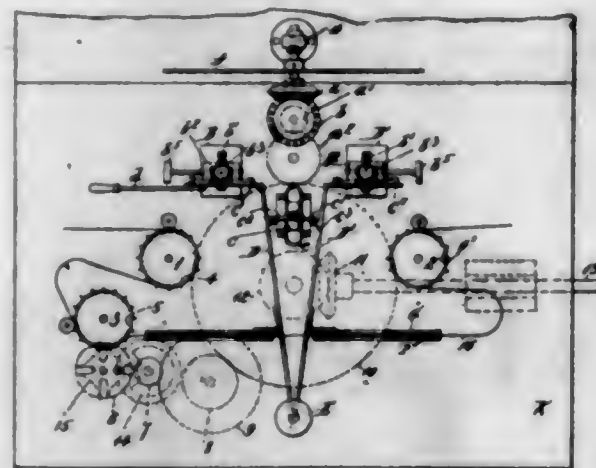
the arms extending inwardly and overlying each other, the extremities of the inwardly extended portions being formed into loops, a coiled spring disposed between the loops for normally urging the arms away from each other, and ring members carried by each loop portion and adapted to embrace portions of the adjacent inwardly extended end portion to guide the movements of the arms.

1,515,427. STEREOSCOPIC PROJECTION SCREEN. CHARLES BOVIN, Boston, Mass. Filed Jan. 26, 1922. Serial No. 531,937. 2 Claims. (Cl. 88-24.)



1. If the distance of projection and the distance of viewing projected images upon such a screen are equal or nearly so, each eye will see only the image properly belonging to it.

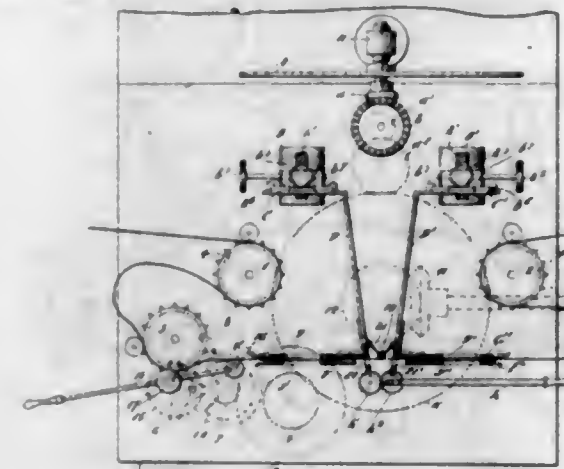
1,515,428. STEREOSCOPIC MOTION-PICTURE PROJECTOR. CHARLES BOVIN, Boston, Mass. Filed June 10, 1922. Serial No. 567,457. 2 Claims. (Cl. 88-16.4.)



1. In a stereoscopic motion picture projection machine a pair of projection lenses, means for intermittently advancing a film in a horizontal direction one and one-half inches, means for effecting two projections one right and one left intermittently during the same period of rest of the film, said projections being made from two points of position which correspond to the position of right and left pairs of images on film, a film gate having two openings spaced apart a distance corresponding to the distance of the points of projection of the right and left images and the distance of said projection lenses, a shut-

ter having a single opening for projecting right and left pairs of images intermittently during the same period of rest of the film, means for equalizing convergence of the projecting lenses, and a Maltese-cross intermittent device having gears and sprocket wheel for drawing the film through the film gate.

1,515,429. STEREOSCOPIC MOTION-PICTURE PROJECTOR. CHARLES BOVIN, Boston, Mass. Filed June 28, 1922. Serial No. 570,359. 3 Claims. (Cl. 88-16.6.)



1. In a stereoscopic motion picture projector, the combination of a pair of partitions, a projection lens on the forward end of each partition, a film gate on the rear end of each partition in line with the respective lenses, a pressure plate for each film gate for maintaining a film thereacross, intermeshing gears carried on the partitions to cause the simultaneous and equal divergence and convergence of the partitions and elements carried thereby, a handle connected to one of the gears for operating the same, a take up device connected to and arranged between the partitions for adjusting the film on the film gates to automatically maintain registry of the images of the film with the apertures of the film gates, drawing means for a film to pull it through the film gates and including a sprocket wheel, a handle, and a roller carried by the handle in position to engage the film between the gates and the sprocket wheel for varying the length of film therebetween.

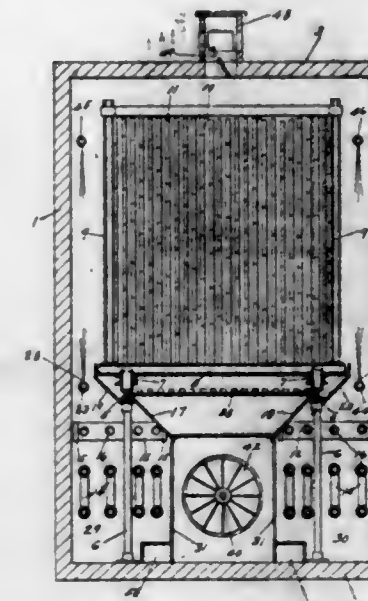
1,515,430. REAMER. CHARLES E. BROWNE, Oakland, Calif. Filed Dec. 27, 1922. Serial No. 609,174. 12 Claims. (Cl. 77-75.5.)



1. A reamer comprising a body, a radially adjustable guide member mounted on said body and inclined to the longitudinal axis thereof, and a straight blade arranged on said body adjustable independently of said guide.

328 O. G.—32

1,515,431. DRYING KILN. J. FORREST CORB, Portland, Oreg. Filed Oct. 30, 1923. Serial No. 671,761. 16 Claims. (Cl. 34-46.)



2. A dry kiln comprising a chamber, and truck-supporting tracks therein, in combination with mutually converging baffle plates extending below said tracks substantially the length of the chamber and spaced from the sides of the chamber, respectively, and from each other, and means for producing heated air circulation within the chamber between the baffle plates and at the respective sides thereof.

1,515,432. CAP FOR MILK BOTTLES. DAVID GENESE, Baltimore, Md. Filed June 28, 1923. Serial No. 648,374. 6 Claims. (Cl. 215-51.)

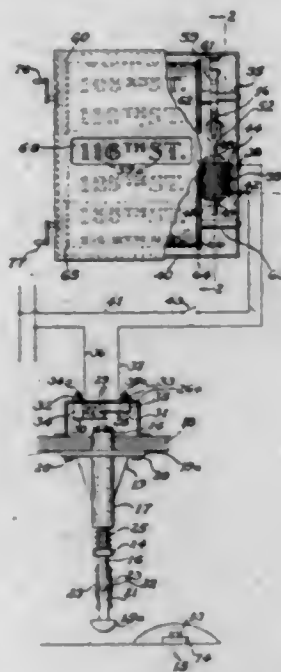


1. A cap or closure for milk bottles and the like, consisting of a disk having a central slot therethrough and a stiff gripping means comprising an upper gripping member of greater length than the length of the slot and provided with centrally disposed integrally formed, depending securing members of less width than the length of the said gripping member and inserted through the said slot and reversely bent against the underside of the disk, angular shoulders of equal length being formed at opposite sides of the securing members by the greater length of the gripping members relatively to the securing members, said shoulders extending outwardly beyond the opposite terminals of the slot and drawn in tight bearing contact with the top of the disk by the reversely bent securing members to prevent the gripping member from being forced through the disk and to cause the shoulders to close the ends of the slot.

1,515,433. STATION INDICATOR. EDWARD H. GEORGIA, Waterbury, Conn. Filed Feb. 5, 1924. Serial No. 690,740. 5 Claims. (Cl. 40-59.)

1. In a street or station indicator for a railway car or the like, a signal device, an electromagnet adapted to be intermittently energized to cause said signal device to indicate the successive streets or stations along the route, an electric circuit for supplying electric current to said electromagnet, a switch in said circuit, said switch having a pair of horizontal arms with their extremities overlapping and slightly spaced apart, a verti-

cally slidable rod in alignment with said extremities, and a shoe resiliently connected to the lower end of said rod, said shoe being adapted to be engaged by an obstruction



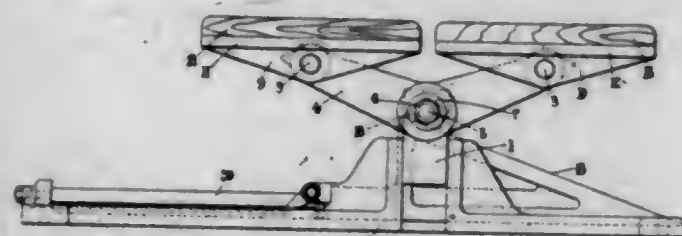
alongside the track whereby the rod will be slid upwardly to close the electric circuit and energize the signal-actuating electromagnet.

1,515,434. DRILL BIT. GEORGE H. GILMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 2, 1919. Serial No. 287,029. 14 Claims. (Cl. 255-64.)



11. A drill bit having a plurality of arcuate cutting edges, reaming edges in which said cutting edges terminate, said reaming edges being disposed in the wall of a cylinder, and a reaming edge supporting means whose outer surface recedes from the wall of the cylinder at the same angle at every point on the reaming edge.

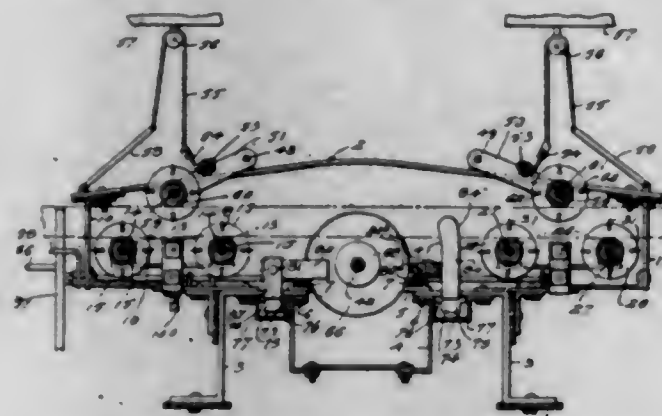
1,515,435. BILGE BLOCK, KEEL BLOCK, AND THE LIKE. WILLIAM G. GLOVER, London, England. Filed June 30, 1924. Serial No. 723,367. 8 Claims. (Cl. 61-66.)



1. A bilge or analogous block for supporting vessels in slip-ways, floating docks, graving docks and the like, comprising a plurality of self-adjusting abutment members for raising into supporting contact with a vessel over a plurality of distributed points, a base having vertical guideways, pillars slidable vertically in the guideways of said base, beams articulated to said pillars, said self-

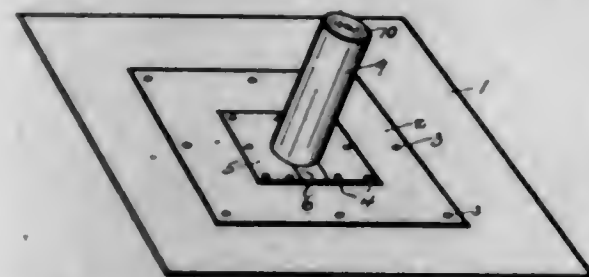
adjusting abutment members being articulated upon said beams, means carried by said base to elevate positively said plurality of abutment members simultaneously into operative position, said abutment members conforming to the contour of the vessel on contact therewith, and means to hold said elevating means positively against returning.

1,515,436. FLITCH MACHINE. GEORGE M. GOETHE, Jacksonville, Fla. Filed Sept. 29, 1920. Serial No. 413,535. 6 Claims. (Cl. 143-37.)



1. A sawing machine having a rotary saw, a slidable bar disposed in advance of the saw, a slidable bar parallel with said bar and disposed to the rear of the saw, plates rising from said bar, a shifting strap member, said shifting strap member spanning said plates, means securing said shifting strap member to said plates, said saw having a hub provided with a groove, said shifting member having an offset portion disposed in said groove, guide fingers for the saw on the first mentioned bar, a separator on the other bar substantially in line with the saw, and means common to and adapted to operate said bars in unison.

1,515,437. HAWK. JACOB HEALD, St. Louis, Mo. Filed Aug. 22, 1923. Serial No. 658,764. 1 Claim. (Cl. 72-135.)

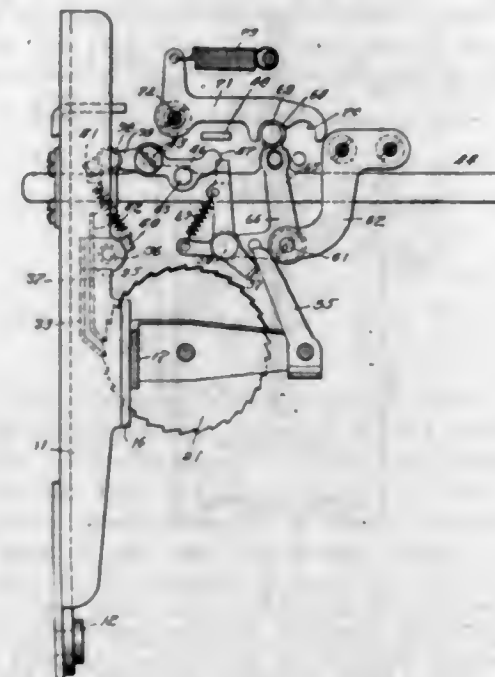


As a new article of manufacture, a tool of the kind described comprising a body-plate flat on its upper surface and a reinforcing plate disposed flatwise at its upper face upon the under face of and permanently fixed to the body-plate, in combination with a third plate disposed flatwise at its upper face upon the under face of and permanently fixed to the reinforcing plate, said third plate being provided with an open-end groove, and a handle including a post provided at an end with a plate slidably fitting for removal in said groove.

1,515,438. RIBBON MECHANISM FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Sept. 13, 1920. Serial No. 410,044. 7 Claims. (Cl. 197-165.)

1. In combination, a ribbon spool, means for rotating said spool, mechanism for reversing said rotating means, a movable member for actuating said reversing mechanism, a spring-controlled member for effecting operative

connection between said movable member and said reversing mechanism, and a spring-controlled device for retaining said spring-controlled member out of operative position.

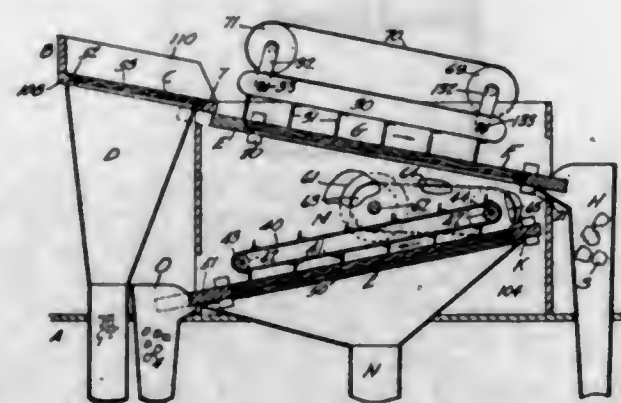


tion, said device being movable by the ribbon on said spool for permitting said spring-controlled member to effect cooperative connection between said movable member and said reversing mechanism.

1,515,439. ADHESIVE AND COATING COMPOSITION. HOWARD F. JENKINS, Jeannette, Pa. Filed Dec. 4, 1922. Serial No. 604,895. 9 Claims. (Cl. 134-51.)

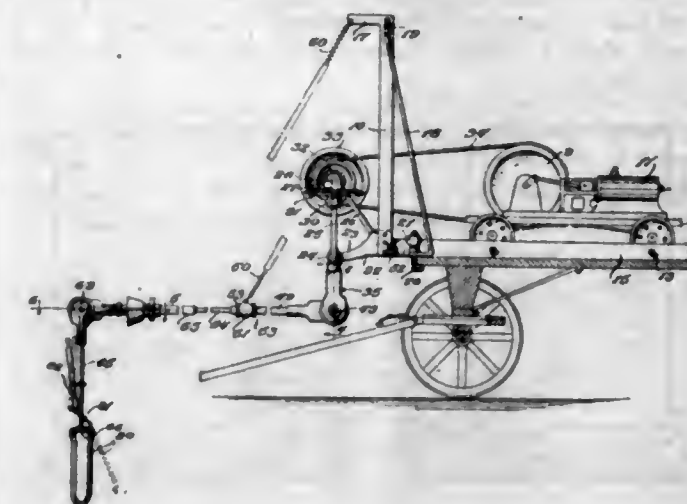
7. An adhesive for floor coverings or the like, containing manila gum, grain-alcohol and sufficient plaster of Paris to render the adhesive resistant to alkalis.

1,515,440. FIBER-SEPARATING MACHINE. SEBASTIANO MURABITO, Methuen, Mass. Filed Mar. 6, 1924. Serial No. 697,361. 3 Claims. (Cl. 19-65.)



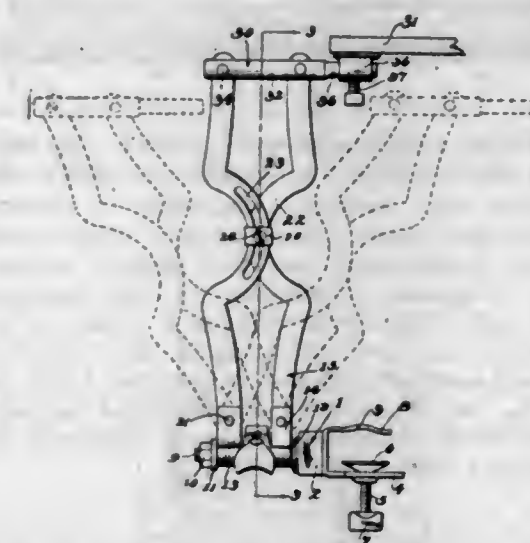
1. In a wool fiber separating machine, the combination with a frame: of a feed hopper supported thereby having an open side with a delivery lip and a fine screen as its floor; a dirt hopper thereunder; a sloping, reciprocating coarse screen which extends from under said lip; advancing mechanism arranged to intermittently advance the stock along said screen; a hopper to receive the large stock from said screen; a sloping reciprocating medium screen positioned under said coarse screen; advancing mechanism arranged to advance the stock along said screen; a hopper at the end thereof to receive the medium stock therefrom; and a dirt hopper under said medium screen; together with means to reciprocate the screens and to operate the advancing means.

1,515,441. PORTABLE AUGER FOR POSTHOLES. RICHARD W. PETERSON, Ceresco, Nebr. Filed Aug. 20, 1923. Serial No. 658,398. 3 Claims. (Cl. 255-19.)



1. In a boring tool, the combination with an auger with a revoluble spindle and a motor therefor; of a frame, a bracket secured thereon, a vertical shaft, bearings on said bracket for said vertical shaft, driving connection between the motor and the vertical shaft, and suitable transmission between the vertical shaft and said auger head permitting swinging and raising of said head in vertical planes, while the positioning of said head in horizontal planes takes place around the axis of said vertical shaft; said transmission including a pair of similar gear casings, one of said gear casings carried at the end of said vertical shaft and the other at the end of said auger spindle, and positive driving connection between said gear casings.

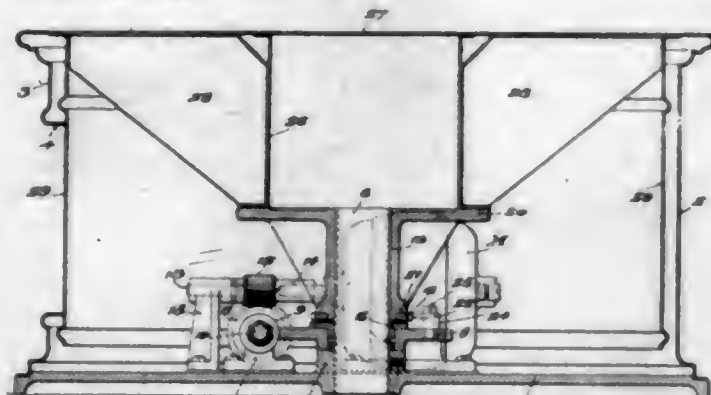
1,515,442. SHELF-SUPPORTING BRACKET. OREN A. RANKIN, deceased, late of Cynthiana, Ky.; by Mary Alice Rankin, administratrix, Cynthiana, Ky. Filed Apr. 29, 1924. Serial No. 709,825. 3 Claims. (Cl. 248-1.)



1. A supporting bracket comprising an attaching means, a pair of arms pivotally connected at their lower ends to the said means whereby to provide for swinging adjustment of the arms in unison, the said arms having their intermediate portions curved toward each other in overlapping relation, one of the arms having its said portion formed with an arcuate slot, a clamping means including an element engaging through the slot and

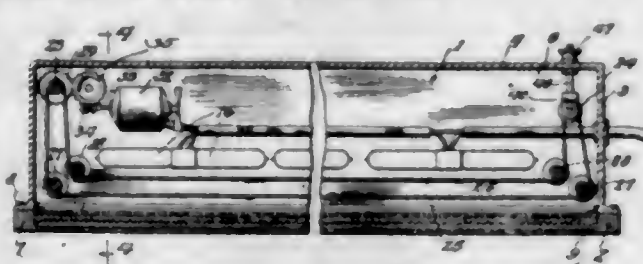
through the intermediate portion of the other arm, and means pivotally connecting the upper ends of the arms and constituting an attaching means for the object to be supported.

1,515,443. INTERMITTENTLY-REVOLVING DISPLAY STAND. JOSEPH M. REDINGER, Providence, R. I. Filed Feb. 1, 1924. Serial No. 690,045. 6 Claims. (Cl. 40—33.)



1. In a rotary display stand, a base, a casing on the base having a window, a sleeve rigidly secured to the base, a worm wheel rotatable on the sleeve, means to actuate the worm wheel, a cam having a high and a low side rigidly secured to the sleeve, a hub rotatable on the sleeve, a ratchet wheel rigidly secured to the hub, a pawl carried by the worm wheel and engageable with the teeth of the ratchet wheel when in register with the low side of the cam and being moved by the high side of the cam out of engagement with the ratchet teeth, a flanged head on the hub, a sleeve secured to the head, a top on the sleeve, a drum in the casing, and means to connect the drum to the hub so as to rotate with the latter.

1,515,444. ADVERTISING SIGN. PERCIVAL W. SHEPARD, Boerne, Tex. Filed July 7, 1922. Serial No. 573,366. 3 Claims. (Cl. 40—132.)

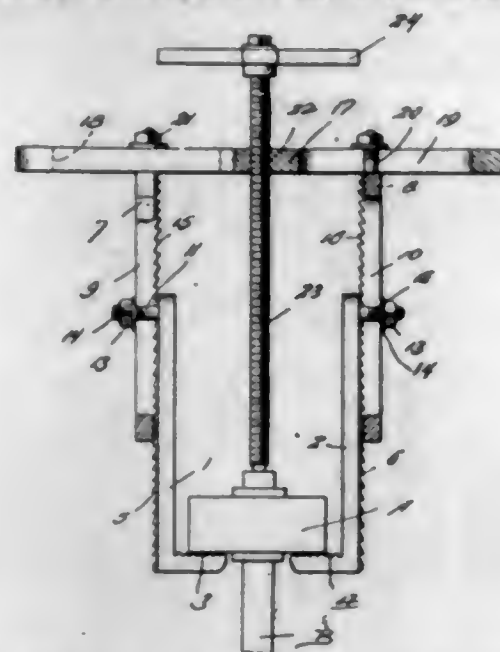


1. In a sign, a display surface having a light ray transmitting portion, a source of illumination, and a light ray transmitting color medium comprising an endless band having stretches passing opposite each other between the source of illumination and the display surface and traveling in opposite directions, the band having a plurality of color fields extending in a series in the general direction of travel of the band, the color fields extending substantially diagonally of the band, and all inclined in the same direction, the band having white light ray fields interposed between adjacent ones of the said color fields.

1,515,445. PULLEY REMOVER. WILLIAM R. E. SMITH, Cumberland, Md. Filed Mar. 25, 1924. Serial No. 701,765. 2 Claims. (Cl. 29—85.)

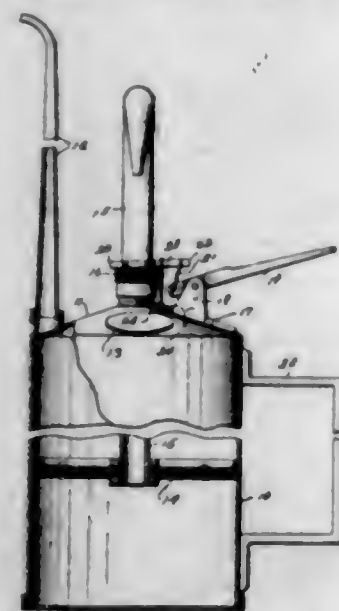
1. A pulley remover comprising a pair of substantially L-shaped members, the shorter arms thereof adapted to engage the pulley on a shaft at opposite sides thereof, a pair of elongated arms having longitudinal slots provided therein, fastening bolts carried by the outer ends or the longer arms of the L-shaped members and adapted to extend through the longitudinal slots in the last mentioned arms for adjustably securing the latter on

the L-shaped members, a cross bar extending transversely across the outer ends of the last mentioned arms, means for adjustably securing said arms on said cross bar, and



an actuating screw threaded member extending through the intermediate portion of said cross bar and having its inner end adapted to engage the end of said shaft.

1,515,446. FORCE-PUMP OIL CAN. EDWARD B. STELTER, Hingham, Mont. Filed July 3, 1924. Serial No. 724,048. 3 Claims. (Cl. 221—51.)

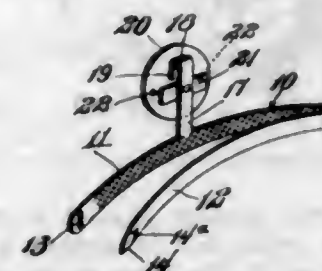


1. In a device of the character described, a body, a piston therein, a piston rod extending out through the top of the body, a clamping ring surrounding the piston rod and adapted to engage the piston rod for unitary upward movement upon an upward movement of the clamping ring but to disengage with the piston rod and permit a downward movement of the clamping ring independent of the piston rod upon a downward movement of the clamping ring, means for oscillating the clamping ring comprising a lever mounted upon the body, a link pivoted to the lever, the clamping ring having an arm to which the link is pivoted, a spring resisting upward movement, and a link engaging the spring and the clamping ring and urging the arm of the clamping ring downward and the ring into a horizontal position.

1,515,447. SUPPORT. IRA J. THOMAS, West Brownsville, Pa. Filed July 5, 1924. Serial No. 724,497. 2 Claims. (Cl. 24—3.)

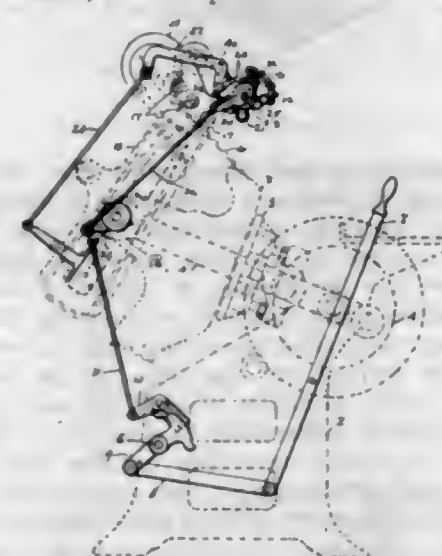
2. In a handkerchief holder or the like, a clasp embodying spaced arms adapted to receive and hold therebetween a handkerchief, one of said arms having secured

thereto a support, the upper end of the support being reverted and having attached thereto an ornamental button or the like, the button covering the point of reversion, the arms of said clasp being integrally connected at one end, the end of one arm having a slot, the end of the other arm having a tapered portion adapted to enter the slot, said slot being spaced from the point of connection of the arms a distance less than the length



of the other arm, the tapered portion of the last named arm having struck out therefrom a tang extending longitudinally of the arm and having its attached portion adjacent the free end of the arm, the free end of the tang being offset inwardly a slight distance from the inner face of the arm to thereby engage the other of the arms at the side of the slot to prevent disengagement of the arms until said tang is deformed.

1,515,448. INKING MECHANISM FOR PRINTING PRESSES. RALPH S. TYLER and HERBERT MCGEORGE, Cleveland, Ohio, assignors to The Chandler and Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 31, 1922. Serial No. 585,350. 4 Claims. (Cl. 101—341.)

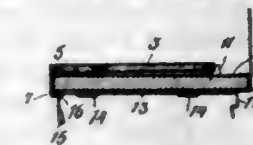


1. In a platen printing press provided with a throw-off adapted to shift the bed of said press without interrupting operation of the platen, the combination with an ink fountain mounted above the inking disk of said press, said fountain including an ink-feeding roller, a ratchet wheel connected therewith, an oscillatory arm and a pawl movably attached to said arm and adapted to progressively rotate said wheel; of connections between said arm and the roller frame of said press adapted to operate the former in unison with the latter; means adapted to retain said pawl in inoperative position; and means, independent of said retaining means connected with said throw-off adapted to positively move said pawl from operative to inoperative position and vice versa.

1,515,449. RUNNING-BOARD MAT. EDWARD NEVILLE VOSE, Darien, Conn. Filed Apr. 3, 1924. Serial No. 704,054. 5 Claims. (Cl. 280—169.)

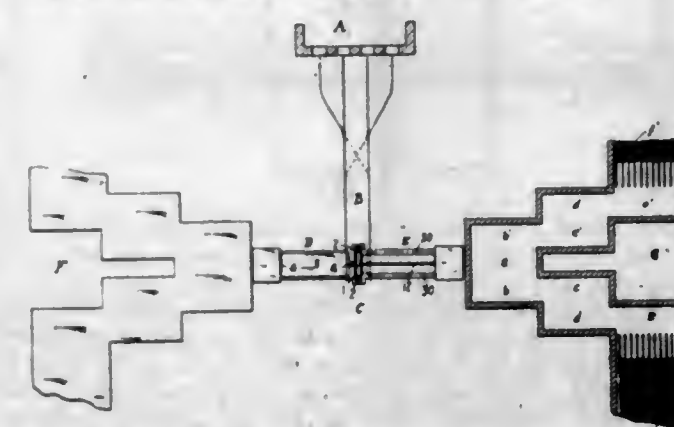
1. A mat for running boards, comprising a hinge, one member of the hinge adapted to be connected to the running board whereby the mat may be positioned either on top or against the underface of the running board, and means for holding the mat in its last-named position.

5. The combination with a running board, a hinge connected to the outer edge of the running board, a mat pivotally connected at its ends to one leaf of the hinge and adapted to be swung into position on top of



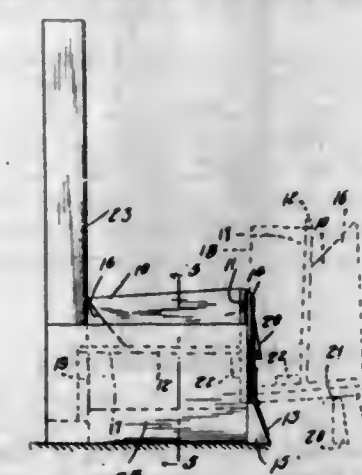
the running board or into position under the running board, and cushion blocks on the running board supporting the edge of the mat when the latter is thereon, said mat having a metal border and said metal border constituting a strengthening frame for the mat.

1,515,450. METHOD AND APPARATUS FOR THE MANUFACTURE OF GLASS PLATES. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed Nov. 29, 1918. Serial No. 264,569. 48 Claims. (Cl. 49—3.)



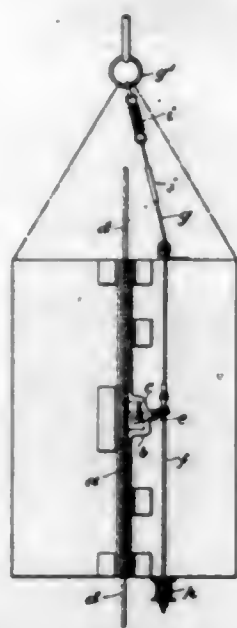
48. In apparatus of the class described the combination of a Janus faced table, means for depositing masses of molten glass at either end of said table, means for rolling out said masses to sheet form in alternately reversed direction thereon, means for reversing the table between successive rolling operations so as to reciprocally expose the opposite faces thereof to the heating effects of the molten glass, means for symmetrically cooling said faces by currents of cooling fluid flowing in the direction in which the last formed sheet was spread, means for pressing the successive sheets while they are supported on the alternately presented table surfaces and means of transferring the pressed plates from the said supporting surfaces to a plurality of lehrs each of which comprises a connected series of annealing chambers.

1,515,451. COMBINATION MANGER AND FEED BOX. GARRET H. WARD, Tillamook, Oreg. Filed Dec. 7, 1922. Serial No. 605,420. 4 Claims. (Cl. 119—27.)



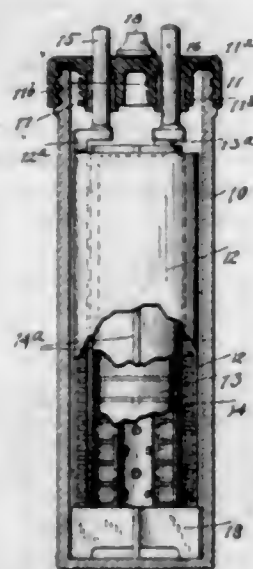
1. A feeding apparatus consisting of a feed box, means pivotally mounting said box whereby it may be swung from a feeding position to another position to constitute a wall of a manger, and means on the feed box to bridge the exposed space between its sides and the sides of the manger in the latter position.

1,515,452. SAFETY SUSPENDING APPARATUS FOR MINE CAGES AND LIFTS. SAMUEL WEBB and HORACE CROMWELL GUEST, Dudley, England. Filed Feb. 1, 1924. Serial No. 690,066. 2 Claims. (Cl. 187-88.)



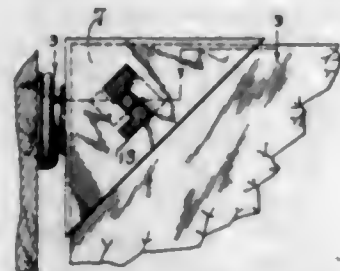
2. A safety suspension device for mine cages and the like, comprising a guide-rope slipper, a spring actuated gripper enclosed in a housing mounted on or forming a part of said guide-rope slipper, a gripper-actuating and control lever fulcrumed directly on the gripper housing, a winding rope for the cage, a master control spring interposed between said lever and winding rope, and a regulating and adjusting screw interposed between the said lever and master control spring, for the purposes herein set forth.

1,515,453. STORAGE BATTERY. THEODORE A. WILLARD, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Mar. 10, 1922. Serial No. 542,597. 6 Claims. (Cl. 136-29.)



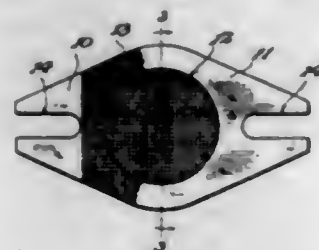
1. A storage battery cell comprising a container of insulating material having a threaded top portion, a cover adapted to be screwed thereon and positive and negative elements within the container having terminals extending through the cover and fitted tightly therein, said positive and negative elements being rotatable with the cover to permit the cover to be screwed upon the container.

1,515,454. WINDOW. MARY F. F. WILSON, New Rochelle, N. Y. Filed Aug. 1, 1923. Serial No. 635,063. 2 Claims. (Cl. 20-40.)



1. A supplemental window located in the lower portion of a window frame and comprising a pair of glass plates, pieces secured to the glass plates adjacent to the corners thereof, means for holding the said pieces and plates in assembled relationship, and means for detachably connecting the said pieces to the window frame.

1,515,455. ATOMIZING GASKET. WILHELM BROSCHEIT, Wayne, Nebr. Filed June 2, 1923. Serial No. 642,994. 1 Claim. (Cl. 48-180.)



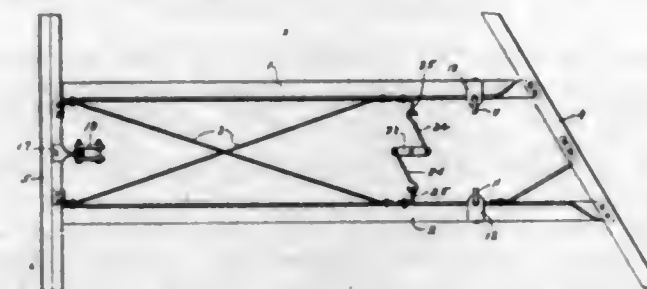
In an atomizing gasket, the combination of three superposed fibrous laminations comprising a center lamination and side laminations each provided with a central opening and notched at its ends, a pair of screens positioned between the laminations at opposite sides of said center lamination, and adhesive connecting the laminations with each other and anchoring said screens to form a gasket body having the openings of the laminations registering to form an orifice covered by said screens and having said notches registering to form slots at the ends of the body to receive fastening devices, said adhesive forming the sole bond between the laminations and said screens terminating short of said slots whereby the pressure of opposed elements clamping the gasket body therebetween will be localized centrally of the body about said orifice.

1,515,456. DIAPHRAGM-HOLDING RING FOR TALKING MACHINES AND OTHER ACOUSTICAL INSTRUMENTS. HORACE LEOPOLD TUCKER BUCKLE, Yiewsley, England. Filed Feb. 23, 1924. Serial No. 694,719. 3 Claims. (Cl. 181-31.)



1. A diaphragm holding ring having a channel portion extending around its circumference and flat annular sides extending inwardly from said channel portion toward the center of the ring and adapted to engage opposite faces of the diaphragm, said channel portion projecting both beyond the periphery of the diaphragm in the plane of the latter and laterally beyond said sides, when the ring is in an operative position, and forming a circumferential strengthening rib.

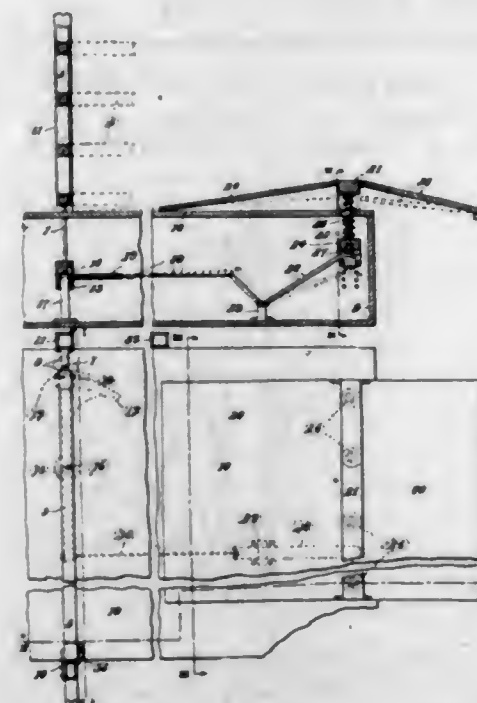
1,515,457. ROAD-GRADING DEVICE. LEONARD S. BURNS and FREDERICK D. WILSON, Ottumwa, Iowa, assignors, by mesne assignments, to Austin Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1921. Serial No. 520,934. 16 Claims. (Cl. 37-155.)



1. In combination with a portable frame, a depth-gauging frame connected therewith, formed of a pair of spaced-apart runners united by a cutting blade, diagonally disposed; means for communicating the weight of said portable frame to said runners, independently of each other; means for relieving the pressure from either of said runners, independently; and equalizing devices uniting said portable and depth gauging frames, and holding the latter frame from moving laterally of the portable frame.

2. In combination with the portable frame of a tractor, a pair of frames united at their forward ends by a diagonally disposed cutter blade; lever devices connecting the tractor frame with the forward ends of said frames; and means for yieldably connecting the rear ends of said frames with the tractor frame; said lever devices being capable of imparting the weight of said tractor frame to said pair of frames, or relieving the pressure thereof, as desired.

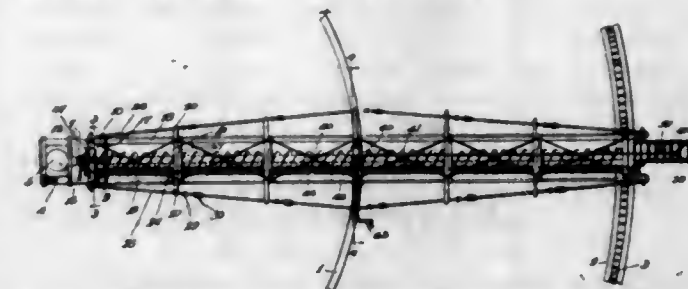
1,515,458. SWINGING-DOOR OR GATE-OPENING MECHANISM. ANTON CERVENY, Bellewood, Ill. Filed Nov. 9, 1922. Serial No. 599,849. 2 Claims. (Cl. 39-51.)



1. In combination with a horizontally swinging closure having a vertical pivot shaft fixed to one end thereof and depending below the latter, a casing adapted to be mounted with its top wall flush with the floor line of the closure and into which said shaft projects, a pinion upon the lower end of said shaft within the casing, a bracket within the casing having the shaft journaled therein, a horizontally swinging lever pivoted at one end upon a vertical axis within the casing and having a rack bar

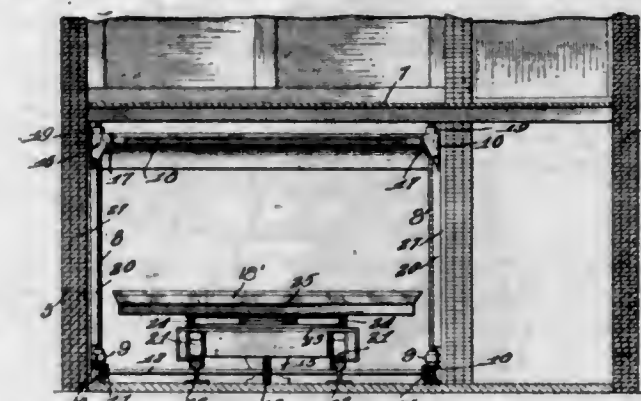
of arcuate form rigid upon the other end thereof in mesh with said pinion, said bracket forming a slide rest for said rack bar, a spring raised depressible platform, and operative connections between said platform and said lever including a link connected to the lever intermediate its ends, a horizontal guide bar fixed transversely in the casing, said operative connections embodying a plurality of guide rods fixed to the platform and slidably projecting through the top of the casing and said guide bar, and helical compression springs interposed between the guide bar and the platform and each encircling one of said guide rods.

1,515,459. GRADING EXCAVATOR. ERNEST L. COBLE, Alliance, Ohio. Filed Aug. 23, 1923. Serial No. 658,964. 9 Claims. (Cl. 37-190.)



1. An apparatus for the purpose set forth comprising a frame, means for mounting said frame for pivotal movement about one end, a motor at the pivotal end of the frame, an excavator extending longitudinally of the frame and operable to excavate material below the frame and deliver the excavated material at the free end of the frame, and means for operatively connecting the excavator with the motor.

1,515,460. DISPLAY DEVICE. JOSEPH H. COE, Burlington, Iowa, assignor of one-third to Emil F. Huneke and one-third to George E. Wheeler, both of Burlington, Iowa. Filed Mar. 21, 1923. Serial No. 626,599. 3 Claims. (Cl. 20-40.)

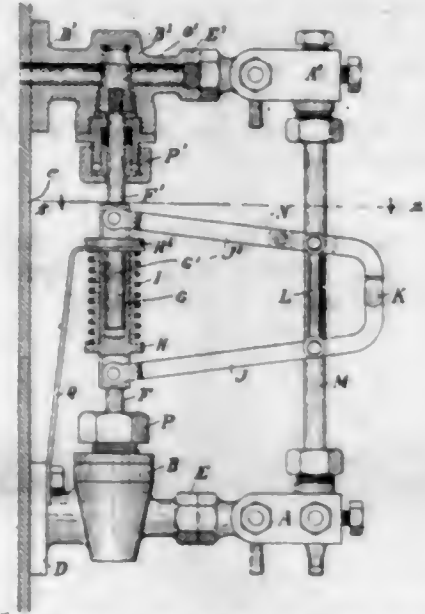


1. In combination with a display window and a way formed at the base thereof, vertically movable bracket members formed with inclined edges, a platform removably mounted on said members having inclined edges engaged by the inclined edges of the bracket members to restrict the platform against movement when supported on the bracket members, and means for moving the bracket members and said platform vertically in said way.

1,515,461. SAFETY VALVE FOR LIQUID GAUGES. WILLIAM DALLAS and DUNCAN LIVINGSTON, Rangoon, Burma, India. Filed Nov. 2, 1921. Serial No. 512,295. 2 Claims. (Cl. 73-54.)

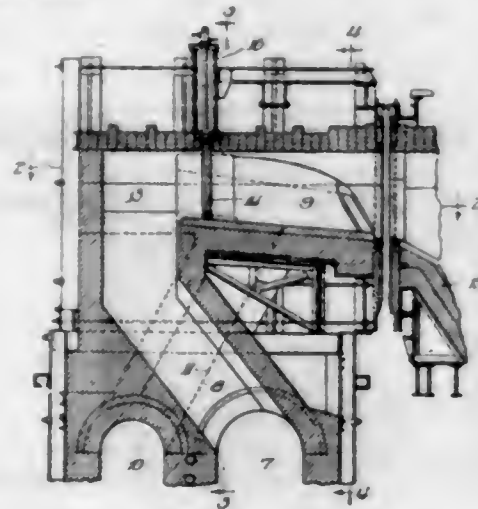
1. The combination of a gauge glass; a pair of tubular fittings adapted to be connected at their inner ends to a still, or the like, and connected at their outer ends to and supporting said gauge glass, each of said fittings having a plug cock casing formed therein; a plug, in each of said casings, adapted for movement to open or close the passageway through the fittings; a spindle

connected to each of said plugs and projecting outwardly through an opening in its casing, the outer ends of said spindles being slidably connected together; a pair of spaced levers pivotally connected together at one end and having their opposite ends connected, one to one



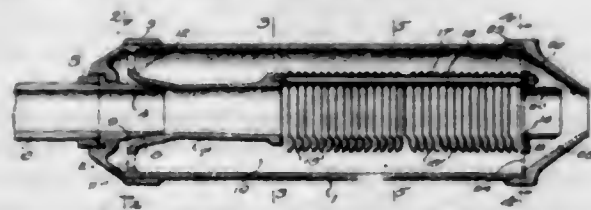
of said spindles and the other to the other of said spindles; a fusible strut arranged in close proximity to said gauge glass and connecting said levers together intermediate their ends to normally maintain said plugs in open position; and spring means tending to move said plugs to closed position.

1,515,462. CONSTRUCTION OF OPEN-HEARTH-FURNACE PORTS. GEORGE L. DANFORTH, JR., Chicago, Ill. Filed Oct. 9, 1922. Serial No. 593,277. 6 Claims. (Cl. 263-15.)



1. In a reversible regenerative furnace, a plurality of fuel ports located adjacent the side walls of the furnace, an air passage, a discharge port located intermediate said fuel ports, and passages connecting the air passage and fuel ports.

1,515,463. MUFFLER. CHARLES H. DE LANCEY, Binghamton, N. Y. Filed June 27, 1921. Serial No. 480,794. 9 Claims. (Cl. 137-180.)



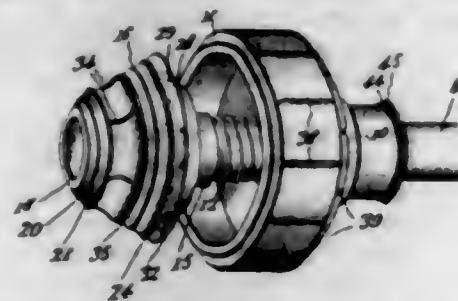
1. A muffler comprising a casing, a substantially unobstructed exhaust passage extending through the casing, an expansion chamber surrounding said exhaust passage

and communicating therewith at a plurality of points to receive exhaust gases therefrom, and an ejector arranged at the inlet end of said exhaust passage and forming a continuation thereof, said ejector being operated by the full force of the exhaust gases to withdraw gases from the expansion chamber.

1,515,464. ALLOY. CHARLES DIETZ, York, Pa., assignor to The Dentists' Supply Company, a Corporation of New York. Filed Dec. 14, 1920. Serial No. 430,780. 4 Claims. (Cl. 75-1.)

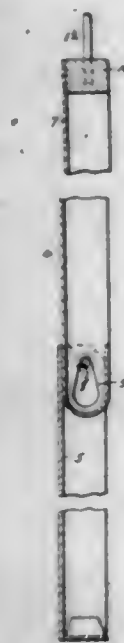
1. A metal alloy combining hardness and ductility, composed of platinum, gold and palladium, in which the gold content is seven per cent (7%) to approximately twenty per cent (20%) of the whole, and the palladium content is seven and one-half per cent (7.5%) to approximately ten per cent (10%) of the whole.

1,515,465. SHOE FINISHING AND ORNAMENTING TOOL. ANTHONY DORR, Fort Pierce, Fla. Filed Mar. 20, 1924. Serial No. 700,603. 6 Claims. (Cl. 12-17.)



1. A shoe finishing and ornamenting tool comprising in combination with a shaft, a burnishing wheel fixed to rotate with the shaft, a sleeve slidable axially on the shaft and loosely rotatable on the shaft, a flexible and resilient connection driven by the shaft and coupled to said sleeve, a head on the sleeve having tool faces for operating on a shoe, and means on the outer end of the shaft for confining the head and sleeve against the expansive action of the spring.

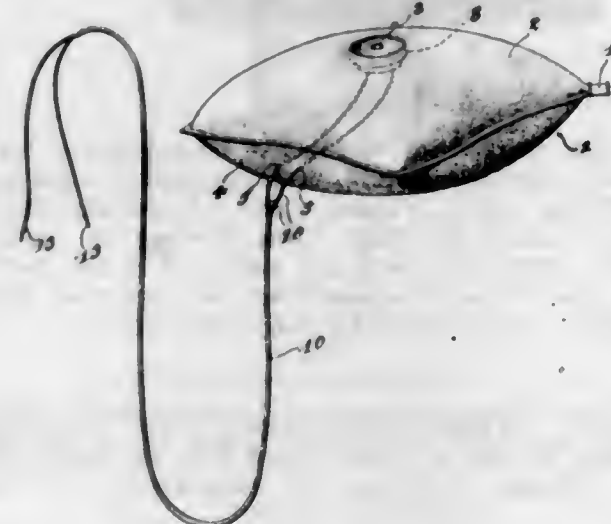
1,515,466. METALLIC FOLDING POLE. DANIEL E. DORE, Lebanon, Pa. Filed Jan. 5, 1924. Serial No. 684,550. 2 Claims. (Cl. 135-15.)



1. A pole of the character described comprising a plurality of elongated sections of channel formation, each upper section being adapted to nest within the section below it, transverse pins carried by the sections and pear shaped slots within which said pins engage, the disposition of the slots being such that the

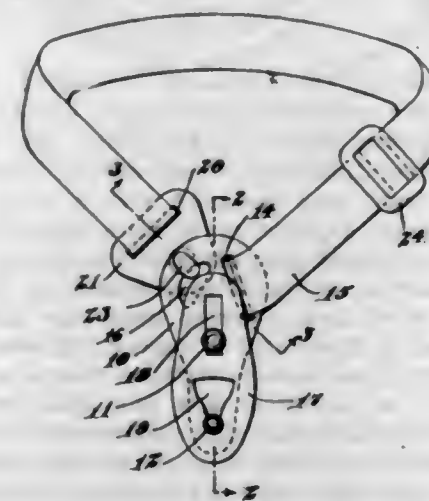
action of the pins will force the sections into wedging engagement with each other upon longitudinal movement of the sections with respect to each other in one direction, the pins moving into enlarged portions of the slots upon movement of the sections with respect to each other in the opposite direction to thereby permit the sections to fold upon and nest within each other.

1,515,467. PILLOW TELEPHONE. CHARLES HENRY DRAVING, Philadelphia, Pa. Filed June 5, 1923. Serial No. 643,552. 4 Claims. (Cl. 179-146.)



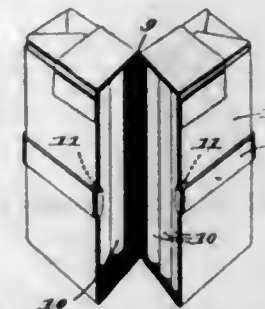
1. A pillow telephone including an inflatable pillow casing; a telephone receiver within the casing whereby its sound vibrations may be heard from outside the casing; a conduit wire leading through the casing to the receiver; means for securing the conduit wire to the casing; a valve leading into the casing and secured thereto for admitting air, and means for sealing the receiver, conduit wire and valve to the casing.

1,515,468. GARTER. SEXTUS A. EDDINS, Brockton, Mass. Filed Sept. 15, 1923. Serial No. 602,859. 1 Claim. (Cl. 241-6.)



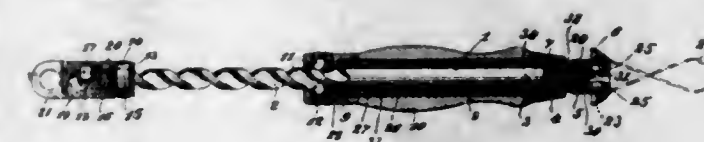
In a garment support, the combination with a body portion having a slot at its upper end, of a button secured to its lower end and extending outwardly therefrom, a pivot member secured intermediate the ends of the body portion, a clasp member slidably and rotatably mounted on the pivot member and provided with a perforation cooperating with the button, a leg band secured at one end to the body portion, a locking plate secured to the other end of said leg band, the upper end of the clasp member cooperating with the slot in the body portion whereby removal of the locking member from the slot is prevented when the parts are in assembled position.

1,515,469. PACKAGE HOLDER. PATRICK L. FANNEN, New York, N. Y., assignor to John W. Prentiss, New York, N. Y. Filed Jan. 8, 1924. Serial No. 684,920. 7 Claims. (Cl. 206-41.)



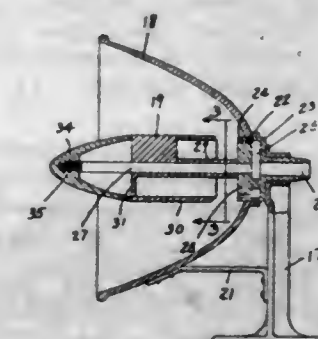
1. A holder for packages which are adapted to open about a part which serves as a hinge, comprising a band adapted to encircle the package and consisting of a pair of hinged sections, and means to yieldingly hold the band in its closed position, whereby the band when applied to the package with the hinging axis of the band adjacent to and parallel with the hinging axis of the package will open with the package and will yieldingly hold the package in its closed position.

1,515,470. TIE-TWISTING TOOL. HENRY B. FOULDER, Brooklyn, N. Y., assignor to J. P. Curry Mfg. Co., Inc., Stamford, Conn., a Corporation of New York. Filed Mar. 10, 1920. Serial No. 304,632. 9 Claims. (Cl. 140-119.)



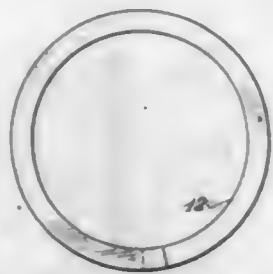
1. In a tie-twisting tool, the combination of a shank and a sleeve surrounding the same, means for causing relative axial movement of said members to cause rotation of one of the same, a twisting head secured to the rotatable member, having slot means therein, by which the enlarged ends of a wire tie, extended therethrough, may be held, said slot means having an enlarged portion, through which said enlarged tie-ends may pass, means normally preventing said tie-ends from passing through said enlarged portion of the slot means, and means for causing said preventing means to become inoperative at the end of the twisting operation.

1,515,471. LOCOMOTIVE WHISTLE AND MOUNTING. ARTHUR L. FOLEY, Bloomington, Ind. Filed Dec. 10, 1923. Serial No. 679,843. 7 Claims. (Cl. 116-137.)



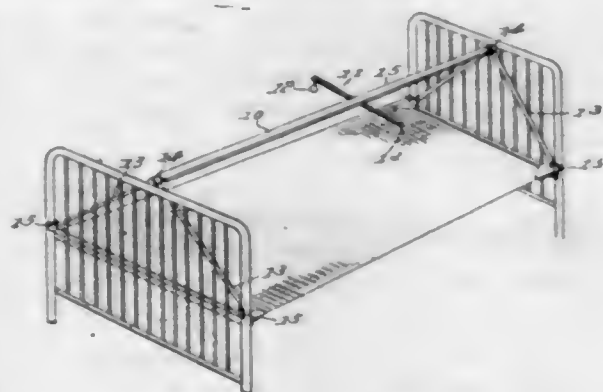
2. The combination of a locomotive or the like including a source of fluid pressure and appurtenances thereabove, a fluid pressure operable whistle having a peripheral source of sound positioned upon said locomotive forwardly of all appurtenances thereon and forwardly and above the source of fluid pressure and sounded thereby, and with its axis parallel to the locomotive longitudinal axis, and a resonating paraboloid-like reflector surrounding the whistle, whereby the peripheral source of sound is in substantial coincidence with the focus of the reflector for projecting substantially all of the sound rays forwardly from the locomotive.

1,515,472. PROCESS OF MAKING PISTON RINGS. HARRY S. FRANK, Woodmere, N. Y. Filed Sept. 16, 1920. Serial No. 410,620. 7 Claims. (Cl. 29-156.6.)



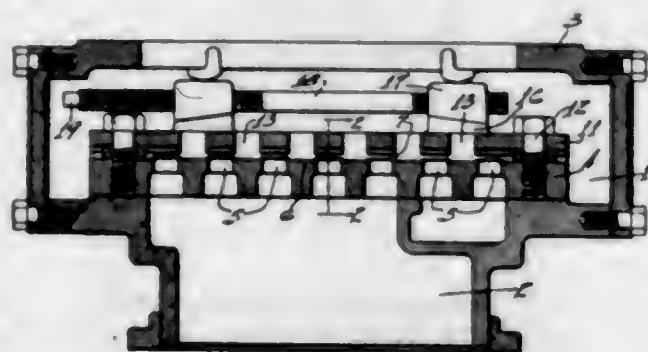
1. The process of equalizing all the forces in a closed, gapped piston ring blank, having overlapping ends, which comprise holding said blank together at one point of its overlapping ends.

1,515,473. BEDSTEAD ATTACHMENT. MARGARET A. FRECHIN, Glard, Kans. Filed Oct. 13, 1922. Serial No. 594,272. 1 Claim. (Cl. 5-317.)



A patient lifting device for bedsteads comprising a bar for extension longitudinally of the bedstead on a transverse median line, terminal supporting brackets consisting of upwardly convergent arms provided with means for engaging the extremities of the bars at their meeting ends, said brackets at their remote ends being provided with clamps for engaging the inner sides of the corner posts of the bedstead, and a crosshead slidably mounted upon the bar and provided with grips or handles within grasping distance of the occupant of the bed.

1,515,474. VALVE. JESSE G. GIBSON, Grove City, Pa., assignor to The Bessemer Gas Engine Company, Grove City, Pa., a Corporation of Pennsylvania. Filed Aug. 24, 1923. Serial No. 659,125. 12 Claims. (Cl. 251-119.)



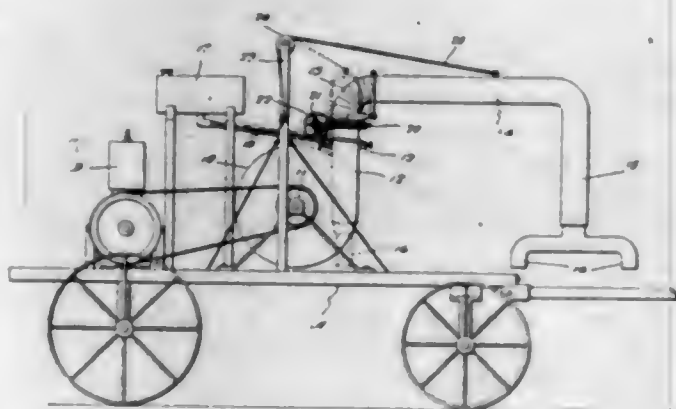
1. In a valve, the combination of a seat; a resilient feather plate closing on the seat; a pivot pin to which one end of the feather plate is attached, said pin rocking with a flexure of the feather plate; and a cap having a stop surface limiting the opening movement of the feather plate.

1,515,475. METHOD AND APPARATUS FOR VULCANIZING SPONGE RUBBER ARTICLES. JOHN O. GOODWIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,577. 5 Claims. (Cl. 18-53.)



2. The method of molding a sponge-rubber article which comprises inserting, in an expansible, rigid-walled vulcanizing cavity, a blank which substantially fills said cavity, heating the blank while allowing the cavity to enlarge conformably with the expansion of the blank up to a predetermined volume, and then arresting further expansion while completing the vulcanization.

1,515,476. WEED DESTROYER. JOHN EARL GREENFIELD, El Centro, Calif. Filed Feb. 18, 1922. Serial No. 537,524. 1 Claim. (Cl. 126-271.2.)

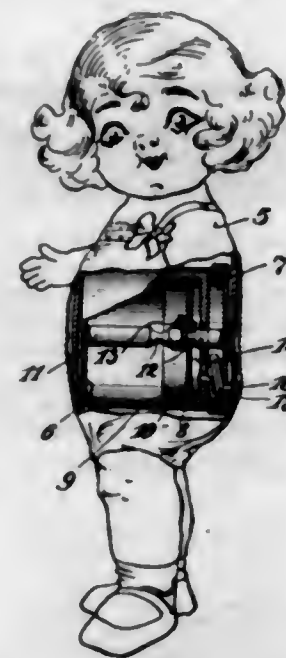


In a device of the character described, a wheeled frame, a blower mounted thereon and having a vertical outlet pipe, power means on the frame for driving the blower, an elbow including a base section rotatable upon said blower outlet and equipped with a gear, the elbow further including a plurality of telescopically connected sections, an L-shaped pipe connected with the elbow and carrying branches constituting burners, a plurality of valved fuel inlet jets mounted upon the blower outlet and discharging thereinto, a supporting bracket structure carried by the blower outlet, a worm journaled in said bracket and meshing with said gear for effecting rotary adjustment of said pipe carrying the burners, and a flexible member connected with the pipe and trained over a guide and operable for swinging said pipe to vary the height of the burners with respect to the ground.

1,515,477. SOUND-PRODUCING DEVICE. LEO J. GRUBMAN, New York, N. Y. Filed Dec. 28, 1922. Serial No. 609,398. 5 Claims. (Cl. 46-40.)

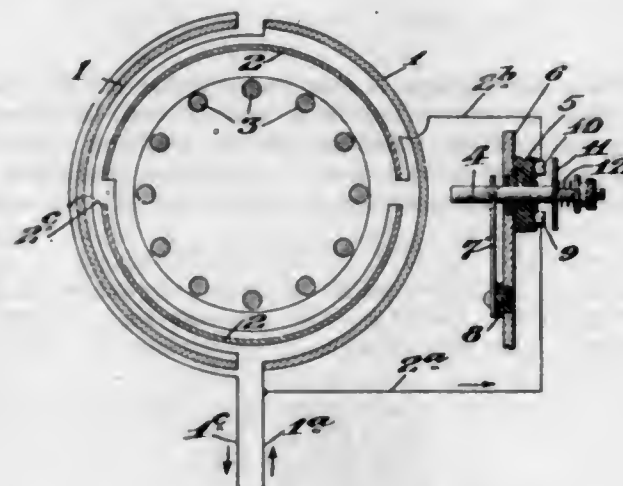
2. In a sound producing device, a casing, means operatively mounted within said casing for producing sounds simulating spoken vowel letters, said means including a tubular member having a sound emission orifice in its wall and a gravity movable element cooperating therewith, and an additional sound emission means having a part adapted to be mounted in a supporting wall and

extending into one end of said tubular member and having an emission orifice spaced from said first named orifice and through which sound is emitted in relatively



small volume to simulate spoken consonant letters when the first named orifice is closed by said gravity movable element.

1,515,478. INDUCTION MOTOR. JOHN B. GURY, Jr., and ROBERT H. E. SCHLECHT, St. Louis, Mo. Filed Feb. 4, 1921. Serial No. 442,377. 3 Claims. (Cl. 172-279.)

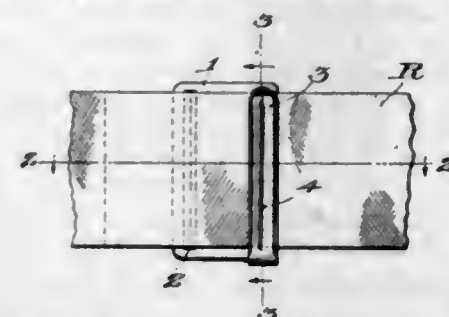


2. In a motor of the character described, in combination with the main field and the starting coil, a non-conducting support on the motor frame, said support having terminal contacts thereon for the starting coil leads, a self-retracting element mounted on said non-conducting support and being capable of electrically connecting said terminal contacts, but being normally out of engagement therewith, said self-retracting element being in attractive range of the main field whereby to be attracted by the excess magnetism of said field to close the starting coil circuit and to open said circuit when the motor gets up to normal speed.

1,515,479. RIBBON-BRACELET CLASP. GEORGE D. HARRISON, North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Filed Mar. 7, 1924. Serial No. 697,497. 2 Claims. (Cl. 24-109.)

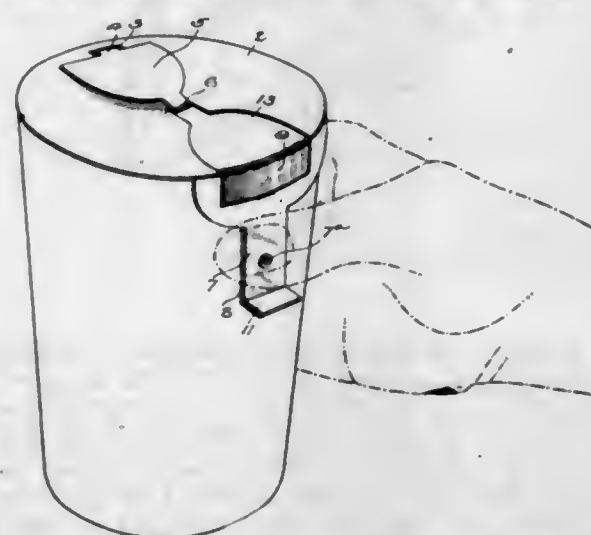
1. A clasp for bracelet ribbons including a body having a slot at one end to receive therethrough an end of the ribbon, and an arm at the opposite end of the body spaced from the adjacent face of the body and having

a free outer end, said arm having a longitudinal rib pressed out therefrom, the ribbon being movable into the space between the body and arm from a side of the



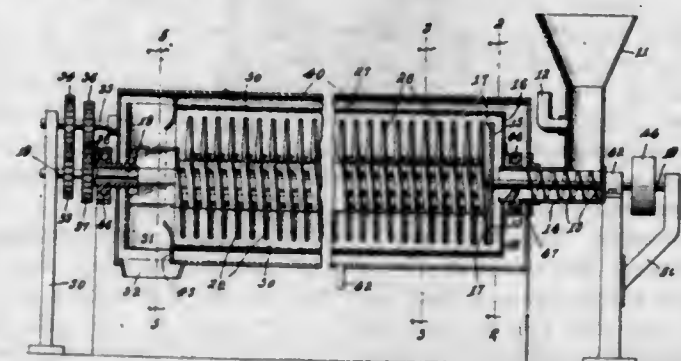
body and being engaged by the convex side of the rib and held by the latter in engagement with said face of the body.

1,515,480. PROTECTING COVERING FOR DRINKING VESSELS. HERNÁN HERNÁNDEZ, P., Maracaibo, Venezuela. Filed Feb. 9, 1923. Serial No. 618,071. Renewed June 19, 1924. 3 Claims. (Cl. 65-13.)



1. A protecting device for drinking vessels, which includes a sheet of material to cover the top of the vessel a flap formed of the material of the sheet and disposed adjacent an edge of the vessel, said sheet having an aperture therein opposite the flap, and a tab on the flap adapted to engage in the aperture when the flap is folded back on itself to hold the flap in this position while a person is drinking from the vessel.

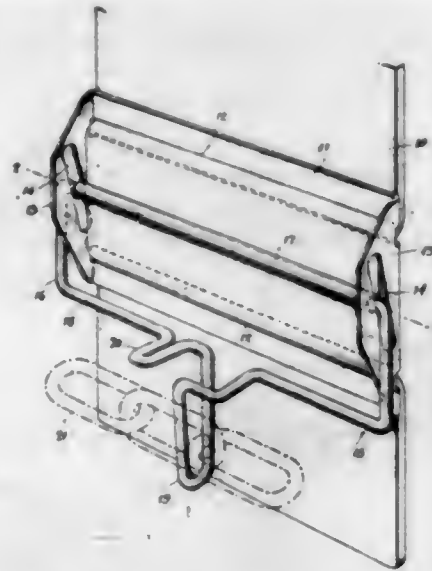
1,515,481. SUGAR-REFINING DEVICE. PASCUAL HERNÁNDEZ, Camaguey, Cuba. Filed May 16, 1923. Serial No. 639,425. 2 Claims. (Cl. 127-20.)



1. A device suitable for purifying sugar which comprises a horizontally arranged centrifugal perforated drum, a casing surrounding the same, a screw conveyor carried within said drum adapted to move the sugar from the inlet end of the drum towards the outlet end thereof, said screw comprising a multiplicity of inclined blade sections mounted on plates which plates form a casing, polygonal in cross section, surrounding a central shaft in said drum, said plates being movable a

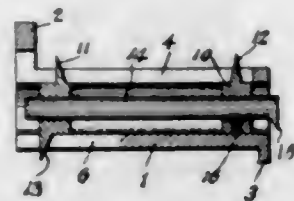
predetermined distance away from said central shaft and means for limiting the amount of such movement; means for feeding a mixture of crude sugar and purifying liquid in predetermined amounts into said drum at the inlet end thereof; a liquid outlet for removing used purifying liquid from the casing, and a device at the outlet end of said drum adapted to discharge sugar from the perforated drum to the outside of said casing.

1,515,482. BACKBAND BUCKLE. WILLIAM OSCAR HERNDON, Haywood, Tenn. Filed June 11, 1923. Serial No. 644,698. Renewed July 26, 1924. 4 Claims. (Cl. 34-54.)



3. A device of the character described, comprising a plate having ears struck up therefrom on opposite edges, said ears having parallel slots arranged at an acute angle to said plate, a loop passing through said slots and having formed therein other loops spaced apart on one side of the first named loop and arranged with their planes at right angles to each other and to that of the first named loop.

1,515,483. BUTT GAUGE. ANDREW G. HERT, Seattle, Wash. Filed May 5, 1923. Serial No. 636,971. 1 Claim. (Cl. 33-44.)

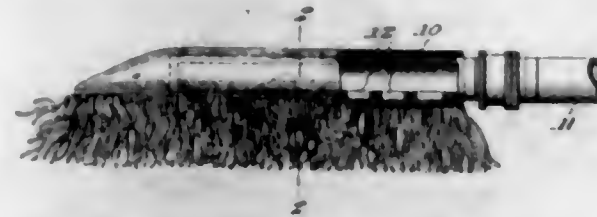


A device of the class described comprising an elongated casing of rectangular cross section and having longitudinal slots in its four sides, an abutment at each end of the casing extending at right angles therefrom, said abutments being disposed on opposite sides of said casing respectively, two blocks slidably arranged in the casing each having a marking point projecting through respective slots in opposite sides of the casing, a rod extending longitudinally of the casing and passing through apertures in the blocks, means securing one of said blocks to said rod, said rod having a marking point at one end thereof, and set screws passing through the respective slots in the other two sides of the casing and adapted to engage said rod and block respectively.

1,515,484. VEHICLE-WASHING DEVICE. HENRY G. HOLSTEIN, Casper, Wyo. Filed Aug. 27, 1923. Serial No. 659,688. 1 Claim. (Cl. 15-127.)

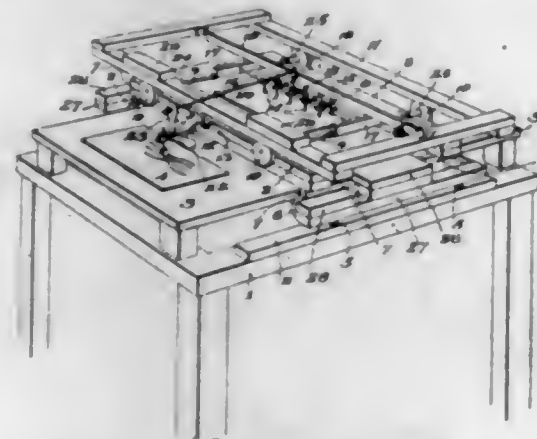
A vehicle washing device comprising a hollow member perforated along one side and closed at one end and adapted to be coupled to a water supply pipe, a two part sleeve-like covering for said hollow member, each part of

said covering including separate pieces laid one upon the other, fringe arranged between the respective pieces of each part and projecting from the edges thereof, one part of the covering surrounding the major portion of



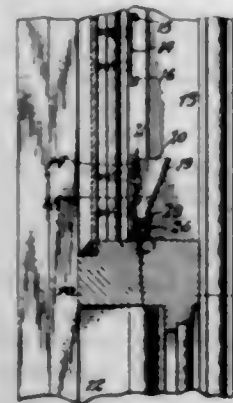
the hollow member, the other part covering the remaining portion directly beneath said perforations, and stitching securing the respective parts of the cover together and also holding the fringe associated therewith.

1,515,485. ENGRAVING MACHINE. WILLIAM H. HOPE, Providence, R. I. Filed Sept. 28, 1923. Serial No. 665,350. 10 Claims. (Cl. 33-24.)



1. In a pantograph, a supporting frame having spaced rail portions, shafts spanning the interval between the rail portions with terminal rollers operating thereover, wheels mounted on the shaft in operative relation to the rollers, and a carriage supported to ride on the wheels.

1,515,486. LOCKING DEVICE. HERMAN HOFF, Buffalo, N. Y. Filed Oct. 13, 1921. Serial No. 507,429. 6 Claims. (Cl. 202-342.)

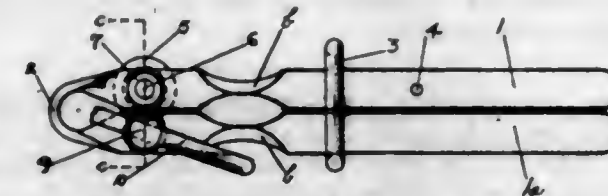


1. A locking device for relatively movable members comprising a stop having a vertical back plate adapted to be mounted on one of said members, an inclined front plate adapted to be engaged by another of said members, and a web connecting corresponding longitudinal edges of said plates.

1,515,487. CAN OPENER. WILLIAM MARSHALL JEWELL and OMAR HESTRIEN JEWELL, Chicago, Ill. Filed May 19, 1924. Serial No. 714,422. 5 Claims. (Cl. 39-3.)

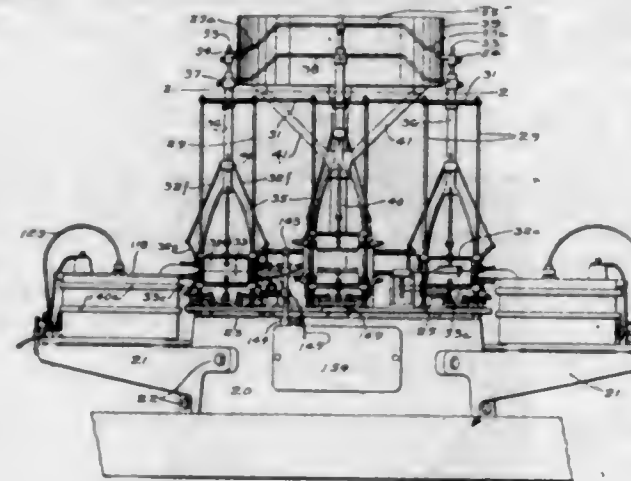
1. A portable can opener comprising two movable handles adapted to be held in one hand and joined ad-

acent to one end of each handle, a cutter wheel mounted on one of the handles and a driving wheel mounted



on the other handle; both of said wheels being located adjacent to the closed ends and between the joint and the open extended ends.

1,515,488. DIE-CASTING MACHINE. ANDREW R. JOHNSON and VICTOR G. WILLIAMS, Chicago, Ill. Filed Nov. 16, 1921. Serial No. 515,606. 43 Claims. (Cl. 22-77.)



1. In a die-casting machine, a melting pot having a discharge nozzle, a plurality of molds consisting of upper and lower sections and having inlets positioned to register with the nozzle, a rotary carrier for the molds around the axis of which the molds are symmetrically arranged, means for operating the carrier to bring the inlets of the molds successively into and out of registry with the nozzle, a swinging support for the melting pot, and means for automatically operating said support to maintain the registering position of the mold inlets and the nozzle for a predetermined period of time, and means associated with said upper sections for gripping a casting.

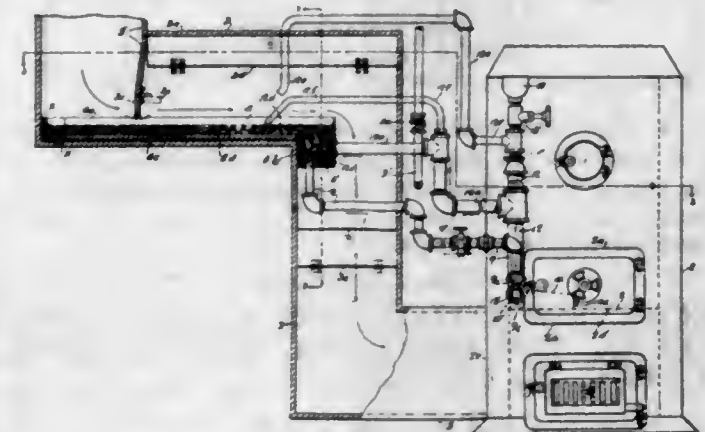
1,515,489. CLOTHES HANGER. SIMON H. JOHNSON, New Haven, Conn. Filed Mar. 29, 1924. Serial No. 702,819. 2 Claims. (Cl. 211-13.)



2. A clothes hanger, comprising a supporting-arm, a clamping-bar attached to its lower end, a clamping-arm pivotally connected with the supporting-arm near its upper end and bowed rearwardly, downwardly and forwardly therefrom, a clamping-bar secured to the lower

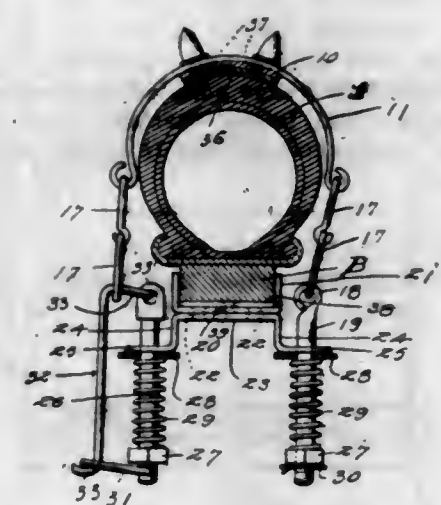
end of the clamping-arm parallel with the clamping-bar of the supporting-arm, a U-shaped segmental rack mounted on the supporting-arm and extending toward the clamping-arm, a segmental pawl mounted in the clamping-arm and extending into engagement with said rack, the said pawl projecting through and beyond the rear of the clamping-arm, said clamping-arm formed below the pawl with a finger-piece, a spring tending to hold the pawl in engagement with said rack, and a spring tending to force the clamping-arm away from the supporting-arm.

1,515,490. APPARATUS FOR HUMIDIFICATION OF AIR. HARRY W. JORDAN, Syracuse, N. Y. Filed May 29, 1924. Serial No. 716,701. 8 Claims. (Cl. 126-113.)



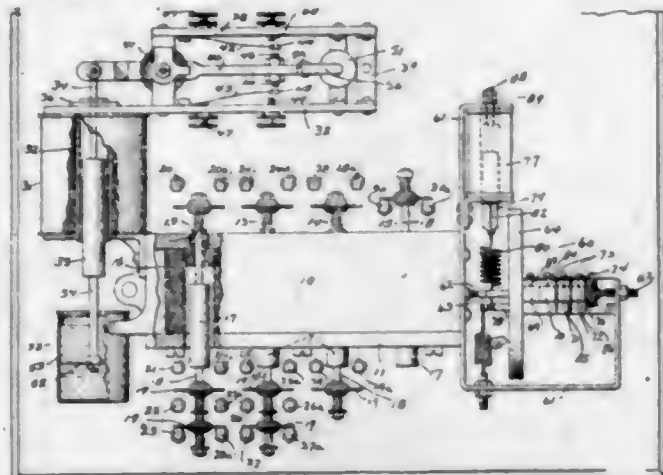
1. Means for humidifying air, including a water heating element adapted to be disposed in the fire-pot of a furnace, an evaporating pan adapted to be disposed in the fresh air duct of the furnace adapted to receive the products of the heating element and to give off hot moisture to the air as it passes over the pan, and means for regulating the depth of the volume of air passing over the pan.

1,515,491. ANTISKID OR TRACTION SHOE. JOSEPH C. JORDAN, Readstown, Wis. Filed Mar. 9, 1923. Serial No. 623,921. 9 Claims. (Cl. 152-14.)



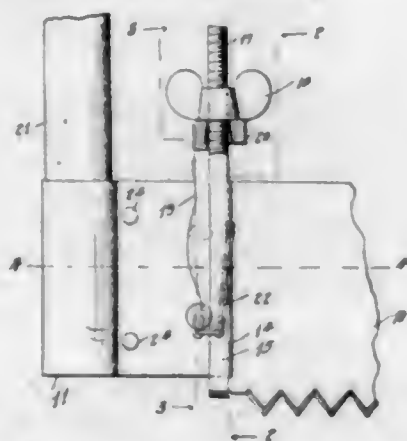
7. A traction shoe having traction means, attaching means therefor having a locking arm passable through the traction means, said arm consisting of a strand of wire having an offset eyelet at one end by which it is pivotally mounted, a fastening loop having an opening constricted at a portion thereof, said locking arm being passable through said loops, and a hook on the locking arm extending in the opposite direction to said eyelet adapted to overlap and engage the loop below the constricted portion through the tension of the device in fastened position.

1,515,492. REGULATING DEVICE FOR ELECTRIC FURNACES. JAMES KELLEHER, Goderich, Ontario, Canada. Filed Oct. 16, 1919. Serial No. 330,957. 22 Claims. (Cl. 204-64.)



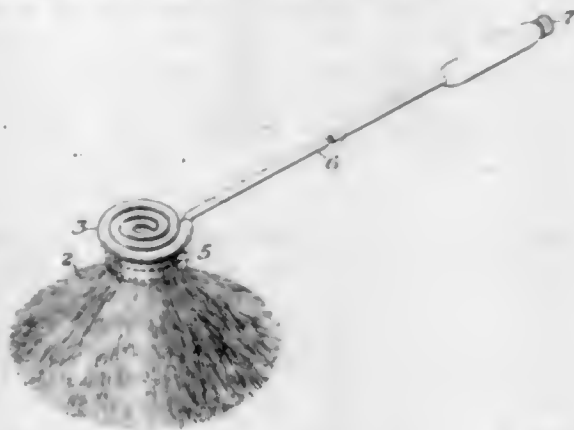
1. A regulating device for electric furnaces comprising a plurality of relays, means for energizing the relays, means for locking the relays in their energized positions, and a time element for deenergizing the relays at predetermined intervals.

1,515,493. SAW HANDLE. HUGH D. KELLY, Junction City, La. Filed July 12, 1924. Serial No. 725,564. 4 Claims. (Cl. 145-112.)



1. A handle attachment for a cross-cut saw, the same comprising a holder, a pin associated with the holder, and forming connecting means of the saw therewith, a yoke embracing said holder and restrained from disengagement therewith, a wedge adapted to operate between the yoke and pin and means carried by the yoke for advancing the wedge and holding it in the required adjusted position.

1,515,494. FOUNTAIN MOP OR SWAB. WALTER B. KNOX, Pittsburgh, Pa. Filed May 5, 1923. Serial No. 636,995. 5 Claims. (Cl. 15-128.)



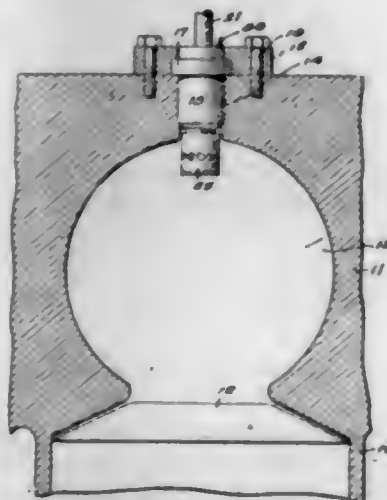
1. In a mop, a head comprising a flexible body having a tubular passage therethrough, said body being wound upon itself to form a plurality of closely adjacent con-

volutions firmly secured in spiral formation, and a handle having a head-engaging portion of less length than said passage adapted to slide into said passage by a relative turning movement of the head and handle, substantially as described.

1,515,495. PROCESS OF PREPARING MERCURY SALTS OF COMPLEX ORGANIC BISMUTH ACIDS AND THE PRODUCTS OBTAINABLE THEREFROM. WILHELM KOLLE, HUGO BAUER, and ERNST MASCHMANN, Frankfurt-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 23, 1923. Serial No. 614,470. 2 Claims. (Cl. 260-11.)

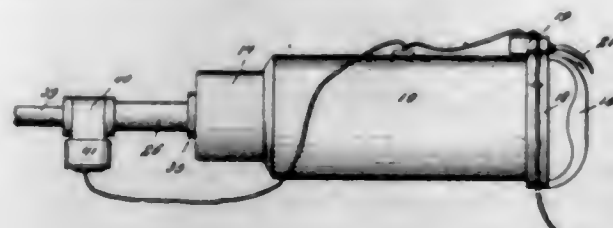
1. The process of preparing mercury salts of complex organic bismuth acids, which consists in combining solutions of the alkali salts of complex organic bismuth acids with mercury salts.

1,515,496. INJECTOR FOR OIL ENGINES. ERNEST LAEUSLI, Milwaukee, Wis. Filed July 18, 1923. Serial No. 652,459. 2 Claims. (Cl. 123-32.)



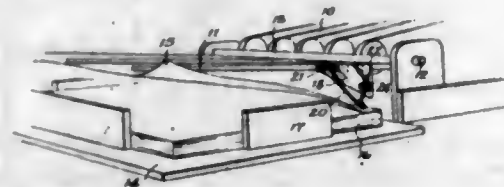
1. An injector for internal combustion motors, comprising a body portion formed on its inner end with a circumferential channel providing an internally screw-threaded recess and an exteriorly screw-threaded projecting nipple, a perforated washer adapted for engagement with the end of the nipple, a cap having threaded engagement with said nipple and serving to secure the washer in place in engagement therewith, and a hood member adapted to enclose the nipple and the cap, said hood member having removable threaded engagement with the interiorly screw-threaded recess.

1,515,497. RECIPROCATING IMPACT TOOL. DAVID H. LAMAR, Hutchinson, W. Va. Filed Dec. 3, 1921. Serial No. 519,727. 2 Claims. (Cl. 235-37.)



1. A machine of the character described comprising a casing, a plunger rod arranged to reciprocate within the casing and projecting from one end thereof, a guide through which said rod slides, means for actuating said rod, means for securing the guide to the rod for movement therewith, and cooperating means associated with the said guide and casing, whereby the motion of said rod is changed from a sliding to a rotary motion for the purpose specified.

1,515,498. ATTACHMENT FOR PRINTING-PRESS FLIES. JOSEPH LA SCALA, Brooklyn, N. Y., assignor of one-half to James Russo, Brooklyn, N. Y. Filed Jan. 30, 1923. Serial No. 615,873. 3 Claims. (Cl. 271-53.)



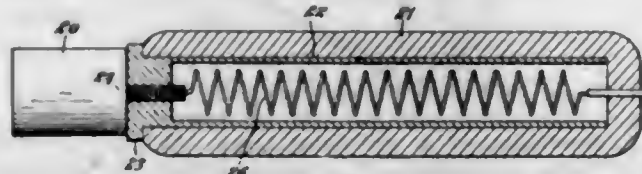
1. A device of the character described for mounting printing press flies provided for delivering a printed sheet into a receiving tray, which device comprises a plate, means for attaching said plate to a printing press fly in an adjustable manner, the lower edge of said plate adapted to engage the printed sheet as it is projected on to the fly, an arm pivotally connected to said plate and adapted to swing in the plane of the plate, the end of the arm opposite the pivot point engageable with the inner corners of the printed sheet after it has been delivered into the receiving tray to press it into position, the outer end of the arm being bent in the form of a curve of which the pivot point of the arm is the center, an apertured guide plate mounted on the first mentioned plate, the curved end of the arm adapted to extend through the aperture in said guide plate, the curved end of said arm having a plurality of holes therein, and a pin adapted to be adjustably mounted in any one of said holes to limit the outward movement of the pivoted arm with respect to the plate.

1,515,499. BEAD STRUCTURE. SIGMUND LEDERER, Providence, R. I., assignor to Providence Stock Company, Providence, R. I. Filed Nov. 10, 1923. Serial No. 673,966. 2 Claims. (Cl. 63-11.)



1. In a bead structure, a series of units each including a hollow perforated head and a permanently open hollow shank, the shank of one unit extending into the perforation of the adjacent unit and having its free end formed with a continuous flared edge portion to provide a stop to limit relative longitudinal movement between the units, and a resilient element connected at its ends to the outermost units and extending through the heads and hollow shanks of the units to resiliently connect the latter.

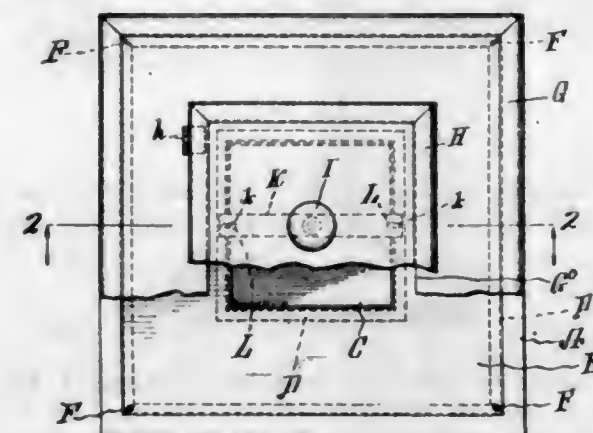
1,515,500. RECHARGING DEVICE FOR MAGNETOS. CHARLES A. LEE, Rochester, N. Y., assignor of one-half to Henry G. Davis, Buffalo, N. Y. Filed Sept. 9, 1920. Serial No. 409,243. 2 Claims. (Cl. 175-21.)



2. A contact-device for a magneto recharging appliance, comprising a hollow handle of insulating material, a tube arranged therein and having a head containing a screw threaded opening, a metallic contact tip having a screw-stem engaging said opening, and a resist-

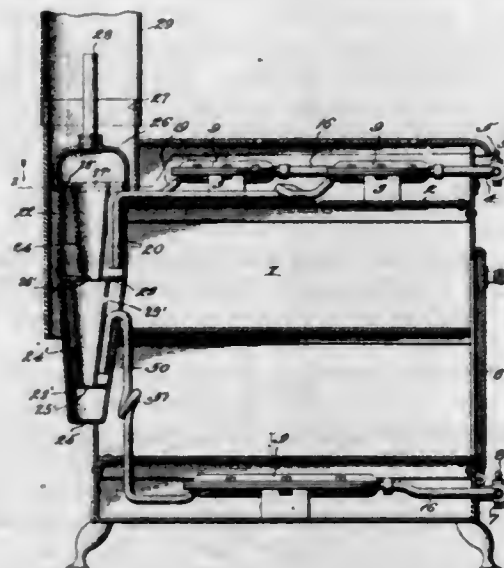
ance coil arranged in said tube and connected at its front end to said screw-stem, the other end of said coil being adapted to be connected to a source of direct current.

1,515,501. ICE-CREAM CABINET. PHIL H. LEWIS, Memphis, Tenn. Filed Feb. 12, 1923. Serial No. 618,603. 2 Claims. (Cl. 217-7.)



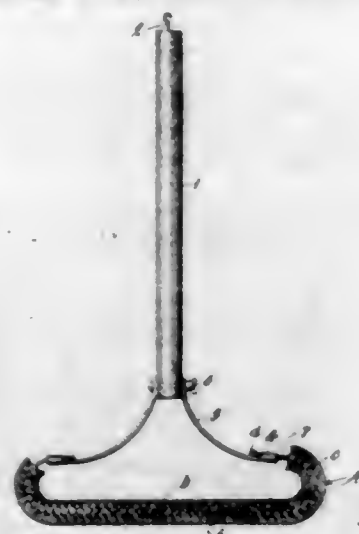
1. A sanitary cabinet for storing and dispensing frozen food products, comprising a chest, a spring seat centrally mounted in said chest, a container for the frozen food mounted on said spring seat and spaced apart from the bottom and side walls of said chest, an inner cover supported on gaskets and fitting snugly between the sides of said container and the side walls of said chest, an upper cover fitting over the top of said chest, and provided with a central opening therein, a hinged lid normally closing said opening in the upper cover, a suction cap having a gasket on the lower face thereof adapted to close the top of said container, and a spring connection between said lid and said suction cap.

1,515,502. STOVE. ABRAHAM LIBERMAN, Cleveland, Ohio, assignor of one-fifth to Jake Rosen, Cleveland, Ohio. Filed Mar. 1, 1924. Serial No. 696,300. 4 Claims. (Cl. 126-39.)



1. In means for the purpose set forth, the combination of a stove having a burner ring including a conduit; said ring having outlets therein, hollow nibs arranged in staggered relations within the conduit and having apertures that register with the outlets of the ring; said nibs being conical shaped in cross-section, a conical vent communicating with some of the nibs of the conduit, a chimney in direct communication with the vent and having a seal forming a chamber therein and also a draft passage whereby gas that enters the chamber will be forced by draft through the passage.

1,515,503. BRUSH. KATHERINE A. LUCY, Mazomanie, Wis. Filed Mar. 3, 1924. Serial No. 696,663. 3 Claims. (Cl. 15—206.)



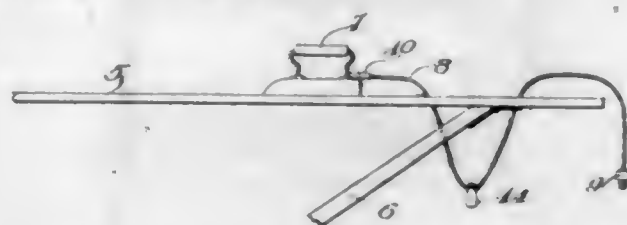
1. A brush of the class described including a handle, a pair of resilient arms extending from one end of the handle and curved so as to diverge from each other and terminating in sleeves, a bristle carrying member, a wire shank having its ends disposed in and engaged by said sleeves.

1,515,504. METHOD OF TREATING WOOD. JAMES HENRY MCDANIEL, Washington Court House, Ohio. Filed Apr. 7, 1924. Serial No. 704,881. 6 Claims. (Cl. 99—12.)

1. A process for forming wood separators for batteries which comprises placing wood cut to shape in a retort, creating a vacuum in the tank, charging a solution of sodium bisulphide, sodium hydroxide, and potassium permanganate into the retort, maintaining the solution under pressure and heating the same to 100 degrees F., withdrawing the solution, again creating a vacuum in the retort, charging fresh water into the retort, and maintaining the same under pressure and heating the water to approximately 100 degrees F., removing the water and again creating a vacuum in the retort.

6. A solution for neutralizing acids and vegetable oils in wood comprising an aqueous solution of sodium bisulphide in the proportions of 25% by weight and 75% by weight of water, an aqueous solution of sodium hydroxide consisting of 10% by weight of sodium hydroxide and 90% by weight of water, and an aqueous salt solution of potassium permanganate, containing 10% by weight of potassium permanganate and 90% by weight of water.

1,515,505. IRONING BOARD. RAYMOND J. McJOHN, Chicago, Ill. Filed Jan. 10, 1924. Serial No. 685,401. 2 Claims. (Cl. 68—9.)

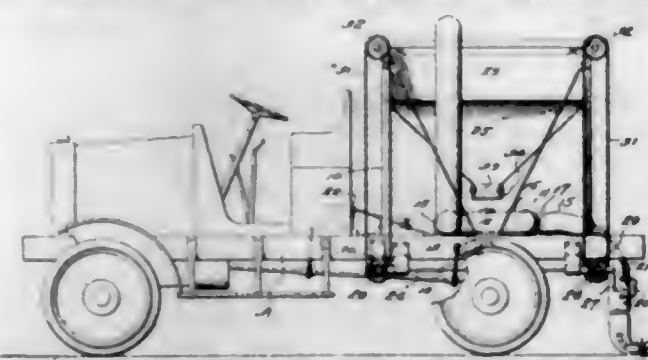


1. A take-up device for a current-supply cord comprising a board, spaced openings in the latter to receive the cord from opposite sides and cause an intermediate portion of the cord to form a drop, and a pulley-weight hung in the drop and freely movable therein.

1,515,506. EXCAVATING DEVICE. WILLIAM S. McNALL, Salina, Kans. Filed Aug. 19, 1922. Serial No. 582,951. 4 Claims. (Cl. 37—4.)

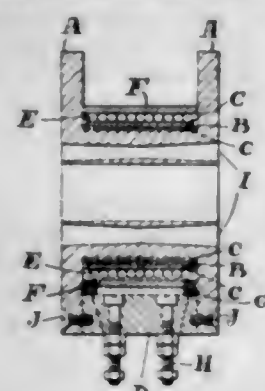
1. An excavator mechanism comprising a casing adapted to be mounted upon a truck, a blower fan mechanism mounted within the casing, means driven from the truck for driving the fan mechanism, a flexible tube connected with the inlet of the fan mechanism, a digging device carried by the tube at the entrance thereof,

anism mounted within the casing, means driven from the truck for driving the fan mechanism, a flexible tube connected with the inlet of the fan mechanism, a digging device carried by the tube at the entrance thereof,



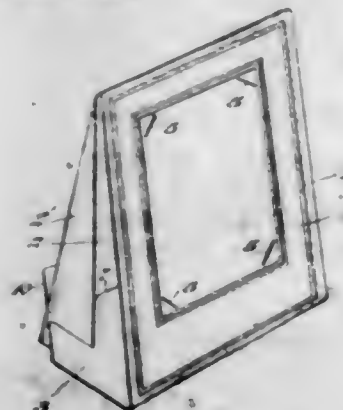
means operated by the truck motor for driving said digging mechanism, a hopper mounted within said casing into which the fan mechanism discharges and provided with an outlet chute, and gear operated windlass mechanism for raising and lowering the hopper.

1,515,507. CARBURETOR OR VAPORIZER PROVIDING MEANS FOR EASY STARTING OF INTERNAL-COMBUSTION ENGINES. JAMES DOUGLAS MAIL, Durban, Natal, South Africa. Filed Aug. 24, 1923. Serial No. 659,162. 4 Claims. (Cl. 219—38.)



1. A vaporizer attachment for internal combustion engines comprising a spool of metal having an aperture therethrough, a series of Venturi tubes arranged in said spool in a concentric circle around said aperture, an insulated electrical element wound round the body of said spool and terminals.

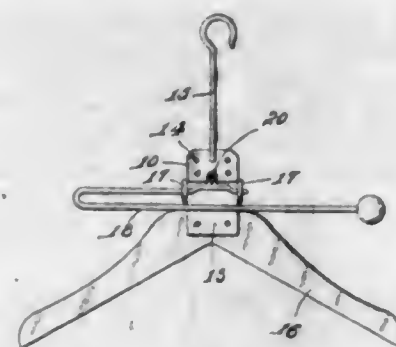
1,515,508. MOUNTING. FRANK C. MEDICK, Columbus, Ohio. Filed Nov. 26, 1923. Serial No. 677,196. 1 Claim. (Cl. 40—149.)



In a mounting of a self-supporting character formed from a blank consisting of a main section, a prop section, a brace section, and triangular-shaped wings on the prop section, the prop and brace sections being formed by bending portions of the blank on opposite sides of the main section, whereby the supporting edge of the mounting will be located at the point where the brace is bent from the blank, said side wings and the

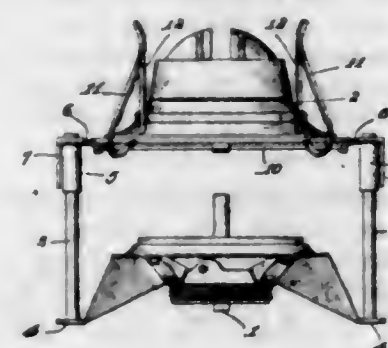
brace having a slotted engagement, one with the other, the slots extending from the extreme outer edge of one part, thereby permitting the corresponding part to slide into engagement, and a tongue extension on said brace having a slotted engagement with said prop section, the first mentioned slots being of such depth and dimensions as to insure the parts being readily assembled and to cause the parts to be held in proper relative position.

1,515,509. SUIT HANGER. SIMEON MENARD, Fallon, Nev. Filed Dec. 1, 1923. Serial No. 678,000. 2 Claims. (Cl. 211—13.)



1. A clothes hanger comprising a bracket, means whereby the bracket may be attached to a support, oppositely disposed arms carried by the bracket, a horizontally disposed substantially U-shaped rod having one end pivotally connected to the bracket and its opposite end spaced from and arranged parallel with the arms and means for yieldingly holding the rod in position.

1,515,510. BURNER. GEORGE W. MILLER, Waynesville, N. C. Filed June 22, 1923. Serial No. 647,186. 1 Claim. (Cl. 67—13.)

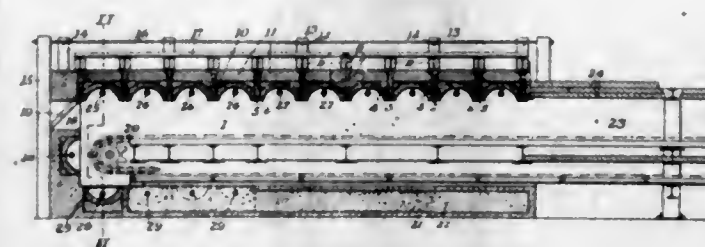


A lamp burner of the class described comprising a wick carrying part and a chimney carrying part, rods carried by the wick carrying part, ears on the chimney carrying part, tubular guides depending from the ears and through which the rods pass, an angle-shaped finger engaging part slidably mounted on each ear by having guides formed on its horizontal part engaging the ear, said horizontal part having an elongated opening therein for receiving the tubular guide and a spring having its ends engaging portions of the finger engaging parts for frictionally holding them against the tubular guides.

1,515,511. ELECTRICALLY-HEATED FURNACE OR LEER. EDWIN E. MILNER, Scott Township, Allegheny County, Pa., assignor to H. L. Dixon Company, Carnegie, Pa., a Corporation of Pennsylvania. Filed Feb. 1, 1922. Serial No. 533,464. 13 Claims. (Cl. 204—64.)

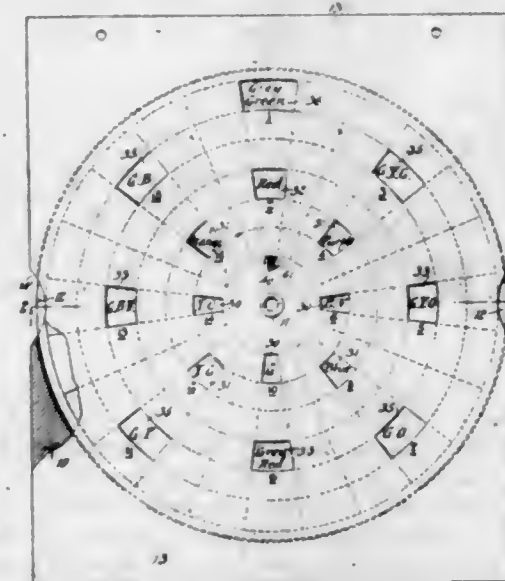
1. In an electric furnace, the combination of a chamber to be heated, a plurality of electrical heating elements in said chamber, reentrant heat reflecting surfaces in the walls of said chamber, means for supporting one of

said elements in each of said reentrant surfaces in spaced relation thereto to permit free radiation of heat from substantially the entire area of each surface, and



means for varying the effective heat in zones either transversely or longitudinally of the furnace, substantially as described.

1,515,512. COLOR-HARMONY CHART. JOHN L. MITCHELL, New York, N. Y. Filed Oct. 20, 1920. Serial No. 418,212. 10 Claims. (Cl. 88—14.)

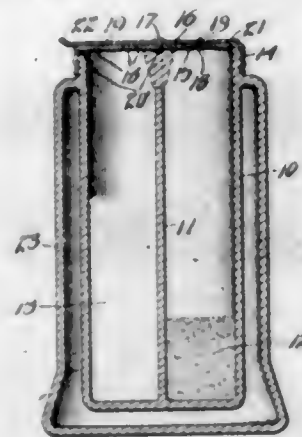


1. A color harmony chart comprising a revoluble disk having color areas arranged concentrically, one of the said areas having applied thereto the colors of the spectrum and the next adjacent having applied thereto tints of the said spectrum colors and the remaining areas having applied thereto colors which are subdued tints and shades of the said spectrum colors, the said disk having applied thereto indicating characters arranged in a circle concentric with the said areas, and a cover overlying the said disk and having openings in register with the said areas, the said openings being arranged to display complementary colors at the openings arranged diametrically and analogous colors at the openings arranged concentrically, the said cover having an opening in register with the said indicating characters to singly display one of the said indicating characters at a time, and the said cover having indicating characters one for each of the said openings through which the color areas are displayed, the said indicating characters on the disk and cover coacting to form a guide for identifying the corresponding color.

1,515,513. COMBINATION SALT AND PEPPER SHAKER. HERBERT B. MORIARTY, Memphis, Tenn. Filed Dec. 15, 1923. Serial No. 680,943. 4 Claims. (Cl. 65—45.)

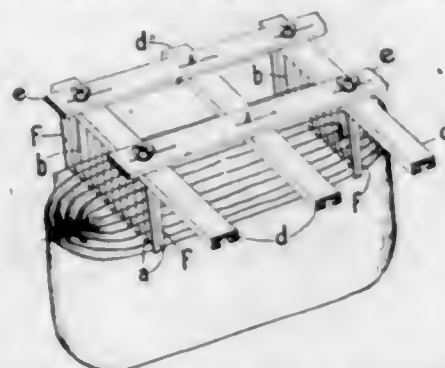
1. A combination salt and pepper shaker comprising a container having a plurality of compartments open at the top, a perforated cap for said compartments, a lug

on the cap engaging a recess in the upper end of the container, a pivoted closure having perforations adapted to be moved into and out of registry with those of the



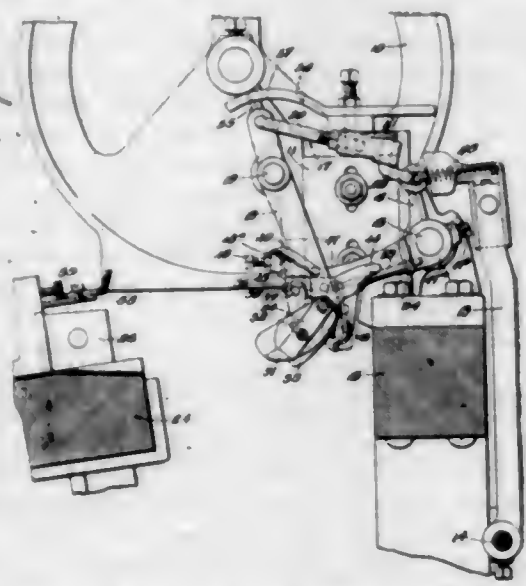
cap, and a hermetically sealed air space surrounding the group of compartments at the sides and bottom, substantially as set forth.

1,515,514. HOLDING APPARATUS FOR THE WET TREATMENT OF FABRIC IN WEB FORM. ERNST NÄGELIN, Basel, Switzerland. Filed Apr. 14, 1924. Serial No. 706,612. 2 Claims. (Cl. 91-46.)



1. A holding apparatus for the wet treatment of fabric in web form, and folded into layers comprising a row of carrying hooks and a tightly tensioned thread arranged to be drawn through the individual layers of the web and to be laid into said carrying hooks between said layers, for the purpose specified.

1,515,515. SHUTTLE-FEELER THREAD CUTTER. JONAS NORTHROP, Hopdale, Mass., assignor to Hopdale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed June 17, 1922. Serial No. 569,111. 13 Claims. (Cl. 139-264.)

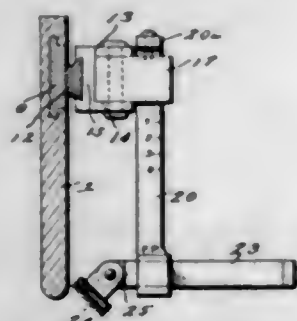


1. A shuttle-feeler thread cutter having, in combination, a feeler arm, a knife having relatively movable members on the feeler arm, a clamping plate, a spacing plate between the knife and the clamping plate cooperat-

ing with the latter to hold the thread and having a portion cut away adjacent to the knife to prevent clamping between the knife and the spacing plate, and means for actuating the knife and the clamping plate respectively to cut and hold the thread.

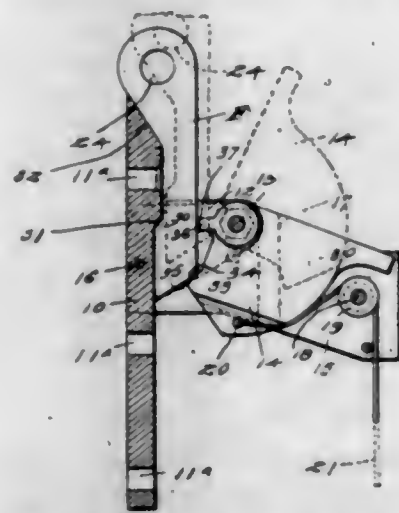
4. A web replenishing loom having, in combination, a shuttle-feeler provided with a thread severing device, a lay, a fixed actuating device on the lay for causing the severing device to sever the thread, and means cooperating with the actuating device and severing device automatically to prevent the severing device from parting the thread on abnormal engagement of the feeler with the shuttle.

1,515,516. PRECISION INTERPUPILLARY AND BRIDGE MEASURE. WILLIAM HOWARD OLDACH, Panama, Panama. Original application filed Sept. 20, 1920. Serial No. 411,472. Divided and this application filed July 13, 1921. Serial No. 484,413. 2 Claims. (Cl. 33-200.)



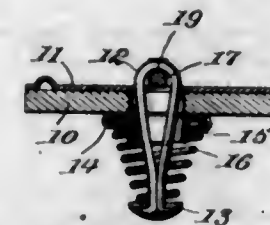
1. A device of the character described comprising a straight edge having a groove extending longitudinally thereof and having graduations along one edge of the groove, a gauge slidable in said groove and adapted to cooperate with said graduations to indicate the width of the base of the bridge of the nose, a block hinged to said gauge, a vertical post movably supported by said block, a horizontal post movably supported by said vertical post, and a bridge pad hingedly connected to one end of said horizontal post, said bridge pad being provided with a graduated quadrant and said horizontal post being adapted to cooperate with the graduations of said quadrant to indicate angles of the bridge crests.

1,515,517. LIFEBOAT-RELEASING DEVICE. GEORGE W. P. OVERMAN, Norfolk, Va., assignor of one-third to Ernest P. Manly, Portsmouth, Va., and one-third to George F. Doughty, Norfolk, Va. Filed Nov. 22, 1923. Serial No. 676,350. 4 Claims. (Cl. 9-23.)



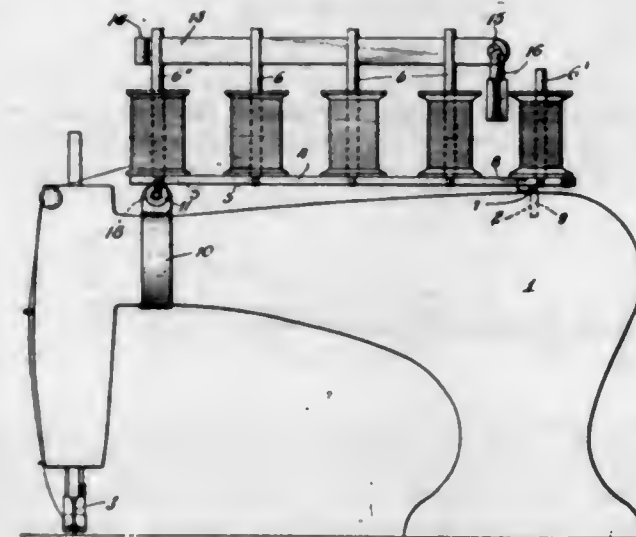
1. A releasing mechanism of the class described having an attaching plate, a grip for separable connection thereto, a trigger to secure the grip in fastened relation to the plate, and said trigger being engageable with the side and end of the grip to urge the grip to its seat but not such as to materially increase the strain on trigger release under maximum load.

1,515,518. AUTOMOBILE LICENSE HOLDER. FRED OWENS, Mount Vernon, Ky. Filed Feb. 21, 1924. Serial No. 694,411. 2 Claims. (Cl. 40-125.)



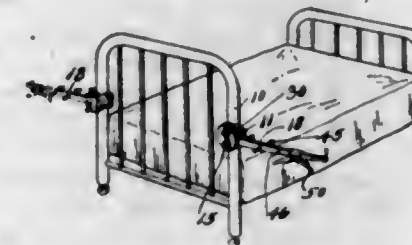
1. A fastening device of the character described comprising a loop shaped member, a disk secured to one end of the member, a larger disk arranged to slide on said member, a coil spring surrounding said member and bearing against the respective disks, and a key adapted to be slipped through the loop in advance of the last mentioned disk to hold the spring compressed for the purpose specified.

1,515,519. ATTACHMENT FOR SEWING MACHINES. PAUL PAGAC, Chicago, Ill., assignor to Robert Henry Parry, Chicago, Ill. Filed Feb. 16, 1924. Serial No. 693,193. 12 Claims. (Cl. 242-134.)



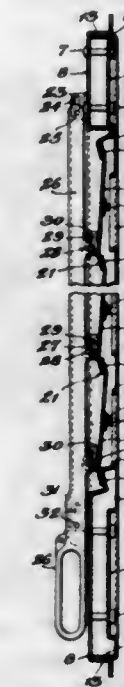
1. An attachment for sewing machines comprising a member adapted to be clamped at one end to a sewing machine head and adjustably mounted at the other end to said head whereby said attachment may be disposed at an angle to said head for the purpose set forth.

1,515,520. GARMENT HANGER. JEFFERSON D. PARK, Sherman, Tex., assignor of one-half to George R. Daugherty, Sherman, Tex. Filed Nov. 7, 1923. Serial No. 673,377. 11 Claims. (Cl. 45-13.)



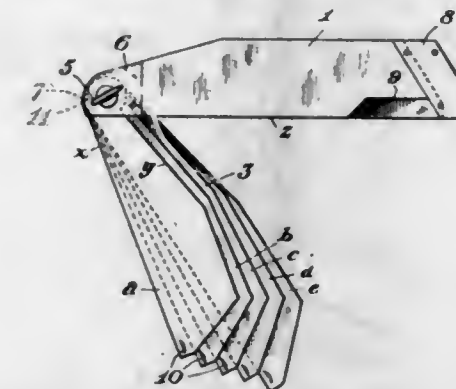
3. In a garment hanger, a pivoted arm, a releasable latch for retaining the arm suspended beneath its pivot, means for automatically raising said arm into horizontal supporting position, and automatic latching means for retaining said arm in such supporting position.

1,515,521. FREIGHT-CAR DOOR. LUCIUS S. PRATT and OLIVER A. WALLACE, Wilmington, N. C. Filed Mar. 31, 1923. Serial No. 629,148. 9 Claims. (Cl. 189-62.)



1. A freight-car door comprising a plate having a plurality of openings therein, stiffening means secured to said plate, a plurality of slats pivoted in said stiffening means, and means for turning said slats on their pivots, and into engagement with said plate to uncover said openings.

1,515,522. FRAMING BEVEL. ROBERT H. RUSSELL, Worland, Wyo. Filed May 29, 1922. Serial No. 564,420. 5 Claims. (Cl. 33-75.)

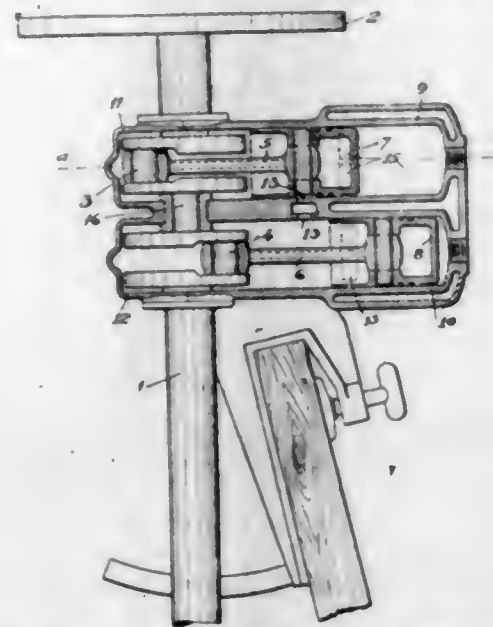


1. A framing tool comprising a stock, a blade member pivotally connected thereto, the marking edges of which when the blade is set bear different angular relations to the stock, and fixed stop means for predetermining the set to be given the blade for laying off the particular angles prescribed by said edges.

1,515,523. INTERNAL-COMBUSTION ENGINE. CARL AXEL SKÄRLUND, Stockholm, Sweden, assignor to Aktiebolaget Pentaverken, Stockholm, Sweden, a Corporation of Sweden. Filed Dec. 5, 1922. Serial No. 605,096. 2 Claims. (Cl. 123-59.)

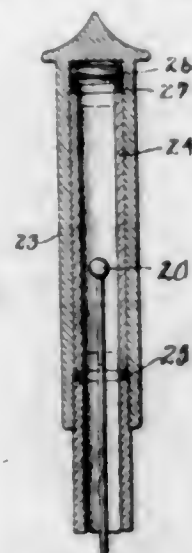
1. A multiple cylinder two stroke cycle internal combustion motor, wherein an inlet for gas mixture common to the crank casings opens into adjacent crank casings in such a manner that each motor piston will cover the mouth of the inlet during a portion of its compression stroke, thereby producing vacuum in the crank casing, after which, on the piston having uncovered said mouth, it will suck in gas mixture during the continua-

tion of the compression stroke, which gas mixture is then preliminarily compressed during the power stroke, partly by the closing of a non-return valve situated in



the inlet, under the action of the pressure in crank casing, and partly by the piston in the other crank casing simultaneously cutting off the latter from the inlet.

1,515,524. OIL GAUGE. WILLIAM M. SMITH, Memphis, Tenn., assignor of one-half to Robert A. Berryman, Memphis, Tenn. Filed Feb. 20, 1923. Serial No. 620,280. 1 Claim. (Cl. 73-82.)

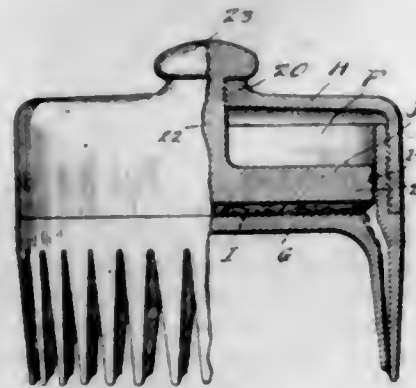


In a liquid level indicator having a chamber with a float therein supporting an indicator and means establishing communication between said chamber and the liquid to be measured, an indicator housing comprising a tubular support and a sleeve secured to the upper end of said support, said sleeve being closed at its upper end and having an elongated window through which the indicator may be viewed, a gauge tube inclosed by said sleeve, a gasket interposed between the lower end of the gauge tube and the upper end of said tubular support, a second gasket on the upper end of said gauge tube and a spring interposed between said last mentioned gasket and the closed end of the sleeve, substantially as set forth.

1,515,525. COMB. ROBERT A. STEVENS, Asheville, N. C. Filed Mar. 27, 1923. Serial No. 628,083. 1 Claim. (Cl. 132-13.)

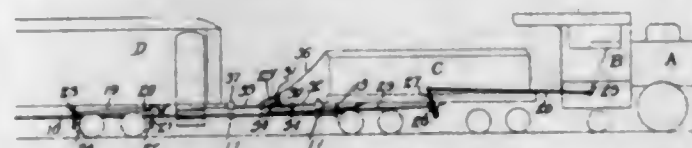
As a new article of manufacture, a combined massaging and shampooing comb comprising a circular body including a lower, disk shaped wall and an annular side wall, having external threads formed thereon and a

shoulder below said threads, hollow teeth arranged in annular formation on the lower wall and communicating with the interior of the body, a cap threaded on the body including a disk-shaped top wall and an annular side wall for receiving the side wall of the body, the cap having an axial enlargement formed thereon provided with a guide way therethrough, a plunger snugly



fitted within the body, a gasket carried by the periphery of the plunger engaging the inner surface of the body, a plunger rod formed axially on the plunger and extending through the bore of the enlargement, and a manipulating knob formed on the outer end of the rod for engaging said enlargement, when the plunger is in its innermost position in said body.

1,515,526. CAR BRAKE. GEORGE W. STOCKIN, Jacksonville, Fla. Filed May 4, 1922. Serial No. 558,504. 9 Claims. (Cl. 188-124.)

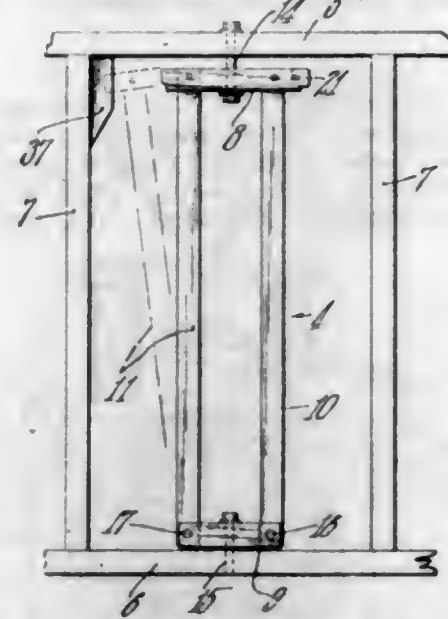


1. In a train of vehicles comprising an impelling member and impelled members, a draw bar between said impelling member and said impelled members having separable sections, a pin extending through said sections and adapted to be retracted for permitting relative movement between said sections, a control rod secured subjacent said members, pulleys for supporting the control rod carried by said impelled members and brakes adapted to be operated by the control rod upon relative movement between the said impelled members and said control rod.

1,515,527. CATTLE STANCHION. JOSEPH A. STOCK, Enfield, Mass., assignor of one-half to Emory H. Bartlett, Enfield, Mass. Filed Sept. 14, 1922. Serial No. 588,249. 2 Claims. (Cl. 119-150.)

1. In a cattle stanchion, the combination with stationary upper and lower stanchion supports, of a movable panel comprising a fixed vertical picket, a lower crossbar pivoted to said lower support and having one end rigidly secured to said picket, a fetter having its lower end pivoted to said crossbar, an upper crossbar pivoted to said upper support and having one end rigidly secured to the upper end of said picket and provided with a latch face and having its opposite end free, a latch yoke having its side arms pivoted by means of a horizontal pintle to the top of said fetter and having its cross arm engageable with and slidable along the upper face of the upper crossbar from the upper panel pivot to the fixed picket end thereof, the free end of said upper crossbar being longitudinally slotted in a vertical plane to receive the upper end of the fetter when the latter is in closed position, the side arms of said latch yoke being spaced from the fetter to enable the upper

cross bar projections at opposite sides of said slot to extend between the fetter and the side arms of the latch yoke when the fetter is in closed position, and said



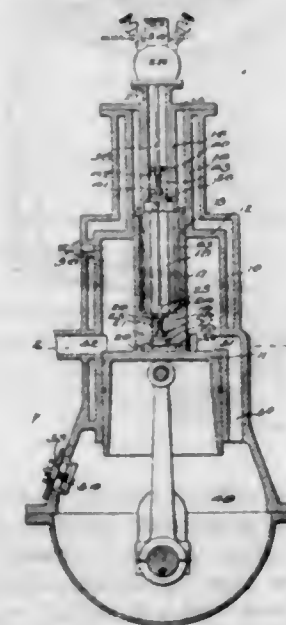
upper cross bar projections being slotted longitudinally in horizontal planes to receive said pintle when the fetter is in closed position.

1,515,528. STABILIZING SURFACE FOR AIRCRAFT. GEORGE WEISS, Zeesen, near Königs Wusterhausen, Germany, assignor, by mesne assignments, to American Investigation Corporation, New York, N. Y., a Corporation of Maryland. Filed Oct. 31, 1922. Serial No. 598,072. 3 Claims. (Cl. 244-29.)



1. In a lighter than air craft, girder frame members and stabilizing planes comprising hollow tapering frame members rigidly secured to the girder frame members.

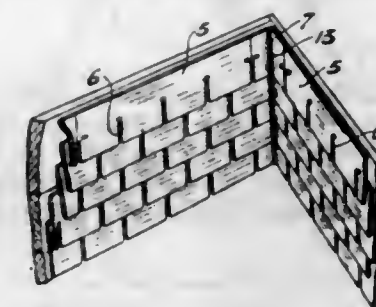
1,515,529. INTERNAL-COMBUSTION ENGINE. HUGO C. WELL, New York, N. Y. Filed Aug. 15, 1922. Serial No. 581,980. 9 Claims. (Cl. 123-66.)



7. In an internal combustion engine, a cylinder having a crank case, a check valve in the crank case permitting air to flow into the crank case, a piston in the cylinder, an inlet means extending upwardly from the piston, a

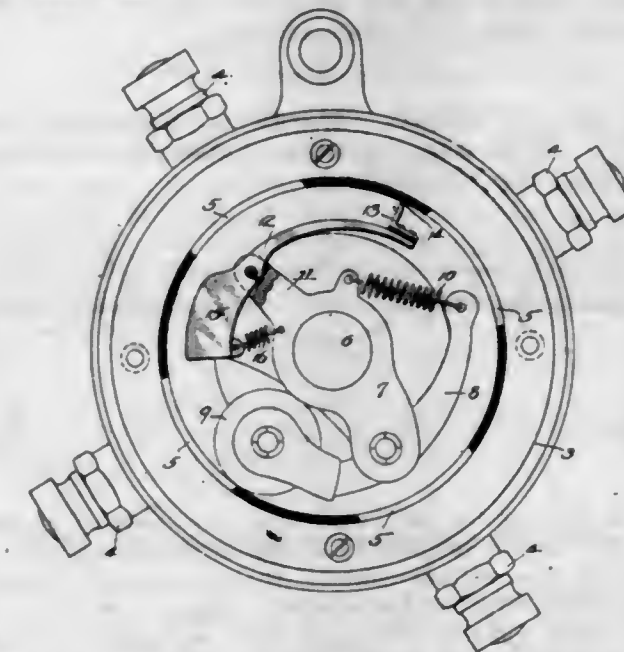
baffle plate at the said means, and an exhaust port, there being a passage in the cylinder from the crank case to the interior of the cylinder, the exhaust port and the passage being adjacent the crank case and being uncovered by the piston at the end of the power stroke.

1,515,530. SIDING AND SHINGLE STRIP FOR BUILDING PURPOSES. PETER P. WELTY, Pandora, Ohio. Filed Jan. 26, 1924. Serial No. 688,729. 2 Claims. (Cl. 20-5.)



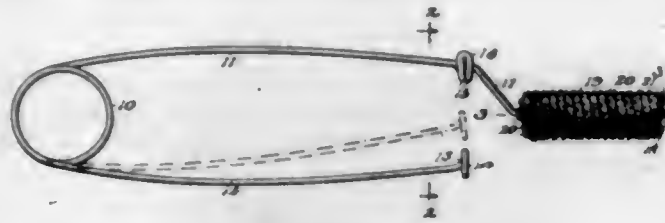
1. Covering means for the side of a house, consisting of a plurality of overlapped strips having slots at regular intervals extending transversely over a portion of the width of the strips, the terminals of the slots being covered by the successive overlapped strips, and supplemental inner and outer corner strips with flat surfaces and respectively having top straight edges, inclined and straight side edges with offsets forming slots having an extent of about one-half the extent of the slots of the main strips to coact with the slots of the latter strips, the lower edges of the said inner and outer corner strips being reversely inclined, the one strip having opposite downwardly inclined bottom edge portions converging towards a central maximum projection and the other strip having upwardly and inwardly inclined converging bottom edge portions terminating at a central maximum depression to adapt the said strip for application between the cut ends of the main strips and regularly continue the latter.

1,515,531. TIMER. HAROLD C. WILBER, Tuscola, Ill. Filed Jan. 31, 1923. Serial No. 616,164. 4 Claims. (Cl. 200-26.)



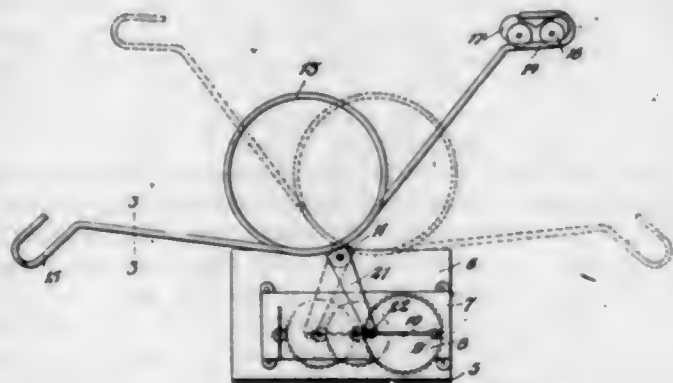
2. In a timer, a plurality of contacting segments, a contact device electrically associated therewith and movable relative thereto, a brush carrying member movable with said contact device, a brush carried by said member and engageable with said segments to clean the same as said device is moved, and means for yieldingly maintaining said brush in engagement with said segments until the movement of said device exceeds a predetermined speed.

1,515,532. FIRELIGHTER. LEO C. WENSON, Cresco, Pa. Filed Mar. 9, 1923. Serial No. 623,972. 2 Claims. (Cl. 158-10.)



1. A lighter of the class described comprising a handle presenting resilient side arms, the material of said arms being carried upwardly and outwardly to form grate-engaging members, said material extending forwardly beyond the grate-engaging members of the arms and carrying a lighting head.

1,515,533. TOY. OSCAR DELLMONT WILLIS, Huntington, W. Va. Filed Apr. 1, 1924. Serial No. 703,450. 3 Claims. (Cl. 104-55.)



2. In a toy, a track adapted to rock about a pivotal point to alternately elevate the ends of the track, a loop interposed between the ends of the track, a cage at each end of the track, a car adapted to travel the length of the track and be received in said cages upon rocking of the track, and means for rocking said track to alternately elevate the ends thereof.

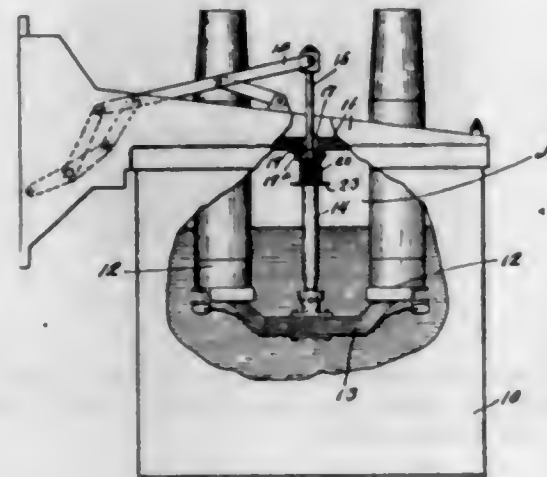
1,515,534. SUPPORT. ALBERT L. WOODSIDE, Butte, Mont. Filed Aug. 23, 1922. Serial No. 583,852. 2 Claims. (Cl. 188-205.)



2. A support for the brake and truss rods of a motor operated vehicle comprising a pair of members bolted together in face to face contact, the intermediate portions of said members being oppositely bulged to embrace the drive shaft housing of the vehicle on which the support is mounted, a bearing block supported on one of said members at each side of the bulged portion thereof, each block comprising superimposed sections having their confronting faces provided with a longitudinal groove and transverse grooves at both ends of the longitudinal groove, the corresponding transverse grooves of each section being arranged to receive the brake rods, said longitudinal grooves being adapted to receive a strip of felt saturated with lubricant, the ends of one of said members of the support being extended downwardly in paral-

el relation and terminating to provide U-shaped extremities arranged to receive the truss rods and bolts supported by the U-shaped extremities immediately above the truss rods for the purpose specified.

1,515,535. ELECTRIC SWITCH. CHESTER D. AINSWORTH, Wollaston, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Mar. 28, 1921. Serial No. 456,319. 17 Claims. (Cl. 200-150.)



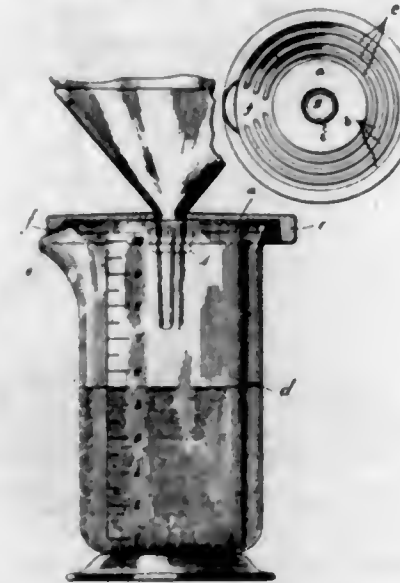
11. An electric switch comprising an enclosing casing adapted to contain oil and an expansion space above the oil, stationary and movable switch members contained in said casing, said casing having a vent for the gas expansion space, and closing means for said vent adapted to close the vent when the switch is closed and open the vent when the switch is open.

1,515,536. WRENCH. BYRON R. ARMSTRONG, Delphos, Ohio. Filed Aug. 16, 1923. Serial No. 657,667. 1 Claim. (Cl. 81-73.)



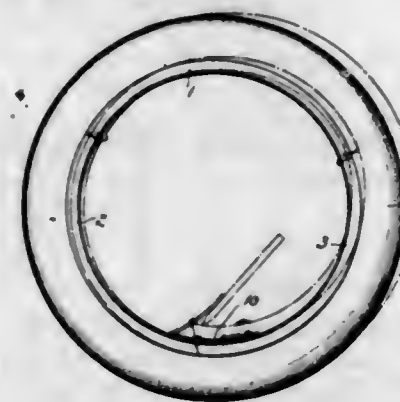
In a wrench, a tubular brace, a head having a socket connected to the brace, a disc located normally at the closed end of the socket, a rod connected to the disc, a wire extending along the brace and following a curve of the crank of the brace and connected to the said rod, a second rod connected to the wire and a finger piece located on the end of the last named rod, the side of the crank of the brace located nearest the head having an opening extending at a slight angle to the tubular opening of the brace for receiving the last named rod.

1,515,537. COMBINED FUNNEL SUPPORT AND RECEPTACLE COVER. JOHN COOPER ASHTON, London, England. Filed Dec. 10, 1923. Serial No. 679,827. 3 Claims. (Cl. 226-31.)



1. A combined cover and filter support, comprising a disc-like element formed on its lower surface with a plurality of means to respectively receive and substantially close the upper edges of beaker-like receptacles, said disc being centrally formed with an opening adapted to receive and support a filtering funnel.

1,515,538. DEMOUNTABLE RIM. OTTO BRAYTON BACHMAN, New York, N. Y., assignor to National Autoparts Corporation, Dover, Del., a Corporation of Delaware. Filed June 28, 1921. Serial No. 480,975. 8 Claims. (Cl. 301-33.)

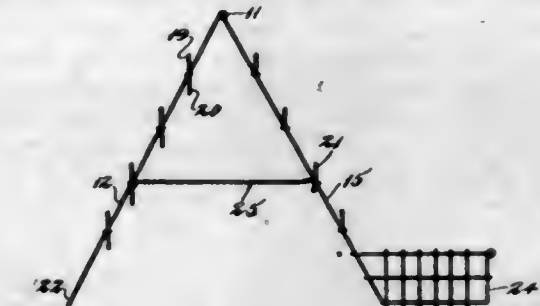


1. A demountable rim construction for automobile wheels, which comprises adjacent sections having abutting edges adapted to be separated, a lever fulcrumed on one of said sections and at the other end engaging the other of said sections, and a lip on said second section, spaced projecting fingers on said first section adapted to engage and embrace the lip on the second section whereby this engagement forms a fulcrum for the movement of the lever to cause the movement of one section with respect to the other section when the lever is operated.

1,515,539. CUP STAND. ALBERT BANK, Glenavon, Saskatchewan, Canada. Filed May 18, 1923. Serial No. 639,823. 1 Claim. (Cl. 211-14.)

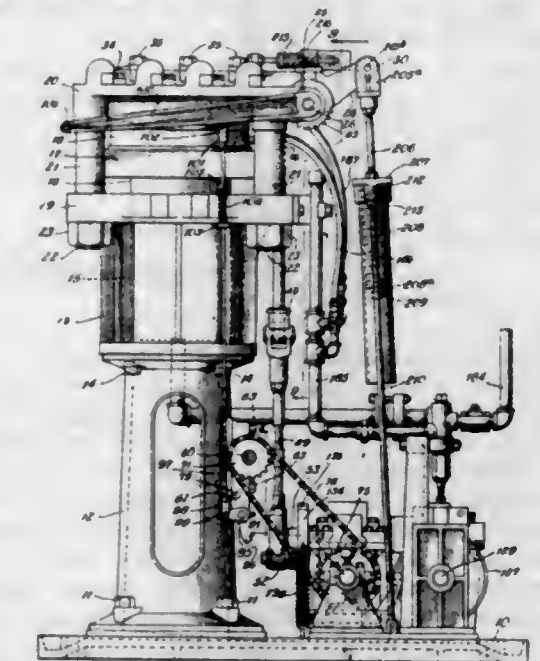
A cup rack, comprising two independent skeleton frames connected at their ends for independent swinging movement, said frames including transverse bars formed with cup receiving projections, the projections on the transverse bars of one frame extending above and below the transverse bars, and brace rods carried by one frame and adapted to removably engage the other, whereby the

frames may be held in relatively angular relation or through disconnection of the brace bars permitted to swing in substantial alignment for support from a wall.



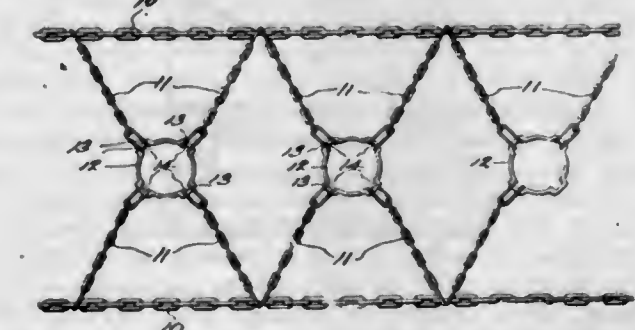
the double projections from the transverse bars of one frame providing upstanding cup receiving projections when said frame is in either operative relation to the other frame.

1,515,540. MOLDING PRESS. JOSEPH W. BISHOP, Muskegon, Mich., assignor to Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 5, 1923. Serial No. 622,838. 39 Claims. (Cl. 18-5.3.)



1. A press comprising a bed, a platen mounted in the bed, a second platen operatively connected to the bed, a driving shaft, a driven shaft, means operatively connecting the driving and driven shafts, means including a clutch associated with the driven shaft for bringing the second platen into and out of alignment with the first platen, and means for automatically controlling the operation of the clutch.

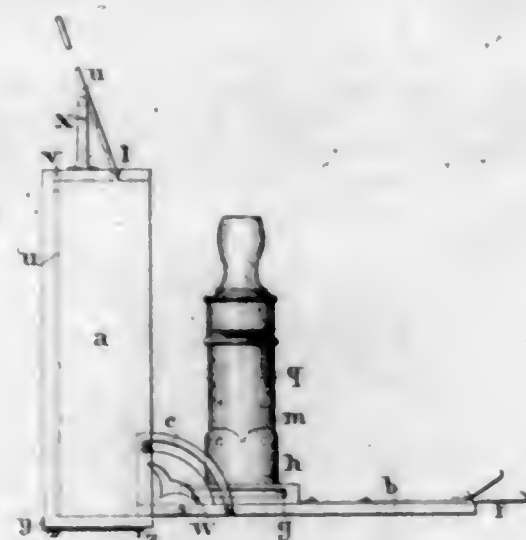
1,515,541. NONSKID CHAIN. JEFFERSON BLOOM, Curwensville, Pa. Filed Oct. 13, 1923. Serial No. 668,434. 1 Claim. (Cl. 152-14.)



Means for connecting the adjacent ends of a plurality of cross chains of an antiskid device together, said means comprising a ring formed at diametrically opposite points

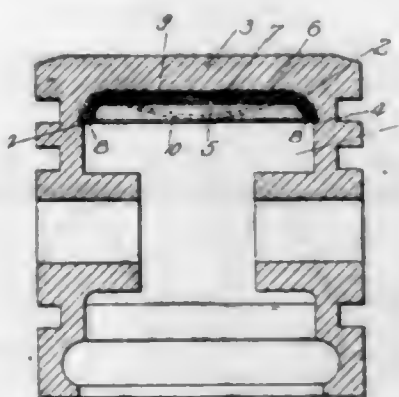
to provide outwardly extended portions of U-shape formation, all of said portions lying in the same plane with the body of the ring to properly contact or engage the thread of the tire and prevent injury thereto, and a substantially U-shaped connecting element connecting each of said cross chains with one of the U-shaped portions of said ring, and terminating to provide hooks to receive said portion, said hooks bearing against the parallel sides of said U-shaped portion to prevent spreading or sliding of the particular chain with relation to the ring.

1,515,542. CASE FORMING A SHAVING REQUISITE. FERDINAND BOUQUET, Paris, France. Filed Mar. 31, 1921. Serial No. 457,520. 6 Claims. (Cl. 132-80.)



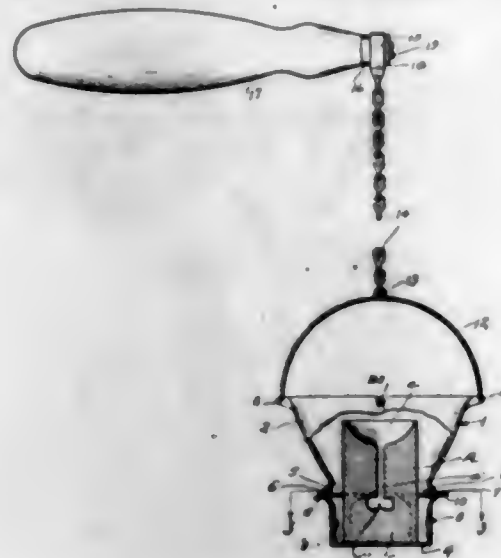
1. A case constituting a shaving requisite and comprising a container having a side thereof mounted to swing with respect to the body of the container, said side serving as a lid, a latching member for holding the lid closed, a sliding and oscillatory platform mounted on the lid, said platform being movable into and out of the interior of the container, means carried by the platform for receiving a plurality of toilet articles ordinarily used in shaving, and guiding means operating constantly to keep the platform in suitable position with respect to the lid.

1,515,543. PISTON. GERSHON BOWMAR, Toronto, Ontario, Canada. Filed Dec. 26, 1922. Serial No. 609,139. 5 Claims. (Cl. 74-108.)



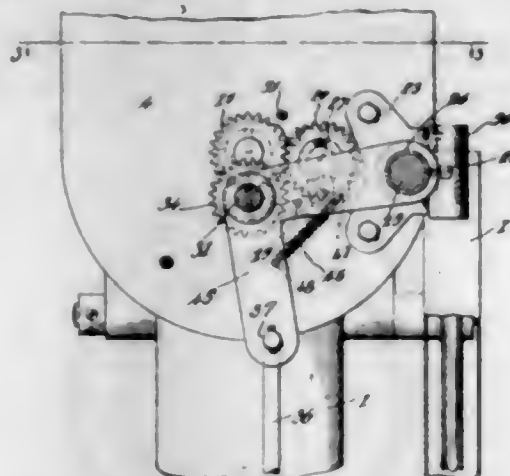
1. In a piston, a piston body, an air chamber secured entirely within said body and having spaced upper walls forming a secondary chamber, and a filling of heat non-conducting material for said secondary chamber.

1,515,544. CASTING DEVICE. JOHN O. BOYLE, Youngwood, Pa. Filed June 25, 1923. Serial No. 647,609. 6 Claims. (Cl. 22-65.)



1. In a device of the character described, a downwardly tapering body provided with a depending neck closed at its lower end, and means for holding a cupel placed within the neck against movement away from the bottom of said neck.

1,515,545. IRONING MACHINE. THOMAS N. BROWN, Fort Wayne, Ind. Filed Nov. 14, 1921. Serial No. 515,060. 1 Claim. (Cl. 68-9.)

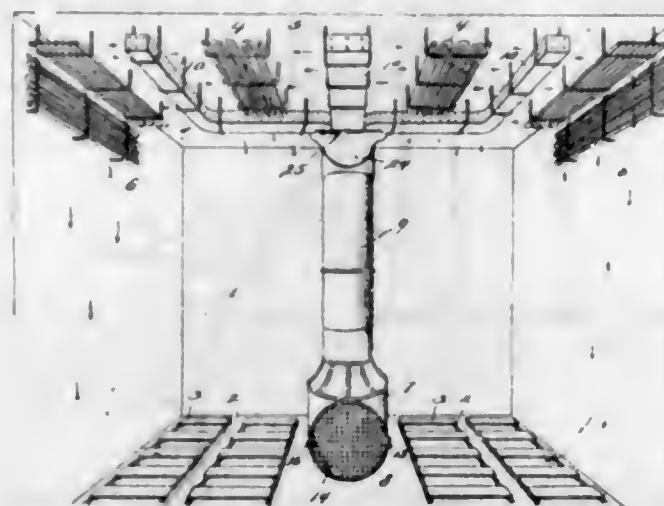


An ironing machine including a main shaft, a heating roll carried thereby, a driving pinion carried by the main shaft, a link rotatably mounted on said shaft, a stud shaft carried by the link, a relatively wide gear on the stud shaft and in mesh with said pinion, a stationary rod, supporting arms mounted for rotation upon the stationary rod, a feed roll, a rotatable shaft supporting and fixed to said feed roll and itself supported at the outer ends of said arms, a pinion fixed to said rotatable shaft, means for raising and lowering the feed roll shaft to engage and disengage its pinion with the wide gear, means for supporting the link in position, and means carried by one of the arms adapted to engage the stud shaft upon the upward movement of the rotatable shaft above a predetermined point whereby to raise the wide gear for proper meshing with the feed roll pinion.

1,515,546. COLD STORAGE SYSTEM. MILTON W. BROWNE, Kansas City, Mo. Filed May 9, 1923. Serial No. 637,758. 4 Claims. (Cl. 62-171.)

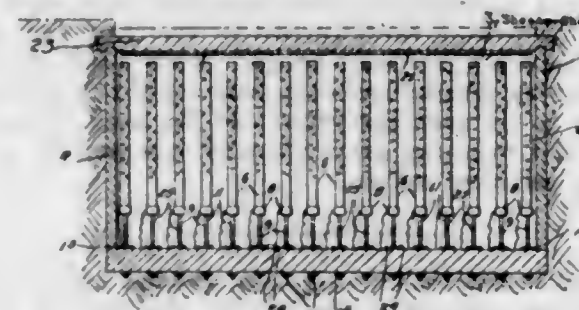
4. The combination with a refrigerating or cold storage room having a series of air-refrigerating means distributed across and located adjacent to its ceiling, of a housing located adjacent to the floor level of the room and having means for drawing air into it from at and near the floor level of the room, a conduit leading upwardly

from said housing for conducting air from the housing to the ceiling of the room, and a series of air distributing pipes distributed across and located adjacent to the ceiling of the room, said pipes being connected to receive air from said conduit and arranged to discharge the air toward and in the zones of the respective air-refrigerating pipes.



ing of the room, said pipes being connected to receive air from said conduit and arranged to discharge the air toward and in the zones of the respective air-refrigerating pipes.

1,515,547. ELECTRIC FISH STOP. HENRY T. BURKEY, Tulsa, Okla. Filed Mar. 29, 1922. Serial No. 547,830. 11 Claims. (Cl. 175-265.)



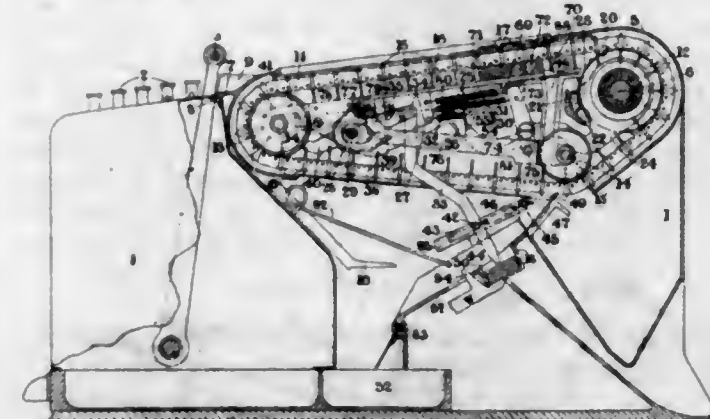
3. An electrical fish stop comprising supporting element, sectional attaching elements having one of their sections secured to said support, hinges connecting the sections of the attaching elements, electrodes detachably secured to the other section, and means for electrically charging said electrodes.

1,515,548. APPARATUS FOR REBORING HOLES ON DRILLING MACHINES AND TURNING LATHES. RUDOLF CEMOTSKY, Charlottenburg, near Berlin, Germany, assignor to Wilhelm Sasse, Spandau, Prussia, Germany. Filed Aug. 29, 1921. Serial No. 496,234. 2 Claims. (Cl. 77-58.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



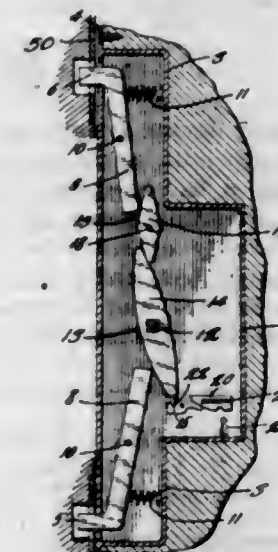
1. A tool of the character described including a disk provided with diametrically opposite substantially V-shaped cut away portions to provide oppositely disposed cutting blades, each of said blades having a cutting edge arranged at the lower surface of the disk, the lower surface of each cutting blade being gradually inclined upwardly from the cutting edge to the opposite end of the blade, the upper surface of each blade being also gradually inclined upwardly from the cutting edge in a direction toward the opposite end of the blade, and the peripheral side surface of each blade gradually curving toward the axis of the disk from the cutting edge of each blade toward the opposite end of said blade, each blade gradually increasing in thickness in a direction away from the cutting edge.

1,515,549. COIN-DELIVERY OR CHANGE-GIVING MACHINE. THOMAS WILLIAM CHICK, London, England. Filed Sept. 14, 1923. Serial No. 662,675. 11 Claims. (Cl. 133-1.)



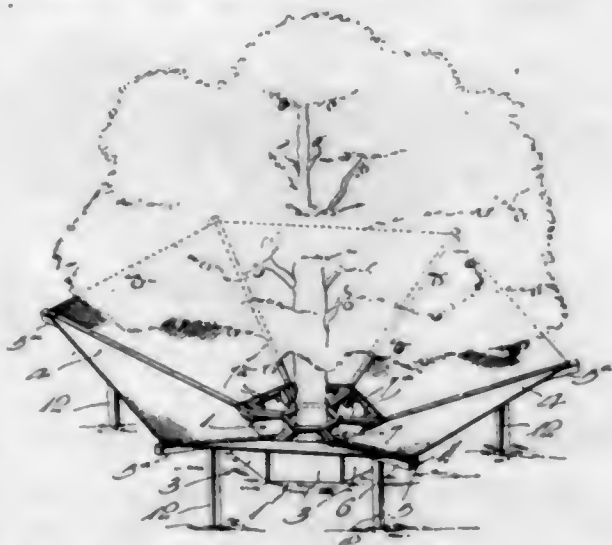
1. A coin delivery machine, comprising means for storing coins in assorted groups, means for separating some of the coins from each group and stacking them face to face in a pile, means for ejecting coins from said pile, and means adapted to be regulated by the coins in the pile for governing the aforesaid separating means, so that, prior to each ejection from the pile, only sufficient coins are separated from the assorted group appertaining thereto and are fed to the pile to maintain therein a number slightly in excess of that required to be ejected therefrom during one delivery operation of the machine, for the purpose of minimizing the resistance to ejection due to the friction between the face of a coin being ejected and the adjacent face of the stationary coin next above it, which friction is dependent on the weight of the stationary coins in the pile.

1,515,550. DOOR LOCK. HENDRIK CHRISTIAANSEN, Milwaukee, Wis. Filed Jan. 14, 1924. Serial No. 686,200. 2 Claims. (Cl. 70-74.)



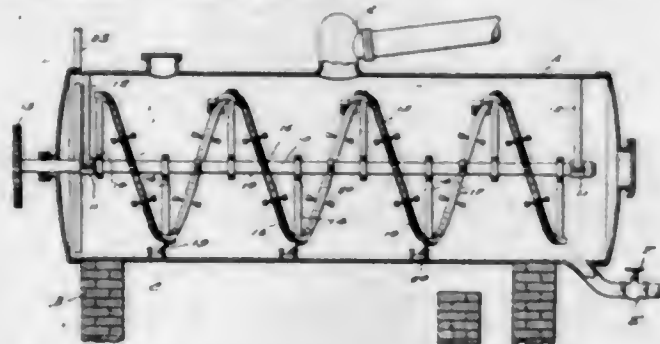
1. In a lock, a casing, bolts movable through the face thereof having inner angle ends which are pivoted in the casing, a spring for influencing the bolts to locking position, a knob spindle journaled in the casing, a throw element fixed thereon having opposite pointed ends, one of which underlying the angle extension of one of the bolts, key operated tumblers movable in the casing to engage one end of the throw member, a second throw member pivoted in the casing having opposed angle faces, one of which is in contacting engagement with the first mentioned throw member and the other in engagement with the extension of the second bolt, a fixed catch member on the knob spindle, a slidable catch member for cooperation therewith, guide means for the slidable catch member, and means for sustaining the said second catch member out of engagement with the fixed catch member.

1,515,551. FRUIT CATCHER. CANDIDO CRISTO, Hanford, Calif. Filed May 8, 1924. Serial No. 711,873. 4 Claims. (Cl. 56-329.)



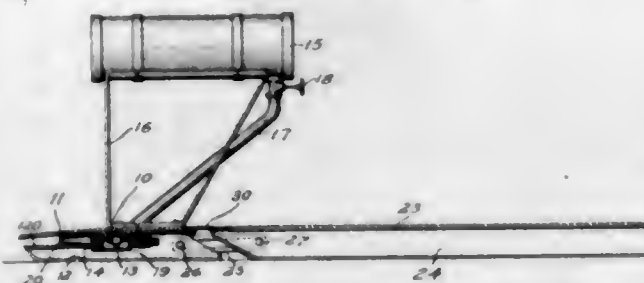
1. A fruit catcher comprising fruit receptacles to jointly surround a tree, radial inclined bars having means at their inner ends for engaging the receptacles and holding the latter in assembled relation, and a net carried by said bars.

1,515,552. STILL SCRAPER. ETHURGE CRAVENS, West Tulsa, Okla. Filed Feb. 3, 1922. Serial No. 533,879. 3 Claims. (Cl. 196-122.)



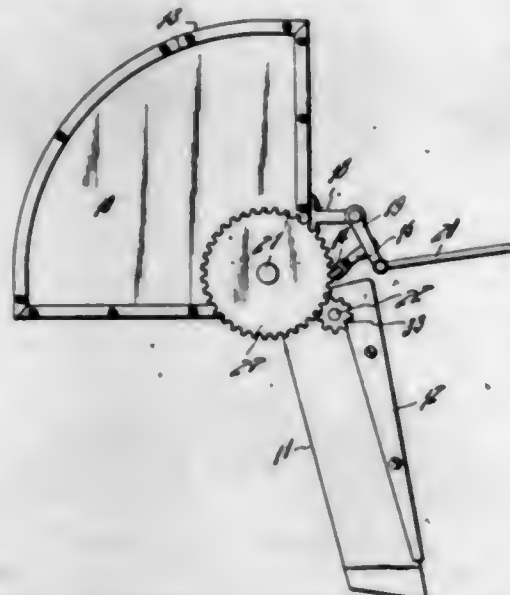
1. A still scraping device comprising a shaft journaled longitudinally of the still, a plurality of spokes radiating from the shaft, a bar of spiral formation carried by said spokes and extending substantially the full length of the still, a plurality of brackets adjustably mounted at intervals upon said bar, and a plurality of arms each pivoted within a bracket and carrying transversely arranged weighted scraper blades.

1,515,553. SNOW REMOVER. WILLIAM P. CUMMINGS, Long Island City, N. Y. Filed Nov. 30, 1923. Serial No. 677,774. 9 Claims. (Cl. 37-12.)



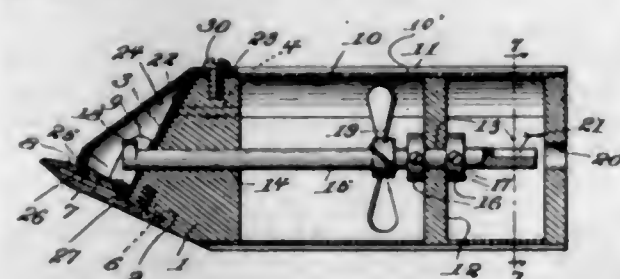
1. A snow remover including a platform, means mounting the platform to adapt it for forward movement to enter the platform beneath a snow heap, the front end of said platform being in the form of a ramp, and burner means beneath the platform and forwardly disposed in position to direct the flame beyond the front of the ramp to melt a zone of the snow heap at the base thereof to facilitate the movement of the platform beneath the snow heap.

1,515,554. TRACK-SANDING DEVICE. FIELDEN A. DAY, Arjay, Ky. Filed Apr. 2, 1924. Serial No. 703,788. 9 Claims. (Cl. 291-27.)



1. In a device of the character described, a casing constituting a sand reservoir, an outlet spout leading from one corner of the casing, means for controlling passage of sand to the spout, and feed means comprising a shaft journaled through said corner of the casing and carrying a sprocket, an arm carried by said shaft and pivoted thereon, a shaft carried by said arm and carrying a sprocket, a chain trained about both sprockets and carrying scraper elements, said chain and arm being adapted to lie upon the surface of the sand within the casing and to swing gravitationally downwardly as the level of the sand lowers.

1,515,555. CLIPPER. HOMER E. DERBY, Apache, Okla. Filed Oct. 16, 1922. Serial No. 594,897. 1 Claim. (Cl. 30-1.)



A hair clipper, a tubular casing, a solid member received in one end of the casing and closing the same and having its outer and lower faces beveled towards each other, a guard carried by the lower beveled face, a reciprocating cutting blade on the guard, a shaft journaled in the casing and solid member, and operative connection between the shaft and cutter blade, a shield arranged forwardly of the solid member and being substantially arcuate in cross section and extended around the adjacent end of the casing, the shield being substantially semi-cone shaped in vertical section and having its base end overlying the cutter blade and disposed in close proximity thereto, a fan element on the shaft, and the solid element being provided with openings through which air currents are adapted to pass to be deflected downwardly by the shield and over the cutter blade.

1,515,556. MANUFACTURE OF ARTIFICIAL SILK AND THE LIKE. WILLIAM PORTER DREAPER, London, England. Filed Jan. 10, 1922. Serial No. 528,345. 4 Claims. (Cl. 28-58.)

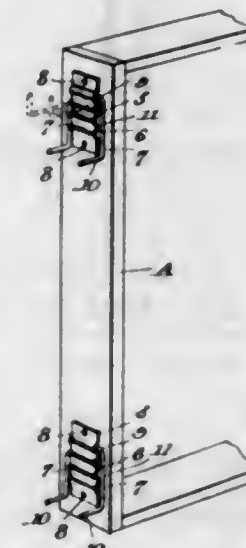
1. A process of treating artificial silk and like artificial filaments arranged in the form of a skein, consisting in first subjecting the filaments in a hydrated

plastic condition to a preliminary drying under tension, then supporting the skein in a moist condition loosely but with a limited freedom of motion in a plurality of places around its periphery, and finally subjecting the



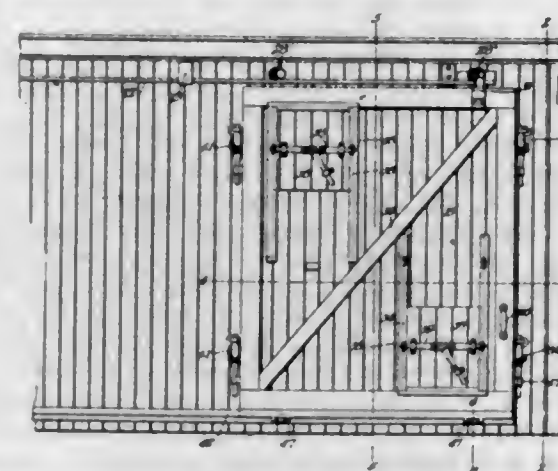
filaments while so supported to drying in conjunction with movement of the filaments relatively to each other, this being deflected by means of heated air moving relatively thereto at a high velocity.

1,515,557. ANCHORING DEVICE. ADELARD JOSEPH DUBEE, Glens Falls, N. Y. Filed July 29, 1922. Serial No. 578,379. 4 Claims. (Cl. 72-105.)



2. A device of the class described comprising a plate adapted to be attached to a door or window frame or the like, said plate having a plurality of corrugations which coact with the window frame to form sockets for receiving anchor members insertable in either end of said corrugations.

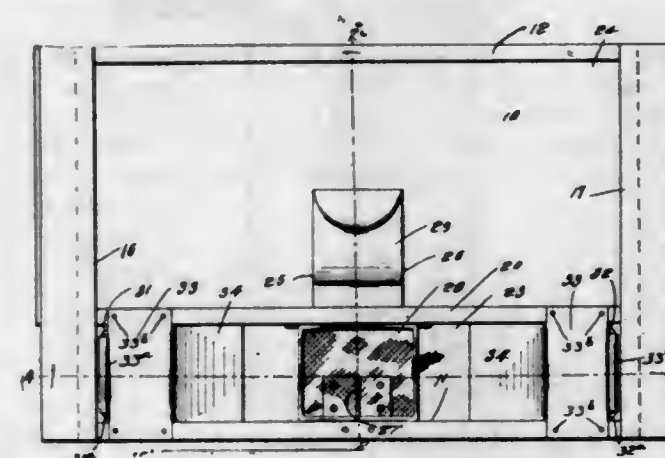
1,515,558. DOOR FOR GRAIN CARS. RICHARD ENLING, Eau Claire, Wis. Filed May 15, 1922. Serial No. 560,983. 2 Claims. (Cl. 20-23.)



1. The combination with the side of a car having a doorway formed therein, of a door for closing said doorway, means for effecting grain tight connection between the door and the doorway by moving the door inwardly toward the side of the car, a track carried by the side of the car and including inner and outer flanges, one of the flanges turning inwardly at a given point and

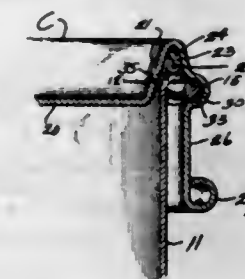
the other of said flanges turning inwardly at a point spaced therefrom, swivelled door hangers carried by the door and including wheels separately co-operating with the flanges, for guiding the door inwardly towards the side of the car, a stationary guide, and devices carried by the lower edge of the door, slidable along the guide, and slidable with reference to the door, permitting travel of the door and movement outwardly from the side of the car, said devices on the lower edge of the door being each of plate form, and each having its ends turned in opposite directions for respectively engaging the stationary guide and an element fixed with reference to the door, and limiting the outward movement thereof.

1,515,559. ANIMAL TRAP. CHARLES J. EDWARDS, Marshall, Mo. Filed Oct. 14, 1920. Serial No. 416,843. 1 Claim. (Cl. 43-65.)



A trap comprising a hollow rectangular member, a vertical partition therein in close proximity to one of the vertical walls thereof to provide a captive chamber and a runway and having an opening establishing communication between said chamber and runway, a door carried by said partition and extending across said opening, a plate secured to the upper edges of said partition and adjacent the vertical wall and provided at one side with a hinge barrel extending into the runway and at its other side with a downwardly and inwardly extending stop located in the runway, a door connected to said hinge barrel and extending downwardly and inwardly therefrom, said stop being positioned above the door and adapted to limit the upward swinging movement thereof.

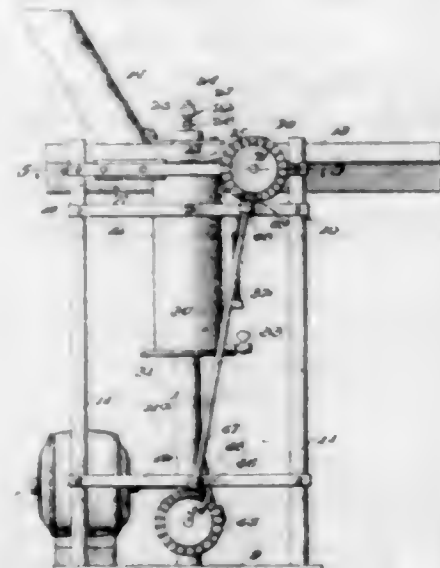
1,515,560. CLOSURE ARRANGEMENT FOR CONTAINERS. VERNON L. ELWELL, Leeton, Mo. Filed Nov. 16, 1922. Serial No. 601,297. 2 Claims. (Cl. 220-40.)



1. As an article of manufacture a container comprising a body receptacle having the upper edge thereof outwardly rolled to provide an annular passageway therein, said rolled edge being transversely apertured, a wire within said passageway crimped intermediate its ends to provide lugs laterally extending through the apertures of said roll, a lid for said receptacle body providing an annular V-shaped recess upwardly therein adapted to receive the roll of said receptacle, said lid providing an outer depending annular flange having out-struck portions thereon providing bayonet slots adapted

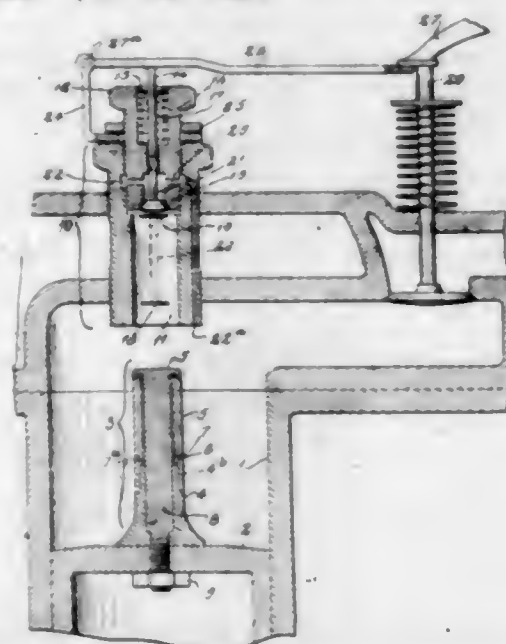
to receive the laterally extending lugs on the roll of said body receptacle, and a resilient packing within the V-shaped recess adapted to be clamped upon the roll of said receptacle when the lid is placed on said receptacle with the lugs fitting in the bayonet slots thereof.

1,515,561. APPARATUS FOR STAMPING OR BRANDING NUTS. ROLLIE ROY EASTON, Seattle, Wash., assignor, by mesne assignments, of one-half to Elvira B. Samples. Filed Oct. 18, 1923. Serial No. 669,350. 6 Claims. (Cl. 101-44.)



1. In a machine of the character described, a tubular housing having a pair of spaced rails therein, a feed hopper opening into the top of the housing, feeding mechanism including a plunger reciprocating in the housing and arranged below the hopper, a holding device receiving the nuts from the feeding mechanism and stamping means for stamping the nuts held in the holder.

1,515,562. NONELECTRIC IGNITER. FRITZ ENSLE, Roselle, N. J. Filed Dec. 5, 1923. Serial No. 678,621. 2 Claims. (Cl. 123-143.)



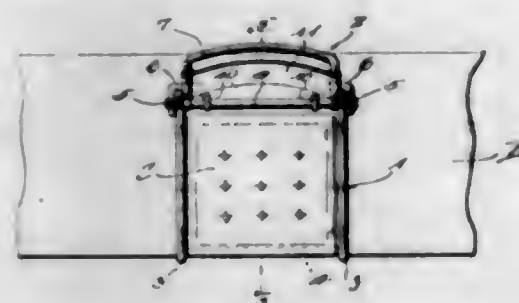
1. In an internal combustion engine, a cylinder, a main piston therein, an igniter piston carried by the main piston, an auxiliary cylinder arranged in line with and adapted to receive the igniter piston, a valve controlling admission of fuel to the auxiliary cylinder, a passage formed beyond and controlled by said valve to permit passage of compressed gas to return to the main cylinder on the non-explosive strokes of the main piston, and means for directly operating said valve.

1,515,563. EXPANDER FOR FINGER RINGS. NORMAN R. FELLENCER, Allentown, Pa. Filed Aug. 29, 1923. Serial No. 659,908. 3 Claims. (Cl. 29-8.)



3. A tool of the class described comprising a bar of spring metal drilled from one end to a point adjacent the other end and slotted from the first mentioned end to a point adjacent the bottom of the drilling whereby to provide a series of spring fingers, the extremities of said spring fingers being flared outwardly, and a sizing ring fitted on the tool and movable therealong to force said spring fingers inwardly toward each other.

1,515,564. FOLDING-SEAT ATTACHMENT. BERT RAND LINCOLN FIELD, Minneapolis, Minn. Filed Mar. 8, 1923. Serial No. 623,741. 1 Claim. (Cl. 155-133.)

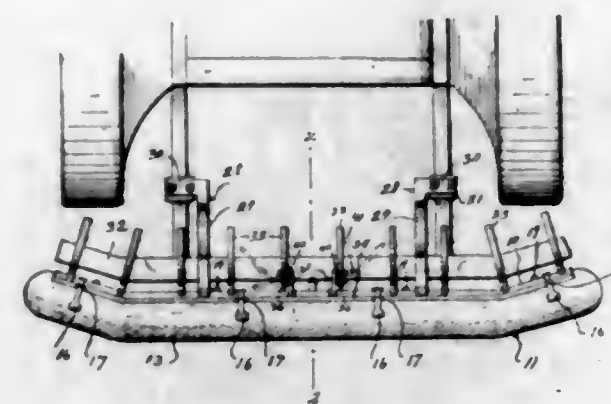


An attachment for seat-boards comprising a pair of substantially U-shaped frames, each one being formed from a single length of pliable metal rod bent to assume the shape named, one frame being adapted to extend transversely across the upper side of the board, the arms of this frame being equipped with opposed bearings and the extremities of the arms being directed inwardly toward each other to rest on the board, the other frame constituting a back-rest and having the lower ends of its arms bent to form hooks, the extremities of which provide upwardly directed stops for engaging the aforesaid inward ends of the first named arms, and a cross brace secured to the intermediate portions of said hooks and having its ends rotatably received in said bearings.

1,515,565. VEHICLE FENDER OR BUMPER. AMBROSE J. FINNEGAN, Castalia, Iowa. Filed Apr. 1, 1924. Serial No. 703,464. 8 Claims. (Cl. 293-55.)

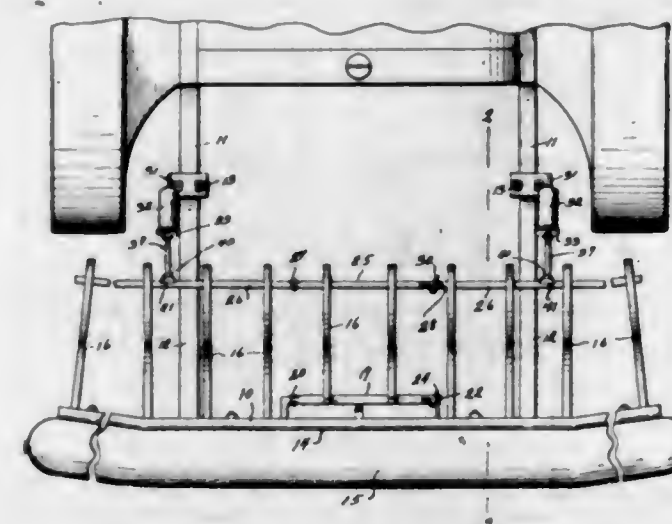
5. In a yieldable bumper construction, an elongated member having a concave face adapted to be forwardly

attached, an inflatable member seated in the concavity of the elongated member, said elongated member being



provided at its sides edges with outstanding flange portions, and securing elements for the inflatable member extending through the flanges of the elongated member.

1,515,566. VEHICLE FENDER. AMBROSE J. FINNEGAN, Castalia, Iowa. Filed Apr. 10, 1924. Serial No. 705,586. 6 Claims. (Cl. 293-42.)

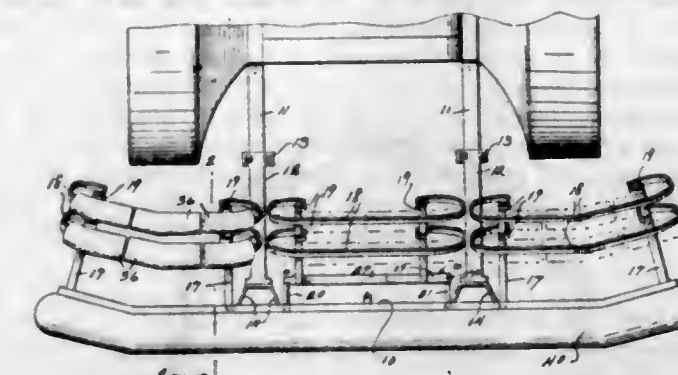


2. In combination with a vehicle, a rigid member extending transversely of the vehicle in spaced relation to the forward end of the vehicle and supported from the frame of the vehicle, a cushioning element carried by the front face of the rigid member, a plurality of resilient fingers extending upwardly and rearwardly from the rigid member and supported at their lower ends thereby, and bars connecting the upper ends of said resilient fingers, said bars including side bars and a central bar, the central bar being pivoted at one end to the side bars and being detachably engaged at the opposite end to the other of the side bars, the fingers secured to said central bar being connected at their lower ends by a rigid bar pivotally supported at one end from the rigid member and detachably engaged therewith at the opposite end.

1,515,567. VEHICLE FENDER. AMBROSE J. FINNEGAN, Castalia, Iowa. Filed May 6, 1924. Serial No. 711,443. 4 Claims. (Cl. 293-54.)

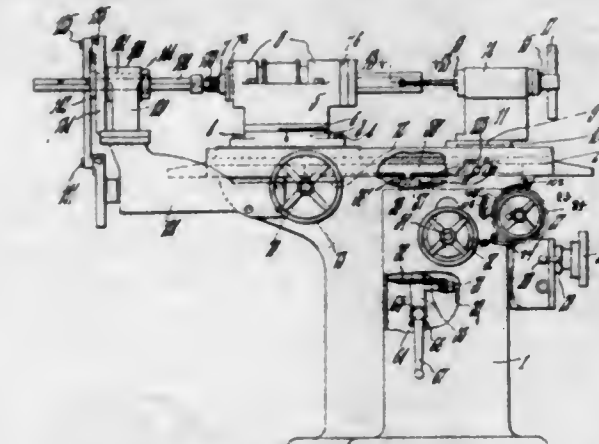
1. In combination with a vehicle fender comprising a rigid bar adapted to extend transversely of the vehicle, a cage supported from the bar and extending upwardly and rearwardly therefrom to receive a person engaged by the fender in passing thereover, the cage including

independently shiftable resilient elements, cushioning pads arranged upon the front face of said cushioning



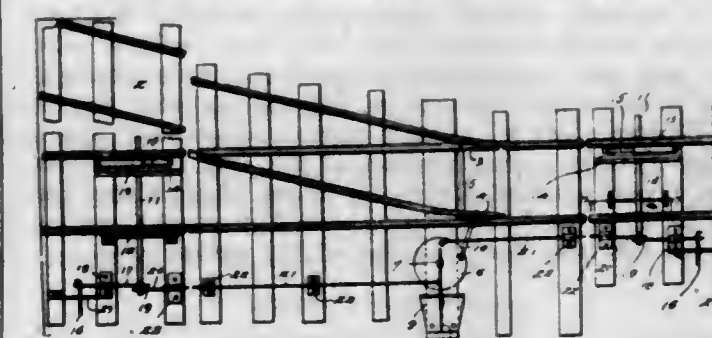
elements and each embodying a flange, and clamp elements straddling the cushioning elements and engaging the flanges of said pads.

1,515,568. GRINDING MACHINE. GEORGE W. FLEMING and ROBERT W. ELLINGHAM, Springfield, Mass., assignors to Van Norman Machine Tool Company, Springfield, Mass., a Corporation of Massachusetts. Filed Mar. 2, 1921. Serial No. 149,250. 29 Claims. (Cl. 51-93.)



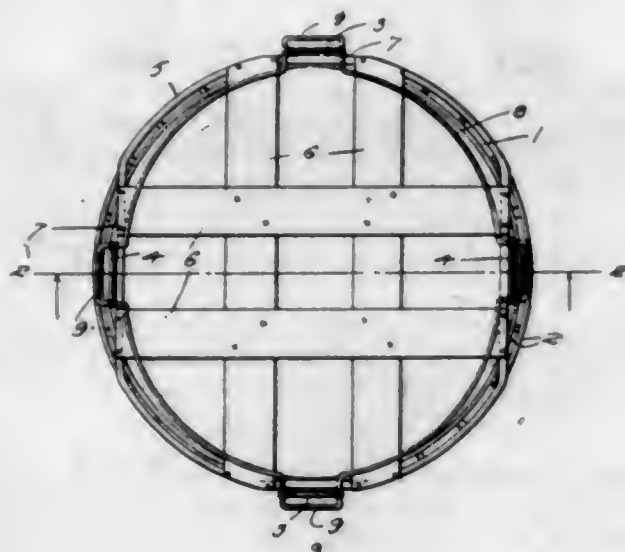
1. In a grinding machine, means for grinding a cylindrical surface comprising, a support for the work to be ground, a rotating grinding wheel, means for effecting relative reciprocatory movement between the grinding wheel and the work in a direction along the axis of the cylindrical surface being ground, and means acting during said reciprocatory movement for effecting a relative oscillatory movement between the grinding wheel and the work.

1,515,569. SAFETY RAILWAY SWITCH. THOMAS H. FOSDYCK, Monrovia, Calif., assignor of one-half to Abram Galbinsky, Monrovia, Calif. Filed Dec. 6, 1923. Serial No. 678,916. 4 Claims. (Cl. 246-346.)



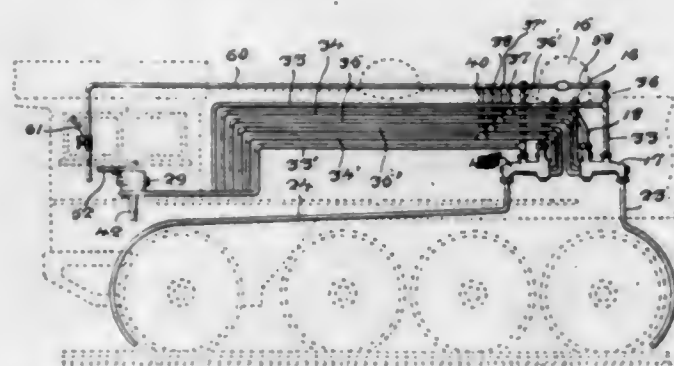
1. In combination with a railway switch, means to manually operate the same including a turnable part, a train operated lever disposed transversely of the track, an upright at one end of said lever, a link connection between said upright and said turnable parts, a support, a signal member mounted by said support, and a lever mounted by said support to actuate said signal member and connected to said upright.

1,515,570. FRUIT-BASKET COVER AND HOLDER. GEORGE R. FOWLER, Marlboro, N. Y. Filed Jan. 22, 1924. Serial No. 687,813. 6 Claims. (Cl. 217-124.)



1. A basket provided with a handle, a cover for the basket, and a retainer consisting of a ring of wire and for securing the cover, said retainer including a loop adapted to engage the handle and secure the cover.

1,515,571. LOCOMOTIVE SANDING APPARATUS. MACK J. FOWLER, Roanoke, Va., assignor to White American Locomotive Sander Company, Incorporated, Roanoke, Va., a Corporation of Virginia. Filed Feb. 9, 1923. Serial No. 618,092. 1 Claim. (Cl. 291-11.)

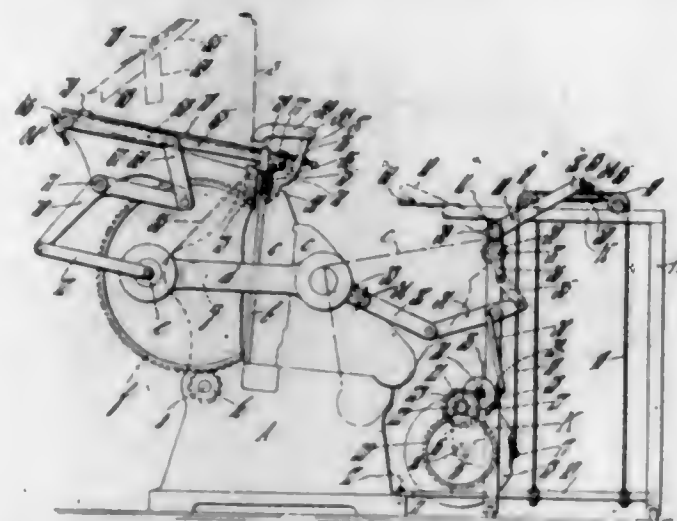


An engineer's sander valve comprising a casing having a plurality of discharge ports arranged in groups, a common inlet port, a valve chamber, a rotatable disk having a centrally raised portion with inwardly inclined ports in constant registration with the common inlet port, said disk also having an auxiliary port arranged to be brought into and out of registration with any of the discharge ports, a bevel-headed valve stem keyed in the centrally raised portion of the disk and forming parts of said inclined ports, and means whereby the disk may be operated to selectively establish communication between the inlet port and any of the outlet ports.

1,515,572. SHEET-HANDLING MECHANISM FOR PRESSES, CREASERS, AND THE LIKE. ELLSWORTH FREY, Springfield, Mass., assignor, by mesne assignments, to Ulter Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 26, 1922. Serial No. 531,888. 10 Claims. (Cl. 101-287.)

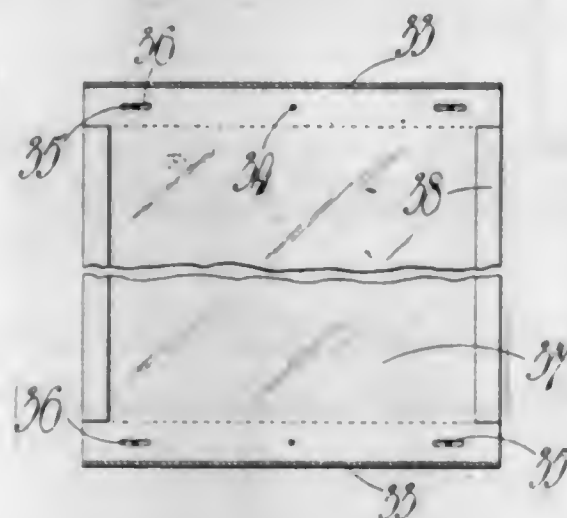
1. Sheet feeding mechanism, comprising, sheet conveying means adapted to be moved toward and away from the stack of sheets to be fed, yieldable means carried

by the first named means and arranged to be forced against the stack and stressed thereby, and means operable by the relief in stress of said yieldable means as the conveying means moves away from the stack to pick up the foremost sheet thereof.



erale by the relief in stress of said yieldable means as the conveying means moves away from the stack to pick up the foremost sheet thereof.

1,515,573. TRANSPARENT PANEL. HENRY GARNER and JAMES PARKER GARNER, Birmingham, England. Filed Oct. 3, 1922. Serial No. 592,171. 1 Claim. (Cl. 296-140.)

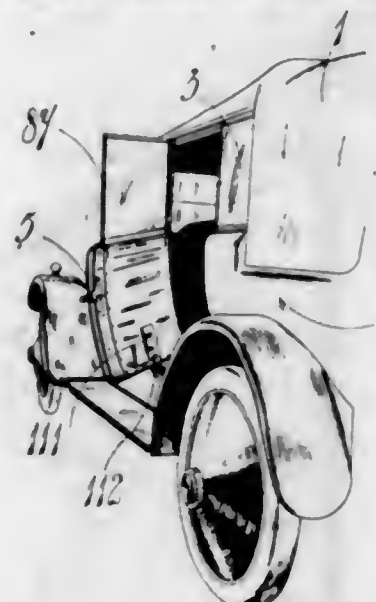


A transparent panel applicable as a sliding window comprising a sheet of transparent celluloid, channel shaped stiffening members of metal engaging over two opposite edges thereof and extending to the ends of said edges, a single rivet securing said channels to said sheet, a pin fixed in and passing from side to side of each of said channels, the ends of said pins being flush with the exterior of the channels, said pins passing through slots in said sheet, said slots being parallel to the adjacent edge of the sheet, and separate celluloid stiffening strips secured to the other edges of the sheet, the ends of said celluloid strips abutting against the edges of said metal strips.

1,515,574. ALL-WEATHER BODY FOR VEHICLES. HENRY GARNER and JAMES PARKER GARNER, Birmingham, England. Filed Oct. 3, 1922. Serial No. 592,172. 3 Claims. (Cl. 296-48.)

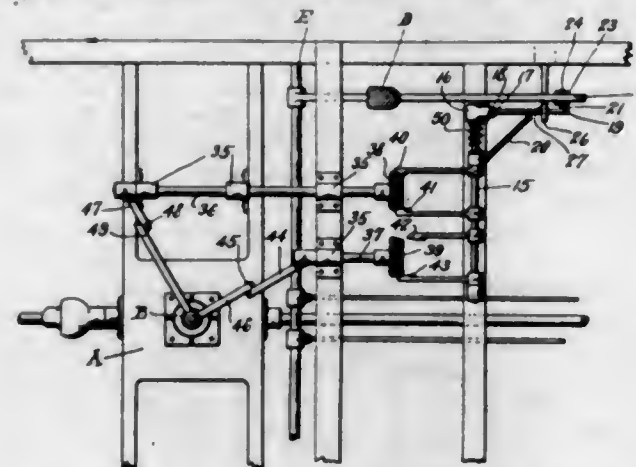
1. The combination of a sliding window; a pocket for receiving said window when opened; movable guides foldable in said pocket, which guides can be projected to guide the edges of said window when it is slid; a pivotal flap forming the upper part of the inner wall of

said pocket; sliding sections at the ends of said flap for closing the openings necessary for said guides when projected, and means tending to move said flap towards



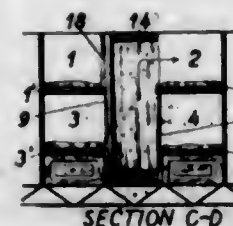
said window, whereby, when the window is fully lowered, said flap moves over the top thereof so as to close the top of the pocket.

1,515,575. GEAR-SHIFTING APPARATUS. MARSHALL W. GELETTE, New Bedford, Mass. Filed Jan. 16, 1924. Serial No. 686,666. 5 Claims. (Cl. 74-81.)



1. In combination with the gear shift element and clutch pedal of a motor vehicle transmission, arm members connected with said element, rotatable shafts operatively connected with said arms, a shaft operatively connected with the clutch pedal whereby to be moved thereby and means between said last and first named shafts for rotating the former to a limited extent.

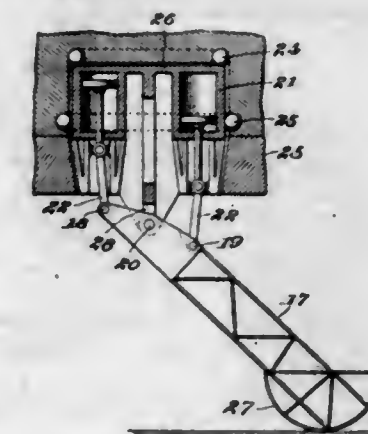
1,515,576. SLEEPING COMPARTMENT. FRITZ GENTZKE, Zeesen, near Königs Wusterhausen, Germany, assignor, by mesne assignments, to American Investigation Corporation, New York, N. Y., a Corporation of Maryland. Filed July 2, 1923. Serial No. 649,070. 4 Claims. (Cl. 105-315.)



1. Sleeping quarters in the car of an aerial vessel comprising tiers of beds at one side of a main passage and on either side of a lateral passage in communication with the main passage, the beds being arranged parallel with the lateral passage, means for providing separate dressing rooms for each of the beds comprising for the lower

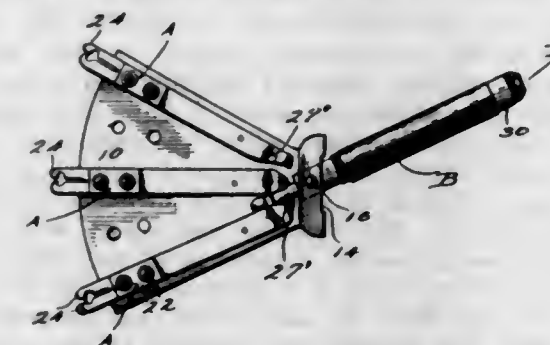
beds a chamber-like partitioning means arranged at the ends of each of the beds adjacent the main passage and closing off a space in front of said ends, and for the upper beds a chamber-like partitioning means in the lateral passage plus a curtain depending from the upper bed the balance of the length of the same not included by the said partitioning means, and a curtain depending from the other upper bed the full length of the same, passage to one of the dressing rooms for the upper bed being had between said bed length curtain and chamber-like compartment for the other upper bed.

1,515,577. LANDING APPARATUS FOR AIRSHIPS. FRITZ GENTZKE, Zeesen, near Königs Wusterhausen, Germany, assignor to Luftfahrzeugbau Schuette-Lanz, Mannheim-Rheinau, Germany. Original application filed Oct. 8, 1923, Serial No. 667,323. Divided and this application filed Feb. 8, 1924. Serial No. 691,530. 1 Claim. (Cl. 244-2.)



A landing device for airships comprising a turnable support, a lever pivoted to said support, a ground engaging member at one end of the lever, and energy-absorbing means on either side of the pivot of said lever, said means including chambers depending from said support and devices associated with said lever for operation within said chambers.

1,515,578. ELECTRICAL SWITCH. ALBERT GLASER, New Orleans, La. Filed Jan. 26, 1922. Serial No. 531,975. 2 Claims. (Cl. 200-4.)

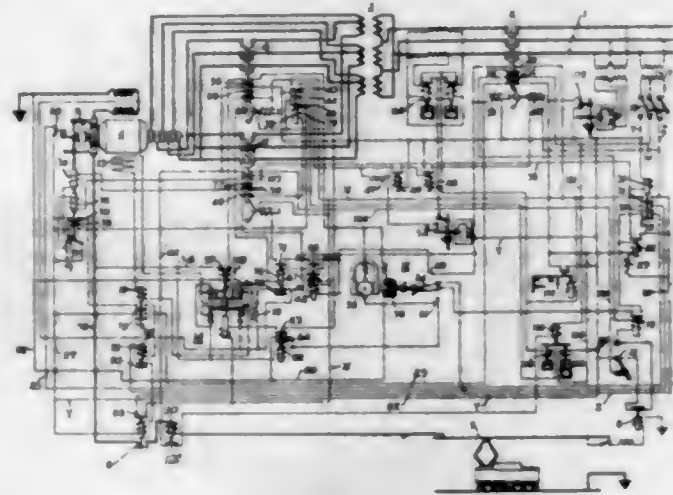


1. A switch of the character described, comprising a base plate, a plurality of spaced jacks secured to said base plate in diverging relation with each other, a sleeve pivoted for horizontal swinging movement beyond the free ends of said jacks, and a plug removably held by said sleeve adapted to be brought into alignment with each of said jacks for operating the same.

1,515,579. AUTOMATIC SWITCHING SYSTEM. CHARLES A. BUTCHER, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 28, 1922. Serial No. 584,601. 23 Claims. (Cl. 171-312.)

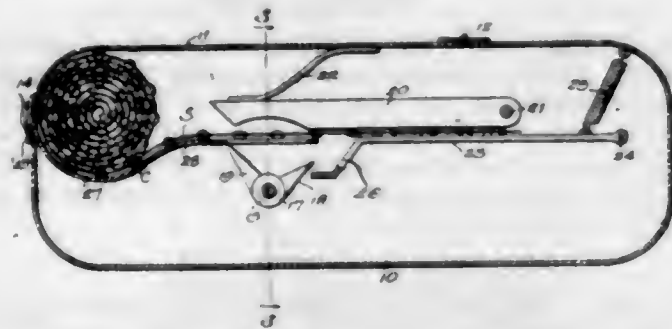
1. The combination with an alternating-current circuit and a synchronous dynamo-electric machine to be energized therefrom, of means for applying a reduced electromotive force to the windings of the machine to

start and to accelerate the machine to synchronous speed, means for subsequently applying the normal operating electromotive force to the windings, and controlling means for rendering the former means ineffective



and the latter means effective and for introducing a time interval between such operations to permit said controlling means to be rendered non-effective before the normal-force applying means is rendered effective.

1,515,580. SOUNDING TOY. JOSEPH P. KEEGAN, Newark, N. J. Filed Nov. 14, 1923. Serial No. 674,735. 2 Claims. (Cl. 46-46.)

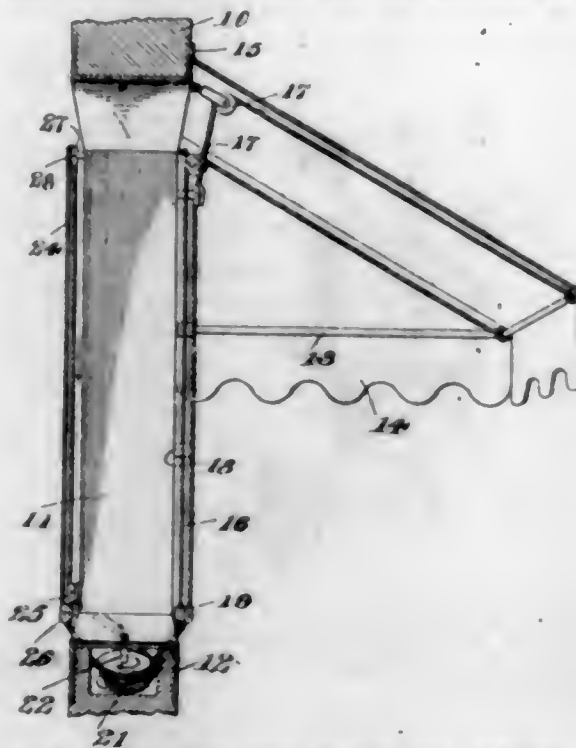


1. In a device of the character described, a handle, a hollow casing journaled thereon for rotation, an anvil within the casing, a relatively movable hammer within the casing, means for normally effecting the projection of the hammer against the anvil, a pair of relatively long and short arms disposed within the casing and projecting radially from the handle, the said short arm adapted upon rotation of said casing to effect intermittent separation of the hammer and anvil while the longer arm simultaneously engages with and effects an intermittent advancement of a detonating strip between said hammer and anvil, the said longer arm subsequently engaging with and catching the terminal of the hammer as it is released by the short arm and subsequently lifting the hammer and releasing the same for detonating that portion of the strip which is disposed between the hammer and anvil.

1,515,581. AWNING-OPERATING MEANS. JAMES R. MACLEAM, Denver, Colo., assignor to Frank R. Ashley, Denver, Colo. Filed Oct. 23, 1922. Serial No. 596,360. 1 Claim. (Cl. 156-15.)

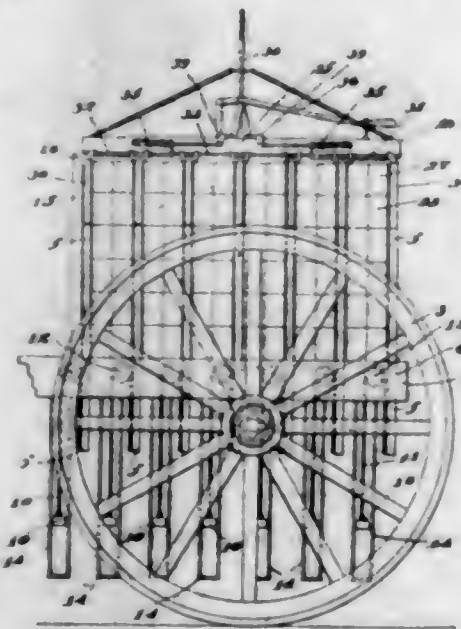
An improved awning operating mechanism comprising a shaft, a pulley and a drum formed integral with each other and rotatably mounted on said shaft, a casing enclosing said shaft, pulley, and drum and provided with orifices on the outer and inner faces thereof, awning control cords passing through the orifice on the outside of said casing and having their ends secured to the drum, an endless control cord passing over said pulley

and extending through the orifice on the inside face of said casing, pulleys located on the inner face of said casing and at one side thereof top and bottom, said last-



named cord passing over said pulleys and defining a pair of substantially parallel reaches whereby the drum may be rotated in either direction to control the operation of the awning control cord.

1,515,582. PARTITION CAR FOR HANDLING ARTICLES. ALEXANDER A. SCOTT, Knoxville, Tenn., assignor to Baltimore Trust Company, trustee. Filed Mar. 15, 1921. Serial No. 452,507. 6 Claims. (Cl. 214-38.)

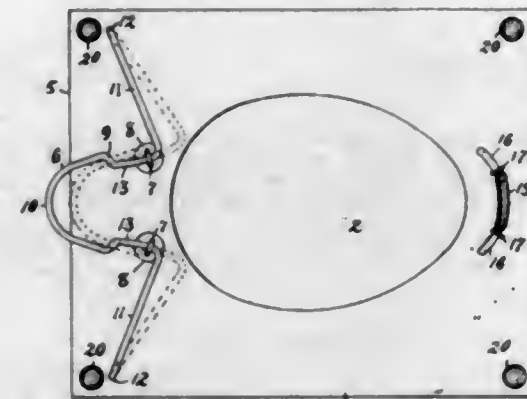


1. A movable truck having a platform, a plurality of vertically movable partitions carried by said platform, and appropriately spaced for the formation thereon of a unit stack of brick, in predetermined spaced relation, means to move the partitions vertically at will during loading, and means for lowering the partitions during unloading.

1,515,583. TOILET-SEAT ATTACHMENT. GEORGE H. VAN ARNAM, Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company, a Corporation of Indiana. Filed Aug. 8, 1924. Serial No. 730,797. 3 Claims. (Cl. 4-230.)

1. A child's seat attachment for a regular toilet seat, comprising an apertured supplemental seat applicable to be superimposed upon the regular seat, a spring wire

frame disposed on the bottom of the supplemental seat at the rear portion thereof, said frame having a central pendant loop with a rearwardly extending lower extremity, and having lateral swinging arms, each of which has an upturned end extending into said supplemental seat and upon which the arm turns pivotally, said frame also having curved sides between the corresponding arms and the pendant loop, the radius of each side being

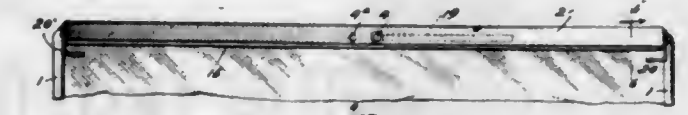


centered at the instance of the upturned end of the corresponding arm; a chafing plate interposed between each of said curved sides of the frame and the supplemental seat; a staple loosely securing each of said curved sides to the seat and extending through the corresponding plate; and a pendant stop projecting from the bottom of the supplemental seat adjacent the front end thereof.

1,515,584. WINDSHIELD-CLEANING DEVICE. HANS P. HANSEN, Orange, N. J., assignor to Hansen Windshield Cleaner Co., Inc., a Corporation of New York. Filed Mar. 3, 1921. Serial No. 449,419. 8 Claims. (Cl. 15-251.)

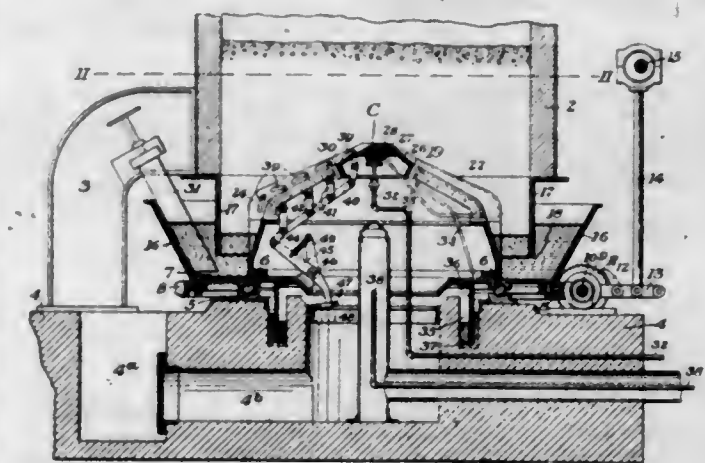
1. A windshield cleaning device embodying, in construction, a wiper-bar extending transversely across the windshield and having a wiper mounted therein and pivotally mounted connecting arms movable in an arcuate path and having a traveling connection with said wiper bar for moving said wiper bar vertically in parallel re-

lationship to the glass, means for causing said wiper to be held in yielding engagement with the surface of the glass during movement in one direction and to be



moved away from said glass in its movement in the opposite direction, and means for moving said connecting arms.

1,515,585. GRATE FOR GAS PRODUCERS. REINHARDT DAAR, Pittsburgh, Pa. Filed Dec. 7, 1920. Serial No. 428,851. 33 Claims. (Cl. 126-182.)



21. As a new article of manufacture, a rotary grate of elliptical form having a frusto conically shaped bottom portion provided with radially disposed ribs, said ribs having vertically disposed rear faces when considered with relation to the direction of rotation of the grate and sloping upper faces, said faces sloping upwardly and rearwardly toward the tops of the rear faces, there being chambers in said ribs, a chambered frusto conical top portion removably mounted on the bottom portion, the flat top of the top portion being at one side of the axis of rotation of the grate, and means for circulating fluid through said chambers, substantially as described.

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CONTENTS.		Page.
ISSUE OF NOVEMBER 18, 1924.....		523
NOTICES OF CANCELLATION.....		523
INTERFERENCE NOTICES.....		523
APPLICATIONS UNDER EXAMINATION.....		524
COMMISSIONER'S DECISIONS—		
Bendett v. Schweitzer.....		525
Ex parte Englander.....		526
Ex parte Foote.....		526
Ex parte Hertner.....		527
Ex parte C. S. Marshall Company.....		528
Coleman and Utne v. Neahr.....		529
Percy v. Martin.....		530
DECISIONS OF THE U. S. COURTS—		
In re Tufford.....		531
ADJUDICATED PATENTS.....		532
PATENT SUITS.....		532
ADVERSE DECISIONS IN INTERFERENCE.....		533
CHANGES IN CLASSIFICATION.....		533
TRADE-MARKS PUBLISHED (276 APPLICATIONS).....		535
TRADE-MARK REGISTRATIONS GRANTED.....		569
TRADE-MARK REGISTRATIONS RENEWED.....		578
REISSUES.....		579
DESIGNS.....		580
PATENTS GRANTED.....		592

Issue of November 18, 1924.	
Trade-Marks.....	233—No. 191,634 to No. 191,916, inclusive.
T. M. Renewals.....	19
Reissues.....	6—No. 15,946 to No. 15,951, inclusive.
Designs.....	65—No. 65,988 to No. 66,052, inclusive.
Patents.....	899—No. 1,515,586 to No. 1,516,484, inclusive.
Total.....	1222

Notices of Cancellation.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

Penn Textile Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Eddystone Manufacturing Company, Eddystone, Pa., to effect the cancellation of the trade-mark registration of the Penn Textile Company, 102 Fifth Avenue, New York, N. Y., No. 148,915, dated November 29, 1921, and the notice of such proceeding sent by registered mail to the said Penn Textile Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Penn Textile Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

J. Forney Draper & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James Graham, of No. 535 Fourth Street, Milwaukee, Wis., to effect the cancellation of the trade-mark registration of J. Forney Draper & Co., of Albia, Iowa, No. 40,356, dated May 12, 1903, and the notice of such proceeding sent by registered mail to the said J. Forney Draper & Co. at the said address having been returned by the post office as undeliverable, notice

is hereby given that unless said J. Forney Draper & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Interference Notices.

U. S. PATENT OFFICE, Washington, Oct. 21, 1924.

Louisiana Nut & Produce Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Dixie Pecan Growers Exchange Inc., Zebulon Street, Barnesville, Ga., for registration of a trade-mark and trade-mark registered May 9, 1910, No. 110,262, to Louisiana Nut & Produce Company, 505 Tchoupitoulas Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Louisiana Nut & Produce Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Louisiana Nut & Produce Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

Clarence May, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Allen-Qualley Company, Sixth and Broadway, St. Paul, Minn., for registration of a trade-mark and trade-mark registered November 15, 1921, No. 148,476, to Clarence May, 3112-3116 Cottage Grove Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said May at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said May, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 6, 1924.

Gilbert Toilet Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between William P. Plato, 317 West Berks Street, Philadelphia, Pa., for registration of a trade-mark and trade-mark registered May 19, 1914, No. 97,135, to Gilbert Toilet Company, Beatrice, Nebr., and a notice of such declaration sent by registered mail to said Gilbert Toilet Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Gilbert Toilet Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Condition of Applications Under Examination at Close of Business November 7, 1924.

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Oates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 15	June 6	973
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	May 3	May 2	744
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Sept. 4	Aug. 30	257
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Apr. 19	July 7	834
106*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Apr. 18	Apr. 17	981
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Apr. 3	Apr. 22	1,094
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	May 20	May 23	1,507
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	June 19	Aug. 5	1,269
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	May 10	Sept. 10	575
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	May 6	June 21	1,334
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	July 23	July 28	833
380	12. PIERCE, F. P., Machine Elements.	June 4	June 7	917
134*	13. NIXON, G. A., Bolt, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Mar. 31	Apr. 17	1,081
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	May 24	Sept. 9	488
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 22	May 1	1,331
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Apr. 10	Apr. 10	1,337
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 1	July 31	800
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 10	Mar. 12	1,239
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 2	July 24	828
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 26	May 10	1,195
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	May 5	Aug. 20	572
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Apr. 12	Apr. 21	1,108
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	May 16	May 26	479
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	May 10	May 28	831
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 15	Aug. 26	688
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Mar. 13	May 1	812
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 28	June 5	1,001
225	28. BENSON, A. R., Internal-Combustion Engines.	May 10	May 19	1,055
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Apr. 7	Apr. 24	1,175
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	May 8	June 13	1,210
314	31. HOLMES, W. N., Alcohol, Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	May 1	May 5	985
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	May 5	May 5	865
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	June 16	June 26	1,143
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 13	May 17	716
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Aug. 2	Aug. 1	650
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	May 16	May 20	1,515
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 25	May 3	1,580
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	May 19	May 24	1,096
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	June 3	June 16	635
260	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 28	July 11	1,894
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Apr. 14	June 16	663
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Mar. 17	Mar. 29	1,512
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Apr. 3	Apr. 7	1,225
253	44. SHAFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Apr. 15	Apr. 21	1,040
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	May 9	Mar. 19	844
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 17	Apr. 17	1,040
264	47. BARBER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Apr. 26	Apr. 19	1,455
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Mar. 17	Mar. 22	1,966
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	May 12	May 15	937
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Mar. 20	Mar. 27	1,722
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Apr. 14	Apr. 12	2,185
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	June 4	July 18	778
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 8	Apr. 15	1,398
102	DESIGNS: C. O. MARKHAM (Acting).	Oct. 1	Oct. 1	562
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Oct. 2	Oct. 16	1,633
		Aug. 19	Aug. 23	619

* Refers to room numbers in the annex
521

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

BENNETT v. SCHWEITZER.

Decided June 14, 1923.

MOTION TO ADD ANOTHER APPLICATION OF THE MOVING PARTY—DELAY IN BRINGING MOTION.

Where during the motion period S. filed a motion to shift the burden of proof, alleging that B.'s application in interference was not a division of the alleged parent application, and a month after the motion to shift was granted and a year and ten months after the motion period expired B. moved to add another of his applications to the interference, and where B. lost no substantial rights through failure to secure a hearing on his motion, Held that B.'s motion should not be set for hearing.

ON PETITION.

CURRENT INTERRUPTER.

Messrs. Houston & Houston for Bennett.

Messrs. Brown, Boettcher & Diener for Schweitzer.

ROBERTSON, Commissioner.

Bennett petitions for relief from the action of the Law Examiner dated March 18, 1923, refusing to set for hearing Bennett's motion to add his application Ser. No. 247,826, filed August 1, 1918, to the interference.

The interference was declared between the application of Bennett, Ser. No. 430,331, purporting to be a division of his application Ser. No. 207,771, filed December 18, 1917, and patent to Schweitzer, No. 1,358,180, granted on application Ser. No. 241,284, filed June 21, 1918.

During the motion period Schweitzer filed a motion to shift the burden of proof, alleging that Bennett's application in interference was not a division of his application Ser. No. 207,771, and specifically pointing out the difference between the alleged parent and divisional applications. No steps were taken at that time by Bennett toward introducing one of Bennett's other applications into the interference, although a motion to that effect might have been filed within or shortly after the expiration of the motion period.

On March 10, 1923, Schweitzer's motion to shift the burden of proof was granted, the Examiner of Interferences taking the ground that Bennett's application, Ser. No. 207,771, does not disclose the invention, and on April 9, 1923, a year and ten months after the expiration of the motion period and about the same length of time after Bennett had been apprised by Schweitzer's motion of a possible shifting of the burden of proof, Bennett moved to add his application Ser. No. 247,826 to the interference. The motion was renewed in response to objections to its form and substance, and on May 13, 1923, an order was issued to the effect that the motion would not be set for hearing, for

the reason that the verified showing why the motion was not earlier presented was insufficient.

In declining to set the motion for hearing the Law Examiner admitted a possibility that the suggestion at the bottom of page 2 of the decision of the Examiners in Chief dated June 24, 1922, would have warranted a new motion to dissolve (amend) if it had been made promptly after the decision was rendered.

It appears from Bennett's petition that Bennett was notified in 1919 of a probable interference involving his application Ser. No. 336,383, but that the Schweitzer patent issued without the suggestion of the claims of the patent to Bennett. If the notice referred to the Schweitzer application, it seems that the Examiner considered Bennett's application Ser. No. 336,383, and not 247,826, as the interfering application.

Bennett argues that because it has been ruled by the Examiner of Interferences that his application Ser. No. 430,331 (now in interference) is not a division of Ser. No. 207,771, and that if this ruling is correct his application Ser. No. 430,311 is barred by publication more than two years prior to its filing, therefore the only way in which justice can be done Bennett is to permit him to include in his interference his application No. 247,826. This objection is more apparent than real. A motion by Schweitzer to dissolve the interference on the ground that a statutory bar exists against the application of Bennett was denied a hearing, and a renewed attempt to have this matter considered (under rule 126) was met with a denial by the Examiner of Interferences, who stated

while the Commissioner on April 14, 1923 refused to set this motion for hearing, it is probable that Bennett will introduce this application (Ser. No. 247,826) in evidence during the time for taking testimony and thus secure at final hearing any benefit he may be entitled to by reason of said application.

This statement makes it clear that the question of priority can be determined without changing the applications involved in interference, and that Bennett loses no substantial rights through failure to secure a hearing on his motion. He loses the technical advantage of being considered the senior party, but he is not deprived of the right to show constructive reduction to practice based on any application of his which entitles him to such benefit. The record does not disclose such paramount equities in favor of Bennett as to warrant the Office in disregarding the usual rules relating to diligence in order to give him the further advantage of seniority.

It is noted that an oral hearing is requested. It is customary to consider and decide cases of this character without hearings.

The petition is denied.

EX PARTE ENGLANDER.

Decided May 3, 1923.

INVENTION—ANTICIPATION—UNPATENTABLE CHANGES.

Where the applicant's couch hammock, as claimed, differed from the device disclosed in a prior patent only in so constructing the ends as to form combined shields and arm rests, which end construction, although of different material, was shown in another prior patent; in connecting the ends with the seat-forming portion by hook-and-eye portions instead of another form of removable connection; and in the use of a yielding seat, the decision of the Examiners in Chief rejecting the claims was affirmed.

(Note.—This application has resulted in Patent No. 1,490,369, April 15, 1924.)

APPEAL from the Examiners in Chief.

HAMMOCK.

Messrs. Weed & Gray for the applicant.

KINNAN, First Assistant Commissioner:

Applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 1, 2, 6, 9, 10, 12 to 17, inclusive, 24, and 25.

On this appeal applicant has filed a proposed amendment cancelling claims 2, 10, 12, 13, 14, 24, and 25 and substituting in lieu thereof three claims which are numbered 21, 22, and 23. As the proposed amendment reduces the number of claims and the three new claims cover, in different language, the subject matter of certain of the appealed claims, the amendment will be entered and the three new claims considered in connection with the appealed claims 1, 6, 9, 15, 16, and 17.

Of these, claims 1, 6, and 23 are illustrative:

1. A couch hammock comprising a seat portion and closed ends constructed to form combined wind shields and arm rests, and means for suspending said seat portion independently of the ends.

6. A couch hammock having a seat portion and closed ends constructed to form combined wind shields and arm rests, means for suspending said seat portion independently of the ends, and means for detachably connecting said ends with the seat portion through the medium of said last means and comprising hook and eye-forming portions.

23. In a couch bed hammock, the combination of a yielding couch seat, a back, means for suspending the seat, and substantially rigid non-yielding ends connected to the seat and of less height than the back to form arm rests, said seat, back and arm rest forming ends constructed, a part of wicker, a part of metal and a part of a cushioned fabric.

The references are: Hallock, 1,035,962, August 20, 1912; Sisbower et al, 1,369,563, February 22, 1921.

The claims relate to a couch hammock in which the ends are formed of reed, wicker, or fiber, it being stated by appellant that the term wicker as used in the claims is intended to include within its scope reed fabric or any other material of the same general nature which may be used to form rigid ends as distinguished from fabric or woven material. Each "end" is attached to a metal frame, to the upper part of which the suspending chains are connected and to the lower part of which the seat is detachably secured, so that the weight of the seat and back is borne by these metal end frames. Thus no strain is placed upon the ends themselves. The ends are made lower than the back, so as to form arm rests. The appealed claims specify that the ends are constructed to form combined shields and arm rests.

The patent to Hallock discloses a couch hammock in which the bottom, back, and ends are formed of basketwork fabric. The patent to Sisbower et al shows a hammock having ends forming combined windshields and arm rests. These ends are made of canvas attached each to a wooden bar. The bar serves as the arm rest. Appellant, then, was taught the advantage of the arm rests by Sisbower. It is believed obvious there would be no invention in so constructing the ends of the Hallock hammock to form arm rests, even though they are made of different material.

The ends of the Hallock hammock are attached to the seat by bolts 3, to which are attached the cords by which the hammock is suspended. The means for suspending the hammock is therefore independent of the ends. In other words, as in applicant's construction, the weight is not carried at all by the ends. The ends could be removed and the seat still be supported by the seat-suspending means. It is true the suspending means would be disturbed to remove the ends and would have to be replaced; but the claims do not distinguish as to this point.

Claim 6 specifies that the means for connecting the ends with the seat portion comprises "hook-and-eye-forming portions." There would obviously be no invention in forming the bolts 3 of Hallock with an eye and attaching the suspending ropes thereto by a hook, a hook and eye being one of the most usual forms of detachable connections. If this claim is amended as follows, it may be allowed:

A couch hammock having a seat portion and closed ends constructed to form combined wind shields and arm rests, means for suspending said seat portion independently of the ends, and means for independently connecting said ends with the seat portion suspending means and through the medium of said last means with the seat portion.

No invention is involved in the use of a "yielding" seat, as specified in claims 21, 22, and 23, since it is common practice to use such seats in couch hammocks as well as in couches and beds, nor would there be any invention in making the seat, back, and arm rest, forming ends, "a part of wicker, a part of metal and a part of cushioned fabric," as specified in claim 23, the use of cushions being common in this type of devices.

The appealed claims are believed to be too broadly drawn in view of the state of the art.

The decision of the Examiners in Chief is affirmed.

EX PARTE FOOTE.

Decided August 21, 1923.

1. INVENTION—MECHANICAL SKILL.

Where it has been usual to locate the planetary reducing gears of tractors at or near the rear-wheel hubs, as shown by one reference, but another reference shows reducing gears of a different type at the central portion of the rear axle, and there would be no difficulty in substituting the gearing shown in the former reference for that shown in the latter, Held that there is no invention in making such a substitution.

2. SAME—SAME.

To use a variable-speed transmission gearing which is old and well known for driving a tractor speed-reducing gear which is not variable and which when used alone was inclosed in a casing and to inclose within a casing the entire gearing thus assembled, is not invention.

(Note.—This application has resulted in Patent No. 1,490,375, April 15, 1924.)

APPEAL from Examiners in Chief.

TRACTOR.

Mr. Fred Gerlach for the applicant.

KINNAN, First Assistant Commissioner:

This is an appeal from the decision of the Examiners in Chief affirming the action of the Primary Examiner in finally rejecting claims 1 to 7, inclusive, and claims 17 and 18. Of these the following are illustrative:

1. In a tractor, the combination of a pair of coaxial traction wheels, axles for said wheels respectively, each having its outer end secured to drive one of the wheels at its own speed, differential gearing coaxially mounted with and between the axles, pinions connected with and driven by the differential gearing, and reducing gearing between the inner ends of the axles and said pinions comprising planetary gears operated by said pinions.

6. In a tractor, the combination of a pair of traction wheels, axles for the wheels respectively, each having its outer end connected to drive one of the wheels at its own speed, differential gearing between the inner ends of the axles, planetary reducing gearing between the differential gearing and the inner ends of the axles, variable speed transmission gearing connected to drive the differential gearing, and a supporting case adapted to contain lubricant and conjointly enclosing said transmission, differential and reducing gearings.

The references cited are: Herman, 1,064,213, June 10, 1913; Whitney, 1,126,602, January 26, 1915; Olson, 1,151,381, August 24, 1915; Renault, Br., 3,104, February 6, 1913.

The claims relate to transmission gearing especially useful for tractors and include variable speed, reversible, and differential functions with planetary reducing gears, all located at the central portion of the rear axle, arranged to transmit the engine power to the rear driving wheels, and be all conveniently inclosed by a suitable housing.

As pointed out in the decision of the Examiners in Chief, claims 1 to 5, inclusive, read directly upon the disclosure of the Renault patent except for the specific type of speed-reducing gearing employed.

The Whitney patent shows in Fig. 1, the specific type of speed-reducing gearing which applicant uses.

[1] It has been usual to locate the planetary reducing gears near or at the tractor rear-wheel hubs, as shown by Whitney, but the British patent to Renault shows the reducing gears located as applicant locates them, although the particular type of gears is different. However, it is not seen, nor is it pointed out by the applicant, that there would be any difficulty in substituting the Whitney speed-reducing gearing for that shown in Renault; nor can it be held that there would be any invention in conceiving the idea of making such a substitution. It is a mere matter of choice where the gears are located. To the mechanic skilled in this art all those changes are mere workmen's jobs involving merely the usual skill of the calling.

[2] Claims 6 and 7 include the variable-speed transmission gearing and the supporting case inclosing all the gearing. While Renault does not employ a variable-speed transmission gearing, such gearing is old and well known, as appears from the Herman patent. To use such a variable-speed transmission for driving the gear 2 of Renault would not be invention, nor would it be invention to inclose the entire gearing within a casing, since Renault shows all the gearing which he employs inclosed in such a casing.

Claims 17 and 18 are similar to claims 1 to 5, and the same grounds for rejection apply.

The question involved here is analogous to that involved in the case of *Mast, Foos & Company v. Stover Manufacturing Company*, 91 O. G. 1239; 177 U. S. 485, in which, in discussing the Martin patent, which showed an internal-toothed wheel employed in driving windmills, in connection with an external-toothed wheel for converting the revolving motion of the wind-wheel shaft into the perpendicular motion of the pump shaft, the Court said:

"... Martin, therefore, discovered no new function; and he created no new situation, except in the limited sense that he first applied an internal gearing to the old Mast-Foos mill, which was practically identical with the Martin patent, except in the use of an internal gearing. He invented no new device; he used it for no new purpose; he applied it to no new machine. All he did was to apply it to a new purpose in a machine where it had not before been used for that purpose. The result may have added to the efficiency and popularity of the earlier device, although to what extent is open to very considerable doubt."

The decision of the Examiners in Chief is affirmed.

EX PARTE HERTNER.

Decided March 27, 1923.

1. PRACTICE IN THE PATENT OFFICE—PROSECUTION OF APPLICATIONS—REJECTION BY EXAMINERS IN CHIEF ON NEW GROUNDS—RULE 139.

Where the Examiners in Chief rejected the claims before them, relying upon the references of record and in addition upon new grounds, and appeal was taken to the Commissioner one year thereafter lacking only six days, a request, filed after appeal to the Commissioner, and more than a year and six months after the decision of the Examiners in Chief, that the case be remanded to the Primary Examiner under rule 139 to consider proposed substitute claims was denied.

2. SAME—SAME—SAME—EFFECT OF FILING APPEAL.

By filing his appeal to the Commissioner after a recommendation or rejection by the Examiners in Chief on new grounds the applicant waives his right to have the case remanded to the Primary Examiner and also waives his right to have the case reconsidered by the Examiners in Chief.

ON REQUEST.

Messrs. Thurston & Kivis and Messrs. Gordon & Stewart for the applicant.

FENNING, Assistant Commissioner:

This case is before me on request of the applicant that it be remanded to the Primary Examiner to consider a proposed amendment consisting of five substitute claims and a request that the hearing now set for March 28 be postponed.

Applicant bases his request for remanding the case to the Primary Examiner upon the provisions

EX PARTE ENGLANDER.

Decided May 3, 1923.

INVENTION—ANTICIPATION—UNPATENTABLE CHANGES.

Where the applicant's couch hammock, as claimed, differed from the device disclosed in a prior patent only in so constructing the ends as to form combined shields and arm rests, which end construction, although of different material, was shown in another prior patent; in connecting the ends with the seat-forming portion by hook-and-eye portions instead of another form of removable connection; and in the use of a yielding seat, the decision of the Examiners in Chief rejecting the claims was affirmed.

(Note.—This application has resulted in Patent No. 1,490,369, April 15, 1924.)

APPEAL from the Examiners in Chief.

HAMMOCK.

Messrs. Weed & Gray for the applicant.

KINNAN, First Assistant Commissioner:

Applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 1, 2, 6, 9, 10, 12 to 17, inclusive, 24, and 25.

On this appeal applicant has filed a proposed amendment cancelling claims 2, 10, 12, 13, 14, 24, and 25 and substituting in lieu thereof three claims which are numbered 21, 22, and 23. As the proposed amendment reduces the number of claims and the three new claims cover, in different language, the subject matter of certain of the appealed claims, the amendment will be entered and the three new claims considered in connection with the appealed claims 1, 6, 9, 15, 16, and 17.

Of these, claims 1, 6, and 23 are illustrative:

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The appealed claims are believed to be too broadly drawn in view of the state of the art.

The decision of the Examiners in Chief is affirmed.

EX PARTE FOOTE.

Decided August 21, 1923.

1. INVENTION—MECHANICAL SKILL.

Where it has been usual to locate the planetary reducing gears of tractors at or near the rear-wheel hubs, as shown by one reference, but another reference shows reducing gears of a different type at the central portion of the rear axle, and there would be no difficulty in substituting the gearing shown in the former reference for that shown in the latter, Held that there is no invention in making such a substitution.

2. SAME—SAME.

To use a variable-speed transmission gearing which is old and well known for driving a tractor speed-reducing gear which is not variable and which when used alone was inclosed in a casing and to inclose within a casing the entire gearing thus assembled, is not invention.

(Note.—This application has resulted in Patent No. 1,490,375, April 15, 1924.)

APPEAL from Examiners in Chief.

TRACTOR.

Mr. Fred Gerlach for the applicant.

KINNAN, First Assistant Commissioner:

This is an appeal from the decision of the Examiners in Chief affirming the action of the Primary Examiner in finally rejecting claims 1 to 7, inclusive, and claims 17 and 18. Of these the following are illustrative:

1. In a tractor, the combination of a pair of coaxial traction wheels, axles for said wheels respectively, each having its outer end secured to drive one of the wheels at its own speed, differential gearing coaxially mounted with and between the axles, pinions connected with and driven by the differential gearing, and reducing gearing between the inner ends of the axles and said pinions comprising planetary gears operated by said pinions.

6. In a tractor, the combination of a pair of traction wheels, axles for the wheels respectively, each having its outer end connected to drive one of the wheels at its own speed, differential gearing between the inner ends of the axles, planetary reducing gearing between the differential gearing and the inner ends of the axles, variable speed transmission gearing connected to drive the differential gearing, and a supporting case adapted to contain lubricant and conjointly enclosing said transmission, differential and reducing gearings.

The references cited are: Herman, 1,064,213, June 10, 1913; Whitney, 1,126,602, January 26, 1915; Olson, 1,151,381, August 24, 1915; Renault, Br., 3,104, February 6, 1913.

The claims relate to transmission gearing especially useful for tractors and include variable speed, reversible, and differential functions with planetary reducing gears, all located at the central portion of the rear axle, arranged to transmit the engine power to the rear driving wheels, and be all conveniently inclosed by a suitable housing.

As pointed out in the decision of the Examiners in Chief, claims 1 to 5, inclusive, read directly upon the disclosure of the Renault patent except for the specific type of speed-reducing gearing employed.

The Whitney patent shows in Fig. 1, the specific type of speed-reducing gearing which applicant uses.

[1] It has been usual to locate the planetary reducing gears near or at the tractor rear-wheel hubs, as shown by Whitney, but the British patent to Renault shows the reducing gears located as applicant locates them, although the particular type of gears is different. However, it is not seen, nor is it pointed out by the applicant, that there would be any difficulty in substituting the Whitney speed-reducing gearing for that shown in Renault; nor can it be held that there would be any invention in conceiving the idea of making such a substitution. It is a mere matter of choice where the gears are located. To the mechanic skilled in this art all those changes are mere workmen's jobs involving merely the usual skill of the calling.

[2] Claims 6 and 7 include the variable-speed transmission gearing and the supporting case inclosing all the gearing. While Renault does not employ a variable-speed transmission gearing, such gearing is old and well known, as appears from the Herman patent. To use such a variable-speed transmission for driving the gear 2 of Renault would not be invention, nor would it be invention to inclose the entire gearing within a casing, since Renault shows all the gearing which he employs inclosed in such a casing.

Claims 17 and 18 are similar to claims 1 to 5, and the same grounds for rejection apply.

The question involved here is analogous to that involved in the case of *Mast, Foos & Company v. Stover Manufacturing Company*, 91 O. G. 1239; 177 U. S. 485, in which, in discussing the Martin patent, which showed an internal-toothed wheel employed in driving windmills, in connection with an external-toothed wheel for converting the revolving motion of the wind-wheel shaft into the perpendicular motion of the pump shaft, the Court said:

... Martin, therefore, discovered no new function; and he created no new situation, except in the limited sense that he first applied an internal gearing to the old Mast-Foos mill, which was practically identical with the Martin patent, except in the use of an internal gearing. He invented no new device; he used it for no new purpose; he applied it to no new machine. All he did was to apply it to a new purpose in a machine where it had not before been used for that purpose. The result may have added to the efficiency and popularity of the earlier device, although to what extent is open to very considerable doubt.

The decision of the Examiners in Chief is affirmed.

EX PARTE HERTNER.

Decided March 27, 1923.

1. PRACTICE IN THE PATENT OFFICE—PROSECUTION OF APPLICATIONS—REJECTION BY EXAMINERS IN CHIEF ON NEW GROUNDS—RULE 139.

Where the Examiners in Chief rejected the claims before them, relying upon the references of record and in addition upon new grounds, and appeal was taken to the Commissioner one year thereafter lacking only six days, a request, filed after appeal to the Commissioner, and more than a year and six months after the decision of the Examiners in Chief, that the case be remanded to the Primary Examiner under rule 139 to consider proposed substitute claims was denied.

2. SAME—SAME—SAME—EFFECT OF FILING APPEAL.

By filing his appeal to the Commissioner after a recommendation or rejection by the Examiners in Chief on new grounds the applicant waives his right to have the case remanded to the Primary Examiner and also waives his right to have the case reconsidered by the Examiners in Chief.

ON REQUEST.

Messrs. Thurston & Kwis and Messrs. Gordon & Stewart for the applicant.

FENNING, Assistant Commissioner:

This case is before me on request of the applicant that it be remanded to the Primary Examiner to consider a proposed amendment consisting of five substitute claims and a request that the hearing now set for March 28 be postponed.

Applicant bases his request for remanding the case to the Primary Examiner upon the provisions

of rule 139 and alleges that the Examiners in Chief in their decision—

rejected the claims before them relying upon the references of record and in addition upon new grounds, to wit: Lincoln, 1,122,287 and "Dynamo Electric Machines, by Wiener, Ed. 1902."

[1] The record shows that the Examiners in Chief rendered a decision August 29, 1921. Appeal to the Commissioner was taken one year thereafter lacking only six days. The present proposed action requesting that the case be remanded is filed almost one year and seven months after the decision of the Examiners in Chief. To set aside the appeal to the Commissioner, which was filed just within the time, would constitute an abandonment of the application, since no other action was taken within the year provided by law for a responsive action.

Furthermore, applicant misinterprets rule 139. It is true that if the Examiners in Chief discover any apparent grounds not involved in the appeal and refuse Letters Patent for that reason such recommendation will stand as a rejection and will reopen the case; but rule 139 further provides that the applicant may waive the right to prosecute before the Primary Examiner and have his case reconsidered by the Examiners in Chief, or—the applicant may also waive reconsideration by the Examiners in Chief and appeal directly to the Commissioner.

[2] It is apparent that by filing his appeal to the Commissioner he waives his right to have the case remanded to the Primary Examiner and also waives his right to have the case reconsidered by the Examiners in Chief.

It is noted that two requests for postponement have been granted, and in view of the fact that this case has been pending for more than six years no sufficient reason appears why this third request for postponement should be granted.

For the reasons above indicated the request that the application be remanded to the Primary Examiner and the request that the hearing be postponed are both denied.

EX PARTE C. S. MARSHALL COMPANY.

Decided April 23, 1924.

TRADE-MARKS—COMBINATION OF NONREGISTRABLE WORDS—NAME OF INDIVIDUAL WITH DESCRIPTIVE WORDS—"MARSHALL, QUALITY MAINTAINED."

Where the predominating word ("Marshall") of a trade-mark is the name of an individual which is not written in such a way as to make the name itself secondary to the rest of the mark, and the descriptive words "Quality Maintained" are written above the first part and below the last part of the name, respectively, *Held* that it is not improper to segregate the parts of the mark and consider them as such and then refuse registration of the combined mark. (*In re Irving Drew Co. distinguished.*)

ON APPEAL.

TRADE-MARK FOR BOOTS AND SHOES, ETC.

Mr. James R. Hodder for the applicant.

FENNING, Assistant Commissioner:

Applicant appeals from the action of the Examiner of Trade-Marks refusing registration as a

trade-mark for shoes of "Marshall," above the first part of which is written "Quality" and below the last part of which is written "Maintained." It is clear from an inspection of the mark that "Marshall" is the predominant feature. It is the name of an individual, and consequently is not entitled to registration, since it is not written in such a characteristic way as to make the name itself secondary to the rest of the mark. *Oliver Works v. Oliver Co.*, 40 App. D. C. 125; 192 O. G. 217; 1913 C. D. 419. "Quality Maintained" is clearly descriptive, or intended to be, of the character, quality, and superiority of applicant's goods.

Applicant alleges that its mark should be allowed in view of the decision April 7, 1924, of the court of appeals in *Irving Drew Co.* 324 O. G. 676, reversing this Office, and allowing registration as a trade-mark for boots, shoes, and slippers of the words "Arch Rest." Applicant quotes from that decision and then says:

Thus in the present application of "Quality Maintained" there is no part of a shoe which can be considered as designated by the term of applicant's trade mark. The words "Quality Maintained" do not, therefore, and cannot be considered as describing the merchandise, i. e., the shoes on which it is used.

This of course is an improper perversion of the court's decision. The court of appeals made no effort to say that only a term which was used to designate a part of a shoe could be refused registration for shoes. The court did say:

The description, the inherent qualities, the characteristics of boots, shoes and slippers is one thing and the effect which the use of the articles may produce on the wearer is another.

Obviously, "Quality Maintained" relates to the characteristics or inherent qualities of applicant's shoes and as such must properly be precluded from registration.

In *in re Meyer Brothers Coffee and Spice Company*, 32 App. D. C. 277; 140 O. G. 756; 1909 C. D. 312, the court of appeals refused registration as a trade-mark for coffee of the words "America's strength," saying:

Neither of the words used in this combination would, standing alone, be registrable as a trade mark for coffee. The word "America" is clearly geographical. The word "Strength," if used as a mark on coffee, would be descriptive of quality and likewise prohibited by section 5 of the Trade Mark Act of 1905. This court has held that a registrable mark cannot be made by combining two non-registrable words. *Kentucky Distilleries & Warehouse Co. v. Old Lexington Club Distilling Co.*, C. D. 1908 417; 135 O. G. 220; 31 App. D. C. 323.

Applicant here urges that it is improper to segregate the parts of its mark and consider them as such and then refuse registration of the combined mark. That, however, is just what the court of appeals did in *Meyer Brothers Coffee and Spice Company*, and it is proper procedure.

The cases of *ex parte Van Horn & Sawtell*, 100 O. G. 1069; 1904 C. D. 87, and *ex parte Sumner Iron Works*, 147 O. G. 237; 1909 C. D. 171, also lead to the conclusion that applicant's mark can not be registered.

The Examiner of Trade-Marks is affirmed.

COLEMAN AND UTNE v. NEHR.

Decided May 11, 1923.

1. INTERFERENCE—REDUCTION TO PRACTICE—SHOP TESTS.

Where the invention in issue was a train-controlled railway signal comprising a pendulum semaphore, and C. and U. made certain shop tests of a full-sized semaphore, but its operation was not controlled by a moving train and it was not exposed to the weather, as it would be in actual use, *Held* that even if the tests were to be regarded as successful they did not amount to a reduction to practice.

2. SAME—SAME—SAME.

The testimony of C. and U. that a device tested in a shop would have operated satisfactorily under actual working conditions was not sufficient where they did not testify as to the facts upon which they based this opinion, although they urge that they are recognized as highly skilled in the art.

(Note.—The application of Coleman and Utne has resulted in Patent No. 1,504,606, April 12, 1924.)

APPEAL from the Examiners in Chief.

CROSSING SIGNAL.

Mr. Albert L. Vencill for Coleman and Utne.

Mr. B. G. Foster for Neahr.

FENNING, Assistant Commissioner:

This is an appeal by Coleman and Utne from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to Neahr.

The invention in issue relates to a motor-operated crossing signal of the wigwag type, the operation of which is controlled by a passing train. The issue is set forth in four counts, of which count 4 is sufficiently illustrative and reads as follows:

4. A crossing signal comprising a pendulum semaphore, a motor, driving connections between said motor and semaphore that cause the positive movement of the latter in both directions by the former on its continuous movement in one direction for effecting the oscillation of said semaphore, a circuit for energizing said motor to effect its continuous movement in one direction, a contact for opening and closing said circuit, and means for continuing the energization of said motor to continue its movement in the same direction after said contact has been opened and until the semaphore reaches a predetermined inclined position.

Neahr relies upon his filing date, November 28, 1916, for conception and reduction to practice.

The lower tribunals have held that Coleman and Utne conceived at least as early as November 10, 1915, but did not reduce to practice until after Neahr's date of filing, and that they were not diligent at the time Neahr entered the field and subsequently thereto. There appears to be no error in the holding of lack of diligence. In fact, the instant appeal is based on the contention that the Examiners in Chief erred in not holding that certain shop tests made by Coleman and Utne in December, 1915, constituted an actual reduction to practice of the invention in issue.

While the fact and date of these tests have been satisfactorily established, there appears to be a difference of opinion as to whether they were considered successful. Coleman testified that "the apparatus worked satisfactorily" and that the demonstrations made with the device—

were largely of a character intended to develop maximum stresses within its various members, not during normal operation alone, but under presupposed abnormal conditions.

He also said:

The mechanism as constructed and tested if protected by proper housing would have served effectively its purpose exposed to weather as on highways. It was full-sized in all respects.

Utne testified that the device operated exactly as intended and was full sized and capable of commercial use, except for the fact that no housing was provided. On the other hand Howard, the chief engineer of The Union Switch and Signal Company, of which company Coleman and Utne were employees at the time of the tests, testified that the magnetic type was eventually adopted—

as there were some difficulties to be overcome with the motor type where a heavy banner is used, in obtaining a uniform load on the motor.

Also Hobson, who was general manager of said company, testified that—

It was found after a number of tests were conducted that the device had a certain defect in that the period of oscillation of the banner or pendulum did not always coincide with the period of the mechanism operated by the motor, owing to variations in voltage of the current actuating the motor. Consequently we returned to the design of the magnetically operated wig-wag, but it is my recollection that we applied for a patent on Mr. Coleman's device in the hope that with minor changes the defect above referred to could be corrected.

While Coleman and Utne are corroborated in their statements that the signal operated satisfactorily by the witness McCarthy, it is regarded that the testimony of Howard and Hobson leaves grave doubts as to the success of the tests.

[1] Even if the tests were to be regarded as successful they did not amount to a reduction to practice. The device tested was not subjected to actual operating conditions. Its operation was not controlled by a moving train, nor was it exposed to the weather, as it would be in actual use. The facts in this respect are similar to those in *Malcolm v. Richards*, 250 O. G. 1000; 47 App. D. C. 582, and *Golski et al. v. Johnson*, 247 O. G. 479; 47 App. D. C. 230. The court held in the former case that the mere sticking of a glare screen on an office window by means of a suction cup was not a reduction to practice where the device was intended to be stuck on the windshield of an automobile in motion. It held in the latter case that the bouncing upon the floor of a wheel having the tire and device attached thereto was not a reduction to practice, as it would not demonstrate that the device would give the desired results when on a wheel supporting a car in motion.

Appellants urge that as they are recognized as highly skilled in the art their testimony that the device tested would have operated satisfactorily under actual working conditions is sufficient. This contention is not believed to be well taken. The court said in *Henderson v. Gilpin*, 187 O. G. 231; 39 App. D. C. 428:

It is not enough, as contended by appellant, that the shop tests indicated that the operation of the device would be successful. To constitute reduction to practice a test must amount to a demonstration in fact, as contradistinguished from one in theory. We fully agree with the Patent Office that there is no justification for placing such a motor-controlling system as is here involved within the class of simple devices that demonstrate their own operativeness, and we find no error in the ruling that these shop tests did not amount to a reduction to practice.

[2] Coleman and Utne have not testified as to the facts upon which they base their opinions that the device would operate properly under the conditions in actual use. In *Gallagher, jr., v. Hien*, 115 O. G. 1330; 1905 C. D. 624; 25 App. D. C. 77, the Court of Appeals of the District of Columbia held that such facts should appear from the record in order to warrant the holding that the inventor and his witnesses were right in their opinions that the results of certain tests were satisfactory. The appellants contend that this doctrine was disapproved by the court in its later decision, *Seeberger v. Russell*, 121 O. G. 2328; 1906 C. D. 612; 26 App. D. C. 344, the court awarding priority to Seeberger after saying of his testimony:

In the testimony of these witnesses above referred to, it is to be noted that they merely state that in their opinion the result of the experiments was satisfactory. No facts, however, appear from the record upon which a conclusion may be reached that these witnesses were justified in their opinions.

This matter quoted is a portion of the Commissioner's decision quoted by the court. A mistake was made in printing this decision. The paragraph following the one in fine type on page 614 C. D. 1906 should also have been in fine type, as it is part of the matter occurring in the Commissioner's decision and quoted by the court. This is the paragraph beginning in line 13, page 347, of 26 App. D. C., and it should have been embraced within the quotation marks. Immediately after the matter quoted from the Commissioner's decision the court said:

We are constrained to disagree with this view of the evidence relating to the reduction to practice, and of the application of the doctrine of *Gallagher v. Hien*.

The court then proceeded to point out that an escalator with an auxiliary landing had been actually constructed and operated to carry people, the witnesses having ridden on it several times. The court found sufficient facts upon which to base its conclusion, and for this reason held the doctrine of *Gallagher v. Hien* did not apply.

The other decisions relied upon by the appellants in their brief are not in point, because the facts were different from those in the instant case. In *Wurts et al. v. Harrington*, 79 O. G. 337; 1897 C. D. 359; 10 App. D. C. 149, tests were made in connection with the working system of electric lighting used in the factory. The manner in which the conditions of actual service were obtained—short-circuiting the wire from the generator, etc.—were testified to, and the tests were considered satisfactory by disinterested parties. In *Horton v. Zimmer*, 137 O. G. 2223; 1908 C. D. 555; 32 App. D. C. 217, the actual device, a full-sized rheostat, was introduced in evidence as Zimmer's "Exhibit C." Several witnesses testified to the successful testing of this device. Moreover, Horton admitted at the hearing before the Examiner of Interferences that the making and testing of this device constituted reduction to practice and the court held Horton bound by this admission. In *Hopkins v. Peters and Dement*, 199 O. G. 1243; 1914

C. D. 116; 41 App. D. C. 302, the actual machine tested was introduced in evidence, and the court did not regard the testimony as conflicting. In the instant case the device tested was not introduced in evidence, it having been destroyed, and the testimony of appellants' witnesses Howard and Hobson indicates they did not consider the tests successful.

For the reasons stated above, it is considered there was no error in holding that Coleman and Utne have not proved actual reduction to practice prior to Neahr's filing date.

The decision of the Examiners in Chief is affirmed.

PERCY V. MARTIN.

Decided September 16, 1924.

1. INTERFERENCE—PUBLIC-USE PROCEEDINGS—MOTION PREMATURE.

Where M. brought a motion to institute public-use proceedings before the preliminary statements were opened, accompanied by affidavits indicating public use more than two years prior to P.'s filing date, *Held* that it was inexpedient to consider the motion at that stage, even though the parties had submitted to each other the files of their applications.

2. SAME—SAME—MOTION DENIED.

Where an interference had been declared and M. brought a motion to institute public-use proceedings, accompanied by affidavits indicating public use more than two years before P.'s filing date, and P.'s preliminary statement alleged conception one day before M.'s filing date, but later than the execution of M.'s oath, *Held* that the interference should proceed and public-use proceedings should not be instituted, even though the activities involved in the motion took place some months prior to M.'s filing date.

3. SAME—SAME—MOTION INDEFINITE.

Where the affidavits accompanying M.'s motion to institute public-use proceedings were not definite beyond a doubt and were all made by those intimately associated with M., and the facts alleged might be substantiated by proof such as to show that the use was secret or experimental, *Held* that doubt in these respects was an additional reason for denying the motion.

4. SAME—SAME—OPTIONAL WITH COMMISSIONER WHICH PROCEEDING TO CONDUCT FIRST.

Where an interference had been declared and the senior party brought a motion to institute public-use proceedings, accompanied by affidavits indicating public use more than two years before the junior party's filing date, *Held* optional with the Commissioner to conduct first whichever proceeding seemed to him most suitable.

ON PETITION.

SAWMILL MACHINERY.

Messrs. Dewey, Strong, Townsend & Loftus and Mr. Geo. C. Shoemaker for Percy.

Mr. John Imirie for Martin.

FENNING, Assistant Commissioner:

Martin has filed a petition for institution of public-use proceedings, accompanied by affidavits purporting to indicate that under his supervision was built and operated an apparatus responding to the counts of the interference at a time more than two years prior to the filing date of Percy. This motion was brought before the preliminary statements of the parties were opened. It appears that

after the interference was declared, but before statements were filed, attorneys for the respective parties submitted to each other the files of their applications. Before this motion was brought, therefore, each party was aware of the details of the application of the other and of his filing date. With this information before him it was possible for Martin to prepare the motion with as much particularity as if after preliminary statements were opened.

[1] I am cited no authority for bringing or considering such a motion after an interference has been declared, but before preliminary statements are opened. It seems obviously inexpedient to consider the motion at this stage of the case, for the reason the junior party in his preliminary statement might fail to overcome the filing date of the senior party, and consequently judgment on the record could be entered against him without taking any testimony.

At the hearing I therefore suggested to the parties that they file preliminary statements. It appeared that Percy had already filed his statement, but it had not been opened, and that Martin had executed his statement, but it was still in the possession of his attorney. Martin's attorney has filed the statement, and the statements of both parties have now been opened, from which it appears that Percy alleges that he conceived the invention, made drawings, and explained it to others on the day before Martin filed his earlier application. Martin resides in California, and his application was executed in California 13 days before it was filed in the Office. Under these circumstances it is clear that even if Percy can substantiate the dates he alleges by proof it will not be necessary for Martin in the interference to do more than prove the execution date of his application. The activities involved in the motion for taking public-use testimony took place some months prior to Martin's filing date, but in view of the date alleged by Percy they become unimportant in the case, and in the interference proceedings Martin's actual operations need not be proven.

[2] Under these circumstances it seems clear that the expedient thing is to allow the interference to proceed rather than institute public-use proceedings. It is always possible that interference proceedings will show that the counts of the interference are anticipated by the prior art, and consequently a patent should be issued to neither party. If the counts are anticipated, it obviously is immaterial whether Martin's device went into public use more than two years prior to Percy's filing date. If the counts are patentable and Martin can anticipate the date alleged by Percy (which is one day prior to Martin's filing date), it is immaterial whether Martin's device went into public use more than two years prior to Percy's filing date.

[3] What I have said is pertinent on the assumption that Martin has in his affidavits actually

shown public use of his device more than two years prior to Percy's filing date. Percy objects to what he alleges are indefinite statements and vaguenesses in the affidavits, and I am far from certain that he is not justified in these objections. The affidavits submitted are all affidavits of those intimately associated with Martin, and the facts of the affidavits might be substantiated by proof such as to show that the use was a secret use or an experimental use rather than public use. Doubt in this respect is an additional reason for denying the motion.

[4] Martin urges that sections 4886 and 4887 of the Revised Statutes in terms prohibit the insurance of a patent for an invention which has been in public use in this country for more than two years prior to the date of filing of an application, and this is so. He further urges that the language of the statute is mandatory, and this is so. He overlooks Revised Statutes 4904, which is likewise mandatory, that interference proceedings should be conducted under the conditions of the present case. Obviously it is optional with the Commissioner to conduct first whichever proceeding seems to him most suitable. In 1891 the case of *Chinnock v. Edison v. Wheeler*, 46 Ms. Dec. 398, considered conditions somewhat similar to the present case. There the Commissioner said:

Now as between Chinnock and Edison it may appear from the whole testimony that Chinnock is the prior inventor. If the present motion were transmitted to the Primary Examiner it might appear from the testimony already taken that Chinnock's application was barred by public use. The interference would then be dissolved as to Chinnock and the field thus left clear for Edison to obtain a patent, although as against Chinnock he might not be upon the whole proofs entitled to an adjudication of priority and not entitled to a patent. It thus becomes necessary to provide for the event of such a contingency happening, and it must be held that the interest of the public will best be conserved by letting the case take its course to final hearing, leaving the question of public use to be disposed of after the issue of priority has been determined.

The conclusion and reason of that case is rational and pertinent to the present case.

The motion for public-use proceedings is denied at this time.

The order of September 10, 1924, setting motion period is vacated, and the Examiner of Interferences will proceed to set a new motion period and new times for taking testimony.

Court of Appeals of the District of Columbia.

IN RE TUFFORD.

No. 1,655. Decided June 2, 1924.

INVENTION—UNPATENTABLE DIFFERENCES.

Where appellant had already patented a rubber heel lift spherically concave and spherically convex on its attaching and tread faces, respectively, with four nail holes, *Held* that the addition of two nail holes and their positioning with reference to the others do not constitute invention.

For Assistant Commissioner's decision see 315 O. G. 611.

Mr. W. T. Estabrook and Mr. F. O. Richey for Tufford.

Mr. T. A. Hostettler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, J.:

Appeal from a decision of the Patent Office refusing 27 claims for a patent on a heel lift.

Appellant patented a rubber heel lift spherically concave and spherically convex on its attaching and its tread faces, respectively. Four holes were provided, through which nails were driven to attach it to the shoe. It was found that the tension of the rubber had a tendency to withdraw the nails. Appellant therefore added two holes and positioned (claim 8) each—

substantially the same distance from the side edges or margins of the heels and with one or more centrally arranged nail receiving openings within the first-named plurality of openings.

The present application was filed to cover this change. The various tribunals of the Patent Office have very carefully considered applicant's contentions and each has found that the addition of these two nail holes, and their positioning with reference to the others, does not constitute invention. With that conclusion we fully agree and, for the reasons stated in detail by the Office, affirm the decision.

Affirmed.

ADJUDICATED PATENTS.

(C. C. A. Oreg.) The Cleveland patent, No. 933,231, for improved "log turner," claim 12 *Held* invalid. *D. J. Murray Mfg. Co. v. Sumner Iron Works*, 300 Fed. Rep. 911.

(D. C. N. Y.) The Luellen patent, No. 1,081,508, for dispensing apparatus for delivering cups, claim 26 *Held* valid and infringed; claim 16 *Held* not infringed; and claims 38, 41, and 48 *Held* invalid. *Individual Drinking Cup Co. v. Errett*, 300 Fed. Rep. 955.

(D. C. N. Y.) The Van Heusen patent, No. 1,309,379, for collar, *Held* not infringed. *Van Heusen Products v. Earl & Wilson*, 300 Fed. Rep. 922.

(D. C. N. Y.) The Klessling patent, No. 1,326,132, for machine for making snap fasteners, *Held* valid and infringed. *Consolidated American Fastener Cos. v. Regal Button Works*, 300 Fed. Rep. 920.

(D. C. N. Y.) The Van Heusen patent, No. 1,352,705, for collar, *Held* not infringed. *Van Heusen Products v. Earl & Wilson*, 300 Fed. Rep. 922.

(D. C. N. Y.) The Van Heusen patent, No. 1,352,706, for collar, *Held* void for anticipation. *Van Heusen Products v. Earl & Wilson*, 300 Fed. Rep. 922.

(D. C. N. Y.) The Bolton patent, No. 1,383,693, for semisoft collar, claim 1 *Held* valid and infringed. *Van Heusen Products v. Earl & Wilson*, 300 Fed. Rep. 922.

(D. C. N. Y.) The Bolton patent, No. 1,383,694, for collar, claim 1 *Held* valid and infringed. *Van Heusen Products v. Earl & Wilson*, 300 Fed. Rep. 922.

(D. C. N. Y.) The Bolton patent, No. 1,383,694, for collar, *Held* infringed. *Van Heusen Products v. Earl & Wilson*, 300 Fed. Rep. 936.

PATENT SUITS.

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922.)

858,846, H. Alexander, House-wiring conduit system, order of dismissal for want of prosecution filed Oct. 8, 1924, D. C., S. D. N. Y., Doc. E 23/208, *H. Alexander v. Hatzel & Buchler, Inc., et al.* Same Doc. E 23/209, *H. Alexander v. J. P. Hall-Smith Co., Inc.*

877,118, R. S. Peirce, Fastening device for masonry; 1,356,401, same, Anchorage device, suit filed Sept. 15, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4263, *R. S. Peirce v. J. W. Iselt*.

886,969, E. H. Gold, Art of heating, appeal filed Oct. 9, 1924, C. C. A. (2d Cir.), Doc. 8500 *Vapor Car Heating Co., Inc., v. Gold Car Heating & Lighting Co.*

958,478, W. E. Davey, Process of reinforcing trees, suit filed Sept. 11, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4261, *The Davey Tree Expert Co. v. S. Larson*. Same, suits filed Oct. 16, 1924, D. C., N. D. N. Y., Doc. 541, *The Davey Tree Expert Co. v. E. D. Worden*. Same, Doc. 542, *The Davey Tree Expert Co. v. J. W. Cheining*.

1,105,974. (See 1,191,306.)

1,157,258, Smith & Rindfleisch, Machine for casting nuts; 1,318,116, O. A. Smith, Multiple-spline lathe, suit filed Sept. 13, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4262, *The National Acme Co. v. The Hill Pump Valve Co.*

1,191,306, T. A. Hoover, Bumper for vehicles, suit filed Sept. 30, 1924, D. C., S. D. Calif. (S. Div.), Doc. I-19-B, *American Chain Co., Inc., v. The Banta Co., Inc., et al.*

1,191,306, T. A. Hoover, Bumper for vehicles; 1,221,800, same, Automobile bumper, suit filed Sept. 30, 1924, D. C., S. D. Calif. (S. Div.), Doc. E I-18-J, *American Chain Co., Inc., v. Burger Chapman & Co. et al.*

1,191,306, 1,105,974, T. A. Hoover, Bumper for vehicles; suit filed Oct. 10, 1924, D. C. Conn., Doc. 1744, *American Chain Co., Inc., v. Bullard Machine Tool Co.*

1,216,140, A. Kurtz, Lining for hats, appeal filed Oct. 6, 1924, C. C. A. (2d Cir.), Doc. 8493, *A. Kurtz et al. v. Independent Hat Lining Co.*

1,221,800. (See 1,191,306.)

1,240,582, C. W. Kirsch, Curtain rod, appeal filed Oct. 6, 1924, C. C. A. (2d Cir.), Doc. 8494, *Kirsch Mfg. Co. v. Gould Mersereau Co.*

1,247,540, 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, suit filed Sept. 19, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4280, *E. C. Guthard et al. v. The Sanitary District of Chicago*.

1,247,542. (See 1,247,540.)

1,256,839, A. O. Soule, Window mounting, suits filed Oct. 7, 1924, D. C., N. D. Calif. (S. Div.), Doc. 17194, *The Simplex Window Co. v. V. Whitney et al.* Same, Doc. E 1349, *The Simplex Window Co. v. F. Hauser et al. (Hauser Window Co.)*.

1,262,860, 1,263,138, S. B. Smith, Incubator, suit filed Mar. 13, 1924, D. C., W. D. Mich. (S. Div.), Doc. 2007, *Buckeye Incubator Co. et al. v. W. R. Brott*. Interlocutory decree awarding injunction and accounting, both patents held valid and infringed (notice dated Oct. 9, 1924). Same, suit filed Sept. 16, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4275, *The Buckeye Incubator Co. et al. v. R. Schaeffer*. Same, final consent decree Apr. 25, 1924; defendants, agents, etc., enjoined from infringing, D. C., N. D. Ohio (E. Div.), Doc. 1048, *The Buckeye Incubator Co. et al. v. C. Mowery*.

1,263,138. (See 1,262,860.)

1,273,022, Ashmore & Morgan, Jr., Process and device for finishing concrete pavements, suit filed Oct. 9, 1924, D. C., S. D. N. Y., Doc. E 30/193, *Macon Concrete Roller Co. v. A. Miele*.

1,282,587. (See 1,247,540.)

1,286,017. (See 1,247,540.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, same, Lubricating system, suit filed Oct. 9, 1924, D. C. Del., Doc. E 554, *The Bossick Mfg. Co. v. Standard Products Mfg. Co. et al.*

1,307,734. (See 1,307,733.)

1,318,116. (See 1,157,258.)

1,341,561, W. Jones, Purification of sewage and other liquids, suit filed Sept. 19, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4280, *E. C. Guthard et al. v. The Sanitary District of Chicago*.

1,356,401. (See 877,118.)

1,367,205, B. Reichard, Hat-creaser-retaining device, suit filed Sept. 19, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4278, *International Hatters Supply Co., Inc., v. H. W. Osborne et al.*

1,378,469, 1,378,685, M. Koppelman, Egg packing; 1,413,047, 1,429,207, Mann & Koppelman, same, stipulation and order discontinuing suit as to defendant E. L. Armingier and discontinuing suit as to Patents 1,378,469 and 1,378,685 as against remaining defendants, filed Oct. 9, 1924, D. C., S. D. N. Y., Doc. E 25/37, *Holed Tite Egg Packing Corp. v. W. H. Mapes Co., E. L. Armingier et al.*

1,378,685. (See 1,378,469.)

1,405,773, Re. 15,502, W. M. Folberth, Windshield cleaner; 1,489,996, Folberth & Folberth, same, suit filed Sept. 4, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4252, *The Folberth Auto Specialty Co. v. Automotive Specialty Co. et al.*

1,408,106, H. McCabe, Flanging machine, decree for plaintiff, injunction granted (notice dated Oct. 13, 1924), D. C., S. D. Ohio (E. Div.), Doc. 310, *H. McCabe v. W. M. Tucker et al.*

1,413,047. (See 1,378,469.)

1,413,467, R. A. Gaertner, Power net roller, suit filed June 5, 1922, D. C., S. D. Calif. (S. Div.), Doc. F 124, *R. A. Gaertner v. P. Dragich*. On Sept. 29, 1924, decree of dismissal entered pursuant to opinion of court filed Sept. 27, 1924.

1,414,321, A. Zwiebelson, Brassière, final consent decree sustaining patent, adjudging infringement,

and granting injunction filed Oct. 7, 1924, D. C., S. D. N. Y., Doc. E 25/90, *A. Zwiebelson (M. Mayers) v. R. Friedner (Wear Well Brassiere Co.)*.

1,429,207. (See 1,378,469.)

1,440,738, N. B. Lundahl, Dashboard-lamp cap, suit filed Sept. 11, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4260, *Rainbo Accessories Co. et al. v. J. Muller et al.*

1,486,326, Faber & Schneider, Radiator, suit filed Sept. 23, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4281, *Faber-Schneider Radiator Co. v. Auto Radiator Mfg. Co.*

1,488,882, W. T. Johnston, Truck, suit filed Sept. 2, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4251, *A. M. Barrett v. The Stuebing Truck Co. et al.*

1,489,996. (See 1,405,773.)

1,501,704, O. H. Clarke, Spot or search light assembly, suit filed Sept. 9, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4259, *Clymer Mfg. Co. v. H. W. Cooper*.

1,503,089. (See Des. 54,059.)

Re. 14,667. (See 1,307,733.)

Re. 15,140. (See 1,147,540.)

Re. 15,502. (See 1,405,773.)

Re. 15,761, J. F. Rose, Automatic bearing adjuster, suit filed Sept. 4, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4253, *Kil-Nock Co. v. Chicago Plating Co. et al.*

Des. 54,059, M. J. Callahan, Radiator; 1,503,089, same, Ventilating unit, suit filed Oct. 14, 1924, D. C., S. D. N. Y., Doc. E 30/199, *M. J. Callahan v. J. J. Nesbitt et al.*

Des. 60,878, Pardee, Dewire & Suporter, Radiator cap, suit filed Sept. 17, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4276, *Miller & Pardee, Inc., v. Superior Specialty Corp. et al.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,410,198, A. O. M. Löfgren, Device for guiding, supporting, and carrying an apparatus for felling of trees, cutting of trunks, and the like, decided October 6, 1924, claim 1.

Pat. 1,417,495, A. Campbell, Car-door-locking mechanism, decided October 8, 1924, claims 1, 2, 6, and 9.

Pat. 1,455,845, N. Lea, Modulated signaling system particularly applicable to wireless signaling, claim 8.

Pat. 1,489,922, J. W. Brundage, Air-bag-buffing machine, decided October 29, 1924, claims 1, 2, 3, 4, and 5.

Changes in Classification.

Order No. 2,885, October 31, 1924, provides:

In class 206, *Special Receptacles and Packages* (Division 40), abolish the following subclass with its definition, the patents formerly contained therein having been transferred for the most part to class 132, Toilet, subclass 79, Toilet kits, and the subclasses indented thereunder:

Receptacles

15.6 Toilet appliances.

In class 132, *Toilet* (Division 35), subclass 79, Toilet kits, add after the word "devices" in the second line of the definition the words *and receptacles therefor*.

In class 206, *Special Receptacles and Packages* (Division 40), add to the class definition the following note:

Note.—Receptacles peculiarly constructed and arranged to receive toilet articles will be found in class 132, Toilet, subclass 70, Toilet kits, and the subclasses indented thereunder.

Changes in Classification.

Order No. 2,886, October 31, 1924, provides:

In class 45, *Furniture* (Division 8), abolish subclass—

Tables
122 Game,

the patents formerly contained in this subclass having been placed for the most part in class 273, Amusement Devices, Games, established in this order.

In class 45, *Furniture* (Division 8), establish subclass—

139 Leveling devices.

the patents contained in this subclass having been taken for the most part from class 46, Games and Toys, subclass 13, Billiard appliances, Table levelers, abolished in this order.

In class 206, *Special Receptacles and Packages* (Division 40), establish the following subclass and definition, the patents contained in this subclass having been taken for the most part from class 46, Games and Toys, subclass 41, Puzzles and magic, abolished in this order:

Receptacles
1.5 With structural locking modification.

1.5. RECEPTACLES, WITH STRUCTURAL LOCKING MODIFICATION. Receptacles in which the structure is modified to effect a locked condition, the unlocking not being effected by conventional means, but generally by a manipulation of the receptacle or a part thereof.

In class 208, *Velocipedes* (Division 40), establish the following subclasses, the patents contained therein having been taken for the most part from class 46, Games and Toys, subclasses 50, Skates; 51, Skates, Roller; 52, Skate wheels; 53, Skaters' appliances; and 67, Snowshoes, abolished in this order:

Skates
166 Convertible runner or roller types,
167 Runner type
168 Attachment of foot piece to shoe
169 Clamp
170 Screw operated,
171 Lever operated,
172 Runners,
173 Roller type
174 Mechanically-operated wheel propellers,
175 Special wheel bases
176 One wheel,
177 Two wheel
178 Tandem arrangement,
179 Attachment of wheel trucks to foot pieces,
180 Attachment of foot piece to shoe,
181 Wheels
182 Scooter,
183 Skaters' appliances,
184 Snowshoes.

In class 46, *Games and Toys* (Division 7), abolish the following subclasses, the patents contained therein heretofore having been placed for the most part in class 208, Velocipedes, subclasses 166 to 184, inclusive, established in this order:

53 Skaters' appliances.
50 Skates
51 Roller.
52 Skate wheels.
67 Snowshoes.

In class 46, *Games and Toys* (Division 7), abolish the following subclasses, the patents formerly contained therein having been placed for the most part in class 272, Amusement and Exercising Devices, established in this order:

72 Amusement elevators.
71 Amusement houses.
73 Arenas.

68 Dumb-bells and clubs.
69 Exercising machines.
22 Hobby horses.
27 Roundabouts.
30 Skipping ropes.
70 Theater appliances.
38 Trundles and hoops.

In class 46, *Games and Toys* (Division 22), abolish all the subclasses now assigned to that division, as follows, the patents formerly contained in these subclasses having been placed for the most part in class 273, Amusement Devices, Games, established in this order, except those in subclass 13, Billiard appliances, Table levelers, which have been placed in class 45, Furniture, subclass 139, Leveling devices, established in this order, and some of those in subclass 41, Puzzles and magic, which have been placed in class 206, Special Receptacles and Packages, subclass 1.5, Receptacles, With structural locking modification, established in this order, and in class 272, Amusement and Exercising Devices, established in this order:

4 Balls and bats.
43 Baseball.
6 Billiard appliances.
7 Balls.
8 Chalk cups,
9 Cues,
10 Cue-tip fasteners,
11 Cushions,
12 Tables,
13 Table levelers.
66 Bowling alleys
64 Pin-setting apparatus.
55 Card-game accessories.
56 Chance devices.
57 Ball.
15 Croquet.
58 Duplicate-whist apparatus.
Game apparatus
59 Aerial projectiles
60 Peg and pocket,
61 Surface projectiles
62 Longitudinal.
21 Game boards
63 Chance controlled,
64 Checkered surfaces.
65 Game pieces.
24 Lawn tennis.
25 Playing cards.
41 Puzzles and magic.

In class 46, *Games and Toys* (Division 7), change the title of the class to read class 46, Toys. This class now contains only the following subclasses:

14 Buzzes and whirligigs.
31 Soap-bubble pipes.
32 Spinning tops.
35 Toy building blocks.
36 Toy money boxes.
37 Toys
49 Electric,
40 Figure
45 Wheeled,
46 Sounding
47 Wheeled,
48 Wheeled.

Class 272, *Amusement and Exercising Devices*, has been established in Division 7, with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification, the patents contained in this class having been taken for the most part from class 46, Games and Toys, subclasses 22, 27, 30, 38, 68, 69, 70, 71, 72, and 73, with a few from subclass 41, all abolished in this order.

Class 273, *Amusement Devices, Games*, has been established in Division 22 with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification, the patents contained in this class having been taken for the most part from class 46, Games and Toys, subclasses 4-12, 15, 21, 24, 25, 41, 43, and 54-66, abolished in this order, and class 45, Furniture, subclass 122, Tables, Game, abolished in this order.

Lists of subclasses in these classes, with definitions, may be seen in the Classification Division, room 105.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 18, 1924.

[Vol. 328. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 152,607. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DEWTON GRASS RUG COMPANY, Oshkosh, Wis. Filed Sept. 6, 1921.

WOOLCRAFT

Particular description of goods.—Woven Wool Rugs.
Claims use since June 28, 1921.

Ser. No. 107,511. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE B. G. CORPORATION, New York, N. Y. Filed July 28, 1922.



The right to registration of the representation of a spark plug, the words "The Plug That Cleans Itself," and the words "Self Cleaning" are disclaimed apart from the mark as shown. The words "Pat. March 14, 1911" and "Trade-Mark Reg." are disclaimed apart from the mark as shown.

Particular description of goods.—Spark Plugs.
Claims use since June 1, 1922.

Ser. No. 168,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEW ZEALAND CO-OPERATIVE DAIRY COMPANY LIMITED, Hamilton, New Zealand. Filed Aug. 16, 1922.



Particular description of goods.—Butter and Cheese.
Claims use since 1911.

Ser. No. 170,253. (CLASS 39. CLOTHING.) LOUIS MOYSHIN, Newark, N. J. Filed Oct. 3, 1922.



Particular description of goods.—Shoes of Leather, Fabric, and Combination of Such Materials.
Claims use since Aug. 1, 1921.

Ser. No. 170,965. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ABSOLUTE CON-TAC-TOR CORPORATION, Beloit, Wis. Filed Oct. 20, 1922.



Without waiving any common-law rights or rights under the Trade-Mark Act of Mar. 19, 1920, and for the purposes of registration only the word "Contactor" is hereby disclaimed apart from the trade-mark shown.

Particular description of goods.—Mercury Switches, Parts Thereof, and Operating Mechanism Therefor. Claims use since Mar. 15, 1921.

Ser. No. 174,904. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) D. H. McCORKLE MFG. CO., Oakland, Calif. Filed Jan. 22, 1923.

FIRELIGHT

Particular description of goods.—Gas-Burning Radiant Heaters. Claims use since Aug. 26, 1922.

Ser. No. 177,843. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GLASOID COMPANY, Cincinnati, Ohio. Filed Mar. 22, 1923.

Glasoid

Particular description of goods.—Flexible Transparent Material. Claims use since on or about Mar. 7, 1923.

Ser. No. 182,800. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) S. E. GUINN MFG. CO., Cincinnati, Ohio. Filed July 5, 1923.

Guinco

Particular description of goods.—Pyrophoric Lighters, Gas Lighters, Combined Inkstand and Desk Lighters, Water-Heater Lighters, and Gas-Range Lighters. Claims use since April, 1922.

Ser. No. 182,840. (CLASS 12. CONSTRUCTION MATERIALS.) J. S. SCHIRM COMMERCIAL COMPANY, San Diego, Calif. Filed July 5, 1923.



Mission Stucco

No claim is made to the word "Stucco" apart from the mark shown in the drawing.

Particular description of goods.—Exterior Plaster Stucco for Buildings or Other Structures. Claims use since May, 1922.

Ser. No. 183,465. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHAMELEON COMPANY, INC., New York, N. Y. Filed July 20, 1923.



Particular description of goods.—Large Nonelectrical Signs and Stage Scenery. Claims use since July 10, 1923.

Ser. No. 183,759. (CLASS 12. CONSTRUCTION MATERIALS.) THE RICHARDSON COMPANY, Lockland, Ohio. Filed July 27, 1923.

SUPER GIANT

Particular description of goods.—Composition Roofing Products—Namely, Shingles. Claims use since July 20, 1922.

Ser. No. 183,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO., INC., New York, N. Y. Filed July 28, 1923.

Lionette

Particular description of goods.—Perfumes. Claims use since about May 1, 1923.

Ser. No. 183,931. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed Aug. 1, 1923.

TRUE Confidences

Particular description of goods.—Monthly Magazine. Claims use since July 23, 1923.

Ser. No. 183,987. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) OSLAND, INC., New York, N. Y. Filed Aug. 2, 1923.

ALPHA

Particular description of goods.—Phonographs. Claims use since Jan. 10, 1921.

Ser. No. 184,344. (CLASS 38. PRINTS AND PUBLICATIONS.) MIDNIGHT PUBLISHING CORPORATION, New York, N. Y. Filed Aug. 11, 1923.

TRUE Romances

Particular description of goods.—Monthly Magazine. Claims use since Aug. 2, 1923.

Ser. No. 184,374. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORRIS ADLER, New York, N. Y. Filed Aug. 13, 1923.

Hercules



No claim is made to the word "Trade-Mark" apart from the mark shown by the drawing.

Particular description of goods.—Shoe Laces. Claims use since July, 1921.

Ser. No. 184,490. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONDED PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 15, 1923.

BONDED

Particular description of goods.—Soap and Soap Products. Claims use since Nov. 27, 1922.

Ser. No. 185,045. (CLASS 39. CLOTHING.) SCHWABROS. & Co., Inc., New Orleans, La. Filed Aug. 1923.

RIGHT BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Hosiery, Men's Underwear of Knitted and Textile Fabrics; Dress, Negligee, and Work Shirts; Sweaters, Knit Shawls, Knit Scarfs, Knit Caps, Infants' Knit Goods, Wrappers, Underwear, Caps, Scarfs, Bloomers, and Sweaters; Ladies' Waists; Ladies', Misses', and Children's Dresses; Ladies' Underwear of Knitted and Textile Fabrics; Overalls, Pants, Suspenders, and Neckwear Consisting of Neckties, Scarfs, and Cravats, Leather Gloves for Men, Women, and Children, and Belts for Personal Wear for Men, Women, and Children.

Claims use since Jan. 1, 1910.

Ser. No. 185,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARLOS F. WHEATON, Minneapolis, Minn. Filed Aug. 31, 1923.

Hava-Nut

No claim is made to the exclusive right to use the word "Nut" apart from the mark shown in the drawing.

Particular description of goods.—Shelled, Candied, and Salted Nuts and Nut Buds.

Claims use since July 19, 1923.

Ser. No. 185,238. (CLASS 11. INKS AND INKING MATERIALS.) AMERICAN PRINTING INK COMPANY, Chicago, Ill. Filed Sept. 1, 1923.

AMPRINKO

Particular description of goods.—Printing and Lithographic Inks and Ingredients Thereof—Namely, Varnishes, Liquid Reducer, Japan Drier, Strong Liquid Drier, Reducing Compound, Paste Drier, and Concentrated Drier.

Claims use since July 17, 1923.

Ser. No. 185,831. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) METROPOLITAN ART GLASS CO., INC., New York, N. Y. Filed Sept. 15, 1923.

FLORALAMP

Particular description of goods.—Combination Electric Table Lamp and Decorative Centerpiece and Also a Combination Electric Floor Lamp, Said Lamps Containing Fruit, Flowers, and the Like.

Claims use since July 31, 1923.

Ser. No. 185,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK BROS. INC., Portland, Oreg. Filed Sept. 18, 1923.



No claim is made for the words "Stands for a Square Deal" apart from the mark as shown in the drawing.

Particular description of goods.—Graham Cracker, Salted Oyster Cracker, Sweet Cracker, Soda Cracker, Assorted Lunch Cookies, Salted Soda Cracker, Ginger Snaps, Rolled Oats, Ground Chocolate, Baking Chocolate, Sweet Chocolate, Cocoa, Coffee, Tea, Coconut, Peanut Butter, Table Syrup, Allspice, Cinnamon, Cloves, Ginger, Tomato Catchup, Mustard, Prepared Mustard, Horse-Radish and Mustard, Nutmegs, Pepper, Sage; Flavoring Extracts for Foods—Namely, Almond, Anise, Celery, Cinnamon, Cloves, Lemon, Onion, Orange, Peppermint, Rose, Vanilla, Wintergreen; Imitation Flavoring Extracts for Foods—Namely, Apricot, Banana, Cherry, Maple, Peach, Pineapple, Pistachio, Raspberry, and Strawberry.

Claims use since Mar. 15, 1920.

Ser. No. 186,247. (CLASS 12. CONSTRUCTION MATERIALS.) PECORA PAINT CO., Philadelphia, Pa. Filed Sept. 26, 1923.

ACITITE

Trade-mark consists of the word "Acitite."

Particular description of goods.—Acid-Proof and Fire-proof Cement or Lute for Protecting Joints and Locations Exposed to Acids or Acid Fumes Under Hot or Cold Conditions or Intense Heat, and for Use as a Mortar for Brick or Other Work Subject to Contact with Acids or Acid Fumes Under Hot or Cold Conditions.

Claims use since about Mar. 15, 1919.

Ser. No. 186,538. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BARNSEN & CO., INC., New York, N. Y. Filed Oct. 4, 1923.

Lackercloth

Particular description of goods.—Wool-Velour Coating Piece Goods.

Claims use since July 1, 1923.

Ser. No. 187,082. (CLASS 32. FURNITURE AND UPHOLSTERY.) JAMES BELLOW, San Francisco, Calif. Filed Oct. 17, 1923.



No claim is made to the representation of a mattress apart from the mark shown in the drawing.
Particular description of goods.—Mattresses.
Claims use since June 1, 1923.

Ser. No. 187,739. (CLASS 39. CLOTHING.) L. GREIF & BRO. INCORPORATED, Baltimore, Md. Filed Oct. 31, 1923.

KNITWEVE

Particular description of goods.—Outer Clothing Embracing Suits, Overcoats, Coats, Vests, Trousers, Knickerbockers, and Pants.

Claims use since July 31, 1923.

Ser. No. 187,760. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE NEW ENGLAND MILLS COMPANY, Chicago, Ill. Filed Oct. 31, 1923.

Fidelity

Particular description of goods.—Auto Lamps, Horn Buttons, Timers, Timer Brushes, Ignition and Starting Batteries, Spark Plugs, Radiobatteries, Radio Receiving Sets, and Battery Boxes.

Claims use since January, 1918.

Ser. No. 189,260. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MINIATURE INCANDESCENT LAMP CORPORATION, Newark, N. J. Filed Dec. 5, 1923.

Fixed Focus

Trade-mark "Fixed Focus."

Particular description of goods.—Electrical Incandescent Lamps.

Claims use since Nov. 8, 1923.

Ser. No. 190,281. (CLASS 39. CLOTHING.) THE BARTON HAT COMPANY, Kansas City, Mo. Filed Dec. 31, 1923.



Particular description of goods.—Hats, Caps, Leather and Fabric Gloves for Men, Women, and Children.
Claims use since Feb. 1, 1923.

Ser. No. 190,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMILING CHARLIE, INC., New York, N. Y. Filed Jan. 5, 1924.

SMILING CHARLIE

No claim is made to the exclusive use of the pictorial representation of the goods except in association with the mark as shown, without, however, waiving any common-law rights thereto.

Particular description of goods.—Chocolate Ice-Cream Confection.

Claims use since Jan. 3, 1924.

Ser. No. 190,533. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed Jan. 8, 1924.

TWI-TONE

Particular description of goods.—Window Shades.
Claims use since Nov. 26, 1923.

Ser. No. 190,876. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HERRMANN EISNER, Berlin, Germany. Filed Jan. 10, 1924.

RENSIE RECORD

Trade-mark consists of the words "Rensie Record." No claim is made to the exclusive use of the word "Record" apart from the mark as shown in the drawing, without, however, waiving the common-law right to use the complete mark.

Particular description of goods.—Master Record Plates for Phonograph and Graphophone Records.

Claims use since Jan. 11, 1924.

328 O. G.—36

Ser. No. 191,504. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HUGH PATRICK O'REILLY, Washington, D. C. Filed Jan. 30, 1924.

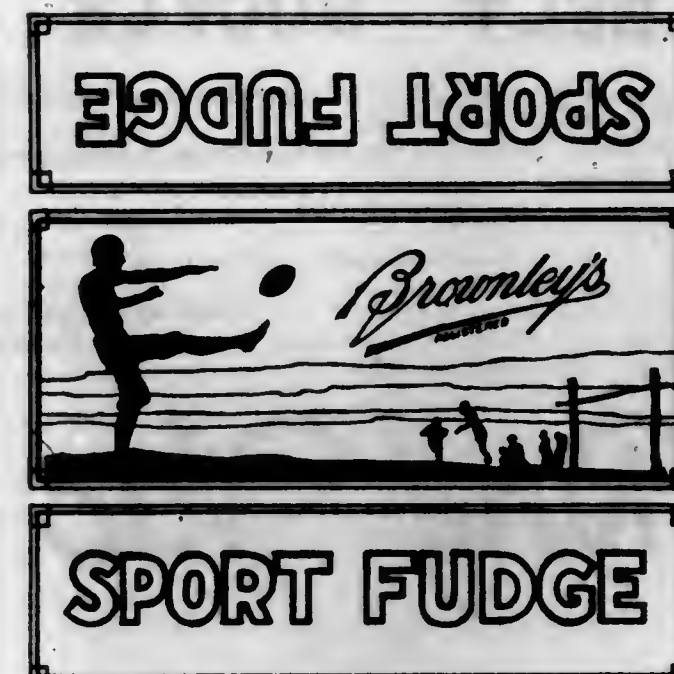


The words "Magnetic Sound Recorder" are disclaimed apart from their use in the mark.

Particular description of goods.—Machines to Record Sound Magnetically.

Claims use since Jan. 1, 1924.

Ser. No. 191,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY INC., Washington, D. C. Filed Jan. 31, 1924.



No claim is made to the words "Fudge" and "Registered" apart from the mark shown in the accompanying drawing.

Particular description of goods.—Fudge.

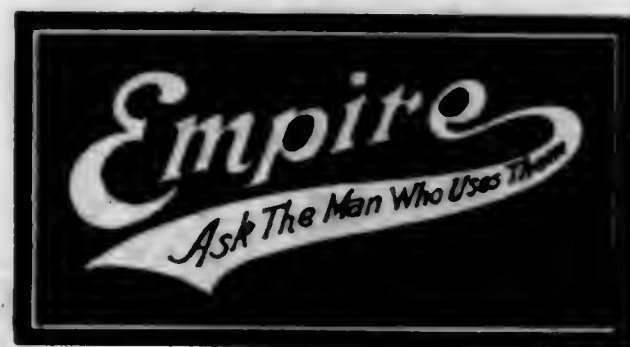
Claims use since Jan. 30, 1924.

Ser. No. 191,887. (CLASS 38. PRINTS AND PUBLICATIONS.) KUHLE & BENT COMPANY, Chicago, Ill. Filed Feb. 6, 1924.

LETTERS

Particular description of goods.—Monthly Magazines.
Claims use since Jan. 5, 1924.

Ser. No. 193,981. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN INTERNATIONAL TRADING CO., New York, N. Y. Filed Mar. 18, 1924.



No claim is made to the exclusive use of the expression "Ask the Man Who Uses Them" except in association with the other features of the mark.

Particular description of goods.—Electric Lamps, Bulbs, or Miniature Lamps.

Claims use since Nov. 15, 1923.

Ser. No. 194,964. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DORSEY M. WIRTH, Bucyrus, Ohio. Filed Apr. 3, 1924.

**E. Z.
BELT BUCKLE**

The words "Belt Buckle" appearing are disclaimed apart from the mark shown.

Particular description of goods.—Garment-Supporting-Belt Buckles.

Claims use since Jan. 15, 1924.

Ser. No. 195,011. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) LINCOLN SALES CO., Detroit, Mich. Filed Apr. 4, 1924.



Particular description of goods.—Washing Machines and Wringers.

Claims use since Dec. 27, 1923.

Ser. No. 195,127. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SABIN ELECTRICAL PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 7, 1924.

THERMOFORMER

Particular description of goods.—Devices for Transforming Electric Power from Lighting and Power Current Sources Into Current Suitable for Operating Electron Tubes in Place of Batteries.

Claims use since Mar. 19, 1924.

Ser. No. 195,278. (CLASS 39. CLOTHING.) GENERAL IMPORT & EXPORT TRADING CO. INC., New York, N. Y. Filed Apr. 10, 1924.



**ROMNEY
FROCKS**

Applicant disclaims any claim or right to the word "Frocks" apart from the mark shown on the drawing.

Particular description of goods.—Women's Girls' and Misses' Furnishings, Undergarments, and Clothing—Namely, Dresses, Coats, Suits, Skirts, Trimmed and Untrimmed Hats, Vestees, Gulpes, Neckties, Scarfs, Boas, Collars, Cuffs, Hosiery, Corsets, Brassières, Gloves, Negligees, Blouses, Underwear, Sweaters, Bathing Suits, and Knickers and Riding Habits Made of Textile Material; and Dresses, Suits, Coats, Skirts, Trimmed and Untrimmed Hats, Vestees, Gulpes, Neckties, Scarfs, Boas, Collars, Cuffs, Hosiery, Corsets, Brassières, Gloves, Negligees, Underwear, Blouses, Sweaters, Bathing Suits, Knickers, and Riding Habits Made Out of Knitted Material.

Claims use since Mar. 1, 1924.

Ser. No. 195,934. (CLASS 37. PAPER AND STATIONERY.) HENRY G. WRIGHT, Chicago, Ill. Filed Apr. 21, 1924.



No separate claim is made to the words "Radio Log" apart from the mark shown on the drawing.

Particular description of goods.—Radio Log Books or Records.

Claims use since Mar. 27, 1924.

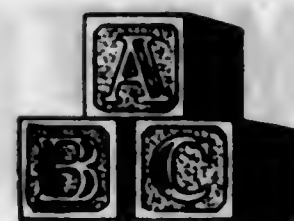
Ser. No. 196,248. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KIMLEY ELECTRIC COMPANY, INC., Buffalo, N. Y. Filed Apr. 28, 1924.

KIC-O

Particular description of goods.—A and B Batteries, Battery-Charging-Current Rectifiers, and Complete Radio Receiving Outfits.

Claims use since May 1, 1922.

Ser. No. 196,282. (CLASS 37. PAPER AND STATIONERY.) THE A. B. C. STORES, INCORPORATED, Houston, Galveston, and Beaumont, Tex. Filed Apr. 29, 1924.



Particular description of goods.—Paper Bags, Paper Napkins, and Toilet Paper.

Claims use since July, 1919.

Ser. No. 196,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. JNO. D. WHITE, Burkburnett, Tex. Filed May 2, 1924.



Particular description of goods.—Salad Dressing.

Claims use since Mar. 22, 1924.

Ser. No. 196,634. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed May 6, 1924.



No claim is made herein to the registration of the words "From Mine to Consumer" apart from the mark shown in the drawing.

Particular description of goods.—Rivets, Screws, Nails, Bolts, Burrs, and Pressed-Metal Parts.

Claims use since Jan. 11, 1924.

Ser. No. 196,757. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed May 8, 1924.

UV-199

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Jan. 30, 1923.

Ser. No. 196,758. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed May 8, 1924.

UV-201-A

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Jan. 5, 1923.

Ser. No. 196,915. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LLOYD C. GREENE, Winthrop, Mass. Filed May 12, 1924.

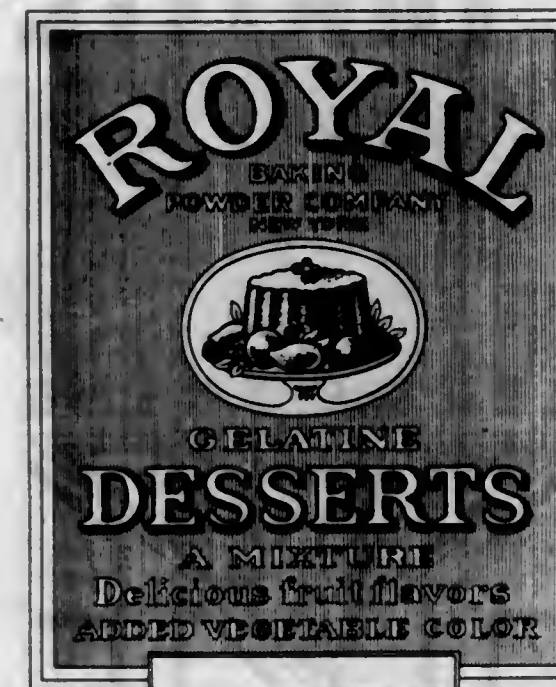
Lloyd C. Greene

Trade-mark consists of a facsimile signature of the applicant.

Particular description of goods.—Complete Wireless Receiving Sets.

Claims use since Mar. 1, 1924.

Ser. No. 197,115. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL BAKING POWDER COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 15, 1924.



No claim is made to the exclusive right to use the words "New York," "Gelatine," "Desserts," "A Mixture, Delicious," "Fruit Flavors," or "Added Vegetable Color" apart from the mark shown in the drawing. The lining of the drawing indicates the red background commonly used in displaying the mark.

Particular description of goods.—Gelatine Desserts.

Claims use since May 1, 1924.

Ser. No. 197,140. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed May 16, 1924.

FLEXALL

Particular description of goods.—Leather Shoes.
Claims use since about Mar. 1, 1924.

Ser. No. 197,349. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AKTIEBOLAGET LIDKÖPINGS VIKINGSÅGAR, Lidköping, Sweden. Filed May 21, 1924.



The word "Lidköpings" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Spark Plugs.
Claims use since Nov. 1, 1923.

Ser. No. 197,466. (CLASS 12. CONSTRUCTION MATERIALS.) ADAMS & KELLY CO., Omaha, Nebr. Filed May 23, 1924.

PYRATITE

Particular description of goods.—Prepared Roofing Made of Felt Saturated and Coated with Asphalt with Either Smooth or Slate Surface.
Claims use since Mar. 3, 1924.

Ser. No. 197,596. (CLASS 39. CLOTHING.) GEORGE S. GUMAER, Coronado, Calif. Filed May 26, 1924.

The
REFRESHING
VENTILATING
SHOE
IT BREATHES

No claim is made to the word "Shoe" apart from the mark shown in the drawing.

Particular description of goods.—Shoes Made of Leather and Leather and Fabric Combinations.
Claims use since Apr. 1, 1923.

Ser. No. 197,608. (CLASS 32. FURNITURE AND UP-HOLSTERY.) LYON METALLIC MANUFACTURING COMPANY, Aurora, Ill. Filed May 26, 1924.

LYMETCO

Particular description of goods.—Lockers, Desks, Tables, and Storage Cabinets.
Claims use since May 12, 1924.

Ser. No. 197,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH B. TROB, doing business as Vinto Products Co., Inc., St. Paul, Minn. Filed May 31, 1924.

SCHMIDTS

MALT SYRUP

The words "Schmidts Malt Syrup" arranged respectively above and below the mark are disclaimed apart from the other features of the mark. The drawing is lined for red.

Particular description of goods.—Malt Syrup for Food Purposes.
Claims use since May 1, 1924.

Ser. No. 198,055. (CLASS 39. CLOTHING.) COPELAND & RYDER COMPANY, Jefferson, Wis. Filed June 4, 1924.

COPELAND-ARCH

Particular description of goods.—Leather Shoes.
Claims use since Jan. 18, 1924.

Ser. No. 198,122. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924.

SUPREME

Particular description of goods.—Detachable Wagon Covers.
Claims use since Feb. 15, 1923.

Ser. No. 198,469. (CLASS 12. CONSTRUCTION MATERIALS.) OCEAN LUMBER CO., San Francisco, Calif. Filed June 12, 1924.

OCEAN

Particular description of goods.—Lumber.
Claims use since September, 1912.

Ser. No. 198,581. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NATIONAL RENOVATING & SUPPLY CO., Kansas City, Mo. Filed June 14, 1924.



Particular description of goods.—Liquid Soap.
Claims use since May 2, 1919.

Ser. No. 198,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYMAN HUEBSCHMAN, doing business as Ritz Perfume Co., Brooklyn, N. Y. Filed June 14, 1924.



Particular description of goods.—Hair Tonics, Bay Rum, Toilet Water, Perfumes, Facial Creams, Facial Powders, Depilatories, Skin Lotions, Frost Lotions, Lip Stick, Eyebrow Pencils, Rouge, Hairdressing, Nail Polish, Liquid Nail-Polish Remover, Brilliantine, Tooth Pastes, Liquid Cuticle Remover, Smelling Salts, Hydrogen of Peroxide, Mineral Oils for Medicinal Purposes, Petroleum Jelly, Camphor Ice, Alcohol Rubbing Massage, Chloroform Liniments, Soap Liniments, Tincture of Iodine, Witch-Hazel, Corn Cure.
Claims use since May 15, 1923.

Ser. No. 198,851. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed June 20, 1924.

MICRODIAL

Trade-mark "Microdial."

Particular description of goods.—Electrical Apparatus—Namely, for the Dial and Knobs of the Rotating Elements Employed in Radio Receiving Sets, and More Particularly for the Dials and Knobs of Condensers, Rheostats, Potentiometers, Variometers, and Variocouplers.

Claims use since Apr. 30, 1924.

Ser. No. 198,948. (CLASS 27. HOROLOGICAL INSTRUMENTS.) M. J. LAMPERT & SONS, INC., New York, N. Y. Filed June 21, 1924.

FITRITE

Particular description of goods.—Watch Mainsprings, Stems, Balance Staffs, Setting Levers, Screws, Wheels, Winding and Clutch Pinions, Jewels, Hairsprings, Clicks, and Click Springs.

Claims use since about May 1, 1923.

Ser. No. 198,982. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BURTON, PRICE & COMPANY, INC., New York, N. Y. Filed June 23, 1924.



Particular description of goods.—Silk Piece Goods, Silk Ribbons, Velvet Piece Goods, and Plain and Fancy Handkerchiefs.

Claims use since 1875.

Ser. No. 199,353. (CLASS 38. PRINTS AND PUBLICATIONS.) GREAT OUTDOORS ASSOCIATION, INC., Boston, Mass. Filed June 30, 1924.

GREAT OUTDOORS

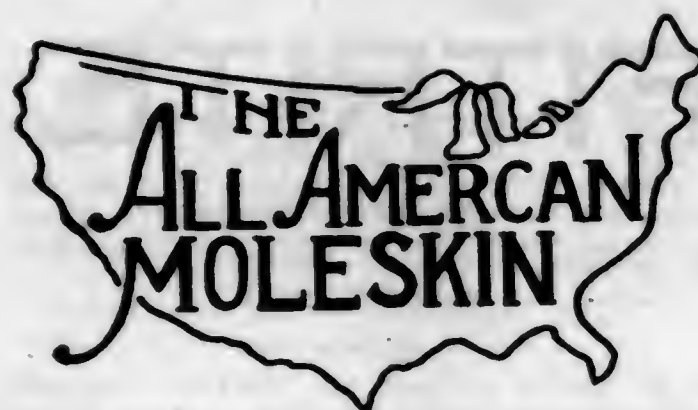
Particular description of goods.—Magazines Published Quarterly.
Claims use since September, 1923.

Ser. No. 199,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIUS DE BRUYN, doing business as M. De Bruyn Importing Co., New York, N. Y. Filed July 3, 1924.

JUANITA

Particular description of goods.—Prepared Foods—Namely, Canned Peppers.
Claims use since December, 1922.

Ser. No. 199,616. (CLASS 39. CLOTHING.) JACOB GERHARDT & SONS, New York, N. Y. Filed July 5, 1924.



No claim is made to the word "Moleskin" apart from the mark shown on the drawing.

Particular description of goods.—Work, Dress, and Negligee Shirts.

Claims use since May 1, 1924.

Ser. No. 199,653. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SPARTAN ELECTRIC CORPORATION, New York, N. Y. Filed July 5, 1924.

SPARTAN

Particular description of goods.—Loud Speakers for Radio Sets and Radio Receiving Sets and Parts Thereof.
Claims use since June 7, 1922.

Ser. No. 199,731. (CLASS 39. CLOTHING.) WELLWORTH MILLS COMPANY, Pierre, S. Dak., and Minneapolis, Minn. Filed July 7, 1924.

Wellworth

Particular description of goods.—Men's, Women's, and Children's Woolen Underwear, Hosiery, and Sweaters.
Claims use since Nov. 13, 1913.

Ser. No. 199,773. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed July 9, 1924.

MAGIC WONDER

Particular description of goods.—Banjos and Music Stands.

Claims use since June 24, 1924.

Ser. No. 199,774. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CALIFORNIA PAINTED FABRIC CO., Los Angeles, Calif. Filed July 9, 1924.

HOLLYWOOD BRAND

No claim is made to the word "Brand" apart from the mark, as shown.

Particular description of goods.—Awning Stripes Painted and Woven.

Claims use since June 9, 1924.

Ser. No. 199,793. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT EDWARD LATTA, doing business as Ges Tans Co., Atlanta, Ga. Filed July 9, 1924.

GES-TANS

Particular description of goods.—Medicine for the Relief of Indigestion.

Claims use since June 15, 1924.

Ser. No. 199,852. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTEIN-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Vanguard

Particular description of goods.—Writing, Drawing, Palting, Billiard, and Marking Chalk, Lead-Pencil Pointers, Rubber Bands (Not Woven), Fountain-Pen Holders, Gold Pens, and Stylographic Pens.

Claims use since 1910.

Ser. No. 200,094. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed July 16, 1924.



Applicant disclaims the words "In Style," "Woolens," and "Tailoring," also the words "New York."

Particular description of goods.—Men's Suits, Vests, Coats, Trousers, Dress Suits, Overcoats, Raincoats, Sweaters, and Jackets.

Claims use since June 1, 1924.

Ser. No. 200,145. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EMIL GISIGER, doing business as Times Watch Co., New York, N. Y. Filed July 17, 1924.

Flambeau

Particular description of goods.—Watches, Watch Dials, and Watchworks.

Claims use since Jan. 15, 1920.

Ser. No. 200,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOLASSES FEEDS COMPANY, St. Paul, Minn. Filed July 18, 1924.

Du-Mor

Particular description of goods.—Stock Food.
Claims use since on or about Mar. 15, 1924.

Ser. No. 200,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOPTOGLOU BROS. OF N. Y., New York, N. Y. Filed July 19, 1924.

NESTOR

The mark consists of the word "Nestor."

Particular description of goods.—Wheat Flour.
Claims use since Dec. 23, 1923.

Ser. No. 200,355. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALBERT BANCROFT FISHWICK, doing business as Fishwick Radio Company, Cincinnati, Ohio. Filed July 22, 1924.

EFFARSEE

Particular description of goods.—Radio Antennae.
Claims use since Apr. 1, 1924.

Ser. No. 200,372. (CLASS 39. CLOTHING.) ROSE OVERALL & SHIRT COMPANY, Baltimore, Md. Filed July 22, 1924.

THE ROSE WORKSHIRT

No claim is made to the word "Work-Shirt" except in the particular association shown in the drawing.

Particular description of goods.—Work Shirts.
Claims use since Jan. 1, 1918.

Ser. No. 200,373. (CLASS 39. CLOTHING.) ROSE OVERALL & SHIRT COMPANY, Baltimore, Md. Filed July 22, 1924.

THE ROSE

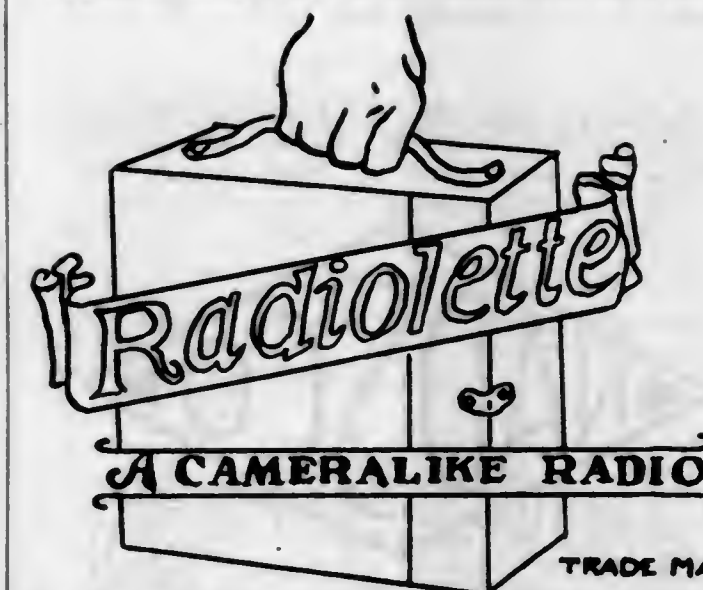
OVERALL

No claim is made to the word "Overall" except in the particular association shown in the drawing.

Particular description of goods.—Overalls.

Claims use since Jan. 1, 1918.

Ser. No. 200,377. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AEOLUS CORPORATION, New York, N. Y. Filed July 23, 1924.



No claim is made to the representation of the goods nor to the words "A Cameralike Radio" and "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Portable Radio Receiving Sets.

Claims use since June 2, 1924.

Ser. No. 200,378. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AEOLUS CORPORATION, New York, N. Y. Filed July 23, 1924.

HYFLEX RADIO

No claim is made for the word "Radio" apart from the mark.

Particular description of goods.—Portable and Stationary Radio Receiving Sets.

Claims use since Apr. 7, 1924.

Ser. No. 200,470. (CLASS 5. ADHESIVES.) ANDERSON BROTHERS CO., INC., New York, N. Y. Filed July 25, 1924.



Applicant makes no claim to the use of the words "Flexible Glue" and "Superfine" apart from the mark as shown and disclaims the exclusive use of the words "Trade-Mark" which appear on the drawing.

Particular description of goods.—Glue.
Claims use since Apr. 1, 1924.

Ser. No. 200,512. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.



Particular description of goods.—Trunks.
Claims use since Apr. 10, 1924.

Ser. No. 200,516. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.



Particular description of goods.—Jewelry for Personal Wear, Not Including Watches.
Claims use since Apr. 10, 1924.

Ser. No. 200,567. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y. Filed July 26, 1924.

UNIVERSAL

Particular description of goods.—Linen Thread.
Claims use since June 10, 1896.

Ser. No. 200,598. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AGA AUTO LAMP COMPANY, INC., Amesbury, Mass. Filed July 28, 1924.

AGA

Particular description of goods.—Electrical Tail Lamps, Electrical Head Lamps, Electrical Spotlights, Electrical Searchlights, Used as Automobile and Motor-Boat Equipment.

Claims use since Aug. 15, 1922.

Ser. No. 200,634. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTHWESTERN RUBBER COMPANY, Akron, Ohio, and Liverpool, England. Filed July 28, 1924.

CARBOTEX

Particular description of goods.—India Rubber and Partly-Prepared and Reclaimed India Rubber.
Claims use since Feb. 22, 1924.

Ser. No. 200,680. (CLASS 15. OILS AND GREASES.) POLLARD OIL COMPANY, INC., Sioux City, Iowa. Filed July 29, 1924.

TRI-AMBLE

Particular description of goods.—Fuel Oils, Lubricating Oils and Greases.
Claims use since Apr. 15, 1924.

Ser. No. 200,707. (CLASS 12. CONSTRUCTION MATERIALS.) BASTIAN-MORLEY CO., Laporte, Ind. Filed July 30, 1924.

THERNOSEAL

Particular description of goods.—Asbestos-Felt Jackets for Water Heaters and Boilers.
Claims use since June 28, 1924.

Ser. No. 200,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS REEGLSON, doing business as The Physicians & Surgeons Laboratories, New York, N. Y. Filed July 30, 1924.



No claim is made to the exclusive use of the representation of a suppository. The lining merely represents shading.

Particular description of goods.—Vaginal Suppositories.

Claims use since Feb. 27, 1924.

Ser. No. 200,740. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLEGE INN FOOD PRODUCTS COMPANY, doing business as College Inn Food Department of the Hotel Sherman Company, Chicago, Ill. Filed July 31, 1924.

COLLEGE INN

Particular description of goods.—Canned Food Products—Namely, Chicken Noodle Soup, Boned Chicken, Chicken-Liver Spread, Jellied Tomato Bouillon, Cream-of-Tomato Soup, Chop Suey, Chile Con Carne, Creamed Spaghetti with Mushrooms, Chicken Salad, Chicken a la King, Chicken Broth with Rice, and Deviled Chicken, Bottled Mayonnaise and Thousand Island Dressing, and a Sandwich Spread Made from Minced Ham, Pickles, Olives, and Mayonnaise Dressing.
Claims use since Sept. 1, 1922.

Ser. No. 200,762. (CLASS 15. OILS AND GREASES.) WILLIAM L. HAGENBAUGH, doing business as Master Lubricants Company, Los Angeles, Calif. Filed July 31, 1924.



No claim is made to the representation of the barrel or oil drum per se apart from the mark shown by the drawing. Trade-mark comprises a blue barrel or oil drum with yellow ends, as indicated by the shaded lines in the drawing.

Particular description of goods.—Lubricating Oils and Greases.

Claims use since January, 1921.

Ser. No. 200,814. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GILMORE, BERMOND & CO., INC., New York, N. Y. Filed Aug. 1, 1924.



No claim is made herein to the registration of the word "Linens" apart from the mark shown in the drawing.

Particular description of goods.—Pure Linens in the Piece.

Claims use since July 18, 1924.

Ser. No. 200,815. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GILMORE, BERMOND & CO., INC., New York, N. Y. Filed Aug. 1, 1924.

KRINKL-PRUF

Particular description of goods.—Mercerized Linen in the Piece.

Claims use since July 18, 1924.

Ser. No. 200,897. (CLASS 38. PRINTS AND PUBLICATIONS.) PERIODICAL PUBLISHING COMPANY, Grand Rapids, Mich. Filed Aug. 2, 1924.

HOMES CHARMING

Particular description of goods.—Monthly Publication.
Claims use since April, 1924.

Ser. No. 200,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STARR FRUIT PRODUCTS CO., Portland, Oreg. Filed Aug. 2, 1924.



The word "Brand" is disclaimed.
Particular description of goods.—Canned Fruits, Canned Berries, Canned Vegetables, Fruit Preserves, Fresh Prunes in Syrup.
Claims use since 1920.

Ser. No. 200,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARDO ANGEL, New York, N. Y. Filed Aug. 4, 1924.

ANGEL'S LA PALMA

Particular description of goods.—Coffee.
Claims use since June, 1922.

Ser. No. 200,967. (CLASS 39. CLOTHING.) ROUFA BROTHERS, St. Louis, Mo. Filed Aug. 4, 1924.

805 ORIGINAL

Particular description of goods.—Boots and Shoes.
Claims use since July 16, 1924.

Ser. No. 200,975. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMID DUN COMPANY, New York, N. Y. Filed Aug. 3, 1924.

SOLANID

Particular description of goods.—Leather Grease.
Claims use since September, 1923.

Ser. No. 200,999. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANG KNITTING MILLS, INC., New York, N. Y. Filed Aug. 5, 1924.

Kord-de-Luxe

Particular description of goods.—Knitted Silk Fabrics of Silk and Artificial Silk.
Claims use since July 25, 1924.

Ser. No. 201,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind. Filed Aug. 5, 1924.

DEARBORN MILLS Delight SELF RISING

No claim is made to the words "Self Rising" apart from the mark as shown in the drawing.

Particular description of goods.—Self-Rising Wheat Flour.

Claims use since July 25, 1920.

Ser. No. 201,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. B. THOMAS, doing business as The Nacomee Company, Buffalo, N. Y. Filed Aug. 5, 1924.



The words "Buffalo, New York" are disclaimed. The words "A Lotion Different" also appearing on the drawing are descriptive and are not intended to be part of the trade-mark and are herewith disclaimed.

Particular description of goods.—Toilet Lotion.
Claims use since Jan. 1, 1920.

Ser. No. 201,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLUMBIA RIVER PACKERS ASSOCIATION, Astoria, Oreg. Filed Aug. 6, 1924.

SOVEREIGN BRAND

The word "Brand" is disclaimed.
Particular description of goods.—Canned Salmon.
Claims use since about Apr. 16, 1893.

Ser. No. 201,027. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GARDNER-BARADA CHEMICAL CO., Chicago, Ill. Filed Aug. 6, 1924.



Particular description of goods.—Adhesive Preparation for Treating Pulleys and the Like.
Claims use since July 31, 1924.

Ser. No. 201,035. (CLASS 39. CLOTHING.) L. J. & C. D. JAFFEE, INC., New York, N. Y. Filed Aug. 6, 1924.

BOYS' Longies

Particular description of goods.—First Long Pants Suits Designed for Boys in the Transitional Stages Between the Ages of 14 and 18 years.
Claims use since July 15, 1924.

Ser. No. 201,072. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Filed Aug. 7, 1924.

HUMATIC

Particular description of goods.—Extractors for Removing Moisture or Cleaning Fluids from Fabrics, Clothing, Etc.
Claims use since May 31, 1922.

Ser. No. 201,073. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Filed Aug. 7, 1924.

THERMO-VENTO

Particular description of goods.—Drying Machines for Use in Dry-Cleaning Plants, Laundries, Etc.
Claims use since May 24, 1924.

Ser. No. 201,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB H. SNYDER, Sodus and Savannah, N. Y. Filed Aug. 7, 1924.

WAYCONY GARDENS

Particular description of goods.—Fresh Fruits and Vegetables—Namely, Carrots, Yellow Globe Onions, Romaine Lettuce, Golden Celery, Boston Head Lettuce, Potatoes, Parsnips, Cucumbers, Cauliflower, Tomatoes, Celery Hearts, Deciduous Fruits, Beets, Cabbage, Sweet Corn, Asparagus, and String Beans.
Claims use since June 5, 1924.

Ser. No. 201,194. (CLASS 39. CLOTHING.) HESS BROTHERS, Allentown, Pa. Filed Aug. 9, 1924.

SMARTKNIT

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since May 17, 1924.

Ser. No. 201,197. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HAROLD JOHNSON, doing business as Super-Sete Mfg. Co., New York, N. Y. Filed Aug. 9, 1924.

"SUPER-SETE"

Particular description of goods.—Auxiliary Window Sills, A Removable Window-Sill-Extension Seat for Cleaning of Windows or Other Duties.
Claims use since Feb. 16, 1923.

Ser. No. 201,236. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE HAPPY HOME STEAM WASHING MACHINE CO. INC., Logan and Sycamore, Ohio. Filed Aug. 11, 1924.

HAPPY HOME

Particular description of goods.—Laundry Washing Machines.
Claims use since about January, 1916.

Ser. No. 201,278. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSO., (U. S. A.), Bradford, R. I. Filed Aug. 12, 1924.

Indanfast

Trade-mark consists of the word "Indanfast."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since July 15, 1924.

Ser. No. 201,280. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed Aug. 12, 1924.

FADENAUGHT

Trade-mark consists of the word "Fadenaught."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since July 15, 1924.

Ser. No. 201,281. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed Aug. 12, 1924.

BraDvenA

Trade-mark consists of the word "Bradvena."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since July 15, 1924.

Ser. No. 201,282. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed Aug. 12, 1924.

Laundprufe

Trade-mark consists of the word "Laundprufe."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since July 15, 1924.

Ser. No. 201,295. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KNICKERBOCKER WATCH CO., New York, N. Y. Filed Aug. 12, 1924.

THE DIMINUET

Trade-mark consists of the words "The Diminuet."
Particular description of goods.—Watches and Watch Movements.
Claims use since about Aug. 7, 1923.

Ser. No. 201,299. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD MONGENSTERN, doing business as Medicine Company, New York, N. Y. Filed Aug. 12, 1924.

Medicone

Particular description of goods.—Vaginal Suppository for the Treatment of Inflammatory Conditions.
Claims use since Jan. 1, 1924.

Ser. No. 201,462. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., Bergen, N. J., and New York, N. Y. Filed Aug. 15, 1924.

"AMIGEL FABRIC" FEMME-DE-SOIE

Exclusive use of the words "Silks," "Fabric," "Originality," and "Quality" is disclaimed apart from the mark shown.

Particular description of goods.—Silk Piece Goods.
Claims use since June 6, 1924.

Ser. No. 201,474. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JACOB H. WEBER, Brooklyn, N. Y. Filed Aug. 15, 1924.

REEDENA

Particular description of goods.—Radio Loud Speakers.
Claims use since July 1, 1924.

Ser. No. 201,492. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. DUNLEAVY, Cambridge, Mass. Filed Aug. 16, 1924.

Winall

Particular description of goods.—Face Creams, Hair Tonics, and Toilet Waters.
Claims use since July 30, 1924.

Ser. No. 201,525. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CHRIS ANDERSON, doing business as The Minneapolis Bottling Company, Minneapolis, Minn. Filed Aug. 18, 1924.



Applicant relinquishes all claim to the exclusive use of the words "Brand" and "Minneapolis, Minn." The lines on the drawing indicate the colors blue and yellow.

Particular description of goods.—Soft Drinks—viz, Ginger Ale, Kola, Grape, Root Beer, Cherry Phosphate, Strawberry Soda, Cream Soda, Lime Soda, Cloudy Lemon Soda, Lemon Soda, and Orange Soda.
Claims use since May 17, 1917.

Ser. No. 201,550. (CLASS 32. FURNITURE AND UPHOLSTERY.) EVR KLEAN SEAT PAD CO., St. Louis, Mo. Filed Aug. 18, 1924.

"OVR-ALL"

Particular description of goods.—Seat Pads and Cushions.
Claims use since about June 15, 1924.

Ser. No. 201,579. (CLASS 15. OILS AND GREASES.) THE QUEEN CITY PETROLEUM PRODUCTS COMPANY, Cincinnati, Ohio. Filed Aug. 18, 1924.

QUENOCO

Particular description of goods.—Motor-Lubricating Oils and Greases.
Claims use since Aug. 1, 1921.

Ser. No. 201,580. (CLASS 15. OILS AND GREASES.) THE QUEEN CITY PETROLEUM PRODUCTS COMPANY, Cincinnati, Ohio. Filed Aug. 18, 1924.

BEAR POWER

Particular description of goods.—Gasoline.
Claims use since Aug. 1, 1921.

Ser. No. 201,663. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERSHEY BROTHERS, Pittsburgh, Pa. Filed Aug. 20, 1924.

EATMOR

Particular description of goods.—Chocolate and Cocoa Products.
Claims use since Sept. 30, 1907.

Ser. No. 201,695. (CLASS 30. CLOTHING.) H. & J. D. COHEN, INC., New York, N. Y. Filed Aug. 21, 1924.



The exclusive use of the word "Clothes" is hereby disclaimed apart from the mark as shown.

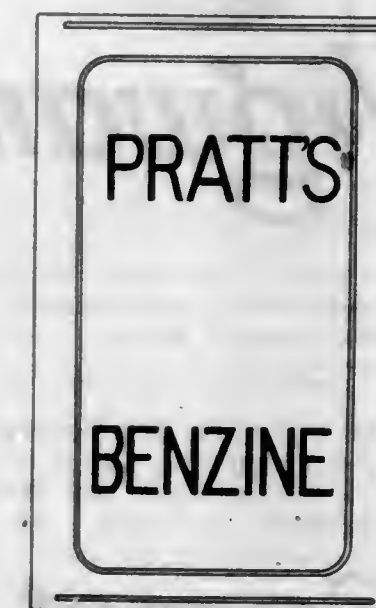
Particular description of goods.—Coats and Suits for Men and Boys.
Claims use since May 1, 1924.

Ser. No. 201,720. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARL E. SCHMIDT AND COMPANY, INC., Detroit, Mich. Filed Aug. 21, 1924.

Redwood

Particular description of goods.—Leather.
Claims use since May 1, 1924.

Ser. No. 201,726. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 21, 1924.



No claim is made to the word "Benzine" apart from the mark shown.

Particular description of goods.—Benzine.
Claims use since 1885.

Ser. No. 201,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERYLL C. HOAGLAND, Eastwood, N. Y. Filed Aug. 22, 1924.

CAT-TAIL

Particular description of goods.—Ice Cream, Ices, and Candles.
Claims use since June 1, 1924.

Ser. No. 201,778. (CLASS 38. PRINTS AND PUBLICATIONS.) LAWRENCE SYDNEY STEIN, doing business as Lawrence Publications, Chicago, Ill. Filed Aug. 22, 1924.

THE ORCHESTRA REVIEW

The shade lines shown in the drawing are merely for the purpose of shading and do not indicate color.

Particular description of goods.—Periodical Published Weekly.
Claims use since Aug. 20, 1924.

Ser. No. 201,795. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Filed Aug. 23, 1924.

Sachem

Trade-mark consists of the word "Sachem."
Particular description of goods.—Cotton Blankets.
Claims use since Sept. 8, 1921.

Ser. No. 201,796. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Filed Aug. 23, 1924.

Wigwam

Trade-mark consists of the word "Wigwam."
Particular description of goods.—Cotton Blankets.
Claims use since Sept. 8, 1921.

Ser. No. 201,797. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Filed Aug. 23, 1924.

Comet

The trade-mark consists of the word "Comet."
Particular description of goods.—Cotton Blankets.
Claims use since Oct. 24, 1922.

Ser. No. 201,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. R. SHARP, doing business as Perfect Powder Puff Co., Not Inc., Chicago, Ill. Filed Aug. 25, 1924.

WHITE-ROUGE

Trade-mark "White Rouge." Without waiver of any common-law right, no claim is made to the exclusive use of the word "Rouge" apart from the mark shown in the drawing.

Particular description of goods.—Rouge.
Claims use since Aug. 15, 1924.

Ser. No. 201,889. (CLASS 15. OILS AND GREASES.) JOSE BUTZ & SON, Brownsville, Tex. Filed Aug. 26, 1924.

VELVORENE

Particular description of goods.—Lubricating Oils, Cup Grease, and Axle Grease for Motor-Drawn Vehicles and Engines.
Claims use since June 16, 1924.

Ser. No. 201,973. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ORANGE CRUSH CO., Chicago, Ill. Filed Aug. 28, 1924.

LIMA-CRUSH

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages and Compounds and Concentrates for Producing the Same.
Claims use since July 1, 1921.

Ser. No. 201,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. LMLAY, doing business as Liberty Candy Co., Oklahoma City, Okla. Filed Aug. 28, 1924.

HOLD'ER 5¢
5¢ NEW'T

The sign "5¢" is disclaimed.
Particular description of goods.—Candles.
Claims use since Sept. 1, 1923.

Ser. No. 202,021. (CLASS 2. RECEPTACLES.) THE KOPPER KRAFT SHOPS, INC., Buffalo, N. Y. Filed Aug. 29, 1924.

Kopper-kraft

Particular description of goods.—Bronze, Brass, and Similar Metal Boxes, Desk Trays, Vases, and Flower Holders.
Claims use since Sept. 1, 1923.

Ser. No. 202,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA LABORATORIES, INC., Los Angeles, Calif. Filed Aug. 30, 1924.

CALIFRUIT

Particular description of goods.—Flavoring Extracts for Foods, Marmalades, Jams, Jellies, Fruit Preserves, Pickles, Table Relishes, Lemon Curd, Cake Frosting, Shortening, and Cocoa Butter.
Claims use since Dec. 1, 1923.

Ser. No. 202,053. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EXCELSIOR SALINE WATER COMPANY, Excelsior Springs, Mo. Filed Aug. 30, 1924.

Excelsior Saline Water
A KEYSTONE TO HEALTH

The words "Saline Water" are disclaimed apart from the mark shown.

Particular description of goods.—Natural Mineral Waters.
Claims use since June, 1921.

Ser. No. 202,095. (CLASS 12. CONSTRUCTION MATERIALS.) BOWMAN-HICKS LUMBER COMPANY, Wilmington, Del., and Kansas City, Mo. Filed Sept. 2, 1924.

B-BLUE MOUNTAIN-H

Particular description of goods.—Lumber.
Claims use since July 15, 1924.

Ser. No. 202,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEUHOF PACKING COMPANY, Nashville, Tenn. Filed Sept. 3, 1924.

"MAPLE LEAF"

Particular description of goods.—Bacon Bellies.
Claims use since Jan. 1, 1914.

Ser. No. 202,178. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEUHOF PACKING COMPANY, Nashville, Tenn. Filed Sept. 3, 1924.

OLD HICKORY

Particular description of goods.—Ham.
Claims use since Jan. 1, 1921.

Ser. No. 202,184. (CLASS 33. GLASSWARE.) SERGEANT GLASS CO., Sergeant, Pa. Filed Sept. 3, 1924.

SILVERITE

Trade-mark consists of the word "Silverite."
Particular description of goods.—Light Diffuser in Sheet-Glass Form.
Claims use since about May 10, 1924.

Ser. No. 202,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONIDAS VASTI J. DUNN, Philadelphia, Pa. Filed Aug. 27, 1924.

L. V. J. D.'S TONIC



The picture is a facsimile of applicant's portrait. No claim is made to the word "Tonic" apart from the mark shown.

Particular description of goods.—Medicinal Preparation for Syphilis and All Venereal Diseases. Also a Blood Purifier, and Removes All Sores and Bolls Caused by the Disease.

Claims use since Sept. 6, 1911.

Ser. No. 202,203. (CLASS 38. PRINTS AND PUBLICATIONS.) GERMOTT PUBLISHING CO., New York, N. Y. Filed Sept. 4, 1924.

MOTOR CAMPER & TOURIST

Trade-mark "Motor Camper & Tourist."
Particular description of goods.—Monthly Magazine.
Claims use since June 1, 1924.

Ser. No. 202,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Sept. 4, 1924.

DEW DROPS

Particular description of goods.—Candy.
Claims use since about December, 1899.

Ser. No. 202,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Sept. 4, 1924.

LITTLE GEMS

Particular description of goods.—Candy.
Claims use since about December, 1884.

Ser. No. 202,217. (CLASS 5. ADHESIVES.) THE OKONITE COMPANY, Passaic, N. J. Filed Sept. 4, 1924.

**DUNDEE
A**

Particular description of goods.—Adhesive and Friction Tapes.

Claims use since Feb. 20, 1922.

Ser. No. 202,218. (CLASS 5. ADHESIVES.) THE OKONITE COMPANY, Passaic, N. J. Filed Sept. 4, 1924.

**DUNDEE
B**

Particular description of goods.—Adhesive and Friction Tapes.

Claims use since Sept. 13, 1922.

Ser. No. 202,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT L. ZOERNIG, doing business as H. Lawrence Chemical Company, Sedalia, Mo. Filed Sept. 4, 1924.



Particular description of goods.—Ointment and Lotion Powder for Use in the Treatment of Eruptions and Inflammation of the Skin.

Claims use since Aug. 26, 1924.

Ser. No. 202,240. (CLASS 39. CLOTHING.) COMET TEXTILE CO. INC., New York, N. Y. Filed Sept. 5, 1924.

COMET

Particular description of goods.—Fabric Gloves and Hosiery.

Claims use since Sept. 27, 1923.

Ser. No. 202,242. (CLASS 39. CLOTHING.) COMET TEXTILE CO. INC., New York, N. Y. Filed Sept. 5, 1924.

COMET

Particular description of goods.—Fabric Gloves and Hosiery.

Claims use since Dec. 19, 1923.

Ser. No. 202,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY L. DITZLER, Huntington, Ind. Filed Sept. 6, 1924.



"Ditzler Fancy Milk Fed Poultry" is disclaimed apart from the other features of the mark shown on the accompanying drawing.

Particular description of goods.—Poultry.

Claims use since July 1, 1922.

Ser. No. 202,301. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Sept. 6, 1924.

Trusty-Tom

Particular description of goods.—Clocks and Watches.

Claims use since Aug. 23, 1924.

Ser. No. 202,343. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HENRIK-LUEBBERT MFG. CO. INC., San Francisco, Calif. Filed Sept. 8, 1924.

SHEIK

Particular description of goods.—Tents.

Claims use since December, 1922.

Ser. No. 202,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORFOLK POULTRY COMPANY, Norfolk, Nebr. Filed Sept. 8, 1924.

METEOR
★ BRAND

The exclusive right to the use of the word "Brand" apart from the mark as shown in the drawing is disclaimed.

Particular description of goods.—Dressed Poultry.

Claims use since Aug. 25, 1924.

Ser. No. 202,362. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. H. SORGE, Nashville, Tenn. Filed Sept. 8, 1924.

Marsha

Particular description of goods.—Toilet Preparations—Namely, Face Powders.

Claims use since March, 1921.

Ser. No. 202,402. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

**Ambre
Mousse**

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since prior to 1912.

Ser. No. 202,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

**LA
FERIA**

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since prior to 1912.

328 O. G.—37

Ser. No. 202,405. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

**Royal
Caprice**

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since prior to 1912.

Ser. No. 202,406. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

**Mimosa
de Nice**

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since prior to 1912.

Ser. No. 202,407. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

**Violette
Orchidée**

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since prior to 1912.

Ser. No. 202,408. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

Atyche

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Compacts, Rouge, Face Cream, Brillian-tine, and Hair Tonic.

Claims use since prior to 1912.

Ser. No. 202,413. (CLASS 38. PRINTS AND PUBLI-CATIONS.) JOHN MORRELL & Co., Ottumwa, Iowa. Filed Sept. 9, 1924.

The Morrell Magazine

Particular description of goods.—Monthly Magazine. Claims use since Aug. 2, 1922.

Ser. No. 202,423. (CLASS 35. BELTING, HOSE, MA-CHINERY PACKING, AND NONMETALLIC TIRES.) UNITED CYCLE Co., Bridgeport, Conn. Filed Sept. 9, 1924.



Particular description of goods.—Automobile, Truck, and Motor-Cycle Tires and Inner Tubes of Rubber or Rubber and Fabric.

Claims use since Aug. 25, 1924.

Ser. No. 202,479. (CLASS 21. ELECTRICAL APPA-RATUS, MACHINES, AND SUPPLIES.) THE AMERI- CAN SPECIALTY COMPANY, Bridgeport, Conn. Filed Sept. 11, 1924.

ELECTROLA

Particular description of goods.—Radio Receiving Sets and Parts Thereof—Namely, Variometers, Varlocouplers, Variable Condensers, Radiotransformers, Loud Speakers, and Head Sets.

Claims use since Sept. 8, 1924.

Ser. No. 202,507. (CLASS 21. ELECTRICAL APPA-RATUS, MACHINES, AND SUPPLIES.) WALTER A. JONES, doing business as Duravolt Storage Battery Co., Chicago, Ill. Filed Sept. 11, 1924.

DURAVOLT

Particular description of goods.—Storage Batteries, Radio A Batteries and Radio B Batteries. Claims use since Aug. 22, 1924.

Ser. No. 202,550. (CLASS 39. CLOTHING.) CARTER CLOTHING CORPORATION, New York, N. Y. Filed Sept. 12, 1924.



The words "Carter's Clothes" are disclaimed. Particular description of goods.—Men's, Young Men's, and Boys' Suits, Overcoats, and Raincoats. Claims use since Aug. 1, 1924.

Ser. No. 202,551. (CLASS 39. CLOTHING.) H. & L. EPSTEIN, INC., St. Louis, Mo. Filed Sept. 12, 1924.



Particular description of goods.—Men's and Boys' Sport and Working Clothing—Namely, Coats, Topcoats, Vests, and Trousers, Helmets, Caps, and Hats. Claims use since November, 1923.

Ser. No. 202,565. (CLASS 6. CHEMICALS, MEDI-CINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING Co., Philadel-phia, Pa. Filed Sept. 12, 1924.



Particular description of goods.—Liquid Chlorine, Chlorinated Lime, Caustic Soda, Bicarbonate of Soda, and Sal Soda.

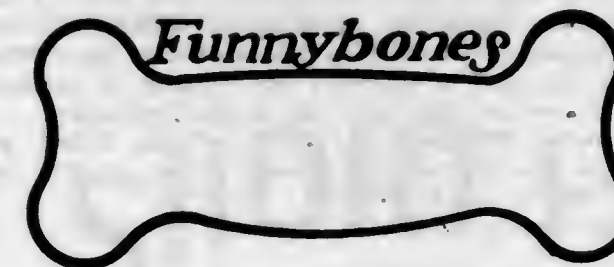
Claims use since May, 1923.

Ser. No. 202,572. (CLASS 39. CLOTHING.) E. J. WILE & Co., New York, N. Y. Filed Sept. 12, 1924.

BOBBIE

Trade-mark consists of the word "Bobbie." Particular description of goods.—Ladies' Coats, Suits, and Dresses. Claims use since Aug. 19, 1924.

Ser. No. 202,590. (CLASS 38. PRINTS AND PUBLI-CATIONS.) LESLIE-JUDGE COMPANY, New York, N. Y. Filed Sept. 13, 1924.



Particular description of goods.—Heading for Magazine Articles. Claims use since on or about Aug. 9, 1924.

Ser. No. 202,593. (CLASS 39. CLOTHING.) MAX MENDELSON, Chicago, Ill. Filed Sept. 13, 1924.

Silkose

Particular description of goods.—Men's, Women's, and Children's Hosiery. Claims use since June 24, 1924.

Ser. No. 202,614. (CLASS 21. ELECTRICAL APPA-RATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed Sept. 15, 1924.

VARIO-FORMER

Particular description of goods.—Variable or Variome-ter Transformers for Use in Radio Receiving and Other Circuits. Claims use since Oct. 1, 1923.

Ser. No. 202,616. (CLASS 21. ELECTRICAL APPA-RATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Sept. 15, 1924.

MINILOSS

Trade-mark consists of the word "MiniLoss." Particular description of goods.—Radio Electrical Ap- pliances—Namely, Variable Condensers. Claims use since on or about June 25, 1924.

Ser. No. 202,617. (CLASS 32. FURNITURE AND UP- HOLSTERY.) EMPIRE MATTRESS COMPANY, Chicago, Ill. Filed Sept. 15, 1924.



Particular description of goods.—Mattresses. Claims use since 1904.

Ser. No. 202,629. (CLASS 27. HOROLOGICAL IN- STRUMENTS.) HAMBURG-AMERIKANISCHE UHREN- FABRIK, Schramberg, Germany. Filed Sept. 15, 1924.

Allegro

Particular description of goods.—Clocks and Parts Thereof Exclusive of Striking Clocks. Claims use since Apr. 23, 1923.

Ser. No. 202,630. (CLASS 27. HOROLOGICAL IN- STRUMENTS.) HAMBURG-AMERIKANISCHE UHREN- FABRIK, Schramberg, Germany. Filed Sept. 15, 1924.



Particular description of goods.—Clocks and Watches and Parts Thereof. Claims use since Feb. 7, 1924.

Ser. No. 202,635. (CLASS 39. CLOTHING.) NORTON BUOS. & MORRIS, Los Angeles, Calif. Filed Sept. 15, 1924.



Particular description of goods.—Men's Dress Pants, Work Pants, and Overalls. Claims use since June 1, 1924.

Ser. No. 202,662. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD A. GYATT, Cortland, N. Y. Filed Sept. 16, 1924.

GYATT'S GO GETTER

Particular description of goods.—Salve for Cuts, Burns, Chaps, Chafes, Etc.
Claims use since Aug. 15, 1924.

Ser. No. 202,720. (CLASS 39. CLOTHING.) STILES SERVICE SYNDICATE, INCORPORATED, New York, N. Y. Filed Sept. 17, 1924.

Modeler

Particular description of goods.—Ladies' Dresses, Coats, and Suits.
Claims use since Sept. 5, 1924.

Ser. No. 202,726. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE L. UMAN, doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Filed Sept. 17, 1924.

PAPCO

Particular description of goods.—Type Cleanser and Cleaning Fluid.
Claims use since December, 1923.

Ser. No. 202,754. (CLASS 39. CLOTHING.) ALFRED KIMBALL SHOE CO., Lawrence and Boston, Mass. Filed Sept. 18, 1924.



Particular description of goods.—Men's Leather Shoes.
Claims use since Aug. 1, 1924.

Ser. No. 202,793. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEON J. CANOVA, Miami, Fla. Filed Sept. 20, 1924.



Without waiving any common-law right which I may have therein I make no claim herein under the Trade-Mark statutes to the wording "South Florida Marl Where Early Production in Quantity and Quality is Assured" except in conjunction with the trade-mark shown.

Particular description of goods.—Fresh, Dried, and Preserved Fruits and Vegetables; Jellies, Pickles, and Canned Fruits and Vegetables.
Claims use since Sept. 10, 1924.

Ser. No. 202,807. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SOPHIE HORNSTEIN, doing business as Arrow Novelty Co., New York, N. Y. Filed Sept. 20, 1924.

FUR-KAST

Particular description of goods.—Fur Trimmings for Wearing Apparel.
Claims use since May 23, 1924.

Ser. No. 202,815. (CLASS 2. RECEPTACLES.) LINGSFIELD BROTHERS, New Orleans, Calif. Filed Sept. 20, 1924.

THE ALL SEASON BOX

No claim is made to the word "Box" apart from the mark as shown.

Particular description of goods.—Paper Boxes, Specializing on Candy Boxes.
Claims use since July, 1921.

Ser. No. 202,841. (CLASS 39. CLOTHING.) MAURICE WYMAN, Baltimore, Md. Filed Sept. 20, 1924.



Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Any Combination of the Same.
Claims use since Aug. 1, 1924.

Ser. No. 202,842. (CLASS 39. CLOTHING.) MAURICE WYMAN, Baltimore, Md. Filed Sept. 20, 1924.

TRU-GRIP

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Any Combination of the Same.
Claims use since Aug. 1, 1924.

Ser. No. 202,870. (CLASS 39. CLOTHING.) HOLLAND SHOE CO., Holland, Mich. Filed Sept. 22, 1924.

SHORTY

Particular description of goods.—Leather Boots and Shoes.
Claims use since May 15, 1924.

Ser. No. 202,881. (CLASS 39. CLOTHING.) MAMMOTH HOSIERY MILLS, Philadelphia, Pa. Filed Sept. 22, 1924.



Particular description of goods.—Ladies' Hosiery.
Claims use since February, 1923.

Ser. No. 202,882. (CLASS 39. CLOTHING.) MAMMOTH HOSIERY MILLS, Philadelphia, Pa. Filed Sept. 22, 1924.



Particular description of goods.—Ladies' Hosiery.
Claims use since December, 1923.

Ser. No. 202,898. (CLASS 37. PAPER AND STATIONERY.) ROYAL CARD & PAPER CO., New York, N. Y. Filed Sept. 22, 1924.



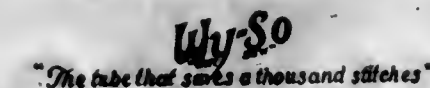
No claim is made to the exclusive use of the wording; but all common-law rights therein are expressly reserved.
Particular description of goods.—Envelope-Lining Papers.
Claims use since March, 1924.

Ser. No. 202,906. (CLASS 12. CONSTRUCTION MATERIALS.) TURNER ASBESTOS AND ROOFING CO., Chester, Pa. Filed Sept. 22, 1924.



Particular description of goods.—Asbestos Shingles and Magnesia and Asbestos Pipe Covering.
Claims use since Aug. 15, 1924.

Ser. No. 202,914. (CLASS 5. ADHESIVES.) THE WY-SO PRODUCTS COMPANY, Cincinnati, Ohio. Filed Sept. 22, 1924.



Particular description of goods.—Fabric-Mending Fluid.
Claims use since May 7, 1924.

Ser. No. 202,933. (CLASS 39. CLOTHING.) PAUL L. COOK, doing business as Spring City Hosiery Mills, Spring City, Pa. Filed Sept. 23, 1924.



Particular description of goods.—Ladies' Hosiery.
Claims use since January, 1924.

Ser. No. 202,945. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Sept. 23, 1924.

Tom-tom Tom

Particular description of goods.—Clocks.
Claims use since Sept. 16, 1924.

Ser. No. 202,955. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHAM-BOW SHUTTLE COMPANY, Woonsocket, R. I. Filed Sept. 23, 1924.

HEART OF THE LOOM

Particular description of goods.—Shuttles.
Claims use since Aug. 15, 1923.

Ser. No. 202,956. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHAM-BOW SHUTTLE COMPANY, Woonsocket, R. I. Filed Sept. 23, 1924.

STREAMLINE

Particular description of goods.—Shuttles.
Claims use since Dec. 1, 1923.

Ser. No. 202,957. (CLASS 39. CLOTHING.) SILBERSTEIN BROS. SHIRT CO., New York, N. Y. Filed Sept. 23, 1924.



Particular description of goods.—Men's Dress Shirts.
Claims use since Aug. 4, 1924.

Ser. No. 202,962. (CLASS 12. CONSTRUCTION MATERIALS.) WOOD CONVERSION COMPANY, Cloquet, Minn. Filed Sept. 23, 1924.

Nu-Wood

Particular description of goods.—Composition Board.
Claims use since Aug. 8, 1924.

Ser. No. 202,963. (CLASS 39. CLOTHING.) THE KREGER STORE, INCORPORATED, New Orleans, La. Filed Sept. 23, 1924.

WONDERWEAR

Particular description of goods.—Hosiery.
Claims use since Aug. 1, 1924.

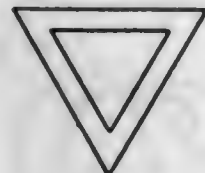
Ser. No. 202,968. (CLASS 39. CLOTHING.) ABRAMS & LINDEN, New York, N. Y. Filed Sept. 24, 1924.

MUSKRATINE

Particular description of goods.—Fur Coats.
Claims use since February, 1924.

Ser. No. 202,990. (CLASS 32. FURNITURE AND UP-HOLSTERY.) GRAND RAPIDS BEDDING COMPANY, Grand Rapids, Mich. Filed Sept. 24, 1924.

REST BEST



Particular description of goods.—Wire Bed Springs.
Claims use since Sept. 29, 1917.

Ser. No. 203,009. (CLASS 39. CLOTHING.) SERVICE GARMENT COMPANY, Gainesville, Tex. Filed Sept. 24, 1924.



Particular description of goods.—Overalls and Shirts.
Claims use since Jan. 1, 1924.

Ser. No. 203,019. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOONVILLE MILLS COMPANY, Boonville, Mo. Filed Sept. 25, 1924.



Particular description of goods.—Wheat Flour.
Claims use since January, 1919.

Ser. No. 203,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOONVILLE MILLS COMPANY, Boonville, Mo. Filed Sept. 25, 1924.

RYZALONE

Particular description of goods.—Wheat Flour.
Claims use since November, 1922.

Ser. No. 203,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOONVILLE MILLS COMPANY, Boonville, Mo. Filed Sept. 25, 1924.



Particular description of goods.—Wheat Flour.
Claims use since January, 1919.

Ser. No. 203,052. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW J. PONTIER, Clifton, N. J. Filed Sept. 25, 1924.

HEALKWIK

Particular description of goods.—Plasters for the Treatment of Bolls, Cuts, Bruises, and Wounds.
Claims use since Sept. 10, 1923.

Ser. No. 203,077. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Sept. 26, 1924.

LINERITE

Particular description of goods.—Rubber Linings for Sleeves, Conduits, and Receptacles, and More Particularly for Ball, Pebble, and Tool Grinding Mills.
Claims use since August, 1924.

Ser. No. 203,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT COMMERCE COMPANY, Detroit, Mich. Filed Sept. 27, 1924.

LA VAQUITA

Particular description of goods.—Condensed and Evaporated Milk.
Claims use since Sept. 15, 1924.

Ser. No. 203,129. (CLASS 39. CLOTHING.) JANTZEN KNITTING MILLS, Portland, Ore. Filed Sept. 27, 1924.

Diving Girl

Particular description of goods.—Swimming Suits.
Claims use since Sept. 23, 1924.

Ser. No. 203,130. (CLASS 39. CLOTHING.) JANTZEN KNITTING MILLS, Portland, Ore. Filed Sept. 27, 1924.

Red Diving Girl

Particular description of goods.—Swimming Suits.
Claims use since March, 1920.

Ser. No. 203,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PLEE-ZING CORPORATION, New York, N. Y. Filed Sept. 27, 1924.



Particular description of goods.—Laundry Starch.
Claims use since July, 1924.

Ser. No. 203,162. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES D. BRIDDELL, Crisfield, Md. Filed Sept. 29, 1924.

Stan-More

Particular description of goods.—Oyster Tongs and Ice Tongs.
Claims use since Sept. 1, 1924.

Ser. No. 203,208. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. R. SQUIBB & SONS, New York, N. Y. Filed Sept. 29, 1924.

Cal-Agar

Particular description of goods.—Liquid Preparation to be Used as a Laxative.
Claims use since Sept. 18, 1924.

Ser. No. 203,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. R. SQUIBB & SONS, New York, N. Y. Filed Sept. 29, 1924.

Casto-Agar

Particular description of goods.—Liquid Preparation to be Used as a Laxative.
Claims use since Sept. 18, 1924.

Ser. No. 203,224. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RALPH B. CARTER COMPANY, New York, N. Y. Filed Sept. 30, 1924.

HUMDINGER

Particular description of goods.—Pumps of All Kinds and Parts Thereof and Internal-Combustion Engines and Parts Thereof.
Claims use since Dec. 15, 1920.

Ser. No. 203,226. (CLASS 39. CLOTHING.) CLUETT, PEABODY & COMPANY, INC., Troy, N. Y. Filed Sept. 30, 1924.

LIDO

Particular description of goods.—Dress and Negligee Shirts.
Claims use since Sept. 13, 1924.

Ser. No. 203,229. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CRUMB & SNYDER Co., Pasadena, Calif. Filed Sept. 30, 1924.

DUST--O

Particular description of goods.—Dust Cloths.
Claims use since July 1, 1924.

Ser. No. 203,237. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LOUIS HILSENBECK, New York, N. Y. Filed Sept. 30, 1924.

Paradise

Particular description of goods.—Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since October, 1921.

Ser. No. 203,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MME. EULALIE VANCE, Cape May, N. J. Filed Sept. 30, 1924.

Jap-a-sa-qua

Particular description of goods.—Hair Grower, Hair Gloss, Hair Tonic, and Shampoo.
Claims use since June 13, 1922.

Ser. No. 203,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTHELLO W. COLLINS, doing business as Othello W. Collins & Co., Chicago, Ill. Filed Oct. 1, 1924.

ANY-WA

Particular description of goods.—Hairdressing.
Claims use since July 30, 1924.

Ser. No. 203,260. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DUNBAR-DUKATE Co., INC., Biloxi, Miss. Filed Oct. 1, 1924.

PRETTY BIRD

Particular description of goods.—Crushed Oyster Shells for Poultry.
Claims use since Sept. 1, 1924.

Ser. No. 203,272. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VAN DYKE HILL, New York, N. Y. Filed Oct. 1, 1924.

REOPTICON

Particular description of goods.—Motion-Picture-Projecting Machines.
Claims use since Aug. 15, 1924.

Ser. No. 203,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL A. MELLENTHIN, doing business as The Tonad Company, Los Angeles, Calif. Filed Oct. 1, 1924.

TONAD

Particular description of goods.—Compound for the Treatment of Enlarged Tonsils and Adenoids, Catarrhal and Throat Affections.
Claims use since Oct. 1, 1924.

Ser. No. 203,291. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE CLIFFORD REID, Los Angeles, Calif. Filed Oct. 2, 1924.

Hollywood

MOTION PICTURE MAGAZINE

The words "Motion Picture Magazine" are disclaimed apart from the mark claimed.
Particular description of goods.—Weekly Magazine.
Claims use since Aug. 25, 1924.

Ser. No. 203,295. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & Co. Inc., New York, N. Y. Filed Oct. 2, 1924.

Telopica

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Sept. 19, 1924.

Ser. No. 203,299. (CLASS 37. PAPER AND STATIONERY.) THE CROOKS-DITTMAR Co., Williamsport, Pa. Filed Oct. 2, 1924.

CROMAR

Particular description of goods.—Waterproof Paper.
Claims use since on or about July 1, 1924.

Ser. No. 203,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEEN, ROBINSON & COMPANY, LIMITED, London, England. Filed Oct. 2, 1924.

ALMATA

Particular description of goods.—Food for Infants and Invalids.
Claims use since Dec. 8, 1921.

Ser. No. 203,322. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES JOSEPH MATTEI, doing business as The Noxage Laboratories Company, Denver, Colo. Filed Oct. 2, 1924.

NOXAGE

Particular description of goods.—Gland Tablets.
Claims use since June 2, 1924.

Ser. No. 203,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMS HEBE, INC., New York, N. Y. Filed Oct. 2, 1924.

Hebe

Particular description of goods.—Talcum and Face Powders.
Claims use since about Aug. 18, 1924.

Ser. No. 203,340. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Oct. 2, 1924.

Casmoor

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 28, 1924.

Ser. No. 203,344. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & Co. Inc., New York, N. Y. Filed Oct. 2, 1924.

TOP HOLE

The lining of drawing is for shading only.
Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 203,354. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) V. VIVAUDOU, Inc., New York, N. Y. Filed Oct. 2, 1924.

NARCISSE DECHINE

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishers, Deodorizing Preparations, and Sachet Powders.
Claims use since Feb. 23, 1923.

Ser. No. 203,364. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BEAST-FORSTER-DIXFIELD COMPANY, Dixfield, Me., and New York, N. Y. Filed Oct. 3, 1924.

B-F-D

Particular description of goods.—Toothpicks.
Claims use since October, 1923.

Ser. No. 203,368. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CENTURY CORK CO., New York, N. Y. Filed Oct. 3, 1924.



Particular description of goods.—Corks for Stoppering Bottles and the Like.
Claims use since June 1, 1908.

Ser. No. 203,375. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FRIES & FRIES COMPANY, Cincinnati, Ohio. Filed Oct. 3, 1924.



Particular description of goods.—Rubbing Alcohol.
Claims use since Aug. 28, 1924.

Ser. No. 203,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. HELLER & COMPANY, Chicago, Ill. Filed Oct. 3, 1924.

COA-SAUCE

Applicant disclaims any exclusive right to the word "Sauce" except when used in the manner shown in drawing.

Particular description of goods.—Cocoa Sauce in Dry Powder Form for Use in Pastries, Ice Cream, and Other Food Products and as a Topping for Ice-Cream Sodas, Ice-Cream Sundaes, and Ice Cream.

Claims use since Aug. 1, 1924.

Ser. No. 203,400. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Oct. 4, 1924.

Crepe Medici

No claim is made to the word "Crepe" apart from the mark as shown.

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece, Comprised in Whole or in Part of Silk.

Claims use since Sept. 27, 1924.

Ser. No. 203,402. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORONA CHEMICAL COMPANY, Inc., New York, N. Y. Filed Oct. 4, 1924.

SHEBAN

Particular description of goods.—Reducing Salts.
Claims use since Aug. 15, 1923.

Ser. No. 203,407. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) S. S. FRETZ, Jr. & Co., Philadelphia, Pa. Filed Oct. 4, 1924.



Particular description of goods.—Nipples Made from Brass, Steel, or Iron Pipe.
Claims use since January, 1920.

Ser. No. 203,408. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) S. S. FRETZ, Jr. & Co., Philadelphia, Pa. Filed Oct. 4, 1924.



Particular description of goods.—Nipples Made from Brass, Steel, or Iron Pipe.
Claims use since Sept. 1, 1924.

Ser. No. 203,428. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL Co., Jersey City, N. J. Filed Oct. 4, 1924.

TARTRAZOLE

Particular description of goods.—Product for Producing a Scroop or Rustling Effect on Silk, Cotton, and Artificial Silk.

Claims use since January, 1918.

Ser. No. 203,431. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL Co., Jersey City, N. J. Filed Oct. 4, 1924.

"DECERESENE"

Particular description of goods.—Product for Use in Connection with the Removal of Ceresin Gum from Silk.
Claims use since January, 1918.

Ser. No. 203,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL Co., Jersey City, N. J. Filed Oct. 4, 1924.

"TETRAKIEROL"

Particular description of goods.—Product to be Used in Kier Boiling for the Removal of Starches, Wax, and Dirt from Cotton, Producing a Soft White Even Fiber or Fabric.

Claims use since November, 1921.

Ser. No. 203,433. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL Co., Jersey City, N. J. Filed Oct. 4, 1924.

"A TRAPOL"

Particular description of goods.—Product in Liquid Form to Produce a Soft or Mellow Effect on All Fiber.
Claims use since July, 1919.

Ser. No. 203,448. (CLASS 39. CLOTHING.) VOORHEES SALES COMPANY, Inc., New York, N. Y. Filed Oct. 4, 1924.



Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1924.

Ser. No. 203,456. (CLASS 39. CLOTHING.) DESMOND CLOTHING Co., Los Angeles, Calif. Filed Oct. 6, 1924.

DUNINGHAM

Particular description of goods.—Men's Suits and Overcoats.
Claims use since May 28, 1924.

Ser. No. 203,465. (CLASS 17. TOBACCO PRODUCTS.) DICK GIBSON, Miami, Okla. Filed Oct. 6, 1924.



Particular description of goods.—Cigars.
Claims use since Nov. 12, 1923.

Ser. No. 203,469. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HOFMANN ENGINEERING Co., Chicago, Ill. Filed Oct. 6, 1924.



Particular description of goods.—Liquid-Fuel Burners or Heaters.
Claims use since Sept. 29, 1924.

Ser. No. 203,483. (CLASS 17. TOBACCO PRODUCTS.) PARSONS & SCOVILLE COMPANY, Evansville, Ind. Filed Oct. 6, 1924.



Particular description of goods.—Cigars.
Claims use since 1906.

Ser. No. 203,491. (CLASS 17. TOBACCO PRODUCTS.) TRIESTE-TOSCANI CIGAR Co., San Francisco, Calif. Filed Oct. 6, 1924.



Particular description of goods.—Cigars.
Claims use since July 15, 1924.

Ser. No. 203,501. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELSIE M. WRIGHTSON, doing business as "S. O. S." Game Company, Mobile, Ala. Filed Oct. 6, 1924.



Particular description of goods.—Card Games.
Claims use since Aug. 16, 1924.

Ser. No. 203,536. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM BANCROFT, doing business as F. J. Bancroft Company, Pawtucket, R. I. Filed Oct. 8, 1924. Under ten-year proviso.

F. J. BANCROFT
PAWTUCKET
R. I.

Particular description of goods.—Tennis Rackets.
Claims use since 1884.

Ser. No. 203,557. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BEHR & HIRTENSTEIN, New York, N. Y. Filed Oct. 8, 1924.

Aerial

Trade-mark consists of the word "Aerial."
Particular description of goods.—Celluloid Ornaments—Namely, Barrettes, Combs, Hairpins, Clasps, Buckles, and Bracelets.
Claims use since Aug. 1, 1924.

Ser. No. 203,560. (CLASS 39. CLOTHING.) L. DINKELSPIEL Co., Inc., San Francisco, Calif. Filed Oct. 8, 1924.

ELDECO

Particular description of goods.—Hosiery; Men's, Women's, and Children's Underwear of Knitted and Textile Fabrics; Negligee Shirts, Golf Shirts, and Sleeping Garments Commercially Known as Nightshirts.
Claims use since January, 1921.

Ser. No. 203,512. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HENRY HOTZE & SONS COMPANY, St. Louis, Mo. Filed Oct. 8, 1924.



Particular description of goods.—Golf Bags.
Claims use since 1923.

Ser. No. 203,577. (CLASS 39. CLOTHING.) KOPS BROS. INC., New York, N. Y. Filed Oct. 8, 1924.

POROSETTE

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since Sept. 26, 1924.

Ser. No. 203,593. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

PRINCETTE

Trade-mark consists of the word "Princette."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since July 17, 1924.

Ser. No. 203,595. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

BOLOSSY

Trade-mark consists of the word "Bolossy."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Aug. 2, 1924.

Ser. No. 203,597. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

MEDORA

Trade-mark consists of the word "Medora."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since June 27, 1924.

Ser. No. 203,599. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

TIMBALENE

Trade-mark consists of the word "Timbalene."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Aug. 7, 1924.

Ser. No. 203,601. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

BOKARA

Trade-mark consists of the word "Bokara."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since June 27, 1924.

Ser. No. 203,603. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

KAROLA

Trade-mark consists of the word "Karola."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Aug. 8, 1924.

Ser. No. 203,614. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. ALTMAN & Co., New York, N. Y. Filed Oct. 9, 1924.

"FIRMHAIR"

Particular description of goods.—Hair Nets.
Claims use since Sept. 29, 1924.

Ser. No. 203,617. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOC., (U. S. A.), Bradford, R. I. Filed Oct. 9, 1924.

Bradsrunk

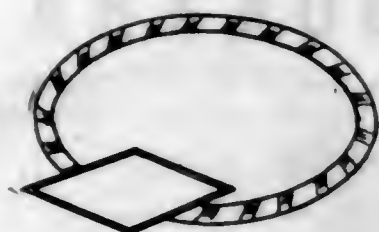
Trade-mark consists of the word "Bradsrunk."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Aug. 19, 1924.

Ser. No. 203,619. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CROWE DRUG Co. INC., doing business as Nodan Laboratories, Stuttgart, Ark. Filed Oct. 9, 1924.

NODAN

Trade-mark consists of the word "Nodan."
Particular description of goods.—Treatment for Dan-druff.
Claims use since Jan. 10, 1923.

Ser. No. 203,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Oct. 9, 1924.



Particular description of goods.—Hair Dye.
Claims use since Mar. 31, 1924.

Ser. No. 203,634. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Oct. 9, 1924.



Particular description of goods.—Hair Dye.
Claims use since Mar. 31, 1924.

Ser. No. 203,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EST. HENRY C. MINER, INC., New York, N. Y. Filed Oct. 9, 1924.



Particular description of goods.—Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Oils, Rouges, Eyebrow and Eyelash Growers, Eyedrops, Face Bleaches, Face Packs, Hair Salves, Hand Lotions, Hair Elixirs, Luxury Bath Salts, Lip Sticks, Obesity Creams, Obesity Astringents, Rusmas, Refreshing Creams, Rose Tints, Skin Lotions, Shampoos, Talcum Powders, and Witch-Hazel Salves.
Claims use since Oct. 26, 1923.

Ser. No. 203,638. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAUDE H. MAIN, doing business as The Dab Co., New York, N. Y. Filed Oct. 9, 1924.

DAB

Trade-mark consists of the word "Dab."
Particular description of goods.—Antiseptic Healing Powder.
Claims use since Oct. 4, 1924.

Ser. No. 203,649. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed Oct. 9, 1924.

CARDENITE

Particular description of goods.—Insecticidal Composition and Insect Repellent and Preventive.
Claims use since May 13, 1924.

Ser. No. 203,682. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KARGO MANUFACTURING CO., Los Angeles, Calif. Filed Oct. 10, 1924.

KARGO

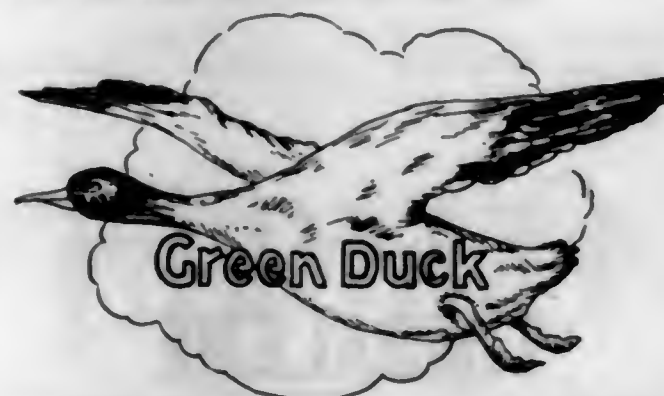
Particular description of goods.—Motor-Fuel Ingredient.
Claims use since January, 1916.

Ser. No. 203,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLIFFORD E. WARD, South Portland, Me. Filed Oct. 10, 1924.

MAINE-SPEED

Particular description of goods.—Carbon Eliminator and Gas Accelerator.
Claims use since Sept. 1, 1924.

Ser. No. 203,707. (CLASS 2. RECEPTACLES.) THE ALLIED BELTING COMPANY, Greenville, Ohio. Filed Oct. 11, 1924.



Particular description of goods.—News Bags.
Claims use since June 1, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 18, 1924.

191,684. NONALCOHOLIC, NONCEREAL, MALTLESS SIRUP SOLD AS A FLAVORING FOR SOFT DRINKS. SALVATOR PENNY, Pallsades Park, N. J. Filed March 30, 1921. Serial No. 145,474. PUBLISHED SEPTEMBER 2, 1924.

191,685. POLISH FOR WOODWORK, HOUSEHOLD FURNITURE, AND AUTOMOBILES. BRAN U AUTO POLISH CO., Los Angeles, Calif. Filed September 12, 1921. Serial No. 152,828. PUBLISHED MARCH 25, 1924.

191,686. LACQUERS, THINNERS FOR LACQUERS, AND LACQUER ENAMELS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed December 13, 1921. Serial No. 156,625. PUBLISHED JANUARY 8, 1924.

191,687. WATER PAINTS AND WALL COATINGS OF THE NATURE OF CALCIMINES. ALABASTINE COMPANY, Grand Rapids, Mich. Filed September 2, 1922. Serial No. 168,995. PUBLISHED MARCH 20, 1923.

191,688. LACQUERS, LACQUER THINNERS, AND LACQUER ENAMELS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed April 16, 1923. Serial No. 179,156. PUBLISHED JULY 10, 1923.

191,689. LADIES' AND MISSES' SUITS. JOHN WANAMAKER, New York, New York, N. Y. Filed April 27, 1923. Serial No. 179,837. PUBLISHED AUGUST 26, 1924.

191,690. BUREAUS, CHIFFONNIERS, CHIFFORETTES, CHIFFOROBES, VANITIES, DRESSING TABLES, NIGHT TABLES, BEDSTEDS, DINING ROOM CHAIRS, BEDROOM CHAIRS, BUFFETS, CHINA CLOSETS, SERVING TABLES, EXTENSION TABLES, AND ROCKING CHAIRS. THE BAGBY FURNITURE COMPANY, doing business as The Standard Furniture Manufacturing Company, Baltimore, Md. Filed May 17, 1923. Serial No. 180,737. PUBLISHED AUGUST 26, 1924.

191,691. WOOLENS AND WORSTEDS IN THE PIECE. BLAKE & STEARNS, Boston, Mass. Filed May 21, 1923. Serial No. 180,920. PUBLISHED AUGUST 26, 1924.

191,692. NONALCOHOLIC, MALTLESS SOFT DRINK. CLIVE ARTHUR HENNINGER, doing business as Gin-O-Pep Company, Shamokin, Pa. Filed May 25, 1923. Serial No. 181,117. PUBLISHED SEPTEMBER 2, 1924.

191,693. FOLDING WALL TABLES, KITCHEN TABLES, PASTRY TABLES, AND JUVENILE FURNITURE—NAMESLY, TABLES AND CHAIRS MADE WHOLLY OR PARTLY OF ENAMELED STEEL. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1923. Serial No. 182,785. PUBLISHED AUGUST 26, 1924.

191,694. POLISH AND SPECIFICALLY METAL POLISH. AMERICAN METAL POLISH CO., Somerville, Mass. Filed August 1, 1923. Serial No. 183,900. PUBLISHED AUGUST 26, 1924.

191,695. SEED POTATOES. MACK BOUCHARD & SON, Caribou, Me. Filed September 7, 1923. Serial No. 185,406. PUBLISHED SEPTEMBER 2, 1924.

191,696. LEATHER, SATIN, AND FELT SLIPPERS. MAID-RITE CORPORATION, Brooklyn, N. Y. Filed November 22, 1923. Serial No. 188,686. PUBLISHED AUGUST 26, 1924.

191,697. LAMP SHADES OF SILK AND OTHER CLOTH. LEE-MARION COMPANY, Chicago, Ill. Filed January 26, 1924. Serial No. 191,330. PUBLISHED SEPTEMBER 2, 1924.

191,698. SOAP. SWIFT AND COMPANY, Chicago, Ill. Filed February 14, 1924. Serial No. 192,284. PUBLISHED AUGUST 26, 1924.

191,699. SILK FABRICS AND ARTIFICIAL SILK KNITTED IN THE PIECE. PROGRESSIVE KNITTING WORKS, INC., Brooklyn, N. Y. Filed February 18, 1924. Serial No. 192,496. PUBLISHED SEPTEMBER 2, 1924.

191,700. PUBLICATION PUBLISHED PERIODICALLY AT IRREGULAR INTERVALS. CALIFORNIA ALMOND GROWERS EXCHANGE, San Francisco, Calif. Filed February 27, 1924. Serial No. 192,894. PUBLISHED AUGUST 26, 1924.

191,701. SHOTGUNS, RIFLES, AND PISTOLS AND PARTS THEREOF. J. P. SAUER & SOHN, Suhl, Germany. Filed February 27, 1924. Serial No. 192,928. PUBLISHED AUGUST 26, 1924.

191,702. PAPER SHOT SHELLS AND METAL CARTRIDGES. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed March 1, 1924. Serial No. 193,147. PUBLISHED SEPTEMBER 2, 1924.

191,703. PRINTED CARDS. DON F. MATSON, doing business as The Don F. Matson Company, Monessen, Pa. Filed March 22, 1924. Serial No. 194,280. PUBLISHED AUGUST 26, 1924.

191,704. HOSIERY. COLONIAL KNITTING MILLS, INC., Philadelphia, Pa. Filed June 16, 1924. Serial No. 198,620. PUBLISHED AUGUST 26, 1924.

191,705. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. THE CLIVER-WRIGHT-RAINEY CO., Cincinnati, Ohio. Filed June 16, 1924. Serial No. 198,619. PUBLISHED AUGUST 26, 1924.

191,706. CHILDREN'S DRESSES. GRAYONA NEEDLE-CRAFT CORPORATION, New York, N. Y. Filed June 14, 1924. Serial No. 198,569. PUBLISHED AUGUST 26, 1924.

191,707. PUBLICATIONS—NAMESLY, CATALOGUES ISSUED MONTHLY AND ANNUALLY. MOORE & EVANS, Chicago, Ill. Filed June 13, 1924. Serial No. 198,531. PUBLISHED AUGUST 26, 1924.

191,708. DRESS SHIELDS. R-K SHIELD CO., Chicago, Ill. Filed June 12, 1924. Serial No. 198,478. PUBLISHED AUGUST 26, 1924.

191,709. PUFFED ELASTIC. THE NICHOLS MFG. CO., Bridgeport, Conn. Filed June 12, 1924. Serial No. 198,467. PUBLISHED AUGUST 26, 1924.

191,710. RUBBER AND COMPOSITION SOLES AND HEELS. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed June 11, 1924. Serial No. 198,404. PUBLISHED AUGUST 26, 1924.

191,711. NEWSPAPER AND PERIODICAL WRITINGS. WM. J. F. DAILEY, New York, N. Y.
Filed June 11, 1924. Serial No. 198,401. PUBLISHED AUGUST 26, 1924.

191,712. TITLE OF A MONTHLY PUBLICATION. ARMSTRONG-KILBOURNE, INC., Minneapolis, Minn.
Filed June 9, 1924. Serial No. 198,279. PUBLISHED AUGUST 26, 1924.

191,713. CORSETS. R & G CORSET COMPANY, INC., New York, N. Y.
Filed June 7, 1924. Serial No. 198,250. PUBLISHED AUGUST 26, 1924.

191,714. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,009. PUBLISHED AUGUST 26, 1924.

191,715. CLEANING FLUID FOR GLASS. CONSOLIDATED SPECIALTIES COMPANY, New Bedford, Mass.
Filed May 31, 1924. Serial No. 197,867. PUBLISHED AUGUST 26, 1924.

191,716. CLEANSER IN GRANULAR FORM FOR GENERAL WASHING PURPOSES. WHIRLPOOL PRODUCTS INC., Philadelphia, Pa.
Filed May 24, 1924. Serial No. 197,574. PUBLISHED AUGUST 26, 1924.

191,717. CABINETS ADAPTED TO CONTAIN A STOVE, COOKING UTENSILS, FOOD SUPPLIES, AND TO PROVIDE TABLE SURFACES FOR DINING, IRONING, AND OTHER PURPOSES. THE ADVANCE APPLIANCE COMPANY, Waterloo, Iowa.
Filed May 24, 1924. Serial No. 197,526. PUBLISHED AUGUST 26, 1924.

191,718. LINEN AND COTTON GOODS IN THE PIECE. A. W. ARENTSEN & Co., Chicago, Ill.
Filed May 22, 1924. Serial No. 197,408. PUBLISHED AUGUST 26, 1924.

191,719. PREPARATION FOR CLEANING AND POLISHING FALSE TEETH, DENTAL TEETH PLATES, AND DENTAL BRIDGEWORK. THE L. D. CAULK COMPANY, Milford, Del.
Filed May 20, 1924. Serial No. 197,324. PUBLISHED AUGUST 26, 1924.

191,720. WEEKLY PUBLICATION. PETROLEUM PUBLISHING COMPANY, Tulsa, Okla.
Filed May 14, 1924. Serial No. 197,044. PUBLISHED AUGUST 26, 1924.

191,721. MOTOR FUEL OILS. WALTER J. KEENAN, Cincinnati, Ohio.
Filed May 10, 1924. Serial No. 196,872. PUBLISHED JULY 22, 1924.

191,722. SHOT SHELLS AND CARTRIDGES. FEDERAL CARTRIDGE CORP., Minneapolis, Minn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut.
Filed April 9, 1924. Serial No. 195,225. PUBLISHED SEPTEMBER 2, 1924.

191,723. CLEANING AND POLISHING SOAP. CARPENTER-LEDDIN Co., New York, N. Y.
Filed April 9, 1924. Serial No. 195,211. PUBLISHED AUGUST 26, 1924.

191,724. TOOTHBRUSHES. THE PENSILAR COMPANY, Detroit, Mich.
Filed July 28, 1924. Serial No. 200,637. PUBLISHED SEPTEMBER 2, 1924.

191,725. KNITTED UNDERWEAR, SWEATER COATS, BATHING SUITS, AND HOSIERY FOR MEN, WOMEN, AND CHILDREN. MEN'S AND BOYS' DRESS SHIRTS, WORK SHIRTS, AND FLANNEL OUTFIT SHIRTS, PYJAMAS, AND NIGHTSHIRTS. SCHULTZ-ROSKY-BLOCK Co., Chicago, Ill.
Filed June 16, 1924. Serial No. 198,684. PUBLISHED AUGUST 26, 1924.

191,726. COTTON PIECE GOODS. EVERETT MILLS, Lawrence and Boston, Mass.
Filed July 22, 1924. Serial No. 200,354. PUBLISHED SEPTEMBER 2, 1924.

191,727. MIXED PAINT AND PAINT PASTE. THE NEW JERSEY ZINC COMPANY, Newark and Franklin Borough, N. J.
Filed July 19, 1924. Serial No. 200,275. PUBLISHED SEPTEMBER 2, 1924.

191,728. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 19, 1924. Serial No. 200,243. PUBLISHED SEPTEMBER 2, 1924.

191,729. CANDY. GEORGE J. MUELLER, INC., Washington, D. C.
Filed July 18, 1924. Serial No. 200,217. PUBLISHED SEPTEMBER 2, 1924.

191,730. TOY TELEPHONES. THE STEEL STAMPING COMPANY, Lorain, Ohio.
Filed July 16, 1924. Serial No. 200,125. PUBLISHED SEPTEMBER 2, 1924.

191,731. GOLF BALLS. KINESTHETIC PROCESS CO., INC., Long Island City, N. Y.
Filed July 14, 1924. Serial No. 199,996. PUBLISHED SEPTEMBER 2, 1924.

191,732. MOPS AND BROOMS. JEROME LUKINOVICH, New Orleans, La.
Filed July 10, 1924. Serial No. 199,843. PUBLISHED SEPTEMBER 2, 1924.

191,733. FRESH DECIDUOUS FRUITS. C. B. WILLIAMS, doing business as C. B. Williams Company, San Francisco, Calif.
Filed July 8, 1924. Serial No. 199,766. PUBLISHED SEPTEMBER 2, 1924.

191,734. CHOCOLATES, BONBONS, AND ALL OTHER KINDS OF CANDIES. COLVIN'S CONFECTIONERY, Los Angeles, Calif.
Filed July 19, 1924. Serial No. 200,247. PUBLISHED SEPTEMBER 2, 1924.

191,735. CANNED FRUITS AND CANNED VEGETABLES. FILICE & PERRELLI CANNING COMPANY, INC., Gilroy, Calif.
Filed July 8, 1924. Serial No. 199,746. PUBLISHED SEPTEMBER 2, 1924.

191,736. HOSIERY. LEVI STRAUSS AND COMPANY, San Francisco, Calif.
Filed April 2, 1924. Serial No. 194,887. PUBLISHED SEPTEMBER 2, 1924.

191,737. POLISHES FOR AUTOMOBILES, FURNITURE, AND FLOORS. MAISONITE COMPANY, Cleveland, Ohio.
Filed June 30, 1924. Serial No. 199,367. PUBLISHED SEPTEMBER 2, 1924.

191,738. CANNED SHRIMP. BLUM & BERGERON, Houma, La.
Filed June 30, 1924. Serial No. 199,341. PUBLISHED SEPTEMBER 2, 1924.

191,739. FLOOR WAX. HERBERT F. STAPLES, doing business as H. F. Staples & Co., Medford, Mass.
Filed June 27, 1924. Serial No. 199,262. PUBLISHED SEPTEMBER 2, 1924.

191,740. PAINTS IN LIQUID OR READY-MIXED AND PASTE FORMS AND PAINT ENAMELS. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed June 25, 1924. Serial No. 199,134. PUBLISHED SEPTEMBER 2, 1924.

191,741. VARNISH STAIN (COLORED VARNISH). W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed June 25, 1924. Serial No. 199,120. PUBLISHED SEPTEMBER 2, 1924.

191,742. CANDY. HARDIE BROTHERS CO., Pittsburgh, Pa.
Filed June 24, 1924. Serial No. 199,061. PUBLISHED SEPTEMBER 2, 1924.

191,743. FRESH CITROUS FRUITS—NAMESLY, FRESH ORANGES. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif.
Filed June 24, 1924. Serial No. 199,054. PUBLISHED SEPTEMBER 2, 1924.

191,744. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed June 24, 1924. Serial No. 199,039. PUBLISHED SEPTEMBER 2, 1924.

191,745. TOY JEWELRY. MABEL C. DUTY, doing business as Magic Jewelry Company, Cleveland, Ohio.
Filed June 21, 1924. Serial No. 198,939. PUBLISHED SEPTEMBER 2, 1924.

191,746. CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, CANNED OYSTERS, CANNED PORK AND BEANS, CANNED CLAMS, CANNED HOMINY, AND CANNED MIXTURES OF TWO OR MORE OF THE FOREGOING COMMODITIES. THE W. H. KILIAN Co., Baltimore, Md.
Filed June 19, 1924. Serial No. 198,806. PUBLISHED SEPTEMBER 2, 1924.

191,747. PARLOR GAME PLAYED WITH PIECES IN THE MANNER ANALOGOUS TO CHECKERS. JAMES G. PITTON, Denver, Colo.
Filed June 12, 1924. Serial No. 198,472. PUBLISHED SEPTEMBER 2, 1924.

191,748. MOTHPROOF GARMENT BAGS. THE WHITE TAR COMPANY, New York, N. Y.
Filed June 6, 1924. Serial No. 198,203. PUBLISHED SEPTEMBER 2, 1924.

191,749. MATCHES. OSAKEYHTIÖ SAVO, LTD., Kuopio, Finland.
Filed June 4, 1924. Serial No. 198,084. PUBLISHED SEPTEMBER 2, 1924.

191,750. CANNED CORN. 'BIG STONE' CANNING CO., Ortonville, Minn.
Filed June 2, 1924. Serial No. 197,921. PUBLISHED SEPTEMBER 2, 1924.

191,751. BRUSHES OF EVERY TYPE MADE OF HAIR, FIBER, METAL, WOOL, OR COTTON. SHANE & HAYS, Brooklyn, N. Y.
Filed May 29, 1924. Serial No. 197,837. PUBLISHED SEPTEMBER 2, 1924.

191,752. LEATHER OILS, GREASES, SOAPS, AND DETERGENTS. DYESTUFFS CORPORATION OF AMERICA, Boston, Mass.
Filed May 26, 1924. Serial No. 197,589. PUBLISHED AUGUST 12, 1924.

191,753. CERTAIN NAMED TEXTILE FABRICS. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J.
Filed May 15, 1924. Serial No. 197,108. PUBLISHED JULY 22, 1924.

191,754. OXIDE OF ANTIMONY AND CHEMICAL COMPOUNDS AND MIXTURES MADE THEREFROM FOR USE IN THE MANUFACTURE OF PAINT, ENAMEL, POTTERY, GLASS, AND THE LIKE INCLUDING OPACIFYING AGENTS, CRUDE ENAMELS, GLAZES, PIGMENTS, AND LIKE ARTICLES. COOKSON & Co. LD., Newcastle-on-Tyne, England.
Filed May 6, 1924. Serial No. 196,649. PUBLISHED SEPTEMBER 2, 1924.

191,755. COCONUT CANDY. THE MAPLE DELL CANDY COMPANY, Columbus, Ohio.
Filed May 1, 1924. Serial No. 196,395. PUBLISHED SEPTEMBER 2, 1924.

191,756. SOLID COOKING OR SHORTENING COMPOUND COMPOSED OF VEGETABLES OR NUT OIL. HIGGINS MANUFACTURING COMPANY, Providence, R. I.
Filed April 29, 1924. Serial No. 196,298. PUBLISHED SEPTEMBER 2, 1924.

191,757. PRESERVED DECIDUOUS AND CITROUS FRUITS CUT IN CUBE FORM. CROWN FRUIT & EXTRACT CO. INC., New York, N. Y.
Filed April 21, 1924. Serial No. 195,869. PUBLISHED SEPTEMBER 2, 1924.

191,758. PARTLY-FINISHED AND IN THE WHITE. WOODEN GOLF HEADS, GOLF DOWELS, GOLF SHAFTS, GOLF SQUARES, BASEBALL - BAT BLANKS, BASEBALL BATS, GOLF-STICK-PARTS TURNINGS, BASEBALL-BAT TURNINGS, GOLF-STICK-PARTS DIMENSIONS, AND BASEBALL-BAT DIMENSIONS. GOLF SHAFT AND BLOCK COMPANY, Memphis, Tenn.
Filed April 10, 1924. Serial No. 195,280. PUBLISHED SEPTEMBER 2, 1924.

191,759. FRESH GRAPES. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif.
Filed March 29, 1924. Serial No. 194,671. PUBLISHED SEPTEMBER 2, 1924.

191,760. INTERIOR AND EXTERIOR HOUSE PAINT, ROOF PAINTS, PAINT THINNERS, COLORS IN JAPAN, CEMENT-WATERPROOFING PAINT, CEMENT PAINTS, FLOOR WAX, PASTE PAINT, PAINT ENAMELS, WALL PAINT, COLORS IN OIL, PASTE PAINT FILLERS, CEMENT-SEALER PAINT, AND ROOF CEMENT PAINT. SUNSET PAINT COMPANY, Los Angeles, Calif.
Filed March 11, 1924. Serial No. 193,637. PUBLISHED AUGUST 26, 1924.

191,761. WOOL AND FIBER KNITTED DRESSES AND KNITTED SWEATERS. F. & Z. KNITTING MILLS, INC., New York, N. Y.
Filed March 11, 1924. Serial No. 193,580. PUBLISHED JUNE 24, 1924.

191,762. LIQUID WAX FOR CLEANING AND POLISHING FLOORS, FURNITURE, AND STAINED WOODWORK. THE CLEN-SO COMPANY, Shreveport, La.
Filed March 11, 1924. Serial No. 193,574. PUBLISHED SEPTEMBER 2, 1924.

191,763. SMOKING AND CHEWING TOBACCO AND CIGARETTES. THE PINKERTON TOBACCO CO., Toledo, Ohio.
Filed March 3, 1924. Serial No. 193,190. PUBLISHED SEPTEMBER 2, 1924.

191,764. CHOCOLATE-COATED CANDY. BISHOP & COMPANY, Los Angeles, Calif.
Filed January 14, 1924. Serial No. 190,756. PUBLISHED SEPTEMBER 2, 1924.

191,765. HAMS. OMAHA PACKING COMPANY, Chicago, Ill.
Filed December 22, 1923. Serial No. 190,027. PUBLISHED SEPTEMBER 2, 1924.

191,766. COASTER RUNWAY SLIDES FOR CHILDREN. MEIER GEORGE HILPERT, Bethlehem, Pa.
Filed November 26, 1923. Serial No. 188,905. PUBLISHED SEPTEMBER 2, 1924.

191,767. CANDY. TRU-BLU BISCUIT COMPANY, also doing business as Krause's, Spokane, Wash.
Filed August 25, 1923. Serial No. 184,997. PUBLISHED SEPTEMBER 2, 1924.

191,768. DRY PAINT, PAINT IN THE FORM OF A PASTE, AND READY-MIXED PAINT, VARNISHES IN A LIQUID FORM READY FOR USE, PAINT OILS, LINSEED OIL, AND TURPENTINE. DAVID BERNHARDT PAINT COMPANY, LTD., New Orleans, La.
Filed June 9, 1923. Serial No. 181,720. PUBLISHED AUGUST 26, 1924.

191,769. LONG-TERM AND INSTALLMENT BONDS. THE JONATHAN H. WINTERS COMPANY, Dayton, Ohio.
Filed May 7, 1923. Serial No. 180,314. PUBLISHED SEPTEMBER 11, 1923.

191,770. LINEN PIECE GOODS. HERBERT B. LEDERER CORP., New York, N. Y.
Filed April 27, 1923. Serial No. 179,803. PUBLISHED SEPTEMBER 2, 1924.

191,771. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,730. PUBLISHED SEPTEMBER 2, 1924.

191,772. PREPARATION IN THE FORM OF A LIQUID OR SEMILIQUID PASTE, FOR CLEANING AND POLISHING JEWELRY; GOLD, SILVER, AND PLATED WARE; MIRRORS, AND PLATE GLASS. RAND & CRANE, INC., Boston, Mass.
Filed May 3, 1923. Serial No. 180,141. PUBLISHED AUGUST 21, 1923.

191,773. CERTAIN NAMED FLOOR AND WALL COVERINGS. THE PETROLENE CO., Whiting, Ind.
Filed December 1, 1922. Serial No. 172,762. PUBLISHED SEPTEMBER 2, 1924.

191,774. WOOLEN CLOTHS IN THE PIECE INTENDED FOR SUITINGS, ETC. S. STEIN & CO., New York, N. Y.
Filed May 24, 1922. Serial No. 164,460. PUBLISHED SEPTEMBER 2, 1924.

191,775. ICE CREAM AND ICE CREAM COATED WITH CHOCOLATE. ANDERSON & BATTERSON, Worcester, Mass.
Filed March 4, 1922. Serial No. 160,179. PUBLISHED SEPTEMBER 2, 1924.

191,776. GENERAL LUBRICANTS AND GASOLINE, KEROSENE, AND NAPHTHA. J. ALEX. DINGWALL, Jr., New York, N. Y.
Filed February 13, 1922. Serial No. 159,246. PUBLISHED AUGUST 26, 1924.

191,777. MEN'S SUITS AND OVERCOATS AND WOMEN'S OVERCOATS. SCHEYER & CO., Chicago, Ill.
Filed June 16, 1924. Serial No. 198,683. PUBLISHED AUGUST 26, 1924.

191,778. HOSIERY AND NECKTIES. T. P. McCUTCHEON & BRO., INCORPORATED, Philadelphia, Pa.
Filed June 17, 1924. Serial No. 198,718. PUBLISHED AUGUST 26, 1924.

191,779. TAR AND GREASE REMOVER AND CLEANER. JOHN L. HINKLEY, doing business as KayO Manufacturing Co., Poughkeepsie, N. Y.
Filed June 20, 1924. Serial No. 198,873. PUBLISHED AUGUST 26, 1924.

191,780. COUPLERS FOR CIRCUITS OF WIRELESS RECEIVING APPARATUS. STEPHAN A. DAVIS, doing business as Davis Electric Co., Springfield, Ohio.
Filed June 23, 1924. Serial No. 198,990. PUBLISHED AUGUST 26, 1924.

191,781. NONALCOHOLIC, MALTLESS SIRUPS USED IN THE PREPARATION OF SOFT DRINKS. THE KONRAD SCHREIER CO., Sheboygan, Wis.
Filed June 27, 1924. Serial No. 199,231. PUBLISHED SEPTEMBER 2, 1924.

191,782. CERTAIN NAMED FABRICS. HACKER PLEATING CO. INC., New York, N. Y.
Filed June 28, 1924. Serial No. 199,284. PUBLISHED AUGUST 26, 1924.

191,783. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,523. PUBLISHED AUGUST 26, 1924.

191,784. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,525. PUBLISHED AUGUST 26, 1924.

191,785. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,528. PUBLISHED AUGUST 26, 1924.

191,786. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSO. (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,530. PUBLISHED AUGUST 26, 1924.

191,787. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,532. PUBLISHED AUGUST 26, 1924.

191,788. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,533. PUBLISHED AUGUST 26, 1924.

191,789. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,535. PUBLISHED AUGUST 26, 1924.

191,790. COTTON PIECE GOODS. TRIPPE, BARKER & CO., New York, N. Y.
Filed July 3, 1924. Serial No. 199,588. PUBLISHED AUGUST 26, 1924.

191,791. CERTAIN NAMED PIECE GOODS. E. H. BEHRENS & CO. INC., New York, N. Y.
Filed July 5, 1924. Serial No. 199,602. PUBLISHED AUGUST 26, 1924.

191,792. WOOLENS AND WORSTEDS IN THE PIECE. BLAKE & STEARNS, Boston, Mass.
Filed July 7, 1924. Serial No. 199,671. PUBLISHED AUGUST 26, 1924.

191,793. BICYCLES, TRICYCLES, AND VELOCIPEDS. GUARANTY CYCLE COMPANY, St. Louis, Mo.
Filed July 7, 1924. Serial No. 199,694. PUBLISHED SEPTEMBER 2, 1924.

191,794. SILK AND WOOL PIECE GOODS. EDWARD BLOOM CO. INC., New York, N. Y.
Filed July 11, 1924. Serial No. 199,875. PUBLISHED AUGUST 26, 1924.

191,795. ARTICLES MADE OF NATURAL CORK, OF CORK PARTICLES, AND OF CORK COMPOSITION. L. MUNDET & SON, INC., Brooklyn, N. Y.
Filed July 12, 1924. Serial No. 199,950. PUBLISHED AUGUST 26, 1924.

191,796. CHILDREN'S SAFETY HARNESS. FRANK H. BARNHART, Fostoria, Ohio.
Filed December 5, 1921. Serial No. 156,256. PUBLISHED SEPTEMBER 2, 1924.

191,797. CAKE, ICE CREAM, AND BREAD. JOE LOWE CO. INC., Brooklyn, N. Y.
Filed March 27, 1923. Serial No. 178,108. PUBLISHED SEPTEMBER 2, 1924.

191,798. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. ALFRED DUNHILL OF LONDON, INC., New York, N. Y.
Filed April 17, 1923. Serial No. 179,264. PUBLISHED SEPTEMBER 2, 1924.

191,799. MEN'S, WOMEN'S, MISSES' AND GIRLS' SPORT COATS, SPORT SUITS, RIDING HABITS, RIDING BREECHES, KNICKERS, KNICKER SUITS, GOLF SUITS, AND JACKETS. SIDNEY BAUMGARTEN, doing business as Sidney Baumgarten Co., Chicago, Ill.
Filed January 19, 1924. Serial No. 199,995. PUBLISHED JUNE 17, 1924.

191,800. GAME PLAYED AFTER THE MANNER OF DOMINOES. BETTY PRODUCTS COMPANY, Hartford, Conn.
Filed February 15, 1924. Serial No. 192,302. PUBLISHED SEPTEMBER 9, 1924.

191,801. HOSIERY FOR CHILDREN AND INFANTS. NICHOLSON-FEINBERG, INC., New York, N. Y.
Filed March 18, 1924. Serial No. 194,018. PUBLISHED SEPTEMBER 2, 1924.

191,802. WOMEN'S COMBINATION UNDERGARMENTS COMPRISING BLOOMERS AND BRASSIERES. BELLE JOHNSON, Boston, Mass.
Filed March 24, 1924. Serial No. 194,352. PUBLISHED SEPTEMBER 2, 1924.

191,803. BAGS, TRUNKS, SUITCASES, ATTACHE CASES, CARD CASES, WALLETS, ALL BEING GOODS MADE OF LEATHER OR PRINCIPALLY OF LEATHER, AND BOXES AND TRUNKS. JIGGER, LIMITED, London, England.
Filed April 4, 1924. Serial No. 195,002. PUBLISHED SEPTEMBER 2, 1924.

191,804. CLOTHING—VIZ, OVERCOATS, SUITS, AND SEPARATE ITEMS THEREOF—VIZ, COATS, VESTS, AND PANTS—FOR BOYS, INCLUDING THE LINES KNOWN AS STUDENTS, HIGH-SCHOOL CADETS, JUNIORS, AND YOUTHS. JOHN J. KALISHER, New York, N. Y.
Filed April 30, 1924. Serial No. 196,343. PUBLISHED SEPTEMBER 2, 1924.

191,805. DRESSES. G. N. C. MANUFACTURING COMPANY, New York, N. Y.
Filed May 1, 1924. Serial No. 196,383. PUBLISHED SEPTEMBER 2, 1924.

191,806. LADIES' COATS. HARRY KITZINGER, doing business as Harry Kitzinger & Company, New York, N. Y.
Filed May 14, 1924. Serial No. 197,031. PUBLISHED SEPTEMBER 2, 1924.

191,807. WHEAT FLOUR. CLEVELAND MILLING CO., Cleveland, Tenn.
Filed May 17, 1924. Serial No. 197,188. PUBLISHED SEPTEMBER 2, 1924.

191,808. DRESSES FOR WOMEN, MISSES, AND CHILDREN. J. M. GIDDING & CO., INCORPORATED, New York, N. Y.
Filed May 22, 1924. Serial No. 197,429. PUBLISHED SEPTEMBER 2, 1924.

191,809. ELASTIC WEBBING. CONANT, HOUGHTON & CO. INC., New York, N. Y.
Filed May 23, 1924. Serial No. 197,469. PUBLISHED AUGUST 5, 1924.

191,810. PAINTS OF ALL KINDS, STAINS, VARNISHES, AND PAINT ENAMELS. THE WARREN COMPANY, Atlanta, Ga.
Filed May 24, 1924. Serial No. 197,572. PUBLISHED SEPTEMBER 2, 1924.

191,811. MEN'S NEGLIGEE AND DRESS SHIRTS AND COLLARS. EARL & WILSON, Troy, N. Y.
Filed May 28, 1924. Serial No. 197,728. PUBLISHED SEPTEMBER 2, 1924.

191,812. MEN'S NEGLIGEE AND DRESS SHIRTS AND COLLARS. EARL & WILSON, Troy, N. Y.
Filed May 28, 1924. Serial No. 197,731. PUBLISHED SEPTEMBER 2, 1924.

191,813. PERIODICAL AT PRESENT ISSUED BI-WEEKLY. THE OHIO STATE UNIVERSITY, Columbus, Ohio.
Filed May 28, 1924. Serial No. 197,768. PUBLISHED AUGUST 19, 1924.

191,814. FRESH TOMATOES. TUCKER & SIMMONS, Ocala, Fla.
Filed June 2, 1924. Serial No. 197,970. PUBLISHED SEPTEMBER 9, 1924.

191,815. TIES, CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,063. PUBLISHED SEPTEMBER 2, 1924.

191,816. RICE. STANDARD RICE COMPANY, INC., Houston, Tex.
Filed June 4, 1924. Serial No. 198,091. PUBLISHED SEPTEMBER 9, 1924.

191,817. CHOCOLATE. ELINE'S INCORPORATED, Milwaukee, Wis.
Filed June 9, 1924. Serial No. 198,296. PUBLISHED SEPTEMBER 9, 1924.

191,818. CHOCOLATE. ELINE'S INCORPORATED, Milwaukee, Wis.
Filed June 9, 1924. Serial No. 198,297. PUBLISHED SEPTEMBER 9, 1924.

191,819. FRESH DECIDUOUS FRUITS. H. W. MILLER & L. P. MILLER, Paw Paw, W. Va.
Filed June 16, 1924. Serial No. 198,662. PUBLISHED SEPTEMBER 9, 1924.

191,820. ROASTED PEANUTS IN PACKAGE AND BULK AND SALTED PEANUTS IN PACKAGE AND BULK. H. A. ROBINSON COMPANY, INC., Lynchburg, Va.
Filed June 16, 1924. Serial No. 198,681. PUBLISHED SEPTEMBER 9, 1924.

191,821. WHEAT SHORTS. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed June 18, 1924. Serial No. 198,754. PUBLISHED SEPTEMBER 2, 1924.

191,822. RESILIENT VEHICLE TIRES AND INNER TUBES OF RUBBER OR RUBBER AND FABRIC. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed June 20, 1924. Serial No. 198,876. PUBLISHED AUGUST 12, 1924.

191,823. RESILIENT VEHICLE TIRES AND INNER TUBES OF RUBBER OR RUBBER AND FABRIC. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed June 20, 1924. Serial No. 198,877. PUBLISHED AUGUST 12, 1924.

191,824. CHEESE. HENRY SCARAMELLI, INC., New York, N. Y.
Filed June 26, 1924. Serial No. 199,185. PUBLISHED SEPTEMBER 2, 1924.

191,825. ANIMAL FEEDS. WALTER W. PAYNE, Huntington, W. Va.
Filed June 27, 1924. Serial No. 199,242. PUBLISHED SEPTEMBER 9, 1924.

191,826. METAL CHANNEL IRON, METAL STUD-DING, METAL BEARING STRIPS, AND THE LIKE. THE YOUNGSTOWN PRESSED STEEL COMPANY, Warren, Ohio.
Filed June 27, 1924. Serial No. 199,272. PUBLISHED AUGUST 19, 1924.

191,827. FRESH MUSHROOMS. LOUIS LESCABOTRA, Athens, N. Y.
Filed June 28, 1924. Serial No. 199,287. PUBLISHED SEPTEMBER 2, 1924.

191,828. POULTRY FEED. EDDIE MILL & ELEVATOR CO., Oklahoma City, Okla.
Filed July 2, 1924. Serial No. 199,465. PUBLISHED SEPTEMBER 9, 1924.

191,829. FINE AND COARSE GROUND CORN PRODUCTS—NAMELY, CORN MEAL. STANARD TILTON MILLING CO., St. Louis, Mo.
Filed July 3, 1924. Serial No. 199,577. PUBLISHED SEPTEMBER 9, 1924.

191,830. FINE AND COARSE GROUND CORN PRODUCTS—NAMELY, CORN MEAL, CORN CHOPS, CORNCOB MEAL, AND GRITS. STANARD TILTON MILLING CO., St. Louis, Mo.
Filed July 3, 1924. Serial No. 199,578. PUBLISHED SEPTEMBER 9, 1924.

191,831. CULTURES FOR MAKING STARTER IN THE MANUFACTURE OF BUTTERMILK, BUTTER, SOUR CREAM, AND CHEESE. THE DAIRY LABORATORIES, Philadelphia, Pa.
Filed July 5, 1924. Serial No. 199,609. PUBLISHED SEPTEMBER 9, 1924.

191,832. CHOCOLATE-FLAVORED MALTED FOOD PREPARATION. RUNKEL BROTHERS, INC., New York, N. Y.
Filed July 5, 1924. Serial No. 199,647. PUBLISHED SEPTEMBER 9, 1924.

191,833. MALT EXTRACT FOR FOOD PURPOSES. BLATZ PRODUCTS COMPANY, Milwaukee, Wis.
Filed July 7, 1924. Serial No. 199,672. PUBLISHED SEPTEMBER 9, 1924.

- 191,834. HANDKERCHIEFS. THE L. & R. COMPANY, Providence, R. I.
Filed July 16, 1924. Serial No. 200,109. PUBLISHED SEPTEMBER 2, 1924.
- 191,835. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed July 14, 1924. Serial No. 199,992. PUBLISHED SEPTEMBER 2, 1924.
- 191,836. MEDICINAL TONIC FOR RELIEF OF DYSPEPSIA, INDIGESTION, RHEUMATISM, HEART TROUBLE, CONSTIPATION, AND KIDNEY AND BLADDER AILMENTS. ADOLPH NELSON GARNER, doing business as King Mfg. Co., St. Louis, Mo.
Filed July 9, 1924. Serial No. 199,778. PUBLISHED SEPTEMBER 2, 1924.
- 191,837. POLISHING COMPOUND OR DRESSING FOR AUTOMOBILE BODIES. WILLMORE LABORATORY, St. Louis, Mo.
Filed June 24, 1924. Serial No. 199,101. PUBLISHED SEPTEMBER 2, 1924.
- 191,838. CONFECTIONS AND FOOD PRODUCTS—NAMESLY, CHOCOLATE OR CANDY COATED PASTRY CONTAINERS FOR ICE CREAM AND OTHER FOOD PRODUCTS. CHOCO-ICE COMPANY, Chicago, Ill.
Filed June 16, 1924. Serial No. 198,618. PUBLISHED AUGUST 26, 1924.
- 191,839. CONFECTIONS AND FOOD PRODUCTS—NAMESLY, CHOCOLATE OR CANDY COATED PASTRY CONTAINERS FOR ICE CREAM AND OTHER FOOD PRODUCTS. CHOCO-ICE COMPANY, Chicago, Ill.
Filed June 16, 1924. Serial No. 198,617. PUBLISHED AUGUST 26, 1924.
- 191,840. WELTING FOR BOOTS AND SHOES. BARBOUR WELTING COMPANY, Brockton, Mass.
Filed June 14, 1924. Serial No. 198,556. PUBLISHED AUGUST 26, 1924.
- 191,841. MEN'S OVERCOATS, TOPCOATS, AND SUITS AND WOMEN'S CLOAKS, COATS, AND SUITS. SIR CHARLES SYKES & SONS, LIMITED, Netherdale, Galashiels, Scotland.
Filed June 10, 1924. Serial No. 198,386. PUBLISHED SEPTEMBER 2, 1924.
- 191,842. WORK SHIRTS. SALANT & SALANT INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,774. PUBLISHED SEPTEMBER 2, 1924.
- 191,843. WORK SHIRTS. SALANT & SALANT INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,773. PUBLISHED SEPTEMBER 2, 1924.
- 191,844. WOMEN'S AND CHILDREN'S OUTER WEAR—NAMESLY, DRESSES, SWEATERS, JUMPERS, SUITS, GOWNS, AND COATS. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LTD., New York, N. Y.
Filed June 6, 1924. Serial No. 198,167. PUBLISHED SEPTEMBER 2, 1924.
- 191,845. AUTOMOBILE POLISH AND FINISH. FAX MANUFACTURING CO., Long Island City, N. Y.
Filed June 5, 1924. Serial No. 198,129. PUBLISHED SEPTEMBER 2, 1924.
- 191,846. NEWSPAPER SECTION. PREMIER SYNDICATE, Inc., New York, N. Y.
Filed June 4, 1924. Serial No. 198,086. PUBLISHED AUGUST 5, 1924.
- 191,847. HOSIERY; UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, OF KNITTED AND WOVEN TEXTILE FABRICS; AND SWEATERS. WILLIAM R. MOORE DRY GOODS COMPANY, Memphis, Tenn.
Filed June 3, 1924. Serial No. 198,022. PUBLISHED SEPTEMBER 2, 1924.
- 191,848. POLISHES FOR AUTOMOBILE BODIES, FURNITURE, PIANOS, INTERIOR WOODWORK, AND OTHER VARNISHED SURFACES. SUPER-LESTRE PRODUCTS COMPANY, Brooklyn, N. Y.
Filed June 2, 1924. Serial No. 197,946. PUBLISHED SEPTEMBER 2, 1924.
- 191,849. MEN'S DRESS SHIRTS. IRVING A. FRANKEL, doing business as Prudential Shirt Company, New York, N. Y.
Filed May 31, 1924. Serial No. 197,873. PUBLISHED SEPTEMBER 2, 1924.
- 191,850. LADIES' OUTER CLOAKS AND SUITS. BRENNER BROS., New York, N. Y.
Filed May 29, 1924. Serial No. 197,799. PUBLISHED SEPTEMBER 2, 1924.
- 191,851. CONTAINERS OF PAPER AND SIMILAR MATERIALS WHICH HAVE BEEN CHEMICALLY TREATED FOR SHIPPING AND STORING FOOD PRODUCTS AND SIMILAR ARTICLES. CORRECT CONTAINER CO., Cincinnati, Ohio.
Filed Jan. 13, 1923. Serial No. 174,561. PUBLISHED SEPTEMBER 9, 1924.
- 191,852. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 27, 1923. Serial No. 179,797. PUBLISHED JUNE 24, 1924.
- 191,853. CERTAIN NAMED GAMES AND TOYS. THE DEARBORN COMPANY, Chicago, Ill.
Filed June 27, 1923. Serial No. 182,500. PUBLISHED SEPTEMBER 9, 1924.
- 191,854. FRESH CANTALOUPE, LETTUCE, AND GRAPES. WILL S. FAWCETT, El Centro, Calif.
Filed August 20, 1923. Serial No. 184,717. PUBLISHED SEPTEMBER 9, 1924.
- 191,855. CHILDREN'S WAGONS, SCOOTERS, AND CARS. HUNT, HELM, FERRIS & CO., Harvard, Ill.
Filed December 17, 1923. Serial No. 189,787. PUBLISHED SEPTEMBER 9, 1924.
- 191,856. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND EXTRACTS FOR MAKING THE SAME. WINFRED H. HALFORD, doing business as Halford Co., Somerville, Mass.
Filed January 7, 1924. Serial No. 190,502. PUBLISHED SEPTEMBER 9, 1924.
- 191,857. RECEPTACLE DESIGNED FOR CONTAINING APPARATUS AND PARAPHERNALIA USED IN A GAME SIMILAR TO DOMINOES AND RACKS USED THEREWITH. ELI GUGGENHEIM, doing business as Character Case Company, Cincinnati, Ohio.
Filed February 20, 1924. Serial No. 192,570. PUBLISHED SEPTEMBER 9, 1924.
- 191,858. SWINGS. HEALTH SWING CO., INC., Seattle, Wash.
Filed April 26, 1924. Serial No. 196,163. PUBLISHED SEPTEMBER 9, 1924.
- 191,859. TEA. HOFFMANN-HAYMAN COFFEE CO., San Antonio, Tex.
Filed June 2, 1924. Serial No. 197,935. PUBLISHED SEPTEMBER 9, 1924.
- 191,860. SUGAR-WAFER BAR. INDEPENDENT BAKING COMPANY, Davenport, Iowa.
Filed June 2, 1924. Serial No. 197,939. PUBLISHED SEPTEMBER 9, 1924.
- 191,861. TOY BOXES FOR CIGARETTES AND MATCHES. FOREIGN MANUFACTURERS SALES CORPORATION, New York, N. Y.
Filed June 5, 1924. Serial No. 198,130. PUBLISHED SEPTEMBER 9, 1924.
- 191,862. COMBINED HAND AND NAIL TOILET BRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed June 21, 1924. Serial No. 198,976. PUBLISHED SEPTEMBER 9, 1924.
- 191,863. CHEWING GUM. THE UNDERWOOD-TALMAGE CO., Dayton, Ohio.
Filed June 30, 1924. Serial No. 199,407. PUBLISHED SEPTEMBER 9, 1924.
- 191,864. GAME OF CHINESE DOMINOES. SCORE CARDS THEREFOR, AND RULES AND INSTRUCTIONS FOR PLAYING THE GAME. THE EMBOSSEING COMPANY, Albany, N. Y.
Filed July 2, 1924. Serial No. 199,466. PUBLISHED SEPTEMBER 9, 1924.

- 191,865. CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO. VETTERLEIN BROTHERS INC., Philadelphia, Pa.
Filed July 26, 1924. Serial No. 200,588. PUBLISHED SEPTEMBER 9, 1924.
- 191,866. CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO. VETTERLEIN BROTHERS INC., Philadelphia, Pa.
Filed July 26, 1924. Serial No. 200,590. PUBLISHED SEPTEMBER 9, 1924.
- 191,867. COOKED TONGUE, COOKED MEAT ROLL, SAUSAGE, PICNICS, AND LUNCHEON TONGUE. SWIFT AND COMPANY, Chicago, Ill.
Filed July 31, 1924. Serial No. 200,783. PUBLISHED SEPTEMBER 9, 1924.
- 191,868. CERTAIN NAMED CANNED FOODS. E. R. GODFREY & SONS CO., Milwaukee, Wis.
Filed July 7, 1924. Serial No. 199,687. PUBLISHED SEPTEMBER 9, 1924.
- 191,869. CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, AND TOMATO CATCH-UP. H. G. PRINCE & CO., Fruitvale, Oakland, Calif.
Filed July 7, 1924. Serial No. 199,720. PUBLISHED SEPTEMBER 9, 1924.
- 191,870. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed July 14, 1924. Serial No. 199,991. PUBLISHED SEPTEMBER 2, 1924.
- 191,871. PANCAKE FLOUR. B. A. HOPKINS' SONS, Sedus, N. Y.
Filed July 21, 1924. Serial No. 200,319. PUBLISHED SEPTEMBER 9, 1924.
- 191,872. FRESH GRAPES. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif.
Filed July 22, 1924. Serial No. 200,374. PUBLISHED SEPTEMBER 9, 1924.
- 191,873. CANNED FRUITS AND CANNED VEGETABLES. HERBERT PACKING CO., INC., San Jose, Calif.
Filed July 24, 1924. Serial No. 200,444. PUBLISHED SEPTEMBER 9, 1924.
- 191,874. CREAMERY BUTTER. VALLEY BUTTER COMPANY, Pittsburgh, Pa.
Filed July 24, 1924. Serial No. 200,467. PUBLISHED SEPTEMBER 9, 1924.
- 191,875. CANNED VEGETABLES—NAMESLY, CANNED CORN. LAKE MILLS CANNING COMPANY, Lake Mills, Iowa.
Filed July 26, 1924. Serial No. 200,563. PUBLISHED SEPTEMBER 9, 1924.
- 191,876. GASOLINE AND DIESEL FUELS. GEORGE L. O'NEILL, Birmingham, Ala.
Filed July 12, 1924. Serial No. 196,913. PUBLISHED JULY 22, 1924.
- 191,877. MINERALIZED FEED. EARL RHINE, doing business as Oelwein Chemical Company, Oelwein, Iowa.
Filed May 8, 1924. Serial No. 196,763. PUBLISHED SEPTEMBER 2, 1924.
- 191,878. EGGS. GEO. E. CUTLER, New York, N. Y.
Filed May 8, 1924. Serial No. 196,728. PUBLISHED SEPTEMBER 9, 1924.
- 191,879. HORSE, DAIRY, AND SCRATCH FEED. SECURITY MILLS, Knoxville, Tenn.
Filed April 23, 1924. Serial No. 196,033. PUBLISHED SEPTEMBER 2, 1924.
- 191,880. LINSEED-OIL MEAL AND LINSEED-OIL CAKE. WILLIAM O. GOODRICH COMPANY, Milwaukee, Wis.
Filed April 19, 1924. Serial No. 195,819. PUBLISHED SEPTEMBER 9, 1924.
- 191,881. PACKINGS FOR THE WEARING AND BEARING PARTS OF MACHINES AND MECHANICAL DEVICES, BEING PACKINGS MADE OF COTTON YARN LUBRICATED WITH A GRAPHITE GREASE LUBRICANT. GREENE, TWEED & CO., New York, N. Y.
Filed April 4, 1924. Serial No. 194,996. PUBLISHED SEPTEMBER 2, 1924.
- 191,882. OVERSHOES. MAXFIELD & SONS, LIMITED, Northampton, England.
Filed March 27, 1924. Serial No. 194,559. PUBLISHED AUGUST 5, 1924.
- 191,883. CANNED VEGETABLES. APPELBY BROS., Fayetteville, Ark.
Filed March 22, 1924. Serial No. 194,242. PUBLISHED SEPTEMBER 9, 1924.
- 191,884. WHEAT FLOUR. CLEVELAND MILLING CO., Cleveland, Tenn.
Filed March 15, 1924. Serial No. 193,805. PUBLISHED SEPTEMBER 2, 1924.
- 191,885. CHEESE. LOWVILLE CHEESE COMPANY, Lowville, N. Y.
Filed December 14, 1923. Serial No. 189,683. PUBLISHED SEPTEMBER 2, 1924.
- 191,886. CHEESE. RICHARDSON & COMPANY, Lowville, N. Y.
Filed December 13, 1923. Serial No. 189,640. PUBLISHED SEPTEMBER 2, 1924.
- 191,887. CANDY. PETER PAUL CANDY MANUFACTURING COMPANY, INCORPORATED, Naugatuck, Conn.
Filed September 25, 1923. Serial No. 186,198. PUBLISHED SEPTEMBER 2, 1924.
- 191,888. HORSE AND MULE FEED AND COW FEED. WESTERN GRAIN COMPANY, Birmingham, Ala.
Filed July 11, 1923. Serial No. 183,992. PUBLISHED SEPTEMBER 2, 1924.
- 191,889. CANNED SALMON. BIRKS, CRAWFORD & LINDSAY, LTD., Vancouver, British Columbia, Canada.
Filed June 9, 1923. Serial No. 181,723. PUBLISHED SEPTEMBER 9, 1924.
- 191,890. SALAD OIL. THE PICKANINNY COMPANY, Baltimore, Md.
Filed May 19, 1923. Serial No. 180,886. PUBLISHED SEPTEMBER 2, 1924.
- 191,891. DURUM WHEAT FLOUR. WASHBURN-CROSBY COMPANY, Minneapolis, Minn.
Filed March 20, 1923. Serial No. 177,756. PUBLISHED SEPTEMBER 2, 1924.
- 191,892. CEREAL BREAKFAST FOOD. KELLOGG COMPANY, Battle Creek, Mich.
Filed March 19, 1923. Serial No. 177,676. PUBLISHED SEPTEMBER 2, 1924.
- 191,893. CATCHUP, CHILI SAUCE, PREPARED MUSTARD, COFFEE, FLAVORING EXTRACTS FOR FOOD PURPOSES, CANNED VEGETABLES, SALT FISH, JELLIES AND JAMS, JELLY POWDERS, STRAINED HONEY, MINCEMEAT, EVAPORATED MILK, OLIVES, PEANUT BUTTER, MAYONNAISE, CANNED SOUPS, SPICES, TEA, AND RICE. AUBURN MERCANTILE COMPANY, Auburn, N. Y.
Filed January 3, 1923. Serial No. 174,123. PUBLISHED SEPTEMBER 2, 1924.
- 191,894. POTATO CHIPS. GEORGE H. DENTLER, Houston, Tex.
Filed September 28, 1922. Serial No. 170,009. PUBLISHED SEPTEMBER 2, 1924.
- 191,895. FLOOR COVERINGS COMPOSED OF FIBROUS MATERIAL SATURATED OR COATED WITH A WATERPROOF SUBSTANCE. COTTA-LAP COMPANY, Somerville, N. J.
Filed June 28, 1922. Serial No. 166,170. PUBLISHED SEPTEMBER 2, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

191,896. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Filed Aug. 23, 1924. Serial No. 201,794.

Yukon

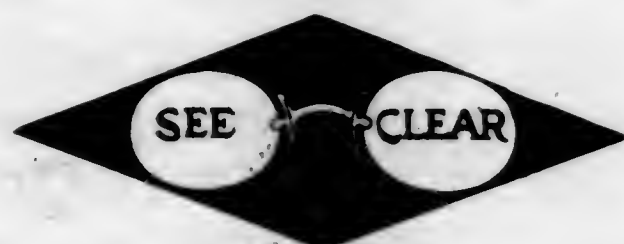
Particular description of goods.—Cotton Blankets.
Claims use since Mar. 2, 1921.

191,897. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE PARVAN CO., San Francisco, Calif. Filed July 26, 1923. Serial No. 183,719.

African Roulette

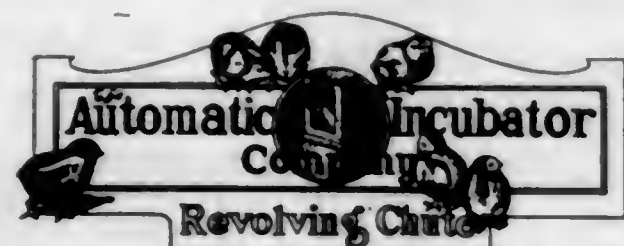
Particular description of goods.—Amusement Game Device Consisting of a Circular Disk Having Numbered Counters Thereon.
Claims use since April, 1923.

191,898. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SEE-CLEAR CO., Boston, Mass. Filed Nov. 8, 1923. Serial No. 188,138.



Particular description of goods.—Compound for Treating Transparent Matter Such as Glass, Celluloid, and the Like.
Claims use since Sept. 25, 1923.

191,899. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE AUTOMATIC INCUBATOR CO., Delaware, Ohio. Filed Sept. 29, 1924. Serial No. 203,158.



Particular description of goods.—Incubators and Brooders.
Claims use since 1914.

576

191,900. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PLYMPTON PAPER PRODUCTS CORP., Mount Vernon, N. Y. Filed Sept. 30, 1924. Serial No. 203,240.

"PULL-RITE"

Particular description of goods.—Milk-Bottle Caps.
Claims use since November, 1922.

191,901. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PITTSBURG WATER HEATER COMPANY, Pittsburgh, Pa. Filed Oct. 4, 1924. Serial No. 203,435.

Pittsburg

Particular description of goods.—Hot-Water Heaters and Hot-Water Storage Systems.
Claims use since 1907.

191,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Sept. 26, 1924. Serial No. 203,097.

Chemical Products Division

Particular description of goods.—Insecticide.
Claims use since May 17, 1923.

191,903. (CLASS 5. ADHESIVES.) NICHOLAS C. AMEN, doing business as Little Bear Specialties Company, Kansas City, Mo. Filed Sept. 2, 1924. Serial No. 202,090.



Particular description of goods.—Liquid Fabric Cement.
Claims use since Mar. 1, 1923.

NOVEMBER 18, 1924

U. S. PATENT OFFICE.

577

191,904. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEIGH CHEMIST, INC., New York, N. Y. Filed Aug. 18, 1924. Serial No. 201,500.

ORIENTAL SANDAL

Particular description of goods.—Soaps.
Claims use since Feb. 2, 1912.

191,905. (CLASS 39. CLOTHING.) HOPE KNITTING CO., INC., Cohoes, N. Y. Filed Aug. 11, 1924. Serial No. 201,239.

Tom Shine

Particular description of goods.—Sport or Sweater Coats for Men, Women, Boys, and Girls.
Claims use since May 11, 1921.

191,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. SPENCER PRODUCTS CORPORATION, Buffalo, N. Y. Filed July 28, 1924. Serial No. 200,646.



Al Usar



Después del Uso.



Particular description of goods.—Laundry Bluing Paddles.
Claims use since about July, 1922.

191,907. (CLASS 39. CLOTHING.) THE MALLORY HAT COMPANY, Danbury, Conn. Filed June 30, 1924. Serial No. 199,370.

GOLD MEDAL

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Feb. 15, 1919.

191,908. (CLASS 37. PAPER AND STATIONERY.) DANIELS MANUFACTURING COMPANY, Rhinelander, Wis. Filed June 23, 1924. Serial No. 198,989.

"Krinkle Krepe"

Particular description of goods.—Paper Napkins and Table Covers.
Claims use since on or about Jan. 1, 1915.

191,909. (CLASS 39. CLOTHING.) HYMAN ZUBRINSKY, doing business as Goodwear Millinery Co., Los Angeles, Calif. Filed Feb. 6, 1924. Serial No. 191,932.



Particular description of goods.—Ladies' Hats.
Claims use since Aug. 22, 1923.

191,910. (CLASS 39. CLOTHING.) PERFECT GARMENT CO., Baltimore, Md. Filed Dec. 31, 1923. Serial No. 190,313.

Billy Pierce

Particular description of goods.—Children's Dresses and Middy Blouses.
Claims use since Oct. 1, 1923.

191,911. (CLASS 7. CORDAGE.) JOHN A. SAUERMAN, Chicago, Ill. Filed Nov. 16, 1923. Serial No. 188,442.

SPECIAL EXCAVATOR

Particular description of goods.—Stranded Wire Cable.
Claims use since Feb. 21, 1920.

191,912. (CLASS 37. PAPER AND STATIONERY.) NEWTON FALLS PAPER COMPANY, Newton Falls and New York, N. Y. Filed Sept. 26, 1923. Serial No. 186,244.

**NEWTON FALLS
BOND**

Particular description of goods.—Bond and Ledger Paper.
Claims use since Sept. 8, 1923.

191,913. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROTHERS CORPORATION, Cambridge, Mass. Filed Aug. 9, 1923. Serial No. 184,274.

**STICK
Cleaner**

Particular description of goods.—Material for Cleaning and Restoring Articles Made of Suede, Nappy Leather, and Canvas.
Claims use since Feb. 1, 1923.

TRADE-MARK REGISTRATIONS RENEWED

25,249. KNIVES, RAZORS, AND SCISSORS. Registered October 16, 1894. F. A. KOCH & Co. Renewed October 16, 1924, to F. A. Koch & Co., New York, N. Y., a Corporation of New York, assignee.
25,375. A REMEDY FOR HEADACHE. Registered October 16, 1894. CHARLES C. HEARN, Quincy, Mass. Renewed October 16, 1924.
25,573. CIGARETTE WRAPPERS MADE OF WHEAT STRAW. Registered December 4, 1894. SOCIÉTÉ ANONYME D'EXPLOITATION DES PAPETERIES L. LACROIX FILS, Angoulême, France. Renewed December 4, 1924.
25,625. YARNS. Registered December 11, 1894. J. & J. BALDWIN. Renewed December 11, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,668. YARNS. Registered December 18, 1894. J. & J. BALDWIN. Renewed December 18, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,669. YARNS. Registered December 18, 1894. J. & J. BALDWIN. Renewed December 18, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,672. YARNS. Registered December 18, 1894. J. & J. BALDWIN. Renewed December 18, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,673. YARNS. Registered December 18, 1894. J. & J. BALDWIN. Renewed December 18, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,674. YARNS. Registered December 18, 1894. J. & J. BALDWIN. Renewed December 18, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,675. YARNS. Registered December 18, 1894. J. & J. BALDWIN. Renewed December 18, 1924, to Patons & Baldwins Limited, Halifax, England, assignee.
25,739. BOX FILES FOR HOLDING PAPERS. Registered December 23, 1894. WILLIAM A. COOKE, JR. Renewed December 23, 1924, to The Cooke & Cobb Company, Brooklyn, N. Y., assignee.

191,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH STEINER, doing business as La Perfecta Laboratories, New York, N. Y. Filed July 13, 1923. Serial No. 183,172.

LA-PERFECTA

Particular description of goods.—Corn Remedies.
Claims use since June 15, 1923.

191,915. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DUMOR PRODUCTS CO. INC., New Canaan, Conn. Filed June 1, 1923. Serial No. 181,438.

KOLKREAM

Particular description of goods.—Saponified Cold Cream.
Claims use since May 15, 1923.

191,916. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SANFORD RILEY STOKER COMPANY, Worcester, Mass. Filed May 28, 1923. Serial No. 181,315.

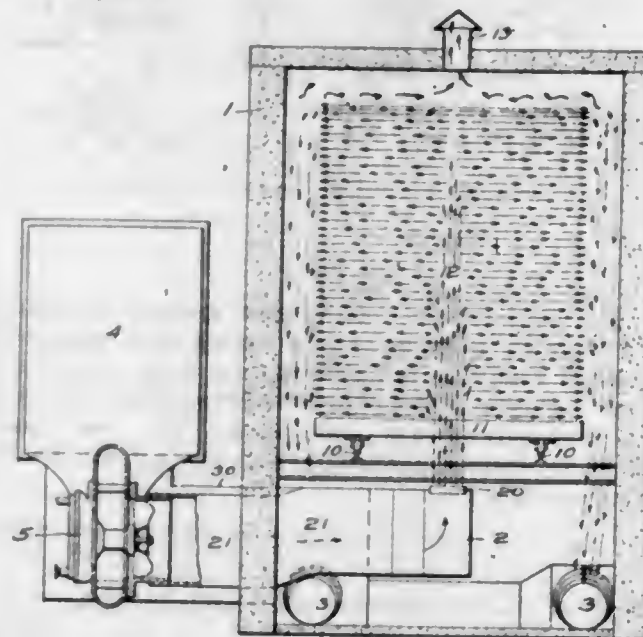
LATERAL RETORT

Particular description of goods.—Underfeed Stokers.
Claims use since Aug. 23, 1921.

REISSUES

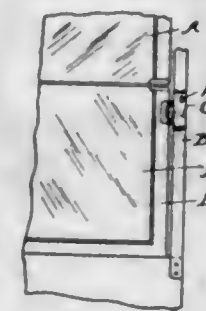
NOVEMBER 18, 1924.

15,946. METHOD AND APPARATUS FOR KILN DRYING. MORITZ L. MUELLER, Seattle, Wash., assignor to Northwest Blower Kiln Co., Seattle, Wash., a Corporation of Washington. Filed Aug. 12, 1924. Serial No. 731,677. Original No. 1,437,385, dated Nov. 28, 1922, Serial No. 486,282, filed July 20, 1921. 3 Claims. (Cl. 34—19.)



3. The herein described improvement in the art of drying lumber which consists of disposing the lumber substantially horizontally in a kiln with the pieces thereof in spaced relation to leave a plurality of air passages therebetween and introducing air to and withdrawing air from said passages in such manner as to set up a circulation of air between a point in substantial central alignment with the pile of lumber and spaced points disposed outwardly of the first named point and in substantial alignment with the sides of the pile of lumber, the incoming air acting after the manner of an injector, drawing into itself air from the main body of air within the kiln and air from the return streams so that some of the air is recirculated before passing from the kiln and materially more air is set in motion than is discharged into the kiln.

15,947. WINDSHIELD PIVOT MOUNTING. ALBERT T. POTTER, Detroit, Mich., assignor to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 10, 1924. Serial No. 698,269. Original No. 1,449,055, dated Mar. 20, 1923, Serial No. 449,800, filed Mar. 5, 1921. 4 Claims. (Cl. 296—92.)



1. In a windshield pivot mounting, the combination with a windshield and a supporting member therefor, of a sectional bearing carried by said supporting mem-

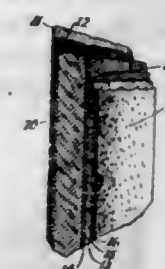
ber, a pivot member carried by said windshield and extending between the bearing sections, a rotatable member threaded into said supporting member and adapted to abut one section of said bearing, said bearing being movable with respect to said supporting member independently of said rotatable member, and means for adjusting said rotatable member to force a portion of one section of said bearing against said supporting member and to force one side of the other section against said supporting member whereby said pivot member will be non-rotatively clamped between both sections of said bearing member and said sectional bearing will be retained in adjusted position with respect to said supporting member.

15,948. ELECTRIC DROPLIGHT SHADE. HARRY P. SIMONDS, Washington, D. C. Filed June 3, 1924. Serial No. 717,068. Original No. 1,494,193, dated May 13, 1924, Serial No. 617,414, filed Feb. 6, 1923. 5 Claims. (Cl. 240—110.)



1. A shade holder of the class described having a body formed to receive and engage about a lamp socket provided with a switch key, said body having a slot in its side wall to permit the introduction of the lamp cord by sidewise movement of the body, and means on the body laterally of the slot and disposed to receive said switch key to permit rotative movement of the holder upon the socket.

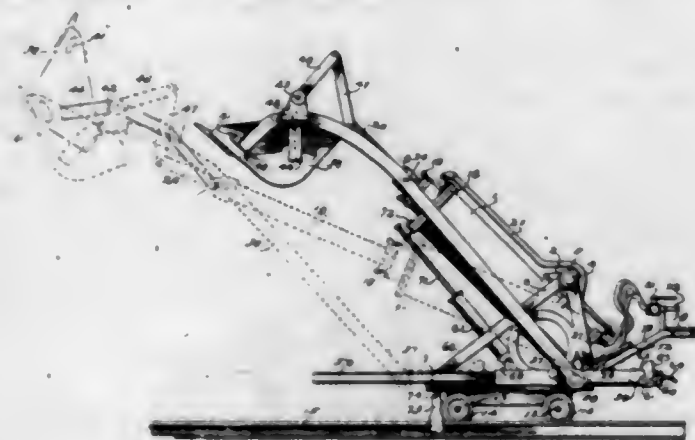
15,949. MATERIAL FOR BUILDING CONSTRUCTION. HENRY W. WHITE, New Orleans, La. Filed Aug. 23, 1922. Serial No. 583,927. Original No. 1,353,619, dated Sept. 21, 1920, Serial No. 360,092, filed Feb. 20, 1920. 5 Claims. (Cl. 154—45.9.)



3. A sheet material for building construction comprising, in combination, a major layer of waste fibrous material having its individual elements thinly coated with asphalt and adhering at their points of contact to provide a rigidity-giving, heat-insulating cellular mass, a backing layer adhering to and closing the cells

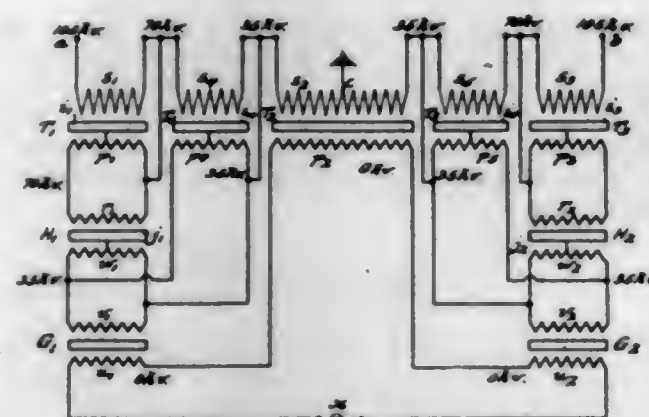
of said layer at one surface, a waterproof facing layer adhering to and closing the cells of said layer at its other surface and a layer of weather proof finishing material adhering to said surface layer.

15,950. MINE SHOVEL. ROBERT S. BUTLER, Joplin, Mo. Filed Oct. 13, 1924. Serial No. 743,504. Original No. 1,504,427, dated Aug. 12, 1924, Serial No. 416,175, filed Oct. 11, 1920. Renewed June 20, 1924. 18 Claims. (Cl. 214-140.)



1. A mine shovel comprising a cylinder, a pair of pistons mounted therein, piston rods secured to each of said pistons, and a pivotally mounted shovel connected to one of said rods to control its forward and rearward movement, the other piston rod being connected to said shovel to swing it on its pivot.

15,951. ELECTRICAL TRANSFORMER SYSTEM. FRIEDRICH DESSAUER, Frankfort-on-the-Main, Germany. Filed Mar. 21, 1923. Serial No. 626,708. Original No. 1,372,653, dated Mar. 22, 1921, Serial No. 246,405, filed July 23, 1918. 10 Claims. (Cl. 171-97.)

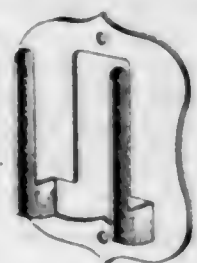


1. In a high tension transformer system, in combination, a plurality of transformers having high tension and low tension windings, the transformers being so connected that the voltages of the high tension windings are cumulative, and means for maintaining the low tension windings at desired potentials with respect to the high tension windings.

DESIGNS

NOVEMBER 18, 1924.

65,988. CURTAIN-ROD BRACKET. AARON ACKER, Ogdensburg, N. Y., assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y., a Corporation of Maine. Filed May 29, 1922. Serial No. 2,448. Term of patent 14 years.



The ornamental design for a curtain rod bracket as shown.

65,989. CURTAIN-ROD BRACKET. AARON ACKER, Ogdensburg, N. Y., assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y., a Corporation of Maine. Filed May 29, 1922. Serial No. 2,449. Term of patent 14 years.



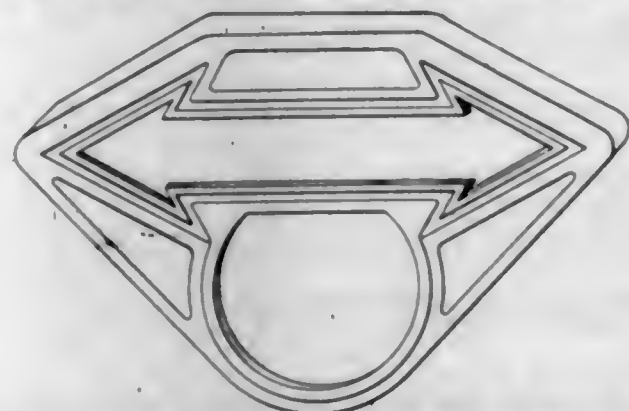
The ornamental design for a curtain rod bracket as shown.

65,990. LATHER BRUSH. ANDREW ALBRIGHT, Jr., Asbury Park, N. J. Filed Apr. 30, 1923. Serial No. 6,014. Term of patent 3 1/2 years.



The ornamental design for a lather brush, as shown.

65,991. FACEPLATE FOR SIGNAL LAMP. NEIL T. ALBRIGHT, Kokomo, Ind., assignor to Kokomo Automotive Mfg. Co., Kokomo, Ind., a Corporation. Filed Mar. 17, 1924. Serial No. 8,958. Term of patent 3 1/2 years.



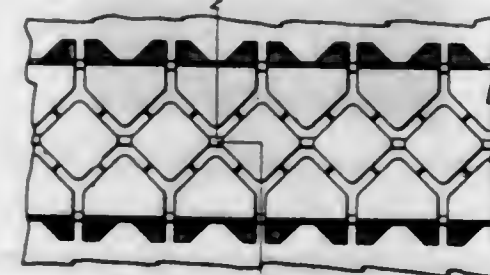
The ornamental design for a faceplate for signal lamp, as shown.

65,992. TUMBLER OR SIMILAR ARTICLE. OLIVER S. ATTERHOLT, Frostburg, Md. Filed Feb. 9, 1924. Serial No. 8,594. Term of patent 14 years.



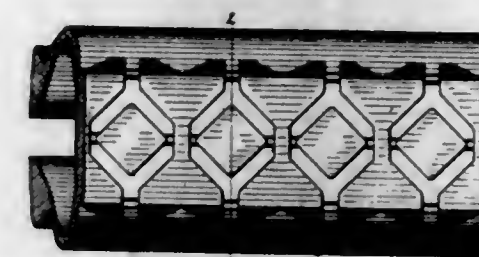
The ornamental design for a tumbler or similar article as shown.

65,993. TIRE TREAD. ALBERT E. CALDWELL, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1923. Serial No. 5,428. Term of patent 7 years.



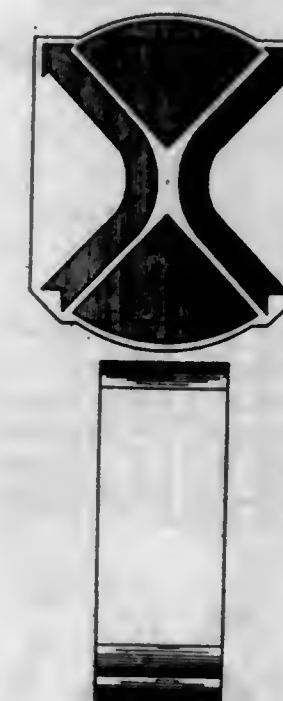
The ornamental design for a tire tread, as shown.

65,994. TIRE TREAD. ALBERT E. CALDWELL, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 18, 1923. Serial No. 7,539. Term of patent 7 years.



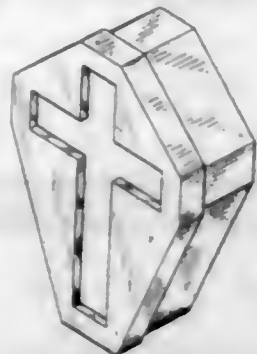
The ornamental design for a tire tread, as shown.

65,995. VEHICLE SIGNAL-LAMP CASING. FRED H. CHAN, San Francisco, Calif. Filed Aug. 21, 1924. Serial No. 10,510. Term of patent 7 years.



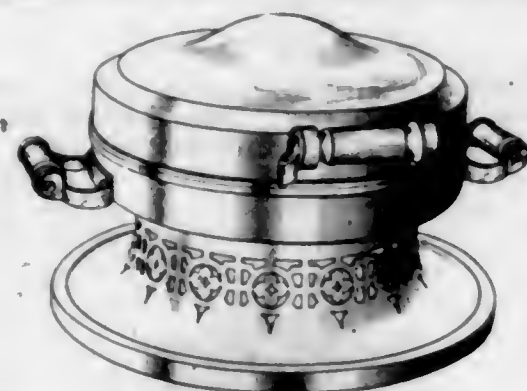
The ornamental design for a vehicle signal lamp casing, as shown.

65,996. AUTOMOBILE RADIATOR-CAP ORNAMENT. MILLARD T. CLARK, Dayton, Ohio. Filed July 23, 1923. Serial No. 6,829. Term of patent 3½ years.



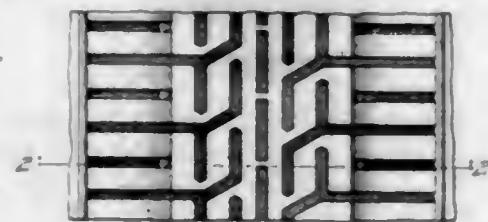
The ornamental design for an automobile radiator-cap ornament, as shown.

65,997. WAFFLE IRON. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary and Clark, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 21, 1923. Serial No. 5,887. Term of patent 14 years.



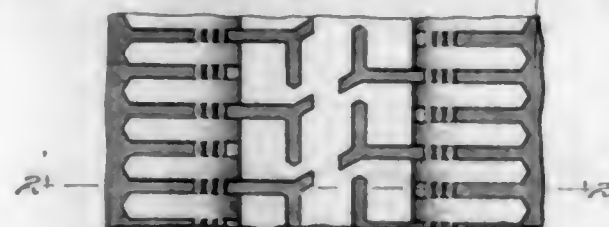
The ornamental design for a waffle iron as shown.

65,998. PNEUMATIC TIRE. LEWIS J. DE HOLCZER, Chicago, Ill. Filed Sept. 24, 1924. Serial No. 10,892. Term of patent 14 years.



The ornamental design for a pneumatic tire as shown.

65,999. PNEUMATIC TIRE. LEWIS J. DE HOLCZER, Chicago, Ill. Filed Sept. 24, 1924. Serial No. 10,893. Term of patent 14 years.



The ornamental design for a pneumatic tire, as shown.

66,000. WOMAN'S HAND BAG. FRANK L. DE PEDRO, Jersey City, N. J. Filed Sept. 25, 1924. Serial No. 10,896. Term of patent 14 years.



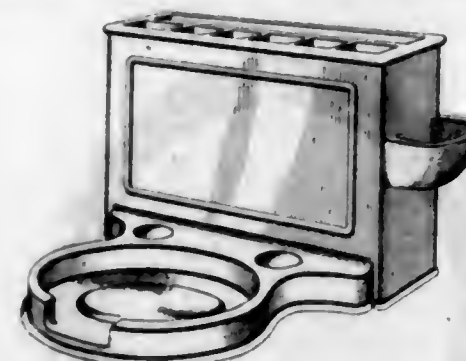
The ornamental design for a woman's hand bag, as shown.

66,001. CABINET FOR RADIO LOUD SPEAKER. WALTER L. ECKHARDT, Philadelphia, Pa., assignor to Music Master Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Sept. 18, 1924. Serial No. 10,823. Term of patent 7 years.



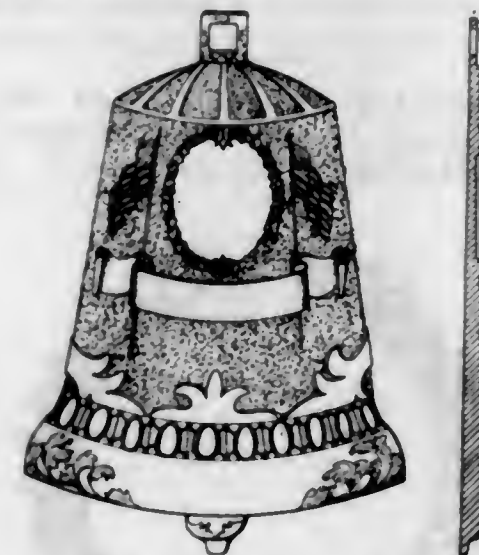
The ornamental design for a cabinet for radio loud speaker.

66,002. BARBER'S STAND. GUST GANALLIS, Detroit, Mich. Filed Apr. 13, 1923. Serial No. 5,812. Term of patent 14 years.



The ornamental design for a barber's stand, as shown.

66,003. BADGE. JOHN M. GARNSEY, Spokane, Wash. Filed Aug. 30, 1924. Serial No. 10,629. Term of patent 3½ years.



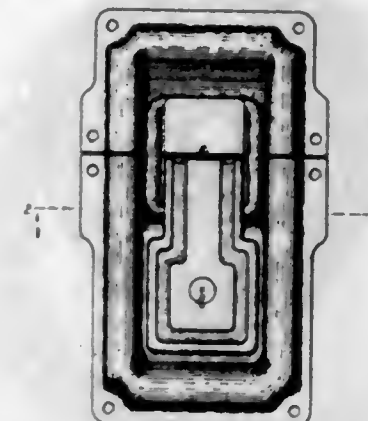
The ornamental design for a badge, as shown.

66,004. FINGER RING. EDWARD J. GROSS, South Orange, N. J., assignor to Meyer & Gross, a Corporation of New Jersey. Filed July 18, 1924. Serial No. 10,179. Term of patent 7 years.

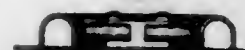


The ornamental design for a finger ring, as shown.

66,005. TRUNK LOCK. WILLIAM L. HAGEN, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 9, 1922. Serial No. 126. Term of patent 7 years.



The ornamental design for a trunk lock shown in the accompanying drawing.



66,006. STANDARD FOR A LIGHT SOURCE. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1924. Serial No. 10,820. Term of patent 14 years.



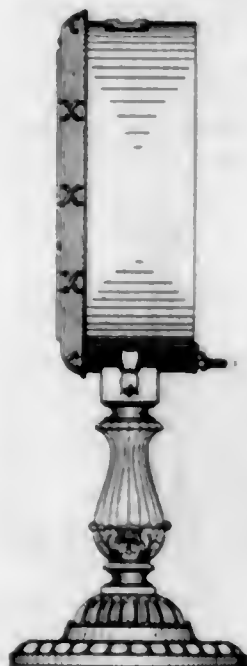
The ornamental design for a standard for a light source as shown.

66,007. HOLDER FOR VASES OR SIMILAR ARTICLES. SIGMUND HERBERT, New York, N. Y. Filed Apr. 19, 1923. Serial No. 5,854. Term of patent 3½ years.



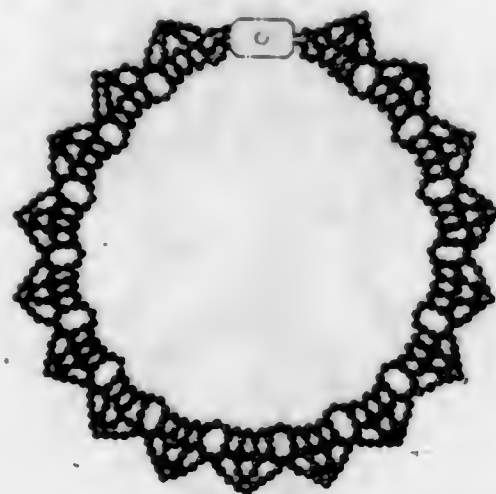
The ornamental design for a holder for vases or similar articles, substantially as shown.

66,008. HEATER. WALTER KENNEDY, Cliffside, N. J.
Filed May 23, 1923. Serial No. 6,250. Term of patent
3½ years.



The ornamental design for a heater as shown.

66,009. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 18, 1924. Serial No. 10,473. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,010. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 18, 1924. Serial No. 10,474. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,011. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 18, 1924. Serial No. 10,475. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,012. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 18, 1924. Serial No. 10,476. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,013. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 18, 1924. Serial No. 10,477. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,014. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 25, 1924. Serial No. 10,551. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,015. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 25, 1924. Serial No. 10,552. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,016. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 25, 1924. Serial No. 10,553. Term
of patent 14 years.



The ornamental design for a necklace, as shown.

66,017. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 25, 1924. Serial No. 10,554. Term
of patent 14 years.



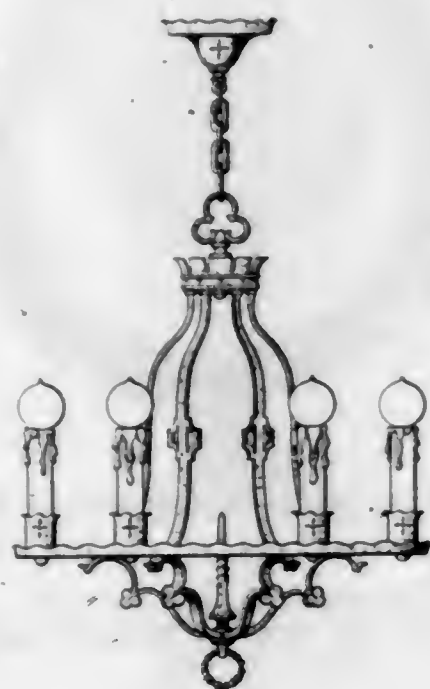
The ornamental design for a necklace, as shown.

66,018. NECKLACE. MARTIN A. KLEIN, New York,
N. Y. Filed Aug. 28, 1924. Serial No. 10,574. Term
of patent 14 years.



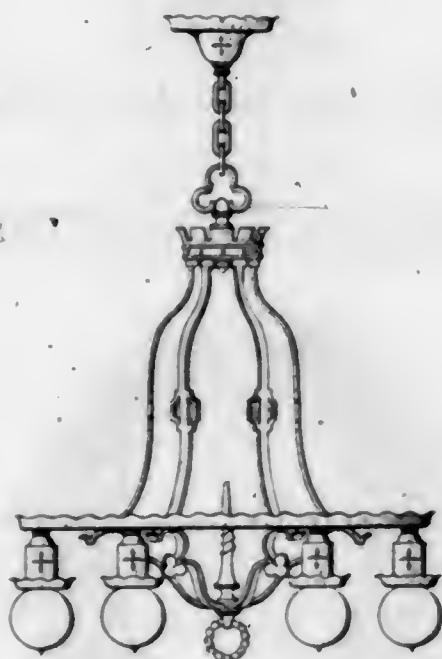
The ornamental design for a necklace, as shown.

66,019. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,603. Term of patent $3\frac{1}{2}$ years.



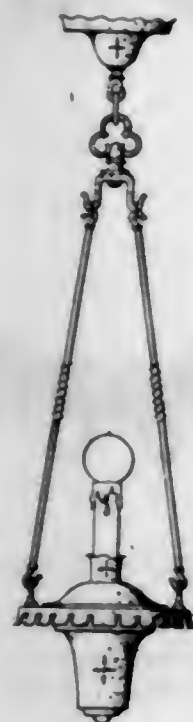
The ornamental design for a lighting fixture, as shown.

66,020. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,604. Term of patent $3\frac{1}{2}$ years.



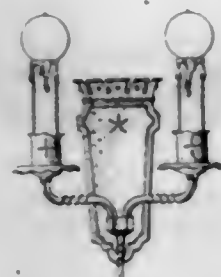
The ornamental design for a lighting fixture, as shown.

66,021. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,612. Term of patent $3\frac{1}{2}$ years.



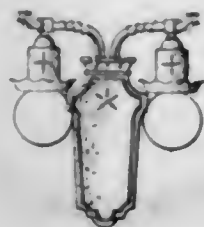
The ornamental design for a lighting fixture, as shown.

66,022. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,613. Term of patent $3\frac{1}{2}$ years.



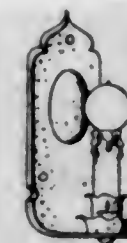
The ornamental design for a lighting fixture, as shown.

66,023. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,614. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture, as shown.

66,024. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,615. Term of patent $3\frac{1}{2}$ years.



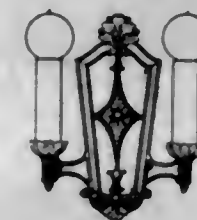
The ornamental design for a lighting fixture, as shown.

66,025. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,616. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture, as shown.

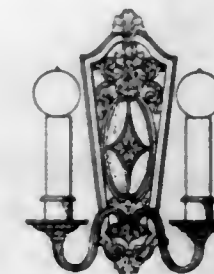
66,026. LIGHTING-FIXTURE BRACKET. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,662. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture bracket, as shown.

328 O. G.—39

66,027. LIGHTING-FIXTURE BRACKET. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,665. Term of patent $3\frac{1}{2}$ years.



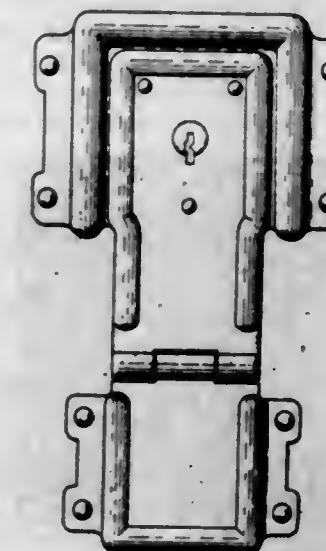
The ornamental design for a lighting fixture bracket, as shown.

66,028. RADIOCONSOLE. JAMES W. LYONS, Chicago, and JOHN B. SIEWERS, Oak Park, Ill., Filed Aug. 28, 1924. Serial No. 10,571. Term of patent 14 years.



The ornamental design for a radio console, as shown.

66,029. TRUNK LOCK. ALEXANDER L. MACKAY, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 9, 1922. Serial No. 137. Term of patent 7 years.



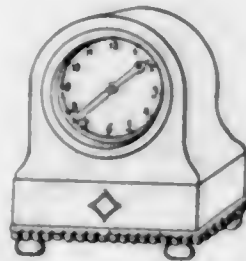
The ornamental design for a trunk lock as shown in the accompanying drawing.

66,030. DISPLAY STAND FOR CONFECTIONS. WILLIAM H. MAICHLE, East Orange, N. J., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a Corporation of New York. Filed Oct. 3, 1924. Serial No. 10,957. Term of patent 7 years.



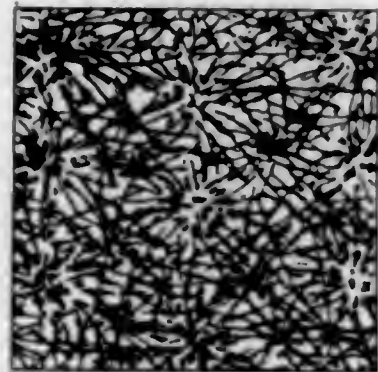
The ornamental design for a display stand for confections, as shown.

66,031. CLOCK CASE. WILHELM MAIER, Villingen, Germany. Filed Jan. 4, 1922. Serial No. 4,808. Term of patent 14 years.



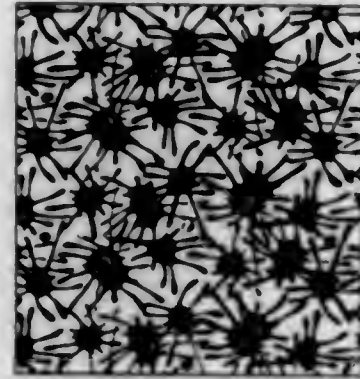
The ornamental design for a clock case as shown.

66,032. PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Card Company, a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,419. Term of patent 14 years.



I claim the ornamental design for paper as shown.

66,033. PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Card Company, a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,420. Term of patent 14 years.



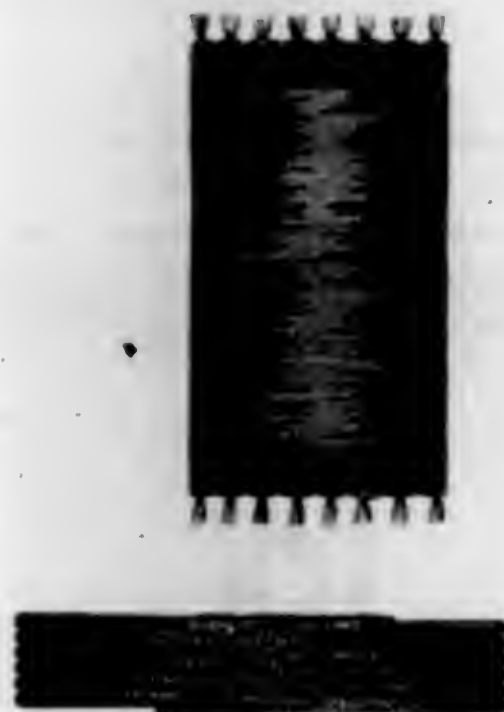
I claim the ornamental design for paper as shown.

66,034. PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Card Company, a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,421. Term of patent 14 years.



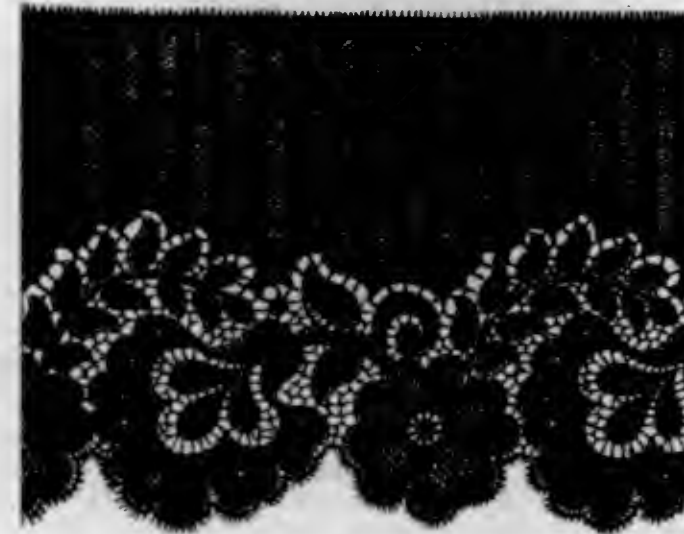
I claim the ornamental design for paper as shown.

66,035. RUG. BAYARD L. MCINTOSH, Marietta, Ga. Filed Sept. 2, 1924. Serial No. 10,639. Term of patent 3½ years.



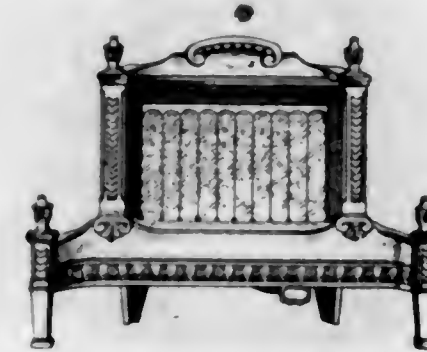
The ornamental design for a rug, as shown.

66,036. LACE. THOMAS MONK, Bridgeport, Conn., assignor to Connecticut Lace Works, Incorporated, Norwalk, Conn., a Corporation of Connecticut. Filed Sept. 3, 1924. Serial No. 10,669. Term of patent 3½ years.



The ornamental design for lace, substantially as shown.

66,037. HEATER. JOHN E. McMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,754. Term of patent 7 years.



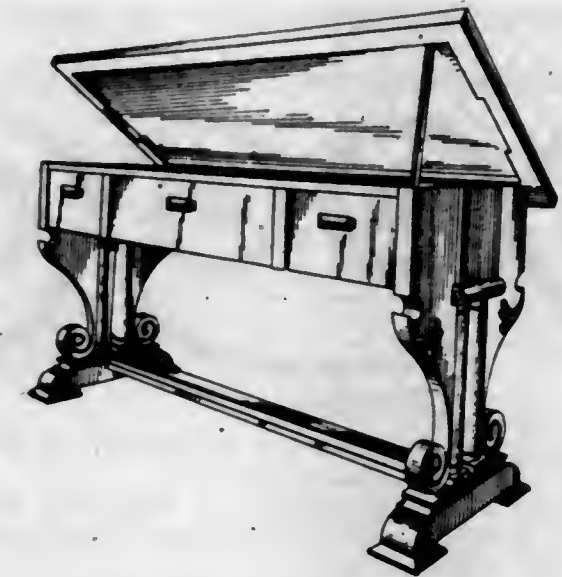
The ornamental design for heater, as shown.

66,038. COVERING FOR A BOX OR SIMILAR ARTICLE. CARL L. NELSON, Yonkers, N. Y., assignor to V. Vivaudou, Inc., New York, N. Y., a Corporation. Filed July 22, 1924. Serial No. 10,224. Term of patent 14 years.



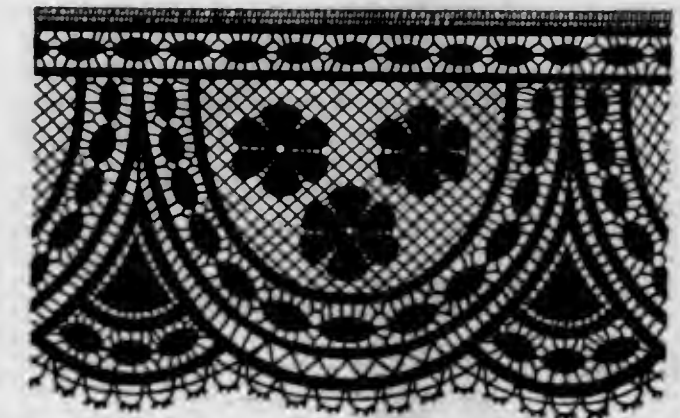
The ornamental design for a covering for a box or similar article, as shown.

66,039. COMBINED TABLE AND RADIO CABINET. PAUL H. PORTZ, Alliance, Ohio. Filed Oct. 1, 1924. Serial No. 10,940. Term of patent 7 years.



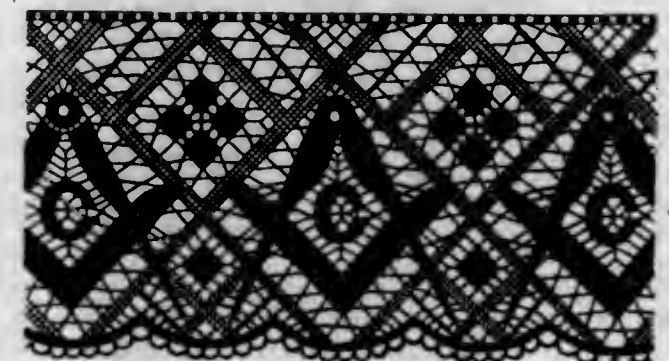
The ornamental design for a combined table and radio cabinet, as shown.

66,040. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Sept. 22, 1924. Serial No. 10,852. Term of patent 14 years.



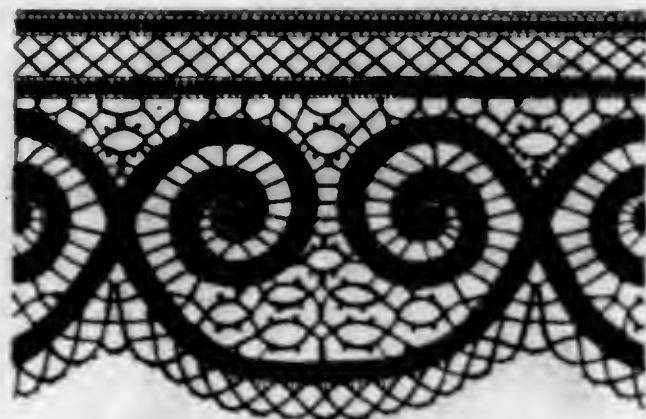
The ornamental design for lace substantially as shown.

66,041. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Sept. 22, 1924. Serial No. 10,853. Term of patent 14 years.



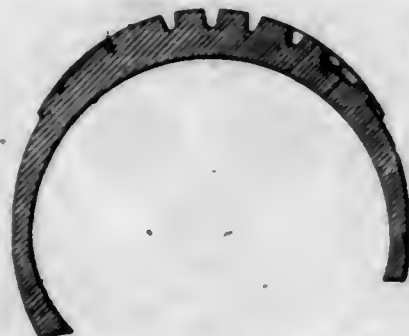
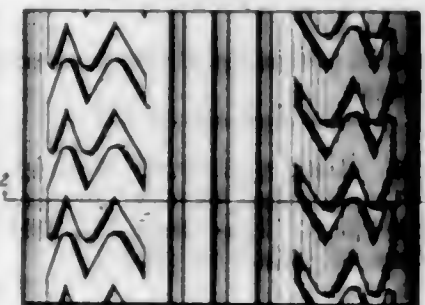
The ornamental design for lace substantially as shown.

66,042. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Sept. 22, 1924. Serial No. 10,854. Term of patent 14 years.



The ornamental design for lace substantially as shown.

66,043. TIRE TREAD. HAROLD D. REICHARD, Akron, Ohio. Filed Aug. 29, 1924. Serial No. 10,582. Term of patent 14 years.



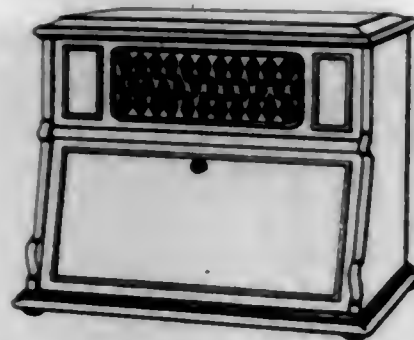
The ornamental design for a tire tread as shown.

66,044. DISPLAY CASE. JULIUS SCHWARTZ, New York, N. Y., assignor to United Cigar Stores Company of America, a Corporation of Delaware. Filed Sept. 9, 1924. Serial No. 10,720. Term of patent 3½ years.



The ornamental design for a display case as shown.

66,045. RADIO-RECEIVING-APPARATUS CABINET. CHARLES A. SIEWECK, New York, N. Y., assignor to F. A. D. Andrea, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 19, 1924. Serial No. 10,494. Term of patent 3½ years.



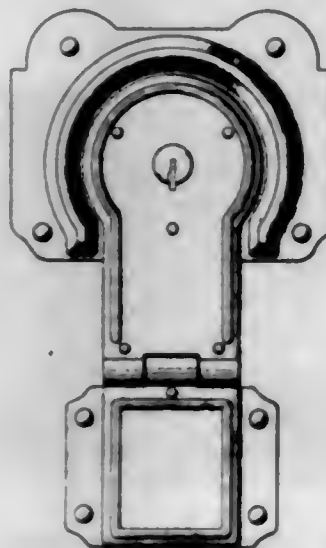
The ornamental design for a radio receiving apparatus cabinet, as shown.

66,046. HUSK FOR LIGHTING FIXTURES. LEON SIMON, West Hoboken, N. J. Filed Sept. 17, 1924. Serial No. 10,808. Term of patent 7 years.



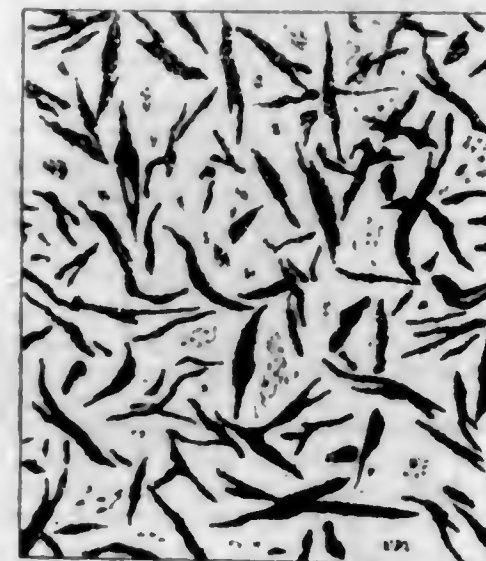
I claim the ornamental design for a husk for lighting fixtures, as shown and described.

66,047. TRUNK LOCK. ELMER B. STONE, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 9, 1922. Serial No. 143. Term of patent 7 years.



The ornamental design for a trunk lock shown in the accompanying drawing.

66,048. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1924. Serial No. 10,424. Term of patent 14 years.



The ornamental design for paper as shown.

66,049. ADVERTISING SUPPORT FOR TELEPHONE HEADSETS. LOUIS J. URICH, Elmhurst, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 3, 1924. Serial No. 10,668. Term of patent 14 years.



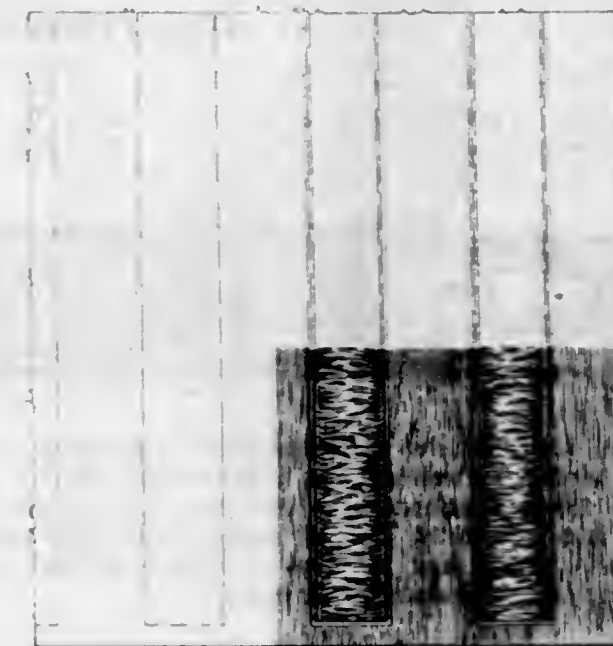
The ornamental design for an advertising support for telephone headsets as shown.

66,050. BRACKET FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to William R. Noe & Sons, a Copartnership, New York, N. Y. Filed May 21, 1924. Serial No. 9,683. Term of patent 7 years.



The ornamental design for a bracket for lighting fixtures, as shown.

66,051. LEATHER. MORRIS WHITE, New York, N. Y. Filed Aug. 18, 1924. Serial No. 10,472. Term of patent 3½ years.



The ornamental design for leather, as shown.

66,052. HANDLE FOR MOTOR VEHICLE DOORS AND THE LIKE. JOSEPH M. YATES, Charlotte, Mich., assignor to Hancock Manufacturing Company, Charlotte, Mich., a Corporation of Michigan. Filed June 3, 1922. Serial No. 2,511. Term of patent 3½ years.

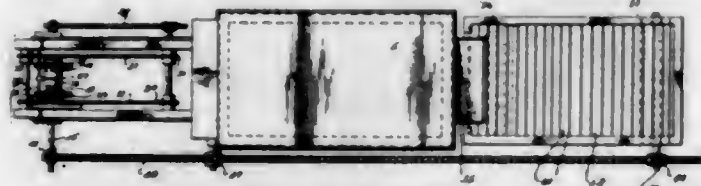


The ornamental design for a handle for motor vehicle doors and the like, substantially as shown.

PATENTS

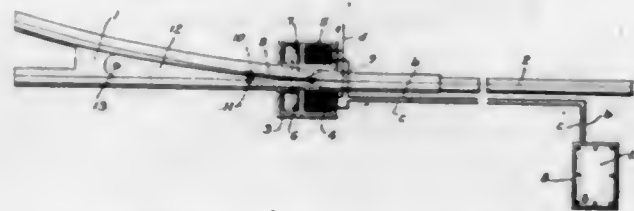
GRANTED NOVEMBER 18, 1924.

1,515,586. CONTINUOUS FURNACE. JOHN W. ANDERSON, Newcastle, Ind. Filed June 25, 1923. Serial No. 647,530. 8 Claims. (Cl. 266-4.)



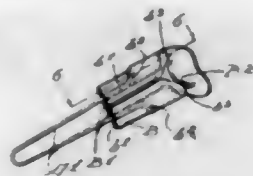
1. A device of the class described, comprising a furnace having a receiving and a discharging end, a conveyor disposed adjacent the receiving end of said furnace and externally thereof adapted to carry objects to said furnace and to force them through the same and out of the discharge end thereof.

1,515,587. AUTOMATIC SWITCH FOR POINT BLADES. DOMINGO ARCANI, La Plata, Argentina. Filed July 29, 1922. Serial No. 578,493. 3 Claims. (Cl. 246-226.)



1. The combination with a switch block and a shiftable switch blade carried thereby, of a member pivotally connected to said blade and fulcrumed on said block, a pair of armatures carried by said member, electromagnets disposed in position to attract said armatures thereby to move said member in opposite directions, and means for selectively energizing said magnets.

1,515,588. CHERRY PITTEER. ADDISON E. AVERY, Oak Park, Ill. Filed Aug. 11, 1924. Serial No. 731,247. 3 Claims. (Cl. 146-21.)

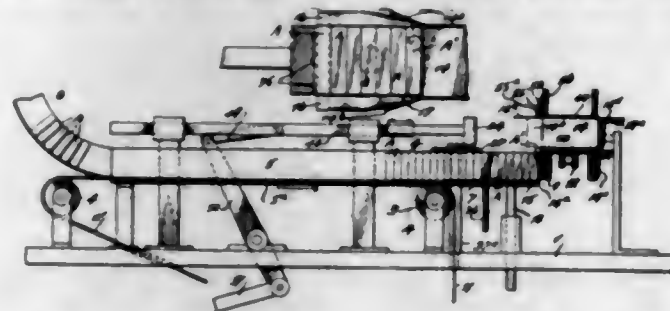


2. A device for the purpose indicated, comprising a narrow wire loop and a sheet metal mount for the same adapted for grasping between the thumb and first finger of the operator and flexed for seating in the angle of the flexed first joint of the finger.

1,515,589. PACKAGING MACHINE. CARL BECKMANN, New York, N. Y., assignor to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 14, 1921. Serial No. 437,306. 2 Claims. (Cl. 226-14.)

2. A packaging machine comprising means to continuously feed articles, a conveyor having receivers for receptacles, means to operate said conveyor step by step,

a transferer reciprocative between said means and said conveyer, means to actuate said transferer, said transferer having a channel for articles and provided with



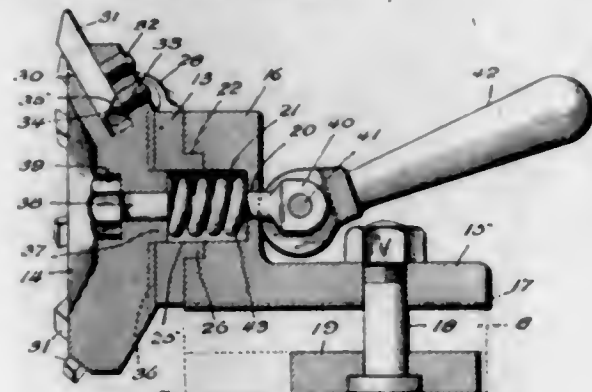
inclined slides to spread flaps of receptacles on the conveyer, a plunger operative over the transferer to charge articles therefrom into receptacles on the conveyer and means to reciprocate said plunger.

1,515,590. ANIMAL TRAP. NEWTON CALBECK, Napanee, Ind. Filed Dec. 3, 1923. Serial No. 678,326. 4 Claims. (Cl. 43-70.)



4. An animal trap comprising a frame provided with a tiltable mounted trap door; an electromagnet to prevent tilting action of the trap door; a movable bait holder; and means actuated by movement of the bait holder to detach the trap door from the electromagnet.

1,515,591. LATHE TOOL. ALBERT D. CANNER, Camp Holabird, Md. Filed May 6, 1922. Serial No. 559,026. 14 Claims. (Cl. 29-48.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



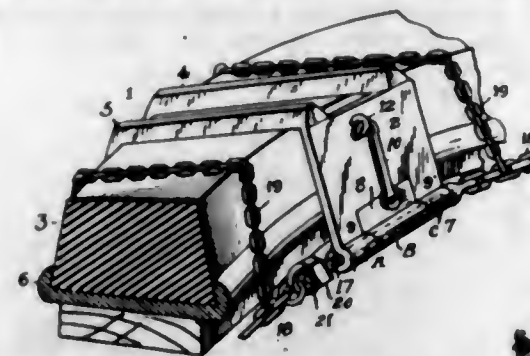
1. A tool holder for lathes, comprising a support, a locating disc rotatably mounted in the support, an adjustable tool head mounted for rotation with the disc, a plurality of cutting tools mounted in the head, and means for locking the head.

NOVEMBER 18, 1924

U. S. PATENT OFFICE.

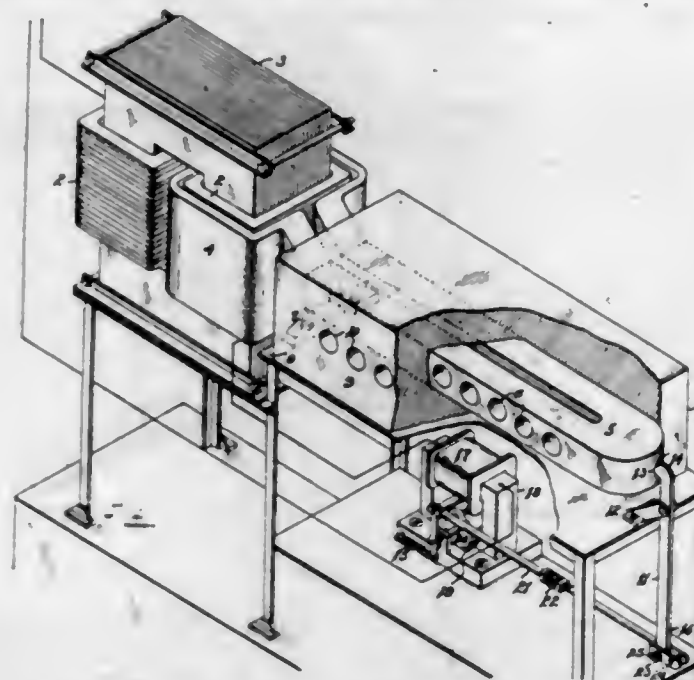
593

1,515,592. TRACTION DEVICE FOR TRUCK WHEELS. DAVID P. DAVIES, Pittsburgh, Pa. Filed June 11, 1923. Serial No. 644,674. 5 Claims. (Cl. 152-2.)



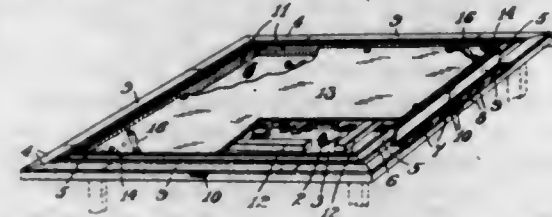
1. A coupler for traction chains or other traction members comprising a pair of traction members substantially triangular in cross section and adapted to extend obliquely across a tire tread, an end plate fixedly connected to each end of said pair of members and disposed at respective sides of said tire, and means associated with each of said end plates for locking said coupler upon the tire and for tensioning said chains or other traction members in any position desired upon said tire.

1,515,593. HEATING ROCK-DRILL BITS AND THE LIKE. WILLIAM ELSDON-DEW, LESLIE PRYCE, and LEON BYRON WOODWORTH, Johannesburg, Transvaal, South Africa. Filed Jan. 13, 1923. Serial No. 612,505. 7 Claims. (Cl. 219-47.)



1. An electric induction furnace comprising a core, a primary winding, and a short circuited secondary unit including a part of relatively high conductivity surrounding the core and a part of relatively low conductivity formed as a loop projecting away from the part which surrounds the core, such second mentioned part being formed with cells for receiving articles to be heated.

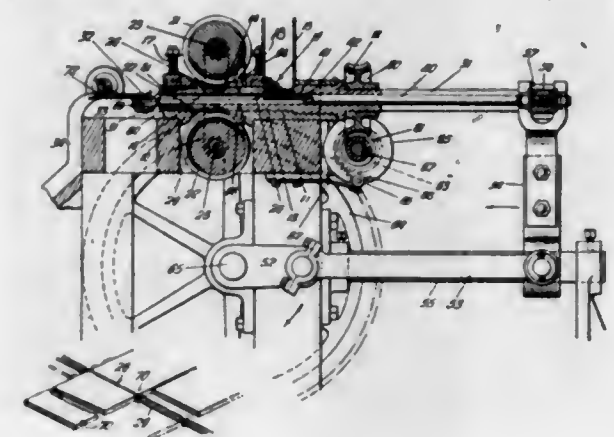
1,515,594. GAME TABLE. FREDERICK A. DUNCAN and ARTHUR B. WAGNER, Indianapolis, Ind. Filed May 14, 1924. Serial No. 713,178. 6 Claims. (Cl. 46-55.)



1. A game board comprising a playing surface flanked on each side by a molding projecting above the playing surface and having its upper surface formed into an in-

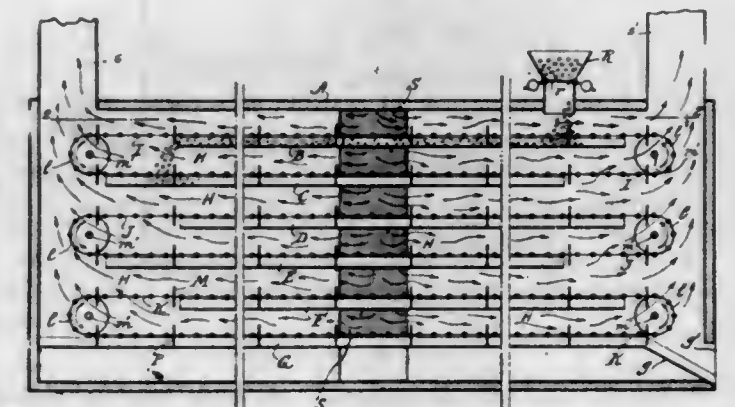
clined tile rack, and a removable cover for said playing surface fitting within said moldings and spaced apart from the playing surface a distance equal to the thickness of a playing piece but less than the width or length thereof.

1,515,595. MACHINE FOR WEAVING SLAT BLINDS. JOHN FRIEND, Coogee, near Sydney, New South Wales, Australia. Filed Aug. 13, 1923. Serial No. 657,258. 9 Claims. (Cl. 139-17.)



1. A machine for weaving wood slats with flexible warp cords or wires, comprising a horizontally disposed slat hopper, a plurality of tubular sleeves transversely arranged below said hopper with means for rotating said sleeves simultaneously but intermittently, a plunger adapted to slide through the tubular centre of each of said sleeves and means for reciprocating said plungers intermediate the rotational movement of the sleeves, transverse slots in the sleeves below the hopper bottom, forward split extensions on said sleeves, one integral with the sleeve stem and the other movable laterally in relation to it in spring loaded bearings, a warp cord spool mounted diametrically opposite on the forward portions of said sleeves, lead holes for the warp cords through the nose portions of said sleeve extensions, and a table located in front of the sleeve nozzles, the whole arranged for the alternate stripping of slats from the bottom of the stack in the hopper, the forcing of said slats between the sleeve extensions on to the carrier table, and after retirement of the feed plunger the rotation of the sleeves to close the sheds of the warp lines and to bind the warps on the slats.

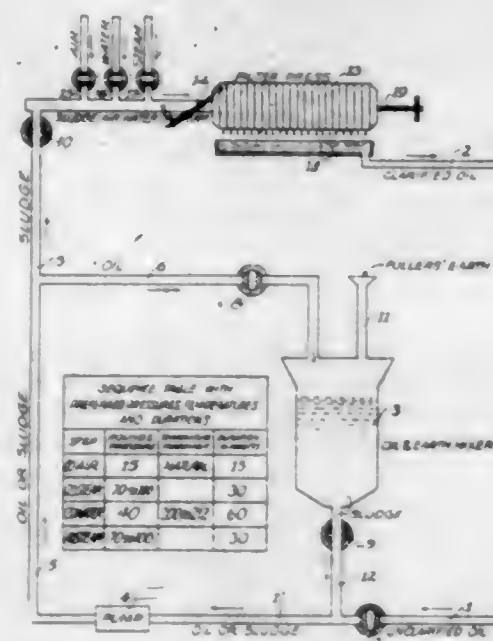
1,515,596. DRYING MACHINE. GORDON DON HARRIS, Islip, N. Y., assignor to Industrial Dryer Corporation, Newark, N. J., a Corporation of New Jersey. Filed June 14, 1921. Serial No. 477,388. 10 Claims. (Cl. 34-13.)



9. In a drier, the combination of a succession of pans positioned for discharging material from one to the other pan of the series, means for feeding material

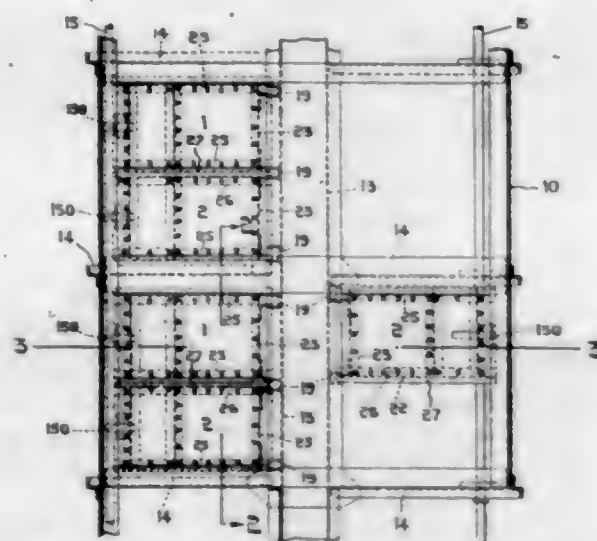
to the first pan, means for discharging material from the last pan of the series, gangs of flat plate scrapers positioned in staggered order with respect to each other and operable within said pans for moving and tumbling material within said pans, and means for circulating a drying atmosphere between said pans during the agitation imparted to said material by the feeding and tumbling motion given thereto by said scraping means.

1,515,597. PROCESS FOR CLARIFYING OIL. PETER P. HINDELANG, San Antonio, Tex., assignor, by mesne assignments, to Standard Fullers Earth Co., Inc., San Antonio, Tex., a Corporation. Filed Oct. 17, 1922. Serial No. 595,165. 2 Claims. (Cl. 196-147.)



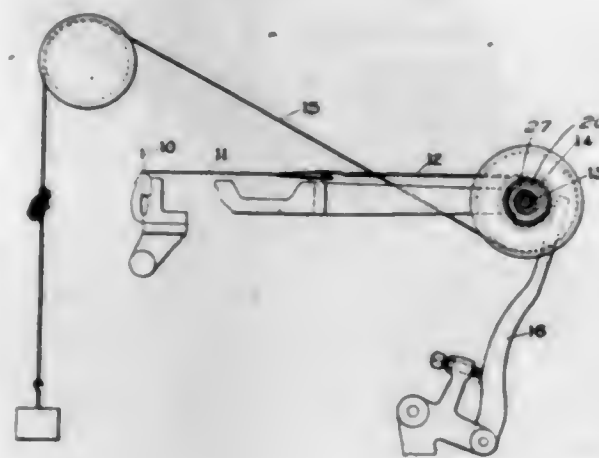
1. The method of separating oil from fuller's earth impregnated with oil which consists in forcing air, steam, water, and steam therethrough successively in the order enumerated.

1,515,598. RAILWAY CAR. FRANK H. HOPKINS, Montreal, Quebec, Canada. Filed Aug. 12, 1921. Serial No. 491,733. 8 Claims. (Cl. 105-244.)



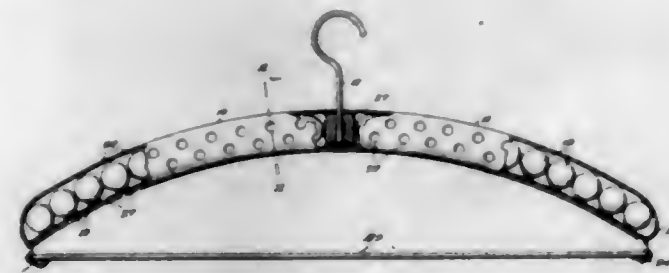
1. In a car for the purpose set forth the bottom of which has a discharge opening, a plurality of coating door sections and means for hinging the same at one and the same side of the door opening with the axes of the hinges in alignment, and displaceable means for supporting the door sections in raised position.

1,515,599. TAKE-OFF MECHANISM FOR FULL-FASHIONED KNITTING MACHINES. HENRY JANSSEN, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Apr. 5, 1924. Serial No. 704,337. 3 Claims. (Cl. 66-9.)



1. A fabric take-off mechanism for full-fashioned knitting machines comprising a rotated take-off shaft, a series of take-off reels independently turnable on said shaft, and separate fabric-tensioning reel connections to the common shaft whereby the turning of the several reels thereon is automatically varied to substantially equalize the take-off action of the shaft.

1,515,600. GARMENT SUPPORT. JOSEPH KORNAS, Linden, N. J. Filed Dec. 8, 1922. Serial No. 605,572. 6 Claims. (Cl. 211-13.)

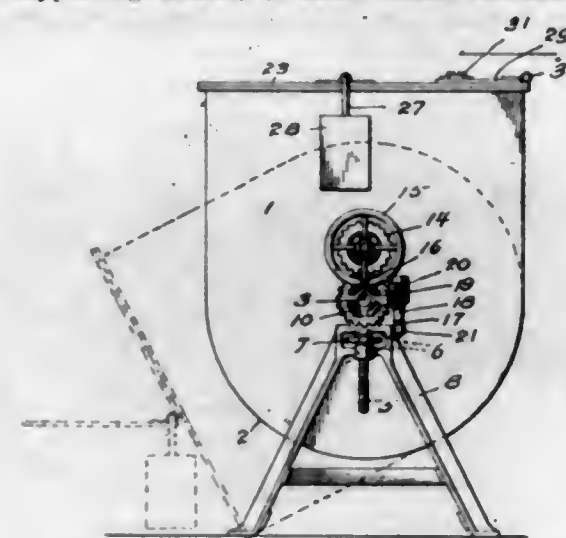


1. A garment support comprising a metallic tubular bow-shaped shoulder support adapted to contain a material destructive to vermin and provided with ventilation holes, said support including a top member inverted U-shaped in cross section and having its edge intumed to form rounded guiding flanges and a sliding bottom cover member fitted between the sides of the U-member and having down turned longitudinal edge positioned on and guided by said flanges in the sliding movement of the bottom member from a position closing the support.

1,515,601. GARBAGE RECEPTACLE. FRANCIS H. KUHN, U. S. Army. Filed Jan. 17, 1923. Serial No. 613,283. 6 Claims. (Cl. 248-58.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

5. The combination with a closed garbage receptacle having a support, of means for tiltably supporting same, comprising a supporting frame having bearings, trunnions on the receptacle adapted to rest in the bearings, means for tilting same, comprising a gear wheel mounted rigidly on the receptacle, a gear wheel mounted on the support in mesh with said wheel on the receptacle, a hand wheel secured to the gear wheel mounted on the supports for rotating same and tilting the receptacle,

means for raising and lowering the receptacle, and tilting means, comprising a threaded shank depending from the supporting means, a hand wheel threaded on the



shank and secured in the supporting frame, and means for opening the receptacle when tilted, comprising a counterbalance weight attached to a portion of the cover to swing it on its hinge.

1,515,602. COMBINED CALENDAR AND BULLETIN. ISAAC LEIBOWITZ, West Hoboken, N. J. Filed Feb. 27, 1923. Serial No. 621,503. 2 Claims. (Cl. 283-2.)

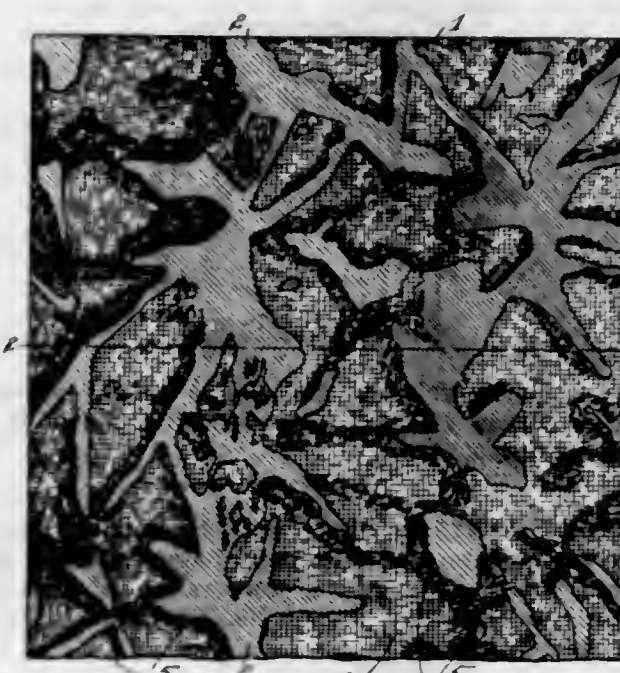


1. A combined calendar and bulletin, comprising a calendar back having a bulletin space devoted to the display of information, a calendar pad attached to said back so as to normally cover and conceal the information displayed in the bulletin space of said calendar back, the successive leaves of said calendar pad being of progressively increased length to constantly expose the lower marginal portion of each leaf, said exposed lower marginal portion of each leaf having displayed thereon a notice referring the user's attention to the concealed bulletin space of said calendar back, and said calendar pad being of less length than said bulletin space to provide a constantly exposed portion at the bottom of the latter having displayed thereon a notice identifying the bulletin space.

1,515,603. ORNAMENTED SURFACE AND METHOD OF FORMING SAME. GEORGE R. MCALLISTER, Shortsville, N. Y. Filed Mar. 2, 1921. Serial No. 449,080. 5 Claims. (Cl. 41-26.)

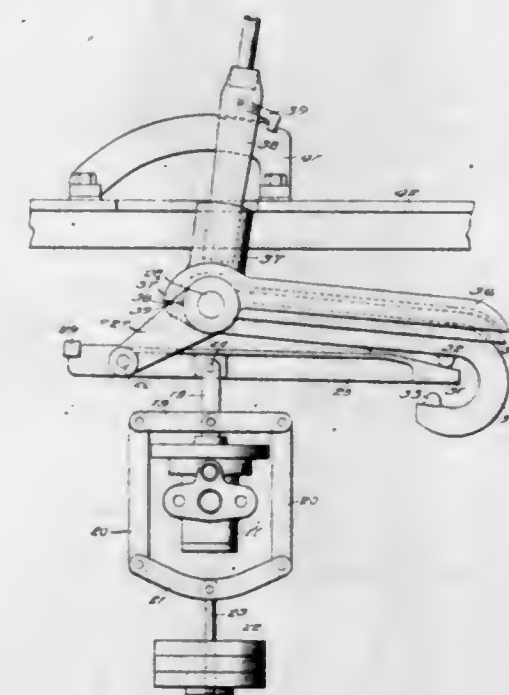
1. The ornamenting process which consists in providing a coating formed with hills and valleys with the

coating thicker at the hills than in the valleys, permitting the coating in the valleys to dry partially, and



distributing a powder over the surface while the hills thereof are still in a moist condition.

1,515,604. BRAKE CONTROL. EZRA B. MEAD, Ottumwa, Iowa, assignor to Ottumwa Iron Works, Ottumwa, Iowa, a Corporation of Iowa. Filed Nov. 12, 1921. Serial No. 514,675. 9 Claims. (Cl. 303-54.)

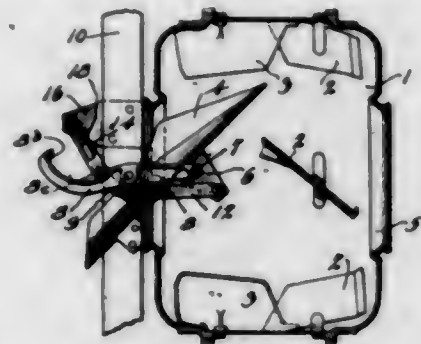


1. A brake control, comprising in combination, a power source for releasing the brake, a valve for controlling said power source and a brake lever controlling said valve and successively increasing gravity resistance to the hand pull on the lever inversely proportional to the amount of brake releasing pressure from said power source.

1,515,605. CHUTE FOR CONCRETE MIXERS. ADOLPH C. MENNINGEN, West Allis, Wis., assignor to Kochring Company, Milwaukee, Wis., a Corporation. Filed Apr. 2, 1923. Serial No. 629,436. 14 Claims. (Cl. 193-10.)

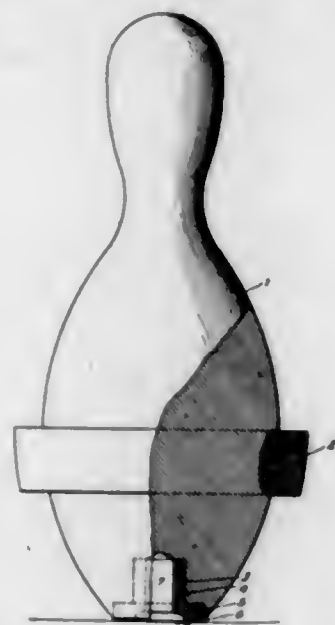
1. In a concrete mixing machine in combination, a mixing drum and a chute therefor, movable from non-

discharging to discharging positions, a floating fulcrum for the chute, including a pivot, and supporting levers carrying the pivot, operating parts linked to the chute



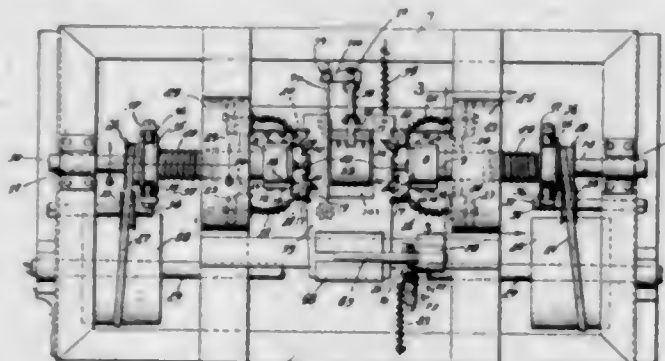
to tilt it on its fulcrum, and means on the operating parts to engage and rock the supporting levers in the tilting operation.

1,515,606. BOWLING PIN. JOHN O. MILLER, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 8, 1924. Serial No. 704,957. 4 Claims. (Cl. 46—66.)



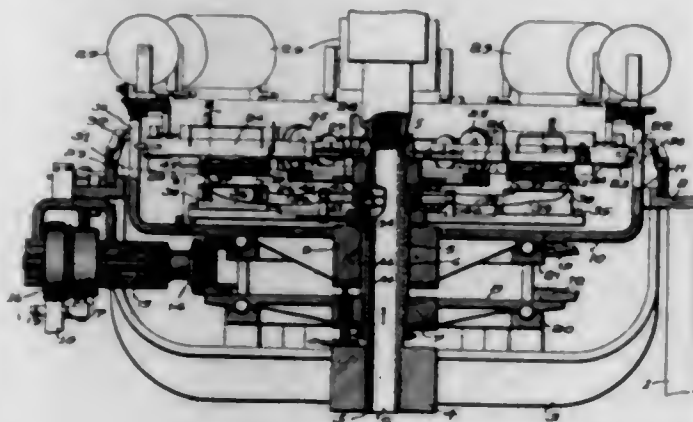
4. A bowling pin having a bore and a counter bore in its base and a wear preventing tubular plug comprising a sleeve seated in said bore, and an integral flange seated in said counter bore and projecting below the body of the pin.

1,515,607. FRUIT-TRIMMING MACHINE. FRANCIS CHARLES MONKS, Honolulu, Territory of Hawaii. Filed Feb. 11, 1924. Serial No. 692,051. 17 Claims. (Cl. 146—43.)



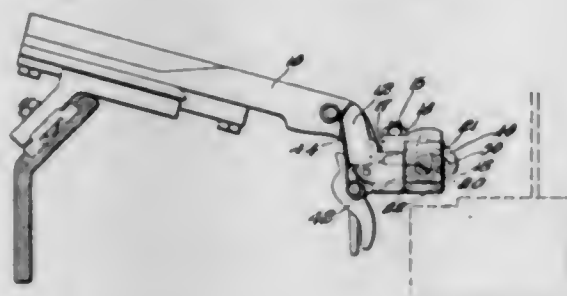
2. In a machine of the kind described, the combination of a frame, a pair of cutter heads mounted opposite to each other, means for holding the fruit in position between the cutter heads, means for advancing the cutter heads and for rotating the same to trim the fruit.

1,515,608. BRAIDING MACHINE. DANIEL H. MURPHY, Hartford, Conn., assignor to The American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed Apr. 21, 1923. Serial No. 633,072. 4 Claims. (Cl. 96—7.)



1. In a braiding machine, the combination of a main rotary frame having an annular trackway, a central tubular shaft about which the frame rotates, outer yarn supplies movable with the main rotary frame, a series of inner yarn carriers mounted in the annular trackway for movement in a horizontal plane and each provided with an iron portion constituting an armature, a rotary driver frame movable in a horizontal plane below the inner carriers, electro-magnets upon the driver frame and adapted to attract the armatures and impart the rotative movement of the driver frame to the carriers, fixed contact rings supported by but insulated from the upper portion of said tubular shaft, electric conductors mounted within the tubular shaft and extending from a source of current supply to said rings, and electric connections between the electro-magnets and contact rings including wipers mounted upon the driver frame to travel over the surface of the fixed rings.

1,515,609. TEMPLE THREAD CUTTER FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1921. Serial No. 520,883. 7 Claims. (Cl. 139—303.)

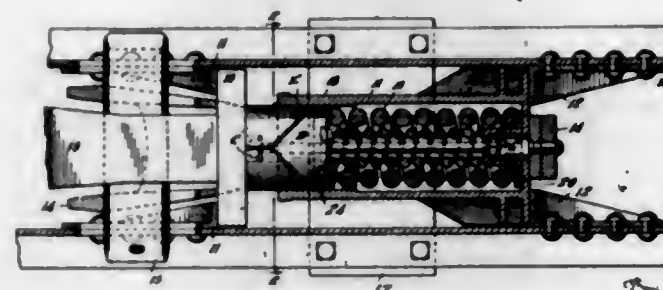


1. A temple thread cutter for looms having, in combination, a pod, a cap, a temple roll, a stationary knife having a lug adapted to be received in the cap and a lug adapted to be received in the pod, a movable knife supported in position to cooperate with the stationary knife in cutting the thread, and a spring for holding the movable knife in engagement with the stationary knife.

1,515,610. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 1, 1920. Serial No. 421,167. Renewed Sept. 23, 1924. 9 Claims. (Cl. 213—31.)

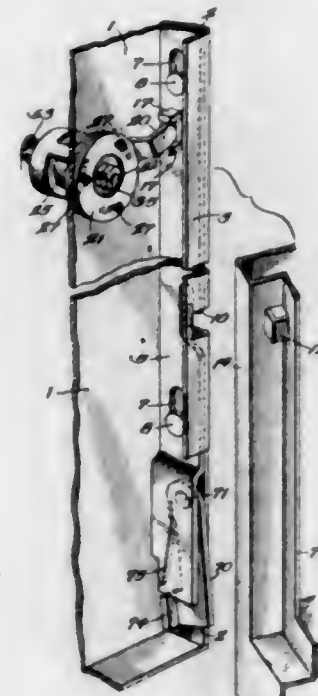
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a spring resistance; and a friction unit co-

operable with said shell and spring resistance, said unit comprising, an outer set of friction shoes, an inner set of friction shoes, and a single wedge interposed between and cooperable with both sets of friction shoes, the outer set



of friction shoes and wedge having cooperable sets of wedge faces arranged at one angle and the inner set of friction shoes and the wedge having co-operable sets of wedge faces arranged at a different angle, with respect to the axis of the shell.

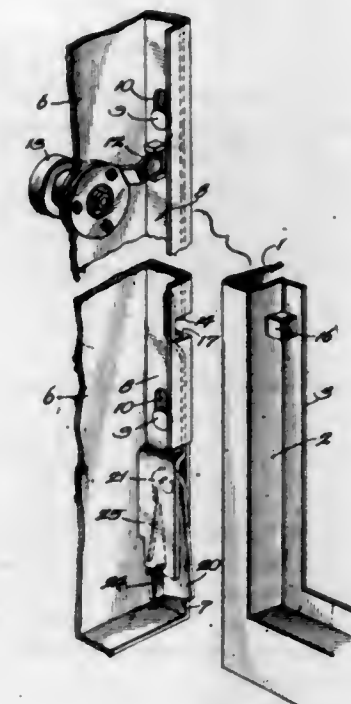
1,515,611. LOCKING DEVICE. JOHN B. O'CONNOR, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed Nov. 21, 1921. Serial No. 516,568. 13 Claims. (Cl. 70—91.)



1. A lock having a handle for operating the locking element, a cylinder enclosed within the handle, and key operated tumblers for normally preventing the movement of the handle, the cylinder being nonmovable and having a slot for receiving the key, whereby the mere insertion of the key releases the handle and permits it to operate the locking element.

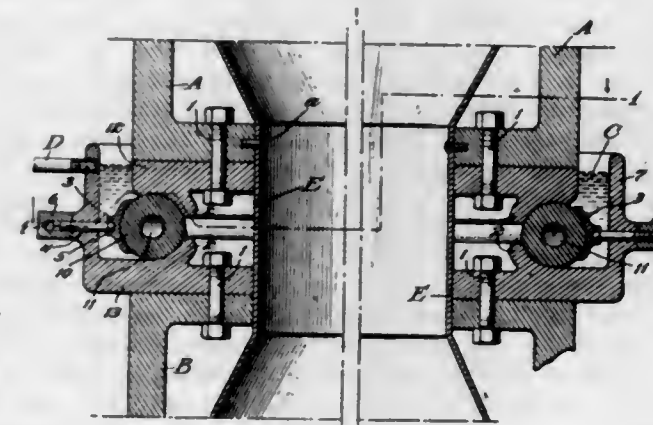
10. A lock having a rotatable handle for operating the door securing element, a cylinder enclosed within the handle, and key operated tumblers for normally preventing the rotation of the handle, the cylinder being non-rotatable and having a slot for receiving the key whereby the key when inserted is non-rotatable and the mere insertion of the key releases the handle for operation.

1,515,612. LOCKING DEVICE. JOHN B. O'CONNOR, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Original application filed Nov. 21, 1921, Serial No. 516,568. Divided and this application filed Jan. 6, 1922. Serial No. 527,355. 5 Claims. (Cl. 292—335.)



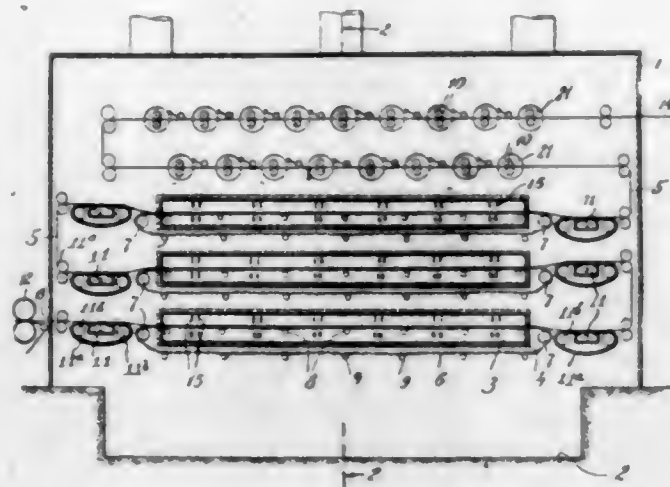
1. A door lock having a vertically slidable, gravity actuated, locking bar mounted on the door, and a detent pivotally connected to the door and said detent being biased toward the locking bar and adapted to underlie a portion of it for holding it raised, said detent being movable in a plane at right angles to the plane of the door and when in acting position projecting from the door to engage and be repulsed by the door frame as the door closes.

1,515,613. EXPANSION JOINT. WILL H. PHILLIPS, Chicago, Ill. Filed Apr. 11, 1922. Serial No. 551,635. 10 Claims. (Cl. 285—90.)



1. In an expansion joint, the combination with a plurality of hollow members, of a resilient annular member interposed between the juxtaposed ends of said hollow members, and adjustable means for laterally compressing said annular member to increase the pressure thereof against the ends of said hollow members and hold said annular member in place.

1,515,614. METHOD AND MACHINE FOR DRYING PAPER. THOMAS F. PINDER, Ardmore, Pa., assignor to Charles C. Orcutt, New York, N. Y. Filed Feb. 2, 1922. Serial No. 533,687. 12 Claims. (Cl. 34-48.)



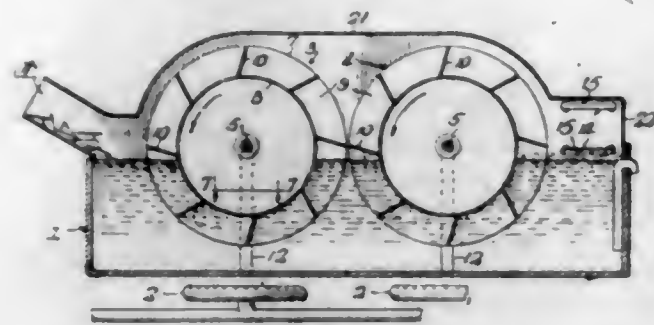
1. The method of drying paper and the like, which comprises heating the paper to a high temperature in a saturated atmosphere to prevent surface drying, and afterwards removing the moisture from the paper by currents of dry heated air at a lower temperature.

1,515,615. LEAD PENCIL. ABRAHAM POLLAK, New York, N. Y., assignor to Samuel Kanner, New York, N. Y. Filed Sept. 13, 1923. Serial No. 662,376. 6 Claims. (Cl. 120-18.)



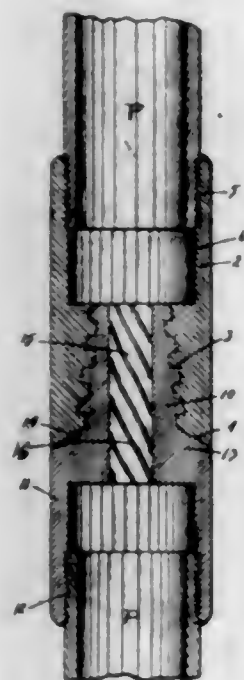
5. A lead pencil comprising an exterior casing having at its forward end a tip-section, a rear rotary tube therein equipped with a spirally threaded nut and having an operating head at its rear end, said nut having a recess in its forward end, a hexagonal guiding tube extending from said tip-section into said recess of said nut and being partly closed at its forward end, a spirally threaded rod extending through said nut and movable longitudinally therefrom and having on its forward end a hexagonal head to guide within said hexagonal tube, a propeller rod connected with and extending forwardly from said hexagonal head, a tubular lead-holding member adapted to receive the writing-lead and slidable within said hexagonal tube and having a head to prevent its escape therefrom, a coiled spring on said rod engaging said lead-holding member head and said hexagonal head, said propeller rod extending forwardly through a hole in the head of said lead-holding member and having a head on its forward end to engage the lead and slidable within said member, said propeller rod being adapted when the lead-holding member is arrested at the end of the hexagonal tube to continue in motion to expel the remaining piece of lead, said spring then being compressed between the said hexagonal head and the lead-holding member, and a tubular member embracing said rotary tube and latched to said exterior casing, said tubular member being interlocked with said nut and having a head on its forward end containing a hexagonal opening through which said hexagonal tube extends and by means of which said tube is held against rotation.

1,515,616. METHOD AND APPARATUS FOR RECOVERING SCRAP METAL. HERMAN A. POPPENHUSEN, Hammond, Ind. Filed June 13, 1923. Serial No. 645,073. 13 Claims. (Cl. 260-37.)



1. The method of recovering a given metal from scrap containing said given metal in metallic and compound form, which consists in, first, melting out the metallic metal at a heat lower than the fusing point of the compound form to liberate the latter, and second, separating the heavier from the lighter particles of the liberated compound for recovery of the metal content thereof by subsequent treatment.

1,515,617. TOOL JOINT. CLARENCE D. REYNOLDS and CHARLES B. REYNOLDS, Whittier, Calif. Filed Sept. 29, 1922. Serial No. 591,297. 2 Claims. (Cl. 285-146.)

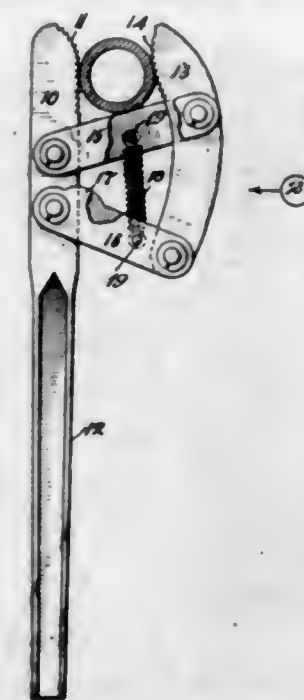


1. In a tool joint, a member having an externally threaded pin portion which is longitudinally bored, the surface of said bore being provided with means for whirlpooling liquid flowing therethrough.

1,515,618. WRENCH. FREDERICK RUSCH, Poughkeepsie, N. Y., assignor to Hoe Corporation, Poughkeepsie, N. Y., a Corporation of New York. Filed July 17, 1923. Serial No. 652,017. 4 Claims. (Cl. 81-117.)

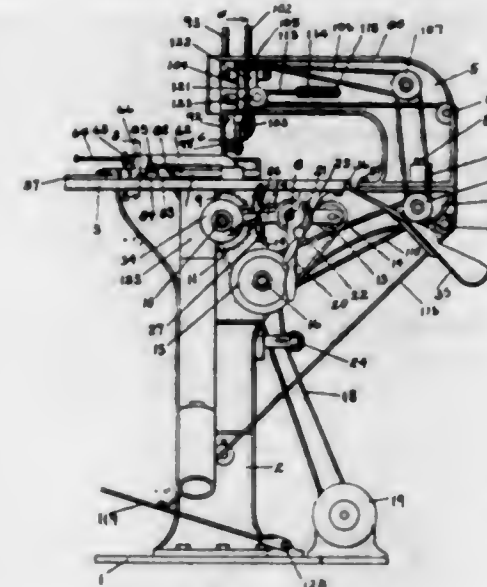
1. A wrench comprising a fixed jaw, a movable jaw, links pivotally connecting said jaws, a spring co-operating

with said links and normally tending to force the jaws together, and a stop carried by one of said links arranged



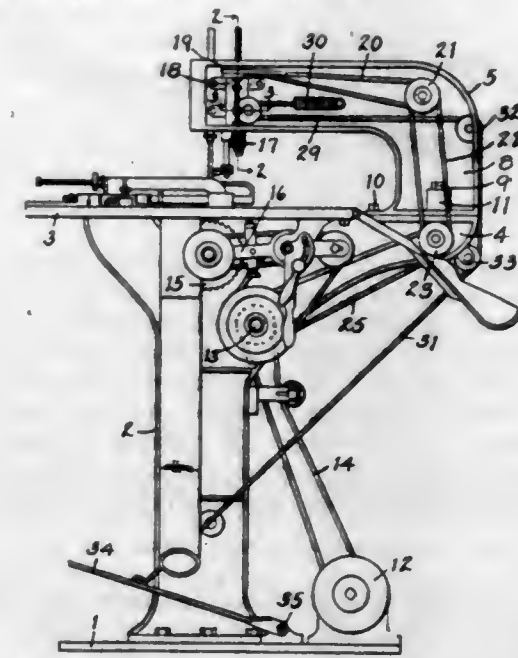
to contact with another of said links to stop and hold said wrench jaws apart in inoperative position.

1,515,619. SAWING AND TRIMMING MACHINE. WALTER S. RUNNELS, Kalamazoo, Mich. Filed Feb. 18, 1922. Serial No. 537,542. 31 Claims. (Cl. 29-69.)



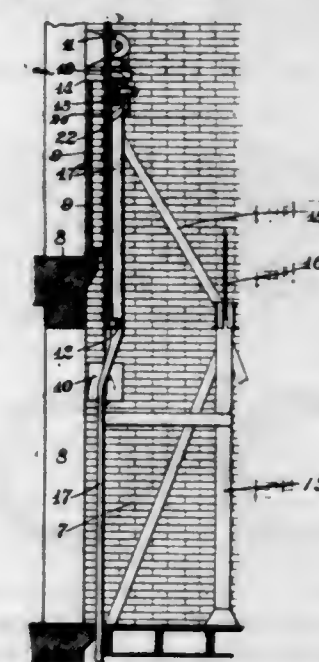
1. In a structure of the class described, the combination of a table having a groove-like way therein, a carriage slidable on said table and having a slide engaging said way, a guide bar mounted on said carriage at the front thereof in spaced relation thereto, the forward edge of said guide bar constituting the work supporting face of the carriage, said bar being provided with a groove in its rear edge, a gage member resting on the table in front of said carriage with its rear edge in sliding contact with the front edge of said bar, its face being at right angles to the face of said bar, a screw mounted above said bar, a yoke on said gage member embracing said screw and bar and provided with pins engaging the said groove therein, said bar being provided with notches adjacent its end permitting the engagement and disengagement of the yoke when the pins are in register with the notches, and a nut member mounted on said yoke to coact with said screw and detachably engaged therewith.

1,515,620. DRILLING AND ROUTING MACHINE. WALTER S. RUNNELS, Kalamazoo, Mich. Original application filed Feb. 18, 1922, Serial No. 537,542. Divided and this application filed Mar. 5, 1923. Serial No. 622,918. 9 Claims. (Cl. 29-26.)



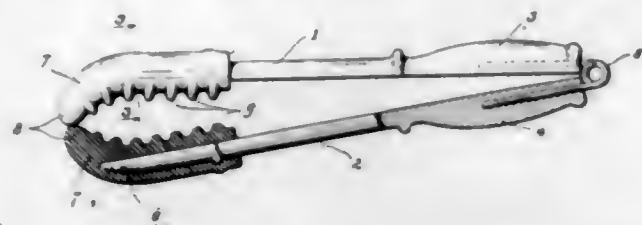
1. In a structure of the class described, the combination of a pedestal provided with a rearwardly projecting bracket, a table mounted on said pedestal, an angled head having a channeled side mounted on said bracket to overhang said table, a spindle bearing mounted on said head within the channel, a spindle provided with a sleeve mounted in said bearing, said spindle sleeve having a rack thereon, a feed pinion coacting with said rack, a stop pin on said sleeve, a screw disposed at the side of said spindle, stop nuts on said screw adapted to coact with said stop pin, driving connections for said spindle, means for driving said feed pinion comprising a sprocket wheel on said pinion, a sprocket chain to coact therewith, a spring mounted on said head and connected to one end of said chain, a cable connected to the other end of said chain, an operating lever to which said cable is connected, and guide pulleys for said cable mounted at the rear of said head and on said pedestal bracket.

1,515,621. MEANS FOR CLOSING DOORS FOR ELEVATOR SHAFTS. ALBERT RUSH, Columbus, Ohio, assignor to The Kinneer Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 26, 1922. Serial No. 584,391. 6 Claims. (Cl. 187-51.)



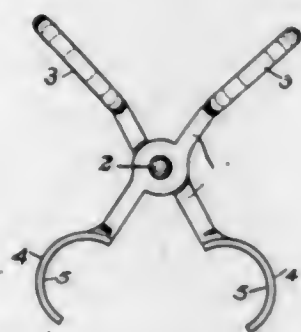
3. In a building, the combination with an elevator shaft provided with doorways and vertically sliding doors for the same, of a car movable in said shaft provided with a weight and thermally controlled means to release said weight to close an open door.

1,515,622. DISH HANDLER. MARIE SARLABOUS and HELEN FOUNTAIN, New York, N. Y. Filed June 6, 1922. Serial No. 566,225. 2 Claims. (Cl. 294-33.)



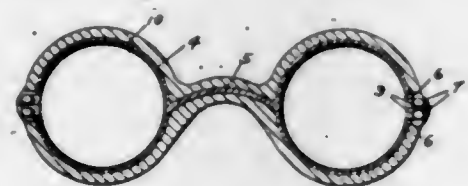
1. An implement of the class described comprising in combination, a pair of handle members movably connected one with the other whereby said members may have their ends brought together when hand operated, adjacent ends of the said members having claw-like dish-engaging members attached thereto, the said dish-engaging members being formed of yielding material and having inwardly bent tips and a plurality of transversely disposed spaced ridges on opposed faces thereof.

1,515,623. TAMPING MOLD. ALBERT H. SCHOTT, South Brownsville, Pa. Filed Apr. 10, 1924. Serial No. 705,486. 4 Claims. (Cl. 86-21.)



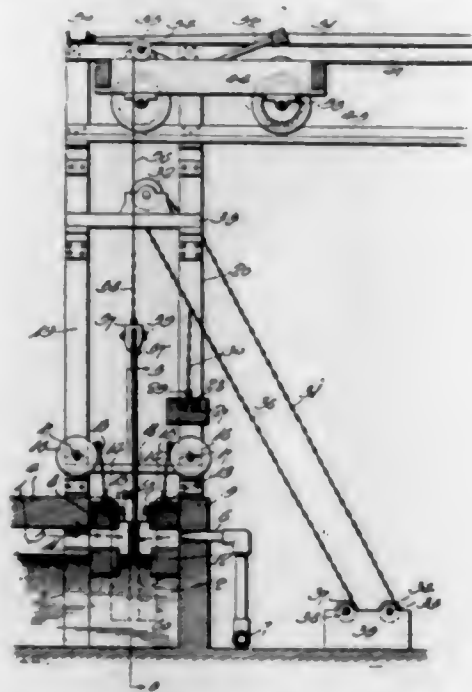
4. In combination, a tamping mold comprising a pair of arms pivotally connected together, each of said pair of arms provided with an integrally connected handle member at its upper end, said handle members disposed at an angle to incline outwardly, an elongated mold section integrally connected centrally of its length to the lower end of each of said pair of arms, said sections disposed parallel with respect to each other and at right angles relatively to said arms, the opposed faces of said mold sections formed with corresponding half-round cavities extending throughout the length of said sections, substantially as described and for the purpose set forth.

1,515,624. OPHTHALMIC MOUNTING. ELMER L. SCHUMACHER, Southbridge, and WILLIAM H. BOUTELLE, Sturbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 17, 1921. Serial No. 437,887. 4 Claims. (Cl. 88-47.)



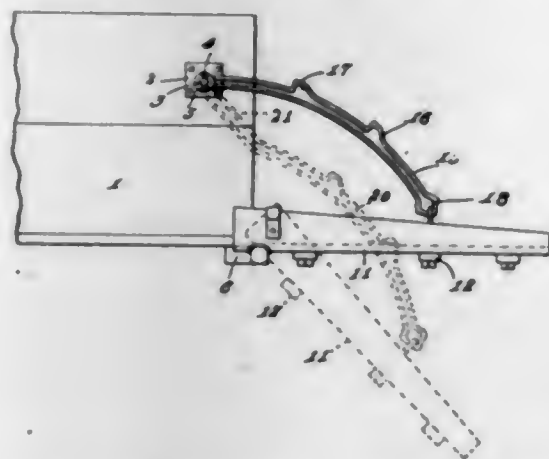
2. The process of forming an ophthalmic mounting, consisting in shaping a one-piece frame, interiorly grooving the eye portions of the frame, forming a passage through the bridge portion of the frame, connecting said grooves, and inserting a one-piece metallic frame within the groove and passages.

1,515,625. SHEET-GLASS MACHINE. PRINTISS M. SELLERS, Mount Vernon, Ohio, assignor of one-half to Perry E. Lannoy, Mount Vernon, Ohio. Filed May 19, 1921. Serial No. 470,863. 6 Claims. (Cl. 49-17.)



5. In a sheet glass making machine, a fire pot including an auxiliary chamber having an open upper end and communicating with the main body of the fire pot above the normal glass level, burner nozzles extending through the outer wall of the auxiliary chamber, supports positioned upon opposite sides of the auxiliary chamber, valve bars resting upon the supports for shutting the nozzle receiving opening of the outer wall and shutting off communication of the auxiliary chamber with the main body of the fire pot above the glass level, a cover bar resting upon the valve bars and closing the space between the same, means for swinging the cover and valve bars upwardly to an open position, and means for drawing a sheet of glass out of the auxiliary chamber with the cover bar raised and the valve bars in an operative position, the valve bars when raised admitting heat upon opposite sides of a sheet of glass to sever the sheet from the body of melted glass in the auxiliary chamber.

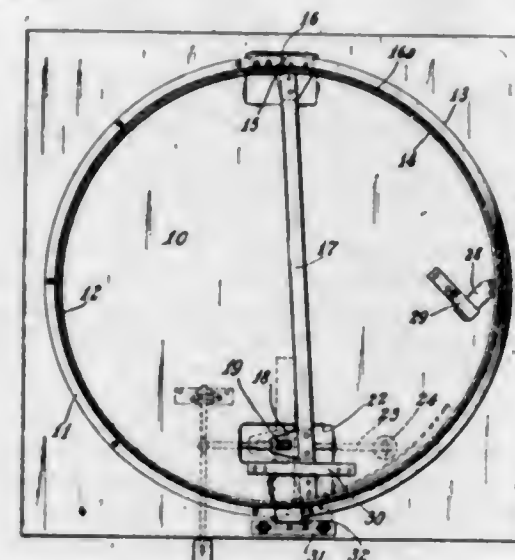
1,515,626. CONVERTIBLE END GATE. ULYSSES G. SHIPMAN, O'Neill, Nebr. Filed May 7, 1923. Serial No. 637,313. Renewed Oct. 6, 1924. 1 Claim. (Cl. 296-58.)



A vehicle body having trunnions on its sides, adjacent its rear and open end, a bar secured to the lower corner of the said end of the body projecting therebeyond and notched to provide cross sectionally round bearings, a scoop board having sides which extend beyond one end thereof and which are notched, curved wear plates in the notches to be received on the bear-

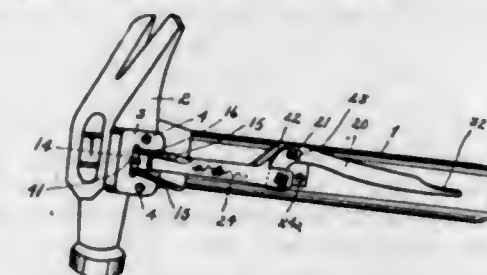
ings of the bar, curved slotted links each having one arm notched at spaced intervals and widened at one end pivotally secured to the scoop board and guided over the trunnions, and means removable on the trunnions sustaining the links thereon.

1,515,627. APPARATUS FOR GAUGING ANNULAR ARTICLES. FLORAIN J. SHOOK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 30, 1922. Serial No. 532,526. 7 Claims. (Cl. 33-178.)



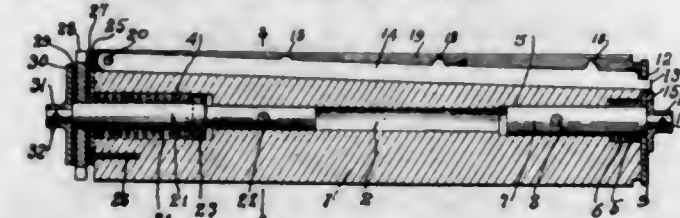
1. A ring-gauging device comprising a pair of members having arcuate ring-engaging surfaces, said members being hinged together, means for turning one of said members about said hinge to gap said members apart, and a scale bridging the gap thus formed.

1,515,628. ATTACHMENT FOR HAMMERS. ANDREW STERN, Gray, N. Y. Filed Apr. 15, 1924. Serial No. 706,782. 1 Claim. (Cl. 145-30.)



In an attachment for hammers, a stationary jaw to be fastened to the side of a hammer having a handle, a movable jaw adapted to slide in said first named jaw, said jaws being grooved to retain a staple, a bell crank adapted to be fastened to the handle of the hammer and connected with said sliding jaw for actuating the same into and out of gripping relation.

1,515,629. AUTOGRAPHIC REGISTER. MILTON C. STERN and HERBERT E. NETH, Dayton, Ohio, assignors to The Egly Register Company, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 14, 1923. Serial No. 662,722. 8 Claims. (Cl. 242-74.)



1. In a rewind roll, a cylinder for supporting the paper, a groove therein communicating with the exterior thereof, a gripper finger bar pivoted thereon below the

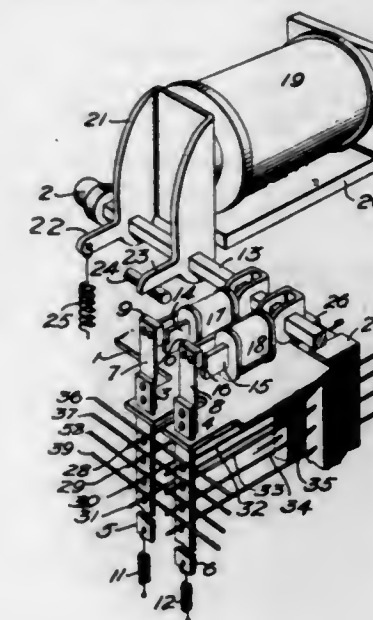
surface of the roll in said groove, a plurality of gripper fingers mounted on said bar, an axle supporting said roll, an actuator disc mounted on said axle engaging with one end of the gripper bar and adapted upon being rotated to vary the fingers on the gripper bar with respect to the roll.

1,515,630. LENS. HARRY H. STYLL and EDGAR D. TILLYER, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 18, 1922. Serial No. 555,069. 4 Claims. (Cl. 88-54.)



1. A blank for a multifocal lens, comprising a blank body with a recess adapted to receive a segment of higher index, the inner face of the recess being an optical surface whose center of curvature lies on a line normal to the blank body at one edge of the recess.

1,515,631. SWITCHING DEVICE. HERBERT BELL TAYLOR, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 7, 1921. Serial No. 513,282. 11 Claims. (Cl. 179-225.)

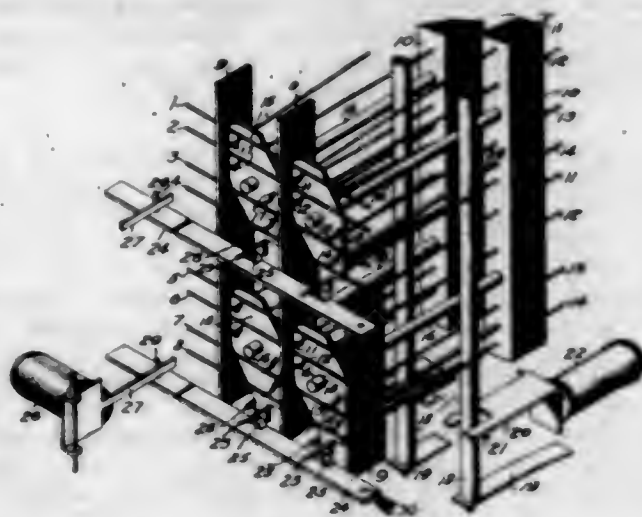


1. In a switching device, electrical contact elements for establishing circuit connections, an operating bar for moving said contact elements into engagement with each other, a rotatable rod, an electromagnet secured to said rod and rotatable therewith, means controlled by the electromagnet for connecting said operating bar to the rotatable rod, and an electromagnet for rotating said rod to move said bar.

1,515,632. AUTOMATIC TELEPHONE SWITCH. HERBERT B. TAYLOR, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,276. 4 Claims. (Cl. 179-27.5.)

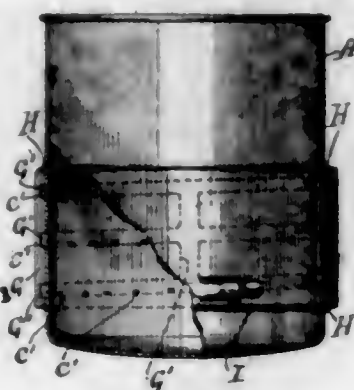
1. In a switch structure, a grid comprising a plurality of substantially parallel wires, said wires being arranged in sets of one or more, a plurality of rows of sets of wire contact springs disposed at right angles to said first mentioned wires, said contact springs each being fixed at one end and having their free ends extending through said grid, each set of contact springs in a row

being associated with a different set of said parallel wires and adapted for engagement therewith, a pivoted member for each of said sets of contact springs, said pivoted members each being provided with an elongated aperture for each contact spring in its associated set, each of said contact springs extending through one of said apertures, and means for rotating said pivoted members selectively whereby the selected sets of contact



springs are operated, said means including two groups of longitudinally movable bars, the bars of one group being individual to said sets of parallel wires and the bars of the other group being individual to said rows of contact springs, the conjoint operation of a bar of each group being effective to selectively operate one of said pivoted members.

1,515,633. MIXING AND BEATING MACHINE. HENRY TRUST, Park Ridge, N. J., and FRANK M. ASHLEY, Brooklyn, N. Y.; Josephine Trust administratrix of said Henry Trust, deceased. Filed June 16, 1920. Serial No. 389,340. 4 Claims. (Cl. 259-102.)

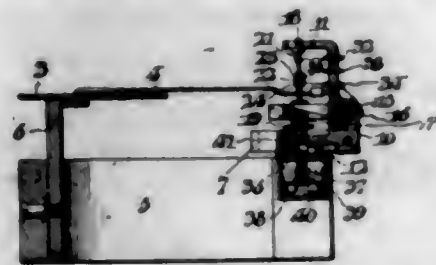


1. In a mixing and beating machine including a beater, a receptacle in the form of a bowl having a smooth interior, a band mounted on the outer surface of the bowl, a conduit formed between the band and the adjacent bowl portion to encircle the latter in air tight relation to the exterior, openings leading from the conduit through the wall of the bowl to form outlets, and an inlet for the conduit formed in the band directly communicating with all of said outlet openings and adapted to be connected to a fluid pressure source, said outlets being arranged in vertical and in horizontal spaced relation for directing the fluid from the conduit into the path of movement of the said beater.

1,515,634. ELECTRICAL MEASURING INSTRUMENT. CHARLES E. VAWTER, Philadelphia, Pa. Filed Oct. 10, 1919. Serial No. 329,745. 3 Claims. (Cl. 171-95.)

1. An instrument of the class described comprising a magnet for producing a magnetic field, a movable element comprising a pair of coils rotatable in said field and an indicating pointer associated therewith, said

coils being adapted for connection respectively in a circuit with a fixed resistance and with the resistance to be measured, a specially shaped core of magnetic material positioned within said field for determining the distribution of magnetic flux along the paths traversed



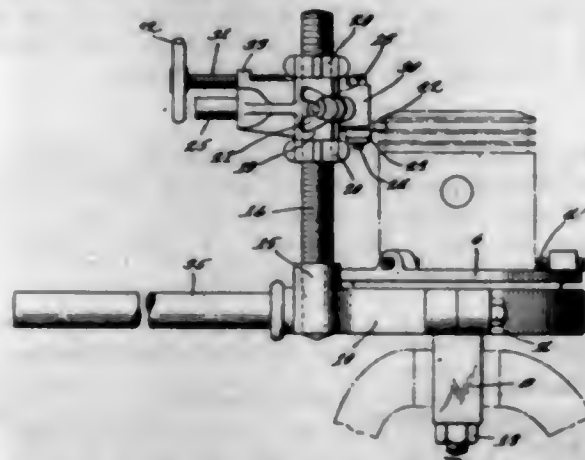
by said coils, the portion of the core adjacent one of said coils being tapered off sharply and falling short of the limit of movement of the coil to thereby effect an abrupt reduction of the magnetic flux at that portion of the path of movement of the coil.

1,515,635. INDUCTANCE COIL FOR RADIOCOMMUNICATION. LEWIS E. WACKERLE, Jacksonville, Ill. Filed Apr. 2, 1923. Serial No. 629,521. 5 Claims. (Cl. 175-359.)



2. A coil of the class described comprising a hub, a series of spokes radiated from said hub, and a winding consisting of wire arranged in convolutions supported on said spokes, each convolution being woven back and forth across the spokes, each successive convolution being arranged in staggered relation to the next antecedent convolution, said spokes having one edge inclined with respect to a plane passing perpendicularly through the axis of the hub, said inclined edges being arranged to form a shallow dish in one side of the coil.

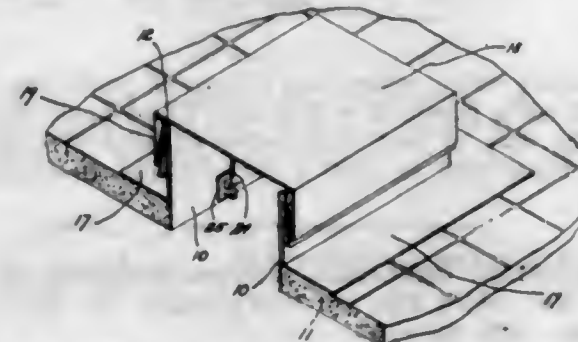
1,515,636. METAL-CUTTING TOOL. JAMES WAGNER, Jr., Cleveland, Ohio. Filed May 2, 1923. Serial No. 636,182. 4 Claims. (Cl. 82-4.)



3. A tool of the kind described having a circular base provided with means to clamp an article thereon, a ring revolvable around the base, a pair of uprights projecting from the ring and above the base, a yoke adjustable up and down on the uprights, and a tool

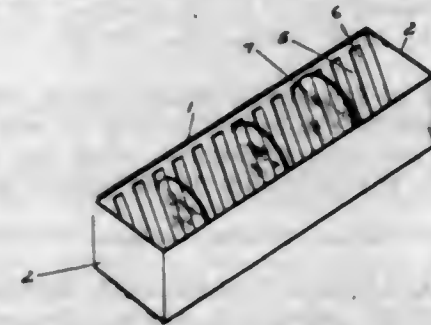
holder movable radially on the yoke, the ring, uprights, yoke, and tool holder being revolvable around an article supported on the base.

1,515,637. ROOF SCUTTLE. PAUL C. WOLF, Elmhurst, N. Y. Filed May 2, 1924. Serial No. 710,485. 4 Claims. (Cl. 108-31.)



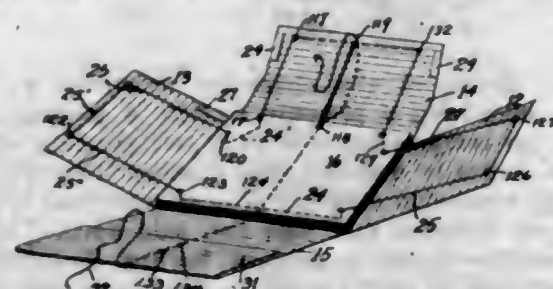
1. A scuttle comprising walls forming a rectangular outline, the upper edges of said walls being turned downwardly externally, plates extending on an outwardly inclined plane from said turned-down portion, a width of material extending from the lower edges of the inclined plates forming braces for retaining said inclined plates in position, the material after forming braces being bent upwardly and near the upper end of the walls being again turned downwardly and a ledge extending outwardly from the last-mentioned length of material forming a support for the scuttle over a roof opening, and a cover adapted to fit over said scuttle in a leak-proof manner.

1,515,638. BOX. ROBERT M. WASON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 6, 1922. Serial No. 534,612. 3 Claims. (Cl. 206-16.)



1. The combination with a box, of a lens holder for use in connection therewith having a portion resting on the bottom of the box and slotted divergent portions rising therefrom and having their upper portions engaging the sides of the box, said upper portions terminating in downwardly deflected lens edge engaging members.

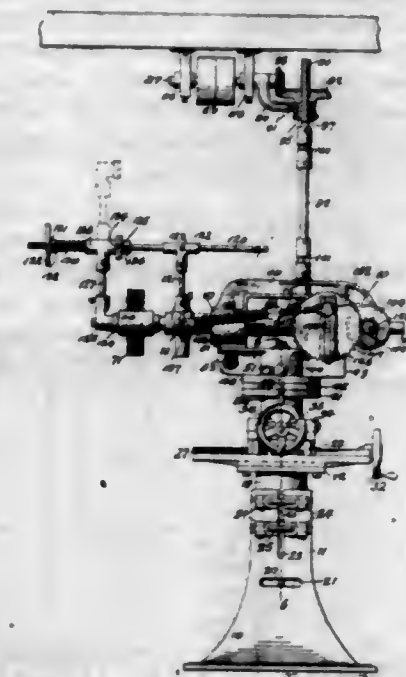
1,515,639. PORTFOLIO. LAURA S. WEBB, New York, N. Y. Filed June 1, 1922. Serial No. 565,117. Renewed Sept. 4, 1924. 8 Claims. (Cl. 129-1.)



1. A portfolio of the character described, comprising a rigid back portion, a back cover member, a single string secured to the back portion by said back cover member, partitions slidably mounted on said string, and means comprising side flaps and end flaps for entirely enveloping the aforesaid partitions.

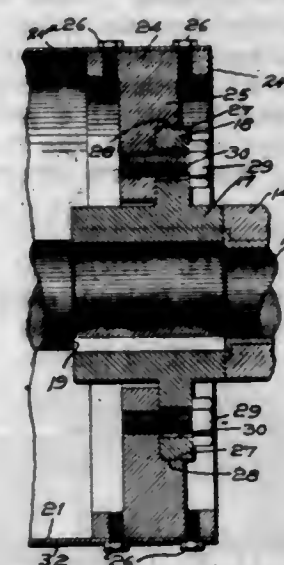
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1,515,640. BUFFING MACHINE. LEWIS W. WHEATON, Buffalo, N. Y., assignor to Automatic Buffing Machine Co., Buffalo, N. Y., a Corporation of New York. Filed Sept. 25, 1922. Serial No. 590,232. 17 Claims. (Cl. 51-237.)



1. In a machine of the character described, a hollow base having a tubular neck at its upper end and an internal web below said neck which is provided with a bearing opening, a table having a depending tubular shank slidable vertically in said neck and provided with an internal screw thread, and a rotatable adjusting screw having its lower part turning in said opening and provided with an external flange which rests on said web and having its upper part provided with an external screw thread which engages the thread of said shank.

1,515,641. DRUM-SAW MACHINE. WILLIAM M. WHITNEY, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1921. Serial No. 516,445. 4 Claims. (Cl. 143-85.)

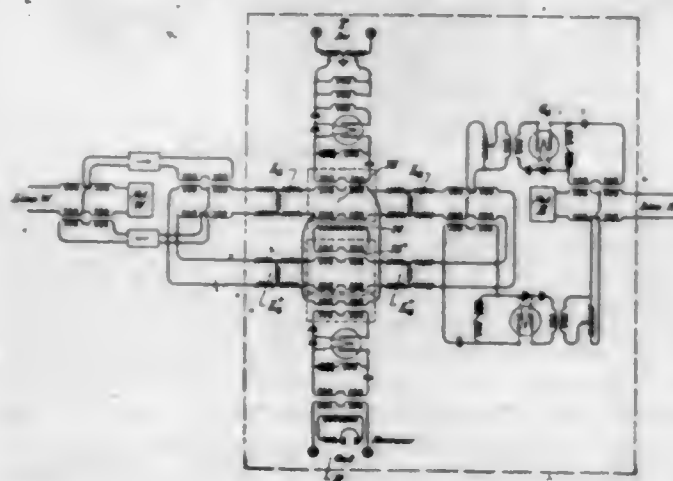


1. In a stave-sawing machine, the combination of a frame having spaced bearings, a horizontally extending shaft journaled in said bearings, a head having a hub fast on said shaft and having an outwardly-extending flange, a drum stave saw having saw teeth at one end thereof, a drum saw head having a radially extending annular flange provided with an annular recess having a centering surface to engage the said outwardly extending flange of the hub to center the one head upon the other, and bolts for removably clamping the outwardly extending flange of the hub within the recess of the flange of the drum saw head.

1,515,642. AGE-RESISTING RUBBER COMPOSITION AND METHOD OF PRODUCING THE SAME. HERBERT A. WINKELMANN and HAROLD GRAY, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 2, 1923. Serial No. 629,511. 11 Claims. (Cl. 18-50.)

1. The method of producing a rubber composition which comprises adding to a rubber compound of established vulcanizing characteristics an aldehyde-amine reaction product which is substantially a non-accelerator of vulcanization in said compound.

1,515,643. TRANSMISSION CIRCUITS. SUMNER B. WRIGHT, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 3, 1923. Serial No. 672,535. 4 Claims. (Cl. 179-170.)



1. An arrangement for establishing a three-way connection at a repeater point on a two-wire repeater circuit comprising artificial lines included in the transmission circuit for producing a loss at the repeater point, and an auxiliary repeater having gains sufficient to make up for the loss introduced by the artificial line sections, and means to associate a three-way connection with the transmission circuit at a point between the artificial line sections such that the transmission level is substantially the same in both directions.

1,515,644. ELECTRICAL IGNITER. JAMES WYLD, Queen's Island, Belfast, Ireland, assignor to Harland and Wolff, Limited, Belfast, Ireland. Filed Apr. 25, 1921. Serial No. 464,363. 4 Claims. (Cl. 175-116.)



1. In an electrical igniter the combination of a fixed carbon, a movable carbon, means for supplying current to the carbons, housings for said carbons, an insulating tube connected to the housing for said movable carbon, a rod of conducting material located within said tube and connected to the movable carbon and means located at a distance from the carbons and adapted to bring the said carbons together to strike an arc.

1,515,645. VALVE. MAX YABLICK, Newark, N. J. Filed Apr. 14, 1922. Serial No. 552,529. 22 Claims. (Cl. 251-122.)



1. A flutter valve comprising a pair of walls, one of said walls being provided with a neck at an angle thereto and the base of said neck being adapted to engage with the other wall to form a valve-closing mechanism.

1,515,646. SLUB CATCHER. JOSEPH ZORECZKY, Bethlehem, Pa. Filed Feb. 16, 1924. Serial No. 693,311. 1 Claim. (Cl. 28-70.)

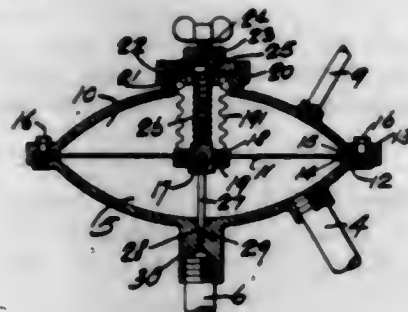


In a slub catcher, a body portion, a jaw removably secured to the body portion and having an opening adjacent to the inner end thereof, said body portion having a dovetailed groove, a movable jaw having a dovetailed portion fitted in the groove, and an adjusting screw extending through the opening in the first mentioned jaw and operating to move the movable jaw with respect to the first mentioned jaw.

1,515,647. METHOD OF LAUNDERING. RALPH A. AIRHEART, Seneca, Mo., assignor to American Tripoli Company, Seneca, Mo., a Corporation of Missouri. Filed May 8, 1922. Serial No. 559,477. 6 Claims. (Cl. 8-8.)

1. A method of laundering fabrics which consists in producing a detergent solution, adding to said solution a quantity of soft cryptocrystalline silica and agitating said solution to mix said silica in suspension therein.

1,515,648. EXPANSION VALVE FOR REFRIGERATING MACHINES. MERVIN V. ARNOLD, Evansville, Ind. Filed Jan. 11, 1924. Serial No. 685,580. 4 Claims. (Cl. 50-23.)



4. In a device of the character described a valve chamber, comprising a pressure section, a passage leading from the compression side of a refrigerating system thereto, a centrally disposed pipe leading from the said boss to the expansion chamber of a refrigerating system, a valve seat between said pipe and said section, and a vacuum section having a passage leading therefrom to the vacuum side of said system; a diaphragm separating said sections, having its periphery clamped between the peripheral edges of said sections and sealed to each of them, a central opening through said diaphragm, a flanged member, means clamping and sealing said diaphragm to said member, a valve stem secured into the said flanged member, and having a valve thereon co-

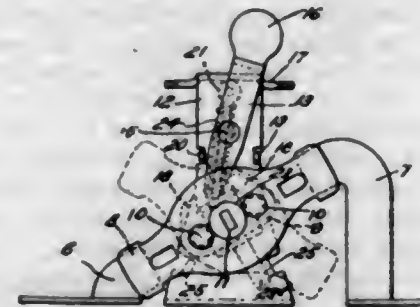
operating with said seat, a centrally disposed boss extending from said vacuum section, an outwardly disposed annular seat formed in said boss, an annular plate adapted to seat thereagainst, a cylindrical metal bellows hermetically sealed between said annular flange and said flanged member, means securing and sealing said annular plate, and means for regulating the tension against said diaphragm.

1,515,649. HYDRODROME. FREDERICK W. BALDWIN, Baddeck, Nova Scotia, Canada. Filed May 14, 1921. Serial No. 469,725. 10 Claims. (Cl. 114-66.5.)



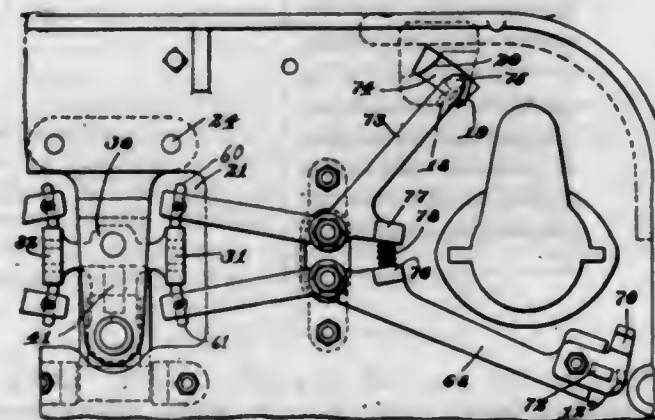
1. A device of the class described comprising, in combination, a locomotive hydrodrome car, one or more trailer cars connected in series to said hydrodrome car, and a hydrofoil set adjacent one end only of each of said trailer cars for supporting the latter when in motion.

1,515,650. TUMBLER SWITCH. HAROLD G. BAXTER, Baldwin, Long Island, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1921. Serial No. 435,829. 6 Claims. (Cl. 200-67.)



1. In an electric switch, the combination with a frame, of a pair of movable contact members, carriers for the contact members, a shaft pivoted in the frame and secured to the carriers, a bracket secured to the shaft, an operating lever pivoted in the frame, a compression spring having one of its ends secured to the frame and its other end abutting against the bracket, and means whereby movement of the operating lever shifts the position of the lower end of the spring to change the direction of pressure exerted on the bracket.

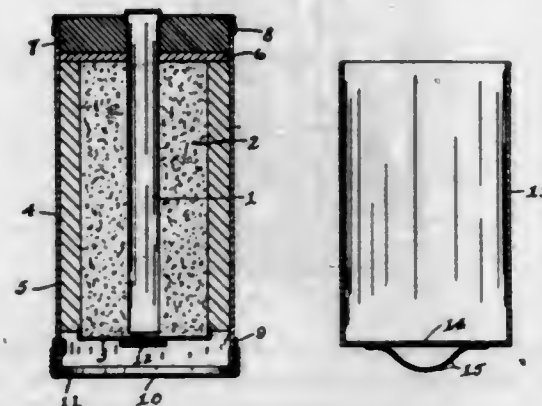
1,515,651. SPINNING OR TWISTING FRAME. HERBERT G. BEEDE, Pawtucket, R. I. Filed Feb. 3, 1922. Serial No. 533,797. 10 Claims. (Cl. 192-135.)



1. In combination with the head end door of a spinning or twisting frame having a device for stopping its operation, a spring pressed latch carried by said door and

normally engaging a fixed element of the frame for holding the door in closed position, a lever having an element normally positioned relatively to said latch to prevent disengagement thereof from said fixed element, and means operative, concomitantly with actuation of the stopping device for moving said lever whereby to permit disengagement of said latch.

1,515,652. ELECTRIC BATTERY. HARRY F. FRENCH and RAYMOND C. BENNER, Fremont, Ohio, assignors to National Carbon Company, Inc., a Corporation of New York. Filed July 30, 1919. Serial No. 314,197. 30 Claims. (Cl. 136-38.)



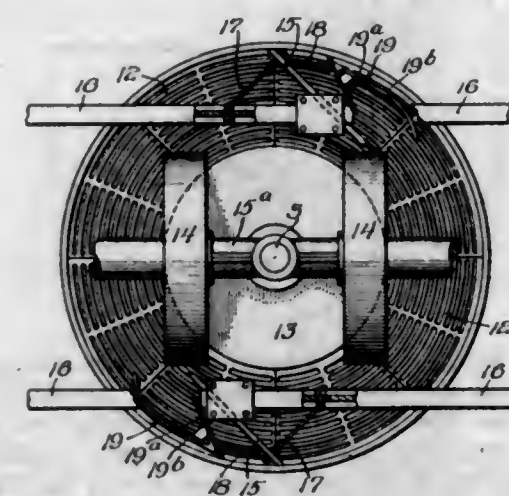
1. In electric batteries, a moist mix, an electrode in said mix, an insulating carton surrounding the mix, means for closing one end of the carton, a removable cover on the other end of the carton and a second electrode adapted to be inserted in the carton around the mix when the cover is removed.

1,515,653. GLASS SPONGE AND PROCESS OF MAKING SAME. AXEL E. BERTELSON, New York, N. Y. Filed Nov. 7, 1923. Serial No. 673,372. 3 Claims. (Cl. 49-77.)

2. A process of making a sponge-like product which comprises mixing glass wool with a salt which is substantially inert to glass, heating sufficiently to sinter the glass, cooling and leaching out the salt.

3. A sponge like structure composed of a mass of numerous filamentous pieces of glass, sintered together at the points of contact with each other.

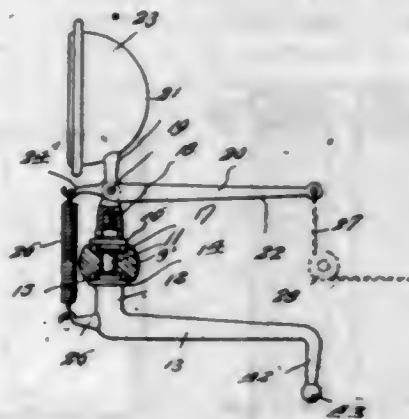
1,515,654. GRINDING MILL. THOMAS E. BURNER, Carthage, Ill. Filed Feb. 28, 1923. Serial No. 621,715. 4 Claims. (Cl. 83-45.)



1. In a grinding mill, the combination with a rotating pan having a wearing surface and a grated bottom, of grinding members coacting with the wearing surface to

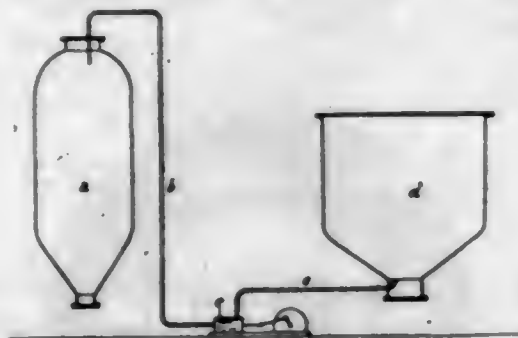
grind materials, stationary members adapted to push the materials beneath the grinding members with the rotation of the pan, plow-shaped scraping means floating on the grates, chain hitch connections between the scrapers and the stationary members.

1,515,655. DIRIGIBLE-HEADLIGHT CONSTRUCTION. JAMES T. CARTER and GEORGE EVAN WATKINS, Milton, Okla. Filed July 31, 1923. Serial No. 634,843. 1 Claim. (Cl. 240-61.)



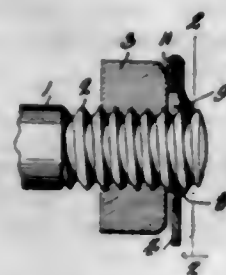
A dirigible headlight support comprising a vertically disposed post, a lever fulcrumed upon the upper end of the post at a point between its ends, means for turning the post and swinging the lever simultaneously, an arm mounted upon the lever and disposed vertically above the point of pivotal connection between the lever and the post, a lamp carried by the arm, a spring connected at one end with the forward end of the lever, and connected at its other end with the lower portion of the post, and serving to hold the lamp at a normal position, a flexible cable connected with the rear end of the lever, pulleys journaled at fixed points below the rear end of the lever, said cable being trained under said pulleys, and cable winding means connected with the rear end of the cable adapted to be positioned upon a fixed support.

1,515,656. METHOD OF REGENERATING SULPHUROUS ACID AND THE HEAT OF THE WASTE GAS FROM CELLULOSE BOILERS. HANS CLEMM, Mannheim-Waldhof, Germany, assignor to Zellstoffabrik, Waldhof, Mannheim-Waldhof, Germany. Filed Nov. 27, 1922. Serial No. 603,567. 3 Claims. (Cl. 23-1.)



1. The herein-described method of regenerating sulphurous acid and heat from waste gas contained in cellulose boilers which consists in withdrawing the mixture of vapor and gas therefrom to a degree to produce a partial vacuum in the boiler, and in conveying the vapor and gas to a place of use, whereby not only the sulphurous acid contained in the gas chamber of the boiler is withdrawn but also the major part of the sulphurous acid contained in the liquor in the boiler is withdrawn and regenerated.

1,515,657. NUT LOCK. CHARLES R. COCHRAN, Jerome, Ariz. Filed Mar. 9, 1923. Serial No. 624,040. 2 Claims. (Cl. 151-30.)

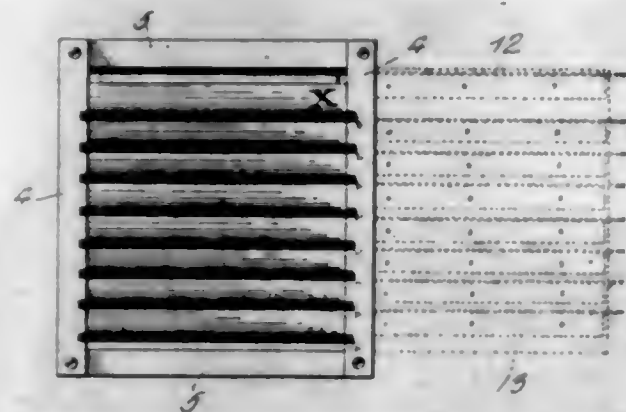


1. A nut lock comprising a ring or washer having an opening, a thread segment projecting in the opening coplanar with the ring or washer, a second thread segment projecting in the opening out of alignment with the ring or washer, and a nut engaging lip formed on the perimeter of the ring or washer and bent over a space of the ring or washer opposite to that from which the second segment extends.

1,515,658. PROCESS FOR COATING ALUMINUM. THOMAS CHARLES COLE, Southbridge, Mass. Filed Dec. 4, 1919. Serial No. 342,515. 2 Claims. (Cl. 91-68.3.)

1. A process for plating aluminum articles, first consisting in preparing the article by immersing the same in a solution of substantially one part sal soda and substantially thirty-two parts water, by weight, charging the solution with a substantial steady current of electricity, the electro-chemical action of the solution rapidly cleansing the aluminum article, rendering the surface thereof more susceptible to a subsequent substantial permanent plating, then removing the article from the electrified cleansing solution, and immersing it in a bath of copper cyanide saturated solution which is subjected to heat substantially one hundred and ninety degrees Fahrenheit, thereby generating a galvanic action which, due to the surface having previously received its preparation from the electro-chemical action, the aluminum article will take on a substantial permanent plating.

1,515,659. SORTING DEVICE. GEORGE W. COX, JR., Washington, D. C., assignor to National Assorting Company, Washington, D. C., a Corporation of Delaware. Filed Feb. 3, 1921. Serial No. 442,065. 5 Claims. (Cl. 211-36.)



1. A device for sorting papers or the like, comprising a series of substantially vertical open topped pockets arranged in horizontal alignment, an inclined guide plate overlying each pocket and provided with a terminal leading into the next adjacent pocket, a deflector wall positioned behind the pockets, and a holding member positioned behind the closure member for holding the same in place.

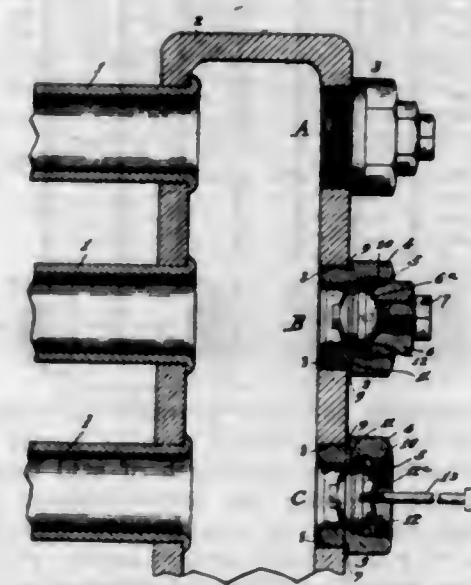
tioned adjacent and at an angle to the guiding surface of said plate, and means carried by said plate for causing the papers to assume a horizontal position when leaving the latter.

1,515,660. MEASURING INSTRUMENT FOR VACUUM TUBES. GEORGE CAISSON, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 9, 1921. Serial No. 499,363. 6 Claims. (Cl. 179-171.)



1. In a circuit for testing the characteristics of vacuum tubes, a potentiometer circuit for balancing input voltage against output voltage, and mutual inductance means for compensating for phase shift between the input and output voltage.

1,515,661. COMPOUND PLUG. WALTER M. CROSS, Kansas City, Mo. Filed Feb. 18, 1920. Serial No. 359,642. 7 Claims. (Cl. 220-39.)

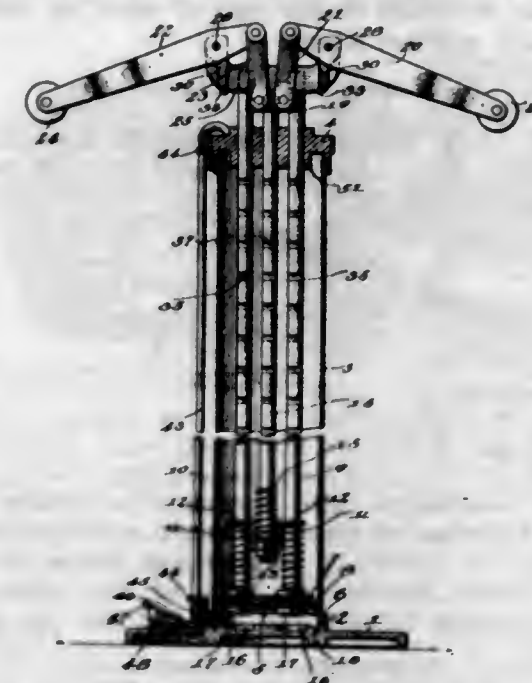


1. A removable closure for tube headers comprising a closure member adapted to be seated in a cleaning aperture, a holding member positioned behind the closure member for holding the same in place, means on the interior of the cleaning aperture by which the holding member is held, and a second holding member screw-threaded into the first holding member.

1,515,662. PUMP. WILLIAM RICHARD DE MORE, Jacksonville, Fla. Filed Jan. 18, 1924. Serial No. 687,071. 12 Claims. (Cl. 230-27.)

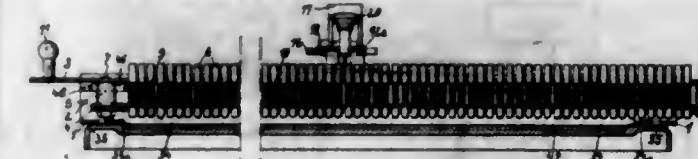
1. A pump comprising a cylinder, a piston, a plurality of rods connected with the piston, a plurality of lever forming handles for direct reciprocation of the piston

for a portion of the stroke of said piston, fulcrums for the levers, and means causing one of the rods to remain stationary when the levers are rocked on the fulcrums and for permitting reciprocation of the other rods to complete the stroke of the piston.



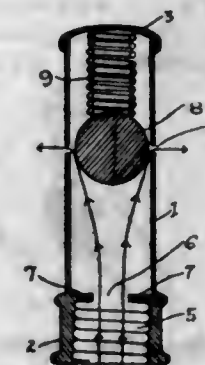
stationary when the levers are rocked on the fulcrums and for permitting reciprocation of the other rods to complete the stroke of the piston.

1,515,663. POCKET TYPEWRITING MACHINE. KARL DIETRICH, Leipzig, Germany. Filed Sept. 4, 1923. Serial No. 660,820. 19 Claims. (Cl. 197-56.)



1. A type-writing machine, comprising, in combination, two edge-wise arranged horizontal parallel spaced ledges, bows connecting them at their ends to form a stationary frame together with them, a shiftable frame located between said ledges, and resiliently supported vertical types in this frame, an inking band below said types, intermittently shiftable slides upon the stationary frame, and a key lever on said slides, as set forth.

1,515,664. AUTOMATIC BALL SPRAY NOZZLE. MILTON S. DUNKELBERGER, Dayton, Ohio. Filed June 25, 1923. Serial No. 647,595. 2 Claims. (Cl. 299-125.)



1. A nozzle comprising a barrel closed at the top and having a base portion providing an entrance for a fluid, an annular ledge in said base portion forming a seat, said barrel having a ring of holes above said seat, resilient means in said barrel above said seat, and a ball substantially equal in diameter to the diameter of the barrel, and free to be raised above said seat by the in-

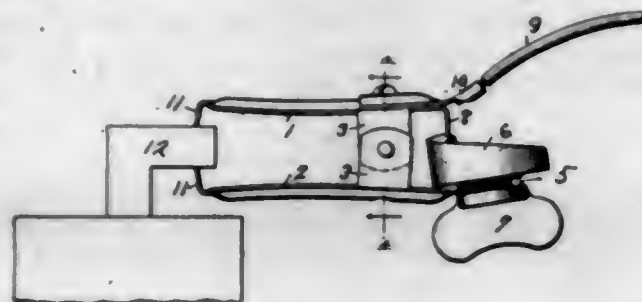
coming fluid, into engagement with the resilient means, where it will assume a position in which its equator will lie in the plane of the ring of holes for vibration against said resilient means.

1,515,665. TOE WEIGHT. THOMAS W. ECK, Chicago, Ill. Filed Nov. 16, 1922. Serial No. 601,260. 5 Claims. (Cl. 36-1.)



1. The combination with a shoe, of a weight fitted to the toe portion of the sole thereof, a retaining plate secured to the bottom of the sole and having upturned ears positioned opposite the edge of the weight, and fasteners passing through said ears and into the weight.

1,515,666. TERMINAL CLIP. JAMES K. ELDERKIN, Newark, N. J., assignor to Forest Electric Company, Newark, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 562,160. 4 Claims. (Cl. 173-273.)



3. A terminal clip comprising gripping levers pivotally connected by a pin arranged between and intermediately to the sides of said levers, said gripping levers being provided with cooperating gripping jaws on one side of the axis of said pin, a helical cam journaled in one of said gripping levers on the other side of said pin, and a cam follower mounted on the other of said gripping levers on the same side of the pin as said cam, said cam having a helical cam surface slidably engaging said follower.

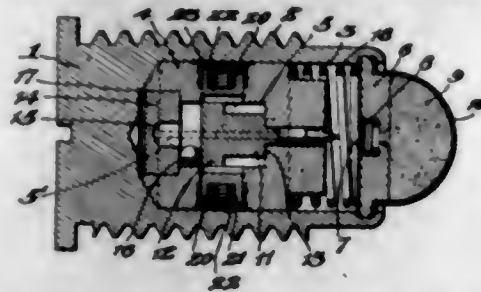
1,515,667. PROCESS FOR THE MANUFACTURE OF POCKETS OR CAPS IN ARTICLES OF HOSIERY. HERBERT E. ESCH, Chemnitz, Germany. Filed Nov. 13, 1922. Serial No. 600,680. 1 Claim. (Cl. 66-4.)



A process of manufacturing hosiery, having a pocket or cap, which consists in throwing out of action, at the commencement of the formation of the pocket, the greater number of the needles excepting those required for the pocket, then gradually bringing the needles back into action until reaching approximately the center line of the pocket, so as to form rows of stitches which gradually increase in length from the beginning of the pocket to its approximate center line, and then gradually throwing the needles out of action again until the

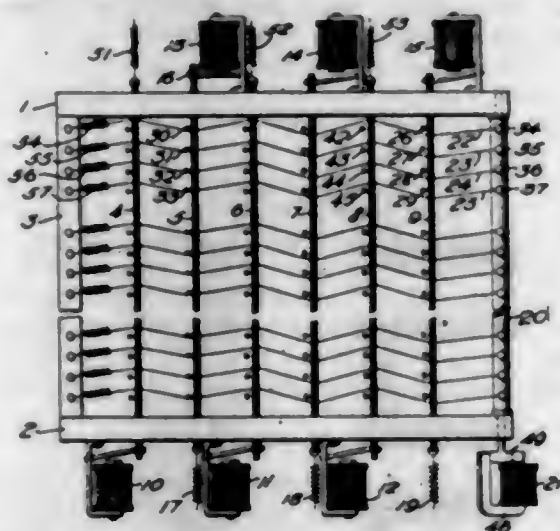
end of the pocket is reached, so as to form rows of stitches which gradually decrease in length from said approximate center line to said pocket end; substantially as described.

1,515,668. FUSE FOR PROJECTILES. MAX W. FISCHER, Washington, D. C., assignor to Harry J. Nichols, Washington, D. C. Filed Sept. 26, 1922. Serial No. 590,697. 11 Claims. (Cl. 102-39.)



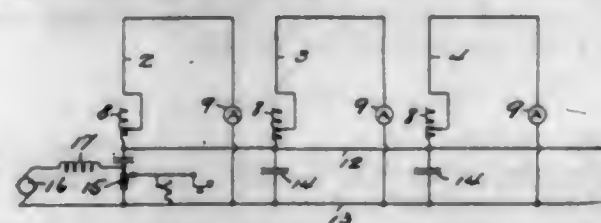
2. A fuse for projectiles comprising a casing, a plunger within said casing, a firing pin in said plunger adapted to creep to armed position, means for normally locking said pin in unarmed position, and a ball for locking said pin in armed position said ball being positioned rearwardly of said pin.

1,515,669. SWITCHING DEVICE. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,350. 12 Claims. (Cl. 179-225.)



1. In a switching device, a plurality of passive contact elements, an active contact element having a separate point of cooperation with each of said passive elements, means for moving the active element into engagement with any one of said passive elements, and means for moving the active element bodily while in engagement with one of said passive elements to produce a rubbing action between said active and passive contact elements.

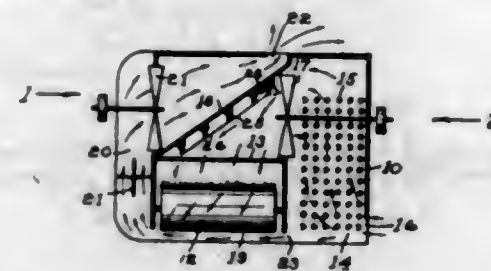
1,515,670. RADIOTELEGRAPHY. LEONARD F. FULLER, Barberton, Ohio, assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Sept. 25, 1919. Serial No. 326,344. 4 Claims. (Cl. 250-11.)



1. In a radio frequency transmission system, an ungrounded radiating circuit comprising a plurality of vertical loops in substantially the same plane, the vertical

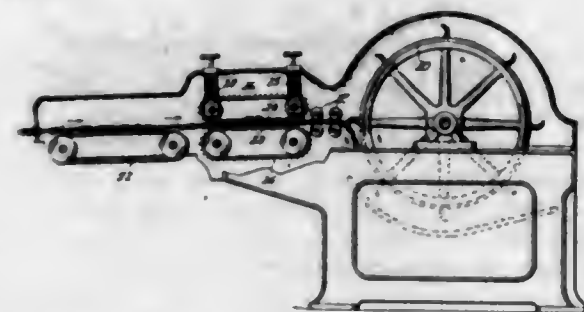
sides of adjacent loops being near each other, means for supplying current to each loop, of such phase that the currents in these adjacent vertical sides are opposed and substantially nullify each other, whereby the resistance losses in the entire structure may be maintained at a desired low value, and means for individually tuning the loops.

1,515,671. DRYING MACHINE. FRANK L. FURBUSH, Westford, Mass., assignor to C. G. Sargent's Sons Corporation, a Corporation of Massachusetts. Filed June 14, 1923. Serial No. 645,478. 6 Claims. (Cl. 34-12.)



2. In a drier, the combination with an endless apron for supporting the material to be dried, and a chamber in which it is located, of a coil box located at one side thereof for heating air, a blower for introducing the air so heated from the top of the coil box above both strands of the apron and through them, the chamber having means by which the air can escape at either side of the conveyor below the lower strand, one of said means being connected with the coil box, a blower for exhausting the air from the other side, and a damper in the conduit to the last named blower adapted to be adjusted to control the amount of air that can go to the blower, whereby the remainder of the air will be forced to go back into the bottom of the steam coils and be reheated.

1,515,672. FEEDING MECHANISM FOR PICKERS OR OPENERS. FRANK L. FURBUSH, Westford, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1924. Serial No. 693,950. 3 Claims. (Cl. 19-96.)



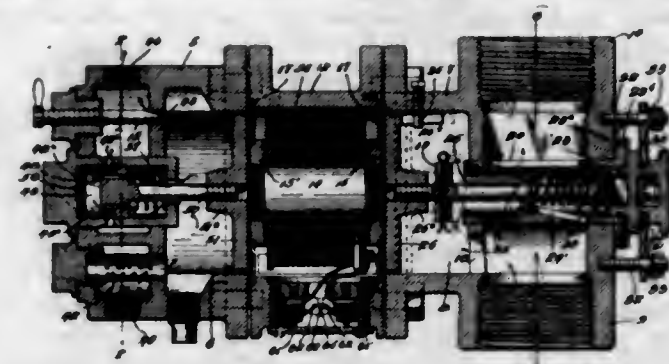
1. The combination with an opening or picking means, of a pair of feed belts for feeding the fiber thereto, said feed belts being operated positively and having a space between them for receiving the fiber, and teeth on both of said belts projecting backwardly at their points of engagement with the stock to prevent too rapid feed thereof.

1,515,673. ELECTROMAGNETIC CONTROL OF MULTIPLE VALVES. HARRY G. GRISINGER, Detroit, Mich. Filed Dec. 24, 1920. Serial No. 433,004. 8 Claims. (Cl. 137-130.)

1. A fluid controlling valve structure, comprising a plurality of valves, each controlling a separate fluid channel, and electro-magnet having separate armatures connected to said valves, said armatures being in series relation in the magnetic circuit.

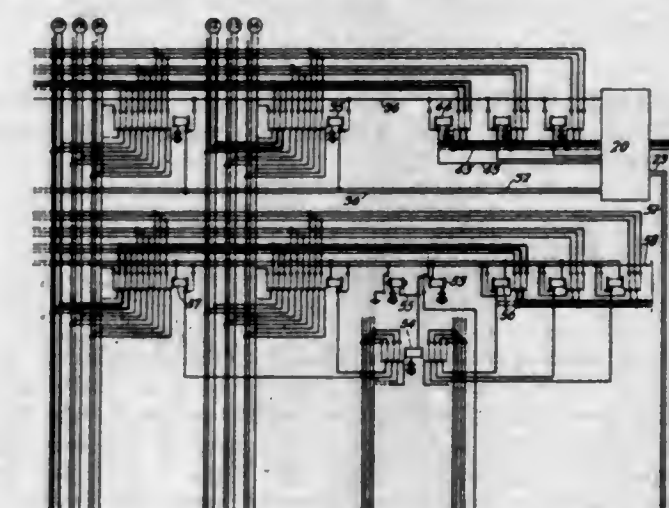
7. An electrically controlled fluid valve having inlet and outlet openings, a cylinder having a passage communicating with said inlet opening and a port communi-

cating with said outlet opening, a piston reciprocable in said cylinder to open and close said port, an electro-magnet operatively connected to said piston, said piston



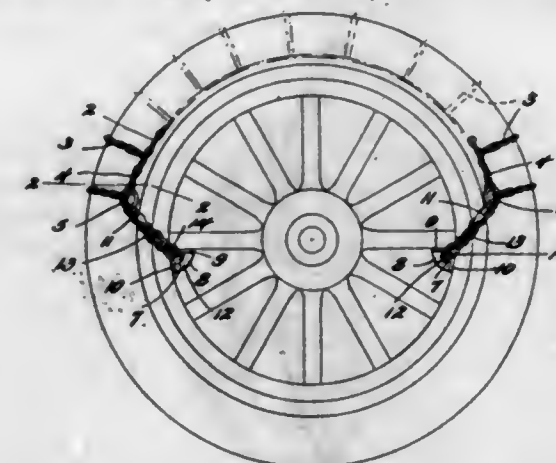
being provided with restricted passages through which the liquid must flow, said restricted passages serving to create a difference of pressure in the liquid upon opposite sides of the piston when said port is uncovered, said difference of pressure tending to close the valve when the magnet is deenergized.

1,515,674. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,678. 4 Claims. (Cl. 179-18.)



1. In a telephone system, a subscriber's line, a line relay therefor, a link circuit, a trunk, means controlled by said line relay for connecting said line to said link circuit, a subscriber controlled switching device for disabling said connection, and means thereupon controlled by said line relay for connecting said line to said trunk.

1,515,675. AUTOMOBILE CHAIN. EDWARD E. GOVIN, Menomonee, Wis. Filed Nov. 14, 1923. Serial No. 674,688. 4 Claims. (Cl. 152-14.)



4. An anti-skid chain for automobile wheels, comprising a transverse member, a cross portion of chain secured to each end of the transverse member, a metal block comprising angled portions adapted to lie against a spoke

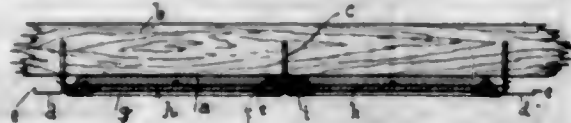
and the felly of the wheel respectively, a web portion connecting the angled portions and having an aperture therein and through which one of the cross portions passes, and means for connecting the free ends of cross portions.

1,515,676. METALLIZED PRODUCT. WILLIAM F. GRUBB, Lyndhurst, N. J., assignor to Peerless Roll Leaf Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 28, 1923. Serial No. 677,386. 7 Claims. (Cl. 41—37.)



1. A metallic medium comprising a carrier strip, a layer of releasable composition on one face of said strip, a metallic layer disposed on said layer of releasable composition and an outermost layer comprising sizing admixed with a material for increasing the lustre of the metallic layer.

1,515,677. CEILING. OTTO HARTMANN, Essen, Germany. Filed Aug. 20, 1923. Serial No. 658,390. 3 Claims. (Cl. 72—20.)



1. A ceiling comprising single slabs forming a continuous surface and having long grooves in their undersides, downwardly inclined butt-edges on said slabs forming between said slabs free joints open at the top, fixed suspension straps embracing said slabs from below and having bent-up ends in engagement with said grooves at any point thereof, and wires integral with said slabs and freely projecting from said butt-edges into said joints, the wires of each two adjacent slabs being interlaced within said joints, substantially as set forth.

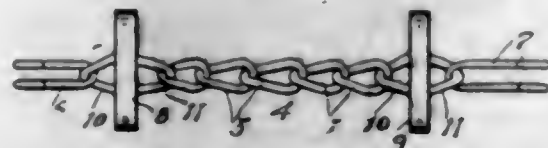
1,515,678. OPHTHALMIC MOUNTING. JOSEPH HENRY HEALEY, Vancouver, British Columbia, Canada, assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 30, 1923. Serial No. 628,760. 2 Claims. (Cl. 88—50.)



1. A device of the character described, the combination with a bridge member of a frame having one end secured to the bridge member, the frame and bridge hav-

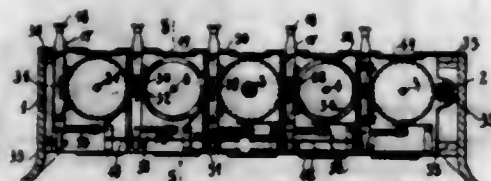
ing a recess formed adjacent the point of attachment adapted to receive the opposed end of the frame, a lateral projection on said opposite end spaced from said end, a securing screw for connecting the projection and bridge in spaced relation and a lever and actuating spring therefor surrounding the screw and disposed in the space between the bridge and the projection.

1,515,679. ANTISKID CHAIN FOR AUTOMOBILES. CARL O. HEDSTROM, Portland, Conn. Filed Mar. 9, 1923. Serial No. 623,576. 1 Claim. (Cl. 152—14.)



A cross chain having a series of intermediate links, bars located adjacent the ends of the said links and formed with integral eyes, which are located on the opposite sides of the bars, said eyes being respectively for the purpose of receiving the end hooks of the chain which are connected to the side chains and for connection with the series of links, the construction and arrangement being such that the chain may be reversed to present the inner surface to the roadway.

1,515,680. CODING AND DECODING MACHINE. ALBERT HENKELS, Langerfeld, near Barmen, Germany. Original application filed July 19, 1921, Serial No. 485,989. Divided and this application filed July 18, 1922. Serial No. 575,884. 13 Claims. (Cl. 35—13.)

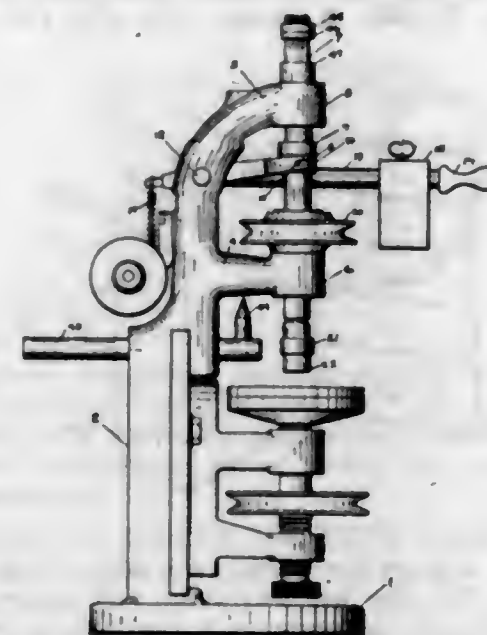


1. In a coding and decoding machine in combination, a plurality of supporting axes, series of coaxially spaced type carriers, loosely and rotatably mounted on said axes, driving means on both sides of said type carriers and adapted for operably connecting the adjacent series of carriers, means on the driving means of one side of alternating series of type carriers for intermittently interrupting the rotation of some of the carriers, and means of displacing the individual series relatively to each other.

1,515,681. LENS GRINDER. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 2, 1919. Serial No. 294,172. 3 Claims. (Cl. 51—131.)

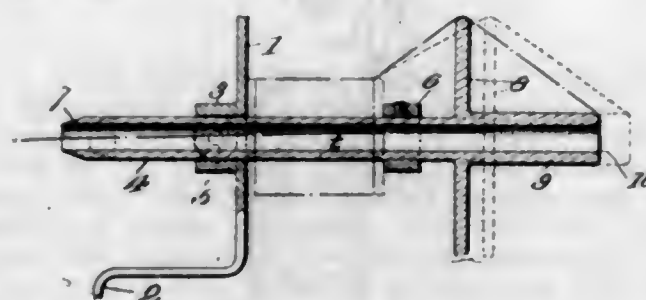
2. In a lens surfacing machine, a frame, tool and lens carrying spindles operatively mounted in said frame, one of said spindles having an angular adjustment about an axis to determine the curvature of the lens and which intersects the axis of one spindle, a gauge pointer mount-

ed to be adjustable toward and from the latter axis and having a gauge contact locatable in the first axis and capable of being swung out of the way, and means man-



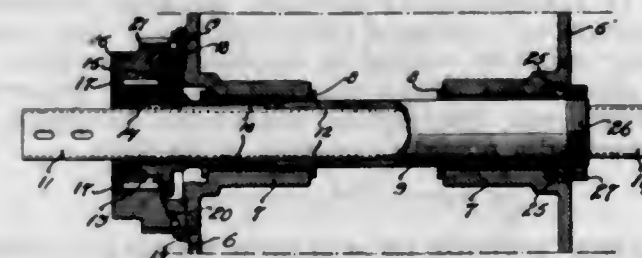
ually actuated for moving one of said spindles axially toward and from the other spindle to contact with the gauge pointer.

1,515,682. SPOOL HOLDER. CHARLES R. HUGHES, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 3, 1921. Serial No. 489,447. 5 Claims. (Cl. 242—124.)



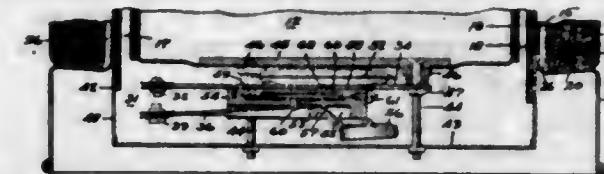
2. A spool holder including in combination, a bracket, a sleeve extending through said bracket and adapted to support the spool, an adjustable collar on the sleeve adapted to clamp the spool against the bracket to prevent the spool from turning, a disk on said sleeve between the collar and the outer end of the sleeve, and means for adjustably holding the sleeve in the bracket whereby the position of the disk relative to the spool may be varied.

1,515,683. SPINDLE BEARING FOR METAL-WORKING MACHINES. FRANK S. JONES, Philadelphia, Pa. Filed Feb. 13, 1923. Serial No. 618,788. 7 Claims. (Cl. 29—26.)



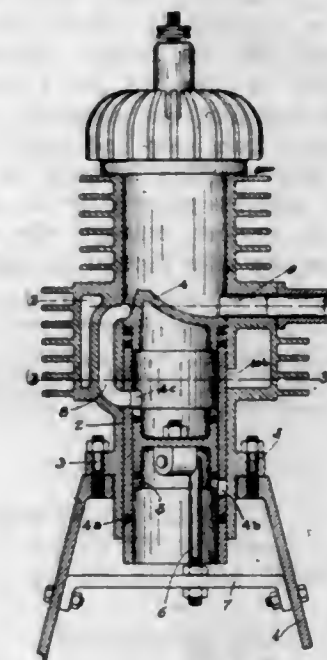
1. In a metal working machine, a saddle; a spindle; a sleeve spined to the spindle; an annular thrust plate secured to the saddle; a bull wheel secured to the sleeve and having a bearing opposed to the thrust plate, and means for taking wear of the bearings.

1,515,684. THERMOSTATIC CONTROLLER. ARTHUR J. KETCHUM, Berkeley, Calif. Filed Mar. 26, 1923. Serial No. 627,661. 16 Claims. (Cl. 200—140.)



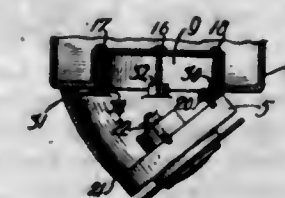
1. In a thermostat, a member movable in response to temperature variations, a buckled spring, a mechanical connection between the member and spring, whereby upon sufficient movement of the member, the spring may be sprung over, and means for setting the mechanical connection so as to determine the point of application of the force exerted by the member on the spring, whereby the temperature at which the spring operates may be controlled.

1,515,685. INTERNAL-COMBUSTION ENGINE. EDWIN T. KERSHAW, Denver, Colo. Filed Feb. 7, 1923. Serial No. 617,571. 5 Claims. (Cl. 123—74.)



3. The combination in an internal combustion engine having a separate initial compression space between its piston and an abutment telescoped by the latter, of a fuel storage chamber surrounding the engine cylinder and having a port which opens into the said compression space whereby the requisite charge of fuel may pass directly into the said space upon the said port being opened for the reception of fuel, the piston controlling the opening of said port.

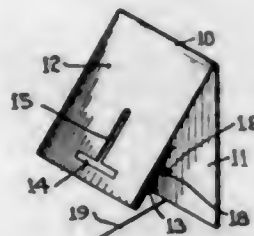
1,515,686. MOUNTING FOR CALLING DIALS. FRANK A. KUNTZ, Woodhaven, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 19, 1922. Serial No. 595,537. 5 Claims. (Cl. 179—90.)



1. In a telephone substation set, a mounting having a slanting circular face which slopes toward a narrow arcuate edge, a broad arcuate edge opposite the narrow

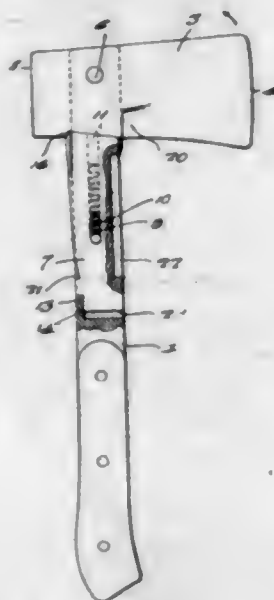
edge, and approximately perpendicular to the face, a coin collector housing and a calling dial, said mounting mounted upon said housing and said dial affixed to the mounting in such a manner that a person working outside the coin collector housing will be prevented from tampering with any mechanism enclosed within the mounting on the housing.

1,515,687. PRICE TAG. JESSE L. LEWIS, Allentown, Pa. Filed Apr. 2, 1924. Serial No. 703,808. 2 Claims. (Cl. 40—25.)



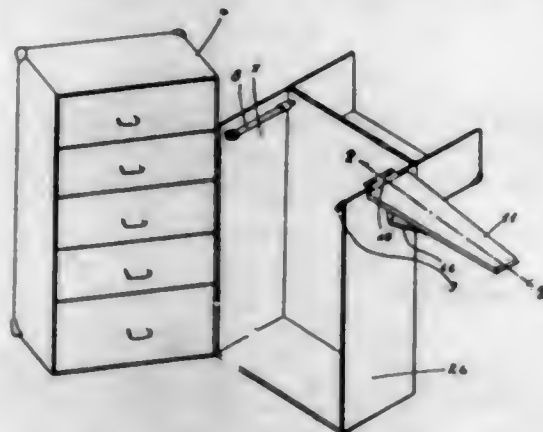
1. A price tag consisting of a strip of foldable material adapted to be doubled intermediate its ends to provide two ends, one end being provided with a T-shaped slot having the head of the T adjacent the end edge of the said end and the stem of the T extending longitudinally away from said end edge, and a bendable pin having its head portion secured to the remaining end of the strip and its point portion adapted to overlap the first end, project through the stem of the T and be moved to one side thereof to lock beneath said end.

1,515,688. FOLDING AX. IRA C. LOVE, Reece, Kans. Filed Apr. 18, 1924. Serial No. 707,460. 3 Claims. (Cl. 145—2.)



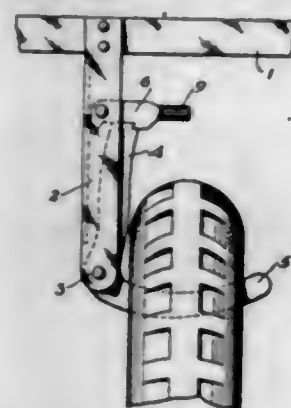
1. A folding ax comprising a bifurcated handle, an ax head pivotally supported in the outer ends of the bifurcated portion of said handle, a latch pivotally and slidably supported in the bifurcated portion of the handle, resilient means for normally urging the latch into engagement with the ax head for holding the same in an operative position, means for limiting the swinging movement of the latch in one direction, means for limiting the swinging movement of the ax head in one direction, said latch being provided with a slot for receiving the cutting edge of the ax head when the ax head is in an inoperative position.

1,515,689. IRONING-BOARD ATTACHMENT FOR TRUNKS. JOSEPH LUTTMANN, Cincinnati, Ohio, assignor to The Mendel-Drucker Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 3, 1922. Serial No. 548,965. 5 Claims. (Cl. 190—13.)



1. In a device of the class described the combination of a trunk, lugs on the trunk, an ironing board having slots into which the lugs may enter, and means on the board adapted to cooperate with the lugs in resisting pressure on the ironing board.

1,515,690. TIRE HANGER. PAUL L. MADON, Sacramento, Calif. Filed May 1, 1923. Serial No. 635,891. 3 Claims. (Cl. 211—17.)



1. A tire hanger, including a support, a bracket connected thereto, an L-shaped hook member pivoted to the bracket at the vertex of the angle and having one arm extending substantially vertically when in operative position, and a gravity latch adapted to cooperate with the vertically extending arm of the L-shaped hook member.

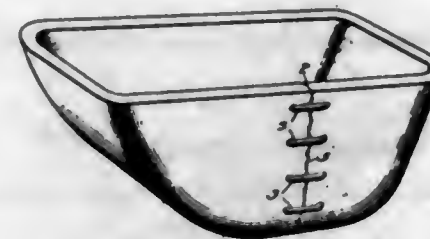
1,515,691. PROCESS OF PURIFYING TEXTILE FABRICATIONS. JOHN MARSDEN, North Dighton, Mass., assignor to Mount Hope Finishing Company, North Dighton, Mass., a Corporation of Massachusetts. Filed Nov. 11, 1922. Serial No. 600,453. 2 Claims. (Cl. 8—2.)

1. In a fiber-purifying operation, the steps comprising subjecting an unbleached fabrication to a cold conditioning operation serving to increase the reactivity of the non-cellulose components, and thereafter selectively oxidizing said non-cellulose components by means of a hypochlorite formed in presence of the fiber.

1,515,692. METHOD OF WELDING METALLIC STRUCTURES. ROYAL MATTICE, Philadelphia, Pa. Filed Feb. 9, 1924. Serial No. 691,640. 19 Claims. (Cl. 219—8.)

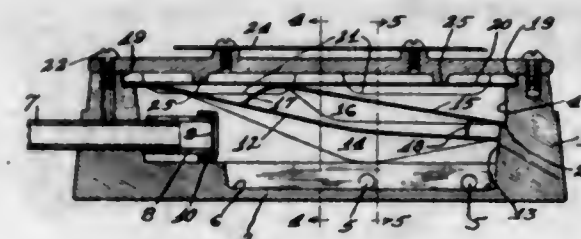
1. The method of connecting abutting metallic members which are subjected in use to comparatively wide fluctuations of temperature, which involves forming

an opening in each of said members, said openings being disposed in spaced relation on opposite sides of the abutting faces of said members, assembling with said members a metallic connecting element having angular



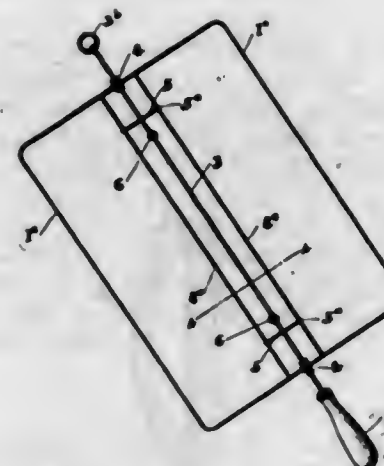
projections respectively adapted to enter said openings, said projections being entered in said openings, and securing said connected element in assembled relation to said members so as to retain said projections in said openings.

1,515,693. GAS-HEATED FLATIRON. HERMAN A. PAQUETTE, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,392. 2 Claims. (Cl. 158—23.1.)



1. A gas heated flat iron comprising a casing having a longitudinal recess and passages in the base plate thereof, a pipe projecting into the casing, a sleeve secured on the inner end thereof, a screen covering the inner end of said sleeve, a lower inclined baffle plate positioned within the casing with one end disposed above the pipe sleeve, an inclined intermediate baffle plate in said casing supported on said lower baffle plate, and an upper baffle plate in said casing supported by the casing and contacting said intermediate baffle plate.

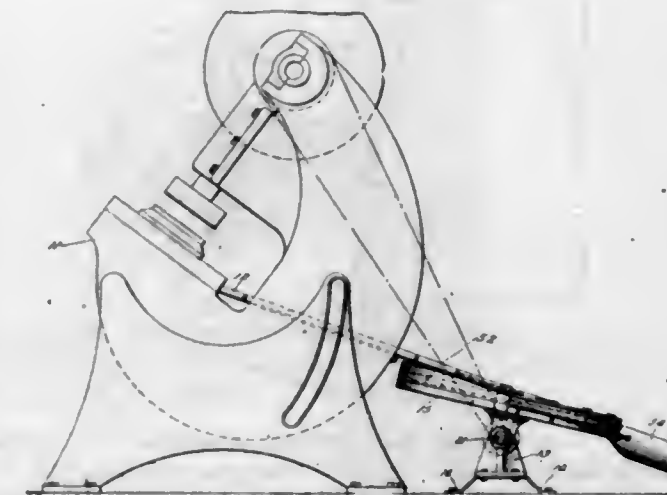
1,515,694. NEWSPAPER HOLDER. TERESA PEKLENK, Wayne, Nebr. Filed Oct. 23, 1922. Serial No. 596,478. 3 Claims. (Cl. 129—1.)



1. A device of the type described, including a frame comprising two sections, with longitudinal parallel members fixed to the end members thereof, a central longitudinal member having said sections hinged upon opposite sides thereof, said central member being provided

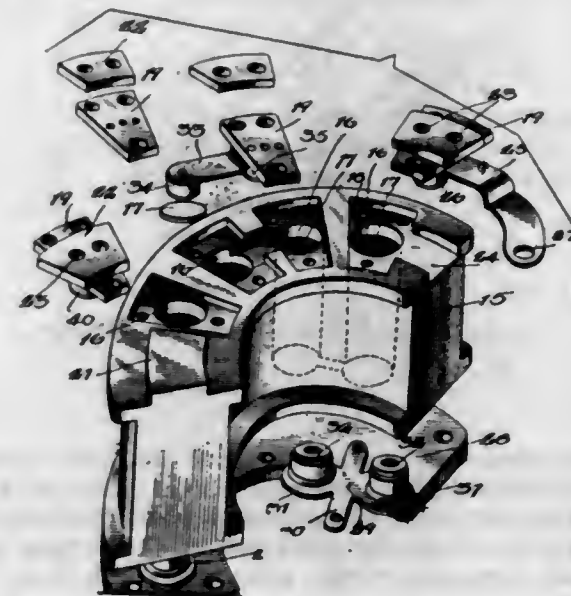
with paper clasps adjacent the lower and upper ends of said frame, and transverse supporting members fixed to said central longitudinal member and underlying said longitudinal parallel members.

1,515,695. MECHANISM FOR CURLING THE FLANGES OF CAN ENDS AND THE LIKE. JOHN FREDRICK PETERS, Rochester, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 12, 1921. Serial No. 469,073. 11 Claims. (Cl. 153—59.)



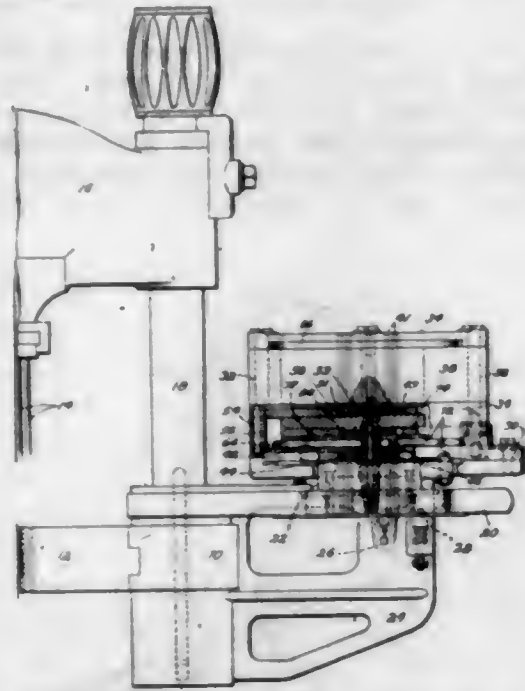
1. Mechanism for curling the flanges of can ends and the like, comprising inner and outer curling units having a common center, each of said units having a plurality of sets of cooperating curling grooves, said sets being arranged on different levels, and means for passing the ends through each of said sets of grooves.

1,515,696. POWER CONTROLLER. LAWRENCE PIGNANI and FRANK PIGNANI, Blairsville, Pa. Filed Sept. 10, 1923. Serial No. 661,976. 16 Claims. (Cl. 219—48.)



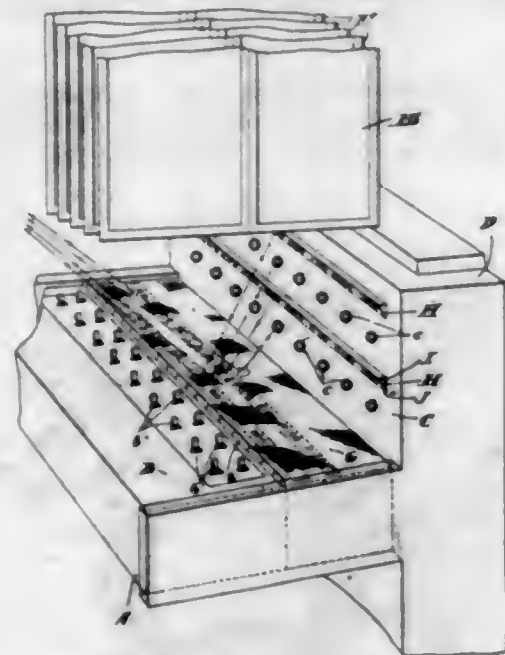
1. In a controller of the character described, a block of insulating material, a casing in which said block may be disposed, means whereby the block may be removably supported within the casing, and electrical contact elements carried by the block upon one face thereof, said elements being insulated from each other and arranged in circular formation, for the purpose described.

1,515,697. NAILING MACHINE. ELMER R. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 11, 1922. Serial No. 593,876. 33 Claims. (Cl. 1-39.)



1. In a magazine for nailing machines, a member having substantially vertical passages constructed and arranged to hold nails supported in series one upon another, and means for controlling the successive delivery from the lower end of each series.

1,515,698. OPERATOR'S STATION. JAMES H. RAND, North Tonawanda, N. Y. Filed Apr. 14, 1922. Serial No. 532,797. 10 Claims. (Cl. 88-1.)

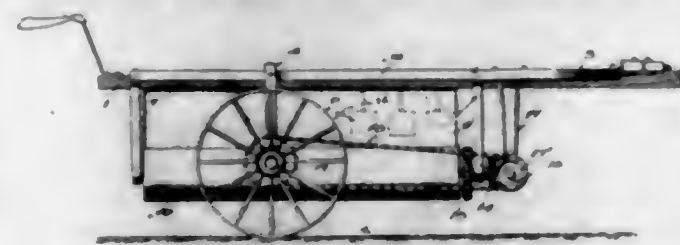


1. An operator's station having a series of actuators in front of the operator's position, a series of signals at a distance from the actuators, each signal corresponding to one of the actuators, and reflecting means positioned adjacent to the actuators at such an angle that each signal is reflected to the operator from a point adjacent to its corresponding actuator.

1,515,699. BOLL-WEEVIL DESTROYER. STANLEY D. REDWINE, Crab Orchard, Tenn. Filed Mar. 23, 1922. Serial No. 546,084. 1 Claim. (Cl. 43-133.)

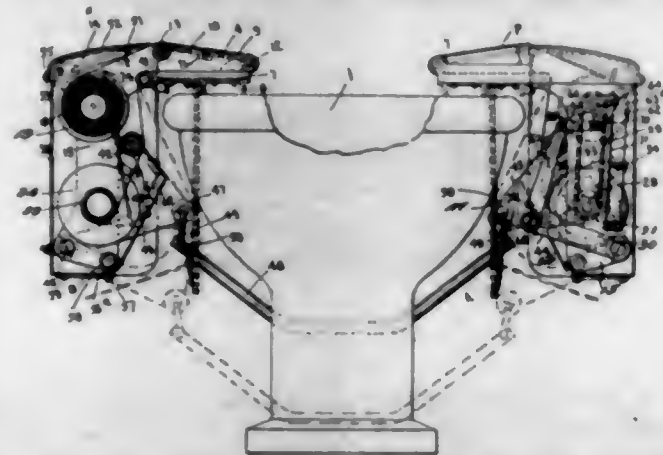
In combination, a frame, an axle beam of inverted U-shaped formation mounted on the frame so that its plane is disposed at right angles to the plane of the

frame, subaxles projecting outwardly from the terminals of the axle beam, wheels journaled on the subaxles, brackets depending from the frame, rollers journaled in the brackets, guide plates carried by the frame in asso-



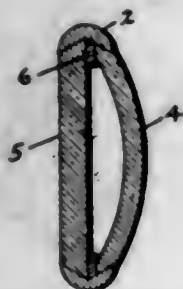
ciation with the rollers, and a series of cylindrical agitating members disposed longitudinally of the frame above the rollers, and means for operating the rollers by the wheels.

1,515,700. SANITARY WATER-CLOSET ATTACHMENT. WARREN C. REES, Somerville, Mass., assignor to Aseptic Service Company, Boston, Mass., a Corporation of Maine. Filed Oct. 8, 1921. Serial No. 506,251. 7 Claims. (Cl. 4-247.)



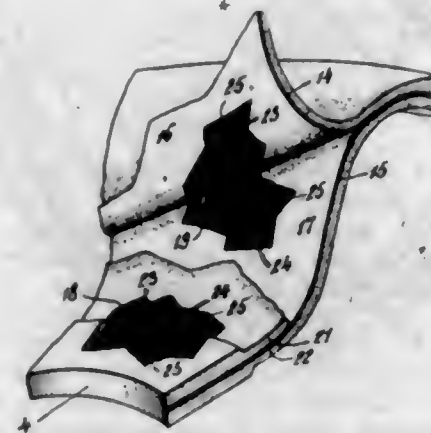
1. A sanitary toilet comprising a seat proper normally stationary and occupying a horizontal position over the toilet fixture, supply and take-up spools for a covering strip supported adjacent to said seat, guide members arranged to guide the strip over and under and around one edge of the seat to the respective spools and a draw-off device arranged to bear on the strip between one of said spools and one of said guide members and movable away from the line between said member and spool, whereby it is enabled to draw lengths of the strip from the supply spool, the take-up spool being withheld from rotation in the unwinding direction.

1,515,701. EYE PROTECTOR. HOWARD T. REEVE, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 12, 1917. Serial No. 196,119. 9 Claims. (Cl. 2-14.)



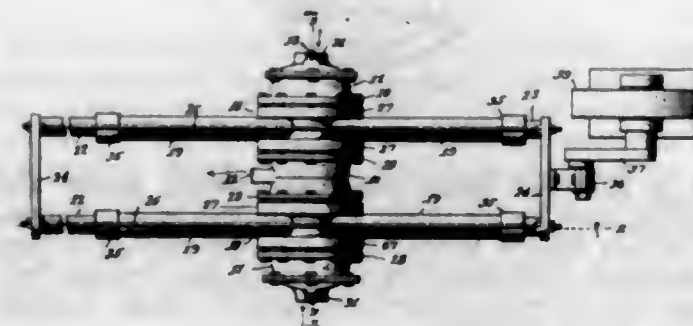
1. In an eye protector, the combination with a frame having a single lens-receiving groove, of a pair of lenses having their edges received within the groove, a ring interposed between said lenses adjacent their periphery and means for uniting the lenses with the ring to form a single unitary structure.

1,515,702. PUMP DIAPHRAGM. EDWIN COMPTON REYBOLD, Denver, Colo., assignor to The Dorr Company, a Corporation of Delaware. Filed May 24, 1922. Serial No. 563,232. 5 Claims. (Cl. 103-151.)



1. A pump diaphragm comprising a rubber body of appropriate configuration having a plurality of layers of parallel thread fabric embedded therein, the parallel threads of adjacent layers of fabric being angularly disposed with respect to each other.

1,515,703. PUMP. ANDREW J. ROSS, Los Angeles, Calif. Filed Dec. 12, 1923. Serial No. 680,226. 3 Claims. (Cl. 103-159.)

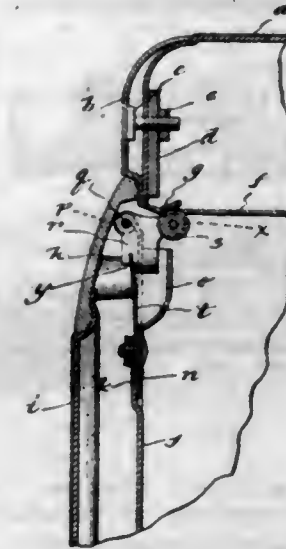


1. A pump comprising a central and end stationary sections, each having tapered annular interior walls provided with ports, pump-cylinder sections mounted to oscillate between said central and end sections, each of said pump-cylinder sections embodying valve-sections formed with tapered valve-rings having ports adapted to alternately register with and close the ports of the end and central stationary sections, a pump-cylinder at each side of said valve-section, means for clamping said central, end and pump-cylinder sections together in operative relation, a piston in each of said pump-cylinders, means for connecting the outer end of all of said pistons together to operate in unison, and means for reciprocating said pistons to and fro in said pump-cylinders and also oscillate the pump-cylinder sections to close and open the ports therein.

1,515,704. STOVE-DOOR LATCH. ALVIN G. SHERMAN and ALBERT MEADOWS, Detroit, Mich., assignors to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 15, 1923. Serial No. 674,894. 3 Claims. (Cl. 292-79.)

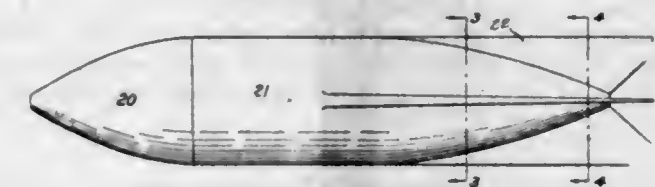
1. In a stove door latch construction, the combination of a stove frame provided with a latch strike, a door hingedly supported by said frame, a housing secured to

the door, a bell crank latch member U-shaped in cross section and pivotally supported by the housing, one end of which is provided with a striker portion, and a



leaf spring arranged to bear against the other end of the bell-shaped latch member to force the striker portion into the latch strike.

1,515,705. BOMB. FRANK SHORT, Penn Yan, N. Y. Filed May 4, 1923. Serial No. 636,753. 3 Claims. (Cl. 102-29.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



2. A method of forming self braced bomb fins, consisting of drawing a tube into a cone and at the same time folding portions of the tube at spaced apart intervals thereabout outwardly.

1,515,706. HOOK AND EYE AND TAPE CONTAINING SUCH HOOKS AND EYES. NAFTAL SOLOW, New York, N. Y. Filed Nov. 17, 1922. Serial No. 601,486. 3 Claims. (Cl. 24-229.)

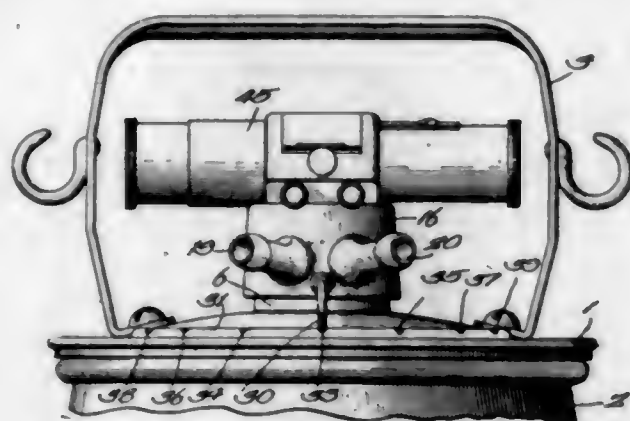


1. In a composite hook and eye tape, a hook element comprising a flat plate with two perforations therein, a hook made of circular wire with flattened ends positioned over said perforations, and studs produced by the formation of said perforations and riveted over said flattened ends.

1,515,707. MILKING MACHINE. JACOB J. STAMPEN, Chicago, Ill., assignor to Pine Tree Milking Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 23, 1922. Serial No. 531,113. 12 Claims. (Cl. 31-62.)

1. In a milking machine, a pail cover having a port and a member rotatably mounted on said cover and

having a milk duct provided with a hose connection rotatable in unison with said member, said duct being in



communication with said port when said member is in one angular position and out of communication when said member is in another angular position.

1,515,708. HAMMER. JOHN WILLIAM STOLLE, Danbury, Conn., assignor to The Danbury Unbreakable Tool Corporation, Danbury, Conn., a Corporation of Connecticut. Filed June 10, 1924. Serial No. 719,024. 4 Claims. (Cl. 254-26.)

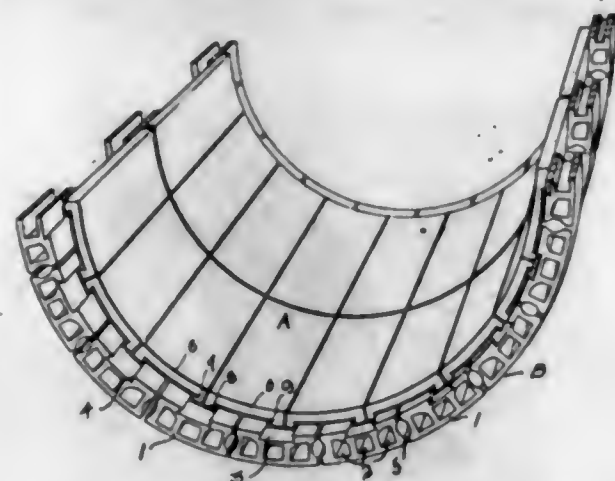


3. The combination of a claw hammer head having a handle socket, a handle in said socket, a tension rod passing through said handle and located between the axis thereof and the rearward side of said hammer, and abutments upon the ends of said tension rod, said head having an internal shoulder located at the forward side of its eye and a compression rod passing through said handle and engaging the abutment on the lower end of said handle and said shoulder, said compression rod being located in the compression zone of said handle when the same is subjected to forward strain.

1,515,709. IRRIGATION DITCH. AUGUSTUS H. STOWELL, Spokane, Wash. Filed May 23, 1922. Serial No. 563,072. 2 Claims. (Cl. 61-14.)

1. In a hydraulic ditch a bearing wall comprising units laid in spaced transverse courses for anchorage in the

soil of an excavation and an inner lining wall composed of tiles laid in adjoining transverse courses and over-



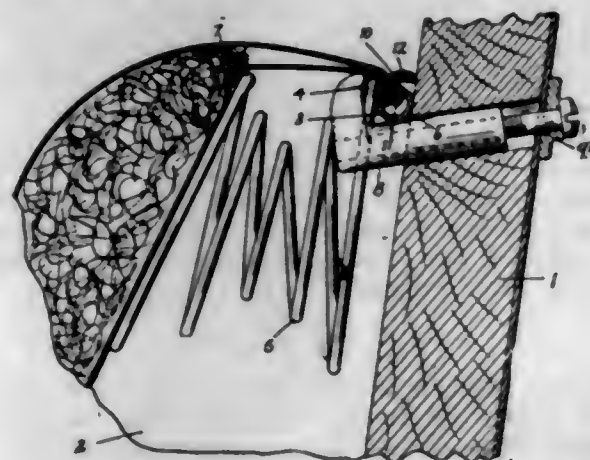
lapping adjoining units of the transverse courses, said tiles having means for interlocking with the units of the outer wall and keyed together.

1,515,710. LOOSE-LEAF BINDER AND ITS MANUFACTURE. CLARENCE D. TRUSSELL, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a Corporation of New York. Filed July 16, 1924. Serial No. 726,290. 5 Claims. (Cl. 129-24.)



1. A loose-leaf binder comprising mating prongs and a spring-plate having inbent wings formed with openings, the prongs passing through said openings, having rocking engagement with the margins thereof, and having their inner end portions adapted to abut the wings to limit their opening movement.

1,515,711. UPHOLSTERY UNIT FOR VEHICLE BODIES. DESIRE H. VAN HOVE, Detroit, Mich., assignor to L. A. Young Industries, Incorporated, Detroit, Mich. Filed Jan. 3, 1924. Serial No. 684,183. 5 Claims. (Cl. 155-184.)



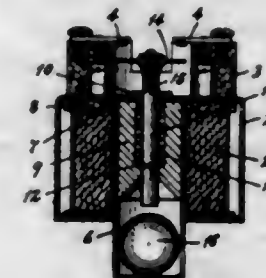
1. The combination with a vehicle body of an upholstery unit comprising a border frame having an outwardly facing upholstery channel, an upholstery covering

having its edge secured in said channel, means for clamping said upholstery covering to said body, and a finishing strip having one edge clamped with said upholstery covering within said border frame channel, the other being free to be folded over the border frame, said finishing strip having a longitudinally disposed zig-zagged wire secured on its inner side and clamped by said frame, said wire being bendable and constituting means for retaining said finishing strip in its adjusted position with its outer edge against the vehicle body.

1,515,712. MERCURY ZINC ANODE FOR SULPHATE SOLUTIONS. CHRISTIAN JOHN WERNLUND, Totten, N. Y., assignor to The Roesler & Hasslacher Chemical Co., New York, N. Y., a Corporation of New York. Filed Jan. 5, 1924. Serial No. 684,508. 7 Claims. (Cl. 204-4.)

1. The combination with an acid zinc electroplating bath, of an alloy anode containing zinc and a small percentage of mercury whereby to stabilize the bath.

1,515,713. SWITCH. STANLEY CORRENTINE WILLIAMS, Hartford, Conn. Filed Apr. 13, 1920. Serial No. 373,591. 5 Claims. (Cl. 200-87.)



5. In a switch, the combination of a solenoid, a stationary magnetic core therein having a passage extending longitudinally therethrough, a plunger carried by said core within said passage and movable relatively to said core, a switch member carried by said plunger, a cavity below said plunger, a magnetic ball contained in said cavity adapted to be raised by said solenoid when energized and move said plunger so as to actuate said switch member, a casing for said solenoid, an insulating block on said casing, terminals on said block for said solenoid, and contact terminals on said block adapted to be engaged by said switch member, said ball being mechanically free to revolve in any direction.

1,515,714. PROCESS FOR MAKING VANILLA AND OTHER FLAVORING EXTRACTS. AUGUST F. WUSOW, Chicago, Ill., assignor to Price Flavoring Extract Co., a Corporation of Illinois. Filed May 22, 1922. Serial No. 562,808. 7 Claims. (Cl. 167-4.)

1. The process of extracting the flavoring principles from vanilla beans, tonka beans and other vegetable bodies of yielding a vanilla-like flavor which consists in treating these bodies with a solution of ammonia in a liquid.

4. The process of extracting the flavoring principles from vanilla beans which consists in causing an aqueous solution of ammonia to percolate through a mass of chopped vanilla beans, diluting the percolate with water, distilling the mixture at a pressure below atmospheric and neutralizing what ammonia remains in the residue with a harmless acid.

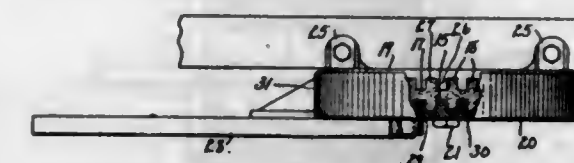
6. The process for the recovery of the flavoring principles from vanilla beans and other vegetable bodies capable of yielding a vanilla-like flavor which consists in dissolving ammonia in an extracting liquid, treating the beans with the solution, physically removing part of the ammonia from the extract, and adding to the extract sufficient acid to neutralize the remaining ammonia.

1,515,715. PICK. FRANK ZGOL, Sandoval, Ill. Filed Feb. 3, 1923. Serial No. 616,868. 2 Claims. (Cl. 306-39.)



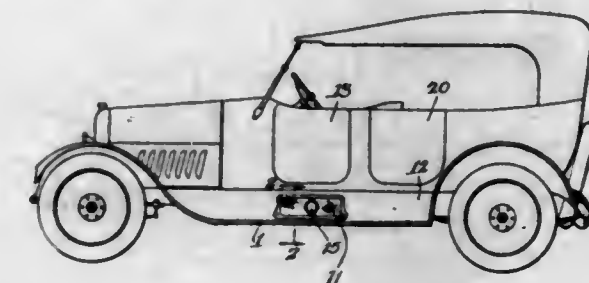
1. A tool comprising a head and a handle, said head comprising a pair of oppositely disposed members movable toward and away from each other in a longitudinal direction and adapted to engage said handle, and means including inclined faces whereby said oppositely disposed members are moved toward each other in a longitudinal direction to bring said members into frictional engagement with said handle to securely fix said head and said handle together.

1,515,716. SUSPENSION FOR AUTOMOBILES. WALTER LAWSON ADAMS, New Haven, Conn., assignor to Adams Motors Corporation, New Haven, Conn., a Corporation. Filed June 30, 1924. Serial No. 723,229. 3 Claims. (Cl. 267-63.)



1. A suspension, comprising a rubber block formed on opposite sides with radial ribs and grooves and two plates having corresponding ribs and grooves to engage with the grooves and ribs of the block.

1,515,717. AUTOMOBILE RUNNING-BOARD FOOT-LIGHT. JOSEPH RENÉ AYOTTE, Chicago, Ill., assignor to Liberty Products Manufacturing Company, a Corporation of Illinois. Filed Oct. 11, 1923. Serial No. 667,852. 4 Claims. (Cl. 240-7.)

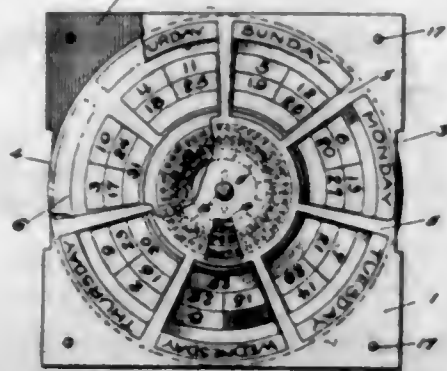


1. In combination with an automobile or other vehicle having a running board or step for entering the vehicle, a kick-plate secured to the side of the vehicle, against the skirt of the vehicle immediately above said step, and immediately below the entrance to the car or vehicle, and an electric lamp carried by said kick-plate, so that the kick-plate and lamp form a unitary attachment for the vehicle.

1,515,718. CALENDAR. LOUIS BERKOWER, Port Richmond, N. Y. Filed Mar. 21, 1923. Serial No. 626,522. 1 Claim. (Cl. 40-115.)

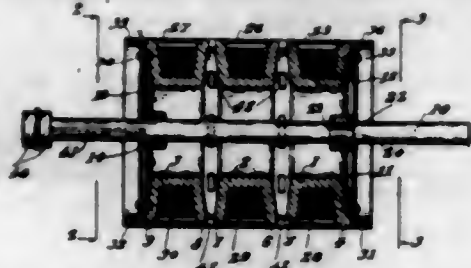
A calendar comprising in combination, a disc divided radially into seven portions numbered to represent the days of the month, and arranged in weekly groups, a second disc concentrically placed on said first disc and adjacent thereto, divided radially into twelve portions to

present the months of the year, and a cover member cut away to uncover one radial monthly portion of the second disc, and further cut away to uncover each of the seven



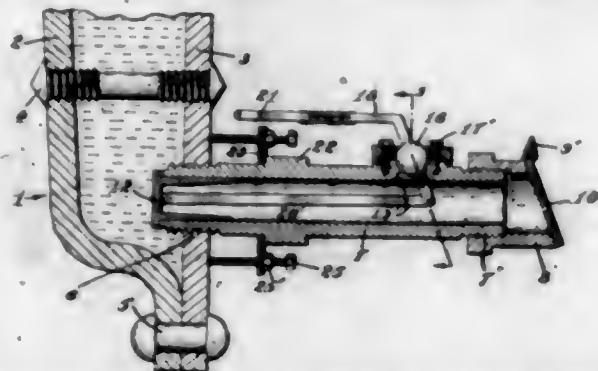
weekly groups of the first disc, the parts being assembled to allow each of the monthly radial portions to be successively uncovered, and to allow rotational movement of the first disc.

1,515,719. MAGNETIC PULLEY. JOHN P. BETHED and GEORGE H. FOBIAN, Milwaukee, Wis., assignors to Magnetic Manufacturing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 26, 1920. Serial No. 426,436. 10 Claims. (Cl. 83-71.)



1. A magnetic pulley comprising an integral hollow magnetic pulley provided with a plurality of adjacent annular channels, and exciting windings positioned in said channels, whereby adjacent annular magnetic poles are produced.

1,515,720. NONFREEZING BLOW-OFF VALVE. ALEXANDER BLONDEAU, Estevan, Saskatchewan, Canada. Filed Nov. 22, 1923. Serial No. 676,392. 5 Claims. (Cl. 251-133.)

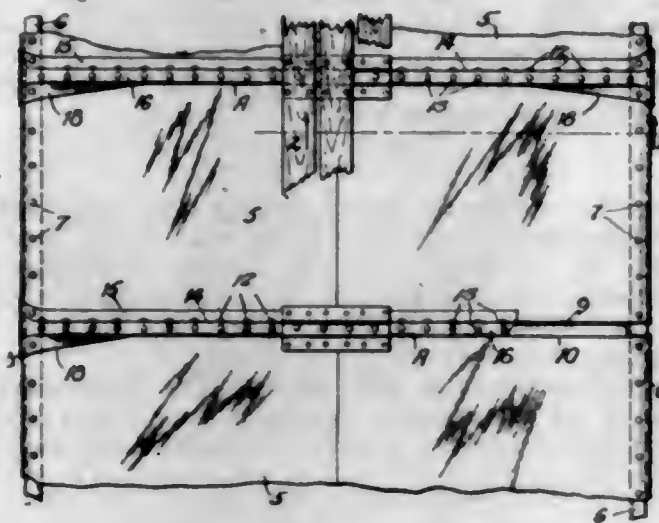


4. A valve comprising a cylindrical casing having a spherical recess cut in the wall thereof, a bearing rotatably mounted in said recess, a lever extending inwardly from said bearing to the interior of the casing, a valve seat formed at one end of said casing, a valve head adapted to cooperate with said seat, said head having a plurality of spaced prongs slidably received within the casing, and a link connecting said lever and head.

1,515,721. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Jan. 10, 1923. Serial No. 611,756. 10 Claims. (Cl. 108-54.)

1. A car roof comprising carline members of substantially Z-shaped section at the middle thereof changing to a channel section towards its ends and roof sheets

having their adjacent marginal portions under and rigidly secured to said carline members and forming in connection therewith hollow weather-proofing seams, the marginal portion of one sheet being L-shaped and se-



cured against the underside of the horizontal portion of the carline, and the marginal portion of the adjacent sheet having a turned-up portion that is secured to the vertical portion of said carline.

1,515,722. TRANSFER METALLIZED MEDIUM. WILLIAM J. BOYD, Yonkers, N. Y., assignor to Peerless Roll Leaf Co., Inc., New York, N. Y., a Corporation of New York. Filed May 13, 1924. Serial No. 712,988. 4 Claims. (Cl. 41-33.)



1. A metallic transfer medium comprising a carrier strip, a layer of heat releasable composition on one face of said strip, a layer of metallic powder on the outward face of said layer of releasable composition and an outermost sizing layer comprising sizing and rice starch.

1,515,723. PROCESS OF MANUFACTURING BUILDING MATERIALS. OSCAR BRANDENBERGER, Zurich, Switzerland, assignor to the Firm Subox A. G., Zurich, Switzerland. Filed Mar. 21, 1924. Serial No. 700,960. 4 Claims. (Cl. 91-83.3.)

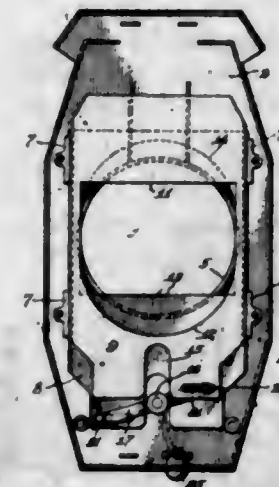
1. The process of producing a building material consisting in treating building fabric with a mixture of lead suboxide and a substance which reduces lead suboxide.

3. Building fabric coated with lead suboxide and a substance which reduces lead suboxide.

1,515,724. FRAMING DEVICE FOR SPOT FLOOD LAMPS. JOSEPH W. BRUNKERT, Detroit, Mich., and KARL BRUNKERT, San Diego, Calif. Filed Dec. 16, 1922. Serial No. 607,289. 3 Claims. (Cl. 240-3.)

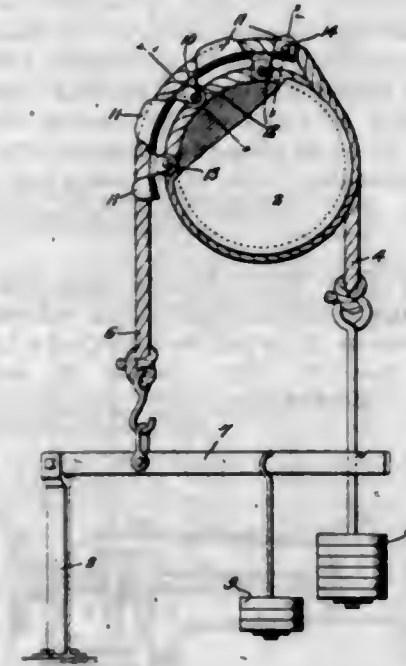
1. In a framing device for spot flood lamps wherein a lamp house has a front wall provided with an aperture—frames slidable in the lamp house and having adjacent slotted ends contiguous to the aperture of the front wall of said lamp house, said frames having openings

with marginal edges of said openings cooperating to either increase or decrease the effective light projecting area of the lamp house aperture, and means in the lamp



house front wall below the aperture thereof adapted for engagement in the adjacent slotted ends of said frames for shifting said frames in synchronism.

1,515,725. FRICTION-DISTRIBUTING LET-OFF. JUDSON B. BRINK and EDWARD H. BUSS, Emaus, Pa., assignors of one-half to Zollinger & Schroth, Inc., Emaus, Pa., a Corporation of Pennsylvania. Filed Feb. 28, 1922. Serial No. 540,040. 7 Claims. (Cl. 158-83.)



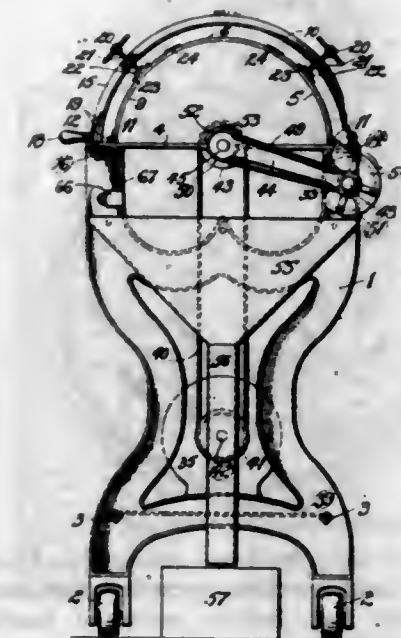
1. In a let-off for looms, the combination with a warp beam, of a frictional element adapted to be wrapped around the end of said beam, means for causing the desired friction of said element, means for regulating said friction and means for equalizing the friction of the various laps of said friction element.

1,515,726. CURVED-PLATE TRIMMER. WILLIAM H. BURKIN, St. Louis, Mo. Filed Mar. 26, 1923. Serial No. 627,614. 6 Claims. (Cl. 29-21.)

1. A machine for trimming the curved edges of printing-plates, comprising a suitable supporting-frame; a semi-cylindrical plate-block mounted on said frame; a drive-shaft mounted axially of said plate-block and having one of its ends extended beyond the cutting-end of said block; a radially-swinging cutter-frame having its inner end mounted loosely to rock on said extended end

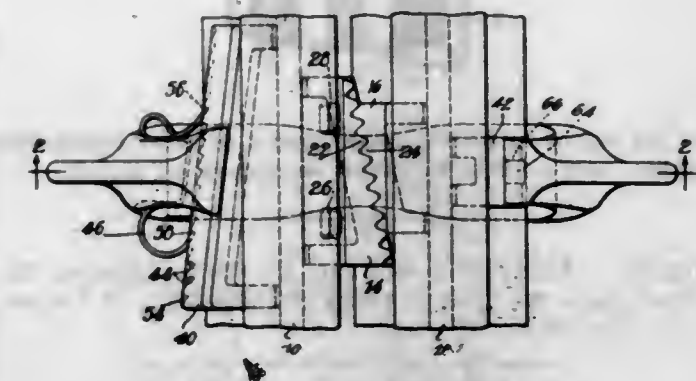
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of said drive-shaft; a cutter mounted at the outer end of said cutter-frame, and arranged to have its teeth brought into contact with the curved edge of the plate to be trimmed, upon radially moving said cutter-frame adjacent said edge; means for adjusting and clamping



said plate upon the said plate-block; means for rotating said cutter while same is being moved in contact with the curved edge of the plate to be trimmed, a circular-saw mounted on the end of said drive-shaft which is opposite that on which said radially-swinging cutter-frame is mounted; and a saw-table for said circular-saw.

1,515,727. GUARD-RAIL CLAMP. EUGENE W. CARUTHERS, Secane, and RUSSELL C. PAXSON, Upper Darby, Llanerch, Pa. Filed Mar. 27, 1924. Serial No. 702,216. 7 Claims. (Cl. 238-21.)

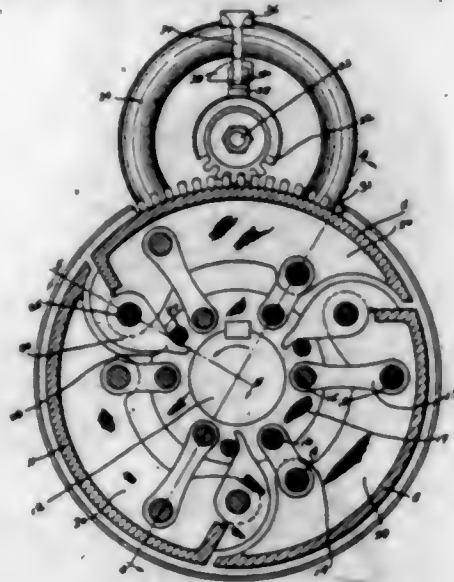


1. A rail clamp including a yoke having hooked ends of thickened sectional area in the zone where the contour of the yoke changes from a straight to a curved outline.

1,515,728. WINDING DRUM. DON A. CLARK, Cleveland, Ohio, assignor to The Duston and Clark Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 21, 1923. Serial No. 646,940. 29 Claims. (Cl. 242-74.)

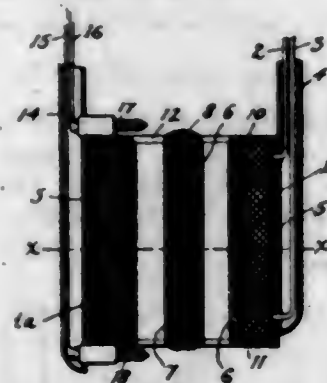
1. A winding drum comprising a core, a plurality of face sections forming a substantially complete cylinder about said core, means supporting each said section from said core in such manner as to permit substantially equal radial movement of each point in each said section in a plane perpendicular to the axis of said drum

simultaneously circumferentially and radially of said core between collapsed and expanded positions, a member rotatable with respect to said core connected to said sections to operate by rotation of itself relative to said



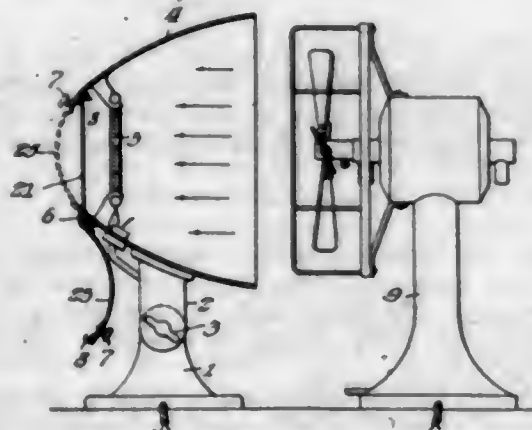
core to oscillate said sections circumferentially of said drum to move said sections between collapsed and expanded positions, and inertia actuated means for operating said members.

1,515,729. ELECTRICAL HEATER. EDWARD E. CLEMENT, Ocean City, N. J. Filed May 13, 1921. Serial No. 469,220. 5 Claims. (Cl. 219-47.)



1. An electrical heater comprising a primary energizing winding, and a short circuited secondary of carbon.

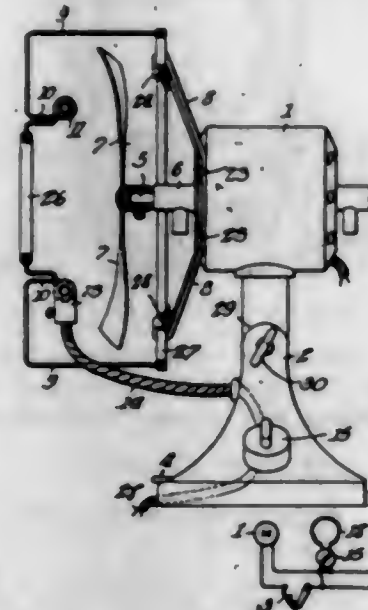
1,515,730. HEATER. EDWARD P. COLE, Chicago, Ill. Filed June 23, 1921. Serial No. 479,770. 3 Claims. (Cl. 219-42.)



1. In a device of the class described, the combination of a concave heat reflector having an opening in the bottom, a ring-shaped heating element within the re-

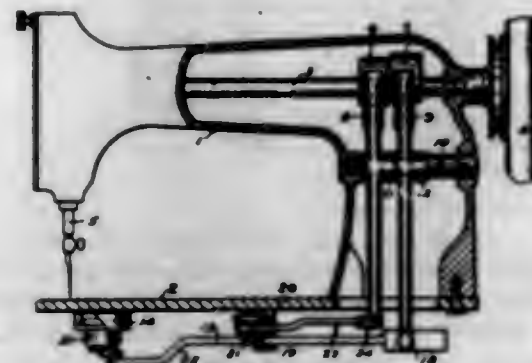
sector and extending around the edge of the opening so as to afford a clear passage through the opening and heating element, and a door for closing said opening.

1,515,731. COMBINATION FAN AND HEATER. EDWARD P. COLE, Chicago, Ill. Filed June 23, 1921. Serial No. 479,771. 10 Claims. (Cl. 219-42.)



1. The combination of a fan, a motor for rotating same, and a heating element mounted in front of the fan, said fan being composed of a circular series of radially extending blades having the trailing edge of each blade substantially in front of the leading edge of the following blades so as to present a substantially unbroken front for reflecting the heat rays emanating from the heating element.

1,515,732. DRIVING MECHANISM FOR THE LOOP-TAKING HOOK IN LOCKSTITCH SEWING MACHINES. JOSEPH COOPER, Ashton-Under-Lyne, England. Filed Apr. 25, 1922. Serial No. 556,556. 3 Claims. (Cl. 112-181.)

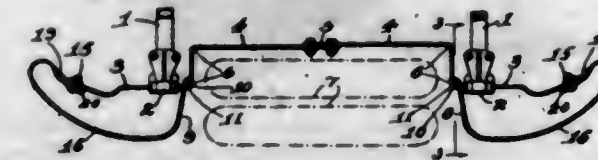


1. Improved driving means for the rotary loop taking hook of a lockstitch sewing machine, comprising a cam on the top shaft, an oscillating lever actuated by said cam and imparting oscillatory motion to a pivoted lever which bears the pivoting means for the bottom shaft of the machine, and thus giving oscillating motion to the whole of the said bottom shaft, and a similar oscillating lever similarly actuated the lower end of which slides in a recess in the free end of the bottom shaft and gives oscillatory motion to the latter around its own pivotal centre, for the purpose set forth.

1,515,733. REFINING MATERIAL. ROY CROSS, Kansas City, Mo. Filed Dec. 31, 1923. Serial No. 683,731. 8 Claims. (Cl. 252-2.)

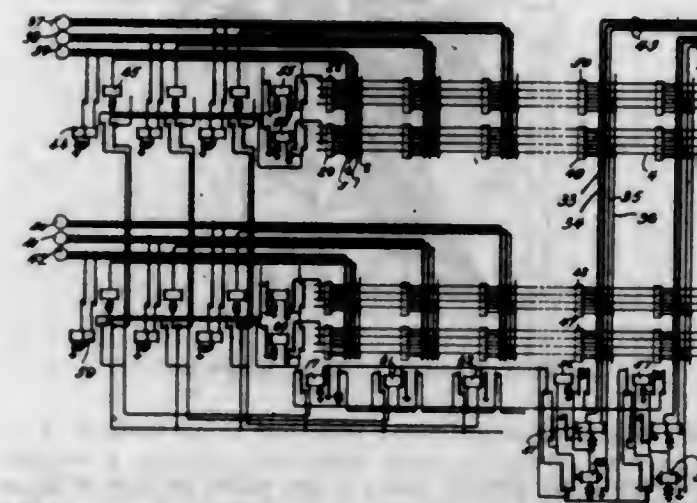
1. A refining material for treating petroleum hydrocarbons, consisting in a highly adsorbent inorganic material combined with a metal salt, the latter having an affinity for the sulphur compounds of the hydrocarbons.

1,515,734. AUTOMOBILE FENDER GUARD. OSCAR H. GOETZ, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed Aug. 25, 1924. Serial No. 734,066. 4 Claims. (Cl. 293-55.)



1. An automobile bumper comprising a pair of fender guards joined together, and supported, by a bar to be secured to the automobile frame, the intermediate portion of said bar being offset toward the chassis to form a pocket for a spare tire.

1,515,735. MACHINE-SWITCHING TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., and JOHN N. REYNOLDS, Greenwich, Conn., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 21, 1921. Serial No. 486,442. 27 Claims. (Cl. 179-18.)

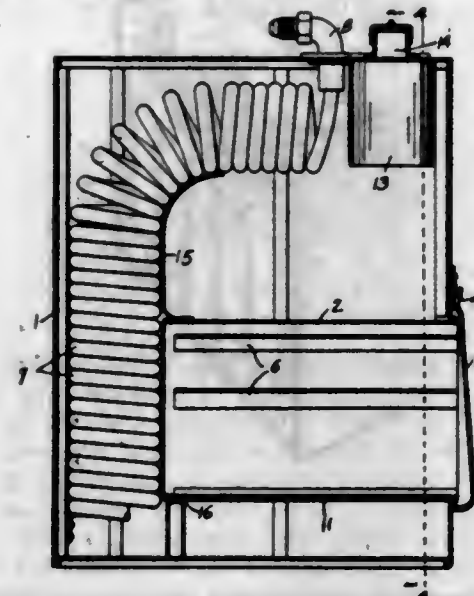


1. The combination in a switching system of incoming circuits, link circuits, outgoing circuits, contact sets, a plurality of switching bars movable independently of and cooperating with each other for actuating said contact sets to connect an incoming circuit to a link circuit and to connect such link circuit to any outgoing circuit, and means for maintaining the established connection with a single one of said bars.

1,515,736. BRINE TANK. DELOS P. HEATH, Detroit, Mich., assignor, by mesne assignments, to Copeland Products, Inc., Flint, Mich., a Corporation of Michigan. Filed May 3, 1922. Serial No. 558,295. 5 Claims. (Cl. 62-95.)

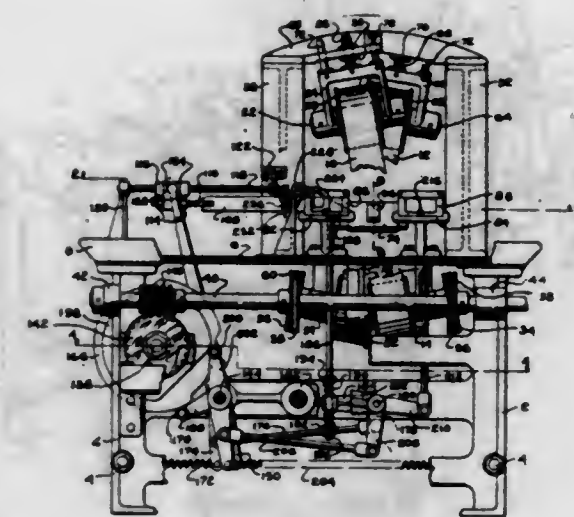
1. The combination with a tank for receiving a liquid to be cooled, of a pipe for circulation of a cooling medium

having coils within said tank arranged substantially in successive vertical registration to form within said coils a descending current region, a low temperature air chamber in the lower portion of said tank, and a sub-



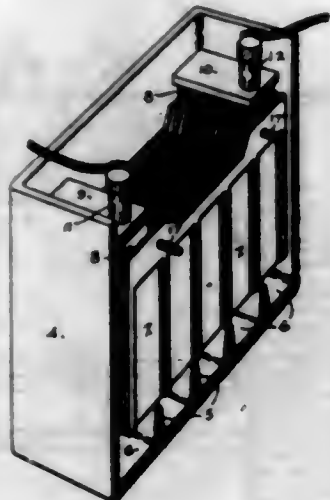
stantially horizontal baffle member carried by said chamber within said tank and extending adjacent the lowermost of said coils for compelling a lateral flow from the region of said coils to a rising current region within said tank.

1,515,737. STROPPING MACHINE. FERDINAND G. HENRY, New York, N. Y., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y., a Corporation of New York. Filed July 16, 1920. Serial No. 396,667. 67 Claims. (Cl. 51-140.)



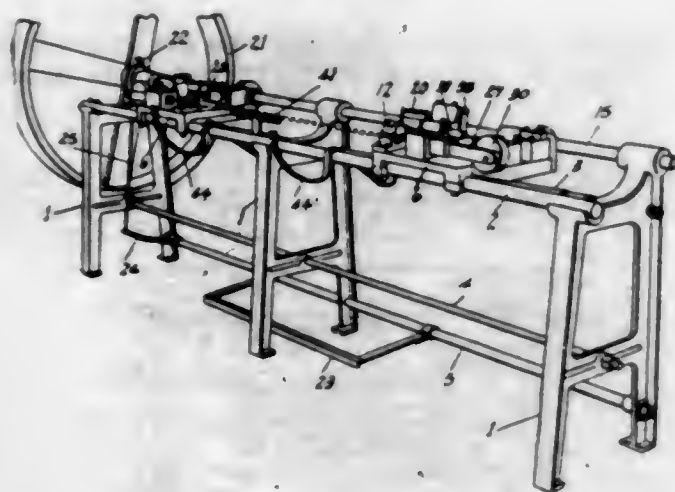
1. In a machine of the class described, a blade holder arranged to hold a blade in substantially fixed relation to the holder during the operation thereon and having relatively fixed portions spaced from each other to form a blade receiving slot and means for taking a blade from a source of supply and feeding it into said slot.

1,515,738. STORAGE-BATTERY SEPARATOR. LAWRENCE C. HIATT and DALLAS L. PORTER, Atlantic, Iowa. Filed Sept. 24, 1921. Serial No. 502,913. 1 Claim. (Cl. 204—29.)



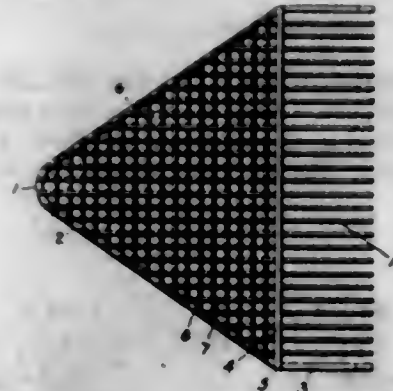
A plate separator for storage batteries, comprising an integral sheet of electrolyte-resistant insulating material rectangularly recessed from its lower edge to form a plurality of vertical transversely spaced fingers depending from the upper horizontal portion of the sheet, said upper horizontal portion being recessed centrally of its upper edge and perforate laterally of said central recess to receive supporting-rods, and the vertical edges of said depending fingers being beveled at each side of the sheet, whereby the shortest surface-elements between the plate-engaging surfaces of the sheet are of greater length than the thickness of the sheet.

1,515,739. METAL-WORKING MACHINE. JOACHIM T. HOLTFOTH, Highland Park, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Oct. 21, 1922. Serial No. 595,990. 14 Claims. (Cl. 153—25.)



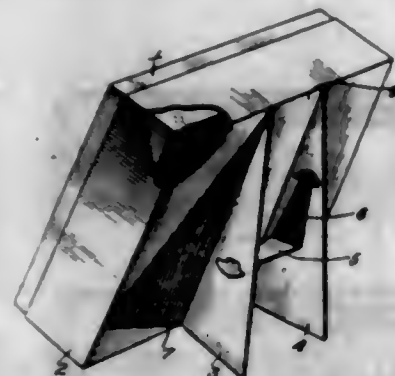
14. In a machine of the class described, the combination of work supporting means adapted to support work of S-cross section with the end of the work projecting therefrom, and a die member mounted for reciprocating movement longitudinally of the work to act on the projecting end thereof, said die member being recessed to receive the end of the work, the recess being beveled at its outer end to contract one flange of the work.

1,515,740. RAKE. WILLIAM W. LAIDLEY, Piedmont, Calif. Filed Nov. 8, 1923. Serial No. 673,512. 4 Claims. (Cl. 55—10.)



2. A rake comprising a wire frame, a fabric superposed and covering said frame and consisting of transverse and longitudinal wires, and means of fastening the ends of said wires to said frames; the said longitudinal wires having flanges formed at the free ends thereof.

1,515,741. DISPLAY BOX. EMANUEL LYONS, Jersey City, N. J. Filed Mar. 27, 1923. Serial No. 627,060. 1 Claim. (Cl. 206—44.)

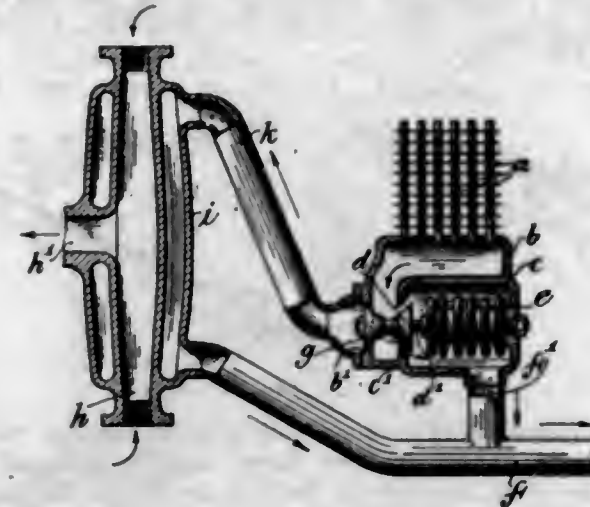


A paper box having one of its walls formed with a series of easel-like supporting tabs formed in one of the surfaces of said box, and a tongue formed in the body of one of said tabs and adapted to bridge the space between said tabs and to engage an opening in the other tab so as to strengthen the easel.

1,515,742. AUTOMATICALLY-CONTROLLED COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. KEITH R. MANVILLE, Brooklyn, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 10, 1923. Serial No. 637,944. 2 Claims. (Cl. 123—178.)

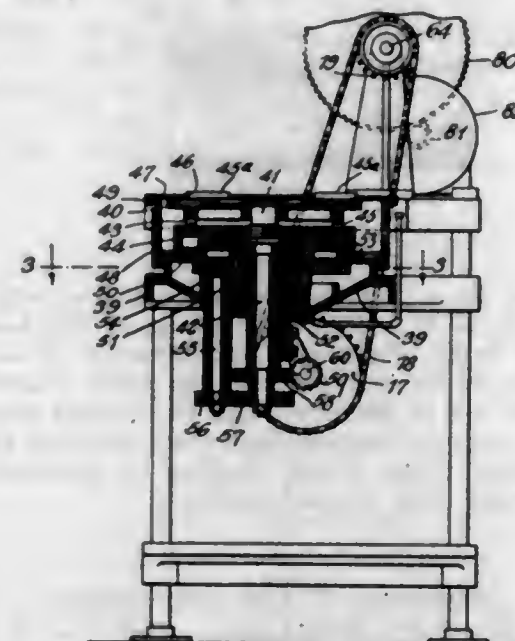
1. A circulatory water cooling system for internal combustion engines, in combination with a radiator of adequate capacity for normal conditions, a connection from said radiator to the return pipe of the circulatory system, a valve controlling said connection, a thermostat disposed in said connection and controlling said valve, a by-pass for water from the radiator to the return pipe

of the circulatory system, a valve to control said by-pass, said valve being controlled by said thermostat, and a



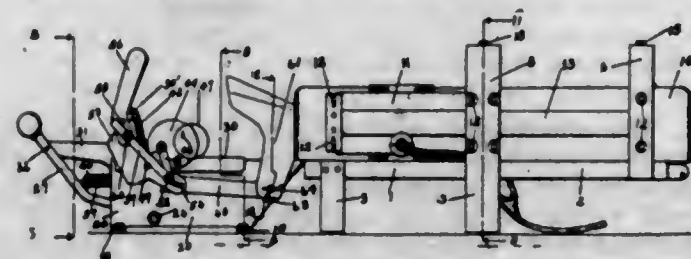
supplementary cooling means connected in said by-pass to receive the water for additional cooling at a predetermined maximum temperature.

1,515,743. SURFACING MACHINE. WILLIS H. MARKLAND, Altoona, Pa., assignor to Walter H. Foster, New York, N. Y. Original application filed Jan. 19, 1922. Serial No. 530,351. Divided and this application filed June 15, 1923. Serial No. 645,525. 5 Claims. (Cl. 51—131.)



1. A machine of the class described including in combination a rotating surfacing plate, a carrier surrounding said surfacing plate and a work holding plate removably engaged by said carrier.

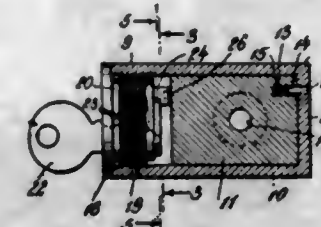
1,515,744. WRAPPING MACHINE. WILLIAM E. MILLER, Kalamazoo, Mich. Filed Feb. 1, 1922. Serial No. 533,219. 16 Claims. (Cl. 93—2.)



16. In a structure of the class described, the combination of support members, slides mounted thereon and adapted to receive the articles to be wrapped, flap folders

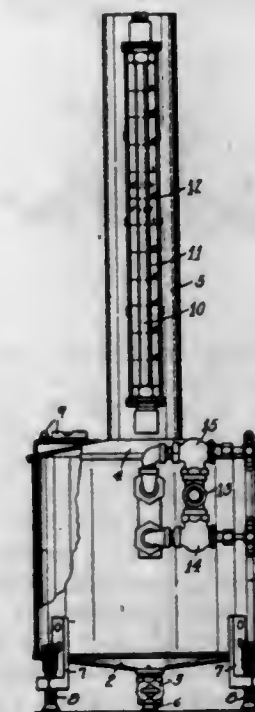
pivottally mounted on said slides having a pin and slot connection with said supports, and means for actuating said slides whereby the flap folders are actuated on the forward movement of the slides.

1,515,745. LOCKING VALVE. EDWARD P. MULROONEY and JAMES O'CONNELL, New York, N. Y. Filed Aug. 21, 1920. Serial No. 405,030. 6 Claims. (Cl. 251—6.)



1. A locking valve comprising a casing provided with ports, a lock mounted in one end of the casing and including a member adapted to receive a key when in normal position and to be turned in either direction therefrom by the key, a member rotatably mounted within the casing and provided with a bore adapted to be brought into registry with the ports, a pair of parts associated with one of the members and a part associated with the other member and adapted to coact with one of the parts of the pair when the member of the lock is in normal position and the bore of the rotatable member registers with the ports and to coact with the other part of the pair when the member of the lock is in normal position and the bore of the other member lies at an angle to its first named position, whereby the valve may be opened or closed by turning the member of the lock in opposite directions through substantially one quarter of a revolution from its normal position.

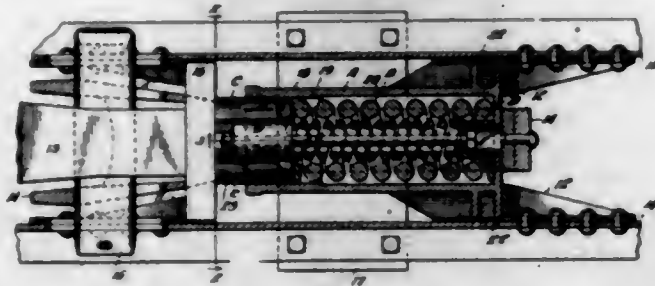
1,515,746. METER TESTER. EARL E. NORMAN, Kalamazoo, Mich. Filed Sept. 30, 1922. Serial No. 591,523. 8 Claims. (Cl. 73—51.)



1. In a meter tester, the combination with a gage receptacle having a concave bottom provided with a drain cock at the lowest point thereof, and a convex top having a tubular extension projecting from the crown thereof, a gage glass on said extension having two sets of oppositely reading gage indicia associated therewith, an inlet connection for said receptacle provided with valves

of different capacities, a pair of spirit levels mounted on said receptacle at right angles to each other, and legs for said receptacle, at least two of said legs being provided with adjusting screws.

1,515,747. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 2, 1920, Serial No. 427,735. Renewed Apr. 10, 1924. 3 Claims. (Cl. 213-32.)



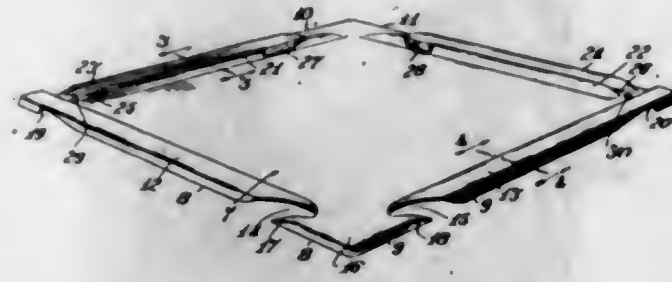
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a spring resistance; and a friction unit co-operable with said shell and spring resistance, said unit comprising, an outer set of three friction shoes, an inner set of three friction shoes, and a single wedge interposed between and co-operable with both sets of friction shoes, said wedge and sets of shoes having co-operable sets of wedge faces, the inner ends of the outer set of shoes longitudinally overlapping the outer ends of the inner set of shoes, the wedge faces of the outer set of shoes and wedge being arranged at one angle relative to the axis of the shell and the wedge faces of the inner set of shoes and wedge being arranged at a different angle relative to the axis of the shell.

1,515,748. TOOL FOR CONNECTING ELECTRIC CONDUITS. MINNA OESER, Cassel, Germany. Filed July 21, 1921. Serial No. 486,571. 1 Claim. (Cl. 145-51.)



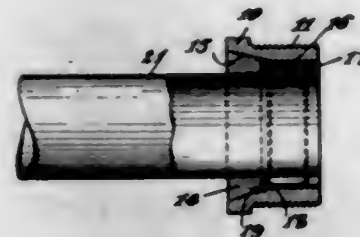
A screw driving tool comprising a shank, guides on said shank for slidable and rotatably holding a screw driver, a spring on said shank adapted to press against the screw driver and frictionally hold the same, a screw holder adjacent the lower end of the shank, and open on one side, a spring closing the open side and adapted to press against a screw in the head to hold the same therein, and a socket at the lower extremity of the head adapted to fit a conduit terminal.

1,515,749. ROOF AND SHINGLE THEREFOR. NILS G. OLSSON, Aurora, Ill., assignor of one-half to himself and one-half to William D. Foulke, Aurora, Ill. Filed Oct. 17, 1921. Serial No. 508,298. 3 Claims. (Cl. 108-17.)



1. A metal shingle comprising a substantially rectangular plate having its two lower margins notched adjacent to their juncture to form a spear-head like apex, said margins being shaped to form channels in the under side of the plate, the two upper margins of the plate being provided with ribs projecting above the upper surface of the plate and adapted to lie in the channels of the shingles of the next higher course.

1,515,750. BUSHING LINER. ABRAHAM N. PASMAN, Waterbury, Conn. Filed Oct. 27, 1922. Serial No. 597,259. 5 Claims. (Cl. 285-203.)



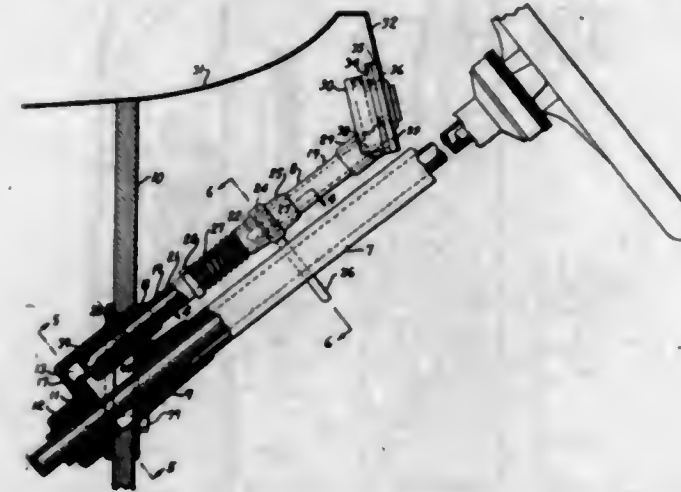
5. A liner for a pipe bushing comprising a body portion adapted to fit within the opening in the bushing, an internal flange of predetermined diameter at one end of the liner, an internal flange of the same diameter at the opposite end of the liner, and an external flange at one end of the liner adapted to contact with the surface of an internal recess in the bushing to determine the position of the liner in the bushing.

1,515,751. COMBINED KNIFE AND PISTOL. LOUIS EDWARD POLHEMUS, Miami, Ariz. Filed Jan. 3, 1924. Serial No. 684,232. 3 Claims. (Cl. 42-53.)



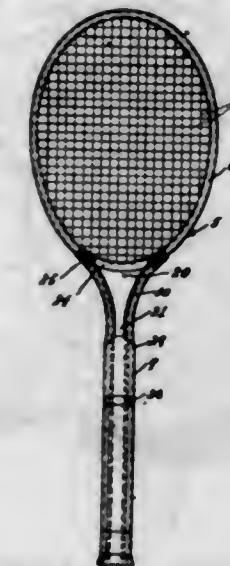
1. The combination with a pistol including a barrel, a handle, and firing mechanism, of a spring catch for holding the firing mechanism set, said catch being connected to the barrel and extending into the handle, a knife detachably connected at one end to the barrel and at its other end within the handle, a trigger detachably and pivotally connected to one end of the knife, and engaging and adapted to actuate the catch to release the firing mechanism.

1,515,752. AUTOMOBILE LOCK. CHESTER LIVINGSTON RANDOLPH, Cos Cob, Conn., assignor of one-fourth to Charles W. Raymond, Cos Cob, Conn.; one-fourth to Julius M. Ulrich, Greenwich, Conn.; and one-fourth to Clarence E. Palmer, Riverside, Conn. Filed Apr. 11, 1922. Serial No. 551,547. 9 Claims. (Cl. 70-90.)



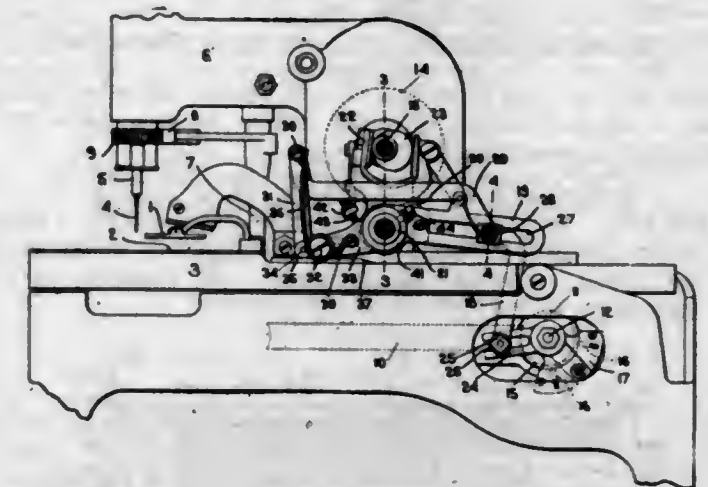
1. In an automobile locking device, a rotatable steering post, a lateral extension fast on said post and rotatable therewith, a sliding rod mounted on said automobile apart from said steering post, means on said lateral extension with which said rod directly engages to lock the steering post against rotation.

1,515,753. HANDGRIP FOR GAME FRAMES. WILLIAM F. REACH, Springfield, Mass., assignor to A. G. Spalding & Brothers, New York, N. Y., a Corporation of New Jersey. Filed Sept. 28, 1922. Serial No. 501,103. 9 Claims. (Cl. 46-24.)



9. In combination, a tubular metallic frame of approximately square cross-section having parallel handle portions and inwardly curved gripping portions; the outer wall of the handle portions being cut away, and the inner wall of the handle portions being pressed inwardly to form a longitudinal groove; the inherent elasticity of the frame tending to hold the handle portions spaced apart and diverged; an intermediate piece disposed between said handle and gripping portions flush with the front and back faces thereof and provided with tongued side faces fitting and conforming with the grooved walls of the handle, and with the gripping portions to form a throat; side grips in the channels of the handle portions; front and back grips secured to the front and back faces of the side grips, handle portions and intermediate piece; and means for securing the side grips, handle portions and intermediate piece together in position to cause the elasticity of the frame to cause the gripping and handle portions to movably grip the intermediate piece.

1,515,754. BUTTONHOLE-SEWING MACHINE. JAMES P. RITCHIE, Amherst, N. H., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed May 1, 1924. Serial No. 710,317. 4 Claims. (Cl. 112-71.)



1. In a buttonhole sewing machine, the combination with stitch-forming mechanism and work-holding means movable relative to each other, said stitch-forming mechanism being rotatable about a vertical axis at the end of the buttonhole thereby to form an eye, of a cam for producing such relative movement, a feed pawl for feeding the cam, an oscillatory pawl-actuating member having a fixed amplitude of movement, adjustable connections between said member and the pawl, the adjustment of which varies the cam-feeding movement of said pawl, a cam track, a pivoted elbow lever having one arm connected to said adjustable connections, and a roll carried by said elbow lever and operating on said track.

1,515,755. SUSPENSION INSULATOR. FRITZ ROHDE, Berlin, and MAX SCHWINNING, Berlin-Schöneberg, Germany, assignors to Nora Pfannenstiel, Tetlow, Germany. Filed Oct. 12, 1920. Serial No. 416,552. 2 Claims. (Cl. 173-366.)

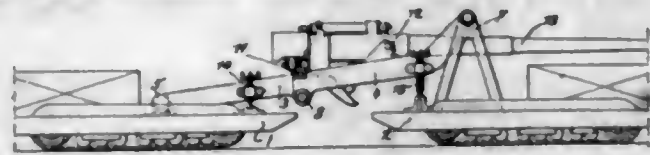


1. A suspension insulator comprising an insulator body, a supporting cap for said body, a bolt disposed within a chamber of the body, a cone shaped enlarged head carried by the inner end of said bolt and disposed within the chamber of the body, a sleeve surrounding said bolt and having its inner end extending into the chamber of the body, the inner end of said sleeve being split thereby forming a plurality of yieldable arms, the inner sides of said yieldable arms being provided with recesses for the reception of the enlarged head of the bolt and holding said head in fixed position and a split bushing surrounding the sleeve between said sleeve and the inner pressure surface of said insulator body.

1,515,756. ARTICULATED COUPLING DEVICE FOR HEAVY LOADS. IRENE ROY, Paris, France. Filed May 12, 1922. Serial No. 560,455. 3 Claims. (Cl. 280-33.44.)

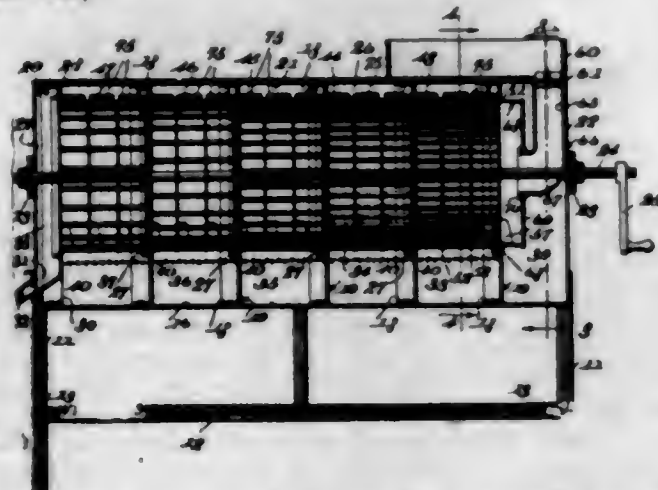
1. In a coupling device for motor tractors adapted for the transport of all loads on all sorts of grounds, and namely of guns or ordnance, a two-part carrying beam

connecting these tractors, a horizontal axle carried by one of these tractors to which is articulated one of the said parts or members, a universal joint carried by the



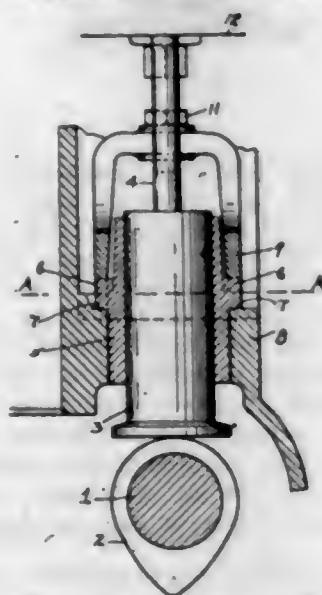
other tractor and to which is articulated the other part, and a horizontal axle through which the two parts are articulated together.

1,515,737. GRADER OR SORTER FOR NUTS. PARISH HENDRICKS RYLANDER, Austin, Tex. Filed Feb. 21, 1924. Serial No. 694,356. 5 Claims. (Cl. 130-32.)



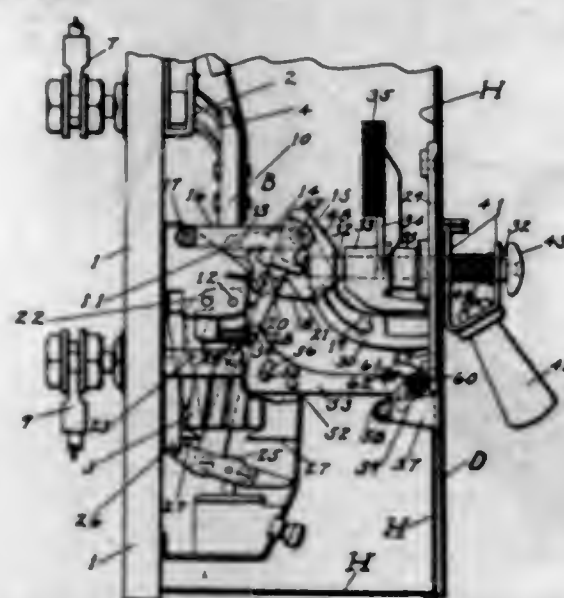
1. A grader including a casing, a rotatable cylinder in the casing, said cylinder including a series of grading units, each grading unit comprising a pair of heads and a plurality of partitions defining a plurality of compartments in each unit, the partitions retarding the passage of nuts through the units, each partition and each head having an opening through which the gradual passage of the nuts through the compartments of each unit and from unit to unit is permitted, and a series of spaced bars extending lengthwise of the heads and partitions, the spacing of the bars being varied in the different units.

1,515,758. VALVE TAPPET. GEORGE S. SALZMAN, Cleveland Heights, Ohio. Filed Oct. 3, 1921. Serial No. 505,133. 5 Claims. (Cl. 123-90.)



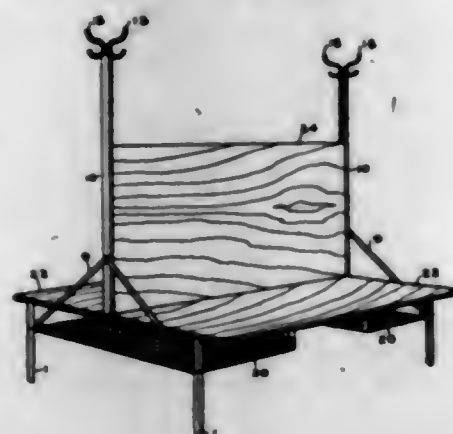
1. In mechanism of the character described, the combination of a cam shaft having a cam thereon, a valve tappet perpendicularly aligned with said cam, a push rod having a rounded end engaged in a socket provided in said valve tappet, and a guide for said tappet, said guide being pivotally mounted to permit angular adjustment of the tappet.

1,515,759. SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed Feb. 23, 1921. Serial No. 447,114. 42 Claims. (Cl. 200-50.)



6. The combination with a switch member, of an operating member therefor, a latch for locking said switch member in normal position, a rotatable actuator for actuating said operating member, a tripping member detached from and movable independently of said actuator for actuating said latch, and a member carrying said actuator and movable with respect to said tripping member and capable of movements in different directions for operating, respectively, said tripping member and said actuating member.

1,515,760. SEAT. GEORGE ROBERT SMALL, Montreal, Quebec, Canada. Filed June 15, 1923. Serial No. 645,634. 1 Claim. (Cl. 135-130.)

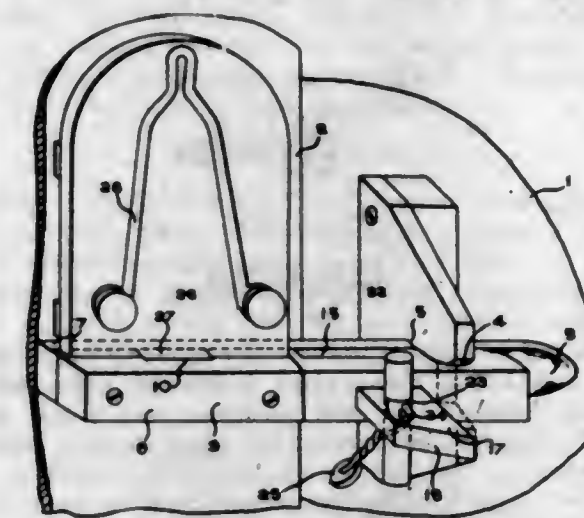


In a seat, a frame formed of end bars, cross bars and legs securely riveted together and having the end bars projecting beyond said cross bars and legs, channel bars rigidly secured to said end bars midway of the distance between the legs and facing one another, braces secured to said legs, end bars and channel bars and supporting the latter, hooks removably secured to the upper ends of said channel bars, a board back introduced into said channel bars and suitably secured therein and seats secured to said end bars on either side of said back and extending outwardly therefrom to the extremities of said end bars.

1,515,761. LOCK FOR CAR DOORS. ALBERT STAPLEY, Belleville, Ontario, Canada. Filed Mar. 20, 1924. Serial No. 700,626. 3 Claims. (Cl. 292-205.)

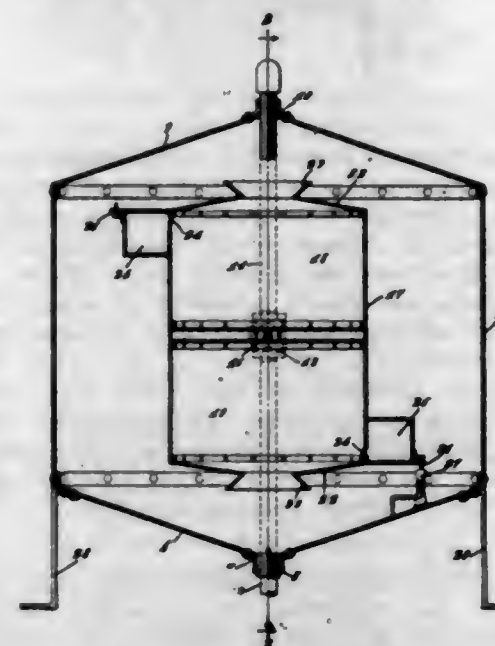
1. In a box car door lock, the combination with the wall portion adjacent to the car door opening and the sliding door, of a plate carried by the wall portion and extending outward therefrom and having an orifice

therein, a bar secured to the door and projecting beyond the edge thereof having a tapered end adapted to enter and pass through the orifice of the plate, a locking member pivotally carried by the door to bear against



the outer face of the bar and having an undercut outer end edge and a recess in proximity to its end edge adapted to engage the outer edge of the plate, and means for sealing the locking member to the bar when the parts are in the engaged position.

1,515,762. FLUID-MEASURING DEVICE. FRANK J. WAGNER, Shamrock, Okla. Filed Mar. 17, 1923. Serial No. 625,772. 3 Claims. (Cl. 73-37.)

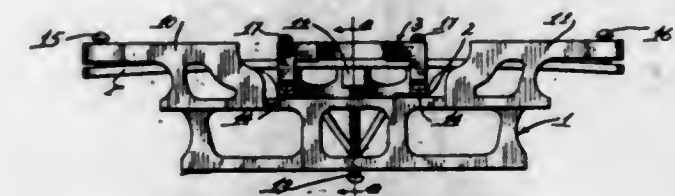


1. In a measuring device, a housing, a movable member within the housing, said movable member being divided into compartments, said movable member adapted to normally lie in an upright position to receive fluid, an auxiliary tank in communication with each compartment, and disposed laterally thereof, said auxiliary tank adapted to fill with fluid when the fluid in the compartments reaches a predetermined level, the weight of the fluid in the auxiliary tanks adapted to overbalance the movable member to cause the movable member to dump the contents, and registering means actuated by movement of the movable member.

1,515,763. SAW JOINTER. JOHN H. WHELOCK, Hamilton, Wash. Filed Dec. 26, 1922. Serial No. 608,971. 1 Claim. (Cl. 76-46.)

A main frame having a centrally disposed seat or recess, a vertically movable clamp mounted in said seat, said clamp having a file seat formed under its top or upper face, the lower wall of said file seat being slotted

to permit the saw teeth to pass up into engagement with the file, an apron depending from the lower edge of said clamp at the front face thereof, said main frame having pockets in its front wall in which said apron is mounted for vertical sliding movement, a laterally extending shoulder at the base of said apron to rest on the upper end of the main frame in the recess portion thereof, the width of the clamp above said shoulder being such that when the slide is in position on the main frame the upper surface will be flush with the end por-



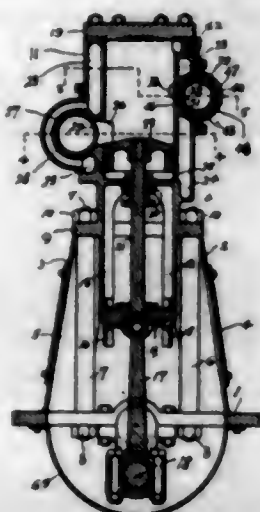
tion of said frame, a laterally extending lug on the inner face of the front wall of said clamp above its connection with the apron, an adjusting screw operable through the front wall of the frame abutting against said lug to adjust the clamp vertically in relation to the saw teeth and hold it in adjusted position, and fulcrumed at the end of said clamp for the file to be used to adapt it to conform to the curvature of the teeth to be jointed, and cooperating screws carried by the ends of the main frame and the clamp to assist in the adjustment of the file.

1,515,764. IGNITION-SWITCH LOCK FOR AUTOMOBILES. JOHN B. ALBERT, Bridgeport, Conn. Filed Aug. 31, 1923. Serial No. 660,285. 6 Claims. (Cl. 200-45.)



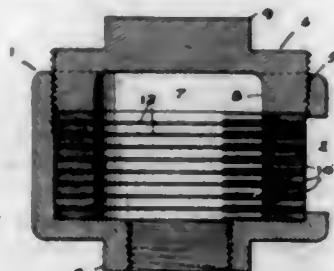
1. In a device of the character described, the combination of a casing, a rotary shaft journaled in said casing, a series of spaced and gated disks the innermost of which is a master disk and is rigid with said shaft while the remaining disks are auxiliary and have axial friction tight bushings that are loosely supported on said shaft, interengaging members carried by said bushings and master disk, a terminal in the ignition circuit, a switch in said circuit for making and breaking contact with said terminal, a spring depressed member which carries said switch and has a cross-bar which normally rests upon the peripheries of said auxiliary disks when the gates of the latter are out of alignment but which enters the aligned gates of the disks and thereby causes the switch to make contact with said terminal to close the circuit, a manipulating knob and index carried by the outer portion of said shaft, and a dial with which said index registers.

1,515,765. INTERNAL-COMBUSTION ENGINE. SYDNEY ASSEN, Victoria, British Columbia, Canada. Filed Feb. 10, 1923. Serial No. 618,285. 3 Claims. (Cl. 123-74.)



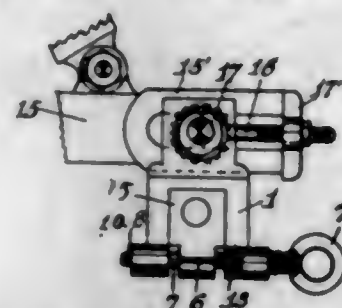
3. In an internal combustion engine, an explosion cylinder and a piston therein, said cylinder being closed at both ends and having intermediate its height an intake port and on the opposite side to and on a lower plane than the intake port an exhaust port, a transverse cylindrical chamber carried by the said cylinder into which the said intake port opens, said cylinder having a port in its wall open to the atmosphere and being extended to form a lower chamber communicating at its lower end with the lower end of the cylinder, an outer valve sleeve mounted for partial rotation in the transverse chamber open at one end to the lower chamber having ports designed for registration at predetermined intervals with the said intake and atmosphere ports, an inner valve sleeve mounted for partial rotation in the bore of the outer one also open at one end to the lower chamber having ports designed for registration at predetermined intervals with the outer sleeve ports and the intake and atmosphere ports, cam-operated mechanism for operating the outer valve sleeve, eccentric-operated mechanism for operating the inner sleeve independently of the outer one, a transverse cylindrical chamber open at one end carried by the cylinder into which the exhaust port opens, a valve sleeve rotatably mounted in said chamber having one end open to the open end of the chamber and being provided with a port adapted to register at predetermined intervals with the exhaust port, and means for rotating said valve.

1,515,766. SPRAYER. SAMUEL ASTREN, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,104. 3 Claims. (Cl. 299-141.)



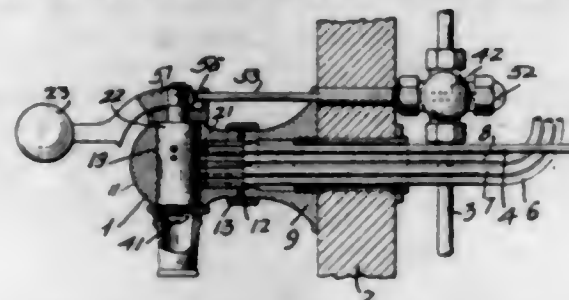
1. A sprayer of the character described embodying in its construction a housing having an opening in one side and provided with means for connecting said housing with a source of liquid supply, a plurality of rings mounted in superposed relation within the housing, a removable plug in the housing holding said rings in place and a plurality of gaskets interposed between said rings, which gaskets are cut away for part of their circumference in order to provide openings between the rings at points opposite the opening in the housing.

1,515,767. BEARING SUPPORT WITH BOLTING BARS OR PINS FOR BICYCLES, MOTOR CYCLES, AND SUCH LIKE VEHICLES. GUSTAV DAHLHAUS, Coblenz, Germany. Filed Dec. 24, 1923. Serial No. 682,572. 2 Claims. (Cl. 208-11.)



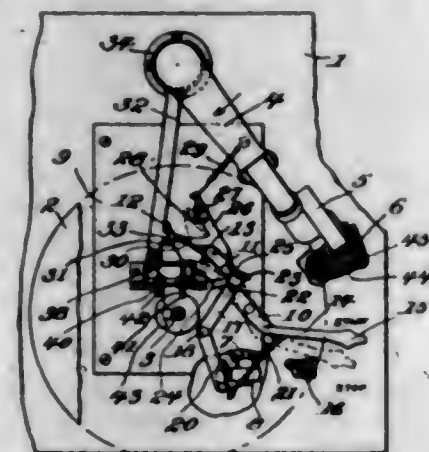
1. A wheel support for bicycles and the like, comprising a supporting fork having a bearing plate held detachably between its fork members and being formed with eyelets for the reception of a slidable fastening bolt whereby the bearing plate can be locked in position, the supporting fork being connected to the fork ends of the bicycle frame in known manner.

1,515,768. DISPENSING FAUCET. WILLIAM N. DAMON, San Francisco, Calif. Filed Jan. 29, 1923. Serial No. 615,623. 5 Claims. (Cl. 225-26.)



1. In a dispensing faucet for a soda fountain, a housing having a passage connecting a source of carbonated water and a plurality of passages connecting, respectively, sources of various syrup flavorings, a rotatable valve seated within said housing and adapted to shut off all of said passages, a plurality of syrup discharge ports in the valve so arranged as to successively register, each respectively, with one of the syrup flavoring passages upon rotation of the valve and additional discharge ports in the valve communicating each, respectively, with said syrup discharge ports adapted to register with the carbonated water passage upon the registering of the syrup passage and port.

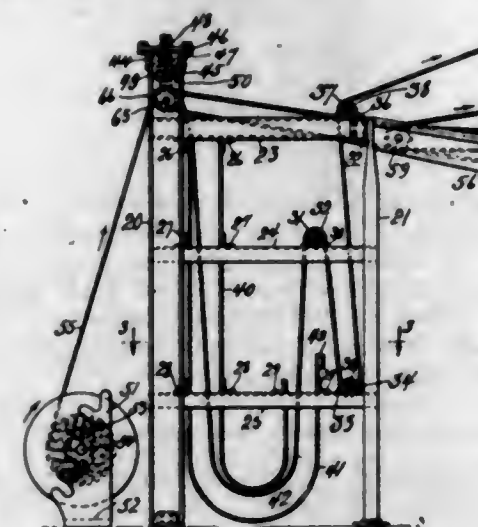
1,515,769. AUTOMATIC NONSET STOP FOR PHONOGRAPHS. LEO GANTERT, Yoakum, Tex., assignor of one-third to David J. Shall, Yoakum, Tex. Filed July 3, 1922. Serial No. 572,681. 12 Claims. (Cl. 192-118.)



1. In an automatic non-set stop mechanism for phonographs, the combination of record supporting and rotating means including a shaft, a brake device, a sound

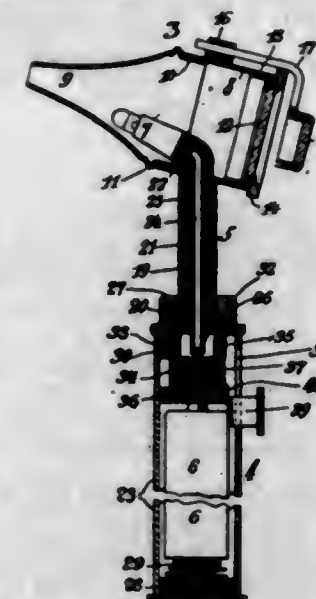
reproducing means including a movable tone arm, an oscillating controller having frictional engagement with said tone arm, a shaft between the first-named shaft and said controller, a wheel on said shaft, a rotary element actuated by the first-named shaft for engagement with said wheel for periodically turning the second-named shaft, and means actuated by the second-named shaft for periodically moving the controller in a direction reverse to its movement by the tone arm.

1,515,770. ADJUSTABLE FEEDING APPARATUS. EDWARD GUY GORREN, New Orleans, La., assignor to The E. V. Benjamin Company, Inc., New Orleans, La., a Corporation of Louisiana. Original application filed Dec. 8, 1919, Serial No. 343,391. Divided and this application filed June 3, 1921. Serial No. 474,863. 2 Claims. (Cl. 271-23.)



1. In a feeding apparatus the combination of a trough, feed rollers to feed a sheet of material into the trough, the trough adapted to guide said sheet through and from the trough, a rotating shaft journaled adjacent to the trough, a clutch connected to the shaft, a sprocket chain wheel connected to one member of said clutch, a sprocket chain wheel for one of said feed rollers, a sprocket chain connecting the two sprocket chain wheels and means to manually actuate the clutch.

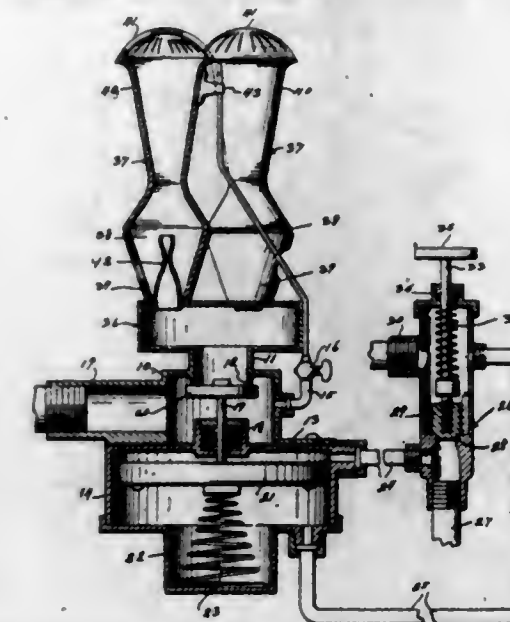
1,515,771. AURISCOPE. OSCAR GREENWALD, Brooklyn, N. Y. Filed Dec. 18, 1922. Serial No. 607,748. 2 Claims. (Cl. 128-9.)



1. In an auriscope the combination of a vision tube, a speculum frictionally and detachably held in one end of said tube, an electric lamp in said speculum, a stem extending angularly to one side of said vision tube and terminating in a tapered end, a handle having a tapered

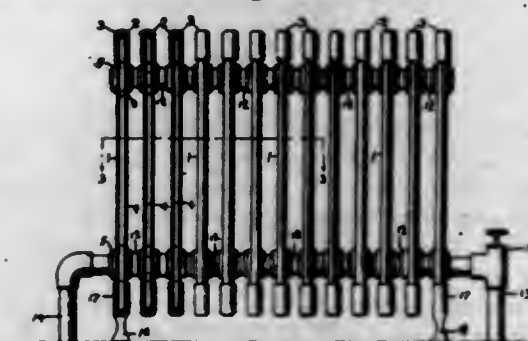
opening for receiving the tapered end of the stem whereby to connect said stem and handle frictionally in adjustable axial relationship and means in said stem and handle for producing light in the said lamp irrespective of the axially adjusted relationship between said stem and handle.

1,515,772. AUTOMATIC WATER HEATER. FRANK HARDIE, Hammond, Ind. Filed Oct. 20, 1923. Serial No. 669,821. 1 Claim. (Cl. 126-351.)



In combination, a gas burner, a gas chamber having an open side and provided in its opposite side with a port communicating with the gas burner, the inner end of the port forming a valve seat, a control cylinder secured to the gas chamber and having one end wall thereof closing the open side of the gas chamber, a piston within the cylinder having a stem directed through said wall of the control cylinder, a valve on the end of said stem and coacting with said valve seat, a spring normally maintaining said valve in engagement with said valve seat, a casing having an inlet and an outlet end and a spring-seated valve closing toward the inlet end thereof, the inlet end of the casing being in communication with a source of fluid supply, a connection between the inlet end of the casing and the cylinder between the piston and said end wall thereof, a connection between the outlet end of the casing and the opposite end of the cylinder, and means for controlling the pressure exerted upon the valve of the casing by the spring thereof.

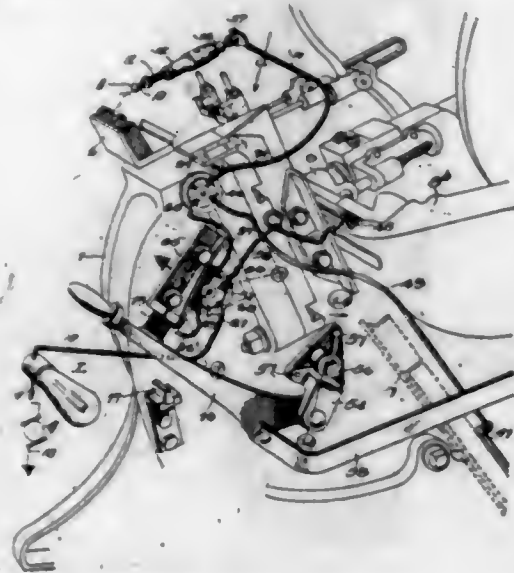
1,515,773. HEATING RADIATOR. FREDERICK CHARLES HUNT, London, Ontario, Canada. Filed Oct. 23, 1922. Serial No. 596,499. 2 Claims. (Cl. 257-140.)



2. A radiator comprising a plurality of drawn metal tube sections formed to shape and their ends pinched in towards each other and welded together, each radiator section being provided with registering orifices in its side walls in the vicinity of the top and bottom thereof, nipples having enlarged central portions with orifices extending from the interior to the exterior thereof, said nipples having opposed threaded ends, the enlarged por-

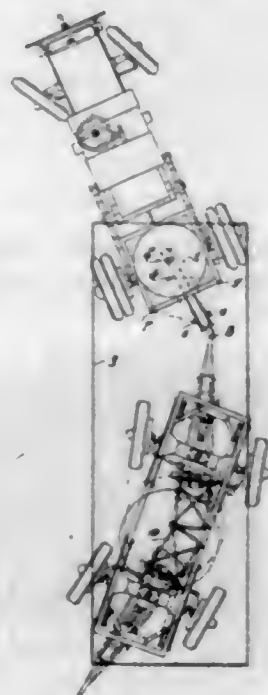
tion of each nipple being disposed interiorly of the radiator section with the opposed ends protruding through the orifice in the side walls thereof, and internally threaded collars screwed onto adjacent ends of adjacent nipples for holding the sections in spaced relation to each other.

1,515,774. METHOD OF AND APPARATUS FOR AUTOMATICALLY STOPPING AUTOMATIC PRESSES. LYMAN LLEWELLYN JONES, Seattle, Wash. Filed Sept. 14, 1921. Serial No. 500,717. 12 Claims. (Cl. 192—125.)



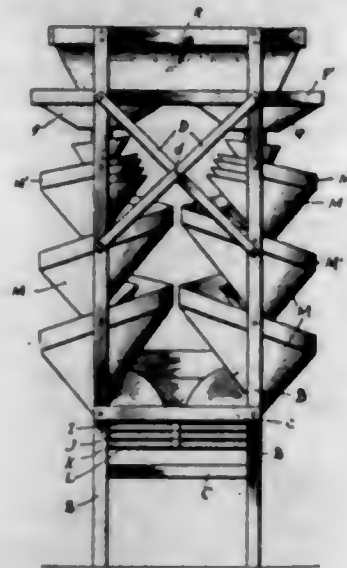
1. Stop motion mechanism, including a starting and stopping lever, and electromagnetic means energized to hold the lever in the starting position with a predetermined force, to withstand vibrations of a strength equal to said force but not those in excess thereof.

1,515,775. AUTOMATIC STEERING DEVICE FOR TRACTOR TRAINS. HENRI WOUTER JONKHOFF, Semarang, Java, Dutch East Indies. Filed June 10, 1923. Serial No. 646,426. 4 Claims. (Cl. 280—33.55.)



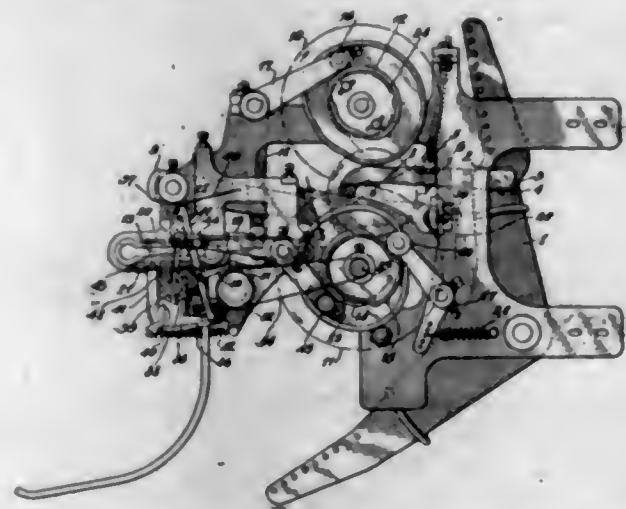
1. An automatic steering device, comprising two vehicles, a loading platform common to the vehicles, a coupling pivotally connecting the two vehicles, and a flexible connection controlling the position of the pivot point in accordance with the differences in direction of the longitudinal axes of the loading platform and the vehicles.

1,515,776. GRAIN SEPARATOR AND CLEANER. HENRY K. RUSSOW, Ellsworth, Minn. Filed May 24, 1921. Serial No. 472,314. 1 Claim. (Cl. 130—17.)



In a separator of the character described, a plurality of spirals vertically arranged and terminating at their upper ends in equal spaced relation from a common point, a seed hopper disposed above said spirals and having an outlet in the bottom thereof, a vertically adjustable cap interposed between said hopper and the spirals, and a hopper about said cap.

1,515,777. GEARED HEAD MOTION FOR LOOMS. ROBERT LAUFER, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 19, 1923. Serial No. 663,523. 7 Claims. (Cl. 139—77.)



1. In a geared head motion for looms, a vibrator, a lever pivoted thereon, a second pivoted lever pivotally attached to the first lever, a reciprocable knife, rods reciprocated by said knife, said rods being attached to the second named lever at each side of the fulcrum of said lever, whereby as the rods are reciprocated said vibrator is actuated.

1,515,778. METHOD AND APPARATUS FOR HEAT GENERATION AND CONTROL. RALPH W. E. LEACH, Boston, Mass. Filed June 4, 1920. Serial No. 386,636. 5 Claims. (Cl. 110—49.)

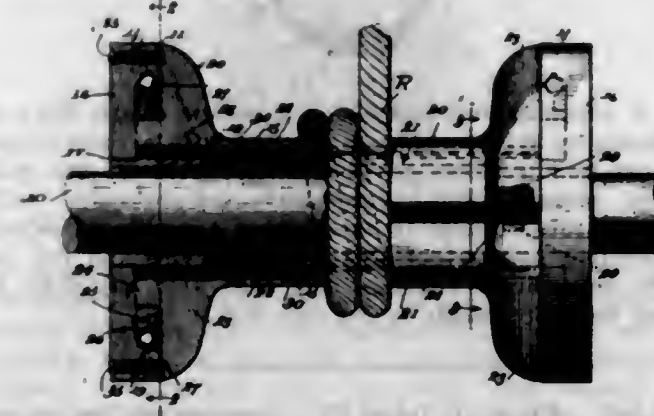
1. In an apparatus of the kind described, the combination with a housing providing a fuel combustion chamber and a retort chamber in communication with the latter, of material containers located within said retort chamber and around which pass the products of combustion flowing from said combustion chamber, said housing hav-

ing flues for discharging said products of combustion from said retort chamber, a fuel supporting grate in said combustion chamber, an air tight compartment beneath said grate, means for returning a predetermined proportion of products of completed combustion after discharge from said retort chamber into said air tight compartment to pass thence upwardly through the fuel



bed supported by said grate, and an air delivery means having discharge means arranged beneath a portion of the area of said grate for delivering air to support combustion of fuel mixed with returned products of completed combustion sufficient to reheat said returned products of completed combustion and regulate the resultant of the additional fuel burned to the desired temperature degree and at maintained desired volume.

1,515,779. CLUTCH WINCH HEAD. GEORGE FRANKLIN LE BUS, El Centro, Tex. Filed Feb. 19, 1924. Serial No. 693,843. 6 Claims. (Cl. 254—176.)

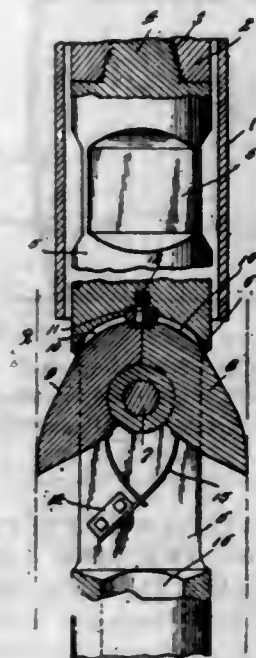


1. In combination, a rotating shaft, a drum including sections, yieldable means for expanding the sections, means for mounting the expanded sections so that they are loose with respect to the shaft, and means for clutching the sections to the shaft when they are contracted.

1,515,780. UNDERCUTTING REAMER FOR OIL WELLS. RUSH C. LEWIS, Abilene, Tex. Filed Dec. 16, 1922. Serial No. 607,273. 1 Claim. (Cl. 255—76.)

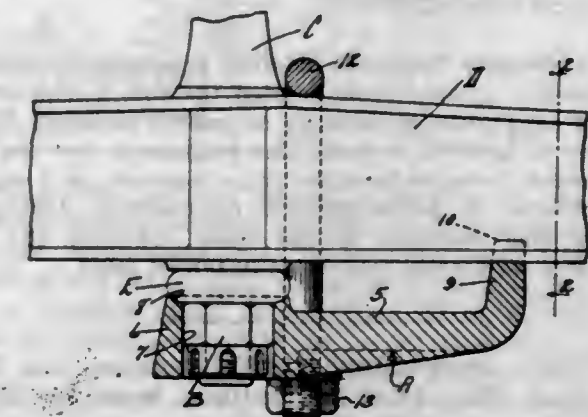
An undercutting reamer including a body having an elongated slot formed therein, the upper end terminating in an arcuate wall, a pin extending transversely through said slotted portion, a pair of cutter members rotatably mounted on said pin having arcuate end portions for slidably fitting the arcuate end of the slot, the opposite end portions being adapted for projection beyond the body and having cutting edges, the lower portions of the member inclining upwardly from the cutting edges so that the members will be held in extended position by the cutting action and engagement thereof with the work, a pair of leaf springs mounted in the slot of

the body engaging between the members below the pivot and normally forcing them apart into operative position, mud passages formed in the arcuate ends of the members for permitting mud or foreign matter collecting between the upper ends of said members to be forced out-



wardly through said passages in the outward movement of the members into operative position, and a limiting element removably mounted in the central portion of the arcuate wall of said slot for limiting the movement of said members on their pivots and for engaging the relative operative position thereof.

1,515,781. RADIUS-ROD NUT CLAMP. LEVI D. LIVINGSTON, Joplin, Mo. Filed Feb. 1, 1924. Serial No. 690,028. 2 Claims. (Cl. 267—66.)

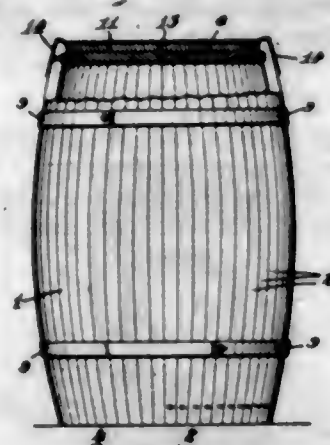


1. The combination with a vehicle axle, a spring perch extending through the vehicle axle, a radius rod fitted on the perch in engagement with the axle, and a nut threaded on the perch in engagement with the radius rod, of an attachment for the perch and radius rod including a body plate, a foot formed on one end of the plate, for engaging the axle, means for clamping the plate to the axle, and an extension formed on the plate having an opening of polygonal shape for receiving the nut and for supporting the radius rod.

1,515,782. SECTIONAL BARREL. AARON W. LOVEYS, Sault Ste. Marie, Ontario, Canada. Filed Mar. 18, 1924. Serial No. 700,110. 1 Claim. (Cl. 217—44.)

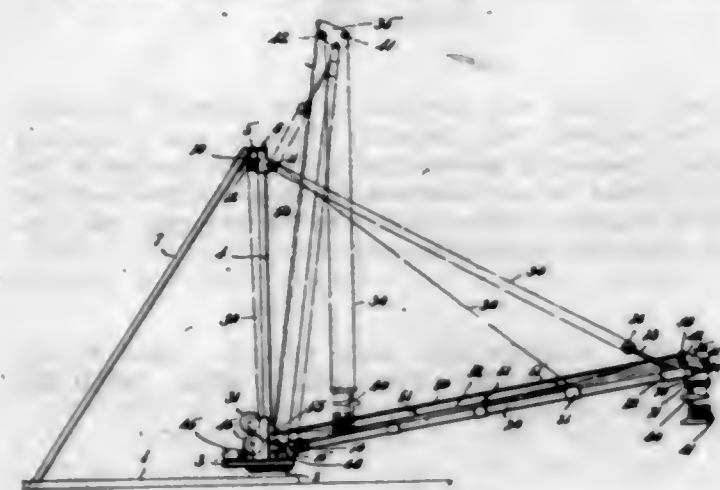
A sectional barrel comprising a plurality of separate arcuate sections, each section consisting of a plurality

of adjacent staves, each staff having nails driven there-through and into the contiguous staff, and flexible hoops



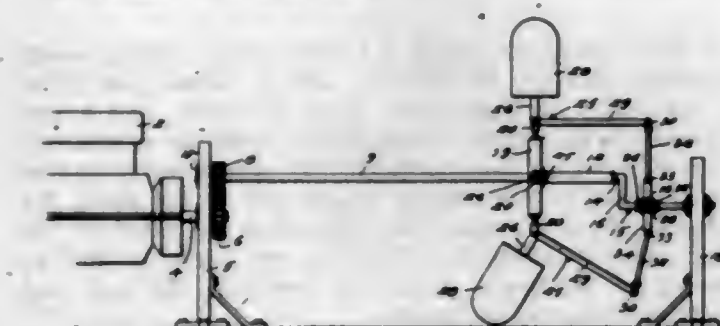
each comprising a pair of semicircular members pivoted together at their ends, said hoops being adapted to be contained within the arcuate wall sections.

1,515,783. AUTOMATIC LEVELER FOR BRICK-SETTING CRANES AND THE LIKE. GRAFTON E. LUCE, Chicago, Ill. Filed Dec. 11, 1920. Serial No. 430,033. 8 Claims. (Cl. 212-58.)



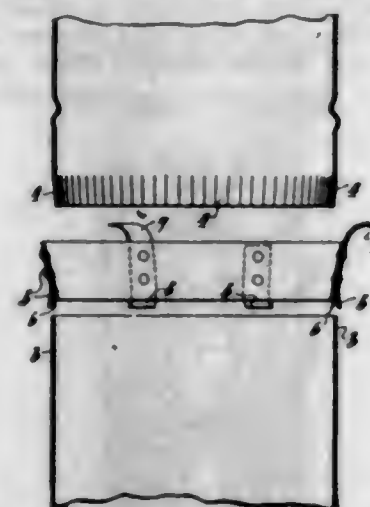
1. A portable rotatable hoisting apparatus of the kind described, a pivoted boom carried thereby, a support carried by said boom, a plurality of pulleys mounted on said support to provide a four-point suspension for the work and means acting automatically to maintain said supporting pulleys in predetermined relationship during the raising and lowering of the boom, whereby the work supported therefrom will be maintained level.

1,515,784. PROPELLER DRIVE. GUSTAF A. LUND, Peshtigo, Wis. Filed Dec. 6, 1922. Serial No. 606,192. 4 Claims. (Cl. 244-25.)



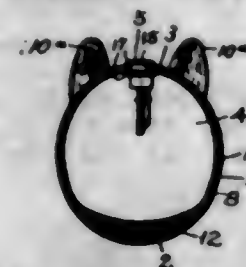
1. In an apparatus as described, a motor, a rotatable shaft driven thereby, a plurality of weights, means for pivotally mounting said weights on said rotatable shaft to turn therewith, and means for causing said weights to approach the axis of said shaft during a portion of their cycle.

1,515,785. STOVEPIPE GUIDE. JOHN McDONALD, Vancouver, British Columbia, Canada. Filed Nov. 6, 1923. Serial No. 673,150. 2 Claims. (Cl. 29-88.2.)



1. Means for inserting the end of one stove pipe into another, said means comprising a ring having free ends, one edge of which ring is adapted for insertion into the end of one stove pipe while the other edge is outwardly flared therefrom, clips secured at intervals apart around the outside of the ring with a space between them and the ring, one end of each of said clips projecting beyond the edge of the smaller end of the ring.

1,515,786. SOUNDING ELASTIC TOY. HAROLD W. MUNRO, Providence, R. I. Filed Apr. 10, 1923. Serial No. 631,121. 4 Claims. (Cl. 46-46.)



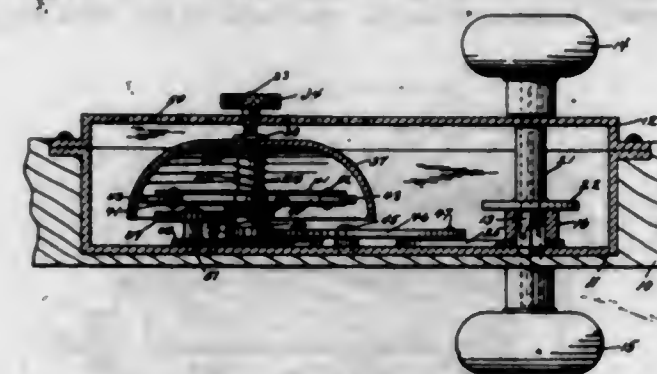
1. A sounding toy comprising a hollow elastic body of substantially spherical shape provided with a voice device inserted in a perforation in the wall thereof, the wall thereof being moulded externally and provided with external protuberances to simulate an ornamented object, the location and weight of the voice device and the external protuberances being such that said toy may be rocked but not readily rolled and lost.

1,515,787. FLORAL BASKET. RYONOSUKE NISHIYAMA and KAIZO SUZUKI, Los Angeles, Calif. Filed May 8, 1924. Serial No. 711,861. 9 Claims. (Cl. 41-12.)



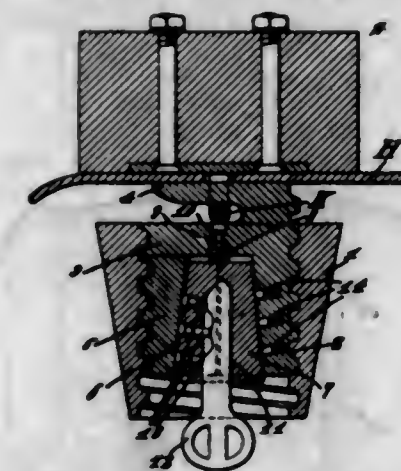
1. The combination with a basket body consisting of wire netting forming the sides, top and bottom of the body, of a ball therefor, a light and spongy fabric cover for the content of the body, and a paper fabric cover for the body.

1,515,788. ALARM MECHANISM. ANDRU G. PAPPA-DAKIS, Detroit, Mich. Filed Dec. 6, 1923. Serial No. 673,954. 7 Claims. (Cl. 116-97.)



2. In a device of the character described, the combination with a knob spindle; of an alarm mechanism having a pinion to receive the power for operating the same; a sector pivotally connected with said alarm mechanism, the teeth of which mesh into those of said pinion; a cam plate connected with the knob spindle having a cam slot therein, into which projects a cam pin fixed in said sector; and means for disconnecting the striking mechanism of said alarm mechanism from said pinion movable substantially parallel with the axis of rotation of the striking mechanism.

1,515,789. PADLOCK. WILLIAM G. PARMELE, Seattle, Wash. Filed Dec. 12, 1923. Serial No. 680,222. 4 Claims. (Cl. 70-17.)



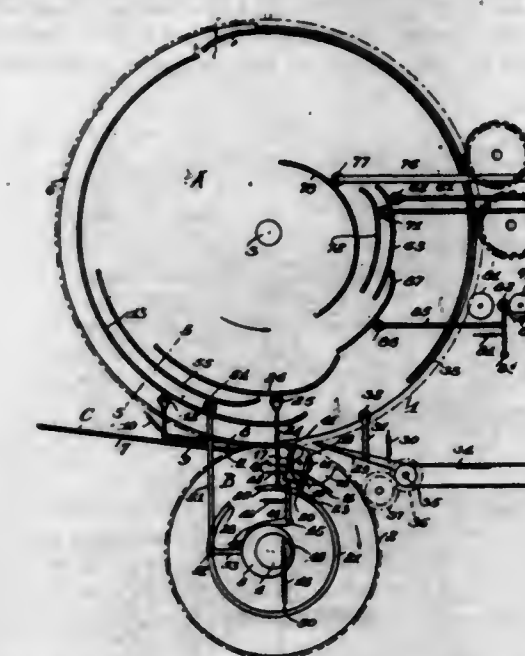
1. A padlock including a core having a relatively movable segmental portion, there being a tapered recess extending into the core and segmental portion, a keeper engaging tongue at one end of the core, a housing in threaded engagement with the core, and means adjustable within the recess to shift the segment relative to the core to bind the housing against rotation relative to the core.

1,515,790. TIMER CAP. NEWELL B. PARSONS, La Grange, Ill., assignor to John W. Olson, Chicago, Ill. Filed Mar. 8, 1920. Serial No. 364,028. 21 Claims. (Cl. 200-26.)



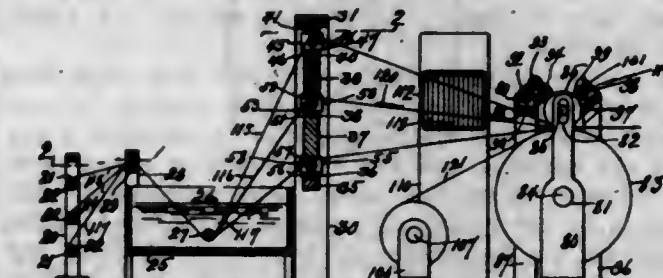
5. In a timer, a cup-shaped cap having a groove; and a number of bosses on said cap, each having a recess therein, there being inclined passages in said cap connecting the recesses in said bosses with said groove, substantially as described.

1,515,791. PRINTING PRESS. CECIL R. REDNER, Rochester, N. Y. Filed Oct. 4, 1923. Serial No. 666,598. 8 Claims. (Cl. 101-242.)



1. In a printing press, the combination with rotary type and impression cylinders and paper feeding and stripping mechanism and inking mechanism therefor, of a plurality of cams on the end face of one of said cylinders for actuating said mechanisms.

1,515,792. UNWOVEN FABRIC AND PROCESS FOR MAKING THE SAME. ROLAND B. RESPESS, New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed Mar. 11, 1919. Serial No. 282,017. 25 Claims. (Cl. 154-2.)

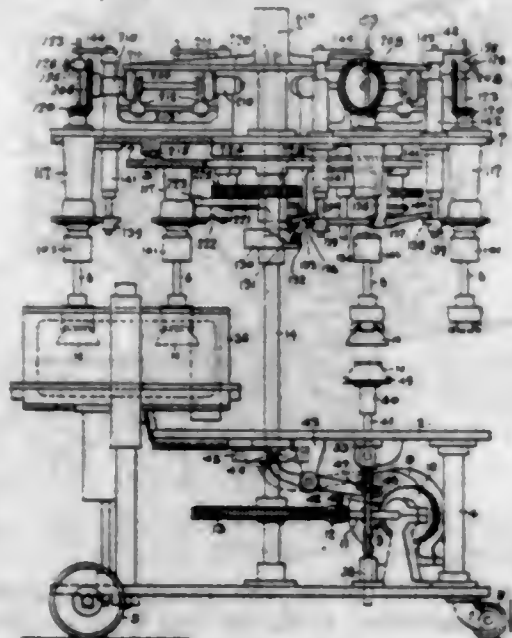


1. The herein described process of making an unwoven fabric consisting of coating threads or cords with a binding agent, conducting the threads or cords through movable guides in parallel lines to a gathering place, laying a binding sheet of fibers on a set or sets of threads or cords, conducting the coated threads or cords so that they run parallel to each other lengthwise of the sheet to be formed in a wavy or predetermined design, coating another set or sets of parallel threads or cords with a binding agent, conducting the second set or sets of parallel threads or cords through a movable guide to a gathering place, depositing the second set or sets of threads or cords so that the threads or cords run parallel to each other lengthwise of the sheet in a wavy or predetermined design to overlap the first set or sets of threads or cords, compressing the product and drying same.

1,515,793. MACHINE FOR FINISHING GLASSWARE. ANDREW J. SANFORD and JOHN B. TOWNSEND, Newark, Ohio, assignors to A. H. Halsey & Co., Newark, Ohio, a Copartnership. Filed Mar. 27, 1922. Serial No. 547,227. 20 Claims. (Cl. 40-58.)

3. Apparatus for fire-polishing and finishing glassware comprising a carrier, a circular series of vertical and individual punties carried by said carrier, a snap carried at the lower end of each of said punties, means for im-

parting a step-by-step rotation to the said carrier, means automatically operable during the intervals between the said movements of the carrier for causing two of the said snaps to open to receive and discharge glassware respectively, and means for fire-polishing and finishing the ware carried by the snaps of the remaining pumtles.



4. The combination with a fire-polishing machine, of a ware-holder, a snap carried by said ware-holder, automatically operable means for opening and closing said snap, and means for presenting ware to the said snap comprising a ware support and means for raising and lowering the said support.

1,515,794. PROCESS OF MAKING STEEL INGOTS FREE FROM BLOWHOLES. ISAAC M. SCOTT, Wheeling, W. Va., and SAMUEL PEACOCK, Philadelphia, Pa. Filed May 8, 1923. Serial No. 637,569. 1 Claim. (Cl. 75-27.)

The process of producing steel ingots free from blow holes and contaminating oxides which consists in mixing iron oxide with molten pig iron to eliminate a portion of the carbides and any compounds of silicon present; refining the molten metal thus produced by subjecting it to the action of reducing gases; and adding ferrosodium to the refined product in a quantity sufficient to remove all oxides and occluded gases present.

1,515,795. VENTILATING CURTAIN FOR MOTOR VEHICLES. CHARLES EDW. SEARCH, Milwaukee, Wis. Filed Mar. 6, 1922. Serial No. 341,452. 6 Claims. (Cl. 296-138.)

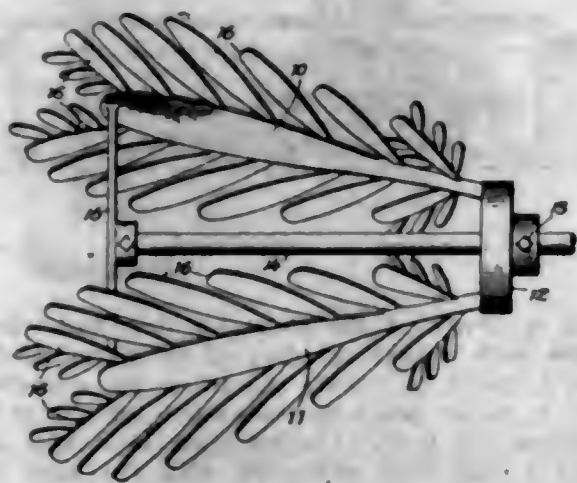


1. A side curtain for automobiles having a window therein, a netting or screen material extending over said window and secured at the margins to the curtain, and a curtain shutter slidably mounted to be moved over the window or withdrawn therefrom.

1,515,796. PROPELLER FOR AEROPLANES. HERBERT SIESHOLTZ, Allentown, Pa. Filed Jan. 12, 1924. Serial No. 685,857. 3 Claims. (Cl. 170-165.)

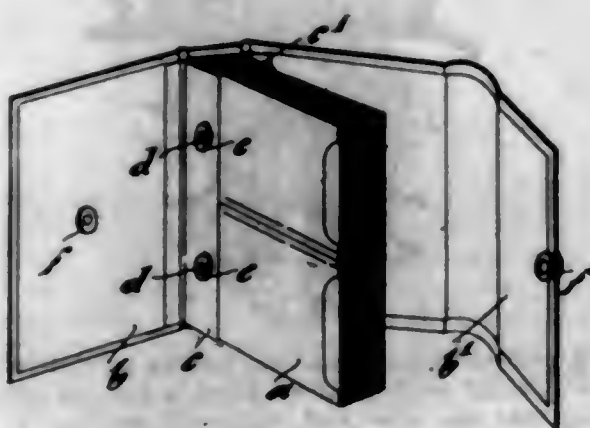
3. An aeroplane propeller having a hub and a pair of wings inclined at divergent angles with respect to one another from the said hub, bracing arms connected at

their outer ends to the free ends of said wings and attachable at their inner ends to a shaft upon which the propeller is mounted, and supplemental wings divergently inclined from the side edges of the main wings



and of reduced size and similar form to the latter, and other and still smaller supplemental wings simulating the form of the first mentioned supplemental wings and extending in divergent relation from the side edges of the last mentioned supplemental wings.

1,515,797. ALBUM OR BOOK CABINET. ARTHUR EDWARD BARTON SMITH, Handsworth, Birmingham, England. Filed Nov. 6, 1922. Serial No. 599,446. 1 Claim. (Cl. 281-25.)

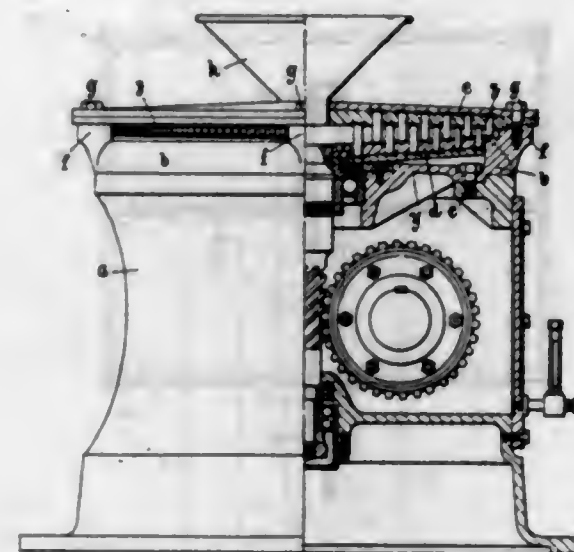


An album comprising a book cover having a back portion and side covers, a magazine of envelopes, a cloth on the inner side of the back portion, doubled to form fins at the junctions between the back portion and the side covers, said fins also providing flaps secured to the side covers, the said envelopes being arranged between the doubled fins, and fastening means extending through the envelopes and the fins.

1,515,798. GRINDING OR DISINTEGRATING AND MIXING MACHINE. JACOB WILLIAM SPENSLEY, Manchester, England. Filed July 6, 1922. Serial No. 573,142. 7 Claims. (Cl. 83-7.)

1. A high speed centrifugal pinned disc mill comprising a fixed casing shaped with supporting parts spaced around its periphery, a disc journaled to rotate in said casing, concentric rows of pins projecting from one surface of said disc, a stationary disc concentric with said rotating disc, having one surface facing the operative surface of said rotating disc and secured to said spaced parts of said casing and concentric rows of pins pro-

jecting from the last mentioned surface of said stationary disc and intercalating with said first-mentioned concentric rows of pins the spaces between said supporting

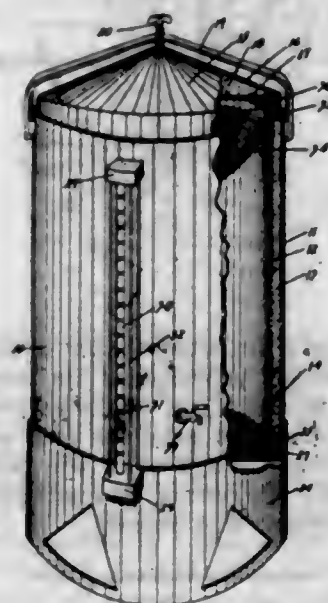


parts of said casing being of sufficient width and circumferential length as to allow of free delivery around the peripheral portion of said disc.

1,515,799. METHOD OF TREATING SPENT PICKLING LIQUORS. EARL P. STEVENSON, Newton, Mass., assignor to Arthur D. Little, Inc., Newton, Mass., a Corporation of Massachusetts. Filed Sept. 5, 1922. Serial No. 586,189. 7 Claims. (Cl. 23-126.)

1. A process of treating spent pickling liquors which comprises bringing a hot saturated solution of pickling liquor into direct and intimate contact with air at a materially lower temperature and in sufficiently large volume to effect substantial absorption of water from the pickling liquor.

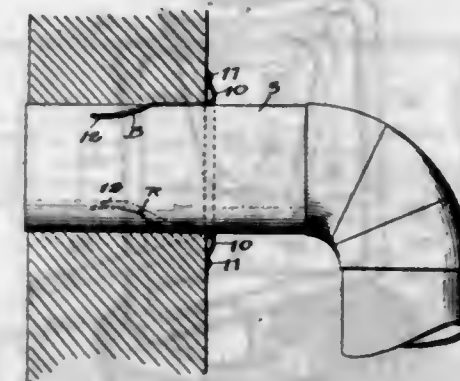
1,515,800. ELECTRIC CONDENSER COFFEE URN. GEORGE A. STOREY, Holtville, Calif. Filed Sept. 25, 1923. Serial No. 664,653. 3 Claims. (Cl. 219-44.)



1. In a coffee urn capable of making coffee under pressure, a safety blow-off valve using a rammed metal disc substantially as described.

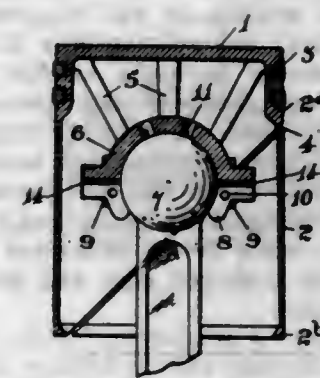
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1,515,801. COMBINED STOVEPIPE COLLAR AND FASTENER. FRANK SALVATORI SYLVESTER and ROLLO CHARLES MARKESKI, Williams, Ariz. Filed June 2, 1923. Serial No. 643,069. 3 Claims. (Cl. 126-315.)



1. In combination with a stove pipe, a collar having a flat prong integral therewith and extending from one side thereof, said prong being curved longitudinally and extending along and partially around and fitted flush up against the outer periphery of the stove pipe.

1,515,802. PISTON. JAMES WATSON, Toronto, Ontario, Canada, assignor of one-half to Edward Jones, Mount Dennis, Ontario, Canada. Filed Jan. 9, 1922. Serial No. 528,088. 2 Claims. (Cl. 74-108.)



1. A trunk piston comprising a head; a resilient skirt, substantially circular in all its external cross sectional contours, depending therefrom and having a single diagonal slit therein extending from the lower edge of the skirt to a point substantially diametrically opposite and close to the head, said slit portion gradually increasing in diameter from its upper to its lower end, said lower end normally being of greater diameter than the cylinder for which it is intended; and a bearing for a connecting rod connected only with the head of the piston whereby the skirt is free to expand and contract.

1,515,803. FUNGICIDE AND INSECTICIDE. HARRY C. YOUNG, St. Louis, Mo. Filed Apr. 4, 1923. Serial No. 629,872. 18 Claims. (Cl. 167-6.)

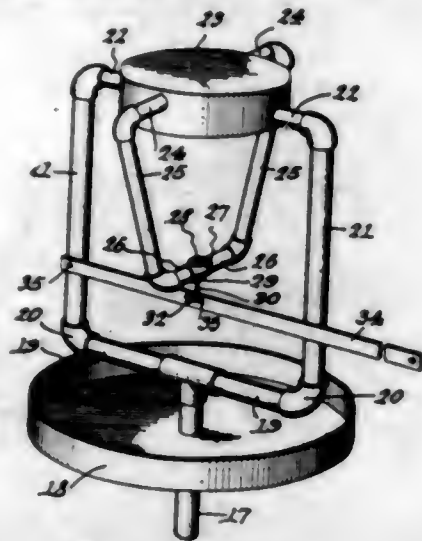
1. A fungicide and insecticide containing a sulphur mixture and having an hydrogen ion concentration of $P_H=3.2$ to 6.4.

5. A fungicide and insecticide containing soluble sulphur, pentathionic acid, salts of polythionic acids, insoluble sulphur, and water.

10. The process of producing a fungicidal mixture which comprises treating a thiosulphate with a mineral acid, keeping the mixture cool during the addition of the acid, warming to 80 degrees C., filtering, and then adjusting the hydrogen ion concentration to $P_H=3.2$ to 5.8.

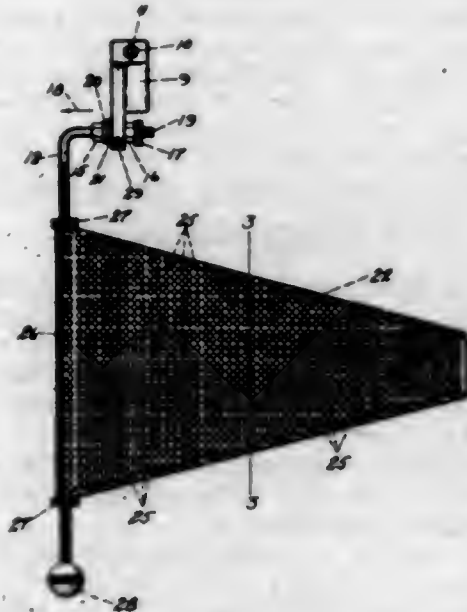
12. A fungicide comprising a precipitated or flocculated sulphur in suspension, and an adsorptive substance, the hydrogen ion concentration having the value $P_H=3.2$ to 6.4.

1,515,804. OIL BURNER. THOMAS D. BRENNAN, Tulsa, Okla. Filed Apr. 23, 1924. Serial No. 708,365. 2 Claims. (Cl. 158-63.)



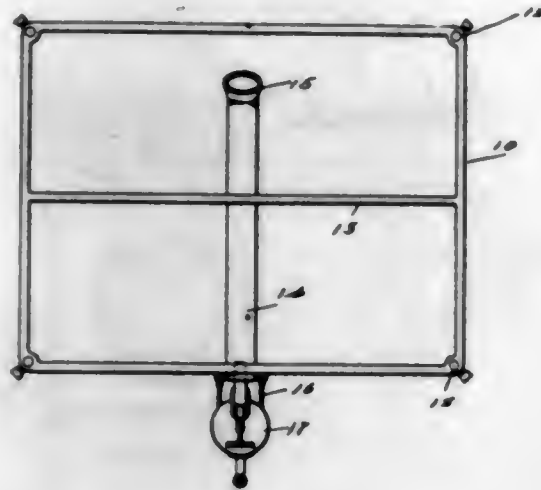
1. A liquid fuel burner comprising, a pre-heating pan, a single oil supply pipe extending upwardly through the central portion of the preheating pan and projecting above the same, a substantially U-shaped pipe connected at its base with the upper end of the supply pipe and arranged in the same vertical plane as a diameter of said pan of the pan above the same, said substantially U-shaped pipe being narrower than the diameter of said pan, a combined deflector and vaporizing chamber mounted within and near the upper ends of the substantially U-shaped pipe, radial branch pipes connected with the lower portion of the vaporizing chamber and the upper ends of the substantially U-shaped pipe, said vaporizing chamber having a smaller radius than said pan and disposed coaxially thereabove, a substantially U-shaped pipe which leads at its upper ends into the top of the vaporizing chamber, the second U-shaped pipe being positioned within the first named U-shaped pipe and disposed substantially at an angle of 90° with relation thereto, a valve device connected in the base of the second named U-shaped pipe, and means to operate the valve device.

1,515,805. GLARE SCREEN. OSCAR F. BRINKMAN, Lancaster, Pa., assignor to Elizabeth Brinkman, Lancaster, Pa., and Ray T. Sherman, Lebanon, Pa. Filed Aug. 6, 1923. Serial No. 656,007. 3 Claims. (Cl. 296-97.)



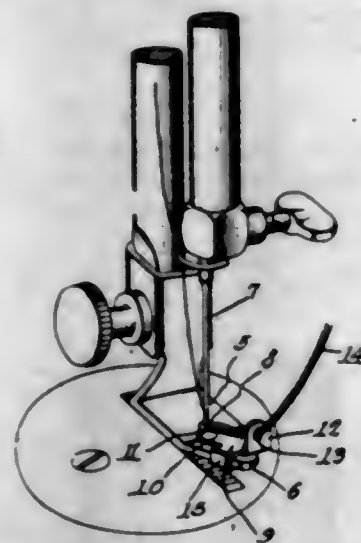
2. In a glare screen, a sheet of finely perforated metal, a sheet of colored glass superposed thereon, and means for supporting said sheets adjacent the windshield of a motor vehicle.

1,515,806. RADIATOR-SOLDERING DEVICE. FRED C. BURT, New Hudson, Mich. Filed Dec. 13, 1921, Serial No. 522,194. Renewed Mar. 26, 1924. 11 Claims. (Cl. 113-50.)



1. A device of the character described comprising a supporting base, a heat conducting pipe arranged horizontally and located beneath the base with one end constricted, upturned and passing through the base, a bracket located at one side of the base and carried thereby adapted to support a blow torch with the nozzle thereof extending into the other end of said pipe whereby to create a blast therein.

1,515,807. EMBROIDERY ATTACHMENT FOR SEWING MACHINES. PAUL CORBIN, Altus, Okla. Filed Dec. 12, 1923. Serial No. 680,147. 2 Claims. (Cl. 112-139.)

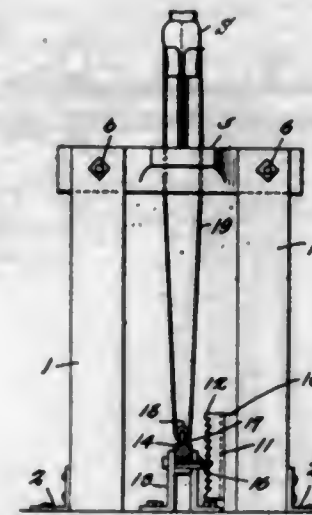


2. An embroidery attachment for a sewing machine, comprising a member provided at its forward end with a tapered notch decreasing in width rearwardly, a thread guiding element arranged near the rear end of the body portion, and a loop formed upon the body portion and extending laterally therefrom and adapted to receive a portion of the presser foot therein.

1,515,808. SHOEMAKER'S STAND. ANTONIO D'ARMI, Federalsburg, Md. Filed Apr. 4, 1924. Serial No. 704,093. 1 Claim. (Cl. 12-123.)

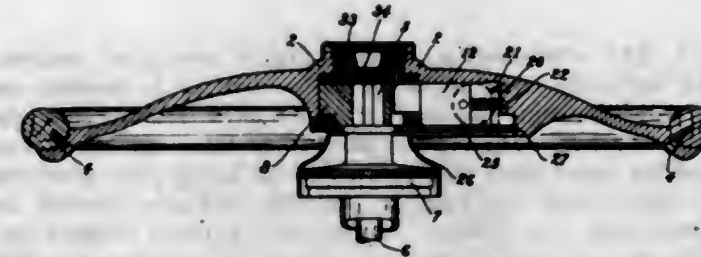
In a device of the class described, the combination of a pair of forked standards, a top member having lateral arms bolted between the same, a tapered last receiving

aperture within the said member, apertures within the said top member for the passage of an endless strap, a foot lever, a slightly arcuate rack, means upon the lever for engagement with the rack to hold the lever against



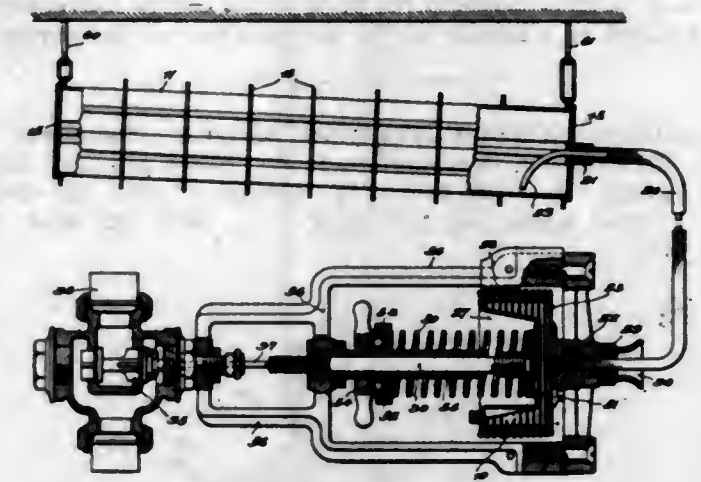
upward movement, a roller mounted on the lever, a last mounted upon the top member, and an endless strap adapted to engage the roller, extend through the top member and hold a shoe upon the last.

1,515,809. LOCKING MEANS FOR AUTOMOBILE STEERING WHEELS. HARVEY C. ECKENROD, Elyria, Ohio, assignor to The Superior Metal Products Company, Elyria, Ohio, a Corporation of Ohio. Filed June 23, 1921. Serial No. 479,950. 8 Claims. (Cl. 70-129.)



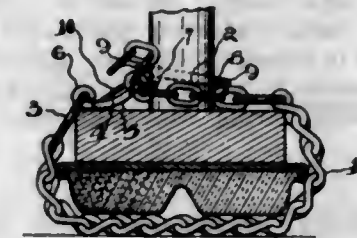
5. In an automobile steering wheel, a lock for said steering wheel, said lock being adapted to render the steering wheel operative or inoperative as desired, said steering wheel comprising a rim, a hub and spokes interconnecting the rim and hub, said lock being disposed in a recess provided in one of the spokes, said spoke being constructed of relatively soft metal, and provided with a transverse notch on a side of the lock, said spoke having a hole drilled therein, the notch in said spoke forming a portion of a wall of the drilled hole, and a hardened steel cylindrical rod tightly fitted in the said hole, said hardened steel rod being adapted to prevent removal of the lock by keying the lock within its recess and at the same time serving as an impediment to sawing through the relatively soft metal spoke towards the lock in an effort to remove the lock.

1,515,810. TEMPERATURE-RESPONSIVE DEVICE. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed June 17, 1921. Serial No. 478,352. 12 Claims. (Cl. 236-18.)



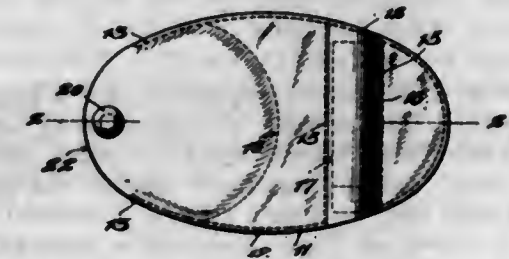
12. A volatile-fluid thermostat including a container for said fluid which is radiate in transverse section.

1,515,811. TIRE CHAIN FOR VEHICLES. STEWART GODDARD, Toronto, Ontario, Canada. Filed May 21, 1924. Serial No. 714,857. 7 Claims. (Cl. 152-14.)



5. A tire chain comprising a tread member; a connecting chain secured to one end of the tread member; a key hole slotted grab link connected to the other end of the tread member adapted for engagement with the connecting chain, said grab link comprising a single piece of rod bent to key hole form and having the ends turned upwardly to form eyes for connection with the tread chain, said grab link having a longitudinally rocked under surface adapted to engage the inner periphery of the felloe and having its chain engaging end bent back at an obtuse angle to said under surface.

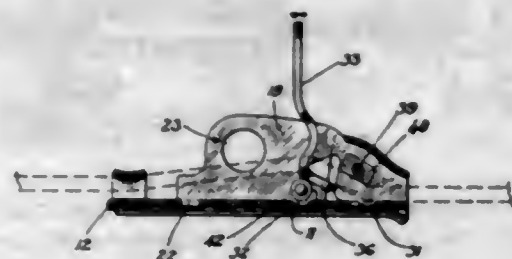
1,515,812. POWDER PUFF. MARJORIE D. LINDON, New York, N. Y. Filed June 26, 1924. Serial No. 722,603. 2 Claims. (Cl. 132-78.5.)



1. A toilet kit comprising a generally flat flexible body portion having its lower face serving as a powder applying surface, a pocket carried by the body portion and projecting above the same with the major portion of the transverse dimension of the pocket arranged wholly above the upper surface of said body portion, and

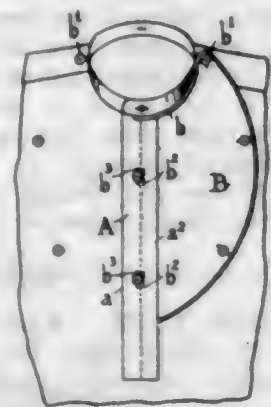
a rigid container for a lip stick or the like inserted within said pocket and serving to substantially fill the same and impart to the pocket a shape in cross section corresponding to the shape of said container, the major portion of the cross sectional area of the container being positioned wholly above the upper surface of the body portion whereby the filled pocket may be conveniently grasped as a handle in the manipulation of the device.

1,515,813. CORD-FASTENING DEVICE. THORNTON L. RICHARDSON, Washington, D. C. Filed Apr. 23, 1924. Serial No. 708,580. 15 Claims. (Cl. 24-134.) (Filed under the act of Mar. 3, 1883, 22 Stat. L. 625.)



6. A cord fastening device comprising an elongated supporting plate along the sides of which cords may be arranged, a lever fulcrumed by the supporting plate, said lever having a head at its one end adapted to move in a recess in said supporting plate and lift the cords when the lever is swung in a proper direction, and means adapted to cooperate with the head of the lever for binding the cords during the last named movement of said lever.

1,515,814. SHIRT. JAMES ROBINSON, Rochdale, England. Filed Apr. 10, 1924. Serial No. 705,698. 1 Claim. (Cl. 2-118.)

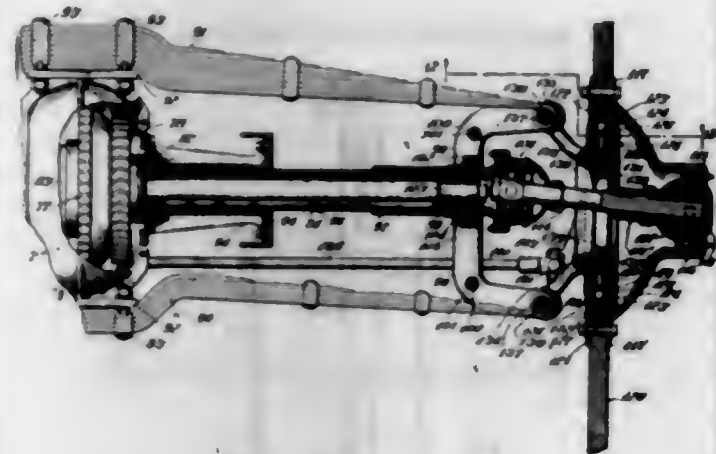


A shirt or shirt front constructed with a double front strap stitched thereto with a central strap adapted to fold to either side, button holes at either side of the central strap and a semi-front affixed thereto which can be folded over to either side in a vertical plane to present a clean or fresh appearance substantially as described.

1,515,815. AUTOMOBILE. CLIFTON R. ROCHER, Chicago, Ill. Filed Nov. 10, 1921. Serial No. 514,248. 19 Claims. (Cl. 180-43.)

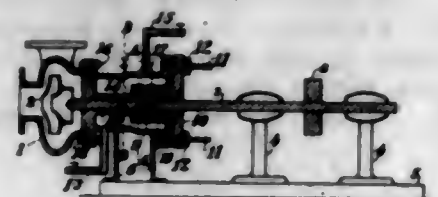
1. In a vehicle a wheel, an annular ball bearing for the same located in the central plane of the wheel, a

frame for the vehicle, a companion ball bearing having an inner race, and a yielding supporting structure be-



tween the frame of the vehicle and said inner race, the wheel being connected to the supporting structure by pivots located in one plane with the ball bearings.

1,515,816. STUFFING BOX. ARTHUR D. SMITH, Arkansas City, Kans. Filed Jan. 8, 1920. Serial No. 350,241. 3 Claims. (Cl. 286-27.)

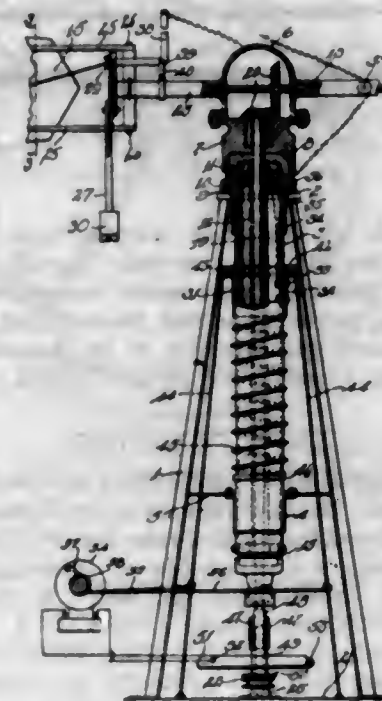


1. The combination with a liquid container adapted for exposure to high temperature having a member extending through the wall thereof of a stuffing box for said member, said stuffing box comprising an inner wall and an outer wall spaced apart and integrally connected at their ends to form an annular chamber having an axial bore, the portion of the bore of said stuffing box adjacent to said container having a working fit with said member and the rest of the bore being enlarged to receive packing, compressible packing in said enlarged portion of the bore, and a packing gland and means for clamping it against said packing, the outer wall of said stuffing box being provided with an inlet opening and an outlet opening for the circulation of a cooling fluid through the chamber in said wall.

1,515,817. WINDMILL. HARRY K. SOMERS, Champaign, Ill. Filed Dec. 26, 1922. Serial No. 609,033. 4 Claims. (Cl. 170-146.)

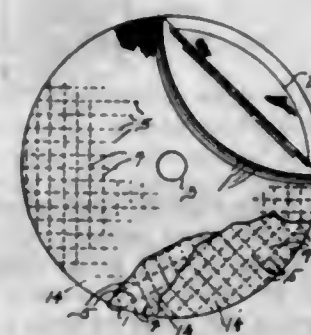
1. In a wind mill, a frame, a housing rotatably carried by said frame, a fan and tail piece carried by said housing, said fan being adapted to rotate said housing with respect to said frame, said tail piece being adapted to swing at right angles to the axis of rotation of said fan, a weighted lever operatively connected to said tail piece for moving said tail piece into alignment with the axis of rotation of said

fan, said weight balancing the pressure of the wind against said fan when said fan is in operation, and manually controlled means operatively connected to



said lever for swinging said lever into inoperative position, said tail being adapted to swing at right angles to the axis of rotation when released by said lever.

1,515,818. BUFFER. FRANK L. YERGES, Fremont, Ohio, assignor of one-tenth to Harry Zimmerman, Fremont, Ohio. Filed June 4, 1923. Serial No. 643,233. 5 Claims. (Cl. 51-193.)

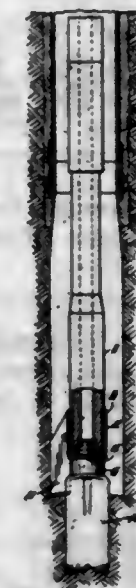


1. A buffer wheel comprising a plurality of plies of plain fabric disks secured to each other by lines of stitching substantially uniformly distributed over the working area thereof to form circular series of pockets successively opening to the periphery as the wheel wears away.

1,515,819. ROTARY WELL DRILL. JOHN A. ZUBLIN, Los Angeles, Calif. Filed Dec. 27, 1922. Serial No. 609,303. 8 Claims. (Cl. 255-73.)

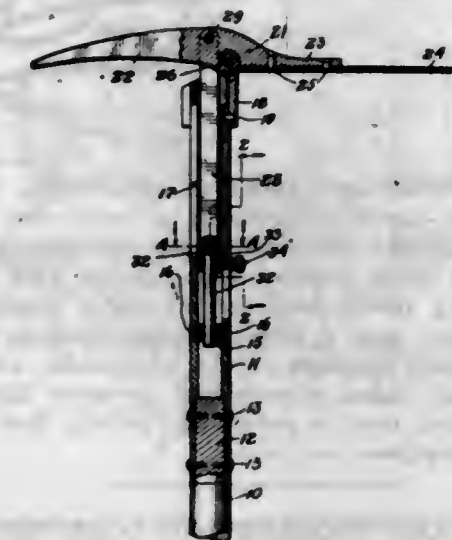
1. A rotary well drill comprising a plurality of separable units including a drill collar, a concentric pilot

bit, and an intermediate non-collapsible underreaming unit having an eccentrically disposed cutter element of



a boring radius greater than that of the pilot bit and rotatable by engagement therewith.

1,515,820. COMBINATION TOOL. ALBRECHT ADELMANN, New York, N. Y. Filed May 29, 1924. Serial No. 716,541. 4 Claims. (Cl. 294-51.)

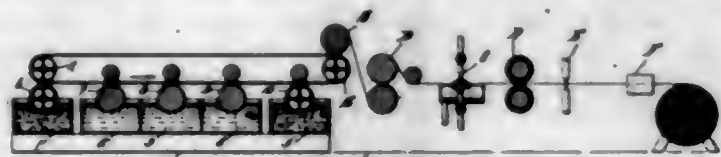


1. A combination tool comprising a handle having a tubular shank portion, a head at the end of the shank, a tool body connected by a transverse pivot to said head at one side of the axis of the handle, the shank being slitted adjacent to the head at the opposite side from the pivot, a portion of the body being movable around said pivot through the slit into the hollow shank, another portion of the body being swingable through an angle around said pivot and carrying a tool adapted for different purposes according to position, link means pivoted to the body eccentric to the pivot aforesaid, and manual means connected to the link means for swinging the body around its pivot.

1,515,821. METHOD OF MAKING SATURATED SHEET MATERIAL. HENRY C. AVERY, New Brunswick, N. J., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 24, 1923. Serial No. 659,078. 5 Claims. (Cl. 92-41.)

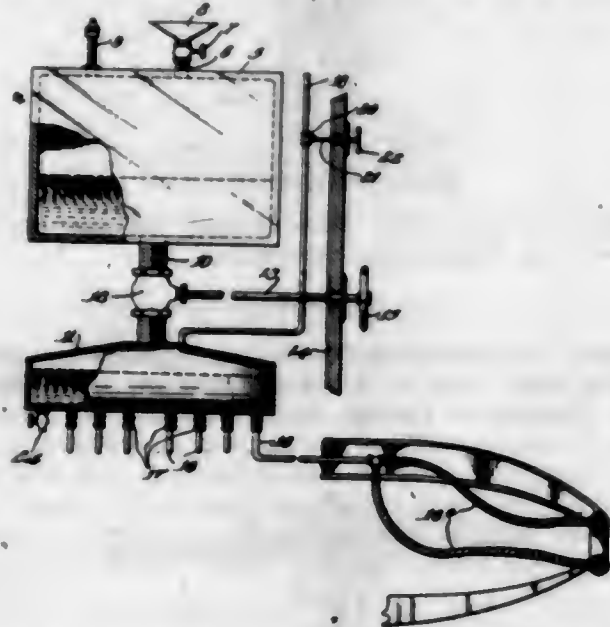
1. The method of making saturated sheet material on a paper machine which comprises forming multi-ply

sheet material, the pulp for the inner ply or plies having saturant therein and that for the outer plies having no saturant therein, drying the material and permitting



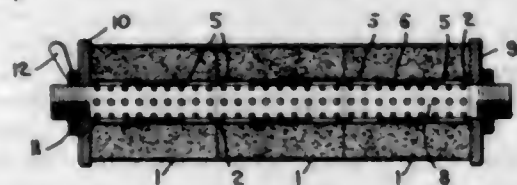
the saturant to coalesce through the inner ply or plies, and then removing the outer plies and finishing the material.

1,515,822. LUBRICATING SYSTEM FOR MOTOR VEHICLES. FRANK L. BAKER, Chicago, Ill. Filed June 7, 1922. Serial No. 568,474. 3 Claims. (Cl. 184-7.)



1. In a lubricating system for automobiles, the combination of a closed oil reservoir, a connection for putting the oil in the reservoir under pressure, a distributing tank, a valve between the reservoir and the tank for controlling the delivery of oil under pressure into the distributing tank, a series of pipes leading from the tank to different bearings of the automobile, and means to deliver air under atmospheric pressure directly to said distributing tank to permit the gravity flow through said series of pipes.

1,515,823. YARN PACKAGE AND CORE THEREFOR. JOSEPH F. BENOIT, Sanford, Me., assignor to Sanford Mills, Sanford, Me., a Corporation of Maine. Filed June 4, 1923. Serial No. 643,288. 3 Claims. (Cl. 8-17.)



1. A core on which a yarn package may be wound comprising a tubular perforated body formed in two sections, the adjacent ends of the sections having fingers interlocking with each other, said sections being movable relative to each other in an axial direction.

1,515,824. DISPLAY TRUCK. JOHN H. BEST, Galva, Ill. Filed Jan. 25, 1922. Serial No. 531,737. 2 Claims. (Cl. 280-61.)

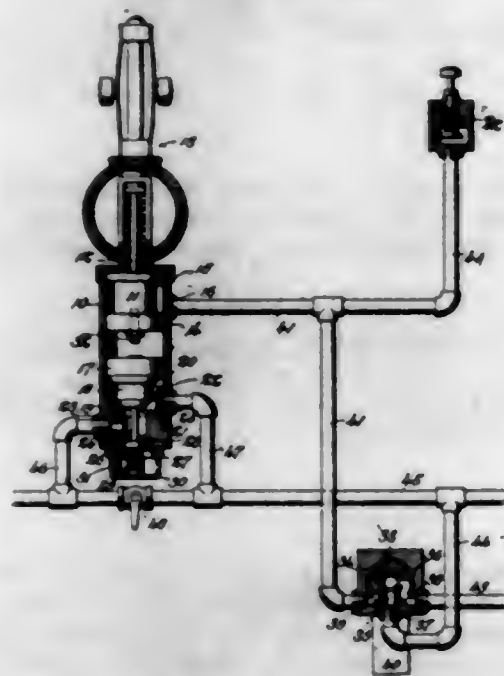
1. A cradle truck comprising a frame having centrally depressed end plates, bracing rods connecting said end plates, supporting wheels mounted in the lower and outer ends of said end plates to rotate in fixed planes,

load carrying rollers mounted in said end plates, a central load carrying roller mounted in said end plates and lower than said first named rollers, all of said rollers forming a centrally depressed load carrying bed and being adapted to rotate in planes substantially at right angles to the planes of rotation of said supporting



wheels, the ends of said load carrying bed being freely open, whereby the load may project beyond each end of said bed and a truck tilting bracket associated with said frame projecting beyond one end thereof and lower than said central roller, and adapted to be depressed by said load to raise the opposite end of said cradle truck.

1,515,825. AUTOMATIC SPEED-CONTROL VALVE FOR TRAINS. DAVID J. BISSELL, Jr., Spokane, Wash., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash., a Corporation of Washington. Filed May 1, 1923. Serial No. 635,898. 8 Claims. (Cl. 303-21.)

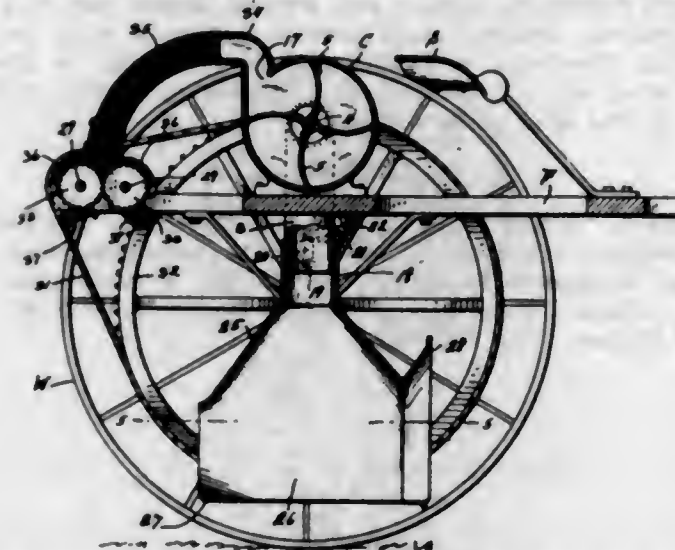


1. In automatic train control apparatus, the combination with the train pipe of an ordinary air brake system, of a valve connected with and at all times effective to vent the train pipe to cause an automatic application of the brakes in the event the train exceeds a predetermined high rate of speed, and also effective at predetermined times irrespective of the amount of pressure in said train pipe to vent the latter and cause an automatic application of the brakes in the event the train exceeds a predetermined low rate of speed.

1,515,826. INSECT-CATCHING AND COTTON-PICKING MACHINE. GEORGE BOHN, Fouke, Ark. Filed Aug. 1, 1923. Serial No. 655,082. 1 Claim. (Cl. 43-140.)

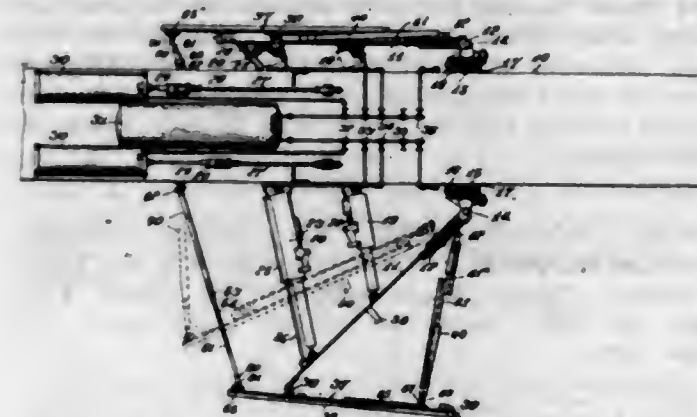
A device of the character described comprising a portable frame, a tubular member depending from said frame, suction means associated with said tubular member, a hood supported by the frame, the tubular member being in communication with the hood through the top and at substantially the center of the hood, the opposite

ends of the hood at the lower portions thereof being provided with openings, one of said openings constituting an entrance and the other an exit, the entrance opening



being of a width and height greater than the width and height of the exit opening, said openings being in the lower portion of the hood, the entrance opening being defined by an outwardly inclined flange.

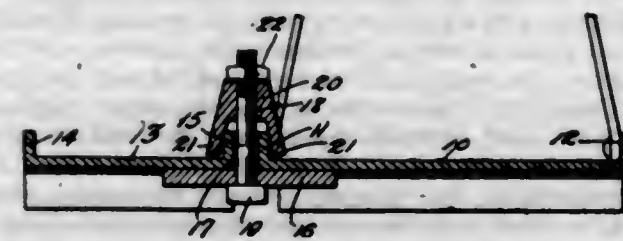
1,515,827. RAILROAD WAY CONSTRUCTION AND MAINTENANCE CAR. ROBERT E. BRESSLER, Aurora, Ill., assignor to Western Wheeler Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Dec. 22, 1920. Serial No. 432,481. 23 Claims. (Cl. 37-105.)



1. A car in combination with a side wing, a material carrying wing pivoted to the side wing and extending across the outer end thereof, and a brace extending between said wings.

22. A car in combination with a side wing pivotally connected therewith, means mounted on the car for swinging said wing into or out of operative position, a material carrying wing pivotally connected intermediately of the length thereof with the outer portion of said side wing, and braces connected with the car and with said material carrying wing at opposite sides of the pivot thereof.

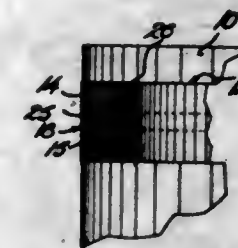
1,515,828. EXTENSION-RIM FASTENER. DENNIS R. BRIGLI, Naples, N. Y., assignor to Clyde M. Ford, Dearborn, Mich. Filed July 26, 1922. Serial No. 577,709. 7 Claims. (Cl. 301-39.)



1. The combination with a flanged rim of a tractor wheel and a flanged extension rim, of a plate disposed across the joint of the two rims, on the tread face thereof,

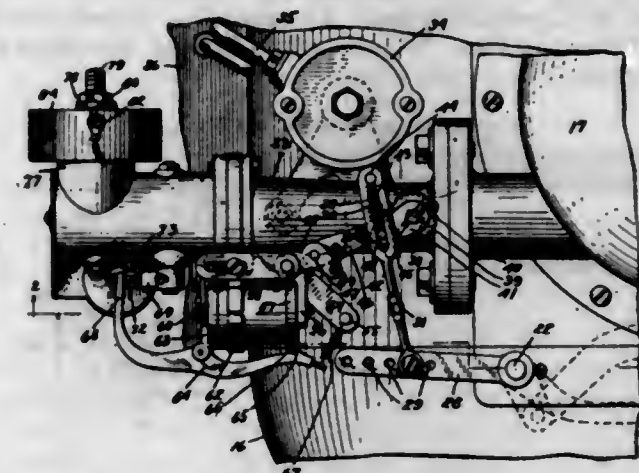
of, and having a rib disposed between the rims, a clamping bolt disposed through the plate and between the rims, and means carried by the bolt and straddling the joint of the rims, and in frictional engagement with the remote sides of the adjacent flanges of the rims.

1,515,829. PISTON AND RING THEREFOR. JOHN F. BROWNFIELD, Denver, Colo. Filed Feb. 28, 1922. Serial No. 539,975. 1 Claim. (Cl. 74-109.)



In combination, a piston having a groove, a piston ring movable in said groove, and an auxiliary ring rigidly seated within said groove and cooperating with the first mentioned groove, one of said rings having a groove and a tongue on the other ring to be received in the second mentioned groove.

1,515,830. CARBURETOR CONTROL. WALTER J. BURCHETT, East Orange, N. J., assignor, by mesne assignments, to Simplex Utilities Corporation, a Corporation of Delaware. Filed Jan. 14, 1921. Serial No. 437,166. 6 Claims. (Cl. 123-102.)

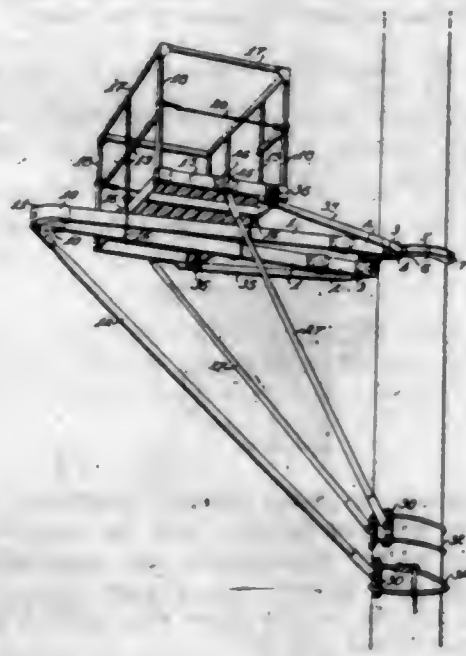


1. In a device of the character described the combination, with an engine having a revoluble shaft and a carburetor provided with an intake valve for supplying an explosive mixture to the engine, of a governor mounted upon said revoluble shaft, connections from said governor to said intake valve for enabling said governor to actuate said intake valve, mechanism independent of said governor for closing said intake valve, a magnet provided with a movable armature, said armature being connected with said mechanism independent of said governor, controller mechanism including a source of electricity for energizing and de-energizing said magnet, locking mechanism for holding said armature in a predetermined position while the apparatus is idle, and mechanism connected with said controller mechanism and with said locking mechanism, for enabling said controller mechanism to actuate said locking mechanism.

1,515,831. LINEMAN'S PLATFORM. HAZEL B. BUSH, Bedford, Ohio, assignor to The Bush Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 16, 1920. Serial No. 404,000. 10 Claims. (Cl. 304-28.)

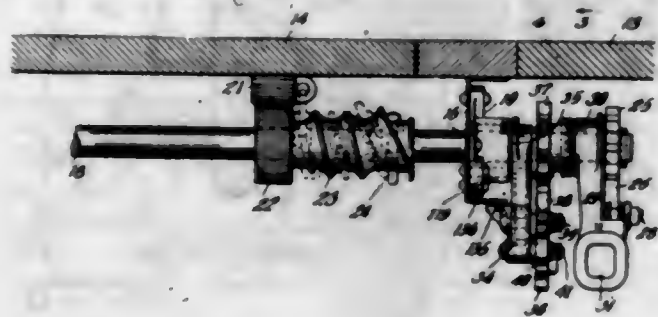
1. A portable structure of the character set forth comprising a frame, means for detachably connecting

the frame to a pole and for sustaining it in a substantially horizontal position, a staging supported by the frame, and sustaining means attached directly to the



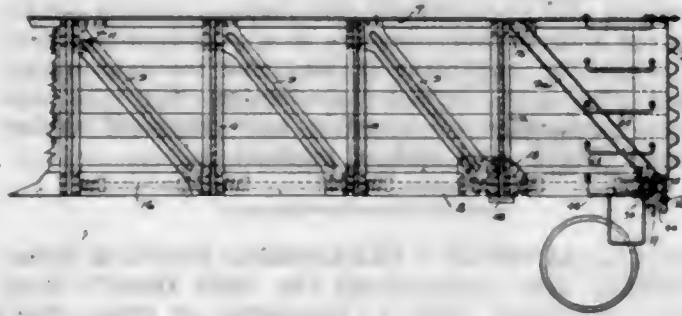
staging on opposite sides of the frame and adapted for connection to a part of the pole remote from where the aforesaid frame has connection with the pole.

1,515,832. DOOR-OPERATING MECHANISM. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 5, 1921. Serial No. 519,827. 12 Claims. (Cl. 105-301.)



1. In a dump car, a sill, a bodily movable and rotatable shaft behind said sill, and an operating lever mounted on said shaft and bodily movable therewith, said lever having a socket portion depending below said sill.

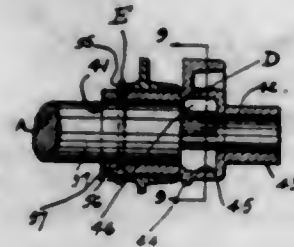
1,515,833. DUMP CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1922. Serial No. 599,632. 19 Claims. (Cl. 105-244.)



1. In a dump car the combination with an underframe, of a hinged dump door and a shaft mounted in said underframe, a brace for the said door having longitudinal

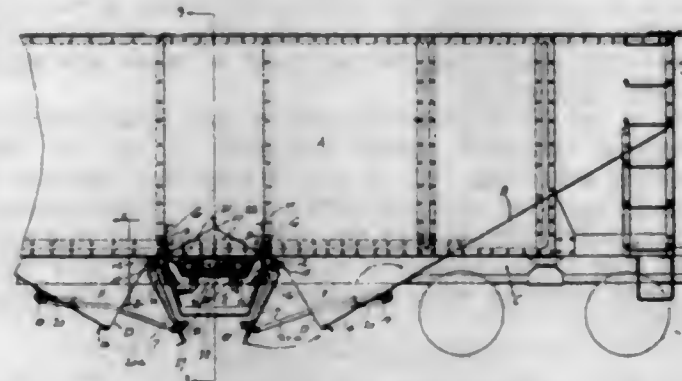
members extending from the hinges and a transverse member disposed near the free edge of the door and uniting said longitudinal members, a bracket near each end of said transverse member and secured thereto and to a longitudinal member; said bracket having a wing extending therefrom, a flexible element connected to the said wing and to the shaft and adapted to support the door in the open position.

1,515,834. DOOR-OPERATING MECHANISM. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1923. Serial No. 619,303. 19 Claims. (Cl. 105-299.)



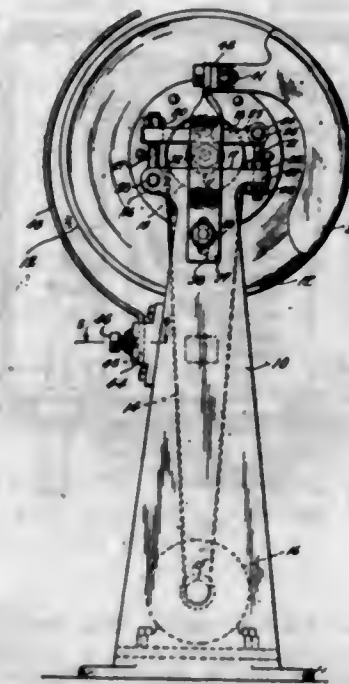
7. In a car door operating mechanism, the combination with an operating shaft having a clutch lug rigidly secured thereto; of a bearing secured to the car structure; and a clutch member rotatably mounted in the aforesaid bearing, said clutch member having a lug formed integrally therewith adapted to have engagement with the lug on the shaft and having also a squared end by which the said member may be rotated and through which the shaft extends.

1,515,835. HOPPER DUMP CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 25, 1923. Serial No. 641,325. 13 Claims. (Cl. 105-249.)



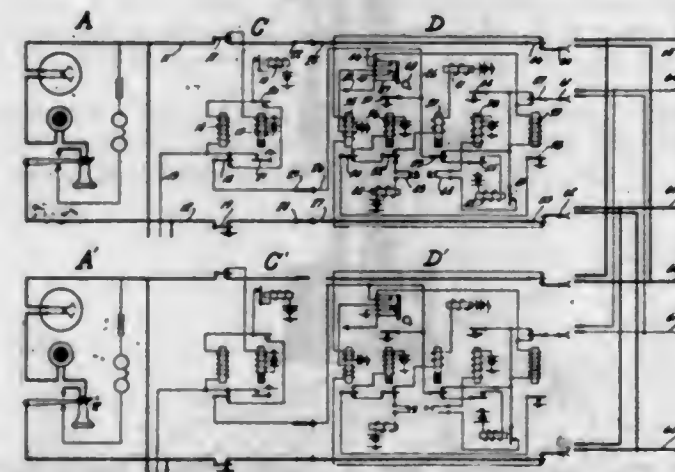
1. In a hopper car having four hoppers arranged in pairs transversely of the car and in pairs longitudinally of the car on each side of the center sill and arranged to discharge at the center of the car, each of said hoppers having combined therewith, a transversely disposed hinged door, said doors being adapted for full opening movement, the combination with additional hoppers located intermediate the discharge ends of said first named hoppers, each of said intermediate hoppers including a dump door arranged to swing about an axis extending transverse to the axes of the first mentioned hopper doors; of means for retaining the dump doors of said additional hoppers in closed position.

1,515,836. FLESHING MACHINE. MORRIS CANTER, South Norwalk, Conn. Filed Nov. 1, 1923. Serial No. 672,080. 10 Claims. (Cl. 149-15.)



1. In a fleshing machine, a support, a rotary fleshing knife carried by said support, an arcuate guard adjacent to the periphery of the knife, said knife being mounted so that it may be adjusted toward and from the guard in a direction transverse to its axis of rotation, and means for securing the knife in adjusted positions.

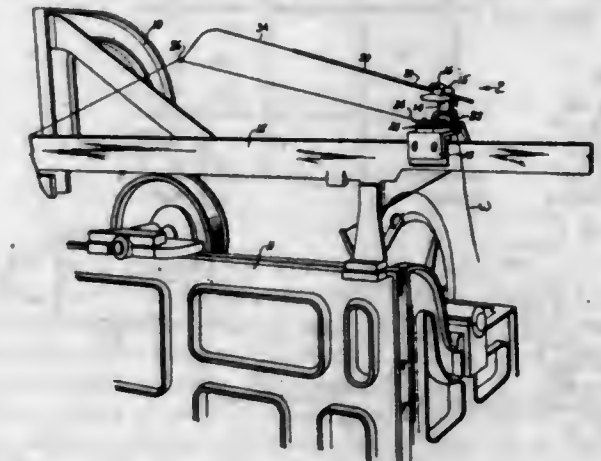
1,515,837. PRIVATE AUTOMATIC EXCHANGE. WILLIAM A. CHAPIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,974. 9 Claims. (Cl. 179-18.)



1. In a telephone system, a common signalling system, two groups of terminals connected therewith and telephonically connected together in pairs, one terminal of each pair being in one group and the other terminal in the other group, a call number assigned to one group and an answer number assigned to the other group, automatic switching mechanism controllable by a calling subscriber in accordance with the call number for seizing one terminal in the group to which the call number is assigned, means responsive to said seizure for making all the terminals busy except the terminal paired with the seized terminal, means controllable thereafter by the calling subscriber in accordance with a predetermined code for operating the said signalling system to signal the called subscriber, and automatic switching mechanism

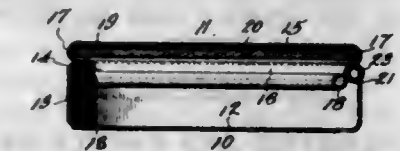
controlled by the called subscriber in accordance with the answering number for connecting with the calling subscriber by seizing and making busy the idle terminal.

1,515,838. WHIPSTICK FOR AXMINSTER LOOMS. EVERETT E. CLARK, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 1, 1924. Serial No. 696,348. 8 Claims. (Cl. 139-116.)



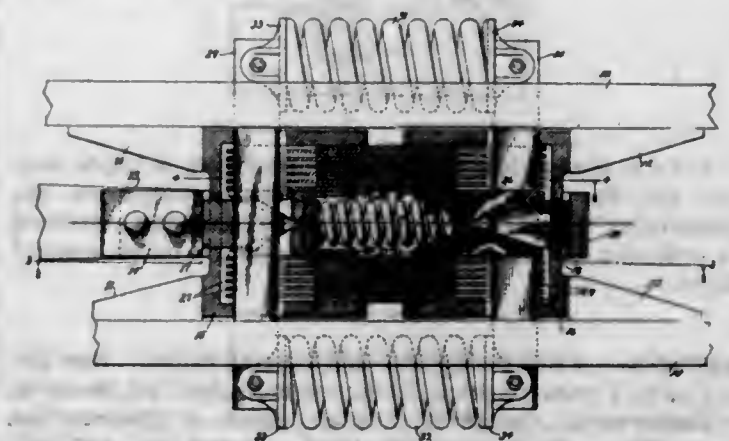
1. A whip stick for Axminster looms comprising a supporting member, a filling eye carrying member, and resilient releasable interlocking connections between said members.

1,515,839. VANITY CASE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Oct. 1, 1921. Serial No. 504,643. 9 Claims. (Cl. 132-83.)



1. A receptacle comprising a box body having a side wall provided with an inwardly turned upper rim defining a body bead, a cap or cover having a side wall provided with an inwardly turned lower rim defining a cover bead adapted to snap-fit within the body bead, and a mirror in said cover, the cover side wall being returned and crimped about the said mirror for directly engaging and confining the same in locked position in the cover and for providing a peripheral cover flange overlying the body bead when the cover is in closed position on the body.

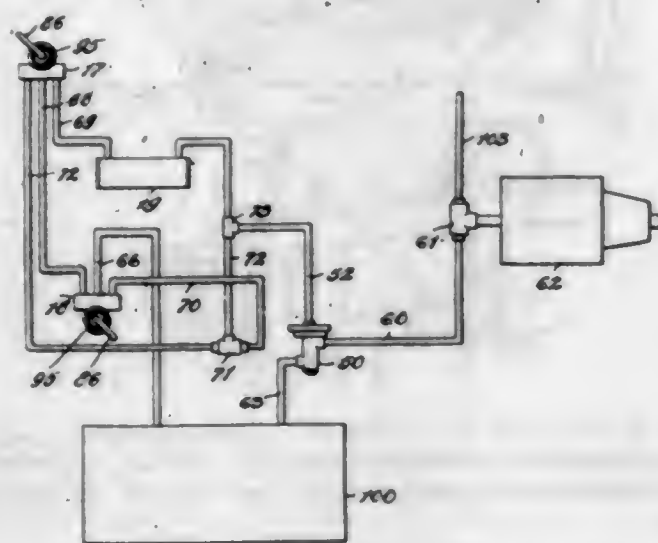
1,515,840. DRAFT GEAR. WALTER H. COTTON, Chicago, Ill., assignor to Union Draft Gear Co., a Corporation of Illinois. Filed Sept. 17, 1923. Serial No. 663,082. 6 Claims. (Cl. 213-33.)



1. In a draft gear, in combination, a pair of chamfered followers, wedging elements in each follower adapted to develop outward lateral pressure, groups of intercalating

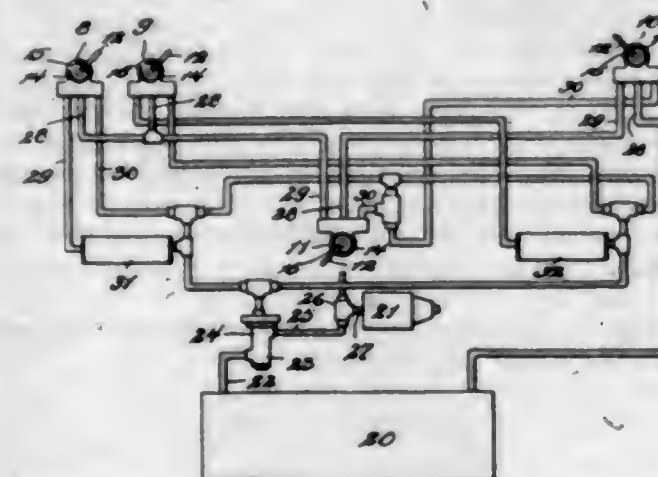
friction plates interposed between such wedging elements and friction surfaces associated with the side walls of the followers, bars extending transversely through the followers, and springs interposed between the outer end portions of the bars.

1,515,841. AIR-BRAKE AND SAFETY CAR-CONTROL MECHANISM. JOSEPH M. DAPRON, St. Louis, Mo. Filed May 26, 1923. Serial No. 641,790. 3 Claims. (Cl. 303-6.)



1. In a device of the class described, a brake-cylinder; a door-engine; means including a valve for simultaneously supplying pressure to the brake-cylinder to apply the brakes and actuating the door-engine to open a door; with means including mechanism actuating said valve for shutting off the pressure from the brake-cylinder by the operation of closing the door.

1,515,842. AIR-BRAKE AND SAFETY CAR-CONTROL APPARATUS. JOSEPH M. DAPRON, St. Louis, Mo. Filed Feb. 21, 1924. Serial No. 694,243. 4 Claims. (Cl. 303-6.)

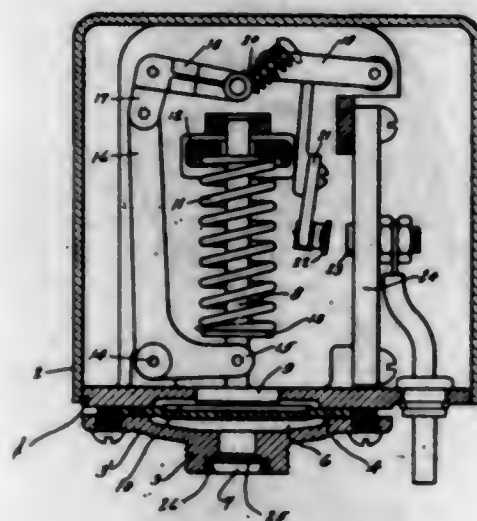


1. In a mechanism of the class described, a triple control for an air-actuated door engine mounted on car comprising two inner control valve mechanisms stationed at different points within the car, and an outer control valve.

1,515,843. FLUID-CONTROLLING DEVICE. EDWARD J. DE VILLE, Dayton, Ohio, assignor to The Monarch Engineering Company, Dayton, Ohio, a Corporation of Ohio. Filed Aug. 31, 1920. Serial No. 407,225. 1 Claim. (Cl. 137-139.)

In a device of the character described, the combination with a fluid chamber, a diaphragm in said chamber; actu-

ating devices connected to said diaphragm, an inlet to said chamber whereby the fluid will operate said diaphragm and actuating devices, a valve controlling said



inlet consisting of an insertable disk having a plurality of imperforated spring tongues free to be vibrated by the abnormal pressure of the fluid.

1,515,844. GASOLINE FILLING NOZZLE. LEWIS R. DORRIS, Nashville, Tenn. Filed Aug. 6, 1923. Serial No. 655,912. 10 Claims. (Cl. 226-129.)

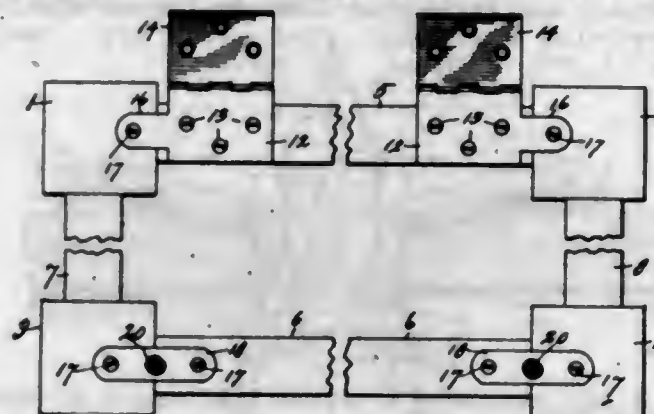


9. The combination with a gasoline filling nozzle having an outlet end adapted to be inserted into the inlet opening of a gasoline tank, of a gripping device adjacent to the outlet end of said nozzle, and an actuator for actuating the gripping device in a direction to cause the gripping device and the nozzle both to engage the wall of the inlet opening in which they are inserted.

1,515,845. PIANO BENCH AND HARDWARE. JOHN L. DULIN, Noblesville, Ind. Filed May 27, 1922. Serial No. 564,230. 2 Claims. (Cl. 155-196.)

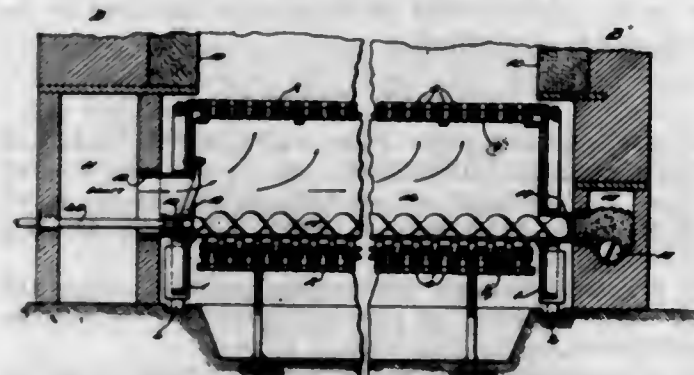
1. A piano-bench body having vertical corner legs and connecting frame members jointed thereto, and a lid, in combination with hinges attached to one of the connecting frame members and to the lid and having extensions crossing the joint and attached to the adjacent leg.

plates crossing each joint between the opposite frame member and its adjacent legs, each plate being attached



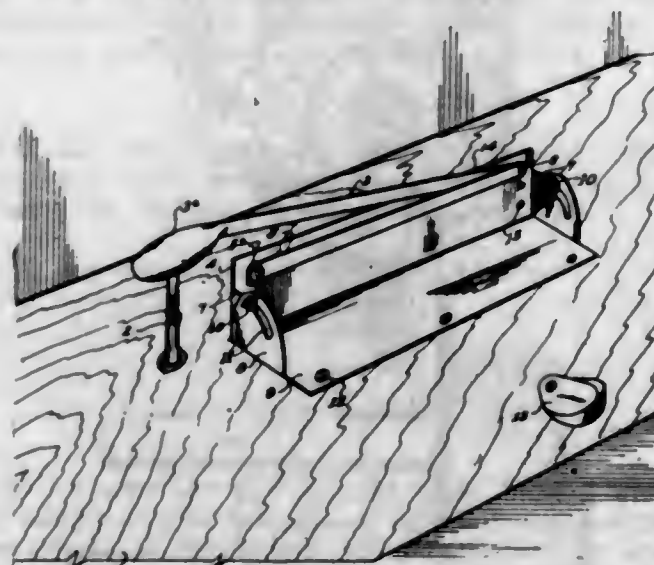
to the frame member and to a leg and having a dowel opening, and dowels attached to the lid and seated in said dowel openings in the closed position of the lid.

1,515,846. FURNACE. WILLIAM M. DUNCAN, Alton, Ill. Filed Feb. 10, 1921. Serial No. 444,018. 5 Claims. (Cl. 110-40.)



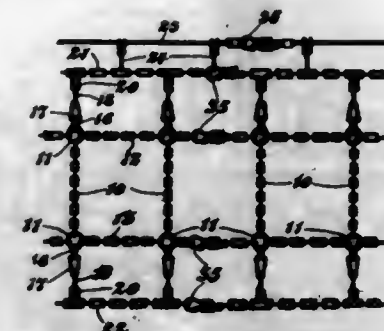
1. A furnace provided with an endless traveling grate, a draft box surrounded by said grate, said draft box being open at the top for the discharge of draft through the fuel-supporting portion of the grate, said draft box also having an ash-outlet at one of its ends, and a conveyor whereby ashes are transmitted along the bottom of said draft box and pushed into said ash outlet, so as to form a seal in said outlet, said conveyor comprising a rotary screw arranged longitudinally of said draft box at the bottom thereof and terminating in said ash outlet.

1,515,847. ACCELERATOR-PEDAL CONTROL. JOHN W. DUTTON, Jacksonville, Fla. Filed Feb. 27, 1922. Serial No. 539,590. 10 Claims. (Cl. 74-81.)



1. In a foot control device for operating an accelerator pedal, a pivoted actuator having its free end adapted to overhang the accelerator pedal and, when depressed, to actuate the pedal, and a foot rest disposed alongside and at an angle to said actuator which rises above its upper edge.

1,515,848. SKID-PREVENTING MEANS FOR VEHICLE TIRES. GEORGE F. ECKART, Cincinnati, Ohio, assignor of seventy per cent to David B. Strickling, Cincinnati, Ohio. Filed Sept. 29, 1921. Serial No. 504,018. 4 Claims. (Cl. 152-14.)



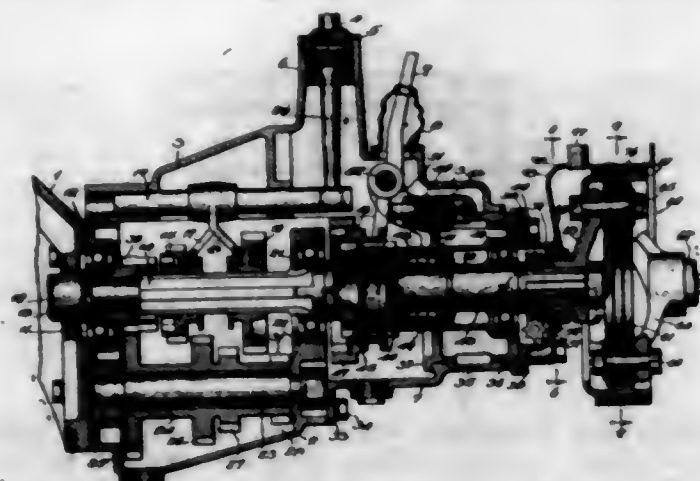
1. In skid preventing means for vehicle tires, a pair of articulate normally endless members disposed on respectively opposite sides of said tire and of less diameter than the tread portion thereof, a second pair of articulate normally endless members disposed on respectively opposite sides of said tire and of less diameter than said first named endless members, articulate cross members disposed cross wise of said tire and having their ends secured respectively to each of said first named endless members, rings spaced apart and secured to said first named endless members in alignment with said cross members in alignment with said cross members and having hooks thereon, connectors each having a tapering opening therein in the larger end of which said hooks are respectively received, a hook member received in the smallest end of each tapering opening and having connection with said second named endless members, attaching members on one of said second named endless members, a tension member, and means for contracting said tension member whereby the diameter thereof is adapted to be decreased to impart tension to said articulate members, and disjoining means for each of said endless members, substantially as set forth and for the purposes specified.

1,515,849. CASTING LURE. LOUIS J. EPPINGER, Detroit, Mich. Filed Feb. 17, 1923. Serial No. 619,609. 3 Claims. (Cl. 43-28.)



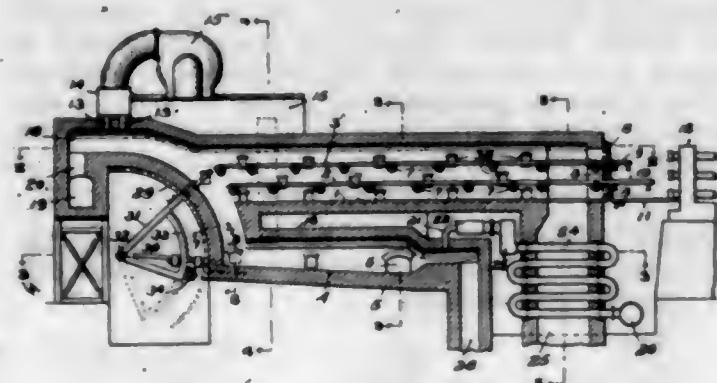
3. In a device of the class described, a member having an open eye with a leg and a catch, a hook having an eye threaded over the catch, and leg into said member eye, and a tubular guard slidable on said member and over said leg, said guard serving as a keeper for said catch, and being locked by said catch against inadvertent displacement from said leg.

1,515,850. TRANSMISSION. THOMAS L. FAWICK, Racine, Wis. Filed May 14, 1924. Serial No. 713,237. 21 Claims. (Cl. 74—58.)



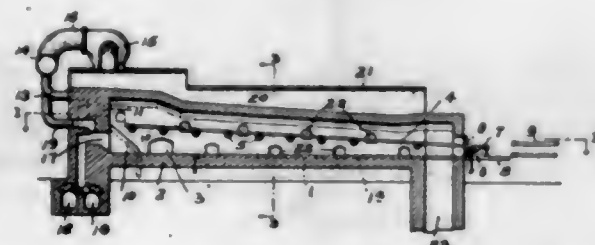
1. In a change-speed transmission employing a driven shaft section movable into a position parallel with its first position, a movable carriage for said shaft section, a frame mounting said carriage, a brake drum secured to said shaft section, a brake for said drum and means rigid with said frame for taking up the torque reaction of the brake.

1,515,851. CONTINUOUS-HEATING FURNACE. JOHN F. FERM, Pittsburgh, Pa. Filed May 2, 1923. Serial No. 636,055. 44 Claims. (Cl. 263—6.)



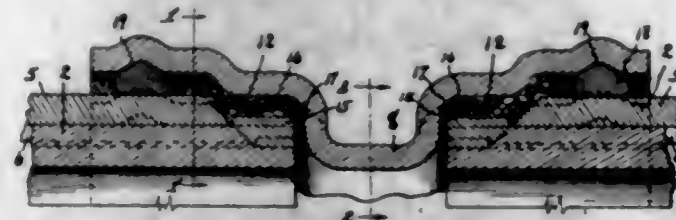
1. A continuous heating furnace having a plurality of super-imposed hearths, a charging opening for each hearth and a common discharge opening.

1,515,852. CONTINUOUS-HEATING FURNACE. JOHN F. FERM, Pittsburgh, Pa. Filed May 2, 1923. Serial No. 636,056. 27 Claims. (Cl. 263—6.)



1. A continuous heating furnace having a plurality of hearths, a charging opening for each hearth, discharge openings for each hearth, independent combustion ports for each hearth and a common flue for the products of combustion.

1,515,853. PIPE. JOHN W. FLOWER, Detroit, Mich., assignor, by mesne assignments, to Michigan Valve Foundry and Engineering Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 12, 1921. Serial No. 514,770. 2 Claims. (Cl. 137—75.)



1. A pipe comprising a tubular body formed by bending a strip of metal to cylindrical form, said strip having flanges along each edge which flanges when brought together form a longitudinal rib on the pipe, and a clamping bar extending along said rib on the pipe and having in-turned flanges engaging the outer edges of the rib on the pipe, the ends of the clamping bar and of the longitudinal rib being cut away at the end of the pipe, and a metal ring secured on the end of the pipe to hold packing when the pipe is inserted within a coupling.

1,515,854. COMPOUND FOR RETAINING HAIR IN ITS DRESSED CONDITION. WILLIAM C. FOTH, Chicago, Ill., assignor of one-half to Edwin C. Price, Chicago, Ill. Filed Sept. 15, 1922. Serial No. 588,495. 3 Claims. (Cl. 167—5.)

1. A composition for the purpose specified, consisting of a water solution of phenegol, paralycol, sarcocolla, egg albumen, casein, and sodium silicate.

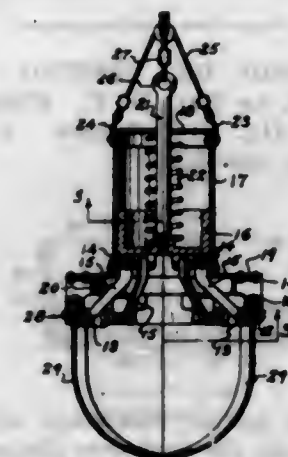
3. A composition for the purpose specified consisting of a water solution of phenegol, paralycol, sarcocolla, and egg albumen, heated to 120° F. and mixed with a water solution of casein and sodium silicate heated to 112° F.

1,515,855. HAND BRAKE. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 8, 1922. Serial No. 559,165. 6 Claims. (Cl. 74—114.)



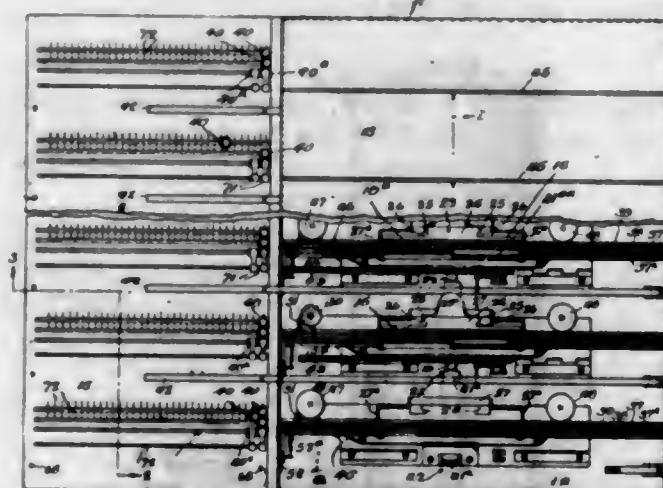
1. In a hand brake for cars and the like, the combination with a rotatable member and a ratchet wheel rotatable in unison therewith; of a carrier oscillatable relatively to said wheel; a pawl pivotally mounted on said carrier adapted to cooperate with said ratchet wheel; an operating handle pivoted to said carrier at a different point and having a portion thereof recessed to straddle said pawl and cooperate with the latter to move it to operative position; and locking means for preventing rotation of said member in an unwinding direction.

1,515,856. GRAB BUCKET. EDWARD P. HEALEY, New York, N. Y. Filed Dec. 19, 1923. Serial No. 681,498. 5 Claims. (Cl. 37—182.)



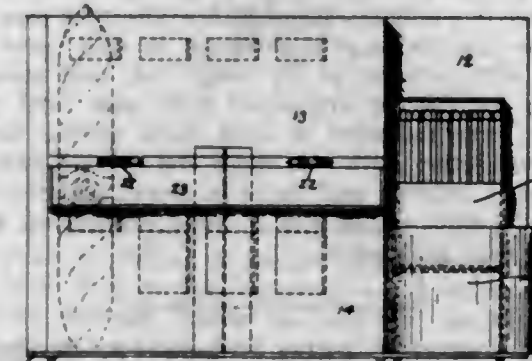
1. A grab bucket having interchangeable blades and means for operating them and means as a slotted block and a bolt passing therethrough for temporarily retaining said blades.

1,515,857. PRODUCTION RECORDER. MORRIS J. HOFFMAN, Chicago, Ill. Filed Jan. 13, 1923. Serial No. 612,465. 17 Claims. (Cl. 101—96.)



1. A production recorder, comprising a supporting base, and a plurality of individual printing units removably supported thereby, each unit comprising a type carrier, and a multiplicity of type carried thereby, and each unit being removable as a whole, type setting mechanism and an impression making element, cooperating with the set type to print a record.

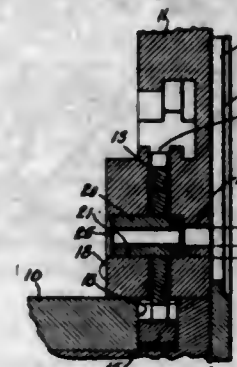
1,515,858. SMOKER'S CABINET. FRANK J. HOLLIS and ROR BOYD, Cleveland, Ohio. Filed Aug. 31, 1923. Serial No. 660,265. 5 Claims. (Cl. 206—30.)



1. A smoker's cabinet adapted to be attached to the interior of an automobile comprising a front wall somewhat lower than the length of a cigarette, an intermediate wall somewhat lower than the length of a cigar,

a rear wall, ends connecting said walls to form a cigarette chamber between said front wall and said intermediate wall and a cigar chamber between said intermediate wall and said rear wall, and transverse partitions dividing each of said chambers into a plurality of compartments.

1,515,859. SHUTTLE BLOCK FOR NARROW-WARE LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 25, 1922. Serial No. 603,353. 4 Claims. (Cl. 139—136.)



1. In a narrow ware loom, in combination, a shuttle block having a relatively narrow recess within the body thereof, a rotatable member mounted in said recess, a bushing for said member, and holding means for said bushing, said block having a transverse outer opening for said bushing extending inwardly from the front of the block across said recess, and said holding means having a head of less diameter than said outer opening and received therein.

1,515,860. ELECTRICAL CONNECTER. ALONZO HOWARD, Chicago, Ill., assignor of one-half to Charles J. Schmidt, Evanston, Ill. Filed Mar. 26, 1923. Serial No. 627,535. 7 Claims. (Cl. 173—269.)

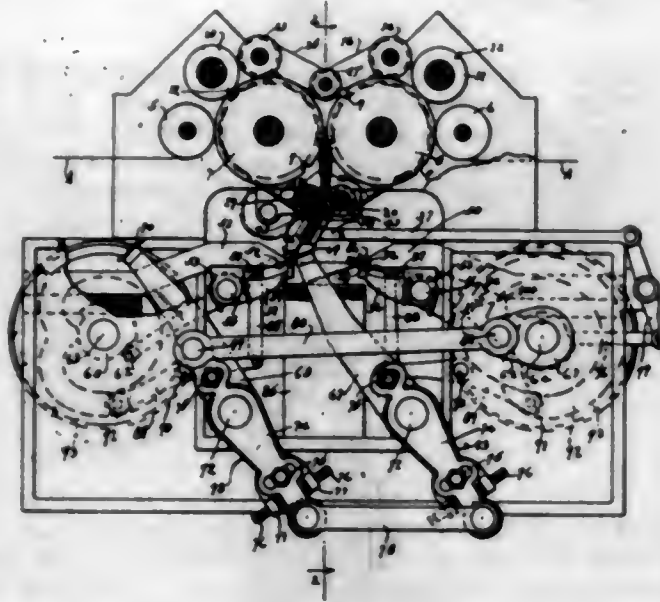


1. The combination with an electrical conductor, of a sleeve of insulating material slidable thereon, and a clamping element, said clamping element being of V-shape and formed from a piece of spring wire and having a number of turns at its bend, the end of the conductor wire being received and clamped between said turns to be thereby electrically connected with the clamping element, the ends of the limbs of said clamping element being shaped to receive another conductor with which connection is to be made, said clamping element being expanded when said sleeve is shifted away from its limbs, and being closed when said sleeve is shifted along said limbs, said element when closed causing its ends to securely clamp said other conductors between them.

1,515,861. INTERFOLDING MACHINE. DAVID WILLIAM HUDSON, Green Bay, Wis. Filed July 10, 1922. Serial No. 573,802. 18 Claims. (Cl. 270—39.)

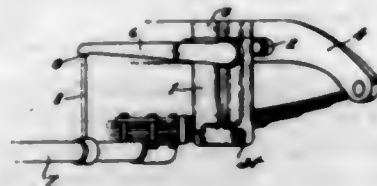
1. The combination with sets of opposed clamping jaws and means for supplying material to be creased therein, of an oscillatory guiding device provided with opposed

confining surfaces restrained against unidirectional movement along the path of travel of said material, and arranged to receive and guide the material between them.



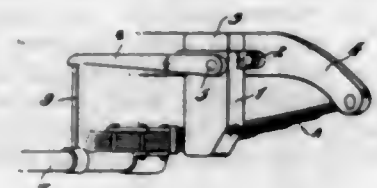
and means for oscillating the discharge end of said device, whereby said material is fed alternately in the direction of said clamping jaws.

1,515,862. SHOCK ABSORBER. JAMES B. KIRBY, Cleveland, Ohio. Filed Mar. 29, 1920. Serial No. 309,646. 8 Claims. (Cl. 188—88.)



1. In a device of the character described, in combination, a fluid-containing casing having a well and a cylinder therein, there being two passageways between said cylinder and well, a piston in said cylinder, a valve in one of said passageways adapted to permit free movement of fluid from said well to said cylinder, and a valve in the other passageway adapted to permit a restricted movement of fluid from said cylinder to said well, said last valve being normally open and arranged to close in the direction of fluid movement.

1,515,863. SHOCK ABSORBER. JAMES B. KIRBY, Cleveland, Ohio. Filed Apr. 7, 1920. Serial No. 371,789. 5 Claims. (Cl. 188—88.)



1. In a device of the character described, in combination, a fluid-containing casing adapted to be attached to one part of an automobile and having therein a well and a cylinder, a plunger in said cylinder and operatively connected to a relatively movable part of the automobile, means establishing communication between said cylinder

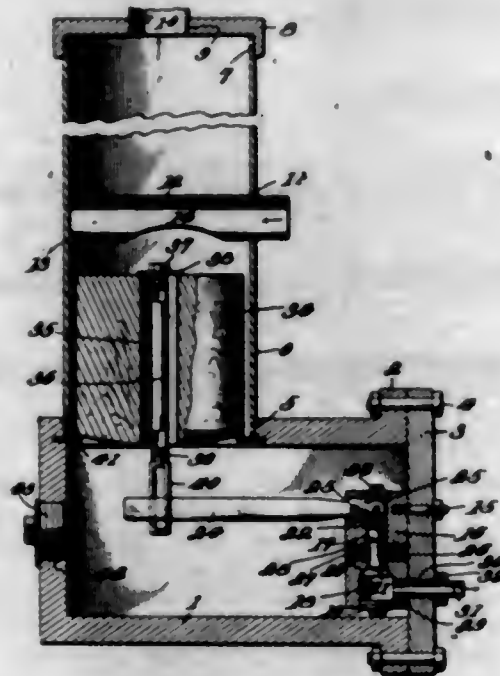
and well, and means for restricting the flow of fluid through such communicating means by an amount which varies directly with the acceleration of vertical movement of said body.

1,515,864. METHOD OF TESTING INSULATORS. GROVER W. LAPP, Le Roy, N. Y. Filed July 7, 1922. Serial No. 573,411. 14 Claims. (Cl. 175—183.) (Dedicated to the public.)



10. A method of testing insulators which consists in temporarily extending the flash-over distance between the service terminals by supplementing the insulating surface of the insulator by an insulating member electrically sealed to the insulator and then subjecting the insulator to a potential in excess of the free flash-over voltage of the insulator while maintaining at least one of the terminals of the insulator in contact with air.

1,515,865. SEPARATOR. HERMAN W. LONG, Edna, Kans. Filed Dec. 19, 1921. Serial No. 523,399. 1 Claim. (Cl. 137—103.)

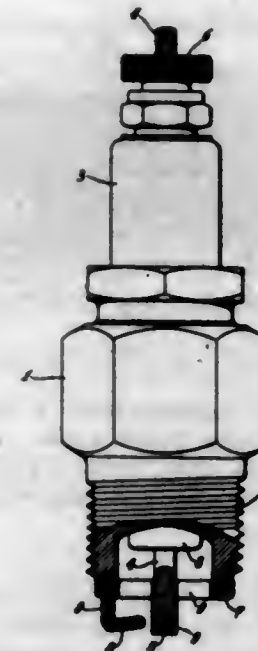


A separator for the purpose described comprising a casing having a removable cover plate at one end thereof, provided with an outlet pipe, a valve casing carried by said cover plate within said casing provided with a horizontally disposed inlet port and a horizontally disposed outlet port in communication with said outlet pipe, a vertically movable valve stem mounted in said valve casing provided with a valve at its lower end, said stem being annularly reduced in alignment with said inlet port, a weighted lever mounted in said valve casing having a pivotal connection with the upper end of said valve stem for normally holding said valve in closed position, a float mounted in said casing and a loose connection between said float and said lever.

1,515,866. SPARK PLUG. LOUIS F. MARTEN, St. Charles, Mo.; Lena J. Marten executrix of said Louis F. Marten, deceased. Filed June 24, 1922. Serial No. 570,659. 4 Claims. (Cl. 123—169.)

1. A spark plug, comprising, a central electrode, a shell having an electrode between which and said central

electrode sparking takes place, a non-oxidizing adhering plating of high conductivity covering the sparking surfaces of said central electrode, and a continuous non-



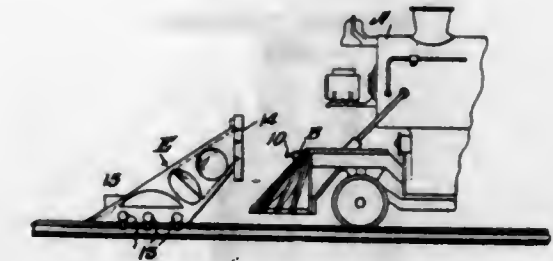
oxidizing adhering plating of high conductivity covering the sparking surface of said shell electrode and the end of said shell.

1,515,867. SURFACE GAUGE. JOHN MASONE, New York, N. Y. Filed Feb. 28, 1923. Serial No. 621,752. 11 Claims. (Cl. 33—171.)



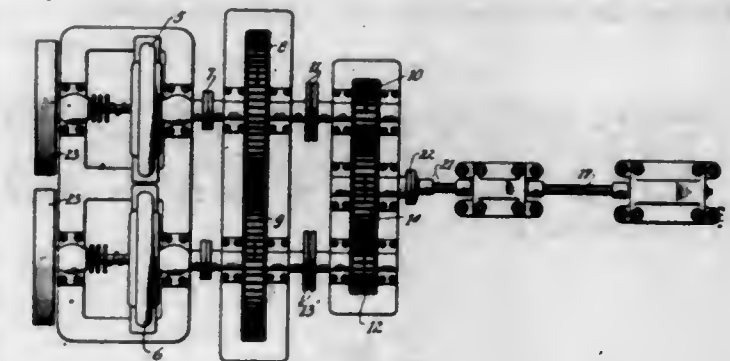
1. In a surface gauge, the combination with a pedestal and a base, of means to secure the pedestal adjustably to the base, said means including a pin having a transverse hole through which the pedestal projects loosely and a bore at an angle with said hole and communicating therewith, a dog slidable within said bore and adapted to bear moderately upon said pedestal, means fitted within said bore adapted to cause the dog to bear upon the pedestal, and means co-operating with said fitted means to clamp rigidly the pedestal and pin together.

1,515,868. TRAIN STOP. GEORGE H. METZLER, White Plains, N. Y. Filed Mar. 3, 1924. Serial No. 696,672. 1 Claim. (Cl. 246—199.)



A train stop comprising a tube attached to a plate, mounted on train line of the locomotive, angularly disposed skeleton frame side clamping members and bolts securing the skeleton frame to the rail in advance of the locomotive, a serrated bar on front of skeleton frame designed to break said tube and release the air, and signaling means attached to skeleton frame.

1,515,869. REVERSING MECHANISM. FREDERICK H. MOYER, Midland, Pa. Filed Mar. 27, 1922. Serial No. 547,161. 5 Claims. (Cl. 74—59.)



1. Two continuously rotating driving elements, a driven element, and means for reversing the direction of rotation of said driven element; said means comprising two rotatable members, means operatively connecting said members respectively to said driving elements for rotating said members in opposite directions, and means adapted to alternately and operatively connect said members to said driven element.

1,515,870. METAL-POLISH COMPOUND. ESTHER E. NELSON, Chicago, Ill. Filed Oct. 6, 1920. Serial No. 415,056. 1 Claim. (Cl. 148—22.)

The herein described composition of matter for polishing copper, silver and other metals, consisting of sodium carbonate, two ounces; aqua ammonia, one ounce; benzene, one ounce; water, one and one-half pints; whiting, one pound; and oxalic acid, one and one-half ounces, substantially as described.

1,515,871. CABLE-RETAINING MEANS. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splittorf Electrical Company, Newark, N. J. Filed Feb. 11, 1921. Serial No. 444,170. 5 Claims. (Cl. 173—269.)

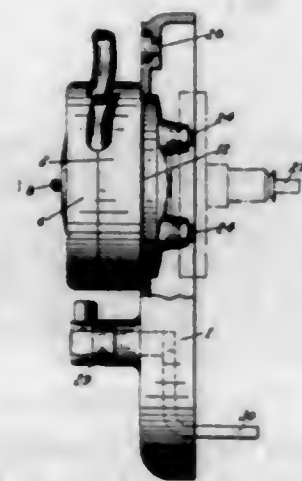
2. In combination; a connecting block of insulating material having a bore, a cable having an annular flanged member attached thereto and extending within the bore

of the block, and a member positioned in the side wall of the block and extending transversely into the bore and having a non-circular portion, whereof at least



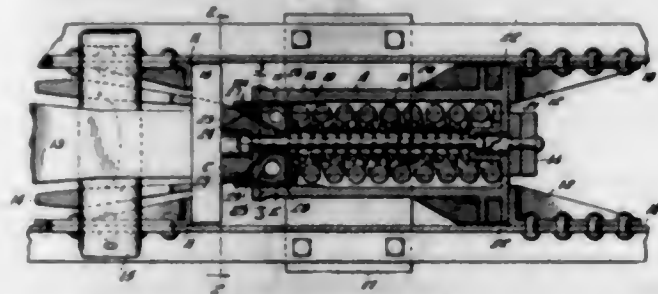
two edges are in contact with the cable side of said annular flange, and a spring in the end of the bore for holding the flange against said transverse member.

1,515,872. COMBINED COLLECTOR AND TERMINAL BLOCK. EDWARD B. NOWOSIŁSKI, Bloomfield, N. J., assignor to Splittorf Electrical Company, Newark, N. J. Filed Mar. 8, 1921. Serial No. 450,707. 6 Claims. (Cl. 200-19.)



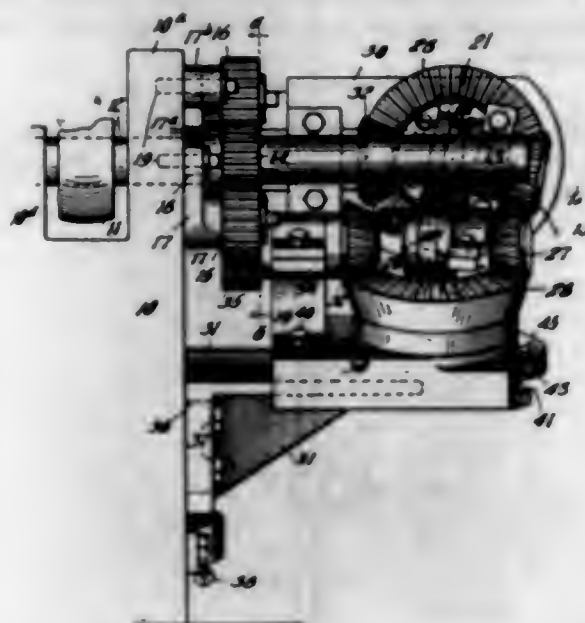
1. In a distributor block for an ignition generator, a base block having a part extending within a supporting plate of said generator, said extending part having collector brushes mounted thereon, the part of said base block exterior to the supporting plate having an outer substantially flat face with a plurality of individual cable channels extending part way across said face, terminal elements positioned near the inner end of said channels and in electrical contact with said brushes, a cover serving to hold said cables in contact with said terminal elements and a clamp fastened to the generator supporting plate and extending across the face of said cover.

1,515,873. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 18, 1920, Serial No. 431,738. Renewed May 16, 1924. 4 Claims. (Cl. 213-32.)



2. As an article of manufacture, a friction shoe for friction shock absorbing mechanisms, said shoe comprising a central main core having a plurality of flat sides, and a strip of wear-resisting material wrapped around several sides of said core.

1,515,874. COILING MACHINE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Feb. 23, 1921. Serial No. 447,149. 15 Claims. (Cl. 153-65.)

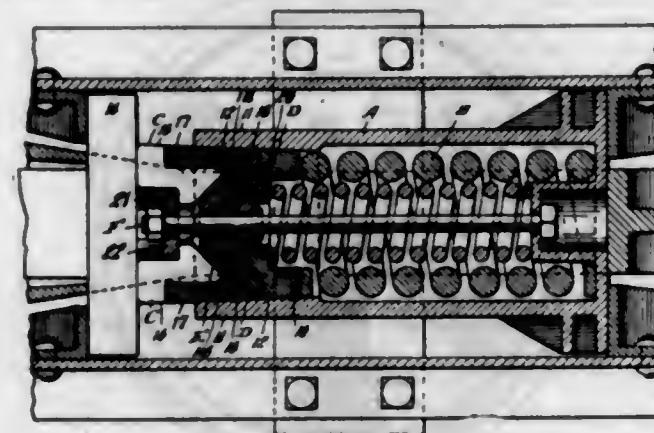


1. In a coiling machine having a suitable frame, the combination with a mandrel; of a plurality of bending rollers disposed circumferentially around the mandrel; and independent means for adjusting each roller longitudinally of the axis of said mandrel, said means comprising a support and a roller carrying slide movably mounted upon the support.

1,515,875. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 10, 1921. Serial No. 521,299. 5 Claims. (Cl. 213-32.)

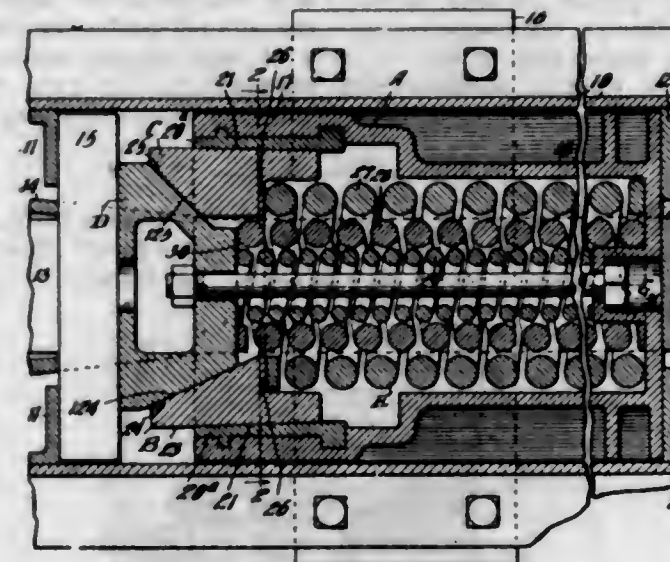
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a spring resistance; an outer series of pressure-transmitting friction shoes having inwardly diverging wedge faces; an inner series of friction shoes having outwardly diverging wedge faces, the wedge faces of all of said shoes being so disposed that they are intersected by a single transverse plane when the parts

are in fully released position; and a wedge having both inwardly diverging and outwardly diverging wedge faces having their inner and outer ends, respectively, inter-



secting in a common plane interposed between and co-operable with said outer and inner series of friction shoes.

1,515,876. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 16, 1922, Serial No. 588,571. Renewed June 7, 1924. 7 Claims. (Cl. 213-32.)

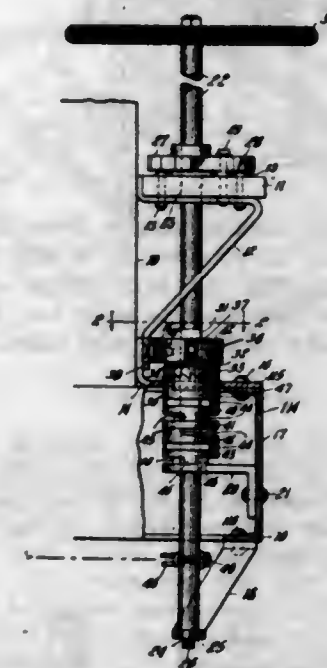


1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of friction shoes cooperable with said shell; spreader means cooperable with said shoes, said shoes and spreader means having a plurality of cooperating sets of faces, a pair of which are arranged at a relatively keen wedge-acting angle and others at a relatively blunt non-wedge-acting angle during the compression action, said faces acting in an opposite manner during release; a spring resistance yieldingly resisting relative movement between the friction shoes and the shell; and independent spring means directly yieldingly resisting relative movement between said spreader means and the shell.

1,515,877. HAND BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 14, 1922. Serial No. 606,927. 10 Claims. (Cl. 74-111.)

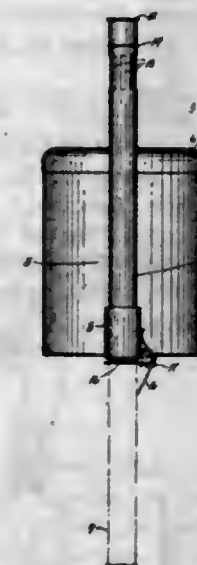
1. In a hand brake; the combination with a rotary brake staff; adapted to have a brake chain wound there-

on; of means for limiting the revolutions thereof in one direction to substantially a predetermined number; and



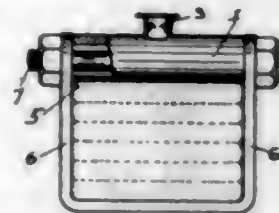
means automatically operative to disconnect said staff and first named means when the staff is rotated in the reverse direction.

1,515,878. SLIDE-SPOUT PORTABLE OIL MEASURE. HENRY G. OUMET, Waterbury, Conn. Filed Mar. 5, 1923. Serial No. 622,796. 2 Claims. (Cl. 221-27.)



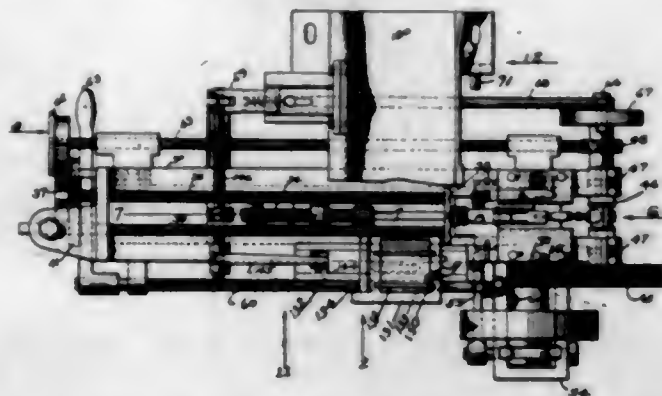
1. In an oil measure, the combination with a container formed with a discharge opening at one side near the bottom, a housing secured to the container around said discharge opening, stuffing-boxes at the upper and lower ends of said housing, a tubular spout vertically-movable through said housing and formed near its upper end with openings adapted to register with the discharge opening of the container, and means for limiting the downward movement of the spout.

1,515,879. OILING DEVICE FOR SPRING-LEAF SHACKLES. WILLIAM L. PADEN, Saginaw, Mich. Filed Aug. 25, 1923. Serial No. 659,346. 2 Claims. (Cl. 184-1.)



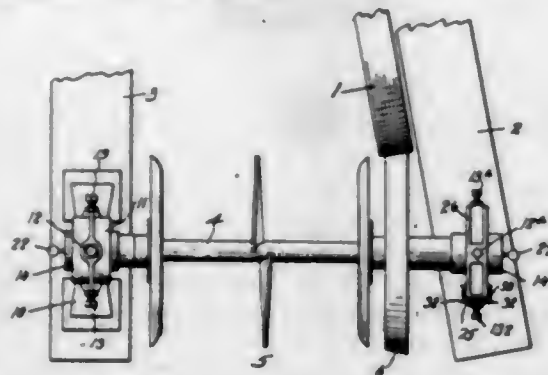
2. An open-ended tubular spacer free from capillary material adapted to be clamped by a clip bolt between the arms of a leaf-spring clip, said tubular spacer formed with capillary openings near its ends and having an oil inlet and an air-tight closure for said inlet.

1,515,880. BOBBIN STRIPPER. GEORGE J. PFEIFFER, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 14, 1922. Serial No. 536,536. 13 Claims. (Cl. 28-20.)



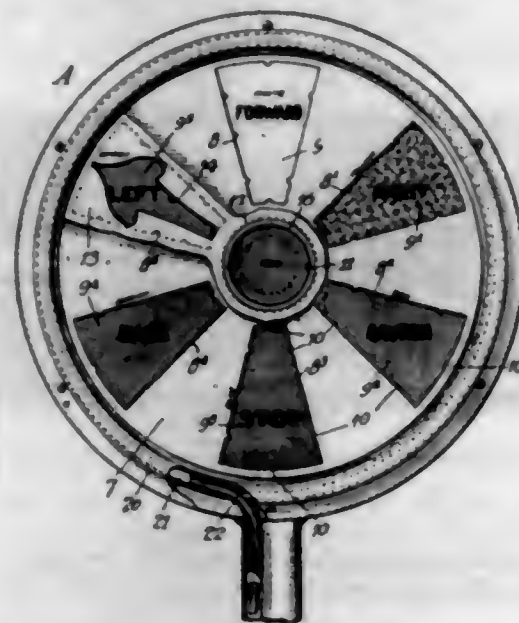
1. A bobbin stripping machine having, in combination, bobbin stripping devices, means to partially remove said bobbin longitudinally from between said devices, additional means to positively complete such movement, and means to yieldingly support the bobbin during the latter operation and to permit discharge of a misplaced bobbin.

1,515,881. SAND-REEL APPLIANCE. MERL R. PONTIUS, Eldorado, Kans., assignor, by direct and mesne assignments, to Shaffer Specialty Company, Tulsa, Okla., a Partnership consisting of Ernest J. Shaffer, Elias W. Shaffer, George W. Shaffer, and John E. Shaffer. Filed Dec. 17, 1920. Serial No. 431,409. 6 Claims. (Cl. 64-52.)



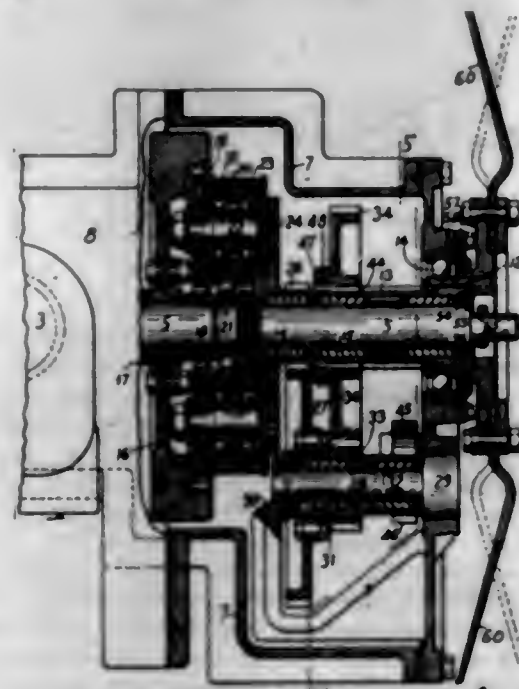
1. A sand-reel shaft support comprising a fixed member, a pivoted member, a bearing associated with each member and wherein one end of the shaft is journaled, vertically aligned supporting means on each member between which the corresponding bearing is sustained, transversely aligned thrust means on each member and between which the corresponding bearing reposes, and means for oscillating the pivoted member.

1,515,882. TRAFFIC INDICATOR. FRED A. PURDY, New York, N. Y. Filed Sept. 7, 1920. Serial No. 408,523. 9 Claims. (Cl. 116-46.)



1. In signalling apparatus, the combination of a lamp comprising an open sided casing, a fixed plate forming a frame secured in the open side of said casing provided with a plurality of openings, plates permeable to light and of different colors secured in the openings in said fixed plate, an opaque plate provided with an opening, rotatably mounted adjacent to said fixed plate, and means for rotating said plate, the relation being such that rotation of said opaque plate will bring the opening therein into register with the colored plates in the fixed plate, the display of each of said colored plates, by its relative position with reference to the axis of said rotatable plate, under an accepted convention, conveying a message.

1,515,883. TRACTOR. CARL F. BAUER, Dayton, Ohio, assignor to Harold S. Shelton, Dayton, Ohio. Filed May 9, 1921. Serial No. 467,897. 16 Claims. (Cl. 180-19.)



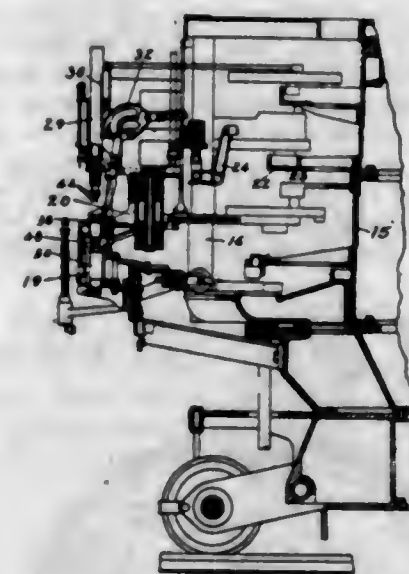
2. In a tractor, a frame, a traction wheel journaled on each side of said frame and having a hollow head, an engine mounted on said frame, a crank shaft for said engine rotatable relatively to said wheels about an axis coincident with the axes thereof, separate planetary transmission mechanisms interposed between said shaft and the respective hubs, and means to separately control said transmission mechanisms.

1,515,884. METHOD OF SECURING ELECTRODES IN SPARK-PLUG CORES. OTTO CARL RÖHDE, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a Corporation of Delaware. Filed May 14, 1923. Serial No. 638,731. 7 Claims. (Cl. 219-10.)



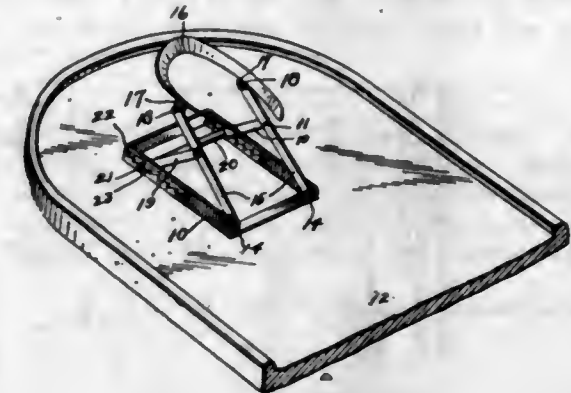
1. The method of securing the center electrode in the core of a spark plug, which consists in shouldering the electrode against a portion of the core to limit the inward movement of the electrode in the core, providing the electrode with a high electrical resistance portion adjacent to the inner end of the core, passing a heating current through the electrode to effect a localized heating thereof at the high resistance portion, and then subjecting the electrode to a longitudinal compressing force to upset the heated portion within the core.

1,515,885. MANUFACTURE OF GLASS CONTAINERS. JOHN F. RULE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 14, 1922. Serial No. 581,673. 22 Claims. (Cl. 49-5.)



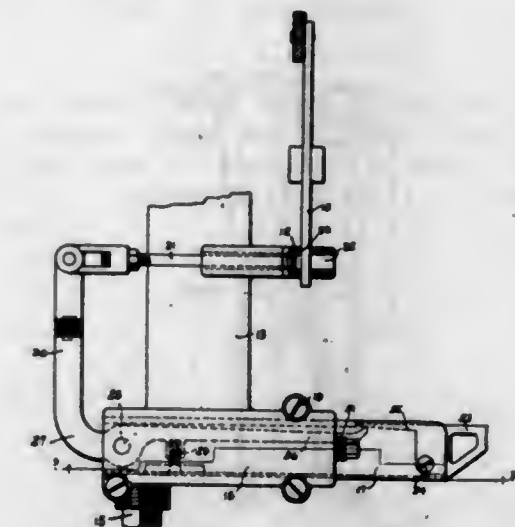
13. In a glass forming machine, the combination of a neck mold comprising horizontally separable sections, a plunger movable vertically toward and from the mold, forming rods pivoted to the lower end of the plunger and depending therefrom in position to enter the mold as the plunger descends, and a guiding element carried by the neck mold and formed with guiding surfaces by which the lower ends of said forming rods are caused to approach as they enter the mold and to draw apart as they are withdrawn from the mold.

1,515,886. UNDERTAKER'S HEADREST. JOHN C. RUMSEY, Lawrence, Kans. Filed Aug. 27, 1923. Serial No. 659,557. 3 Claims. (Cl. 45-50.)



1. A head rest for tables or cooling boards, comprising a base frame adapted to be shifted freely over the surface of the table or board, rigid supporting arms pivoted to said base frame, rigid bracing means connected to said arms and engaging the base frame for maintaining said arms at various angles with relation to said frame, and a U-shaped head rest element having the middle portion of each of its sides pivotally mounted on the upper ends of said supporting arms.

1,515,887. WEFT-DETECTING MECHANISM. ERPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 17, 1920. Serial No. 431,378. 5 Claims. (Cl. 130-284.)

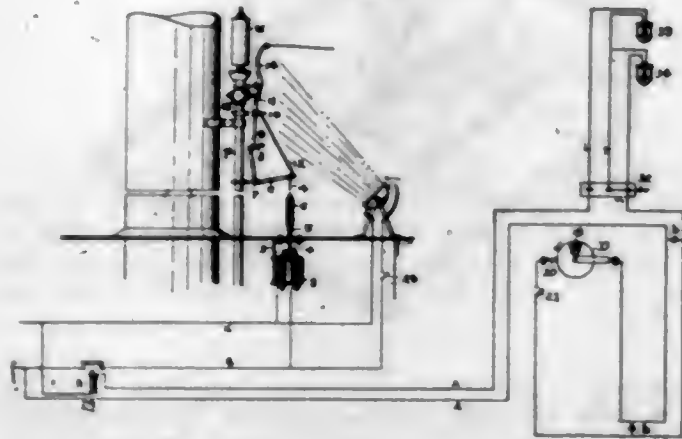


1. Weft detecting mechanism comprising an actuator, a slide, a detecting member movably mounted on said slide, a bell-crank pivoted on said slide and having a rearwardly projecting portion directly engaged by said member, a spring effective to press said bell crank yieldingly against said member thereby holding said member in normal position, and a controlling member connected at one end to said bell-crank and movable thereby into position to render said actuator operative upon indication of substantial weft exhaustion.

1,515,888. ELECTRICAL STEAM-WHISTLE INSTALLATION FOR BOATS. FRANK L. SAUNDERS, Ashtabula, Ohio. Filed Feb. 16, 1920. Serial No. 359,017. 3 Claims. (Cl. 177-311.)

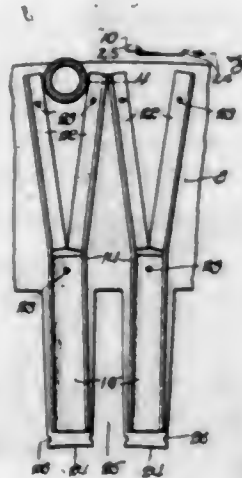
1. In an electrical steam whistle installation for vessels, a solenoid having an operating rod, a protecting

housing for said solenoid having a tubular guide for said rod; said guide rod extending to the outside of said housing, a member secured to said rod enclosing said



guide, and a steam whistle contiguous to said housing having a valve and means for connecting said rod to said valve.

1,515,889. DYNAMO-ELECTRIC MACHINE. THEODOR SCHOU and S GLEN VINSON, Mansfield, Ohio, assignors to The Ideal Electric & Manufacturing Co., Mansfield, Ohio, a Corporation of Ohio. Filed Jan. 7, 1922. Serial No. 527,619. 2 Claims. (Cl. 171-252.)

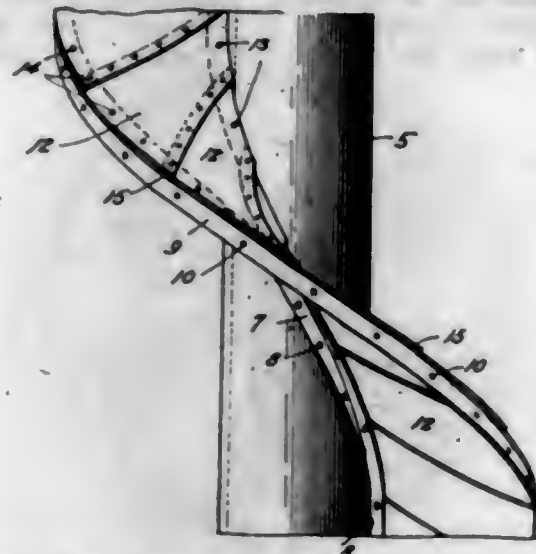


2. In a dynamo-electric machine a toothed lamination, in combination with a channel bar disposed radially thereon and secured thereto in a rigid and unitary manner, said bar having one end disposed lengthwise of and against a lamination tooth and its other end being split and spread apart and disposed against the body part of said lamination.

1,515,890. SPIRAL CONVEYER AND CHUTE. LEE E. SEKULSKI, Ellwood City, Pa., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1920. Serial No. 368,298. 2 Claims. (Cl. 193-12.)

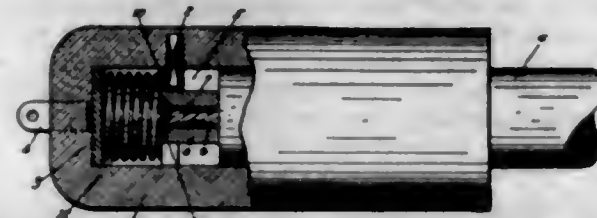
1. A spiral chute consisting of a series of tread plates, each consisting of an irregular tetragon bent into the form of an irregular segment of a cylinder the

axis of which will be at an angle to any vertical plane radiating from the center of the spiral chute, the oppo-



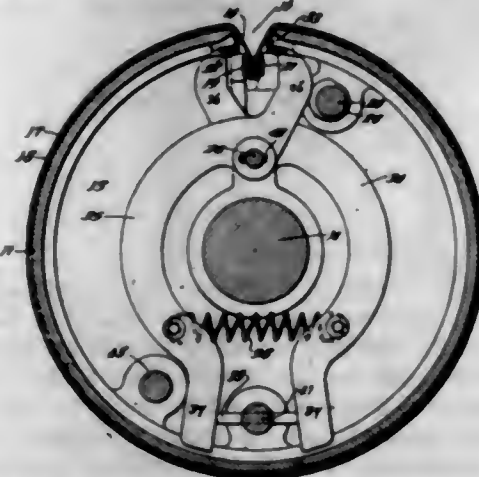
site edges of the plates when assembled extending angularly across radial lines of the spiral, and each plate connected with the other along their adjacent edges.

1,515,891. QUICK-DETACHABLE CONNECTER. CHARLES M. SHAY, Orange, N. J., assignor to Splittdorf Electrical Company, Newark, N. J. Filed Jan. 20, 1921. Serial No. 440,883. 2 Claims. (Cl. 173-269.)



1. In a quick detachable connector, a block of insulating material having a bore for the greater part of its length, a pin secured in the side wall of the block and extending into the bore, a conductor provided with a flanged thimble, the body of the thimble being smaller than the diameter of the cable, said flange being of a diameter such that the thimble and cable may be inserted within the bore, said flange having an opening through which said pin may pass and also having means on the cable side of the flange for engaging the pin on rotation of the cable and flanged thimble, a metal plate in the bottom of the bore and having a lug extending through the end of the block and a resilient member between the plate and the flange to hold the latter in engagement with the pin as and for the purpose described.

1,515,892. ABRADING CYLINDER. PETER A. SOLEM, Rockford, Ill. Filed Dec. 8, 1923. Serial No. 679,403. 7 Claims. (Cl. 51-194.)



1. In an abrading cylinder, the combination of a rim having an opening through which the ends of a web may be threaded to the interior, coacting jaws for hold-

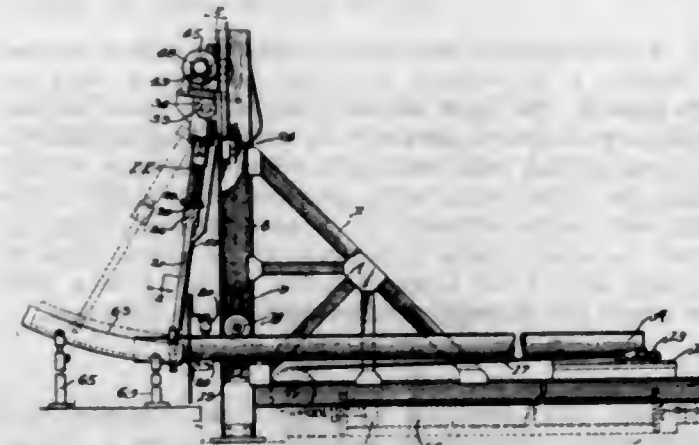
ing said ends within the cylinder, and oppositely disposed tightening elements for engaging the interposed portions of the web between said jaws and the rim for tightening the web on the rim.

1,515,893. TRAILER COUPLING AND BRAKE MECHANISM. LOUIS S. TAYLOR, Los Angeles, Calif. Filed Aug. 10, 1923. Serial No. 657,647. 10 Claims. (Cl. 188-112.)



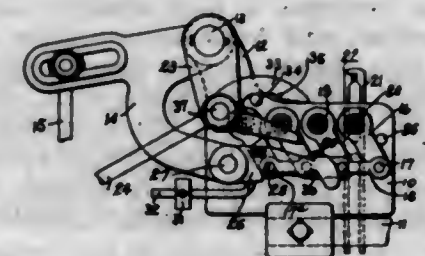
1. In combination with a trailer and its brake mechanism, a coupling member connected with said trailer with a limited longitudinal movement relative thereto at its place of connection, a flexible brake operating member extending from said brake mechanism around a part carried by said coupling member and connected to said coupling member rearwardly of said part, said part being a pulley movably mounted on said coupling member, a thrust connecting member from said trailer to said part, whereby movement of said trailer relative to its coupling member moves said part and said flexible brake operating member, for the purpose referred to.

1,515,894. MACHINE FOR BENDING PIPES. JAMES HALL TAYLOR, Oak Park, Ill. Filed Sept. 27, 1923. Serial No. 665,100. 23 Claims. (Cl. 153-40.)



1. In a machine for bending pipe, the combination of a frame, means for moving the pipe, a swinging bending member, and means for automatically varying the operative length of said member.

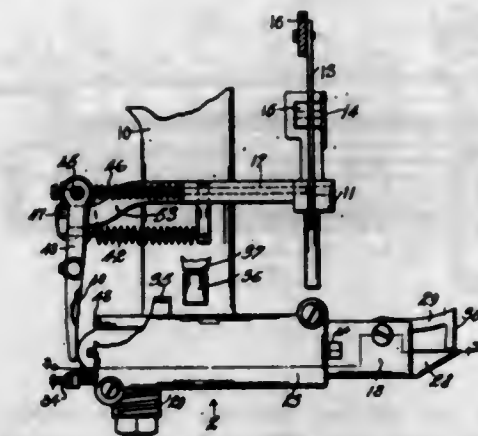
1,515,895. WARP STOP MOTION. RICHARD GREENLEAF TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 25, 1922. Serial No. 603,320. 4 Claims. (Cl. 139-360.)



1. In a warp stop motion, a bank of drop detectors, a vibrator normally free to vibrate but arrestable by a fallen detector, a regularly moving member, a weighted actuator pivoted to the member, a support for said actuator movable and arrestable with said vibrator, knock-off mechanism, a dog pivoted on said knock-off mech-

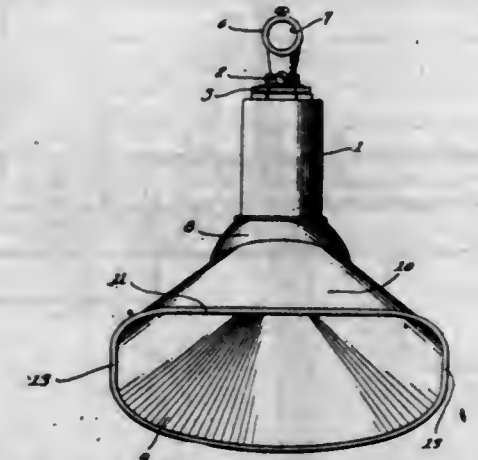
anism, means to raise said weighted actuator out of driving contact with the support and into operative relationship with the dog when the vibrator and support are arrested by a fallen drop, and a fixed support for said dog independent of the knock-off mechanism to cooperate with a part of the dog to move the latter away from the actuator as the actuator nears the end of a knock-off stroke.

1,515,896. WEFT DETECTOR FOR LOOMS. RICHARD GREENLEAF TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1923. Serial No. 610,747. 8 Claims. (Cl. 139-284.)



1. In a weft detector for weft replenishing looms, an actuator for the replenishing mechanism, a controller for said actuator, a detector subject to varying movements under influence of the shuttle, and connections extending between the detector and controller, said connections including a pair of levers pivoted together one of which levers moves about a fixed pivot and the other of said levers being connected to said controller, the levers being movable by said detector.

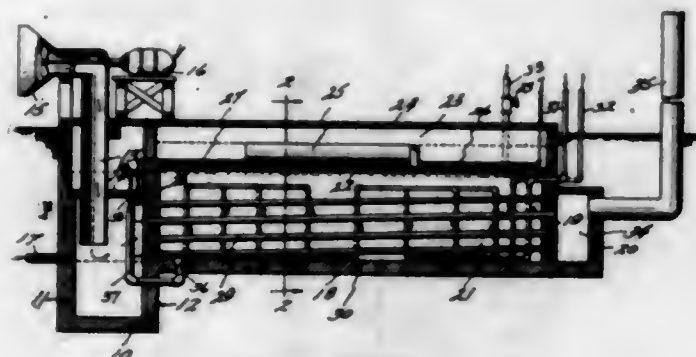
1,515,897. REFLECTOR. HENRY J. WALSER, Cleveland, Ohio, assignor to The A & W Electric Sign Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 12, 1922. Serial No. 528,805. 1 Claim. (Cl. 240-103.)



A reflector for illuminating bill-boards or other vertical surfaces, comprising a lamp socket supporting member, and a reflecting member depending therefrom, said reflecting member being of combined pyramidal and conical form and having an upper portion formed as a plane surface sloping downwardly at an acute angle to the horizontal and terminating in a substantially horizontal straight edge, said surface being adapted to permit illumination of the bill-board uniformly over a wide area up to its upper edge and to prevent light rays from passing over said upper edge, said reflecting member also having its side portions formed as plane surfaces associated in pyramidal form with said upper surface

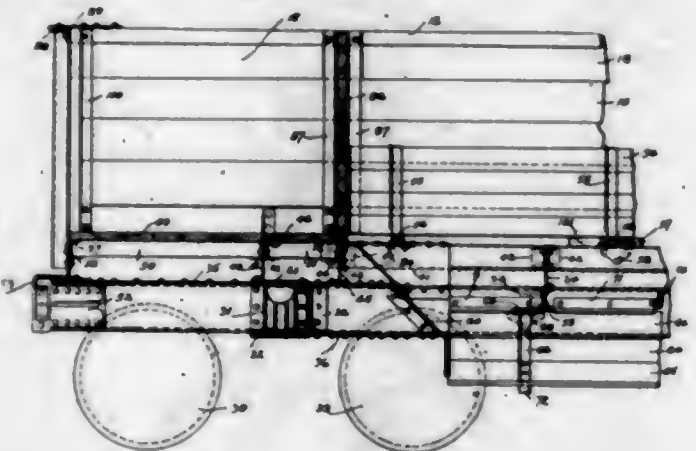
and terminating in substantially straight vertical edges, thereby bounding the zone of illumination by substantially straight vertical parallel lines, and said reflecting member also having its lower portion of substantially conical form to condense the light rays on the lower portion of the surface being illuminated.

1,515,898. AIR-COOLING SYSTEM. JACK H. WEST, Waco, Tex., assignor of five per cent to O. K. Herndon, Kansas City, Mo. Filed July 21, 1923. Serial No. 652,980. 5 Claims. (Cl. 62-134.)



1. In an air cooling system, an air supply, a vat receiving air from said supply, a water cooling tank, a spray nozzle discharging into said vat and connected with said tank, a refrigerating chamber, a refrigerating coil for circulating a refrigerating fluid through said chamber, and a plurality of air conducting tubes extending longitudinally through said chamber.

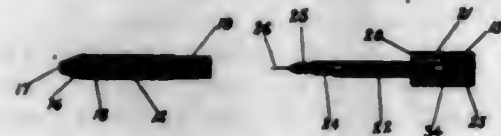
1,515,899. DUMP CAR OF THE CONVERTIBLE TYPE. ALBERT E. ZIMMER, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1922. Serial No. 604,100. 17 Claims. (Cl. 105-243.)



1. In a dump car, the combination with bolsters and end sills; of center sills extending substantially in parallelism from the end sills inwardly through the bolsters, said sills diverging for a limited distance after passing through the bolsters and thence extending in parallelism thereby presenting a wide space between the sills; and a longitudinal V-shaped hopper disposed in said wide space.

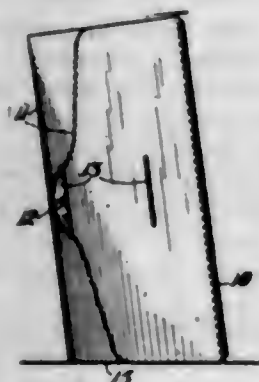
1,515,900. DETECTOR FOR USE IN RADIOCIRCUITS. CHARLES J. EVERETT, New York, N. Y. Filed May 5, 1922. Serial No. 558,649. 5 Claims. (Cl. 250-34.)

1. In a detector having a contact surface, a cooperating member comprising a barrel having a restricted opening at one end, a stem, a knob or handle on the stem, said knob or handle having means for fastening to the end of the barrel opposite the restricted opening, and a



spring contact member carried by the stem having an end projecting through the restricted opening to engage said contact surface.

1,515,901. MOUNTING FOR PHOTOGRAPHS, ETC. WILLIAM J. HELMQUEST, San Francisco, Calif., assignor to California Card Manufacturing Company, San Francisco, Calif., a Corporation of California. Filed Dec. 27, 1922. Serial No. 609,385. 3 Claims. (Cl. 40-149.)



1. A photographic mounting comprising a back section to receive a photograph or other picture, a wing on each side of the back section foldable in front of the latter to protect the picture, said wings being movable to the rear of the back section, a tongue on one of said wings, the other wing being provided with a slit to receive said tongue whereby to connect the two wings together to retain them in position at an acute angle to the back section for supporting the mounting in a position where the photograph or picture will be displayed.

1,515,902. GAS-MIXING DEVICE FOR COMBUSTION ENGINES. WILLIAM F. KLEIN and WALTER A. THUM, St. Louis, Mo. Filed Feb. 7, 1923. Serial No. 617,519. 2 Claims. (Cl. 48-180.)

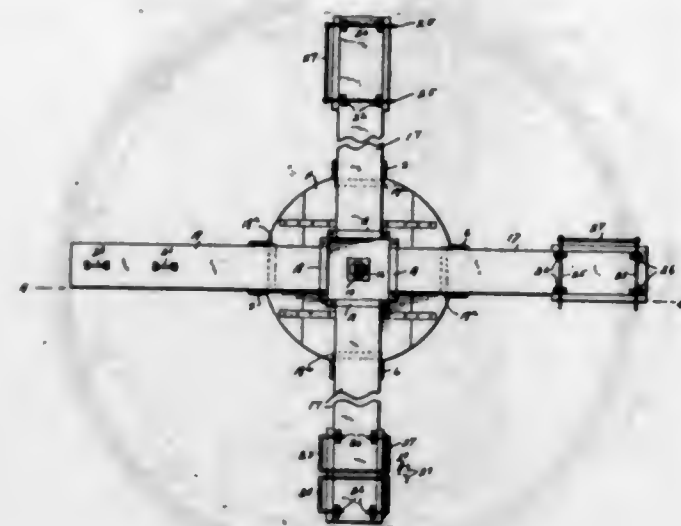


1. A gas mixing device, in combination with an intake port for internal combustion engines, comprising an annular frame structure, a hood member component to said frame member, said frame member being adapted to be connected to an intake port in communication with a source of supply, movable operating parts adjacent the inner peripheral flange of said frame member and comprising a support connected to be revolved simultaneously with said movable operating parts, located in a plane at right angles to the common axis of rotation.

1,515,903. MERRY-GO-ROUND. JOHN F. NAGORSKI and DORWOOD F. CARSE, Bedford, Ohio. Filed Apr. 11, 1923. Serial No. 631,408. 8 Claims. (Cl. 46-27.)

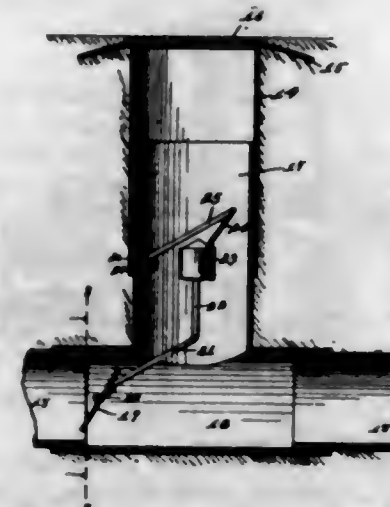
1. A merry-go-round embodying a supporting platform having collapsible feet foldable against its under surface and provided with means for retaining the same in down-

wardly and outwardly extending positions for supporting the platform at a desired elevation, a second platform pivoted to and arranged spaced above the first named platform for rotation upon a vertical axis, anti-friction members carried by the second platform and cooperating



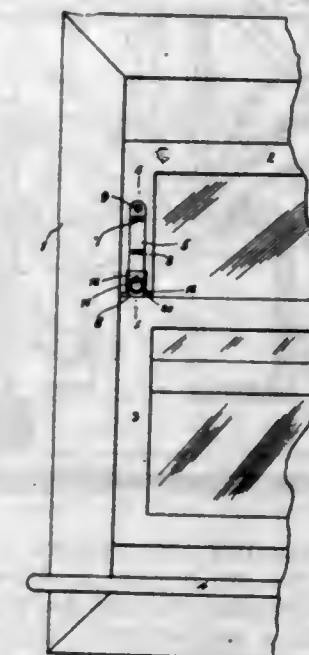
with the lower platform, a plurality of seat forming beams having their inner ends removably engaged with the second named platform and resting upon the upper surface of the latter, and seat guard frames including members pivoted upon said supports and foldable flatly against the upper surfaces thereof.

1,515,904. VALVE MECHANISM FOR DRAINAGE SYSTEMS. WILLIAM O. SIEVERS, Newell, Iowa. Filed Aug. 7, 1923. Serial No. 656,233. 3 Claims. (Cl. 137-68.)



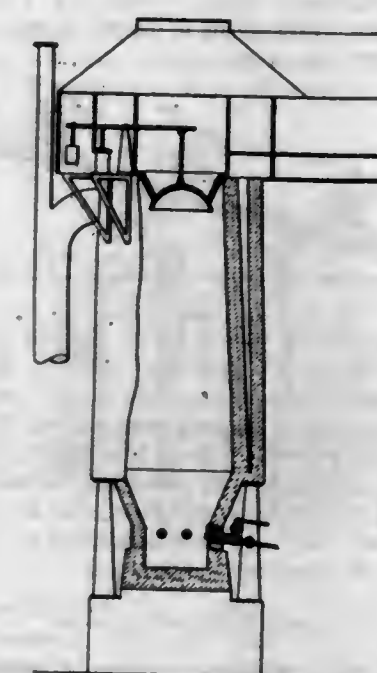
2. In a device of the class described, a series of upright tubular members, a tubular member slightly declining from the horizontal and communicating with the lower end of each of the upright tubular members, a float in each of the upright tubular members, a series of butterfly valves situated within the approximately horizontal tubular member and so arranged that each valve is just above the communication of an upright tubular member with the approximately horizontal tubular member, said butterfly valves being of smaller diameter than the approximately horizontal tubular member, and means for operatively connecting said float and said valve in such a manner that as the float is elevated or closed, the said valve will be moved to a closed or open position.

1,515,905. WINDOW FASTENER. SAMUEL SOKOLOW, New York, N. Y. Filed June 11, 1921. Serial No. 476,645. 3 Claims. (Cl. 292-227.)



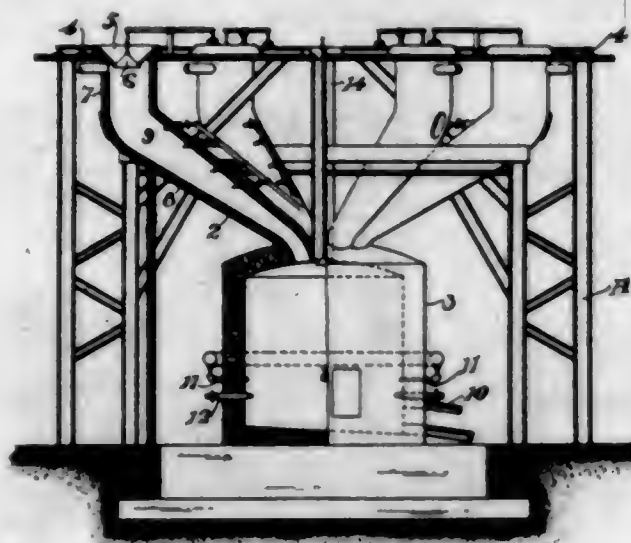
1. As an article of manufacture, a casing closed at its sides, top and one end, but open at its opposite end and bottom, a catch pivoted in the open end of the casing to project therefrom or be withdrawn into the casing, a reciprocable link in the casing, said link projecting through said closed end and directly connected to the catch, and a spring in the casing encircling said link and abutting both the catch and the closed end of the casing to move the catch to operative position.

1,515,906. PROCESS FOR SMELTING ORES. JOHN R. STEEL, San Francisco, Calif. Filed May 4, 1921. Serial No. 466,823. 3 Claims. (Cl. 75-75.)



1. A process of smelting ores, which consists in subjecting the ore to heat produced by combustion of a hydrocarbon fuel and oxygen gas.

1,515,907. PROCESS FOR SMELTING AND REDUCING ORES. JOHN R. STEEL, San Francisco, Calif. Filed Sept. 26, 1922. Serial No. 590,712. 5 Claims. (Cl. 75-17.)



1. A process of smelting and reducing ores which consists in subjecting the ore to heat produced by the combustion of a carbonaceous fuel in the presence of substantially pure oxygen gas, smelting the ore by the heat produced, and then subjecting the smelted ore to a reducing agent.

1,515,908. PROCESS FOR THE REMOVAL OF MAGGOTS, INSECTS, GREEN BERRIES, TRASH, AND SIMILAR OBJECTS FROM BLUEBERRIES. CHARLES H. STEPHENSON, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States. Filed Sept. 17, 1924. Serial No. 738,314. 2 Claims. (Cl. 146-219.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

2. A process for the separation from blueberries of maggots and worms consisting in subjecting the blueberries to a water bath at a temperature between 110 and 140 degrees F. for a period of approximately five minutes.

1,515,909. DISPLAY DEVICE. HERBERT K. STURDY, Jr., Attleboro Falls, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Sept. 8, 1923. Serial No. 661,675. 4 Claims. (Cl. 211-34.)

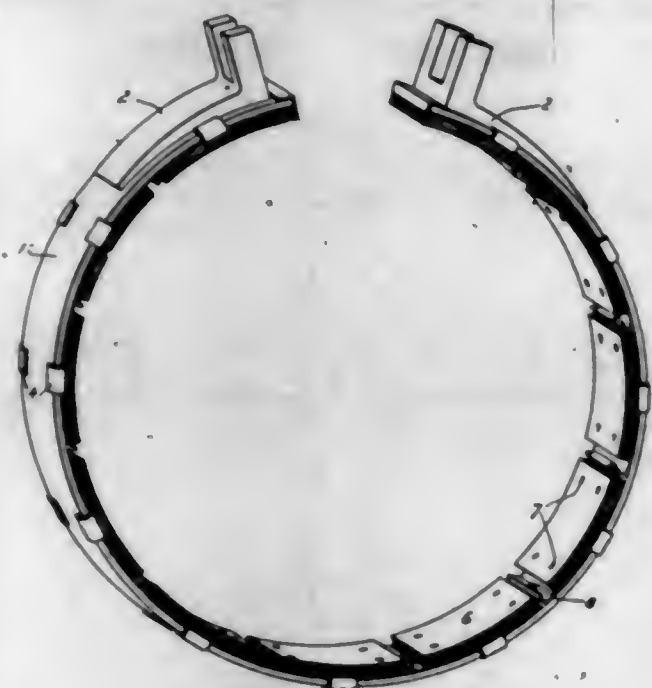


1. A display device for jewelry or the like, comprising a plate having an opening therein generally rectangular in shape with its opposite side walls recessed, in combination with a holder card folded to provide an upstanding intermediate portion and having one end portion extending through said recesses beneath the stock of said plate adjacent the recesses and its opposite end engaging an end wall of said opening to support said folded portion in upstanding position.

1,515,910. BRAKE BAND. ALVIN H. SWEET, Los Angeles, Calif., assignor, by direct and mesne assignments, to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Filed Feb. 8, 1923. Serial No. 617,777. 5 Claims. (Cl. 188-249.)

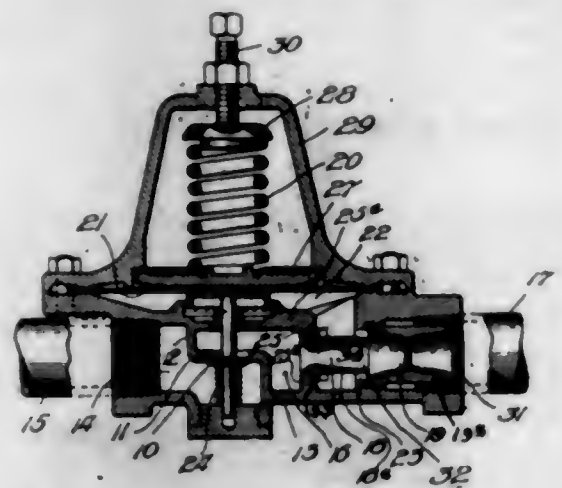
3. A brake lining comprising a plurality of sections having lugs adapted for engaging the edges of a brake

strap for positioning said lining axially and radially with respect to said strap; and means for positioning said lining circumferentially with respect to said strap;



said sections being hooked together in mutually interlocked circumferential alignment in such manner as prevents disalignment, independent of the strap.

1,515,911. PRESSURE REDUCING AND REGULATING VALVE. CHARLES M. TERRY, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a Corporation of Delaware. Filed June 30, 1922. Serial No. 571,897. 2 Claims. (Cl. 50-10.)

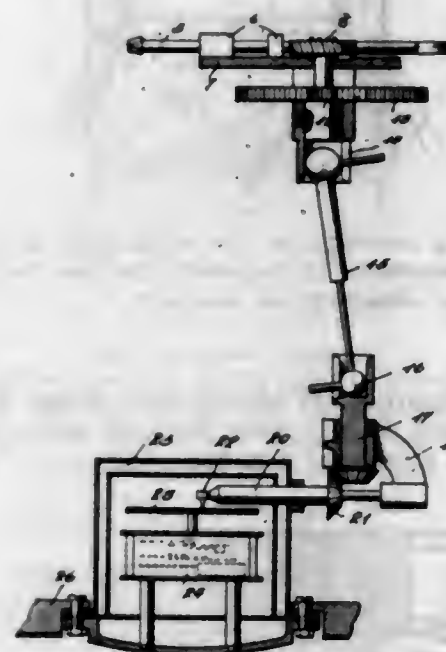


1. In a pressure-reducing and regulating valve, structure providing an initial-pressure space, a delivery space having a port to said initial pressure space and having a delivery opening, and a counter-pressure space; a valve for said port loaded to open in opposition to the pressure of said counter-pressure space, a delivery pipe aligning with the said delivery opening, a Venturi tube in the receptive end of said delivery pipe, and a nozzle in said delivery opening, smaller than and aligning with the receptive end of said Venturi tube and leaving an opening around said nozzle between said Venturi tube and said counter-pressure space.

1,515,912. DRY CELL. WILLIAM MICOU TURNLEY, Toronto, Ontario, Canada. Filed May 7, 1924. Serial No. 711,730. 3 Claims. (Cl. 136-30.)

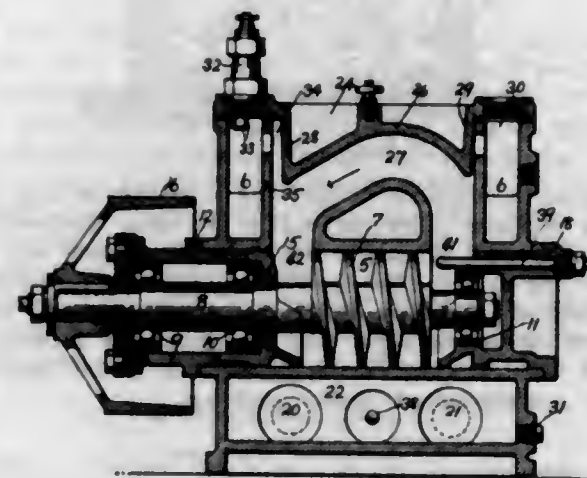
1. A dry cell having an electrolyte containing aluminum chloride as one of its principal ingredients.

1,515,913. REVOLUTION COUNTER. FRANK E. P. UBERROTH and WERNER E. FOLLIN, Newport, R. I., assignors to Government of the United States, represented by the Secretary of the Navy. Filed July 28, 1921. Serial No. 488,239. 2 Claims. (Cl. 234-33.)



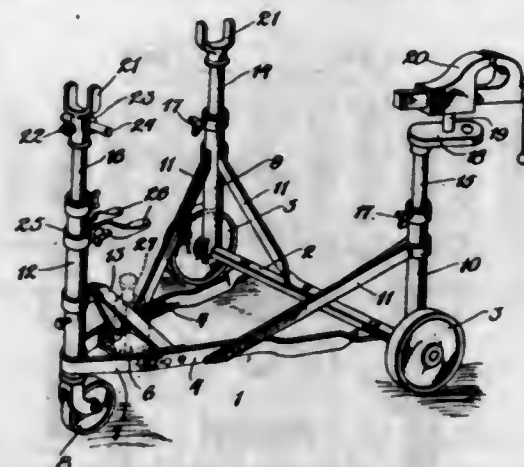
1. In combination with a torpedo, a recorder for torpedoes or the like having a main power shaft, means for recording the rotations of said shaft during any time interval comprising a rotating table carrying a record sheet, means for driving said table, a pencil adapted to coact with the record sheet at intervals inversely proportional to the speed of the shaft, the rotations of which are being measured, means for rotating said pencil transversely to the line of movement of the recording disc and reduction gearing interposed between said rotating pencil and the main shaft.

1,515,914. APPARATUS FOR TESTING LUBRICANTS. GUSTAVE A. UNGAR, Pelham Manor, N. Y., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 19, 1922. Serial No. 575,945. 11 Claims. (Cl. 23-3.)



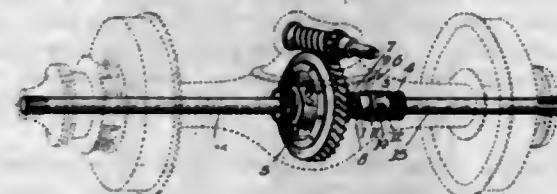
1. An apparatus for testing lubricants and the like comprising a chamber adapted to contain the lubricant to be tested, means for mechanically stirring the lubricant, and means for subjecting the lubricant to the effects of ozone produced by an electric spark.

1,515,915. PORTABLE REPAIR UNIT. FRANK A. VALENTA, Schwertner, Tex. Filed Jan. 3, 1924. Serial No. 684,204. 4 Claims. (Cl. 29-89.)



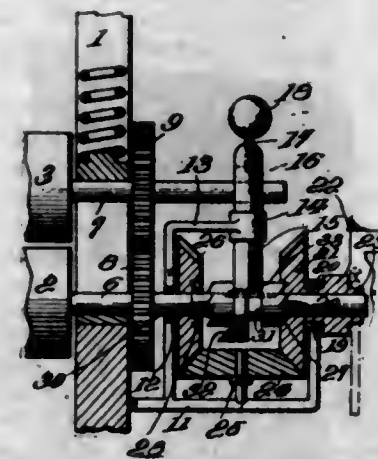
1. A repair unit comprising a wheeled base, standards vertically adjustable thereon, fork-terminals for certain of the standards, and a vise carried by and adjustable relatively to another of said standards.

1,515,916. DIFFERENTIAL-GEAR-CONTROL MECHANISM. IRVING C. WOODWARD, Syracuse, N. Y. Filed Feb. 16, 1924. Serial No. 693,200. 5 Claims. (Cl. 74-100.)



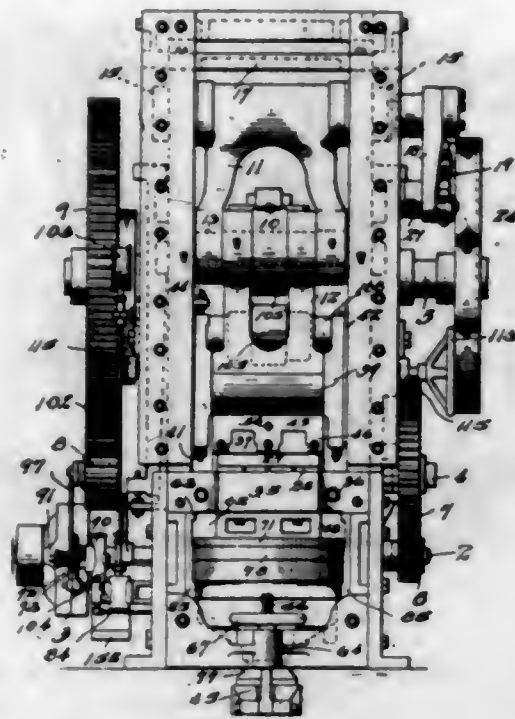
1. The combination with a driving member and a driven member of a clutch for connecting said members, said clutch comprising a toothed element rotating with the driving member, a toothed element rotating with the driven member, and a third toothed element movable axially with respect to said two first mentioned toothed elements and having teeth for interlocking with the teeth on both of said two first mentioned toothed elements.

1,515,917. CLOTHES WRINGER. REA P. WRIGHT, Washington, D. C. Filed Mar. 28, 1918. Serial No. 225,245. 10 Claims. (Cl. 68-32.)



1. The combination in a clothes wringer having upper and lower pressure rolls provided with shafts, the upper one of said shafts being movably mounted, of gears loosely mounted on the lower one of said shafts provided with clutch faces, a double clutch member slidably mounted on said last mentioned shaft and a shifting member for said clutch member actuated by the shaft of the upper pressure roll when vertically moved for locking one of said gears to the lower pressure roll shaft.

1,515,918. AUTOMATIC TILE PRESS. FRANK B. YINGLING, Hamilton, Ohio. Filed June 20, 1922. Serial No. 569,691. 23 Claims. (Cl. 25-98.)

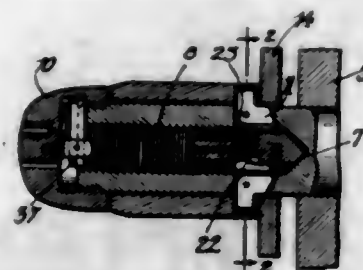


1. In a tile press the combination with an upper die and a lower die and means for reciprocating said dies, of means affording hydraulic pressure for supporting the lower die and receive the weight of a compression stroke of the upper die, and means for indicating said hydraulic pressure.

8. In a tile press the combination with a reciprocable cross-head, and rigidly connected dies, die block, and adjusting block, of a die frame carried by said head, and means interposed between said adjusting block and frame for varying the distance therebetween to adjust the dies.

19. In a tile press, the combination with a charging device, of a dust box located in operative relation thereto, and means within said box for distributing dust as it is fed to said charging device.

1,515,919. LOCK. HANS ALVENSLEBEN, Cammin, Germany, assignor of one-half to Kurt Randig, Baldwin, Long Island, N. Y. Filed Apr. 30, 1923. Serial No. 635,777. 5 Claims. (Cl. 70-5.)

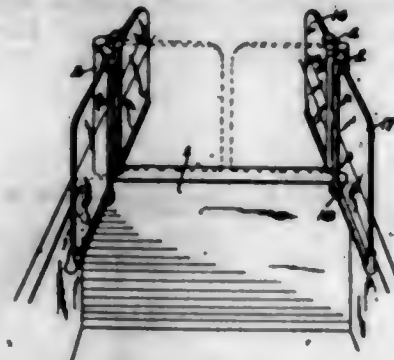


1. A lock of the class described comprising a stationary internally threaded bolt, a plurality of radially disposed locking elements pivotally secured within the bolt, a threaded plug rotatable within the bolt to actuate the locking elements to their locked position, a bolt housing and a cap secured to the outer end of the bolt.

1,515,920. TONNEAU WINDSHIELD. JOSEPH AUCH, Pasadena, Calif., assignor, by mesne assignments, to Arthur C. Lillie, Los Angeles, Calif. Filed July 29, 1920. Serial No. 399,847. 4 Claims. (Cl. 290-85.)

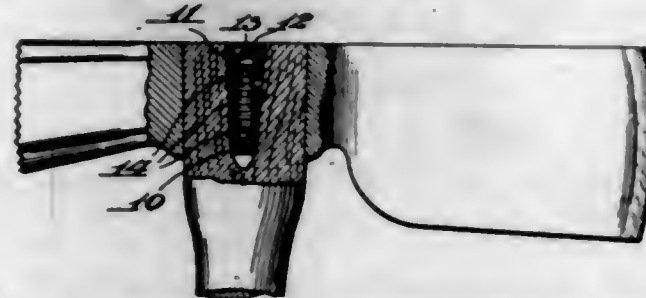
1. A tonneau windshield comprising a vertical support adapted to be rigidly mounted, pairs of clamping bear-

ings at the upper and lower ends of the support, and two windshield plates having uprights extending into



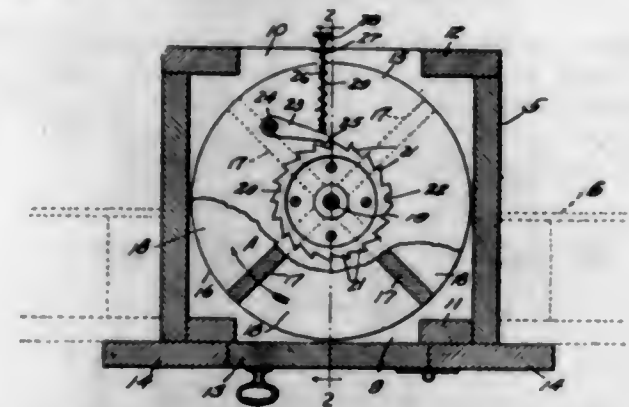
the clamping bearings, so that each plate is mounted to swing independently of the other and may be held independently by clamping the bearings.

1,515,921. TOOL-HANDLE WEDGE. CAREY G. BALLARD, Los Angeles, Calif. Filed Feb. 13, 1924. Serial No. 692,546. 3 Claims. (Cl. 306-33.)



2. A tool handle wedge comprising a body having a chamber adapted to contain liquid, the wall of said body being perforated to permit the escape of the liquid from said chamber and a plug removably seated in said body for normally closing said chamber.

1,515,922. SERVICE CABINET. FREDERICK M. BARNES, Seattle, Wash. Filed Sept. 15, 1922. Serial No. 588,311. 3 Claims. (Cl. 20-1.11.)



1. A service cabinet comprising a casing having openings in opposite sides thereof, a conveyor mounted for rotation in said casing, a dog controlled from one side only of the casing whereby the conveyor is rotatable in one direction or in two directions, selectively, and means provided on the conveyor and engageable by said dog to prevent the conveyor being turned in either direction from a predetermined rotary position.

1,515,923. VEGETABLE CUTTER. BERNHARD M. BEANTSON and JOSEPH E. NORDGREN, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,474. 1 Claim. (Cl. 146-206.)

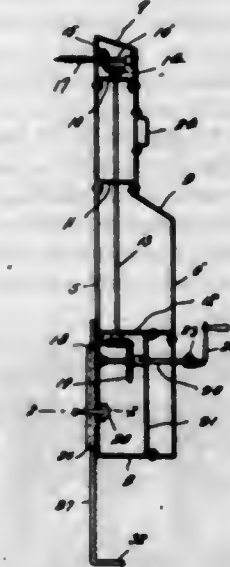
A vegetable cutter comprising an elongated piece of metal bent upon itself and having its free ends secured together to form a finger-encircling band, said band being slitted at circumferentially spaced points to pro-

vide a transverse strip-like portion which is bent outwardly to dispose it in spaced relation to the band, one edge of said portion being sharpened to provide a cutting blade, there being a comparatively long portion thrust



outwardly from one side of the band and bent to extend tangentially thereto to provide a finger-engaging extension, said extension being bent between its ends to conform to the finger which it is adapted to engage and overlie.

1,515,924. DRILLING MACHINE. DINK BLAIR, Denison, Tex. Filed Oct. 6, 1923. Serial No. 666,994. 1 Claim. (Cl. 144-105.)

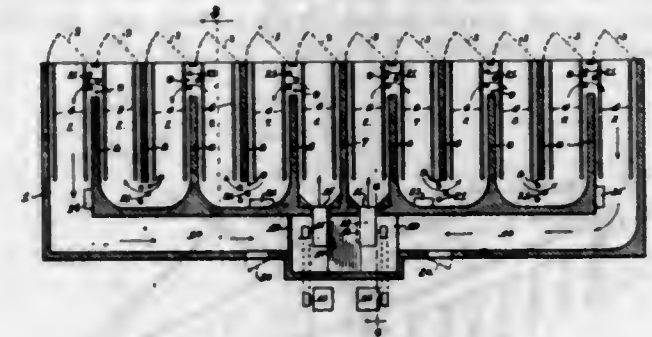


A drill comprising an elongated frame narrower at one end than at the other, said frame being pointed at its narrower end and at the side edge thereof, a transverse drill carrying shaft journaled in the frame at the narrower end thereof, means carried by the frame and disposed longitudinally thereof for rotating the drill carrying shaft, said frame being provided at its larger end portion and the same side edge at which the point is located with guide flanges, a rack bar longitudinally slidable in said guide flanges and disposed in alignment with the pointed end of the frame, and a pinion journaled upon the frame and engaging the teeth of the rack bar.

1,515,925. DEHYDRATOR. FRANK L. BURELL, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Aug. 21, 1923. Serial No. 658,641. 6 Claims. (Cl. 34-19.)

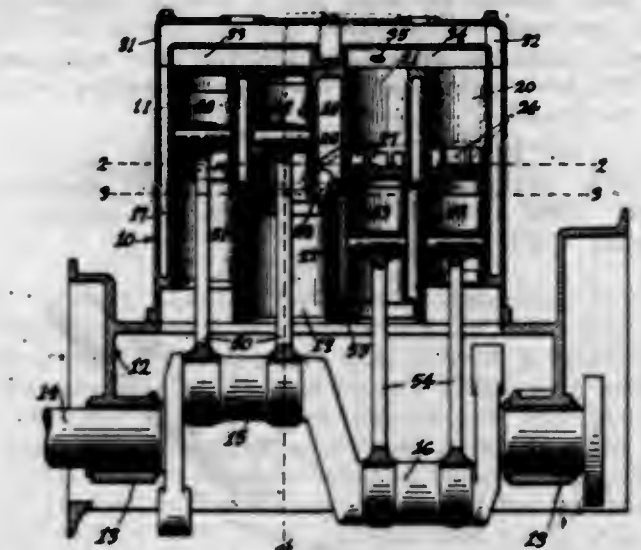
1. A dehydrator comprising a closed shell having a longitudinal passage at its rear; spaced transverse partitions dividing said shell into a plurality of product containing chambers, each partition having an opening

connecting the adjacent chambers, and the endmost chambers having openings communicating with said longitudinal passage; heating members positioned in the



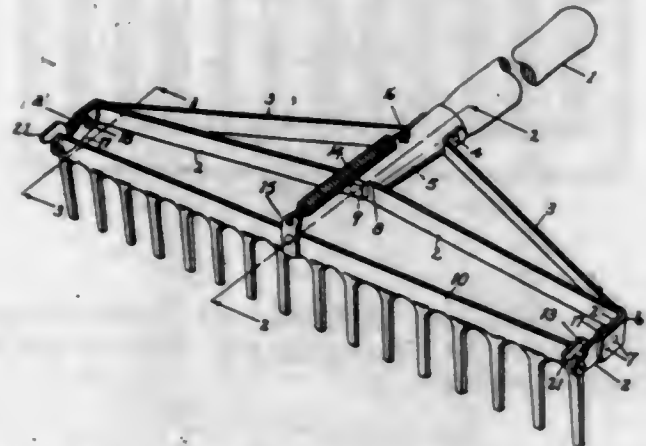
openings between said chambers; and means for circulating a current of air through said chambers and said longitudinal passage.

1,515,926. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURNETT, Los Angeles, Calif., assignor of one-half to Charles A. Burnett, Los Angeles, Calif. Filed Mar. 19, 1924. Serial No. 700,420. 7 Claims. (Cl. 123-53.)



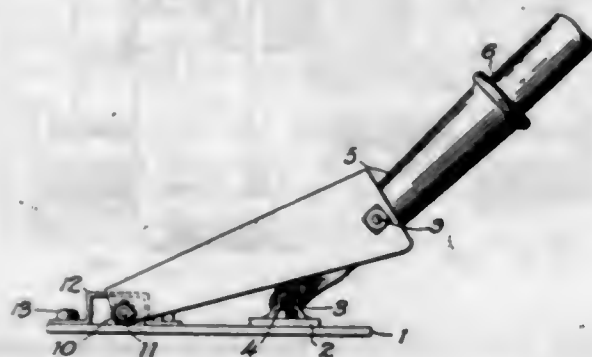
1. The combination, in a two stroke cycle internal combustion engine, of four cylinders, a piston arranged for operation within each cylinder, a two-throw crank shaft, each piston being separately connected to said crank shaft, a cylinder head having formed in its under side a pair of separate chambers, each chamber enclosing the head ends of a pair of cylinders so as to provide a common compression and combustion chamber to the two cylinders, ignition means located in each chamber in the head, said ignition means being arranged on opposite sides of the two combustion chambers, the two center cylinders each having a two-diameter bore, the pistons that operate within said center cylinders each having a two-diameter periphery, that portion of each center cylinder having the larger diameter constituting an annular gaseous mixture precompression chamber, a transfer duct leading from the precompression chamber of one center cylinder to ports formed in the chamber of smaller diameter of the adjacent cylinder and on one side thereof in relation to the row of four cylinders, a transfer duct leading from the annular precompression chamber of the other of the two center cylinders to ports formed in the wall of the smaller chamber of the other of the two center cylinders, said last mentioned ports being arranged on the opposite side of the cylinder from the ports in the other of the two center cylinders, and the said ignition means that is seated in the cylinder head being located on the same sides of the cylinders as are the inlet ports from said transfer duct.

1,515,927. RAKE. LOUIS V. CLAIRE, Grand Rapids, Mich., assignor of seven-sixteenths to Harmon C. Wolfe, three-sixteenths to Lewis H. Chamberlin, one-sixteenth to William H. Lennop, one-sixteenth to Casper M. Droste, and one thirty-second to Charles H. Bull, all of Grand Rapids, Mich. Filed Apr. 23, 1923. Serial No. 634,006. 3 Claims. (Cl. 55-10.)



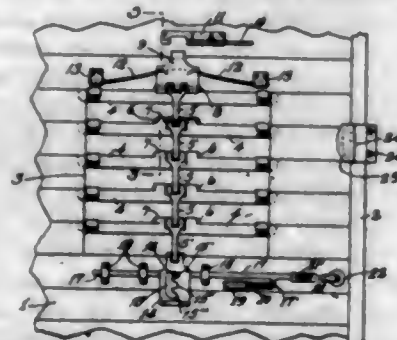
3. A rake comprising a handle having a yoke-like shank, a rake head comprising a head bar disposed between the arms of said shank and having end pivots journaled therein, a stop limiting the rotation of said head in one direction, a spring acting to normally hold said head against the stop, and a locking member pivotally mounted on the inner side of one of the arms of said shank to swing downwardly into engagement with the inner side of said head bar preventing its pivotal movement.

1,515,928. TRACK LINER. JOHN CLARK, Walkerton, Ind. Filed Oct. 18, 1923. Serial No. 669,384. 7 Claims. (Cl. 254-43.)



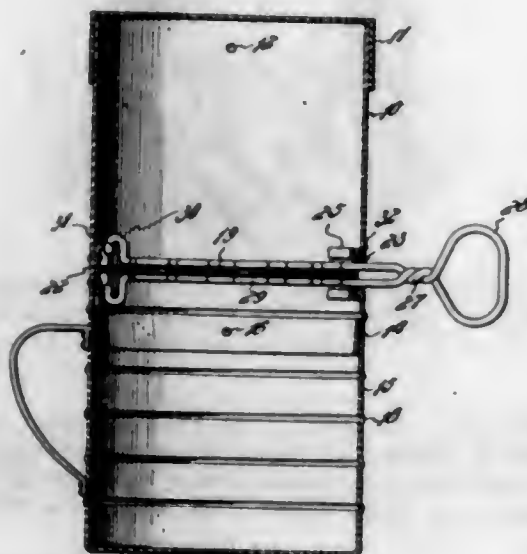
1. A track liner comprising a base plate, an operating lever pivoted thereto, and an aligning lever having one end pivoted to said operating lever and having its other end free, said last-named end carrying an antifriction roller, bearing on said base plate.

1,515,929. FOLDING-BLIND WINDOW. MANUEL BRETOS Y CLAVERIA, Santiago, Cuba. Filed Apr. 5, 1924. Serial No. 704,436. 3 Claims. (Cl. 189-56.)



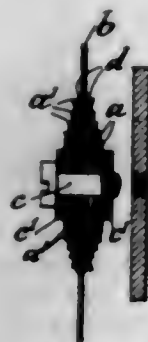
1. An apertured folding closure member, a folding blind covering the aperture in the closure member and cooperating mechanism on the blind and the closure member for folding the blind upon the folding of the closure member.

1,515,930. FLOUR SIFTER. ETHELYN E. COLE, Renton, Wash. Filed June 22, 1923. Serial No. 647,120. 2 Claims. (Cl. 83-60.)



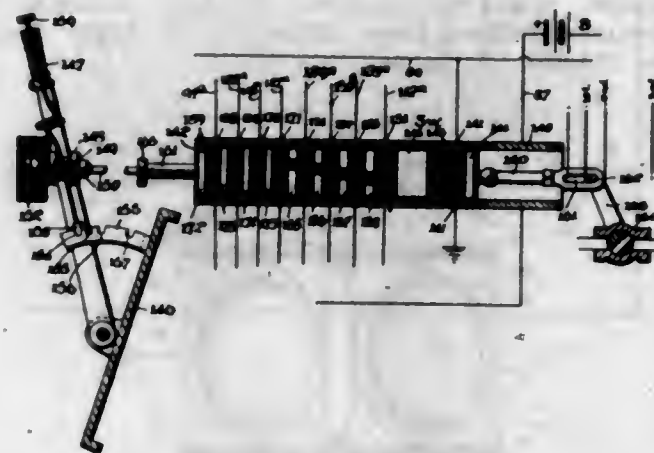
1. In a flour sifter, a hollow body, a screen secured within and extending across the intermediate portion thereof, a U-shaped bracket secured against the inside of the wall and straddling said screen, the body being formed with an elongated lateral slot opposite said bracket, channeled guides formed integrally with the body at the longitudinal edges of said slot, a curved plate slidable along said guides, and a rubbing member formed from a single length of wire and including arms extending through said plate and arranged at opposite sides of the screen, each arm having its intermediate portion of serpentine formation and terminating at its inner end in a hook, said hooks being oppositely arranged, directed toward the screen and pivotally engaged with the arms of said bracket.

1,515,931. ELECTRIC SOUND-PRODUCING HORN. WALTER ARTHUR CROSSEE, Malvern, England. Filed Feb. 5, 1924. Serial No. 690,854. 1 Claim. (Cl. 181-32.)



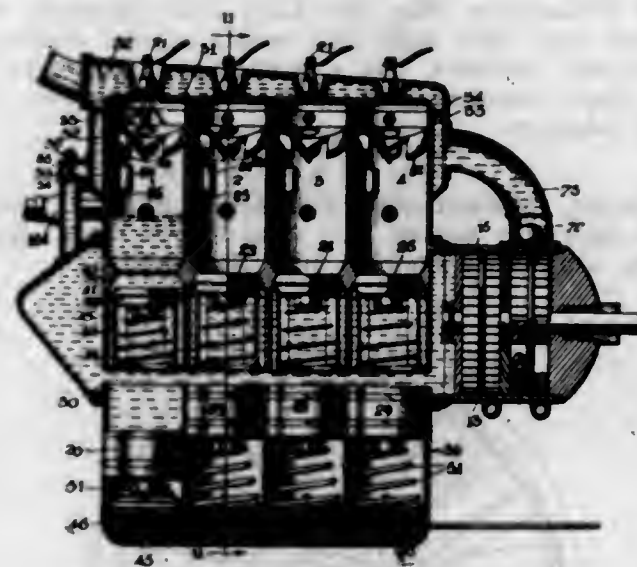
A vibratory diaphragm for an electric horn comprising a diaphragm disc and a series of laminations on opposite sides of said disc at the center thereof, said laminations being concavo-convex and arranged with their concave sides towards said disc, and fastening means extending through the centers of said disc and laminations and pressing said laminations and disc together, so that said laminations bear against one another, and the innermost laminations bear also against said disc at all points from the peripheries to the centers of said laminations, and forming a solid body at the center of the diaphragm.

1,515,932. ELECTRIC SWITCH. FRANK D. CROWDER, San Francisco, Calif., assignor of one-fourth to Lorenzo G. Warfield, Washington, D. C.; one-fourth to L. R. Wilhite, Houston, Tex.; and one-fourth to H. H. Haden, Harris County, Tex. Filed Nov. 23, 1920. Serial No. 426,063. 8 Claims. (Cl. 200-4.)



7. An electric switch comprising a plurality of contactors, sliding means having engaging means carried by one contactor and extending through the other, means to move the sliding means and slide its contactor a predetermined distance before engaging and sliding the other, and means to turn all contactors by said sliding means independently of said sliding movement.

1,515,933. INTERNAL-COMBUSTION ENGINE. FRANK D. CROWDER, San Francisco, Calif., assignor of one-fourth to Lorenzo G. Warfield, Washington, D. C.; one-fourth to L. R. Wilhite, Houston, Tex.; and one-fourth to H. H. Haden, Harris County, Tex. Filed Nov. 23, 1920. Serial No. 426,064. 44 Claims. (Cl. 103-249.)

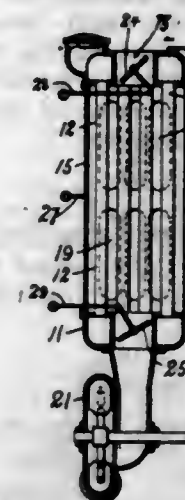


1. An engine comprising a cylinder, a valve having a port admitting fluid into the cylinder while in a normally open position, electro-magnetic closing means for the valve, and contact means actuated by the piston formed by said fluid when the latter reaches a predetermined inward point in the cylinder to energize said electro-magnetic means, close the valve and stop the inflow of fluid.

1,515,934. RADIATOR FOR AUTOMOBILES. GEORGE H. DEIN, Babylon, N. Y. Filed Oct. 9, 1920. Serial No. 415,832. Renewed Apr. 15, 1924. 4 Claims. (Cl. 257-126.)

1. A radiator device comprising elements through which water is caused to circulate, a casing enclosing

said elements and closed at the front and rear and with openings in the ends, top, and bottom, and means for



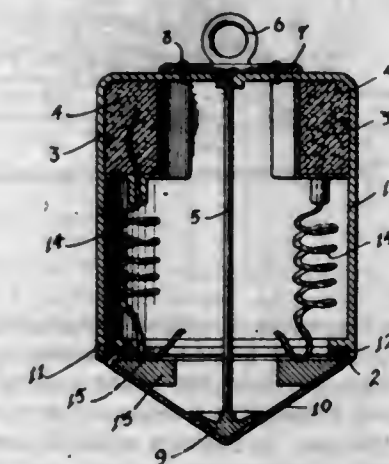
causing induced currents of air to pass through the openings in the ends and top and be discharged through the open bottom.

1,515,935. SHOCK ABSORBER FOR VEHICLES. GEORGE H. DEIN, Babylon, N. Y. Filed May 18, 1921. Serial No. 470,634. Renewed Apr. 15, 1924. 3 Claims. (Cl. 203-55.)



2. A shock absorber for vehicles comprising a piston chamber to be arranged horizontally on the vehicle and having openings in opposite ends thereof, a plurality of coiled springs arranged end to end within said housing, an elliptical vehicle spring having one end extended through one end wall of said housing and provided with a lateral extension at its terminal inserted between the inner ends of said coiled springs, means for varying the adjustment of said coiled springs, said means comprising a piston arranged between the outer end of said housing and the outer end of the outer spring, and means for adjusting said piston in said housing to vary the tension of the springs.

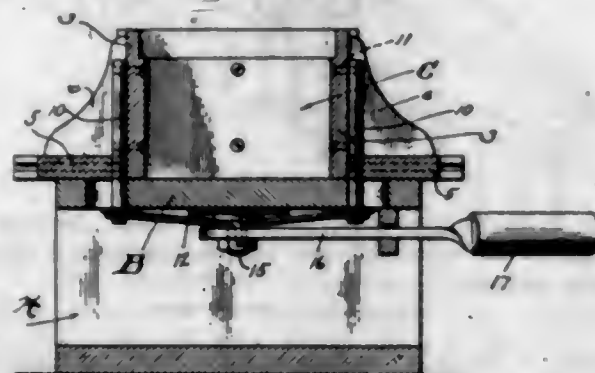
1,515,936. FIRE ALARM. CHARLES DE ROOS, Sioux City, Iowa. Filed May 21, 1923. Serial No. 640,518. 1 Claim. (Cl. 116-105.)



A device of the character described comprising an explosive, a metal resonating casing for holding said explosive, means for suspending said casing free of rigid support, a fuse communicating at one end with said ex-

plosive, a cap arranged to close one end of said resonating casing and fixed against dislodgement therefrom by means of a cementitious material having a relatively low liquefying temperature, said fuse being normally coiled within said casing and having its lower end attached to said cap, and weights carried by said cap for causing the downward movement of said cap when said cementitious material is liquefied.

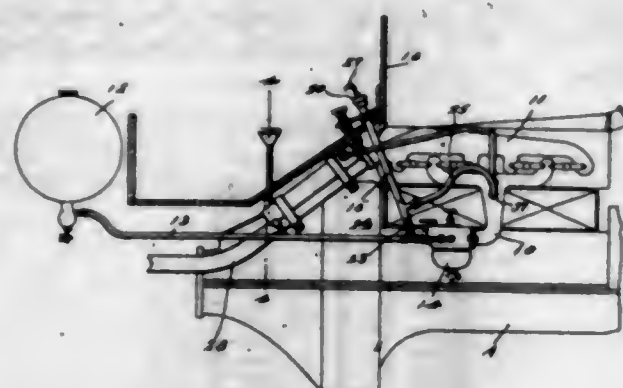
1,515,937. CUBE-SUGAR-PACKING MACHINE. HENRY DIPPEL, San Francisco, Calif. Filed May 7, 1924. Serial No. 711,679. 7 Claims. (Cl. 226-14.)



1. A device of the character described, comprising a base member, a receptacle mounted thereon in which cube sugar may be packed in layers, and means for contracting the receptacle to move the cubes into a compact assembly.

7. A device of the character described, comprising a support, a base plate mounted thereon, a receptacle on the base plate in which cube sugar may be packed in layers, said receptacle comprising a pair of side and end sections, a foot member on each side and end section, guide means on the base plate between which the foot members and the side and end sections carried thereby are movable, a disk turnably mounted on the base plate, a plurality of crank pins on said disk, a plurality of links connecting the crank pins with the respective side and end sections, a manually actuated lever for imparting a turning movement to the disk, and a hinge connection formed between the support and the base plate to permit the base plate and the receptacle carried thereby to be inverted.

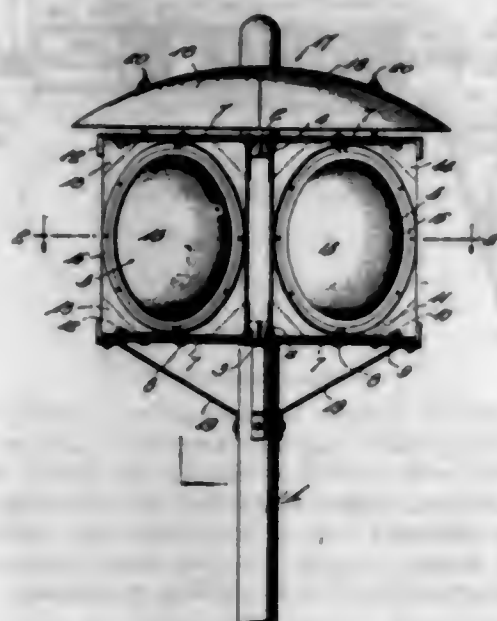
1,515,938. MOTOR ATTACHMENT. BENITO JOSEPH DONADA, Refugio, Tex. Filed Dec. 7, 1920. Serial No. 428,982. 1 Claim. (Cl. 123-187.5.)



A device of the character described comprising a barrel casing having a valve seat at one end thereof controlling a passageway, a cap fitted to the other end of said casing carrying a rod forming a needle valve for cooperation with the valve seat, a plunger slidably arranged on the rod, a coil spring encircling the rod and having engagement with the plunger and cap, a finger engaging element arranged above the cap and attached to a plurality of rods passing through and supported by the cap and attached at their opposite ends to the plunger

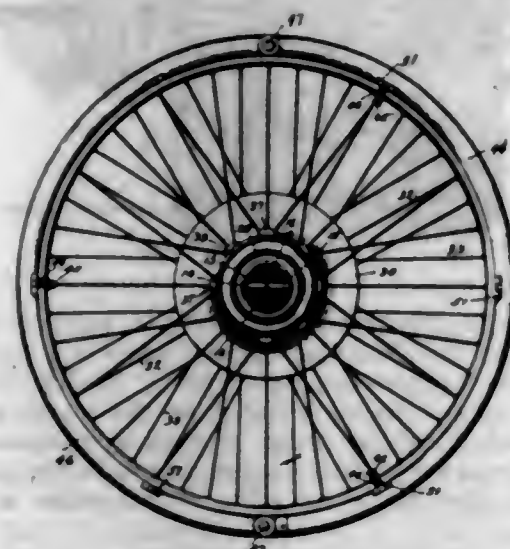
whereby upon movement of said finger engaging element, rods and plunger, priming fluid will be drawn through the passageway into said casing and subsequently will be forcibly ejected therefrom by the spring-pressed return movement of the plunger.

1,515,939. TRAFFIC SAFETY SIGNAL. CHARLES E. EDWARDS, Villisca, Iowa. Filed July 20, 1922. Serial No. 576,330. 5 Claims. (Cl. 88-1.)



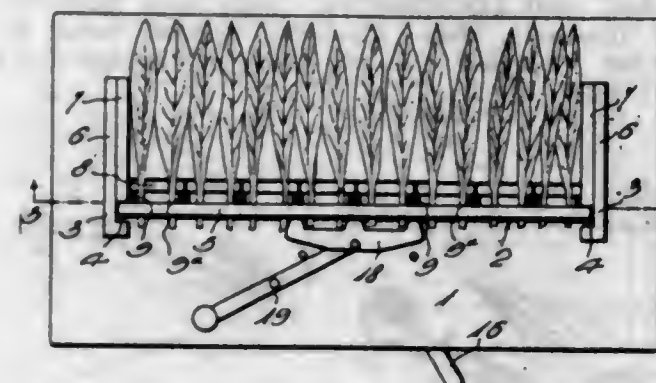
1. A safety signal for use at street intersections, railroad crossings and the like comprising a supporting standard, a plurality of vertically spaced horizontally disposed supporting arms radiating from the upper portion of said standard, a plurality of reflectors including mirrors arranged between said arms, a plurality of connections between said reflectors and supporting arms, said connections being detachably and adjustably connected with said arms and having pivotal connection with said reflectors, and a sectional hood arranged on the upper portion of the standard and disposed over said reflectors.

1,515,940. WHEEL FOR AUTOMOBILES, ETC. ISAAC L. EDWARDS, Aurora, Ill. Filed Nov. 7, 1919. Serial No. 336,259. 3 Claims. (Cl. 152-21.)



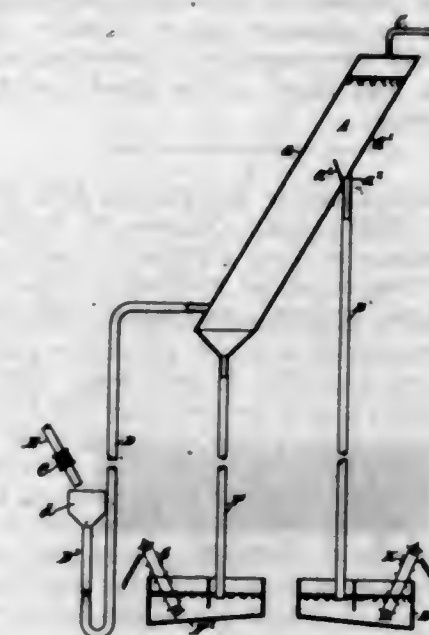
1. A wheel having a rim with a tire-engaging flange formed of jointed ring sections, at least one of the joints being openable, and another one serving as a hinge each joint consisting of overlapping portions and a screw passing through the over-lapped portions.

1,515,941. DEVICE FOR REMOVING TOBACCO LEAVES FROM LATHS. LOUIS C. EDWARDS, Ellington, Conn. Filed Nov. 5, 1923. Serial No. 672,947. 10 Claims. (Cl. 131-21.)



1. A tobacco leaf-removing device comprising common means at spaced points for forcing leaves of tobacco from a lath and for gripping the leaves until released.

1,515,942. PROCESS AND APPARATUS FOR SEPARATING CARBONACEOUS MATERIAL. BYRON E. ELDRED, Great Neck, and ROBERT N. GRAHAM, Long Island City, N. Y.; said Graham assignor to said Eldred. Filed Apr. 23, 1920, Serial No. 376,024. Renewed May 26, 1923. 5 Claims. (Cl. 83-85.)

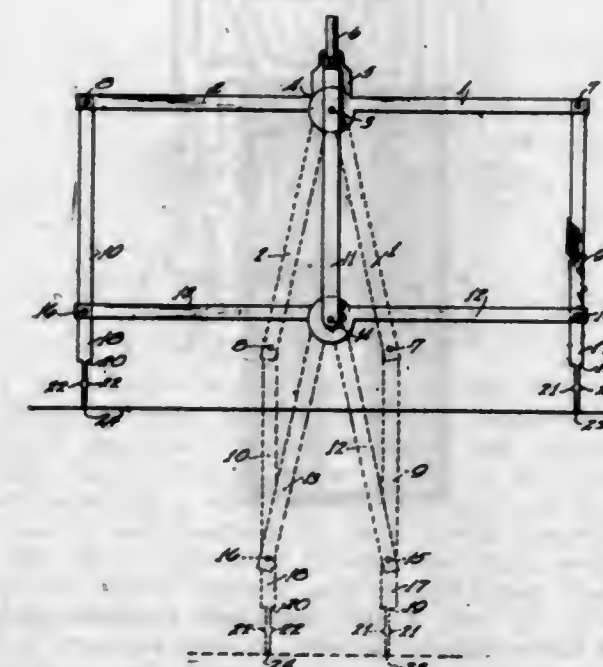


1. The process of separating carbonaceous material from mixtures containing the same, which consists in entering the mixture into a body of water whose surface is subjected to a vacuum, whereby the carbonaceous material floats at the surface and above it, maintaining the floated material for a sufficient time and under sufficient vacuum to destroy its buoyancy, whereby it sinks, and collecting the sunken material separate from the rising material.

1,515,943. SELF-ADJUSTING BOW DIVIDERS. JOSEPH ROLLIN ENGBERG, Akron, Ohio. Filed Mar. 31, 1921. Serial No. 457,393. 2 Claims. (Cl. 83-151.)

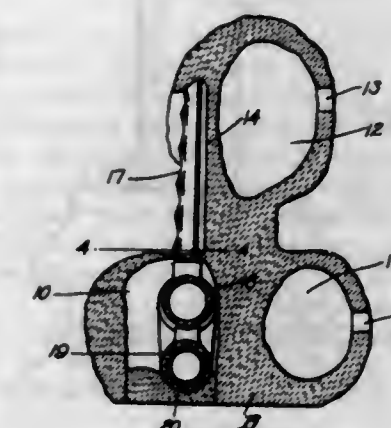
1. A combination tool comprising a handle, a pair of straight legs, each being formed at one end to provide a

point and with diametrically opposed laterally extending contact points at a spaced distance from the pointed extremity thereof, and means connecting the legs with



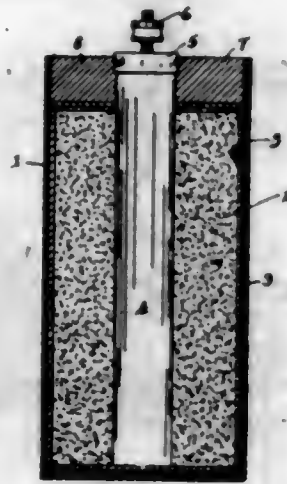
the handle for maintaining the legs parallel with each other and with the handle and perpendicular to a line drawn between the pointed ends of said legs.

1,515,944. GAS HEATER. JAMES T. FLOWER, Jr., and PARK A. SMITH, Akron, Ohio. Filed June 3, 1922. Serial No. 565,537. 1 Claim. (Cl. 126-82.)



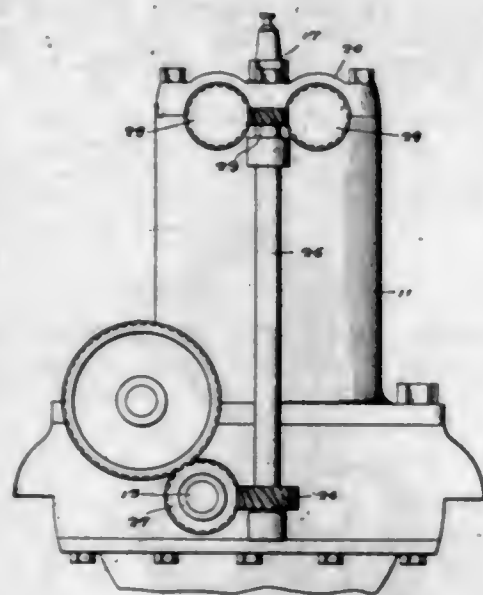
In a device of the character described, a body formed of a mass of plastic material, and with hollow portions formed with holes to permit the escape of air expanding under the influence of heat, a portion of the front of said body being formed flat and recessed, vertical partitions extending across the recess for defining a plurality of compartments, radiant mantles fitting within said flat portion and closing the recess, said mantles engaging against the partitions and covering the compartments, and a burner structure located within the lower portion of the body and having jets communicating with said radiant mantles.

1,515,945. COATED DRY CELL AND PROCESS OF MAKING THE SAME. HARRY F. FRENCH, Fremont, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed June 30, 1919. Serial No. 307,574. 2 Claims. (Cl. 136-38.)



1. In a dry cell, a zinc container electrode, and a layer of notocellulosic material directly adherent to the exterior surface of the sides and bottom of the container electrode.

1,515,946. GAS ENGINE. JESSE H. GILES, Ogden, Utah, assignor to Giles Motor Company, Ogden City, Utah, a Corporation of Utah. Filed July 30, 1923. Serial No. 654,716. 2 Claims. (Cl. 123-197.)



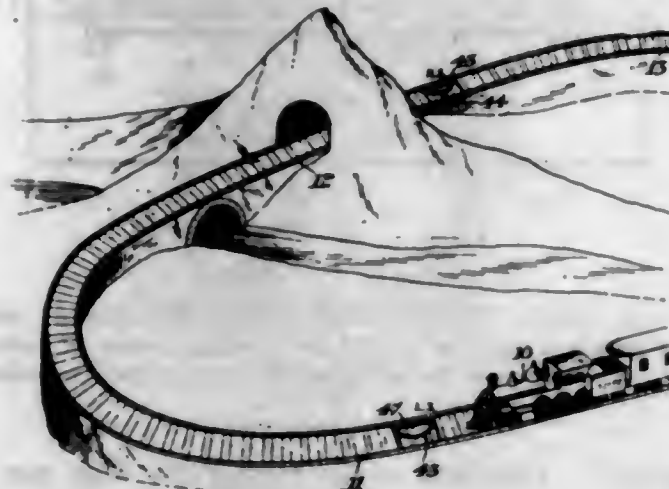
1. In a motor, a cylinder, a piston arranged to reciprocate therein, a crank shaft off set with relation to the vertical axis of the cylinder a distance equal to the length of the crank of the shaft and being arranged in alignment with one side wall of the cylinder, and a connecting rod associated with the piston and said crank shaft.

1,515,947. PROCESS FOR TREATING COCOA BEANS. JOHN A. HALL, Victoria, British Columbia, Canada. Filed Nov. 16, 1921. Serial No. 515,736. 4 Claims. (Cl. 87-6.)

1. A process for the removal of the natural fat from cocoa beans, which comprises roasting and grinding

the beans, then subjecting the mass to the action of heat, and a mild alkali solution, drying the mass after such heat treatment and then dissolving and removing the fat therefrom in a suitable solvent.

1,515,948. TOY LOCOMOTIVE. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Jan. 6, 1920. Serial No. 349,801. Renewed Feb. 23, 1924. 10 Claims. (Cl. 246-182.)



5. In a toy, the combination of a movable body, a track therefor, means including a high gear mechanism and a low gear mechanism for propelling said body along said track, means to shift said propelling means from one speed to another, and a plurality of means fixed to said track for respectively operating said shifting means from high speed to low speed and from low speed to high speed.

1,515,949. AIR-CLEANING MATERIAL AND PROCESS OF MAKING THE SAME. CHESTER P. HEGAN, Louisville, Ky., assignor to Reed Air Filter Company, Louisville, Ky., a Corporation of Kentucky. Filed Mar. 27, 1924. Serial No. 702,405. 10 Claims. (Cl. 183-44.)

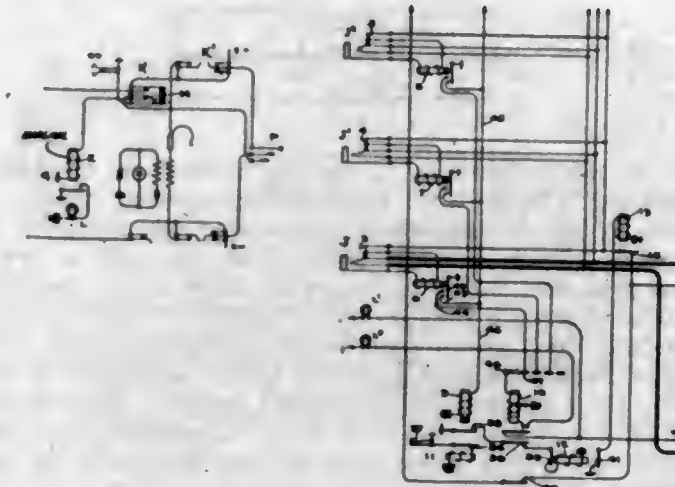


9. A filter cell comprising an open frame, foraminous sheets covering the faces of said frame, and a body of metal fiber filling said frame, said metal fiber being of progressively increasing density from the inlet towards the outlet face of said cell and the individual fibers of said metal fiber being coated with and bonded together by a lead-antimony alloy.

1,515,950. METAL POLISH. HARRY HILDENBRAND, New York, N. Y. Filed Apr. 1, 1920. Serial No. 370,473. 1 Claim. (Cl. 87-5.)

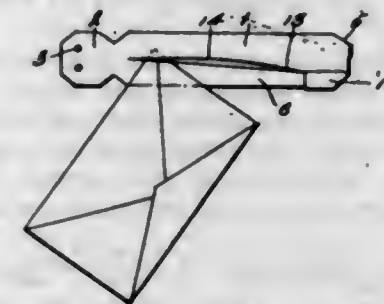
A metal polishing composition composed of the following ingredients substantially in the proportions given, viz., 16 parts marble dust, 16 parts water, 1 part aqua-ammonia, 18 parts kerosene, 2 parts acid oleic and 1 part lemon-oil.

1,515,951. AUTOMATIC TELEPHONE SYSTEM. JOHN H. HOMRIGHOUS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1919. Serial No. 300,277. 18 Claims. (Cl. 179-27.)



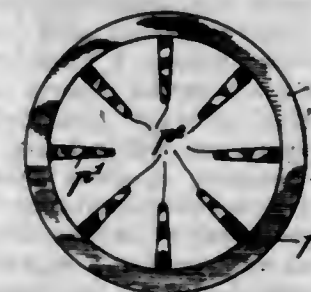
2. In a telephone system, a trunk line having an automatic switch at one end thereof, and multiple terminals at the other end thereof, an impulse sender associated with said multiple terminals, and means controlled by the seizure of each of said terminals for causing said impulse sender to automatically transmit a different series of impulses over said trunk line to operate said automatic switch.

1,515,952. ENVELOPE OPENER AND FINGER-NAIL CLEANER. FREDERICK W. JOELL, Hamilton, Bermuda. Filed Oct. 7, 1920. Serial No. 415,434. 6 Claims. (Cl. 120-85.)



4. An envelope opener comprising a flexible body portion having oppositely disposed V-shaped notches in the longitudinal edges thereof, adjacent one end to equip said end of the body portion with an end tab, said body portion being provided with a longitudinally extending slit to provide a flexible blade, one of the said notches providing the blade with a point, a laterally extending tongue on said tab, and the tab being adapted to be bent upon one side of the body portion and the tongue upon the other side to provide a pocket for the reception of the free end of the blade.

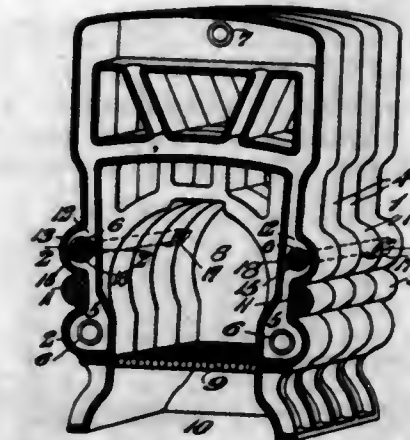
1,515,953. CENTRIFUGAL CASTING APPARATUS. SIEGFRIED JUNGHANS, Villingen, Germany. Filed Apr. 28, 1923. Serial No. 635,344. 8 Claims. (Cl. 22-65.)



2. A mould for centrifugal casting comprising a hollow receptacle; and means in said receptacle spaced from the wall for evenly distributing the metal to be cast and means for providing a longitudinal slit in the casting.

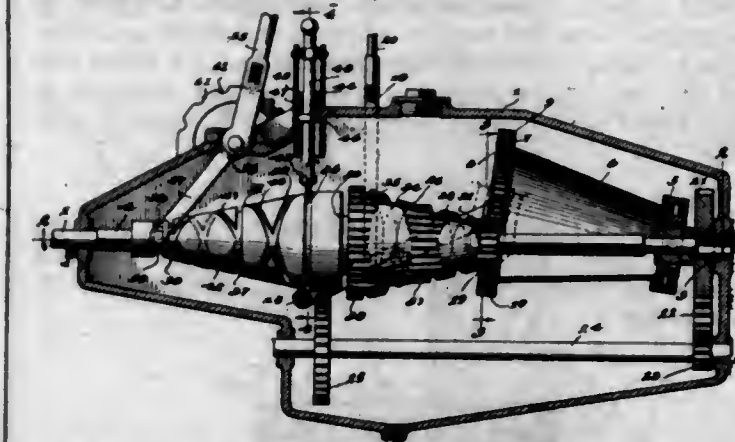
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1,515,954. COMBINATION ELECTRIC AND COAL BOILER. CHARLES R. KLINE, Reading, Pa. Filed Feb. 14, 1923. Serial No. 618,890. 9 Claims. (Cl. 219-19.)



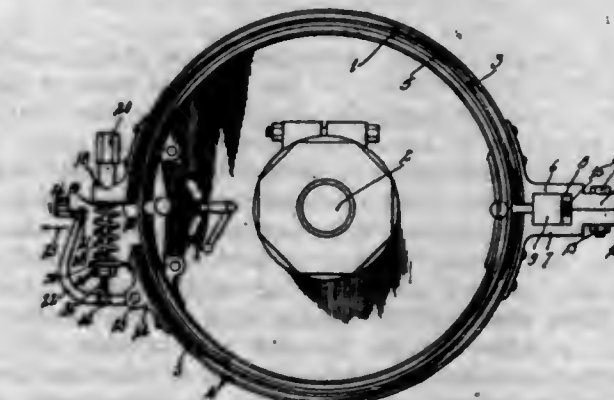
1. In a device of the character stated, water holding sections, provided with a grate, an electrical heating element positioned in said sections, and comprising a casing, surrounded by water except at its front end, and containing a core and a resistance coil, a support on one of said sections for said casing, the outer end of the latter protruding through the front section and movably secured therein, and a tightfitting closure for the outer end of said casing.

1,515,955. TRANSMISSION. AUSTIN P. KNILL, Woodbine, Md. Filed July 13, 1923. Serial No. 651,339. 19 Claims. (Cl. 74-58.)



1. A device of the character described comprising a driving member, longitudinally spaced gears carried by the driving member, a driven member, a gear carried by the driven member and adapted for swinging movement, means for shifting the driving member to mesh the different gears carried thereby with the gear of the driven member, and means engageable with and operable by the driving member for swinging the gear carried by the driven member.

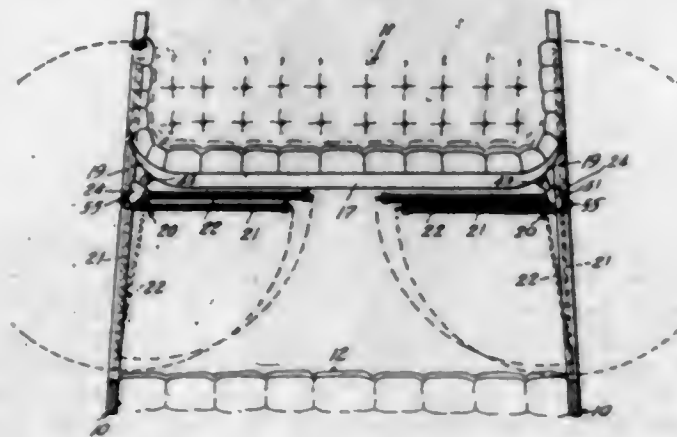
1,515,956. BRAKE-BAND CONSTRUCTION. GEORGE ROBERT LE MAIRE, Central City, Ky. Filed Dec. 20, 1923. Serial No. 681,832. 3 Claims. (Cl. 188-77.)



1. A brake band comprising an anchor block, a pair of cooperating clamping and supporting members secured to one another and movably attached to said anchor

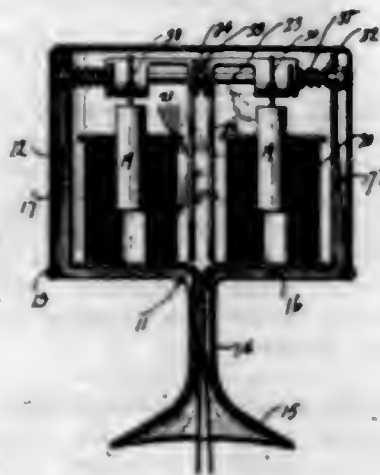
block, a pair of segmental brake bands substantially semi-circular in contour, one attached to each of the cooperating clamping and supporting members, and means for drawing the opposite ends of said segmental band toward one another at will.

1,515,957. AUTOMOBILE WINDSHIELD. ARTHUR C. LALLIE, Los Angeles, Calif. Filed Jan. 31, 1921. Serial No. 441,240. 2 Claims. (Cl. 298-85.)



2. An adjustable vehicle shield, embodying a supporting bracket, a pair of shield members each pivotally mounted at its lower side and at a vertical edge on the bracket, the two members being so mounted at spaced pivotal points; a vertical brace rod rigidly mounted on the bracket near the vertical edges of the shield members, a plate rigidly carried by the upper end of the brace rod, and the two shield members being pivotally mounted at their upper sides and at their said vertical edges in said plate.

1,515,958. DIRECTION INDICATOR FOR MOTOR VEHICLES. RUSSELL E. LUNDAY, Butte, Mont. Filed June 14, 1920. Serial No. 388,895. 2 Claims. (Cl. 177-327.)



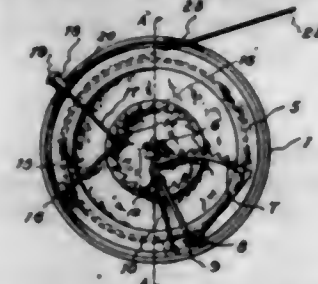
1. In a signal for motor vehicles, a base plate, a pair of upstanding arms carried by the opposite ends of the base plate, a pair of solenoids secured to the base plate, a cover arranged to house said solenoids and arms, a transversely extending shaft carried by the upper terminals of the arms, cores for said solenoids, cylindrical barrels rotatably mounted upon said shaft, thrust washers carried by the central portion of said shaft, means for limiting the inward movement of said washers, said barrels being arranged to engage said thrust washers, indicating pointers carried by said barrels, and spring means coiled around said shaft adjacent to the terminals thereof and engaging said arms and the outer ends of said barrels for normally holding said barrels in engagement with the thrust washers and the arms in their lower non-exhibiting position.

1,515,959. DEVICE FOR OPENING CAN OR BOX COVERS. ALEXANDER R. MANN, Montreal, Quebec, Canada. Filed Apr. 21, 1923. Serial No. 633,648. 3 Claims. (Cl. 220-43.)



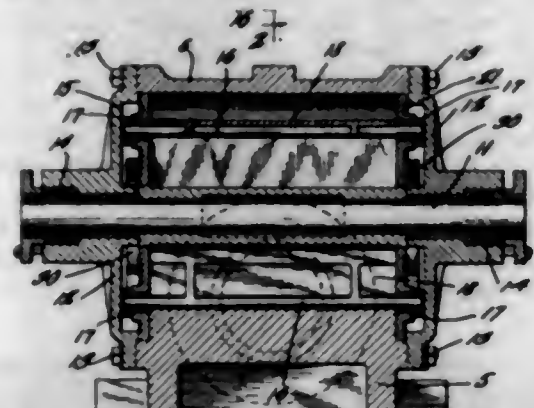
1. A box comprising a bottom having an upwardly projecting rim and an outwardly projecting flange, a cover having a downwardly projecting rim adapted to frictionally engage with the bottom rim and a lever hinged to the cover rim to swing to a folded position against the said rim or to an operative position substantially at right angles to the rim, said hinge connection being designed to permit rotary movement of the lever when in the last mentioned position so that the bottom corners of the lever may be engaged with the flange to act as a pivot point for raising the lid on the rotation of the lever.

1,515,960. AUTOMATIC REEL. BELLE PARKS METTREAS, De Beque, Colo. Filed Apr. 1, 1924. Serial No. 703,370. 3 Claims. (Cl. 242-07.)



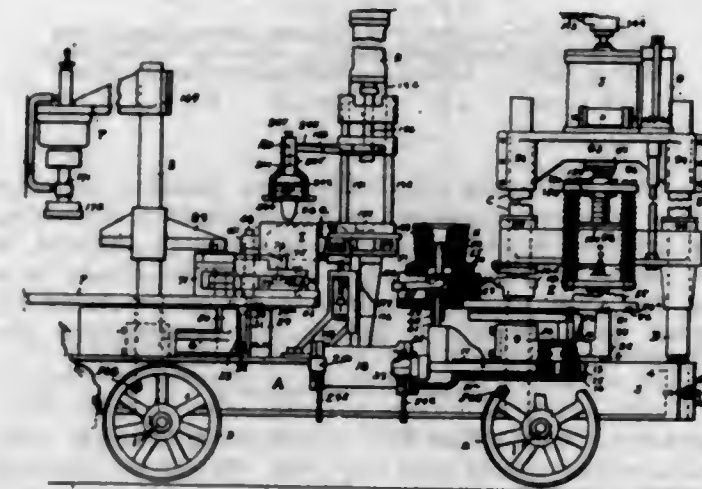
1. In an automatic reeling device, a drum, an internal toothed ratchet wheel secured to said drum, a releasing pawl coacting with said drum and carried by a flat spring member, and a releasing push rod coacting with said flat spring to force said pawl inward toward the center of said drum to release said ratchet wheel.

1,515,961. ROTARY PUMP. RALPH J. MEYER, Denver, Colo. Filed Oct. 4, 1923. Serial No. 666,571. 2 Claims. (Cl. 103-140.)



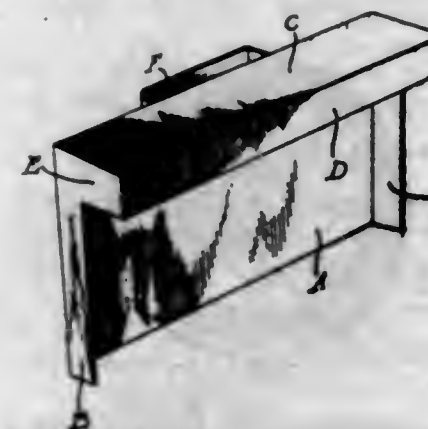
1. In a rotary pump construction, a base, a circular chamber disposed above the base and having an inlet opening and an outlet opening, a rotor within the circular chamber, said rotor having pockets formed therein, pistons having shafts, pivotally supported adjacent to the pockets, said shafts extending beyond the ends of the rotor, spring securing members mounted on the extended ends of the shafts and having hook portions, spring members having one of their respective ends secured to the ends of the rotor, the opposite ends of the spring members being extended at right angles and engaged within the hook members of the securing members to normally move the pistons to their active positions, and said pistons adapted to move within the pockets of the rotor.

1,515,962. APPARATUS FOR FORMING ARTICLES OF GLASS. WILLIAM J. MILLER, Swissvale Borough, Pa. Filed Oct. 18, 1919. Serial No. 331,018. 23 Claims. (Cl. 49-9.)



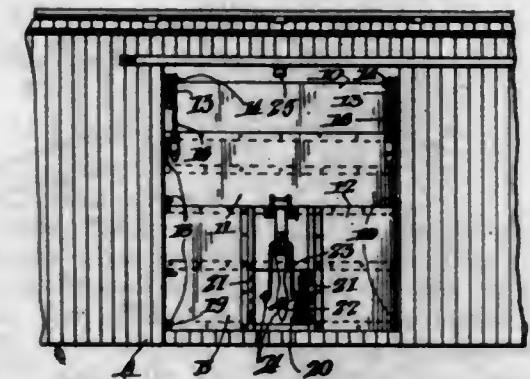
17. A device for transferring parisons from a parison mold to a finishing mold comprising coacting parison grasping jaws, a support upon which said jaws are carried, a fluid pressure mechanism adapted to move said support horizontally, a second fluid pressure mechanism adapted to move said support vertically, means whereby the operation of one of said mechanisms controls the operation of the other mechanism, whereby the jaws are elevated from the parison mold, moved toward the finishing mold, and moved to the parison mold on the lower level, the first named mechanism being inoperative when the jaws are started upwardly from the parison mold but being actuated by the elevation of the jaws, and the second named mechanism being rendered inoperative by the action of the first named mechanism in moving the elevated jaws in the direction of the finishing mold but being again actuated to lower said jaws as they approach the vertical plane of the finishing mold, and said second named mechanism being inoperative while the lowered jaws are being moved by the first named mechanism from the finishing mold to the parison mold.

1,515,963. RADIATOR COVER. REGINALD LISTER MORRELL, Chicago, Ill. Filed Feb. 4, 1924. Serial No. 690,577. 1 Claim. (Cl. 237-79.)



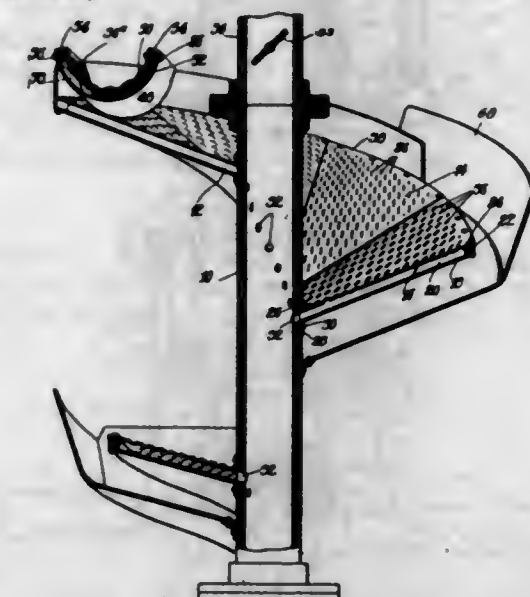
A radiator cover comprising a single sheet of metal, including a back portion, integral end portions, and an integral box-like top portion connected with said end portions and arranged to fit over the top of a radiator, and a water pan having a side, a bottom, and end portions, said end portions and said bottom portion being secured to the back of the radiator cover below the top edge thereof.

1,515,964. GRAIN DOOR FOR BOX CARS. JOHN ALEXANDER O'ROURKE, Carbon, Alberta, Canada. Filed Nov. 25, 1922. Serial No. 603,362. 1 Claim. (Cl. 189-46.)



In a grain car door, the combination with a car door having a door opening, of a door formed in sections, the top section being provided with arms adapted to pivotally engage with lugs on the car body to swing the section inwardly, the middle and lower sections being hinged to one another, and the middle section having means similar to the arms on the top section and adapted to engage with lugs on the car body whereby said middle and lower sections are adapted to be folded and swung inwardly, means carried by the car roof for supporting said inwardly swung sections, and means on the door jambs adapted to engage with means on the said sections to hold the latter securely in extended position forming the plate door.

1,515,965. AIR SPIRAL. FRANK PARDEE, Hazleton, Pa. Filed Oct. 25, 1922. Serial No. 596,707. 11 Claims. (Cl. 83-54.)

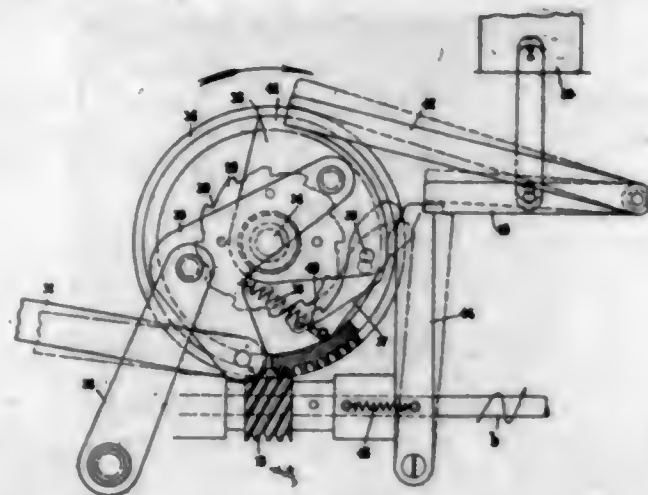


2. A separator having a spiral runway which is perforated to permit the discharge of a fluid along the runway to assist in the separation of the material traveling thereon.

1,515,966. MOTOR DRIVE FOR CALCULATING MACHINES. FRANZ RAUCHWETTER, deceased, late of Berlin-Friedenau, Germany; by Anna Rauchwetter, née Böhme, administratrix, Berlin-Friedenau, Germany; Alfred Flater present administrator of said Franz Rauchwetter, deceased. Filed May 10, 1921. Serial No. 471,016. 2 Claims. (Cl. 235-62.)

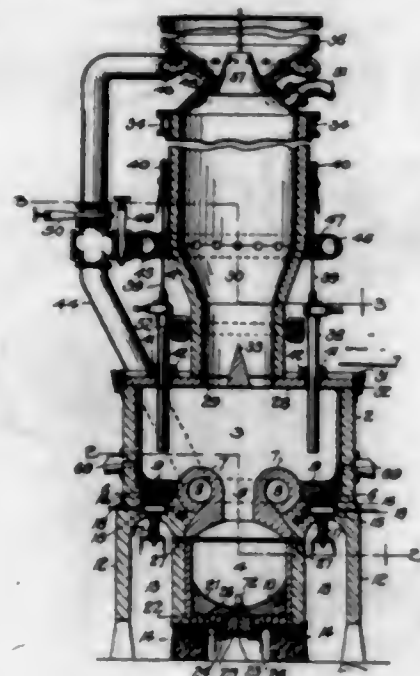
1. A motor drive for calculating machines, comprising, in combination, a continuously rotating shaft, a worm affixed to the shaft, a worm-wheel meshing with the worm, an axle carrying the worm-wheel, a disk arranged loosely on said axle, means to couple the disk periodically

with said axle, a bell-crank lever hinged at one of its ends to said disk, an oscillatable arm hinged to the machine frame and supporting the bell-crank lever in the



middle part thereof, and a rod hinged to the other end of said bell-crank lever and being adapted to transmit motion to another part of the respective calculating machine, as set forth.

1,515,967. **ELECTRIC FURNACE.** HARRY C. REAGAN, Boulder, Colo. Filed Feb. 24, 1920. Serial No. 360,567. 30 Claims. (Cl. 204-64.)

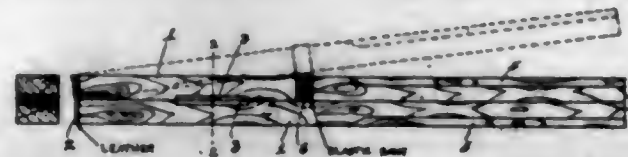


1. In an electric furnace, a broken circuit, and two conductive hearths placed in a chamber of the furnace one of which is cupped to retain a portion of the material under treatment and disposed with relation to the other to overflow thereinto, the hearths being connected at opposite sides of a break in the circuit to permit of material on one overflowing onto the other, and connected in the circuit for the passage of electricity between them.

1,515,968. **PROCESS FOR PURIFYING LIQUIDS.** ELOI RICARD, Melle, France, assignor to Société Ricard, Allenet & Cie., Melle, Deux-Sevres, France. Filed Dec. 24, 1921. Serial No. 524,763. 4 Claims. (Cl. 127-48.)

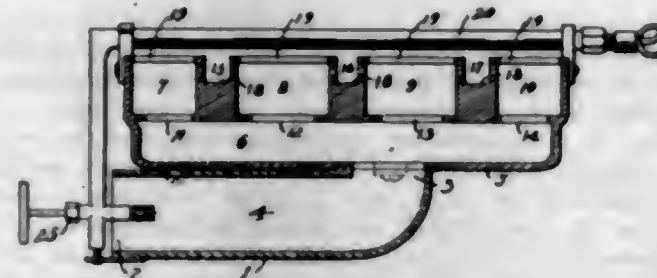
1. A process of purifying liquids of various kinds which consists in adding a water soluble alginate to the liquid, and means to precipitate alginate acid, so as to form a precipitate in the mass of the liquid.

1,515,969. **DETONATING TOY.** BENJAMIN M. ROOF, Lima, Ohio. Filed Mar. 8, 1922. Serial No. 542,001. 5 Claims. (Cl. 46-46.)



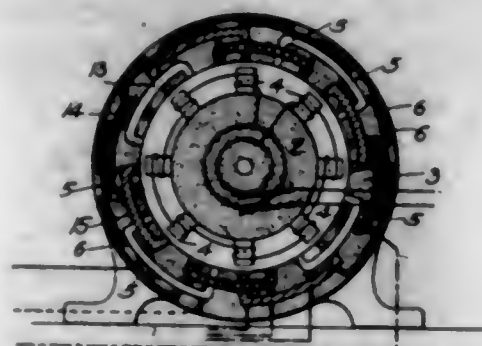
1. The detonating toy comprising parallel members hinged together at one end and provided with detonating cap gripping surfaces between the members adjacent to the hinged ends and at points between the hinged ends and free ends of the members, said members being extended to constitute a handle for manipulating the device.

1,515,970. **OIL BURNER.** CHARLES A. SAWYER, San Jose, Calif. Filed Mar. 17, 1924. Serial No. 699,752. 1 Claim. (Cl. 158-65.)



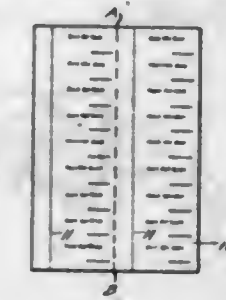
An oil burner comprising in combination, a primary mixing chamber having an air inlet end and a gas discharge end, means for introducing fuel oil into said air inlet end, and a single casting mounted on said mixing chamber and consisting of a secondary chamber arranged upon said primary chamber in parallel relation thereto and communicating therewith at a point intermediate its ends, and a plurality of spaced burner head chambers arranged crosswise of said secondary chamber and communicating therewith, the upper wall of said secondary chamber being recessed a distance below the upper surface of said burner head chambers whereby to permit the free passage of air therethrough.

1,515,971. **ELECTRIC GENERATOR.** GEORGE H. SETHMAN, Denver, Colo., assignor of one-half to Charles W. Thurlinger, Denver, Colo. Filed Sept. 7, 1920. Serial No. 408,635. 8 Claims. (Cl. 171-252.)



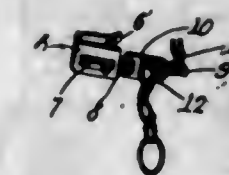
1. In an electric generator having field and armature members one of which rotates with relation to the other, a series of field-pole pieces spaced at substantially equal distances the space between them exceeding the width of any one of said pole pieces, and a series of interconnected armature coils each having portions in the armature surface interacting with the poles the portions of each coil of the series being separated from each other and from the active portions of the adjacent coils by spaces substantially equal to the distances between the centers of any two adjacent field poles.

1,515,972. **METHOD OF MAKING PADS OF CHECKS OR THE LIKE.** JOHN F. SHOENAKER, Chicago, Ill. Filed Jan. 8, 1923. Serial No. 611,307. 2 Claims. (Cl. 281-1.)



1. A method of making pads of checks, comprising the printing on sheets of paper of suitable matter for making blank checks or the like, the arranging of the sheets in piles, the cutting of the sheets into pads having thereon several checks or the like, the gluing of one edge of a pad thus made, the forming of a strip having a series of equidistantly spaced holes of angular outline arranged longitudinally of the strip, the cutting of the strip along a line through said holes into smaller strips, thus forming notches therein, the placing of one of said smaller strips with its straight edge adjacent to the glued edge of the last-named pad, the fastening of the smaller strip adjacent to one edge thereof to such pad, and the cutting of the last-named pad into pads of individual checks along lines passing through the notches therefore formed in the smaller strip thereby providing pads each with a tongue having diagonal edges.

1,515,973. **HOPPLE FOR COWS.** NIELS C. SIMONSEN, Sioux Rapids, Iowa. Filed Aug. 13, 1924. Serial No. 731,798. 1 Claim. (Cl. 119-128.)



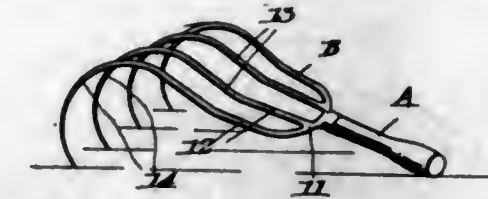
A hopple including clamping members, a link pivotally connected with one of the clamping members, said link having a tongue stamped therefrom to provide an opening, a securing chain having one end thereof secured to one of the clamping members, the opposite end of the chain adapted to be passed through the opening, and said tongue adapted to extend through one of the links of the chains to lock the chain against movement.

1,515,974. **DETACHABLE SNAP BUTTON OR SPRING STUD.** GEORGE K. SMITH, New York, N. Y. Filed Nov. 1, 1920. Serial No. 421,199. 4 Claims. (Cl. 24-101.)



1. A fastening device for overlapping flaps comprising eyelets secured to said flaps and a removable stud having an enlarged base, reduced neck portions and enlarged cupped head portions, said head and neck portions being laterally resilient to permit entry of the head portions through the eyelets.

1,515,975. **HAND STOOKING HOOK.** HENRY SMITH, Moose Jaw, Saskatchewan, Canada. Filed May 23, 1921. Serial No. 472,028. 1 Claim. (Cl. 294-49.)



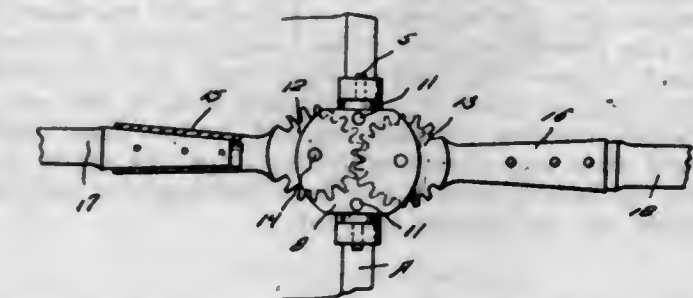
A stooking hook comprising a handle, a plurality of hook-shaped tines connected thereto, spaced from each other and formed with an inner portion in the same plane as the handle, an intermediate portion inclined upwardly from the inner portion, an outer portion semi-circular in shape, the outer ends being tapered to a point substantially parallel to the inclined portion whereby a sheaf carrying pocket is formed.

1,515,976. **PROCESS FOR IMPARTING TO INTERNALLY-SECRETING GLANDS, SEPARATED FROM THE ORGANISM, A RELATIVELY LARGE QUANTITY OF ACTIVE SUBSTANCES.** LINA STERN and FRÉDÉRIC BATTELLI, Geneva, Switzerland. Filed Nov. 19, 1923. Serial No. 675,787. 7 Claims. (Cl. 167-7.)

1. A process for imparting to internally secreting glands separated from the organism a relatively large quantity of active substances (hormones), consisting in causing the glands, separated from the organism at a temperature of about 40° C. and in the presence of oxygen, to subsist in the blood derived from an animal of the same species as that from which the gland was derived.

7. The process of obtaining adrenalin consisting in separating the supra-renal capsules of an animal as quickly as possible after its death, cutting them in slices, suspending them in a quantity of the blood of the animal, maintaining the mixture at a temperature of about 40° C. and passing oxygen therethrough as long as the glands continue to live, and finally isolating the resultant adrenalin.

1,515,977. **BOW-FACING OAR.** RUDOLPH HENRY STOBBE, St. Clairsville, Ohio. Filed July 28, 1924. Serial No. 728,693. 1 Claim. (Cl. 9-25.)

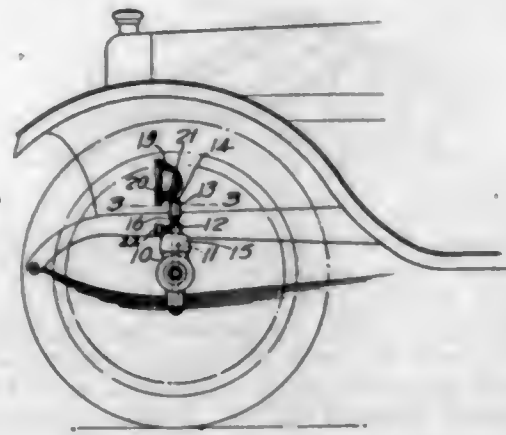


An oar structure comprising brackets, a shaft journaled therein and provided at its ends with flanges which bear against the brackets, spaced plates mounted upon the shaft between the flanges, and intermeshing gear segments journaled between the plates and having sockets for the reception of oar sections.

1,515,978. **DIRIGIBLE HEADLIGHT FOR AUTOMOBILES.** LUCILE R. K. TALIAFERRO, New York, N. Y. Filed Oct. 17, 1922. Serial No. 595,196. 3 Claims. (Cl. 240-62.)

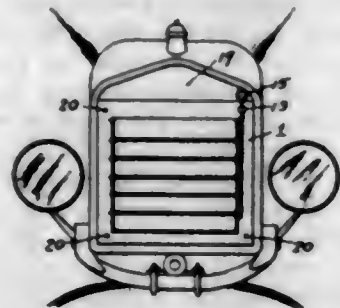
1. In combination with the steering mechanism of a motor car comprising a knuckle having an upper bearing and a pivot passing through such bearing and ex-

tending above the same a short distance, a symmetrical lamp supporting sleeve slidable upon said pivot extension and fixed thereto to rotate with such extension



when the pivot is rotated in steering the car, a lamp mounted on said sleeve concentrically with said pivot, and a spring on which the sleeve rests.

1,515,979. AUTOMOBILE RADIATOR SHIELD. JASON G. TUBBS, Richford, N. Y. Filed Dec. 18, 1922. Serial No. 607,572. 2 Claims. (Cl. 257-132.)



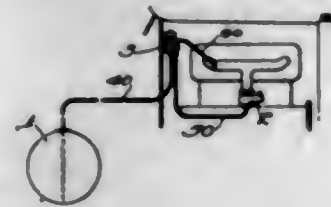
2. An automobile radiator shield of the character described comprising a one piece frame secured at its corners to the front of the core of the radiator, inwardly extending flanges integrally formed on the inner edge of the sides of the frame and being provided with spaced vertically arranged aligned openings, wires received in the openings which provide bearings therefor, a shutter depending from each wire having its upper edge crimped thereabout to form a securing means between the shutter and wire respectively, said wires having cranked portions formed on one end, spaced studs upon the elongated strip engaging openings in the crank ends of the wire, a handle member pivotally secured to the upper end of the strip and means projecting from the frame to guide the handle member and to retain it in any desired position for the purpose specified.

1,515,980. LACE FOR BOOTS, SHOES, AND OTHER ARTICLES. CECIL BRUCE WALROND, Auckland, New Zealand. Filed Jan. 29, 1923. Serial No. 615,689. 1 Claim. (Cl. 24-143.)



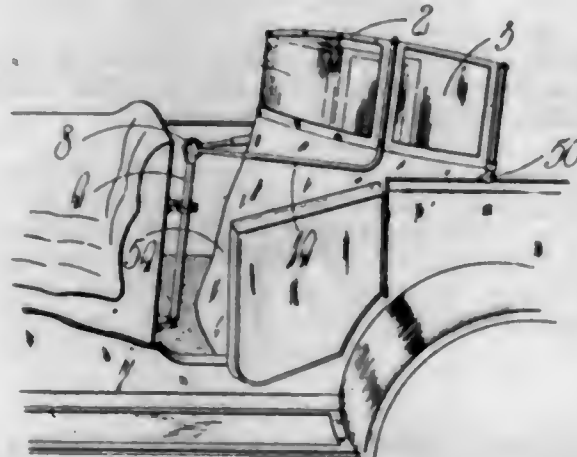
A method for making laces, comprising impregnating an entire fabric lace with a rubber solution, longitudinally doubling over, and rolling, the ends only of the lace, before the rubber solution has set, and subsequently vulcanizing the said rolled ends.

1,515,981. PUMPING DEVICE FOR FUEL FEEDING TO INTERNAL-COMBUSTION ENGINES. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 2, 1922. Serial No. 565,469. 6 Claims. (Cl. 103-40.)



1. A fuel pumping device for supplying internal combustion engines on a road vehicle, comprising in combination with a fuel receptacle, a pumping means therein consisting of a pump cylinder and a piston therein apertured for delivery of liquid thereto; intake valves at the bottom of the cylinder and at the inner end of the piston respectively, the pump cylinder having a vent and inlet above the intake valve thereof; valve means for controlling said vent and inlet and means operated by change of liquid level in the receptacle for opening the vent at a predetermined high level thereof.

1,515,982. WINDSCREEN FOR ROAD VEHICLES. ROBERT CHARLES WILLARD, Birmingham, England. Filed Nov. 7, 1922. Serial No. 599,549. 6 Claims. (Cl. 296-85.)

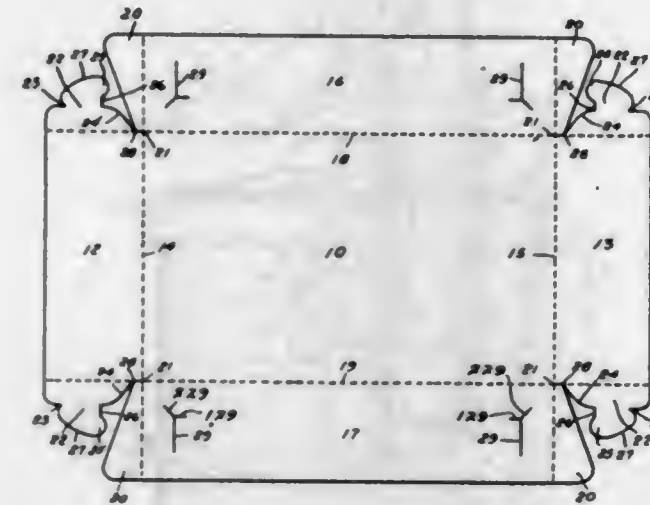


1. A wind screen for road vehicles comprising a plurality of panels of transparent flexible material, a flexible framework surrounding each transparent panel, butt hinges connecting said panels together to permit the panels to fold in one direction but not in the other, and means carried by the end panels for securing said screen to the sides of the vehicle.

1,515,983. BOX BLANK AND BOX MADE THEREFROM. ELI P. WILLIAMS, McPherson, Kans. Filed July 16, 1921. Serial No. 485,405. 5 Claims. (Cl. 229-35.)

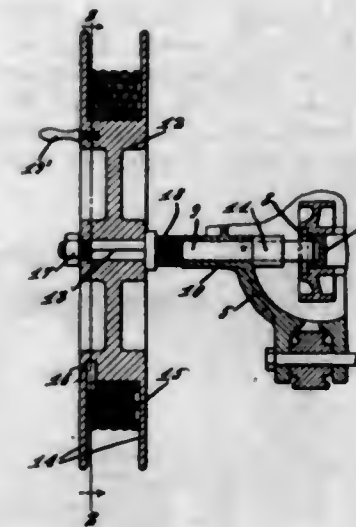
5. A box blank having side walls and end walls, a tongue extending from one of the box walls, at each corner of the blank, having cut-away portions or notches to form the head and neck of the tongue, the other box wall near each corner of the box having a transverse slit, a horizontal slit at the inner end of the transverse slit and a slitted portion extending away from the angle formed by the transverse and horizontal slit, the head of the tongue being projectable through the opening formed by the slits in the adjacent box wall, the neck of the tongue being located in the transverse slit with the bottom edge of the neck of the tongue resting on

the edge of the horizontal slit, the width of the neck being approximately equal to the length of the transverse slit so that when the parts are in position with



the tongue resting on the edge of the horizontal slit, the tongue will be held against displacement from the slitted portion of the box which it engages.

1,515,984. CRANK. HUGH H. WILLIS, Culpeper, Va. Filed Feb. 17, 1923. Serial No. 619,702. 1 Claim. (Cl. 74-33.)

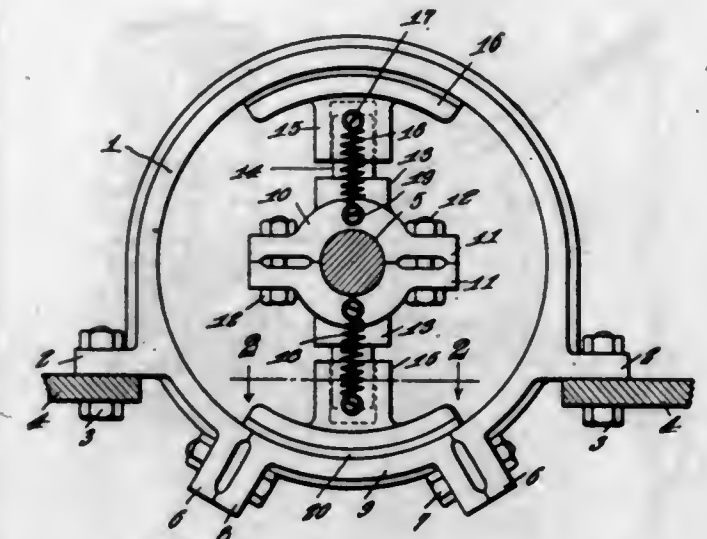


In a cranking device for internal combustion engines, a bearing member, a cranking shaft mounted in the bearing member and carrying a transversely extending pin at one end thereof, said pin adapted to be positioned in one end of a crank shaft to transmit movement of the cranking shaft to the crank shaft, a sleeve on the cranking shaft, and adapted to engage one edge of the bearing, said sleeve adapted to be engaged by the pin to restrict movement of the cranking shaft within its bearing, means on the cranking shaft for rotating the crank shaft, and means for normally urging the cranking shaft to its inactive position.

1,515,985. CENTRIFUGAL BRAKE OR SPEED CONTROL. THOMAS EUGENE WRIGHT, Jersey City, N. J. Filed Dec. 26, 1923. Serial No. 682,740. 2 Claims. (Cl. 188-185.)

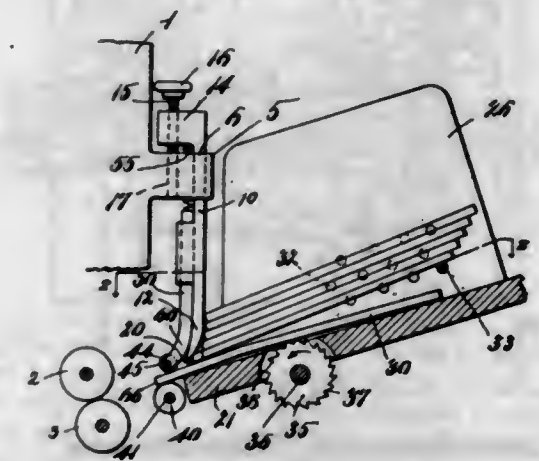
2. The combination with a stationary brake member including detachably connected arcuate sections cooperating to provide a circular inner surface, and means extending from one of said sections for fastening the stationary brake member to the support, of opposed collar sections, means for clamping them upon a shaft con-

centric with said circular face, arms radiating from the collar sections, brake shoes, means extending from the shoes for slidably engaging the arms, and yielding



connections between the sleeves and the collar sections for holding the shoes normally disengaged from the stationary brake member.

1,515,986. AUTOMATIC FEEDING APPARATUS. WALLACE C. WRIGHT, Brookfield, N. H., and FRANK W. MERRICK, Boston, Mass., assignors, by direct and mesne assignments, to American Shoe Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 3, 1921. Serial No. 434,756. 12 Claims. (Cl. 271-41.)

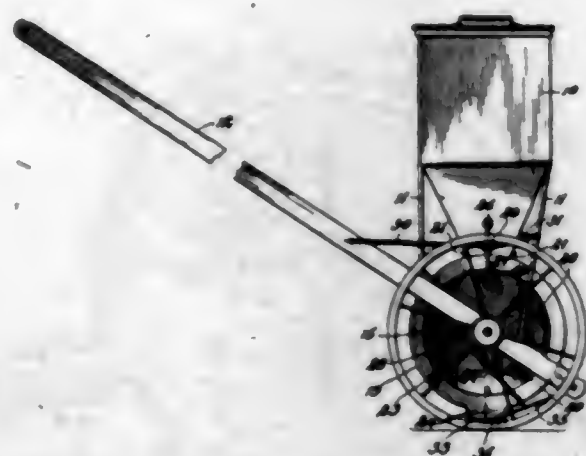


1. Apparatus of the kind described, comprising a blank holding receptacle, an adjustable guard to predetermine a throat to which the lowermost blank is intended to be fed, feeding means to act upon the blank, and an adjustable support cooperating with said blanks and the guard positioned and arranged to effect a preliminary separating action between the blank to be fed and the remaining blanks in the apparatus.

1,515,987. DEVICE FOR MARKING ATHLETIC FIELDS. MELVIN ALLISON, Decorah, Iowa. Filed Sept. 17, 1923. Serial No. 663,290. 12 Claims. (Cl. 91-43.)

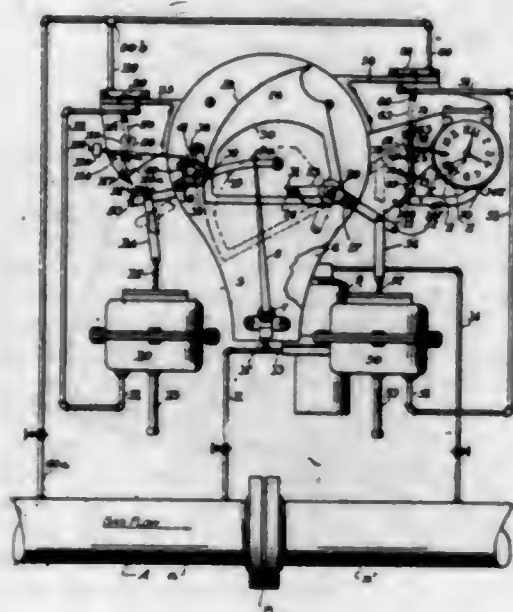
1. In a marker for athletic fields, the combination of a rotary drum, a housing partially enclosing the drum,

a hopper having an outlet in proximity to the upper surface of the drum, an agitator mounted within the



hopper, and means actuated by the rotation of the drum for moving the agitator.

1,515,988. INTEGRATING AND REGISTERING DEVICE FOR FLUID METERS. JAMES R. ARMSTRONG, Pittsburgh, and THOMAS B. WYLLIE, Bellevue, Pa. Filed Apr. 14, 1921. Serial No. 461,459. 19 Claims. (Cl. 235-61.)

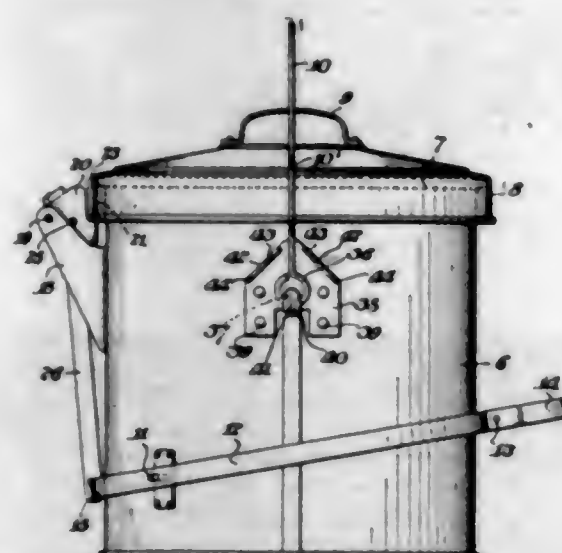


1. The combination with a fluid meter, of a registering mechanism, means for effecting the actuation of the registering mechanism at fixed constant periods of time, and a movable pressure actuated means for controlling the operation of the registering mechanism proportionately to the position to which the pressure actuated means is moved.

1,515,989. RECEPTACLE. WALTER D. BARNES, Germantown, Pa., assignor to General Pressed Metal Company, a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,549. 11 Claims. (Cl. 220-36.)

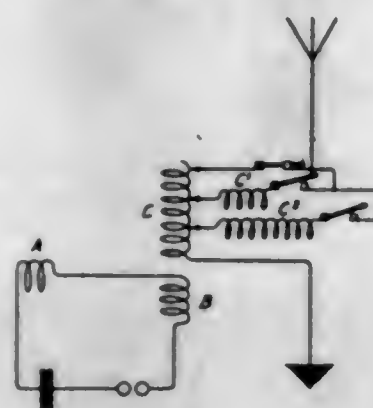
1. In combination with a receptacle, a cover therefor, having a flange adapted to surround the upper portion

of the side wall of the receptacle and a cover actuating member pivotally connected to the receptacle on a horizontal axis and provided with a recess for receiving the cover flange to cause its opening and closing movements.



zontal axis and provided with a recess for receiving the cover flange to cause its opening and closing movements.

1,515,990. WIRELESS TELEGRAPHY. RAYMOND DORRINGTON BANGAT, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed July 9, 1921. Serial No. 483,566. 2 Claims. (Cl. 250-17.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

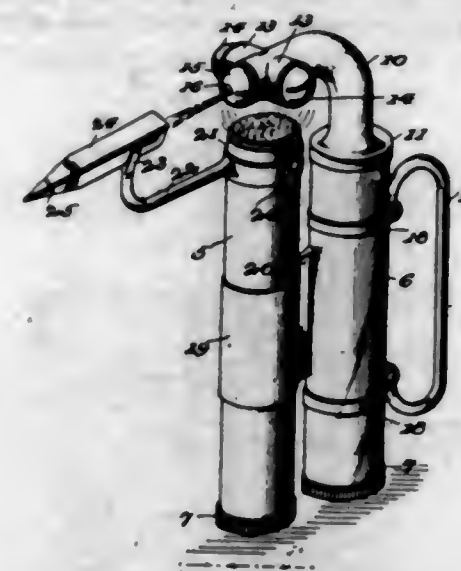


1. A wireless telegraph transmitter adapted to operate with varying lengths of aerial comprising a primary circuit having its inductance in the form of a variometer, a coil in said aerial coupled to said variometer and means for varying the coupling between the coil and variometer while maintaining the inductance constant.

1,515,991. TORCH. THOMAS H. BELL, JOHN J. HESLIN, and THOMAS F. DELANEY, New York, N. Y., assignors to The Delaney Heslin Products Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1923. Serial No. 661,088. 4 Claims. (Cl. 158-35.)

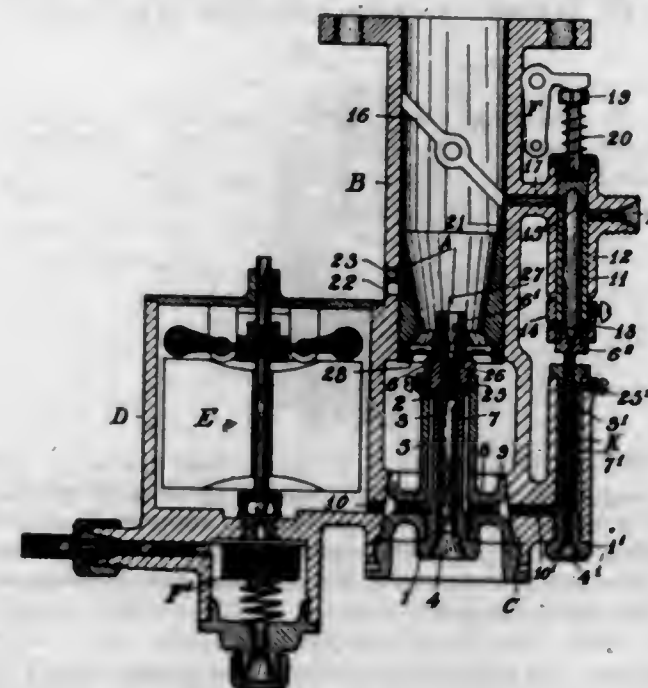
3. A device of the character described comprising a pair of containers, a discharge pipe joined to one of the

containers and overhanging the other container oppositely disposed extensions projecting laterally from the



sides of said overhanging portion near the end of the discharge pipe, closed at their outer ends, and an apertured plug covering the open end of said discharge pipe.

1,515,992. CARBURETOR. DANIEL BERTHELOT and HENRI GUILBAUD, Paris, France. Filed Sept. 16, 1919. Serial No. 324,093. 1 Claim. (Cl. 261-78.)

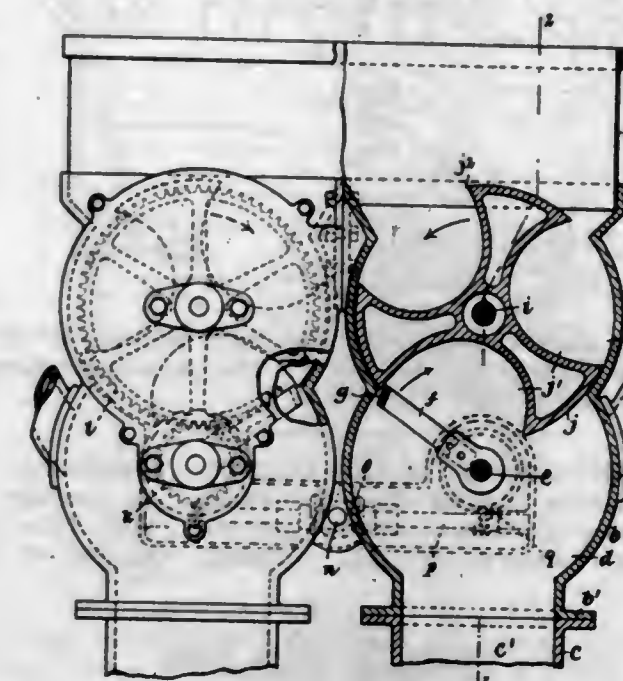


In a carburetor for an internal combustion engine a fuel nozzle comprising an outer fuel pipe, an inner air pipe, a hollow plug closing the end of the fuel pipe to leave an annular fuel spraying orifice, a hollow mouth-piece forming with the said plug and said inner pipe a mixing chamber, and means to vary the volume of the said mixing chamber, and a Venturi tube surrounding said mouth-piece and displaceable according to engine suction and means to connect said Venturi tube with said mouth-piece.

1,515,993. APPARATUS FOR FEEDING VISCOUS MATERIALS. BERTRAND E. BEYER, Paterson, N. J., assignor to General Norit Co., Ltd., New York, N. Y., a Corporation. Filed Oct. 12, 1922. Serial No. 594,224. 1 Claim. (Cl. 221-125.)

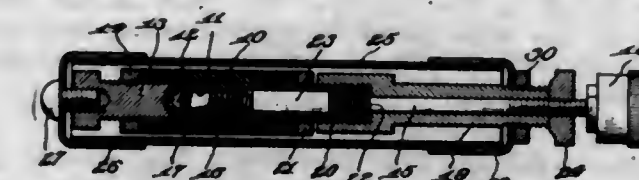
In combination, a rotary feeding member, a rotary clearer blade having its axis of rotation exterior of, but the circular path in which its extremity travels extending into, the space in which said member rotates, said member having a pocket for the plastic material to

be fed positioned therein so as to receive said blade, and means gearing said member and blade to rotate together in such relation and at such speed ratio that the blade will enter the pocket at regular intervals during



their rotation, said pocket having its surface forming with the peripheral surface of the feeding member and at the relatively following margin of the pocket an acute cutting edge.

1,515,994. OSCILLATION DETECTOR. ALBERT W. BOWMAN, Winthrop, Mass. Filed Apr. 4, 1923. Serial No. 629,802. 4 Claims. (Cl. 250-31.)

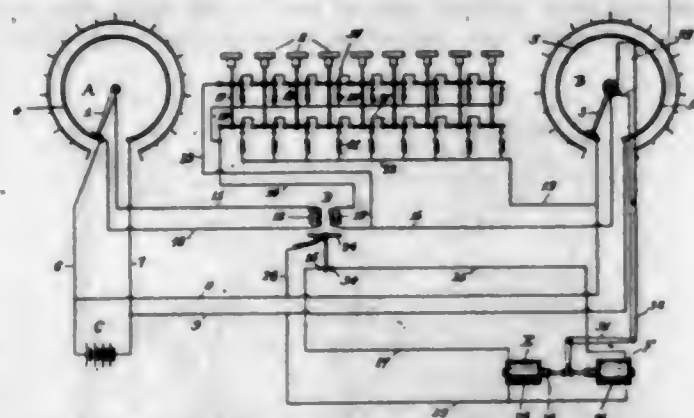


1. An oscillation detector comprising a member of insulation material, said member having a central longitudinal bore counterbored at one end, a crystal arranged in the counterbored end of said member, a plug of conducting material in threaded engagement with the counterbored end of said member and clamping said crystal against the bottom of the counterbore, a rod of conducting material longitudinally and rotarily movable in the opposite end of said member, a spiral of fine wire having one end secured to the inner end of said rod and its other end arranged eccentric to the axis of said spiral and in contact with said crystal near the outer edge of its exposed surface, said spiral closely fitting the central longitudinal bore in said member, and a head on the outer end of said rod whereby said rod may be rotated to change the point of contact of said wire with said crystal.

1,515,995. ELECTRIC MULTIPLYING MACHINE. JAMES W. BRYCE, Binghamton, N. Y., assignor to The International Time Recording Company of New York, a Corporation of New York. Filed Dec. 30, 1920. Serial No. 433,975. 10 Claims. (Cl. 235-61.)

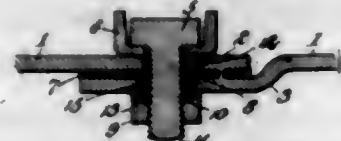
6. In an electric multiplying machine, a differentially movable element, a second differentially movable element,

a plurality of numeral keys, and electrical means controlled conjointly by the position of the first mentioned



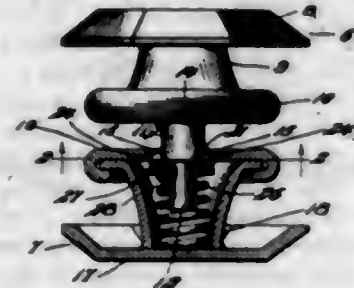
movable element and by the particular selection of keys for controlling the position of the second mentioned differential element.

1,515,996. TANK CONSTRUCTION. FERDINAND C. BUCHANAN, Kansas City, Mo., assignor of one-half to Andrew A. Kramer, Kansas City, Mo. Filed June 27, 1922. Serial No. 571,167. 2 Claims. (Cl. 220-5.)



1. In tank construction, a plurality of plates provided with marginal series of holes and adapted to overlap each other with the holes in alignment, bolts traversing the aligned holes, each bolt having the shank threaded from the head to the free end thereof with the shank of less diameter than the holes to permit the insertion thereof through holes which may be partially out of alignment, a nut adapted to be threaded onto the shank of each bolt and having its inner face provided with a concavity, and pliable packing placed around the shank of each bolt outside the overlapping plates and adapted to be directly forced by the nut into the space around said shank at the holes so as to fill the latter, into the threads of the bolt and into the concavity of the nut when the nut is tightened.

1,515,997. SEPARABLE BUTTON. CHRISTOPHER C. CHAPPELL, Apponaug, R. I. Filed Feb. 13, 1924. Serial No. 692,493. 3 Claims. (Cl. 24-109.)

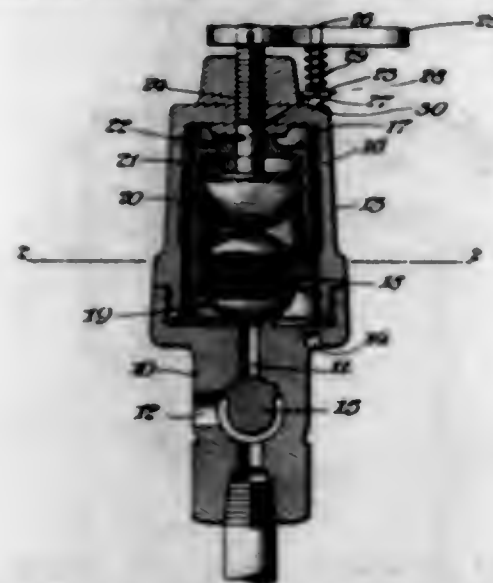


1. A separable button formed in two parts, each having a shank and a head, a post carried by one shank, lateral lugs on the post, a base plate on the other shank provided with a central hole to receive the post, and with slots extending radially from the hole to receive the lugs, and provided with internal seats adjacent the hole between the slots to accommodate the lugs, and yielding means in the second shank engageable with the post to maintain the lugs in the seats.

1,515,998. PRESSURE-RETAINING VALVE. EDDY L. CLARK, West Pittston, Pa. Filed July 14, 1922. Serial No. 574,882. 15 Claims. (Cl. 251-145.)

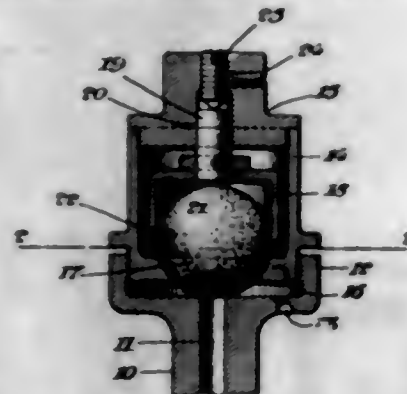
1. The combination with a valve case having a port, of a valve element comprising a shell movable within

and longitudinally of the case, an elastic body fixed to and projecting from one end of said shell so as to be movable therewith, the projecting portion of the body being adapted to be seated on the port, and means freely



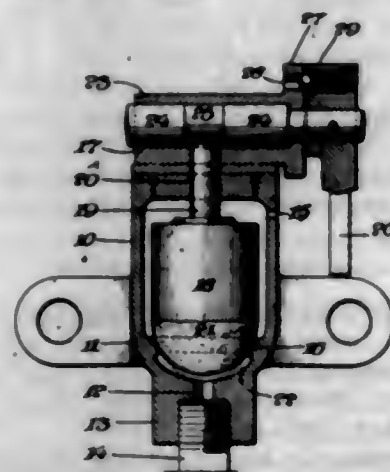
movable through the opposite end of the shell for applying predetermined pressure upon the inner portion of said body, said means including a member operable from the exterior of the valve case.

1,515,999. PRESSURE-RETAINING VALVE. EDDY L. CLARK, West Pittston, Pa. Filed Feb. 2, 1923. Serial No. 616,460. 9 Claims. (Cl. 251-145.)



1. The combination with a valve case having a port and an annular seat slightly spaced from said port, of a ball whereof the sealing portion is supported on and encircled by said seat and extends into sealing relation with the port, and means for varying the pressure of the ball upon the port.

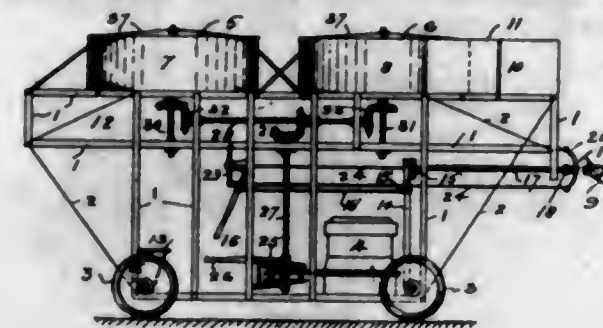
1,516,000. PRESSURE-RETAINING VALVE. EDDY L. CLARK, West Pittston, Pa. Filed June 20, 1923. Serial No. 646,507. 8 Claims. (Cl. 251-39.)



2. The combination with a valve case having an inlet port, a valve seat spaced above said port, and a vent port above said seat, of a valve element having a sealing

portion supported on said seat to afford an open air space between the inlet port and such sealing portion, and means to permit free independent upward movement of said valve element when it is seated, and yet operative to exert an adjusted pressure upon said element.

1,516,001. HELICOPTER. WILLIAM ADAMS CLARK, Saskatoon, Saskatchewan, Canada. Filed June 6, 1923. Serial No. 643,800. 1 Claim. (Cl. 244-19.)



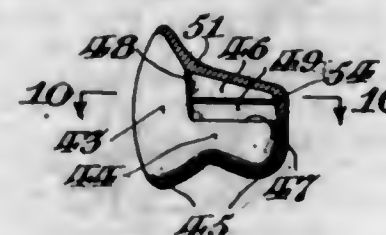
A helicopter of the character described comprising a wheeled frame, a pair of circular casings supported upon the top of said frame one in advance of the other, a lifting propeller operating in each casing, a traction propeller mounted on the frame and a substantially V-shaped shield terminating at the front of the frame and extending from the adjacent casing and being adapted to reduce the resistance created by the machine when travelling in a horizontal plane.

1,516,002. FILLED BOBBIN AND METHOD OF PRODUCING THE SAME. MALCOLM CURRY, Scarsdale, N. Y., assignor to The American Thread Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 22, 1923. Serial No. 676,221. 9 Claims. (Cl. 242-161.)



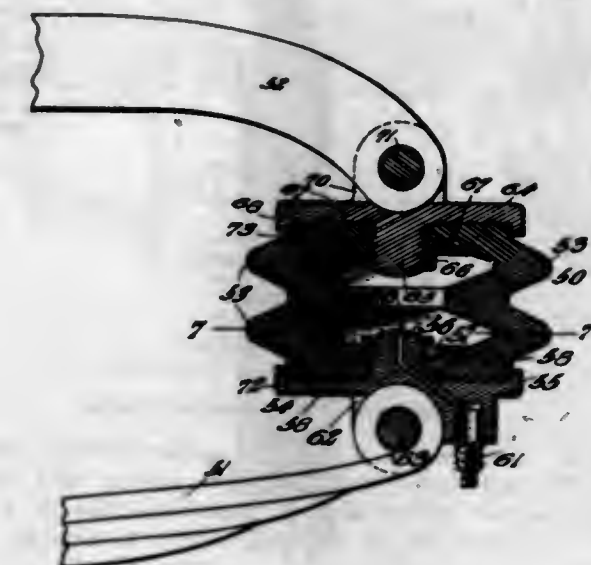
1. In a filled bobbin, the combination of a tubular core having thereon a cross-wound mass of thread of a thickness approximately equal to the length of the core, and end pieces comprising strongly cohering flexible material slightly adhesive when superficially moistened, said material being capable of being formed into thin pliable sheets, said end pieces adhering slightly to the ends of the mass.

1,516,003. ARTIFICIAL TOOTH. JOHN B. DAVIS, Lansdowne, Pa., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1914. Serial No. 879,877. 2 Claims. (Cl. 32-9.)



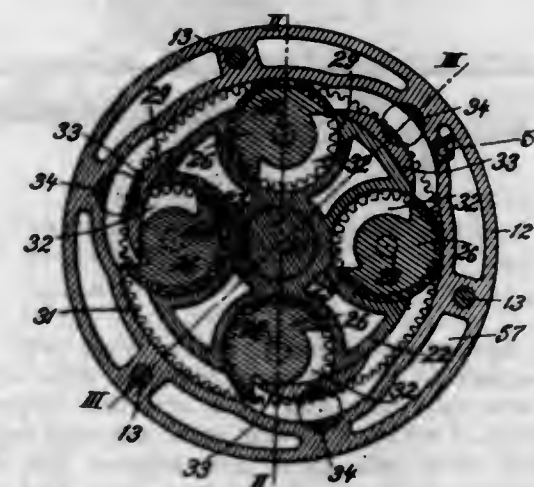
1. An artificial tooth, comprising a buccal facing, a cusp facing, and a lug in the angle thereof forming a marginal ledge along the inner surfaces of said facings, and having lateral grooves extending along the ledge, said ledge being relatively broader at the back than at the sides.

1,516,004. SHOCK ABSORBER. CLEMENT E. ECKRODE, New Brunswick, THOMAS L. ACKEN, Newark, and ALFRED WEILAND, East Orange, N. J., assignors to Pneumatic Appliances Corporation, New Brunswick, N. J., a Corporation of New Jersey. Filed Apr. 14, 1923. Serial No. 631,977. 4 Claims. (Cl. 267-65.)



1. The combination of a vehicle frame, a vehicle spring, and a shock absorber comprising a hollow member formed of laterally extending expansible side walls converging to a circumferential non-expansible pressure resisting area, a top plate fixed to one end of said member and connected to said vehicle frame, a base plate fixed to the other end of said member and connected to said vehicle spring, and means for inflating said member.

1,516,005. FLUID CLUTCH. JOSEPH EDWARD FARRELL, Jr., Washington, D. C., assignor to Hydraulic Devices Corporation of Delaware. Filed Aug. 4, 1920. Serial No. 401,258. 3 Claims. (Cl. 192-58.)



1. A fluid clutch device including axially aligned driving and driven shafts, an outer casing member having an annular interior wall, web members spaced from said wall, an inner rotor member having its periphery spaced from the annular wall of the casing member and cooperating with said webs to provide a single continuous annular oil channel, throttle valves interposed in the oil channel, and automatically rotatable cams adapted to project across the oil channel and having notches for clearing the said webs.

1,516,006. PUMP. CHARLES HENRY FOX, Bakersfield, Calif. Filed Oct. 5, 1922. Serial No. 592,499. 25 Claims. (Cl. 103-250.)

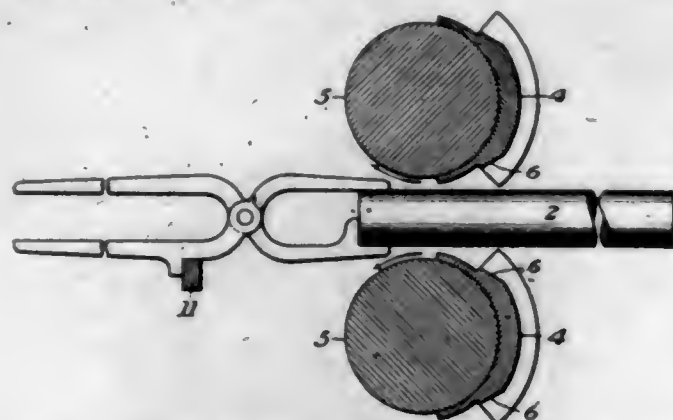
1. In a device of the character described, a combustion chamber having a valve-controlled inlet port near

its lower end, a discharge passageway leading from the chamber, a tubular valve controlled rod leading to the chamber, means for compressing a fuel mixture and sub-



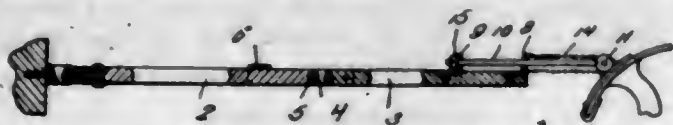
sequently introducing the same through said rod into the chamber, and means leading through the rod for igniting the mixture within the chamber.

1,516,007. METHOD OF MAKING STAY BOLTS. JOSEPH A. FRAUENHEIM, Zellenople, Pa., assignor to American Flexible Bolt Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Continuation of application Serial No. 237,405, filed May 31, 1918. This application filed Oct. 28, 1921. Serial No. 511,217. 4 Claims. (Cl. 80-26.)



1. The method of making reduced body stay bolts, which consists in presenting a blank a fixed distance between rotatable rolls and in a direction opposite to the direction of rotation of said rolls, allowing said rolls to partially form said blank and produce fins thereon while returning it to the place of starting, and turning and again presenting said blank to another rolling pass to complete the formation of said bolt, substantially as described.

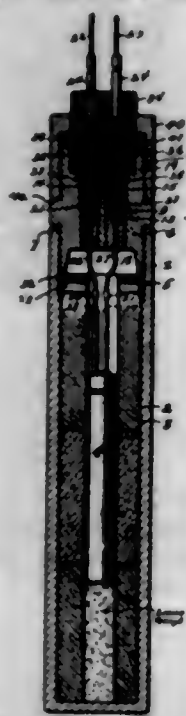
1,516,008. FOOT-LEVER ATTACHMENT. ANTON C. FREDRICKSON, Cushing, Nebr. Filed May 16, 1924. Serial No. 713,794. 3 Claims. (Cl. 74-81.)



1. In combination with the foot pedal of an automobile, an attachment connected to the heel board of the seat support of the automobile adapted for engagement with the foot pedal for holding the same in a depressed position, said attachment comprising a pair of

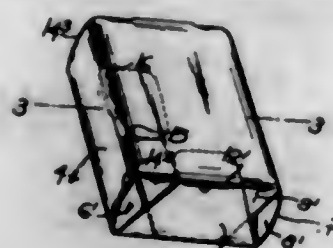
pivotal sections, means for limiting the swinging movement of said sections in one direction with respect to each other, a swivel connection between the end of one section and the heel board of the seat support of the automobile, and a foot pedal engaging member carried by the outer end of the other section.

1,516,009. ELECTRIC DETONATOR. HARRY L. GRANT and ALEXANDER DJIDICS, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 18, 1924. Serial No. 720,819. 6 Claims. (Cl. 102-10.)



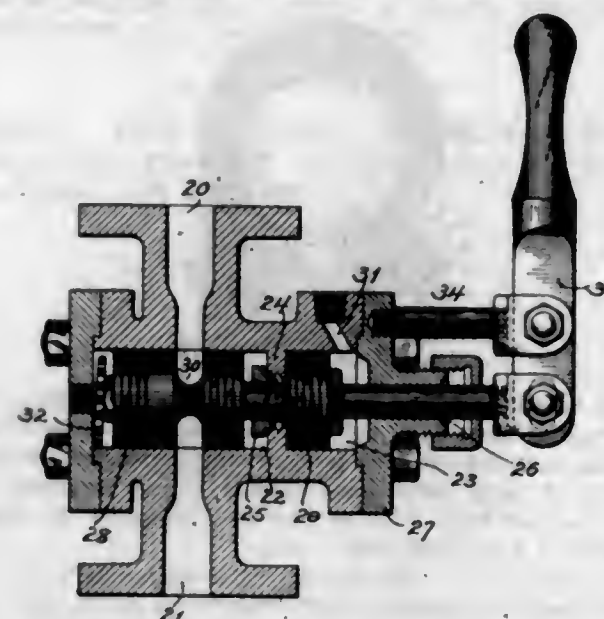
4. The combination with a casing of such strength as to resist high external pressure, an explosive charge therein, a blasting cap therein, lead in wires for the blasting cap, a cap threaded into the upper end of the casing through which said lead in wires pass, means for insulating said lead in wires from the said cap, a compression ring, a pressure head of insulating material engaged by said ring and movably axially of the cap under the influence of said ring, and members carried by the cap through which said wires pass, such members being insulated from the cap and having recesses with tapered bottoms formed therein, soft metal packing elements seated in said recesses and tubes carried by the pressure head through which the wires pass, said tubes having beveled lower ends to engage the packing members, when the pressure head is moved axially under the influence of the ring.

1,516,010. FOLDING PAPER DEVICE, INCLUDING ITS CONSTITUENT BLANK. CHARLES EDWARD HAWKHURST, New Haven, Conn., assignor to National Folding Box Company, New Haven, Conn., a Corporation of New Jersey. Filed Apr. 6, 1923. Serial No. 630,213. 7 Claims. (Cl. 220-40.)



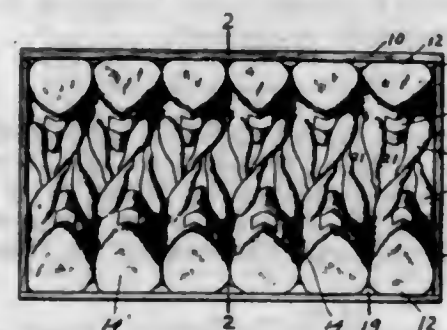
1. A parallelogrammatic foldable container formed from a single piece of material comprising a flat body portion having two rectangular, oppositely-disposed, outwardly circular sides held in correspondingly circular bent lines at each of the four corners when the container is set up.

1,516,011. PRESSURE-CONTROLLED VALVE. FREDERICK HEATH, Bellingham, Wash. Filed Jan. 26, 1923. Serial No. 615,123. 2 Claims. (Cl. 137-153.)



1. The combination of a valve casing comprising a cylinder having closed ends and provided between its ends with ports constituting an inlet and an outlet in the same radial plane of the cylinder, a pressure chamber aligned axially with the cylinder and provided with a port to establish communication with a pressure line, a piston in the cylinder having a circumferential groove normally establishing communication between the inlet and the outlet, a piston in the pressure chamber exposed at its outer side to the pressure therein, the inner wall of the pressure chamber constituting a stop to limit the movement of the piston under pressure, a rigid connection between the piston in the pressure chamber and the piston in the cylinder maintaining the pistons in fixed relation, and means in the cylinder whereby pressure is constantly exerted on the piston therein in opposition to the pressure in the pressure chamber to cut off communication between the inlet and the outlet upon reduction of the pressure in the pressure chamber.

1,516,012. POULTRY PACKING. GEORGE F. HINBICHS, New York, N. Y. Filed Sept. 23, 1922. Serial No. 590,106. 14 Claims. (Cl. 217-42.)

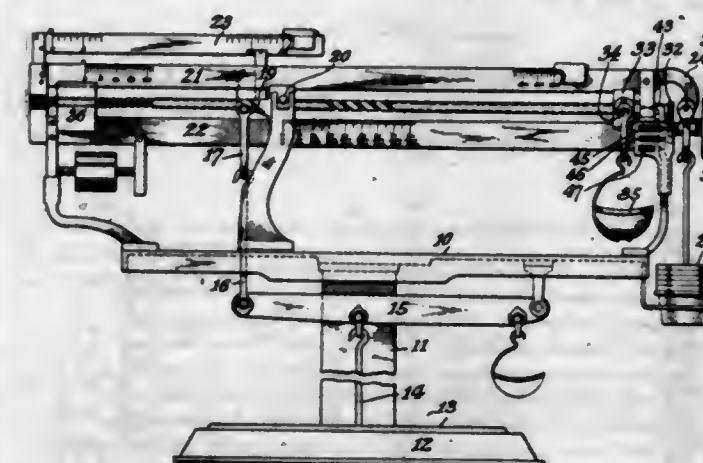


1. A shipping and display package comprising a container containing a plurality of birds in sitting position placed in opposite rows, thereby providing a free open space between two rows of birds, the tail ends of the sitting birds in engagement with the bottom of the container, said package embodying means cooperating with a mutually sustaining relation between the opposite rows of birds for maintaining the bodies of the birds in position extended upwardly from said bottom.

1,516,013. COUNTING SCALE. JOSEPH HOPKINSON, Dayton, Ohio, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Nov. 20, 1920. Serial No. 423,324. 8 Claims. (Cl. 265-30.)

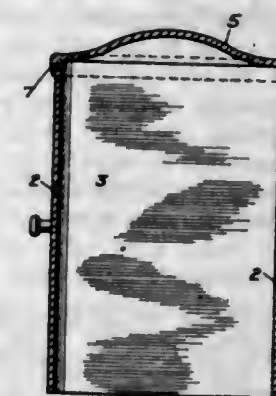
1. A count indicating attachment for a counting weighing scale having an article receiver displacing ele-

ment and a means for operating the same to counter-balance the load, said count indicating device comprising in combination a rotary indicating device operated in unison with the aforesaid displacing element, to indicate



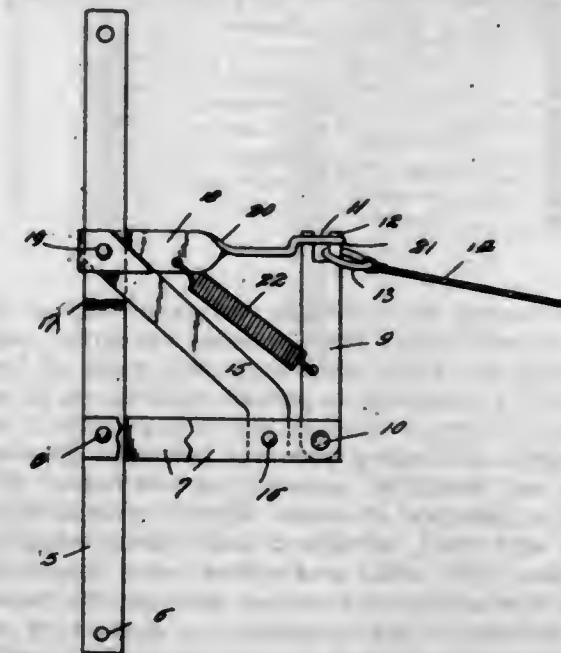
the count corresponding to a given displacement of said element, and means for selectively rendering different portions of said indicating device visible corresponding with a number of articles carried by the receiver.

1,516,014. ANNEALING BOX. PERCY E. HUNTER, Pittsburgh, Pa. Filed Aug. 7, 1922. Serial No. 580,207. 6 Claims. (Cl. 263-49.)



1. An annealing box having overlapping flanged members tightly and continuously connected together and provided with transverse connecting screw plugs.

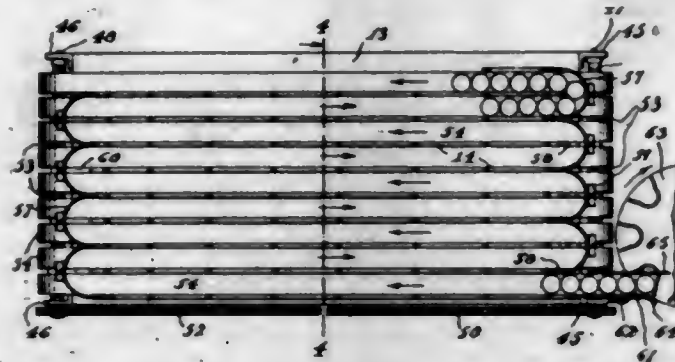
1,516,015. TRIP-ROPE-RELEASING DEVICE. CLARENCE JOHNSON, Ruthven, Iowa. Filed Aug. 20, 1923. Serial No. 658,237. 3 Claims. (Cl. 280-33.16.)



1. A plow trip rope releasing device comprising a longitudinal bar bifurcated at its rear end, a swinging arm pivoted at one end and bifurcated at its other end

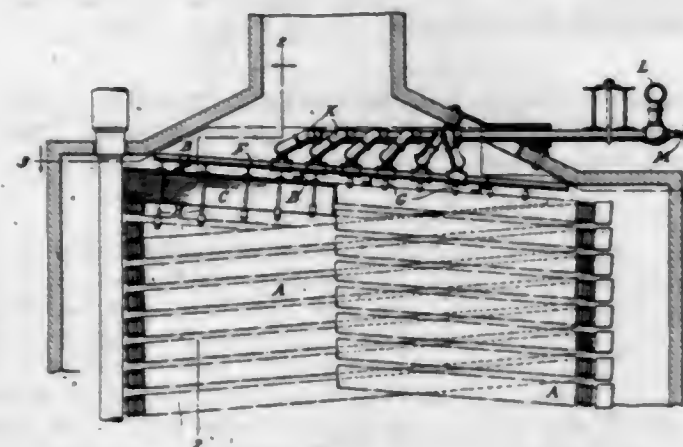
to provide a pair of prongs with one of which the trip rope is adapted to be detachably engaged, and yieldable means for normally holding said arm positioned at right angles to said bar with the prongs within the bifurcations of the bar.

1,516,016. **SETTLING TABLE.** EDWARD KALLENBACH, New York, N. Y. Filed Nov. 26, 1921. Serial No. 517,910. 6 Claims. (Cl. 198-75.)



1. In a settling table of the character described, in combination with means for distributing articles by impulse imparted to the articles by said means, a table having an end for receiving the articles for movement; a series of oppositely moving parallel belts; means for moving the belts; means for transferring the articles from a belt to an adjacent oppositely moving belt; and means located on said table at the end for receiving the articles and adjacent to one of said belts and having oppositely related extending portions for receiving therebetween the articles while they are under impulse from said distributing means and transporting the articles to said adjacent belt for movement thereby and transference to an adjacent oppositely moving belt.

1,516,017. **SOOT BLOWER FOR BOILERS.** WALTER F. KEENAN, Jr., New York, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Jan. 29, 1921. Serial No. 440,848. 1 Claim. (Cl. 122-392.)



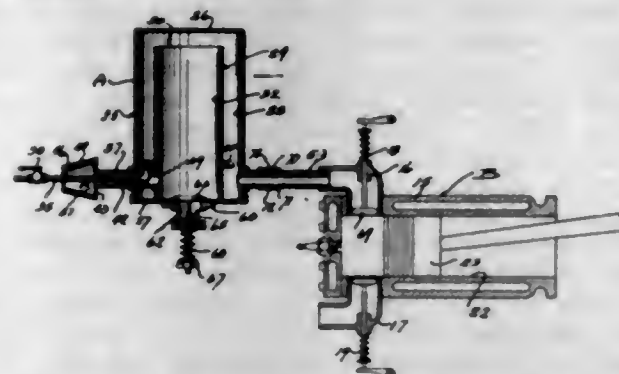
The combination with a boiler having a bank of substantially parallel tubes having beams supported transversely above the same, certain of said rows of tubes being omitted at intervals to provide open spaces in said bank, narrow inverted channel like baffles entirely supported by the said beams and over the open spaces in said bank and vertically spaced from the tubes thereunder, of a plurality of tubes carried by said beams, nozzles in said tubes, certain of said nozzles being disposed between the baffles and others being disposed in alignment therewith and extended downwardly through openings therein to points below the bottom of said channel baffles and valved controlled connections between said nozzle supplying tubes and a main supply of steam or compressed air so designed as to compensate for contraction and expansion.

1,516,018. **WHEEL FOR MOTOR VEHICLES.** BRUCE P. KITCHELL, Red Bank, N. J. Filed Oct. 18, 1919. Serial No. 331,596. 2 Claims. (Cl. 301-23.)



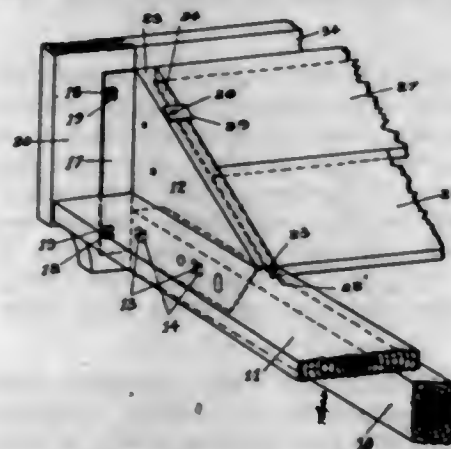
1. A wheel provided with a felly band, a flange at one side edge of said band adapted to engage a demountable tire rim, and spaced lugs provided at the other side edge portion of said band and having inner surfaces convexly curved from end to end and adapted to engage surfaces of a locking ring.

1,516,019. **FUEL-REGULATING DEVICE FOR INTERNAL-COMBUSTION ENGINES.** JOHN E. KNAPP, Clarion, Pa. Filed May 19, 1923. Serial No. 640,175. 5 Claims. (Cl. 123-119.)



1. A device of the class described comprising a housing, a container in the housing open at its top, fuel inlet means in the housing to permit rise of fuel into the housing for flow into the container through the top opening, fuel outlet means in the housing, and valve means at the lower end of the container to permit entrance or exit of a medium as the volume of fuel in the container is decreased or increased.

1,516,020. **BODY CONSTRUCTION AND TOE-BOARD BRACKET.** JAMES MCGILSHAN and WALTER A. MAYES, York, Pa., assignors to Martin-Parry Corporation, York, Pa., a Corporation of Delaware. Filed Aug. 13, 1921. Serial No. 491,898. 11 Claims. (Cl. 296-28.)



10. An integrally formed corner reinforcing plate and toe board bracket adapted for ready attachment to the detachment from the corner framework of vehicle bodies

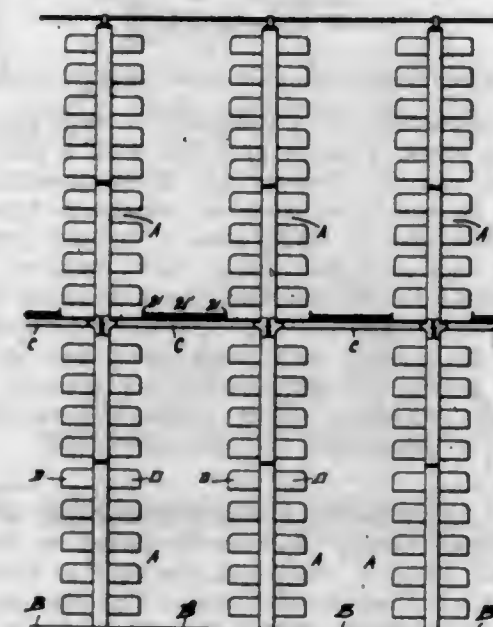
comprising a main vertical member integrally uniting a laterally extending corner reinforcing and securing member and a laterally extending toe board supporting member longitudinally inclined to receive and support the toe board in an inclined position.

1,516,021. **VINE TURNER.** CHARLES T. MCCREADY, Onley, Va. Filed Nov. 13, 1922. Serial No. 600,731. 4 Claims. (Cl. 97-192.)



3. In combination with the side bar of a cultivator, an arm depending from said bar, a beam carried by the arm below the bar and extending laterally thereof, a forwardly and downwardly inclined rod carried by the beam, and a shoe carried by the forward portion of the rod.

1,516,022. **BOOKSTACK.** HARRY P. MACDONALD, Montclair, N. J., and ANGUS S. MACDONALD, Great Neck Station, N. Y., assignors to The Sneed & Co. Iron Works, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 5, 1917. Serial No. 194,890. 6 Claims. (Cl. 45-54.)

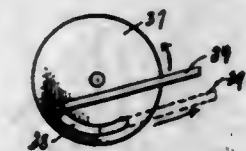


4. A bookstack comprising in combination a plurality of vertical supporting columns each composed of superposed elastic sheet metal sections, splices for the column joints each comprising a plurality of elastic bent up gusset plates overlapping adjacent ends of the sections and having lugs projecting from the column, and horizontal members interconnecting adjacent columns and attached to said lugs, the stack being elastic to external stresses by virtue of the elasticity and interrelation of the parts, and yet intrinsically strong and stable without necessity for diagonal tie-rods.

1,516,023. **MECHANICAL TOY.** LOUIS MARX, Brooklyn, N. Y. Filed July 21, 1922. Serial No. 576,437. 3 Claims. (Cl. 46-40.)

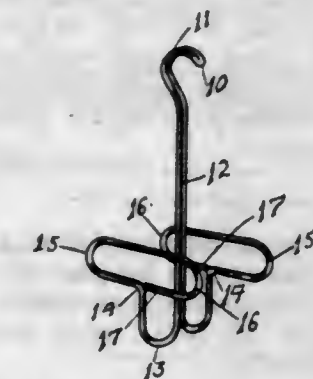
1. In a mechanical toy, a figure having a swinging hinged member, a spring connected therewith normally to

press same into its forward position, and a motor mechanism comprising a revoluble disk having a segmental slot, and means slidable in said slot and connected with



said member to retract said member against the tension of said spring and thereafter quickly release same during the continued rotation of said disk.

1,516,024. **HAT HANGER.** EUGENE F. MEYER, Louisville, Ky. Filed Jan. 4, 1924. Serial No. 684,375. 1 Claim. (Cl. 45-13.)



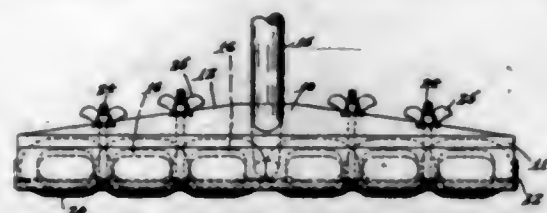
A hat hanger formed from a single length of wire bent double at its middle to form a pair of parallel lengths, the wire adjacent the bend being bent into a supporting hook and the remainder of the parallel portions forming a shank, the hook being at right angles to a plane passing through the axes of the shank portions, the ends of said wires being first bent away from each other and upwardly in said plane to form hat hooks and the extremities of the upwardly bent portions being each bent to form a flat loop at right angles to said plane and having its longer axis horizontal.

1,516,025. **WALL SURFACE.** STEVEN MOLNAR and JACOB SCHWARTZ, Cleveland, Ohio. Filed Sept. 13, 1923. Serial No. 662,454. 1 Claim. (Cl. 72-18.)



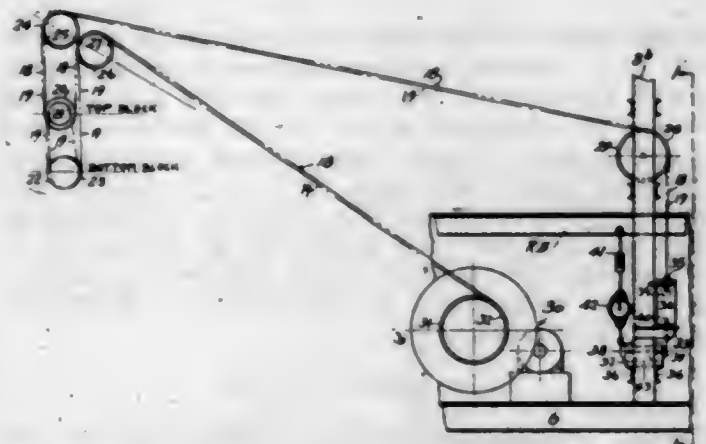
A wall surfacing comprising blocks arranged in two series of alternating rows, the blocks on one series having projecting tongues on their top and bottom edges, said tongues extending completely from side to side of said blocks, and the blocks of the other series having complementary recesses in their adjacent edges to receive said tongues and thereby hold said other series of blocks in place, said last named series of blocks being cemented in place and said first named series of blocks being held in place entirely by engagement of the said tongues in said recesses.

1,516,026. PUSH BROOM. HARRY D. NEFF, Stoneham, Mass., assignor to Re-Fill-It Broom Company, Boston, Mass., a Corporation of Massachusetts. Filed July 30, 1923. Serial No. 654,587. 1 Claim. (Cl. 15-177.)



In an improved push broom of the type described, the combination of a substantially rectangular elongated head having a plurality of parallel arranged grooves formed therein, each groove having its upper rearward surface extending outwardly and upwardly from a point intermediate the upper and lower ends thereof, a gripping and closing member mounted on said rectangular head, means for adjusting said gripping and closing member with respect to the head, a closure for the top of the grooves in the head formed integral with, and extending laterally outward from, the gripping and closing member, and a plurality of broom units fitting within said parallel arranged grooves.

1,516,027. MEANS FOR WEIGHING LOADS. HARRY E. SCOTT, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio, a Corporation. Filed Feb. 17, 1923. Serial No. 619,773. 5 Claims. (Cl. 265-52.)

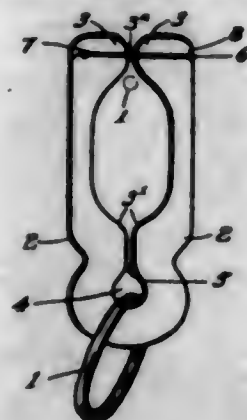


1. A means for weighing the loads of hoisting and lowering machines in transit, comprising the combination, on such machines, of a winding drum, a freely disposed counterweight of suitable weight to balance the tare of the loads sustained, bucket sheaves, a boom, a load-sustaining pulley system having the rope-member thereof operatively reeved through the bucket sheaves to be sustained and the head of the boom, with its live end attached to said winding drum, and its dead end connected to said counter weight, together with means for limiting the downward travel of said counterweight to a predetermined point, and mechanism, in operative relation to said counterweight, for measuring the force exerted by the load during any upward movements of the counterweight from said point, substantially as shown and described.

1,516,028. LOCKING DEVICE. OTIS H. SLEEPER, Exeter, N. H. Filed Dec. 27, 1919. Serial No. 347,803. 2 Claims. (Cl. 24-157.)

1. A catch comprising a pair of spring arms spaced apart from each other and terminating at one end in an eye within which the article to be locked is normally lodged and beyond said eye having opposite portions adapted to directly receive the pressure of the article to be locked when said article is freed from the eye and

moved towards said portions, there being a space between the open end of said eye and said opposite portions of the arms within which the article to be locked



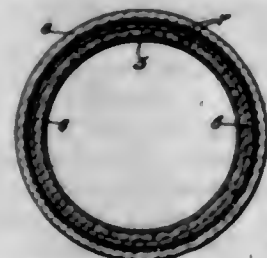
enters when freed from the eye, and means for normally drawing said pressure receiving portions of the arms towards each other to meet the spreading apart pressure of the article to be locked.

1,516,029. APPARATUS FOR USE IN MANUFACTURING MORTAR OR PLASTER. THOMAS J. STURTEVANT, Wellesey, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1923. Serial No. 623,070. 7 Claims. (Cl. 137-78.)



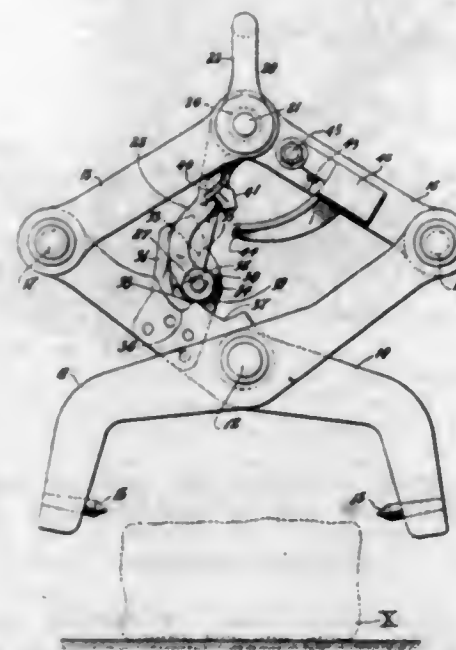
1. The combination of a plurality of vats adapted to receive lime paste, a union provided with a pair of opposed plates, a valve chamber and tubes extending from said plates to said valve chamber; discharge pipes leading from said vats to said tubes, a delivery pipe communicating with said chamber, a valve mounted in said chamber adjustable to establish communication between any one of the vat pipes and the delivery pipe, and means detachably to connect said discharge pipes with said plates and having provision permitting removal of any one of said discharge pipes without disturbing the other pipes or said union.

1,516,030. PNEUMATIC-TIRE TUBE AND METHOD OF MAKING SAME. EDWARD W. THURLOW, Brighton, Melbourne, Victoria, Australia, assignor of one-half to Wilfrid Kent Hughes, Melbourne, Victoria, Australia. Filed Mar. 6, 1922. Serial No. 541,545. 9 Claims. (Cl. 154-15.)



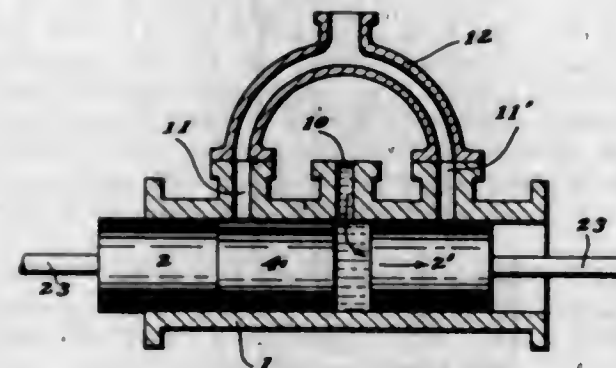
4. The method of constructing a pneumatic tire tube which consists in forming an endless closed tube with a layer or body of a glutinous self sealing substance incorporated wholly within its wall, inflating said tube, helically wrapping a strip or strips of reinforcing material around the inflated tube, placing an outer layer or coat of rubber around the reinforcement, and vulcanizing the whole together to form an integral structure, substantially as described.

1,516,031. TONGS. WILLIAM M. VENABLE, Pittsburgh, Pa., assignor to Blaw-Knox Company, a Corporation of New Jersey. Filed Mar. 21, 1922. Serial No. 545,423. 15 Claims. (Cl. 294-110.)



1. A device of the character described comprising interconnected grappling members; a lifting member with connections to said grappling members for pulling them shut when lifted; and means for automatically keeping them open while empty and automatically allowing them to close and grasp a load.

1,516,032. PUMP. CHARLES E. WHITE, Seattle, Wash. Filed Aug. 2, 1923. Serial No. 655,158. 4 Claims. (Cl. 103-66.)



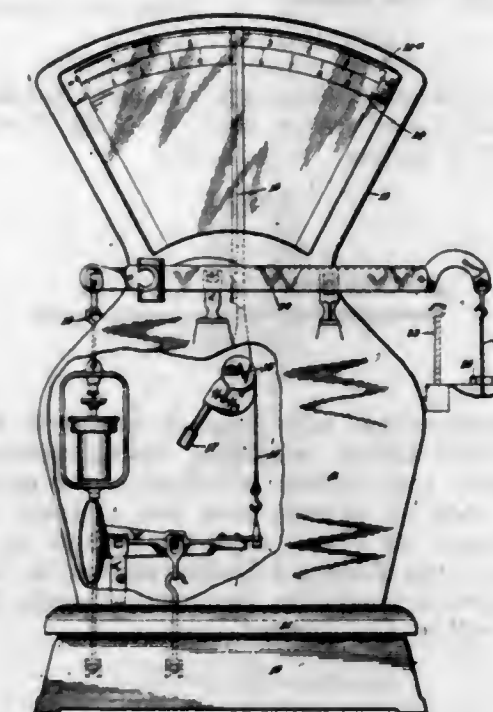
1. A pump comprising a cylinder having an intake and a pair of discharge ports spaced lengthwise of and disposed upon opposite sides of the intake port, a piston at each end of the cylinder, a floating piston between the two outer pistons, and means for causing reciprocation of said pistons to afford alternate communication with the cylinder of the intake port and alternate discharge ports.

1,516,033. SCALE. VANDEN J. WILLEY, Memphis, Tenn., assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Feb. 6, 1923. Serial No. 617,240. 2 Claims. (Cl. 265-36.)

1. A weighing scale of the automatic type having a beam, a detachable weight receiver thereon, an indicator and a weighing chart, an article receiver adapted to replace the weight receiver and having a different weight

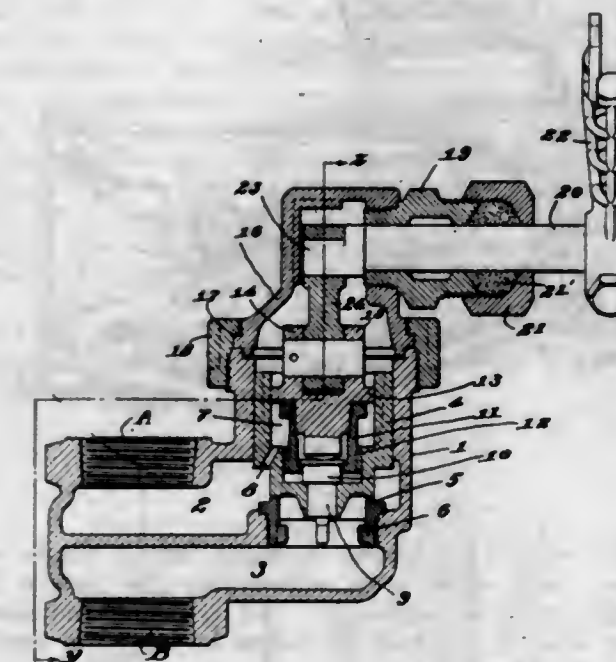
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therefrom to cause the indicator to be displaced to a different position over the chart, and a supplementary chart having the graduations reversely arranged to those



of the main chart and having its zero graduation aligned with the position assumed by the indicator when the article receiver is applied to the beam.

1,516,034. VALVE. BELVIN T. WILLISTON, Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed July 24, 1920. Serial No. 398,639. 5 Claims. (Cl. 277-36.)



1. A valve device comprising a casing having an inlet opening, an outlet opening, and a valve chamber provided with a valve seat defining a passage between the inlet and outlet openings, a main valve slidable in said chamber and cooperable with said seat, said valve being of generally cylindrical form and having an axial bore, an auxiliary annular valve seat intermediate the ends of said bore, an auxiliary valve structure slidable within the body of the main valve and having a part engageable with the auxiliary valve seat, means normally admitting fluid pressure from the inlet to pass within the main valve, a closed chamber adjacent said valve, and a crank device, located in said closed chamber and

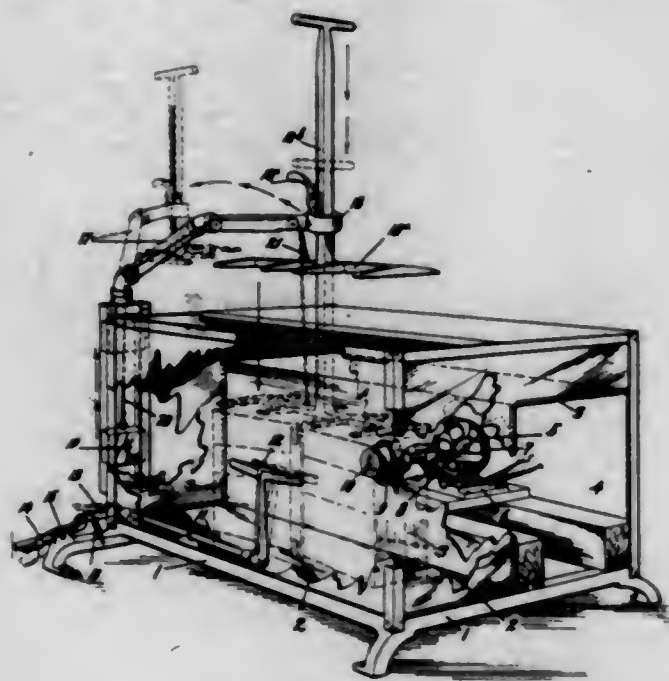
connected with the auxiliary valve structure for moving it away from its seat to admit fluid pressure from the inlet to pass from the interior of the main valve to the under side thereof.

1,516,035. SAFETY HOLDER. JOSEPH ADAMICH, San Francisco, Calif. Filed Mar. 1, 1923. Serial No. 622,228. 2 Claims. (Cl. 24—3.)



1. In combination with a piece of fabric having a pocket formed therein, means for closing opposing walls of the pocket upon objects contained in the pocket comprising a strip of material bent into U shape and presenting a long leg and a short leg adapted to straddle the walls of the pocket, a handle pivoted in the short leg and yielding means for forcing the handle upon the adjacent wall of the pocket.

1,516,036. METHOD AND MEANS FOR FORCING STAIN AND THE LIKE INTO SHINGLES IN BUNDLES. EDWIN B. BINFORD, Pasadena, Calif. Filed Mar. 14, 1924. Serial No. 699,190. 6 Claims. (Cl. 91—68.)



1. The method of forcing a liquid into a bundle of shingles which consists in submerging the bundle in the liquid and in compressing and releasing the same flatwise, whereby to cause the liquid to enter the spaces between the shingles.

5. Means for forcing stain and the like into a bundle of articles including a container for the liquid and said bundle, a motor, and operative connections from the motor to said bundle for causing an alternate compression and releasing action in said bundle, whereby to cause said liquid to penetrate between and into said articles.

1,516,037. BEET HARVESTER. PAUL BOOR, Forsyth, Mont. Filed Oct. 5, 1923. Serial No. 666,790. 4 Claims. (Cl. 55—136.)

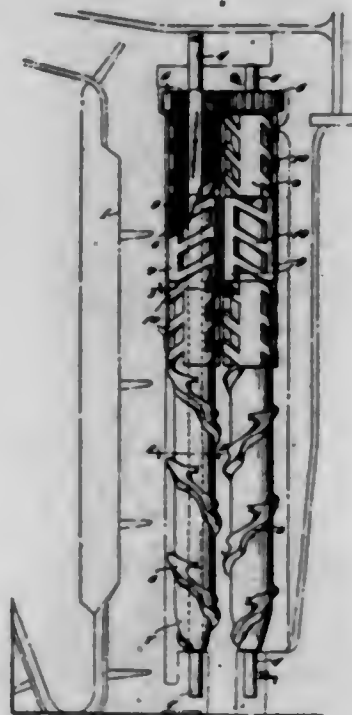
1. The combination with a wheel supported frame including an elevator, of a forwardly and downwardly inclined grate, a collecting plate in front of the grate, lift-

ing bars mounted for rotation within the grate for elevating and rearwardly shifting articles deposited on the grate, gathering fingers overhanging the plate, and means



for simultaneously actuating the elevator and lifting bars and oscillating and reciprocating the gathering fingers.

1,516,038. SNAPPING AND HUSKING ROLLERS. CHARLES E. DAGEL, Sanborn, Iowa. Filed May 7, 1924. Serial No. 711,675. 2 Claims. (Cl. 130—5.)

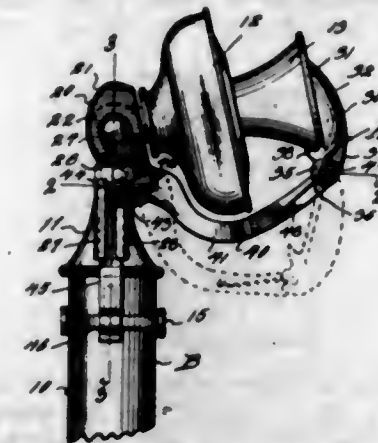


1. A roll comprising a rotatable shaft, and a substantially cylindrical body of elastic material secured upon the shaft and tapered at its front end, the said body being provided with a spiral rib around its forward portion and being further provided on its rear portion with annular series of longitudinally extending projections, the projections in adjacent series being relatively staggered.

1,516,039. SANITARY ATTACHMENT FOR TELEPHONES. DAVID L. DAVIS, Portland, Oreg. Filed Oct. 15, 1923. Serial No. 668,746. 3 Claims. (Cl. 179—185.)

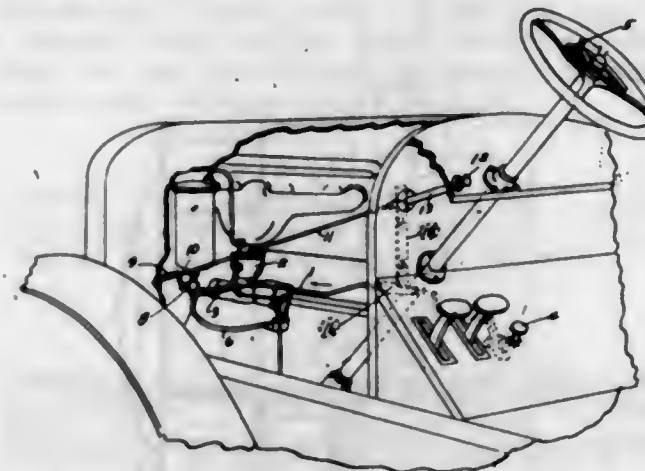
3. As a new article of manufacture, a sanitary telephone attachment comprising a hollow head arranged to receive the upper end of the telephone, a laterally projecting arm, a depending guide leg formed on the

arm, a slide bar reciprocally mounted on the leg, means formed on the bar for engaging a receiver hook of a



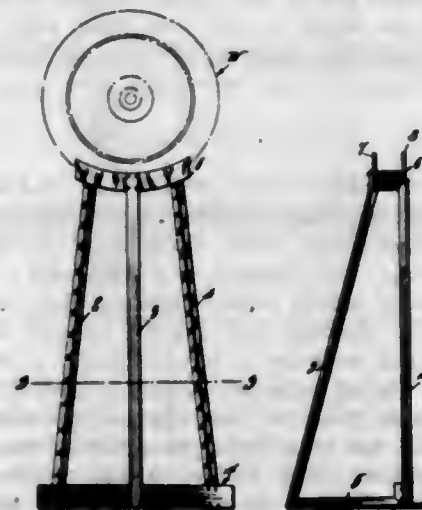
telephone, a lever secured to the leg, means connecting the inner end of the lever with the slide bar, and a pivoted cap carried by the outer end of the lever.

1,516,040. GASOLINE CONTROL FOR AUTOMOBILES. WILLIAM A. GARLICK, San Francisco, Calif. Filed Jan. 21, 1924. Serial No. 687,652. 3 Claims. (Cl. 123—119.)



1. In an automobile having an internal combustion engine with a throttle control, a shut off valve on the fuel supply pipe to the engine, automatic means for normally holding said valve open, means for holding it closed against the action of said automatic means, and instrumentalities cooperating with the throttle control for rendering the second means inoperative when the throttle is in other than idling position.

1,516,041. AUTOMOBILE REPAIR STAND. EUGENE GRAHAM, West Bend, Iowa, assignor of one-half to Earle R. Cobb, West Bend, Iowa. Filed July 16, 1923. Serial No. 651,877. 1 Claim. (Cl. 29—89.)



A stand of the class described comprising a wheel supporting member composed of angle iron standards converging toward their upper ends and connected by

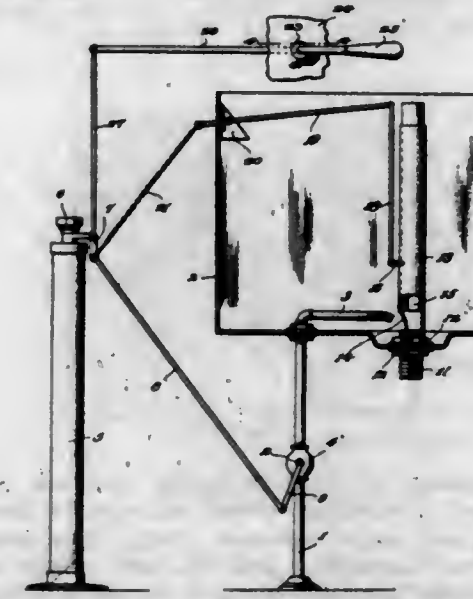
a wheel seat, one of said standards having its lower end bent laterally at right angles, and bars connected with the standards and with said lateral extension to form a supporting base.

1,516,042. MAGNETIC SCREW DRIVER. HOWARD ROSS HINES, Warsaw, Ind. Filed May 17, 1923. Serial No. 639,568. 1 Claim. (Cl. 145—50.)



A screwdriver comprising a handle having one solid end, having a chamber in its opposite end and having a recess in its side, a blade secured in and projecting from the solid end of the handle, a contact button on the wall of the chamber in the handle, a fixed contact element housed in the recess in the side of the handle, a coil around the blade having its ends passing through the solid end of the handle out of contact with and insulated from the blade and connected to said button and said contact element respectively, a battery cell in the chamber of the handle having one terminal in contact with said button, a conductor housed in the handle and having one end in contact with the other terminal of the battery cell, a finger forming a continuation of the opposite end of said conductor and extending longitudinally of and housed within the recess in the side of the handle, and a switch member slidably mounted on said finger to engage the contact element in said recess.

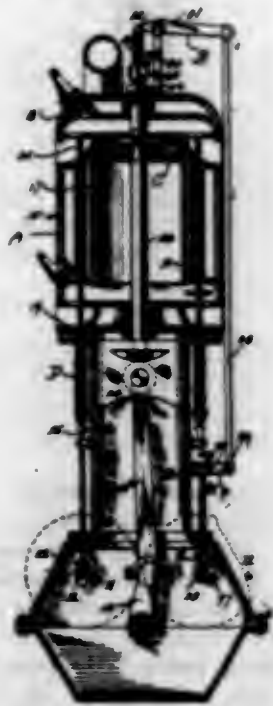
1,516,043. FLUSHING MECHANISM. THOMAS HUGHES, Aurora, Ill. Filed Oct. 24, 1923. Serial No. 670,530. 2 Claims. (Cl. 4—41.)



1. In a flushing mechanism, the combination of a tank, an outlet in the bottom of the tank, a casing within the tank communicating with the outlet and provided with

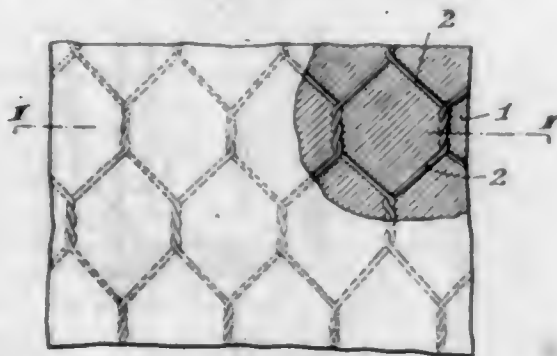
an opening at the outlet, a service pipe leading into the tank and terminating immediately adjacent said opening, a cut-off valve mounted within said casing and normally above the opening therein, a cut-off valve in the service pipe, a dashpot, connections between the dashpot and the said valve whereby to open the valve, and connections between the dashpot and the cut-off in the casing whereby to lower the cut-off in the casing when the cut-off valve in the service pipe is opened.

1,516,044. LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. FRANK M. KING, Bluefield, Va. Filed Aug. 21, 1922. Serial No. 583,451. 8 Claims. (Cl. 74-108.)



1. A lubricating mechanism comprising a supporting device, a lubricating conduit provided with a supply opening therein, a feed member attached to said lubricating conduit having communication with said supply opening and provided with an opening therein, a valve means for cooperation with the supply opening of said conduit, and valve means yieldably carried by said first mentioned valve means for cooperation with the opening of said feed member.

1,516,045. BUILDING ELEMENT. HEINRICH KOLLBRUNNER, Rapperswil, Switzerland. Filed Jan. 22, 1924. Serial No. 687,873. 3 Claims. (Cl. 18-48.)



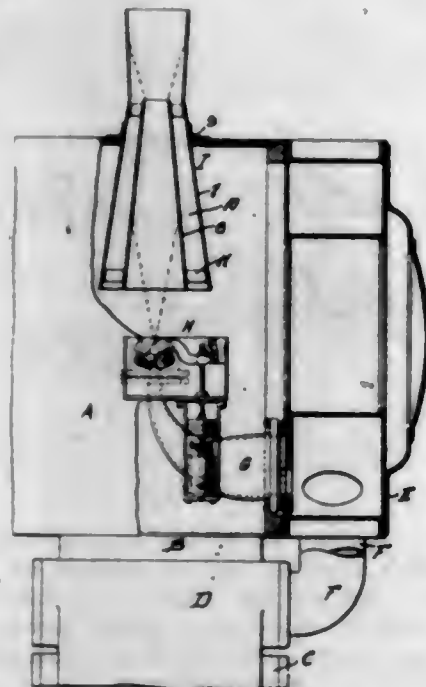
1. The method of manufacturing building elements of compressed card-board, which consists in forming a mixture of paper mass, asbestos, stones in powder form and animal or vegetable glue, spreading said mixture out into a layer and permitting it to set and dry, subjecting the material to a pressure, impregnating it and subjecting it to the action of heat for thoroughly drying it.

1,516,046. CLOSURE. NIXON LEE, Brooklyn, N. Y., assignor to National Seal Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 26, 1922. Serial No. 556,601. 18 Claims. (Cl. 215-44.)



1. In combination with a container having a lug, a closure having a lip to engage said lug upon rotation of the closure in one direction, said lip having its leading end bent to guide same into engagement with said lug.

1,516,047. DRAFT APPLIANCE FOR LOCOMOTIVES. DAVID M. LEWIS, Milwaukee, Wis., assignor to Lewis Draft Appliance Company, a Corporation of Illinois. Filed May 27, 1920. Serial No. 384,770. 7 Claims. (Cl. 162-4.)



1. The combination with a locomotive using exhaust steam for obtaining draft, of an exhaust steam draft means in the smoke box comprising a steam ejector mechanism consisting of a pair of pipes one within the other of a relative size to provide a space therebetween and having their lower ends in approximately the same plane, the inner of said pipes terminating short of the upper end of the outer pipe and occupying a very material portion of the height thereof and having its smallest cross sectional area above its lower end.

1,516,048. DOUBLE-DISK WHEEL. ALFRED M. LOWLAND, Lebanon, Ind., assignor of one-half to Lewis C. Willis, Indianapolis, Ind. Filed Jan. 26, 1920. Serial No. 354,075. 13 Claims. (Cl. 301-63.)

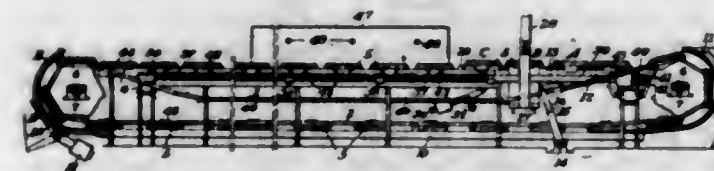
6. In a metal wheel construction, a hub sleeve extending completely through the center thereof and provided at its outer end with an integral flange, a brake member at the inner end of said hub sleeve, a pair of sheet metal disks interposed between said flange and member, and a bracing center for said disks, in combination with means for securing said hub sleeve, disks, center and brake member to each other comprising a bolt having at an intermediate point an enlargement to provide double ends thereon, one of said ends passing through said flange, disks, center and brake member to secure these parts

rigidly to one another with the enlargement on the bolt resting in a counter-sunk portion of the hub flange so that the outer end thereof is located substantially in



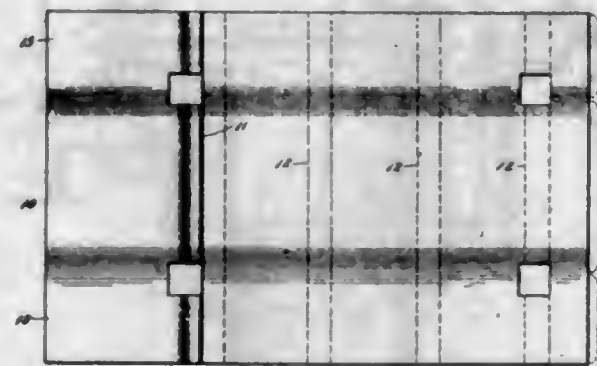
the plane of the outer surface of said hub flange, and a driving flange provided with perforations through which the other end of said bolt passes, and clamping means on the respective ends of said bolt.

1,516,049. APPARATUS FOR CASTING. OLIVER P. LUETSCHER, Pittsburgh, Pa. Filed May 5, 1923. Serial No. 636,857. 10 Claims. (Cl. 22-76.)



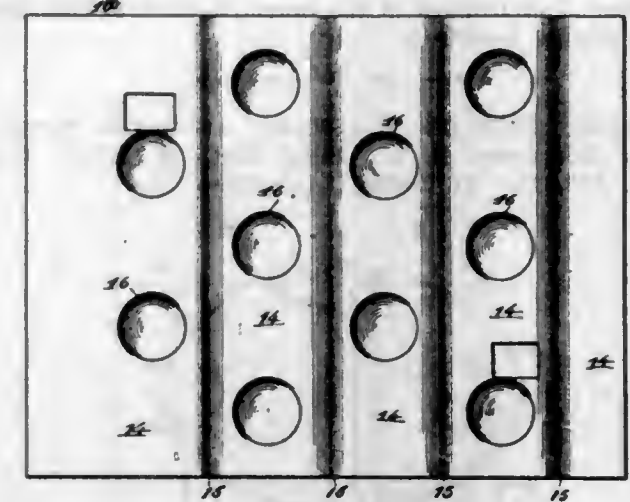
1. In a casting apparatus, a scale, means for supporting a mold thereon, means for delivering molten metal thereto, and means for removing a filled mold from the scale beam, substantially as described.

1,516,050. TIE PLATE. JOHN LUNDIE, New York, N. Y. Filed June 2, 1923. Serial No. 643,005. 4 Claims. (Cl. 235-298.)



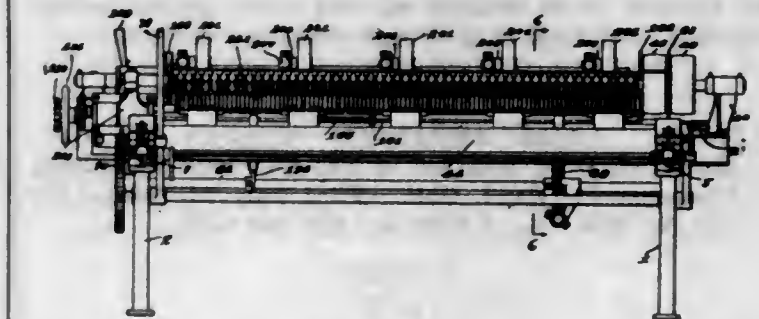
3. A tie plate having a bottom which is concavely curved from edge to edge of the plate and a top with its middle portion convexly curved to the same degree as the bottom, both curvatures extending in arcs transverse of the tie on which the plate is to ultimately rest, and the opposite surfaces of the edge portions of the plate which are at the ends of said arcs converging away from said middle portion.

1,516,051. TIE PLATE. JOHN LUNDIE, New York, N. Y., Filed Nov. 5, 1923. Serial No. 672,895. 7 Claims. (Cl. 238-295.)



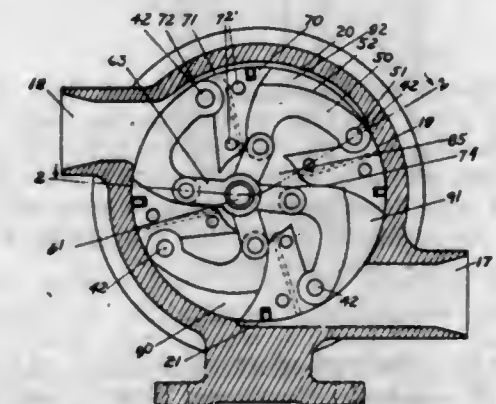
1. A tie-plate having a concave-curved lower face for bearing upon a tie, and the concave face having a series of scattered shallow depressions.

1,516,052. METHOD OF AND MACHINE FOR FILING GIN SAWS. ROBERT W. MCLEAN, Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass., a Corporation of Massachusetts. Filed July 30, 1921. Serial No. 488,586. 77 Claims. (Cl. 76-32.)



8. A machine for filing gin saws mounted in series upon a shaft comprising means for supporting a shaft with its saws, a series of files projecting into alternate spaces between the saws, and means for so actuating said files as to file alternate saws of the series.

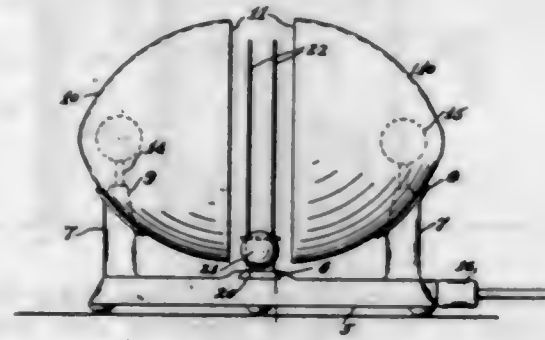
1,516,053. PUMP. JOHN A. MORGAN, Los Angeles, Calif. Filed Dec. 9, 1922. Serial No. 605,758. 7 Claims. (Cl. 103-140.)



1. A rotary pump having a casing, a rotary member within the casing having a plurality of abutments affixed thereto, a plurality of pistons mounted for movement on said rotary member, means to cause said pistons to move toward and from the casing, said pistons and said

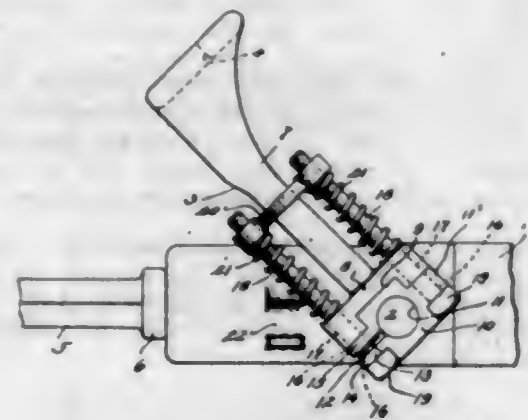
abutments forming an inner chamber, a suction orifice in the casing, a discharge orifice in the casing, a channel extending through one of the said abutments and adapted when said one abutment is opposite said suction orifice to cause fluid trapped in the inner chamber of said pump to be drawn therefrom.

1,516,054. DUPLEX TOASTER. ALICE LEE MOTT LAU, Far Rockaway, N. Y. Filed Sept. 29, 1920. Serial No. 413,515. 41 Claims. (Cl. 219-19.)



1. An appliance comprising a base having a transverse seat; a bracket standard at each end of the base; a pair of opposed substantially parabolic reflectors mounted on said standards respectively and having their peripheries spaced apart; a heating unit placed on each standard substantially in the focus of the reflector; and a removable support slidable into said seat means on said support to hold material between said reflectors in position to be heated on both sides simultaneously by heat rays from both of said reflectors and units.

1,516,055. DRILL RETAINER. GUSTAVE M. NELL, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Filed July 27, 1923. Serial No. 654,176. 4 Claims. (Cl. 121-32.)

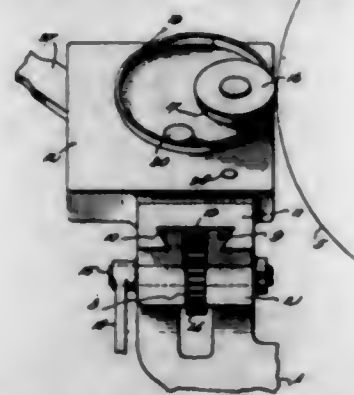


1. In a device of the class described, the combination with a front head of a drill having lugs on the opposite sides thereof, of a drill steel retainer comprising a yoke, blocks pivotally connected to the lugs, the side arms of the yoke being slidably engaged with the blocks, and means for yieldably connecting the blocks with the lugs and the yoke with the blocks.

1,516,056. PISTON-RING-DRESSING MACHINE. GEORGE W. OLSON, Muskegon, Mich., assignor to Muskegon Piston Ring Co., Muskegon, Mich., a Corporation of Michigan. Filed Oct. 19, 1922. Serial No. 595,507. 6 Claims. (Cl. 51-103.)

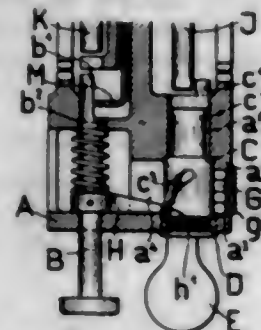
1. Means for supporting a piston ring relative to a grinding wheel, comprising a reciprocating base, a work holder thereon, a shiftable guide wheel on said work

holder adapted for yieldingly holding a piston ring against said grinding wheel so that said piston ring may be revolved about its center by said grinding ring



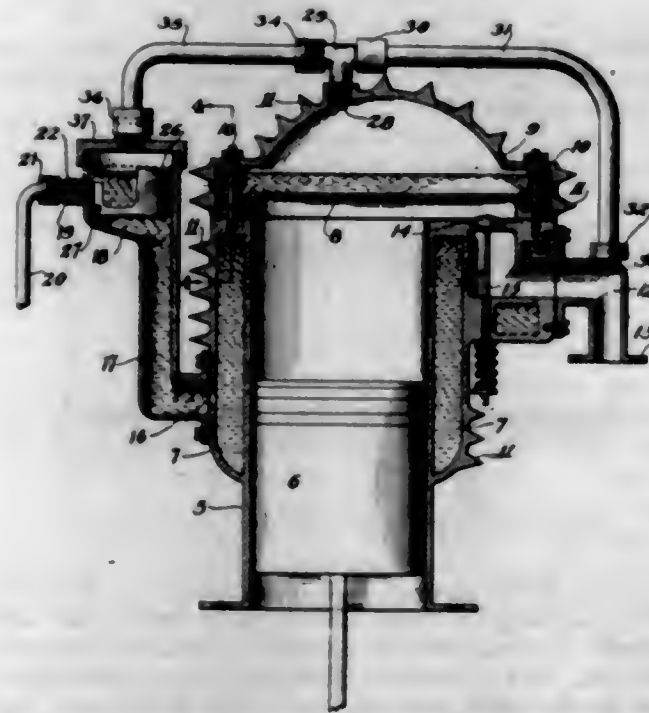
to have its outer wall ground, and an adjustable bell crank articulated with said guide wheel for shifting said guide wheel.

1,516,057. KEY LOCKING DEVICE FOR CASH REGISTERS. EDUARD OSTMEYER, Essen-Margarethenhohe, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Oct. 26, 1921. Serial No. 510,507. 3 Claims. (Cl. 70-46.)



1. The combination with a sliding element of a locking device comprising a key controlled locking member rotatable in unlocked position and means connecting said locking member to said sliding member whereby said locking member is rotated upon a displacement of said sliding member.

1,516,058. WATER SYSTEM FOR INTERNAL-COMBUSTION ENGINES. ALBERT MOORE PORTER, Linn County, Kans. Filed Sept. 27, 1923. Serial No. 665,233. 6 Claims. (Cl. 123-170.)



6. In an internal combustion engine, the combination of a cylinder, a head therefor, a dome-shaped water jacket for the head and a separate water jacket for

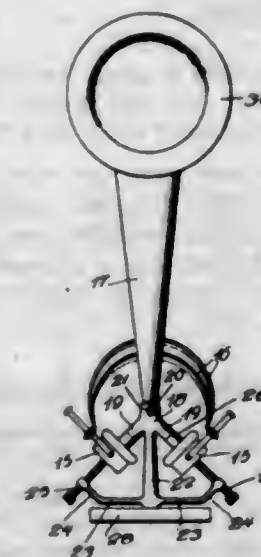
the cylinder, said water jackets being in communication, a float chamber with a passageway leading from its bottom to the cylinder jacket, a float within the chamber, a water supply pipe for the float chamber, a valve for said pipe controlled by the float so as to maintain the water at a constant level within the dome-shaped water jacket and also within the float chamber, said level being above the highest point of the cylinder jacket, and a branched pipe directly connecting the upper part of the float chamber and the upper part of the dome-shaped water jacket with the intake of the engine, whereby a partial vacuum is maintained in said dome-shaped water jacket and said float chamber during the operation of the engine.

1,516,059. PROCESS AND APPARATUS FOR MAKING EXPANDED METAL. EDWARD T. REDDING, Swissvale, Pa., assignor to Consolidated Expanded Metal Companies, a Corporation of Pennsylvania. Filed Feb. 28, 1921. Serial No. 448,401. 8 Claims. (Cl. 164-6.5.)



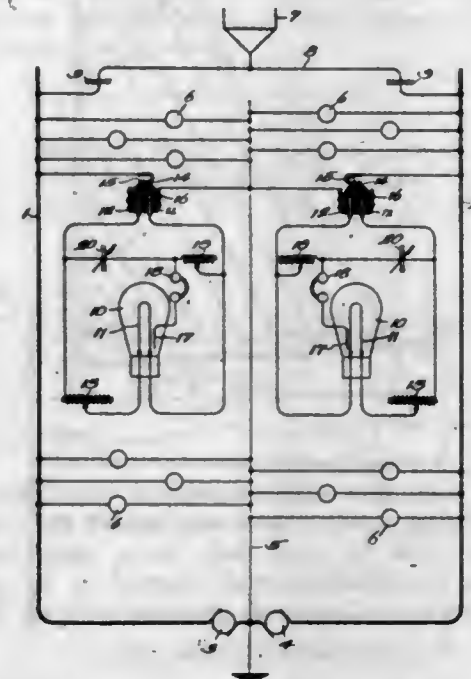
1. The herein described process of producing a substantially flat sheet of metallic fabric from a previously formed sheet of Golding fabric which consists in turning over the end portions of the sheet of Golding fabric approximately into the plane of the sheet to be formed and in passing the sheet through rolling means to turn over the strands and connecting bridges.

1,516,060. AMPLIFIER. JOHN THOMAS RHAMSTINE, Detroit, Mich. Filed Apr. 22, 1922. Serial No. 556,031. 4 Claims. (Cl. 170-146.)



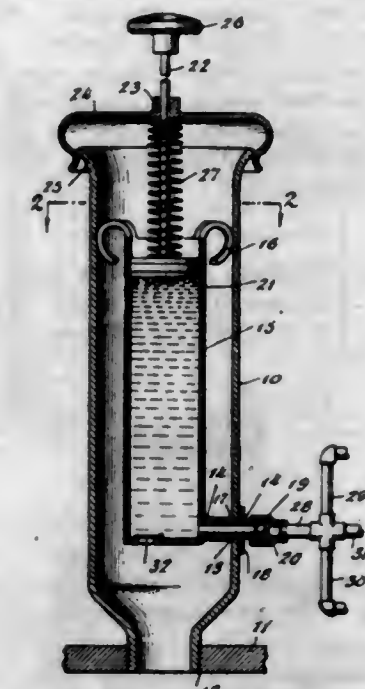
1. In a sound amplifier, a bracket having inverted T-shape at one end and inverted Y-shape at its other end with the Y hollow for connection at its shank to a sound amplifying horn, and clamping means mounted on the branches of the T end of the bracket for engaging receivers and binding the same against the hollow branches of the Y.

1,516,061. WIRELESS RECEIVING SYSTEM. HARRY O. RUGH, Chicago, Ill., assignor to Rugh and Noble, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Nov. 16, 1922. Serial No. 601,305. 5 Claims. (Cl. 250-20.)



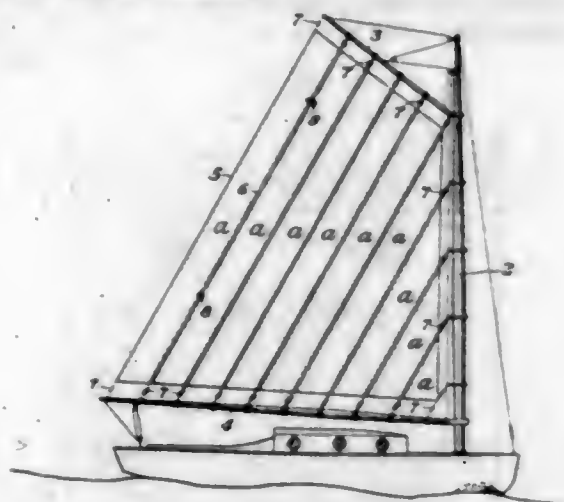
4. A wireless receiving system including a circuit; a source of current between the sides of the circuit, one of these circuit sides being grounded and the other ungrounded; a current rectifying bulb having a filament in bridge of the circuit sides and an electrode associated with the filament, this electrode being nearer the end of the filament which is connected with the ungrounded circuit side than the other filament end; and a responsive device subject to the rectified current.

1,516,062. AUTOMOBILE LUBRICATING DEVICE. CHRISTIAN RUMOHR, New York, N. Y. Filed Oct. 20, 1923. Serial No. 669,670. 8 Claims. (Cl. 184-11.)



3. The combination with the breather pipe of an automobile, of a receptacle interposed within said breather pipe to intercept a portion of the oil being poured into said pipe to the crank case of the automobile, connections leading from said receptacle to certain of such parts of the automobile as require periodic oiling, whereby the intercepted portion of said oil will be supplied to said parts, a piston within said receptacle, and resilient means to normally urge said piston into said receptacle to force the oil contained therein through said connections.

1,516,063. SAIL. FREDERICK A. SCAMMELL, Johnstown, Pa. Filed Dec. 14, 1923. Serial No. 680,576. 5 Claims. (Cl. 114-105.)



1. A sail composed of a number of vertically extending strips placed side by side, and means for connecting the opposite ends of each strip to a boom or a gaff enabling one longitudinal edge thereof to be tightened and the other to be loosened, substantially as described.

1,516,064. COMPOSITION FOR THE REMOVAL OF PAINT, VARNISH, ENAMEL, GREASE, ETC. FRANK P. SCHMIDT, Quincy, Ill. Filed Sept. 2, 1922. Serial No. 586,006. 3 Claims. (Cl. 87-5.)

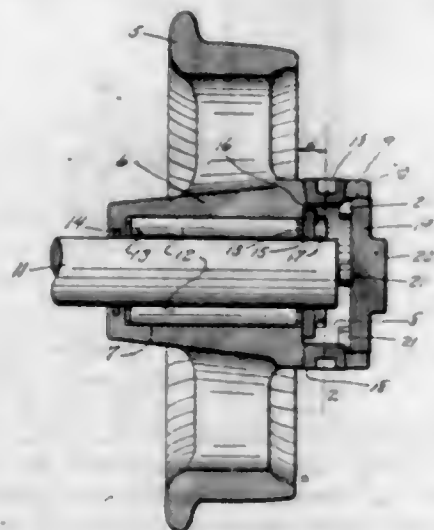
3. A paint and varnish remover consisting of the following ingredients in approximately the following proportions:

Oxalic acid.....	8 oz.
Alcohol.....	1 gal.
Denaturing agent.....	3%

1,516,065. PRODUCTION OF SHOW CARDS, ADVERTISEMENTS, SIGNS, DECORATIONS, OR THE LIKE BY STENCILING. HERBERT H. SCOTT and GEORGE MCINTOSH SCOTT, London, England. Filed Mar. 26, 1923. Serial No. 627,932. 5 Claims. (Cl. 41-26.)

1. A method of producing vitreous enamel metal signs and other decorative articles, comprising, applying a vitreous enamel composition through a mesh and onto a vitreous enamel surface, and heating the product to an enamel fusing temperature.

1,516,066. CAR WHEEL AND HUB CAP THEREFOR. FRANKLIN B. THOMAS, Denver, Colo. Filed Mar. 22, 1924. Serial No. 701,110. 7 Claims. (Cl. 295-44.)



1. The combination of a wheel having an annular hub extension that is open at its outer end and forms a lubricant reservoir chamber with a peripheral inlet opening

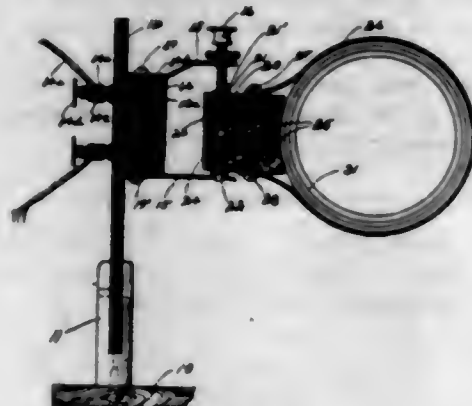
thereto, a detachable plug for said inlet opening of sufficient length to project within said chamber, and a hub cap for threaded attachment to said annular extension to close said outer open end thereof, which hub cap is provided with a suitably spaced pair of lugs for extending within said chamber, in association with said inlet opening, to receive the projected end of said plug therebetween.

1,516,067. CORN-HUSKING MACHINE. FREDERICK E. TUCKER, Giltner, Nebr. Filed Apr. 18, 1922. Serial No. 554,931. 3 Claims. (Cl. 56-117.)



1. In a wheel husking machine having inclined gatherers, reciprocable snapping bars placed in parallel vertical planes in juxtaposition to said gatherers and substantially at the same longitudinal inclination and provided with cutting edges on their top sides, carrying aprons alongside of said bars, yieldable gripping elements mounted to oscillate transversely to said snapping bars and beneath the same, and operating means for the bars actuated by the vehicle wheels.

1,516,068. RADIO INDUCTANCE-COIL MOUNTING. CECIL E. WALTON, Cincinnati, Ohio. Filed Sept. 15, 1920. Serial No. 410,448. 15 Claims. (Cl. 175-300.)



15. The combination of a base; two terminals fixed to said base; and a swinging coil holder having two terminals oscillatorily mounted upon said base terminals.

1,516,069. DIE-ROLLED BLANK. WILLIAM P. WITHEROW, Pittsburgh, Pa., assignor to Witherow Steel Company, Neville Island, Pa., a Corporation of Pennsylvania. Filed Sept. 9, 1922. Serial No. 587,200. 5 Claims. (Cl. 29-153.)

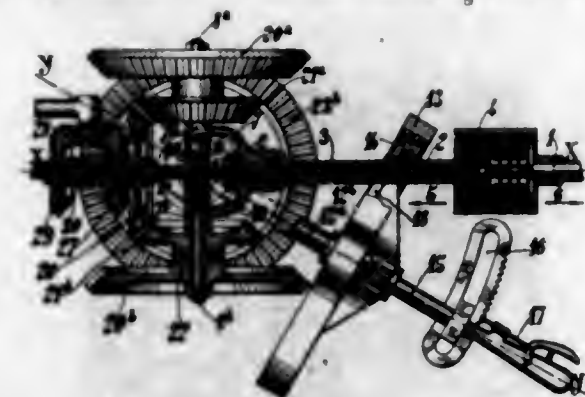


1. As an article of manufacture, a rolled blank having a flash, and indicia on said flash at spaced points, substantially as described.

1,516,070. PROGRESSIVE CHANGE-SPEED GEAR. CHARLES AMEDEE-MANNHEIM, Paris, France. Filed Dec. 4, 1922. Serial No. 604,867. 4 Claims. (Cl. 74-54.)

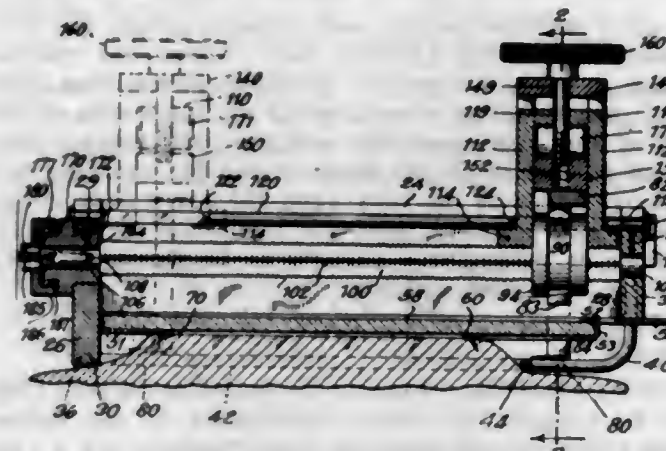
1. In a progressive change speed gear, a Cardan joint comprising a spider having four arms at right angles and two supports each pivoted on two arms forming an

extension of the spider, four toothed bevel wheels gearing together and each loosely mounted on each arm of the spider, selectors connecting two opposed wheels of these four wheels to the corresponding support, two bevel



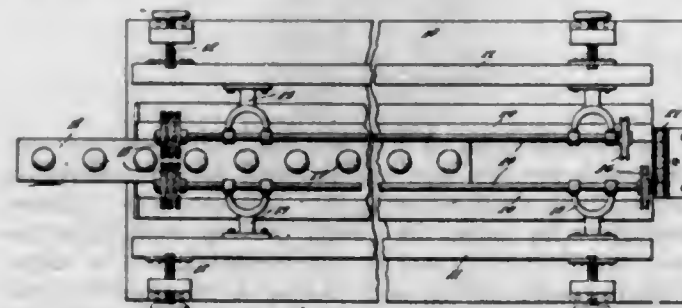
pinions loosely mounted on the arms of the spider carrying the two other wheels, selectors connecting the latter pinions to the latter wheels, a driven pinion gearing with the latter pinion, a driven shaft on which is secured this driven pinion.

1,516,071. METHOD OF PERFORMING SKIN-GRAFTING OPERATIONS AND SURGICAL INSTRUMENT USED THEREFOR. STANLEY L. APOLANT, Jersey City, N. J. Filed Nov. 2, 1921. Serial No. 512,183. 33 Claims. (Cl. 128-305.)



1. The method of performing a skin grafting operation which consists in holding the epidermis taut and stripping it from a body and applying the taut epidermis to the body of the person on whom the graft is to be made.

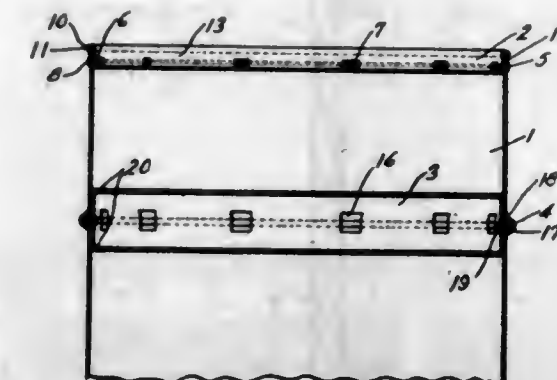
1,516,072. APPARATUS FOR FORMING RINGS OR BEADS ON THE NECKS OF TOY BALLOONS. NELT BARR, Lorain, Ohio, assignor to The Barr Rubber Products Company, Lorain, Ohio, a Corporation of Ohio. Filed Aug. 23, 1921. Serial No. 494,741. 3 Claims. (Cl. 18-2.)



1. In an apparatus for forming beads or rings on the ends of the necks of toy balloons, a table having a pair of oppositely disposed brushes, means for rotating the brushes in opposite directions, means for supporting the brushes so that they may be adjusted toward and from

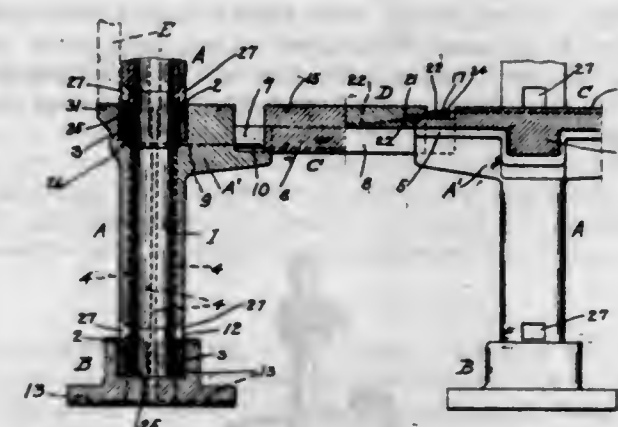
each other, guide means for a member carrying a longitudinal row of balloon forms, said guide means extending lengthwise of the table so that the balloon forms may be caused to pass in succession between the brushes, and means for adjusting the guide means so that the portion of the balloon forms passing between the brushes may be raised and lowered.

1,516,073. METAL KEG. RALPH E. BLACKFORD, Middletown, Ohio. Filed Jan. 2, 1923. Serial No. 610,153. 13 Claims. (Cl. 220-5.)



1. A metal keg, including in combination with the heads of the keg, the body of the keg having a series of circumferentially arranged apertures formed therein, a band inside the keg adjacent said apertures, reinforcing said body, and having a corresponding series of looped projections formed integrally with said band and extending outwardly through said apertures and means outside the keg interlocked with said projections.

1,516,074. CONCRETE BUILDING CONSTRUCTION. FREDRIK G. BORG, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,868. 11 Claims. (Cl. 72-15.)



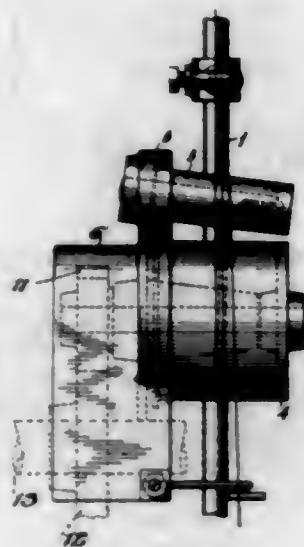
1. Concrete building construction comprising columns and T-girders initially fabricated separately, said columns comprising capitals having sunken panels and brackets provided with recesses in their upper surfaces on the sides thereof to which girder connections are to be made, and said T-girders comprising stems and flanges proportioned, respectively, to enter and rest upon the bottoms of said recesses and to rest upon the sunken panel portions of the column capitals in spaced relation to the opposed surfaces of said column capitals, forming channels, and means for connecting said column capitals and T-girders when erected, to form a unitary structure, consisting of reinforcing bars embedded in said capitals and T-girders which project therefrom into the channels between opposed surfaces thereof the ends of which overlap, whereby, when said channels are filled with concrete the overlapping ends of said reinforcing bars will become embedded therein.

1,516,075. TWINE HOLDER AND TAKE-UP. HARRY J. BOWER, Camden, N. J. Filed Sept. 13, 1923. Serial No. 662,369. 3 Claims. (Cl. 242-143.)



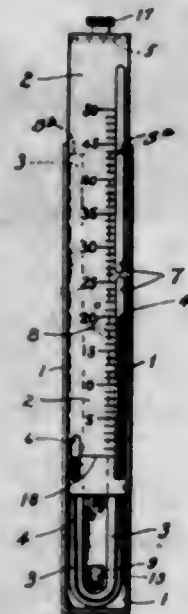
1. In a twine holder a base; a telescoping standard secured to said base; means for holding the section of the standard in various adjustments; a cup for placing a ball of twine; shank carried by said cup, said shank being adapted to fit over the upper end of said standard; a tension roll journaled in the shank; a weight adapted to slide up and down in the standard, said weight having a pulley journaled therein; a guide roll also journaled in the standard, whereby twine leading down from the ball held in the cup may be passed around the tension roll, pulley and guide roll.

1,516,076. FEED ROLL FOR SPINNING MACHINES. EDWARD E. BRADLEY, Stonington, Conn., assignor to Atwood Machine Company, Stonington, Conn., a Corporation of New Jersey. Filed Oct. 18, 1922. Serial No. 595,376. 7 Claims. (Cl. 117-21.)



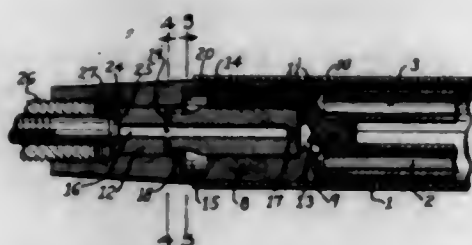
1. In a device of the character described, a feed roll of one diameter, and an inclined idler roller of relatively smaller diameter around which the thread is passed.

1,516,077. PRESSURE AND VACUUM GAUGE. ERIC R. BROKVIST, Brooklyn, N. Y. Filed July 12, 1921. Serial No. 484,055. 13 Claims. (Cl. 73-31.)



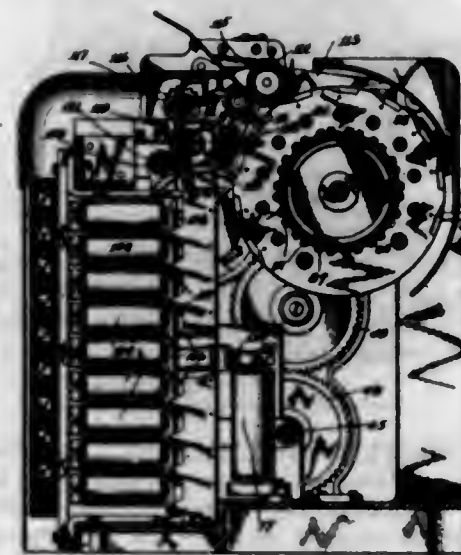
1. In a portable vacuum and pressure gauge, the combination of a casing having a face and an end slidable thereon to form a cover, a U-shaped transparent indicating tube mounted in said casing with the ends of the arms of the tube open and adjacent the movable end, and means carried by the movable end for engaging and sealing the ends of the tube when the cover is in closed position, and exposing them for connection of either to a source of pressure or vacuum to be measured when the cover is in open position.

1,516,078. TORCH. WORTHY C. BUCKNAM, Jersey City, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 9, 1921. Serial No. 476,122. 3 Claims. (Cl. 158-27.4.)



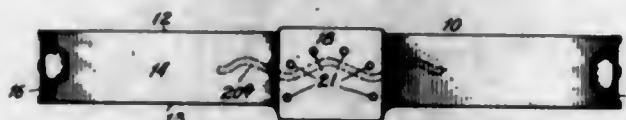
1. An oxyacetylene or like welding torch, having supply conduits for the separate gases, a head formed with a longitudinal cavity having an annular side chamber intermediate its ends, the cavity having communication toward the rear with one of the conduits, and a mixer-plug fitting said cavity and having a longitudinal passage and a plurality of lateral passages opening into the longitudinal passage and supplied from said annular chamber in the head, the head being further formed with a longitudinal channel leading from the other conduit at one side of the cavity and delivering into said annular chamber toward the forward wall thereof.

1,516,079. LISTING MACHINE. FRED M. CARROLL, Endicott, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Sept. 30, 1922. Serial No. 591,584. 62 Claims. (Cl. 101-93.)



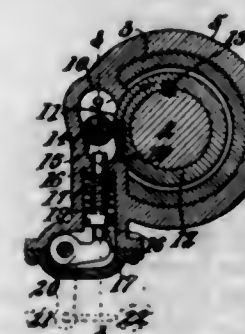
1. In combination, a rotatable element, a type member pivotally mounted upon said member, and means movable into the path of said type member during the rotation of the element for actuating the type member and for swinging the type thereon in an epicyclic path into printing position.

1,516,080. LOCOMOTIVE PILOT BEAM. GEORGE S. CHILES, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a Corporation of Ohio. Filed Nov. 23, 1923. Serial No. 676,470. 3 Claims. (Cl. 105-173.)



1. A pilot beam having rear and front walls, the latter wall provided with a coupling seat, and a reinforcing member rigidly connecting said rear and front walls in longitudinal alignment with said coupling seat and comprising a corrugated web extending in a general horizontal plane.

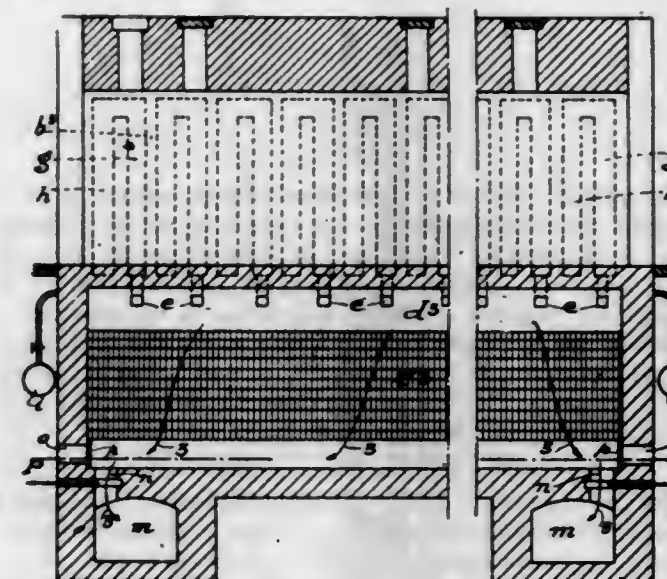
1,516,081. SAFETY DEVICE FOR MOTOR VEHICLES. HORATIO G. COTKENDALL, Berkeley, Calif. Filed May 24, 1924. Serial No. 715,590. 2 Claims. (Cl. 138-30.)



1. In combination with a motor driven vehicle having a variable speed and direction controlling mechanism, a rotatably mounted driven member, a fixed part adjacent thereto provided with a cam groove intersected by the periphery of the shaft, a cam roller therein normally engaging the shaft for interrupting the rotation thereof in

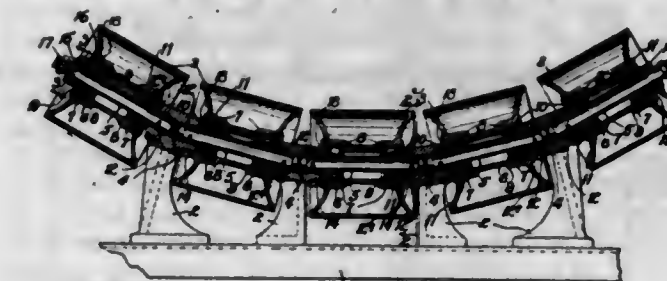
one direction, a reciprocating plunger movable into engagement with the cam roller to retain the same in inoperative position, a lever for operating the plunger, and a connection between the lever and variable speed and direction controlling mechanism whereby the cam roller is thrown into inoperative position on the movement of said variable speed and direction controlling mechanism into reverse position.

1,516,082. COKE OVEN. RAOUL CRAVAT, Brussels, Belgium. Filed Jan. 17, 1921. Serial No. 437,927. 3 Claims. (Cl. 202-9.)



1. In coke ovens of the regenerative type, the combination of coking chambers, heating flues in the walls between adjacent chambers, regenerators arranged under said chambers extending over substantially the whole length of said walls, upwardly extending ducts connecting said regenerators to said heating flues, conduits in both end walls of each regenerator affording direct communication between the outside air and both ends of said regenerators, two galleries arranged in parallel beneath all of the regenerators and at the respective ends thereof, other conduits establishing communication between the galleries and the respective ends of the regenerators and positioned adjacent the first mentioned conduits, and valve members mounted in the regenerators for alternately covering each of said conduits and consequently regulating communication between the regenerators and the galleries and the regenerators and the outside air, substantially as and for the purposes set forth.

1,516,083. ROLLER CONVEYER. GEORGE W. CURTIS, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 26, 1923. Serial No. 664,849. 11 Claims. (Cl. 198-192.)



4. In a roller conveyer construction, a series of axes disposed end to end, a conveyer roller on each of said axes, each conveyer roller having a hub portion, conical roller bearings interposed between the ends of said hub portions and the respective axes, thimbles mounted on the opposing ends of said axes, the thimbles of each axle

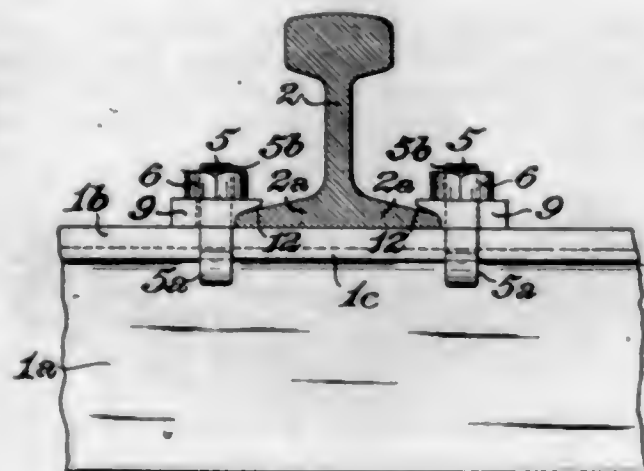
abutting against the thimbles of adjacent axles, the end of each of said thimbles bearing against the inner bearing member of a roller bearing, and means for moving the inner bearing members of the endmost roller bearings along their axles thereby to adjust said endmost roller bearings and the other roller bearings in series.

1,516,084. BUILDING FORMED OF FRAMES, SECTIONS, OR ELEMENTS. MICHEL EDOUARD JEAN ANTOINE CUYPERS, London, England. Filed July 18, 1923. Serial No. 652,309. 9 Claims. (Cl. 20-4.)



1. In a building, an element for forming the walls comprising a rectangular frame having two vertical members and two horizontal members forming the four edges of the element, vertical coating boards on one side and horizontal coating boards on the other side of the frame, and a longitudinal ridge on the top and bottom edges of the element, a face of said longitudinal ridges being flush with the side of the element.

1,516,085. RAIL FASTENER. WILLIAM DALTON, Schenectady, N. Y. Filed Mar. 21, 1924. Serial No. 700,855. 9 Claims. (Cl. 238-338.)



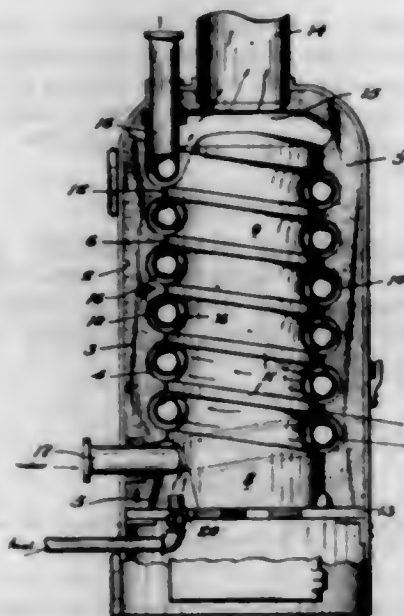
1. Means for securing railroad rails to metal ties, comprising a bar, adapted to engage the rail flange and having eyes in its ends; and short hook-shaped bolts, adapted to pass through said eyes and engage under the edges of the head of the tie.

1,516,086. HINGE. JAMES DAVIDSON, Montreal, Quebec, Canada, assignor to The Thos. Davidson Mfg. Co., Limited, Montreal, Quebec, Canada. Filed Sept. 17, 1923. Serial No. 663,278. 2 Claims. (Cl. 16-128.)



1. In a hinge, a barrel extending from the hinged part, and a hollow hinge pin extending through said barrel and through hinge lugs and having its wall outwardly splayed over said lugs and plugged ends.

1,516,087. HEATING APPARATUS. LEOPOLD B. DE LAITTE, San Francisco, Calif., assignor, by mesne assignments, to May Erdin, San Francisco, Calif. Filed June 14, 1920. Serial No. 388,866. 2 Claims. (Cl. 122-20.)

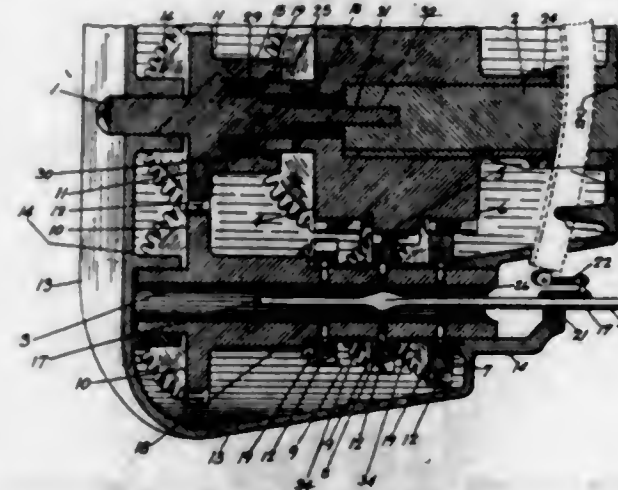


1. A water heater comprising a shell having a cylindrical inner surface in which a helical groove is formed, a core having a cylindrical outer surface in which a helical groove is formed, the core fitting within the shell with the two grooves in registry, so that a helical passage is formed through which gas is constrained to pass helically, a helical water conduit extending through said passage and being spaced from the walls of said passage and means for introducing hot gases of combustion into said passage at one end.

1,516,088. TRAFFIC TRANSMISSION MACHINE. CHARLES I. DICKERSON, Duchesne, Utah. Filed Apr. 30, 1924. Serial No. 710,141. 2 Claims. (Cl. 74-59.)

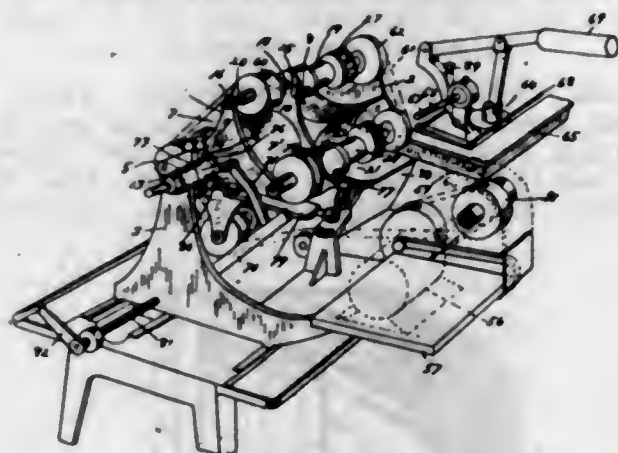
1. The combination in a power driven machine, having varying speed gears; a driving shaft having a fixed gear, a clutch pocket having recesses and a horizontal shaft extension through and beyond the clutch pocket; an ellipsoidal reduction in said shaft extension; a driven shaft in alignment with said drive shaft; gears of varying diameter thereon having a hub, one end extended beyond the gears to enter the clutch pocket mentioned and carrying radially extensible pins adapted to enter the recesses; the other end of said hub extended beyond the gears and provided with an annular groove to receive the engaging fork of a control lever, said pins operated by the ellipsoidal reduction of the shaft extension; a

hollow counter shaft, upon which revolve gears, each gear revolving independently; radial thrust pins carried by the counter shaft, which engage said counter gears; a



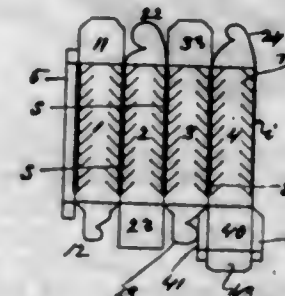
prolate ellipsoidal thrust bolt operating in said hollow shaft to actuate said thrust pins substantially as set forth.

1,516,089. BABBITTING MACHINE. CHARLES W. EGGENWEILER, Detroit, Mich., assignor to General Aluminum & Brass Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 5, 1920. Serial No. 363,447. 23 Claims. (Cl. 22-123.)



1. In a babbitting machine, the combination with rotatable means for holding a plurality of hollow bearing backs, of means for forcibly feeding molten babbit successively into the bearing backs.

1,516,090. CARTON. BENJAMIN L. GARY, Newark, N. J., and JOSEPH F. MEEHAN, New York, N. Y. Filed Mar. 28, 1923. Serial No. 628,174. Renewed Oct. 3, 1924. 3 Claims. (Cl. 229-51.)



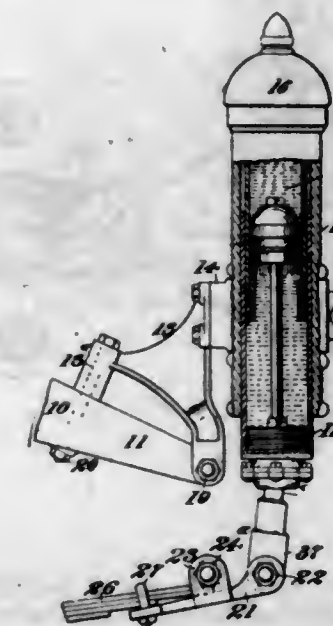
1. A carton of the character designated, angular in cross section, and having the angles scored to form prescribed lines of severance, and also formed with diagonal reinforcement embossments convergent toward said prescribed lines of severance, substantially in the manner and for the purpose set forth.

1,516,091. CLOTHES DRIER. WILLIAM E. GORDON, Gerrardstown, W. Va. Filed Jan. 31, 1924. Serial No. 689,731. 2 Claims. (Cl. 68-34.)



1. A clothes drier consisting of a hub having a rim portion, of a series of screw threaded holes arranged around the periphery of said rim portion, of a series of spokes screwed in said holes each of the said spokes consisting of a horizontal portion, an eye portion and a portion extending at an oblique angle to the said horizontal portion, and a circular member threaded through each eye portion of said spokes.

1,516,092. FRAME SUSPENSION. LUCIEN R. GROSS, San Francisco, Calif., assignor to Pneumatic Cushion Co., San Francisco, Calif., a Corporation of Arizona. Filed Aug. 27, 1919. Serial No. 320,227. 4 Claims. (Cl. 267-32.)

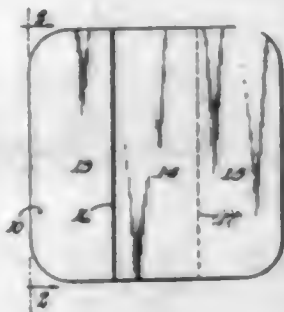


1. The combination with a frame and axle of a vehicle and a leaf spring for supporting the frame on the axle, of a telescopic cushioning device interposed between the vehicle frame and one end of the leaf spring, and connecting means for the cushioning device including a three-point bracket rigidly connected to the vehicle frame, one point of connection of the bracket being that ordinarily used for connecting the leaf spring, the second point of the bracket adapted to be rigidly secured to the frame, and the third point of the bracket adapted to rigidly secure the cushioning device.

1,516,093. SEAT. WILLIAM F. GUBBINS, Chicago, Ill. Filed Apr. 14, 1921. Serial No. 461,414. 1 Claim. (Cl. 155-182.)

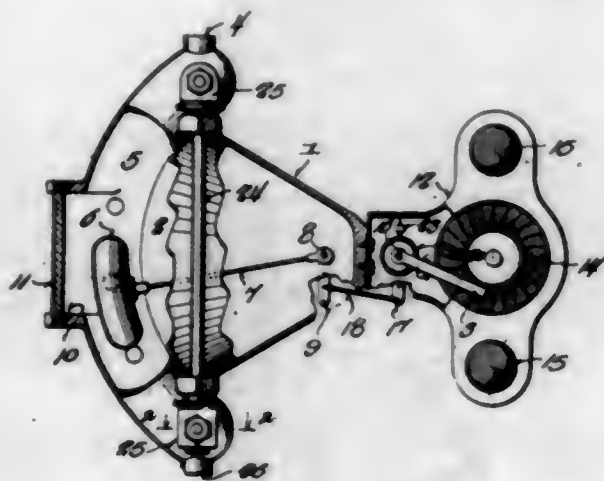
A seat made of fibre sheets, with corrugated paper-filler interposed between such sheets, and divided by

substantially parallel cuts, preferably running at approximately right angles to the corrugations, into several



portions; each of said cuts penetrating one of the fibre sheets and the corrugated filler, but not the other fibre sheet; substantially as described.

1,516,094. WATER-LEVEL-RECORDING DEVICE. WILLIAM C. HACKMAN, Milwaukee, Wis., assignor, by direct and mesne assignments, to Hackman Manufacturing Company, Milwaukee, Wis. Filed July 3, 1922. Serial No. 572,540. 1 Claim. (Cl. 234-10.)

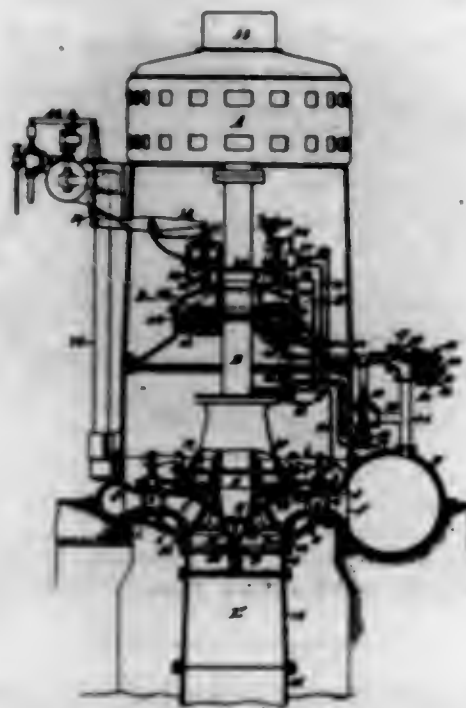


In a water level recording device including a sector shaped housing having a flat base opposite a curved portion, a transversely disposed float shaft journaled in the wall of the housing near the base thereof having one end extended through said housing, a float carrying arm secured to the shaft and a lever secured to the extended end of the shaft, the combination of a recording device casing directly secured to the flat base of the housing, a stylus pintle journaled in the walls of the casing and having one end projecting therethrough, a lever secured to said end, and a link connecting the pintle lever whereby parallel motion is imparted to the levers through rise and fall of the float arm.

1,516,095. HYDRAULIC TURBINE PLANT. MAX HARBELIN, Maplewood, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 13, 1922. Serial No. 567,933. 18 Claims. (Cl. 253-24.)

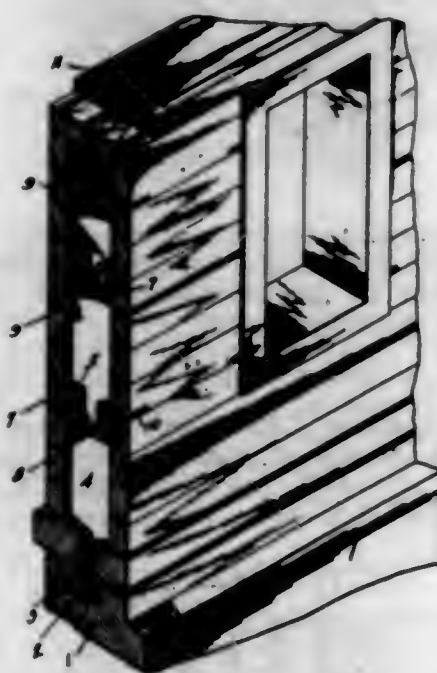
6. In a hydraulic plant, the combination, with a hydraulic turbine, means for adjusting the supply of water

to the turbine, and a speed governor driven by the turbine and arranged to control said adjusting means, of



a liquid brake driven by the turbine, and means determined by the speed of the turbine for actuating the liquid brake to check the speed of the turbine.

1,516,096. BUILDING CONSTRUCTION. FRANK R. HAHN, Decatur, Ill., assignor of fifteen per cent to A. G. Clark, St. Paul, Minn., and fifty-one and two-thirds per cent to W. P. Landon, Rochelle, Ill. Filed Sept. 7, 1918. Serial No. 252,989. 13 Claims. (Cl. 72-1.)



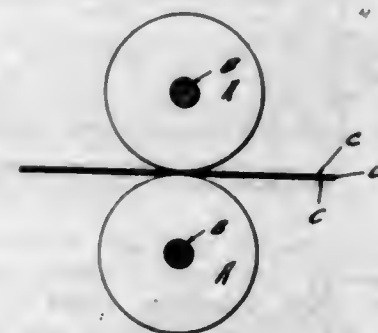
1. A construction of the character described including in combination, the following units cast of plastic material, a foundation unit having a longitudinally extending recess formed therein, a plurality of vertical studs each having a reduced portion at its lower end adapted to fit into said recess and having a plurality of cut out portions providing shoulders at various places throughout its length, a plurality of longitudinally extending supporting members adapted to fit in the horizontally aligned cut out portions of the studs and slab units resting upon said supporting members and positioned therebetween.

1,516,097. APPARATUS FOR EDUCATIONAL PURPOSES. ALBERT L. HAMILTON, Newark, N. J. Filed Feb. 20, 1924. Serial No. 695,998. 7 Claims. (Cl. 35-9.)



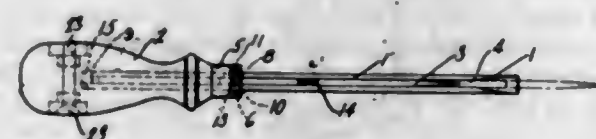
1. In combination, a lower disk divided into sectors each provided with an illustration of a complete object separated from other illustrations, and a disk rotatable on said lower disk and terminating short of the illustrations and provided with sectors corresponding to said illustrations and provided with descriptive matter corresponding to said illustrations.

1,516,098. METHOD OF MAKING ROLLED METAL SHEETS. JOHN C. HEYER, Granite City, Ill., assignor to Hoyt Metal Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 31, 1922. Serial No. 548,550. 2 Claims. (Cl. 29-18.)



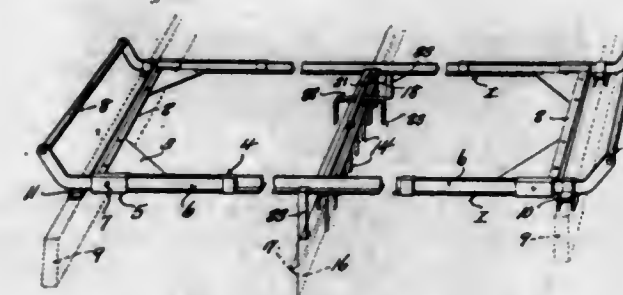
1. The method herein described which comprises interposing an impression sheet between a plurality of metal sheets and subjecting said metal sheets to pressure to provide a dull finish on the faces of said metal sheets adjacent to said impression sheet, said metal sheets only being in contact with the pressure-applying agency.

1,516,099. COMBINATION SCREW DRIVER. EARL M. HILL, Dayton, Ohio. Filed July 10, 1922. Serial No. 573,914. 3 Claims. (Cl. 7-1.)



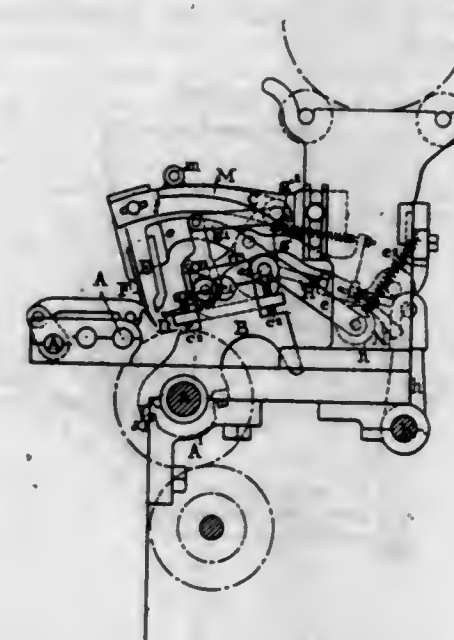
1. A tool of the character described, including in combination with a handle, a shank secured in the handle having a longitudinal groove formed therein and extended into the handle, a member operable in said groove adapted to be projected and retracted therein, and means associated with said handle and adapted to engage said member to retain the same in said positions.

1,516,100. INSTALLING BAR. WILLIAM H. HUBBARD, Oshkosh, Wis. Filed Nov. 13, 1923. Serial No. 674,515. 5 Claims. (Cl. 94-51.)



1. An installing device for concrete pavements having a center strip comprising a rigid frame, a pair of extensible supports projecting from the ends of said frame and having portions adapted to align with the marginal edges of the pavement, and a centrally located member for temporarily holding said center strip.

1,516,101. COMBING MACHINE. JAMES JOLLY, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Sept. 26, 1922. Serial No. 590,719. 17 Claims. (Cl. 19-120.)

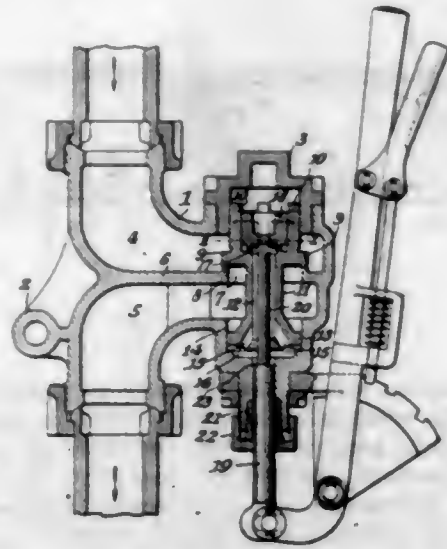


2. In a comb the combination with an oscillating frame or bracket oscillating around the axis of the cylinder of an adjustable nipper frame pivoted therein and capable of independent oscillation to bring the nipper nearer to and further from the cylinder needles as it moves to and from the detaching rollers.

1,516,102. BALANCED VALVE. LEOPOLD KASSANDER, New York, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y. Filed Dec. 5, 1921. Serial No. 520,003. 10 Claims. (Cl. 277-36.)

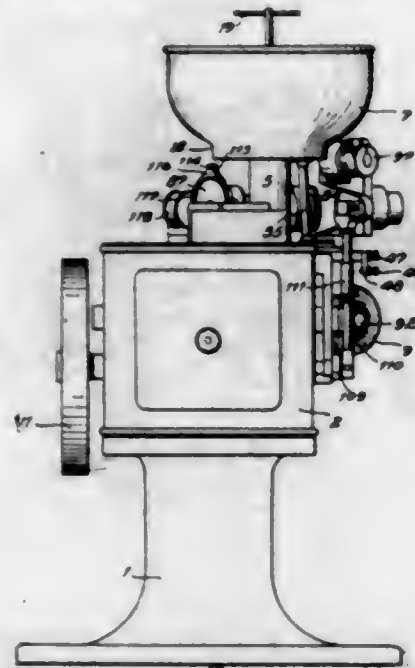
8. A valve assembly, comprising a valve casing; inlet and outlet chambers therein with a separating partition having a port for the seating of a main valve; a main valve having an upper portion of greater horizontal area than its lower and piston-like portion, said upper portion being provided with vanes slidable on the inner wall of said casing; a secondary valve with recessed top slidable on the inner wall of the main valve and adapted when seated on the main valve to close a passage in

the main valve from the inlet chamber, said passage communicating through said lower portion with a chamber beneath same and in which said lower and piston-



like portion is slidable; and a valve stem adapted to contact with and unseat the secondary valve and then the main valve.

1,516,103. GRINDING MACHINE. JEREMIAH KELLER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 2, 1922. Serial No. 585,932. 16 Claims. (Cl. 51-108.)

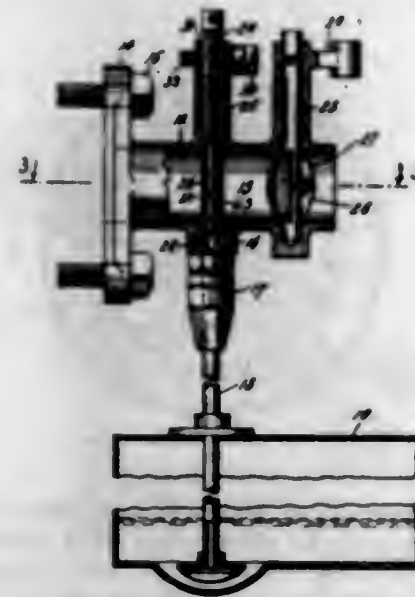


2. A grinding machine comprising a pivotally mounted arm, a grinding wheel rotatably mounted at the end of said arm and for rotating said grinding wheel, means for oscillating said arm, and a roll support rotatably mounted in such position that the end edge of a roll therein will lie in the path of oscillation of said grinding wheel, said grinding wheel being disposed obliquely with relation to the axis of the roll.

1,516,104. CHARGE-FORMING DEVICE. WILLIAM E. KEMP, New York, N. Y. Filed Mar. 29, 1921. Serial No. 458,666. 1 Claim. (Cl. 123-129.)

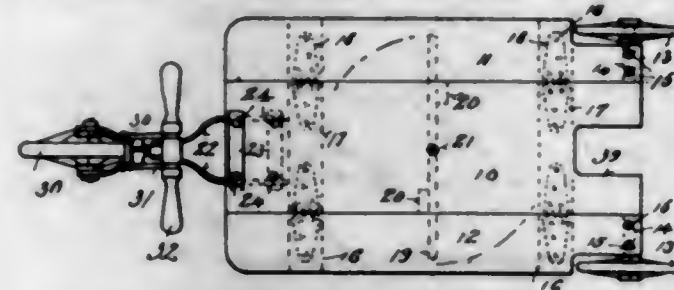
A charge-forming device, comprising a carbureting chamber, a throttle therein, a supply nozzle in said chamber between said throttle and the outlet thereof, a valve controlling said nozzle, a lever fixed to said throttle, a lever secured to said valve, a link connecting said two levers, said link being provided with a slot into which

a pivot pin on said valve lever extends, and a stop carried by said valve lever adapted to abut against said throttle lever when said throttle is substantially at the



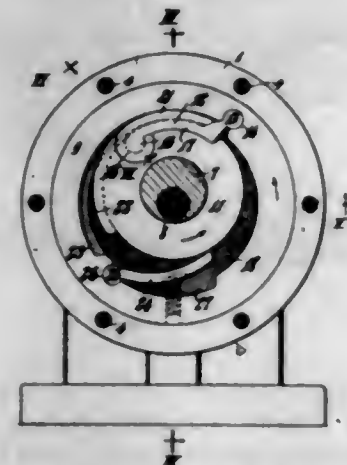
end of its closing stroke, thereby holding said valve stationary but permitting said throttle to move on its closing stroke a further distance determined by the length of said slot.

1,516,105. SCOOTER CART OR JOY RUNNER. YOKICHI KINOSHITA, Boston, Mass. Filed Mar. 3, 1923. Serial No. 622,493. 4 Claims. (Cl. 280-87.5.)



1. A convertible health exerciser in the form of a wagonette or scooter comprising a central platform and collapsible side wings, a guiding wheel attached to a medial line of the central platform and a stabilizing wheel attached to one end of each of the side wings.

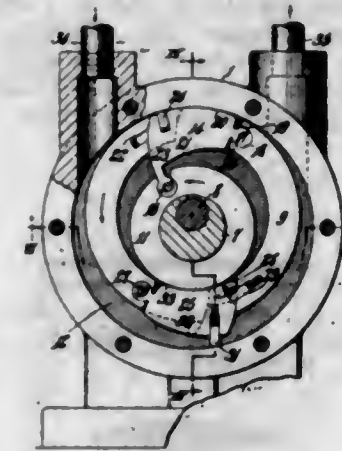
1,516,106. PUMP. GEORGE W. LEIMAN, Newark, N. J., assignor to Leiman Bros., New York, N. Y., a Copartnership composed of William H. Leiman, George W. Leiman, Gustave A. Leiman, Edward C. Leiman, and John Leiman. Filed Feb. 24, 1923. Serial No. 620,883. 21 Claims. (Cl. 230-30.)



1. A pump comprising a cylindrical casing having heads, a shaft mounted therein, a rotary element in said casing secured to said shaft, said element having a cup

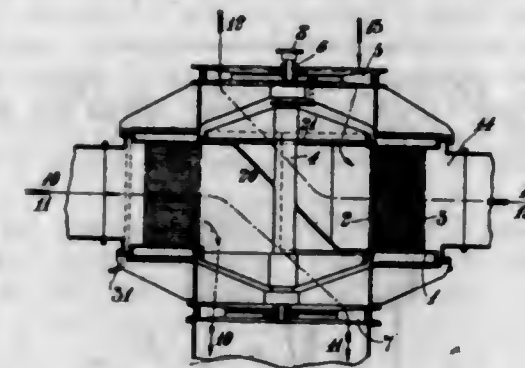
shaped chamber, a rotor mounted in said chamber, inlet and outlet ports communicating with the chamber, and means connecting the element and rotor for moving the rotor.

1,516,107. PUMP. GEORGE W. LEIMAN, Newark, N. J., assignor to Leiman Bros., New York, N. Y., a Copartnership composed of William H. Leiman, George W. Leiman, Gustave A. Leiman, Edward C. Leiman, and John Leiman. Filed Feb. 24, 1923. Serial No. 620,884. 16 Claims. (Cl. 230-30.)



1. A pump comprising a cylinder having heads, a shaft eccentrically mounted in said cylinder and heads, inlet and outlet ports for the cylinder, a rotary element in the cylinder secured to said shaft, a cup shaped chamber in said element, inlet and outlet ports for the chamber, a rotor in the chamber, and means connecting the element and rotor.

1,516,108. REGENERATIVE AIR PREHEATER. FREDRIK LJUNGSTROM, Lidings-Brevik, and NILS FREDRIK FILEMON ANDERSSON, Stockholm, Sweden, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Aug. 21, 1922. Serial No. 583,459. 7 Claims. (Cl. 110-56.)

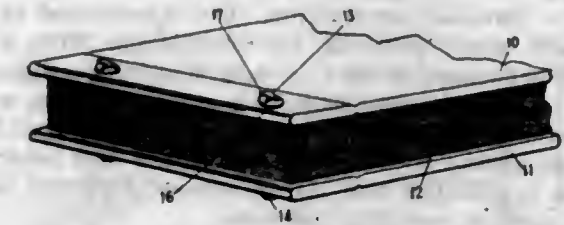


1. A regenerative preheater for air and the like in furnace plants or the like, comprising a regenerative material, a frame carrying said regenerative mass, inlet and outlet channels for the fluid giving off heat and for the fluid to be heated respectively, means for effecting a relative movement between said frame and said inlet and outlet channels, a casing surrounding the frame, and inlet and outlet openings in said casing so arranged as to permit the fluid giving off heat and the fluid to be heated to pass through the regenerative material in a radial direction of the frame.

1,516,109. BINDING MEANS FOR BOOKS AND THE LIKE. CHARLES F. MCBEE, Athens, Ohio, assignor to The McBee Binder Company, Athens, Ohio. Filed Jan. 2, 1923. Serial No. 610,139. 1 Claim. (Cl. 120-23.) A book binder comprising a bolt of substantially uniform thickness throughout the major portion of its ex-

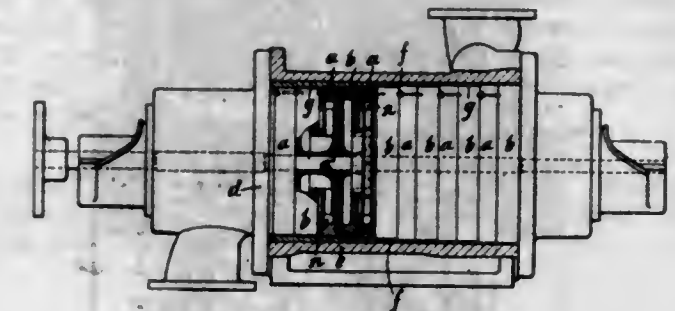
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tent, threaded on one end and tapering toward its other end, a nut to engage the threaded end, and a clutch to



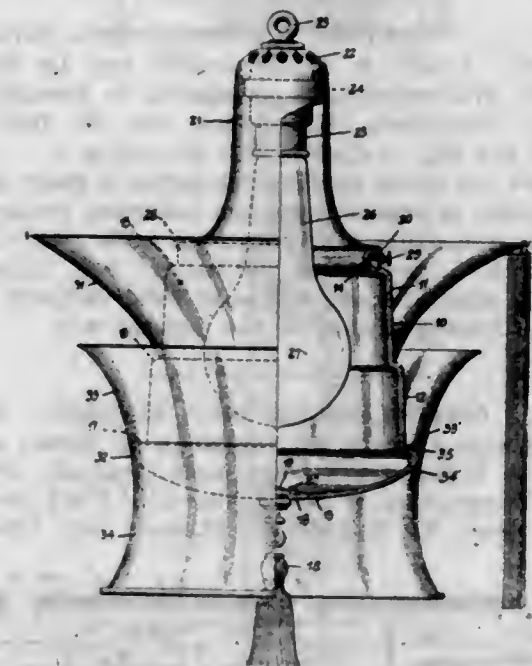
be received by the tapering end and forced to a seat on the said bolt, said tapering end being thereafter turned over the clutch.

1,516,110. MULTISTAGE CENTRIFUGAL PUMP. EDWARD NORMAN MACKLEY, Newcastle-upon-Tyne, England. Filed Jan. 22, 1923. Serial No. 614,253. 3 Claims. (Cl. 103-108.)



1. A multi-stage centrifugal pump comprising a casing, a plurality of elements therein each consisting of an impeller, a diffuser and a diaphragm, means positively attaching together the diffuser and diaphragm of each element, end plates for said casing, and means coacting with one end plate but independent of the casing for ensuring correct registration of the elements when assembled in the casing, which means also serves to prevent rotation of the elements when the pump is in operation.

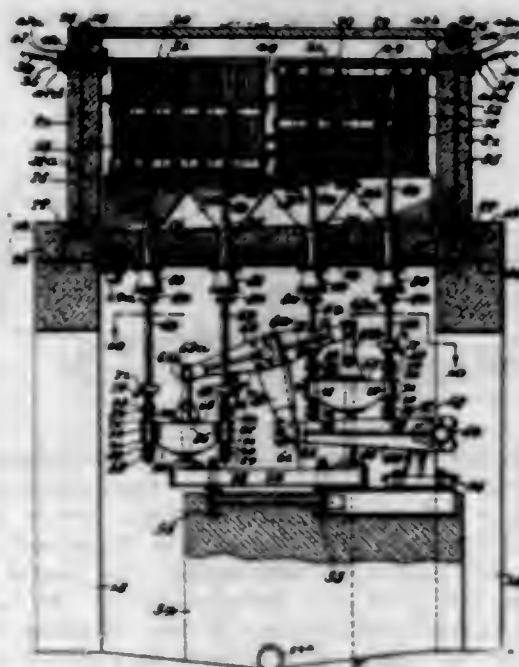
1,516,111. LIGHTING FIXTURE. FREDERICK W. MATHIEU, New York, N. Y. Filed Oct. 11, 1923. Serial No. 667,786. 7 Claims. (Cl. 240-100.)



1. A lighting fixture comprising a globe provided with an upper substantially cylindrical portion and a lower substantially cylindrical portion, said upper portion being of relatively reduced, and said lower portion being of relatively large, diameter, thus providing a stepped portion at the meeting surfaces of said upper and lower portions, said lower portion being provided with a bottom

portion of enlarged diameter providing a stepped portion at the meeting surfaces of said lower and bottom portions, said bottom portion being arranged to transmit light of a different quality from that transmitted by said upper and lower portions, in combination with a plurality of reflectors carried by said stepped portions, one of said reflectors comprising an upper portion and a lower portion, said reflector being provided with an internal flange at the boundary of said upper and lower portions for supporting said last-mentioned reflector on the stepped portion carrying the same.

1,516,112. LIQUID-TREATING APPARATUS. FRANK N. MOERK, Philadelphia, Pa., assignor to Clarence P. Landreth, Philadelphia, Pa. Filed July 10, 1923. Serial No. 650,593. 43 Claims. (Cl. 204-25.)

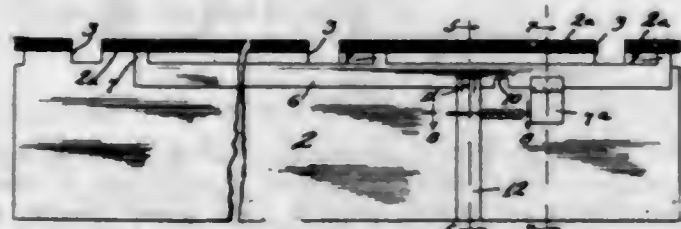


1. Liquid treating apparatus comprising a tank, agitating members disposed within said tank, operating mechanism for said members, and driving connections between said agitating members and mechanism extending through the bottom of said tank.

1,516,113. PARTING MATERIAL FOR MOLDING FLASKS. ERWIN F. MOLDENHAUER and LE ROY M. BICKETT, Watertown, Wis., assignors to Summit Mfg. Co. Inc., Watertown, Wis. Filed Jan. 27, 1923. Serial No. 615,372. 1 Claim. (Cl. 22-163½.)

A powder for use in molding consisting of finely ground solid material of substantially the following proportions, silica .008, iron oxide .001, aluminum oxide .001, calcium carbonate .577, magnesium carbonate .036, potassium oxide .002, mineral wax .375, said solid material being coated and impregnated with the mineral wax.

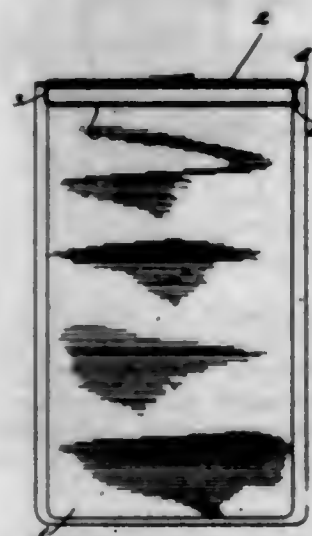
1,516,114. LOOSE-LEAF-RECORD BINDER. GEORGE W. NEWMAN, Chicago, Ill., assignor, by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill., a Corporation of Massachusetts. Filed Nov. 12, 1921. Serial No. 514,459. 3 Claims. (Cl. 129-84.)



1. In a loose leaf binder, a cover, a plurality of impaling posts, each connected at one of its ends to said cover, and means for pivotally connecting the other

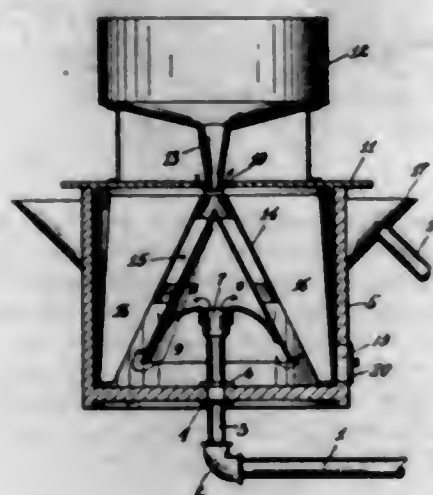
ends of said posts with said cover comprising a plate member secured to the inner side of said cover and having pintle guideways, with spaced notches for receiving said impaling posts, a hinge member having pintles slidable in said guideway for engaging said posts, said hinge member having a notch, a resilient tongue attached at one end to said plate member, and removable means positioned under said tongue for normally holding the same in elevated position above said hinge member for the purpose described.

1,516,115. MEMORANDUM BOOK. GEORGE WASHINGTON NEWMAN, Chicago, Ill., assignor, by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill., a Corporation of Massachusetts. Filed Feb. 15, 1923. Serial No. 619,002. 1 Claim. (Cl. 129-38.)



In a device of the class described, a folder, and a pad retaining strip therefor comprising a substantially rectangular loop of resilient wire, having a hook at one end for releasably engaging the other end, one side of said rectangle being exterior of the back of the folder and the ends of said rectangle extending through said folder.

1,516,116. EXTRACTOR. CHARLES A. PERRY, Healdsburg, Calif. Filed Dec. 9, 1922. Serial No. 605,945. 5 Claims. (Cl. 83-82.)

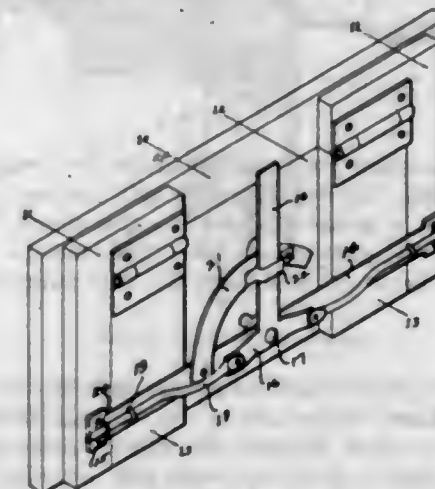


1. An extractor comprising a supply pipe ending in a discharge orifice, a receptacle into which said pipe projects, a separator cone supported by said pipe within said receptacle, said cone enclosing the discharge end of said pipe and being mounted concentric therewith, and baffle plates mounted in said receptacle around said cone to prevent the rotation of material within the receptacle.

1,516,117. METHOD OF PREPARING PICKLED STEEL SHEETS. REGINALD J. PUGH, Youngstown, Ohio. Filed Nov. 23, 1923. Serial No. 676,566. 2 Claims. (Cl. 75-198.)

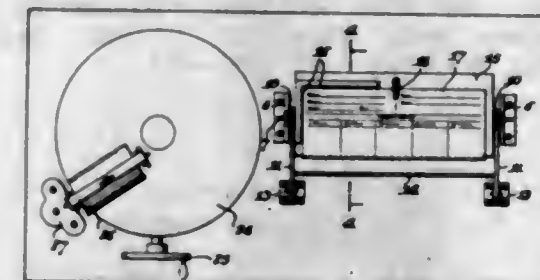
1. The treatment of iron, steel, or articles having the surface of iron or steel, which comprises the subjecting of the same to the action of sulphuric acid bath, followed by a water bath, then introduced to a liquid, consisting of: sulphate of zinc, oxide of zinc, permanganate of potash, water, sulphuric acid, muriatic acid, substantially as described for the purpose set forth.

1,516,118. END GATE. JOHN W. REGNARY, Petersburg, Nebr. Filed Apr. 20, 1922. Serial No. 555,703. 1 Claim. (Cl. 296-52.)



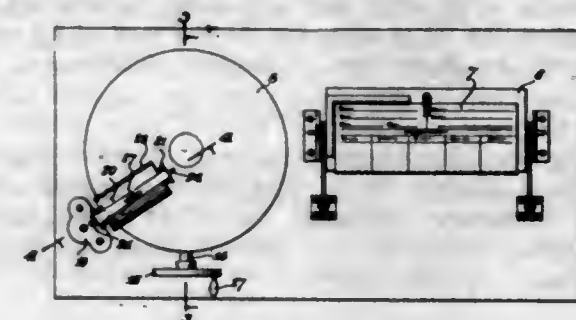
An endgate latch for use with a pivoted endgate, said latch comprising a strap which is adapted to be secured to the endgate with its extremities protruding beyond the sides of the endgate, said strap being provided with apertures in the protruding extremities, a T-shaped lever pivotally connected to said strap at its middle point, the arms of said lever being outwardly and laterally inclined, slidable links secured to the arms of said lever at their extremities, a pair of eye members secured to said strap to serve as guides for said slidable links, said eye members being provided with means passing through the strap for securing the strap to the endgate, an arcuate member secured to said strap and a latch secured to said arcuate member, said latch being adapted to engage the leg of said T-shaped lever, and a second pair of eye members which are adapted to receive the extremities of the sliding links and being adapted also to engage the apertures in the protruding extremities of the strap.

1,516,119. FINGERPRINT MACHINE. FRANCIS J. ROONEY, Philadelphia, Pa. Filed Oct. 30, 1922. Serial No. 597,819. 5 Claims. (Cl. 41-4.)



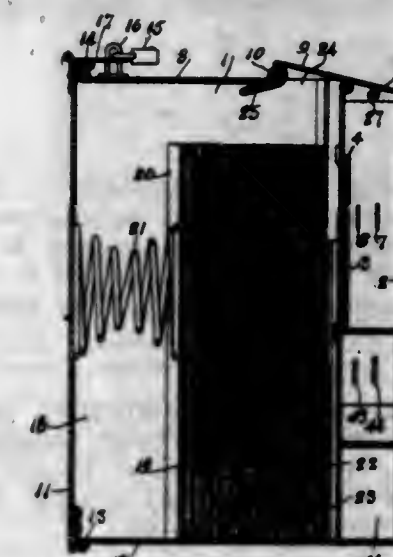
1. In a finger print machine, a platen of polygonal cross section, said platen being adapted to have a record sheet mounted thereon by wrapping the same about the several faces thereof, means for rotatably supporting said platen whereby a plurality of impression fields of said chart may be successively presented by rotating said platen and without shifting said chart with respect thereto, and the marginal edge of the working surface of the platen being unobstructed whereby the fingers of which the impressions are being taken may be properly manipulated upon the respective impression fields adjacent the marginal edges thereof.

1,516,120. FINGERPRINT MACHINE. FRANCIS J. ROONEY, Philadelphia, Pa. Filed Oct. 30, 1922. Serial No. 597,820. 4 Claims. (Cl. 101-337.)



1. An inking device for finger print machines comprising a disk member adapted to receive a supply of ink, means for rotating said disk member, an elastic roller supported above said disk member and bearing on the upper surface thereof, and means for varying the pressure of said roller against said disk, said roller being arranged with its axis of rotation approximately radial with respect to the axis of rotation of the disk member, and said axes being in fixed locations with respect to each other.

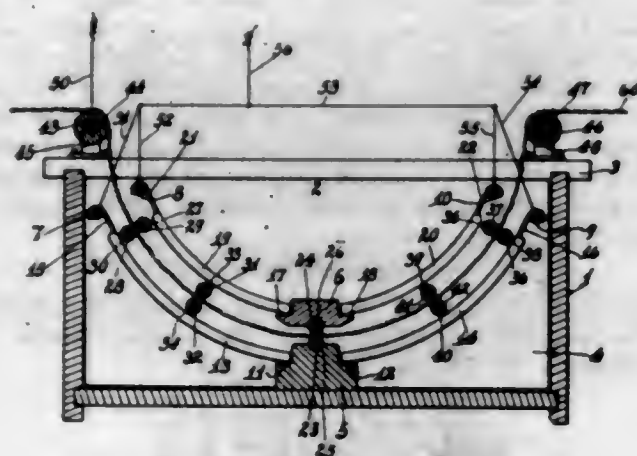
1,516,121. VENDING MACHINE. BERT E. RUPERT, Dayton, Ohio. Filed Mar. 30, 1922. Serial No. 548,090. 14 Claims. (Cl. 194-57.)



1. In combination, in a vending machine, a magazine to hold a plurality of articles, an ejector to eject said articles, a locking mechanism adapted to be unlocked

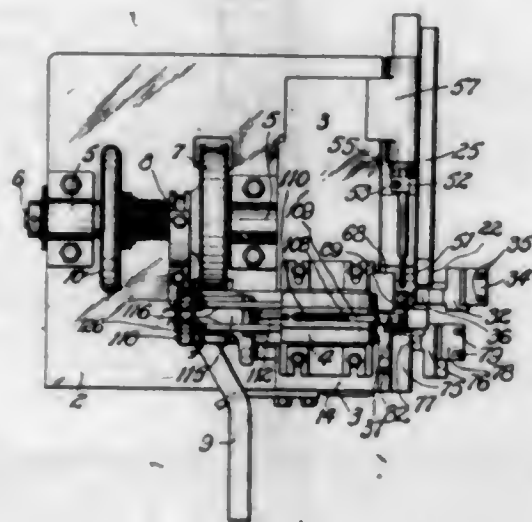
by a coin and the like to permit of the ejection of one of the articles, a movable lid to seal the point of ejection when the mechanism is in its locked position and to be swung aside when the mechanism is unlocked, and means when the lid is open for the delivery of an article to prevent the extraction of another article.

1,516,122. GALVANIZING APPARATUS. JOHN C. SCARLES, Oakland, Calif., assignor to California Wire Cloth Company, Oakland, Calif., a Corporation of California. Filed Mar. 1, 1922. Serial No. 540,102. 2 Claims. (Cl. 204-5.)



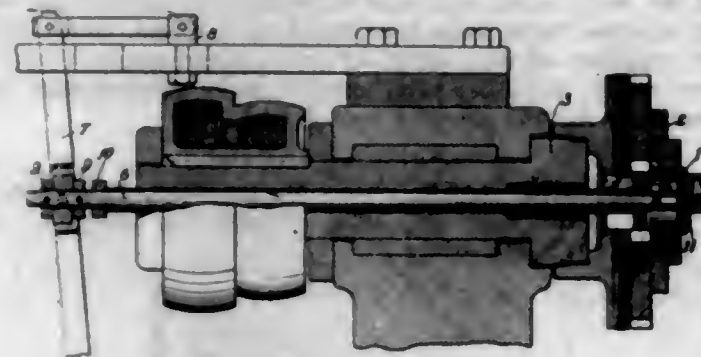
1. A galvanizing apparatus including a tank, sets of anodes suspended in said tank in superposed spaced relation, a plurality of rollers arranged in pairs in the space between the sets and journaled in said tank, between which rollers the material to be galvanized is fed.

1,516,123. GAUGING AND ASSORTING MACHINE. OSWALD SCHLAUPITZ, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed July 2, 1923. Serial No. 649,092. 20 Claims. (Cl. 83-92.)



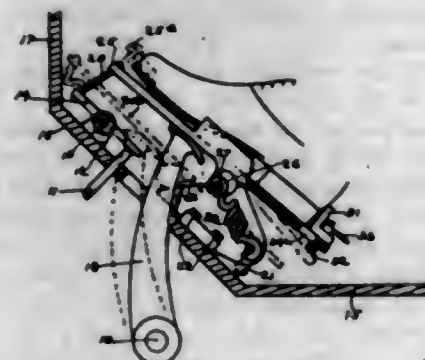
1. In a machine of the kind described, a taper gauging and indicating mechanism in combination with means for assorting the rollers according to their taper, said assorting means being operatively connected with said gauging means to be actuated thereby.

1,516,124. BORE GAUGE. OSWALD SCHLAUPITZ, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed July 14, 1923. Serial No. 651,630. 7 Claims. (Cl. 33-178.)



1. In combination with a machine for enlarging the bore of annular articles comprising a rotary chuck and hollow spindle, a gauge disposed in the chuck for gaging the bore of the annular article, and means extending through the bore of said spindle for supporting said gauge.

1,516,125. CONTROLLING-PEDAL MECHANISM. WILLARD T. SEARS, Montclair, N. J.; Mabel Helena Sears executrix of said Willard T. Sears, deceased. Filed Dec. 12, 1922. Serial No. 606,355. 9 Claims. (Cl. 74-81.)



1. In apparatus of the class described, the combination of a lever to be operated and a pedal having a sliding motion to operate said lever, said pedal having corrugations to engage the end of said lever to lessen the liability to slipping.

1,516,126. ARTICLE HOLDER. HARLEY R. SIBLEY, Kalamazoo, Mich. Filed Sept. 1, 1923. Serial No. 660,512. 6 Claims. (Cl. 232-42.)



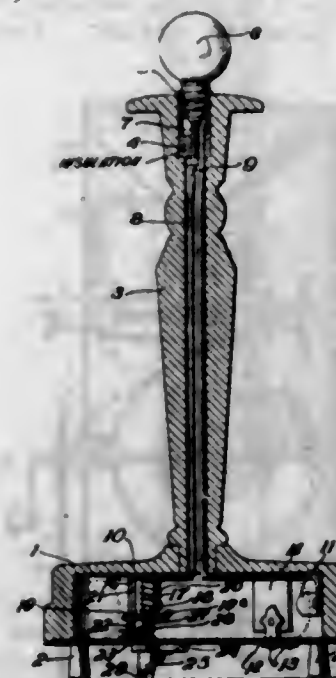
6. In a holder, the combination of a body member, coating clasp members having superimposed inner ends pivoted within said body member, said superimposed ends having openings therein aligned when said clasp members are closed, and a locking member housed within said body member and adapted to fall by gravity into the aligned openings of said clasp members when the body member is in upright position and to fall therefrom when the body member is inverted, thereby releasing the clasp members.

1,516,127. VEHICLE LICENSE PLATE. THOMAS F. SHARTZ, Oakland, Calif. Filed Aug. 31, 1920. Serial No. 407,127. 1 Claim. (Cl. 40-133.)



A device of the character described, comprising a casing having rear, side and upper and lower front walls, the front walls each having an opening therein, a lens in one of the openings, the other wall having an inwardly bent marginal flange defining the opening therein, a second inwardly directed flange within the casing spaced from the marginal flange to form a pocket and being of greater width than the marginal flange to provide an increased supporting area, a translucent screen within the pocket and a stenciled opaque license plate fitting between the flanges and resting against the translucent screen the plate and screen being of contrasting colors.

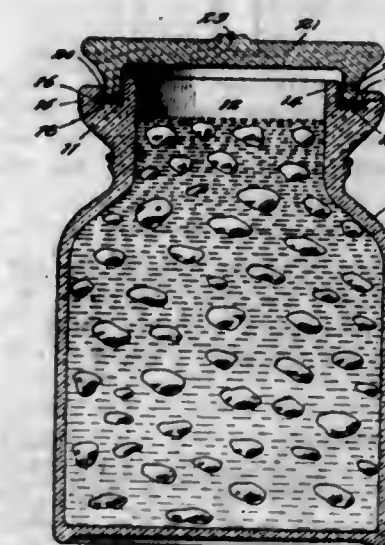
1,516,128. ELECTRIC BOUDOIR LAMP. CHARLES WACHTEL, New Hyde Park, N. Y., assignor to Leo Schlesinger & Company, Inc., New York, N. Y., a Corporation of New York. Filed June 28, 1923. Serial No. 648,266. 6 Claims. (Cl. 240-8.5.)



1. An electric lamp comprising a tubular standard, a hollow wide base supporting the standard and open at its under side, a lamp socket at the top of the standard, circuit wires connected at their upper ends to said lamp socket and extending downwardly through

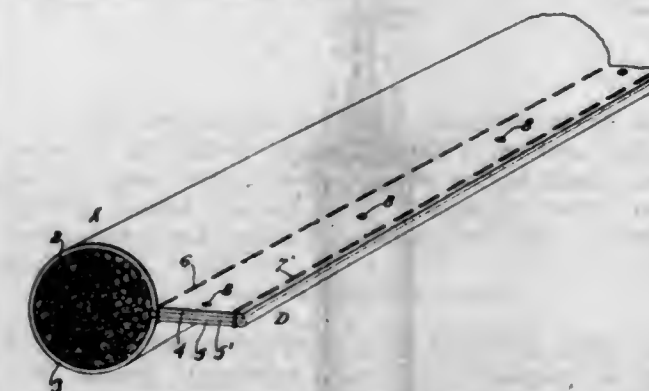
the standard into the hollow base, fixed contacts secured to the inner side of the base and connected to the said wires, a thin flat electric battery disposed horizontally in said hollow base and carrying contacts adapted to engage the said contacts secured within the base, said battery being adapted to be inserted and removed flatwise through the lower open side of the base, means for holding said battery in place, a normally closed yieldable switch in the lamp circuit and mounted in the hollow base, means operated by the weight of the lamp to open said switch, and manually operable means exterior of the lamp to move the switch operating means out of operative relation to the switch.

1,516,129. GASKET GUARD. AUGUST WIKING, New York, N. Y., assignor of forty one-hundredths to Ralph Seddon, New York, N. Y. Filed Nov. 23, 1922. Serial No. 602,671. Renewed July 11, 1924. 4 Claims. (Cl. 215-40.)



1. An open top glass receptacle provided with a pair of upstanding concentric rims defining the open top of the receptacle, said rims forming an annular gasket receiving groove therebetween, the outer rim being undercut on its inner side to form the groove of greater cross-sectional width horizontally at its bottom than at its top, an annular flexible gasket fitted in said groove, positioned below the top of the undercut rim and held against lateral movement by the rims and a closure for the receptacle having a depending flange adapted to be held in pressing engagement with the exposed upper side of the gasket and acting thereon to distort the same to fit against the undercut side of the outer rim.

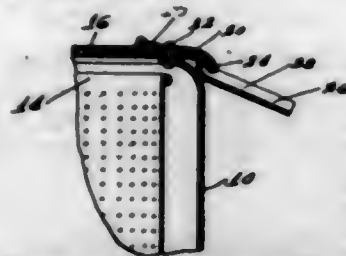
1,516,130. GASKET. EDWARD J. WIRFS, Webster Groves, Mo. Filed Jan. 8, 1923. Serial No. 611,512. 3 Claims. (Cl. 20-69.)



1. A gasket comprising an elongated body of yielding packing, a strip of flexible, pliable material having a tubular enclosing portion surrounding said packing, said strip of material also having a single ply marginal flange extending from one of the edges of said tubular

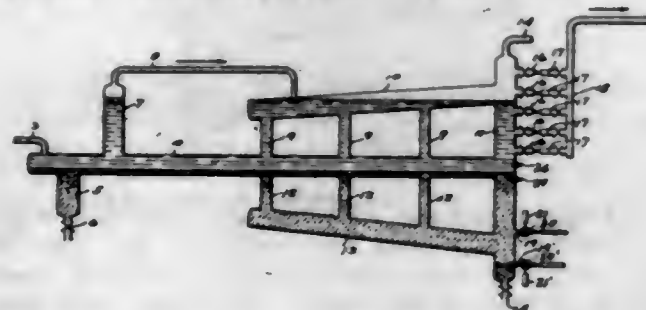
portion and a two-ply marginal flange extending from the other edge of said tubular portion, said single ply marginal flange and said two-ply marginal flange being arranged adjacent to each other to provide a comparatively stiff attaching flange, and a row of stitches at the junction of said marginal flanges and the edges of said tubular middle portion so as to confine the packing in said tubular portion.

1,516,131. WASTE-PREVENTING CHUTE FOR CENTRIFUGAL EXTRACTORS. VICTOR E. ADLAND, Chicago, Ill. Filed Sept. 26, 1921. Serial No. 503,344. 4 Claims. (Cl. 210-63.)



4. In a centrifugal extractor having a portion and a top overhanging the body portion, a chute having an end confined between said top and body portion and circumferentially adjustable of said extractor for the purpose set forth.

1,516,132. OIL AND WATER STRATIFYING DEVICE. WILLIAM R. ALLEN, Ventura, WILLIAM M. MARKER, Taft, and FRED RICHMOND, Oildfields, Calif. Filed Feb. 26, 1923. Serial No. 621,385. 1 Claim. (Cl. 210-51)



In a device for separating fluids of different specific gravities the combination of a receptacle for the fluids being separated composed of pipe sections, a plurality of electrically controlled fluid outlets adapted to be operated so as to maintain a substantially constant level of one of said fluids by difference in electrical conductivity of the different elements of the fluid mixture being separated.

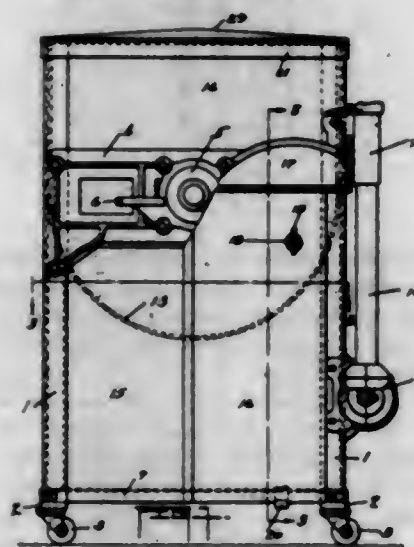
1,516,133. OPHTHALMOSCOPE CONNECTION FOR DRY-BATTERY HANDLES. WILLIAM NOAH ALLYN, Auburn, N. Y. Filed Aug. 14, 1922. Serial No. 581,084. 1 Claim. (Cl. 240-8.5.)



An ophthalmoscope connection for dry battery handles comprising a hollow coupling member rigidly secured to

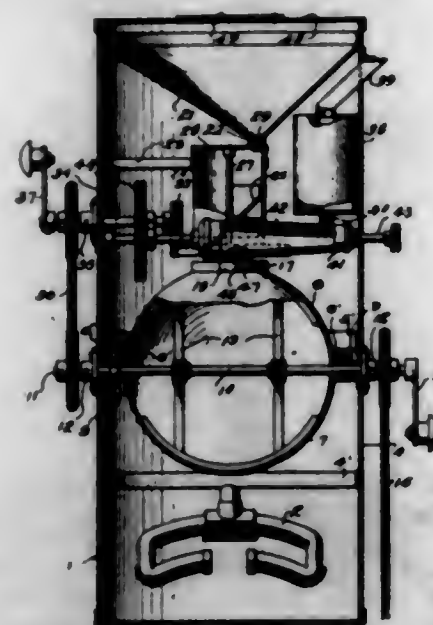
one end of the battery handle and provided with radial lugs, a sleeve slidable on the coupling member between said lugs and adjacent end of the handle and normally spring pressed against said lugs, and a hollow supporting member for the ophthalmoscope telescoping with the outer end of the first named member and engaging the outer end of the sleeve for pressing the latter inwardly against the action of its spring away from said lugs, the second named member being provided with grooves which engage said lugs by angular movement thereof relatively to the first named member for locking the two members together and holding the sleeve against the action of the spring.

1,516,134. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor, by mesne assignments, to Central Trust Company of Illinois, a Corporation of Illinois. Filed Nov. 6, 1919. Serial No. 336,023. 2 Claims. (Cl. 68-18.)



1. A cabinet for a washing machine, including four corner posts, a wall for each of the four sides of said cabinet, one of said walls being removable and having an off-set body portion, means for holding said removable wall in place, and a cover-plate for the upper end of the off-set body portion of said wall.

1,516,135. CORN POPPER, NUT ROASTER, AND MIXER. THERIDES V. BARNARD, Schaller, Iowa. Filed June 23, 1923. Serial No. 647,407. 6 Claims. (Cl. 53-4.)



1. A pop corn machine comprising a housing, a tiltable popping bowl in said housing, a corn hopper, a flavoring container, measuring and delivering means between the corn hopper and flavoring container and the popping

bowl, and means for tilting the popping bowl for discharging popped corn therefrom, said means operating the measuring and delivering means for receiving a charge of corn and flavoring material from the hopper and container for subsequent delivery to the popping bowl after the discharge operation.

1,516,136. GLASS-DRAWING BAIT AND HOLDER FOR GLASS-DRAWING MACHINES USED IN PROCESSES OF DRAWING GLASS. HECTOR BAZIN, Detroit, Mich. Filed July 26, 1923. Serial No. 653,852. 6 Claims. (Cl. 40-17.1.)



1. A combination of a bait for drawing glass, comprising a continuous element, sectionally constructed, and a tension or spring member holding said sections in contact with each other and in contact with glass novel.

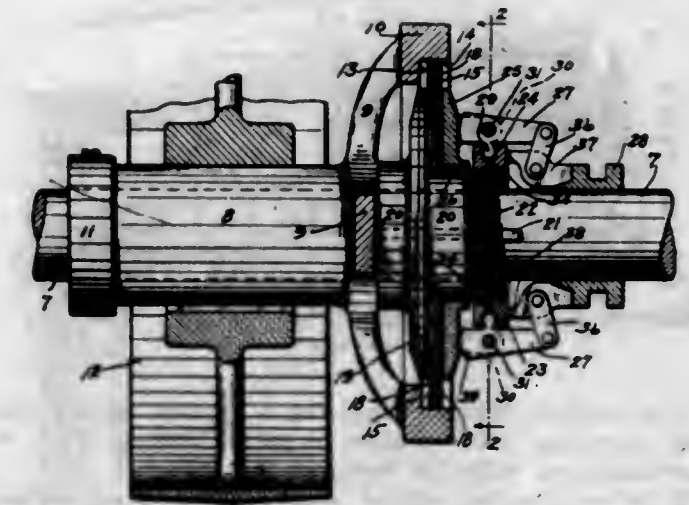
5. In a glass drawing head, a pivoted lever with a bait supporting surface, and a surface adapted to limit the pivotal motion of the said lever, by contacting with the said drawing head, and a surface adapted to receive a thrust force operating said lever to a bait supporting position, and a surface adapted to receive a thrust force operating said lever away from a bait supporting position.

1,516,137. SKEIN PACKAGE. MAX M. BERNSTEIN, New York, N. Y., assignor to Campbell, Metzger & Jacobson, New York, N. Y. Filed Apr. 4, 1924. Serial No. 704,111. 5 Claims. (Cl. 206-64.)



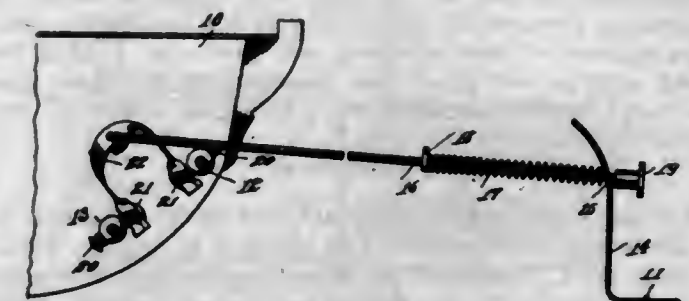
3. A skein package comprising a plurality of skeins, transparent individual wrappers surrounding each skein, each wrapper having a stub, perforations between the wrapper and the stub, a label forming a loop around one end of the skein and having its stub portion enclosed within the stub portion of the wrapper, perforations separating the label from its stub, and means for fastening the stubs of the labels and wrappers together to form a unit.

1,516,138. FRICTION CLUTCH. EMIL A. BEYL, Minneapolis, Minn. Filed Dec. 1, 1922. Serial No. 604,354. 4 Claims. (Cl. 192-68.)



1. In a friction clutch, the combination with a hub-equipped clutch member, of a second clutch member mounted on the hub with freedom for axial movement thereon, a power transmission element having a friction disc intermediate of the two clutch members, a collar outward of the second clutch member and having screw-threaded engagement with the hub, levers fulcrumed on the collar for action on the axially movable clutch member, said collar being free for rotation in respect to the levers, and provided with a plurality of circumferentially spaced holes, a lock pin arranged to be inserted into any one of said holes to lock the collar against rotation on the hub, and means for operating the levers.

1,516,139. OIL GAUGE FOR CRANK CASES. JOSEPH W. BLACK, Chicago, Ill., assignor of one-half to Floyd Davenport. Filed Apr. 19, 1923. Serial No. 633,214. Renewed Aug. 23, 1924. 7 Claims. (Cl. 137-39.)

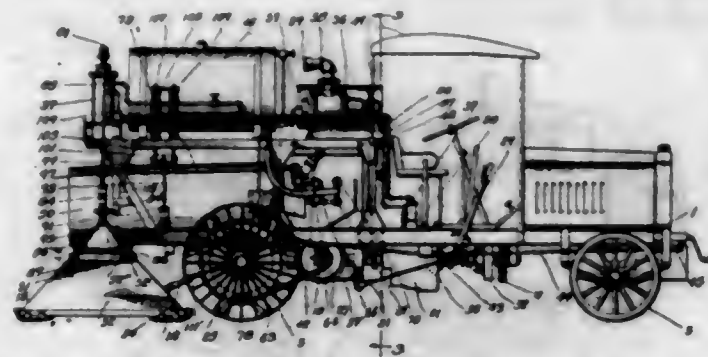


1. The combination with the fingerpieces of the petcocks of an engine crank case, of a resilient yoke having its arms normally tending to spread apart and terminally formed for embracing engagement with the said fingerpieces, and means for moving the yoke to rotate the fingerpieces.

1,516,140. COMPOSITION FOR DENTAL USE. ROBERT S. BLACK, Highland Park, Ill., assignor to Special Chemicals Company, Highland Park, Ill., a Corporation of Illinois. Filed Aug. 10, 1923. Serial No. 657,793. 6 Claims. (Cl. 167-9.)

1. A composition for dental use as a pack comprising from 5 to 25% of a potential acid incorporated in a non-ionizing anhydrous semi-solid vehicle.

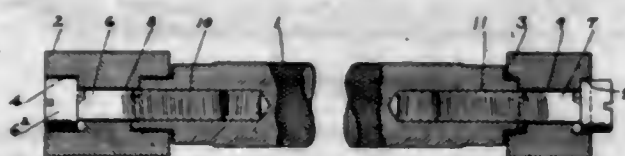
1,516,141. ASPHALT HEATER. JOHN H. BLEDSOE, Kansas City, Mo., assignor to Equitable Asphalt Maintenance Company, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 7, 1922. Serial No. 593,081. 9 Claims. (Cl. 126-271.2.)



1. A surface heater comprising a furnace having pivotal mounting and resilient support, and a hood in communication with the furnace.

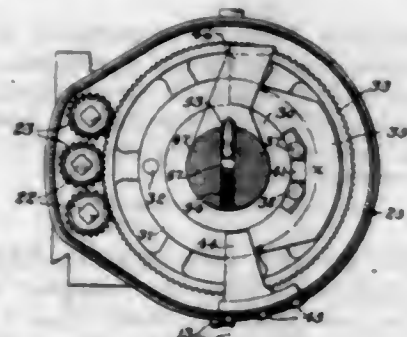
7. In combination with a motor vehicle, a superstructure carried by the chassis of the motor vehicle, a furnace pivotally supported by the superstructure and having a downwardly directed opening, means for resiliently supporting the end of the furnace distant from its pivotal portion, means for swinging the furnace about its pivotal connection, and a hood in communication with said opening and adapted for confining hot gases to heat a surface.

1,516,142. GAUGE. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 26, 1921. Serial No. 440,088. 15 Claims. (Cl. 33-178.)



1. In a gauge, the combination of a handle, a gaging head adapted to be mounted thereon with one end of the head abutting against one end of the handle, three projections on one of the said ends engaging three co-operating recesses in the other end for preventing relative rotation of such members, and means for holding the head securely seated on the handle with the three projections tightly engaged with a tripod effect in the three recesses.

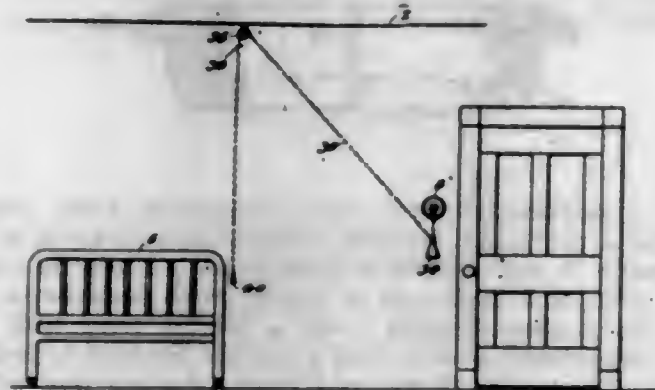
1,516,143. TOOL-FEEDING MECHANISM. HAROLD L. BLOOD, North Plainfield, and ARTHUR E. WINET, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 6, 1922. Serial No. 599,293. 12 Claims. (Cl. 90-49.)



12. In a tool feeding mechanism, the combination of a supporting frame, a feed screw, a driven element of a roller clutch operatively connected to the screw, a driving element of the clutch coaxial with the driven ele-

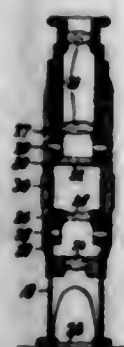
ment, roller means providing a disengageable driving connection between the elements, a stop for disengaging the roller means upon movement of the elements in one direction, a stop for disengaging the roller means upon movement of the elements in the other direction, a rotatably adjustable element carrying one of the stops, and means comprising a plurality of teeth and a latch co-operating therewith for securing the rotatably adjustable element in adjusted position, the said teeth and latch being carried one by the said frame and the other by the said rotatable adjustable element.

1,516,144. ELECTRIC CHAIN-PULL SWITCH. HUGH L. BOGGS, Muncie, Ind. Filed Feb. 20, 1923. Serial No. 620,258. 2 Claims. (Cl. 200-156.)



1. In a switch operating mechanism for a rotary snap switch having a spindle, a hub on said spindle, a ratchet faced flange on said hub, a stub-shaft carried by said hub, and in axial alignment therewith, a ratchet faced disk journaled on said stub-shaft, means for rocking said ratchet faced disk in clockwise direction to impart a like movement to said hub and a weight for rocking said disk in counter-clockwise direction.

1,516,145. THREAD COUNTER. RUDOLF BORSHARDT, St. Gall, Switzerland. Filed July 20, 1922. Serial No. 576,244. 4 Claims. (Cl. 88-39.)

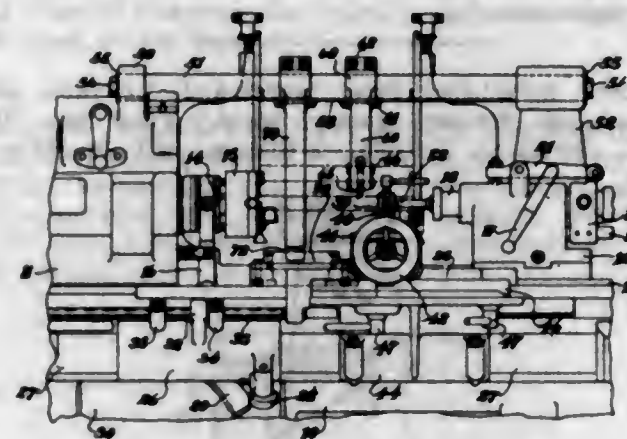


1. A thread counter comprising a tubular casing, a line-marked member slidably mounted therein, an object glass independently slidable in the casing, and common means for sliding the glass and member.

1,516,146. AUTOMATIC LATHE. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 1, 1921. Serial No. 448,906. 4 Claims. (Cl. 82-2.)

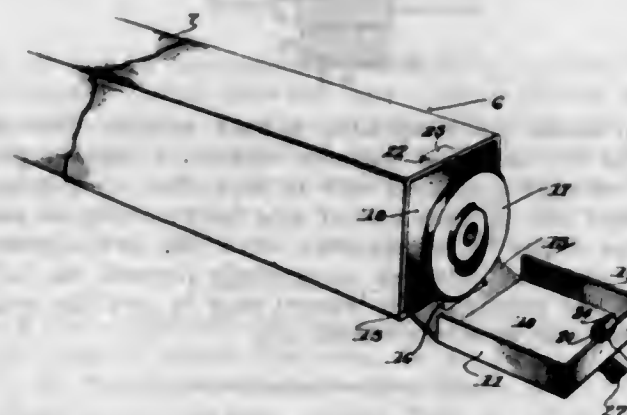
1. A lathe comprising in combination, a base, a blank holding magazine mounted thereon, transfer mechanism adapted to automatically move a blank from said magazine to operative position on said base, means to rotate said blank, a tool carriage movable longitudinally along said base, an oscillating shaft mounted above said base and transfer mechanism, a tool holding arm mounted on

said shaft, and actuating means for said tool holding arm to move a tool on said arm transversely of said base into and out of blank engaging position at different pre-



determined positions of said carriage, said actuating means comprising an arm connected to said shaft and engaging co-acting means on said tool carriage.

1,516,147. CONTAINER. WILLIAM L. BUEIDINGEN, Milwaukee, Wis. Filed June 29, 1921. Serial No. 481,286. 2 Claims. (Cl. 206-52.)



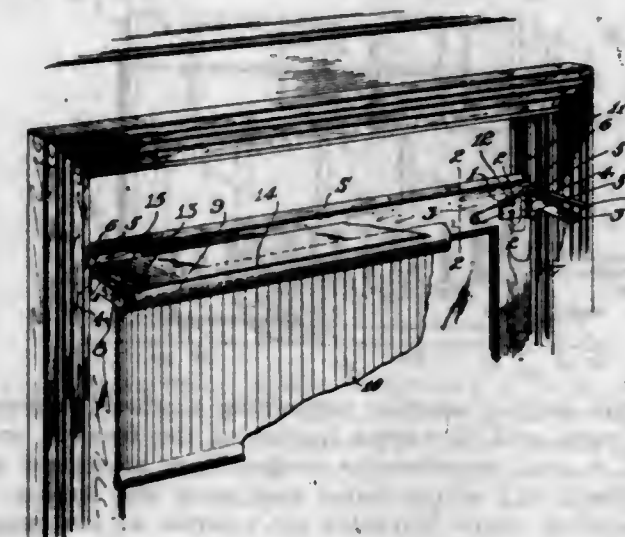
1. A container of the class described having an open end, a closure for the opening provided with inwardly directed flanges, coacting catch members carried by the container and one flange of the closure for holding the latter in a closed position, a recess formed in a second flange of the closure and adapted to receive therein a portion of the article within the container for withdrawing the same when the closure is opened, a catch member engageable with one wall of said recess, and said catch adapted to further hold the closure in a closed position.

1,516,148. AXLE HOUSING. FREDERICK C. BURKHARDT, Buffalo, N. Y., assignor to The Crosby Company, Buffalo, N. Y., a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,984. 6 Claims. (Cl. 74-56.)



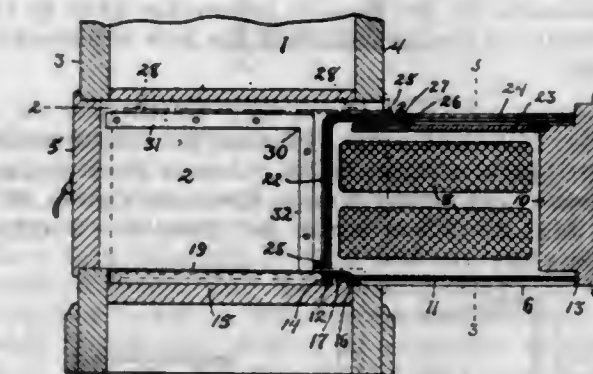
1. An axle housing comprising two sections each of which has a tubular outer arm and a forked inner part the branches of which are adapted to co-operate with the correspondingly shaped inner part of the companion section to form a gear case and the forked ends of the two sections having a lap fit with each other.

1,516,149. WINDOW-SHADE BRACKET AND SHIELD. CHARLES H. CRANE, Newark, N. J. Filed Apr. 17, 1923. Serial No. 632,644. 7 Claims. (Cl. 156-24.)



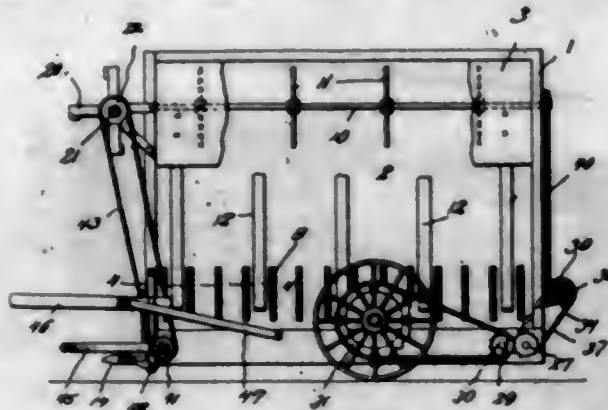
7. A shade and shield supporting bracket comprising a pair of flat sheet metal sections formed with cooperating pivot openings, one of said sections being adapted to be secured to an upper sash of a window in substantially the plane thereof and the other of said sections being formed to receive and support one end of a shade roller, and a rod having one end passing through said pivot openings to hingedly connect said sections and the other end arranged at an angle to said first-mentioned end and of a length to support one end of a shield for said shade roller, whereby said second-mentioned section and said second-mentioned end of said rod may normally project at substantially right angles to said sash to support a shade roller and a shield therefor and may be swung into a position substantially parallel to the plane of said sash and flat against the same to permit the upper sash to pass the lower sash of a window.

1,516,150. SERVICE CABINET. GEORGE R. CRAW, Fort Wayne, Ind. Filed Sept. 4, 1923. Serial No. 660,675. 5 Claims. (Cl. 232-1.)



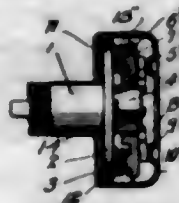
5. In a service cabinet for the reception of goods, a chambered repository including a door for the removal of goods therefrom; a movable receiving member extending into the chamber of the repository independent of said door; said receiving member having an inlet opening; a lid controlling the inlet opening of the receiving member; and means controlling communication between the chamber of the repository and the receiving member operable to close communication therebetween and lock the receiving member in its outermost position, and to prevent opening of said lid when moved to open communication between the said chamber and receptacle, and being inoperable to close communication between said chamber and receptacle when the receptacle is moved from its outermost position into the chamber.

1,516,151. STALK-CUTTING MACHINE. ALDRIDGE DILLEHAY, Allen, Tex. Filed Mar. 14, 1924. Serial No. 699,350. 1 Claim. (Cl. 56-60.)



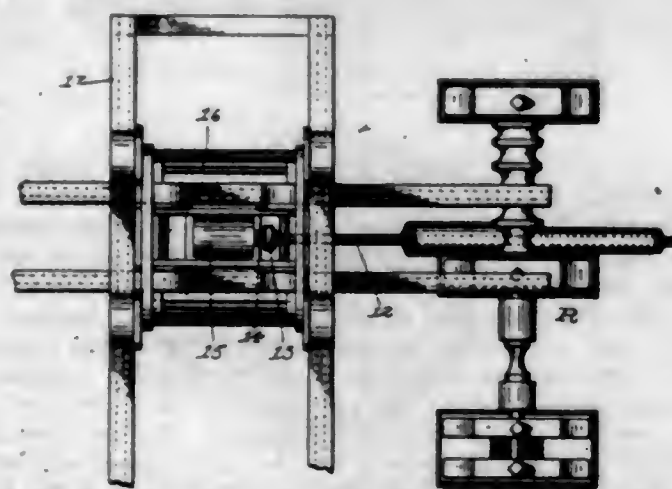
A stalk cutting machine comprising a wheel mounted frame, stalk guiding fingers located at the forward end thereof, a knife mounted for reciprocatory movement at the forward end of the frame and below the fingers, a stalk bending means journaled for rotation at the upper forward portion of the frame, stalk beaters mounted upon a shaft, said shaft being journaled at the upper portion of the frame and disposed longitudinally thereof, stalk guides located below the stalk beaters, a shaft journaled at the lower portion of the stalk guides and disposed longitudinally of the frame, spaced saws mounted upon the last mentioned shaft and having peripheral portions disposed within the stalk guides, and a conveyor mounted at the lower portion of the frame and extending longitudinally thereof and disposed under the stalk guides and the saws.

1,516,152. DOORKNOB. JOSEPH R. DEMONT, Kansas City, Mo. Filed Apr. 23, 1923. Serial No. 634,148. 5 Claims. (Cl. 292-347.)



1. In combination with a lock spindle, a knob, and clutch connection normally locking the knob to the spindle displaceable by the knob to permit the knob to turn independently of the spindle when the lock is abnormally restrained.

1,516,153. PROCESS AND APPARATUS FOR PRODUCING HOLLOW STEEL BARS. JAMES PAUL GORMAN, Watervliet, and HENRY FRANK WEGLARZ, Cohoes, N. Y. Filed Jan. 9, 1920. Serial No. 350,440. 2 Claims. (Cl. 80-62.)



2. An apparatus for producing hollow steel bars which consists of rolling means for reducing the bars by successive passes, means for supporting and rotating a core-

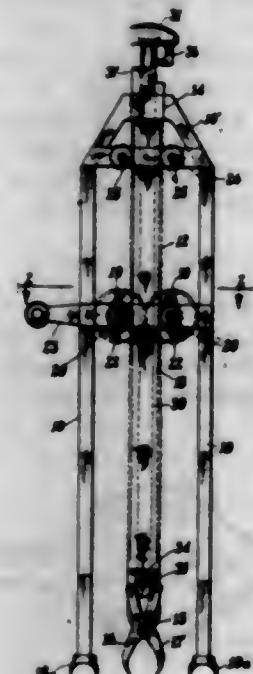
bar within the steel bar during each rolling operation, means permitting shifting of the core-bar into axial line corresponding to each pass through the rolls, and means permitting advancing the core-bar axially during each rolling operation.

1,516,154. BOWLING PIN. ARTHUR J. LEMIEUX and DONALD M. WELSH, Quincy, Mass. Filed Nov. 19, 1921. Serial No. 516,355. 3 Claims. (Cl. 46-66.)



1. A candle pin comprising a body portion, fiber tip members for both end surfaces thereof, a tapered plug driven through a tapered hole in each fiber tip and into a tapered hole in each end of said body portion to hold the tips firmly in engagement with the end surfaces thereof and pins extended transversely through the body portion and through each tapered plug to lock the plugs and fiber tips upon the candle pin.

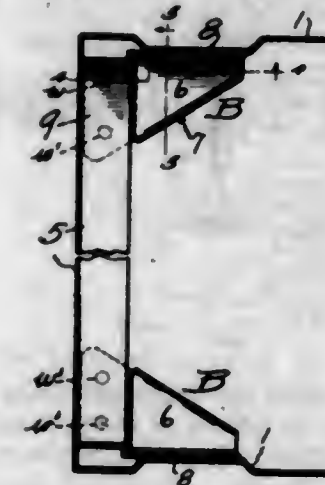
1,516,155. NAIL-PULLING DEVICE. EMIDIO SANTARELLI, Montreal, Quebec, Canada. Filed July 17, 1924. Serial No. 726,587. 1 Claim. (Cl. 254-18.)



A nail puller comprising a frame, a nail gripping bar, a pair of nail gripping tongs pivoted to the lower end of said bar, and means for forcing the gripping ends of said tongs toward one another, comprising a rod extending longitudinally through the bar and having a crosspiece on its lower end projecting between the upper ends of

the said tongs, a head rotatably mounted on the upper end of said rod, and a hook depending from said head and adapted to engage a complementary part on said bar to hold the rod in position with the crosspiece on lower end thereof retaining the tongs in gripping relation to the head of the nail.

1,516,156. BRACE FOR SUPPORTING CROSSBARS OF FILING CABINETS. FRED A. SCHMITZ, Cleveland, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed May 25, 1921, Serial No. 472,542. Renewed July 30, 1924. 8 Claims. (Cl. 45-2.)

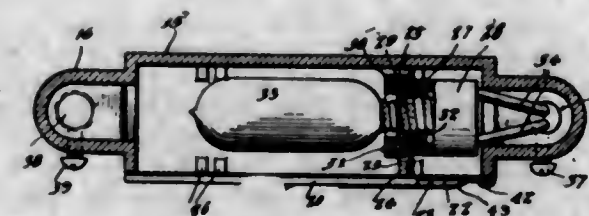


8. A cabinet construction including an upright metal side wall, a metal cross-bar, and a brace located in the angle between the cross-bar and the side wall, said brace lying substantially within the plane of the cross-bar and having the front portion thereof rigidly connected with said cross-bar and also having an angular offset portion adapted to be rigidly attached to the side wall.

1,516,157. METHOD OF HARDENING IRON. DONALD MCCORMICK SCOTT, Rochester, N. Y., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 4, 1923. Serial No. 660,942. 5 Claims. (Cl. 148-12.)

1. The method of hardening malleable iron which consists in eliminating the decarbonized surface from a section thereof, applying to said surface a heating element of sufficient temperature to drive the graphitic carbon into solution and at the same time to apply to the opposite face or surface of the section treated a cooling medium to prevent the demalleabilization of the entire section.

1,516,158. LAMP MOUNTING. CLAUDE D. SEAMAN, Los Angeles, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a Corporation of California. Filed Feb. 15, 1924. Serial No. 693,056. 3 Claims. (Cl. 240-11.)



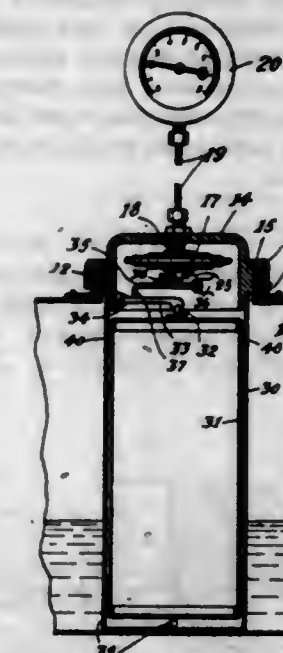
1. A lamp mounting comprising a casing having a central elongated rectangular section open at its bottom side and joined to rounded end sections, means for mounting a lamp socket at one end of the casing, electrical leads extending through one of the rounded ends of the casing and connected to the lamp socket, means associated with the opposed end for supporting the lamp mounting, and a door pivoted to the casing and partially closing the open side thereof.

1,516,159. DISPLAY DEVICE. PHILIP M. SOUTH-WORTH, Brooklyn, and GEORGE HORNECKER, Elmhurst, N. Y., assignors to L. R. Cowell, Elmhurst, N. Y. Filed July 21, 1924. Serial No. 727,334. 10 Claims. (Cl. 40-126.)



1. An advertising device comprising a body display and support therefor; a photographic or other likeness of a set of features; and means for removably mounting the likeness on the body display in non-parallel relation thereto in such a manner as to appear an integral part thereof.

1,516,160. LIQUID-LEVEL GAUGE. FRANKLIN WESLEY SPRINGER, Minneapolis, Minn. Filed Mar. 7, 1919. Serial No. 281,233. 4 Claims. (Cl. 73-82.)

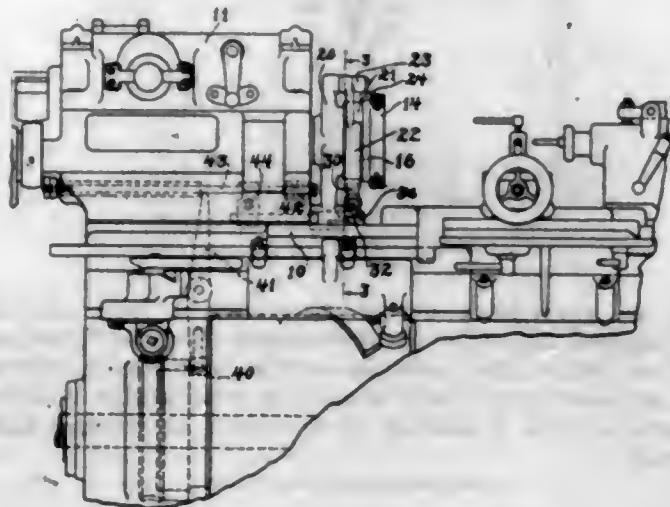


1. In combination with a receptacle for liquids, a cap attached at an opening in the top wall of said receptacle, a fluid container located within said cap, said container having a flexible wall, a tube extending through said cap from said container, a gauge to which said tube leads; a shell extending between said cap and the bottom of said receptacle, said shell having small apertures at its top and bottom, a float having vertical walls fitting slidably within said shell, a lever pivoted to the inner wall of said cap, the free end of said lever being engaged by the top of said float, a second lever pivoted to the inner wall of said cap, the free end of said second lever engaging the upper side of said first lever near the pivoted end thereof, and a projection on the flexible wall of said liquid container in engagement with the upper side of said second lever near the pivoted end thereof.

1,516,161. PHOTOGRAPHIC DEVELOPER. NATHAN SULZBERGER, New York, N. Y. Original application filed Dec. 18, 1918, Serial No. 267,409. Divided and this application filed Aug. 10, 1921. Serial No. 491,296. 21 Claims. (Cl. 95-88.)

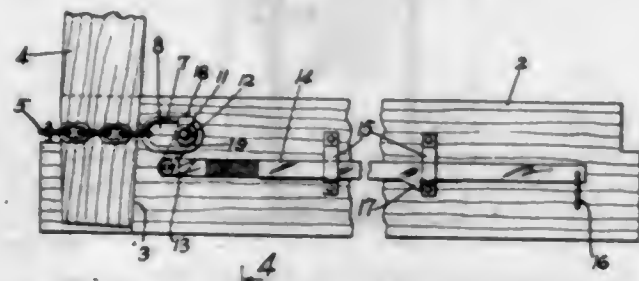
1. A photographic developer containing an organic acid salt of an aromatic hydroxyl-amin together with other developer ingredients.

1,516,162. CHUCK-OPERATING MEANS. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 18, 1922. Serial No. 554,720. 13 Claims. (Cl. 82-40.)



1. A work carrier for lathes comprising in combination, a work supporting and rotating spindle, a driving member mounted on and rotating with said spindle, a driven member associated with said driving member, jaws supported by said driven member, and means comprising a brake shoe frictionally engaging said driven member to automatically open said jaws while said driving member continues to rotate.

1,516,163. STAKE HOLDER. CHARLES LYMAN TOLLES, Eau Claire, Wis. Filed Oct. 22, 1923. Serial No. 670,145. 2 Claims. (Cl. 280-147.)

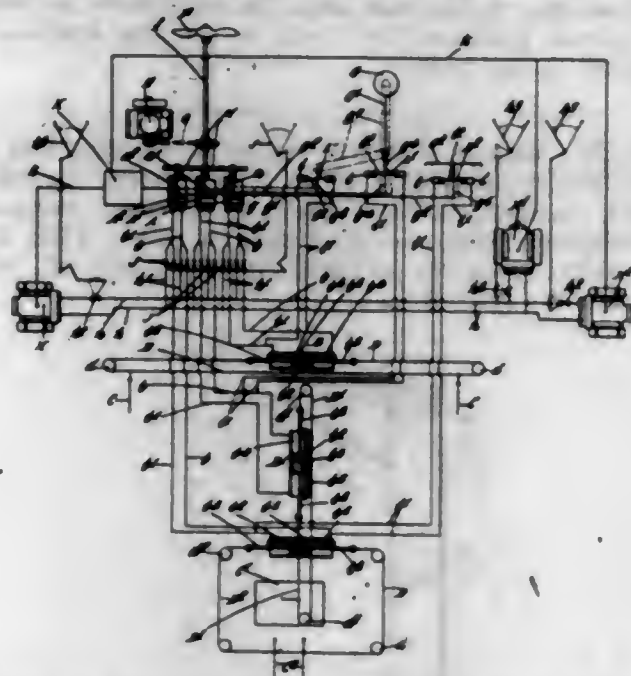


1. The combination with a bunk having a stake socket and a stake fitting said socket, of flexible means adapted to extend across said stake and socket, a link provided at the free end of said flexible means and having an elongated opening, an oscillating hub adapted to enter said opening and having a lug on one side and an oppositely arranged inclined surface, said lug in its locking position extending transversely of said opening and engaging said link to hold it on said hub, and means for rotating said hub to swing said hub to a releasing position lengthwise of said link and said inclined surface into contact with the end bearing portion of said link to cause said link to slide by gravity therefrom and release said stake.

1,516,164. CONTROL OF AIRCRAFT. OLIVER HENRY DOUGLAS VICKERS and MAURICE KEER INGOLDST, Westminster, London, England, assignors to Vickers Limited, London, England. Filed Oct. 27, 1922. Serial No. 597,242. 4 Claims. (Cl. 244-29.)

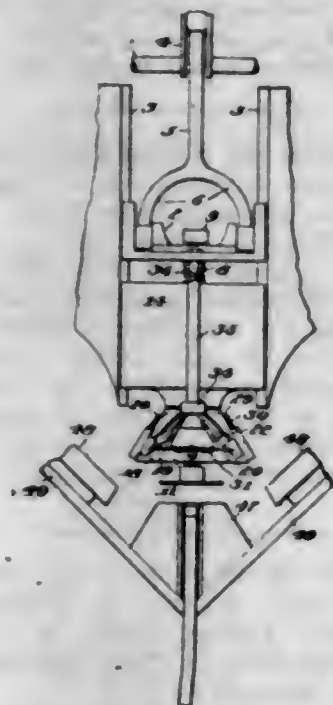
1. In a control mechanism for aircraft a plurality of control surfaces, an independent servo-motor system for each control surface, a source of power for the said

servo-motors, means under the operation of the pilot for adjusting the work of each of the said servo-motors, and a sensitive gear interposed between the servo-motor sys-



tem and the mechanism under the operation of the pilot, whereby a resistance is offered to the pilot-operated mechanism varying with the range of the control operation.

1,516,165. BOX-MAKING MACHINE. CHARLES H. VON GLAHN, Richmond Hill, N. Y. Filed July 20, 1923. Serial No. 652,716. 14 Claims. (Cl. 93-42.)

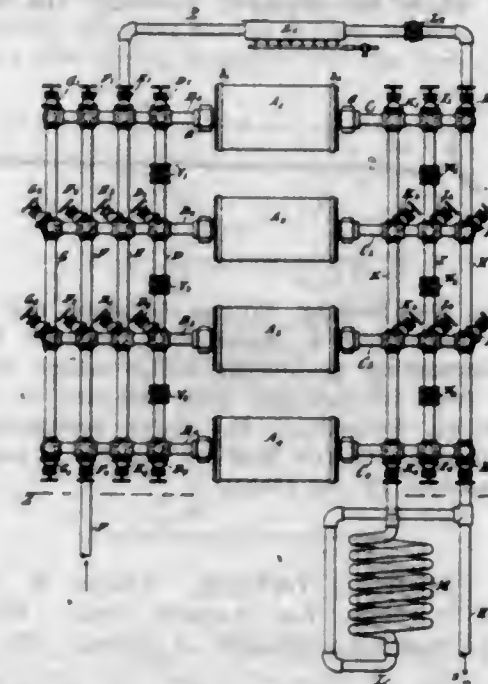


1. In a tray making machine, means whereby the blank is held, plates whereby the sides thereof are folded, levers pivoted to said plates and movable in a plane parallel to said plates, folding arms carried by said plates, and means carried by said arms and adapted to be actuated by said levers whereby the arms are moved to a position at right angles to said plates to fold the ends of the blank.

1,516,166. PROCESS AND APPARATUS FOR RECOVERING GASOLINE FROM NATURAL GAS. LEO WALLERSTEIN, New York, N. Y., assignor to Gasoline Recovery Corporation, a Corporation of Delaware. Filed Apr. 30, 1919. Serial No. 293,802. 6 Claims. (Cl. 196-8.)

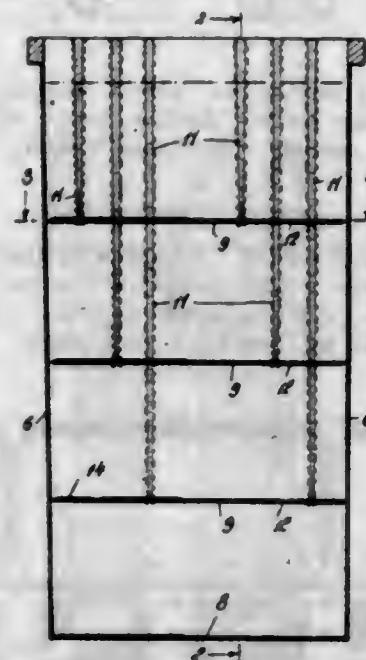
1. The process of recovering gasoline from natural gas which consists in contacting the natural gas with a

shower of absorbent carbon in a solid state, whereby the gasoline is absorbed by the carbon, then subjecting the



carbon and the absorbed gasoline to a distilling treatment to vaporize the gasoline, and finally condensing the gasoline.

1,516,167. ICE MAKING. ERICH WEBER, Superior, Ariz. Filed Jan. 5, 1924. Serial No. 684,483. 4 Claims. (Cl. 62-111.)

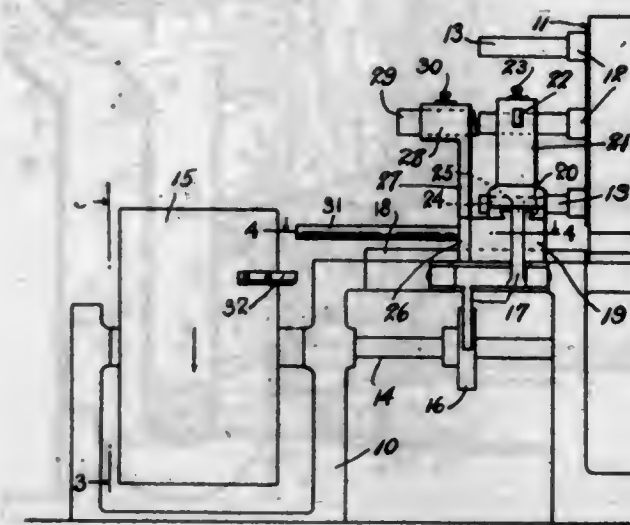


4. A device for forming a plurality of blocks of ice of predetermined size comprising a container, an horizontally disposed partition forming superposed compartments in the container, slots in the wall of the container, projections on said partition adapted to slide freely in said slots for positioning and supporting the partition in the container, and means for filling the slots flush with the walls of the container when the partition is in operating position and permitting movement of the partition in response to expansion of the freezing water, and means for intercommunication between said compartments.

1,516,168. STOCK-MEASURING AND CUTTING-OFF MACHINE. EDWIN O. WENK, Ann Arbor, Mich. Filed Jan. 9, 1924. Serial No. 685,287. 5 Claims. (Cl. 29-37.)

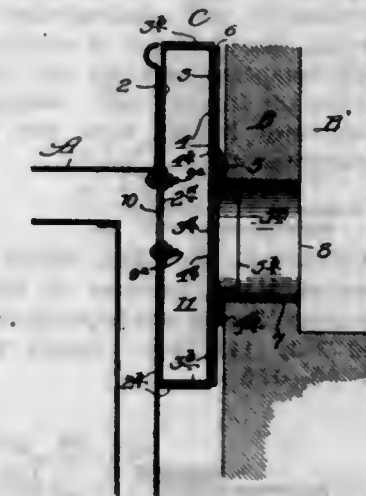
1. In a multiple spindle automatic lathe having an intermittently revolving head, a series of revolving stock bar holding chucks carried by said head, a com-

pound tool rest including a lower member movable longitudinally of the machine and an upper member carried with the lower member and reciprocable transversely of the machine, said upper member constituting a holder for a cutting tool, and a stop member carried by the lower movable member in the path of the stock bars,



means actuated by the operation of the machine for automatically sliding the lower member longitudinally of the machine prior to the action of the cutting off tool on the stock bars successively presented thereto to cause the cutting off tool to act on said stock bars at a predetermined equal distance from the ends of the successively presented stock bars.

1,516,169. FLUE CONNECTION. GEORGE D. WILKINSON and AUGUSTUS F. HARTER, Oak Park, Ill., assignors to Cribben & Sexton Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1924. Serial No. 719,535. 4 Claims. (Cl. 126-315.)

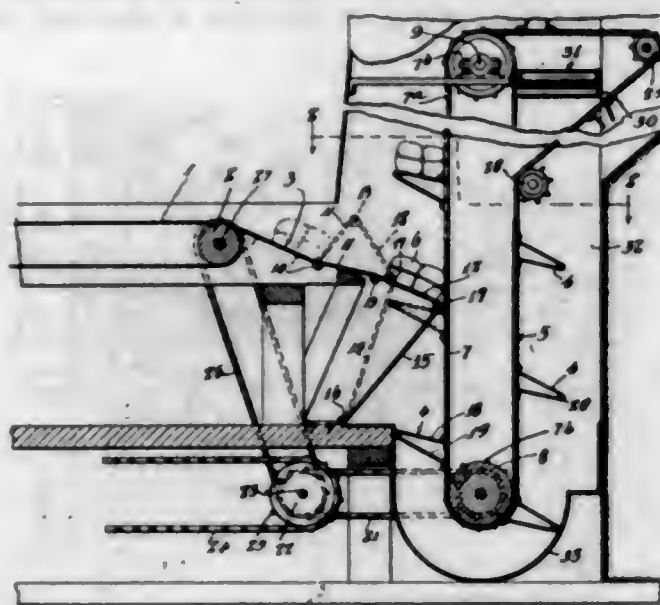


1. A device of the character set forth comprising a hollow body provided at one side with a flue passage communicating with the interior of said body, a slide movably mounted on the other side of said body and provided with a passage, and a slide movably mounted on said first-named slide and provided with a passage.

1,516,170. CONVEYER OR ELEVATOR. PETER M. YOUNG, Los Angeles, Calif. Filed Aug. 18, 1923. Serial No. 658,172. 9 Claims. (Cl. 198-26.)

1. In an article carrier or elevator, the combination of an endless conveyer having holders attached thereto and movable past a loading point, a loading platform for supporting the articles and having a plate pro-

jecting into the path of the holders, said loading platform being movably mounted and having means other than the said plate engaged by each holder as it passes

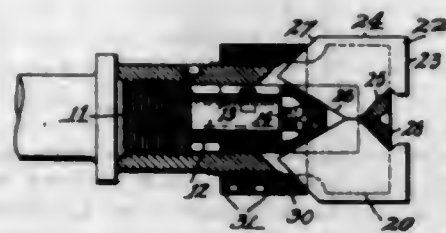


the loading point and cooperating with the holder to displace the loading platform from the path of the holder and deliver the article from the loading platform to the holder.

1,516,171. PROCESS FOR AGGLOMERATING THE PRODUCTS AND RECOVERING THE OIL FROM PRODUCTS OBTAINED BY AGITATING PULVERIZED COAL WITH OIL IN WATER. EMILE BAPTISTE GUSTAVE BASCOU, Neuilly-sur-Seine, France. Filed Apr. 26, 1923. Serial No. 634,923. 3 Claims. (Cl. 44-1.)

1. In the purifying of the coal by grinding and stirring with a mixture of water and oil the coal and separating by filtering the viscous obtained substance composed of fine particles of coal agglomerated by oil, the method for obtaining agglomerates of coal and for recovering oil which comprises heating the said viscous substance submitting it to a high compression and separating the expressed liquids from the mass while under heat and compression.

1,516,172. ADJUSTABLE MILLING CUTTER. JOHN G. BERO, Worcester, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 14, 1924. Serial No. 725,756. 7 Claims. (Cl. 29-105.)



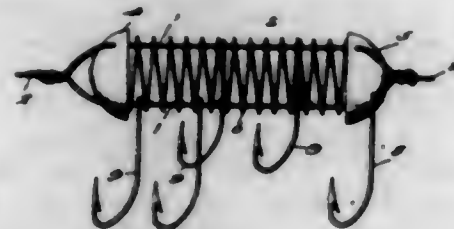
3. As an article of manufacture, a milling cutter comprising a head having slots therein, a series of cutter blades arranged around the head in said slots and having front and side cutting edges, the front cutting edges being in a plane transverse to the axis of the head, and means inside the head for adjusting the position of said cutting blades both longitudinally and radially, the surface on the head which engages the rearmost surface of the cutters being adjustable to clamp them in position.

1,516,173. CLOTHES-FEEDING DEVICE FOR WRINGERS. LOUIS BERGMAN, Clinton, Iowa. Filed Mar. 3, 1924. Serial No. 696,045. 1 Claim. (Cl. 68-6.)



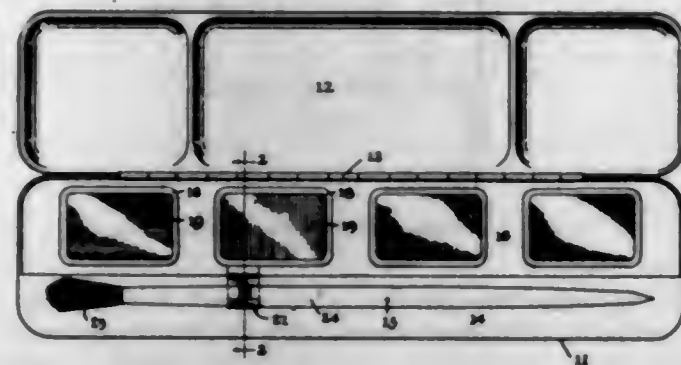
A device for feeding clothes between the rolls of wringers, comprising a metal ring member having a central outstanding peripheral flange which is beveled outwardly from its juncture with the ring to its outer edge, a socket formed on the outer periphery of the ring and into which the ends of the flange merge, and a handle secured in the socket.

1,516,174. FISHING DEVICE. FRANK F. COX and CHARLES C. POST, Los Angeles, Calif. Filed Sept. 17, 1923. Serial No. 663,255. 3 Claims. (Cl. 43-41.)



1. A fishing device, as herein described, comprising an open frame having fishing hooks slidable thereon and a spiral spring comprising a bait holder in the frame.

1,516,175. PAINT BOX. CHARLES E. DANIEL, Sandusky, Ohio, assignor to The American Crayon Company, Sandusky, Ohio, a Corporation of Ohio. Filed Mar. 21, 1924. Serial No. 700,835. 10 Claims. (Cl. 41-4.)

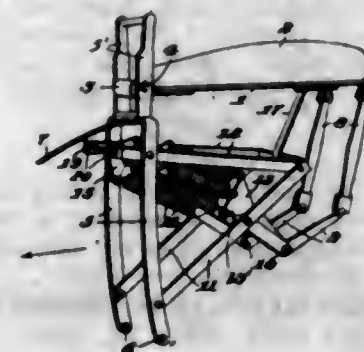


10. A paint box provided with an elongated tray arranged to receive a row of paint receptacles and of less width than said box to thereby provide beside said tray an elongated space adapted to receive a paint brush, and provided also with a clip supported by said box extending within said space and arranged to hold said brush in a fixed position within said space.

1,516,176. BACK SEAT FOR MOTOR CYCLES. HERMANUS ANTONIUS DRIESSEN, The Hague, Netherlands. Filed Oct. 26, 1922. Serial No. 597,187. 16 Claims. (Cl. 208-4.)

1. A back seat for motorcycles, comprising, a frame detachably connectable to a motorcycle, a horizontal shaft on the frame, a seat rotatably connected to the shaft at

its front portion, bell-crank-levers pivoted to the frame, links connected at one end to the rear portion of the seat, and at the other end to arms of the bell-crank-levers, spring supports on the frame, tension coil springs connecting the spring supports and the free arms of the



bell-crank-levers, whereby the springs tend to force the seat upwardly, the angles between the springs and the arms of the bell cranks to which the springs are connected, being substantially of 180° when the seat sustains merely its own dead weight.

1,516,177. SAFETY DEVICE FOR ELEVATORS. WILLIAM EDWARDS, West Roxbury, Mass. Filed July 3, 1922. Serial No. 572,456. 7 Claims. (Cl. 187-87.)

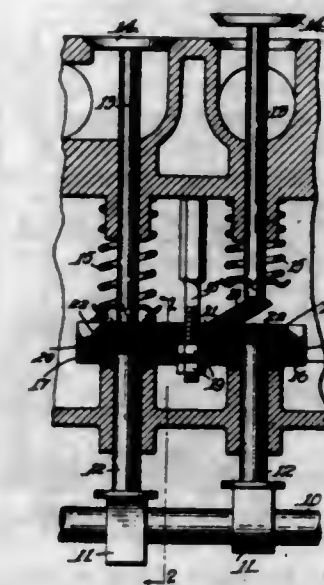


3. The combination with an elevator car of normally inoperative means for engaging the guide rail to stop the car, a gravity-operated lever for throwing said engaging means into operation, and a latch for locking said gravity-operated lever in a raised position; said latch being so arranged that the slackening of the hoisting cable releases said gravity-operated lever.

1,516,178. VALVE-OPERATING DEVICE FOR INTERNAL-COMBUSTION ENGINES. WRAY FALWELL, Fitchburg, Mass., assignor to Emerson W. Baker, Fitchburg, Mass. Filed Dec. 1, 1922. Serial No. 604,353. 8 Claims. (Cl. 128-90.)

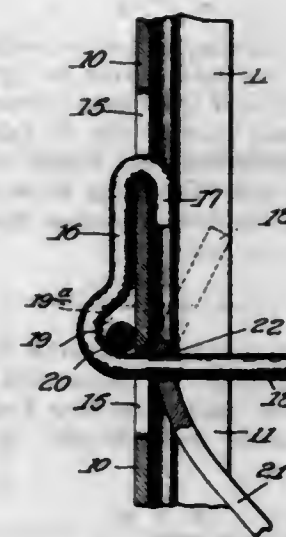
6. The combination with a valve and its actuator, of means interposed between said parts for procuring a

valve lift greater in extent than the throw of said actuator, said means comprising cooperating superposed oppo-



sitely extending movement multiplying levers, one for engagement with the valve stem and the other for engagement with the actuator.

1,516,179. FENCEPOST. HENRY L. FERRIS, Harvard, Ill., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Feb. 8, 1923. Serial No. 617,803. 4 Claims. (Cl. 254-54.)

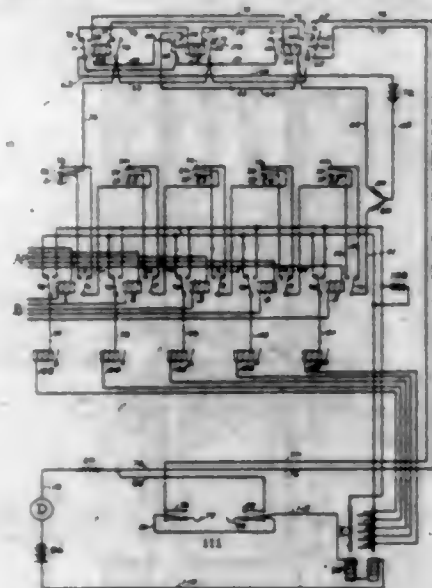


1. In combination, a fence post having spaced holes, a fastener having a curved end adapted to hook over the edge of one of said holes, a hump for receiving a wire to be held and a straight end portion adapted to swing about said hook through the next adjacent hole and to be so bent as to retain said fastener on the post, said holes being uniformly spaced so that fasteners may be secured between each pair of adjacent holes.

1,516,180. SECRET SIGNALING SYSTEM EMPLOYING APPARATUS FOR AUTOMATICALLY ENCIPHERING AND DECIPHERING MESSAGES. WILLIAM F. FRIEDMAN, Washington, D. C., and LOUIS M. EVANS, Alexandria, Va. Filed June 5, 1922. Serial No. 565,868. 7 Claims. (Cl. 35-13.)

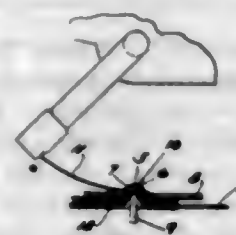
1. In an electrical enciphering and deciphering system, comprising one or more key-tape transmitters con-

trolling the operation of a plurality of key-tape transmitter relays, an additional key-tape transmitter, the opera-



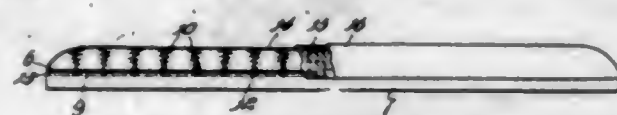
tion of which may be made constant and continuous, or variable and interrupted at the will of the correspondents.

1,516,181. PROCESS OF MAKING NECKTIES. GUS P. GARDNER, Ludlow, Ky. Filed Oct. 8, 1921. Serial No. 306,468. 3 Claims. (Cl. 2-146.)



1. The process of making a necktie, consisting in folding the tie pattern cut fabric over an appropriate form of interlining, face side of the fabric outward and lapping the folded longitudinal ends of the tie fabric at the rear side of the tie, and stitching the lapped ends of the fabric together and to the interlining by stitching running longitudinally of the tie and extending through the interlining and lapped ends only.

1,516,182. PRESSING PAD. CHARLES M. GOUGH, East St. Louis, Ill., assignor, by direct and mesne assignments, to Charles E. Hamilton, New York, N. Y. Filed Apr. 8, 1921. Serial No. 459,629. 5 Claims. (Cl. 68-9.)

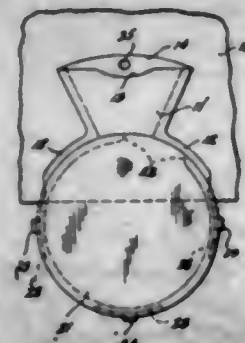


1. A pressing pad comprising an independent perforated base plate of non-corrosive material, springs located at suitable intervals and attached to said base plate, a covering of reticulated material placed over said springs and a covering of fabric placed over the first mentioned covering and held in position beneath the base plate, substantially as specified.

1,516,183. ASH RECEPTACLE. JAMES A. GREEN, Torrington, Conn., assignor to Torrington Specialty Company, a Partnership consisting of James A. Green and Edward W. Morgan, both of Torrington, Conn. Filed Jan. 31, 1924. Serial No. 689,680. 7 Claims. (Cl. 131-51.)

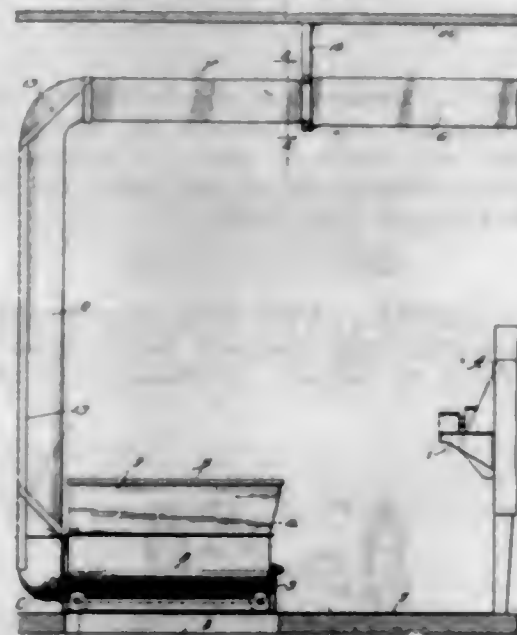
1. A receptacle comprising a support having a funnel open at its top and bottom with a curved wall extending

laterally from the bottom thereof, and a container having an opening in one side mounted to turn beneath said



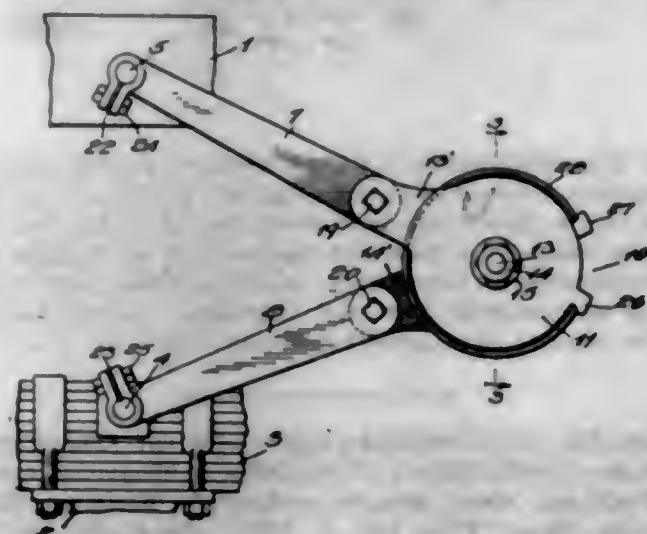
funnel to bring the opening either into alignment with the funnel to allow deposit of material in the container or under said curved wall to close the said opening.

1,516,184. COOLING APPARATUS. ALBERT P. GROHNS, Marshall, Mich. Filed Sept. 28, 1923. Serial No. 665,510. 6 Claims. (Cl. 34-21.)



1. The combination with a relatively stationary main, of a movable car separated from said main, an elbow connected to said car, a pipe rigidly connected to said elbow, and a second elbow rigidly connected to said pipe, said second elbow also rigidly connected to a pipe in alignment with said main and adapted to telescope therewith to permit movement of the car.

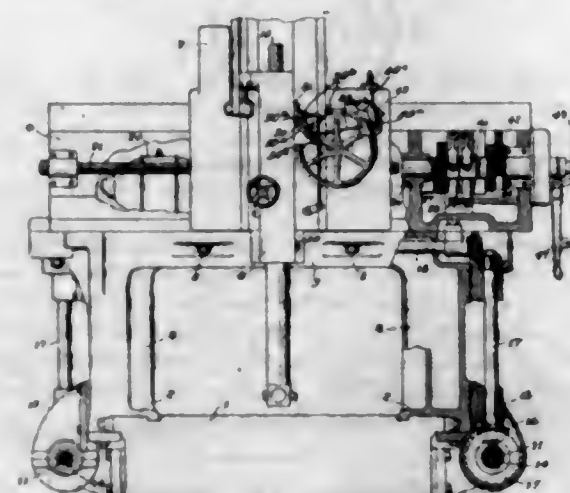
1,516,185. RECOIL ABSORBER. WARD E. GUEST, Chicago, Ill., assignor, by mesne assignments, to William E. Dee Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 6, 1921. Serial No. 498,784. 3 Claims. (Cl. 267-9.)



1. In combination, a pair of relatively movable plates, friction means for restraining the movement of said plates, said friction means lying between and separating

said plates from a face to face contact, and a spring tending to move said plates relative to each other against the resistance of said friction means in one direction, said spring being concentrically mounted about the outer periphery of said plates.

1,516,186. SLOTTING MACHINE. WILLIAM J. HARMAN and EDWARD H. WRAY, Philadelphia, Pa., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 16, 1921. Serial No. 501,131. 12 Claims. (Cl. 90-43.)



10. In a frame slotter, the combination of a bed, a pair of spaced horizontal guideways thereon, a tool supporting head spanning the bed and slidably mounted on the guideways, a horizontal cross rail on the head over the bed, a tool saddle slidably mounted on the cross rail, a cutter bar mounted for reciprocation on the saddle, means for reciprocating the bar, mechanism for feeding the head along its guideways, mechanism for feeding the saddle along the cross rail, means for intermittently operating both said mechanisms in a constant relative ratio and in timed relation to the bar reciprocation, change speed gearing supplemental to one of the said mechanisms for varying the feed imparted by the said mechanisms, and means supplemental to the feeding means for continuously traversing the head and saddle in either direction.

1,516,187. GAS-ABSORBING APPARATUS. VIGGO E. HANSON, Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Aug. 30, 1920. Serial No. 407,006. 4 Claims. (Cl. 261-112.)

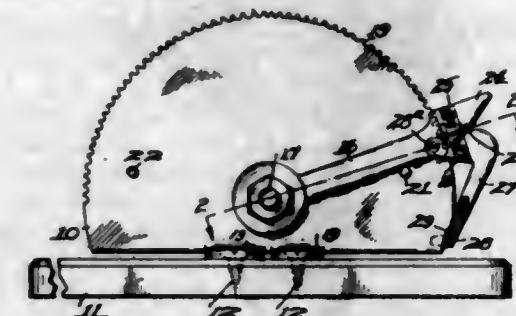


1. An absorber having an upstanding row of reticulate baffles, with inclined surfaces disposed for flow of absorbent thereover, the angularity of such surfaces progressively increasing in a downward direction with re-

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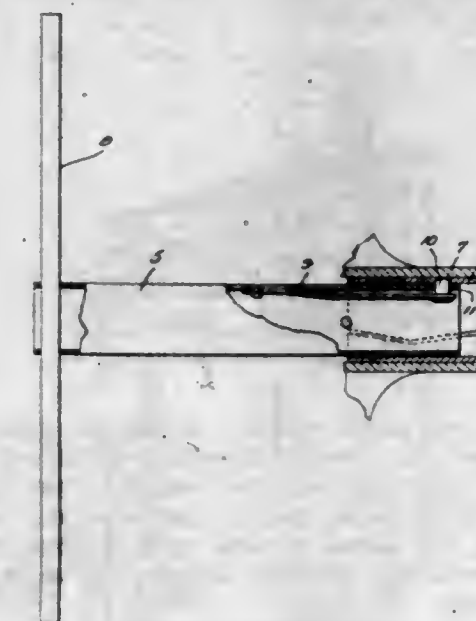
spect to the horizontal, each baffle having an imperforate absorbent-overflow cup disposed at the uppermost portion thereof, and said cups being arranged for engagement by the absorbent successively in a downward direction.

1,516,188. MACHINE FOR UNITING THE ENDS OF WIRES. CHARLES W. HAWTHORNE, Shrewsbury, Mass., assignor to Wickwire Spencer Steel Corporation, New York, N. Y., a Corporation of Massachusetts. Filed Oct. 20, 1923. Serial No. 669,837. 8 Claims. (Cl. 140-115.)



1. A machine for uniting the ends of wire which comprises a wire holder, a movable support in which said holder is rotatably mounted, and means to rotate said holder by movement of said support.

1,516,189. BEARING-SLEEVE REMOVER. ALBERT JOSEPH HERBERT, Franklin, N. H. Filed Feb. 21, 1924. Serial No. 694,364. 3 Claims. (Cl. 29-88.2.)

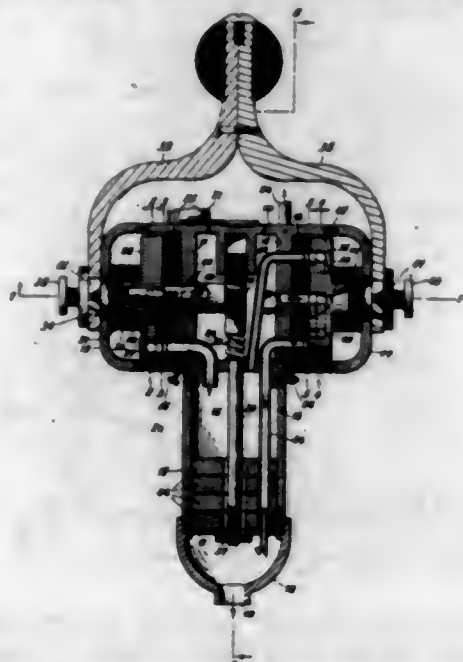


1. In a bearing sleeve remover of the character described wherein said bearing sleeve is provided with an opening intermediate its ends, a relatively elongated tubular member adapted to be engaged at one end within said bearing sleeve, a handle upon the opposite end of said member, means for limiting the movement of said tubular member within said bearing sleeve, and means carried by the inner end of said tubular member to automatically engage within the opening of said bearing sleeve when said tubular member has been positioned therein at the limit of its movement.

1,516,190. BEVERAGE-DISPENSING DEVICE. FREDERICK W. HOLDERLE and CARL L. HOLDERLE, Rochester, N. Y. Filed Aug. 15, 1921. Serial No. 492,240. 2 Claims. (Cl. 225-26.)

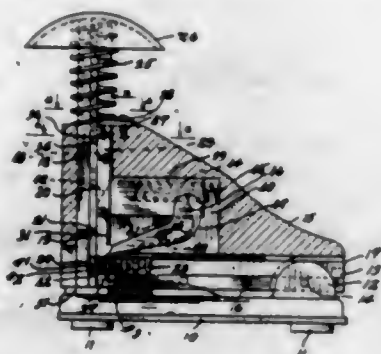
1. A beverage dispensing device comprising a casing having a measuring chamber; a syrup pipe, a stand pipe, an air suction pipe and a discharge valve communicating

with said chamber; a water pipe; a mixing bowl communicating with said water pipe and the aforesaid discharge valve; and means for first opening said syrup



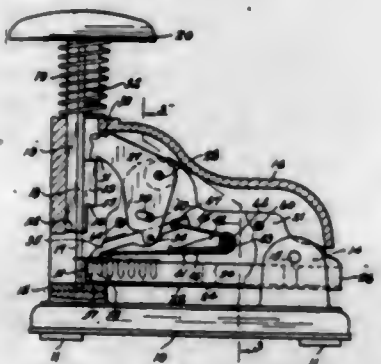
pipe and said stand pipe and thereafter opening said air suction pipe and said water pipe and said discharge valve.

1,516,191. STAPLE-DRIVING MACHINE. JULIA S. HOTCHKISS, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Aug. 17, 1922. Serial No. 582,366. 9 Claims. (Cl. 1-2.3.)



1. In a strip staple machine, means for slidably supporting a strip of formed, integrally connected staples, means for detaching individual staples from the strip and clinching the same, feeding means for advancing the staple strip, and means operable with the detaching and clinching means for partially severing the second staple from the strip.

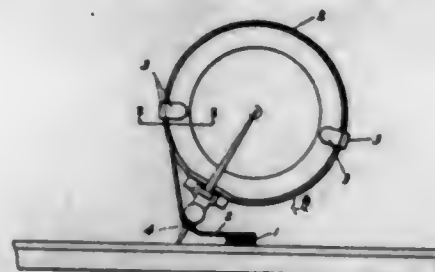
1,516,192. STAPLE-DRIVING MACHINE. JULIA S. HOTCHKISS, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Oct. 14, 1922. Serial No. 594,514. 21 Claims. (Cl. 1-2.3.)



1. In a strip staple machine, a casing open at its lower side, a slide or bar for carrying the staple strip, a support for said slide or bar substantially U-shaped in

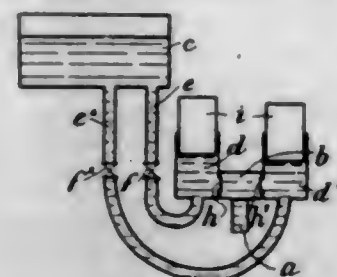
cross section, means for securing the sides of said support to the casing, and means for securing the slide or bar to the support between the sides thereof.

1,516,193. MIDGET AUTOMATIC RECORD BRUSH. CORY OZI HUNTINGTON, Galvin, Wash., assignor of one-half to Walter D. Huntington, Portland, Oreg. Filed Mar. 19, 1923. Serial No. 626,192. 3 Claims. (Cl. 274-1.)



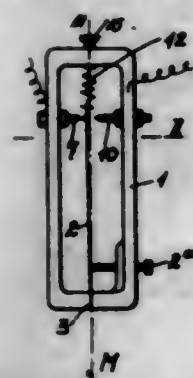
1. A cleaner attachment for reproducing machines comprising a body portion having means adapted to engage the sound box of a reproducing machine and a shank portion with which the needle of the sound box is adapted to cooperate at an intermediate point, said shank portion extending in advance of the needle, and a brush member mounted on the end of the shank portion.

1,516,194. PRODUCTION OF ARTIFICIAL FILAMENTS. LEONARD ANGELO LEVY, Cricklewood, England. Filed Apr. 10, 1924. Serial No. 705,618. 2 Claims. (Cl. 18-8.)



1. Apparatus for dry spinning artificial filaments comprising a reservoir for the solution, a pressure pump consisting of a plurality of vessels, valves between said vessels opening into a discharge passage, means for alternating the pressure from one of said vessels to the other and for alternately opening and closing said valves, means connecting said reservoir with said pump and means for cutting off the flow from said reservoir to said pump before pressure is applied to said pump, and a spinning head directly connected with said discharge passage whereby the requisite pressure is applied to the solution at a point immediately adjacent to the spinning head.

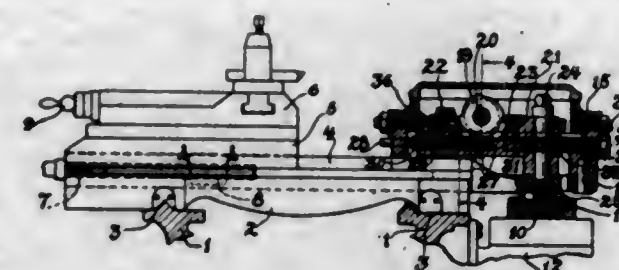
1,516,195. INSTANTANEOUS SWITCH. ARTHUR LEWERENZ, Berlin, Germany. Filed May 28, 1923. Serial No. 642,099. 6 Claims. (Cl. 200-138.)



1. An instantaneous thermo-switch for electric lines comprising in combination, a contact member connected to one pole of a source of current, temperature re-

sponsive means connected to the other pole of the source of current and including a strip-shaped switching element for closing and interrupting the circuit, pressed against said contact member at normal temperature by a force and being adapted to move away from the contact member to overcome said force for interrupting the circuit at increasing temperature, an elastic support acting upon the free end of said switching element for assisting the latter to rapidly move away from the contact member only after said element has moved a certain distance away from the contact member, and a stop for limiting the movement away from said member.

1,516,196. PLAIN RELIEVING ATTACHMENT FOR LATHES. AUGUST BERNHARD LINDSTROM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 27, 1922. Serial No. 539,524. 15 Claims. (Cl. 82-19.)



2. In a relieving attachment for lathes, the combination of a bed, a tool carriage thereon, a tool slide supported by the carriage, a rotary cam, a pair of cam followers on diametrically opposite sides of the cam, spring means for normally holding one or the other of the followers in engagement with the cam, and adjustable means for operatively engaging either follower with the cam for operating the tool slide in either direction for performing either exterior or interior relieving operations.

1,516,197. WASHER. HENRY M. LYNCH and LEWIS E. ELLIOTT, Woonsocket, R. I., assignors, by mesne assignments, to the said Lewis E. Elliott. Filed Oct. 15, 1921. Serial No. 507,974. 1 Claim. (Cl. 288-1.)



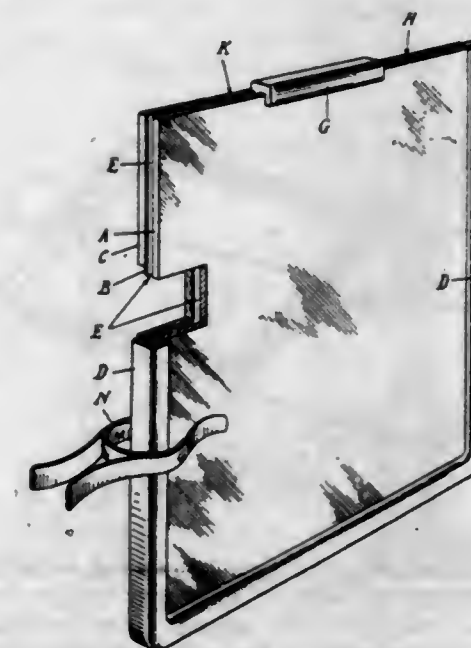
In a washer of the character described, a layer of yielding material, annular reinforcing plates positioned upon opposite sides of said yielding material and each provided with integral prongs struck out from said plates, the prongs of the separate plates being arranged in non-registering relation and the prongs of each plate being adapted to engage the opposite plate upon the parts being pressed together whereby the prongs are bent back towards their respective plates to engage the material, said plates being thereby retained in position relative to each other solely through the engagement of said prongs with said yielding material while movement of the plates towards and from each other is permitted.

1. In a device of the character described, a spool. 1,516,198. NONFRICTION BRAIDER BUTTON. JESSE F. MADDEN, Brooklyn, N. Y. Filed Apr. 16, 1923. Serial No. 632,564. 2 Claims. (Cl. 96-13.)



supporting standard square in cross section; a bent wire member for supporting the weight of the spool on the standard, said bent member being received on the lower end of said standard and having a square upper end to fit around the same, the diagonal of said square upper end being less than the diameter of the lower end of the spool; a removable friction member interposed on said standard between the square upper end of said bent wire member and the spool, said friction member being provided on its upper side with a smooth annular track for the spool to revolve upon, said track being held concentric with the vertical central line of said supporting standard and in a plane at right angles thereto, and being of a diameter greater than the diagonal of the square upper end of the bent member upon which it rests.

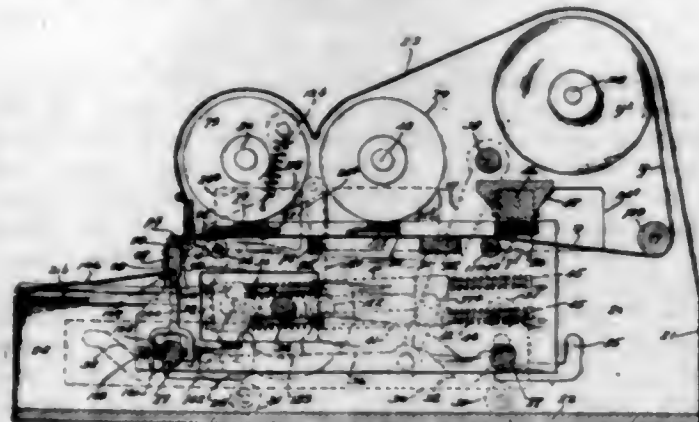
1,516,199. PHOTOMECHANICAL PROCESS FOR PRODUCING BAS-RELIEFS. FREDERICK HUTCHISON MONTEATH, Sydney, New South Wales, Australia, assignor to Monteath Photo Sculpture Limited, Sydney, Australia, a Company of New South Wales. Filed Sept. 23, 1922. Serial No. 590,202. 2 Claims. (Cl. 95-5.)



1. A photo-mechanical process for producing bas-reliefs, comprising the following steps in sequence: (a) producing a clear printing negative of a subject, using frontal lighting and a black surround background, (b) bichromating gelatin by soaking it in water, removing the unabsorbed water, warming the swelled gelatin to liquefy it, and introducing potassium bichromate in the approximate proportion of 5 grains per dram of dry gelatin, (c) producing a slab from said liquid bichromated gelatin by casting it in a warmed vertical mould, about an eighth of an inch in thickness between a non-absorbent polished flexible sheet and a backing and cooling to set it, releasing and peeling off the flexible mould side, and drying out on the backing, (d) printing for approximately two hours under the negative and vignetting for approximately ten minutes under a silhouette mask of the subject in register above the print

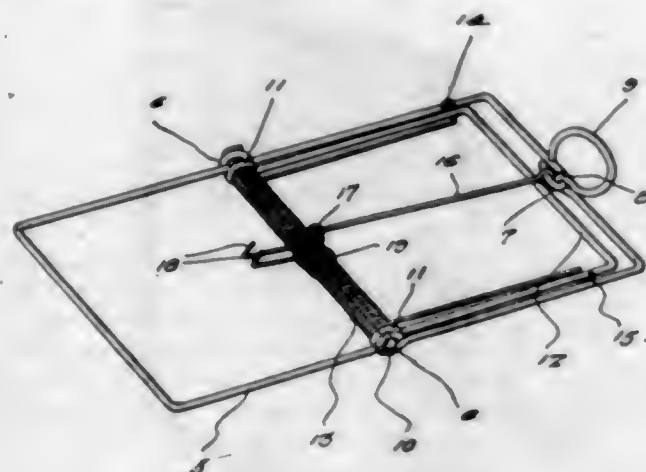
but not in contact with it, and (e) swelling the printed slab to procure a bas-relief by immersing it in water (all said steps including and subsequent to the drying of the gelatin slab being performed in non-actinic light).

1,516,200. TRANSFER-PRINTING MACHINE. EDWARD L. MOONEY, Minneapolis, and ZACHARY E. RUSSELL, St. Cloud, Minn. Filed Jan. 21, 1924. Serial No. 687,424. 46 Claims. (Cl. 101-66.)



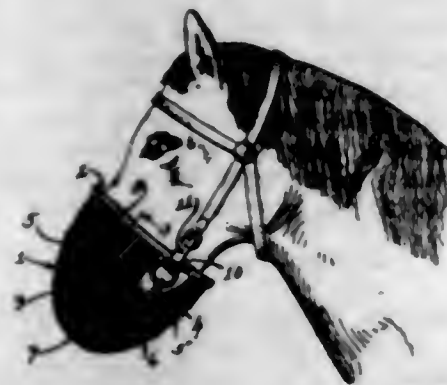
1. A ticket printing machine comprising means for guiding a paper web, printing devices progressively spaced along the line of travel of said paper web, a movable carriage, cooperating printing devices on said carriage, means also on said carriage for imparting an intermittent feed movement to said paper web, and means for moving said carriage to produce the progressive printing actions and the intermittent paper web feeding action.

1,516,201. ANIMAL TRAP. OSCAR NEREL, Huron, S. Dak. Filed Nov. 30, 1923. Serial No. 677,707. 1 Claim. (Cl. 43-81.)



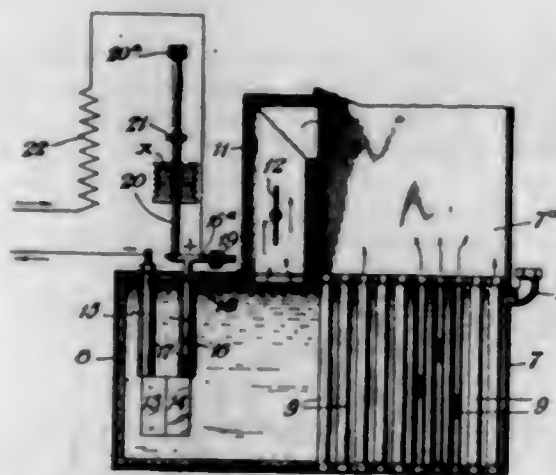
In a jaw animal trap, an open elongated substantially rectangular frame formed of a single length of wire bent to provide transversely aligned eyes substantially at the central portions of the sides of the frame, a transverse rod having its ends secured in said eyes, a U-shaped jaw member having its ends journaled upon the transverse rod at the inner sides of said eyes, a spring encircling the rod and having ends engaging the sides of the jaw and frame for causing the jaw to swing toward one end of the frame for gripping an animal therebetween, means including a bait holding trip lever mounted upon the spring for retaining the jaw in a retracted set position against the action of said spring, the ends of the length of wire forming the frame being provided with interlocking eyes at one end of the frame, the means for holding the swinging jaw set further including a rod pivoted at one end to one of the last named eyes and having its free end adapted for retaining engagement by the trip lever, one end of the wire forming the frame being extended from the eye thereof in the form of an outwardly extending handle loop.

1,516,202. NOSE FLY SHIELD FOR HORSES. WILLIAM D. NELSON, Terril, Iowa. Filed Aug. 16, 1923. Serial No. 657,700. 1 Claim. (Cl. 54-80.)



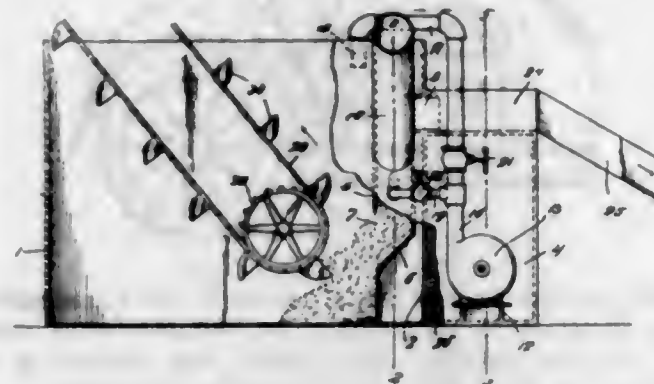
A nose fly shield for animals comprising a frame including an upper band formed of a single strand of wire and provided with depressed portions arranged in opposite sides thereof, a lower band adapted to be positioned parallel with the upper band, U shaped members connected at their upper free ends to said upper band at opposite points thereof, the intermediate portions of said U shaped members being connected to said lower band, said U shaped members secured together at their intersection with each other at the bases thereof, a wire netting over said frame and secured to casings extending around the upper band, adjustable means associated with said casings, and adapted to extend over said depressed portions, and supporting straps associated with said casings for attaching said frame to the bridle of a harness.

1,516,203. THERMOSTATICALLY-CONTROLLED ELECTRIC HEATING DEVICE. STERLING A. OAKLEY, Boise, Idaho. Filed May 23, 1923. Serial No. 641,022. 8 Claims. (Cl. 219-19.)



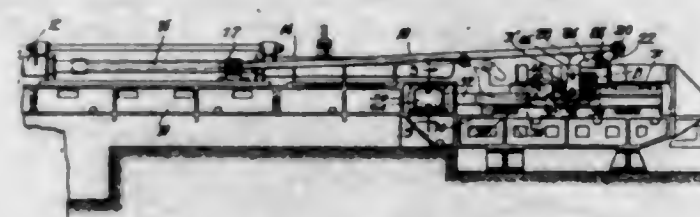
1. In combination with an incubator, a liquid container having an air chamber in communication with the interior thereof, a valve-controlled vapor conduit leading from said liquid container into said air chamber, a series of air tubes extending through the liquid in said container and having their upper ends opening into said air chamber and their lower ends in communication with the outer air, and means for heating the liquid in said chamber, said means comprising an electric circuit including a heating coil within the incubator and a swinging electrode suspended in the liquid in said container normally in contact with a fixed electrode in the container, and a thermostat acting on said swinging electrode to decrease the electric current after the temperature in the incubator has reached a predetermined point.

1,516,204. GRAVEL SEPARATOR. CARL N. OLSEN, Pueblo, Colo., assignor of one-half to The Fountain Sand and Gravel Company, Pueblo, Colo. Filed Apr. 12, 1924. Serial No. 706,119. 5 Claims. (Cl. 83-82.)



1. A gravel separator comprising a tank, a vertical partition in said tank providing a main and auxiliary compartments, a vertical conduit arranged in the main compartment having its lower portion discharging into the main compartment, a supply pipe communicating with the vertical conduit, a lateral extension provided on the upper portion of said vertical conduit, grate bars supported in said auxiliary compartment and communicating with the lateral extension, a trough associated with said grate bars, and means for separating the lighter materials from the gravel forcing the same upwardly through the vertical conduit and discharging the same through the lateral extension onto said grate bars and said troughs, the gravel being discharged downwardly through the vertical conduit into the main compartment, and means for providing a continuous circulation of water through the compartment, the supply pipe and vertical conduit.

1,516,205. MANIPULATOR FOR ROLLING MILLS. ROLLIN DAVIS OSGOOD, Birmingham, Ala. Filed July 10, 1923. Serial No. 650,610. 6 Claims. (Cl. 50-48.)

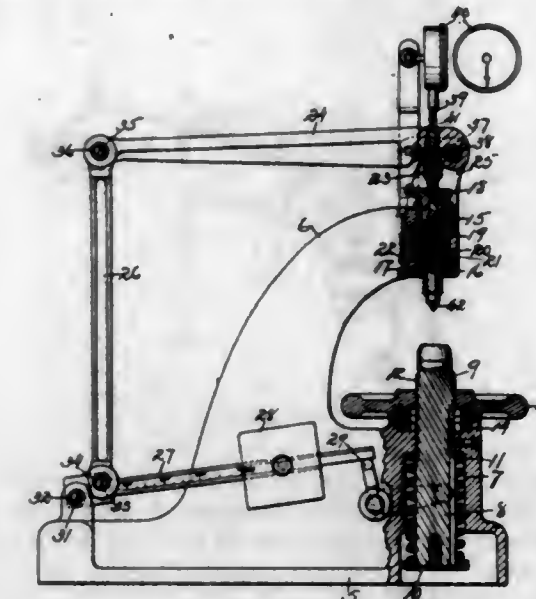


6. A manipulator including a slidably mounted carriage, a lever pivoted on said carriage, a tongue pivoted on the same center with said lever, a dog carried by said lever and a projection on said tongue whereby the two can be moved together or independently, a gripping member pivoted on the free end of said lever and power means for moving said gripping member on its pivot to grip the bloom between it and said tongue and also for turning said lever and tongue on their pivot to turn the bloom.

1,516,206. TOOTH-CLEANING PREPARATION. CARL PFANSTIEHL, Highland Park, Ill., assignor to Special Chemicals Company, Highland Park, Ill., a Corporation of Illinois. Filed Aug. 16, 1923. Serial No. 657,782. 6 Claims. (Cl. 167-9.)

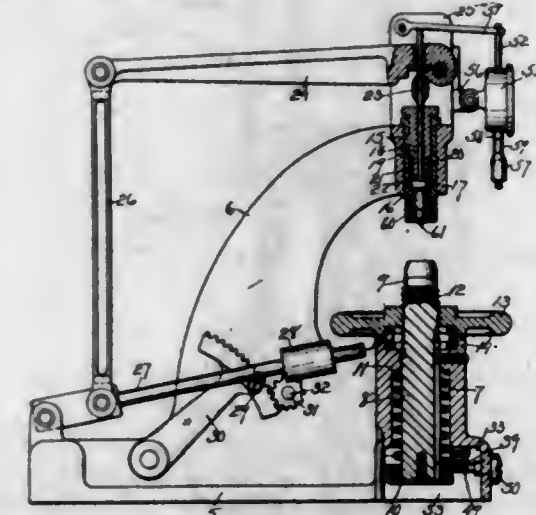
1. A tooth cleaning preparation comprising an inert filler, a solution of a potential acid in an ionizing solvent and a weak organic acid to impart thereto its initial acidity.

1,516,207. HARDNESS-TESTING MACHINE. STANLEY P. ROCKWELL, Syracuse, N. Y. Filed Sept. 11, 1919. Serial No. 323,094. 34 Claims. (Cl. 265-12.)



1. A device of the character indicated including a work support, a penetrator operatively positioned with respect to said support, a member operatively connected with the penetrator to apply pressure thereto, means to permit initial movement of the penetrator when opposed by the resistance of the work on the work support without effect upon said member, means for supporting said member to relieve it from the effects of said pressure, and means for releasing said member for the application of said pressure thereto and to the penetrator.

1,516,208. HARDNESS-TESTING MACHINE. STANLEY P. ROCKWELL, West Hartford, Conn. Filed May 26, 1921. Serial No. 472,803. 18 Claims. (Cl. 205-12.)

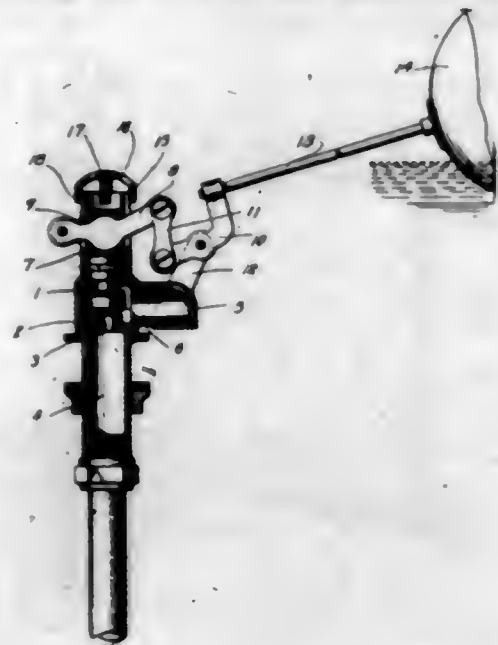


1. A hardness testing machine comprising a work supporting member and a penetrator member movable one toward the other so as to bring the work and penetrator into contact, means actuated by the movement of one of said members for applying force to one of said members so as to subject the work to a minor load, means for applying a major load to one of said members, and means for regulating the application of said major load during different tests so as to secure a uniform application of its force.

1,516,209. BALL-VALVE STOP. JAMES C. RYAN, Kansas City, Mo., assignor to Ross Manufacturing Co., Kansas City, Mo., a Corporation of Missouri. Filed Oct. 22, 1923. Serial No. 669,962. 2 Claims. (Cl. 137-104.)

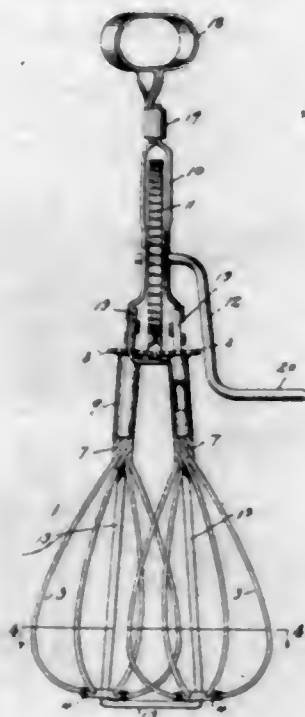
1. In combination with a flush valve mechanism having a reciprocating valve of an internally threaded cap

on the end of the housing for the valve having sight openings therein, and an integral inwardly projecting



stop lug carried by the cap so that the position of the cap with respect to the housing will determine the amplitude of movement of the valve.

1,516,210. EGG BEATER. JULIUS SAMUELS, New York, N. Y. Filed Nov. 29, 1922. Serial No. 603,892. 4 Claims. (Cl. 251-131.)

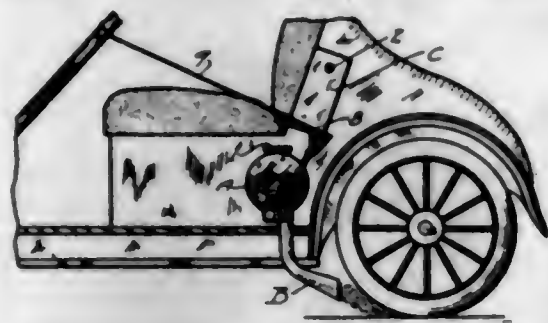


1. A beater element comprising: a plurality of wires bent back upon themselves to form a series of loops constituting a cage and the free ends of the wires being twisted to form a shaft, and a pinion at the end of the shaft formed by bending the extremity of the wires outwardly into gear teeth.

1,516,211. ANTISKID DEVICE FOR AUTOMOBILES AND OTHER VEHICLES. EDWARD W. SAUNDERS, St. Louis, Mo. Filed May 19, 1924. Serial No. 714,342. 5 Claims. (Cl. 291-11.)

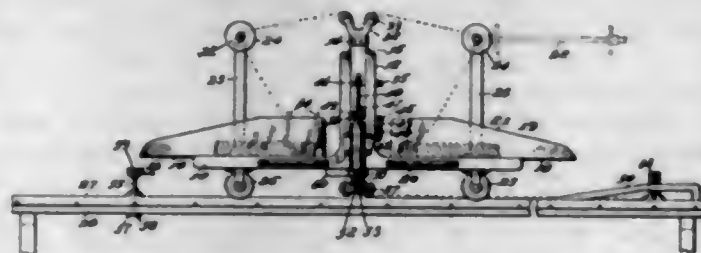
1. An anti-skid device for vehicles, comprising a discharge spout arranged in proximity to a wheel of the vehicle, a receptacle for holding a granular material, a conduit associated with said receptacle and provided with an inlet opening through which the granular material

can enter said conduit from said receptacle, a valve for controlling said inlet opening, a piston in said conduit for actuating said valve, and means for supplying air



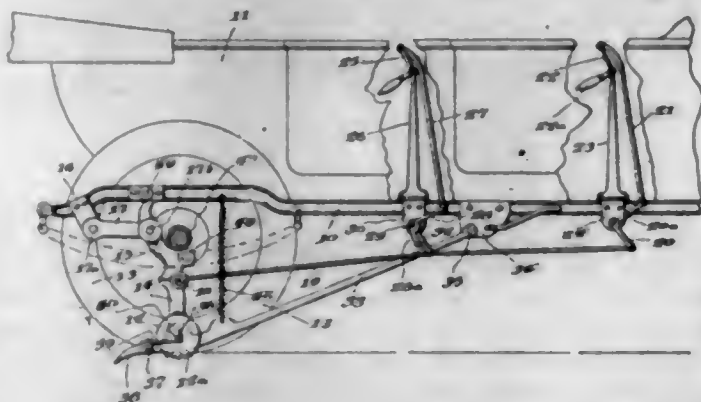
under pressure to said conduit so as to move said piston in a direction to open said valve and thereafter cause the granular material that enters said conduit to be conveyed to said spout and discharged therefrom.

1,516,212. CLOTH-LAYING MACHINE. CHARLES C. SCHNEIDER, St. Louis, Mo. Filed Feb. 18, 1921. Serial No. 445,991. 4 Claims. (Cl. 270-31.)



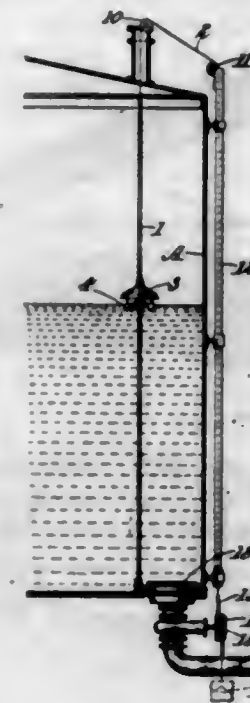
1. A cloth laying machine comprising a carriage, an adjustable frame mounted centrally in said carriage, containers for receiving the cloth to be laid located on each side of said adjustable frame, guide rollers carried by the frame and over which the cloth is passed and held under proper tension so that the same may be piled upon the table of several layers thickness, substantially as specified.

1,516,213. COMBINED EMERGENCY BRAKE AND JACK. JOSEPH SCHURNEL, North Adams, Mass. Filed Nov. 22, 1921. Serial No. 517,093. 5 Claims. (Cl. 183-5.)



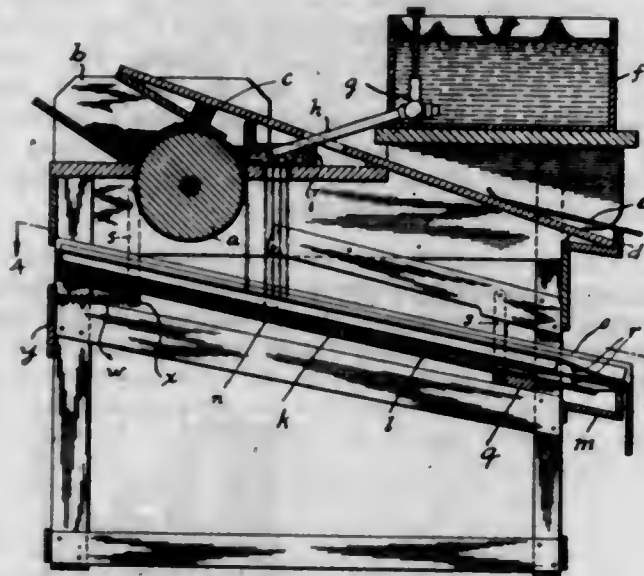
1. A ground-engaging vehicle brake comprising a pair of toggle members, a transversely extending rod connecting said members and forming the joints thereof, supporting means for one of the members of the toggles, ground-engaging cams rigid on the other members of the toggles, pivotally supported brace bars to which the cam ends of the last-mentioned members are pivotally connected, actuating rods connected to the joints of the toggle members, and brace bars extending between the toggle members, said bars being connected at their ends to said members, and having a pivotal connection intermediate their ends with the first-mentioned rod.

1,516,214. MEANS FOR PROTECTING INFLAMMABLE LIQUIDS STORED IN BULK FROM FIRE. VAHE SEVIAN, Bagdad, Turkey. Filed July 17, 1922. Serial No. 575,734. 7 Claims. (Cl. 220-89.)



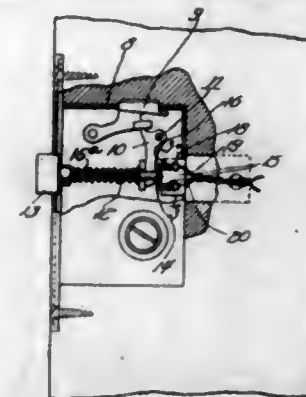
1. Means for the purpose specified, comprising a bulk storage receptacle having a discharge line therefrom, a valve in the discharge line, operating means for said valve including a weighted connection operatively coupled thereto and adapted to actuate the valve to position opening the discharge line, and means for normally maintaining the valve in position closing the discharge line, comprising a fusible connection anchored at one end to and extending through the receptacle and at the opposite end coupled to the weighted valve operating connection to maintain the valve closed.

1,516,215. STARCH AND VEGETABLE-OIL EXTRACTING MACHINE. ROBERT SHORTS, San Jose, Costa Rica. Filed Nov. 29, 1922. Serial No. 603,909. 4 Claims. (Cl. 127-23.)



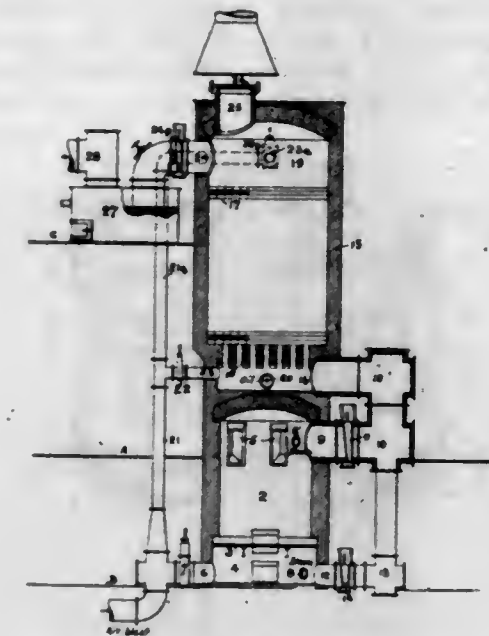
4. In a device of the character described, the combination of a grinding wheel for grinding the material, an inclined strainer located under and below the grinding wheel, a tank located above the axis of the grinding wheel and adjacent the periphery thereof, perforations in the side of the tank adjacent the grinding wheel for supplying water to the material immediately after being ground and perforations in the bottom of the tank to supply water while the material is being strained.

1,516,216. CIRCUIT CLOSER FOR BURGLAR ALARMS. LUDWIK S. STANKIEWICZ, Chicago, Ill. Filed Dec. 22, 1919. Serial No. 346,655. 1 Claim. (Cl. 200-55.)



A lock operated circuit closer comprising a pair of contact members, a longitudinally movable bolt, a washer mounted on the bolt so as to bridge the contact members when the bolt is moved inwardly, a knob, a pivoted member, a bell crank abutting the washer, said bell crank and pivoted member operatively connecting the knob with the bolt, and a spring yieldingly holding the washer away from the contact members.

1,516,217. WATER-GAS APPARATUS. LINFORD SPEARING STILES, Brooklyn, N. Y. Filed June 23, 1921. Serial No. 479,724. 4 Claims. (Cl. 48-80.)

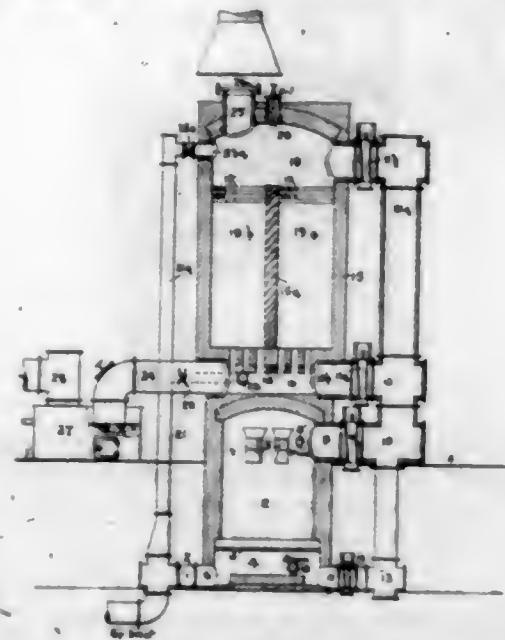


1. An improved water gas apparatus comprising a generator, an upright combined carburetor and fixing chamber, and a wash-box acting as a seal, characterized by the combined carburetor and fixing chamber formed as a single compartment having at one end a combustion chamber provided with oil and blast pipes and in communication with the generator and said compartment having at the other and distant end a valve controlled escape flue for waste products of combustion and an outlet leading to the wash-box, and the generator being provided with means for supplying air and steam alternately thereto.

1,516,218. WATER-GAS APPARATUS. LINFORD SPEARING STILES, Brooklyn, N. Y. Filed June 23, 1921. Serial No. 479,725. 6 Claims. (Cl. 48-80.)

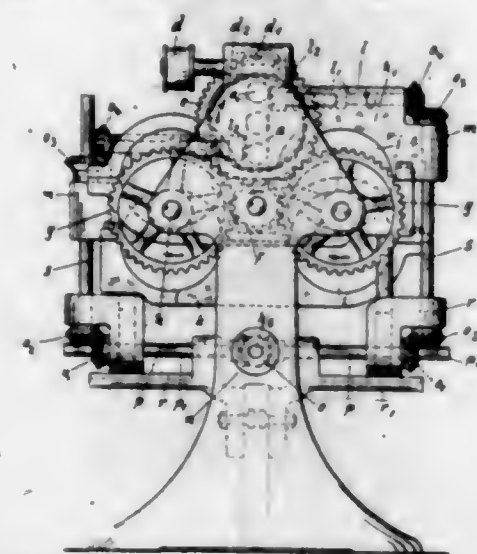
5. In a water gas apparatus, a combined carburetor and fixing chamber comprising a casing having a combustion chamber at its bottom provided with a blast pipe at its bottom and a carbureting chamber at its top provided with oil spraying means at its top, a water gas generator

provided with air and steam pipes for generating water gas in reversed directions, a gas flue having separate valved communications respectively with the combustion chamber and carbureting chamber and also having



valved communications with the top and bottom of the generator, a wash-box communicating with the combustion chamber, and a valve controlled escape flue from the carbureting chamber.

1,516,219. MILLING MACHINE. AUGUST THOMAS, Berlin-Hermsdorf, Germany, assignor to Deutsche Werke Aktiengesellschaft, Berlin, Germany, a Corporation of Germany. Filed Mar. 13, 1922. Serial No. 543,422. 1 Claim. (Cl. 90—15.)

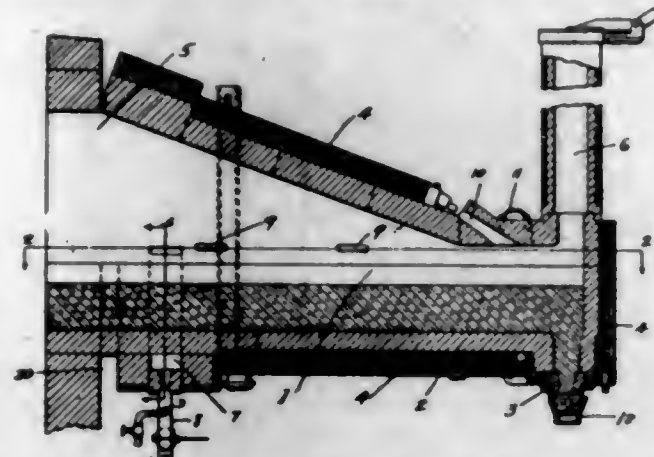


In a milling machine for crank-shafts the combination of a main driving shaft for axially rotating a crank-shaft, a milling cutter mounted within a cutter holder adapted to follow the rotation of the crank-shaft, said cutter holder comprising an angle-shaped slide, a driving shaft for the milling cutter mounted upon the vertical shank of said slide, a rotatable shaft mounted upon the horizontal shank of said slide, a conical gear interposed between said two shafts, a conical gear for driving the milling cutter, said cutter holder and said latter gear being mounted slidably with respect to said latter shaft.

1,516,220. METHOD AND APPARATUS FOR DELIVERING VISCOUS GLASS. OLIVER M. TUCKER and WILLIAM A. REEVES, Columbus, Ohio. Original application filed Aug. 12, 1918, Serial No. 249,421. Divided and this application filed Sept. 23, 1924. Serial No. 739,408. 8 Claims. (Cl. 49—35.)

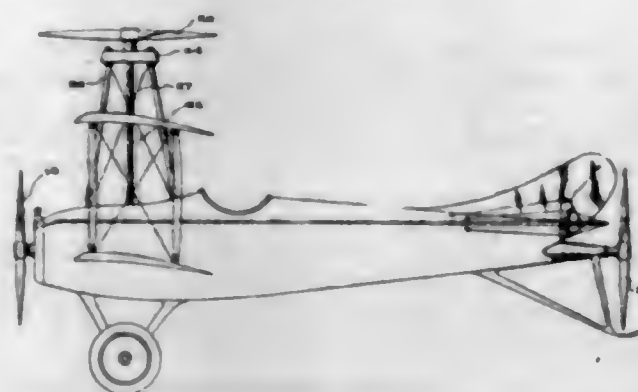
8. A spout for delivering viscous glass from a furnace, comprising a trough with a delivery opening there-

in, an outer lining for said trough, said lining being spaced from the furnace wall to provide a space open to the atmosphere between said lining and the furnace wall,



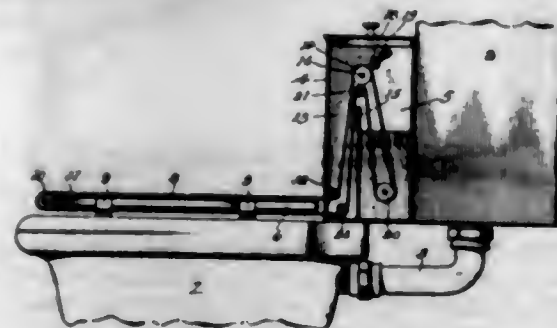
and openings through said lining leading into said trough above the level of the glass therein for the introduction of a temperature modifying medium to the spout.

1,516,221. AIRPLANE. JACOB TUSCHER, Alton, Ill. Filed Jan. 8, 1923, Serial No. 611,354. Renewed July 1, 1924. 1 Claim. (Cl. 244—15.)



An airplane comprising a body portion, front and rear propellers having aligned shafts, a motor for independently driving each of said shafts, said motors arranged in alignment and spaced apart, a vertically disposed propeller shaft and propeller therefor, a motor arranged at right angles to the first named motors and having a shaft extending at right angles to said first named shafts, a driving connection between the third named motor and the vertical propeller shaft, and a means carried by each of the motor shafts of the motors first named whereby all of said motors may be coupled for driving the airplane forwardly.

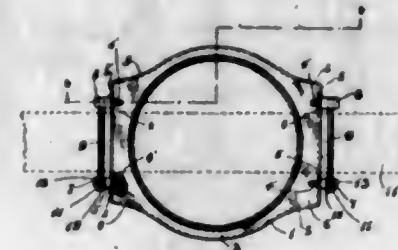
1,516,222. SANITARY SEAT COVER. HORATIO E. VAN DOREN, Detroit, Mich. Filed Oct. 23, 1920. Serial No. 418,885. 5 Claims. (Cl. 4—242.)



1. In a device of the character described, the combination with a horizontally disposed seat member for the support of a person sitting thereon, of an endless flexible belt arranged with the upper run of the belt extending horizontally across and covering that portion of the seat

adapted to support a person and prevent contact of the person's body with any part of the seat, and with the lower run of the belt extending horizontally beneath the seat member, means for imparting a traveling movement to the belt, a tank for cleansing fluid, and means for guiding the belt to and from the tank and through a cleansing fluid therein with an extended portion of the belt exposed to the atmosphere between the tank and seat member to afford a drying period during the travel of the belt.

1,516,223. WATCHCASE. ARTHUR W. WADSWORTH, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Aug. 3, 1923. Serial No. 635,496. 7 Claims. (Cl. 58—88.)



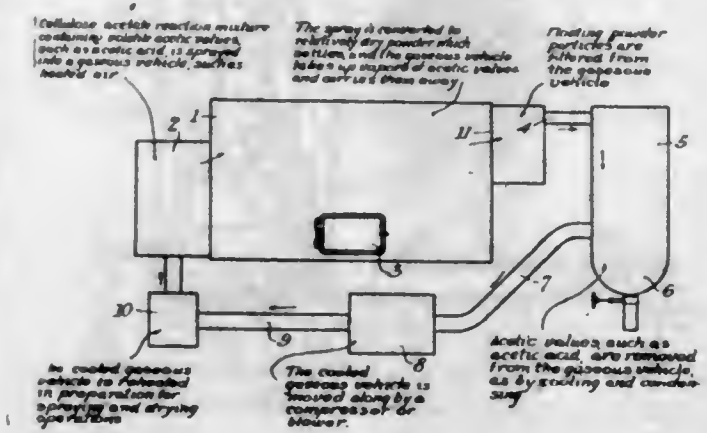
1. In a watchcase, a metal movement ring having a plurality of threaded sockets therein, a thin metal covering band having a plurality of holes therethrough and mounted on said movement ring with said holes in registry with said sockets respectively, a screw eye extending through each of said holes and screwed into the adjacent socket and a locking ribbon bar detachably secured to each pair of screw eyes.

1,516,224. GARMENT-CUTTING SYSTEM. FREDERICK W. WARD, Montreal, Quebec, Canada, assignor of one-half to Norman Holland, Westmount, Quebec, Canada. Filed Apr. 11, 1924. Serial No. 705,901. 1 Claim. (Cl. 2—102.)



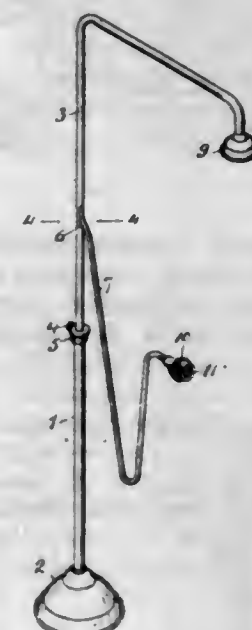
A system of making a vest consisting in cutting a neck piece with an attachment portion presenting two abutting edges in angular relation, a fore part having an attachment portion cut to present two abutting edges in angular relation, seaming the neck piece to the fore part with one of its said edges coinciding with one of the said edges of the fore part, the facing being cut to lie a certain distance towards the back of the garment from its normal position in conjunction with the fore part and neck piece, then seaming the neck piece to the fore part, then seaming the said parts together and during the seaming operation springing the edge of the neck piece to the edge of the fore part, thus producing a fullness at the point of connection between the fore part and neck piece, then placing the neck facing with the front facing seamed to it on the neck piece and fore part, seaming the front facing in place and as the seam is progressing into the neck facing springing the free end of the neck facing and bringing its edge to the edge of the neck piece, for the purpose of producing fullness in the facing coinciding with the fullness in the neck piece and fore part.

1,516,225. PROCESS OF MANUFACTURING CELLULOSE ACETATE. WILLIAM R. WERR, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 15, 1923. Serial No. 675,004. 10 Claims. (Cl. 260—102.)



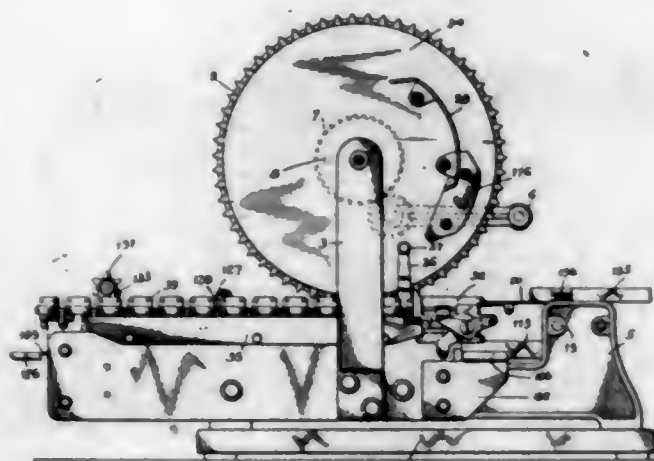
10. In the process of manufacturing cellulose acetate, repeatedly passing a current of desiccating air through spraying and drying, condensing and reheating zones, a flowable cellulose acetate reaction mass containing acetic acid being sprayed into said air at the first named zone, vapor of said acid being taken up by the air and the spray being thereby converted into a relatively dry powder which is separated from said air before the latter reaches said condensing zone, at least part of the acetic acid vapors being condensed by cooling at said condensing zone, and the air being reheated at said reheating zone.

1,516,226. SHOWER ATTACHMENT. ELVER J. WIXOM, Kansas City, Mo. Filed Aug. 6, 1921. Serial No. 490,274. 3 Claims. (Cl. 299—73.)



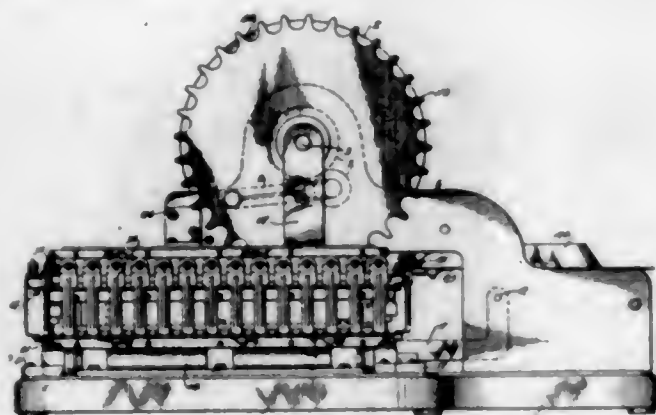
1. A shower attachment comprising a tubular member having a lateral slot, a hose extending through and having a diameter greater than the width and less than the length of the slot and extending through the upper end of said tubular member, and a nozzle fitted on the hose at one end thereof, substantially as set forth.

1,516,227. STENCIL-DUPICATING MACHINE. ERNEST J. BRASSEUR, Chicago, Ill., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1922. Serial No. 566,472. 20 Claims. (Cl. 101-118.)



1. In a device of the character described, in combination, means for printing a sheet, and means traveling in a horizontal circuit for stripping a sheet from said printing means.

1,516,228. STENCIL-DUPICATING MACHINE. ERNEST J. BRASSEUR, Chicago, Ill., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1922. Serial No. 566,473. 10 Claims. (Cl. 101-118.)

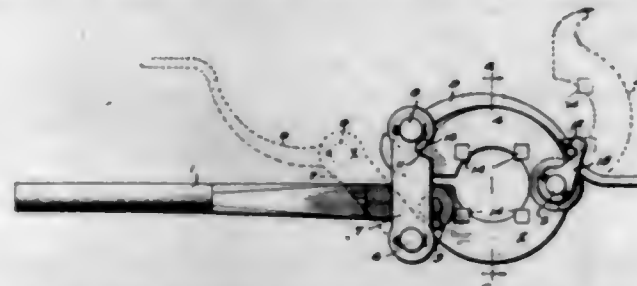


1. In a duplicating machine, mechanism for determining movement of a sheet fed to said machine, said mechanism including, in combination, a sheet gripping device operable into and out of sheet-gripping condition and movable bodily along an established path, means for positively guiding said mechanism in said established path, said means including vertical and horizontal guide members movable with said mechanism, means normally maintaining said device out of sheet-gripping condition and means coacting with said device at predetermined places along said path for operating said device into sheet-gripping condition, and means for moving said device along said path.

1,516,229. TOOL. GEORGE W. CAMERON, Hondo, Tex.; Mrs. Mollie E. Cameron executrix of said George W. Cameron, deceased. Filed July 14, 1922. Serial No. 575,098. 3 Claims. (Cl. 81-86.)

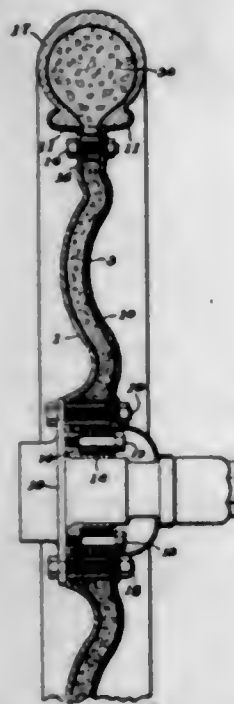
1. A pipe wrench comprising a handle, a substantially semi-circular jaw pivoted thereto, a second substantially semi-circular jaw pivoted to the outer end of the first jaw, a link pivoted to said handle, a cam lever pivoted

to the free end of said link, said cam lever being adapted to engage the free end of said second jaw, and being shaped to conform to the exterior of said second jaw,



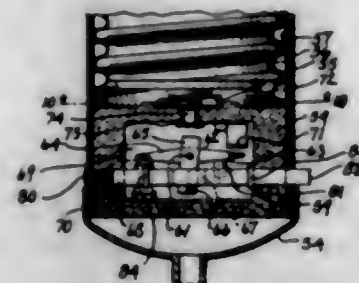
and a locking member mounted on the pivot between said jaws and engaging said cam lever adjacent its free end.

1,516,230. VEHICLE WHEEL. WILLIAM W. GARRIOTT, Seattle, Wash. Filed Apr. 30, 1923. Serial No. 635,602. 6 Claims. (Cl. 301-63.)



5. A wheel having a center composed of separated plates forming a chamber opening freely at the periphery, and a tire casing of flexible material secured to said center and having free interior communication with said chamber in the center and a filler for tire and center having a resilient aggregate and a plastic binder.

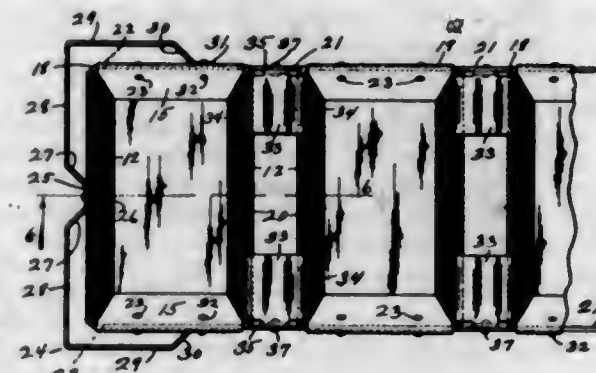
1,516,231. PUSH-BUTTON SWITCH. STEPHEN S. GRADY, Newtonville, Mass., assignor to Jay K. Cohen and Samuel K. Cohen, both of New York, N. Y. Filed Mar. 2, 1923. Serial No. 622,352. 1 Claim. (Cl. 173-355.)



In a push button switch the combination of two electric contacts mounted in an insulating member, an axle mounted in the insulating member, a rocking contact mounted on the axle and having two arms to connect and disconnect the two electric contacts and also provided with a spring arm having a convex portion, a push

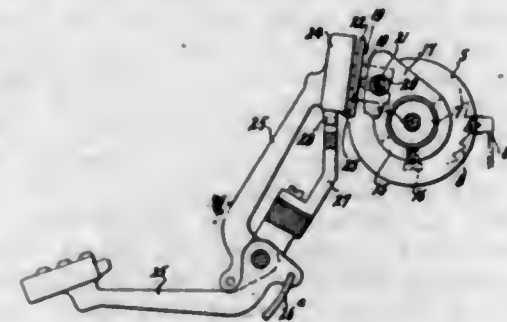
button mounted in the insulating member and provided with a convex portion to engage with and operate the convex portion of the rocking contact member to make and break the current in the push button switch.

1,516,232. BREAD-BAKING PAN AND CONNECTING AND HANDLING MEANS FOR A PLURAL ASSEMBLY THEREOF. HERMAN E. KRATZER, Salt Lake City, Utah. Filed July 28, 1923. Serial No. 654,383. 5 Claims. (Cl. 53-6.)



1. The combination with a plurality of baking pans, each comprising a bottom, end walls and side walls, of means for connecting same in series as an assembled battery unit and with the adjacent side walls of complementary pans maintained spaced apart, and combined end spacing and handling means for each end of said battery unit, each of which embodies corner encompassing angle bars extending from the outer side wall of an end pan to the end walls thereof.

1,516,233. TYPEWRITING MACHINE. JOSEPH LINDBURG, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 16, 1921. Serial No. 501,021. 32 Claims. (Cl. 33-183.)

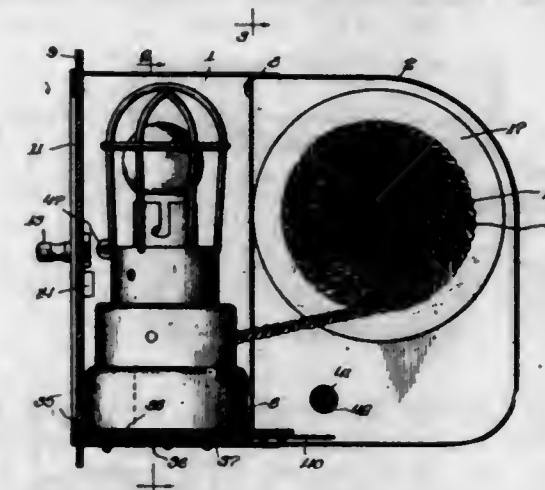


1. A device for positioning type-blocks on the type-bar, of a typewriter machine, comprising an arm, a support on which the arm is adjustable in a plane at right angles to the platen, and a type-rest or anvil carried by said arm and adjustable thereon also in a plane at right angles to the platen, said device being positionable at the printing point; whereby, upon operation of a type-bar, the type-block carried thereby may strike the anvil, and the anvil-supporting arm and anvil be adjusted to cause the face of the type-block to lie flat thereon.

1,516,234. HOUSING FOR ELECTRIC LAMPS. FREDERICK B. LITTLE, Chicago, Ill. Filed July 15, 1921. Serial No. 484,902. 1 Claim. (Cl. 240-7.)

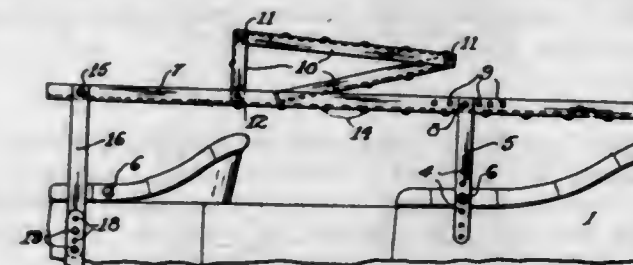
A device of the character described comprising a housing having a door thru which to insert and remove a lamp; a reel casing separably attached to the housing; a spring driven lamp-cord reel rotatable within the casing; a lamp cord wound thereon; a lamp supporting struc-

ture connected to the outer end of the cord; a circuit switch within the housing arranged to be opened by insertion of the lamp and a winding spring within the reel



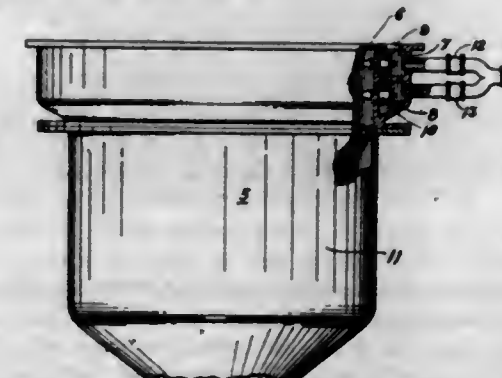
for winding the cord about the reel and drawing the lamp supporting structure within the housing whereby to open the switch.

1,516,235. BED FOR TOURING-CAR BODIES. JAMES R. MONTGOMERY, St. Louis, Mo. Filed Oct. 25, 1922. Serial No. 590,760. 1 Claim. (Cl. 5-118.)



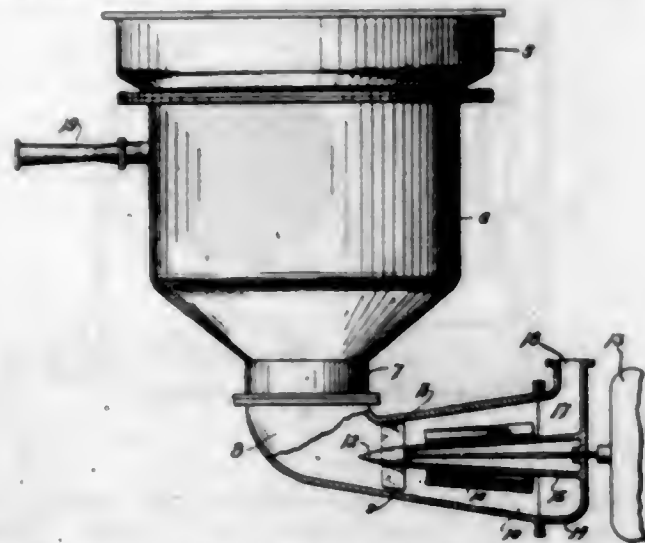
A folding-bed adapted to be used on the touring car-bodies of automobiles, comprising front vertically adjustable supporting-standards of sufficient length to extend down to and rest upon the running-boards of automobiles; rear vertically adjustable supporting-standards; a bed spring-frame carried by said front and rear supporting-standards and adjustable thereon either upward or downward or forward or backward, to fit touring car-bodies of different sized automobiles; a plurality of folding-sections hinged together and pivotally mounted upon said bed-spring-frame, and bed springs connected to the said bed spring-frame and to the frames of the said folding-sections.

1,516,236. JET CONDENSER. DAVID W. R. MORGAN, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 3, 1920. Serial No. 428,060. 15 Claims. (Cl. 261-118.)



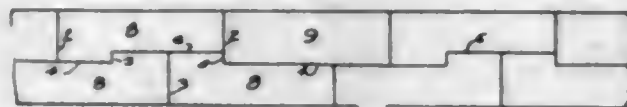
1. The combination with a jet condenser, of two distinct and adjacent water boxes therefor and means for at will introducing or withdrawing said water boxes from service.

1,516,237. JET CONDENSER. DAVID W. R. MORGAN, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 3, 1920. Serial No. 428,061. 6 Claims. (Cl. 257-24.)



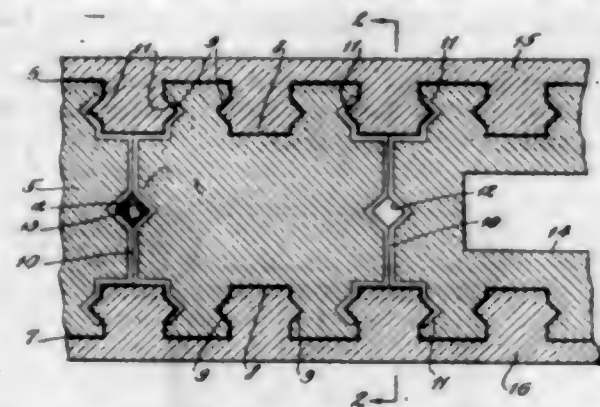
1. The combination with a jet condenser embodying a mixing chamber, of an elbow member disposed at the lower end of said mixing chamber for the discharge of condensate therefrom, an outwardly flaring member carried by said elbow member, a conical boss projecting into said flaring member to the head thereof, a propeller carried by said boss at the head of said flaring member, and a driving means for said propeller.

1,516,238. METHOD OF CUTTING SHINGLE STRIPS. CHARLES W. MORTIMER, Brooklyn, N. Y., assignor to The Barrett Company, a Corporation of New Jersey. Filed Feb. 1, 1922. Serial No. 533,226. 5 Claims. (Cl. 164-17.)



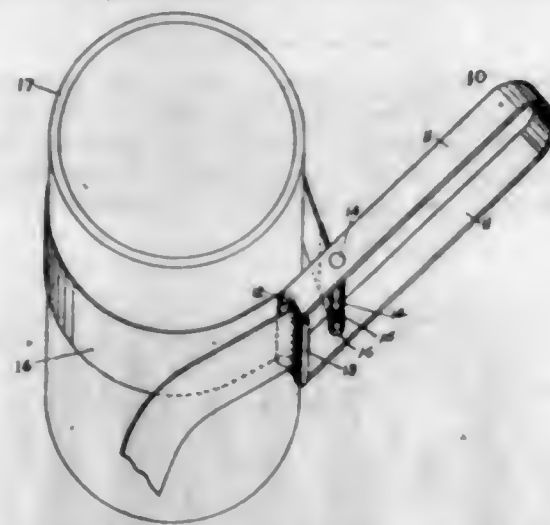
1. The process which comprises cutting two sets of parallel slits longitudinally of a sheet of roofing material, said sets being staggered and one set substantially twice as long as the other.

1,516,239. REINFORCED CONCRETE STRUCTURE. FERDINAND NEHSMANN, Bronx, N. Y. Filed Apr. 17, 1923. Serial No. 632,631. 2 Claims. (Cl. 72-50.)



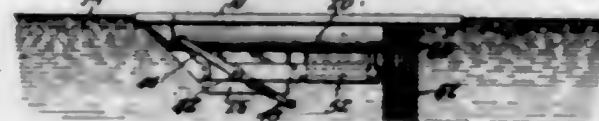
1. A reinforcing member for concrete structures, comprising a sheet fashioned to form substantially rectangular projecting members on one face only of said sheet, the faces of said projecting members being parallel to the face of the sheet, said members forming corresponding grooves in the other face of the sheet and the side walls of said projecting members being fashioned centrally thereof to form V-shaped portions forming corresponding recesses at the sides of said grooves.

1,516,240. WRENCH. CARL THEO. OSTERBERG, Milwaukee, Wis. Filed Mar. 30, 1922. Serial No. 547,992. 6 Claims. (Cl. 81-3.2.)



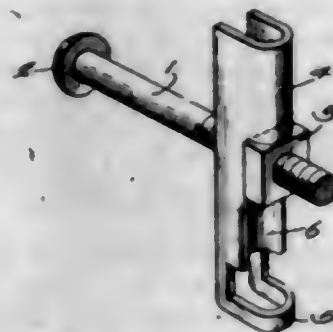
1. In a wrench, a handle formed from a strip bent upon itself to provide parallel members which terminate at their front ends in spaced angular extensions, transversely aligned sleeves arranged upon the said extensions and spaced to provide a vertical slot, a post connecting the members in the rear of the slot and parallel thereto, an adjustable strap connected at one end to the post and passing through the slot from the rear, whereby when the strap is looped about a circular object and the handle rotated the strap will have frictional engagement with the said object.

1,516,241. SWIMMER'S MOTOR. LYMAN P. OSTERHOUT, Kenosha, Wis. Filed Mar. 12, 1923. Serial No. 624,392. 1 Claim. (Cl. 9-18.)



A device of the kind described comprising a support, a pair of tanks secured to the under side of the support and extending parallel to each other along the length of the support, adjacent walls of the respective tanks being vertically disposed and straight, a fluid tight gear retaining box secured to the support between said tanks and extending considerably below the latter, the side walls of said gear box being vertically disposed and straight and in abutment with the straight vertical walls of said tanks, a propeller, and gearing within said box for operating said propeller, said gearing being disposed near the bottom of the box and below said tanks.

1,516,242. ANCHORAGE DEVICE. RALPH S. PIRCE, Hinsdale, Ill. Filed July 2, 1923. Serial No. 649,091. 4 Claims. (Cl. 85-3.)



4. In an anchorage device, the combination with a threaded rod; of an anchorage block made of sheet metal with a portion at one end of the block formed into U-shape, a second portion upon the same side of the

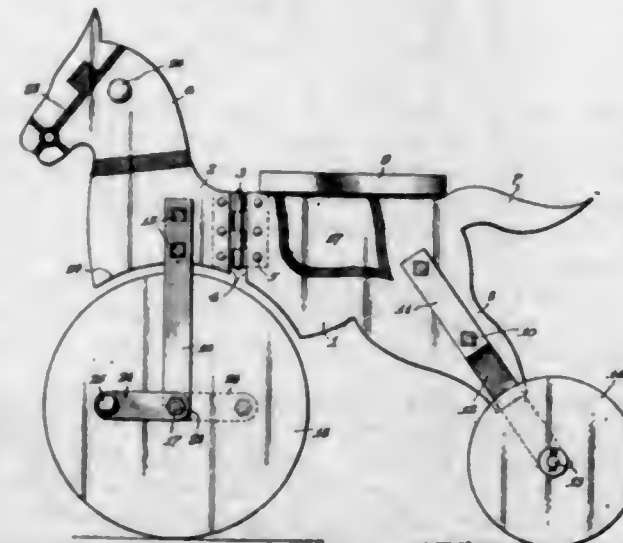
block with the base of the U-shaped block portion, and a third portion intermediate the other two and upon the opposite side of the block and separated from the first two by a space extending transversely of the block sufficiently to permit the rod to lie along the block, said three portions and the rod being formed and disposed to enable said three block portions to engage the rod upon opposite sides of the rod to prevent the block and rod from relatively turning, one of the two first aforesaid block portions being spaced apart longitudinally of the block from the intermediate block portion sufficiently to permit the rod to be extended between these block portions to lie transversely of the block, said rod having an enlargement formed to engage and be held from rotation by one of the first two aforesaid block portions, and one of the first two of the aforesaid block portions and the third block portion having opposing edge faces sufficiently approached transversely of the block to obstruct relative movement of the rod and block longitudinally of the block when the rod lies along the block and sufficiently spaced apart longitudinally of the block to permit bodily movement of the rod and its said enlargement with reference to the block when the rod lies along the block.

1,516,243. ROOFING. RAY P. PERRY, Upper Montclair, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Nov. 23, 1920. Serial No. 425,964. 6 Claims. (Cl. 108-8.)



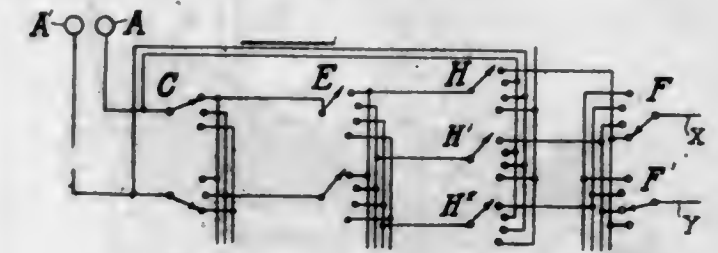
1. A shingle of the class described having one portion covered on both sides with thick layers of coating material and another portion covered with thin layers of coating material, said thick layers being covered with coarse wear-resisting material and said thin layers being covered with fine wear-resisting material.

1,516,244. VELOCIPEDE. JOHN V. POWELL, Detroit, Mich. Filed Oct. 25, 1922. Serial No. 596,735. 1 Claim. (Cl. 208-42.)



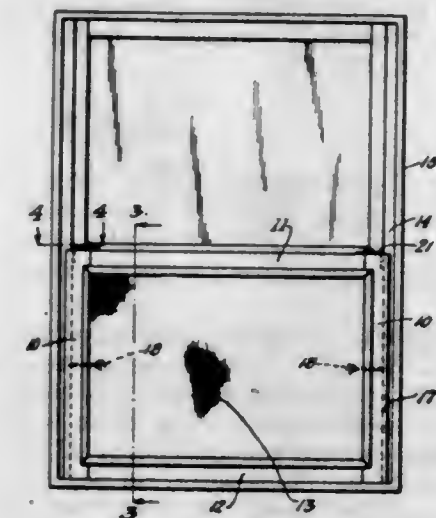
A velocipede comprising front and rear body parts, a hinge having its leaves mounted in said body parts and hingedly connecting said parts together, a seat fixed on the upper edge of the rear body part, diverging leg members attached to and extending below the rear body part, a wheel supported axle supporting said leg members, fork members attached to said front body part well in advance of said hinge, an axle journaled in said fork members, a wheel on said axle with the greater part of said wheel under the front body part and said front body part extending forwardly of said axle, nuts fixing said wheel on said axle and having cylindrical portions journaled in said fork members, and pedals supported from the ends of said axle.

1,516,245. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1920. Serial No. 424,744. 23 Claims. (Cl. 179-18.)



3. In a telephone system, selector and final connector switches, subscribers' lines accessible to said connectors, a group of trunk lines, a contact set in each connector assigned to said trunk group, and a finder switch for each trunk line having access to the contact sets in all of said connectors.

1,516,246. WINDOW SCREEN. GERALD H. REAGAN, River Forest, Ill. Filed Oct. 25, 1922. Serial No. 596,751. 3 Claims. (Cl. 156-14.)

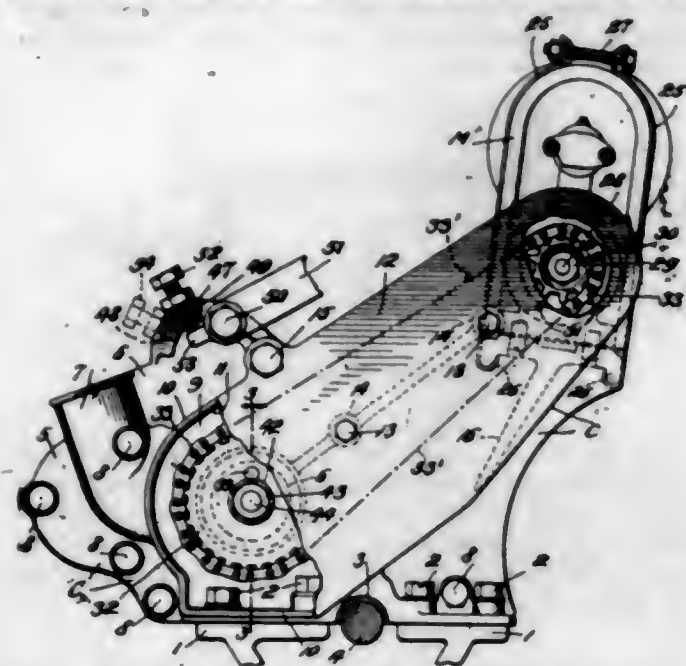


2. A window screen having side bars arranged to fit loosely between the side members of a window frame providing a space between each bar and side member, flanges on said screen overlapping said side members and spaces, shields on said screen to cover the ends of said spaces, flat plates embedded in the side edges of said side bars, and thumb screws extending parallel with said screen and entirely through said side bars and plates to engage in said side members and secure the said screen in position in either the upper or lower part of the window frame.

1,516,247. MAGNETO-DRIVE ATTACHMENT. GEORGE A. RICHROATH, Brooklyn, N. Y., assignor to Elsemann Magneto Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 606,008. 17 Claims. (Cl. 290-1.)

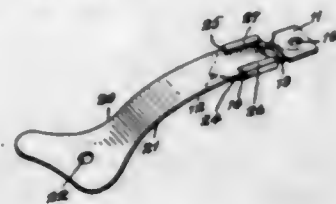
1. A magneto-drive attachment for gas-engines, comprising a casting secured to the front of the engine and extending upwardly toward the right side of the engine, the main body of said casting being recessed to provide a chamber open at the front, the lower or base portion of the back wall of said chamber having a hole through which extends the cam-shaft of the engine, there being a hole at the upper right end of said back wall for the magneto shaft, a shelf extending rearwardly of said back wall near the upper right end thereof considerably above the cam shaft, a magneto secured on said shelf, the mag-

neto shaft extending into said chamber, a sprocket wheel secured to the cam-shaft within said chamber, a second



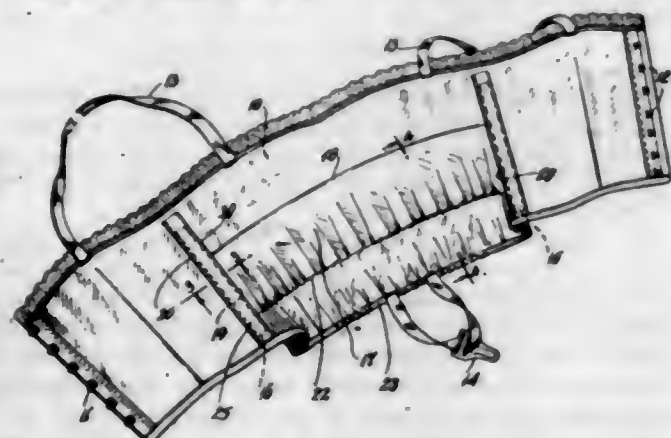
sprocket wheel fixed to the magneto shaft within said chamber, a driving chain operatively connecting said sprocket wheels, and a cover for said chamber.

1,516,248. ARCH SUPPORT. BENJAMIN ROSS, Brooklyn, N. Y. Filed June 19, 1922. Serial No. 569,274. 1 Claim. (Cl. 36-71.)



An arch support, comprising a substantially rectangular flat surface element with a base member protruding from one of its ends for being secured on the heel portion of the sole of the shoe so that the other end of the element will extend toward the shank part of the sole, a rib on the underside of the element at its juncture with the base member for contacting with the sole to space the element from the sole, a downwardly curved yielding strip having one of its ends slidably bearing upon the surface element so that the strip will span in spaced relation the shank part of the sole and the other end of the strip adapted to be immovably fastened to the sole, and inverted substantially L-shaped flanges protruding upward from the side edges of the surface element in overlapping arrangement on the strip.

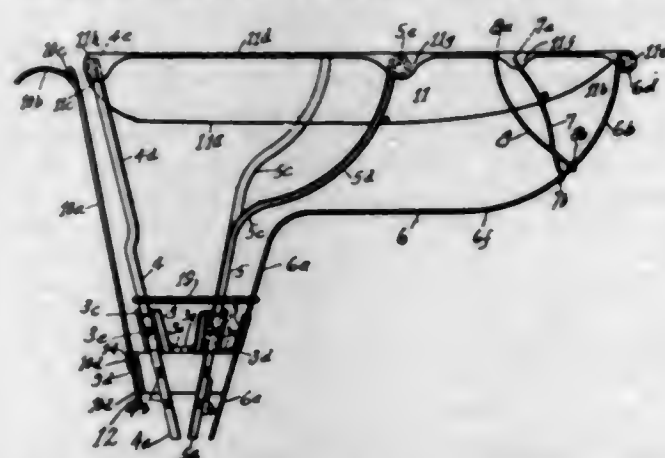
1,516,249. BRASSIERE. HENRIETTA ROTHSTEIN, New York, N. Y. Filed Dec. 13, 1922. Serial No. 606,561. 5 Claims. (Cl. 2-42.)



1. In a brassiere, in combination, with a continuous bust and diaphragm form-fitting member, an interposed bust form-fitting member supported at its sides and top

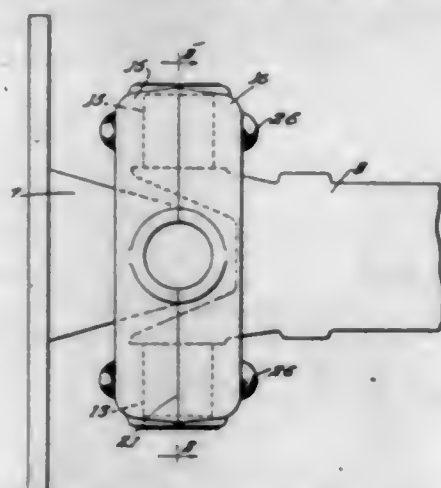
to said first member at its inner face, the lower portion of the interposed bust form fitting member being spaced inward from, and of shorter length than, the bust and diaphragm form fitting member and serving to hold the breast therein and adapted to support the bust in substantially normal position.

1,516,250. TOWEL APPLICATOR. WELLINGTON ARTHUR SNEED, Davenport, Iowa. Filed Oct. 18, 1922. Serial No. 595,219. 8 Claims. (Cl. 128-268.)



2. In a towel applicator, a disk base member having multiple facets of different dimensions, hinge means and adjustable brace members securable upon said disk base member, a shoulder strap member, hook means on one of said facets, and hanger means having holes for engaging said hook means to removably secure said shoulder straps means to said disk base member.

1,516,251. UNIVERSAL JOINT. CARL E. SWENSON, Rockford, Ill., assignor of one-fourth to Levin Faust, one-fourth to Eric S. Ekstrom, and one-fourth to Carl L. Anderson, all of Rockford, Ill. Filed Aug. 9, 1922. Serial No. 580,606. 7 Claims. (Cl. 64-102.)

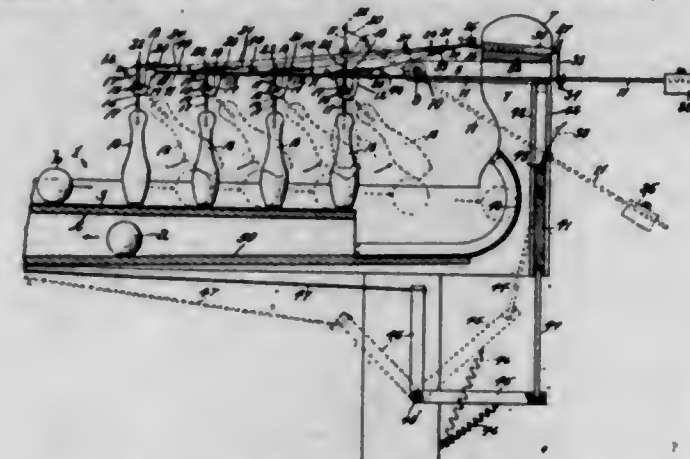


1. A universal joint comprising in combination with trunnion coupling members, of a sectional transmission body providing a lubricant container and bearings for the trunnions, means securing said sections together, and a disk member providing an end thrust bearing for the outer end of each trunnion and being retained in position by stock from the sectional body pressed over the outer marginal portion of said disk.

1,516,252. CUE PIN GAME. DANIEL H. TALBERT, Los Angeles, Calif. Filed Jan. 9, 1922. Serial No. 527,891. 8 Claims. (Cl. 46-62.)

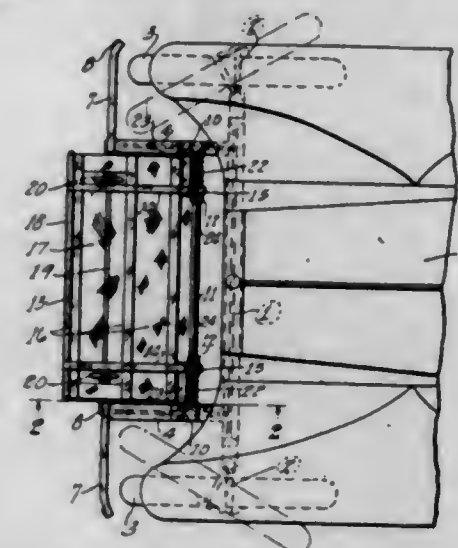
1. A cue pin game comprising a ball course; rods pivotally mounted above said course said rods having forward and rear ends; alley pins arranged to be continually supported out of contact with said course, said pins having upper and lower ends; swiveled connections between the forward ends of said rods and the upper ends of said pins whereby said pins can revolve and swing so that their lower ends will contact with an actuate

adjacent pins; adjustable weights for actuating said rods to raise said pins after they have been struck by a ball passing over said course; a reciprocating cross bar for



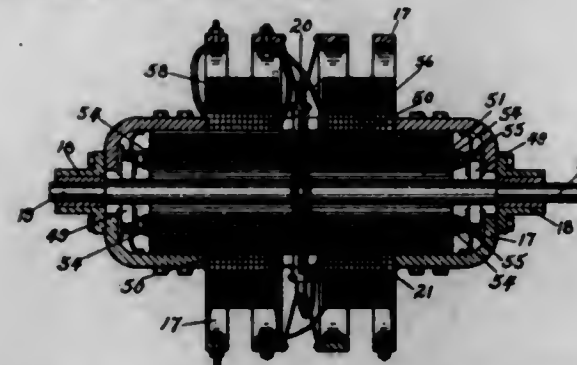
resetting said pins after they have been struck and raised; and means for actuating said reciprocating cross bar to reset said pins.

1,516,253. COMBINED FENDER AND BUMPERS FOR AUTOMOBILES. WALTER A. THUM, St. Louis, Mo., assignor to Adrian J. Eskeles, St. Louis, Mo. Filed Apr. 7, 1924. Serial No. 704,777. 6 Claims. (Cl. 293-34.)



1. An automobile fender comprising, in combination, a basket including hangers, means including a shaft having engagement with the hangers and springs having engagement with the shaft and hangers for yieldingly supporting the basket for swinging movement under engagement with an obstruction, and rollers carried by the basket for engagement with the ground-surface for limiting the swung position of the basket on engagement with the obstruction without impeding travel of the automobile.

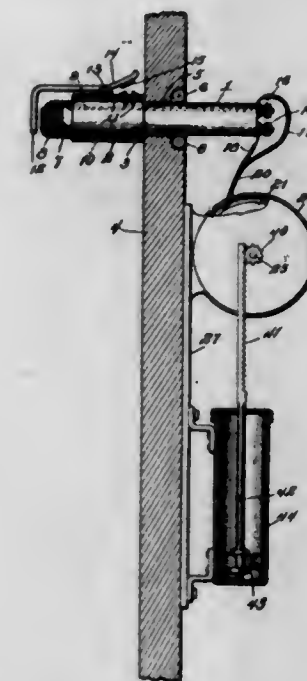
1,516,254. HOMOPOLAR DYNAMO. GEORGE S. TOWAR, Toledo, Ohio. Filed Aug. 1, 1921. Serial No. 488,797. 10 Claims. (Cl. 171-212.)



1. In an alternating current homopolar dynamo, the armature having a plurality of radiating conductors, a pair of split rings for binding the ends of the con-

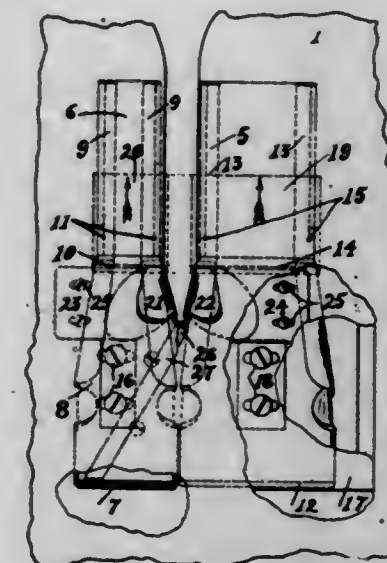
ductors together, a plurality of brushes for making contact sequentially with the conductors for connecting the conductors in parallel.

1,516,255. ELECTRIC CIGAR LIGHTER. GEORGE J. VOGEL and DAVID DAMBERO, Seattle, Wash. Filed Oct. 13, 1923. Serial No. 668,410. 5 Claims. (Cl. 219-32.)



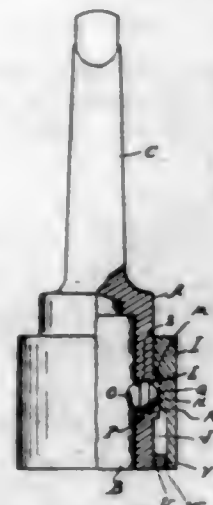
1. A cigar lighter having a coil terminal for lighting purposes, an interrupted circuit leading to the coil, a shield for the coil, and means carried by the coil to close the interrupted circuit when the shield is moved away from the coil.

1,516,256. METHOD OF APPLYING BUTTON AND BUTTONHOLE FACING STRIPS TO KNIT UNDERWEAR. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, a Corporation of Delaware. Filed Apr. 29, 1919. Serial No. 293,540. 25 Claims. (Cl. 112-2.)



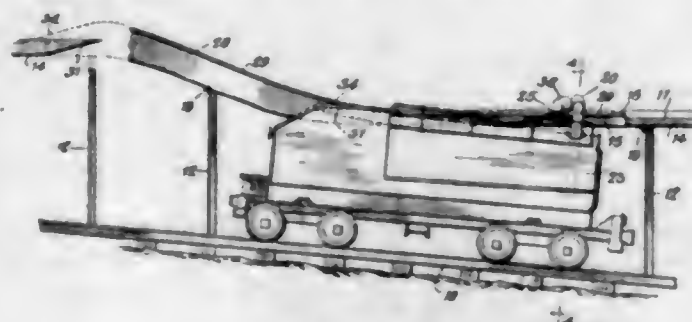
1. The method of simultaneously applying button and button hole facing strips to a garment, which consists in cutting a slit in the garment and during such cutting operation and simultaneously therewith folding the edges of facing strips and sewing to each cut edge a folded edge facing strip.

1,516,257. CHUCK. HARRY T. WHITE, Dayton, Ohio. Filed Jan. 15, 1923. Serial No. 612,567. 6 Claims. (Cl. 279-74.)



1. In a chuck, the combination with a cylindrical socket member, of a collet for engaging said socket member having an annular groove therein and a deeper recess at one point in said groove forming an annular wall or shoulder below the surface of the collet, a sleeve or collar surrounding said socket and independently rotatable thereon, and a dog for coupling said collet to said socket located in a recess in the wall of the socket, said dog comprising an inner semispherical portion for engaging the annular groove in said collet and the deeper recess therein, a portion adjacent to said semispherical portion, being of greater diameter and forming an annular shoulder therebetween, and an outer end portion flush with said cylindrical socket member when said inner end engages said collet and spaced from said innermost portion by more than the thickness of the wall of said socket, said sleeve having an annular recess for engaging said outer portion, and a conical portion adjacent to said recess for forcing the dog inward, the recess in said socket being counter-bored to form an annular shoulder for engaging said annular shoulder of the dog.

1,516,258. WATER-SUPPLY APPARATUS FOR RAILWAYS. JOHN WILKES, Nashville, Tenn. Filed Jan. 7, 1924. Serial No. 684,859. 16 Claims. (Cl. 103-82.)

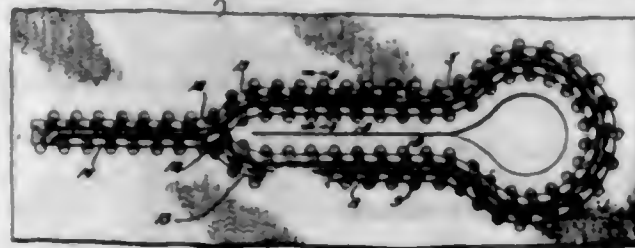


1. An apparatus for supplying water to locomotives or other railway vehicles comprising a plurality of troughs, water-receiving means carried by said vehicle and co-operating with said troughs, and means for guiding said water-receiving means from one of said troughs to another.

1,516,259. SEWED BUTTONHOLE. ALFRED R. WOOD, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Feb. 27, 1923. Serial No. 621,558. 2 Claims. (Cl. 112-264.)

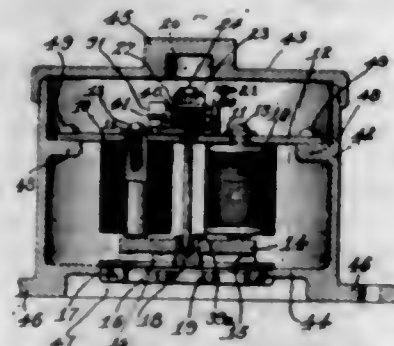
1. A sewed buttonhole comprising a body fabric of unreinforced knit-goods having a buttonhole-slit, a cord passing once only around said slit, and an overseam covering said cord and comprising a row of staggered

and keyed thread-loop structures passing in straight lines through the body-fabric and defining an overseamed zone in the body-fabric of substantially the same width



as the cord, the end portions of the cord being superposed and overseamed beyond and in line with the buttonhole-slit to form a fly-bar.

1,516,260. INCLOSED-DIAPHRAGM BUZZER. FRANK W. WOOD, Montclair, N. J., assignor to Charles Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1919. Serial No. 316,001. 2 Claims. (Cl. 177-7.)



1. In sound producing apparatus, an armature, sound producing means actuated by the armature, a yoke, a magnet mounted on the yoke adjacent the armature so that the energizing of the magnet will shift the armature from its normal position, a carrier frame mounted transversely on said yoke, the longitudinal centres of said carrier frame and yoke being approximately in register, a resilient element mounted at one end adjacent the end of the carrier frame and extending across said registering centres, a yieldable element mounted at one end adjacent the opposite end of the carrier frame and extending toward said centres into juxtaposition with the inner end of the resilient element, cooperating contact points carried by the adjacent ends of the resilient and yieldable members connected in circuit with the magnets, a plunger rod slidably mounted through the carrier frame and yoke adjacent said centres, one end of the plunger engaging the armature and the other being engaged by the resilient element, the construction being such that the energizing of the magnets shifts the armature, moving the reciprocating element to shift the resilient finger and breaking the contact, said finger then returning the armature to its normal position by pressure on the reciprocating element, and simultaneously closing the magnetic circuit.

1,516,261. EYESHIELD. ARVID C. YOUNGQUIST, Chicago, Ill. Filed May 23, 1923. Serial No. 640,821. 3 Claims. (Cl. 2-14.)

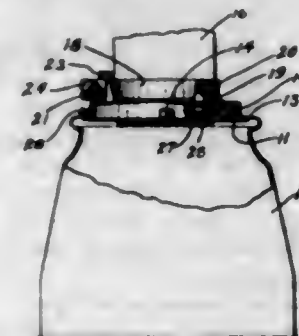


2. An attachment for eyeglasses and the like comprising a shield, said shield having a continuous resilient strip shaped to embrace the rim of a lens and containing yielding reinforcing means.

1,516,262. STEEL. KARL W. ZIMMERSCHIED, New Rochelle, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 7, 1921. Serial No. 435,091. 9 Claims. (Cl. 204-63.)

1. That improvement in the art of manufacturing commercial steels having the general properties of ordinary chrome-vanadium steels without the use of a vanadium-type reducing element which consists in subjecting normal chrome steel to the action of the ordinary steel-making materials in an electric furnace to an extent sufficient to remove the objectionable oxides and other deleterious elements.

1,516,263. SHADE HOLDER. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1922. Serial No. 556,837. 1 Claim. (Cl. 240-129.)



A shade holder having an outwardly extending annular flange for engagement with an inwardly extending annular flange on a shade, said shade holder having a cylindrical portion above said shade flange having a plurality of openings therethrough, and a spring ring in said cylindrical portion having bent portions extending through said openings above said shade flange to hold said shade flange down against said shade holder flange, the bent portions of said ring being inclined with respect to the shade flange to wedge it downwardly.

1,516,264. DISPLAY. HOMER H. BLISS, Rockford, Ill. Filed Nov. 11, 1922. Serial No. 600,256. 1 Claim. (Cl. 35-17.)

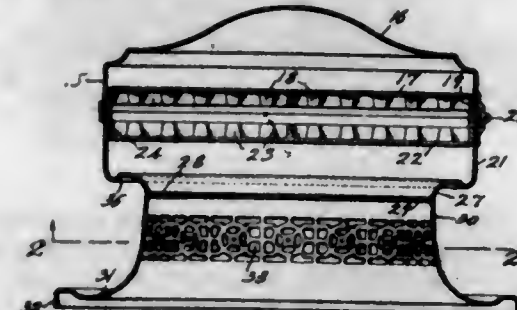


An advertising and sales device comprising profile pictorial facsimiles of articles of merchandise of a given class, a holder having a scenic pictorialization illustrating a realistic condition under which said articles are adapted to be used, the component parts of said pictorialization being proportional to those of said facsimiles, said holder having an article-holding area on the face of which any one of said facsimiles may be displayed in realistic and proportional relation to the surrounding component parts of the pictorialization, and holding means on said holder located only at said article-holding area and on said facsimiles only at the back thereof and adapted to become operative by the location of any selected facsimile in display position

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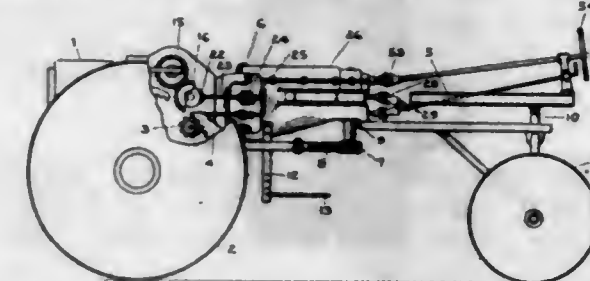
on the face of the holder for supporting said facsimile thereon and permitting adjustment of the facsimile at will to locate its component parts in any determined relation to those on said pictorialization.

1,516,265. WAFFLE IRON. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed July 5, 1923. Serial No. 649,713. 3 Claims. (Cl. 53-10.)



2. A waffle iron, or the like, comprising two complementary casings for cooking elements, located one above the other, a support comprising an elevating standard of smaller periphery than the periphery of the lower casing and a tray-like base extending beyond the periphery of the casings, and a downwardly extending bead adjacent the lower edge of the wall of the lower casing.

1,516,266. COMBINED HAND AND POWER STEERING DEVICE FOR TRACTORS. HARRY S. DICKINSON, Moline, Ill., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Nov. 1, 1920. Serial No. 420,870. 7 Claims. (Cl. 180-12.)



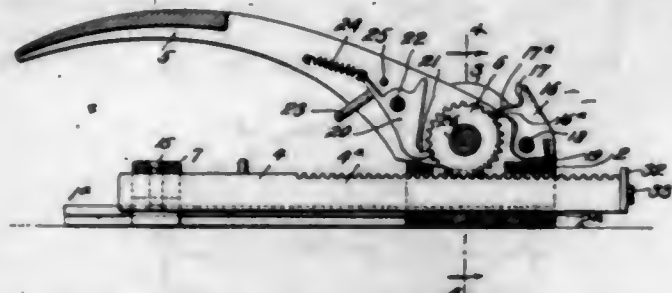
1. A front wheel drive tractor having a power plant, propulsion mechanism including two forward drive wheels, a coupling frame pivoted to the tractor to swing about a substantially vertical axis for steering purposes, a steering mechanism carried by the coupling frame, means for controlling the steering mechanism operable from a position at the rear of the coupling frame, power transmitting means extending from the tractor to the coupling frame, said power transmitting means being flexible in substantial alignment with the pivot of the coupling frame to the tractor and being supported by the coupling frame, connections between the power transmitting means and the steering mechanism to operate the latter by power, and means for connecting the power transmitting means to various devices to be drawn to operate the mechanisms of said devices by the power of the tractor.

4. A tractor having a power plant, propulsion mechanism including two forward drive wheels, a coupling frame, an electrical generator carried by said frame, and means for transmitting power from the propulsion mechanism to the generator.

1,516,267. TIGHTENER FOR PACKAGE BANDS, STRAPS, AND THE LIKE. EMIL DIETZE, Richmond Hill, N. Y., assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 15, 1924. Serial No. 686,302. 5 Claims. (Cl. 254-66.)

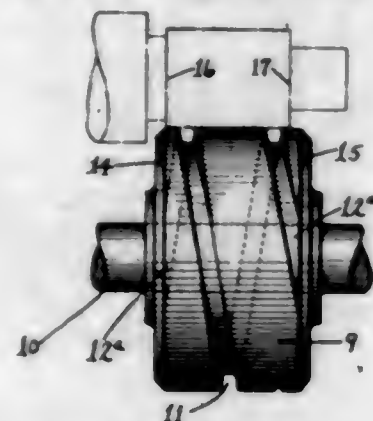
1. In a tightener device for package straps, the combination with a pair of clamps, each consisting of a piv-

oted arm formed with a jaw, for engaging the adjacent ends of a strap, of a frame on which one of the clamps is supported, a traveling bar sliding on said frame and carrying the other clamp, said bar having a rack, a gear wheel mounted in the main frame, and an oscillatable handle, together with a pivoted dog thereon engaging the



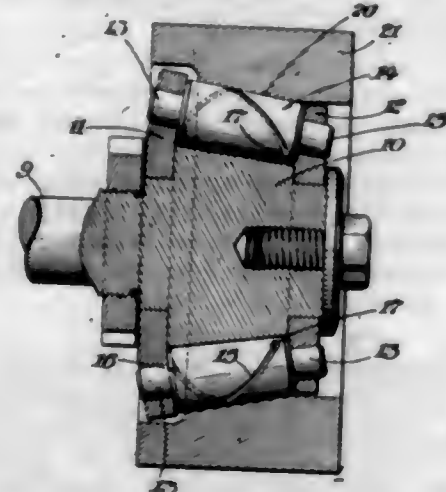
gear wheel and having a heel projection, and retaining means for holding the gear wheel in its rotated position consisting of pawls located half a tooth of said gear wheel apart and having heel projections engaged by the heel of the dog device when the handle is lifted clear back for the purpose of releasing the pawls, together with a positive stop for the dog.

1,516,268. COMBINED SHAVING AND BURNISHING TOOL. ALFRED E. DRISSENER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 5, 1921. Serial No. 513,207. 29 Claims. (Cl. 20-103.)



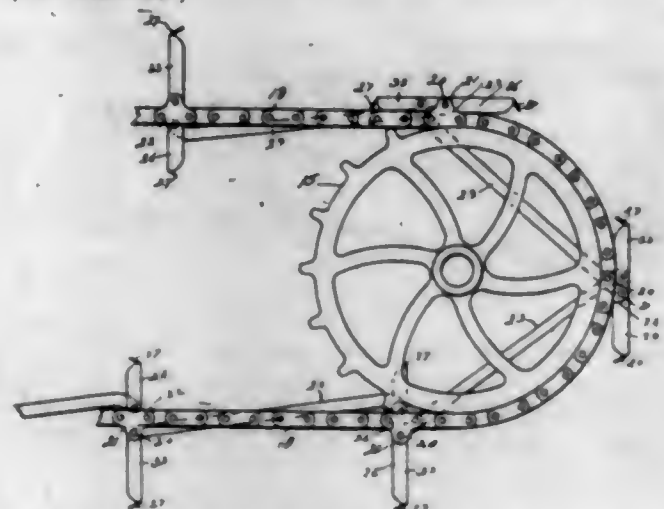
1. A combined burnishing and shaving tool having a burnishing surface, and having between the ends of said burnishing surface means for shaving the work while the burnishing thereof is proceeding.

1,516,269. SHAVING AND BURNISHING TOOL. ALFRED E. DRISSENER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 29, 1922. Serial No. 578,326. 35 Claims. (Cl. 20-103.)



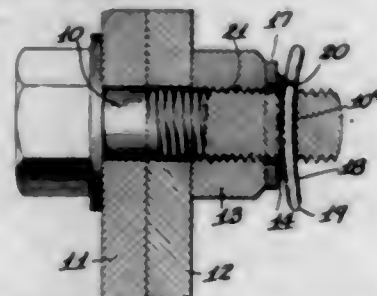
1. A combined shaving and burnishing tool operative to burnish the work while the shaving thereof is proceeding and comprising a plurality of rolls each having a burnishing surface and a shaving or cutting edge.

1,516,270. SHIP-PROPULSION MEANS. LEVI E. EDMUNDS and ALBERT E. EDMUNDS, Philadelphia, Pa. Filed July 21, 1923. Serial No. 652,946. 2 Claims. (Cl. 115-63.)



2. The combination with two pairs of sprocket wheels, and a pair of endless chains associated with said sprocket wheels, of paddles pivotally mounted midway their height between said chains outside of the outer surfaces of said chains, and levers, each having an end pivoted to the side of a paddle inside of the chains and having the other end pivoted to a chain forward of its respective paddle when considered with relation to the normal direction of travel of the paddles.

1,516,271. LOCK WASHER. WILLIAM F. EVANS, Astoria, N. Y., assignor of one-third to Nicola Figliolo, New York, N. Y. Filed Oct. 4, 1922. Serial No. 592,272. 9 Claims. (Cl. 151-5.)



1. A split lock washer of the class described, provided in one side face thereof with one or more recesses beveled inwardly and radially.

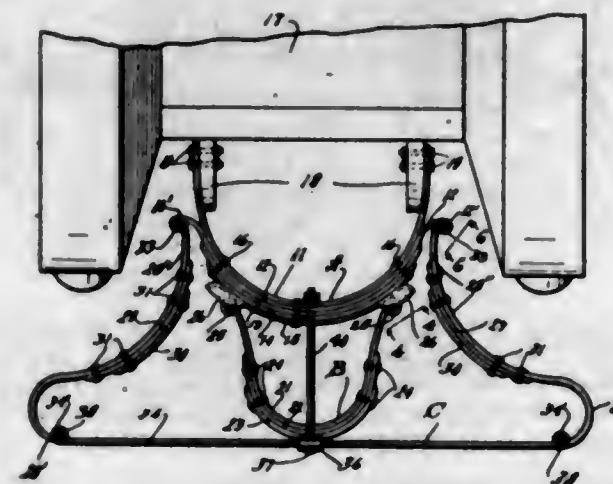
1,516,272. TENSION-RELEASING MECHANISM FOR SEWING MACHINES. ALBERT F. FIFIELD, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Original application filed May 1, 1919, Serial No. 294,034. Patent No. 1,447,941, dated Mar. 6, 1923. Divided and this application filed Feb. 20, 1923. Serial No. 620,175. 4 Claims. (Cl. 112-254.)



1. In a sewing machine, the combination with a take-up, a tension device, a stop-motion mechanism, and automatic thread-cutting mechanism including means for

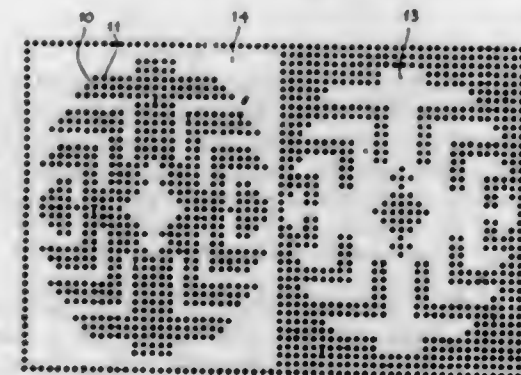
detaining the last formed needle-thread loop, of automatically operated means for opening the tension device at substantially the time the take-up is tightening said last needle-thread loop about the loop-detaining means.

1,516,273. BUMPER. GUST GRAKUMIS, Chicago, Ill. Filed May 31, 1924. Serial No. 716,856. 10 Claims. (Cl. 293-55.)



1. A bumper comprising a plurality of leaf spring members connected by movable joints and mounted one outward of the other to produce a compound cushioning effect, said spring members having compound curved portions.

1,516,274. METHOD OF ORNAMENTING FABRICS. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 600,652. 8 Claims. (Cl. 41-26.)



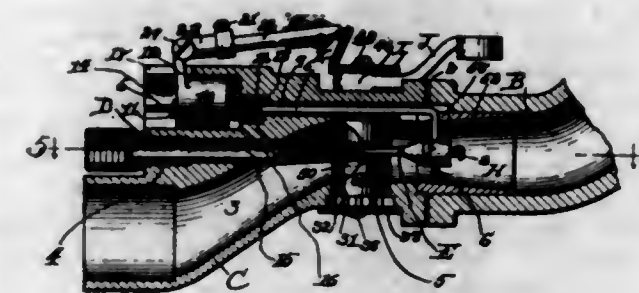
1. The method of laying out designs which includes the employment of surfaces made up of contrasting portions, all the surfaces being identical, and obliterating some of the contrasted surface; the remainder of said surface outlining the design.

1,516,275. CONTAINER. HENRY R. HANSEN, Jersey City, N. J. Filed Dec. 24, 1923. Serial No. 682,376. 6 Claims. (Cl. 229-29.)



1. A container comprising compartments, each provided with an opening, and each provided with interlocking, yieldable, resilient holding members arranged at the top or bottom of said compartments for and adapted to hold the top or bottom of the articles in said compartments.

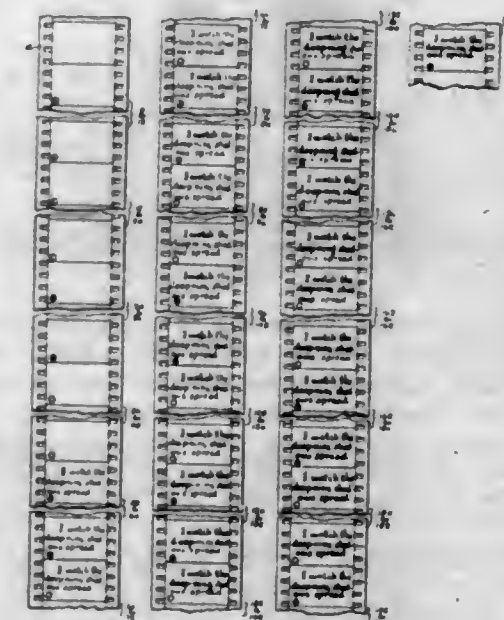
1,516,276. CARBURETOR. ALVIS J. HAUSKINS, Chicago, Ill. Filed Sept. 17, 1923. Serial No. 663,045. 3 Claims. (Cl. 261-51.)



1. A carburetor of the class described comprising a casing formed with an air intake passage and a fuel nozzle extending axially into said air passage, valve members adapted to close said air passage adjacent said fuel nozzle, a passageway extending through said casing parallel to said fuel nozzle, and communicating with said air intake passage, a spring actuated piston mounted in said passageway, a needle valve associated with said fuel nozzle, and means extending through said passageway into said air intake passage and operably connecting said piston and needle valve.

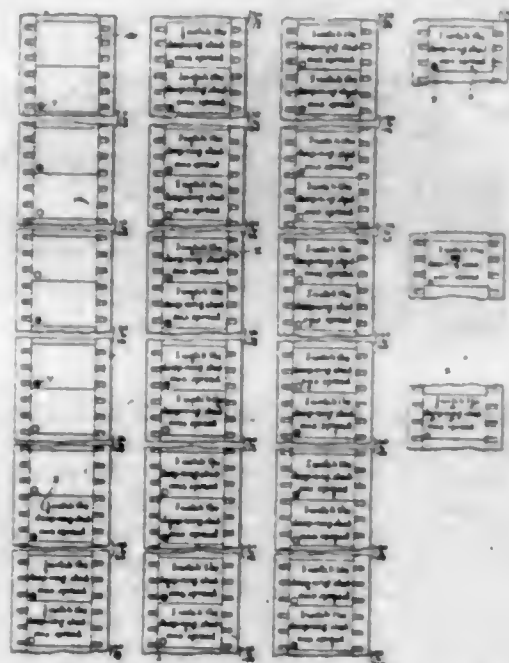
2. In a carburetor of the class described comprising a casing formed with an air intake passage, a fuel nozzle extending into said passage, valve members rotatably mounted in said casing and adapted to close said passage adjacent said fuel nozzle, a needle valve associated with said fuel nozzle, a piston in said casing and mounted for reciprocatory movement by the suction in said air passage and connected to said needle valve, and means operatively connecting said piston and said valve members for positively adjusting said needle valve independent of the vacuum in said air passage.

1,516,277. CINEMATOGRAPH PROCESS AND FILM. GUSTAVE G. HEGERMAN, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 605,348. 7 Claims. (Cl. 88-16.)



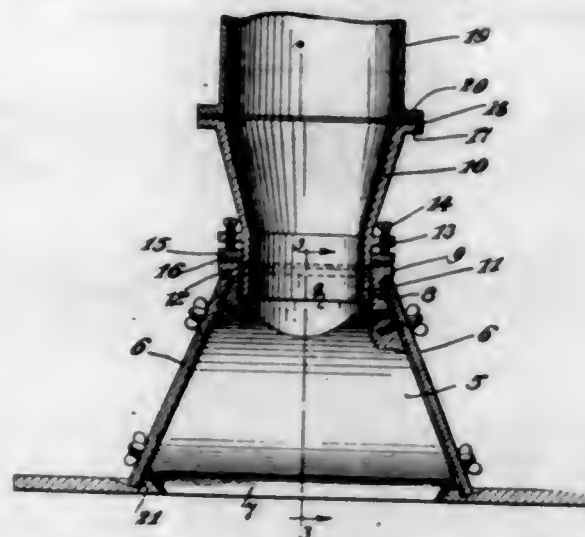
1. The process of projecting a song to be sung to music accompaniment which consists in projecting the song text from a traveling film to appear on the screen during the entire singing of the song, and from the same film causing the appearance of the words to be changed in sequence for guiding the singers to sing the words in synchronism with the playing of the notes of the music to which the respective words are to be sung.

1,516,278. CINEMATOGRAPH FILM. GUSTAVE G. HEGGERMAN, Chicago, Ill. Filed Aug. 6, 1923. Serial No. 655,836. 1 Claim. (Cl. 88-16.)



A cinematograph film for a text to be read having the text on each of its frames and having also indicating means progressively associated with the words or syllables of the text to appear at each word or syllable at such time as such word or syllable is to be read when the film is projected on the screen.

1,516,279. FEED CONDUIT. RICHARD HELLMANN, Long Island City, N. Y. Filed Apr. 29, 1924. Serial No. 709,875. 5 Claims. (Cl. 226-19.)



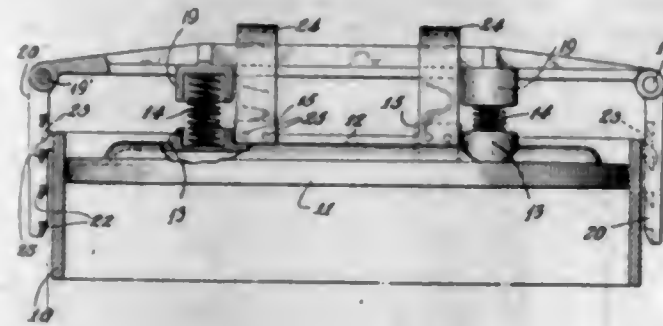
1. A feed conduit comprising a main conduit section, a second conduit section interposed between the main section and a stationary feed conduit and having a part at its lower end extending downwardly into the main conduit section, and means for vertically adjusting said second conduit section to effect an air and fluid-tight connection between the same and said stationary feed conduit.

5. The combination of two spaced conduits with an interposed conduit, the latter telescoping with one conduit and abutting the other, gaskets between the spaced conduits and the interposed conduit, and means for moving the interposed conduit to simultaneously expand the gaskets.

1,516,280. HAM COOKER. FREDERICK EDWARD HODDERSEN-BALLING, Brooklyn, N. Y. Filed Feb. 1, 1922. Serial No. 533,284. 8 Claims. (Cl. 100-57.)

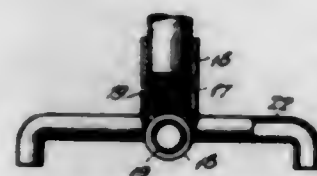
1. A device of the class described comprising the combination with a receptacle and a cover cooperating therewith, of means for securing the cover to the receptacle

including a bar extending over the cover and spaced normally therefrom, spring means between the bar and the cover affording relative movement therebetween, means for connecting the bar to the receptacle, and keeper means surrounding said bar and fixed to the cover



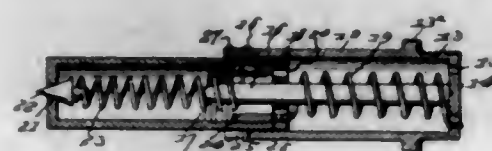
for limiting the upward movement of the bar relatively to the cover, said bar being provided with cross bars adjacent to the end portions thereof, and said keeper means comprising a pair of U-shaped members having engagement respectively with said cross bars.

1,516,281. RACK. ALEXANDER EISNER, Brooklyn, N. Y. Filed Sept. 20, 1922. Serial No. 589,280. 1 Claim. (Cl. 211-14.)



A foot for racks of the class described, said foot having a body member with floor-engaging portions and socket parts to receive upright and lateral rack members, said socket parts having respectively threaded portions of considerably less diameter than the sockets proper.

1,516,282. LOCK AND FUEL SAVER FOR EXPLOSION ENGINES. MOSE FISHER, Plain, N. Mex. Filed May 16, 1922. Serial No. 561,385. 9 Claims. (Cl. 251-144.)

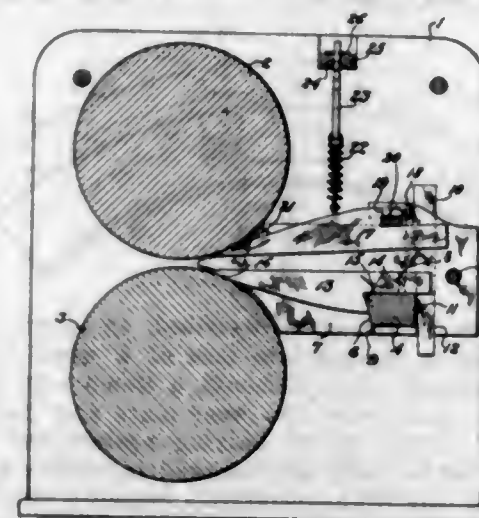


1. A motor car locking device having complementary stationary and removable members of which the former is adapted for attachment to the intake manifold of the vehicle engine to permit of an admission of air sufficient to supply the suction to the cylinder pistons, and the other constitutes a means of controlling the influx of air through the first-named member, the said members being of telescoping construction and the first-named member being provided with an axial pin for obstructing the introduction of a substitute plugging means.

1,516,283. BAR-MILL GUIDE. JOHN W. FLEISHOUR, Canton, Ohio. Filed Nov. 23, 1922. Serial No. 602,773. 2 Claims. (Cl. 80-51.)

1. The combination with a rolling mill having upper and lower rolls and a rest bar, of a pair of side guides

mounted upon the rest bar and extending between the rolls, a lower guide resting upon the rest bar and the



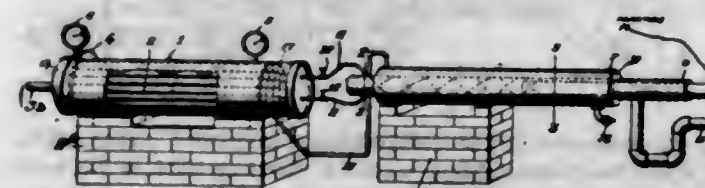
lower roll and an upper guide extending beneath the upper roll and resiliently suspended from the upper portion of the mill housings.

1,516,284. CAP. SAMUEL H. SCHNEIDER and MORRIS FOX, New York, N. Y. Filed Sept. 27, 1921. Serial No. 503,634. 1 Claim. (Cl. 2-197.)



In a cap structure, a crown member of inverted cup shaped formation having the rear lower end thereof cutaway circumferentially to provide a forward depending lower end portion, a vizor secured to the lower edge of the forward depending lower end portion with the opposite ends of the vizor spaced from the opposite rear edges of the depending lower end portion, a band member secured to the lower rear edge of the crown and to the rear edges of the depending front portion to define a flexible plait forming portion between the vizor and the rear edges of the depending front portion, the said band having forwardly extending free extremities, and a strap member adapted for adjustable connection with the free ends of said band for regulating the head size of the cap, said strap member adapted to overlie the depending front portion of the crown.

1,516,285. PROCESS OF AND APPARATUS FOR REFINING CRUDE OILS. CLAUDE LESLIE FREELAND, Bristow, Okla. Filed Oct. 10, 1919. Serial No. 329,725. 6 Claims. (Cl. 196-71.)



1. Apparatus for refining crude oil comprising a heater for the crude oil, tubular concentric casings spaced apart from each other, means for heating the space

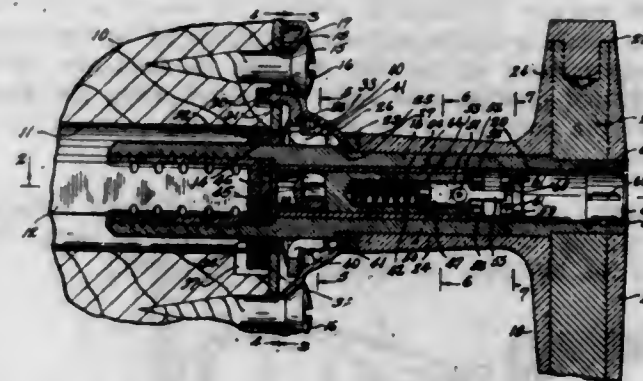
between the casings, connecting means between the inner casing and heater for delivering the heated oil to the inner casing, means associated with said connecting means for imparting a whirling motion to the heated oil about the axis of said casing so as to separate the low gravity products from the high gravity products while moving longitudinally thereof, and means at the delivery end of the inner casing for collecting the vapor at the center of the whirling oil, said means being adjustable into and out of the casing.

1,516,286. FASTENER. RENO C. FRITZ and CARL E. ENGLAND, Red Wing, Minn. Filed Feb. 27, 1923. Serial No. 621,592. 1 Claim. (Cl. 24-230.)



A fastener of the class described consisting of a socket, a spring catch within said socket fastened to one wall thereof, said catch having a pressure piece extending through the opposite wall of the socket, the forward end of the catch having a lateral extension facing the last mentioned wall, a stop within the socket on the first mentioned wall intermediate said extension and the entrance end of the socket, a complementary fastening member cut away inwardly of a side thereof to provide a tongue and a shoulder, said shoulder being engageable with said stop, said stop being located inwardly a distance from said entrance end, whereby the complementary member may be snugly received for a portion of its length in the socket, the forward end of the tongue being beveled to depress the said extension and catch member, and said tongue having a recess extending inwardly to engage and retain the extension.

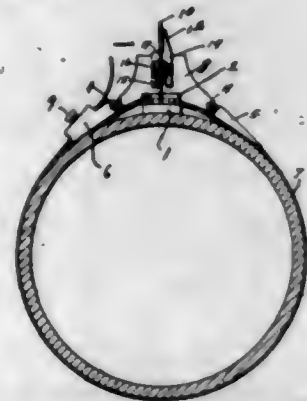
1,516,287. LOCKING HANDLE WITH ADJUSTABLE SAFETY COLLAR. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 4, 1923. Serial No. 678,885. 18 Claims. (Cl. 70-91.)



1. In combination, a handle including a tubular element having a transverse opening, a tubular member in said element having openings in alignment with the first mentioned opening, a bolt slidable in said openings, a cylinder rotatably mounted in the tubular member, an operative connection between the bolt and cylinder, cooperative locking means carried by the cylinder and tubular member to lock the cylinder against rotation, means whereby the locking means may be released, and a stationary securing element adapted to coact with the bolt to secure the handle against rotation.

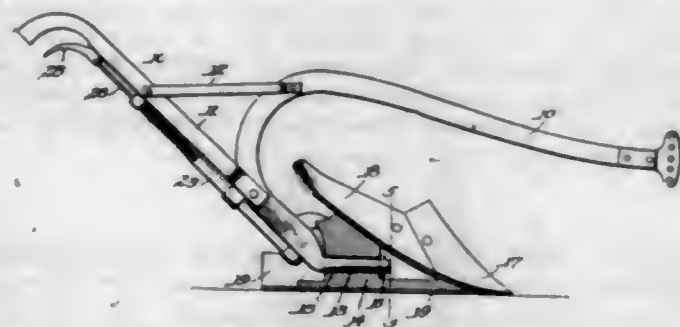
8. In combination, a door, an escutcheon, a latch operating spindle mounted in said escutcheon, means for locking the spindle to prevent operation of the latch, means for securing the escutcheon to the door, and independent means for securing the spindle to the door when the spindle is locked.

1,516,288. BEVEL PROTRACTOR. FRANK E. GODFREY, Tonkawa, Okla., assignor of one-half to American Iron & Machine Works, Inc., Tonkawa, Okla., a Corporation of Oklahoma. Filed Oct. 27, 1923. Serial No. 671,159. 3 Claims. (Cl. 33—75.)



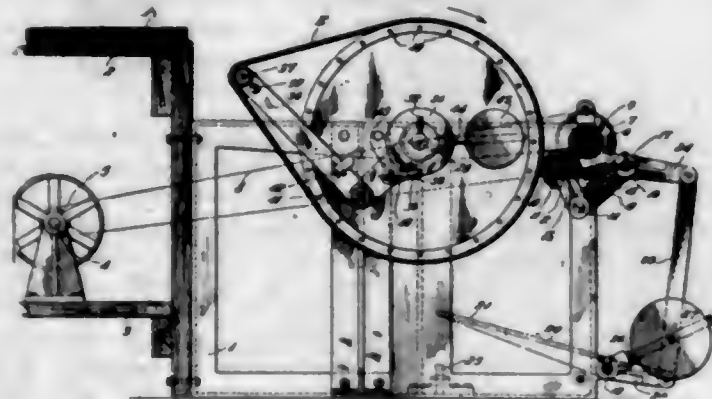
1. A protractor of the class described comprising an elongated member, a cross head hingedly connected therewith, a flexible member secured to one end of the cross head, means for adjustably connecting the flexible member with the opposite end portion of the head, an arcuate plate carried by the member and bridging the cross head, said plate being provided with degree indications, and a pointer carried by the cross head for coaction with the indications.

1,516,289. PLOW. JOSEPH Z. GRAHAM, Alicia, Ark. Filed Dec. 18, 1922. Serial No. 607,663. 5 Claims. (Cl. 97—31.)



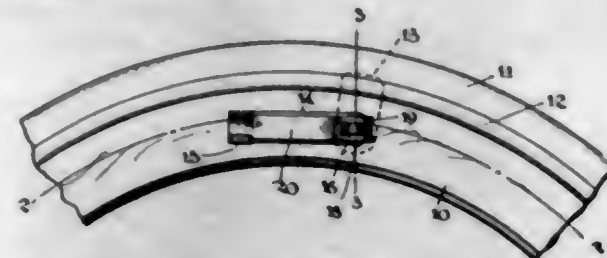
1. A plow comprising a beam, a block mounted for pivotal adjustment on said beam and provided with spaced notches arranged in arcuate formation at one end of the block, a spring actuated dog carried by the beam for engagement within the notches, to hold the block in adjusted position and stops extending from the block beyond the notches in the path of the dog.

1,516,290. CORD-BAND-BUILDING MACHINE. FRANK H. GROVE, Columbiana, Ohio. Filed Oct. 9, 1922. Serial No. 593,340. 7 Claims. (Cl. 154—10.)



1. A cord band building machine including a rotatable drum around which successive layers of cord fabric are arranged to be placed and pressure means co-operating with the drum for pressing the several layers of cord fabric together, and means for stretching the cord fabric away from the drum as the layers are pressed together.

1,516,291. WHEEL-RIM LOCK. OSCAR HODGEN, Ettrick, Wis. Filed Apr. 5, 1924. Serial No. 704,457. 1 Claim. (Cl. 301—20.)



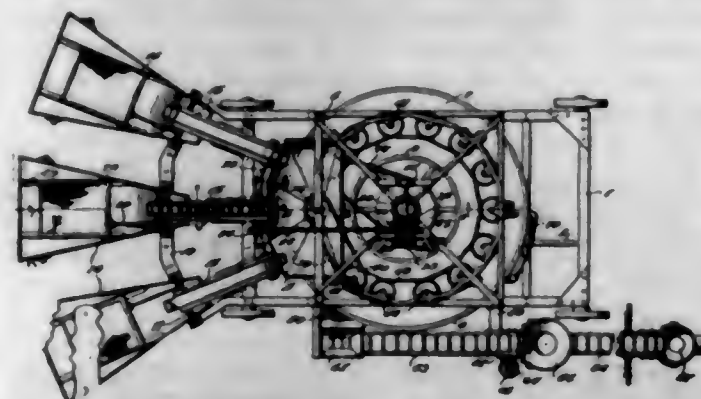
In a device of the class described, an apertured wear member bearing against one face of a wheel body and carrying yieldable catch elements, a clamp bolt extending through the aperture of the wear plate and through the wheel body, a clip device bearing against the opposite face of the wheel body and adapted to engage against a wheel rim, a cam device rotatively engaging the bolt and operative against the wear member, and an operating arm extending from the cam device and engaging the resilient catch elements of the wear member.

1,516,292. POLE STRAP. FREDERICK C. HOLSTEIN, Herman, Nebr. Filed Mar. 26, 1924. Serial No. 702,075. 1 Claim. (Cl. 54—1.)



In a harness, the combination of a wagon tongue yoke provided with a pole, a breech strap, a pole strap adapted to be disposed beneath the stomach of a horse, said pole strap having its rear end provided with a ring, diverging rearwardly extending straps connecting the pole strap to the breech strap, the forward end of said pole strap extending over the yoke pole, said forward end of the pole strap being provided with a snap hook, and a plurality of spaced rings carried by the under side of the pole strap to any of which the snap hook may be attached.

1,516,293. CONTINUOUS AUTOMATIC CONCRETE MIXER. MILTON F. HORST, Los Angeles, Calif., assignor of one-third to Christian H. Horst, Los Angeles, Calif. Filed Feb. 20, 1924. Serial No. 694,066. 6 Claims. (Cl. 83—73.)



1. A concrete mixer comprising inner and outer annular stationary concentric walls, a moving bottom between said walls, means for delivering material onto said bottom, and a circular series of mixing elements disposed between said walls above the said bottom for successively acting on the material.

1,516,294. PAPER CLIP. MAXIMILIAN J. HUBENY and HERMAN A. FRAHM, Chicago, Ill. Filed Mar. 21, 1923. Serial No. 626,511. 2 Claims. (Cl. 24—261.)



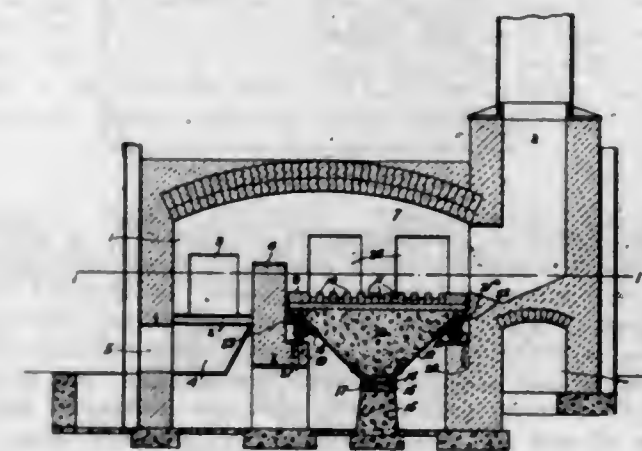
2. A paper clip of the character described comprising a pair of cooperating gripping members arranged to receive sheets of paper or the like therebetween, said gripping members having convolutions in their work engaging surfaces transverse to the plane of the work engaging surfaces.

1,516,295. AIRCRAFT. DWIGHT W. HUNTINGTON, Jr., Hempstead, Long Island, N. Y. Filed Apr. 14, 1921. Serial No. 461,183. 16 Claims. (Cl. 244—14.)



1. In aircraft, a fuselage comprising an interiorly unobstructed shell, and supporting surfaces mounted thereon by securing the roots thereof to the upper and lower sides of said shell, whereby the interior of the shell is not obstructed by said roots.

1,516,296. ROTARY PAIR FURNACE FOR SHEET MILLS. HARRY W. IRWIN, Canton, Ohio. Filed June 23, 1923. Serial No. 647,228. 1 Claim. (Cl. 263—35.)



A pair bar heating furnace having a heating chamber, a rotatable hearth therein, the hearth having spaced parallel grooves in its surface across which the pair bars are adapted to be laid.

1,516,297. SURGICAL INSTRUMENT. ALPHONSO ISOM and WILLIAM A. BRIDWELL, Dumas, Ark. Filed Feb. 1, 1923. Serial No. 616,340. 3 Claims. (Cl. 128—321.)

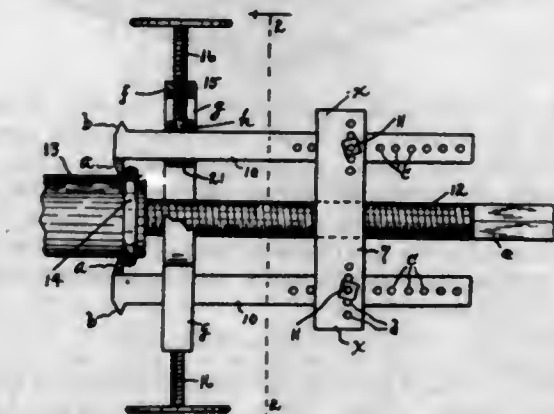
1. A surgical instrument comprising a pair of pivotally connected handles, each handle having at one end a rearwardly, laterally and downwardly extending hook ter-

minating in a forwardly extending pointed bill, and having on its opposite side a laterally, forwardly and downwardly extending hook terminating in a rearwardly ex-



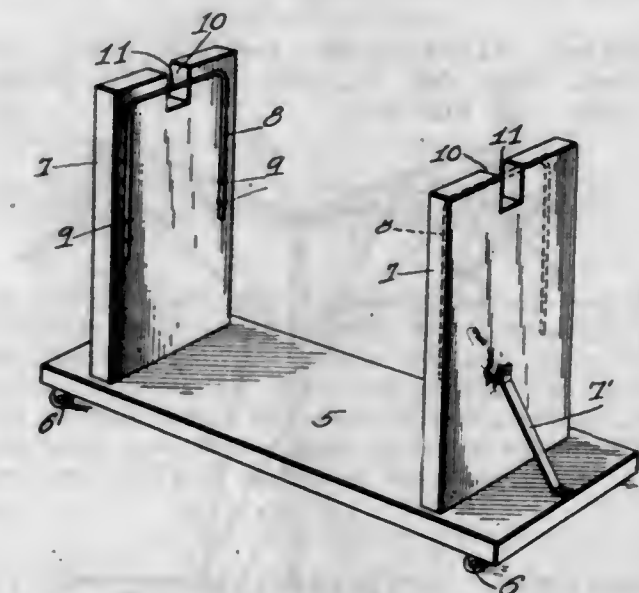
tending pointed bill, the hooks of one handle member being oppositely arranged with respect to the hooks of the other.

1,516,298. PULLER DEVICE FOR BEARINGS. CHRISTIAN IVERSON, Weston, Iowa. Filed Aug. 27, 1923. Serial No. 659,508. 3 Claims. (Cl. 29—85.)



1. In a puller device for bearings, a supporting block having a threaded aperture, pull-bars having opposed projections at one of their ends and pivotally mounted on said block, a rotatable screw in the threaded aperture of the supporting block, an elongated clamping-frame surrounding the screw and pull-bars and having approximately parallel guide-arms, clamping-members threaded in the ends of the frame, swivels on the clamping-members engaging the pull-bars and disposed between the guide-arms of said frame, said clamping-members being revoluble for moving the pull-bars transversely, the swivels moving slidably longitudinally of said guide-arms.

1,516,299. BAG HOLDER. EDWARD KIBLER, Marissa, Ill., assignor of one-half to John M. Ball, Washington, D. C. Filed May 3, 1924. Serial No. 710,820. 4 Claims. (Cl. 83—26.)



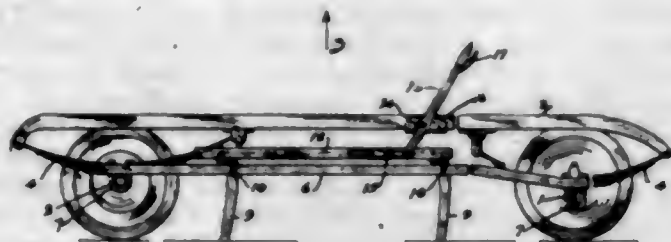
1. A bag holder comprising a base, spaced uprights carried by the base, and inverted approximately U-shaped resilient holders secured to the inner face of the uprights and tensioned to move toward them.

1,516,300. MECHANICAL TOY. ADAM KOPER, Wyoming, Pa. Filed Aug. 10, 1922. Serial No. 580,844. 4 Claims. (Cl. 46-27.)



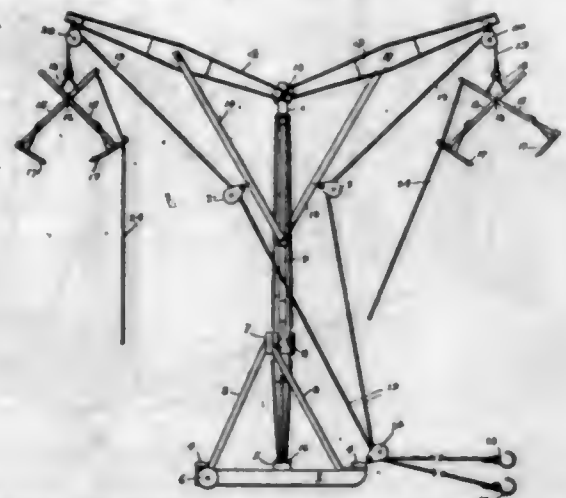
1. A toy carousel comprising a rotary platform, a number of figures mounted thereon, power mechanism for rotating the same, means providing a series of gear connections of different ratios adapted to selectively connect said power mechanism and rotary platform, and means actuated by said power mechanism for successively bringing said gear connections into operative engagement as the platform revolves.

1,516,301. BRAKE FOR AUTOMOBILES. SHICHIGORO KONO, Ogden, Utah. Filed Mar. 22, 1924. Serial No. 701,058. 1 Claim. (Cl. 188-0.)



An emergency brake mechanism adapted to be applied to an automobile, comprising a pair of spaced substantially parallel bars adapted to be secured to the axis of an automobile, each bar having two levers pivotally attached thereto at spaced points, said levers being bent at the pivot point, a framework secured to the upper bent ends of said levers whereby they may be moved about their pivots, and means comprising a lever for moving said levers and said framework.

1,516,302. HAYSTACKER. JOSEPH S. LEWIS, Anthon, Iowa. Filed Jan. 16, 1922. Serial No. 529,648. 1 Claim. (Cl. 212-50.)



A derrick comprising a base, a rotatable upright, oppositely-extending booms supported from the top thereof, the booms being positioned in planes spaced from each other on either side of the upright, pulleys on the

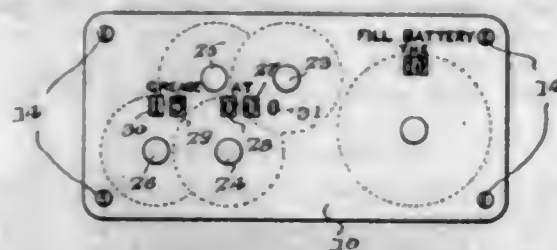
ends of the booms, cables extending over the pulleys, material carriers positioned on one end of each cable, second pulleys on the base spaced substantially from the upright, the cables being extended downwardly and around said second pulleys, the parts being so arranged that traction applied to the cable extending to the boom which extends away from the second pulleys will first cause the carrier to be drawn upwardly until it contacts with the pulley on the boom and will then cause the boom to rotate around to a position extending toward the second pulley.

1,516,303. REGULATOR HANDLE. ADAM F. LICKTEIG, New Haven, Conn., assignor to The English & Mersick Co., New Haven, Conn., a Corporation. Filed Feb. 1, 1924. Serial No. 680,887. 4 Claims. (Cl. 74-33.)



1. A regulator handle, comprising a cap struck up from sheet-metal, a brace located in the inner end of said cap and formed with an angular opening, a backplate closing the inner face of the handle-cap and provided with an opening in line with the opening in the brace, a collar around said opening, a bushing connected with said collar, and a handle mounted in the outer end of the handle-cap.

1,516,304. INDICATOR. JOHN D. MULVERHILL, Seattle, Wash. Filed May 12, 1924. Serial No. 712,890. 1 Claim. (Cl. 40-70.)

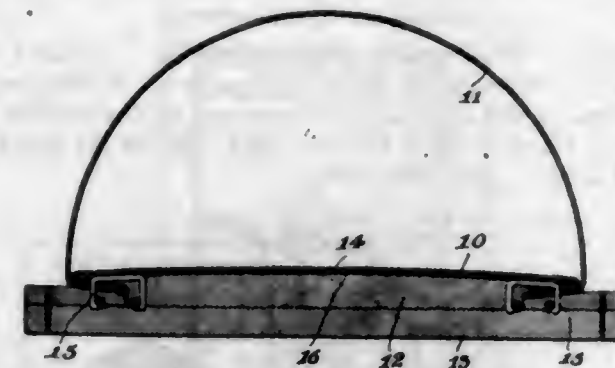


An indicator comprising, in combination, a plate, a marginal flange projecting rearwardly from said plate to provide a recessed back, a plurality of numeral disks housed in said recess, stub shafts mounting said disks upon said plate in overlapped relation, alternate disks being placed above and below the central line of said plate, windows substantially upon the horizontal central line of said plate for viewing the numerals upon said disk, said numerals being grouped in separated pairs, a fixed numeral borne by the face of said plate in alignment and grouping with the right-hand pair of windows and knobs borne by said stub shaft upon the front of said plate for independent manual control of said disk.

1,516,305. SHOE CONSTRUCTION. JOHN D. PAICE and WALTER HENRY DRAKE, Cleveland, Ohio. Filed Oct. 31, 1922. Serial No. 598,132. 11 Claims. (Cl. 36-43.)

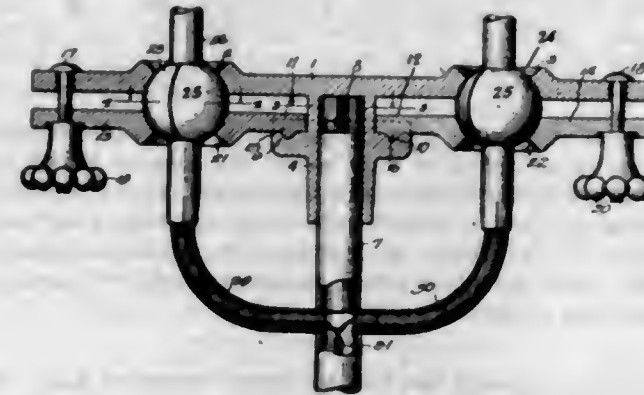
11. An inner sole construction for shoes, embodying an imperforate plate of rigid material attenuated to resiliency and presenting a uniform convexity transversely entirely across at the locus of the ball of the foot with a

transversely concaved portion at the locus of the heel connected by a cylindrical segment upwardly bowed, arched portion, a fabric covering for the plate having its



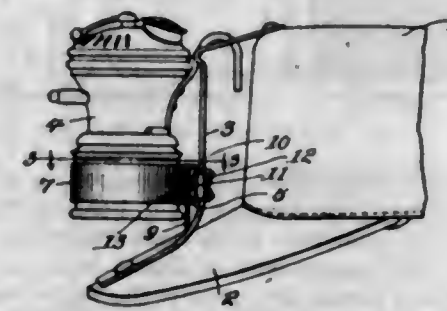
marginal edges turned under the plate, and means engaging the marginal edges for maintaining the plate in position.

1,516,306. LAMP BRACKET. WILLIAM ANDREW REHORN, Jr., New York, N. Y. Filed Sept. 26, 1923. Serial No. 664,955. Renewed Oct. 7, 1924. 2 Claims. (Cl. 240-85.)



1. A lamp supporting device, which comprises a fixed plate having a ball and socket aperture therein, a dependent tubular portion substantially centrally connected to said plate, said tubular portion provided with a flange having a groove on its upper surface, a pivoted plate having a rib centrally disposed on its under surface to lie in said groove, said pivoted plate having a ball and socket aperture therein, means for adjusting the ends of the two plates in proper relation to align the ball and socket apertures, a sectional ball lying between the plates in engagement with the apertures, and a lamp-supporting tubing embraced by the sectional ball.

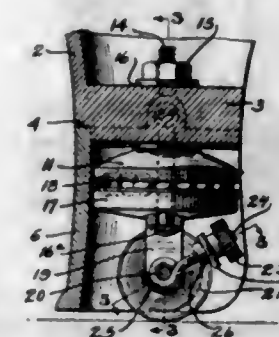
1,516,307. LAMP HOLDER. ERNEST EMIL REUTER, Staunton, Ill. Filed Mar. 6, 1924. Serial No. 607,313. 1 Claim. (Cl. 240-60.)



A lamp holder for use on miners' caps comprising a base plate having a hook at one end and a longitudinal slot in its opposite end, a clip disposed at the rear or inner side of said base plate, a screw shank carried by said clip and extending through and adjustable in said slot, a binding nut mounted on said shank and disposed in front of said base plate, a contractible ring affixed to the base plate and disposed in front of the same and hav-

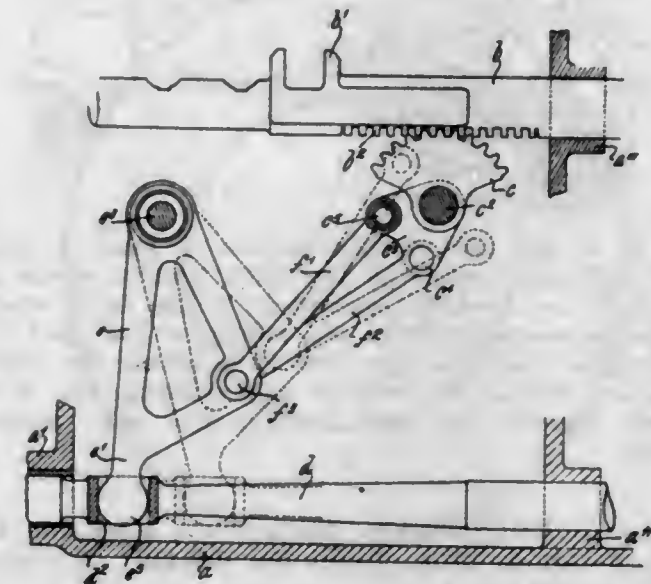
ing looped end portions, one of which is longitudinally slotted, a screw shank carried by the other end portion and extending through said slot, and a binding nut mounted on said screw shank and disposed at the outer side of and adapted to be set against the slotted end portion of the ring.

1,516,308. CASTER FOR STOVES, ETC. JAMES L. ROBERTSON, Oxford, Ohio. Filed May 17, 1923. Serial No. 639,584. 8 Claims. (Cl. 16-35.)



1. In combination with a rigidly mounted stove leg having at its lower end a bottom wall provided with a marginal groove with countersinks at intervals, a substantially U-shaped cover plate having its upper edge seated in the groove and provided with apertured ears fitted in the countersinks, screws passing through the apertures of the ears for holding the cover plate to the leg, and a caster arranged within the cover plate connected to said bottom wall.

1,516,309. CHANGE-SPEED-GEAR MECHANISM FOR MECHANICALLY-PROPELLED VEHICLES. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England. Filed May 14, 1924. Serial No. 713,282. 4 Claims. (Cl. 74-39.)

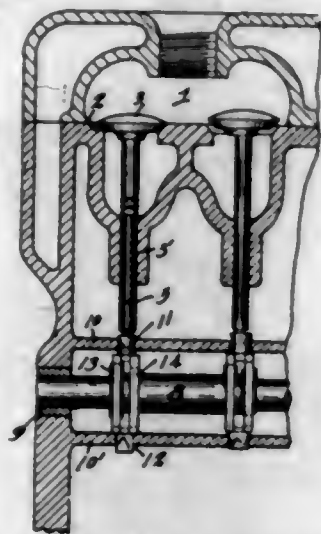


1. In change speed gear mechanism having two axially movable gears on two shafts, the combination of a main slider, a shifting member for each gear, and connections between the slider and gear-shifting members for moving one or the other of said members and its associated gear in the same direction according to whether said slider is moved in one direction or the other.

1,516,310. VALVE-OPERATING MECHANISM. THOMAS R. RYAN, Hillyard, Wash. Filed Jan. 11, 1924. Serial No. 685,697. 1 Claim. (Cl. 123-90.)

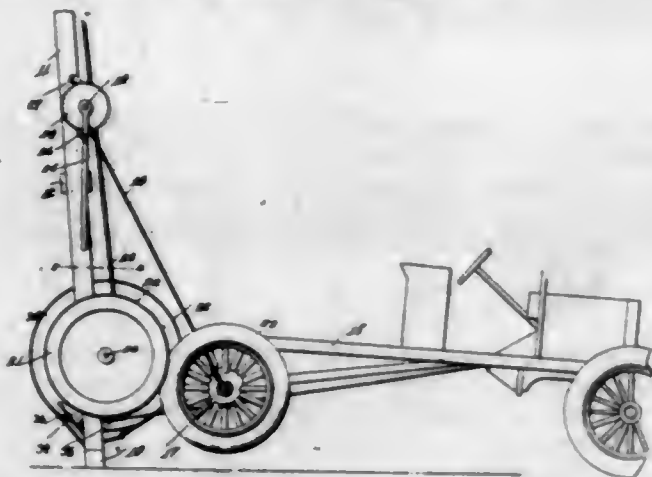
The combination with a valve having a tubular stem, of a push rod therein and a spring interposed between said stem and rod, of a cam shaft below the valve

having a pair of complementary cams thereon, a yoke loosely straddling the shaft and a guide boss thereon fixed to said rod, an aligned guide boss on the lower



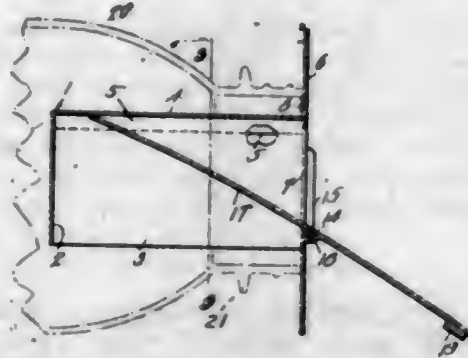
end of the yoke and a fixed support having guide openings for said bosses, and a pair of cam members on the yoke for co-action with the cams on said shaft.

1,516,311. ROD AND TUBE FRICTION PULLING MACHINE. WILLIAM G. SCHROEDER and CLYDE I. LATON, Dewey, Okla. Filed Sept. 27, 1923. Serial No. 665,253. 3 Claims. (Cl. 254-144.)



1. In a well tube pulling machine, a mast, a drive shaft and brake means on the shaft, friction wheels on the shaft for operative engagement by the drive wheels of an automotive vehicle, and means on the mast for engagement with the rear axle of a vehicle for simultaneously lifting the vehicle and drawing the drive wheels thereof into firm contact with said friction wheels.

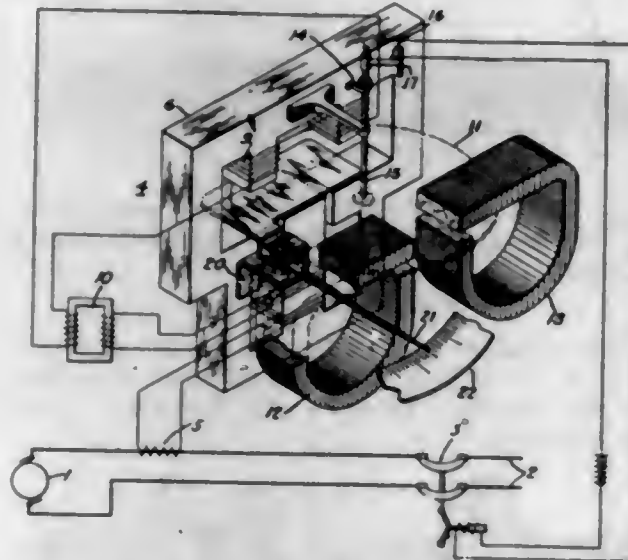
1,516,312. MOUSETRAP. EMIL SCOTT, Ellsworth, Ill. Filed Apr. 5, 1923. Serial No. 630,110. 2 Claims. (Cl. 43-69.)



1. A trap comprising a casing, including a front plate, attaching elements extending rearwardly from the front plate and detachably mounted thereon, a shaft mounted

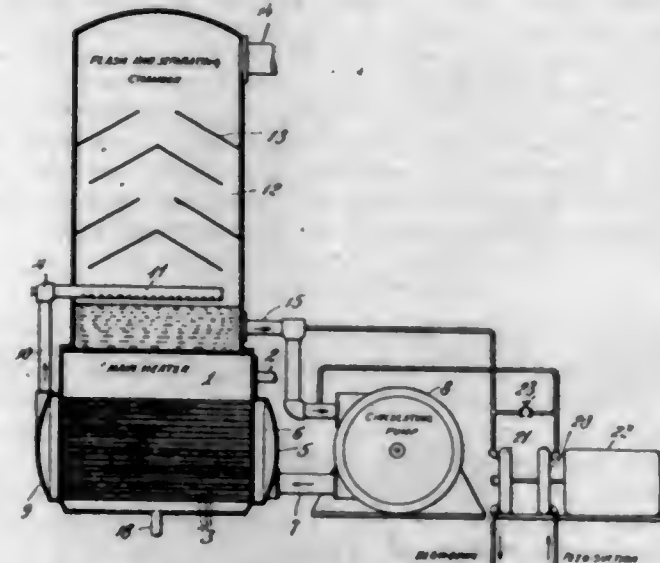
on the front plate and having means for engaging the attaching elements to hold them in place on the front plate and a platform tiltably mounted on the shaft.

1,516,313. INDICATOR FOR RELAYS. HUDSON R. SEARING, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 26, 1921. Serial No. 448,184. 25 Claims. (Cl. 200-103.)



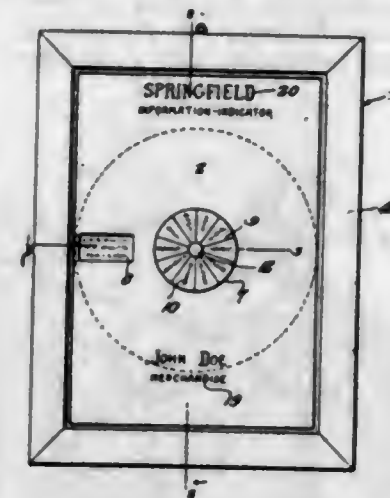
1. In a relay, the combination with a movable element adapted to be actuated only when the current traversing the relay exceeds a predetermined value, of an auxiliary movable element actuated under all conditions of energization of the relay to indicate the normal operation thereof, said elements being electromagnetically and independently actuable.

1,516,314. FLASH EVAPORATOR. LESLIE EARL SEBALD, New York, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 27, 1921. Serial No. 440,327. 3 Claims. (Cl. 203-5.)



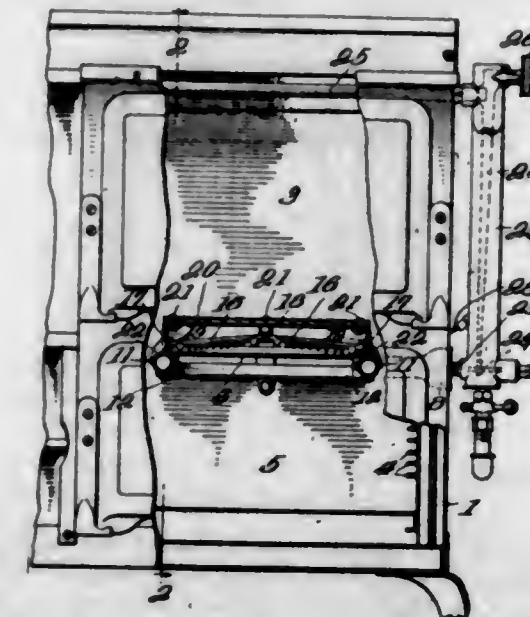
2. In a flash evaporator, the combination of a heating chamber to receive the heating fluid, heating tubes extending across said chamber, a separate vaporizing chamber, connections for the passage of liquid from said tubes to said chamber, a pump for forcing the liquid to be evaporated through said tubes and into said vaporizing chamber, a return connection from said vaporizing chamber to the suction side of the said pump, and means for automatically pumping into said circuit a definite quantity of liquid to be evaporated and pumping out of said circuit a smaller quantity of liquid, the quantity of discharge being definitely proportioned to the feed to determine the desired concentration of the evaporated liquid.

1,516,315. STATION AND INFORMATION INDICATOR. PETER A. SKELLY, Springfield, Mass. Filed Jan. 31, 1924. Serial No. 689,722. 4 Claims. (Cl. 40-70.)



1. A station and information indicator comprising front and rear sections including a compartment therebetween, front and rear disks, the front disk having names of various stations and towns, the rear disk having segments of information opposite those on the front disk and pertaining thereto, the front section having an opening, and means for rotating the two disks whereby the information on the rear disk may appear through the opening.

1,516,316. GAS RANGE AND BURNER THEREFOR. ARTHUR STOCKSTROM, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Nov. 5, 1923. Serial No. 672,920. 8 Claims. (Cl. 126-39.)

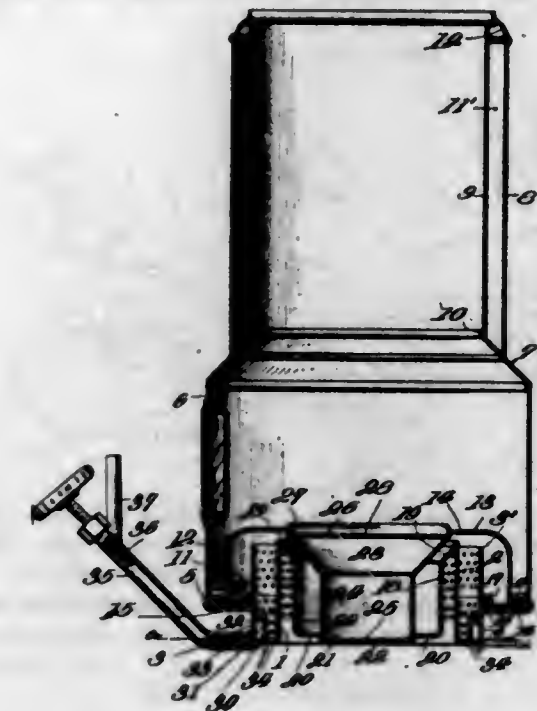


1. A gas range comprising an oven having a supported burner located therein, a radiant above and supported to be removable independent of the said burner, the radiant having a baffle plate immediately thereabove and of considerably less horizontal area than the horizontal area of the oven, for the purpose described.

1,516,317. WICKLESS OIL BURNER. ARTHUR STOCKSTROM, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 18, 1924. Serial No. 686,989. 19 Claims. (Cl. 158-87.)

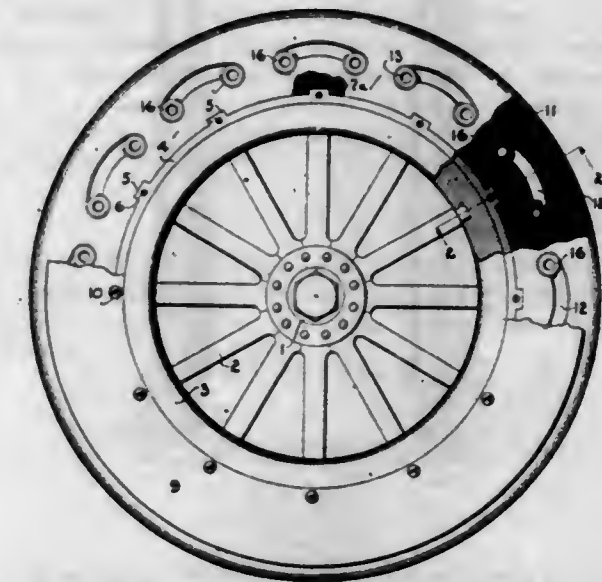
8. An oil burning wickless oil burner comprising a trough having short upwardly extending perforated walls, the outer wall divided horizontally and the lower end of the upper divided portion provided with an outwardly

extending flange, a long chimney having its lower end united to said flange, an air deflector located between the chimney and the outer perforated wall, the lower end of the air deflector connected to the horizontal



flange, whereby the removal of the chimney removes the upper divided part of the outer perforated wall and the said air deflector to permit access to the trough for lighting purposes.

1,516,318. RESILIENT VEHICLE TIRE. GIDEON S. ADAMS, Palermo, N. J. Filed June 30, 1921. Serial No. 481,726. 1 Claim. (Cl. 152-8.)

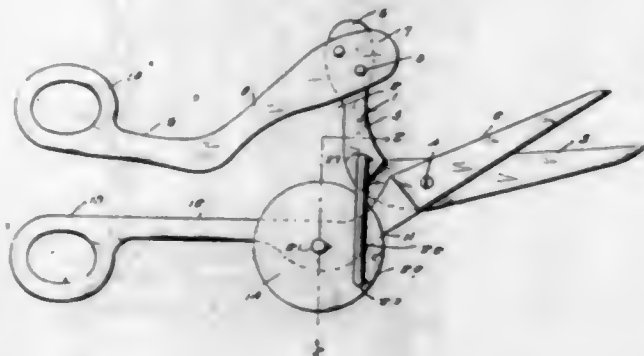


The combination of a substantially solid elastic tire having a circular series of curved longitudinal slots spaced apart at their ends, with leaf spring reinforcements therein, having each end terminating in a coil, and a tubular member of elastic material in each coil constituting a collapse-resistant reinforcement for the coil.

1,516,319. SCISSORS. WALTER C. AMY, Pilgrims Rest, Transvaal, South Africa. Filed Mar. 23, 1920. Serial No. 368,053. Renewed Apr. 19, 1924. 3 Claims. (Cl. 30-13.)

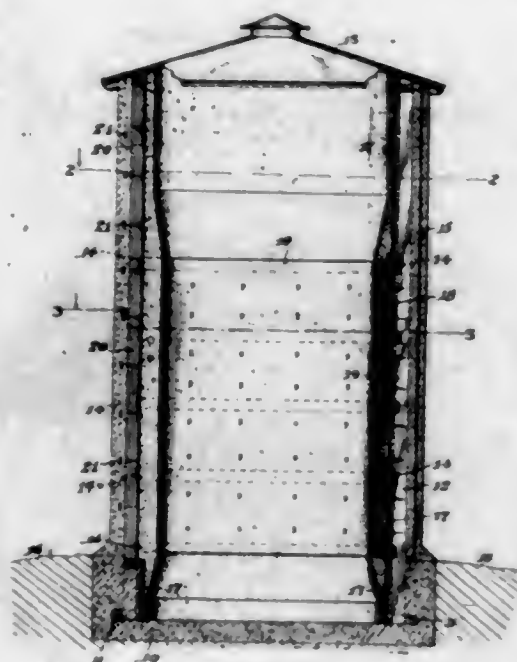
1. Shears having relatively movable blades, a traction member disposed at one side thereof, a pitman for disposition at the side of said member opposite to said blades, said pitman having laterally extending portions

differing in length, each of said portions having studs, the stud of one of said portions pivotally extending through said traction member, the stud of the other portion pivotally extending through one of said blades, shoulders at the junction of said studs with said por-



tions to abut one side of said traction member and adjacent blade, nuts on said studs engaging the opposite sides of said traction member and blades, and the longer of said portions extending across the marginal edge of said traction member.

1,516,320. SILO CONSTRUCTION. ADOLPH I. ANDERSON, Zumbrota, Minn. Filed Feb. 18, 1924. Serial No. 693,619. 3 Claims. (Cl. 72-6.)

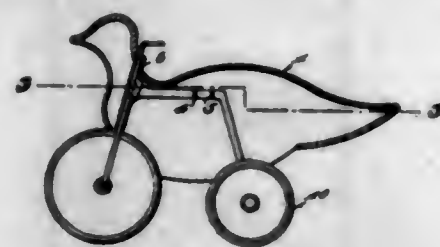


1. A structure of the class described comprising a base, a plurality of supporting posts rising from said base in spaced relation, a strip of foraminous material bent into U-shape transversely and attached to each post and extending outwardly, cementitious material disposed within the areas defined by the strips, an inner wall element bearing against the inner faces of the posts, and a layer of cementitious material bearing upon the outer face of the wall element and of the U-shaped strips and forming outwardly directed pilaster like members externally of the structure.

1,516,321. CHILD'S VEHICLE. MARJORIE B. ARMISTEAD, Colorado Springs, Colo. Filed Sept. 3, 1922. Serial No. 586,941. 1 Claim. (Cl. 208-165.)

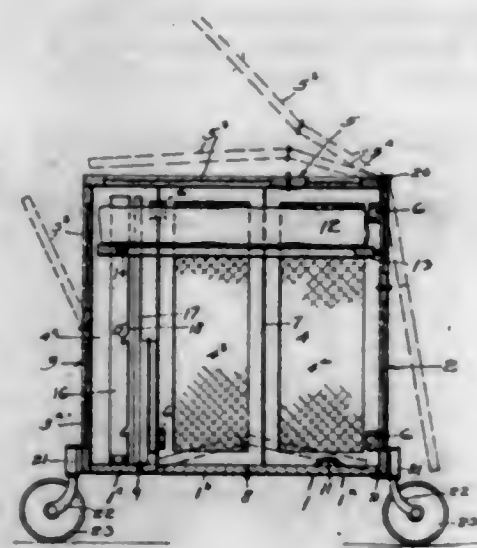
A toy of the class described comprising a child's velocipede of ordinary construction equipped with a seat in the form of a hollow metal bird or the like opened at

the bottom and straddling the frame and upper portions of the wheels with the sides of said bird flared to form a saddle-like structure adapted to be secured to the frame of the velocipede, the body of the bird having an opening adjacent the head for the passage of the steering post of the velocipede, and a plurality of attaching



rods extending transversely through the body of the bird and through the frame of the velocipede, said rods extending in a plane substantially at right angles to the steering post whereby the bird is secured to the velocipede securely and with a minimum number of attaching elements.

1,516,322. BABY TENDER. ALDEN C. BEAUCOUDRAY, New Orleans, La. Filed June 20, 1923. Serial No. 646,604. 2 Claims. (Cl. 5-99.)

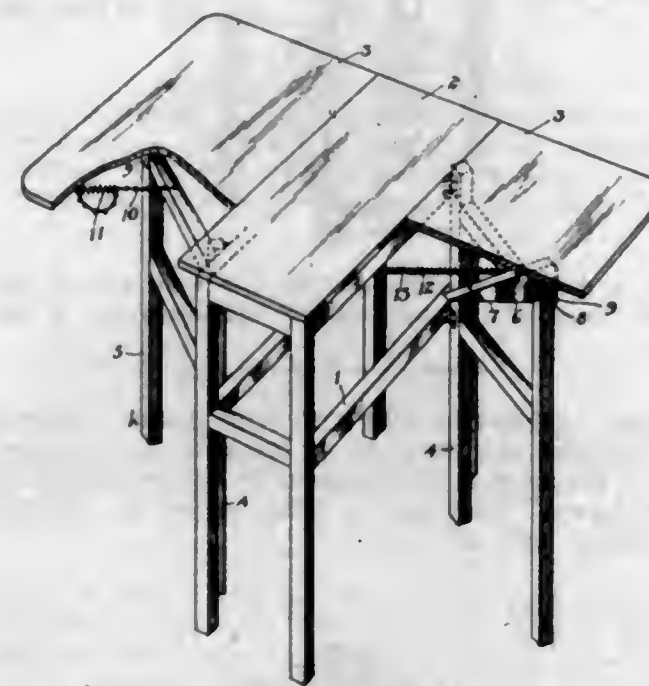


1. A device for the purpose indicated having front and rear walls, and end walls comprising foldably connected sections and a fixed section with which one of the foldably connected sections is hingedly connected, the other of the foldably connected sections being hingedly connected with the rear wall, a bottom comprising foldably connected sections and a fixed section with which one of the foldably connected sections is hingedly connected, a mattress frame, guides carried by the fixed panels of the end walls and having spaced seats, pins carried by the mattress frame movable in the guides and selectively engageable in said seats, and latch members carried by the mattress frame and engageable with sockets in the rear wall disposed in planes corresponding with said seats.

1,516,323. FALL-LEAF TABLE. GEORGE E. BILTON, Toronto, Ontario, Canada. Filed Dec. 18, 1922. Serial No. 607,635. 2 Claims. (Cl. 45-116.)

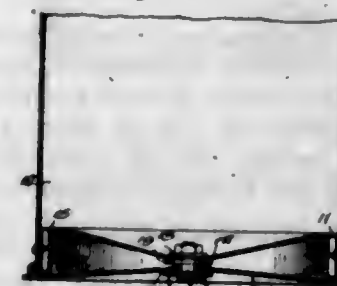
1. A fall leaf table, comprising, a frame, a leg shorter than the frame and hinged to the side thereof to swing

in a vertical plane and resting on the floor, a leaf hinged to the table top, and a bevelled bracket secured to the underside of the table top to engage the outer end of



the leg, said bracket having a portion parallel with and spaced from the table top to rest upon the top of the leg when said leg is in its extended position.

1,516,324. RECEPTACLE ATTACHMENT. THEODORE BOODE, Niagara Falls, N. Y. Filed Oct. 6, 1923. Serial No. 667,026. 6 Claims. (Cl. 220-69.)

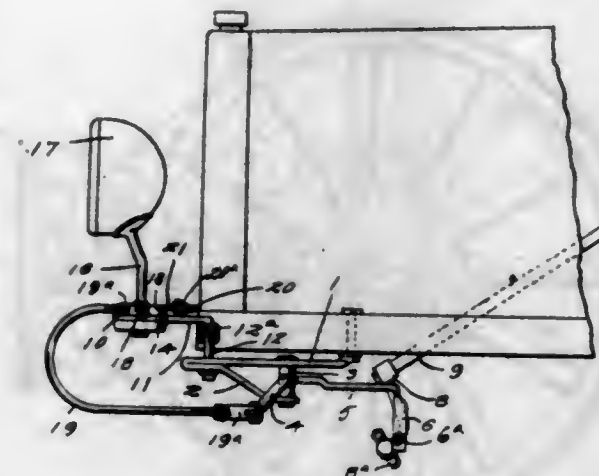


1. The combination with a cylindrical receptacle, of means rotatably connected with the bottom thereof and disposed in a plane at substantially a right angle to the longitudinal axis of the receptacle whereby upon movement of the same over its supporting surface in a tilted position, the said means will separate the receptacle from the ground and will have respectively a rolling contact with the ground and a sliding contact with the bottom of said receptacle.

1,516,325. DIRIGIBLE HEADLIGHT. CARL F. BOHNE and DONALD R. BENTZ, Norfolk, Nebr. Filed Mar. 8, 1923. Serial No. 623,744. 1 Claim. (Cl. 240-62.)

In a dirigible headlight, an arm attachable at one end to a vehicle, a stay extending from the other end of said arm downwardly and rearwardly, a post pivotally connected to said stay and to the arm above it, means extending from the post for connection to the steering mechanism of a vehicle, an arm extending outwardly from the post, a bearing, a lamp standard journaled in said bearing, said bearing having a rearwardly and downwardly extending arm passing through the first mentioned arm and stay, cups associated with

said bearing, antifriction members associated with the bearing and cups, said lamp standard being rigidly connected with said cups, an outwardly extending element



on one of said cups, and a link pivotally connected to said outwardly extending member and to the second mentioned arm.

1,516,326. MANUFACTURE OF ELECTROLYTIC IRON. AUGUSTE BOUCHAYER, Grenoble, France, assignor, by mesne assignments, to Electrolytic Iron, Inc., Dover, Del., a Corporation of Delaware. Filed Oct. 12, 1921. Serial No. 507,352. 7 Claims. (Cl. 204-1.)

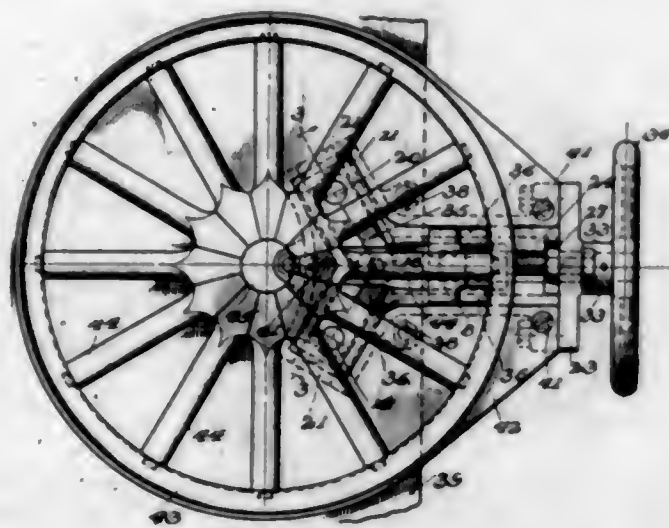
1. To rotate the cathode at a tangential speed which varies according to the density of the current. When operating under very low amperages, it is possible to rotate the electrode very slowly or even not at all; but with high current densities, it is necessary to increase the speed; the more the amperage increases the faster it is necessary to turn the cathode, without, however, exceeding a practical speed in order to avoid complications of apparatus, the inconveniences of centrifugal force, etc. By way of example, it may be stated that at 800 amperes per square meter the advisable tangential speed is 120 meters per minute.

1,516,327. PISTON RING. JOHN E. BROWNFIELD, Denver, Colo., assignor of one-half to John C. Jones, Denver, Colo. Filed Apr. 5, 1924. Serial No. 704,413. 3 Claims. (Cl. 74-109.)



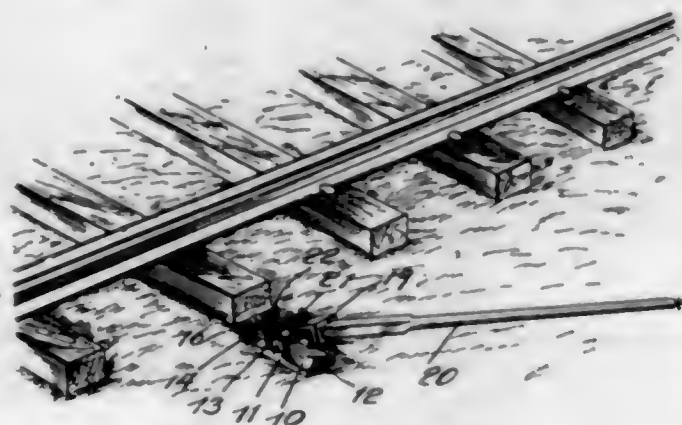
1. In combination, a cylinder having a piston ring groove of substantially rectangular cross-section, a ring-shaped spring member in said groove, said member having a substantially V-shaped cross-section, and a ring in said groove, said ring having one-half of its inner surface offset from the other half thereof, whereby space is provided for the spring member.

1,516,328. MACHINE FOR ASSEMBLING SPOKES IN WHEELS. JAMES E. BROXON, Akron, Ohio. Filed Oct. 11, 1922. Serial No. 593,792. 7 Claims. (Cl. 157-1.)



1. A machine for use in assembling spokes in wheels comprising means for supporting a wheel, and means reacting against said supporting means for imposing lateral pressure upon spaced spokes of the wheel and radial pressure upon the felloe of the wheel, as and for the purpose set forth.

1,516,329. CROSSTIE NIPPER. JUNIUS E. BUSBY, Hazard, Ky. Filed Aug. 4, 1923. Serial No. 655,635. 3 Claims. (Cl. 254-121.)

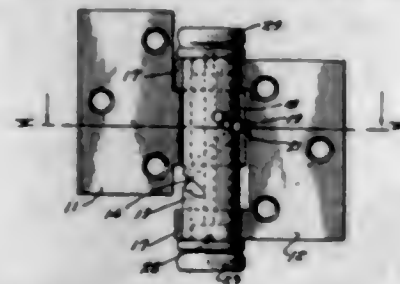


3. A device of the character described comprising a base provided with upstanding ears, an angular member having ears at the sides thereof pivotally connected with said first named ears, said member terminating at one end in a nose piece and having its other end formed with an extension having an opening therein, and means for attachment of a pry bar to said angular member whereby the pry bar will serve as a handle, the pry bar being insertible through said opening in the extension, a U-bolt extending through said angular member and adapted to receive the end of the pry bar, and nuts on said U-bolt for clamping the same onto the pry bar to prevent disengagement of the latter.

1,516,330. HINGE. CHARLES S. BUTTERFIELD, San Francisco, Calif. Filed July 21, 1923. Serial No. 652,958. 2 Claims. (Cl. 16-154.)

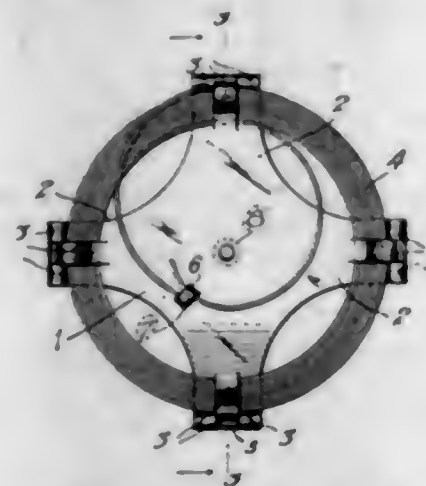
2. In a hinge, a hollow pin having a spiral groove in its outer face, a hinge member supporting the pin, a second hinge member pivoted to the pin and a ball slidable in the groove engaging a recess in the second hinge member for imparting spiral motion to the latter, the

spiral groove terminating in a hole in the wall of the pin allowing of the insertion of the ball while the hinge is assembled and means being provided for locking the



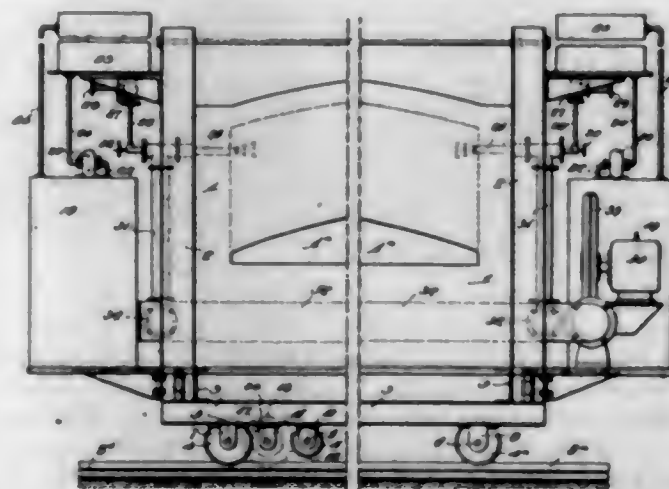
pin in a definite position placing the hole out of the normal range of the ball during the operation of the hinge.

1,516,331. HOLDING DEVICE FOR COILS. JOSEPH C. CATLETT and EDWARD F. NELSON, East Orange, N. J., assignors to I. R. Nelson Co., a Corporation of New Jersey. Filed Aug. 4, 1923. Serial No. 655,650. 7 Claims. (Cl. 242-129.)



1. A device of the character described including a body portion having a plurality of series of resilient fingers thereon, each of said series including a plurality of opposed fingers to receive a coil of wire or the like between them and permit said wire or the like to be unwound from said coil without bodily removing said coil.

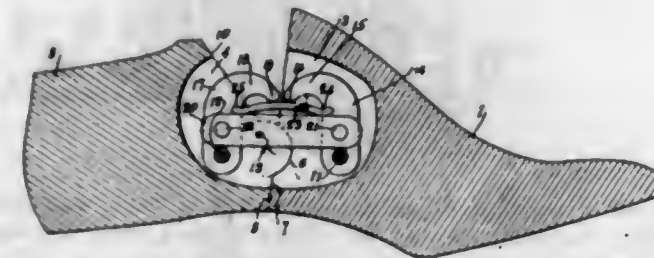
1,516,332. LIQUID-FUEL FURNACE. DOUGLAS WHIMSTER CHISHOLM, Garthkirk, Scotland. Filed Feb. 20, 1924. Serial No. 694,110. 1 Claim. (Cl. 158-4.)



A traveling liquid fuel furnace comprising in combination a car structure, an oven having doors at each end thereof carried on said car structure, an extended platform on opposite sides of said car structure, a liquid fuel reservoir on each of said platforms, an auxiliary reservoir located over each of said aforementioned reservoirs, independent means for delivering liquid fuel from

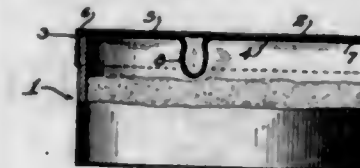
each of said aforementioned reservoirs to said auxiliary reservoirs, liquid fuel burners projecting into opposite sides of said oven and fed from each of said auxiliary reservoirs whereby material placed in said oven may be subjected to uniform temperature heat treatment from each side of said oven.

1,516,333. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 28, 1924. Serial No. 709,474. 9 Claims. (Cl. 12-136.)



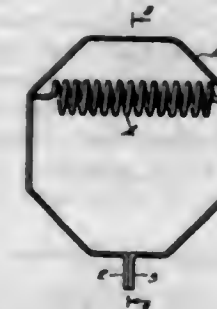
1. In a last, a fore part and a heel part adapted to rock upon one another from collapsed to expanded position and vice versa, a transverse pin in either part, vertical members pivoted thereon, a link pivotally connecting said members, and yielding means engaging with said members, to resist the movements of the last parts.

1,516,334. ATTACHMENT FOR CAN COVERS. GEORGE A. CLEMENT, Durand, Ill. Filed June 9, 1923. Serial No. 644,484. 7 Claims. (Cl. 220-85.)



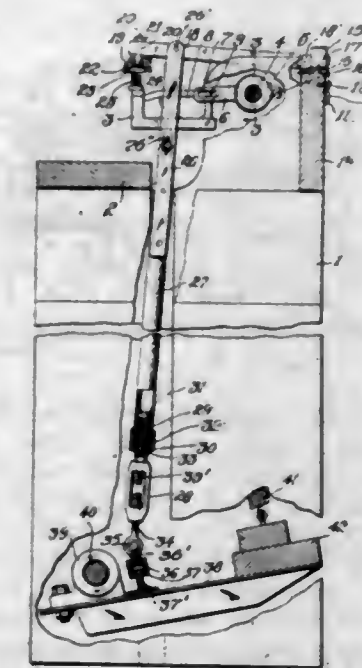
1. A fork or spoon having at an intermediate point of its length an offset spring loop depending from one side thereof to form a combined handle and compressible means for attaching or detaching the article from a holding element.

1,516,335. CARRIAGE COVER HOLDER. IRWIN E. COHN, New York, N. Y., assignor to Henrietta Cohn, New York, N. Y. Filed June 21, 1924. Serial No. 721,517. 1 Claim. (Cl. 24-255.)



A carriage blanket holder comprising a substantially curved strip of flexible material having abutting free ends which naturally abut each other due to the resiliency of the material when the holder is not in use, and a spring which is connected at its opposite ends to opposite sides of the strip at a point substantially distant from the free ends so as to tend to hold the ends together and yet not be in the way of the material which is to be gripped by the holder.

1,516,336. STAPLING MACHINE. JOHN B. CROFOOT, Chicago, Ill. Filed May 18, 1923. Serial No. 639,939. 5 Claims. (Cl. 1-2.)

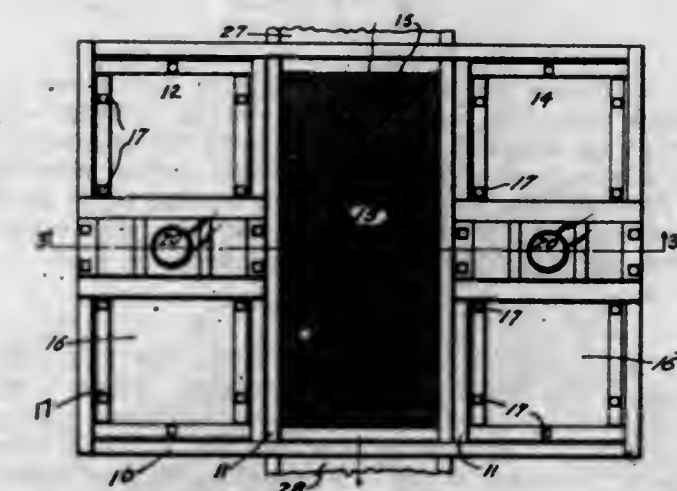


3. A stapling organization comprising a frame, a shaft extending longitudinally of the frame and fixed relative thereto, arms extending from and fixed to said shaft, stapling units pivoted to the arms, a foot pedal, bifurcated rods extending upwardly from the pedal to and above the stapling units and embracing the units in the bifurcations, abutments spanning the bifurcations of the rods and positioned to lift the units upon their pivots against gravity, and hammers carried by the rods adapted to actuate the units upon the depression of the pedal.

1,516,337. PURIFYING LIQUIDS. ALEXANDER CHARLES CUMMING, Liverpool, England. Filed Sept. 29, 1922. Serial No. 591,419. 6 Claims. (Cl. 252-3.)

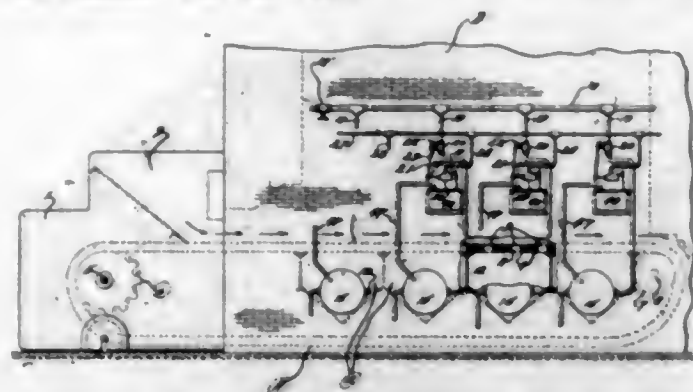
1. The process of purifying liquids which comprises treating them with gas black which is substantially free from oil.

1,516,338. JIG. ARTHUR C. DAMAN, Denver, Colo. Filed July 22, 1922. Serial No. 576,808. 2 Claims. (Cl. 83-79.)



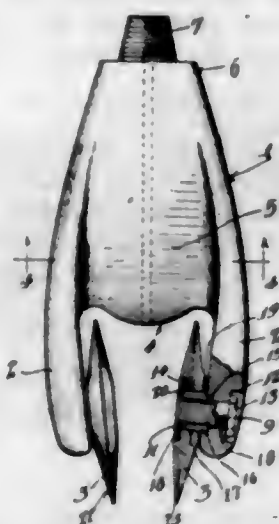
1. In a jig the combination of, a hydraulic pulsator; a solenoid mounted above said pulsator; a magnetic core arranged to reciprocate within said solenoid; coacting springs holding said core in elastic suspension within said solenoid and means for conveying the movements of said core to said pulsator.

1,516,339. FURNACE AND METHOD OF CONTROLLING THE DRAFT THEREIN. WILLIAM M. DUNCAN, Alton, Ill. Filed June 13, 1921. Serial No. 477,055. 10 Claims. (Cl. 110—69.)



1. The method of transmitting and controlling draft in a travelling bed of fuel so as to reduce the flow of draft through an opening in the fuel, said method consisting in transmitting draft from separate sources and through successive portions of the travelling bed of fuel, utilizing the draft pressures at said separate portions of said fuel bed to successively reduce the flow of draft from said different sources, so as to maintain a reduced draft pressure below said opening, and at the same time maintaining a higher draft pressure below other portions of the travelling fuel bed.

1,516,340. ROTARY DRILLING BIT. HALL H. HOLDWAY and ROBERT H. CHALLACOMBE, Los Angeles, Calif., assignors to Petroleum Engineering Corporation, a Corporation of California. Filed Apr. 18, 1923. Serial No. 632,828. 14 Claims. (Cl. 253—71.)

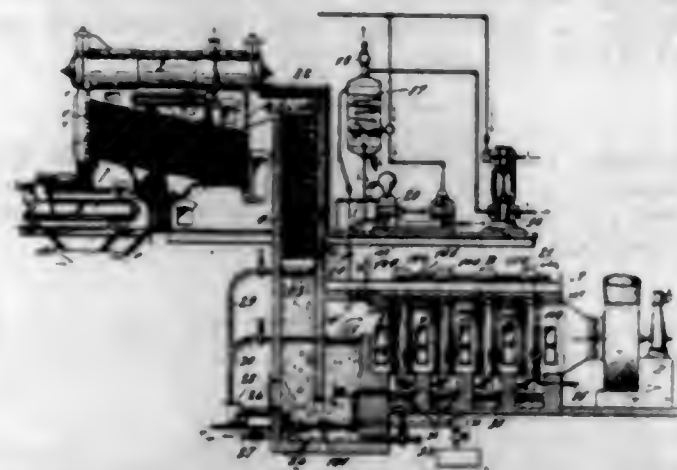


1. A drilling bit having a body with bowed legs extending below the body, said body having a wedge edge between the legs and having a relatively flat stream-lined paddle shape above the edge, and disc cutters mounted on the legs with the plane of their cutting edges at an angle with the drilling axis of the bit, said cutters having both surfaces substantially convex in form.

1,516,341. METHOD OF AND APPARATUS FOR PROTECTING BOILER ECONOMIZERS FROM EXTERIOR CORROSION. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed July 13, 1918. Serial No. 244,685. Renewed Apr. 12, 1924. 10 Claims. (Cl. 122—379.)

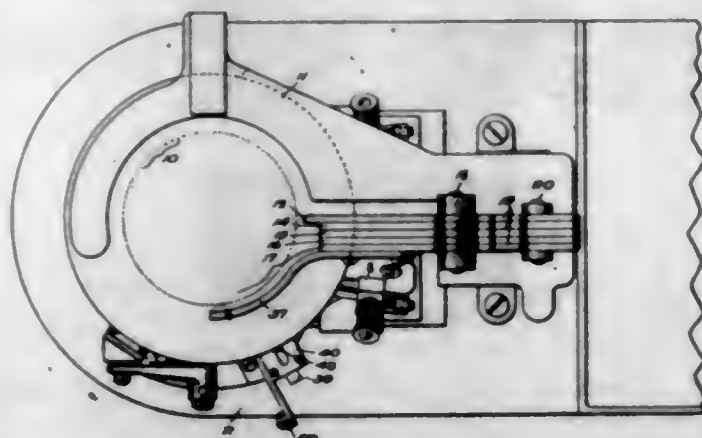
1. The method of protecting the exterior of a boiler economizer from corrosion, which consists in passing hot gases over the exterior of the economizer and water through the interior thereof and applying a fluid-protective material to the exterior of the economizer while the gases and water are flowing.

10. The combination in a boiler having an economizer and means to spray the gases passing through said economizer, of means to apply protective material to the



tubes of a portion of said economizer, a tank and connections thereto, adapted to collect in said tank the surplus spraying and protective fluids, and means to collect and reclaim separately the fluids in said tank.

1,516,342. FEEDING MEANS FOR KNITTING MACHINES. FRANK E. JONES, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Aug. 1, 1922. Serial No. 378,874. 3 Claims. (Cl. 66—21.)

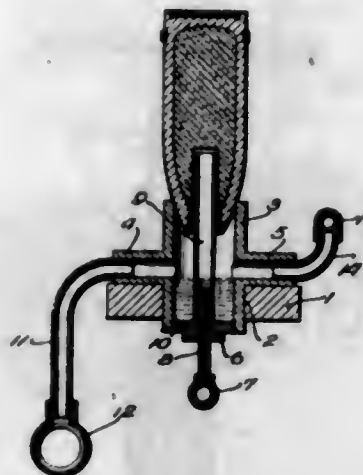


1. A circular, hosiery knitting machine comprising, in combination, a rotating needle cylinder, a circular series of needles carried thereby, substantially one half of them having short butts and substantially the remainder having long butts, a stationary cam ring having a main set of stitch cams, a series of pivoted main yarn guides for introducing the main yarns for the knitting of the stocking, a yarn guide pivoted co-axially with the other yarn guides but having a curved prolongation terminating at a point substantially remote from the main stitch cams, and a cam in substantially vertical alignment with the reinforcing yarn guide and positionable so as to act only upon the long butt needles, thereby to move them downward to escape taking the reinforcing yarn and permitting such yarn to be supplied only to the short butt needles and means to move said cam into different radial positions.

1,516,343. METHOD AND APPARATUS FOR UNLOADING HIGH-EXPLOSIVE SHELLS. THOMAS F. KNIGHT, Lyndhurst, N. J., assignor to Columbia Salvage Corporation, New York, N. Y., a Corporation of New York. Filed June 13, 1924. Serial No. 719,767. 9 Claims. (Cl. 86—1.)

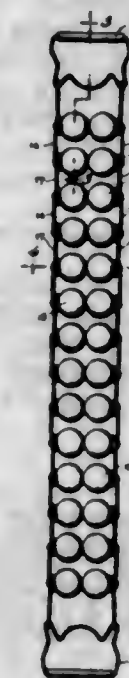
6. An apparatus for liquefying and removing a solidified charge from a shell, comprising a vertically disposed cylindrical casing, the lower end of said casing being closed and the upper end being open and adapted to support a shell in an upright position with its open tapered end fitting in

said opening and extending downwardly into the casing, a tubular spray nozzle adapted to extend upwardly from the lower closed end of the casing and into the lower open end of the shell, and a steam jet nozzle extending upwardly into the casing and into the lower end of the spray nozzle, said casing being adapted to contain liquid in its



lower end surrounding the steam jet nozzle and formed with a liquid supply opening and a drain opening, said drain opening being located above the upper end of the steam jet nozzle and the lower end of the spray nozzle being provided with apertures, whereby the steam jet nozzle is adapted to be submerged by liquid.

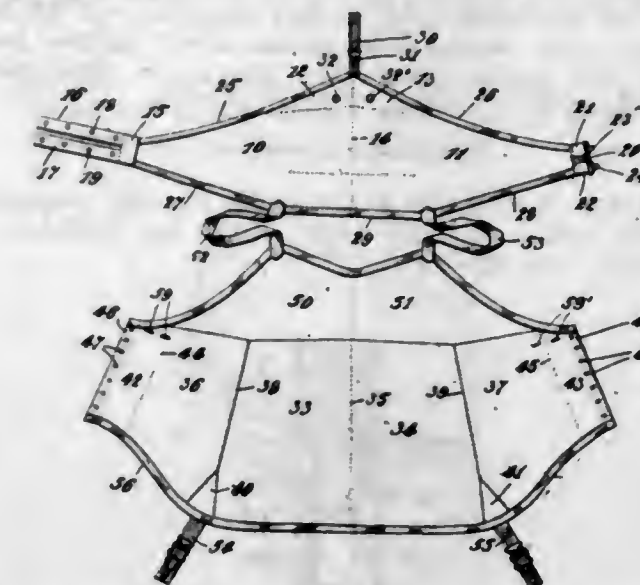
1,516,344. EXERCISER AND REDUCER. ETTA W. KNOWLES, New York, N. Y. Filed Mar. 7, 1924. Serial No. 697,432. 2 Claims. (Cl. 128—58.)



1. A massage or flesh kneading device comprising handle members at opposite ends thereof and an intermediate body portion therebetween, said intermediate body portion comprising a plurality of sections connected by pairs of oppositely positioned links, each pair of links being freely pivoted to opposite ends of adjacent sections and the sections each comprising spaced pivot pins connected at their opposite ends by links fixedly associated with the pins, and balls mounted for free rotation on the pins, the links connecting the sections being positioned outside of the links fixed to the pins and resting on a shoulder formed on said pins to relieve the links of frictional contact with each other.

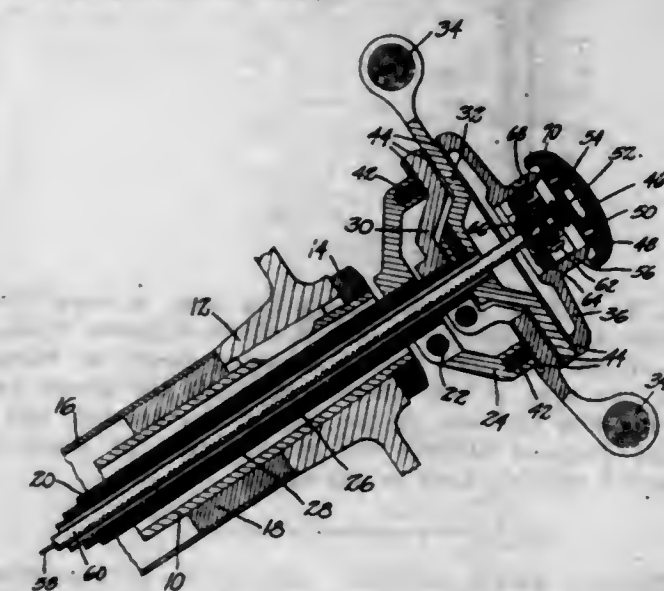
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1,516,345. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor, by mesne assignments, to Kops Brothers, New York, N. Y., a Copartnership. Filed Oct. 5, 1922. Serial No. 592,473. 3 Claims. (Cl. 2—42.)



1. An apparel garment adapted for use as a combined undervest, corset and brassiere and to completely cover the body from the busts to the thighs, comprising a bust member adapted to pass around the body and to be secured in position thereon, a hip, thigh and abdominal member also adapted to extend around the body, means for securing the hip, thigh and abdominal member in position at the front of the body, the upper front portions of the hip, thigh and abdominal member being adapted to overlap the lower front portions of the bust member, means attached to the lower front portions of the bust member on both sides of the front central line thereof for engaging the overlying front portions of the hip, thigh and abdominal member for maintaining these parts in position on the body, and a device connected to the lower edge of the bust member in a centrally disposed position for engaging the means for securing the hip, thigh and abdominal member on the body to also maintain the relative positions of the upper front portions of the hip, thigh and abdominal member and the underlying front portions of the bust member.

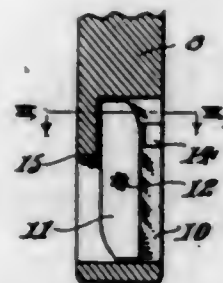
1,516,346. CONTROLLING MECHANISM. BENJAMIN L. LEMMER, Saginaw, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 24, 1923. Serial No. 670,478. 4 Claims. (Cl. 74—39.)



1. A steering column comprising, in combination, a manually rotatable steering tube, a pair of independently rotatable concentric tubes nested inside of the steering

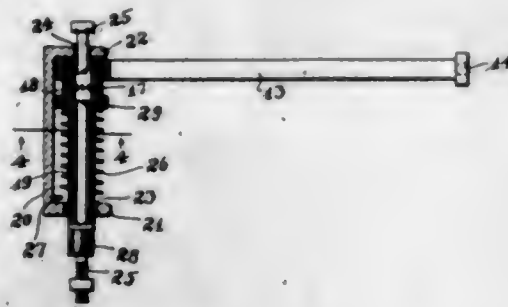
tube and one of which is nested inside of the other, a throttle controlling disk secured to the top of one of said tubes, a spark controlling disk secured to the top of the other of said tubes, said disks frictionally engaging one another, stationary supports on opposite sides of the disks, and springs engaging one of the supports and urging both of the disks against each other and against the other support to hold them frictionally in any desired angular position.

1,516,347. COUPLING PIN. ANTON PATAKY, Conneaut, Ohio. Filed Aug. 30, 1923. Serial No. 660,164. 1 Claim. (Cl. 85-3.)



In a coupling pin having a housing formed in one end thereof, a locking pin pivotally mounted in said housing and adapted to be positioned therewithin when in an inoperative position and to extend at right angles to the axis of said coupling pin when in an operative position, a wedge-shaped lug positioned within said housing for preventing said locking pin from being accidentally pivotally moved into its operative position after having been pivotally moved into its inoperative position, said locking pin having a depression formed in one side thereof adapted to register with said lug for permitting said locking pin to be free to move partially out of its inoperative position within said housing whereby it may be grasped and forced to pivot into its operative position.

1,516,348. DOOR CONTROL. THOMAS E. POTTS, Los Angeles, Calif. Filed July 9, 1923. Serial No. 650,393. 8 Claims. (Cl. 126-191.)

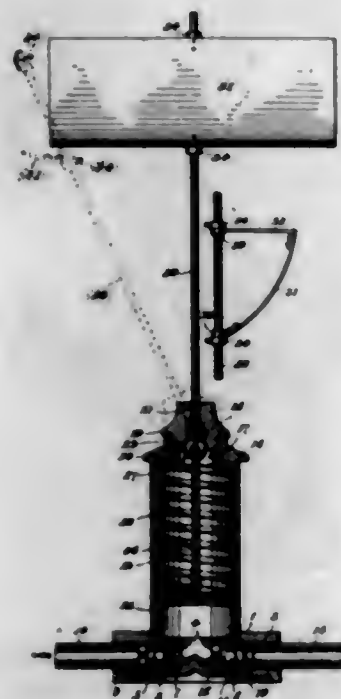


1. In a door control, a bracing arm, a supporting bracket having apertured lugs, a sleeve disposed through one of the lugs and having engaging means to engage with the arm, a bolt disposed through the sleeve and bracing arm and one of the lugs of the bracket, and a spring disposed between the bracket and the sleeve to impart a turning force to the sleeve.

1,516,349. WAVE MOTOR. ARTHUR E. RITTENHOUSE, Honeoye Falls, N. Y. Filed Mar. 6, 1924. Serial No. 697,240. 4 Claims. (Cl. 103-69.)

1. In a wave motor, a pump cylinder, valve-controlled inlet and outlet ports at the lower end of the cylinder,

a reciprocating piston in the cylinder, a rocking block at the head of the cylinder, a piston rod extending from the piston to the block, a rod attached to the



piston rod and block, wave-operated means upon the upper end of said rod and a coil spring interposed between the piston and cylinder head.

1,516,350. METHOD OF CHLORINATING ACETYLENE. KOLOMAN ROKA, Constance, Germany, assignor to the Firm of Holzverkohlungs-Industrie Aktiengesellschaft, Constance, Badenia, Germany, a Corporation of Germany. Filed Sept. 1, 1922. Serial No. 585,806. 4 Claims. (Cl. 260-166.)

1. The improved method of chlorinating acetylene which consists in bringing chlorine and acetylene to reaction in the presence of catalyzers with the aid of steam as diluting means at a temperature between 400° C. and 250° C.

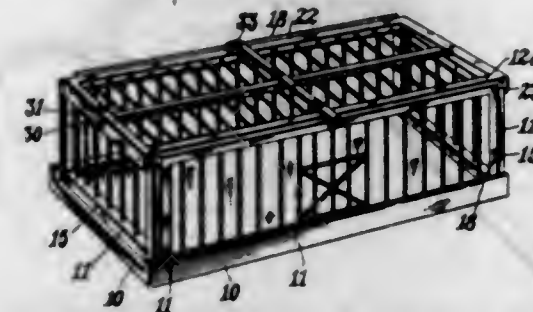
1,516,351. COMBINATION SCREW DIE AND COLLET. MICHAEL I. SEILER, Millersburg, Pa., assignor to Keystone Reamer & Tool Co., Millersburg, Pa., a Corporation of Pennsylvania. Filed Aug. 2, 1921. Serial No. 489,316. 1 Claim. (Cl. 10-116.)



A combination screw die and collet for use with a die stock or independently thereof with an ordinary wrench, comprising a collet of non-circular exterior having an interior cavity with diametrically opposite aligned channels, each terminating in a bottom wall and together defining a through opening serving as a bottom work guide, said cavity on each side of the channels forming ledges with intermediate cut-outs arranged in alignment on opposite sides of the channels, said channels having their opposite sides provided with longitudinal grooves, die blocks fitted in said channels and supported on the bottom walls thereof, and having oppositely located external ribs on the sides thereof, said ribs engaging said

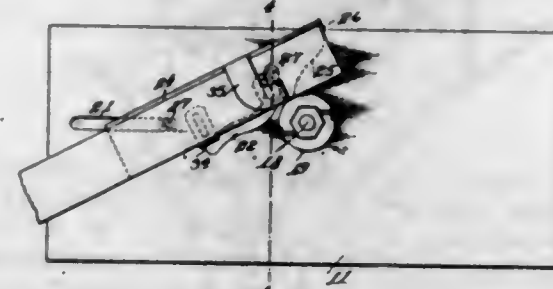
grooves and arranged equidistant from the top and bottom and thereby made reversible, said collet having at the end remote from the ledges an overhanging threaded flange, a top guide having an axial work guiding opening and threaded to engage said flange, and bearing on the top of the die block, and set screws engaging the die blocks, the latter being held by the bottom walls of said channels and said top guide.

1,516,352. COLLAPSIBLE CRATE. EMIL SLAVKAY, Astoria, N. Y. Filed July 23, 1923. Serial No. 653,072. 9 Claims. (Cl. 217-47.)



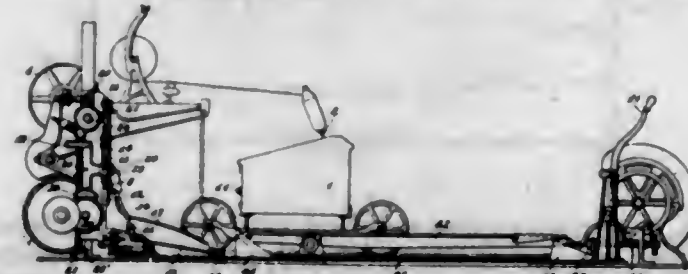
1. A collapsible crate comprising a base, side and end wall members pivoted to said base and adapted to fold down upon the latter, said side wall members holding said end wall members against inward collapsing movement, and a top member adapted to fit between the upper edges of said side wall members, and having downwardly projecting elements on its ends engaging the top edges of the end wall members to hold the latter against outward collapsing movement.

1,516,353. OGEE-CUTTING MACHINE. JOHN C. STUTZ, Albuquerque, N. Mex. Filed Sept. 12, 1923. Serial No. 662,290. 4 Claims. (Cl. 144-145.)



1. In a wood working apparatus, the combination of a fixed support having a longitudinal slot and a compound curved slot, the latter slot extending obliquely with respect to the longitudinal slot, and a work holding carriage movable on the support and having pins movable respectively in the longitudinal and compound curved slots, and driving means operatively connected with the carriage whereby to produce simultaneous rotational and translational movements of the carriage.

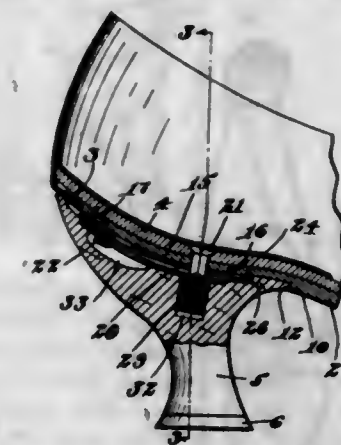
1,516,354. STOP MOTION FOR SPINNING MULES. JOSEPH D. SULLIVAN, Maynard, Mass. Filed Mar. 4, 1924. Serial No. 696,874. 5 Claims. (Cl. 118-22.)



1. A stop motion for spinning mules, comprising a shipper arm connected rigidly with the shipper of the spinning mules, and a stop adapted to move into the

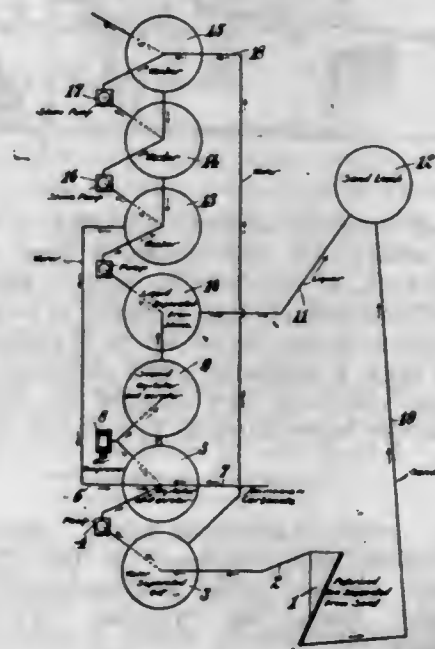
path of movement of said arm for locking the arm in a given position, and a lever actuated by one of the bullder rail shoes for actuating said stop whereby the shipper of the spinning mule is held in a given position until the carriage of the spinning mule has actuated the usual power throw off clutch of the spinning mule.

1,516,355. DETACHABLE SHOE HEEL. SOLOMON SWETZOFF, Boston, Mass. Filed May 9, 1923. Serial No. 637,850. 1 Claim. (Cl. 36-42.)



A detachable attaching means comprising a plate adapted to be secured to the heel seat of a shoe exterior of the outsole, said plate being provided with a perforation adjacent the forward end thereof, means formed integral with said plate for attaching the same to the heel seat, a depending hook extending downwardly from said heel seat and having the open end of the hook portion extending toward the rear of the shoe, a cooperating plate secured to the upper face of the heel, said plate being provided with a cut out portion adapted to register and engage with the hook-shaped member on the metallic plate, screw engaging means formed integral with the heel plate and having the main portion thereof extending downwardly into the heel structure, and a screw passing through the forwardly located perforation in the metallic plate and into the screw engaging means whereby the heel is maintained in position on the heel seat and in proper alignment with the shoe structure.

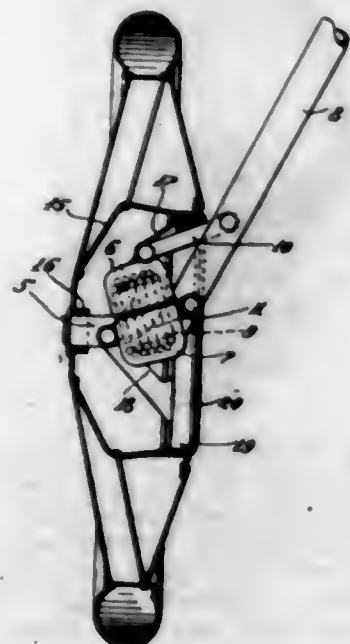
1,516,356. LEACHING OF ORES CONTAINING SLIMES. THOMAS JAMES TAPLIN, Jr., London, England, assignor to Metals Production Company of North America Incorporated, New York, N. Y. Filed Nov. 5, 1923. Serial No. 672,836. 6 Claims. (Cl. 75-18.)



1. In a leaching process for ores containing slimes associated with coarser material, the steps which consist in first separating the slimes, leaching them by suc-

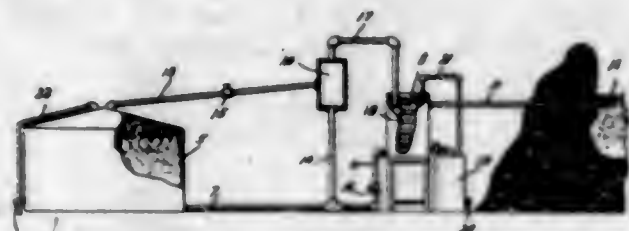
pending them, in a large proportion of the total leaching liquor required for the process and subsequently using the same leaching liquor for leaching the coarser material.

1,516,357. AIRPLANE UNDERCARRIAGE. BENJAMIN DOUGLAS THOMAS, Ithaca, N. Y., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y., a Corporation of New York. Filed Nov. 21, 1922. Serial No. 602,332. 8 Claims. (Cl. 244-2.)



6. In an airplane undercarriage, the combination with a strut and a wheel having a hub casing, of an axle having a bearing at one end in said casing, a ring having a bearing at the inside end of said casing and connected to said axle, a shock absorber mechanism enclosed within the casing and connecting the axle to the strut, and a cover for the inside end of the casing.

1,516,358. STORAGE SYSTEM. LUTHER B. THOMAS, Shreveport, La. Filed May 7, 1923. Serial No. 937,380. 2 Claims. (Cl. 226-85.)

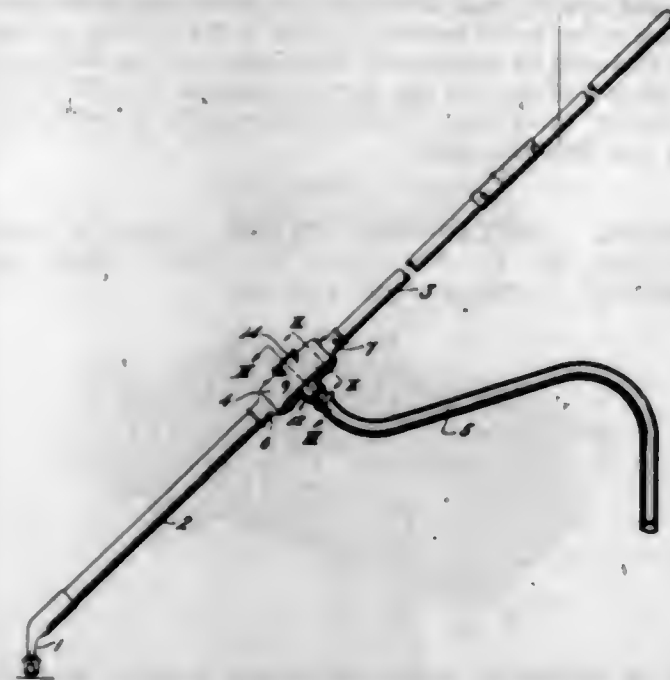


1. An oil storage system including a storage tank having a closed top and bottom a pipe for supplying oil to the tank, a pipe leading from a source of water supply and adapted to supply water to the tank, at the base thereof to maintain the oil in engagement with the top of the tank, a separator and a condenser in communication with the tank, and adapted to condense vapors and return the condensates to the storage tank.

1,516,359. POOL-CLEANING TOOL. WILLIAM J. TIDMAN, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation. Filed Oct. 31, 1921. Serial No. 511,964. 4 Claims. (Cl. 210-206.)

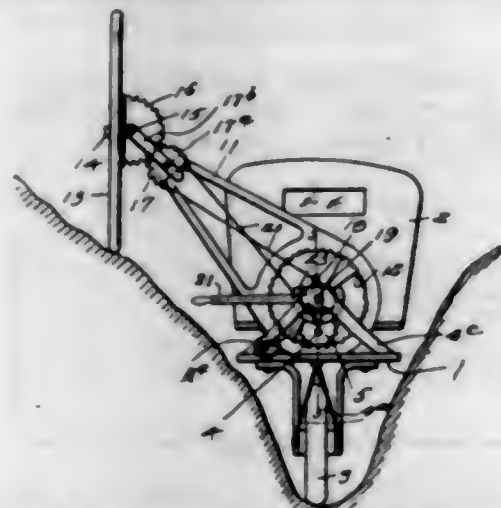
1. A pool cleaning tool including a tubular stem and an adjacent handle bar in axial alignment, connecting means holding the tubular stem and handle bar from rela-

tive rotation, a cylindric fitting swiveled on the adjacent ends of the tubular stem and handle bar forming a cham-



ber between them, a hose connection at one side of the fitting, a normally covered hand hole in another side of the fitting.

1,516,360. TRICYCLE. JOHN VAN DE PUTTE, San Antonio, Tex. Filed Oct. 17, 1922. Serial No. 595,074. 10 Claims. (Cl. 208-78.)



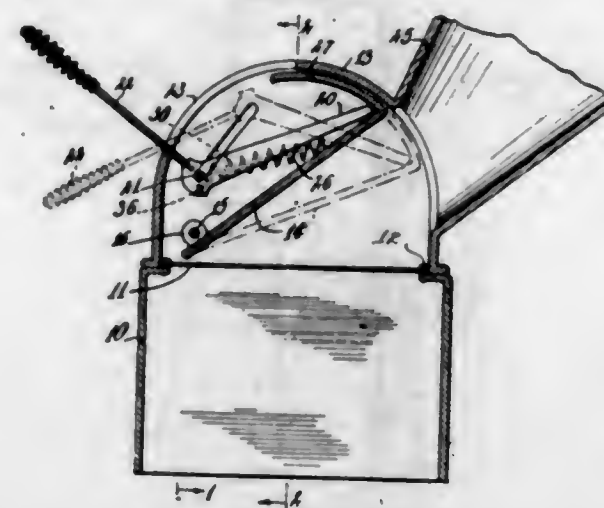
1. A vehicle of the character specified provided with a side supporting wheel which is vertically adjustable to various heights, and means to secure the supporting wheel at the different heights.

1,516,361. COLLAPSIBLE CRATE. RALPH E. VAN NESS, Hernando, Fla. Filed Nov. 2, 1923. Serial No. 672,336. 2 Claims. (Cl. 220-7.)



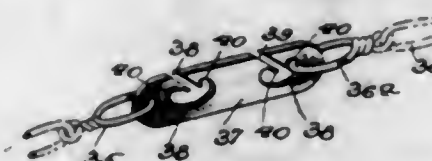
1. In a crate structure, an end wall member comprising a sheet provided at its upper and lower edges with angularly disposed flanges, one flange being disposed beyond one side surface of the sheet and the other flange being disposed beyond the opposite surface of the sheet, the said sheet being provided at its end edges with curved lips.

1,516,362. SLICING DEVICE. OCTAVIO VEGAS, New York, N. Y. Filed Dec. 12, 1923. Serial No. 680,075. 6 Claims. (Cl. 146-169.)



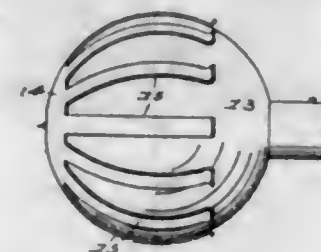
1. A slicing device comprising a casing, a number of steel wires stretched thereacross, and a hinged presser plate adapted to move toward and away from said wires, and an arm bearing freely on said presser plate to move it toward the said wires, and a spring connected to said presser plate and urging the latter away from the said wires.

1,516,363. FASTENING DEVICE. CHARLES NEWTON WATSON, St. Joseph, Mo., assignor of one-fourth to C. C. Wright, St. Joseph, Mo. Filed July 10, 1923. Serial No. 650,697. 1 Claim. (Cl. 24-230-5.)



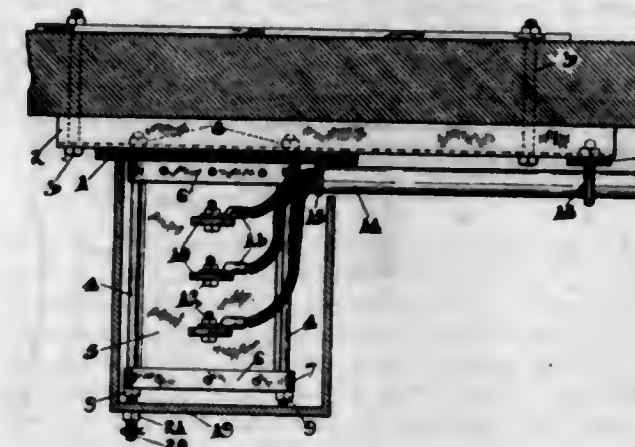
A fastening device constructed of a single piece of metal and designed for releasably securing a watch chain to the ring on the stem of a watch, said fastening device comprising a hook made up of substantially rigid bars and having a slot in one of said bars to admit of assembly and disassembly of the hook with the ring, said hook being provided with retaining fingers arranged on the opposite sides of the slot and extending at an angle into the space within the hook to a point at approximately the center thereof.

1,516,364. HEADLIGHT DIMMER. WILLIAM M. WEEKS, Kealahou, Territory of Hawaii. Filed July 25, 1922. Serial No. 577,353. 1 Claim. (Cl. 240-48.6.)



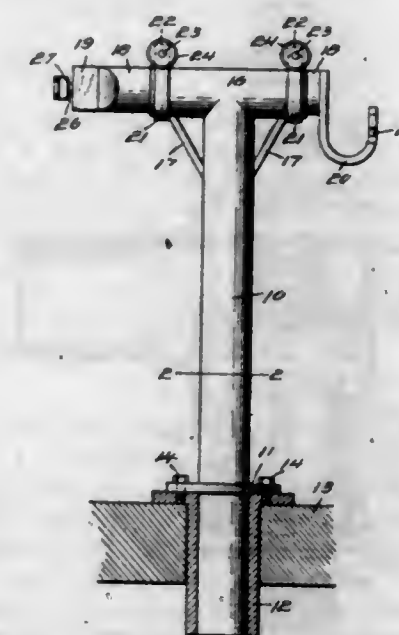
A headlight dimmer consisting of a disk for disposition on the front of the bulb of an incandescent light, said disk being provided with radiating arms disposed in globular form for engagement with the bulb to support the disk in position thereon, the disk and the arms being integral and struck from a plate of sheet metal.

1,516,365. DISTRIBUTION BOX FOR ELECTRIC CIRCUITS. DIDRIK WELSH, Mason, Nev. Filed July 14, 1922. Serial No. 575,069. 2 Claims. (Cl. 247-14.)



2. A distribution box comprising a back of fireproof insulating material; bus bar supports comprising two plates of fireproof insulating material; metal straps secured to said plates forming loops adjacent each corner; bolts passing through said loops securing the plates to the back; and bus bars carried by and extending between said plates.

1,516,366. WORK-HOLDING STAND. CHARLES R. WILLIAMS, RALPH WIGANT, and CALVIN D. WILLIAMS, Mora, Minn. Filed Mar. 23, 1923. Serial No. 627,186. 1 Claim. (Cl. 29-89.)

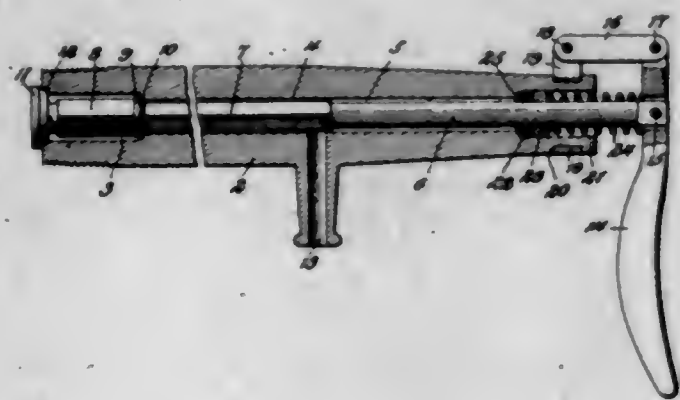


A device of the class described comprising, a standard, a split tubular transverse head formed upon the upper end of said standard, a cylindrical stock movable in said head and having one end thereof cut in upon opposed sides to form a relatively narrow work engaging end, said work engaging end being extended a substantial distance beyond the end of said head to support a piece of work free from said standard and the end of the head, a headed pin threaded into said narrow end, a transversely extending clamp carried upon said pin between the head thereof and said narrow end, and means for retaining said stock in position in said head.

1,516,367. GAUGE COCK. HORACE GALVESTON WILLIAMS, Chicago, Ill. Filed Apr. 16, 1921. Serial No. 462,016. 9 Claims. (Cl. 251-25.)

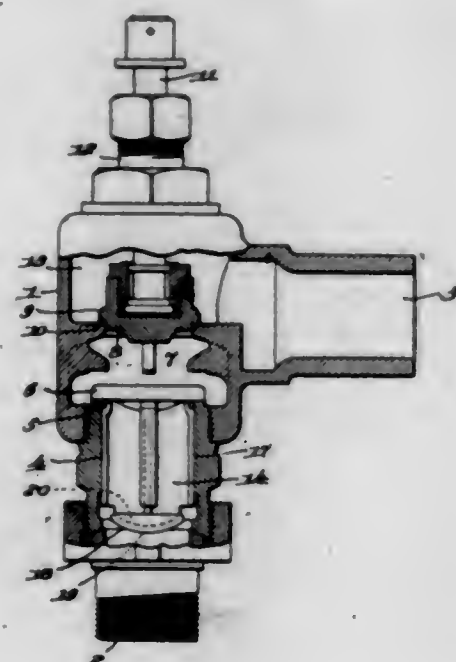
5. In a gauge cock, a casing provided with a plurality of valve seats, a plurality of valves provided with a common stem, one of said valves being normally active and located on one of said seats, another of said valves being inactive and slightly spaced from another of the

sents but adapted to seat thereon in case the normally active valve becomes broken off, a strap swiveled on the casing, a link pivoted to the free end of the strap,



and means fulcrumed on the link and pivoted to the stem for reciprocating the stem to seat or unseat the active valve and for rotating the stem to grind the active valve on its seat.

1,516,368. CHECK VALVE. BELVIN T. WILSON. Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Sept. 8, 1920. Serial No. 408,842. 3 Claims. (Cl. 251-127.)

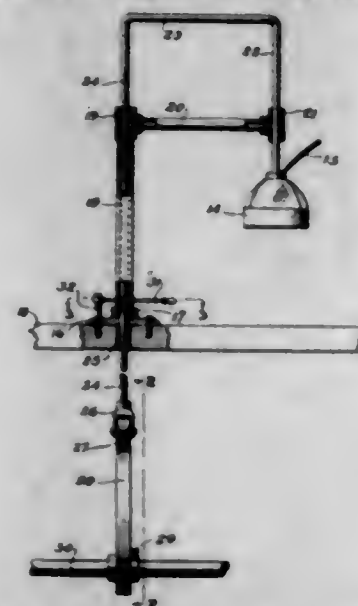


1. A check valve device comprising a casing having a channel and a valve seat concentric therewith, a valve having a head co-operable with said seat, a plurality of spaced guide fins extending from one side of the head and slidably engaging the walls of the channel, and a disc-like member secured to said fins, said member being of a diameter smaller than that of the head but nearly equaling that of the channel whereby back pressure in the channel will act against the disk to assist in closing the valve.

1,516,369. TRANSFER FRAME. LUSTIS S. WILSON. Kinkport, Tenn. Filed Aug. 29, 1923. Serial No. 650,996. 5 Claims. (Cl. 216-9.)

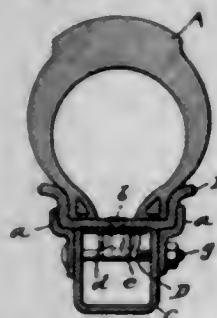
2. In a device of the character described, the combination of a work table, an inverted U-shaped frame supported above the table and having a comparatively long leg extending through the table and a comparatively short leg terminating above the table for carrying an

iron, means for guiding said frame for vertical movement, means beneath the table for normally lifting the frame periodically and allowing it to drop back by gravity,



and a pivotally mounted stop lever, one of said legs having a notch with which the stop lever is engageable to support the frame at rest in its uppermost position.

1,516,370. DETACHABLE RIM FOR AUTO TIRES. FRANCIS ZARLENGO, Wooster, Ohio. Filed July 24, 1922. Serial No. 577,226. 2 Claims. (Cl. 301-31.)



1. In a device of the character described, the combination of two equal sections, the ends of which normally abut against each other and are fitted to slip past each other in a radial direction, a metal strap adjustably secured across two of the abutting ends, and secured thereto by bolts, by the loosening of which said abutting ends are permitted to slip past each other in a radial direction, whereby the opposite meeting ends of the rim are disengaged from each other, said strap provided with elongated holes to admit said bolts, substantially as set forth, and for the purpose specified.

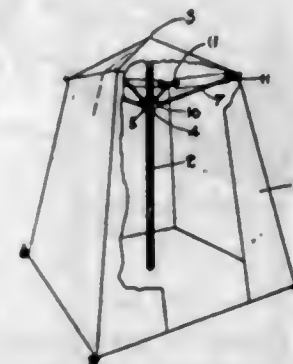
1,516,371. PROCESS OF MANUFACTURE OF A LIGHT AND RESISTING WARPABLE METALLIC SURFACE. LOUIS BRÉGUET, Paris, France, assignor to Société Anonyme des Ateliers d'Aviation Louis Bréguet, Paris, France. Filed Nov. 7, 1921. Serial No. 513,550. 3 Claims. (Cl. 29-180.)



3. A process for the fabrication of a light and resisting warpable metallic surface, which consists in arranging a plurality of thin, pliable channel-shaped strips or ele-

ments in side by side relation, assembling said channel-shaped strips or elements together by rib-forming fastening devices, and securing said rib-forming fastening devices to the channel-shaped strips or elements.

1,516,372. TENT STRUCTURE. BLOOMFIELD H. BROOKS, Denver, Colo. Filed July 3, 1923. Serial No. 649,363. 6 Claims. (Cl. 135-2.)

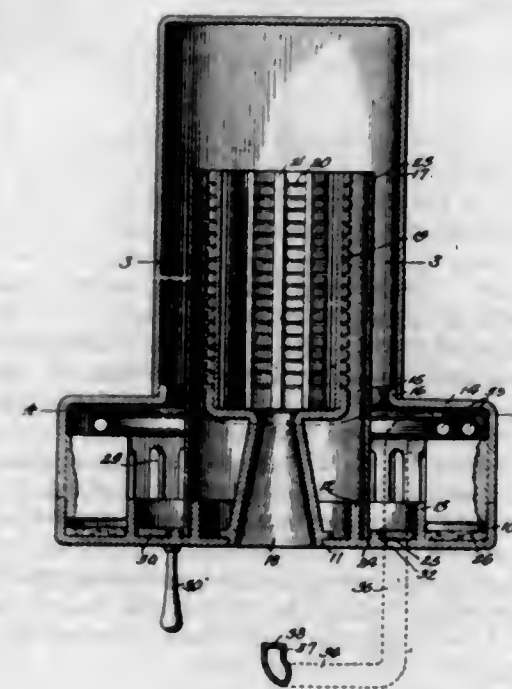


6. In a tent having a central support provided with a plurality of radially disposed arms, a non-expandible flexible member girdling the tent and secured thereto provided with seats adapted to receive the ends of the arms.

1,516,373. ACCUMULATOR PLATE. LOUIS DE MONTMORENCY CATTLEY, Llandaff, near Cardiff, Wales. Filed Dec. 31, 1921. Serial No. 526,315. 4 Claims. (Cl. 204-29.)

4. An accumulator plate, comprising a paste to be baked out of contact with air, and including pre-formed lead sulphate, oxide of lead, carbonaceous material resulting from cooked potato, and sulphuric acid.

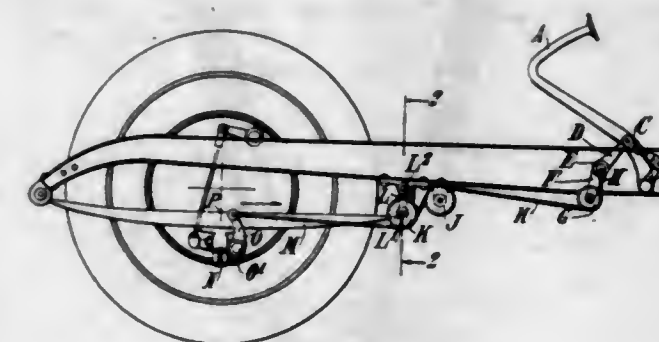
1,516,374. OIL BURNER. EDWIN DARBY, Waterloo, Iowa, assignor of one-half to Chester J. Shaw, Castle Hill, Iowa. Filed Feb. 15, 1924. Serial No. 693,044. 3 Claims. (Cl. 158-53.)



3. A burner comprising a pan-like member, a plurality of spaced upstanding concentric flanges on the upper face of the bottom of said pan-like member, a housing supported by said housing, an intake member having an upper enlarged end and supported by the pan-like member

and engaging the same between two of said concentric flanges, a cylindrical member interposed between said cover and said intake member, the lower end of said cylindrical member embracing the innermost flange, a plurality of openings formed in the bottom of the pan-like member and between two of the flanges thereof, and a circular plate slidably mounted between the two flanges and having a plurality of openings adapted to coincide with the openings in the pan-like member to regulate the draft of air therethrough.

1,516,375. BRAKE-ACTUATING MECHANISM. ROBERT EMILE CHARLES DELEVOTTE, Paris, EMILE ALBERT FRANÇOIS DUMAINE, Neuilly-sur-Seine, France, assignors to Société Anonyme des Anciens Etablissements Hotchkiss & Cie., Levallois-Perret, Seine, France. Original application filed Jan. 3, 1923. Serial No. 610,493. Divided and this application filed Dec. 12, 1923. Serial No. 680,212. 7 Claims. (Cl. 188-190.)

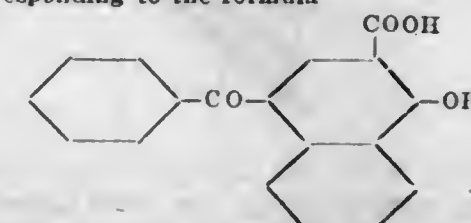


5. A brake-actuating mechanism comprising in combination with a chassis; a suspension spring for an axle, a movable support for the free end of said spring, a brake pedal mounted on said chassis, a brake mechanism for wheels mounted on said axle, cables connecting said brake pedal to said brake mechanism, a pulley carried by the free end of said spring, a second pulley mounted on the chassis, said cable being led over said pulleys in opposite directions.

1,516,376. ARYLHYDROXYNAPHTHYLKETONE AND PROCESS OF MAKING SAME. GUILLAUME DE MONTMOLLIN and GÉRALD BONHÔTE, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 17, 1922. Serial No. 575,579. 12 Claims. (Cl. 260-64.)

1. The herein described process for the manufacture of arylmonohydroxynaphthylketones corresponding to the general formula $R-CO-R'$, wherein R stands for an aromatic nucleus, which may bear other substituents with the exception of a carboxyl group, and R' for a hydroxynaphthalene nucleus which still bears negative substituents other than hydroxyl groups, consisting in acting, in absence of substances capable of neutralizing acids, on monohydroxynaphthalenes which bear further negative substituents other than OH-groups with arylchloroforms.

12. As a new article of manufacture the herein described 1-phenylketone-4-hydroxynaphthalene-3-carboxylic acid corresponding to the formula

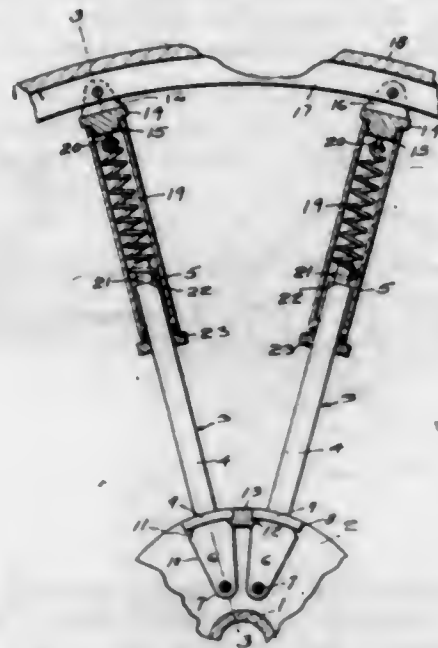


melting at 205° C. and constituting a colorless powder soluble in alkalis and sulfuric acid to yellow solutions.

1,516,377. PROCESS OF RENDERING CHLORIDES OF KETONES SOLUBLE BY MEANS OF ALKALIES. ANTOINE REGNOUF DE VAINS, Miribel, Ain, France. Filed Dec. 11, 1922. Serial No. 606,294. 2 Claims. (Cl. 8-2.)

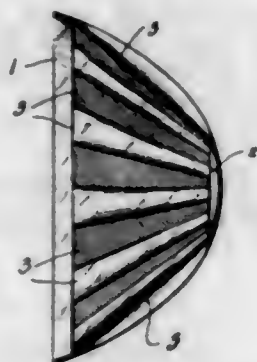
1. A process for rendering soluble, by means of spent alkaline liquors derived from the lixivation of cellulose materials, the chlorides of ketone contained in a cellulose pulp treated with chlorine, consisting in treating said liquors with carbon dioxide, in filtering the resulting liquid and in mixing it with the cellulose pulp.

1,516,378. RESILIENT WHEEL. GEORGE B. DICKSON, Ike, Mo., assignor of one-half to John Dickson, Mansfield, Ohio. Filed Dec. 3, 1923. Serial No. 678,280. 3 Claims. (Cl. 301-47.)



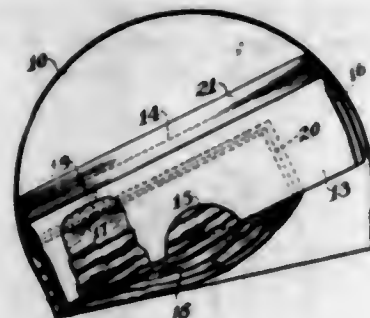
1. In a resilient wheel, the combination with a hub provided with a spaced flanges, of a rim, spokes pivotally connected to the rim, said spokes comprising inner and outer telescopic sections, the inner ends of the inner sections being pivotally connected between the flanges of the hub, cushioning means disposed between the flanges of the hub and interposed between the several inner sections of the spokes, the inner sections of the spokes having opposite shoulders or flanges of arcuate form conforming to the flanges of the hub, and resilient means connecting between the sections of the spokes.

1,510,379. HEADLIGHT REFLECTOR. LOUIS DUFRE, Seattle, Wash. Filed June 19, 1923. Serial No. 646,413. 2 Claims. (Cl. 240-41.)



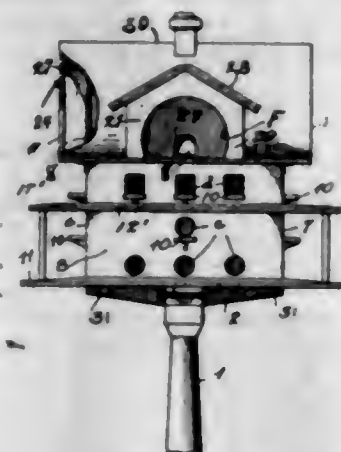
1. A reflector having its surface corrugated and the crests of the corrugations and the valleys therebetween of contrasting colors adapted to blend in combination with a source of artificial light so as to obscure lines of demarcation between the colors.

1,516,380. BATHING CAP. GENEVIEVE EATON, New York, N. Y. Filed Oct. 15, 1923. Serial No. 608,731. 5 Claims. (Cl. 2-68.)



1. A bathing cap having its lower portion formed with two strips of elastic material, the outer strip normally extending below the lower edge of the inner strip, and a strip of chamois secured between the two elastic strips and normally extending below the free edge of the inner one but terminating short of the free edge of the outer one.

1,516,381. BIRD HOUSE. ALFRED C. ERICKSON, Harbor Springs, Mich. Filed Apr. 13, 1921. Serial No. 461,002. 1 Claim. (Cl. 119-23.)

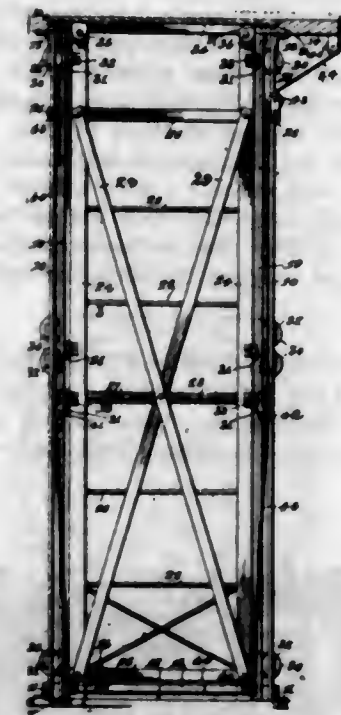


A bird house comprising a support, a bottom mounted thereon, upstanding walls supported upon the bottom and defining an enclosure, the said walls having entrance openings communicating with the interior of the enclosure, the marginal portions of the bottom projecting beyond the outer sides of the walls whereby to provide a perch extending about the exterior of the enclosure, a plurality of floor members arranged one above another within the enclosure, partitions extending between adjacent ones of the floor members and interiorly dividing the enclosure, the floor members and associated partitions being independently removable through the top of the enclosure, and a roof structure removably secured in place upon said top and closing the same.

1,516,382. DUMB-WAITER. EDWARD C. EVENSON, Bottineau, N. Dak. Filed Oct. 8, 1923. Serial No. 667,289. 1 Claim. (Cl. 187-3.)

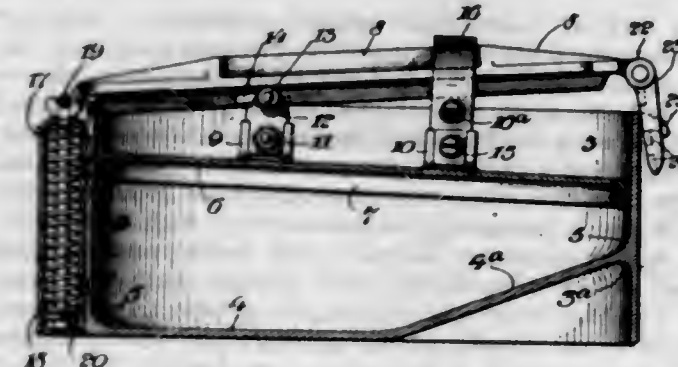
The combination of a floor having an opening with an encompassing shoulder, an upwardly opening socket

member supported on said shoulder, a filler member for said opening, a rib carried by said filler member and engageable in said socket, a plurality of telescoping sec-



tions, means for coupling said filler member to the innermost of said sections, and means for elevating said sections.

1,516,383. HAM BOILER. FREDERICK EDWARD HODDERSEN-BALLING, Brooklyn, N. Y. Filed May 27, 1922. Serial No. 564,036. 23 Claims. (Cl. 100-57.)



1. In a ham boiler the combination of a receptacle, a cover therefor, a handle bar for manipulating said cover, means for connecting said bar to the cover at a normally fixed angle thereto, and connecting means between said bar and receptacle for adjusting said cover at various angles to the bottom of the receptacle.

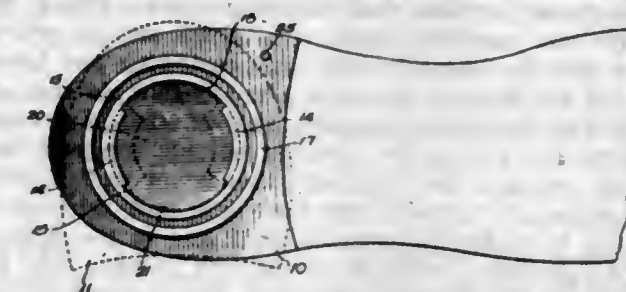
3. In a ham boiler the combination of a receptacle, a cover therefor, a handle lever connected to the cover and resilient means connecting said handle lever and receptacle, said receptacle at one end being upwardly inclined and said cover at the corresponding end thereof being downwardly inclined.

8. A ham boiler comprising a receptacle having a bottom wall and upright side walls having rounded or curved corners of increased thickness, an upwardly inclined bottom portion, a cover, and means for supporting it, and means for connecting said supporting means to the cover at a constant angle thereto.

1,516,384. HEEL FOR SHOES. RICHARD R. KAMADA, New York, N. Y. Filed Oct. 1, 1923. Serial No. 665,999. 2 Claims. (Cl. 36-36.)

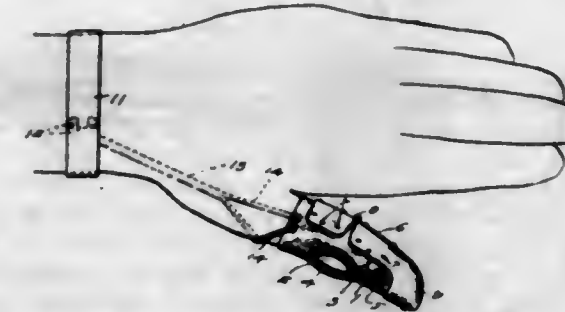
1. A shoe heel structure comprising a permanent lift section, a detachable lift section, and interengageable means of connection therebetween, said means consisting

of an annular concentric rib on the permanent lift section having internal pairs of diametrically disposed vertically spaced beads, the said detachable lift section having a concentric socket in its upper face for snugly re-



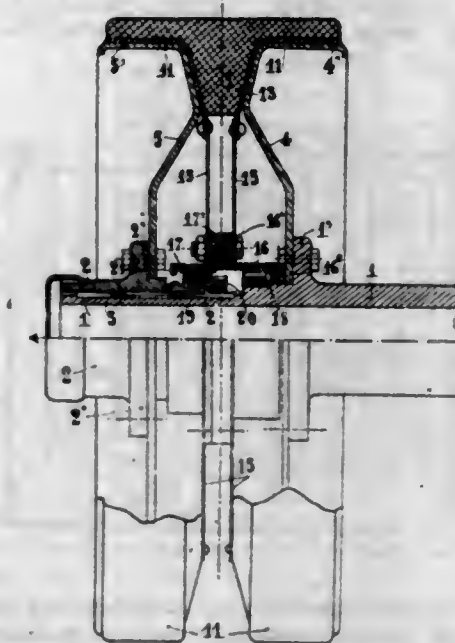
ceiving the rib, and a concentric upwardly projecting head in the socket having radially projecting diametrically disposed ears engageable between the vertically spaced pairs of beads upon relative rotary movement of the permanent and detachable lift section.

1,516,385. THUMB SHIELD. SARAH MARGUERITE KECK, Fairview, W. Va. Filed Apr. 4, 1924. Serial No. 704,190. 3 Claims. (Cl. 2-21.)



1. A thumb shield comprising a flexible stall provided with an opening to receive the second joint of the thumb, the wall of said opening being reinforced, a strip extending across the opening, and a protecting plate secured to the inner side of the stall.

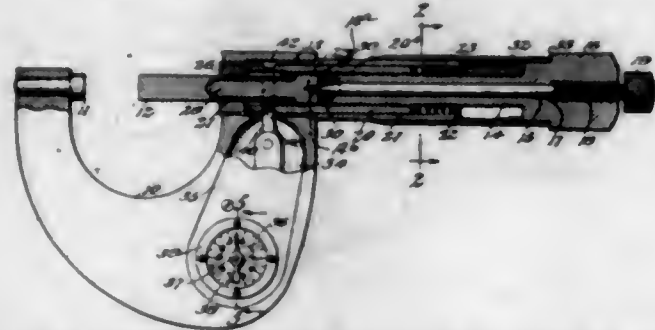
1,516,386. DRIVING PULLEY FOR ENDLESS FLEXIBLE TRACK BELTS. ADOLPHE KEGRESSE, Paris, France. Original application filed Apr. 27, 1923, Serial No. 635,052. Divided and this application filed Mar. 19, 1924. Serial No. 700,331. 5 Claims. (Cl. 74-21.)



3. A driving wheel for endless flexible track belts of the type having a longitudinal projection or rib on the inner surface thereof, comprising two companion cheeks arranged in spaced relation to grip the belt rib between

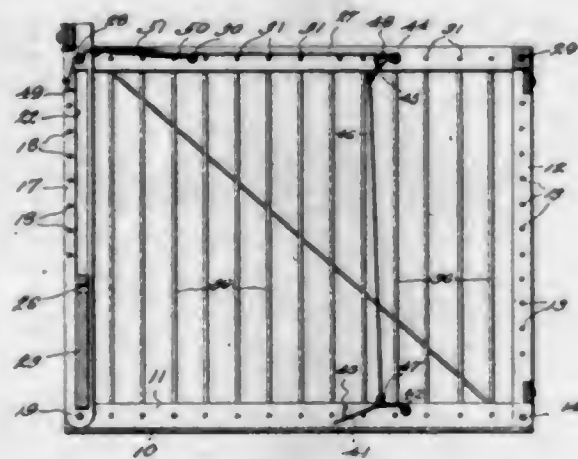
them, one cheek mounted on and secured to a driving axle to rotate therewith; a hub fitting on and slidably keyed to said axle to be driven thereby and to which the other cheek is secured, said hub having an externally threaded inner portion; belt-engaging means fitting between the rim portions of the two cheeks and on which the belt directly rests; a false hub encircling the inner portion of the sliding hub and the adjacent portion of the axle and interposed between said cheeks, said false hub having an internally threaded portion disposed immediately opposite the external threads on said sliding hub; connections between the false hub and belt-engaging means to rotate the former relatively to the sliding hub and axle when slippage of the belt occurs; and an externally and internally threaded nut interposed between the false and sliding hubs and engaging the threads thereon to transmit the rotary movement of the false hub to the sliding hub and to shift the latter and the second-named cheek inward bodily along the axle toward the first cheek.

1,516,387. MICROMETER. GUSTAF A. KELLERSTEDT, New Britain, Conn. Filed Apr. 15, 1922. Serial No. 552,946. 17 Claims. (Cl. 33-165.)



1. A micrometer including a frame, a spindle movable axially in the frame, an externally threaded plug through which said spindle passes, said plug having threaded engagement with said frame, a cylinder attached to the frame, an elongated nut in said cylinder, connections between said elongated nut and said plug, an actuating element for said spindle, and means to optionally lock said actuating means to said nut or to cause turning of said nut and the plug or permit independent forward movement of the actuating means and spindle.

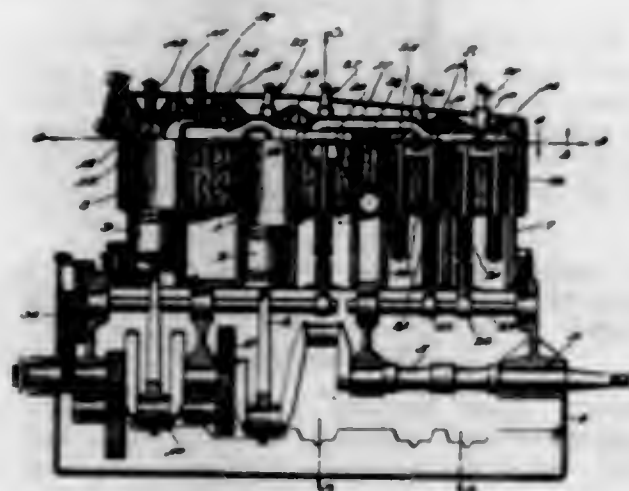
1,516,388. ANIMAL TRAP. STENLY KRUSZYNSKI, Philadelphia, Pa. Filed June 13, 1923. Serial No. 645,213. 3 Claims. (Cl. 119-61.)



2. A trap of the character described comprising a bottom, back and front members pivotally connected therewith, a top pivotally connected with the front and back members, vertical rods extending between and pivotally connected with the top and bottom to form the sides, diagonal braces for connecting the top and bottom to hold the device in set-up position, the front member be-

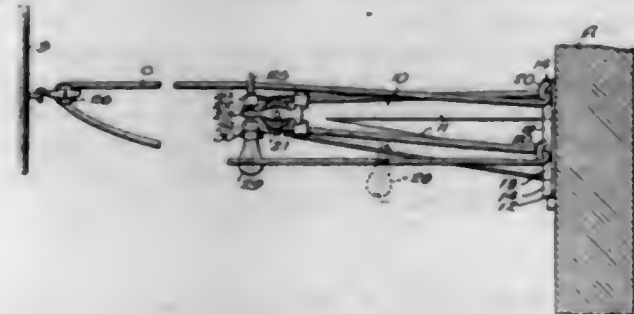
ing formed with a door opening, a downwardly spring pressed door slidable within the front member for covering said opening, the door being formed with a slot, a treadle pivoted above the bottom, and a trigger mechanism engaging the door and connected with said treadle for releasing the door upon depression of the treadle, said trigger mechanism including a rock shaft having crank arms connected with the treadle, a trigger on the rock shaft, a hook like trigger member pivoted at the top of the front member and engageable with said slot, a spring normally urging said second named trigger into releasing position and a rod connected with the second named trigger and engaging the first named trigger for holding said second named trigger in operative position.

1,516,389. INTERNAL-COMBUSTION ENGINE. PETER LEOW, Boyne City, Mich., assignor of one-half to Lester A. Gallagher, Milwaukee, Wis. Filed Apr. 18, 1922. Serial No. 554,491. 1 Claim. (Cl. 123-59.)



An internal combustion engine comprising a cylinder block having a plurality of power cylinders and an auxiliary fuel compression cylinder formed therein, a removable cylinder head, said cylinder block and cylinder head provided with cooling fluid receiving chambers and passageways surrounding said power and auxiliary fuel compression cylinders, said removable head provided with a fuel outlet passageway communicating with said auxiliary fuel compression cylinder, said head provided with a fuel delivering passageway, a spring controlled pressure operated valve establishing communication between said first and second named passageways, said cylinder block provided with a plurality of substantially U shaped passageways, fuel supply passageways in said cylinder head communicating with the cylinders and said U shaped passageways, and a pair of valves in each of said U shaped passageways for controlling the passage of fuel into the cylinders.

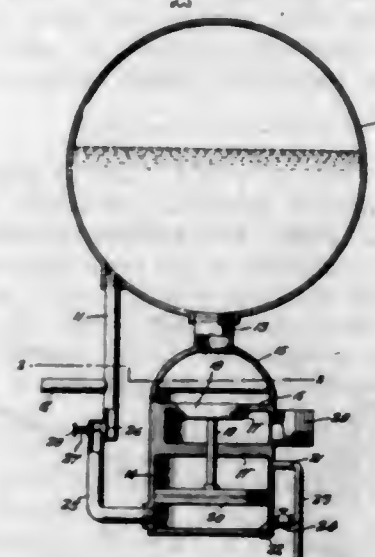
1,516,390. CLOTHESLINE SUPPORT. KITTEL LJO- STAD and OVE S. JOHANSEN, Brooklyn, N. Y. Filed Oct. 25, 1923. Serial No. 670,761. 2 Claims. (Cl. 68-3.)



1. A clothes line support comprising an arm carrying a pulley through which a line may pass from a remote pulley, a bracket having angularly disposed members adapted to be secured to a window frame, said

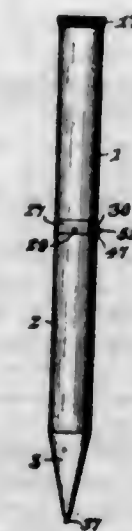
bracket formed with hinge knuckles, a hinge pin passing through said knuckles, said arm having spaced members formed with eyes through which said hinge pin also passes, a spacing sleeve on said pin between said members, a hook swivelled to the pin between the upper arm member and the upper knuckle on the bracket, and a second hook swivelled to the pin between said spacing sleeve and the lower member of said bracket.

1,516,391. FLUSHING DEVICE. ALFRED P. LUDWIG, Cristobal, Canal Zone, Panama. Filed Nov. 20, 1923. Serial No. 675,841. 3 Claims. (Cl. 4-30.)



1. A flushing device comprising a casing having space partitions therein providing a receiving dome, an outlet chamber and a cylinder, a valve seated in the bottom of the dome and having a valve stem projecting through the outlet chamber and into the cylinder, a piston in the cylinder connected to the stem, regulatable means for controlling exhaust from the bottom of the cylinder, a tank connected to said dome of the casing for supplying fluid thereto, a supply pipe having one branch leading to the tank and a second branch leading to the bottom of said cylinder, and a manually operable valve in said second branch of the supply pipe for admitting fluid to the bottom of the cylinder for elevating the piston and opening the main valve, said second partition being adapted to center the valve stem and prevent passage of fluid from the outlet chamber to the cylinder.

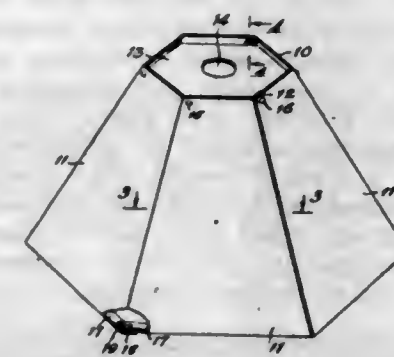
1,516,392. MAGAZINE PENCIL. HARRISON E. MABEE, Minneapolis, Minn. Filed Jan. 14, 1924. Serial No. 686,105. 2 Claims. (Cl. 120-14.)



1. A magazine pencil comprising a body portion formed of an inner section, an outer section and an intermediate section, a manually shiftable magazine arranged within

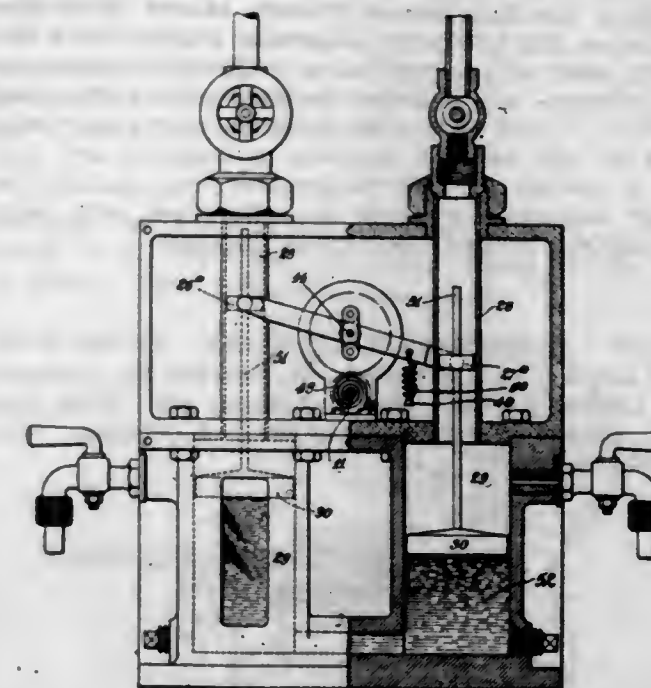
said intermediate section and providing means for selectively positioning marking elements axially of said body portion, a pivot rod fixed to said inner section and extending through and counter-sunk in said magazine, means carried by said outer section and shiftable into said magazine for feeding the selected marking element through the pencil, and said magazine provided at one end with a laterally extending annular flange formed with projections to provide for the manual shifting of the magazine about said rod.

1,516,393. LAMP SHADE. DOROTHEA MACOMBER, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,611. 3 Claims. (Cl. 240-108.)



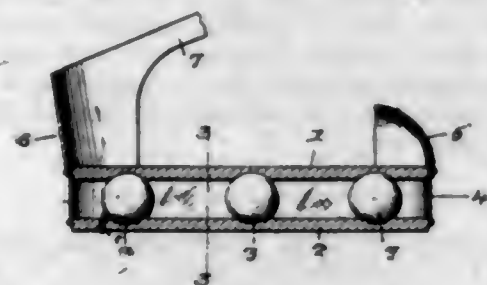
1. In a polygonal lamp shade, means forming a part of the shade for bracing the end of said shade to prevent lateral distortion thereof, said means consisting of inwardly bent flanges at the end edges of the side walls of the shade body, one end of each flange abutting with the inner side of the next adjacent side wall and overlapping the end of the next adjacent flange, and means extending through the overlapped ends of said flanges for securing said flanges in their inwardly bent position.

1,516,394. MANOMETER. HAROLD MARTIN, Southsea, England. Filed Apr. 19, 1924. Serial No. 707,734. 6 Claims. (Cl. 73-31.)



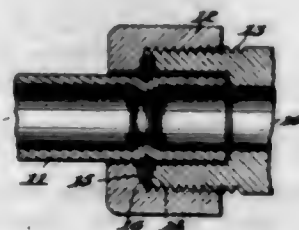
1. A manometer of the kind referred to including a tube containing a liquid movable in response to changes of pressure, an armature movable within the tube in response to the change in liquid level therein, a pivotally mounted electro-magnet disposed without the tube and so arranged that its movement is controlled by the armature, and means for energizing the electro-magnet with an intermittent current of suitable frequency, so that sticking of the armature within the tube due to magnetic attraction is prevented.

1,516,395. SHOE ATTACHMENT. ALFONSO MICELI, Washington, D. C. Filed Nov. 14, 1923. Serial No. 674,729. 1 Claim. (Cl. 36-29.)



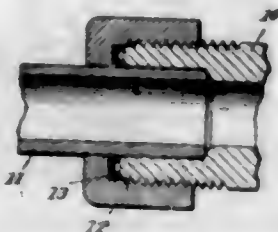
A shoe attachment of the character described comprising upper and lower plates, a covering secured to the outer edges of the plates and disposing them in spaced superposed relation, said plates being provided with spaced concavities arranged in equidistantly spaced relation and in a manner whereby the concavities of the upper plate cooperate with and are disposed directly below the top of the upper plate and a spherical connecting piece arranged in each of the cooperating concavities as and for the purpose specified.

1,516,396. COMPRESSION COUPLING. PHILIP MUELLER and ANTON C. SCHUEMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 9, 1920. Serial No. 350,455. 10 Claims. (Cl. 285-122.)



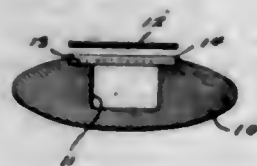
4. In a coupling, the combination of two telescoping members, a third member adjustably engaged with one of said members, a continuous preformed compression ring between said engaged member and surrounding the other of said telescoping members, and compressing means on said engaged members to constrict and compress a portion of said compression ring against one of said telescoped members in radial lines only when said engaged members are drawn together.

1,516,397. COMPRESSION COUPLING. PHILIP MUELLER and ANTON C. SCHUEMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 27, 1920. Serial No. 354,504. 9 Claims. (Cl. 285-122.)



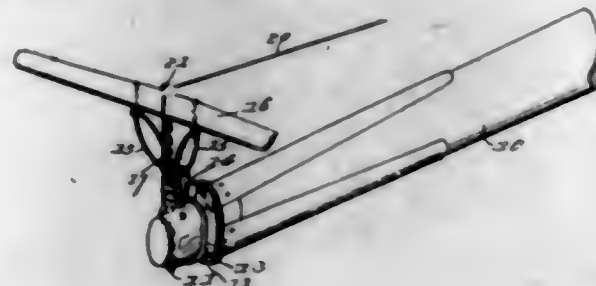
8. In a compression coupling the combination of two telescoping members, a coupling engaging one of said members, a compression member having its body normally curved in cross section and adapted to be forced radially into indenting engagement with the other of said telescoping members when the engaged members are drawn together.

1,516,398. GUM DENTIFRICE. CHARLES McDOWELL, Rapid City, S. Dak. Filed Jan. 15, 1923. Serial No. 612,707. 2 Claims. (Cl. 167-9.)



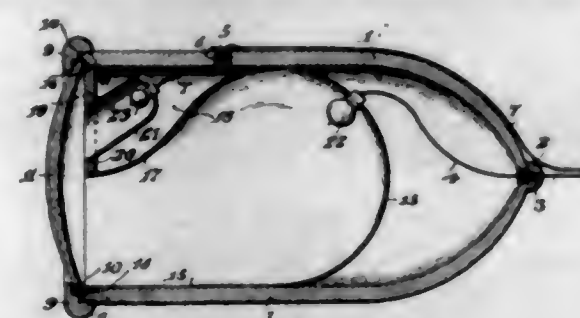
2. An article of manufacture comprising a chewing gum base, having incorporated therewith, mild abradant materials including precipitated chalk, and thymolized calcium phosphate, such composition being formed into the shape of a perforated receptacle, and containing within the cavity thereof, an alkali metal perborate.

1,516,399. NECK-YOKE ATTACHMENT FOR TONGUES. ARCHIE MCKELLAR, WAUSAU, Wis. Filed July 28, 1922. Serial No. 578,164. 5 Claims. (Cl. 278-21.)



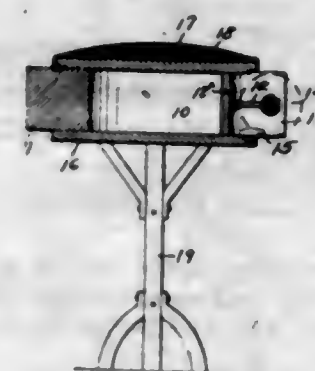
1. A neck yoke attachment for vehicle tongues having a neck yoke carried ring for engagement with the tongue end, a key carried by the tongue in advance of said ring for normally holding the same in engaging relation with the tongue, and an operating cord extending from the key to the driver's station for displacing the key to permit of the disengagement of the neck yoke ring from the tongue.

1,516,400. AUTOMOBILE HEADLIGHT. ROBERT I. McNAUGHTON, Iron Mountain, Mich. Filed Dec. 5, 1923. Serial No. 678,634. 2 Claims. (Cl. 240-41.)



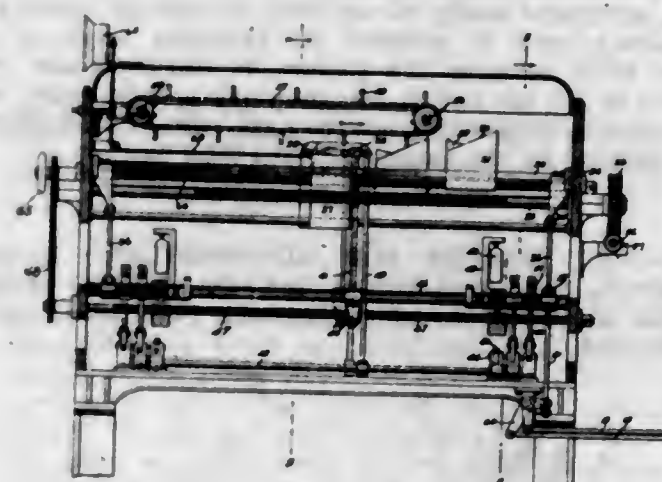
1. A headlight comprising a lens having its lower half formed of a light emitting part throughout and its upper half formed of a light emitting part and an opaque part of greater area than the light emitting part in said upper half, a casing, a reflector cooperating with said lower half of said lens and provided at its rear with an illuminating element and further positioned within said casing for projecting the light rays forwardly of the casing, said reflector having its forward portion at one side of its top inset, a downwardly extending and outwardly inclined reflector supported within said casing at one side of said inset portion and cooperating with the light emitting part of said upper half of the lens and provided with an illuminating element at the rear thereof, and circuit connections extending into said casing and leading to said illuminating elements.

1,516,401. SEWING BOX. ALBERT T. NASH, Leesville, S. C. Filed Nov. 2, 1923. Serial No. 672,886. 1 Claim. (Cl. 223-57.)



A sewing box consisting of a receptacle provided with radially extending arms and a movable cover, spool holders consisting of spring wire elements secured to the receptacle in the space between the arms, and spindles removably engaged with said holders and adapted to secure spools in the manner and for the purpose specified.

1,516,402. AUTOMATIC CONTROL. CARROLL THOMAS ORDWAY, Brooklyn, N. Y., assignor of one-half to Charles Ordway, Brooklyn, N. Y. Filed July 9, 1921. Serial No. 483,448. 11 Claims. (Cl. 74-14.)

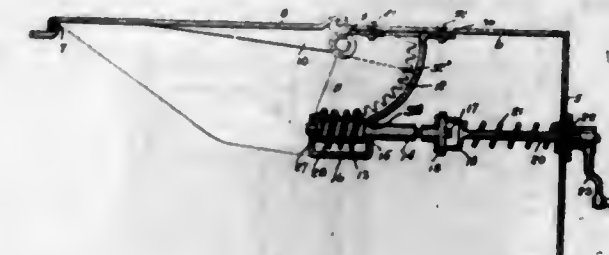


1. In an automatic control for centrifugal machines, a plurality of units each including a rotatable driving shaft, a traveler normally disengaged from said shaft, means for moving said traveler into engagement with said shaft which is then capable of moving said traveler longitudinally thereof, means arranged in the path of movement of said traveler and contacted thereby after said traveler has moved a predetermined distance, and means operated by said contact to actuate the traveler of a different unit to engage its associated driving shaft to cause an operation of the last-named traveler similar to that of the first-named traveler.

1,516,403. COWL VENTILATOR AND FILLING OPENING FOR COWL TANKS. VICTOR W. PAGE, New York, N. Y. Filed June 4, 1921. Serial No. 475,151. 2 Claims. (Cl. 268-17.)

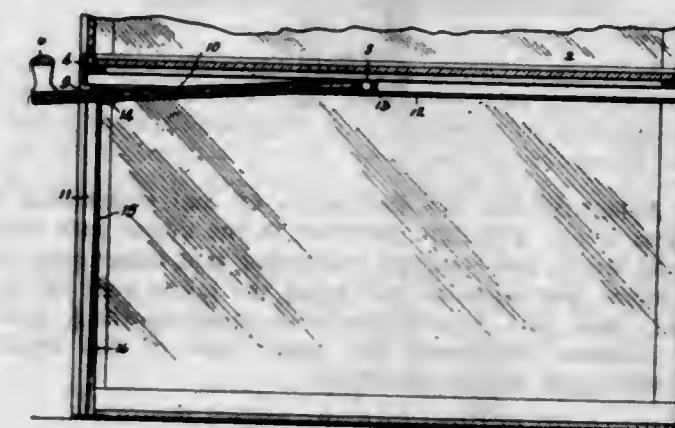
1. A ventilating device, comprising in combination, a hinged door, a stationary member, a bracket formed from a T-shaped blank having lugs supported on said station-

ary member, a pair of arms extending from said bracket and serving as means for pivotally mounting the door,



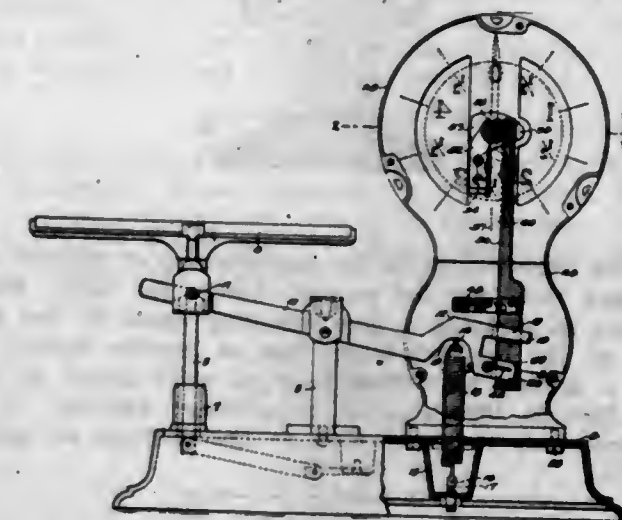
and operating means therefor, a portion of said operating means being mounted in bearings formed in said bracket.

1,516,404. FOOD-DISPLAY CABINET. RAYMOND THEODORE PALMENBERG, New York, N. Y., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y., a Corporation of New York. Filed May 5, 1923. Serial No. 636,886. 2 Claims. (Cl. 211-7.)



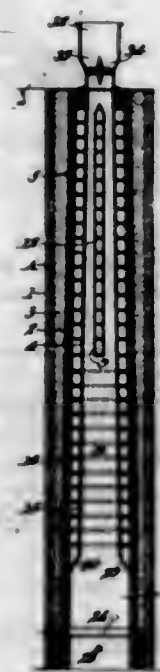
1. In a food display cabinet, a compartment provided with a door, a pair of runways, a pin at each end of the door extending to each of the runways, one of said runways being formed with a resilient section normally closing part of the runways, one of the pins extending from each end of the door acting on said resilient section as the door is being closed in such a manner as to retard the closing of the door.

1,516,405. SCALE CONSTRUCTION. FRED PLAAS, New York, N. Y. Filed Sept. 24, 1923. Serial No. 664,542. 4 Claims. (Cl. 265-68.)



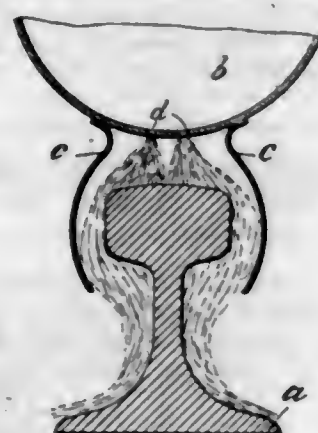
1. In a scales, a scale beam having a vertically slotted and transversely bifurcated end, and a rack bar pivotally mounted in the vertical slots of the furcations of said bifurcated end.

1,516,406. APPARATUS AND PROCESS FOR DISTILLATION OF COAL. ALEXANDER S. RAMAGE, Detroit, Mich. Filed Apr. 9, 1923. Serial No. 630,910. 5 Claims. (Cl. 202-9.)



3. Apparatus for the distillation of coal comprising a vertical retort, a hollow partition in the upper part only of said retort, gas conduits embracing said upper part of the retort, gas conduits embracing the lower part of the retort, said last named conduits communicating with said conduits embracing the upper part of the retort and with said hollow partition.

1,516,407. MANUFACTURE OF RAILWAY AND TRAMWAY RAILS. CHRISTER PETER SANDBERG, London, England. Filed Aug. 7, 1922. Serial No. 580,316. 2 Claims. (Cl. 148-20.)

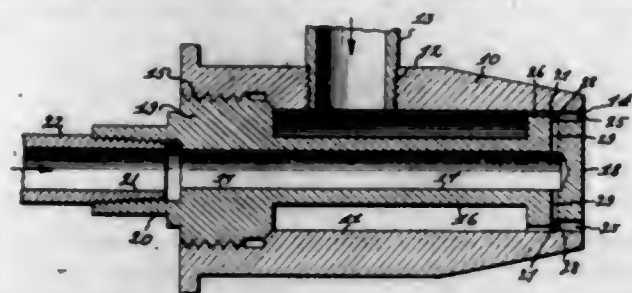


1. An improvement in the manufacture of railway and tramway rails for the purpose herein set forth, which consists in applying a gentle cooling agent to the portions of the hot rail which are of heavier section, in such a manner that these portions shall arrive at and pass through the range of temperature 450-300° C. at approximately the same time as the portions of lighter section.

1,516,408. OIL OR GAS BURNER. ALFRED G. SCHUMANN, Baltimore, Md. Filed Oct. 14, 1922. Serial No. 594,509. 7 Claims. (Cl. 158-75.)

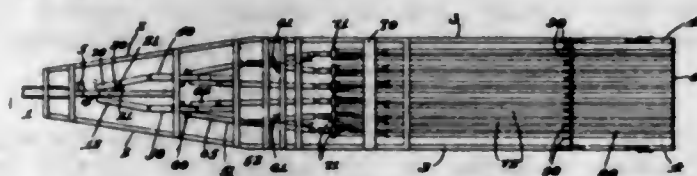
1. An oil or gas burner including a hollow nozzle having a plurality of longitudinally extending discharge

ports with communicating outwardly flaring front and inwardly flaring rear portions, and said nozzle having apertures at the contiguous or constricted ends and



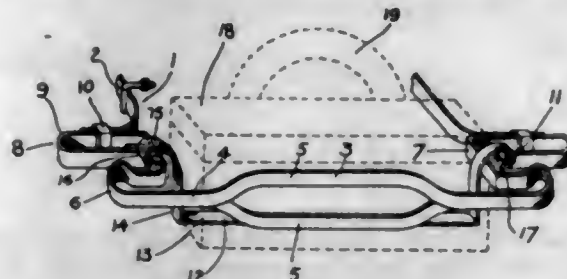
entirely within the outwardly flaring front portions of the discharge ports and establishing communication between the interior and fuel supply of the burners.

1,516,409. APPARATUS FOR AUTOMATICALLY SWITCHING BRICK INTO PLURALITY OF ROWS FOR UNIT FORMATION. ALEXANDER A. SCOTT, Knoxville, Tenn., assignor to Baltimore Trust Company, trustee. Filed Jan. 5, 1923. Serial No. 610,813. 3 Claims. (Cl. 198-21.)



3. A switching device for controlling the passage of a plurality of brick in successive movement, consisting of means projecting into the path of movement of the brick, and partially displaced therefrom, in combination with additional means moved into the line of travel by a passing brick to complete the switching action of a third brick, whereby the passage of two brick are required to set the switch for disallowing a third brick, in combination with means resetting the switch to its original position by the passage of said third brick.

1,516,410. BUMPER FOR AUTOMOBILES. RALPH SÉGUIN, Vancouver, British Columbia, Canada. Filed Dec. 18, 1923. Serial No. 681,412. 3 Claims. (Cl. 293-55.)

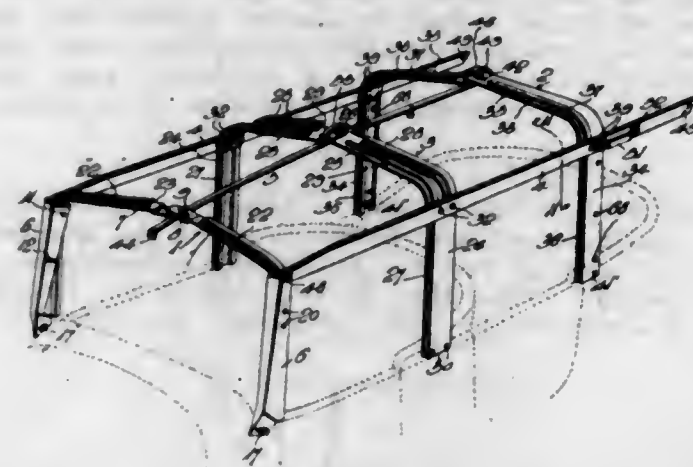


1. A bumper for automobiles comprising a strip of metal having a transverse member bent back upon itself at opposite ends, members at right angle to the bent back portions each terminating in a closed substantially rectangular loop disposed in parallel relation to the transverse member.

1,516,411. SLIDING-CURTAIN-CARRYING ATTACHMENT FOR AUTOMOBILES. JOHN E. SMITH, Fond du Lac, Wis., assignor to Longtin-Brugger Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed Mar. 8, 1923. Serial No. 623,752. 4 Claims. (Cl. 296-140.)

1. A sliding curtain carrying attachment for automobile tops comprising an arched frame adapted to be attached to the top, said frame including a front bow, a rear bow and an intermediate bow, said bows having sub-

stantially horizontal portions adapted to extend transversely across the top, the substantially horizontal portions of said front and rear bows being composed of two sections, guideways carried by said bows, flexible curtains slidable in said guideways, a strut adapted to extend longitudinally along the top between the side thereof, means for securing the substantially horizontal



portion of said intermediate bow to said strut, and vertical securing elements for adjustably securing the inner ends of the sections, constituting the substantially horizontal portions of said front and rear bows to said strut, whereby the horizontal portions of said front and rear bows may be easily arranged parallel to the horizontal portion of said intermediate bow.

1,516,412. LIVE-STOCK-WARNING DEVICE. ROBERT EDWARD LEE SNEAD, Lafayette, La. Filed Sept. 27, 1922. Serial No. 590,831. 3 Claims. (Cl. 89-1.)

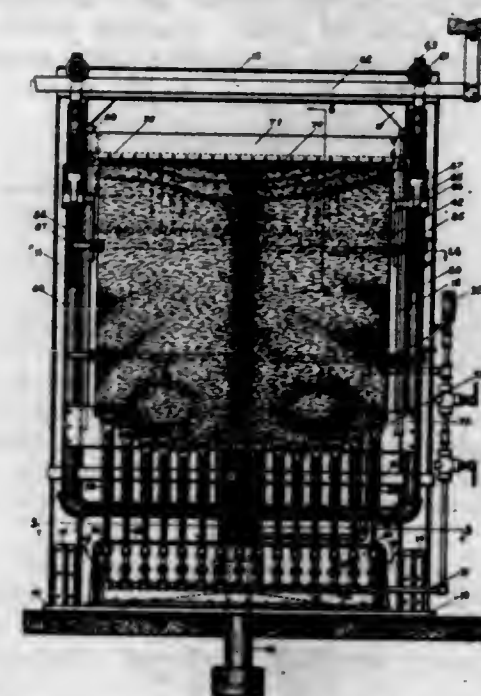


1. An attachment for locomotives comprising a pipe in connection with the steam supply of the locomotive, a perforated plug fitted into said pipe and having guide ways upon the inner face thereof, a slide valve movably mounted in said guide ways and having a perforation adapted to register with the perforation in said plug, said slide valve having a portion extending down and into the steam pipe whereby to encounter the steam for shifting the valve to bring about registry between the ports, means for yieldably shifting the valve to effect nonalignment of the ports, and a receptacle for holding projectiles in communication with the perforation of said plug.

1,516,413. HIDE-STRETCHING APPARATUS. ALEXANDER I. SNOW, Worcester, Mass. Filed Nov. 4, 1922. Serial No. 599,044. 37 Claims. (Cl. 149-21.)

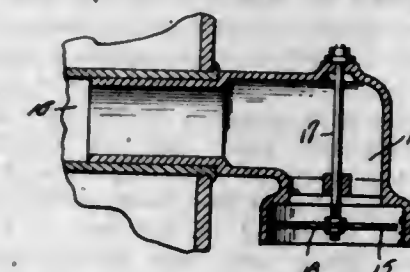
33. In a hide stretching device, the combination of a frame, a pair of jaws at the top of said frame adapted to grip the square end of a hide, said jaws being movable as a whole up and down the frame, a series of vertical guides at the bottom of the frame, a corresponding number of jaw supports connected with said guides, a pair of jaws on each of said supports, individual means for operating said jaws to grip the bottom of the hide carried by the first named jaws and depending therefrom, means for exerting pressure to raise the first pair of jaws and to lower the jaws of the last named series at the bottom, means whereby after a hide is stretched the series of jaws can be individually clamped to the frame in the position they then assume, a track above the frame on which it can move edgewise, the pressure exerting

means for forcing the first pair of jaws upwardly comprising horizontal supports from which said frame is adapted to slide automatically when moved along the



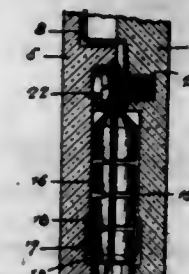
track in one direction, and the jaws at the bottom being readily detachable from the pressure exerting means at the bottom to permit the frame to be moved out of position with the stretched hide thereon.

1,516,414. DAMPER-OPERATING DEVICE. CHARLES E. SPAULDING, Centerville, Ill. Filed June 26, 1922. Serial No. 570,950. 1 Claim. (Cl. 110-147.)



In a locomotive, inlet means for supplying air to the upper part of the fire chamber thereof including a plurality of aligned valve members arranged exteriorly upon opposite sides of the fire box, said valve members being adapted to control inlet passages communicating with the fire box and each comprising a substantially L-shaped casing, a guide member transversing each casing, a stem depending from the upper end of each casing and slidably mounted in the guide member thereof for vertical movement, and a perforated valve secured to the stem and actuated by gravity and suction of the draft within the fire box as and for the purpose specified.

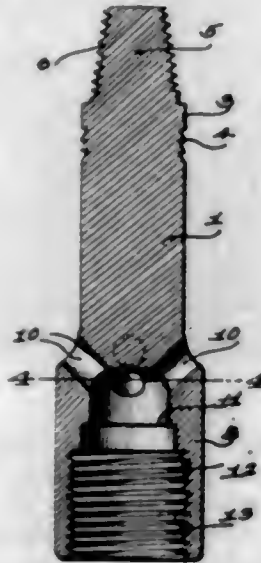
1,516,415. ATTACHMENT PLUG. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 20, 1919. Serial No. 339,286. 8 Claims. (Cl. 173-332.)



1. In an attachment plug, an insulating body, a pair of substantially parallel jack-receiving terminals freely housed therein, fixed conductors in electrical connection

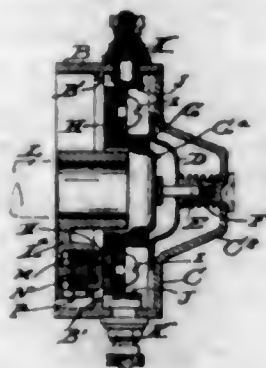
with said terminals, and securing means carried by the body and serving to hold said conductors in fixed position thereon, and also engaging said terminals, at least one of said terminals having lateral play with respect to said securing means to permit variation in the spacing of said terminals while maintaining their substantially parallel relationship.

1,516,416. BAILER TOP. LORENZO DOW TODD, Shreveport, La. Filed July 27, 1922. Serial No. 577,883. 1 Claim. (Cl. 196—19.)



A bailer top comprising a solid shank having exterior angular teeth and a tapering threaded upper end adapted to be screwed into a rope socket, and having at the lower end of the shank an enlarged hollow base internally threaded at its lower end with the threads running oppositely to the threads on the tapering upper end of the shank, a pipe section threaded at its upper end into said hollow base, said enlarged hollow base providing a shoulder between the same and the shank and the bailer top having openings extending through the shoulder to the interior of said base, said hollow base having stepped internal shoulders at the top of the internal threads to bind against said pipe section threaded into the bailer top and to strengthen the hollow base whereby the same may be screwed off of the upper end of said pipe section when the rope socket is turned in a direction to bind it on the tapering upper end of the shank.

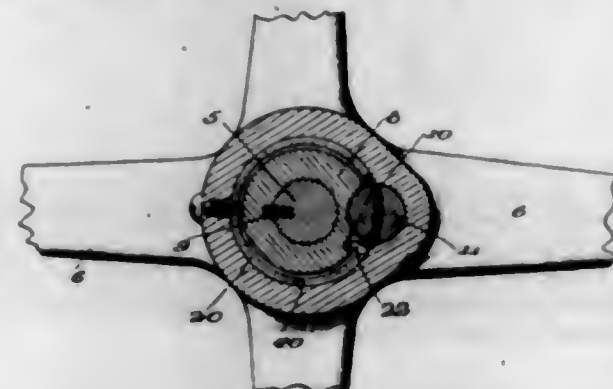
1,516,417. IGNITION TIMER FOR INTERNAL-COMBUSTION ENGINES. BENJAMIN L. TROMBLEY, Detroit, Mich. Filed Mar. 19, 1923. Serial No. 625,966. 4 Claims. (Cl. 200—24.)



2. In a device of the character described, an outer casing having an inwardly projecting annular flange, a plurality of binding posts secured to the outer wall of the casing with terminals extending to the inside of the latter, a removable fibre-ring provided with terminals embedded therein in spaced relation to each other and flush with the face of the ring, resilient means respectively connected with the several terminals of the

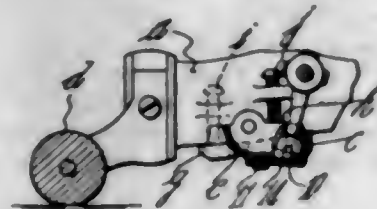
ring adapted to connect the latter with the terminals of the respective binding posts when the ring is installed in the outer casing, a cover hinged to said outer casing having a conical depression, a cup-shaped element housed in said depression and loosely mounted upon a bolt extending into the wall of the cover, a spring sleeved on said bolt adapted to bear upon the cover and against the cup-shaped element, whereby upon closing the cover the cup-shaped element is adapted to bear upon the fibre ring to secure the latter against displacement and against the annular flange of the outer casing, and means for securing said hinged cover in closed position.

1,516,418. WHEEL LOCK. HARRY PARK WOODWARD and WILLIAM AMON LOWERY, Atlanta, Ga., assignors to The Motor Lock Co., Atlanta, Ga., a Corporation of Georgia. Filed Mar. 6, 1922. Serial No. 541,375. Renewed Feb. 15, 1924. 10 Claims. (Cl. 70—129.)



9. The combination of inner and outer bodies having their opposed sides formed with recesses cooperating in the formation of a cylindrical opening, and a locking bolt completely filling said opening and being split longitudinally to form a pair of separate sections, the opposed sides of said sections being curved transversely along lines adapted to coincide with the curved opposing surfaces of the inner and outer bodies.

1,516,419. LAWN MOWER. ADELBERT B. CASE, Springfield, Mass.; Union Trust Company, administrator of the Estate of said Adelbert B. Case, deceased, assignor to Blair Manufacturing Company, a Corporation of Massachusetts. Filed Aug. 18, 1922. Serial No. 582,764. 7 Claims. (Cl. 36—294.)

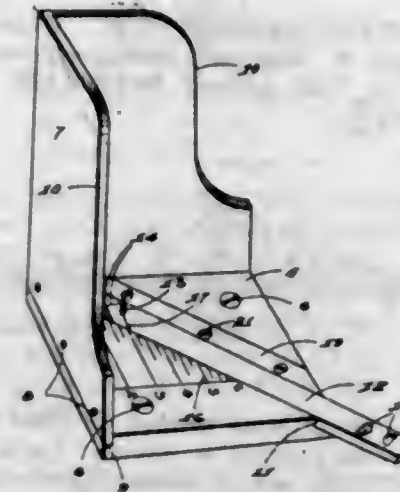


1. In a lawn mower, in combination with the revoluble spiral blades thereof, a rigid transverse member adjacent said blades and stationary relatively thereto, a knife of resilient metal secured to said member and projecting therefrom into cooperative relation with said blades, said knife capable of being flexed by said blades in normal operation when necessary, and resilient means acting on said knife in a direction opposite to that in which it is flexed when engaged by said blades.

1,516,420. CENTERING DEVICE. PIUS COMEAU, Weymouth, Nova Scotia, Canada. Filed Jan. 30, 1923. Serial No. 615,790. 2 Claims. (Cl. 33—191.)

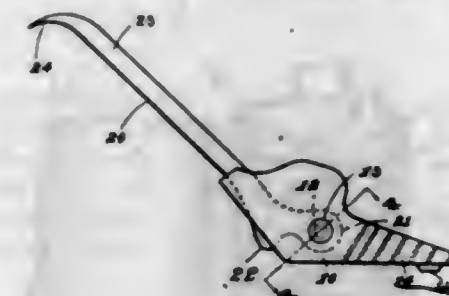
1. A centering device comprising a supporting base plate having a slot extending over one face thereof; a right angled wall extending from adjacent edges of said supporting base plate; said supporting base plate having

a scale on the face thereof along one side of the slot; a slide bar adjustably mounted in said slot and having a bevelled end adapted for engagement with the right angled wall when the slide bar is in one of its extreme positions; a centering member carried by said slide bar;



said slide bar having an indicating marking adjacent the centering member for determining the adjustment of the slide bar along the scale; and means for retaining said slide bar in adjusted position within said slot; said slide bar having notches formed therein whereby the slide bar may be moved in either direction within said slot.

1,516,421. NAIL AND SPIKE PULLER. MARIUS CLAUDE CORDELL, Halkirk, Alberta, Canada. Filed Oct. 18, 1922. Serial No. 595,459. 1 Claim. (Cl. 254—24.)



A nail and spike puller including opposed gripping jaws; a pivot member extended transversely through the central portions of said jaws; said jaws having bevelled shoulders on their forward portions and adjacent the pivot member; said gripping jaws having rearwardly inclined bevelled inner faces on their rearwardly extended portions and rearwardly of the pivot member; and an operating handle mounted at its lower extremity on said pivot member and having bevelled forward and rear edges and a bevelled wedge projection depending from its lower portion; said bevelled wedge projection and the bevelled rear edge of the operating handle being adapted for operation on the rearwardly inclined bevelled faces when the handle is swung rearwardly on said pivot member to force apart the rear portions of said gripping jaws and swing the gripping jaws on said pivot member to move the forward portions of the gripping members toward one another; said bevelled wedge projection being adapted to extend past the rear face of said gripping jaws and serve as the fulcrum, at times; said forward portions of the gripping jaws being adapted to be forced apart by the operation of the bevelled forward edge of the operating handle on the vertical bevelled shoulders of the gripping jaws when the operating handle is swung forward on said pivot member; said gripping jaws carrying spacing lugs on the under face of their forward portions to raise the same from the member on which the nail and spike puller is placed.

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1,516,422. ELECTRICALLY INSULATING PIPE SECTION FOR HIGH-VACUUM PIPE LINES. WALTER DÄLLENBACH, Baden, Switzerland, assignor to Aktien-gesellschaft Brown, Boveri and Cie., Baden, Switzerland. Filed July 31, 1922. Serial No. 578,784. 2 Claims. (Cl. 173—365.)

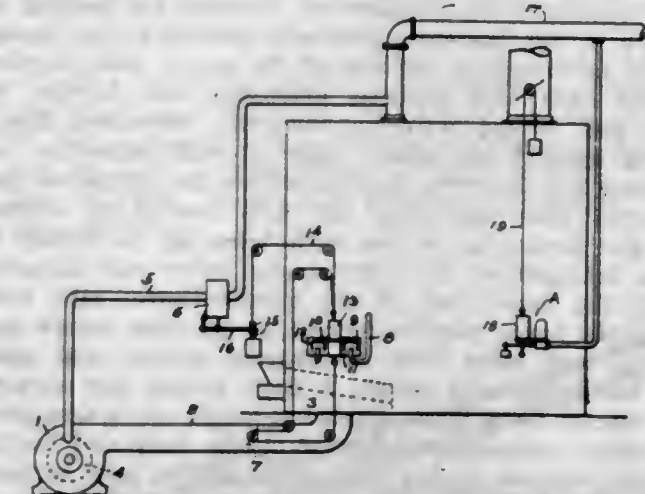


1. In an electrically insulating pipe section for interposition in a high-vacuum pipe line, the combination with a tubular pipe section composed of electrically insulating material connecting in a gas-tight manner the two pipe line sections to be electrically insulated from each other, of a plurality of thin screens each with an aperture, located in the interior of said insulating pipe section, the aperture in each screen being located out of line with the apertures in the next screen on either side.

1,516,423. PREPARATION AND SMELTING OF ORES, ROASTER RESIDUES, SLAGS, AND THE LIKE. LUDWIG HEINRICH DIEHL, Darmstadt, Germany. Filed Nov. 17, 1923. Serial No. 675,358. 6 Claims. (Cl. 75—18.)

1. The treatment of ores, slags or the like containing iron and zinc by smelting them in a furnace in presence of a chloride together with a proportion of calcareous base and coke in deficiency of that required to yield iron as a product of the furnace, and collecting the zinciferous material carried out of the furnace by the gases.

1,516,424. REGULATING COMBUSTION IN FURNACES. ROBERT R. DONALDSON, Jr., Wilkinsburg, Pa., assignor to John M. Hopwood, Pittsburgh, Pa. Filed Aug. 27, 1923. Serial No. 659,444. 3 Claims. (Cl. 236—15.)



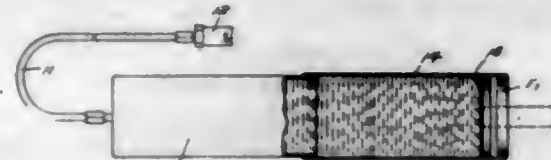
1. The combination of a furnace, means for supplying air for combustion to the furnace, means for regulating the delivery of air to the furnace and means for controlling the air supplying and delivery regulating means by and in accordance with changes of pressure of gases in the furnace.

1,516,425. INNERSOLE AND METHOD OF MAKING SAME. ABRAHAM DVILNSKY, Brockton, Mass. Filed Nov. 26, 1923. Serial No. 676,976. 3 Claims. (Cl. 36—22.)



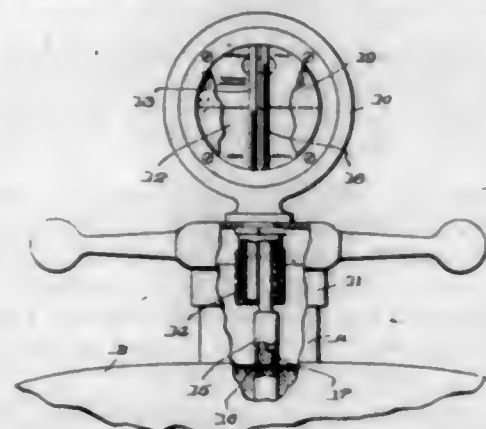
2. As a new article of manufacture, an innersole provided with a lip and having a channel cut in its outer side above said lip and at one side of a median line extending from toe to heel, and a wedge shaped member secured in said channel for the full length thereof.

1,516,426. MEANS AND METHOD OF STORING AND TRANSFERRING GREASE TO GREASE GUNS. HENRY E. ELAOD, Dallas, Tex. Filed Feb. 10, 1922. Serial No. 535,601. 3 Claims. (Cl. 206-56.)



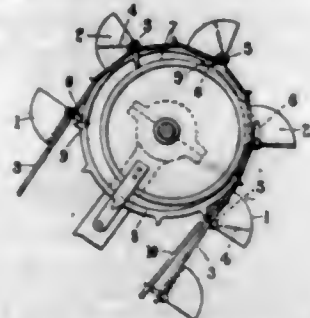
1. A grease container comprising a container body and a layer of material softer than said body arranged at the end thereof whereby said container may be connected to a grease gun or the like by screwing the same onto said gun.

1,516,427. TEMPERATURE AND WATER INDICATOR. WILLIAM H. GROWALL, Garrett, Pa. Filed July 23, 1923. Serial No. 633,363. 1 Claim. (Cl. 73-52.)



A combined temperature and water level indicator for motor vehicle radiators, comprising the combination with a radiator cap, of a body member having a reduced extension adapted for engagement through an opening in the cap, a nut screwed onto said extension and engaging the underside of the top of the cap, a shell member screwed onto said reduced extension and having its lower end formed with an inwardly extending flange bearing against the lower edge of said extension, an elongated metallic tube located within the extension and connected with the body, the tube having its bottom open and formed at its top with holes for the escape of air, a transparent tube having its lower end mounted within the upper end of the metallic tube, said body having its upper portion formed as an open frame covered at both sides with transparent plates, said glass tube traversing said frame, a float within the metallic tube carried by a stem slidable through the transparent tube and a thermometer carried by the body and having its bulb retained within said shell and its tube traversing the frame in spaced parallel relation to the said transparent tube.

1,516,428. ELEVATOR, DREDGER, EXCAVATOR, AND THE LIKE. GEORGE HANDLEY, Palmers Green, England. Filed Sept. 19, 1922. Serial No. 589,191. 8 Claims. (Cl. 198-144.)



1. An elevator bucket comprising a conveyor chain, a front wall and side walls rigidly mounted upon said conveyor chain, a back wall hinged to move between the

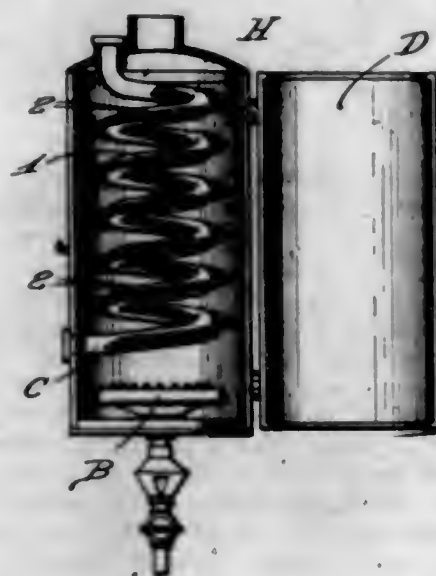
said side walls, means for mechanically moving the back wall to entirely sweep out material contained in the bucket, and means for mechanically moving the back wall to a position in which the bucket is ready to receive a new load.

1,516,429. SEWAGE DISTRIBUTOR. CYRIL J. HARTLEY and JOHN W. HARTLEY, Stoke-on-Trent, England. Filed Sept. 18, 1923. Serial No. 603,479. 5 Claims. (Cl. 299-49.)



1. Apparatus for filtering sewage or other liquor comprising a filter bed having a circular track, a central column on said filter bed, a radial distributing arm rotatably mounted on said column and bearing on said track, a radial balancing arm pivoted to said distributing arm and extending to the opposite side of said filter bed to said distributing arm, and sling ropes connecting said arms, said sling ropes being freely supported on said central column for the purpose of permitting said balancing arm to rise and fall as said ropes contract and expand under varying weather conditions, whereby said distributing arm may remain at constant level substantially as and for the purpose hereinbefore set forth.

1,516,430. WATER HEATER. CHRISTOPHER A. HESS, Erie, Pa. Filed Aug. 25, 1921. Serial No. 495,394. 2 Claims. (Cl. 122-367.)

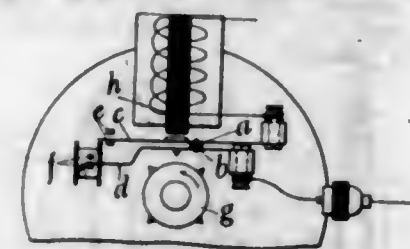


1. A fluid heating tube provided with external heat absorbing and conducting fins radiating therefrom, each of said fins being formed from a single length of wire bent into a series of coils, each coil being disposed substantially in a plane extending substantially longitudinally of the adjacent portion of the tube.

1,516,431. INTERRUPTER FOR USE IN ELECTRIC IGNITION SYSTEMS OF INTERNAL-COMBUSTION ENGINES. JOSEPH HIGGINSON, Stockport, England. Filed Feb. 5, 1923. Serial No. 617,083. 1 Claim. (Cl. 200-30.)

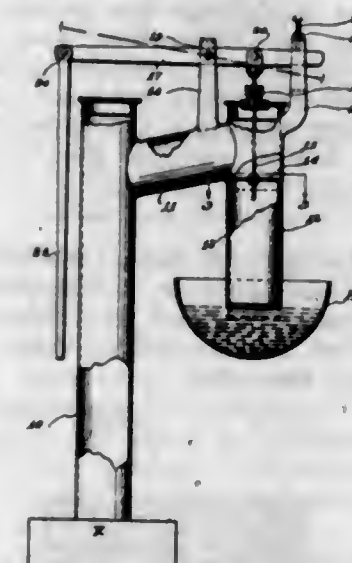
In interrupters for use in ignition systems of internal combustion engines, in combination, an electro-magnet, a contact arm attracted by said magnet, a stop limiting the movement of said contact arm away from said magnet,

a second contact arm, a stop limiting the movement of the said second contact arm towards the first contact arm, a cam moving said second contact arm against its



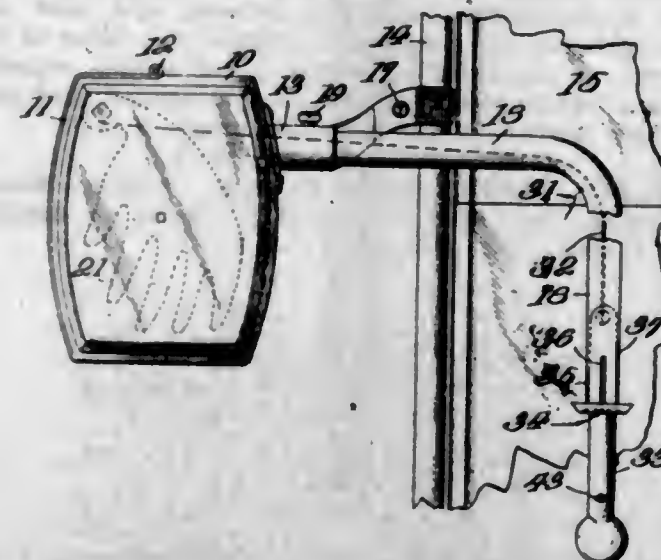
stop and in contact with the first contact arm and an electric circuit including the electro-magnet and the contacting points of said two contact arms.

1,516,432. DIP-PIPE CONSTRUCTION FOR THE HYDRAULIC MAIN OF A GAS PLANT. PETER J. HILLIARD, Canandaigua, N. Y. Filed Mar. 18, 1924. Serial No. 700,075. 2 Claims. (Cl. 48-172.)



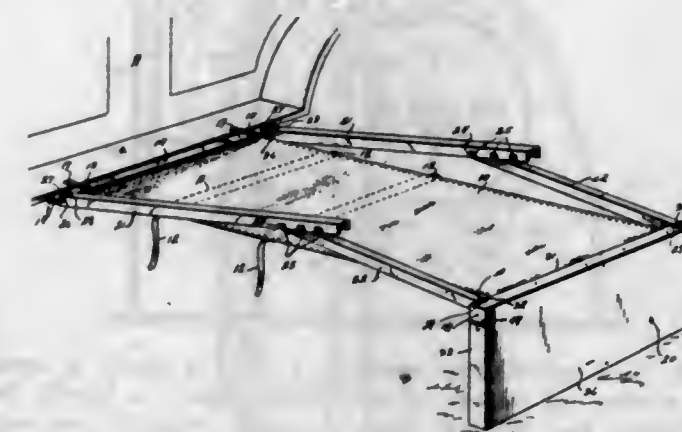
2. In combination with the hydraulic main of a gas plant, a dip pipe, a sliding seal for said dip pipe, a rod for operating said sliding seal, a lever for operating said rod, a guide for one end of said lever, comprising a channeled arm support mounted on said dip pipe, and an adjustable stop device for the lever associated with said guide.

1,516,433. AUTOMOBILE SIGNAL. CARL HOFFMAN, Allentown, Pa. Filed Mar. 31, 1923. Serial No. 629,142. 6 Claims. (Cl. 116-54.)



1. A traffic signal for automobiles, comprising a casing, a signal indicator comprising spaced, registering parts mounted in the casing, a spring for projecting the indicator from the casing, and means operating between the registering parts for controlling the action of the spring and for returning the indicator to the casing.

1,516,434. CONVERTIBLE BED, TABLE, AND LUGGAGE CARRIER FOR AUTOMOBILES. IRVING E. HOOGER, Moline, Ill. Filed Feb. 17, 1923. Serial No. 619,691. 6 Claims. (Cl. 5-119.)



1. A convertible bed attachment for automobiles comprising a length of fabric, a rectangular foot frame to which one end of the fabric is attached, a transverse bar attached to the opposite end of the fabric from the foot frame and extending beyond the fabric on each side, means on said bar whereby it may be engaged with the running board of an automobile, laterally disposed members formed for engagement with said bar at one end and with said foot frame at the other end and formed each in two sections longitudinally adjustable to stretch the fabric, said laterally disposed members having engagement with the foot frame and with the bar on each side of the fabric, the foot frame having means whereby it may be supported in a horizontal position to form the frame of a table or whereby it may be supported in a vertical position on the running board of the automobile.

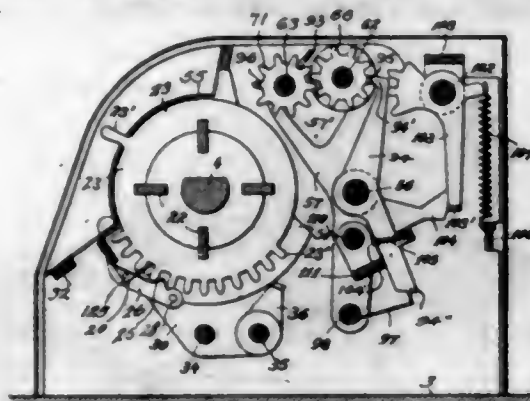
1,516,435. COAL-LOADING MACHINE. JOHN W. HOUGHTON and THURSTON W. MITCHELL, Huntington, W. Va., assignors to Steel Products Company, Huntington, W. Va., a Corporation of West Virginia. Filed Dec. 3, 1920. Serial No. 428,077. 13 Claims. (Cl. 198-10.)



1. In a loading machine of the class specified, the combination of wheeled supporting means, power generating mechanism, a conveyer organization including a lower reciprocating feeding means having flexible actuating devices, and reciprocating operating devices for said feeding means having rigid connecting devices adjustable longitudinally with relation to the reciprocating devices and attached to the upper terminals of said flexible devices to vary the stroke of the latter.

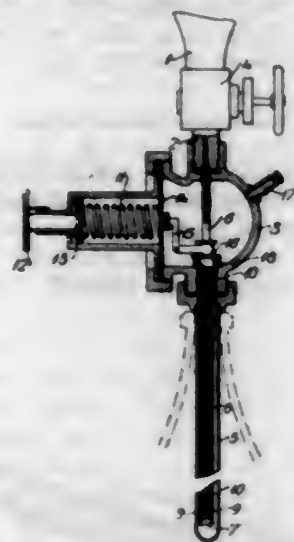
7. In a loading machine of the class specified, the combination of a conveyer mechanism including endless chain belts composed of links and bars disposed between the chain belts having projected bent ends to lie parallel with the inner sides of and directly connected to the chain belts by part of the fastenings for the links thereof, a pan over which the bars have movement, and means for operating the chain belts.

1,516,436. CALCULATING MACHINE. HANS HUBER, Zurich, Switzerland. Filed Apr. 26, 1922. Serial No. 556,747. 3 Claims. (Cl. 235-73.)



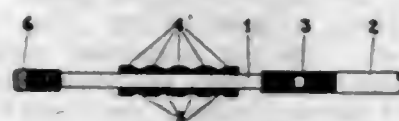
1. In a calculating machine, a driving shaft, a series of setting up wheels on the driving shaft, a handle for rotating the driving shaft, toothed segments on said setting up wheels, said setting up wheels being angularly adjustable in relation to said shaft, means for locking said wheels to the shaft when so adjusted, an additional shaft and counting wheels on said additional shaft so positioned that they may be moved into engagement with the locked setting up wheels and will be in engagement therewith during a portion of the revolution of the first named shaft which is determined by the adjustment of the setting up wheels.

1,516,437. SMALL REFRIGERATING MACHINE. KARL ERICH HUMPOLETZ, Vienna, Austria, assignor to the Firm of Enzesfelder Metallwerke Akt. Ges., Vienna, Austria, a Corporation of Austria. Filed Aug. 24, 1923. Serial No. 659,201. 6 Claims. (Cl. 62-8.)



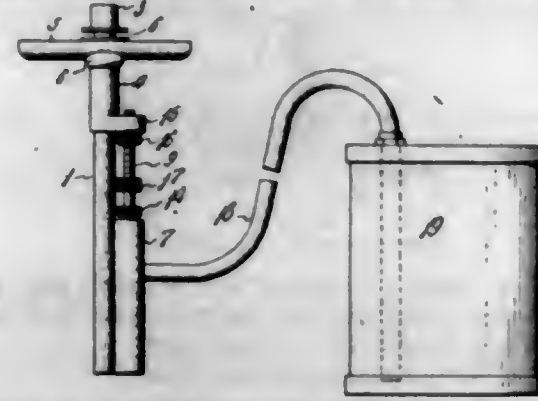
1. A refrigerating machine, comprising a casing, an evaporator depending therefrom, a tube extending through the casing and leading to the lower end of the evaporator, means for admitting a cooling medium to said tube, and means controlled by the pressure of the gases of evaporation in said casing for regulating the passage of said cooling medium through the tube.

1,516,438. IMPLEMENT FOR SCOURING RIFLED FIREARMS. FRANCIS REGINALD INSKIP, Melbourne, Victoria, Australia, assignor of one-half to Stanley Edwards, Melbourne, Victoria, Australia. Filed Apr. 28, 1923. Serial No. 635,315. 8 Claims. (Cl. 42-91.)



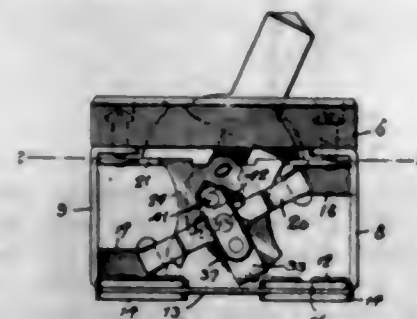
3. The combination in an implement for scouring rifled firearms, of a slide rod having end abutments, with slide-scouring collars positioned on the rod between slideable beveled washer-collars.

1,516,439. COMBINED CLEANING AND PAINTING DEVICE. FRED I. JADEN, Hastings, Nebr. Filed Nov. 7, 1923. Serial No. 673,346. 3 Claims. (Cl. 91-45.)



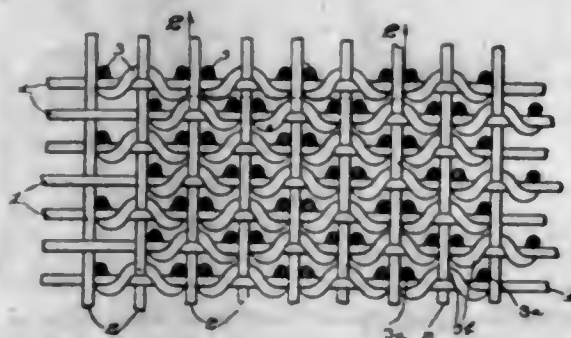
1. A device of the class described comprising a pair of tubes having parallel portions connected with each other with ports in said parallel portions placing one tube in communication with the other, a handle on the first tube, a part on the tube for opening the air valve of a chuck of an air supply device when the handle is drawn towards the chuck, a nozzle in the first tube adjacent the port therein, means for connecting the second tube with a source of supply and adjustable means for controlling the flow of material from the second tube into the first tube.

1,516,440. ELECTRIC SWITCH. GEORGE A. JOHNSON, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 9, 1922. Serial No. 580,673. 3 Claims. (Cl. 200-67.)



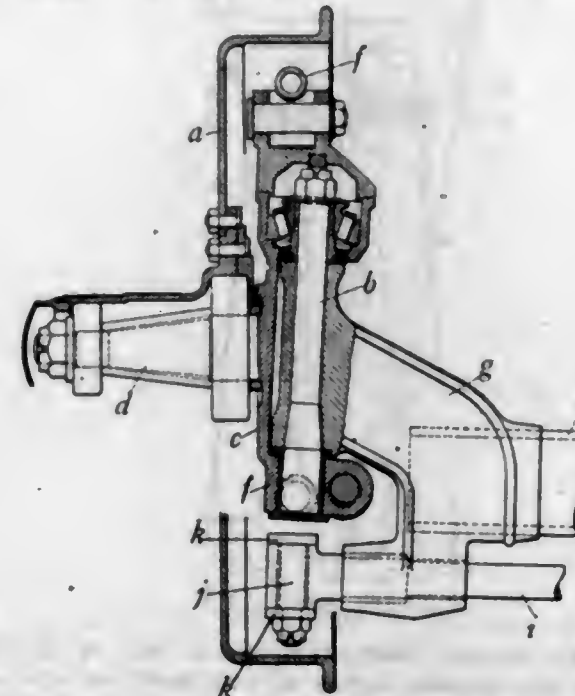
1. In an electric switch having a toggle spring mechanism, a switch frame comprising a plate, a pivoted switch-operating lever lying on one side of said plate, a switch bar carrier lying on the other side of said plate, said plate being apertured by a slot, a stud projecting through said slot from the switch carrier, and a lost-motion connection between said stud and the operating lever serving to initiate the throw of the carrier in the direction of the toggle action, together with a switch blade mounted on said carrier, said stud forming portion of the blade mounting.

1,516,441. WOVEN PILE FABRIC. SAMUEL KROSS, Chicago, Ill. Filed June 9, 1923. Serial No. 644,435. 2 Claims. (Cl. 139-399.)



1. A pile fabric having body warp and weft threads, the latter passing over and under alternate warp threads, pile tufts each passed under a weft thread and over and under and up alongside the warp thread under which said weft thread passes.

1,516,442. MOTOR ROAD-VEHICLE BRAKE. GEORGE HUMBERT LANCHESTER, Birmingham, England, assignor to The Lanchester Motor Company, Limited, Birmingham, England. Filed Mar. 3, 1923. Serial No. 622,625. 1 Claim. (Cl. 188-194.)



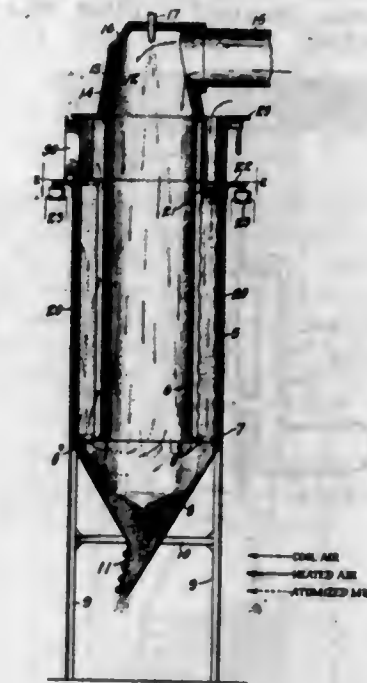
In a motor road vehicle steering wheel brake, the combination comprising a wheel pivot, a drum on the wheel, a pair of hinged brake members located within the drum, a substantially horizontal operating shaft, a stem rotatably mounted on said shaft with its axis in alignment or approximately in alignment with the pivot axis of the wheel, and heads at the ends of the stem located between the adjacent free ends of the brake members and adapted to operate the same, substantially as described.

1,516,443. PUSH SCREW DRIVER. GEORGE O. LEOPOLD, Philadelphia, Pa., assignor to North Bro's Mfg Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1923. Serial No. 612,126. 2 Claims. (Cl. 145-54.)



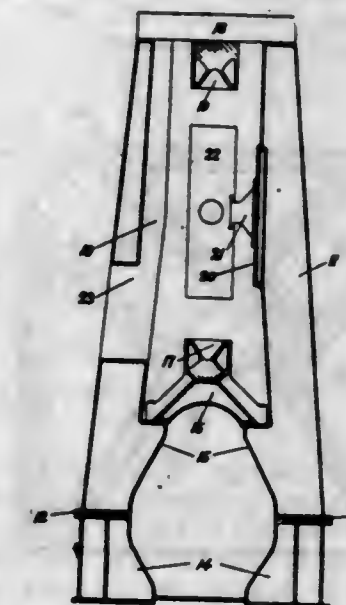
1. The combination of a push screw driver, of a type having a spirally grooved spindle and a nut on the spindle, of a slotted casing; a nut having ratchet teeth thereon and also having an annular groove; and a pawl bearing upon the wall of the slot in the casing and arranged to engage the teeth of the nut, said pawl having a tongue extending into the groove of the nut.

1,516,444. DRYING APPARATUS AND PROCESS. GERALD A. LOUGH, Plainfield, N. J. Filed May 10, 1921. Serial No. 468,368. 19 Claims. (Cl. 159-4.)



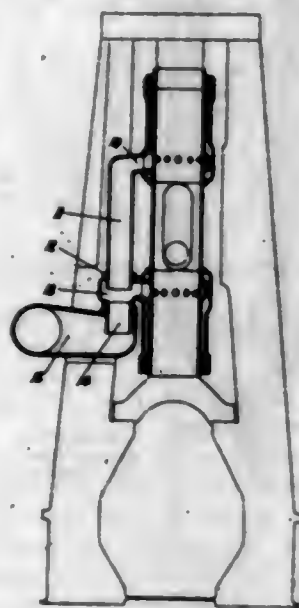
1. A spray drier for separating solids from liquids comprising a passageway for air, means to spray liquid into the current of air adjacent the point of admission, a stationary tubular screen through the walls of which the current subsequently passes to separate the evaporated materials therefrom, and means permitting a reverse current of air to pass through the tubular screen at intervals to free it from particles of solid matter adhering thereto, substantially as set forth.

1,516,445. TWO-STROKE CYCLE INTERNAL-COMBUSTION ENGINE. JOHN CAMPBELL MACCALL MACLAOGAN, Drumchapel, Scotland, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Filed Mar. 28, 1923. Serial No. 628,229. 2 Claims. (Cl. 123-61.)



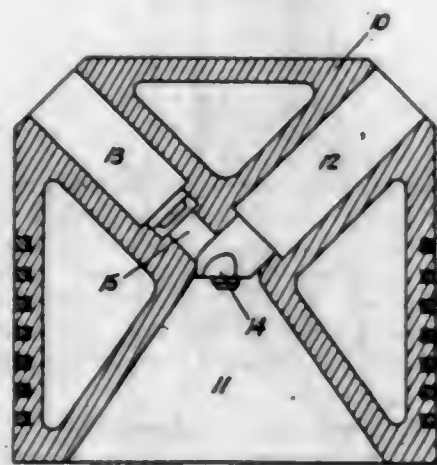
1. In a two-stroke cycle internal combustion engine unit in which the cylinder moves in two fixed heads, two columns in the same lateral plane as the piston, a bracket-like support towards the lower part of the columns, a lower combustion head, an entablature carrying said lower combustion head and supported on the column support, an upper combustion head, an overhead entablature carrying said upper combustion head and bolted on the top of the columns.

1,516,446. DOUBLE-ACTING TWO-STROKE CYCLE INTERNAL-COMBUSTION ENGINE. JOHN CAMPBELL MACCALL MACLAGAN, Drumchapel, Scotland, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Filed Mar. 28, 1923. Serial No. 628,230. 2 Claims. (Cl. 123-61.)



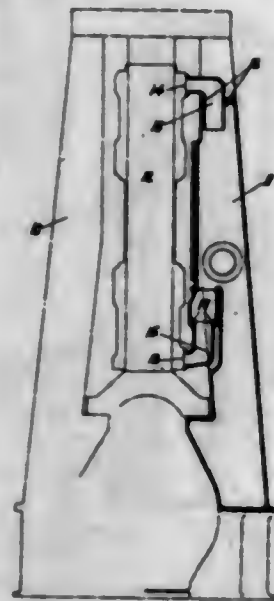
2. In a double-acting two stroke internal combustion engine, a movable cylinder having upper and lower exhaust ports, a dependant exhaust pipe leading from the upper exhaust port, an exhaust manifold leading from the lower exhaust port and into which the said dependant exhaust pipe extends in sliding relation to permit expansion of the said pipe, a stationary exhaust manifold, and a dependant exhaust pipe leading from the lower exhaust manifold into the stationary exhaust manifold and making a sliding joint therewith.

1,516,447. CYLINDER END OR COVER FOR INTERNAL-COMBUSTION ENGINES. JOHN CAMPBELL MACCALL MACLAGAN, Drumchapel, Scotland, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Filed Mar. 28, 1923. Serial No. 628,231. 2 Claims. (Cl. 123-191.)



2. In an internal combustion engine, a combustion head having a central aperture in the wall thereof, an air injection passage in the combustion head leading into the said central aperture, a fuel injection passage in the combustion head leading into the said central aperture, and a valve casing in the fuel injection passage having its end projecting into the central aperture, the said end having flattened sides to permit communication between the air injection passage and the central aperture.

1,516,448. INTERNAL-COMBUSTION ENGINE. JOHN CAMPBELL MACCALL MACLAGAN, Drumchapel, Scotland, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Filed Mar. 28, 1923. Serial No. 628,232. 2 Claims. (Cl. 123-61.)



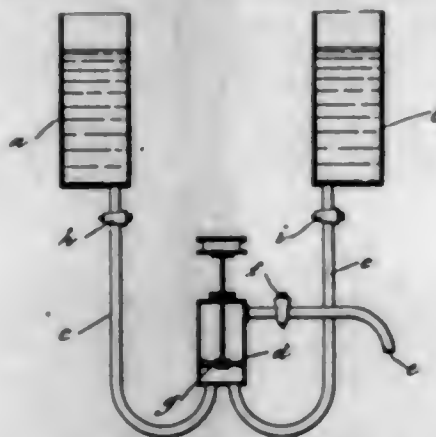
1. In an internal combustion engine unit of the type in which the cylinder moves on two fixed heads, a hollow supporting column serving as a receiver for compressed air, an inlet port in the cylinder and a manifold serving said ports and making sliding joint with the air containing column.

1,516,449. CIGARETTE AND CIGAR. GUY S. MICALIZZI, Washington, D. C. Filed Sept. 19, 1923. Serial No. 663,669. 1 Claim. (Cl. 131-52.)



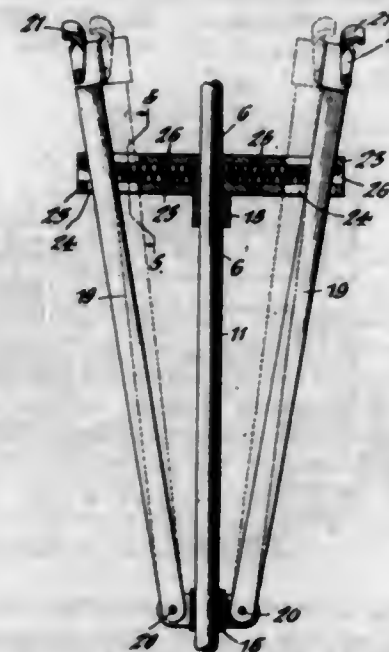
In an article to be smoked, a wrapper, a filler therein terminating short of the end of the wrapper, a disk of wood constituting a protector in the end of the wrapper lying against the filler, and igniting material inserted in the end of the wrapper and separated from the filler by the said disk.

1,516,450. MANUFACTURE OF INDOPHENOLIC BODIES. FRANK DOUGLAS MILES, Ayrshire, Scotland. Filed Dec. 27, 1923. Serial No. 633,022. 3 Claims. (Cl. 260-35.)



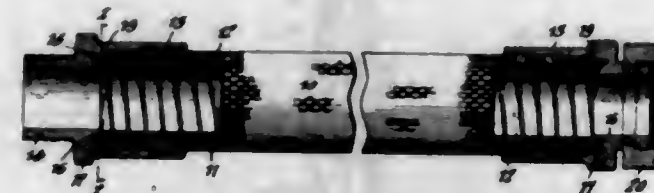
1. A process for the manufacture of indophenolic bodies, which consists in dissolving separately in sulphuric acid the bodies which are to react, causing the solutions to flow simultaneously into a reaction vessel in such proportion to each other as corresponds with their molecular content of the bodies which are to react, and vigorously stirring the contents of the said vessel so as to mix rapidly the incoming solutions.

1,516,451. BAG HOLDER. DANIEL MCKENZIE, Guelph, Canada. Filed Dec. 11, 1923. Serial No. 670,920. 4 Claims. (Cl. 83-26.)



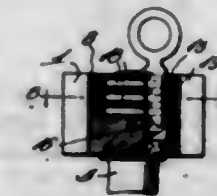
1. A bag-holder, comprising a standard, upper and lower guide heads adjustable lengthwise of said standard, bag holding arms arranged on opposite sides of said standard and fulcrumed at their lower ends on said lower head, the upper ends of said arms being guided directly on said upper head for lateral and longitudinal movement relative thereto, and means within said head and contacting with said arms for extending them to their expanded position.

1,516,452. COUPLING FOR GASOLINE HOSE. JOHN K. NEUSCHEL, Buffalo, N. Y., assignor of one-half to Duraflex Metal Hose Co., Buffalo, N. Y., a firm composed of William E. Dorries and Raymond E. Dorries. Filed Oct. 18, 1923. Serial No. 669,374. 3 Claims. (Cl. 285-72.)



1. The combination with a hose having a fabric cover and a metallic liner of spiral formation of a one-piece coupling attached to the end of the hose, said coupling having a tapered internally-threaded portion for engaging the cover of the hose and a contact seat arranged for engagement with the metallic liner of the hose, the threads of the coupling being opposite to the windings of the hose liner.

1,516,453. THEFT-PREVENTING DEVICE. GEORGE H. NICHOLS, Elkhart, Ind. Filed Oct. 15, 1923. Serial No. 668,771. 3 Claims. (Cl. 151-33.)



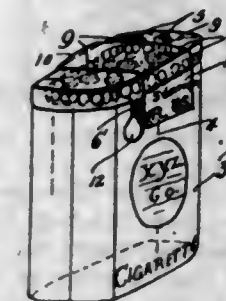
1. A nut comprising a body having a bore whose wall is formed with a continuous circumferential groove, an internally threaded sleeve rotatable in said bore and having a projection extending into said groove, and means carried by said body and movable into and out of said groove to abut said projection and thus connect the body and sleeve for rotation as a single unit.

1,516,454. AMPUL. STEPHEN ADAMS NORTON, East Orange, N. J., assignor to First Aid Specialty Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 4, 1924. Serial No. 704,147. 7 Claims. (Cl. 128-269.)



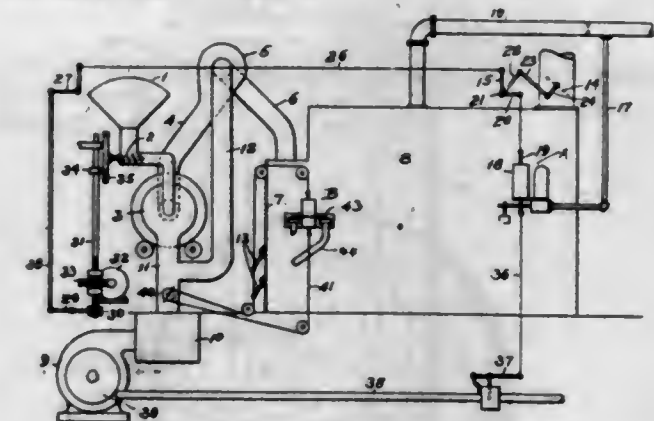
1. An ampul comprising a fragile capsule containing a substantially colorless liquid carrying a coloring element invisible in the liquid but visible upon evaporation of the liquid and an absorbent protective cover on said capsule whereby leakage of the capsule and absorption of the liquid by the cover will cause the coloring element to stain the cover and give indication of such leak.

1,516,455. DEVICE FOR OPENING SEALED PACKAGES. EUGENE PANZA, Springfield, Mass. Filed Nov. 28, 1923. Serial No. 677,382. 7 Claims. (Cl. 229-87.)



1. A sealed package provided with layers of wrapping material, means for removing the layers comprising a strip of material having strands, the strands being embedded into the said layers, whereby when the strip is pulled the layers will be torn or severed by the strip.

1,516,456. REGULATION OF COMBUSTION OF PULVERIZED FUEL. THOMAS A. PEBBLES, Pittsburgh, Pa., assignor to John M. Hopwood, Pittsburgh, Pa. Filed Aug. 27, 1923. Serial No. 659,446. 9 Claims. (Cl. 236-14.)

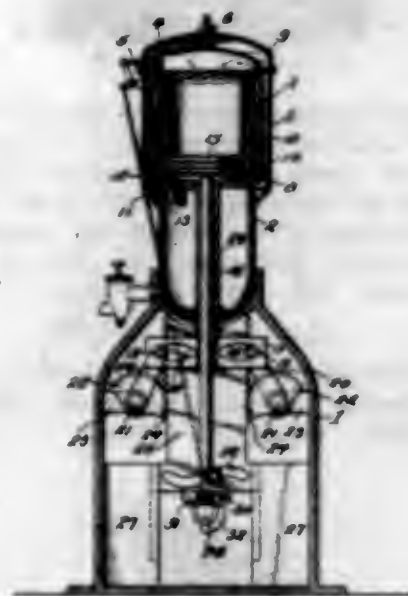


1. The combination of a vapor generator having a furnace, means for supplying pulverized fuel to said furnace controlled by and in accordance with the demand on the generator and by and in accordance with the pressure of gases in the furnace of the generator.

1,516,457. ENGINE. ALVAH L. POWELL, Roundup, Mont., assignor, by mesne assignments, to The A. L. Powell Power Company, Inc., Roundup, Mont., a Corporation of Montana. Filed Dec. 10, 1919. Serial No. 343,954. 10 Claims. (Cl. 123-50.)

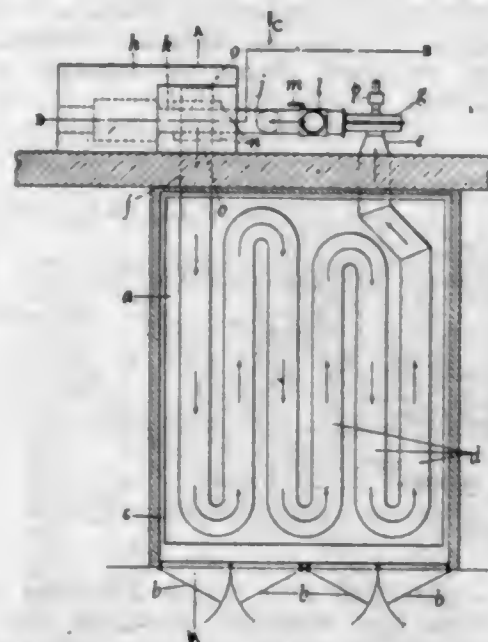
1. A two cycle engine comprising a power cylinder having a longitudinal passage in the wall thereof communicating at one end with the interior of the cylinder and

at its opposite end with the head of the cylinder, a supply connected to the lower portion of said cylinder, a reciprocating hollow piston arranged within the cylinder and provided with a port adapted for registration with the longitudinal passage when in one position, a valved



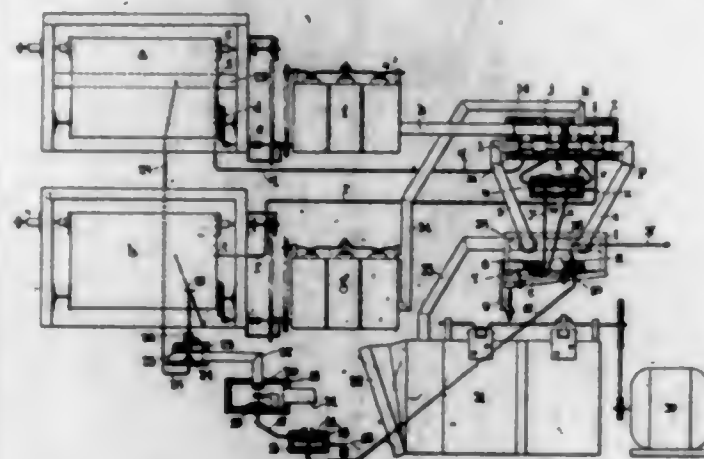
passage in the hollow piston for controlling communication into said piston from the base of the cylinder, and relatively movable means within the hollow piston for compressing a charge therein prior to the registration of the port within the hollow piston with the longitudinal passage.

1,516,458. HEATING STOVE OR OVEN FOR DRYING AND OTHER INDUSTRIAL PURPOSES. EDWARD PROCTER and HUGH WALTON, London, England. Filed Mar. 8, 1924. Serial No. 697,784. 3 Claims. (Cl. 34-19.)



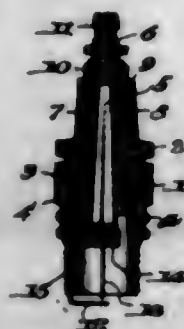
2. In stoves or ovens, the combination comprising a chamber, a pipe extending circuitously through said chamber and having its inlet and outlet ends on the exterior of the chamber wall, a blower with inlet connected to the outlet end of said circuitous pipe, a connection between the outlet of said blower and the inlet end of the circuitous pipe, a chimney, a lateral communication between the said connection and said chimney, a regulator for said communication, a furnace, and means admitting the gaseous products of combustion from said furnace to said connection, as set forth.

1,516,459. PIANO-PLAYER MUSIC AND MACHINE FOR PRODUCING SAME. REGINALD REYNOLDS, Barnes, London, England. Filed Aug. 23, 1920. Serial No. 405,421. 3 Claims. (Cl. 197-20.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



1. A marking machine for music player sheets, including a marking roll and a music sheet independent feeding means and a tracker bar for said music roll and for said music sheet, a series of marginal perforations in both roll and sheet, a duct in the tracker bar of said roll adapted to register successively with the individual marginal perforations in the marking roll and pneumatic means in connection with said duct adapted to arrest movement of the music sheet successively with its individual marginal perforations in register with a duct in the tracker bar of the said music sheet.

1,516,460. SPARK PLUG. JOSEPH A. ROGERS, Rumney Depot, N. H. Filed Oct. 14, 1922. Serial No. 504,444. 3 Claims. (Cl. 123-169.)



1. A spark plug including a counterbored shell, a core extending therethrough, and an insulating tube interposed between the shell and the core, said tube having a fusible material fused to one end thereof.

1,516,461. AUTOMOBILE BUMPER. JAMES H. SAGER, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed May 21, 1923. Serial No. 640,359. 5 Claims. (Cl. 293-55.)



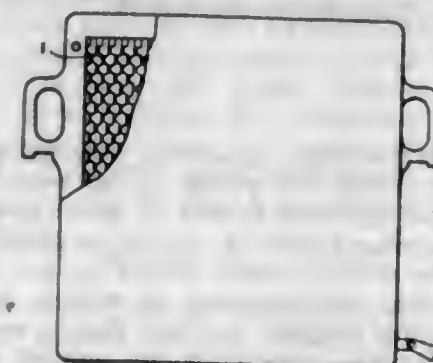
1. In combination with a channelled frame bar having a curved forward end, a bracket secured in said channelled frame bar and projecting therefrom in a downward direction and having a transverse opening through which the bolt of a spring shackle is adapted to be passed, said bracket having an integral projection extending upwardly therefrom in line with the channelled bar.

1,516,462. FASTENER. ANDREW SCHVARTZ, New York, N. Y., assignor to Hudson Jewelry Mfg. Co., Inc., New York, N. Y., a Corporation of New Jersey. Filed July 14, 1922. Serial No. 574,993. 6 Claims. (Cl. 24-75.)



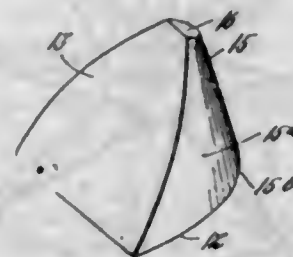
1. A buckle, comprising male and female members, the former provided with an anchoring element extending from and beyond the plane of the body of said male member, said female member provided with means for receiving said anchoring element and a bearing member for the latter, said anchoring element adapted to pass through said receiving means and rest with its ends against said bearing member, thus causing said male and female members to interlock.

1,516,463. SCREEN FOR FILTER PRESSES. ALEXANDER T. STUART, Toronto, Ontario, Canada. Filed Nov. 9, 1921. Serial No. 513,933. 3 Claims. (Cl. 210-195.)



1. In a plate for filter presses, the combination with a frame, of a plurality of blades of thin sheet material having their longitudinal edges spaced apart throughout the entire length thereof, the blades being deformed intermediate of their width to form spacers.

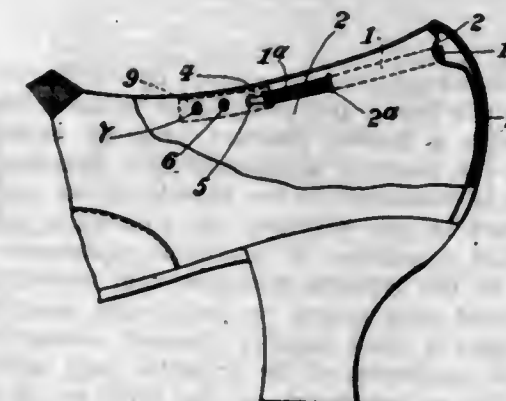
1,516,464. FULCRUM BLOCK FOR FOOT TREATMENT. GEORGE C. TAPLIN, Brookline, Mass. Filed Mar. 3, 1924. Serial No. 696,488. 3 Claims. (Cl. 128-69.)



1. A resilient fulcrum block for foot treatment, having two flat faces arranged at different angles, so that either may constitute a flat base face adapted to stably support the block, and an intermediate arched face intersecting marginal portions of the flat faces, so that the block has a plurality of fulcrum portions, each adapted to support and permit flexure of a human foot, and each differing in form from the others, one of said fulcrum portions being elongated and formed at the intersection of the flat faces, some of said fulcrum portions being formed to permit relatively abrupt flexures, while another fulcrum portion, formed by said arched face, is

adapted not only to permit less abrupt and more extended flexures, but also to constitute a rocking base face supporting the elongated fulcrum portion in a raised position and permitting various inclinations thereof.

1,516,465. SHOE. THOMAS DENNISON and DAVID KERNOHAN, Belfast, Ireland. Filed July 5, 1923. Serial No. 649,601. 3 Claims. (Cl. 36-58.5.)

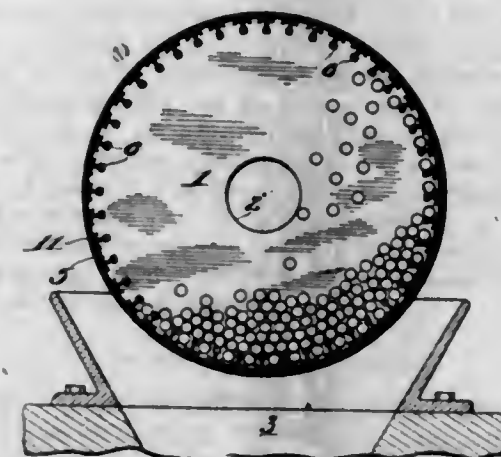


1. The combination with a shoe of a heel-grip for a shoe comprising an elastic member located behind the inside lining of the shoe at the heel portion thereof and unattached to the back of the heel portion of the shoe, and means whereby an end of the said member can be detachably and adjustably connected to the side of the shoe to enable the member to be placed under different degrees of tension.

1,516,466. METHOD OF IMITATING LEATHER BY PAINT PROCESS. ERVIN GAGE, Taft, Calif. Filed Sept. 5, 1923. Serial No. 661,103. 2 Claims. (Cl. 91-68.)

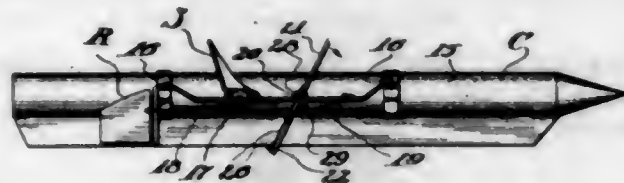
1. The method of producing imitation leather finish on surfaces comprising, applying a coat of paint to the surfaces to be finished, permitting the same to dry, applying a "printing" coat of slow drying paint, and applying to the "printing" coat while still wet, a folded flexible fibrous sheet to produce ridges simulating natural leather surface.

1,516,467. SCREENING BALL MILL. JOHN HERMAN, Los Angeles, Calif. Filed Jan. 7, 1924. Serial No. 684,808. 1 Claim. (Cl. 83-9.)



In a screening ball mill, a base screen forming a cylinder, railroad rails fitting against the inner face of the base screen and extending longitudinally, portions of the bases of the rails being riveted to the base screen and the remaining portions of the bases being bent inwardly away from the base screen, and the rails being so spaced apart that the balls will not pass between the rail bases.

1,516,468. BOAT PROPELLER. JACOB LOOSEN, Long Beach, Calif. Filed Nov. 16, 1923. Serial No. 675,105. 2 Claims. (Cl. 115-28.)

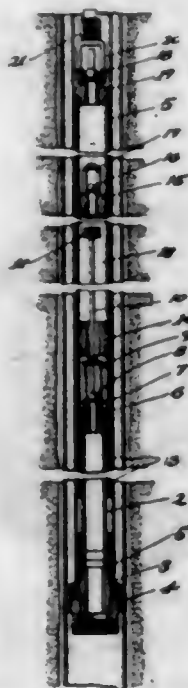


1. A propeller adapted to operate by oscillation while submerged in a liquid and comprising an operating lever provided with a frame, shutters hingedly mounted on the frame, the shutters being relatively free to present a minimum of resistance to the passage of the liquid during oscillation in one direction, but adapted to float into and maintain a position of maximum resistance during oscillation in the opposite direction, said operating lever being provided with means for detachably mounting the propeller upon a fixed support disposed transversely to the plane of oscillation of the propeller, said means comprising hooks so positioned on the lever as to provide for change of the ratio of movement between the frame and the opposite end of the lever.

1,516,469. BASE TABLET FOR SOUND RECORDS. JOHN STROTHER MILLER, Jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Dec. 13, 1921. Serial No. 522,128. 6 Claims. (Cl. 106-1.5.)

1. A base tablet for sound records composed of an intimate and even admixture of fibrous material with a bituminous binder having a melting point of not less than 250° F., tough and strong, and adherent to an overlay of thermoplastic record material.

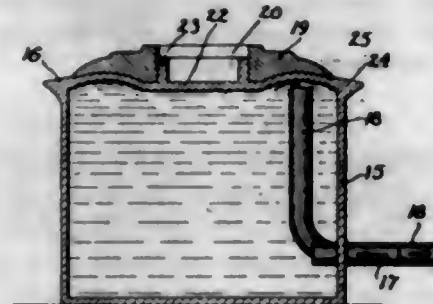
1,516,470. PUMP PLUNGER. WILLIAM B. ROBB and ALVA HUNTER, Bakersfield, Calif. Filed July 28, 1922. Serial No. 578,088. 1 Claim. (Cl. 103-180.)



A plunger pump comprising a shoe, a standing plunger section extending upwardly from the shoe, a standing valve at the upper end of the standing plunger section, a plunger shell having a lower section telescoping upon the standing section, an inside coupling in the upper

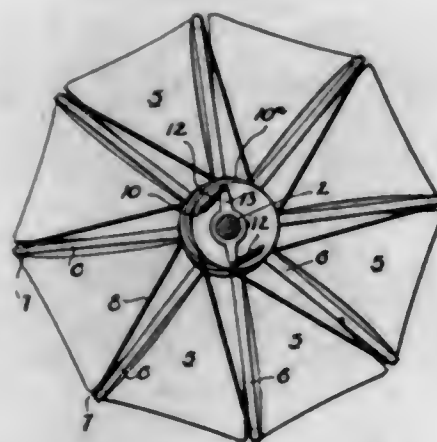
end of the lower section, a second plunger shell connected to the inside coupling, a stem extending from the standing valve through the inside coupling, a cross head upon the stem to engage the inside coupling and lift the standing valve, a second inside coupling connected to the second plunger shell, a plunger valve carried by the second inside coupling, a third plunger shell connected to the second inside coupling and a plunger valve connected to the upper end of the third plunger shell and adapted to be connected to a sucker rod.

1,516,471. APPARATUS FOR WELDING METAL. CHARLES H. STODY, WINSTON F. STODY, and SHELLEY M. STODY, Whittier, Calif. Filed Dec. 22, 1922. Serial No. 608,460. 7 Claims. (Cl. 219-8.)



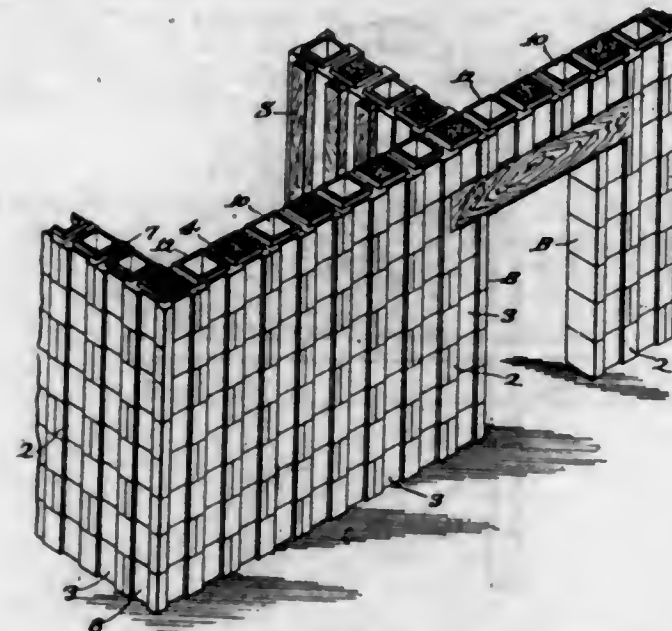
1. An electric welding apparatus comprising a tank electrode upon which the article to be welded is supported, a second electrode formed of metal and adapted for arcing engagement with the article to deposit molten metal upon the article, means formed on the first electrode for limiting the spreading of molten metal, and upstanding means formed on the first electrode for centering the article thereon for the purpose described.

1,516,472. WINDMILL. ARTHUR BEATY, Alhambra, Calif. Filed Mar. 2, 1923. Serial No. 622,312. 4 Claims. (Cl. 170-60.)



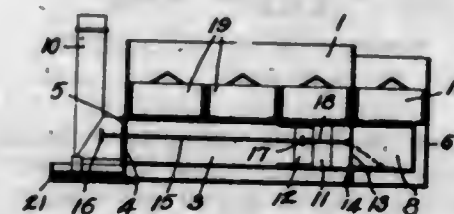
1. A windmill wheel comprising, in combination, a main power shaft, a wheel hub secured thereon and having a plurality of radially extending spoke-like masts, a sail connected to each mast, said ropes for the sails, and means yieldingly mounted on the shaft and to which the ropes are attached for automatically maintaining the sails in tensioned condition under varying pressure of wind on the sails.

1,516,473. INTERLOCKING BUILDING TILE. MORRIS A. DAVIS, Los Angeles, Calif. Filed June 7, 1923. Serial No. 643,927. 6 Claims. (Cl. 72-41.)



1. A building block having its longitudinal side faces provided with pockets from top to bottom, one end of the block being provided with an interlocking rib and the other end with a seat to receive a contiguous rib of an adjacent block in a wall course, each of said pockets being capable of receiving said contiguous rib, interlocking, tenon-like beads upon one longitudinal face of the block, and the opposite, longitudinal face having counter-sunk seats to receive the tenon-like beads of a contiguous block.

1,516,474. CANNING APPARATUS. ALFRED DENIS, Montreal, Quebec, Canada. Filed Sept. 24, 1923. Serial No. 664,459. 4 Claims. (Cl. 126-344.)

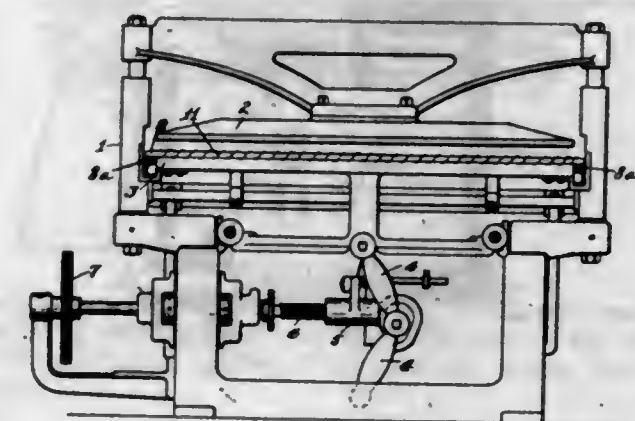


1. A canning apparatus comprising a boiler; an extension casing secured to said boiler; a furnace casing secured in said boiler and extension casing and having bottom, side and top portions; a flue in said boiler arranged parallel to and connected to said furnace casing in the extension casing; a right-angled flue connecting said furnace casing and said first-named flue together; a door hinged to the bottom portion of said furnace casing adapted to shut off that part of the furnace casing which projects into said extension casing; a sliding door secured to the side portion of the furnace casing and adapted to close the opening into the right angular flue; trays arranged on the top portion of the said casings; and means for operating said doors.

1,516,475. PRESSING MACHINE. DANA H. BENJAMIN, Cleveland Heights, Ohio, and JAMES P. MCCARTHY, Chicago, Ill., assignors to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Apr. 3, 1918. Serial No. 226,503. 6 Claims. (Cl. 68-9.)

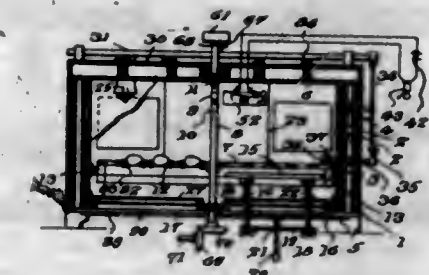
1. In a pressing machine, a frame, relatively movable upper and lower pressing members between which

the work is pressed, the upper member being heated and unpadding, and a woolen layer supported for arrangement between the upper pressing member and the work



on the lower pressing member to contact with the upper surface of the work and avoid imprint thereon or discoloration thereof due to heat and pressure.

1,516,476. AUTOMATIC INCUBATOR. JACQUES PERROT, Liguge, France. Filed June 26, 1924. Serial No. 722,583. 8 Claims. (Cl. 119-37.)

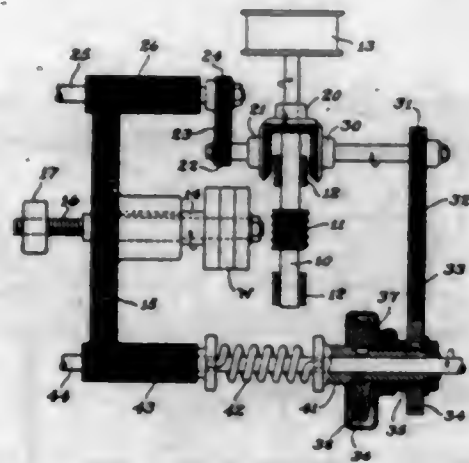


1. In an incubator, the combination of a closed case, a platform member arranged in the case, an egg supporting member arranged in the case above the platform member and provided with slots dimensioned so as to support the eggs and allow them to extend below the supporting member a certain distance, said members being normally spaced a sufficient distance apart to prevent the eggs from contacting with the platform member and to allow circulation of air all around the eggs, means for moving one of said members toward and away from the other member to contact the eggs with the platform member, means for moving one of said members in a horizontal plane to cause the eggs to roll on the platform member, and a heating device for furnishing heated air to the interior of the closed case.

1,516,477. LOST-MOTION-COMPENSATING MEANS FOR GEAR-HOBGING MACHINES. JOSEPH K. SCHOFIELD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 14, 1922. Serial No. 594,506. 10 Claims. (Cl. 90-4.)

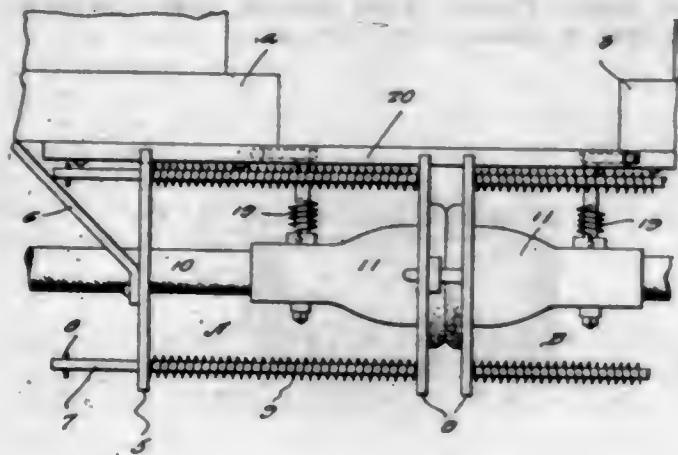
1. A gear hobbing machine having cooperating mechanism comprising, a work supporting and rotating spindle, a rotatable hob supporting means comprising a second spindle, a hob thereon, driving means for said hob spindle and work spindle, two driving connections be-

tween said spindles, the ratio of said driving connections being the same, and means to force one of said driving



connections in advance of the other to eliminate the effects of lost motion between members of the driving connections.

1,516,478. AIR-HOSE COUPLING FOR CARS. JOSEPH A. SQUIN, Winoski, Vt. Filed Nov. 19, 1923. Serial No. 675,616. 1 Claim. (Cl. 244-5.)

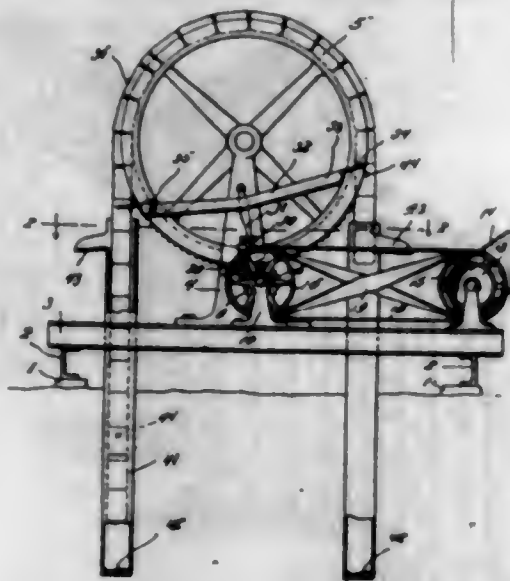


In an air hose coupling, a pair of coupling heads each comprising a relatively stationary plate, a movable plate carrying pins slidably connected therewith, springs surrounding the pins and interposed between the inner faces of the plates, an air hose line, and coupling heads supported by said plates, a control valve included in said hose line, said valve having a stem on one end of which is an operating handle disposed in a plane with the upper edges of said plate, the upper edges of the plate being provided with notches and a relatively stationary valve handle engaging rod projectible through said notches, and cooperating pin and socket means on the abutting plates of the relative coupling members for preventing relative lateral shifting of said plates.

1,516,479. WATER PUMP. RALPH B. STRONG, Red Lake, N. Mex. Filed Feb. 19, 1924. Serial No. 693,793. 2 Claims. (Cl. 103-1.)

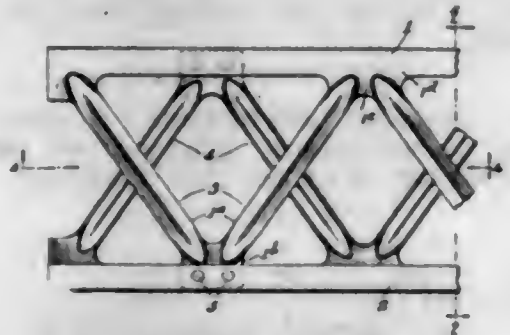
1. A water pump comprising a frame, a pair of spaced pump casings mounted in the frame and extending below the frame into a body of water, a flanged wheel member rotatably mounted on said frame, a flexible plunger element having the intermediate portion thereof carried by the flanged wheel member and adapted to have the opposite ends alternately lowered into said pump casing for placing the water therein, a continuously rotating power element mounted on the frame, an operating shaft rotatably mounted on the frame having

a connection with the flanged wheel for rotating the same, means for connecting the power element with the operating shaft for alternately reversing the rotation of



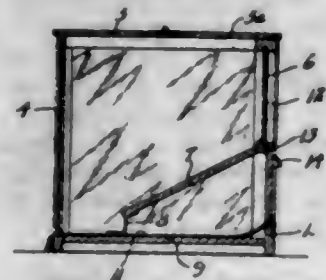
said operating shaft, and means carried by the plunger element for controlling the operation of the means for controlling the rotation of the operating shaft.

1,516,480. BEAM. HERBERT L. WHITTEMORE, New York, N. Y., assignor to the Government of the United States. Filed Apr. 10, 1918. Serial No. 227,052. 21 Claims. (Cl. 244-31.)



1. An element for beams, consisting of a channel having lattice work formed integral therewith, and projecting at an angle to the web of said channel, said element being formed of a single piece of sheet metal.

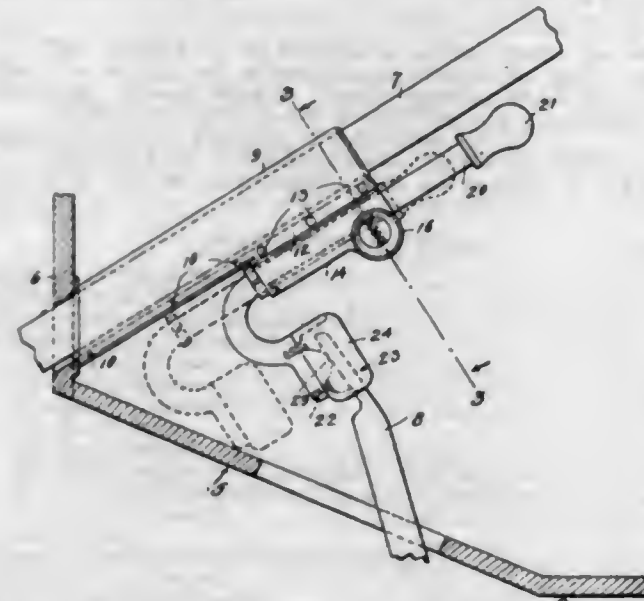
1,516,481. COFFEE-DISPLAY CASE. HERBERT R. BOWN, Minneapolis, Minn. Filed Dec. 13, 1923. Serial No. 680,356. 2 Claims. (Cl. 211-9.)



1. A display case for loose or granular material having in combination, a main chamber having a rear opening therein adjacent its bottom, means for directing the bulk of the material forwardly away from said opening, a vertically slidable door at the rear of said case adapted to close said opening and having an inwardly beveled lower edge, a rear wall section extending above the bottom of said chamber having an outwardly beveled upper

edge and a member of smooth sheet material extending across the bottom of said chamber and inclined up and over said upper edge of said rear wall section, the lower edge of said door seating on said sheet whereby any material dropped adjacent the lower part of said opening, will slide back into the chamber, a tight closure of said door against said sheet will be maintained, and a rear bottom corner eliminated.

1,516,482. AUTOMOBILE OPERATING LEVER LOCK. GRANVILLE H. GRAY, Santa Ana, Calif. Filed Apr. 1, 1922. Serial No. 548,714. 2 Claims. (Cl. 70-128.)

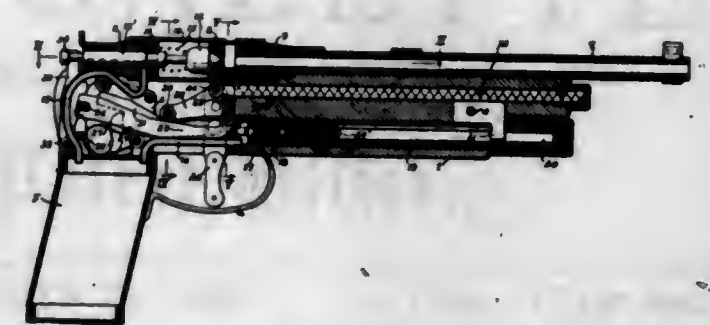


1. In combination with an operating pedal of an auto vehicle, of a stationary member mounted adjacent said pedal, a pedal engaging member slidably mounted on said stationary member adapted to detachably engage the operating pedal to prevent a movement thereof, and means mounted on said stationary member for locking said sliding member in its pedal engaged position.

1,516,483. PNEUMATIC GUN. BRUNO A. KRAFFT, San Francisco, Calif. Filed Nov. 26, 1921. Serial No. 517,864. 18 Claims. (Cl. 124-8.)

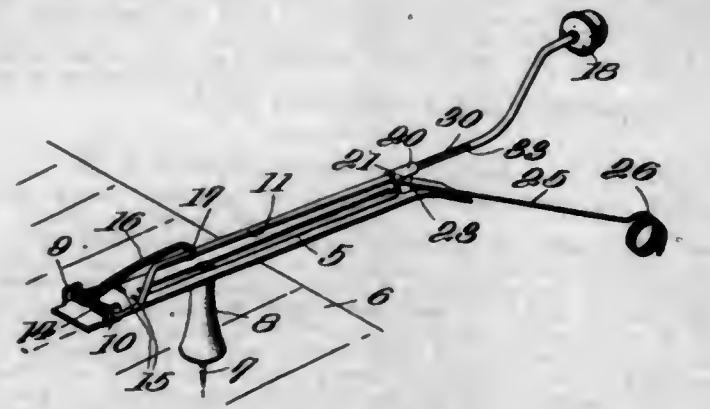
1. An air gun comprising a barrel, a reservoir, a supplemental chamber rigidly connected with the barrel and forming a continuation thereof, a valve controlling communication between the supplemental chamber and the

barrel, means for conducting air from the reservoir to the supplemental chamber, a shot magazine, means for transferring shot from the magazine to the barrel, a



manually actuated operating device, and means operated solely by actuation of said operating device for successively actuating said shot transferring means and said valve.

1,516,484. SIGNALING DEVICE. JOSEPH L. MESZAROS, Chicago, Ill. Filed June 20, 1924. Serial No. 721,346. 3 Claims. (Cl. 43-17.)



1. A signal for fishermen comprising a base plate having attaching means, the rear portion of the plate being provided with ears, an arm having its rear portion off set and having a laterally directed pivot member extended through said ears, a spring mounted on said pivot member and engaged with said arm to urge the same rearwardly, a sleeve mounted for limited sliding movement on said arm and having a trigger to engage said base plate, a lever pivoted to said trigger and fulcruming on the forward end of said base plate, said lever being adapted for engagement with a fishing line, and a signal mounted on the forward portion of said arm.

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CONTENTS.	Page.
ISSUE OF NOVEMBER 25, 1924.....	777
INTERFERENCE NOTICES.....	777
APPLICATIONS UNDER EXAMINATION.....	778
COMMISSIONER'S DECISIONS—	
Ex parte Shively.....	779
Ex parte Egerton.....	780
Campbell v. Jackson.....	781
Ex parte Leber.....	783
Ex parte Morgan.....	783
Ex parte Standard Oil Company (New Jersey).....	785
A. E. Wright Company v. The Bar-A-Lee Company.....	787
Ex parte Comstock.....	788
PATENT SUITS.....	789
ADVERSE DECISIONS IN INTERFERENCE.....	790
ADJUDICATED PATENTS.....	790
NOTICES OF CANCELLATION.....	790
DECLINER.....	790
TRADE-MARKS PUBLISHED (ISS APPLICATIONS).....	791
TRADE-MARK REGISTRATIONS GRANTED.....	818
TRADE-MARK REGISTRATIONS RENEWED.....	832
LABELS.....	833
PRINTS.....	833
REISSUES.....	835
DESIGNS.....	836
PATENTS GRANTED.....	846

Issue of November 25, 1924.

Trade-Marks.....	322—No. 191,917 to No. 192,238, inclusive.
T. M. Renewals.....	1
Labels.....	15—No. 27,884 to No. 27,908, inclusive.
Prints.....	2—No. 7,502 to No. 7,509, inclusive.
Reissues.....	4—No. 15,962 to No. 15,965, inclusive.
Designs.....	54—No. 66,083 to No. 66,108, inclusive.
Patents.....	755—No. 1,516,485 to No. 1,517,239, inclusive.
Total.....	1159

Interference Notices.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.

Clarence May, his assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Allen-Qualley Company, Sixth and Broadway, St. Paul, Minn., for registration of a trade-mark and trade-mark registered November 15, 1921, No. 148,476, to Clarence May, 3112-3116 Cottage Grove Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said May at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said May, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 6, 1924.

Gilbert Toilet Company, its assigns or legal representatives, take notice:
An interference having been declared by this Office between William P. Plato, 317 West Berks Street, Philadelphia, Pa., for registration of a trade-mark and trade-mark registered May 19, 1914, No. 97,135, to Gilbert Toilet Company, Beatrice, Nebr., and a notice of such declaration sent by registered mail to said Gilbert Toilet Company

at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Gilbert Toilet Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 12, 1924.

The heirs, assigns, or legal representatives of Henry Maus, deceased, take notice:
An interference has been declared by this Office between the application of Nicholas Theodore, 10307 Superior Street, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered May 19, 1908, No. 66,046, to Henry Maus, 355-367 Twelfth Street, New York, N. Y. It appearing from the record that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of Henry Maus, deceased, that if they or any of them desire to contest the said interference proceeding they should immediately put themselves in communication with the Commissioner of Patents. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. If no appearance shall have been entered at the expiration of the period of publication, the interference will proceed as in case of default.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

Lady Fair Gown Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between Frank Schneider, 118 Madison Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered December 21, 1920, No. 138,283, to Lady Fair Gown Co., 1029 South Wabash Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Lady Fair Gown Co., at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Lady Fair Gown Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

The Longwood Laboratories, Incorporated, its assigns or legal representatives, take notice:
An interference having been declared by this Office between the applications of Roy L. Schrader, 4520-4 Adelaide Street, St. Louis, Mo., and George Sielisch, 4007 Southport Avenue, Chicago, Ill., for registrations of trade-marks and trade-mark registered May 8, 1917, No. 116,534, to The Longwood Laboratories, Incorporated, Kingston, N. Y., and a notice of such declaration sent by registered mail to The Longwood Laboratories, Incorporated, at the said address having been returned by the post office as undeliverable, notice is hereby given that unless The Longwood Laboratories, Incorporated, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Condition of Applications Under Examination at Close of Business November 14, 1924.

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 23	June 20	954
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	May 6	May 14	742
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Sept. 22	Sept. 17	247
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Apr. 23	July 9	819
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Apr. 26	Apr. 28	980
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Apr. 11	Apr. 26	1,067
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	May 31	June 6	1,409
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	July 8	Aug. 6	1,290
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	May 23	Sept. 19	574
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	May 22	July 19	1,332
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Aug. 4	Aug. 1	831
380	12. PIERCE, F. P., Machine Elements.	June 24	June 17	898
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horsehoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Apr. 2	May 1	1,073
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriers; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire, Fabrics and Structure; Wire Working.	June 2	Sept. 9	496
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	May 7	May 15	1,321
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Apr. 17	Apr. 30	1,344
307	17. RARTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 15	Aug. 1	796
226	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 18	Mar. 17	1,225
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 2	Aug. 19	810
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	May 5	May 15	1,182
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	May 6	Aug. 30	561
106	22. COLWELL, J. H., Aeronauntics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Apr. 17	Apr. 21	1,078
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanism.	May 31	May 31	479
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	May 21	May 31	812
315	25. LIOHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 18	Sept. 4	687
229*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Mar. 18	May 8	798
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 28	June 5	990
225	28. BENSON, R., Internal-Combustion Engines.	May 23	June 14	1,054
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Apr. 18	May 5	1,172
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	May 15	June 30	1,206
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	May 15	May 21	980
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	May 17	May 17	834
153	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	June 24	June 27	1,094
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	June 24	June 17	697
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Aug. 22	Aug. 25	643
165	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	May 23	May 21	1,511
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 28	May 5	1,590
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	May 29	May 24	1,068
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	June 3	June 16	626
289	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Apr. 4	July 19	1,893
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Apr. 17	June 16	649
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Mar. 17	Apr. 7	1,503
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Apr. 3	Apr. 14	1,185
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Apr. 23	Apr. 21	1,051
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	May 9	Apr. 30	825
233	46. WOLCOTT, O. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Apr. 3	Apr. 11	1,014
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	May 2	May 9	1,432
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Apr. 1	Apr. 1	1,945
229	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	May 14	May 24	926
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Apr. 2	Apr. 5	1,721
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Apr. 28	Apr. 25	2,203
144*	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	June 23	July 22	762
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 22	Apr. 28	1,371
102	Designs: C. O. MARKHAM (Acting).	Oct. 10	Oct. 15	594
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Oct. 15	Oct. 28	1,647
		Aug. 22	Aug. 23	651

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE SHIVELY.

Decided December 31, 1923.

1. AMENDMENTS AFTER FINAL REJECTION—ENTRY OF— PETITION FROM REFUSAL TO ENTER.

It is not the practice to have hearings on petitions of this character.

2. SAME—SAME.

Where after final rejection the applicant presents an amendment proposing to amend the specification and substitute claims without any showing why the amendment was not earlier presented, *Held* that the amendment should not be entered.

3. SAME—SAME—EXCUSE FOR DELAY.

Where after final rejection the applicant presented claims going back to a feature covered by claims originally presented and embodying limitations apparently having no basis in the case as originally filed, *Held* that the record does not exhibit a groping for language to correctly set forth the invention or explain why the claims of the amendment were not earlier presented.

(Note.—This application has resulted in Patent No. 1,482,325, January 29, 1924.)

ON PETITION.

Mr. R. S. Trogner for the applicant.

ROBERTSON, Commissioner.

Petition is taken that the Primary Examiner be advised that the amendment presented March 1, 1923, is such action as the case required and should be entered. A hearing is requested on this petition.

[1] As it is not the practice to have hearings on petitions of this character and as the applicant has filed an extended brief in support of the merits of the petition, the request for a hearing is denied.

[2] The record shows that on September 20, 1922, final rejection was given the claims. An amendment was presented March 1, 1923, proposing to amend the specification and substitute three claims. No showing was presented with the amendment, verified or otherwise, as to why amendment was not earlier presented; but a long argument was made in support of the insertion of the amendment and the patentability of the new claims.

The Examiner on May 14, 1923, held that the proposed amendment was not such an action as the condition of the case required and refused to enter it.

With the petition are presented affidavits by the inventor and by the attorney, and a brief is also filed. Certain points made in the brief will be discussed here briefly.

First, as to the showing why the amendment was not earlier presented: The affidavit of the attorney admits that the amendment of March 1, 1923, contains claims of somewhat different scope from those canceled, but alleges they cover the invention

in the manner sought for throughout the prosecution. The brief recites that the applicant regrets that claims of the scope embodied in the proposed amendment were not presented earlier in the history of the case, and says that although the applicant tried diligently he did not produce the proper action until the case was finally rejected; that it was only after repeated efforts—

and the result of groping and searching about for the proper method of defining the invention in such manner as to distinguish clearly from the prior art that the claims in the proposed amendment were arrived at.

This contention is believed not to be fortified by the record. Original claims 1 and 3 were drawn to a feature of the invention made the subject of the claims in the amendment of March 1, 1923. These claims were rejected on references by the Examiner in his first action, and in the first amendment by the applicant the language of none of the claims was changed, but an argument was made in support of the original claims. The claims were again rejected in Office action of August 4, 1921, and the next amendment presented two substitute claims to the combination of parts covered by original claims 2 and 4 which comprised the tire-reinforcing feature together with the surface protuberances, which latter were for preventing skidding of the tire. These claims were rejected on the references previously used, together with a design patent cited to show the particular nonskid protuberances. An amendment was presented on July 31, 1922, containing three substitute claims, two of which merely covered a tire with a surface to flatly engage the road and provided with applicant's particular diamond-shaped protuberances. The third claim brought in the shoulders on each side of the tire and claimed the reinforcement of the flat surface of the tire by the shoulders. In filing this amendment applicant dropped the feature of reinforcing the tire where flexing was likely to be excessive, which feature he had previously emphasized.

After the final rejection of the claims in the amendment of July 31, 1922, the applicant presented the amendment of March 1, going back to the original tire-reinforcement proposition and embodying limitations on the angularity of the tire surface with the ground that had not before been described or claimed.

[3] It is not seen that this record exhibits a groping for language to correctly set forth the invention as finally claimed, and the showing as to why the claims of the amendment of March 1 were not earlier presented is not deemed satisfactory.

It is argued in the brief that the amendment of March 1, 1923, contains no new matter, and

parts of the original specification are pointed out as affording a basis for the new descriptive matter proposed to be inserted in the specification by said amendment and on which the applicant must rely for a description to support the claims of the said amendment.

On carefully reading the original specification no mention is found whatever of the desirability of the surface of the tire making a certain angle with the axis of the tire. This, by the amendment sought to be made to the specification, now is said to be within 4° and 10°, and when the tire is so made it is said that the result would be an equal distribution of weight on all laterally-aligned portions of the tire. The original specification merely said that, as shown in the drawing, applicant's tread is constructed to provide a relatively flat road-engaging surface, the entire width of which is in engagement with the road when the tire is subjected to the weight of the load. It says further that while applicant illustrated his tread as presenting in cross section a slightly-curved road-engaging surface he may find it expedient to eliminate this curvature and form the tread with a peripheral surface which presents transversely of the tread a straight line. The applicant now says in his brief that the inventor's problem of reinforcing the tire was that the pressure would be equally distributed and was solved partly by establishing a certain degree of angularity between the outside edge of the tread surface and the central portion thereof; that a mere compromise between applicant's design and the round tread or the flat tread would result in utter failure.

It is strange that this alleged important feature of the invention is not mentioned in the original description and must depend for an original disclosure on what the drawing may or may not show.

It is therefore more than doubtful whether there is any basis in the case as originally filed for claims covering a certain degree of angularity between the outer edge of the tread surface and the axis of the tire. This feature is specifically claimed in the proposed amendment of March 1. The Examiner in his letter of May 14, 1923, in refusing to enter the amendment made no decision as to the presence of new matter in the said amendment, but contented himself with saying that the assumption that the new claim would be allowed was not warranted by the record, and further that the new claims differed widely from those originally presented and prosecuted and embodied a complete change of inventive thought.

In view of the foregoing the petition is denied.

EX PARTE EGERTON.

Decided May 11, 1923.

INVENTION—SUBSTITUTION OF EQUIVALENTS.

Where it is old, as shown by prior patents, to provide strips of binding fabric impregnated with rubber between the metal rim and the solid tire of a vehicle

wheel, to which strips the tire is vulcanized, and another patent discloses in a similar solid rubber vehicle tire the use of bakelite in forming an autogenous union with rubber and stiffening the base of a tire, in which patent it is stated that the phenolic condensation products "have the property of uniting with either soft or hard rubber with an unusually tenacious bond when pressed against the same and sufficiently heated." Held that there would be no invention in using a phenolic condensation product instead of the rubber which the first-named patents disclose.

(Note.—This application has resulted in Patent No. 1,484,937, February 26, 1924.)

APPEAL from Examiners in Chief.

Mr. Harry L. Duncan for the applicant.

KINNAN, First Assistant Commissioner:

Applicant appeals from the decision of the Examiners in Chief affirming the action of the Primary Examiner finally rejecting claims 3, 4, and 7 to 11, inclusive, of which claim 3 is illustrative:

3. In rubber vehicle tires, a metal rim, a co-operating connecting member within said rim and in close contact therewith and comprising a number of layers of canvas carrying cured phenolic condensation cementing material, and a solid type tire of vulcanized rubber composition moulded upon and vulcanized to said connecting member.

The references cited are: Dryden, 788,824, May 2, 1905; Auld, 812,321, February 13, 1906; Krotz, 1,175,154, March 14, 1916; Brown, 1,250,959, December 25, 1917.

The appealed claims relate to a vehicle tire in which there are provided layers of canvas carrying cured phenolic condensation material in close contact with the metal rim, the solid tire of rubber composition being molded upon and vulcanized to the canvas.

It is old, as shown in the patents to Dryden and Auld, to provide, between the metal rim and the tire, strips of binding fabric impregnated with rubber to which the tire is vulcanized.

The patent to Brown discloses in a similar solid rubber vehicle tire the use of bakelite in forming an autogenous union with rubber and stiffening the base of a tire. In this patent it is stated (p. 1, line 38 et seq.) that the phenolic condensation products—

have the property of uniting with either soft or hard rubber with an unusually tenacious bond when pressed against the same and sufficiently heated.

In view of this full disclosure of the same advantages obtained by applicant there would be no invention in using a phenolic condensation product instead of rubber Dryden and Auld used for impregnating the layers of canvas, since this prior art clearly teaches that such a product will unite firmly with rubber.

The allowance of Patent No. 1,382,718 on applicant's copending application, in which strips of canvas impregnated with phenolic condensation products are incorporated in the tire for preventing puncture, is no ground for the allowance of the appealed claims, since, as pointed out above, applicant has merely substituted a phenolic condensation product for the material used by Dryden and Auld for a similar purpose, and the Brown patent teaches that such a product will

firmly unite with the rubber. There seems to be no inventive concept in this mere selection from the prior art of the two old things, the impregnated canvas and the phenolic condensation product, and using them in a single structure.

The decision of the Examiners in Chief is affirmed.

CAMPBELL C. JACKSON.

Decided January 31, 1923.

1. INTERFERENCE—REDUCTION TO PRACTICE—DILIGENCE—DIFFERENT SPECIES.

The steps taken toward producing one form of the invention can not be held as constituting diligence in the production of a specifically-different form.

2. SAME—SAME—ISSUE SPECIFIC.

The general rule is that the reduction of one form of device cannot ordinarily be construed as a reduction to practice of a form specifically different.

3. SAME—SAME—ISSUE GENERIC.

Where an issue is broadly stated, the construction of any successful device or machine which falls within the issue is usually a reduction to practice of the invention of that issue.

4. SAME—SAME—ISSUE SPECIFIC—ANOTHER SPECIES PATENTED.

Where a patent issued to C. on a machine of one form more than two years before his application in interference was filed, Held that if the steps taken toward the construction of the machine of the patent can be regarded as constituting steps toward the reduction to practice of the machine of the application, which is specifically different and so defined in the count, the latter machine and the count defining it would not be patentable over the machine of the patent.

5. SAME—SAME—SAME—SAME.

The activities in connection with the reduction to practice of one form of the machine can not be construed as steps toward reduction to practice of the specifically and patentably different machine of the count of the interference.

(Note.—The application of Jackson has resulted in Patent No. 1,476,516, December 4, 1923.)

APPEAL from the Examiners in Chief.

Mr. Augustus B. Stoughton for Campbell.

Messrs. Howson & Howson for Jackson.

KINNAN, First Assistant Commissioner:

The party Campbell has appealed from the decision of the Examiners in Chief affirming that of the Examiner of Interferences awarding priority to Jackson, the senior party, of the invention set forth in the following count:

A flat block linoleum or like printing machine having its blocks and color spaces of equal width and arranged in groups operatively separated by a distance equal to the width of two blocks or color spaces, and provided with feed mechanism for advancing a carpet a distance equal to the width of two blocks or color spaces at each feed.

The invention, as is well set forth in the count, relates to a machine for printing the various colors upon the color blocks of flat block linoleum, and the specific improvement over the old machines of the prior art resides in arranging the space-printing blocks in groups, each group separate from the other by double the width of a block or color space. One group of blocks prints alternate spaces simultaneously and the interven-

ing spaces are thereafter printed by the blocks of the second group. This saves the delay incident to the use of the old single group intermediate ink printing arrangement formerly in use.

Neither party claims reduction to practice prior to the filing of his application. Jackson has been, by stipulation, given the benefit of the date of the disclosure of the invention to his patent attorney Howson, by virtue of a letter dated October 8, 1918, from Jackson to Howson, from which letter the latter, on October 14, 1918, made a sketch and wrote a description of the invention for the purpose of having a search made to determine the patentability of such invention. The letter to Howson and the latter's sketch and written description (Jackson's Exhibit 1, 2, and 3) have been held by the Examiners in Chief and the Examiner of Interferences to entitle Jackson to this date of October 14, 1918, as date of conception and disclosure. There is no dispute as to the correctness of this holding.

There is no real controversy as to the correctness of the testimony describing the activities of Campbell. The contention of appellant relates to the legal effects or deductions to be ascribed to such activities. It is fairly shown by the record that Campbell is entitled to a date of conception as early as March, 1917. As this is over three years prior to his date of filing and as he does not allege construction of a machine embodying the mechanism and operation set forth in the count prior to such filing, the question of priority hinges on Campbell's diligence from just before October 14, 1918, when Jackson entered the field, and the date when Campbell filed his application.

It appears Campbell had a conception of two ways of overcoming the slowness of the old type of 18" step-by-step printing process and that he disclosed these conceptions to his company in March, 1917. One of these ways was to feed the linoleum or carpet alternately a short step of 18" and then a long step of 54". It was determined a test as to the success of such an arrangement could be made by arranging a change in the feeding mechanism of an existing machine. Being thus capable of a ready try-out, an order for the necessary modified feed motion was given a manufacturing company in February, 1918, and during this month the ordered parts were received, assembled in the machine, and the latter, which was known as an eight-frame machine suitable for mats, but not for large carpets, was tried and found fairly successful for the smaller mats. There were some defects as to imperfect registration, however, which were deemed objectionable when fabrics of larger dimensions were attempted. The tests, however, while not wholly satisfactory or perfect, showed the fabric could be fed 54" without being torn by the engaging picks. The result of the tests, however, apparently justified the company to build a larger and entirely new machine, which is referred to as a twelve-frame machine. Long before this trying out of the

18"—54" feed change at all—in fact as early as June 5, 1917, Campbell had obtained a patent for this 18"—54" feed machine.

The second of the two ways of speeding up the output of the older type of machine was that recited in the count and consisted in dividing the printing blocks into two groups and operating these groups alternately while feeding the fabric 36"—the difference of two blocks or spaces—at each step. To carry out this method, an entirely new design of machine, costing a large sum, was deemed necessary. No actual work was undertaken (Campbell's testimony, q. 25) by Campbell toward constructing such a machine prior to the filing of his application here involved. In order to overcome the charge of nondiligence by reason of this long period of inactivity, Campbell contends that by testing the operation of the 18"—54" feed of the fabric and proving such a long step could be carried out without tearing the fabric he fully proved a fabric could be fed without tearing the lesser distance of 36". Campbell contends this test of the 18"—54" machine should, therefore, be construed as also constituting the test of the 36"—36" machine and be regarded as showing diligence in the perfection of the machine of the issue of this interference. The count, however, defines a specific group arrangement of the blocks and a certain feed-control mechanism which were absent in the 18"—54" machine.

[1] Whether the view of the Examiners in Chief that the tests of the latter machine were sufficient to show the fabric could be successfully fed the necessary distance at each step in a 36"—36" machine is correct or not and whether such test be deemed as showing diligence in perfecting the invention of the issue is immaterial, because this test was made in February, 1918, over two years before the application involved in this interference was filed and before Jackson entered the field and before the burden of diligence on Campbell had attached. The fact that during this period of over two years nothing was done toward constructing a machine of the type specified in the count is persuasive of the soundness of the holding of both the Examiners in Chief and the Examiner of Interferences that Campbell was lacking in diligence during the period from October 14, 1918, to April 1, 1920. If Campbell could prevail, in view of this record, it must be that all his activities in developing the 18"—54" machine must be interpreted as constituting diligence in the production of the machine of the issue. As above noted, however, the machine of the issue is specifically different in the matter of dividing the printing blocks into groups, in the mechanism alternately actuating such groups, and the equal double-space feed from the unequal-feed machine. The steps taken toward producing the latter cannot be held as constituting diligence in the production of the former. There is no evidence of record that prior to October, 1918, Campbell could have filed an application for a specific machine defined by the count, since it is

not shown that the design of the feed mechanism and the means for operating the two group blocks, as well as the feed mechanism had been worked out for the 36"—36" machine. Progress was made during 1918, 1919, and 1920 on the final development of the successful form of the 18"—54" machine. Unless the view strenuously urged by Campbell that these acts should be construed as constituting diligence in perfecting the 36"—36" machine is accepted it is not necessary to decide whether there was due diligence in the reduction to practice of the 18"—54" machine.

[2, 3] The authority cited by the Examiners in Chief and by the Examiner of Interferences, as well as by the counsel for appellant and counsel for appellee, show the general rule is well enough settled that the reduction of one form of device cannot ordinarily be construed as a reduction to practice of a form specifically different. Where, however, an issue is broadly stated, the construction of any successful device or machine which falls within the issue is usually a reduction to practice of the invention of that issue. *Clement v. Richards v. Meissner*, 113 O. G. 1143; C. D. 1904 492; *Kilburn v. Hirnir*, 124 O. G. 1841; C. D. 1906 367. Where this condition does not exist, however, each case must be determined in view of all the circumstances there present.

[4, 5] The 18"—54" machine does not fall within the issue of the count. A patent has been issued on this former machine more than two years before the application of Campbell for the machine of the issue was filed. The necessarily-accepted theory is that this machine of the present application of Campbell is patentably distinguished from the machine of Campbell's prior patent. If the steps taken toward the construction of the machine of Campbell's prior patent can be regarded as constituting steps taken toward the reduction to practice of the 36"—36" machine, which is specifically different and so defined in the count, it would appear such a machine and the count defining it would not be patentable over the machine of Campbell's patent. This patent must be regarded as a bar to the grant of any claim or anything disclosed or not involving invention over what is disclosed in such patent. The specific construction of the machine of the count is not found in the prior patent, and the changes necessary to produce the 36"—36" machine are not suggested by Campbell's prior patent and have been held to constitute invention thereover. It seems logical to hold the activities in connection with the reduction to practice of the invention of 18"—54" machine cannot be construed as steps toward reduction to practice of the specifically and patentably different machine of the count of the invention. With this view Campbell must be held to have failed in his efforts to show due diligence between October 14, 1918, and his date of filing his application involved in this interference.

The decision of the Examiners in Chief awarding priority to Jackson is affirmed.

EX PARTE LESER.

Decided May 3, 1923.

1. INVENTION—ANALOGOUS ART.

The fact that a hose reel must be constructed larger and of heavier material than a fishing reel involves a difference of degree only, and the two can not be regarded as in nonanalogous arts.

2. SAME—SUBSTITUTION OF EQUIVALENTS.

It being old to construct a reel with a flat central plate, to which the spokes or forks are attached, there would be no invention in substituting a flat plate for a hose-reel spider consisting of a central flat-sided portion and radiating arms, and attaching the spokes of the reel to the outer ends of the spider arms.

3. CLAIMS—CONSTRUCTION OF.

Where the applicant discloses a reel consisting of a central plate having attached thereto radiating arms arranged in pairs on opposite sides of the plate and flaring outwardly, *Held* that a claim covering spokes "secured to one or both faces" of the plate is not warranted by the disclosure.

(Note.—This application has resulted in Patent No. 1,480,769, January 15, 1924.)

APPEAL from the Examiners in Chief.

Messrs. Weed & Gray for the applicant.

KINNAN, First Assistant Commissioner:

Applicant has appealed from the decision of the Examiners in Chief affirming the action of the Primary Examiner in finally rejecting claims 4, 5, and 6, which read as follows:

4. As an article of manufacture, a hose reel having means for receiving a plurality of coils of hose or the like and including a hub plate located in a plane transverse of the axis of the reel.

5. As an article of manufacture, a hose reel having means for receiving a plurality of coils of hose or the like and including a sheet metal hub having flat side portions, and a plurality of spokes secured to said flat portions.

6. As an article of manufacture, a hose reel constructed to receive a plurality of coils of hose or the like and including a hub plate located at substantially right angles to the axis of the reel, and a plurality of flat sided spokes secured to one or both faces thereof.

The references cited are: Denton (British), 13,814, August 15, 1906; Mallow, 1,358,382; November 9, 1920.

The application discloses a hose reel of the type designed to wind up a hose that lies on the ground by rolling the reel over it. As shown and described, the reel consists of a central plate having attached thereto, preferably by riveting, radiating arms arranged in pairs and flared outwardly, the ends of each set of arms being attached to a circular rim. Claims including all these elements have been allowed.

It should be clearly noted that the appealed claims do not include the rims to which the outer ends of the arms are attached, nor the flaring shape of the arms. Claim 4 is broadly for a hose reel having means for receiving the coils of hose and including a hub plate. Claim 5 specifies that the hub is formed of sheet metal with flat side portions and has a plurality of spokes attached thereto and does not exclude the integral arms of the plate of the fish-reel patent. Claim 6 specifies that the spokes are flat sided and secured to "one or both" faces of the hub plate.

The British patent shows a hose reel of the same type as applicant's. In this reel the spokes are attached to the outer ends of a spider, consisting of

a central flat-sided portion and four radiating arms. The patent to Mallow discloses a fishing reel comprising a flat plate having attached thereto "forks or crutches" each constructed of a pair of oppositely-curved resilient arms.

[1] Applicant contends that the Mallow patent relates to a nonanalogous art and in no way negatives the patentability of the appealed claims. The reel of the Mallow patent is, however, clearly for the same general purpose as applicant's—namely, that of winding or reeling a flexible article—and the fact that a fishing line is lighter than a hose, and therefore a hose reel must be constructed larger and of heavier material than a fishing reel, involves a difference of degree only and the two can not be regarded as in nonanalogous arts. (See *Locklin v. Buck*, 159 F. R. 434.)

[2] It being old to construct a reel with a central plate to which the arms or forks which support the article are attached, there would be no invention in substituting a flat plate for the spider in the reel of the British patent. In fact the spider of the British patent may be regarded as a flat plate having the portions thereof which are unnecessary for the patentee's purpose cut away.

[3] Claim 6, which specifies that the spokes may be attached to "one or both" of the faces of the central plate, is for matter not shown or suggested in the application. In the decision of the Examiners in Chief it is said that a structure in which the spokes were attached to but one face of the hub plate would not be a hose reel at all, but merely the half of one. In appellant's brief, it is stated that both sets of spokes could be attached to the same side of the sheet-metal hub, one under the other, and therefore the words in claim 6 "one or both sides" could not indicate merely half a reel. It would seem this is true; but whether the reel could be so constructed or not is immaterial, since there is no showing or description in the application of such a construction, so the claim includes new matter and is, for this reason, also unpatentable.

The claims which have been allowed are thought to fully cover whatever invention applicant has made over the prior art.

The decision of the Examiners in Chief is affirmed.

EX PARTE MORGAN.

Decided June 20, 1923.

INVENTION—NEW AND ADVANTAGEOUS RESULTS.

An arrangement for holding the cutter holders to the links of a cutter-carrying chain, whereby the cutter holder may be quickly detached from the chain and both cutter and holder removed to a place where the cutter may be sharpened, the cutter being adjustable in the holder to compensate for the shortening of the cutter due to sharpening, whereby an advantageous saving of time is effected, *Held* to be patentable over a reference which does not make it plain that the same advantageous features are present.

(Note.—This application has resulted in Patent No. 1,468,866, September 25, 1923.)

APPEAL from the Examiners in Chief.

Mr. Chas. M. Nissen for the applicant.

KINNAN, First Assistant Commissioner:

Applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner, denying patentability to claims 1 to 10, 14 to 21, and 29 to 32, inclusive. Claims 1 and 2 will serve for illustrative purposes:

1. In a chain cutter for mining machines, the combination with a cutter link, of a detachable bit socket, and interlocking mechanism between said bit socket and said cutter link for permitting the attaching or detaching of said socket to said cutter link by a single sliding movement along the chain.

2. In a chain cutter for mining machines, the combination with a cutter link, of a bit socket, a bit in said socket, means for adjustably holding said bit in said socket, and securing mechanism between said cutter link and said bit socket to permit the latter to be attached to said chain or detached therefrom by a single sliding movement of said bit socket in a direction substantially parallel with the path of travel of the chain.

The references are: Magaw, No. 279,780, June 19, 1883; Morris et al., No. 1,159,861, November 9, 1915; Barton, No. 971,345, September 27, 1910; Levin, No. 1,140,173, May 18, 1915; Eckersley et al. (British), No. 26,064 of 1909.

The Examiners in Chief and the Primary Examiner held that applicant had too many claims in view of the restricted scope of his departure from the prior art. While applicant urges that he should be permitted to set forth his invention in several different ways in claims of varying scope and that he is entitled to a reasonable number of claims so long as they are not duplicates of each other, yet, admitting his contention as to these matters and his right to all reasonable latitude, I am satisfied many of his claims are substantial duplicates. The construction is simple, and a few claims, much less in number than those here presented on appeal, are all that could be allowed even if they were deemed patentable over the prior art.

The claims are directed to an arrangement for holding the cutter holders to the links of a cutter-carrying chain which travels over the usual cutter bar or guiding bar of a coal-mining machine and also to the means for holding the cutter in the cutter or bit holder. It is noted by appellant that in these machines of the character to which his alleged invention is applied the cutters frequently become dull and must be sharpened. When so sharpened the cutter is shortened in length and must be adjusted so that it will be projected to the same degree as the other cutters. By his arrangement applicant is able to quickly detach the cutter holder from the chain and remove both cutter and holder to a place where the cutter may be sharpened and adjusted in the holder and returned ready to be quickly placed upon the chain to take the place of some other cutter that also has dulled. It is set forth in support of the appeal that the two features—the quickly-detachable tool holder and the adjustable cutter holder—permit of very great advantage in the practical operation of these machines. It is asserted that a construction permitting this advantageous saving of time by removing both holder and cutter quickly from the chain and as quickly placing another holder and a sharpened cutter on the chain, where-

by the machine can continue operations while the removed cutter is sharpened and adjusted all ready to be replaced on the chain, is not disclosed in the art cited and results in very great economy in time and operation.

It is believed there is no merit in claims 1, 3 to 9, 14 to 21, and claim 29. None of these claims sets forth the two features which applicant contends enables the advantageous time-saving results to be secured. These claims are but for a cutter holder detachable from the chain by the sliding wedge-shaped or tapering means disclosed. It is believed to be obvious the means for fastening the Magaw cutter to the cutter holder could be, without invention, substituted for the means disclosed in the British patent. It is true the cutter of Magaw contains the tapered head and the cutter holder the tapered groove, and that this is a reversal of the arrangement employed by applicant. The result, however, is a wedge or tapered fastening of two parts in this same art, which parts can be assembled and disassembled in the same way as the holder and chain link of appellant's construction. It is believed to be entirely obvious there would be no inventive concept in substituting this Magaw attaching means for the attaching means of the British patent and that it is a matter of choice which part carries the head and which the socket.

As to claims 2, 10, 30, 31, and 32, which recite the two detachable fastening devices, that of the holder to the link and that of the cutter to the holder, whereby the beneficial operations above referred to are secured, it is thought the construction and operation of the devices of the English patent are so much in doubt that such patent can not be held to disclose these two advantageous features set forth in those claims. Since the British patent relies upon the inclined surface of the link to push the wedge block to clamping position, it is not thought the patentee makes it plain the cutter holder could be removed from the link, the cutter sharpened and replaced in the holder, adjusted to proper position, and so fixed that the holder could be used, as is applicant's holder, to be quickly inserted in place of another holder whose cutter had become dull. With the suggestion which applicant has disclosed in his application, it is probable one could use the construction of the British patent in the manner applicant uses his devices; but in the absence of such suggestion it is believed the British patent fails to disclose the advantage claimed by applicant. It is believed, however, these claims 2, 10, 30, 31, and 32 do not sufficiently define over the British reference and should not be allowed in their present form. If claim 2 is amended by inserting after "mechanism" in line 4 some such words as "independent of the bit-holding means," such claim will be allowable. If claim 10 is amended by inserting in line 5 after the word "bit" some such words as "independently and," this claim will be allowable. If in claim 30, line 5, after "means" some such clause as "operating independently of the means for securing the bit holder to

the link" is inserted, this claim will be allowable. In claim 31, line 2, after the word "means" and claim 32, line 4, after "means" if such a clause as suggested in connection with claim 30 is included these claims will be allowable.

The decision of the Examiners in Chief is affirmed.

EX PARTE STANDARD OIL COMPANY (NEW JERSEY).

Decided October 6, 1924.

1. TRADE-MARKS—SUBJECT MATTER FOR PROTECTION AS A LABEL.

Even if the matter presented by applicant in an application for registration is proper subject matter for protection as a label it might also be proper to register it as a trade-mark.

2. SAME—CARTON AND ASSEMBLAGE OF MATTER THEREON—SECTION 1 (b) ACT OF 1920.

The term "trade-mark" does not apply to a carton which is designed to contain a bottle of goods covered by a registered trade-mark, with an assemblage of matter on the carton, including the trade-mark, a representation of the bottle, a representation of other articles suggestive of the manner of using the goods, laudatory statements, and various items of information, including name and address of the manufacturer, character and quantity of the contents of the bottle, directions for use, and matter describing the goods and differentiating it from other goods.

3. SAME—CONVENTION OF AUGUST 20, 1910—WRAPPERS, CARTONS, AND LABELS.

The Trade-Mark Convention of August 20, 1910, does not on its face include a wrapper, carton, or label.

4. SAME—LABELS—ACT OF 1920.

The act of 1920 distinguishes between trade-marks and labels.

5. SAME—ATTEMPT TO REGISTER LESS THAN APPLICANT'S ENTIRE MARK.

Where an applicant endeavored to register less than his entire mark, the Court of Appeals has sustained the Patent Office in refusing to register what the applicant presented, on the ground that it was not his trade-mark.

6. SAME—ATTEMPT TO REGISTER MORE THAN APPLICANT'S MARK.

Where an applicant endeavors to register more than his entire mark, registration may be refused on the ground that it is not the applicant's trade-mark.

7. SAME—ATTEMPT TO REGISTER A CARTON AS A TRADE-MARK—REAL TRADE-MARK PRINTED ON CARTON.

Where applicant points out on the top of its carton that the trade-mark for the protection of the public is "Nujol," the Patent Office is justified in refusing to believe that its carton is its trade-mark.

8. SAME—ACT OF 1920—PURPOSE OF.

One purpose of the act of 1920 is to allow our own citizens to register in our Office trade-marks which are excluded by the act of 1905, to enable them to obtain registration in foreign countries in which the marks might be good trade-marks.

ON APPEAL.

Messrs. Broigne & Phelps for the applicant.

FENNING, Assistant Commissioner:

The Standard Oil Company (New Jersey) appeals from the action of the Examiner of Trade-Marks refusing to register under the act of March 19, 1920, for mineral oil for chemical, medicinal, and pharmaceutical purposes, what it alleges is its trade-mark. Applicant is the owner of Trade-Mark No. 105,425, dated July 20, 1915, "Nujol."

It has presented here as specimens of its mark cartons in which it packs a bottle of Nujol. The drawing shows the blank form from which the carton is made. This has the usual four sides with four flaps forming the top and four flaps forming the bottom. In the drawing applicant has reproduced all of the printed matter included on the specimens, excepting the following, which appears on two of the bottom flaps: "30 p" and "Domestic—Robert Cair Company—New York" in an oval on a diamond, "Brooklyn Division, Brooklyn, N. Y.—N 500." The matter included in the drawing consists of what may be referred to as the front of the carton, near the edge of which is an ornamental border within which appears "Nujol Reg. U. S. Pat. Off. a Lubricant—Not a Laxative—For Constipation." Below this appears a picture of a bottle of Nujol, a carton bearing the printed matter, a clock, and a spoon, under which appears "Regular as Clockwork." Below this appears "Nujol Laboratories Standard Oil Co. (New Jersey)—Bayonne, New Jersey, U. S. A." This matter on the front of the carton is reproduced on the back of the carton. On one side appears "9 Fluid Ounces Nujol—Reg. U. S. Pat. Off.—A Lubricant Not a Laxative—For Constipation—Prescribed by Doctors—Not a Medicine or Laxative—Totally Different from Castor Oil—Cannot Grip—Used in Leading Hospitals," followed by an ornamental tailpiece. The other side of the carton carries "Nujol—Reg. U. S. Pat. Off.—A Lubricant—Not a Laxative—For Constipation—Information for Adults and Elderly People . . . Infants and Children . . . Expectant and Nursing Mothers—Complexion Troubles and Diet Suggestions—Read Booklet Enclosed," followed by an ornamental tailpiece. One of the flaps forming the top of the carton has near its margin an ornamental border similar to the ornamental borders on the front and back of the carton and "Insist on Sealed Carton Bearing the Nujol—Reg. U. S. Pat. Off.—Trade Mark for Your Protection."

The examiner has stated his rejection thus:

The mark as presented consists of everything shown on the specimens filed and presents a label. The disclosure is apparently proper subject matter for label registration under the Copyright Law of 1874.

... the mark presented contains so much matter copyrightable as a label that it is devoid of that unity and distinctiveness which indicates origin in applicant. Such distinctiveness is the essential characteristic of a registrable trade mark.

[1] It is not essential here to determine whether the matter presented by applicant is proper subject matter for copyright protection as a label. That issue is not before us. Even if it were proper subject matter for label protection it might also be proper to register it as a trade-mark. *De Jonge v. Breuker & Kessler*, 182 Fed. 150; 191 Fed. 35; 235 U. S. 33; 210 O. G. 717; 1915 C. D. 314.

[2, 3] The sole question before us is whether what has been presented by applicant in its drawing is a trade-mark. I am unable to find any case, and counsel are unable to refer me to any case, in which matter analogous to that here considered has been held a trade-mark by any court. I am

unable to find any definition either in textbooks or in the decisions of the courts of the term "trade mark" which by a reasonable interpretation might justify the inclusion of such an assemblage of matter as is here presented by applicant. The endeavor to define a trade-mark has been generally limited to the use of such terms as name, word, figure, letter, symbol, device, and the like. It is interesting to note that the Trade-Mark Convention of August 20, 1910, referred to in the Trade Mark Act of 1920, on which the present procedure is based, defines a trade-mark as "any sign, emblem or especial name that may be adopted &c." The Spanish equivalent in the treaty of "sign" is "signo," which may be as aptly translated "insignia." It seems clear, therefore, that the treaty does not on its face endeavor to include a wrapper, carton, or label. Moreover, section 1 (b) of the act of 1920, under which the present application is filed, makes no reference to the 1910 treaty.

[4] There is an apparent intention on the part of the legislature to distinguish between trade-marks and things such as applicant has illustrated in his drawing. For instance, section 4 of the act of 1920 indicates that infringement may take place by unlawfully affixing a trade-mark "to labels, signs, prints, packages, wrappers or receptacles." Section 6 of that act by reference includes section 20 of the act of 1905, in which section we again find Congress differentiating between a trade-mark and "all labels, signs, prints, packages, wrappers or receptacles . . . bearing the trade mark."

A trade mark may sometimes, it is true, in form serve as a label, but it differs from a mere label in such cases in that it is not confined to a designation of the article to which it is attached, but by its words, or design is a symbol or device which, affixed to a product of one's manufacture, distinguishes it from articles of the same general nature manufactured or sold by others, thus securing to the producer the benefits of any increased sale by reason of any peculiar excellence he may have given to it. *Amoskeag Manufacturing Co. v. Trainer*, 17 O. G. 1217; C. D. 1880 464; 101 U. S. 51, 53. A mere label is not intended to accomplish any such purpose, but only to indicate the article contained in the bottle, package, or box to which it is affixed. *Higgins v. Keuffel*, 55 O. G. 1139; 1891 C. D. 403; 140 U. S. 428.

Of course it must be admitted that a label may consist merely of a trade-mark. For instance, a round sticker on which is printed only all of the matter included in the mark, favorably considered by the Supreme Court in *Beckwith v. Commissioner of Patents*, 1920 C. D. 471; 274 O. G. 613; 252 U. S. 538, would be sufficient foundation for registering as a trade-mark the entire label. Indeed, such a label was supported as a trade-mark in *Heileman Brewing Co. v. Independent Brewing Co.*, 191 Fed. 480, although in that instance the literal matter on the label was omitted from the trade-mark registration. In that case with obvious propriety, the court employed the terms label and trade-mark as interchangeable, since the entire substance of the label was the trade mark.

[5, 6] Applicant cites *In re Standard Underground Cable Co.*, 123 O. G. 656; 27 App. D. C. 320; 1906 C. D. 687, as authority for insisting that the Patent Office may not determine what is an applicant's trade-mark, but that he may elect to register anything of which he has shown use. In

later cases, however, the court of appeals has sustained the Patent Office in refusing to register what the applicant presented, on the ground that it was not his trade mark. *In re Motz Tire & Rubber Co.*, 193 O. G. 513; 40 App. D. C. 487; 1913 C. D. 459; *Quaker v. Quaker*, 214 O. G. 684; 43 App. D. C. 260; 1915 C. D. 113; *In re Fitzpatrick Bros.*, 257 O. G. 1081; 48 App. D. C. 241; 1918 C. D. 217; *Hay v. Malone*, 288 O. G. 431; 50 App. D. C. 399; 1921 C. D. 236. To be sure in those cases applicant endeavored to register less than his entire mark; but the rule seems equally applicable to a proceeding in which applicant endeavors to register more than his entire mark.

[7] It is noted in the present instance that on the top of the very carton presented here applicant points out that the trade-mark for the protection of the public is "Nujol." If it has elected to hold that out to the public as its trade-mark, the Patent Office is justified in refusing to believe that its carton is its trade-mark.

[8] Applicant reminds us that one purpose of the act of 1920 was to give our own citizens the same right of trade-mark protection as was afforded citizens of foreign countries. The purpose of the act was to allow our own citizens to register in our Office trade-marks which were excluded by the act of 1905, so that they might obtain registration in foreign countries in which the marks might be good trade-marks. That purpose, of course, is a worthy one, and it behooves us to make every interpretation of the act reasonably possible to carry out that purpose. We must remember, however, that the act relates to trade-marks, and not to something else. It may be unfortunate for our foreign commerce that methods of collecting debts are not as convenient in foreign countries as in our own country; and it may be unfortunate for foreign commerce that foreigners do not always understand instructions or directions printed in the English language; but the act of 1920 makes no effort to correct these difficulties, nor does it make an effort to register what is not a trade-mark. We are reminded that under section 1 (a) of the 1920 act we place upon our register marks coming from foreign countries which apparently are cartons or labels or wrappers. This may be so, and we may be justified, since section 1 (a) of the act of 1920 in terms specifically attempts to carry out the treaty of 1910. As was said by the court in *Rossmann v. Garnier*, 211 Fed. 401; 205 O. G. 661; 1914 C. D. 223:

. . . If the appellee could and did obtain French trade marks, as she swears she did in her affidavit for registration, then under article 6 of the treaty for the protection of industrial property of March 20, 1883 . . . to which both France and the United States were parties, she would be entitled to protection in this country, whether or not we would have allowed such a mark as an original proposition under our laws.

In *Fargo Mercantile Co. v. Brecht & Richter Co.*, 295 Fed. 823, the court after quoting from the act of 1874, referring to copyright of labels ("any print or label not a trade mark"), said:

This is a plain recognition of labels entirely outside the class of trade marks.

I am satisfied that the matter shown in the drawing of the present application is a label, entirely outside the class of trade-marks, and therefore not entitled to registration.

The Examiner of Trade-Marks is affirmed.

A. E. WRIGHT COMPANY v. THE SAR-A-LEE COMPANY.

Decided October 10, 1924.

1. TRADE-MARKS—ACT OF 1920—PROTECTS NONTECHNICAL TRADE-MARKS.

The act of 1920 specifically provides for registering only marks which are not technical trade-marks. Therefore registrations under this act must be treated differently from registrations under the act of 1905.

2. SAME—SAME—CANCELLATION—PRIOR USE ABROAD.

Section (b), Article IX, of the Convention of 1910 seems to provide that when a registrant has acquired a mark by use the registration may be taken away from him by showing that when he acquired the right to use it he knew it was used by another elsewhere, and it may be inferred from this that under section 2 of the act of 1920 when the original user whose mark has been copied enters the United States he is entitled to have the registration canceled.

3. SAME—SAME—DESCRIPTIVE MARK.

The mere fact that a mark registered under the act of 1920 is descriptive is not sufficient ground for cancellation of the registration.

4. SAME—SAME—SAME—SUBSEQUENT ADOPTION BY ANOTHER—CANCELLATION.

Adoption of a descriptive term by another subsequent to an application for registration is not sufficient ground for canceling a registration of that term.

APPEAL from Examiner of Interferences.

Mr. Arthur E. Wallace for A. E. Wright Company.

Mr. John A. Bommhardt and Mr. George E. Tew for The Sar-A-Lee Company.

FENNINO, Assistant Commissioner:

The Wright Company appeals from the action of the Examiner of Interferences dismissing the petition for cancellation of the trade-mark of the Sar-A-Lee Company, No. 174,532, registered October 16, 1923, under the act of March 19, 1920, for food products comprising a combination of ham and other ingredients forming a thick paste which is used as a sandwich filler. The specimens filed with the application read: "Spred for Sandwiches" and the trade-mark as registered consists of the word "Spred." This is obviously a misspelling of the common English word spread, which by accepting registration under the act of 1920 registrant admits is descriptive of its goods. Appellant alleges use from a date subsequent to registrant's date of a label bearing the words "Taste-T-Spred, a Spread for Sandwiches and Cold Meats." Obviously the goods of the parties are the same.

The petition for cancellation sets out that registrant has—

threatened applicant's customers with litigation proceedings based upon said registration by reason of the use by this applicant of the descriptive word SPRED in the labeling of its goods.

Under somewhat similar circumstances I canceled a registration of a descriptive word in *Climax Rubber Company v. U. S. Compression Inner Tube Co.*, 313 O. G. 453; 1923 C. D. 41. In that case

it appeared that petitioner for cancellation had used the word in issue in connection with its inner tubes since prior to the date of application for registration. That condition is absent in the present case.

[1] The act of 1920 does not attempt to protect technical trade-marks. It specifically provides for registering only marks which are not technical trade-marks. Therefore registrations under this act must be treated differently from registrations under the act of 1905. Section 2 of the act of 1920 is in substantially the same terms as section 13 of the act of 1905; but the words italicized in the following sentence appear in the act of 1920, and not in the act of 1905:

If it appear after a hearing before the Examiner that the registrant was not entitled to the *exclusive* use of the mark at or since the date of his application for registration thereof, or that the mark is not used by the registrant or has been abandoned, and the Examiner shall so decide, the Commissioner shall cancel the registration.

In the proceedings before the Senate Committee when the bill was pending in Congress (Hearings before Committee on Commerce, U. S. Senate, 65th Congress, 2nd Session, on S. 4783, p. 16; July 3, 1918), I find the statement that those words were inserted in pursuance of Article IX of the Buenos Aires Convention of 1910.

It seems clear, then, that we should turn to Article IX of the Convention of 1910 to discover the meaning of these words. Article IX of the Convention reads:

Any person in any of the signatory States shall have the right to petition and obtain in any of the States, through its competent judicial authority, the annulment of the registration of a trade mark, when he shall have made application for the registration of that mark, or of any other mark calculated to be confused in such State, with the mark in whose annulment he is interested, upon proving:

(a) That the mark, the registration whereof he solicits, has been employed or used within the country prior to the employment or use of the mark registered by the person registering it, or by the persons from whom he has derived title;

(b) That the registrant had knowledge of the ownership, employment or use in any of the signatory States, of the mark of the applicant, the annulment whereof is sought, prior to the use of the registered mark by the registrant or by those from whom he has derived title;

(c) That the registrant had no right to the ownership, employment or use of the registered mark on the date of its deposit;

(d) That the registered mark had not been used or employed by the registrant or by his assigns within the term fixed by the laws of the State in which the registration shall have been made.

[2] I am unable to find in this section anything which might have necessitated the insertion of the words "or since" other than section (b) of Article IX. That section seems to provide that when a registrant has acquired a mark by use the registration may be taken away from him by showing that when he acquired the right to use it he knew it was used by another elsewhere. We may draw from this the inference that when the original user whose mark has been copied enters the United States he is entitled to have the registration canceled. To be sure it is rather difficult to follow the logic which led to the insertion of the words "or since" for this purpose, but clearly there is nothing in Article IX of the treaty which would justify the cancellation of the registered trade-mark under the circumstances presented in the

instant case. The treaty apparently, like our statute, contemplates priority in use as giving right to the mark aside from the condition of section (b) where the use is knowingly imitated.

[3,4] The act of 1920 contemplates the registration of a descriptive word as a trade-mark. The mere fact that it is descriptive, therefore, is not sufficient ground for cancellation of the registration, nor am I able to persuade myself that subsequent adoption of that descriptive term by another is sufficient ground for canceling the registration. It may be that since the mark is descriptive a court will not find it infringed by the use by another of the same word in a descriptive way, but that is a question to be determined by the proper courts, and not by this Office.

The Examiner of Interferences is affirmed.

EX PARTE COMSTOCK.

Decided October 31, 1923.

CLAIMS—COMPREHENSIVE WORDS AND PHRASES—"REFLECTING MEANS"—CLAIM NOT INCOMPLETE.

Where two reflecting surfaces are necessary to accomplish applicant's purpose and his claim does not specify the number of surfaces, but does include "reflecting means," which covers such surfaces as are necessary to produce the defined arrangement of images, and is limited in such a manner that it does not cover all means, and yet leaves the claim of sufficient scope to cover arrangements in which other reflecting surfaces may or may not be used, and where the claim does not read on the reference and further definition would impose restrictions not imposed by the cited art, *Held* that the claim is not incomplete.

(Note.—This application has resulted in Patent No. 1,497,356, June 10, 1924.)

APPEAL from the Examiners in Chief.

Messrs. Cushman, Bryant & Darby for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the decision of the Examiners in Chief holding claims 14, 18, 19, and 25 unpatentable.

The invention relates to an optical system designed to produce a plurality of images of the same object from the same point of view at the same time. The appealed claims read as follows:

14. In a system for simultaneously producing on the same side of a film complementary images of an object field from the same point of view, the combination of focusing means and reflecting means correlated to throw the complementary images in juxtaposed picture spaces on one side of the film in reversed and parallel relationship with respect to each other, said reflecting means comprising a partially transmitting and partially reflecting surface disposed at an angle to the plane of said picture spaces.

18. A system for simultaneously producing a plurality of images of an object field comprising a light-dividing surface for dividing a beam of light into a plurality of similar beams and reflecting means including a reflecting surface disposed in advance of said surface in the path of said first beam, said reflecting surface extending transversely across said path and obliquely across the path of one of the divided beams so as to transmit the first beam and reflect the second beam.

19. A system for simultaneously producing a plurality of images of an object field comprising a light-dividing surface for dividing a beam of light into a plurality of similar beams, and a prism disposed in advance of said surface in the path of said first beam, said prism having a surface extending transversely across said path and obliquely across the path of one of the divided beams so as to transmit the first beam and reflect the second beam.

25. In a system for simultaneously producing on a film complementary images of an object field from the same

point of view, the combination of focusing means, and prism means, the prism means having a light-dividing surface and reflecting surfaces in optical alignment with the focusing means, the reflecting surfaces being arranged to position the images transversely of the plane of the light-dividing surface and the light-dividing surface being so disposed with respect to the path of light from the object field that the paths of the divided light are symmetrically disposed with respect to said plane, all of said paths lying in the same plane whereby complementary images are symmetrically produced relatively to said plane.

The references relied upon are: Kunz, 1,320,625, November 4, 1919; Beck (British), 24,150, October 22, 1912.

Claim 14 was held unpatentable on the ground that it is incomplete and does not include sufficient structure, because in a structure which accomplishes applicant's purpose it is necessary to provide a surface for transmitting and reflecting and in addition two reflecting surfaces. The claim does not specify the number of reflecting surfaces, but includes as an element the group of reflecting surfaces as "reflecting means." This means includes such surfaces as are necessary to produce the defined arrangement of images. The definition of the reflecting means as comprising a surface which partially transmits and partially reflects restricts the claim, so that it does not cover all means for producing the result. The word "comprising," however, leaves the claim of sufficient scope to cover arrangements in which other reflecting surfaces may or may not be used. The claim, for the reasons stated in the decision of the Examiners in Chief, does not read on the Kunz patent. The definite inclusion of reflecting surfaces other than the partially transmitting and partially reflecting surface would have to be stated in the form of further definition of the "reflecting means" already included, rather than in the inclusion of additional elements, to avoid the objection of repetition. The insistence upon such additional definition would compel appellant to place limitations in his claim not imposed by the cited art.

Claims 18 and 19 were held unpatentable in view of the patent to Beck. Appellant has furnished a sketch in his brief which shows the Beck structure in red lines with the light-dividing surface of the same superimposed upon the light-dividing surface in his own structure. He argues at length that his structure furnishes a more compact arrangement and permits the use of a lens having a shorter focal length, and therefore a wider angle and greater speed, than can be used with the Beck structure. It is believed, notwithstanding this argument, that these claims are too broad to be patentable over Beck. As pointed out by the Examiners in Chief, claim 18 is not accurate in the statement that the reflecting surface extends across the path of the undivided beam. The portion of the surface x^2 through which the undivided beam passes is not a reflecting surface and appears to have no particular function in the arrangement claimed except to permit the beam to pass there-through. The two prisms b and c in Figure 1 of Beck function in the same manner as the left hand prism shown in Fig. 2 of appellant's drawing. To

make one piece of two pieces of the prior art is not invention. It is believed that these two prisms are the equivalent of the prism included in these claims. To be sure in Beck's prisms the glass path lengths of the two divided rays are not equal, as they are in applicant's, but this is not brought out in these claims.

Claim 25 was held unpatentable in view of either Fig. 9 of Kunz or Fig. 1 of Beck. Kunz does not show in Fig. 9 a plurality of reflecting surfaces in addition to a light-dividing surface, as required by the claim. Beck does not produce complementary images symmetrical with respect to the plane of the light-dividing surface. This claim is deemed allowable.

The decision of the Examiners in Chief is affirmed as to claims 18 and 19 and reversed as to claims 14 and 25.

PATENT SUITS.

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922.)

796,402, L. E. Curtis, Machine for expanding sheet metal; 799,299, O. Bradford, Machine for expanding slitted sheet metal; 1,125,526, C. J. W. Hayes, Machine for manufacturing expanded metal, suit filed July 14, 1922, D. C., N. D. Ohio (E. Div.), Doc. 749, *Northwestern Expanded Metal Co. v. The Truscon Steel Co.* Interlocutory decree Oct. 23, 1924. Patent 796,402 valid and infringed as to claims 3 and 9. Patent 799,299 invalid as to claims 1, 2, and 3 for lack of invention. Claims 1, 9, 11 and 14 of Patent 1,125,526 not infringed.

799,299. (See 796,402.)

870,937, T. W. Coslett, Treatment of iron or steel for preventing oxidation or rusting, suit filed Oct. 22, 1924, D. C., E. D. Mich. (S. Div.), Doc. 851, *Parker Rust Proof Co. v. Stencart-Warner Speedometer Corp.*

904,183, G. Dalen, Filling mass for receivers for storing explosive gases; 1,140,124, same, Storing mass for acetylene gas, suit filed Aug. 9, 1924, D. C. Ind., Doc. 722, *American Gasaccumulator Co. v. The Prest-O-Lite Co.* Bill dismissed for want of equity Oct. 15, 1924.

968,576, C. R. Libby, Pneumatic-dispatch-tube apparatus, suits filed July 10, 1924, D. C., S. D. N. Y., Doc. E. 29/387, *The Lamson Co. v. Bloomingdale Bros., Inc.* Same, Doc. E. 29/388, *The Lamson Co. v. Bonnit Teller & Co.* Same, suits filed Oct. 21, 1924, D. C., W. D. N. Y., Doc. 730-D, *The Lamson Co. v. McCurdy & Co., Inc.* Same, Doc. 731-D, *The Lamson Co. v. J. N. Adams & Co.*

986,758, P. Richert, Taximeter or fare indicator for hired vehicles; 1,033,056, same, Locking shutter for taximeters; 1,084,032, Taximeter, suit filed Oct. 22, 1924, D. C., S. D. N. Y., Doc. E. 30/208, *Pittsburgh Taximeter Co. v. H. Kamalla et al.*

1,004,505, A. V. L. Verneuil, Synthetic sapphires, suit filed July 11, 1924, D. C., S. D. N. Y., Doc. E. 30/2, *L. Heller & Son, Inc., v. M. Konlich.* Final

consent decree sustaining patent, adjudging infringement, and granting perpetual injunction filed Oct. 22, 1924.

1,018,502, Just & Hanaman, Incandescent body for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes, final consent decree sustaining patents, adjudging infringement upon all claims of Patent 1,018,502 and upon claims 24 to 34 of 1,082,933, and granting injunction filed Oct. 17, 1924, D. C., S. D. N. Y., Doc. E. 30/184, *General Electric Co. v. Five Seas Trading Corp., et al.*

1,033,056. (See 986,758.)

1,082,933. (See 1,018,502.)

1,084,032. (See 986,758.)

1,125,526. (See 796,402.)

1,140,124. (See 904,183.)

1,144,318, 1,240,169, 1,308,979, 1,308,969, J. Blackburn, Cable hanger, suit filed Oct. 24, 1924, D. C., N. D., Ohio (E. Div.), Doc. 1301, *J. Blackburn et al. v. The National Telephone Supply Co.*

1,169,390, L. Cohen, Self-adjusting hat conformer and retainer; 1,209,121, same, Combined hat lining and bandeau, suit filed Oct. 23, 1924, D. C., S. D. N. Y., Doc. E. 30/211, *L. Cohen et al. v. R. L. Martean (The E-Z Band-O Co.).*

1,191,306, T. A. Hoover, Bumper for vehicles; 1,221,800, same, Automobile bumper, suit filed Sept. 29, 1924, D. C., E. D. Wis., Doc. 1481 C. D., *American Chain Co., Inc. v. Badger Mfg. Corp.*

1,209,121. (See 1,169,380.)

1,221,800. (See 1,191,306.)

1,224,008, 1,224,712, R. Clark, Drain for sinks, suit filed Oct. 24, 1924, D. C., N. D. N. Y., Doc. 544, *Bridgeport Brass Co. v. J. B. Wise, Inc.*

1,224,712. (See 1,224,603.)

1,240,169. (See 1,144,318.)

1,273,022, Ashmore & Morgan, Jr., Process and device for finishing concrete pavements, suit filed Oct. 21, 1924, D. C., N. D. N. Y., Doc. 543, *Macon Concrete Roller Co. v. G. B. Dickinson.* Same, suit filed Oct. 27, 1924, D. C. Md., Doc. E. 653, *Macon Concrete Roller Co. v. Phillips & Neal.*

1,289,558, R. F. Sedgely, Wrench, suit filed Oct. 24, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1302, *The Perry Fay Co. et al. v. The Great Western Auto Supply Co.*

1,296,182, W. P. Hammond, Glass-covered dashboard for automobiles, suit filed Oct. 20, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1299, *W. P. Hammond v. Paige-Ohio Co.*

1,300,178, G. Lane, Process of producing legends in black on motion-picture negatives, appeal filed Oct. 21, 1924, C. C. A. (2d Cir.), Doc. 8513, *G. Lane v. Craftsmen Film Laboratories, Inc.*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Oct. 3, 1924, D. C. Ind., Doc. 838, *Bassick Mfg. Co. v. G. B. Ely (Auto Equipment Co.).*

- 1,307,734. (See 1,307,733.)
 1,308,069. (See 1,144,318.)
 1,308,979. (See 1,144,318.)
 1,309,379. (See 1,383,693.)
 1,310,588, A. Thoma, Shoe-bottom-filling machine, suit filed Oct. 25, 1924, D. C. Mass., Doc. E 2017, *North American Chemical Co. et al. v. G. H. Lucey*.
 1,352,705. (See 1,383,693.)
 1,352,706. (See 1,383,693.)
 1,383,693, 1,383,694, J. B. Bolton, Collar; 1,300,379, 1,352,705, 1,352,706, J. M. Van Heusen, same, appeal filed Oct. 17, 1924, C. C. A. (2d Cir.), Doc. 8509, *Van Heusen Products, Inc., et al. v. Earl & Wilson*.
 1,383,694. (See 1,383,693.)
 1,405,773, Re. 15,502, 1,489,996, W. M. Folberth, Windshield-cleaning apparatus, suit filed Oct. 25, 1924, D. C., W. D. N. Y., Doc. 732-D, *The Folberth Auto Specialty Co. v. Trico Products Corp.*
 1,465,921, Herz & Conti, Packaging machine, suit filed Oct. 24, 1924, D. C., S. D. N. Y., Doc. E 30/212, *A. Herz v. Sani Packet Products Co., Inc.*
 1,489,996. (See 1,405,773.)
 T. M. 83,913, H. H. Hughes, Stock and poultry food, suit filed Oct. 20, 1924, D. C., N. D. Ala., Doc. 516, *Ralston Purina Co. v. Western Grain Co.*
 Des. 59,736, M. S. George, Garment protector, appeal filed Sept. 29, 1924, C. C. A. (8th Cir.) Doc. 6584 *M. S. George v. R. F. Perkins*. Decree of District Court, Eastern District of Missouri, affirmed Sept. 29, 1924.
 Re. 15,401, L. S. Van Westrum, Method of making roads, suit filed Sept. 12, 1923, D. C. Del., Doc. E 526, *Bituminous Products Co. v. Headley Good Roads Co.* Final decree entered Oct. 21, 1924, adjudging claims 1, 2, and 3 invalid for want of patentable novelty.
 Re. 15,502. (See 1,405,773.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,442,496, E. W. Seeger, Electrical controller, decided September 19, 1924, claims 1, 2, 3, 4, and 5.

Pat. 1,446,318, W. Penzold, System for electrically heating liquids, decided October 3, 1924, claims 1 and 2.

ADJUDICATED PATENTS.

(D. C. Cal.) The Means patent No. 922,709, for signaling system, claim 4 held valid and infringed. *Skywriting Corporation of America v. Rogers Aircraft, Inc.*, 300 Fed. Rep., 998.

Notices of Cancellation.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.
Penn Textile Company, its assigns or legal representatives, take notice:
 A cancellation proceeding having been instituted by this Office upon the application of The Eddystone Manufacturing Company, Eddystone, Pa., to effect the cancellation of the trade-mark registration of the Penn Textile Company, 102 Fifth Avenue, New York, N. Y., No. 148,915, dated November 29, 1921, and the notice of such proceeding sent by registered mail to the said Penn Textile Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Penn Textile Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Oct. 30, 1924.
J. Forney Draper & Co., their assigns or legal representatives, take notice:
 A cancellation proceeding having been instituted by this Office upon the application of James Graham, of No. 535 Fourth Street, Milwaukee, Wis., to effect the cancellation of the trade-mark registration of J. Forney Draper & Co., of Albia, Iowa, No. 40,356, dated May 12, 1903, and the notice of such proceeding sent by registered mail to the said J. Forney Draper & Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said J. Forney Draper & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 12, 1924.
Water Power Vacuum Cleaner Company, its assigns or legal representatives, take notice:
 A cancellation proceeding having been instituted by this Office upon the application of M. S. Wright Company, of Worcester, Mass., to effect the cancellation of the trade-mark registration of Water Power Vacuum Cleaner Company, of 728-732 Main Street, Buffalo, N. Y., No. 84,556, dated December 19, 1911, and the notice of such proceeding sent by registered mail to the said Water Power Vacuum Cleaner Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Water Power Vacuum Cleaner Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will proceed as by default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Disclaimer.

1,393,994.—*Stephen Ivan Fekete*, Detroit, Mich. STOVE FOR INTAKE-MANIFOLDS OF INTERNAL-COMBUSTION ENGINES. Patent dated October 18, 1921. Disclaimer filed November 12, 1924, by the assignee *Essex Motors*.

Hereby enters this disclaimer to that part of the claim in said patent which is in the following words, to wit:

"1. In combination with the intake manifold of an internal combustion engine, a stove in position to heat the manifold and means for supplying an automatically measured quantity of liquid fuel to the stove."

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 25, 1924.

[Vol. 328. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 165,981. (CLASS 25. LOCKS AND SAFES.)
 BRIGGS & STRATTON COMPANY, Milwaukee, Wis. Filed June 24, 1922.



Particular description of goods.—Automobile Locks, Compartment Locks, and Locking Door Handles.
 Claims use since July, 1921.

Ser. No. 170,846. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE UNITED STATES FINISHING COMPANY, New York, N. Y. Filed Oct. 17, 1922.

Sterling Finish

The exclusive use of the word "Finish" apart from the mark shown is disclaimed.

Particular description of goods.—Finished Cotton Piece Goods.

Claims use since Sept. 20, 1922.

Ser. No. 177,724. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.)
 W. C. BOYLES, Winston-Salem, N. C. Filed Mar. 20, 1923.

**OLD HICKORY
TUBE
PATCH**

No claim is made to the words "Tube Patch" apart from the mark shown in the drawing.

Particular description of goods.—Rubber Patching Together with Tube of Cement and Tin File Used for Cleaning the Surface Before Applying the Cement and Patching. Said Patching is Used to Patch Inner Tubes, Tires, Rubber Shoes and Boots, and Any and All Kinds of Rubber Goods.

Claims use since Feb. 1, 1923.

Ser. No. 181,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRKS CRAWFORD & LINDSAY, LTD., Vancouver, British Columbia, Canada. Filed June 9, 1923.

FRIAR

Particular description of goods.—Canned Salmon.
 Claims use since 1920.

Ser. No. 183,573. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE L. JACKSON, doing business as Keepwell Mfg. & Medicine Co., Charleston, W. Va. Filed July 23, 1923.

IN-GO SALVE

No claim is made to the word "Salve" apart from the mark shown.

Particular description of goods.—Salve for the Treatment of Influenza, Pneumonia, Sore Throat, Colds in Chest, Bruises, Cuts, Burns, Croup, and Backache.

Claims use since Dec. 1, 1921.

Ser. No. 183,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KRONBERGER'S LABORATORIES, Boston, Mass. Filed July 27, 1923.



No claim is made to the word "Bitters" apart from the mark shown.

Particular description of goods.—Appetizing and Digestive Tonic.

Claims use since May 11, 1923.

Ser. No. 184,003. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & Co., New York, N. Y. Filed Aug. 2, 1923.



A line of brown color extending around the top edge of the net, as indicated by the color lines shown in the drawing, no claim being made to the representation of a laundry net.

Particular description of goods.—Laundry Bags.

Claims use since June 12, 1923.

Ser. No. 184,004. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & Co., New York, N. Y. Filed Aug. 2, 1923.



A line of green color extends around the top edge of the net, as indicated by the color lines shown in the drawing, no claim being made to the representation of a laundry net.

Particular description of goods.—Laundry Bags.

Claims use since June 12, 1923.

Ser. No. 184,005. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & Co., New York, N. Y. Filed Aug. 2, 1923.



Trade-mark comprises a line of orange color extending around the top edge of net, as indicated by the color line shown in the drawing, no claim being made to the representation of a laundry net.

Particular description of goods.—Laundry Bags.

Claims use since Apr. 24, 1923.

Ser. No. 184,006. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & Co., New York, N. Y. Filed Aug. 2, 1923.



A line of purple color extends around the top edge of the net, as indicated by the color lines shown in the drawing, no claim being made to the representation of a laundry net.

Particular description of goods.—Laundry Bags.

Claims use since Dec. 18, 1922.

Ser. No. 184,007. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & Co., New York, N. Y. Filed Aug. 2, 1923.



Trade-mark consists of red color extending around the top edge of the net, as indicated by the color lines shown in the drawing, no claim being made to the representation of a laundry net.

Particular description of goods.—Laundry Bags.

Claims use since Apr. 5, 1923.

328 O. G.—52

Ser. No. 184,379. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ERNST BRÜCKMANN, Ohligs-Sollingen, Rhineland, Germany. Filed Aug. 13, 1923.



Particular description of goods.—Pocketknives, Razors, Safety Razors, Blades for Safety Razors, Hair Clippers, Hair-Cutting Machines, Forks of Base Metal, Table Knives of Base Metal, Shears, and Scissors.

Claims use since Dec. 13, 1920.

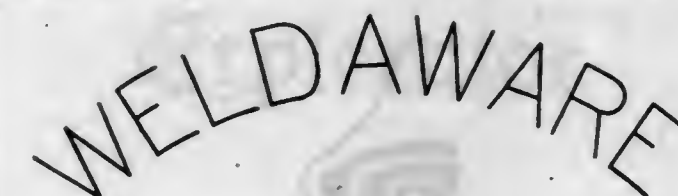
Ser. No. 184,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ ANONYME DE LABORATOIRE DE LA RADIOVIE, Paris, France. Filed Aug. 13, 1923.

RADIOVIE

Particular description of goods.—Bath Salts Having Medicinal and Radioactive Properties.

Claims use since May 30, 1923.

Ser. No. 184,950. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WELDA WARE PRODUCTS COMPANY, Erie, Pa. Filed Aug. 24, 1923.



Particular description of goods.—Cooking Utensils including Cereal Cookers, Double Boilers, Teakettles, Percolators, Kettles, Saucepans, Frying Pans, Skillets, Pie Pans, Pudding Dishes, Casseroles, Bread Pans, and Roasters.

Claims use since Aug. 2, 1923.

Ser. No. 185,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRALTZ & BAUER, INC., New York, N. Y. Filed Aug. 27, 1923.



Particular description of goods.—Chemicals and Essential Oils for Use in Paint, Varnish, and Rubber Manufacture.

Claims use since 1910.

Ser. No. 185,088. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MULTIPLE ELECTRIC PRODUCTS COMPANY, INC., New York, N. Y. Filed Aug. 28, 1923.

Atlas

Particular description of goods.—Radio Loud Speakers and Loud-Speaker Units.
Claims use since Nov. 1, 1922.

Ser. No. 185,127. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) METROPOLITAN ELECTRIC PROTECTIVE CO. INC., New York, N. Y. Filed Aug. 29, 1923.

Metropolitan Protection

Without waiving any common-law rights applicant disclaims the word "Protection" apart from the mark shown.
Particular description of goods.—Electric Burglar-Alarm Installations and Parts Thereof.
Claims use since about Jan. 1, 1907.

Ser. No. 185,184. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) METROPOLITAN ELECTRIC PROTECTIVE CO. INC., New York, N. Y. Filed Aug. 30, 1923.



Particular description of goods.—Electrical Burglar-Alarm Installations, Parts, and Supplies.
Claims use since about Apr. 27, 1923.

Ser. No. 185,444. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Sept. 7, 1923.

CENCO

Particular description of goods.—Electric Batteries, Electric Motors, Electric Generators, Electric Rheostats, Electric Stirrers, Electric Furnaces and Electric Distillation Apparatus, Electric Knife Switches and Point Switches, and Clock-Controlled Electric Switches.
Claims use since November, 1910.

Ser. No. 185,511. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EDWIN M. COX, EVART, MICH. Filed Sept. 8, 1923.

Edwin.
□ □ □ □

M. Cox

Particular description of goods.—Nut Locks.
Claims use since June, 1923.

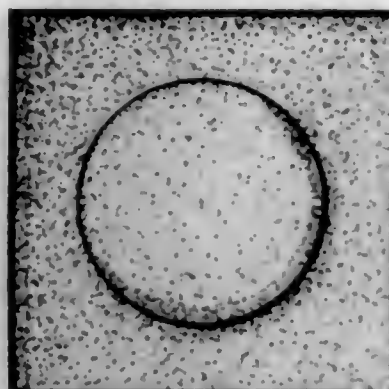
Ser. No. 186,650. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES R. KENDRICK CO. INC., Philadelphia, Pa. Filed Oct. 6, 1923.

Kenlastic

Particular description of goods.—Abdominal supporters, Shoulder Caps, Kneecaps, Elbow Caps, Thigh Kneecaps, Leggings, Knee Leggings, Thigh Leggings, Knee Stockings, Thigh Stockings, Thigh Pieces, Garter Stockings, Anklets, Wristlets, Mittens, Bust Confineers, Hip Confineers, and Corset Elastics, All in the Nature of Body Corrective Devices.

Claims use since about Mar. 14, 1922.

Ser. No. 188,165. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HENRY STOCKMAN, Elizabeth, N. J. Filed Nov. 9, 1923.



Particular description of goods.—Leather.
Claims use since Sept. 19, 1923.

Ser. No. 191,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HACO-GESELLSCHAFT A.-G. BERN, Berne, Switzerland. Filed Jan. 24, 1924.

HACO

Trade-mark consists of the word "Haco."
Particular description of goods.—Antiseptic for External and Internal Use Containing Albuminous Compounds.

Claims use since June 30, 1922.

Ser. No. 191,515. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) YORK AND COMPANY, Grand Rapids, Mich. Filed Jan. 30, 1924.



The descriptive words "Coal, Quality, Preparation" and the representation of a lump of coal are disclaimed by applicant apart from the mark shown.

Particular description of goods.—Coal.
Claims use since Jan. 22, 1924.

Ser. No. 191,590. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. B. ELEKTROLUX, Stockholm, Sweden. Filed Feb. 1, 1924.

ELEKTROLUX

Particular description of goods.—Electrically-Driven Vacuum Cleaners.
Claims use since June 26, 1920.

Ser. No. 192,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS DE GROFF & SON, New York, N. Y. Filed Feb. 28, 1924.

MARCA BELVEDERE

No claim is made to the exclusive use of the word "Marca" apart from the mark shown.
Particular description of goods.—Olive Oil.
Claims use since May, 1912.

Ser. No. 193,698. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) COMPRESSED GAS CORPORATION, Denver, Colo. Filed Mar. 13, 1924.

TRADE

ILOX

MARK

All rights to the use of the words "Trade-Mark" are herewith disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Cartridges, Fuses, and Detonators.
Claims use since Sept. 11, 1923.

Ser. No. 195,199. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN SHULTER, doing business as B. Shulter Textile Company, New York, N. Y. Filed Apr. 8, 1924.



Particular description of goods.—Linen and Cotton Tablecloths, Dollies, Napkins, and Towels.
Claims use since Jan. 2, 1924.

Ser. No. 195,681. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EXPLORATION BODEN-UNTERSUCHUNGS- UND VERWERTUNGS G. M. B. H., Charlottenburg, Germany. Filed Apr. 17, 1924.

Explorator

Particular description of goods.—Geological Exploring Instruments.
Claims use since Jan. 1, 1924.

Ser. No. 196,050. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HASKELL, ADAMS CO., Boston, Mass. Filed Apr. 24, 1924.

Rival

Particular description of goods.—Ginger Ale, Fruit Syrup for Beverage Purposes, and Grape Juice.
Claims use since 1875.

Ser. No. 196,060. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE HENSHEL CO., INC., New York, N. Y. Filed Apr. 24, 1924.



Particular description of goods.—Jewelry—viz, Finger Rings, Scarfpins, Bar Pins, Bracelets, Brooches, Earrings, and Watch and Neck Chains.
Claims use since Apr. 2, 1924.

Ser. No. 196,777. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed May 8, 1924.



Trade-mark "Dermaseptic." The words "The Perfect Shaving Cream" shown in the drawing are disclaimed.
Particular description of goods.—Shaving Cream in the Form of Soap Cream.
Claims use since about Jan. 1, 1922.

Ser. No. 196,935. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ AVE. L'AVEBENE, Paris, France. Filed May 12, 1924.



Particular description of goods.—Chemical Products for Agglomerating or Coating Sand Cores or Sand Molds, as Well as Products for Agglomerating All Combustible Materials and All Pulverulent Mineral and Metallic Materials.

Claims use since Mar. 7, 1924.

Ser. No. 196,945. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WINKLER-REICHMANN COMPANY, Chicago, Ill. Filed May 12, 1924.

Thorola

The lines appearing in drawing are for shading only.
Particular description of goods.—Horns for Loud-Speaking Receivers and the Bases Which Support Said Horns in Connection with Radio Devices.
Claims use since Apr. 1, 1924.

Ser. No. 196,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN SCOWCROFT & SONS CO., Ogden, Utah. Filed May 13, 1924.

Full o' Flavor

Particular description of goods.—Coffee, Spices, and Olive Oil.
Claims use since about Jan. 1, 1923.

Ser. No. 197,200. (CLASS 39. CLOTHING.) WILLIAM HAGGENSBOTHAM, New York, N. Y. Filed May 17, 1924.



The outer border and background of the trade-mark, as shown in the drawing, are black, the border line and upper horizontal panel are orange, as are also the border for the picture, and the face, the high lights on the hat, and the coat collar of the man shown in said picture. The other parts of the design are light blue, while the lettering and other parts shown in black are black. The edgings around the upper and lower cross bars and the vertical bar connecting them are white, as indicated in the drawing. All the words on the drawing are disclaimed apart from the mark shown.

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1924.

Ser. No. 197,254. (CLASS 39. CLOTHING.) CHICAGO BARGAIN HOUSE, Chicago, Ill. Filed May 19, 1924.



The portrait appearing on the drawing of the trade-mark is a fanciful picture. No exclusive claims are made to the words "Hats" and "Chicago" appearing on the drawing except in connection with the mark as shown.
Particular description of goods.—Hats for Women.
Claims use since May 8, 1924.

Ser. No. 197,256. (CLASS 39. CLOTHING.) CHICAGO BARGAIN HOUSE, Chicago, Ill. Filed May 19, 1924.



The portrait appearing on the drawing of the trade-mark is a fanciful picture. No exclusive claims are made to the words "Hats" and "Chicago" appearing on the drawing except in connection with the mark as shown.

Particular description of goods.—Hats for Women.
Claims use since May 8, 1924.

Ser. No. 197,299. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE SAMSON, New York, N. Y. Filed May 19, 1924.



The words "New Armenia" are not claimed apart from the mark shown in the drawing.
Particular description of goods.—Hair Restorer.
Claims use since May 24, 1914.

Ser. No. 197,335. (CLASS 39. CLOTHING.) PAUL MANDEL & BRO., Philadelphia, Pa. Filed May 20, 1924.



The word "Serge" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Men's and Young Men's Suits.
Claims use since August, 1923.

Ser. No. 197,487. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOYCE-KOEBEL DIAMOND COMPANY, INC., New York, N. Y. Filed May 23, 1924.

DYKON

Particular description of goods.—Diamond-Pointed Tools for Cutting, Grinding, Dressing, and the Like.
Claims use since May 10, 1924.

Ser. No. 197,488. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOYCE-KOBEL DIAMOND COMPANY, INC., New York, N. Y. Filed May 23, 1924.



Particular description of goods.—Gauges for Diamond-Pointed Tools.

Claims use since May 10, 1924.

Ser. No. 197,982. (CLASS 15. OILS AND GREASES.) GRIPITE COMPANY, Chicago, Ill. Filed June 2, 1924.



No claim is made to the lining, which indicates red color on the drawing. Trade-mark "Gripite."

Particular description of goods.—Spring Lubricants.

Claims use since Apr. 1, 1924.

Ser. No. 198,028. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLICENT W. PITT, doing business as Thrift & Perseverance Mfg. Co., New York, N. Y. Filed June 3, 1924.



Particular description of goods.—Skin Lotions and a Preparation for Internal and External Use in the Treatment of Colds, Chills, La Grippe, Cold Feet and Hands, Cramps, and Sore Throat.

Claims use since July 1, 1923.

Ser. No. 198,207. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.



Particular description of goods.—Adhesive in Powder and Liquid Form.

Claims use since February, 1923.

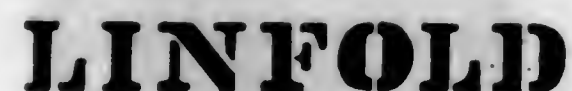
Ser. No. 198,278. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN INSULATION COMPANY, Philadelphia, Pa. Filed June 9, 1924.



Particular description of goods.—Asbestos Shingles.

Claims use since Jan. 2, 1924.

Ser. No. 198,303. (CLASS 37. PAPER AND STATIONERY.) GREAT LAKES PAPER COMPANY, Chicago, Ill. Filed June 9, 1924.



Particular description of goods.—Paper—Namely, Book Paper.

Claims use since May 22, 1924.

Ser. No. 198,396. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LOUIS A. BOETTIGER CO., New York, N. Y. Filed June 11, 1924.



Without waiving any of its common-law rights applicant does not claim any exclusive rights in the descriptive words "Sells Well."

Particular description of goods.—Baby Pacifiers, Eye Shades, Finger Cots, Manicure Files, Manicure Sticks, Nipple Shields, Nursing-Bottle Protectors, Nursing Nipples, Teethers, Tweezers, Wristbands, and Sport Shades.

Claims use since about Dec. 1, 1922.

Ser. No. 198,423. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CARRIE HALE RAMBONNET, New York, N. Y. Filed June 11, 1924.



The words "Cleanses Everything" are disclaimed as part of the trade-mark.

Particular description of goods.—A General Household Cleanser.

Claims use since June 1, 1920.

Ser. No. 198,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURMA-VITA COMPANY, Minneapolis, Minn. Filed June 12, 1924.



Particular description of goods.—Preparation for External Use in the Treatment of Sprains, Bruises, Burns, Colds, Neuralgia, Rheumatism, Nervous Disorders, Headache, and Insomnia.

Claims use since Apr. 1, 1924.

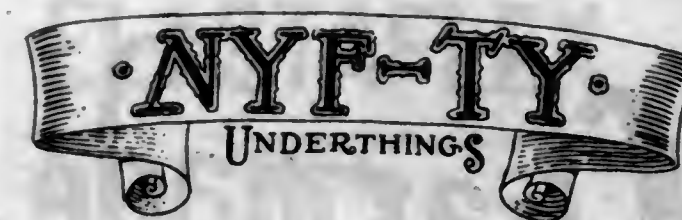
Ser. No. 198,988. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CORNING GLASS WORKS, Corning, N. Y. Filed June 23, 1924.



Particular description of goods.—Condenser Lenses, Light Filters, Mirror Blanks for Scientific Apparatus, Navy Sight Glasses, and Vacuum Pumps.

Claims use since Nov. 3, 1920.

Ser. No. 199,432. (CLASS 39. CLOTHING.) MAYER-STERN COMPANY, INCORPORATED, New York, N. Y. Filed July 1, 1924.



No claim is made to the word "Underthings" except in the form shown in the drawing.

Particular description of goods.—Knitted and Woven Women's and Men's Underwear.

Claims use since Mar. 15, 1924.

Ser. No. 199,452. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANDREW'S MILL COMPANY, Frankford, Philadelphia, Pa. Filed July 2, 1924.



Particular description of goods.—Woolen Goods in the Piece.

Claims use since July, 1923.

Ser. No. 199,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. J. RITTER COMPANY, Philadelphia, Pa. Filed July 11, 1924.

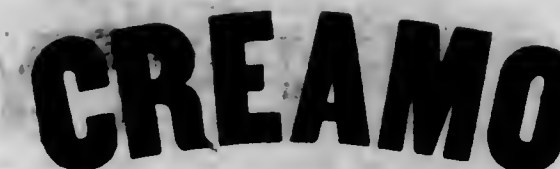


No claim is made to the words "Non-Fattening Mayonnaise."

Particular description of goods.—Mayonnaise Dressing.

Claims use since June 27, 1924.

Ser. No. 200,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOYD PACKING CO., Richmond, Va. Filed July 16, 1924.



Particular description of goods.—Lard Compound Composed of Vegetable Oil, Oleostearine, Pure Lard, and Cheese.

Claims use since Mar. 1, 1920.

Ser. No. 200,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARMADE COSMETIC COMPANY, Cincinnati, Ohio. Filed July 16, 1924.

Charmade

(Charm-Aid)

Particular description of goods.—Cold Creams and Vanishing Creams.
Claims use since June 22, 1923.

Ser. No. 200,265. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KENT-MOORE ORGANIZATION, Detroit, Mich. Filed July 19, 1924.

"JIFFY-TOOLS"

No claim is made to the exclusive use of the word "Tools" apart from the other features of the mark as shown in the accompanying drawing.

Particular description of goods.—Sets of Motor-Car Repair Tools.
Claims use since March, 1923.

Ser. No. 200,417. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BEAVER MACHINE & TOOL CO., INC., Newark, N. J. Filed July 24, 1924.

PEN-TAP

Particular description of goods.—Electrical Plugs, Attachment Plugs, and Switch Plugs.
Claims use since Apr. 1, 1924.

Ser. No. 200,842. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUBURN ELECTRIC CO., Butler, Ind. Filed Aug. 2, 1924.

VANITY

Particular description of goods.—Electric Curling Irons, Electric Marcel-Wave Irons, Electric Toasters, Electric Heating Pads for General Use, and Electric Hair Wavers.
Claims use since Oct. 2, 1922.

Ser. No. 200,843. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUBURN ELECTRIC CO., Butler, Ind. Filed Aug. 2, 1924.

PRISCILLA

Particular description of goods.—Electric Curling Irons, Electric Marcel-Wave Irons, Electric Toasters, Electric Heating Pads for General Use, and Electric Hair Wavers.

Claims use since Oct. 2, 1922.

Ser. No. 200,952. (CLASS 39. CLOTHING.) LEVIZUKOSKI MERCANTILE COMPANY, St. Louis, Mo. Filed Aug. 4, 1924.



Particular description of goods.—Girls' and Ladies' Hats.
Claims use since June 10, 1924.

Ser. No. 201,024. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES CROSSIE & SON, Belfast, Ireland. Filed Aug. 6, 1924.

SUNSPITE

Particular description of goods.—Handkerchiefs in Linen, Cotton, Silk, or Mixed Cloths Composed of These Materials, and Bedspreads, Sheets, Pillowcases, Shams or Sheet Shams, Tablecloths, Napkins, Bureau Scarfs, Table Centers, and Dollies.
Claims use since 1922.

Ser. No. 201,156. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) M. F. PATTERSON DENTAL SUPPLY COMPANY, Chicago, Ill., and St. Paul, Minn. Filed Aug. 8, 1924.

M. F. Knapp

The trade-mark is the facsimile of the signature of Dr. K. W. Knapp of the applicant company.

Particular description of goods.—Gold and Platinum Alloy Metal for Dental Inlays and Bridgework.
Claims use since July 23, 1924.

Ser. No. 201,386. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DUQUESNE PAINT COMPANY, Pittsburgh, Pa. Filed Aug. 13, 1924.



The vertically and horizontally lined portions of the flag respectively represent red and blue fields, and the body of the flag is surrounded by a yellow-colored fringe, while the cords and tassels are also yellow in color.

Particular description of goods.—Ready-Mixed Paints.
Claims use since about Jan. 1, 1898.

Ser. No. 201,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. P. PAUL & COMPANY, New York, N. Y. Filed Aug. 14, 1924.

Pearlines

Particular description of goods.—Preparations to be Used in the Treatment of Bronchitis, Pneumonia, Uterovarian Diseases, Amenorrhea, Dysmenorrhea, Menorrhagia, Metrorrhagia, Menopausal Disturbances, Gonorrhea, and Cystitis.
Claims use since October, 1923.

Ser. No. 201,470. (CLASS 39. CLOTHING.) SELLMORE DRESS COMPANY, INC., New York, N. Y. Filed Aug. 15, 1924.



No claim is made to the word "Blouses" apart from the mark shown on the drawing.

Particular description of goods.—Ladies', Misses', and Children's Dresses and Blouses.
Claims use since July 15, 1924.

Ser. No. 201,500. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PAINT SPECIALTIES, INC., Palmyra, N. J. Filed Aug. 16, 1924.

ELASTAFLEX

Particular description of goods.—Paste and Ready-Mixed Paints, Varnishes, Enamels, and Liquid Rust and Acid Inhibitive and Waterproofing Binders; Vehicles and Ingredients for Paints, Varnishes, and Enamels; Binder for Concrete, and Sizing for Plaster and Walls.
Claims use since on or about Dec. 23, 1923.

Ser. No. 201,627. (CLASS 37. PAPER AND STATIONERY.) H. F. ROGERS & Co., Huntington, N. Y. Filed Aug. 19, 1924.

Rendezvous

Particular description of goods.—Pocket Memorandum Books.
Claims use since June 7, 1924.

Ser. No. 201,629. (CLASS 27. HOROLOGICAL INSTRUMENTS.) STAR WATCH CASE CO., Ludington, Mich. Filed Aug. 19, 1924.

WATCH STAR CASE COMPANY

Particular description of goods.—Solid-Gold and Gold-Filled Watchcases.
Claims use since Feb. 5, 1909.

Ser. No. 201,636. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERLY TEXTILE COMPANY, Westerly, R. I. Filed Aug. 19, 1924.

Westerly

Particular description of goods.—Textile Piece Goods of Cotton and also of a Mixture of Cotton and Artificial Silk—Namely, Dress Goods, Draperies, Hat Cloths, Brassiere Cloths, Cloths for Corset Trade, Nettings for Laundry Bags, Horse Nettings, Mosquito Nettings, Upholstery Cloths, Embroidery Cloths, Linings, Shirtings, Suitings, and Automobile Fabrics.
Claims use since 1914.

Ser. No. 201,724. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 21, 1924.



No claim is made to the words "Benzine" and "High Quality" apart from the mark shown.

Particular description of goods.—Benzine.
Claims use since 1908.

Ser. No. 201,737. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BILHUBER-WAWAK COMPANY, Chicago, Ill. Filed Aug. 22, 1924.

DREDMILL

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 22, 1924.

Ser. No. 201,770. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. MUELLER, Inc., Washington, D. C. Filed Aug. 22, 1924. Under ten-year proviso.



Particular description of goods.—Cough Drops.
Claims use since 1891.

Ser. No. 201,849. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARTIN A. KLEIN, New York, N. Y. Filed Aug. 25, 1924.

Pearlace

Particular description of goods.—Artificial-Pearl Necklaces.
Claims use since Aug. 5, 1924.

Ser. No. 201,860. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOHN SIMMONS CO., New York, N. Y. Filed Aug. 25, 1924. Under ten-year proviso.

SIMMONS

Particular Description of goods.—Steel and Other Metal Pipe, Metal Valves for Pipe Lines and the Like, Sectional Pile Casing, Lock-Nut Plates, Unions, Exhaust Heads, Gauge Cocks, Pipe Hangers, Hose Racks, Lavatory Basins, Showers, Water-Closets, Cocks and Seats and Traps Therefor.

Claims use since about Dec. 1, 1890.

Ser. No. 201,896. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED E. HENDEY, doing business as The Malter Company, New York, N. Y. Filed Aug. 26, 1924.



Particular description of goods.—Medicinal Preparation Used as a General Tonic.
Claims use since June 1, 1918.

Ser. No. 201,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Aug. 26, 1924.



The drawing is lined to indicate the color yellow. No claim is made to the outline of the carton.

Particular description of goods.—Insecticides, Disinfectants, and Deodorants.

Claims use since May 17, 1923.

Ser. No. 201,918. (CLASS 39. CLOTHING.) CRYSTAL MILLS, Inc., Brooklyn, N. Y. Filed Aug. 27, 1924.



The word "Knit" is disclaimed apart from the mark as shown.

Particular description of goods.—Women's, Misses', and Children's Dresses, Suits, Jackets, Scarfs, Sport Coats, and Vests Made of Knitted Fabrics, Made of Silk, Artificial Silk, Wool, Worsted, Cotton, and Mixtures of the Same.

Claims use since June 15, 1919.

Ser. No. 201,950. (CLASS 2. RECEPTACLES.) ESKIMO PIE CORPORATION, Chicago, Ill. Filed Aug. 28, 1924.



Particular description of goods.—Foil Wrappers and Carton Containers.

Claims use since Oct. 1, 1921.

Ser. No. 201,951. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Aug. 28, 1924.



The shading of drawing indicates red color, no claim being made to the words "Trade-Mark," "Pattern," "Color," "Size," "Finish," "Bed Blanket," and "Made in U. S. A." apart from the mark shown.

Particular description of goods.—Textile Blankets and Textile Blanket Materials.

Claims use since October, 1923.

Ser. No. 201,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILL MANUFACTURING COMPANY, Boston, Mass. Filed Aug. 28, 1924.

MIN-R-EL

Particular description of goods.—Cotton Piece Goods.
Claims use since June 13, 1924.

Ser. No. 201,961. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Filed Aug. 28, 1924.

BRIDE SILVER PLATE

The words "Silver Plate" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Silver-Plated Flat Tableware.

Claims use since March, 1922.

Ser. No. 201,965. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KLEIN BROS., New York, N. Y. Filed Aug. 28, 1924.

Marilyn Crepe

No claim is made for the word "Crepe" apart from the mark shown by the drawing.

Particular description of goods.—Silks and Crêpes in the Piece.

Claims use since May 1, 1924.

Ser. No. 201,966. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERT LEVI & CO. INC., New York, N. Y. Filed Aug. 28, 1924.



Exclusive use of the expressions "Fabrics," "Crepe," and "Cotton in Its Finest Guise" are hereby disclaimed, all common-law rights being expressly reserved.

Particular description of goods.—Textile Fabric Made of Silk and Cotton.

Claims use since July 5, 1924.

Ser. No. 202,018. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Aug. 29, 1924.

Red Strand

Particular description of goods.—Wire Fence.
Claims use since July 8, 1924.

Ser. No. 202,043. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEAR HILL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Aug. 30, 1924.

SUNBRIAR

Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 16, 1924.

Ser. No. 202,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHEL STOUT EVANS, Atlanta, Ga. Filed Aug. 30, 1924.



Particular description of goods.—Laxatives.
Claims use since Aug. 12, 1924.

Ser. No. 202,139. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PAWLING AND HARNISCHFGER COMPANY, Milwaukee, Wis. Filed Sept. 2, 1924.



Particular description of goods.—Cranes, including those of Clamshell and Orange Peel Types; Pile Drivers, and Excavating Machinery, Attachments, and Parts, including Power Shovels, Skimmer Scoops, Drag-Line Excavators, Back Fillers, Wheel-Type Trenchers, Ladder-Type Trenchers, Drainage-Wheel-Type Trenchers, Slide-Wheel-Type Trenchers, and Ditch Cleaners.
Claims use since Jan. 15, 1922.

Ser. No. 202,170. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EMIL KAHN, New York, N. Y. Filed Sept. 3, 1924.

HEE HAW!

A SENSATIONAL PARTY ENTERTAINER

Applicant disclaims the words "A Sensational Party Entertainer" apart from the mark shown on the drawing.
Particular description of goods.—Parlor Board Game.
Claims use since Jan. 4, 1924.

Ser. No. 202,186. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK F. TAYLOR, Norwood, Ohio. Filed Sept. 3, 1924.

PADDIE-CAR

No claim is made to the word "Car" apart from the mark as shown on the drawing.
Particular description of goods.—Toy Vehicles.
Claims use since July 1, 1924.

Ser. No. 202,187. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK F. TAYLOR, Norwood, Ohio. Filed Sept. 3, 1924.

TAYLOR-TOT

Particular description of goods.—Toy Vehicles.
Claims use since Jan. 1, 1922.

Ser. No. 202,222. (CLASS 2. RECEPTACLES.) THE RAYMOND BAG COMPANY, Middletown, Ohio. Filed Sept. 4, 1924.



No claim is made to the words "White Bags" except in the form and association shown in the drawing.
Particular description of goods.—Paper Receptacles, Paper Bags Used by Grocers, Bakers, Flour Mills, Candy Shops, Department Stores, Druggists, and Tobacconists.
Claims use since July 15, 1924.

Ser. No. 202,246. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE EQUIPMENT ENGINEERING COMPANY, Seneca, Kans. Filed Sept. 5, 1924.



No claim is made to the words "Piston Tire Pump" and the picture of the tire pump or "Seneca, Kansas, U. S. A." apart from their association as shown. The lining on the drawing merely indicates shading.
Particular description of goods.—Tire Pumps.
Claims use since on or about Apr. 1, 1923.

Ser. No. 202,268. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARGARET J. WINKLER, New York, N. Y. Filed Sept. 5, 1924.



MEMORIES

Particular description of goods.—Motion Pictures.
Claims use since June 1, 1924.

Ser. No. 202,269. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARGARET J. WINKLER, New York, N. Y. Filed Sept. 5, 1924.

REG'LAR KIDS COMEDY

No claim is made to the word "Comedy" except as used in conjunction with the other features of the mark.

Particular description of goods.—Motion Pictures.
Claims use since June 1, 1924.

Ser. No. 202,320. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BOOT'S PURE DRUG CO., LIMITED, Nottingham, England. Filed Sept. 8, 1924.

REGAID

Particular description of goods.—Absorbent Cotton Wool, Boric Wool, Surgical Lint, Double Cyanide Gauze Dressing, Sublimate Gauze Dressing, Alembroth Gauze Dressing, White Absorbent Gauze Dressing, Boracic Gauze Dressing, Iodoform Gauze Dressing, Carbollized Gauze Dressing, Suspensory Bandage Capsicum Tissue, and Boric Lint.

Claims use since Apr. 22, 1921.

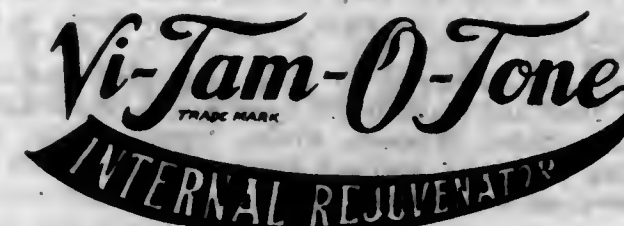
Ser. No. 202,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Sept. 8, 1924.

LIDO

Particular description of goods.—Perfumes, Toilet Waters, Face Creams, Brilliantine, Bath Salts, Eau de Cologne, and Rouges.

Claims use since Aug. 14, 1924.

Ser. No. 202,333. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALICE WUNDER EARLEY, Los Angeles, Calif. Filed Sept. 8, 1924.



No claim is made to the exclusive use of the words "Trade-Mark" or "Internal Rejuvenator" aside from the mark as shown in the drawing.

Particular description of goods.—Laxative Stomach Tonic.

Claims use since June 30, 1924.

Ser. No. 202,338. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GLEE COMPACT PHONOGRAPH CO., INC., Brooklyn, N. Y. Filed Sept. 8, 1924.



No claim is made to the words "Compact Phonograph" apart from the mark shown in the drawing.

Particular description of goods.—Phonographs.
Claims use since July 19, 1924.

Ser. No. 202,371. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN BOLT COMPANY, Birmingham, Ala. Filed Sept. 9, 1924.



In so far as there may be any representation of the goods in the mark any such representation is hereby disclaimed apart from the mark as used and shown in the drawing.

Particular description of goods.—Machine, Carriage, Track, Heel, and Blank Bolts, Nuts, Screws, Turnbuckles, Anchors, Plates, Washers, Rivets, Upsets, Bridge and Building Rods, and Railroad Surface Cattle Guards.

Claims use since July 1, 1903.

Ser. No. 202,389. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHARLES FENDERS, New York, N. Y. Filed Sept. 9, 1924.



The lining represents cross section.
Particular description of goods.—Pessaries.
Claims use since Mar. 1, 1924.

Ser. No. 202,393. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. GLEMBY'S SONS CO., Inc., New York, N. Y. Filed Sept. 9, 1924.



The lines shown in the drawing indicate shading and not any particular color scheme.

Particular description of goods.—Hair Nets.

Claims use since June 9, 1922.

Ser. No. 202,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Sept. 9, 1924.

COEUR DE PARIS

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since prior to 1912.

Ser. No. 202,422. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) TRAUMÜLLER & RAUM, Schwabach, Germany. Filed Sept. 9, 1924.

„Aegir“

Particular description of goods.—Needles for Phonographs and Talking Machines.

Claims use since 1910.

Ser. No. 202,426. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WERTHEIMER BROTHERS RIBBONS INC., New York, N. Y. Filed Sept. 9, 1924.

NU-IDEA

Trade-mark consists of the word "Nu-Idea."
Particular description of goods.—Fiber Ribbons in the Piece.

Claims use since July 1, 1924.

Ser. No. 202,480. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Filed Sept. 11, 1924.

TIGER

Trade-mark consists of the word "Tiger."
Particular description of goods.—Rope Clamps.
Claims use since Aug. 1, 1924.

Ser. No. 202,541. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE ASHTON VALVE COMPANY, Cambridge, Mass. Filed Sept. 12, 1924.

**MASTER
PRESSURE GAGE**

No claim is herein made to the words "Pressure Gage" apart from the mark shown by the drawing.

Particular description of goods.—Pressure Gauges.
Claims use since Aug. 1, 1919.

Ser. No. 202,542. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE ASHTON VALVE COMPANY, Cambridge, Mass. Filed Sept. 12, 1924.

**MASTER
PILOT GAGE**

No claim is made herein to the word "Gage" apart from the mark shown by the drawing.

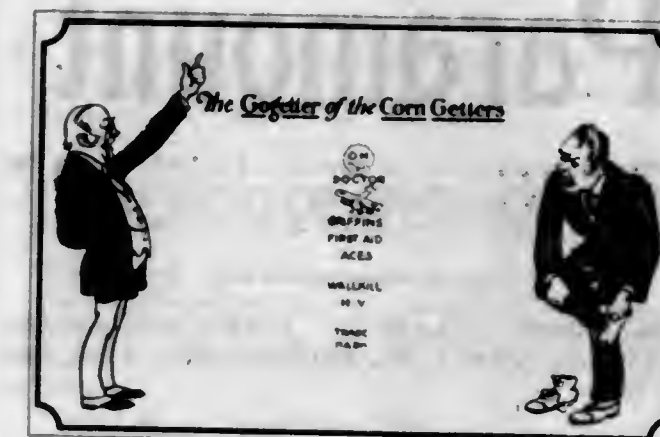
Particular description of goods.—Pressure Gauges.
Claims use since Aug. 1, 1919.

Ser. No. 202,554. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD JOHN GRIFFIN, Wallkill, N. Y. Filed Sept. 12, 1924.



The words "Wallkill" and "N. Y." and "Trade-Mark" are disclaimed apart from the mark shown.
Particular description of goods.—Corn Remedy Put Up in Liquid and Ointment Form.
Claims use since Jan. 2, 1924.

Ser. No. 202,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD JOHN GRIFFIN, Wallkill, N. Y. Filed Sept. 12, 1924.



The words "Wallkill," "Trade-Mark," and "N. Y." are disclaimed.

Particular description of goods.—Corn Remedy Put Up in Liquid and Ointment Form.
Claims use since Jan. 2, 1924.

Ser. No. 202,582. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COLLINS & AIKMAN CO., Philadelphia, Pa. Filed Sept. 13, 1924.

JACQUETTE

Particular description of goods.—Pile-Fabric Piece Goods and Cut Lengths.
Claims use since Sept. 2, 1924.

Ser. No. 202,589. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LEADER SPECIALTY CO. INC., Indianapolis, Ind. Filed Sept. 13, 1924.



The words "Tank Bulb" and the representation of a tank bulb are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Tank Bulbs.
Claims use since Aug. 18, 1924.

Ser. No. 202,596. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARAMOUNT LABORATORIES INC., Binghamton, N. Y. Filed Sept. 13, 1924.

Paramount

Particular description of goods.—Food-Flavoring Extracts, Essences, and Compounds.
Claims use since on or about Sept. 17, 1917.

Ser. No. 202,669. (CLASS 25. LOCKS AND SAFES.) THEODOR G. LURMAN, Jr., Baltimore, Md. Filed Sept. 16, 1924.

AUTO-PARKER

Particular description of goods.—Fencelike Thiefproof Inclosure for Automobiles.
Claims use since Aug. 30, 1924.

Ser. No. 202,670. (CLASS 25. LOCKS AND SAFES.) THEODOR G. LURMAN, Jr., Baltimore, Md. Filed Sept. 16, 1924.

PARK-A-TERIA

Particular description of goods.—Fencelike Thiefproof Inclosure for Automobiles.
Claims use since Aug. 30, 1924.

Ser. No. 202,719. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ROBERT M. SHIPLEY, Wichita, Kans. Filed Sept. 17, 1924.

KINGCRAFT

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches; Plated and Sterling Silver Flatware, Plated and Silver-Plated Hollow Ware, Plated and Sterling-Silver Toilet Ware.
Claims use since June, 1923.

Ser. No. 202,741. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) EDWARD CLARKE, New York, N. Y. Filed Sept. 18, 1924.

E.Z.C.

Particular description of goods.—Toothbrushes.
Claims use since Sept. 10, 1924.

Ser. No. 202,746. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FOUKE FUR COMPANY, St. Louis, Mo. Filed Sept. 18, 1924.



The word "St. Louis" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Fur Sealskins.
Claims use since May 8, 1924.

Ser. No. 202,747. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FOUKE FUR COMPANY, St. Louis, Mo. Filed Sept. 18, 1924.

Chataigne dor

GOLDEN CHESTNUT

Particular description of goods.—Fur Sealskins.
Claims use since May 8, 1924.

Ser. No. 202,752. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL TOOL COMPANY, Dayton, Ohio. Filed Sept. 18, 1924.

ITCO

Trade-mark consists of the word "Itco."
Particular description of goods.—Metal-Working Punches, Dies, Jigs, and Fixtures and Special Machinery Made to Order.
Claims use since May 28, 1924.

Ser. No. 202,753. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL TOOL COMPANY, Dayton, Ohio. Filed Sept. 18, 1924.



Particular description of goods.—Metal Punches, Dies, Jigs, and Fixtures and Special Machinery Made to Order.
Claims use since Sept. 5, 1924.

Ser. No. 202,766. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE J. ZISCH, Newark, N. J. Filed Sept. 18, 1924.

Reverso

Trade-mark consists of the word "Reverso."
Particular description of goods.—Jack Plugs and Switches Used in Telephone and Telegraph Apparatus.
Claims use since Aug. 2, 1924.

Ser. No. 202,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABELARDO F. CAMPA, doing business as Campa's Products, New York, N. Y. Filed Sept. 19, 1924.



The wording on the trade-mark "Flame-Proofing" is disclaimed apart from the trade-mark. The vertical, inclined, and horizontal section lines in the drawing con-

328 O. G.—53

ventionally represent the colors red, green, and blue, respectively; but no claim is made to the specific colors indicated in the specimens filed with this application.
Particular description of goods.—Flameproofing Compounds.

Claims use since June 1, 1924.

Ser. No. 202,773. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CORPORATION TRUST COMPANY, New York, N. Y. Filed Sept. 19, 1924.

THE CORPORATION JOURNAL

Trade-mark "The Corporation Journal."
Particular description of goods.—Publication Issued Monthly Except During the Months of July, August, and September, Being a Publication in the Interests of Corporations.
Claims use since October, 1908.

Ser. No. 202,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORIAN INC., Des Moines, Iowa. Filed Sept. 19, 1924.

Florian

Trade-mark consists of the word "Florian."
Particular description of goods.—Face Powder.
Claims use since 1907.

Ser. No. 202,800. (CLASS 38. PRINTS AND PUBLICATIONS.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Sept. 20, 1924.

KODAK

Particular description of goods.—Photographic Prints and Enlargements.
Claims use since on or before July 1, 1909.

Ser. No. 202,802. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RICHARD FALTER, doing business as Richard Falter Company, New York, N. Y. Filed Sept. 20, 1924.

QUILTOPAD

Particular description of goods.—Textile Crib Sheets and Sheeting.
Claims use since Sept. 2, 1924.

Ser. No. 202,805. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) **THE GREASE SPOT, INC.**, Philadelphia, Pa. Filed Sept. 20, 1924.



Particular description of goods.—Lubricating Apparatus and Parts Thereof.
Claims use since about July 15, 1924.

Ser. No. 202,922. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **FLORENCE MAY BECKSTED**, Miami, Fla. Filed Sept. 23, 1924.



The picture shown in the drawing is a facsimile of applicant's portrait.

Particular description of goods.—Bleach Cream.
Claims use since 1918.

Ser. No. 202,961. (CLASS 38. PRINTS AND PUBLICATIONS.) **TIME TABLE ADVERTISER, INC.**, New York, N. Y. Filed Sept. 23, 1924.

THE TIME TABLE ADVERTISER

Particular description of goods.—Publications Issued Monthly Consisting of a Combined Railroad Time-Table and Advertising Medium and Holder for Commutation or Trip Railroad Tickets.

Claims use since October, 1923.

Ser. No. 202,971. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) **THE BANNER SILK KNITTING MILLS, INC.**, New York, N. Y. Filed Sept. 24, 1924.

Satin de Leen

Particular description of goods.—Knitted Silk Fabrics—viz, Artificial-Silk Knitted Cloth in the Bolt.
Claims use since Sept. 2, 1924.

Ser. No. 203,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **MACPHAIL AND THOMPSON**, Greeley, Nebr., doing business as The Tonsorene Laboratories, Spalding, Nebr. Filed Sept. 24, 1924.

"TONSORÉNE"

Particular description of goods.—Preparation for Restoring the Natural Color of Hair.
Claims use since May 15, 1924.

Ser. No. 203,041. (CLASS 37. PAPER AND STATIONERY.) **LETTERCRAFT PAPER COMPANY**, Kalamazoo, Mich. Filed Sept. 25, 1924.

Lettercraft

Particular description of goods.—Writing Paper and Envelopes.
Claims use since Aug. 19, 1924.

Ser. No. 203,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **CHARLES WEST**, doing business as Louies Laboratories, Ltd., Denver, Colo. Filed Sept. 25, 1924.

**LLL
Three L's**

Particular description of goods.—Medicine for Blood Disorders.
Claims use since about July 22, 1924.

Ser. No. 203,070. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) **RUSSELL L. BAKER**, doing business as The Empire Farm and Nursery Company, Baileyton, Ala. Filed Sept. 20, 1924.

EMPIRE

Particular description of goods.—Peach Trees and Scions.
Claims use since July, 1921.

Ser. No. 203,103. (CLASS 38. PRINTS AND PUBLICATIONS.) **AMUSEMENT PUBLISHING CO.**, Atlantic City, N. J. Filed Sept. 27, 1924.

VENTNOR NEWS

Trade-mark "Ventnor News."
Particular description of goods.—Weekly Newspaper.
Claims use since June 15, 1907.

Ser. No. 203,120. (CLASS 15. OILS AND GREASES.) **BERT L. HALE**, doing business as American Petroleum Products Co., Los Angeles, Calif. Filed Sept. 27, 1924.

AKIA

Particular description of goods.—Gasoline.
Claims use since Aug. 15, 1924.

Ser. No. 203,150. (CLASS 38. PRINTS AND PUBLICATIONS.) **VANDERBILT NEWSPAPERS, INC.**, Wilmington, Del. Filed Sept. 27, 1924.



Particular description of goods.—Daily Newspaper.
Claims use since Dec. 10, 1923.

Ser. No. 203,230. (CLASS 38. PRINTS AND PUBLICATIONS.) **DOUBLEDAY, PAGE & CO.**, Garden City, N. Y. Filed Sept. 30, 1924.

THE FRONTIER

Particular description of goods.—Magazine Issued Monthly.
Claims use since Sept. 19, 1924.

Ser. No. 203,233. (CLASS 38. PRINTS AND PUBLICATIONS.) **EDWARD B. FRITZ**, Chicago, Ill. Filed Sept. 30, 1924.

Paper and Pulp Mill Catalogue

Trade-mark "Paper and Pulp Mill Catalogue."
Particular description of goods.—Annual Catalogue.
Claims use since Feb. 22, 1923.

Ser. No. 203,253. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **CEREBOS, LIMITED**, Greatham and London, England. Filed Oct. 1, 1924.



The exclusive use of all the wording appearing on the drawing, with the exception of the words "Cerebos" and "Cerebos Limited," being disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Salt.
Claims use since Jan. 31, 1924.

Ser. No. 203,270. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **THE GREAT ATLANTIC & PACIFIC TEA COMPANY**, Jersey City, N. J. Filed Oct. 1, 1924.



The disk shown upon the drawing is lined for red.
Particular description of goods.—Sodium Bicarbonate, Witch-Hazel, Ammonia, and Liquid Blue.
Claims use since September, 1919.

Ser. No. 203,283. (CLASS 11. INKS AND INKING MATERIALS.) REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y. Filed Oct. 1, 1924.

H.G.

The letters "H. G." are printed in red, as indicated by the conventional color lines on the drawing; but applicant desires registration of its trade-mark regardless of color.

Particular description of goods.—Carbon Paper.
Claims use since about January, 1908.

Ser. No. 203,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed Oct. 1, 1924.

STORY BOOK

Particular description of goods.—Candy.
Claims use since June 1, 1924.

Ser. No. 203,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWIN PEAKS CANNING CO., Salt Lake City, Utah. Filed Oct. 2, 1924.

Ellenglade

Particular description of goods.—Canned Vegetables.
Claims use since July 29, 1924.

Ser. No. 203,350. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWIN PEAKS CANNING CO., Salt Lake City, Utah. Filed Oct. 2, 1924.

GREEN

Delights

Particular description of goods.—Canned Vegetables.
Claims use since July 29, 1924.

Ser. No. 203,351. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWIN PEAKS CANNING CO., Salt Lake City, Utah. Filed Oct. 2, 1924.

Entwood

Particular description of goods.—Canned Vegetables.
Claims use since July 29, 1924.

Ser. No. 203,381. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LEWIS MORRIS, doing business as Home Supply Co., Evansville, Ind. Filed Oct. 3, 1924.

Goldblume

Particular description of goods.—Extract Malt and Hops.
Claims use since Mar. 15, 1924.

Ser. No. 203,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN MAN CHOCOLATES COMPANY, Boston, Mass. Filed Oct. 3, 1924.

San-Man

Particular description of goods.—Candy.
Claims use since May 13, 1919.

Ser. No. 203,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZAKA COFFEE COMPANY, Detroit, Mich. Filed Oct. 4, 1924.

ZAKA

Particular description of goods.—Coffee.
Claims use since November, 1923.

Ser. No. 203,472. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed Oct. 6, 1924. Under ten-year proviso.

COUNTRY GENTLEMAN



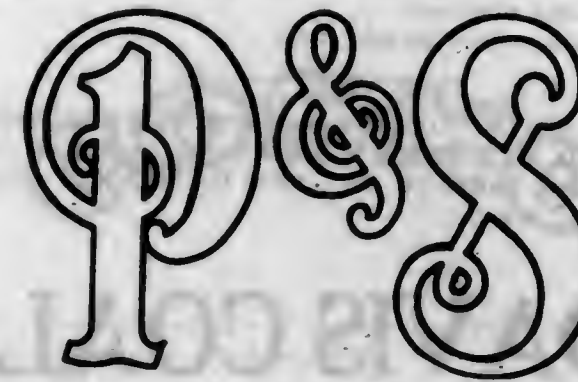
The picture shown in the drawing is fanciful.
Particular description of goods.—Canned Corn.
Claims use since 1895.

Ser. No. 203,497. (CLASS 37. PAPER AND STATIONERY.) WALLACE PENCIL CO., St. Louis, Mo. Filed Oct. 6, 1924.

Quail

Particular description of goods.—Pencils.
Claims use since about Jan. 15, 1918.

Ser. No. 203,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 7, 1924.



Particular description of goods.—Canned Fruits and Canned Berries.
Claims use since 1908.

Ser. No. 203,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. J. LANGSTON, Atlanta, Ga. Filed Oct. 7, 1924.



Particular description of goods.—Ointment or Salve for the Treatment of Eczema.
Claims use since Aug. 1, 1924.

Ser. No. 203,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER MAGGINI, doing business as Columbia Specialty Co., Newark, N. J. Filed Oct. 7, 1924.

BOSCA

Trade-mark consists of the word "Bosca."
Particular description of goods.—Stomachic Tonic Wine.
Claims use since Sept. 20, 1924.

Ser. No. 203,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAGE & SHAW, INCORPORATED, Cambridge, Mass. Filed Oct. 7, 1924.

Round-the-World Sweets

The word "Sweets" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since Aug. 1, 1924.

Ser. No. 203,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) READING CHEWING GUM CO., Reading, Pa. Filed Oct. 7, 1924.

TWOOFERS

Particular description of goods.—Chewing Gum.
Claims use since Sept. 25, 1924.

Ser. No. 203,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UEATA CREAM DOUGHNUT COMPANY, Wilkes-Barre, Pa. Filed Oct. 7, 1924.



Particular description of goods.—Doughnuts.
Claims use since Oct. 1, 1922.

Ser. No. 203,548. (CLASS 39. CLOTHING.) L. WEINER & Co., Philadelphia, Pa. Filed Oct. 7, 1924.

ALDINE

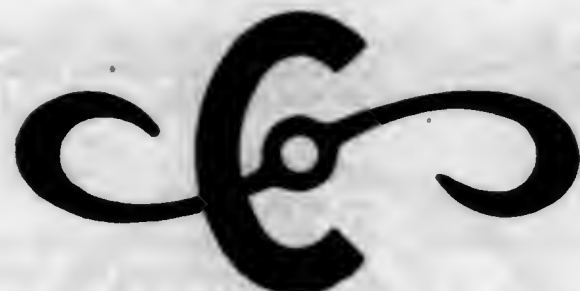
Particular description of goods.—Ladies' Hats.
Claims use since Dec. 15, 1923.

Ser. No. 203,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELLER, HATCHER & ELLER, Lawton, Okla. Filed Oct. 8, 1924.



Particular description of goods.—Liver and Kidney Tonic.
Claims use since Mar. 4, 1924.

Ser. No. 203,585. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OSWEGO FALLS CORPORATION, Fulton, N. Y. Filed Oct. 8, 1924.



Particular description of goods.—Closure Disks Known in the Trade as Bottle Caps.
Claims use since about April, 1919.

Ser. No. 203,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOUSE OF BILBA, Chicago, Ill. Filed Oct. 9, 1924.

Bilba

Particular description of goods.—Marmalades.
Claims use since June 1, 1921.

Ser. No. 203,641. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NATIONAL TENT & AWNING Co., Detroit, Mich. Filed Oct. 9, 1924.



Particular description of goods.—Awnings, Tents, Tarpsaulins, Covers, and Canvas Goods.
Claims use since August, 1922.

Ser. No. 203,646. (CLASS 39. CLOTHING.) POIRETTE CORSETS, Inc., New York, N. Y. Filed Oct. 9, 1924.

COMPACT

Particular description of goods.—Corsets, Brassières, Girdles, and Confiners.
Claims use since March, 1924.

Ser. No. 203,723. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE DAVIS COAL AND COKE COMPANY, Baltimore, Md. Filed Oct. 11, 1924. Under ten-year proviso.

DAVIS COAL

No claim is made to the right to the exclusive use of the word "Coal" apart from the mark as shown on the drawing.

Particular description of goods.—Coal.
Claims use since about 1890.

Ser. No. 203,789. (CLASS 37. PAPER AND STATIONERY.) THE CONKLIN PEN MANUFACTURING Co., Toledo, Ohio. Filed Oct. 13, 1924.

ENDURA

Trade-mark consists of the word "Endura."
Particular description of goods.—Fountain Pens.
Claims use since Aug. 6, 1924.

Ser. No. 203,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COPPS COMPANY, doing business as The Wisconsin Coffee Company, Stevens Point, Wis. Filed Oct. 13, 1924.

DEERWOOD

Particular description of goods.—Food-Flavoring Extracts, Spices, Molasses, Rolled Oats, Pickles, Horse-Radish and Olives.
Claims use since Jan. 19, 1919.

Ser. No. 203,796. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE ELLIS, Sr., doing business as Moundsville Grocery & Produce Co., Moundsville, W. Va. Filed Oct. 13, 1924.

MOUNTAINEER

Particular description of goods.—Coffee and Pastry Flour.
Claims use since May 19, 1924.

Ser. No. 203,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY B. GOLDBEEN, doing business as Marvel Cosmetic Co., Chicago, Ill. Filed Oct. 13, 1924.

COSMO

Particular description of goods.—Hairdressing.
Claims use since May 10, 1922.

Ser. No. 203,827. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed Oct. 13, 1924.

Canadax

Particular description of goods.—Asbestos Wick Packing.
Claims use since Sept. 1, 1894.

Ser. No. 203,837. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS W. RITZI and CLIFFORD M. WOODSIDE, doing business as The Ritz-Wood Laboratories, Youngstown, Ohio. Filed Oct. 13, 1924.

ABSOLINE

Particular description of goods.—Antiseptic Liquid Remedy Used Externally for Burns, Skin Diseases, and Skin Irritations.
Claims use since Feb. 1, 1924.

Ser. No. 203,854. (CLASS 12. CONSTRUCTION MATERIALS.) THE F. W. WAIT LIME COMPANY, Glens Falls, N. Y. Filed Oct. 13, 1924.

JOINTA

Particular description of goods.—Lime.
Claims use since 1860.

Ser. No. 203,856. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) H. WENZEL, TENT & DUCK Co., St. Louis, Mo. Filed Oct. 13, 1924.



Particular description of goods.—Tents.
Claims use since May 1, 1924.

Ser. No. 203,872. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ROBERT J. Cady, Mount Vernon, N. Y. Filed Oct. 15, 1924.

CHARTOURS

Particular description of goods.—Map Holders.
Claims use since Jan. 1, 1923.

Ser. No. 203,881. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Oct. 15, 1924.

La Zosca

Particular description of goods.—Corsets.
Claims use since Sept. 4, 1924.

Ser. No. 203,882. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KEYSTONE SAND & SUPPLY COMPANY, Pittsburgh, Pa. Filed Oct. 15, 1924.

SUPER SAND

No claim is made to the word "Sand" apart from the mark shown on the drawing.
Particular description of goods.—Sand.
Claims use since Jan. 1, 1924.

Ser. No. 203,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ & Co., Inc., New York, N. Y. Filed Oct. 15, 1924.



Particular description of goods.—Dyestuffs.
Claims use since about Sept. 26, 1924.

Ser. No. 203,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EZRA M. NORRIS, doing business as Rados Laboratories, Los Angeles, Calif. Filed Oct. 15, 1924.

RADOS

Particular description of goods.—Dentifrice and Antiseptic Mouth and Throat Wash.
Claims use since July 28, 1924.

Ser. No. 203,921. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE H. WYER, St. Joseph, Mo. Filed Oct. 15, 1924.

HAPPY SMILES

Particular description of goods.—Hair Tonics.
Claims use since Mar. 13, 1924.

Ser. No. 203,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED WRIGHT PERFUMER, Inc., New York, N. Y. Filed Oct. 15, 1924.

MAUD MULLER

Particular description of goods.—Perfumery, Toilet Water, and Face Powder.
Claims use since June 15, 1894.

Ser. No. 203,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. B. CASTWRIGHT, LIMITED, Larkfield, Rawdon, near Leeds, England. Filed Oct. 16, 1924.

ELFRIDA

Particular description of goods.—Bay Rum, Bath Crystals, Compact Face Powder, Face Powder, Skin Cream, Cold Cream, Hair Cream, Perfumes, Bay Rum and Cantharides, Brilliantine, Toilet Paraffin, Emulsified Coconut-Oil Shampoo, Hair Cream, Hair Tonic, and Tooth Paste.
Claims use since Aug. 2, 1920.

Ser. No. 203,948. (CLASS 39. CLOTHING.) GEORGE H. GROSS, Topeka, Kans. Filed Oct. 16, 1924.

WALK-A-MILE

Particular description of goods.—Leather Shoe.
Claims use since August, 1924.

Ser. No. 203,959. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LERNER & SONDAK, New York, N. Y. Filed Oct. 16, 1924.

Froskreem

Particular description of goods.—Skin Preparation, Particularly for Rough or Chapped Hands.
Claims use since about Sept. 10, 1924.

Ser. No. 203,976. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHERING & GLATZ, INC., New York, N. Y. Filed Oct. 16, 1924.

DISPERT

Particular description of goods.—Preparation for Regulating the Action of the Heart.
Claims use since Sept. 10, 1924.

Ser. No. 203,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHERING & GLATZ, INC., New York, N. Y. Filed Oct. 16, 1924.

ICTEROSAN

Particular description of goods.—Preparation for the Treatment of Disorders of the Gall, Bladder and Liver.
Claims use since Sept. 20, 1924.

Ser. No. 204,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEY FLOUR MILLS, Macon, Ga. Filed Oct. 17, 1924.

BIRDS EYE

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since July 12, 1924.

Ser. No. 204,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 17, 1924.

POINSETTINE

Particular description of goods.—Certified Food Colors.
Claims use since Oct. 3, 1924.

Ser. No. 204,078. (CLASS 43. PAPER AND STATIONERY.) THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Oct. 18, 1924.

CUSHION WIND

Particular description of goods.—Cotton Thread.
Claims use since May, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

NOVEMBER 25, 1924.

191,917. HAIR CREAM. HERBERT C. ADDISCOTT, New York, N. Y., assignor to Chevralline Manufacturing Co., Inc., New York, N. Y., a Corporation of New Jersey.
Filed September 9, 1922. Serial No. 169,231. PUBLISHED FEBRUARY 26, 1924.

191,918. MEDICINAL PREPARATION RECOMMENDED FOR USE IN THE TREATMENT OF MALARIA AND CHILLS. EDWIN M. MURPHY, Macon, Miss.
Filed March 23, 1923. Serial No. 177,920. PUBLISHED OCTOBER 23, 1923.

191,919. PERFUMES. SOCIÉTÉ GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,773. PUBLISHED NOVEMBER 13, 1923.

191,920. LAXATIVE MEDICINAL PREPARATION. MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C.
Filed August 23, 1923. Serial No. 184,905. PUBLISHED JANUARY 8, 1924.

191,921. DENTIFRICE. PAUL LAJUGIE, Paris, France.
Filed November 1, 1923. Serial No. 187,825. PUBLISHED SEPTEMBER 2, 1924.

191,922. PERFUME. TOILET WATER. FACE POWDER. SACHET. TALCUM POWDER. AND ROUGE. THE SANITOL COMPANY, St. Louis, Mo., assignor to Mellier Company, Perfumer, St. Louis, Mo., a Corporation of Missouri.
Filed November 2, 1923. Serial No. 187,880. PUBLISHED SEPTEMBER 2, 1924.

191,923. COMPLETE RADIO SETS AND CERTAIN NAMED PARTS THEREOF. PEARL RADIO CORPORATION, Philadelphia, Pa.
Filed November 27, 1923. Serial No. 188,970. PUBLISHED MARCH 18, 1924.

191,924. BLOOD REGULATOR. ALBERT C. GUZZARDO, Kansas City, Mo.
Filed December 31, 1923. Serial No. 190,292. PUBLISHED SEPTEMBER 2, 1924.

191,925. CHEMICALS FOR INDUSTRIAL PURPOSES. BENJAMIN ROOS, doing business as B. Roos & Co., Berlin, Germany.
Filed January 22, 1924. Serial No. 191,143. PUBLISHED AUGUST 26, 1924.

191,926. TOILET PREPARATIONS CONSISTING OF SHAMPOO LIQUID. CLEANSING CREAM. AND SKIN LOTIONS. EDITH M. GOODING, Plymouth, Mass.
Filed March 13, 1924. Serial No. 193,705. PUBLISHED SEPTEMBER 2, 1924.

191,927. RIM AND AUXILIARY LAMP FOR ELECTRIC AUTOMOBILE HEADLAMPS. WILLIAM F. DORAN, doing business as Doran Engineering and Supply Company, Philadelphia, Pa.
Filed March 24, 1924. Serial No. 194,341. PUBLISHED SEPTEMBER 9, 1924.

191,928. PERFUMERIES AND COSMETICS. STEINFELS FRÈRES & Co., Vincennes, France.
Filed March 31, 1924. Serial No. 194,747. PUBLISHED AUGUST 12, 1924.

191,929. PERFUMERIES AND COSMETICS. STEINFELS FRÈRES & Co., Vincennes, France.
Filed March 31, 1924. Serial No. 194,748. PUBLISHED AUGUST 12, 1924.

191,930. LOTION FOR HAIRDRESSING PURPOSES. GEORGE LIBERMAN BARBER SUPPLY CO., INC., Boston, Mass.
Filed April 18, 1924. Serial No. 195,751. PUBLISHED AUGUST 26, 1924.

191,931. PERFUMES. LIONEL TRADING CO. INC., New York, N. Y.
Filed May 21, 1924. Serial No. 197,380. PUBLISHED SEPTEMBER 2, 1924.

191,932. ANTISEPTIC SOLUTION FOR THE TREATMENT OF WOUNDS, CUTS, SPRAINS, INFECTIONS, INFLAMMATIONS, BURNS, INFLAMED JOINTS, ETC. WILLIAM E. BERKOWITZ, doing business as C. N. G. Laboratories Company, Detroit, Mich.
Filed May 22, 1924. Serial No. 197,410. PUBLISHED SEPTEMBER 2, 1924.

191,933. CHEMICALS SUITABLE FOR CLEANSING AND SOFTENING WATER. MAX ALBERT, Cedar Rapids, Iowa.
Filed June 4, 1924. Serial No. 198,043. PUBLISHED AUGUST 26, 1924.

191,934. VARIABLE AIR CONDENSERS FOR RADIO AND WIRELESS TELEGRAPHY APPARATUS. ULYSSES S. KNOCH, Baltimore, Md.
Filed June 7, 1924. Serial No. 198,240. PUBLISHED SEPTEMBER 9, 1924.

191,935. SOLUTION FOR THE TREATMENT OF PYORRHEA. DESHELL LABORATORIES, INC., Los Angeles, Calif.
Filed June 9, 1924. Serial No. 198,290. PUBLISHED SEPTEMBER 2, 1924.

191,936. MEDICINE FOR CONSTIPATION. TORPID LIVER. BILIOUSNESS. NERVOUS AND SICK HEADACHE. AND DISEASES OF THE BLOOD. FELIX RYBAK, doing business as Rybak Chemical Co., Brooklyn, N. Y.
Filed June 10, 1924. Serial No. 198,381. PUBLISHED AUGUST 26, 1924.

191,937. LUBRICANTS. NATIONAL ELECTRIC MANUFACTURING CO., Pittsburgh, Pa.
Filed July 8, 1924. Serial No. 199,757. PUBLISHED SEPTEMBER 9, 1924.

191,938. WHEAT FLOUR. TACOMA GRAIN CO., Tacoma, Wash.
Filed July 10, 1924. Serial No. 199,864. PUBLISHED SEPTEMBER 9, 1924.

191,939. CERTAIN KNITTED CLOTH AND FABRIC IN THE PIECE. ARTSILK KNITTING MILLS, West New York, N. J.
Filed July 11, 1924. Serial No. 199,873. PUBLISHED SEPTEMBER 9, 1924.

191,940. CERTAIN KNITTED CLOTH AND FABRIC IN THE PIECE. CRYSTAL MILLS, INC., West New York, N. J.
Filed July 11, 1924. Serial No. 199,881. PUBLISHED SEPTEMBER 9, 1924.

191,941. ABSORBENT PADS OR SHEETS FOR REMOVING COLD CREAM. CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis.
Filed July 12, 1924. Serial No. 199,932. PUBLISHED SEPTEMBER 2, 1924.

NOVEMBER 25, 1924

U. S. PATENT OFFICE.

819

191,942. MACHINE FOR TESTING THE STRENGTH OR STRETCH OF MATERIALS. HENRY L. SCOTT & COMPANY, Providence, R. I.
Filed July 12, 1924. Serial No. 199,954. PUBLISHED AUGUST 26, 1924.

191,943. LUBRICATING OIL. THE TROY BELTING & SUPPLY COMPANY, Troy, N. Y.
Filed July 12, 1924. Serial No. 199,959. PUBLISHED SEPTEMBER 9, 1924.

191,944. SILK AND SATIN RIBBONS IN THE PIECE. KALTENBACH & STEPHENS, INC., New York, N. Y.
Filed July 15, 1924. Serial No. 200,047. PUBLISHED SEPTEMBER 9, 1924.

191,945. TRIPOLI FILTER STONES. PRESSURE FILTERS. SIPHON FILTERS, AND DISK FILTERS. AMERICAN TRIPOLI COMPANY, Seneca, Mo.
Filed July 18, 1924. Serial No. 200,173. PUBLISHED SEPTEMBER 9, 1924.

191,946. INTERNAL-GRINDING MACHINES. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass.
Filed July 18, 1924. Serial No. 200,196. PUBLISHED SEPTEMBER 2, 1924.

191,947. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed July 19, 1924. Serial No. 200,283. PUBLISHED SEPTEMBER 2, 1924.

191,948. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed July 19, 1924. Serial No. 200,284. PUBLISHED SEPTEMBER 2, 1924.

191,949. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed July 19, 1924. Serial No. 200,285. PUBLISHED SEPTEMBER 2, 1924.

191,950. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed July 19, 1924. Serial No. 200,286. PUBLISHED SEPTEMBER 2, 1924.

191,951. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed July 19, 1924. Serial No. 200,287. PUBLISHED SEPTEMBER 2, 1924.

191,952. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATER-PROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 19, 1924. Serial No. 200,290. PUBLISHED SEPTEMBER 9, 1924.

191,953. ENSILAGE CUTTERS. W. D. BAILEY, trustee of The E. W. Ross Company, Springfield, Ohio.
Filed July 21, 1924. Serial No. 200,307. PUBLISHED SEPTEMBER 2, 1924.

191,954. CANDY. E. A. HOFFMAN CANDY CO., INC., Los Angeles, Calif.
Filed July 21, 1924. Serial No. 200,318. PUBLISHED SEPTEMBER 2, 1924.

191,955. SILK KNITTED CLOTH IN THE PIECE. LEVI & SELIGMAN, INC., Brooklyn, N. Y.
Filed July 21, 1924. Serial No. 200,328. PUBLISHED SEPTEMBER 9, 1924.

191,956. SILK KNITTED CLOTH IN THE PIECE. LEVI & SELIGMAN, INC., Brooklyn, N. Y.
Filed July 21, 1924. Serial No. 200,329. PUBLISHED SEPTEMBER 9, 1924.

191,957. CATAMENIAL BANDAGES. CHRISTOS GIMURTSINA, doing business as Sphinx Sanitary Appliance Co., New York, N. Y.
Filed March 18, 1924. Serial No. 194,000. PUBLISHED SEPTEMBER 2, 1924.

191,958. REFRIGERATORS. BENEDICT F. VOGT, doing business as Vogt Manufacturing Company, Louisville, Ky.
Filed March 17, 1924. Serial No. 193,978. PUBLISHED SEPTEMBER 2, 1924.

191,959. OIL PAINT. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed March 3, 1924. Serial No. 193,179. PUBLISHED SEPTEMBER 9, 1924.

191,960. CALCULATING MACHINES AND DEVICES. FRANCIS X. MAYER, Chicago, Ill.
Filed February 25, 1924. Serial No. 192,778. PUBLISHED SEPTEMBER 2, 1924.

191,961. HACK-SAW BLADES AND HACK-SAW FRAMES. THE HENRY G. THOMPSON & SON CO., New Haven, Conn.
Filed February 7, 1924. Serial No. 191,991. PUBLISHED SEPTEMBER 2, 1924.

191,962. HOT-WATER BAGS. RUBBER SHEETING FOR BEDS AND HOSPITAL USE, HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, SURGEONS' GLOVES, AND CLINICAL THERMOMETERS. MEINECKE & COMPANY, New York, N. Y.
Filed January 7, 1924. Serial No. 190,510. PUBLISHED SEPTEMBER 2, 1924.

191,963. MEN'S AND BOYS' TEXTILE-FABRIC UNION SUITS. NEUSTADTER BROS., San Francisco, Calif.
Filed December 3, 1923. Serial No. 189,167. PUBLISHED SEPTEMBER 2, 1924.

191,964. SHEET-METAL CONTAINERS FOR LUBRICATING OILS. THE PENNZOIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed November 6, 1923. Serial No. 188,060. PUBLISHED SEPTEMBER 9, 1924.

191,965. HARD WALL FINISHING AND CASTING PLASTER. STANDARD GYPSUM COMPANY, San Francisco, Calif.
Filed August 20, 1923. Serial No. 184,770. PUBLISHED SEPTEMBER 2, 1924.

191,966. COLLARS. LORETTO B. QUIGLEY, New York, N. Y.
Filed June 13, 1923. Serial No. 181,960. PUBLISHED SEPTEMBER 2, 1924.

191,967. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed June 11, 1923. Serial No. 181,819. PUBLISHED JUNE 10, 1924.

191,968. TIRES. INNER TUBES, LININGS, BOOTS, AND TIRE PATCHES COMPOSED OF RUBBER, FABRIC, OR RUBBER AND FABRIC. ORIGINAL TIRE CO., Cincinnati, Ohio.
Filed May 15, 1923. Serial No. 180,670. PUBLISHED AUGUST 14, 1923.

191,969. CERTAIN VEHICLE PARTS. DOUGLAS MOTORS LIMITED, Kingswood, Bristol, England.
Filed May 15, 1923. Serial No. 180,656. PUBLISHED SEPTEMBER 9, 1924.

191,970. KNITTED OUTER GARMENTS—NAMESLY, LADIES' SPORT DRESSES, SPORT CAPES, SPORT BLOUSES, SPORT SKIRTS, AND BATHING SUITS AND CHILDREN'S DRESSES AND CAPES. WOOL NOVELTY CO., INC., doing business as Dolly Gray, New York, N. Y., assignor to David Tannenbaum and August Tannenbaum, both of Brooklyn, N. Y.
Filed April 20, 1923. Serial No. 179,445. PUBLISHED SEPTEMBER 2, 1924.

191,971. INFANTS' HOSE. HUB HOSIERY MILLS, Boston, Mass.
Filed March 31, 1923. Serial No. 178,389. PUBLISHED SEPTEMBER 2, 1924.

191,972. HOSIERY. BURD KNITTING MILLS CO., Philadelphia, Pa.
Filed March 12, 1923. Serial No. 177,271. PUBLISHED SEPTEMBER 2, 1924.

- 191,973. LADIES' CLOAKS AND SUITS. A. ALT-SHULER MERCHANDISING CO., Boston, Mass. Filed February 7, 1923. Serial No. 175,639. PUBLISHED SEPTEMBER 2, 1924.
- 191,974. ELECTRIC BATTERY TOOLS AND EQUIPMENT. BATTERY EQUIPMENT & SUPPLY CO., Chicago, Ill. Filed March 13, 1922. Serial No. 160,581. PUBLISHED AUGUST 26, 1924.
- 191,975. FUEL-FEEDING APPARATUS FOR INTERNAL-COMBUSTION ENGINES. GEORGE J. BURNS, Youngstown, Ohio. Filed February 25, 1922. Serial No. 159,779. PUBLISHED JULY 18, 1922.
- 191,976. TIN COFFEE BOILERS AND COFFEE URNS. C. K. SCOFIELD, doing business as Rudman & Scofield, New York, N. Y. Filed September 8, 1921. Serial No. 152,716. PUBLISHED SEPTEMBER 2, 1924.
- 191,977. MEDICINAL PREPARATION FOR USE IN CASES OF PAINFUL MENSTRUATION, DEPRESSION, IRREGULARITY, BACKACHE, AND LOSS OF STRENGTH AND ENERGY. GUY L. MILLER, Charlottesville, Va. Filed June 13, 1924. Serial No. 198,530. PUBLISHED SEPTEMBER 2, 1924.
- 191,978. COAL. ISLAND CREEK COAL COMPANY, Portland, Me., and Huntington, W. Va. Filed June 13, 1924. Serial No. 198,525. PUBLISHED SEPTEMBER 9, 1924.
- 191,979. WATER SOFTENER AND CLEANSING COMPOUND. SCIENTIFIC PRODUCTS, INC., Chicago, Ill. Filed July 18, 1924. Serial No. 200,227. PUBLISHED SEPTEMBER 2, 1924.
- 191,980. BLOOD-PURIFYING MEDICINE. ANTHONY J. LICKING, San Antonio, Tex. Filed July 12, 1924. Serial No. 199,947. PUBLISHED SEPTEMBER 2, 1924.
- 191,981. TOILET PREPARATIONS. MOCO, BURNIER & CO., INC., New York, N. Y. Filed July 11, 1924. Serial No. 199,896. PUBLISHED SEPTEMBER 2, 1924.
- 191,982. HEALING SALVE. JOSEPH J. KESSLER, doing business as The Blazine Ointment Co., Dubuque, Iowa. Filed July 11, 1924. Serial No. 199,893. PUBLISHED SEPTEMBER 16, 1924.
- 191,983. PREPARATION FOR USE IN CASES OF PAINFUL MENSTRUATION. MISS E. D. STEWART, doing business as Trinity Medicine Co., Dallas, Tex. Filed July 10, 1924. Serial No. 199,863. PUBLISHED SEPTEMBER 2, 1924.
- 191,984. GERMICIDE FOR TREATING CYSTITIS AND PYELITIS. SHARP & DORME, Baltimore, Md.; New York, N. Y.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; Philadelphia, Pa.; San Francisco, Calif. Filed July 10, 1924. Serial No. 199,861. PUBLISHED SEPTEMBER 2, 1924.
- 191,985. SHAMPOO PREPARATION. THE FLOSMOR MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 10, 1924. Serial No. 199,837. PUBLISHED SEPTEMBER 16, 1924.
- 191,986. PREPARATION OF CHLORINE FOR INTERNAL USE IN PSORIASIS AND ECZEMA. CHLO-RINE PRODUCTS CO., INC., New York, N. Y. Filed July 10, 1924. Serial No. 199,821. PUBLISHED SEPTEMBER 16, 1924.
- 191,987. MUSIC STANDS. SIMSON & FREY, INC., New York, N. Y. Filed July 5, 1924. Serial No. 199,650. PUBLISHED SEPTEMBER 9, 1924.

- 191,988. PERFUMERY. G. LOMBARD, Paris, France. Filed July 3, 1924. Serial No. 199,560. PUBLISHED SEPTEMBER 2, 1924.
- 191,989. COSMETICS AND TOILET PREPARATIONS—NAMESLY, TOILET WATER, HAIR WASH, AND MOUTH WASH. DR. M. ALBERSHEIM, Frankfurt-on-the-Main, Germany. Filed July 3, 1924. Serial No. 199,514. PUBLISHED SEPTEMBER 2, 1924.
- 191,990. SHAMPOO. VAN ESS LABORATORIES, INC., Chicago, Ill. Filed June 30, 1924. Serial No. 199,409. PUBLISHED SEPTEMBER 2, 1924.
- 191,991. MOUTH WASH. FORREST H. SMITH, doing business as Korrene Chemical Company, Winston, N. C. Filed June 30, 1924. Serial No. 199,398. PUBLISHED SEPTEMBER 2, 1924.
- 191,992. HAIR TONIC OR SCALP LOTION. KELLY BROTHERS, New Lexington, Ohio. Filed June 30, 1924. Serial No. 199,361. PUBLISHED SEPTEMBER 16, 1924.
- 191,993. PHARMACEUTICAL PREPARATION CONSISTING OF MILK OF MAGNESIA AND MINERAL OIL. THE HALEY M-O COMPANY, Indianapolis, Ind. Filed June 30, 1924. Serial No. 199,354. PUBLISHED SEPTEMBER 16, 1924.
- 191,994. HEALING OINTMENT. MARY E. RENTZ, doing business as Re-Sal-ve Company, Catonsville, Md. Filed June 28, 1924. Serial No. 199,322. PUBLISHED SEPTEMBER 2, 1924.
- 191,995. THERMIC BOTTLES AND JUGS. ROYAL MANUFACTURING COMPANY, Toledo, Ohio. Filed June 23, 1924. Serial No. 199,023. PUBLISHED AUGUST 12, 1924.
- 191,996. HEALING SALVES. J. B. TAYLOR, San Diego, Calif. Filed June 19, 1924. Serial No. 198,826. PUBLISHED SEPTEMBER 2, 1924.
- 191,997. PREPARATIONS FOR THE TREATMENT OF DISEASES OF THE KIDNEYS, BLADDER, LIVER, AND URINARY ORGANS. DR. KILMER & CO., Binghamton, N. Y. Filed June 19, 1924. Serial No. 198,807. PUBLISHED SEPTEMBER 2, 1924.
- 191,998. MEDICINAL PREPARATIONS SUITABLE FOR INTRAMUSCULAR INJECTION IN THE TREATMENT OF SYPHILIS. ANGLO-AMERICAN PHARMACEUTICAL CORPORATION, New York, N. Y. Filed June 18, 1924. Serial No. 198,727. PUBLISHED SEPTEMBER 2, 1924.
- 191,999. LUGGAGE CARRIERS FOR AUTOMOBILES. MARK ANTON MFG. CO., Belleville, N. J. Filed June 5, 1924. Serial No. 198,106. PUBLISHED SEPTEMBER 9, 1924.
- 192,000. EMBOSsing MACHINES, TYPES, BEVELING MACHINES, AND PARTS OF EMBOSsing MACHINES AND BEVELING MACHINES. MASON SEELEY AND COMPANY LIMITED, London, England. Filed June 5, 1924. Serial No. 198,149. PUBLISHED SEPTEMBER 2, 1924.
- 192,001. THERAPEUTIC PADS. GEORGE STARR WHITE, Los Angeles, Calif. Filed June 9, 1924. Serial No. 198,334. PUBLISHED SEPTEMBER 2, 1924.
- 192,002. HAIR NETS. NATIONAL TRADING COMPANY, Chicago, Ill. Filed June 13, 1924. Serial No. 198,533. PUBLISHED SEPTEMBER 9, 1924.

- 192,003. A VERY SENSITIVE INSTRUMENT DESIGNED TO MEASURE DIFFERENCES OF TEMPERATURE EXISTING AT A GIVEN TIME IN DIFFERENT PORTIONS OF THE HUMAN BODY. THE PALMER SCHOOL OF CHIROPRACTIC, Davenport, Iowa. Filed June 13, 1924. Serial No. 198,535. PUBLISHED SEPTEMBER 2, 1924.
- 192,004. GASOLINE, LUBRICATING OILS AND GREASES. MEXICAN PETROLEUM CORPORATION OF LOUISIANA, INC., New Orleans, La. Filed June 14, 1924. Serial No. 198,580. PUBLISHED SEPTEMBER 9, 1924.
- 192,005. HOSIERY. JAMES P. GREY & CO., Hendersonville, N. C. Filed June 21, 1924. Serial No. 198,944. PUBLISHED SEPTEMBER 9, 1924.
- 192,006. SILK PIECE GOODS, SILK RIBBONS, AND VELVET PIECE GOODS. BURTON, PRICE & COMPANY, INC., New York, N. Y. Filed June 23, 1924. Serial No. 198,983. PUBLISHED SEPTEMBER 9, 1924.
- 192,007. COTTON PIECE GOODS. HUNTER MANUFACTURING & COMMISSION CO., New York, N. Y. Filed June 23, 1924. Serial No. 199,004. PUBLISHED SEPTEMBER 9, 1924.
- 192,008. COMBINED INSTRUMENT FOR MEASURING ELECTRICAL CURRENT PRESSURE AND RESISTANCES. THE AUTOMATIC COIL WINDER AND ELECTRICAL EQUIPMENT COMPANY LIMITED, London, England. Filed June 24, 1924. Serial No. 199,030. PUBLISHED AUGUST 26, 1924.
- 192,009. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYING ASSOC. (U. S. A.), Bradford, R. I. Filed June 24, 1924. Serial No. 199,036. PUBLISHED SEPTEMBER 9, 1924.
- 192,010. AUTOMOBILE PARTS AND ACCESSORIES—NAMESLY, SPRINGS, AXLES, PISTON PINS, ENGINE VALVES, CONNECTING RODS, CRANK SHAFTS, CRANK-SHAFT BEARINGS, AND BUSHINGS OF ALL KINDS. THE P-D AUTO PARTS, INC., Meriden, Conn. Filed June 24, 1924. Serial No. 199,088. PUBLISHED SEPTEMBER 2, 1924.
- 192,011. ARCH SUPPORTS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924. Serial No. 199,247. PUBLISHED SEPTEMBER 2, 1924.
- 192,012. ARCH SUPPORTS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924. Serial No. 199,255. PUBLISHED SEPTEMBER 2, 1924.
- 192,013. DRAIN VALVES FOR AUTOMOBILES. JOS. L. BREDAR, doing business as Nic Bredar's Son Mfg. Co., Rock Island, Ill. Filed June 30, 1924. Serial No. 199,342. PUBLISHED SEPTEMBER 2, 1924.
- 192,014. COAL AND COKE. GENERAL COAL COMPANY, Wilmington, Del., and Philadelphia, Pa. Filed July 1, 1924. Serial No. 199,421. PUBLISHED SEPTEMBER 9, 1924.
- 192,015. SHOTGUN SHELLS AND WADS. THE PETERS CARTRIDGE COMPANY, Cincinnati, Ohio. Filed July 2, 1924. Serial No. 199,493. PUBLISHED SEPTEMBER 9, 1924.
- 192,016. ANIMAL AND VEGETABLE FIBERS; THEIR BY-PRODUCTS—NAMESLY, BATS, BURLAP, COTTON, EXCELSIOR, FELT, FIBER, HAIR, HUSKS, JUTE ROLLS, KAPOK, LINTERS, MOSS, PACKING PADS, RATTAN, SEA GRASS, SHODDIES, TOW, TUFTS, AND WOOD WOOL. BOSTON EXCELSIOR COMPANY, New York, N. Y., and Boston, Mass. Filed July 3, 1924. Serial No. 199,522. PUBLISHED SEPTEMBER 9, 1924.
- 192,017. MOTION-PICTURE FILMS. STANDARD CINEMA CORPORATION, New York, N. Y. Filed July 3, 1924. Serial No. 199,579. PUBLISHED SEPTEMBER 2, 1924.
- 192,018. HAIR NETS. LORRAINE MANUFACTURING & IMPORTING COMPANY, Grand Haven, Mich. Filed July 7, 1924. Serial No. 199,706. PUBLISHED SEPTEMBER 9, 1924.
- 192,019. KNITTED SILK FABRICS—VIZ, ARTIFICIAL-SILK KNITTED CLOTH IN THE BOLT. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed August 1, 1924. Serial No. 200,803. PUBLISHED SEPTEMBER 9, 1924.
- 192,020. GASOLINE. TREMLEY OIL CO., INC., New York, N. Y. Filed July 30, 1924. Serial No. 200,734. PUBLISHED SEPTEMBER 9, 1924.
- 192,021. WOOD FILLERS. SCOFIELD, EVANS AND COMPANY, Chicago, Ill. Filed July 29, 1924. Serial No. 200,694. PUBLISHED SEPTEMBER 9, 1924.
- 192,022. CERTAIN AWNING STRIPES AND TICKING. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,661. PUBLISHED SEPTEMBER 9, 1924.
- 192,023. CERTAIN AWNING STRIPES AND TICKING. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,658. PUBLISHED SEPTEMBER 9, 1924.
- 192,024. CERTAIN AWNING STRIPES AND TICKING. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Serial No. 200,652. PUBLISHED SEPTEMBER 9, 1924.
- 192,025. SILK PIECE GOODS—I. E., SATIN, CHIFFON. WILLIAM E. WIENER, INC., New York, N. Y. Filed July 28, 1924. Serial No. 200,648. PUBLISHED SEPTEMBER 9, 1924.
- 192,026. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924. Serial No. 200,475. PUBLISHED SEPTEMBER 9, 1924.
- 192,027. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924. Serial No. 200,474. PUBLISHED SEPTEMBER 9, 1924.
- 192,028. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924. Serial No. 200,473. PUBLISHED SEPTEMBER 9, 1924.
- 192,029. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924. Serial No. 200,472. PUBLISHED SEPTEMBER 9, 1924.
- 192,030. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 24, 1924. Serial No. 200,421. PUBLISHED SEPTEMBER 9, 1924.
- 192,031. WALL PAINTS USED AS PRIMING COATS AND FINISHING COATS. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed July 22, 1924. Serial No. 200,361. PUBLISHED SEPTEMBER 9, 1924.
- 192,032. PASTE PAINT. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed July 22, 1924. Serial No. 200,360. PUBLISHED SEPTEMBER 9, 1924.
- 192,033. MARBLE IN THE ROUGH. ANTONIO BIGGI, Long Island City, N. Y. Filed June 3, 1924. Serial No. 197,988. PUBLISHED SEPTEMBER 9, 1924.

192,034. MEDICAL AND SURGICAL APPLIANCES COMPRISING EMERGENCY OR FIRST-AID KITS AND CONTENTS. FIRST AID SPECIALTY COMPANY, Inc., New York, N. Y.
Filed May 23, 1924. Serial No. 197,478. PUBLISHED SEPTEMBER 2, 1924.

192,035. SYNTHETIC RESIN MATERIAL MADE INTO SHEET, TUBULAR, OR OTHER FORMS AND HAVING ELECTRICAL INSULATING PROPERTIES. ETABLISSEMENTS POULENC FRÈRES (SOCIÉTÉ ANONYME), Paris, France.
Filed May 14, 1924. Serial No. 197,020. PUBLISHED SEPTEMBER 2, 1924.

192,036. COTTON VOILE AND COTTON FLOCK VOILE IN PIECES. SHERMAN & SONS COMPANY, New York, N. Y.
Filed May 12, 1924. Serial No. 196,933. PUBLISHED SEPTEMBER 9, 1924.

192,037. SCREEN DOORS AND WINDOW SCREENS, COMBINATION SCREEN AND STORM DOORS, KNOCKDOWN WINDOW-SCREEN FRAMES. THE CONTINENTAL COMPANY, Detroit, Mich.
Filed May 9, 1924. Serial No. 196,790. PUBLISHED SEPTEMBER 9, 1924.

192,038. ROAD MAKING, BUILDING, AND PAVING COMPOSITION. WALTON JOHN HADFIELD, Sheffield, England.
Filed April 12, 1924. Serial No. 195,446. PUBLISHED SEPTEMBER 9, 1924.

192,039. LUBRICATING-OIL CUPS, LOCOMOTIVE BELL RINGERS AND ROTARY PUMPS. BADEKER MANUFACTURING COMPANY, Chicago, Ill.
Filed April 9, 1924. Serial No. 195,206. PUBLISHED AUGUST 26, 1924.

192,040. CERTAIN TOILET AND PHARMACEUTICAL PREPARATIONS. MAURICE L. LAEBER, Philadelphia, Pa.
Filed May 20, 1924. Serial No. 197,790. PUBLISHED AUGUST 26, 1924.

192,041. MEDICINE FOR SORE THROAT AND THROAT SWELLINGS. ELIZABETH KARIKAS, Wende, W. Va.
Filed May 29, 1924. Serial No. 197,818. PUBLISHED AUGUST 12, 1924.

192,042. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF CORNS, WARTS, AND CALLI. HENRY P. CLEARWATER, Hallowell, Me.
Filed May 31, 1924. Serial No. 197,865. PUBLISHED AUGUST 12, 1924.

192,043. FACE ENAMEL, SKIN AND TISSUE CREAM, AND CLEANSING LOTION. JEANETTE MARKER, Chicago, Ill.
Filed May 31, 1924. Serial No. 197,890. PUBLISHED AUGUST 12, 1924.

192,044. MEDICINAL PREPARATION FOR THE TREATMENT OF DYSMENORRHEA. THAS LABORATORIES, Sheffield, Iowa.
Filed June 2, 1924. Serial No. 197,968. PUBLISHED AUGUST 26, 1924.

192,045. PREPARATION FOR USE IN DESTROYING THE ACIDITY IN CREAM USED IN MAKING BUTTER IN CREAMERIES. MONTANA PROCESS COMPANY, Missoula, Mont.
Filed June 3, 1924. Serial No. 198,020. PUBLISHED AUGUST 12, 1924.

192,046. SALT, TABLE SALT, INDUSTRIAL SALT, AND GLAUBER SALT. CHAS. KURTZ & CO. INC., Philadelphia, Pa.
Filed June 7, 1924. Serial No. 198,241. PUBLISHED AUGUST 12, 1924.

192,047. CERTAIN MEDICINAL COMPOUNDS AND PHARMACEUTICAL PREPARATIONS. CATHCART AND CATHCART, INC., Newburgh, N. Y.
Filed June 9, 1924. Serial No. 198,287. PUBLISHED AUGUST 26, 1924.

192,048. MEDICINE FOR TUBERCULOSIS. JOHN HAMBERG, Coeur d'Alene, Idaho.
Filed June 9, 1924. Serial No. 198,304. PUBLISHED AUGUST 26, 1924.

192,049. COMPLEXION POWDER, FACE LOTIONS, AND NAIL POLISHES. THE GEORGE W. LUFT CO., Inc., Long Island City, N. Y.
Filed June 9, 1924. Serial No. 198,320. PUBLISHED AUGUST 12, 1924.

192,050. SOLUBLE SULPHONATED OIL. A. KLIPSTEIN AND COMPANY, Woodbridge, N. J., and New York, N. Y.
Filed June 17, 1924. Serial No. 198,713. PUBLISHED AUGUST 12, 1924.

192,051. MEDICINE FOR THE TREATMENT OF RHEUMATISM AND IMPURITIES OF THE BLOOD. WILLIAM HENRY LEE, Pittsburgh, Pa.
Filed June 17, 1924. Serial No. 198,715. PUBLISHED AUGUST 12, 1924.

192,052. PHARMACEUTICAL PREPARATION FOR THE ALLEVIATION AND TREATMENT OF KIDNEY DISORDERS AND DISEASES. CATHCART AND CATHCART, INC., Newburgh, N. Y.
Filed June 18, 1924. Serial No. 198,730. PUBLISHED AUGUST 26, 1924.

192,053. EYE BATH. E. C. DE WITT & CO. INC., Chicago, Ill.
Filed June 18, 1924. Serial No. 198,734. PUBLISHED AUGUST 12, 1924.

192,054. LAXATIVE. FRED B. FLORES, doing business as Choco-Dulce Co., San Antonio, Tex.
Filed June 19, 1924. Serial No. 198,797. PUBLISHED AUGUST 26, 1924.

192,055. MEDICINAL AND PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF CERTAIN DISEASES. DR. KILMER & CO., Binghamton, N. Y.
Filed June 19, 1924. Serial No. 198,808. PUBLISHED AUGUST 26, 1924.

192,056. TABLETS FOR PURIFYING BREATH AND TASTE, CLEARING THROAT AND VOICE, AND STIMULATING SALIVA AND DIGESTION. THE ODOL CORPORATION, New York, N. Y.
Filed June 21, 1924. Serial No. 198,957. PUBLISHED AUGUST 26, 1924.

192,057. TOILET PREPARATIONS. ARMAND J. PROVOST, doing business as Qualité Service Co., Providence, R. I.
Filed June 23, 1924. Serial No. 199,020. PUBLISHED AUGUST 26, 1924.

192,058. SALVE FOR SORES, BOILS, BURNS, AND WOUNDS. FRANCISZEK K. KRAKOWSKI, Carles Place, Long Island, N. Y.
Filed June 26, 1924. Serial No. 199,169. PUBLISHED SEPTEMBER 2, 1924.

192,059. PERFUME. FLOSTY DENTAL MFG. CO., Evanston, Ill.
Filed June 30, 1924. Serial No. 199,351. PUBLISHED AUGUST 26, 1924.

192,060. MEDICINE (SERUM) FOR THE TREATMENT OF DISEASES OF THE EYE. EDMUND FRIEDOLIN PARST, doing business as Parst Chemical Company, Chicago, Ill.
Filed June 30, 1924. Serial No. 199,385. PUBLISHED AUGUST 26, 1924.

192,061. PREPARATION FOR THE TREATMENT OF RHEUMATISM, NEURALGIA, NEURITIS, SCIATICA, LUMBAGO, AND RHEUMATIC PAINS. RUMA-KIL CHEMICAL COMPANY, Atlanta, Ga.
Filed June 30, 1924. Serial No. 199,393. PUBLISHED AUGUST 26, 1924.

192,062. TOILET PREPARATIONS. THE J. R. WATKINS CO., Winona, Minn.
Filed July 1, 1924. Serial No. 199,444. PUBLISHED AUGUST 26, 1924.

192,063. ROUGE. ANNA HELEN ABELT, Brooklyn, N. Y.
Filed July 2, 1924. Serial No. 199,453. PUBLISHED AUGUST 26, 1924.

192,064. TOILET POWDER. THE BARBASOL COMPANY, Indianapolis, Ind.
Filed July 2, 1924. Serial No. 199,454. PUBLISHED AUGUST 26, 1924.

192,065. TOILET PREPARATIONS—VIZ, NAIL POLISH AND PERMANENT-WAVE OINTMENT. ALLO M. BRAUN, doing business as A. M. Braun, Far Rockaway, N. Y.
Filed July 25, 1924. Serial No. 200,476. PUBLISHED SEPTEMBER 9, 1924.

192,066. MEDICINAL COMPOUNDS SUITABLE FOR THE RELIEF OF RESPIRATORY DISORDERS. THE J. R. WATKINS CO., Winona, Minn.
Filed July 24, 1924. Serial No. 200,468. PUBLISHED SEPTEMBER 9, 1924.

192,067. EYE BALSAM. HENRY MAGLIATO, doing business as The Baye-Kerra Company, New York, N. Y.
Filed July 24, 1924. Serial No. 200,456. PUBLISHED SEPTEMBER 9, 1924.

192,068. TOOTH PASTE. HILL BLACKETT, Chicago, Ill.
Filed July 24, 1924. Serial No. 200,420. PUBLISHED SEPTEMBER 9, 1924.

192,069. EXTERNAL OINTMENT FOR ECZEMA, SKIN AND SCALP DISEASES, AND RHEUMATISM. NEMAN B. BEDROSIAN, doing business as Massasoit Chemical Co., Providence, R. I.
Filed July 24, 1924. Serial No. 200,418. PUBLISHED SEPTEMBER 9, 1924.

192,070. MEDICINAL PREPARATION FOR THE RELIEF OF HEADACHE, COLDS, NEURALGIA, TOOTHACHE, LA GRIPE, AND INFLUENZA. WALTER SPURGEON MARTIN, Canton, N. C.
Filed July 21, 1924. Serial No. 200,336. PUBLISHED SEPTEMBER 9, 1924.

192,071. TALCUM POWDER. THE REMILLER CO., New York, N. Y.
Filed July 18, 1924. Serial No. 200,223. PUBLISHED SEPTEMBER 9, 1924.

192,072. MANGE REMEDY. CHAS. R. BOHRER, doing business as Lechal Chemical Co., West Plains, Mo.
Filed July 18, 1924. Serial No. 200,178. PUBLISHED SEPTEMBER 2, 1924.

192,073. ANIMAL, INSECT, AND VERMIN EXTERMINATOR. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed July 9, 1924. Serial No. 199,769. PUBLISHED SEPTEMBER 9, 1924.

192,074. PILE SALVE. ELIZABETH OLIVER, St. Louis, Mo.
Filed July 3, 1924. Serial No. 199,567. PUBLISHED SEPTEMBER 2, 1924.

192,075. FLUID FOR THE TREATMENT OF GASOLINE TO PREVENT CARBON FROM DEPOSITING IN THE MOTOR, ELIMINATE KNOCKING IN THE MOTOR BY RETARDING THE EXPLOSION OF THE GASOLINE IN THE COMBUSTION CHAMBER OF THE MOTOR, THEREBY CAUSING THE GASOLINE TO BE BURNED MORE SLOWLY AND EVENLY, GIVING GREATER POWER AND MILEAGE TO THE MOTOR. H. K. STAHL COMPANY, St. Paul, Minn.
Filed July 2, 1924. Serial No. 199,501. PUBLISHED SEPTEMBER 2, 1924.

192,076. OINTMENTS AND OTHER PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF CORNS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,249. PUBLISHED SEPTEMBER 9, 1924.

192,077. MEDICINE USED AS A STOMACH AND BOWEL ANTISEPTIC TO BE TAKEN INTERNALLY AND RECOMMENDED FOR USE IN THE TREATMENT OF INDIGESTION, EXCESS GAS, EXCESS ACID, BLOATING, DYSPEPSIA, AND AS A BODY INVIGORATOR, ETC. MRS. FRED H. CRIST, doing business as Chi-Gee Drug Products, Fort Worth, Tex.
Filed June 24, 1924. Serial No. 199,041. PUBLISHED SEPTEMBER 9, 1924.

192,078. MEDICINAL COMPOUND FOR THE TREATMENT OF CONSTIPATION, BILIOUSNESS, DYSPEPSIA, SICK HEADACHE, AND INDIGESTION. THE BA-HA-NI LABORATORY, INC., Greensburg, Pa.
Filed June 21, 1924. Serial No. 198,931. PUBLISHED SEPTEMBER 2, 1924.

192,079. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE CREAMS, FACE POWDERS, ROUGES, AND LIP STICK. JOSEPH A. FIELDS, New York, N. Y.
Filed June 16, 1924. Serial No. 198,630. PUBLISHED SEPTEMBER 9, 1924.

192,080. MEDICINAL TEA (ST. ANTHONY'S WONDER TEA). DAVID BACK, doing business as David Back & Co., Mount Angel, Oreg.
Filed June 16, 1924. Serial No. 198,609. PUBLISHED SEPTEMBER 2, 1924.

192,081. MINERAL SALTS FOR FOOT AND BODY BATH. JOHN C. CROWE, doing business as Clear Rock Mineral Company, Indianapolis, Ind.
Filed May 27, 1924. Serial No. 197,658. PUBLISHED SEPTEMBER 9, 1924.

192,082. OINTMENT. JOHN FARNETT, Syracuse, N. Y.
Filed May 26, 1924. Serial No. 197,590. PUBLISHED SEPTEMBER 9, 1924.

192,083. DYESTUFFS, TANNING EXTRACTS, DISINFECTANTS, ETC. DYESTUFFS CORPORATION OF AMERICA, Boston, Mass.
Filed May 26, 1924. Serial No. 197,588. PUBLISHED SEPTEMBER 9, 1924.

192,084. ANTISEPTIC AND ANALGESIC MEDICINES AND GERMICIDES. ELMER J. COUSINO, doing business as C. N. G. Laboratories Company, Detroit, Mich.
Filed May 26, 1924. Serial No. 197,584. PUBLISHED SEPTEMBER 2, 1924.

192,085. SOLUTION USED AS A MOUTH WASH. L. M. MOREHOUSE, doing business as La-Bay Mfg. Co., San Francisco, Calif.
Filed March 21, 1924. Serial No. 194,202. PUBLISHED SEPTEMBER 9, 1924.

192,086. BRILLIANTINE POMADE IN SALVE FORM TO IMPART LUSTER TO THE HAIR, AND HAIR TONIC. MAX FACTOR, doing business as Max Factor & Company, Los Angeles, Calif.
Filed March 1, 1924. Serial No. 193,097. PUBLISHED SEPTEMBER 9, 1924.

192,087. SALVE TO BE USED FOR HEALING OF SORES, BURNS, AND RUBBING. CATHERINE WINIKATES, doing business as P D Q Laboratories, Chicago, Ill.
Filed February 13, 1924. Serial No. 192,231. PUBLISHED SEPTEMBER 9, 1924.

192,088. LIQUID INSECTICIDE. W. H. & F. JORDAN, JR., Mfg. Co., Philadelphia, Pa.
Filed January 21, 1924. Serial No. 191,073. PUBLISHED SEPTEMBER 9, 1924.

192,089. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR MADE OF NETTED AND TEXTILE FABRICS AND IN ONE, TWO, AND THREE PIECE GARMENTS. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, and Cumberland, Md.
Filed April 14, 1920. Serial No. 131,090. PUBLISHED JULY 22, 1924.

- 192,090. ARSENIC AND ARSENICAL COMPOUNDS FOR AGRICULTURAL, HORTICULTURAL, AND VETERINARY PURPOSES. THE WHEAL JEWELL AND MARTAVY MINES, LIMITED, Glasgow, Scotland. Filed May 28, 1924. Serial No. 197,788. PUBLISHED AUGUST 26, 1924.
- 192,091. CERTAIN TOILET AND PHARMACEUTICAL PREPARATIONS. CLETUS H. POPE, doing business as The Pope Drug Company, Jefferson City, Mo. Filed May 23, 1924. Serial No. 197,497. PUBLISHED AUGUST 26, 1924.
- 192,092. CERTAIN TOILET, PHARMACEUTICAL AND CHEMICAL PREPARATIONS. THE SAM WILLER HUMAN HAIR GOODS CO., doing business as Wonda Made Products Co., Shreveport, La. Filed May 19, 1924. Serial No. 197,310. PUBLISHED AUGUST 26, 1924.
- 192,093. PREPARATION FOR BLACKHEAD IN TURKEYS. CALLIE R. FLEENOR, Morrill, Nebr. Filed May 17, 1924. Serial No. 197,198. PUBLISHED AUGUST 26, 1924.
- 192,094. CERTAIN TOILET PREPARATIONS. PAUL C. REED, doing business as The Reed Laboratories, Chicago, Ill. Filed May 15, 1924. Serial No. 197,114. PUBLISHED AUGUST 12, 1924.
- 192,095. INSECTICIDES. WEST DISINFECTING COMPANY, New York, N. Y. Filed May 13, 1924. Serial No. 196,995. PUBLISHED AUGUST 26, 1924.
- 192,096. CONTACT INSECTICIDE. REHFUSS & ANDERSON, Philadelphia, Pa. Filed May 10, 1924. Serial No. 196,982. PUBLISHED AUGUST 26, 1924.
- 192,097. CONTACT INSECTICIDE. REHFUSS & ANDERSON, Philadelphia, Pa. Filed May 10, 1924. Serial No. 196,981. PUBLISHED AUGUST 26, 1924.
- 192,098. COUGH SIRUP. TAM-BON PRODUCTS COMPANY, Providence, R. I. Filed May 12, 1924. Serial No. 196,942. PUBLISHED AUGUST 26, 1924.
- 192,099. ESSENTIAL INORGANIC FOOD MINERAL COMBINATIONS TRITURATED IN MILK SUGAR. HOMER C. ROBERTS, Sioux City, Iowa. Filed April 8, 1924. Serial No. 195,191. PUBLISHED AUGUST 26, 1924.
- 192,100. FACE CREAM AND HAND BEAUTIFIER. HENRY HENKIN, doing business as Tang Products Co., San Francisco, Calif. Filed March 3, 1924. Serial No. 193,173. PUBLISHED AUGUST 26, 1924.
- 192,101. REDUCING JELLY. RACHEL PURVIS, Montclair, N. J. Filed February 20, 1924. Serial No. 192,582. PUBLISHED AUGUST 26, 1924.
- 192,102. BEAUTY CREAM. PIERRE DEBAUGE, Neuilly-sur-Seine, France. Filed February 16, 1924. Serial No. 192,367. PUBLISHED AUGUST 12, 1924.
- 192,103. HAIR TONIC. JOHN M. TURNER, doing business as American Indian Products Co., Los Angeles, Calif. Filed January 24, 1924. Serial No. 191,241. PUBLISHED AUGUST 26, 1924.
- 192,104. GERMICIDE AND ANTISEPTIC PREPARATION. HACO-GESELLSCHAFT A-G. BERN, Berne, Switzerland. Filed January 24, 1924. Serial No. 191,228. PUBLISHED AUGUST 26, 1924.
- 192,105. CERTAIN TOILET PREPARATIONS. DAME NATURE Co., Chicago, Ill., and New York, N. Y. Filed May 2, 1923. Serial No. 180,055. PUBLISHED AUGUST 12, 1924.
- 192,106. CERTAIN TOILET PREPARATIONS. DAME NATURE Co., Chicago, Ill., and New York, N. Y. Filed May 2, 1923. Serial No. 180,054. PUBLISHED AUGUST 12, 1924.
- 192,107. SALVE FOR EXTERNAL USE. ALFRED HERBICK, Manton, Calif. Filed March 26, 1923. Serial No. 178,040. PUBLISHED AUGUST 26, 1924.
- 192,108. EMOLLIENT BATH FOR THE BODY. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed January 11, 1923. Serial No. 174,463. PUBLISHED AUGUST 26, 1924.
- 192,109. YEAST FOR MEDICAL AND CHEMICAL USES. AKTIESELSKABET DE DANSKE SPRITFABRIK, doing business as Dansk Gaer-Central, Copenhagen, Denmark. Filed April 27, 1922. Serial No. 162,976. PUBLISHED AUGUST 12, 1924.
- 192,110. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Serial No. 199,312. PUBLISHED SEPTEMBER 9, 1924.
- 192,111. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Serial No. 199,313. PUBLISHED SEPTEMBER 9, 1924.
- 192,112. COMPACT, REFILLS, ROUGE, AND POWDER. JACK JOSIAS, doing business as Hojos Company, New York, N. Y. Filed July 2, 1924. Serial No. 199,478. PUBLISHED SEPTEMBER 16, 1924.
- 192,113. ANIMAL MEDICINES. H. CLAY GLOVER CO., Inc., New York, N. Y. Filed July 3, 1924. Serial No. 199,351. PUBLISHED SEPTEMBER 9, 1924.
- 192,114. PREPARATION TO BE USED IN THE TREATMENT OF SECONDARY ANEMIA. THE WILSON LABORATORIES, Chicago, Ill. Filed July 3, 1924. Serial No. 199,393. PUBLISHED SEPTEMBER 9, 1924.
- 192,115. MEDICINAL PREPARATION FOR THE TREATMENT OF CHRONIC AND PERSISTENT COUGHS, COLDS, AND BRONCHIAL ASTHMA. LELAND BLANCHE COFFET, doing business as Creolyptus Co., Kansas City, Mo. Filed July 7, 1924. Serial No. 199,677. PUBLISHED SEPTEMBER 9, 1924.
- 192,116. PERFUMES, COSMETICS, AND DERMATOLOGICAL PRODUCTS—NAMELY, PERFUME EXTRACTS, FACE CREAMS, VANISHING CREAMS, MASSAGE CREAMS, COLD CREAMS, SACHET POWDERS, TOILET WATERS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, FACE POWDERS, TOOTH PASTES, TOOTH WASHES, LIP STICKS, ROUGES; BANDOLINE, LIQUID AND SOLID; ASTRINGENT LOTION, CUTICLE OILS, PERFUMED WATER SOFTENERS. JOHN H. GOOD, doing business as The Hollywood Perfume Co., Los Angeles, Calif. Filed July 7, 1924. Serial No. 199,689. PUBLISHED SEPTEMBER 16, 1924.
- 192,117. OINTMENT FOR FILES. GEORGE J. AUCLAIR, doing business as Clair's Ointment Company, South Groveland, Mass. Filed July 15, 1924. Serial No. 200,030. PUBLISHED SEPTEMBER 16, 1924.
- 192,118. HAIRDRESSING. THE LEWIS DRUG COMPANY, Montgomery, Ala. Filed July 15, 1924. Serial No. 200,050. PUBLISHED SEPTEMBER 16, 1924.

- 192,119. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,067. PUBLISHED SEPTEMBER 16, 1924.
- 192,120. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,068. PUBLISHED SEPTEMBER 16, 1924.
- 192,121. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,069. PUBLISHED SEPTEMBER 16, 1924.
- 192,122. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,070. PUBLISHED SEPTEMBER 16, 1924.
- 192,123. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,071. PUBLISHED SEPTEMBER 16, 1924.
- 192,124. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,072. PUBLISHED SEPTEMBER 16, 1924.
- 192,125. HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924. Serial No. 200,073. PUBLISHED SEPTEMBER 16, 1924.
- 192,126. SCALP TONIC. CORA BROWNE, doing business as Cora's Hair Preparation Company, Denver, Colo. Filed July 17, 1924. Serial No. 200,132. PUBLISHED SEPTEMBER 16, 1924.
- 192,127. MEDICINAL PREPARATION FOR THE TREATMENT OF PELLAGRA AND STOMACH COMPLAINTS. CATAWBA CHEMICAL COMPANY, Fort Mill, S. C. Filed July 17, 1924. Serial No. 200,134. PUBLISHED SEPTEMBER 16, 1924.
- 192,128. MOTOR-FUEL INGREDIENT. WM. C. ROBINSON & SON CO., Baltimore, Md. Filed July 17, 1924. Serial No. 200,156. PUBLISHED SEPTEMBER 16, 1924.
- 192,129. EXPECTORANT SOLUTION. GEORGE F. HARGRAVE, doing business as Hargrave Medicine Co., North Little Rock, Ark. Filed July 18, 1924. Serial No. 200,197. PUBLISHED SEPTEMBER 9, 1924.
- 192,130. ACCELERATORS OF VULCANIZATION OF RUBBER, GUTTA PERCHA, AND BALATA GOODS. THE MIDLAND TAR DISTILLERS LIMITED, Birmingham, England. Filed June 4, 1924. Serial No. 198,080. PUBLISHED SEPTEMBER 9, 1924.
- 192,131. LAXATIVE MEDICINE. HERBERT P. FRYD, New York, N. Y. Filed June 7, 1924. Serial No. 198,229. PUBLISHED SEPTEMBER 16, 1924.
- 192,132. GERMICIDAL TABLETS, HEALING OINTMENT, VAGINAL AND RECTAL SUPPOSITORIES. YORK LABORATORIES CO., INC., York, Pa. Filed June 11, 1924. Serial No. 198,438. PUBLISHED SEPTEMBER 16, 1924.
- 192,133. EXTERNAL COMPOUND. ABRAHAM J. HENDERSON, Winston-Salem, N. C. Filed June 18, 1924. Serial No. 198,744. PUBLISHED SEPTEMBER 16, 1924.
- 192,134. HAIR TONICS, FACE LOTIONS, AND TOILET WATERS. ANTHONY MASCOLO, doing business as Greater New York Barber Supply, Brooklyn, N. Y. Filed June 18, 1924. Serial No. 198,753. PUBLISHED SEPTEMBER 16, 1924.

- 192,135. FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH CANTALOUPES. RANDOLPH MARKETING COMPANY, Los Angeles, Calif.
Filed June 20, 1924. Serial No. 198,882. PUBLISHED SEPTEMBER 2, 1924.
- 192,136. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,296. PUBLISHED SEPTEMBER 9, 1924.
- 192,137. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,297. PUBLISHED SEPTEMBER 9, 1924.
- 192,138. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,299. PUBLISHED SEPTEMBER 9, 1924.
- 192,139. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,300. PUBLISHED SEPTEMBER 9, 1924.
- 192,140. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,301. PUBLISHED SEPTEMBER 9, 1924.
- 192,141. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,302. PUBLISHED SEPTEMBER 9, 1924.
- 192,142. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,303. PUBLISHED SEPTEMBER 9, 1924.
- 192,143. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,304. PUBLISHED SEPTEMBER 9, 1924.
- 192,144. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,305. PUBLISHED SEPTEMBER 9, 1924.
- 192,145. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,306. PUBLISHED SEPTEMBER 9, 1924.
- 192,146. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,308. PUBLISHED SEPTEMBER 9, 1924.
- 192,147. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,309. PUBLISHED SEPTEMBER 9, 1924.
- 192,148. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,310. PUBLISHED SEPTEMBER 9, 1924.
- 192,149. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,311. PUBLISHED SEPTEMBER 9, 1924.
- 192,150. PREPARATION FOR THE TREATMENT OF DIPHTHERIA, TONSILLITIS, AND SORE THROAT. LILLIAN M. BEST, Iron Mountain, Mich.
Filed May 28, 1924. Serial No. 197,699. PUBLISHED SEPTEMBER 16, 1924.
- 192,151. CERTAIN TOILET PREPARATIONS. EDWARD L. MITTELSTAEDT, doing business as Mocq, Burnier & Co., Inc., New York, N. Y.
Filed May 21, 1924. Serial No. 197,387. PUBLISHED SEPTEMBER 16, 1924.

- 192,152. EYE BATH. SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa.
Filed May 20, 1924. Serial No. 197,348. PUBLISHED SEPTEMBER 16, 1924.
- 192,153. CERTAIN TOILET PREPARATIONS. ELIZABETH SHELLEY, doing business as Gisele Laboratories, Los Angeles, Calif.
Filed May 14, 1924. Serial No. 197,053. PUBLISHED SEPTEMBER 16, 1924.
- 192,154. HAIR VITALIZER OR HAIR TONIC. PHYSICAL CULTURE PUBLISHING CORP., New York, N. Y.
Filed April 17, 1924. Serial No. 195,710. PUBLISHED SEPTEMBER 16, 1924.
- 192,155. LUBRICATING OILS, MOTOR OILS, AND OILS FOR PREVENTING CHATTERING IN BRAKE MECHANISMS ON AUTOMOBILES AND FORD CARS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed April 17, 1924. Serial No. 195,671. PUBLISHED SEPTEMBER 16, 1924.
- 192,156. QUININE AND ASPIRIN. JAMES W. WOOD, doing business as The Fallkill Products Co., Poughkeepsie, N. Y.
Filed April 16, 1924. Serial No. 195,668. PUBLISHED SEPTEMBER 16, 1924.
- 192,157. MEDICINE, A NERVE TONIC AND BLOOD PURIFIER, AND FOR THE TREATMENT OF NERVOUS DISEASES, DEBILITY, WEAKNESS, DYSPEPSIA, AND ANY IRREGULARITIES OF THE DIGESTIVE SYSTEM. AUGUSTE ZIANI, doing business as Oriental Medicine Co., Windsor, Ontario, Canada.
Filed April 4, 1924. Serial No. 195,033. PUBLISHED SEPTEMBER 9, 1924.
- 192,158. COMPRESSED TABLET USED AS A PREVENTIVE OF AND TREATMENT FOR PYORRHEA. MONROE S. PECK, doing business as Life-Chemistry Institute, Erie, Pa.
Filed April 4, 1924. Serial No. 195,010. PUBLISHED SEPTEMBER 16, 1924.
- 192,159. MEDICINAL COUGH DROPS. J. W. LIGHTBOWN & SONS, Accrington, England.
Filed March 11, 1924. Serial No. 193,604. PUBLISHED SEPTEMBER 16, 1924.
- 192,160. SPECIFIC FOR THE TREATMENT OF DISEASES OF CATTLE, SUCH AS FOOT-AND-MOUTH DISEASE. SOCIETA ANONIMA PRODOTTI IOZZI, Florence, Italy.
Filed January 14, 1924. Serial No. 190,817. PUBLISHED SEPTEMBER 16, 1924.
- 192,161. CAPSULES FOR CERTAIN PURPOSES. THE LAFAYETTE PHARMACAL CO., La Fayette, Ind.
Filed January 9, 1924. Serial No. 190,596. PUBLISHED SEPTEMBER 16, 1924.
- 192,162. HAIR-REMOVING WAX. PAUL GREENFIELD, New York, N. Y.
Filed November 16, 1923. Serial No. 188,414. PUBLISHED SEPTEMBER 16, 1924.
- 192,163. CATHARTIC PILLS. FOSTER-McCLELLAN CO., Buffalo, N. Y., and Paris, France.
Filed November 10, 1923. Serial No. 188,195. PUBLISHED SEPTEMBER 16, 1924.
- 192,164. NEAR BEER AND MALT CEREAL BEVERAGES. PABST CORPORATION, Milwaukee, Wis.
Filed September 1, 1923. Serial No. 185,262. PUBLISHED FEBRUARY 5, 1924.
- 192,165. PREPARATION FOR USE AS A DISINFECTANT, DEODORANT, INSECTICIDE, AND GERMICIDE FOR VETERINARY PURPOSES. DAVID MOLÓFSKY, doing business as Silmo Chemical Company, Vineland, N. J.
Filed August 15, 1923. Serial No. 184,509. PUBLISHED SEPTEMBER 16, 1924.

- 192,166. CERTAIN TOILET PREPARATIONS. MYRURGIA S. A., Barcelona, Spain.
Filed AUGUST 4, 1923. Serial No. 184,090. PUBLISHED SEPTEMBER 9, 1924.
- 192,167. INSECTICIDE IN POWDERED AND LIQUID FORMS. TRAVIS AND WALKER, Chicago, Ill.
Filed February 26, 1923. Serial No. 176,660. PUBLISHED SEPTEMBER 16, 1924.
- 192,168. SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. FIELD & FLINT CO., Boston and Brockton, Mass.
Filed February 8, 1923. Serial No. 175,717. PUBLISHED JUNE 5, 1923.
- 192,169. TABLE AND DAIRY SALT. THE LOOMIS & WILLSON CO., Hartford, Conn.
Filed December 30, 1922. Serial No. 174,019. PUBLISHED SEPTEMBER 16, 1924.
- 192,170. COUGH SIRUP. JENNIE L. McALLISTER & SON, Chicago, Ill.
Filed August 2, 1924. Serial No. 200,889. PUBLISHED SEPTEMBER 16, 1924.
- 192,171. OINTMENT. NEP PRODUCTS COMPANY, Boston, Mass.
Filed August 1, 1924. Serial No. 200,826. PUBLISHED SEPTEMBER 16, 1924.
- 192,172. COMPOUND FOR TREATING COLDS AND GRIP. HARRY J. S. KEIM, doing business as Lehigh Medical Laboratory, Catasauqua, Pa.
Filed July 31, 1924. Serial No. 200,768. PUBLISHED SEPTEMBER 16, 1924.
- 192,173. COMPOUND FOR TREATING COLDS AND GRIP. HARRY J. S. KEIM, doing business as Lehigh Medical Laboratory, Catasauqua, Pa.
Filed July 31, 1924. Serial No. 200,767. PUBLISHED SEPTEMBER 16, 1924.
- 192,174. COMPOUND FOR TREATING COLDS AND GRIP. HARRY J. S. KEIM, doing business as Lehigh Medical Laboratory, Catasauqua, Pa.
Filed July 31, 1924. Serial No. 200,766. PUBLISHED SEPTEMBER 16, 1924.
- 192,175. HAIR TONIC. ELEN G. ANAGNOS, Bridgeport, Conn.
Filed July 31, 1924. Serial No. 200,743. PUBLISHED SEPTEMBER 16, 1924.
- 192,176. FIRE-EXTINGUISHING MATERIAL IN PULVERULENT FORM. WALTER Z. ADAMSON, Philadelphia, Pa.
Filed July 31, 1924. Serial No. 200,740. PUBLISHED SEPTEMBER 16, 1924.
- 192,177. THROAT SWAB OR SPRAY. GLAS TON-OL LAB. CORP., Jamaica, N. Y.
Filed July 30, 1924. Serial No. 200,717. PUBLISHED SEPTEMBER 16, 1924.
- 192,178. IODIZED CALCIUM MEDICATION PUT UP IN SOLID FORM, ALSO AS AN EMULSION, USED IN THE TREATMENT OF BRONCHITIS, NON-DIPHTHERITIC CROUP, LARYNGITIS, PHARYNGITIS, PNEUMONIA, AND CATARRHAL CONDITIONS OF THE RESPIRATORY TRACT. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.
Filed July 30, 1924. Serial No. 200,715. PUBLISHED SEPTEMBER 16, 1924.
- 192,179. CHEMICAL FOR ASSISTING IN DYEING OPERATIONS, COMMONLY CALLED A DYEING VEHICLE. JOHN CAMPBELL & CO., New York, N. Y.
Filed July 30, 1924. Serial No. 200,710. PUBLISHED SEPTEMBER 16, 1924.
- 192,180. PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF STOMACH, LIVER, BOWEL, AND INTESTINAL DISORDERS, WITH DESIRED ACTION ON THE KIDNEYS. G. W. C. RUSH, doing business as Rushene Laboratories, Monroe, N. C.
Filed July 29, 1924. Serial No. 200,691. PUBLISHED SEPTEMBER 16, 1924.
- 192,181. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH. HAAS BROTHERS, San Francisco, Calif.
Filed July 29, 1924. Serial No. 200,681. PUBLISHED SEPTEMBER 9, 1924.
- 192,182. PROPRIETARY PREPARATION IN TABLET FORM FOR THE RELIEF OF DYSPEPSIA, INDIGESTION, GAS ON THE STOMACH, AND BILIOUSNESS. GEORGE M. CLARK, doing business as G. M. Clark Co., Lancaster, N. H.
Filed July 29, 1924. Serial No. 200,670. PUBLISHED SEPTEMBER 16, 1924.
- 192,183. PROPHYLACTIC. THE LOTUS DRUG CO., South Bend, Ind.
Filed July 26, 1924. Serial No. 200,568. PUBLISHED SEPTEMBER 16, 1924.
- 192,184. PREPARATION FOR STRAIGHTENING AND IMPROVING THE HAIR. RA MELLE EASON, doing business as The Ezy-Strait Co., Hernando, Miss.
Filed July 25, 1924. Serial No. 200,482. PUBLISHED SEPTEMBER 16, 1924.
- 192,185. TONIC FOR GENERAL DEBILITY AND ORGANIC WEAKNESS, ANÆMIA, AND LYMPHATISM. ANTONIO SANSONE, Newark, N. J.
Filed July 24, 1924. Serial No. 200,403. PUBLISHED SEPTEMBER 16, 1924.
- 192,186. FACIAL CREAM. HILL BLACKETT, Chicago, Ill.
Filed July 24, 1924. Serial No. 200,410. PUBLISHED SEPTEMBER 16, 1924.
- 192,187. FACE CREAM. THE LOWELL COMPANY, New York, N. Y.
Filed July 22, 1924. Serial No. 200,365. PUBLISHED SEPTEMBER 16, 1924.
- 192,188. DESIZING COMPOUND. HAZLETON SYRUP CO., Hazleton, Pa.
Filed July 22, 1924. Serial No. 200,358. PUBLISHED SEPTEMBER 16, 1924.
- 192,189. FOOT REMEDY. MANSUR M. NASSAR, Cincinnati, Ohio.
Filed July 21, 1924. Serial No. 200,338. PUBLISHED SEPTEMBER 16, 1924.
- 192,190. MOUTH MASSAGE FOR CLEANSING THE TEETH, GUMS, AND INSIDE OF THE MOUTH. C. SMITH LONG, Portland, Oreg.
Filed July 21, 1924. Serial No. 200,332. PUBLISHED SEPTEMBER 16, 1924.
- 192,191. HAIR SHAMPOO. PHYSICAL CULTURE PRODUCTS CORPORATION, New York, N. Y.
Filed July 15, 1924. Serial No. 200,302. PUBLISHED SEPTEMBER 16, 1924.
- 192,192. HAIR SHAMPOO. PHYSICAL CULTURE PRODUCTS CORPORATION, New York, N. Y.
Filed July 15, 1924. Serial No. 200,301. PUBLISHED SEPTEMBER 16, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

192,193. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUANE R. RICE, Baltimore, Md. Filed June 29, 1922. Serial No. 166,261.

LUNCH LOAF

Particular description of goods.—Bread.
Claims use since Nov. 1, 1920.

192,194. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE HETRICK MANUFACTURING CO., Toledo, Ohio. Filed Jan. 29, 1923. Serial No. 175,242.



Particular description of goods.—Waterproofed Canvas, Tents, Covers, and Paulins.
Claims use since 1912.

192,195. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCE MILLING COMPANY, Cobleskill, N. Y. Filed Mar. 3, 1923. Serial No. 176,891.

GOLD MEDAL

Particular description of goods.—Self-Rising Buckwheat and Wheat Flour and Pancake Flour.
Claims use since 1904.

192,196. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CHAMPION CARSON MFG. CO., Cincinnati, Ohio. Filed May 17, 1923. Serial No. 180,749.

CHARGOR

Particular description of goods.—Dry-Cell Electric Batteries.
Claims use since Apr. 27, 1923.

192,197. (CLASS 43. BEVERAGES, NONALCOHOLIC.) PETER E. BARNETT, doing business as GlobeFizz Products Company, Chicago, Ill. Filed July 9, 1923. Serial No. 182,957.

BARNETT'S Grape Fizz

Particular description of goods.—Maltless Artificial Grape Beverage Sold as Soft Drinks and Sirup for Making the Same.
Claims use for not less than one year.

192,198. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Aug. 1, 1923. Serial No. 183,933.

Quickfix

Particular description of goods.—Composition of Matter for Patching or Repairing Floors, Walls, or Other Structures of Concrete, Stone, and Other Lapidaceous Materials.
Claims use since June 1, 1923.

192,199. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARSON, PIRIE, SCOTT & COMPANY, Chicago, Ill. Filed Aug. 17, 1923. Serial No. 184,594.

ECONOMY

Particular description of goods.—Electric Flat or Sad Irons.
Claims use since about Sept. 6, 1922.

192,200. (CLASS 43. BEVERAGES, NONALCOHOLIC.) THE MAYBORN FOOD PRODUCTS COMPANY, Cleveland, Ohio. Filed Sept. 1, 1923. Serial No. 185,256.

ORANGE TRUE

Particular description of goods.—Nonalcoholic, Maltless Product Containing Orange Juice for Beverage Purposes.
Claims use since Apr. 26, 1921.

NOVEMBER 25, 1924

U. S. PATENT OFFICE.

829

192,201. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GATTS RUBBER COMPANY, Denver, Colo. Filed Sept. 20, 1923. Serial No. 185,966.

peerless

Particular description of goods.—Rubber Tires and Inner Tubes for Pneumatic Tires.
Claims use since Sept. 5, 1923.

192,202. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MEIROWSKY BROTHERS, Jersey City, N. J. Filed Sept. 20, 1923. Serial No. 185,982.

MICATONES

Particular description of goods.—Mica Diaphragms for Sound Reproducers.
Claims use since May 7, 1916.

192,203. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) STANDARD MUSIC ROLL COMPANY, Orange, N. J. Filed Sept. 27, 1923. Serial No. 186,299.

STANDARD

Particular description of goods.—Player-Piano Music Rolls.
Claims use since Sept. 20, 1923.

192,204. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Filed Oct. 25, 1923. Serial No. 187,457.

GUILDEN

Particular description of goods.—Watches, Watchcases, and Watch Movements.
Claims use since on or about Sept. 18, 1923.

192,205. (CLASS 15. OILS AND GREASES.) THE REFINERS OIL COMPANY, Dayton, Ohio. Filed Oct. 26, 1923. Serial No. 187,538.

REFINERS

Particular description of goods.—Gasoline, Lubricating Oils, and Greases.
Claims use since Jan. 31, 1923.

192,206. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 28, 1923. Serial No. 189,008.

EVERYTONE

Particular description of goods.—Telephone Head Sets.
Claims use since Sept. 22, 1923.

192,207. (CLASS 43. THREAD AND YARN.) W. WARREN THREAD WKS., Westfield, Mass. Filed Dec. 15, 1923. Serial No. 189,744.

LEROY

Particular description of goods.—Spool Cotton.
Claims use since Oct. 1, 1923.

192,208. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAFETY APPLIANCE MFG. CO., Portland, Ore. Filed Dec. 18, 1923. Serial No. 189,866.

Nite-Lite

Particular description of goods.—Automobile Lamps.
Claims use since Aug. 20, 1923.

192,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SCHUSTER COMPANY, Cleveland, Ohio. Filed Dec. 29, 1923. Serial No. 190,275.

SCHUSTER'S MALTED MARSHMALLOW TOPPING

Particular description of goods.—Malted Marshmallow Topping.
Claims use since Oct. 8, 1923.

192,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Feb. 29, 1924. Serial No. 193,071.

Rath's

Particular description of goods.—Butter, Lard, Sliced Bacon, Baked Ham, Skinned Ham, Picnics, Bacon; Fresh, Salted, Cured, and Pickled Meats; Cooked Meats and

Prepared Foods Containing Meats or Meat Products—Namely, Hogs' Brains, Briskets, Pickled Boneless Hocks, Pigs' Pickled Hearts and Feet, Pickled Tongues, Cooked Corned Beef, Liver Loaf, Luncheon Loaf, Jellyed Ox Tongue, Jellyed Pigs' Tongues, Jellyed Corned Beef, Cooked Pork Loaf, Pork Sausage, Spiced Jellyed Souse, Chile Con Carne, and Wiener-Style Sausage.

Claims use since on or about Jan. 1, 1900.

192,211. (CLASS 43. BEVERAGES, NONALCOHOLIC.) JOHN GRAF COMPANY, Milwaukee, Wis. Filed Mar. 21, 1924. Serial No. 194,184.



Particular description of goods.—Ginger Ale.
Claims use since Oct. 1, 1923.

192,212. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BUXTON INCORPORATED, Springfield, Mass. Filed Sept. 22, 1924. Serial No. 202,851.

BUXTON

Particular description of goods.—Key Cases.
Claims use since July 27, 1919.

192,213. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Sept. 23, 1924. Serial No. 202,944.

SERVICE

Particular description of goods.—Watches.
Claims use since June 5, 1917.

192,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOSTER PACKING COMPANY, Chicago, Ill. Filed Sept. 29, 1924. Serial No. 203,171.

FOSTER

Particular description of goods.—Corned Beef, Dried Beef, Canned Pork, Sausage, Lunch Tongue, Tomato Catchup, Tomato Puree, Canned Pineapple, Evaporated Milk, and Canned Salmon.
Claims use since May, 1909.

192,215. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WRIGHT AND MCGILL, Denver, Colo. Filed Oct. 7, 1924. Serial No. 203,552.

WILTLESS WING

TRADE MARK

Particular description of goods.—Fishing Flies.
Claims use since Dec. 1, 1922.

192,216. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Filed Oct. 9, 1924. Serial No. 203,645.

FAMOUS READING ANTHRACITE

Particular description of goods.—Coal.
Claims use since September, 1914.

192,217. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE H. K. H. SILK CO., Watertown, Conn. Filed Oct. 10, 1924. Serial No. 203,677.

HEMINWAY SILKS

Particular description of goods.—Pure and Artificial Silk Fabrics in the Piece.
Claims use since about Apr. 22, 1921.

192,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUANE R. RICE, Baltimore, Md. Filed June 29, 1922. Serial No. 166,260.

SQUARE LOAF

Particular description of goods.—Bread.
Claims use since Nov. 1, 1920.

192,219. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHARLES B. WAGNER, Jr., doing business as Wagner Specialty Co., Burlington, Wis. Filed Sept. 12, 1924. Serial No. 202,569.

Kant-Suk

Particular description of goods.—Calf Weaners.
Claims use since Oct. 20, 1903.

192,220. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WAPPLER ELECTRIC COMPANY, INC., Long Island City, N. Y. Filed Sept. 11, 1924. Serial No. 202,534.

WAPPLER

Particular description of goods.—X-Ray Apparatus.
Claims use since July 1, 1914.

192,221. (CLASS 39. CLOTHING.) BRENT-HURST COMPANY, INC., Baltimore, Md. Filed Sept. 8, 1924. Serial No. 202,321.

QUALITY FIRST

Particular description of goods.—Men's Suits, Young Men's Suits, Boys' Suits, and Men's Trousers.
Claims use since early part of 1916.

192,222. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SANITARIUM EQUIPMENT CO., Battle Creek, Mich. Filed Sept. 5, 1924. Serial No. 202,260.

BATTLE CREEK

Particular description of goods.—Electric-Light-Bath Cabinets and Therapeutic Lamps, Hydrotherapy Apparatus (Water Spray or Shower), Apparatus for the Treatment of Diseases, Mechanical Swedish Apparatus, Massage Tables, Exercise Tables, Automatic Exercisers, and Electrical-Treatment Apparatus.
Claims use since Jan. 1, 1911.

192,223. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN MECHANICAL WORKS, Los Angeles, Calif. Filed Aug. 30, 1924. Serial No. 202,027.

American

Particular description of goods.—Automobile Accessories, Particularly Electric Timers.
Claims use since May 20, 1921.

192,224. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GEM ENGINEERING CORPORATION, Hempstead, N. Y. Filed Aug. 23, 1924. Serial No. 201,806.



Particular description of goods.—Electrical Switching Apparatus Controlling the Flashing of Lights or the Like.
Claims use since June 15, 1922.

192,225. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KNICKERBOCKER WATCH CO., New York, N. Y. Filed Aug. 15, 1924. Serial No. 201,454.

WARWICK

Particular description of goods.—Clocks and Watches.
Claims use since June 25, 1923.

192,226. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Aug. 13, 1924. Serial No. 201,324.

PAUL DUJARDIN

Particular description of goods.—Clarinets.
Claims use since January, 1920.

192,227. (CLASS 15. OILS AND GREASES.) THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Aug. 1, 1924. Serial No. 200,800.

"Keeps upkeep Down"

Particular description of goods.—Lubricating Oils for Internal-Combustion Motors.
Claims use since on or about July 6, 1922.

192,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONROE PRODUCTS CO., New York, N. Y. Filed July 28, 1924. Serial No. 200,631.

MONROE

Particular description of goods.—Baking Powder.
Claims use since May 1, 1921.

192,229. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) EAGLE BRASS FOUNDRY COMPANY, Seattle, Wash. Filed July 28, 1924. Serial No. 200,616.

BALDWIN METAL

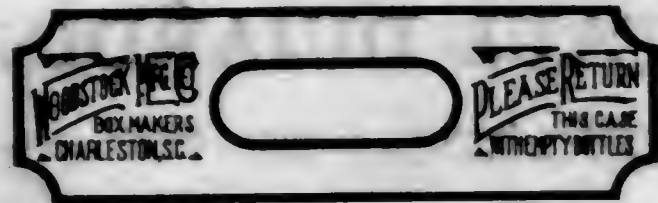
Particular description of goods.—Ingots, Castings, Round and Hexagonal Bars, and Bushing Stock of Non-ferrous Metal.
Claims use since May 1, 1900.

192,230. (CLASS 12. CONSTRUCTION MATERIALS.) M. J. MERRIN PAINT CO. INC., New York, N. Y. Filed July 16, 1924. Serial No. 200,110.

PERFECT SEAL LIQUID READY ROOF COATING

Particular description of goods.—Ready Roof Coating.
Claims use since June 1, 1922.

192,231. (CLASS 2. RECEPTACLES.) WOODSTOCK Mfg. Co., Charleston, S. C. Filed July 11, 1924. Serial No. 199,917.



Particular description of goods.—Wooden, Pasteboard, and Paper Cartons.
Claims use since Jan. 1, 1923.

192,232. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed July 11, 1924. Serial No. 199,907.

WINDHAM

Particular description of goods.—Pianos and Phonographs.
Claims use since Jan. 1, 1922.

192,233. (CLASS 8. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW WILSON, INCORPORATED, Springfield, N. J. Filed July 1, 1924. Serial No. 199,448.

Andrew Wilson

Particular description of goods.—Insecticides.
Claims use since February, 1914.

192,234. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NACHOD SIGNAL COMPANY, Louisville, Ky. Filed June 30, 1924. Serial No. 199,381.

NACHOD

Particular description of goods.—Electric Railway Signals.
Claims use since March, 1922.

TRADE-MARK REGISTRATIONS RENEWED

26,505. PNEUMATIC AND TIRE VALVES. Registered April 30, 1895. GEORGE H. F. SCHRADER. Renewed April 30, 1925. to A. Schrader's Son, Incorporated, New York, N. Y., assignee.

192,235. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BAYER, PRETZFELDER & MILLS, INC., doing business as The Paskar Watch Co., New York, N. Y. Filed May 1, 1924. Serial No. 196,362.

PASKAR

Particular description of goods.—Watches.
Claims use since about April, 1916.

192,236. (CLASS 25. LOCKS AND SAFES.) THE S. H. THOMSON MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 18, 1924. Serial No. 193,784.

SUPERIOR

Particular description of goods.—Radiator Caps Equipped with Locks.
Claims use since on or about Sept. 14, 1923.

192,237. (CLASS 10. PAINTS AND PAINTERS' MATERIALS.) CHARLES E. BRADLEY, Boston, Mass. Filed Apr. 3, 1924. Serial No. 194,903.

STUC-O-TINT

Particular description of goods.—A Finish in the Nature of a Plastic Paint for Ceilings and Wall Surfaces, Whether of Plaster, Wood, Paper, Metal, Brick, or Stone.
Claims use since Apr. 1, 1922.

192,238. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MONROE SILK MILLS, Stroudsburg, Pa. Filed Mar. 28, 1924. Serial No. 194,609.

MONROE

Particular description of goods.—Seam Binding.
Claims use since 1913.

LABELS

REGISTERED NOVEMBER 25, 1924.

27,884.—Title: QUAKER-TOWN PEPPER-POT. For Food Products. ANCHOR PRODUCTS Co., Los Angeles, Calif. Published June 20, 1924.

27,885.—Title: HIKEDRY, MAKES LEATHER WATER-PROOF. For Waterproof Composition "Hikedry." GUST A. DANIELSON, Los Angeles, Calif. Published August 12, 1924.

27,886.—Title: HIKEDRY, MAKES LEATHER WATER-PROOF. For Waterproof Composition "Hikedry." GUST A. DANIELSON, Los Angeles, Calif. Published August 12, 1924.

27,887.—Title: OLD WITCH EXTRA STRENGTH AMMONIA. For Household Ammonia. JOHN R. DOLAN and JOHN P. SHEA, Brooklyn, N. Y. Published August 16, 1924.

27,888.—Title: U-RE-KA. For Mineral Paste. THE GRADY MFG. Co., Long Island City, N. Y. Published July 30, 1924.

27,889.—Title: PROTEIN S.M.A. (ACIDUATED.) For Food for Infants. THE LABORATORY PRODUCTS Co., Cleveland, Ohio. Published July 20, 1924.

27,890.—Title: MASON'S CHOCOLATE CREAM YULE BELLS. For Candy. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y. Published August 5, 1924.

27,891.—Title: MASON'S TOROS CANDY. For Candy. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y. Published August 5, 1924.

27,892.—Title: MILLEN'S DUST ABSORBER AND POLISHER. For Treated Polishing and Dust Absorbing Cloth, Fabric, or Fibrous Material. STANLEY S. MILLEN, doing business as Milten Mfg. & Sales Co., Los Angeles, Calif. Published August 1, 1924.

27,893.—Title: TRU-FIT DRESSES. For Ladies', Misses', Junior, or Children's Dresses. I. MITTELMAN & Co., Inc., New York, N. Y. Published August 21, 1924.

27,894.—Title: ORLEANS APPLES. For Evaporated Apples. W. H. PACKARD, Rochester, N. Y. Published July 23, 1924.

27,895.—Title: ZEV. For Soap. PARKE CORPORATION, Kalamazoo, Mich. Published August 6, 1924.

27,896.—Title: SOUTH SEA. For Canned Tunny Fish. MAX A. REX, doing business as California Sea Food Co., Los Angeles, Calif. Published January 2, 1924.

27,897.—Title: SUPERIOR GINGER ALE. For Ginger Ale. SILVER KING MINERAL WATER COMPANY, Inc., New York, N. Y. Published July 18, 1924.

27,898.—Title: H. R. TIBBETTS PAINT CO. For Paint. H. R. TIBBETTS PAINT CO., Los Angeles, Calif. Published May 15, 1924.

PRINTS

REGISTERED NOVEMBER 25, 1924.

7,592.—Title: THE VAL-BALL PUMP PACKING. For Pump-Valve Packings. LEON J. BARWOOD, doing business as L. J. Barwood Mfg. Co., Stoneham, Mass. Published August 14, 1924.

7,593.—Title: CALIFORNIA FIG BREAD. For Bread. CALIFORNIA PEACH & FIG GROWERS, Fresno, Calif. Published May 1, 1924.

7,594.—Title: FROM SUNRISE TO TWILIGHT. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published August 18, 1924.

7,595.—Title: PINE TONIC SHAMPOO. For Preparation to be Used for Washing the Hair. ALFRED J. KRANK, St. Paul, Minn. Published July 17, 1924.

7,596.—Title: DON'T CUT THE CUTICLE—KEEP YOUR NAILS ALWAYS LOVELY THE CUTEX WAY. For Manicure Preparation and Implements. NORTHAM WARREN CORPORATION, New York, N. Y. Published May 15, 1924.

7,597.—Title: GRAPE SPARKLE. For Beverages. NORTHWESTERN EXTRACT Co., Milwaukee, Wis. Published August 13, 1924.

7,598.—Title: DRESSES. For Dresses Made of Silks, Cottons, and Woolens. L. OLCHIN & Co., Inc., New York, N. Y. Published May 20, 1924.

7,599.—Title: HE-YO-KA. For Fortune Telling Cards. BERTHA M. SULFER, San Antonio, Tex. Published August 23, 1924.

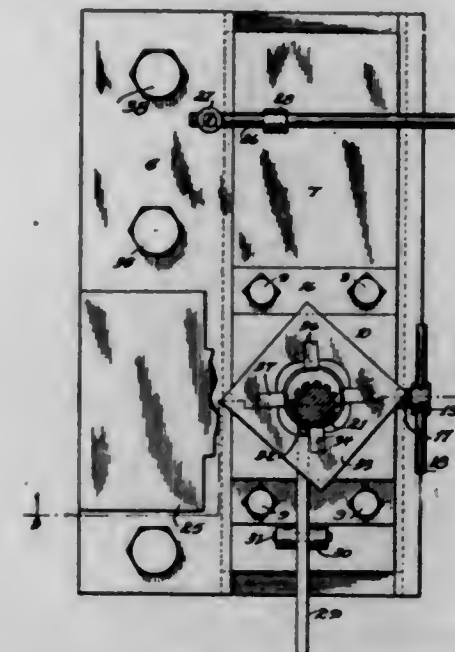
REISSUES

NOVEMBER 25, 1924.

15,952. INSULATING SUBSTANCE. HAROLD S. ASH-ENHURST, Chicago, Ill., assignor to Herbert A. Parkyn, Chicago, Ill. Filed July 18, 1924. Serial No. 726,893. Original No. 1,402,133, dated Jan. 3, 1922, Serial No. 382,903, filed May 20, 1920. Reissue No. 15,844, dated May 27, 1924, Serial No. 683,257, filed Dec. 28, 1923. 16 Claims. (Cl. 106—34.)

4. A new composition of matter having a pronounced cellular structure and composed of the reaction products of a finely divided material which will hydraulically set as the major ingredient, a water-insoluble carbonate, a substance having in water-solution an acid reaction with the carbonate whereby carbon dioxide is released, a retarder, and water.

15,953. CUT-BACK-DIE-THREAD MACHINE. EDWARD E. BECK, Chicago, Ill., assignor to Crown Die & Tool Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1923. Serial No. 673,020. Original No. 1,058,711, dated Apr. 15, 1913, Serial No. 663,348, filed Dec. 1, 1911. 12 Claims. (Cl. 10—154.)

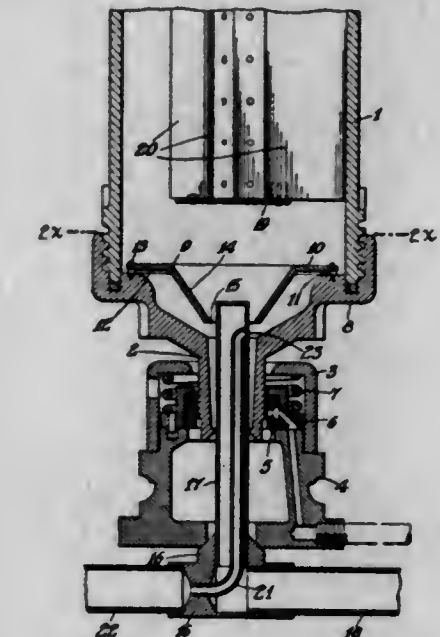


1. A die thread cut-back machine comprising in combination a milling cutter, a die support in a plane below said cutter, an adjustable rocking head block for the support, and means whereby said support and head block may be adjusted with reference to the milling cutter and the head block and support may be rocked in adjusting them to the cutter, substantially as described.

15,954. CENTRIFUGAL MACHINE. PHILIP TRIEST SHARPLES, Merion, Pa. Filed Aug. 14, 1923. Serial No. 657,438. Original No. 1,401,196, dated Dec. 27, 1921, Serial No. 310,661, dated July 14, 1919. 17 Claims. (Cl. 233—21.)

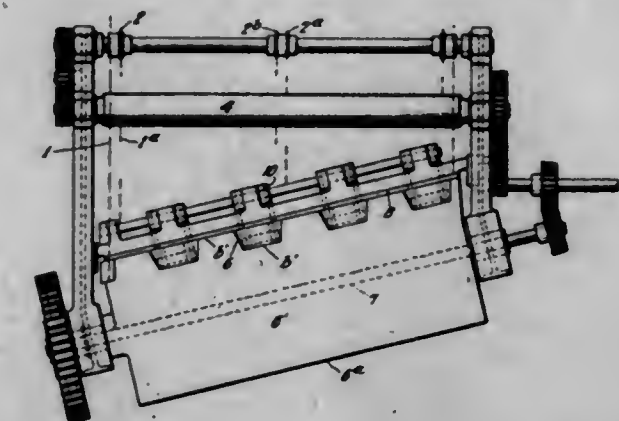
17. In a method of centrifugally treating a substance the steps comprising maintaining a plurality of sub-

stances in inner and outer zones by the action of centrifugal force, delivering to said inner zone the substance occupying said zone, and delivering to said outer zone,



while maintained out of contact with the substance contained in said inner zone, the substance occupying said outer zone.

15,955. APPARATUS FOR CUTTING ROOFING SHEETS. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc., a Corporation of New York. Filed Nov. 23, 1921. Serial No. 517,384. Original No. 1,352,154, dated Sept. 7, 1920, Serial No. 287,819, filed Apr. 5, 1919. 17 Claims. (Cl. 164—68.)



1. Apparatus of the character described comprising means for feeding a sheet of material, a pair of alternately acting cutters having different profiles, a stationary die for cooperating with one cutter, and supplemental die means movable into and out of juxtaposition to said stationary die for cooperating with the other cutter.

DESIGNS

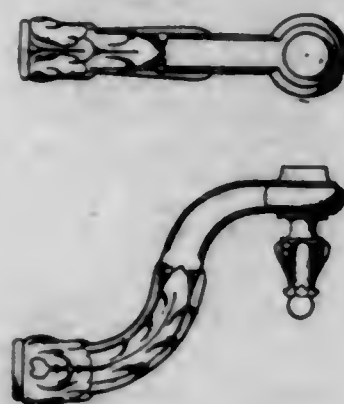
NOVEMBER 25, 1924.

66,053. WALL PLATE FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed June 11, 1924. Serial No. 9,842. Term of patent 7 years.



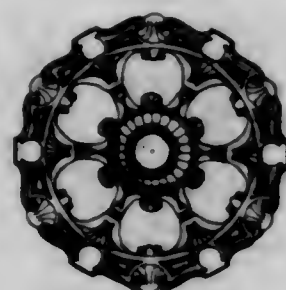
The ornamental design for a wall plate for lighting fixtures substantially as shown.

66,054. ARM FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed June 11, 1924. Serial No. 9,843. Term of patent 7 years.



The ornamental design for an arm for lighting fixtures substantially as shown.

66,055. CEILING PLATE FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed June 11, 1924. Serial No. 9,844. Term of patent 7 years.



The ornamental design for a ceiling plate for lighting fixtures substantially as shown.

66,056. ARM FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed June 11, 1924. Serial No. 9,845. Term of patent 7 years.



The ornamental design for an arm for lighting fixtures substantially as shown.

66,057. COLUMN FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed June 11, 1924. Serial No. 9,846. Term of patent 7 years.



The ornamental design for a column for lighting fixtures substantially as shown.

66,058. COLUMN FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed June 11, 1924. Serial No. 9,847. Term of patent 7 years.



The ornamental design for a column for lighting fixtures substantially as shown.

NOVEMBER 25, 1924

U. S. PATENT OFFICE.

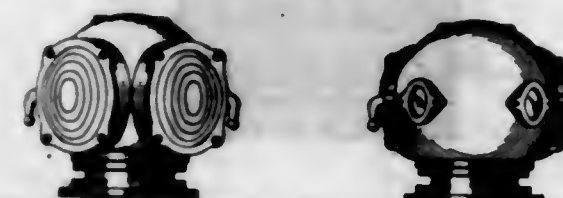
837

66,059. LIGHTING-FIXTURE PART. HARRY AGLOW, New York, N. Y., assignor to Artercraft Metal Stamping Corporation, a Corporation of New York. Filed June 27, 1924. Serial No. 9,993. Term of patent 3 1/2 years.



The ornamental design for a lighting fixture part substantially as shown and described.

66,060. LAMP CASING. JOHN A. AMOS, St. Louis, Mo., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 9, 1924. Serial No. 9,835. Term of patent 14 years.



The ornamental design for a lamp casing as shown.

66,061. WALL BRACKET FOR LIGHTING FIXTURES. ISIDOR BARNETT, New York, N. Y. Filed July 5, 1924. Serial No. 10,068. Term of patent 3 1/2 years.



The ornamental design for a wall bracket for lighting fixtures as shown.

66,062. WALL BRACKET FOR LIGHTING FIXTURES. ISIDOR BARNETT, New York, N. Y. Filed July 5, 1924. Serial No. 10,069. Term of patent 3 1/2 years.



The ornamental design for a wall bracket for lighting fixtures as shown.

66,063. DOLL. HUGO BAUM, New York, N. Y. Filed June 12, 1923. Serial No. 6,473. Term of patent 3 1/2 years.



The ornamental design for a doll, as shown.

66,064. COMBINED CIRCULAR LIGHTING-FIXTURE PART AND SUPPORTING MEMBER FOR THE SAME. MORRIS BERKOWITZ, Brooklyn, N. Y., assignor to Excelite Fixture Corporation, New York, N. Y., a Corporation of New York. Filed July 17, 1924. Serial No. 10,177. Term of patent $3\frac{1}{2}$ years.



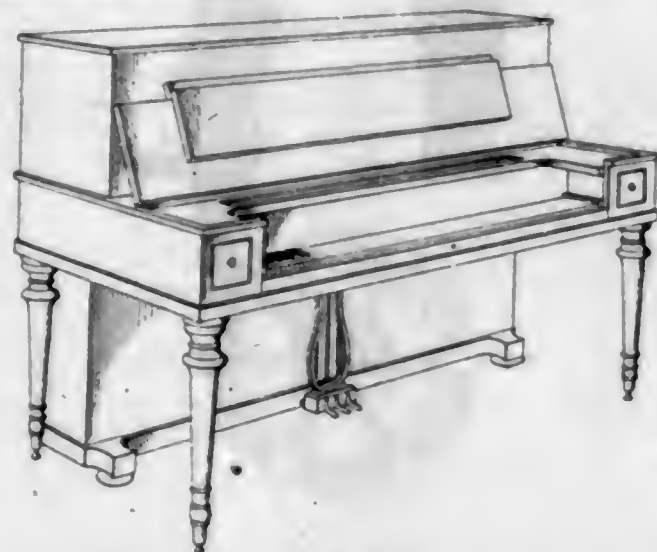
The ornamental design for a combined circular lighting fixture part and supporting member for the same, as shown.

66,065. MATTRESS TICKING. REUBEN BINKOVITZ, Brooklyn, N. Y. Filed Aug. 29, 1924. Serial No. 10,577. Term of patent $3\frac{1}{2}$ years.



The ornamental design for mattress ticking, as shown.

66,066. PIANO CASE. CLARENCE F. BREY, Philadelphia, Pa. Filed July 29, 1924. Serial No. 10,316. Term of patent 14 years.



The ornamental design for a piano case, as shown.

66,067. TEXTILE FABRIC. JAMES H. BUNTING, Clifton, N. J., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Sept. 27, 1924. Serial No. 10,913. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric as shown.

66,068. TEXTILE FABRIC. JAMES H. BUNTING, Clifton, N. J., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Sept. 27, 1924. Serial No. 10,914. Term of patent $3\frac{1}{2}$ years.



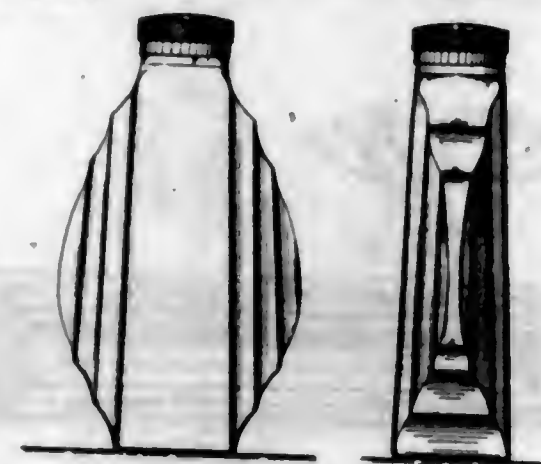
The ornamental design for a textile fabric as shown.

66,069. TEXTILE FABRIC. JAMES H. BUNTING, Clifton, N. J., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Sept. 27, 1924. Serial No. 10,915. Term of patent $3\frac{1}{2}$ years.



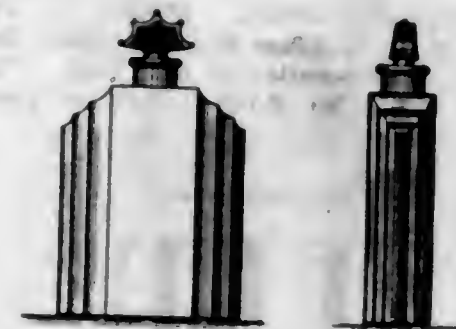
The ornamental design for a textile fabric as shown.

66,070. BOTTLE. LEON COHN, Paris, France. Filed Sept. 27, 1924. Serial No. 10,905. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bottle substantially as shown.

66,071. BOTTLE. LEON COHN, Paris, France. Filed Sept. 27, 1924. Serial No. 10,906. Term of patent $3\frac{1}{2}$ years.



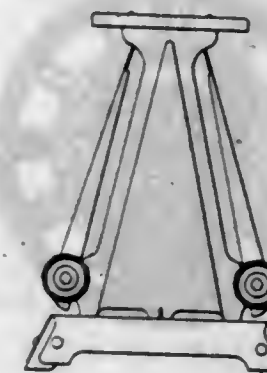
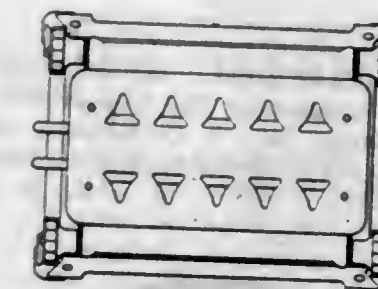
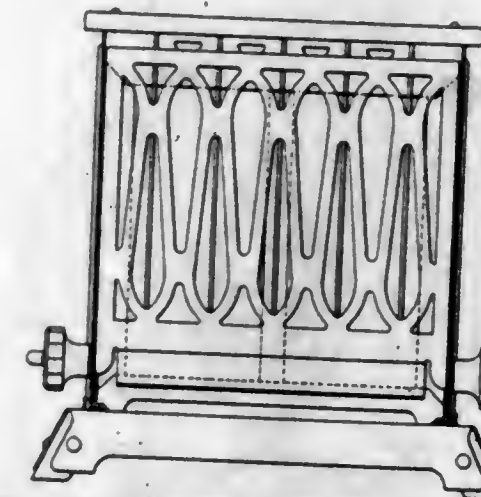
The ornamental design for a bottle substantially as shown.

66,072. BOX. LEON COHN, Paris, France. Filed Sept. 27, 1924. Serial No. 10,907. Term of patent $3\frac{1}{2}$ years.



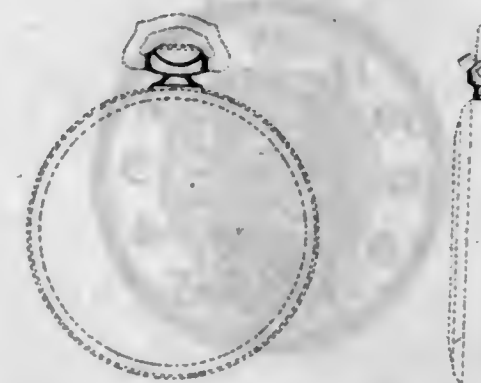
The ornamental design for a box substantially as shown.

66,073. ELECTRIC TOASTER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 10, 1923. Serial No. 7,459. Term of patent 14 years.



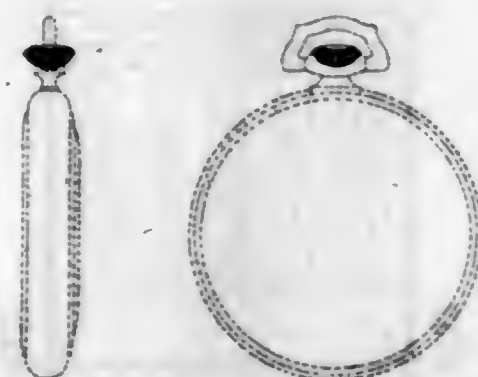
The ornamental design for an electric toaster substantially as shown and described.

66,074. WATCHCASE PENDANT. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,580. Term of patent 14 years.



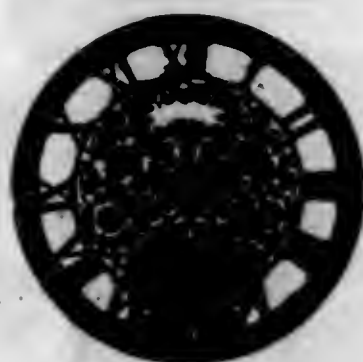
The ornamental design for a watchcase pendant, substantially as shown.

66,075. WATCHCASE CROWN. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,581. Term of patent 14 years.



The ornamental design for a watchcase crown, substantially as shown.

66,076. WATCHCASE DIAL. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,583. Term of patent 14 years.



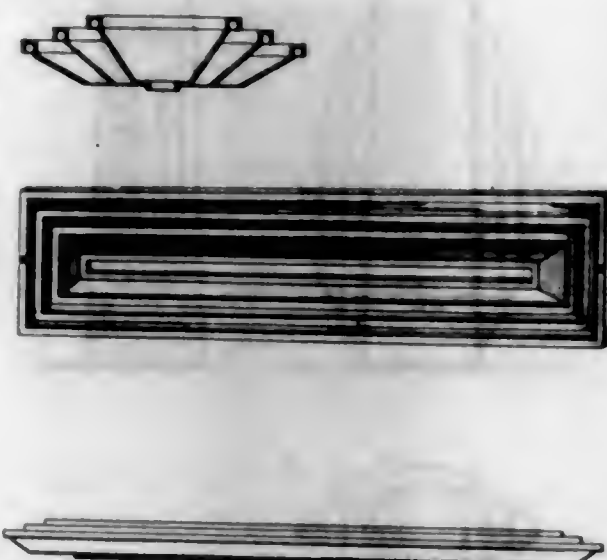
The ornamental design for a watchcase dial, substantially as shown.

66,077. WATCHCASE DIAL. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,584. Term of patent 14 years.



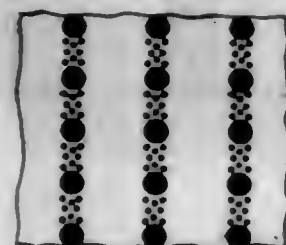
The ornamental design for a watchcase dial, substantially as shown.

66,078. ELECTRIC-HEATER FRONT. LLOYD WRIGHT, Hollywood, Calif. Filed Nov. 1, 1923. Serial No. 7,642. Term of patent 3½ years.



The ornamental design for an electric heater front, as shown.

66,079. TEXTILE FABRIC. HAROLD B. FELDMAN, New York, N. Y., assignor to Arden Mills, Inc., New York, N. Y., a Corporation of New York. Filed July 10, 1923. Serial No. 6,745. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

66,080. LEAF FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 13, 1922. Serial No. 1,731. Term of patent 3½ years.



The ornamental design for a leaf for lighting fixtures as shown.

66,081. LAMP. ARCHIBALD B. HEATH, Lynbrook, N. Y. Filed Aug. 21, 1924. Serial No. 10,513. Term of patent 14 years.



The ornamental design for a lamp, as shown.

66,082. GLASS TUMBLER. DAVID KING IRWIN, Short Hills, N. J., assignor to Economy Glass Company, Morgantown, W. Va., a Corporation of West Virginia. Filed Oct. 1, 1924. Serial No. 10,933. Term of patent 14 years.



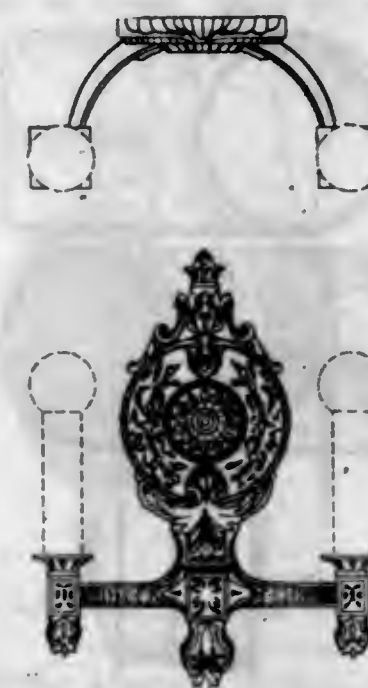
The ornamental design for a glass tumbler, substantially as shown.

66,083. BATHING SLIPPER. JOHN T. JOHNSON, Akron, Ohio, assignor to The American Rubber and Tire Company, Akron, Ohio, a Corporation of Ohio. Filed May 23, 1923. Serial No. 6,258. Term of patent 3½ years.



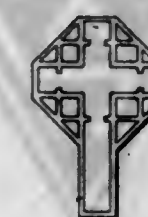
The ornamental design for a bathing slipper, as shown.
328 O. G.—55

66,084. WALL BRACKET FOR LIGHTING FIXTURES. DAVID KAPLAN, Brooklyn, N. Y. Filed Aug. 22, 1924. Serial No. 10,520. Term of patent 3½ years.



The ornamental design for a wall bracket for lighting fixtures, as shown.

66,085. PIN OR SIMILAR ARTICLE. WALTER LLOYD LAUMANN, St. Louis, Mo., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 9, 1924. Serial No. 8,285. Term of patent 3½ years.



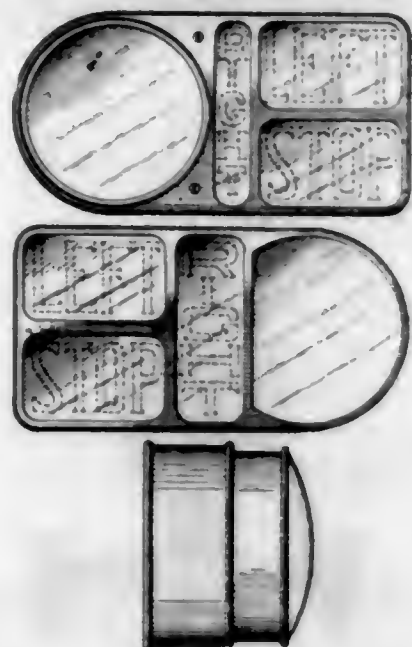
The ornamental design for a pin or similar article as shown.

66,086. COMBINATION AUTOMOBILE LIGHT. THOMAS LONER, Oakland, Calif. Filed Mar. 19, 1923. Serial No. 5,535. Term of patent 14 years.



The ornamental design for a combination automobile light, as shown.

66,087. COMBINATION AUTOMOBILE LIGHT. THOMAS LONET, Oakland, Calif. Filed Mar. 19, 1923. Serial No. 5,538. Term of patent 14 years.



The ornamental design for a combination automobile light, as shown.

66,088. BADGE OR SIMILAR ARTICLE. LESLIE B. LOVERING, Dayton, Ohio. Filed Oct. 8, 1923. Serial No. 7,431. Term of patent 7 years.



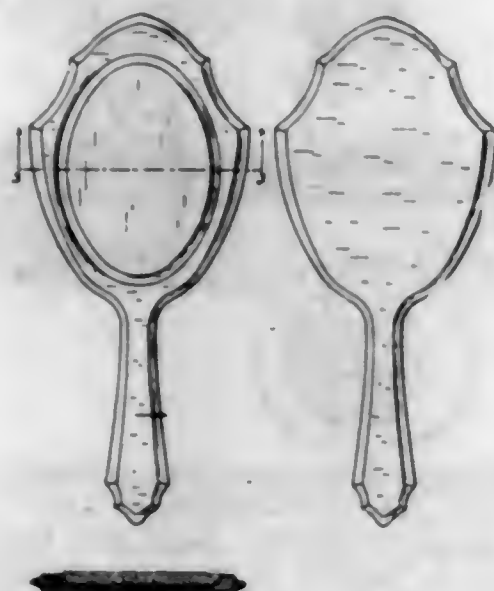
The ornamental design for a badge or similar article substantially as shown and described.

66,089. DOLL. EDWARD J. LUPTON, Cleveland, Ohio. Filed Nov. 27, 1922. Serial No. 4,424. Term of patent 3 1/2 years.



The ornamental design for a doll as shown.

66,090. HAND MIRROR. LEO MARDER, Brooklyn, N. Y. Filed Mar. 31, 1922. Serial No. 1,472. Term of patent 3 1/2 years.



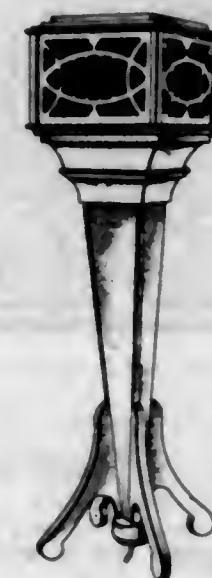
The ornamental design for a hand mirror, as shown.

66,091. CANDLE. HAROLD PETERSON, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Jan. 7, 1924. Serial No. 8,272. Term of patent 14 years.



The ornamental design for a candle as shown.

66,092. SOUND AMPLIFIER. ALBERT O. PRICE, Co-shocton, Ohio. Filed Aug. 19, 1924. Serial No. 10,497. Term of patent 3 1/2 years.



The ornamental design for a sound amplifier as shown.

66,093. CABINET FOR RADIO RECEIVING APPARATUS. EDWIN S. PRIDHAM and PETER L. JENSEN, Oakland, Calif., assignors to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Sept. 17, 1924. Serial No. 10,798. Term of patent 14 years.



The ornamental design for a cabinet for radio receiving apparatus, substantially as shown.

66,094. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed Sept. 25, 1924. Serial No. 10,900. Term of patent 14 years.



The ornamental design for a mesh bag as shown.

66,095. BOTTLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Helsey & Co., Newark, Ohio. Filed Aug. 3, 1920. Serial No. 401,060. Term of patent 3 1/2 years.



The ornamental design for a bottle, substantially as shown.

66,096. ICE-CREAM CONE. BENJAMIN SMITH, Chelsea, Mass., assignor to Benjamin Smith and Benjamin Lichter, Partners, doing business as Old South Cone Company, Chelsea, Mass. Filed Sept. 25, 1924. Serial No. 10,902. Term of patent 14 years.



The original design for an ice cream cone as shown.

66,097. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed July 24, 1923. Serial No. 6,848. Term of patent $3\frac{1}{2}$ years.



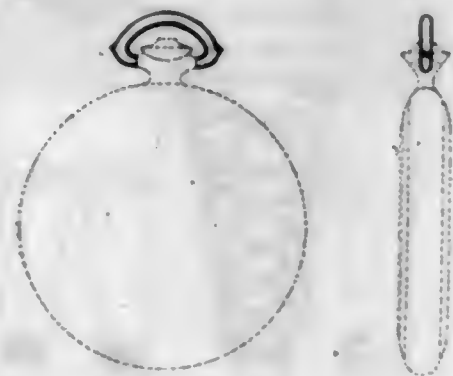
The ornamental design for a finger ring or similar article of manufacture substantially as shown.

66,098. BATHING SLIPPER. ROBERT R. STULL, Akron, Ohio, assignor to The American Rubber and Tire Company, Akron, Ohio, a Corporation of Ohio. Filed May 23, 1923. Serial No. 6,257. Term of patent $3\frac{1}{2}$ years.



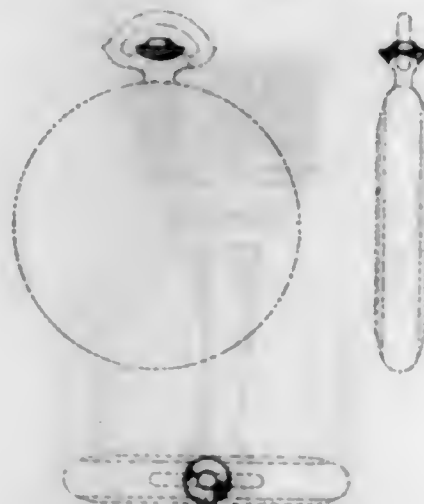
The ornamental design for a bathing slipper, as shown.

66,099. WATCHCASE BOW. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Kentucky, a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,573. Term of patent 14 years.



The ornamental design for a watchcase bow, substantially as shown.

66,100. WATCHCASE CROWN. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,574. Term of patent 14 years.



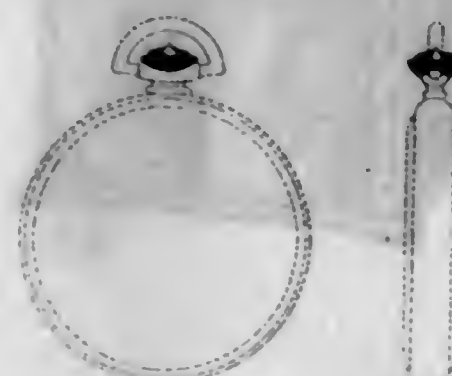
The ornamental design for a watchcase crown, substantially as shown.

66,101. WATCHCASE BOW. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,576. Term of patent 14 years.



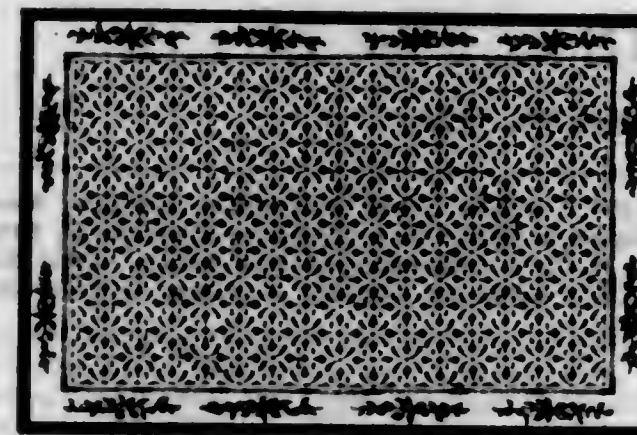
The ornamental design for a watchcase bow, substantially as shown.

66,102. WATCHCASE CROWN. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,577. Term of patent 14 years.



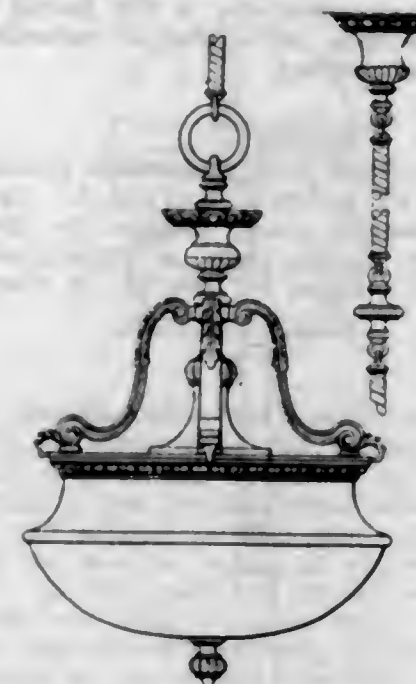
The ornamental design for a watchcase crown, substantially as shown.

66,103. RUG. ALGERMONT H. WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 9, 1924. Serial No. 10,432. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a rug, as shown.

66,104. LIGHTING FIXTURE. HERBERT S. WHITING, Haworth, N. J. Filed July 29, 1924. Serial No. 10,309. Term of patent 7 years.



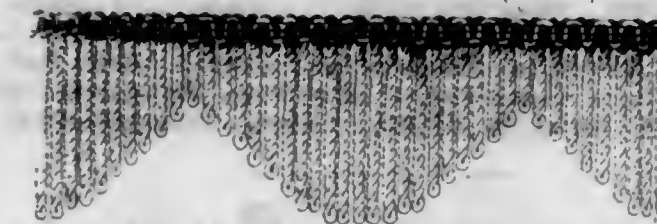
The ornamental design for a lighting fixture as shown.

66,105. FINGER RING. FRANCIS H. WITTSTEIN, Newark, N. J. Filed July 3, 1923. Serial No. 6,661. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a finger ring, as shown.

66,106. SCALLOP BULLION FRINGE. JOHN WOTOCEK, Chicago, Ill., assignor to E. L. Mansure Company, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1924. Serial No. 9,670. Term of patent 7 years.

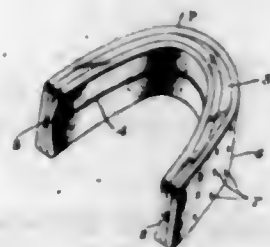


The ornamental design for scallop bullion fringe as shown.

PATENTS

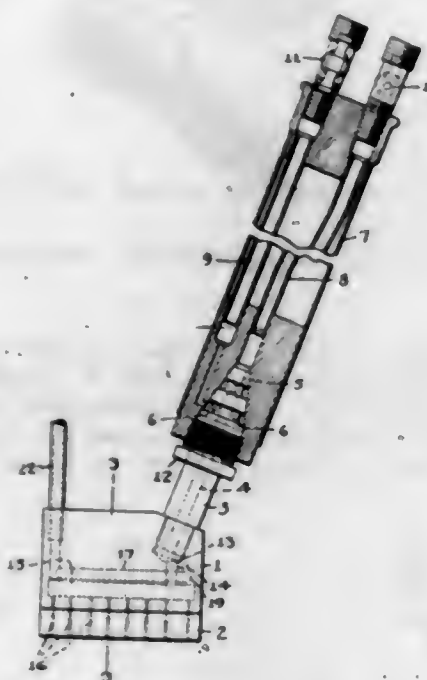
GRANTED NOVEMBER 25, 1924.

1,516,485. LAST CLASP FOR LASTING MACHINES AND METHOD OF MAKING IT. CHARLES F. ADAMS, Swampscott, Mass., assignor to Hamel Shoe Machinery Company, a Corporation of Massachusetts. Filed Oct. 29, 1919. Serial No. 334,163. 19 Claims. (Cl. 12-14.)



1. In a lasting machine, the combination of a flexible member constructed and arranged to conform to the shape of the end of a shoe, a shoe engaging pad and means for securing said pad to said flexible member, said means comprising a resilient element arranged lengthwise of said pad.

1,516,486. WELDING TORCH. JAMES L. ANDERSON, Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1919. Serial No. 317,282. 7 Claims. (Cl. 158-27.4.)



1. A machine welding torch for progressively fusing together the edges of seams, having means for forming the mixture of the oxygen and combustible gas, and characterized by a tip for delivering the mixture having preheating and welding jet passages disposed in longitudinally extending transversely spread grouping so as to bring the edges of the seam being welded to fusion by the heat from successive jets applied back from the edges at opposite sides of the seam.

846

1,516,487. HEEL. FRED ASHWORTH, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 3, 1922. Serial No. 598,860. 3 Claims. (Cl. 36-34.)



1. A heel blank comprising a lift having its edge split and spread open, and a piece of material inserted in the space thus provided.

1,516,488. MACHINE FOR TREATING RUBBER AND OTHER HEAVY PLASTIC MATERIAL. FERNLEY H. BANBURY, Ansonia, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation. Filed Feb. 23, 1922. Serial No. 538,741. 5 Claims. (Cl. 18-2.)



1. In a machine of the class specified, the combination with a casing having a charging-opening in its top, of a rotor located in the said casing below the said opening, a closure for the said opening, and a latch for holding, with freedom for limited localized movement, the said closure in position to close the said opening.

1,516,489. ROPE AND STRAP FASTENER. EDWARD D. BARTON, Canon City, Colo. Filed May 26, 1924. Serial No. 715,904. 4 Claims. (Cl. 24-263.)

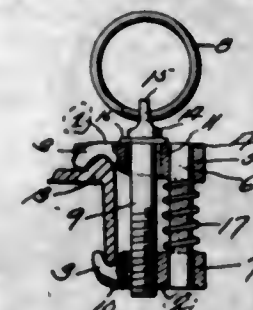
1. A device of the character described comprising a jaw, a guide pin rigidly secured to the outer end of said jaw and disposed at substantially a right angle thereto, a second jaw cooperating with the first mentioned jaw, said guide pin being slidably mounted in an

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U. S. PATENT OFFICE.

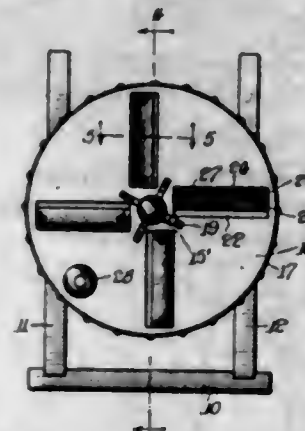
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aperture at the outer end of the second jaw, a bolt threaded in the second mentioned jaw and in parallel relation to the guide pin, said bolt extending through a longitudinally elongated aperture in the first men-



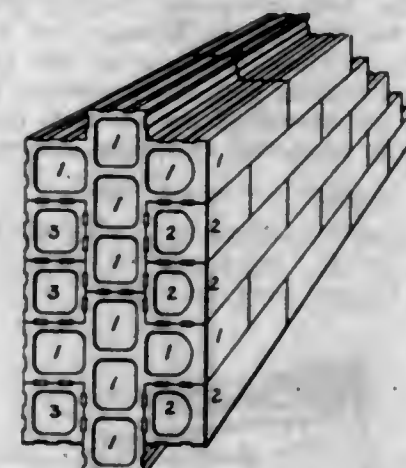
tioned jaw, a head carried by said bolt and cooperating with the outer side of the first mentioned jaw and a spring surrounding the guide pin and interposed between said jaws.

1,516,490. VEGETABLE CUTTER. WILLIAM E. BERNHARDT, Chicago, Ill. Filed Nov. 7, 1921. Serial No. 513,352. 1 Claim. (Cl. 146-114.)



In a vegetable cutter, the combination of a pair of side walls, a substantially flat bottom wall to which the lower ends of the side walls are connected and which forms a base for the cutter, cross-bars extending between and secured to said side walls, an inclined shelf for the material to be cut disposed between and secured to the side walls and forming with the portions of the side wall above it a guide chute for the material, the lower edge of said shelf being adapted to engage and be supported by one of said cross-bars, a disc provided with cutters adjacent one end of the side walls and the inclined wall, and a shaft to which the disc is secured rotatably mounted and carried by said cross-bars.

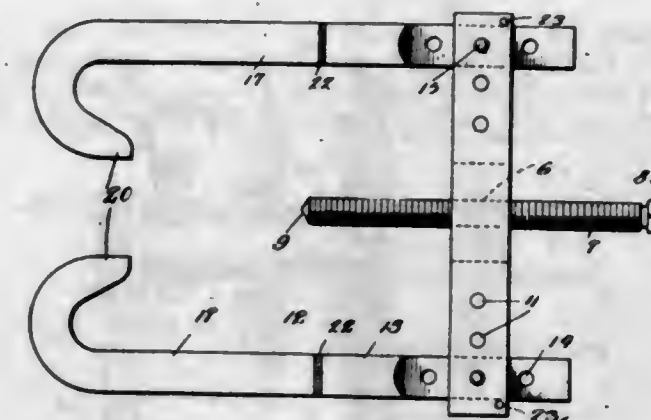
1,516,491. HOLLOW-TILE BUILDING BLOCK. DAVID R. BONE, Oglesby, Tex. Filed Dec. 30, 1922. Serial No. 610,048. 3 Claims. (Cl. 72-41.)



1. The cruciform building block of which the upright middle part is substantially three times as high as its lateral width and is formed with lateral extensions which

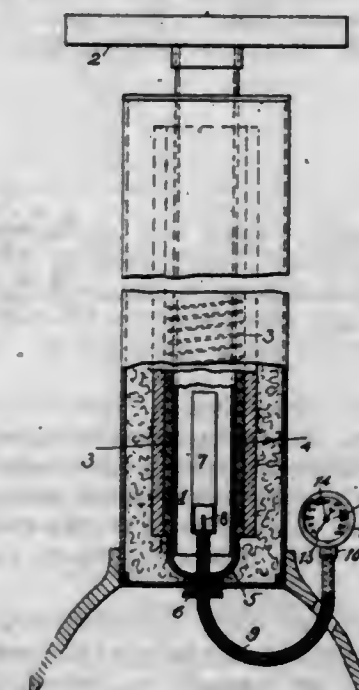
are horizontally opposite to one another and are substantially equal in height and lateral extent to the lateral width of the said middle part, said middle part extending above the lateral extensions about one-half the distance of its lateral extent, said middle part extending below said lateral extensions about one and one-half times the distance of its lateral extent, substantially as shown, for the purpose specified.

1,516,492. WHEEL PULLER. SAMUEL CHINN, Oxnard, Calif. Filed July 17, 1923. Serial No. 652,045. 2 Claims. (Cl. 29-85.)



1. In a wheel puller or the like, a pulling arm including an inner arm section having one end formed for connection with a thrust screw carrying cross-head and having its other end provided with an interiorly threaded socket, an outer pulling arm work engaging section having its inner end reduced to provide a neck with a head upon the free inner end portion thereof adapted for revoluble fit within said socket, and a split bushing threaded in the socket and surrounding the neck forwardly of the head for detachably retaining the outer arm section connected to the inner arm section for free turning movement relative to the latter.

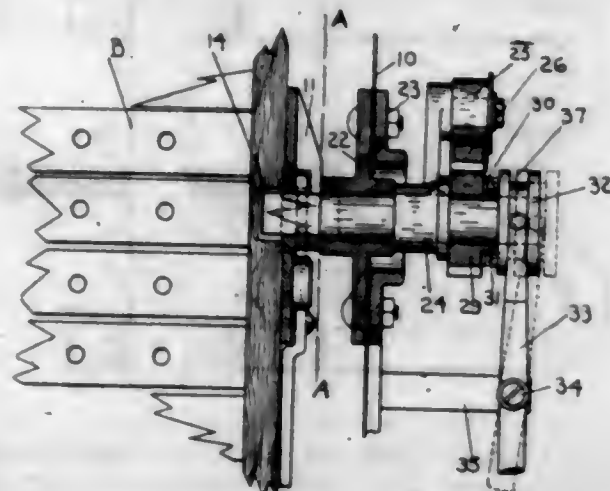
1,516,493. CONTROLLING DEVICE. WARREN F. CLARK, Cleveland, Ohio, assignor, by mesne assignments, to Automatic Electric Heater Company, Warren, Pa., a Corporation of Delaware. Filed June 7, 1919. Serial No. 302,401. 4 Claims. (Cl. 219-38.)



1. In a device of the character described, a closed receptacle, a fluid contained therein, a Bourdon tube,

means connecting the Bourdon tube with the interior of the receptacle, a pair of contacts normally having a fixed position with respect to each other and one of which is resiliently mounted, means carried by the Bourdon tube for moving one of said contacts with respect to the other.

1,516,494. CLUTCH MECHANISM. HARRY J. CRINER, Bloomington, Ill., assignor to Meadows Mfg. Co., Bloomington, Ill. Filed July 20, 1921. Serial No. 486,159. 1 Claim. (Cl. 192-67.)



The combination in a power washing machine having a stationary tub and a removable receptacle therein, of a supporting bracket on said receptacle fashioned to permit removability of the receptacle from the stationary tub, a horizontally disposed shaft adapted to engage the supporting bracket, mechanism for transmitting power to said shaft including a gear and rack, a clutch member keyed to the outer end of said shaft, and a pivoted lever for imparting to the horizontal shaft a slight axial movement, permitting its partial withdrawal from the bracket, said axial movement at the same time, throwing the clutch member to an unclutched position with relation to the gear.

1,516,495. RAIL STOP. HARRY A. JONES and EDWARD W. STRUVE, Parsons, Kans. Filed Jan. 20, 1920. Serial No. 352,658. Renewed Oct. 14, 1924. 5 Claims. (Cl. 29-69.)

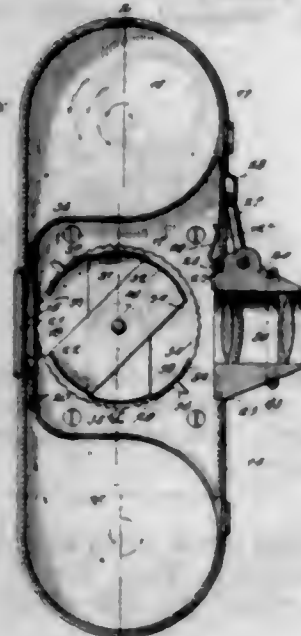


1. A work stop or gage adapted to be applied to a work table, the same comprising a lug at one edge of the table, and a latch plate at the opposite edge of the table, and a block pivoted at one edge to the lug and adapted to have its opposite edge engage the latch plate.

1,516,496. MOTION-PICTURE APPARATUS AND CAMERA. FREEMAN H. OWENS, New York, N. Y. Filed Apr. 29, 1921. Serial No. 465,405. 4 Claims. (Cl. 38-17.)

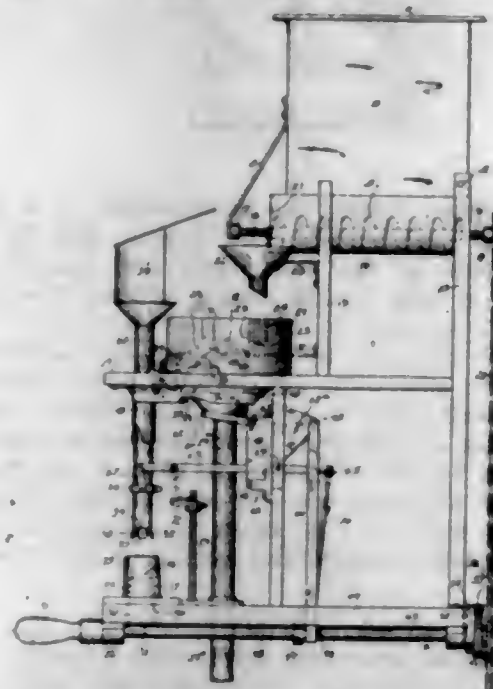
4. In an apparatus of the class described, a receptacle having a lens, one wall of the receptacle having an aper-

ture therein, a combined sprocket and shutter operating between the aperture and said lens, and means co-



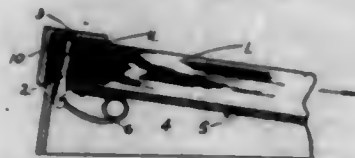
acting with said combined shutter and sprocket for arresting movement of a film across said aperture.

1,516,497. TEA-BALLING MACHINE. JOHN PIERCE, Southbury, Conn. Filed Dec. 1, 1922. Serial No. 604,242. 12 Claims. (Cl. 93-3.)



1. A tea-balling machine, having a die, a hollow plunger therefor, and means for feeding predetermined quantities of tea through the plunger into a gauze bag formed by the previous entrance of the plunger into the die, the bag-forming end of the plunger being flared to prevent the withdrawal of the tea from the gauze bag at the time of its retraction therefrom and from the die.

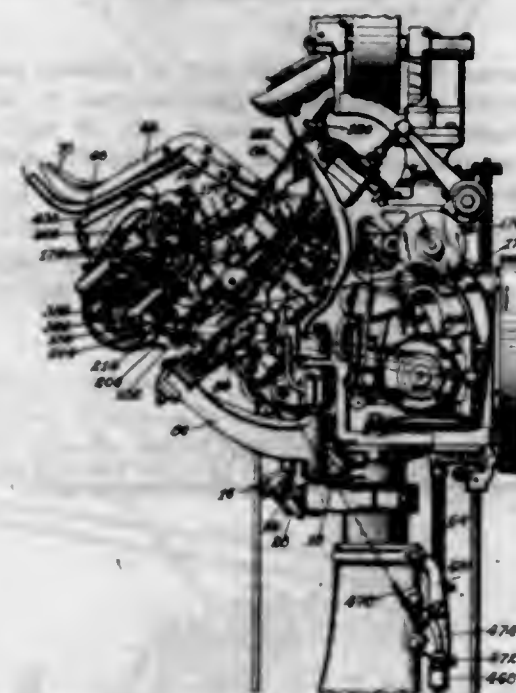
1,516,498. DESK CALENDAR. JESSE L. PILKINGTON, Glen Rock, N. J. Filed Apr. 8, 1924. Serial No. 704,921. 5 Claims. (Cl. 40-120.)



5. A device of the class described, comprising, in combination, a base, a follower movable toward and from said base and carrying a pair of studs guided in the base,

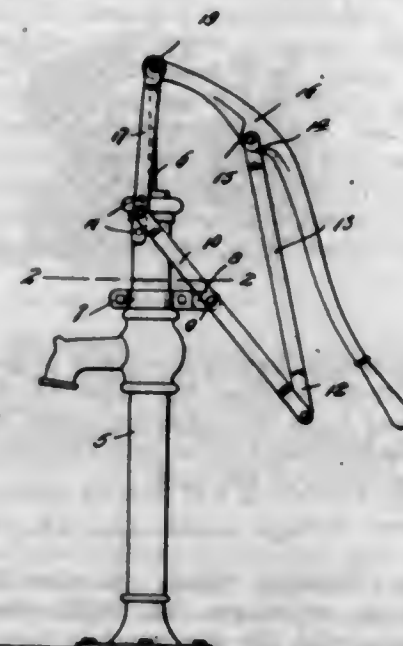
means for urging the follower toward the base, a plurality of perforated sheets impaled on said studs between the base and follower, each of said studs being provided with an annular groove adjacent to its connection with the follower and said follower having a depression formed therein in intersecting relation with each of said studs thereby to permit ready removal of the uppermost sheet while retaining the remaining sheets in position.

1,516,499. MACHINE FOR USE IN THE LASTING OF BOOTS AND SHOES. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 6, 1920. Serial No. 363,827. 203 Claims. (Cl. 12-4.)



1. In a machine of the class described, the combination with means for applying a binder round the end of a shoe to hold the upper in lasted position, of means for forming a binder and for transferring the binder thus formed into position to be applied to a shoe by said binder applying means.

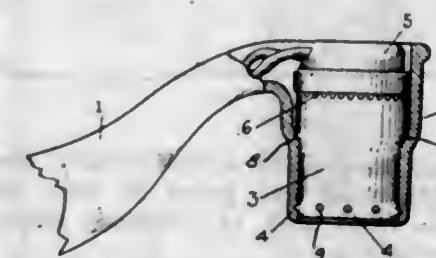
1,516,500. OPERATING MECHANISM FOR HAND PUMPS. JACOB RICHARDS, JR., La Farge, Wis. Filed Mar. 27, 1923. Serial No. 628,031. 2 Claims. (Cl. 74-14.)



1. A pump attachment including a pair of co-operating bracket members having means for securing said members to a pump casing, said members being formed with ex-

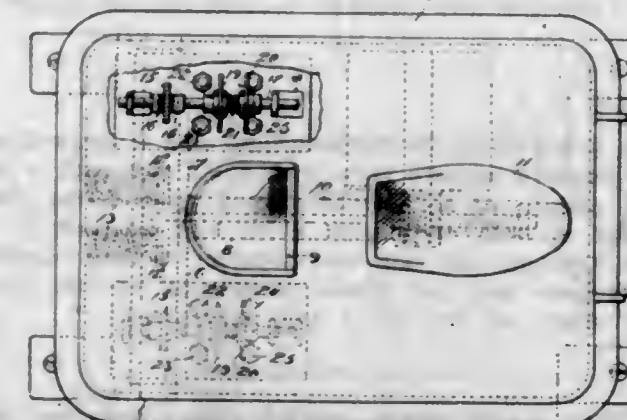
tensions, lever members pivotally mounted on said extensions intermediate the ends thereof, the pump having a pump rod and an operating handle pivotally connected at one end thereto, adjustable link connections between one end of said lever and the pivotal connection between the handle and the pump rod, and a link connection between the intermediate portion of the handle and the other end of said levers, whereby the leverage between the pump operating handle and the pump rod will be increased and the relation of the handle to the pump rod and the lever may be changed by adjustment of the first mentioned link connection.

1,516,501. LIGHTING FIXTURE. JOHN K. RIDDLE, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 17, 1923. Serial No. 681,214. 2 Claims. (Cl. 240-73.)



1. As an article of manufacture a fixture arm having an open ended shell, a shoulder within the shell, a light socket within the shell, said socket having a shoulder between its ends resting on the first mentioned shoulder, and lugs on the socket shell pressed into the open ended shell for securing the parts together.

1,516,502. HEEL AND TOE CONTROL OF VEHICLES. HAROLD ROWNTREE, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Mar. 25, 1922. Serial No. 546,845. 34 Claims. (Cl. 180-82.)



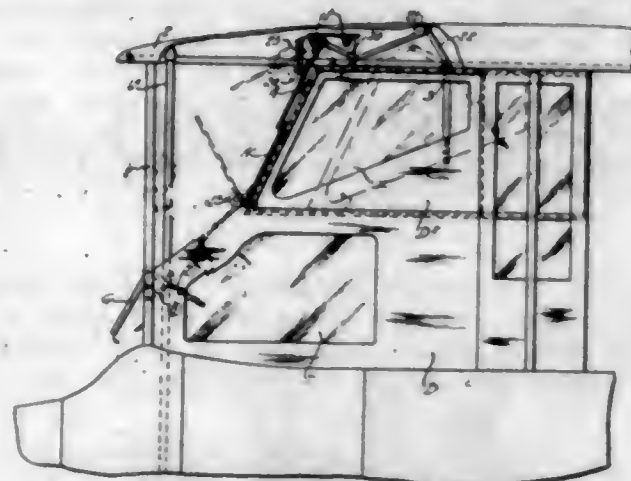
1. In a car control, heel and toe levers separately operable relative to each other, operating devices controlled thereby, and means controlled by the relative position of said heel and toe levers with respect to each other for selectively determining which of said devices are operated.

27. In a car control, a depressible toe lever, two circuits controlled thereby, a propelling motor mechanism and a door motor respectively controlled by said circuits, a brake operating mechanism, and means for also controlling the same by said lever.

1,516,503. WINDSHIELD FOR VEHICLES. EDWARD W. SAUNDERS, St. Louis, Mo. Filed Mar. 9, 1923. Serial No. 623,945. 7 Claims. (Cl. 296-84.)

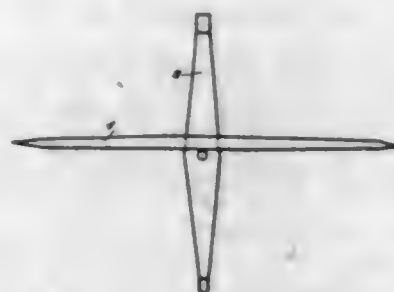
1. A wind shield for vehicles, comprising a plurality of independently-adjustable, transparent, non-frangible panels arranged in front of the occupants of the front seat of the vehicle in proximity to their faces, guards

projecting forwardly from the lower edges of said panels towards the cowl of the vehicle for intercepting pieces of broken glass or other objects that are thrown over



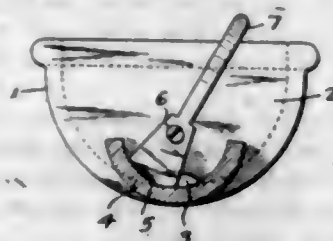
said cowl, and means for simultaneously changing the position of the panel and guard in front of the passenger of the front seat to facilitate entrance to or exit from the vehicle.

1,516,504. SCREW DRIVER. MATTHÄUS SCHLAGER, Linz, Austria. Filed Sept. 6, 1923. Serial No. 661,312. 1 Claim. (Cl. 145-50.)



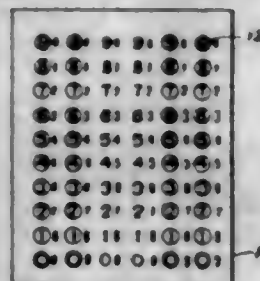
In a screw-driver the combination with a screw-driver blade provided at both ends with a bit and with a slot in the middle, of a rhomboid-shaped screw-driver blade provided at both ends with a bit and adapted to be passed through the said slot whereby a firm cooperation between the two blades is effected by the rhomboidal shape of the blade last mentioned.

1,516,505. HAND SEED SOWER. MAX SCHLING, New York, N. Y. Filed Apr. 16, 1924. Serial No. 706,984. 1 Claim. (Cl. 221-119.)



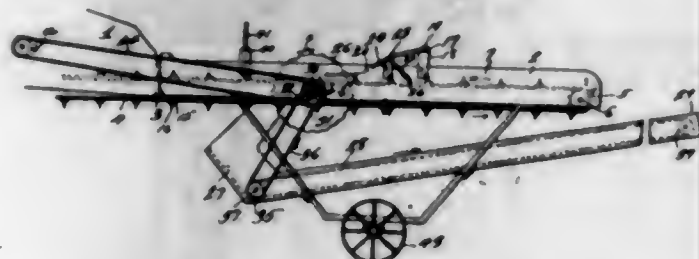
A seed-sower adapted to be held in the hand having a seed-chamber provided with a front seed-opening which is laterally tapered, a seed-guiding and -placing trough projecting forward from said seed-chamber and seed-opening, and a regulating shutter pivoted to the front of the seed-chamber above the seed-opening so as to be movable laterally over the seed-opening to graduate the exit and having an upwardly extending finger portion.

1,516,506. PROCESS OF APPLYING CELLULOID TO PAINTED SURFACES. EDWARD SCHULTZ, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed July 26, 1921. Serial No. 487,777. 7 Claims. (Cl. 41-21.)



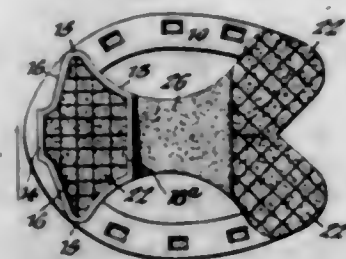
1. A process of applying celluloid to painted surfaces, which consists in applying a paint-solvent to celluloid sheets, pressing the solvent coated side of said sheets upon the painted surface and subjecting the assembled parts to pressure.

1,516,507. BUTT CUTTER. FREDERICK J. SENG, De Witt, Ark. Filed Mar. 7, 1924. Serial No. 697,519. 4 Claims. (Cl. 146-81.)



3. The combination with a separator of a threshing machine, of a feeding and butt severing mechanism, said feeding and butt severing mechanism comprising means whereby sheaves are moved forwardly in transverse position compressed and severed, then slued so that the sheaves will enter the separator head first.

1,516,508. CUSHIONED HORSESHOE. CORA M. SMITH, Buffalo, N. Y. Filed Sept. 2, 1922. Serial No. 585,982. 6 Claims. (Cl. 108-14.)

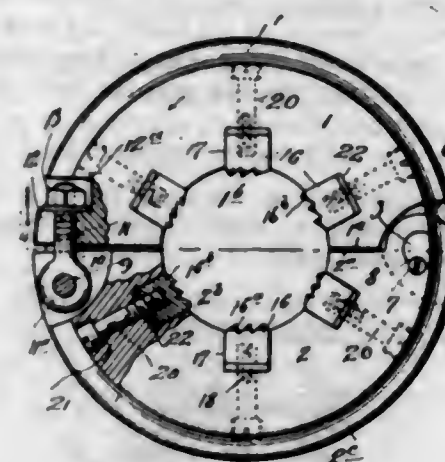


1. A horseshoe, having a bracket projecting rearwardly from its front portion, the sides of the bracket being disconnected from the opposing edges of the shoe, and a calk-member attached to said bracket and overlapping the side portions of the shoe.

1,516,509. TRUING TOOL. ROBERT G. SMITH, Irvington, N. J. Filed Jan. 13, 1922. Serial No. 528,929. 2 Claims. (Cl. 82-4.)

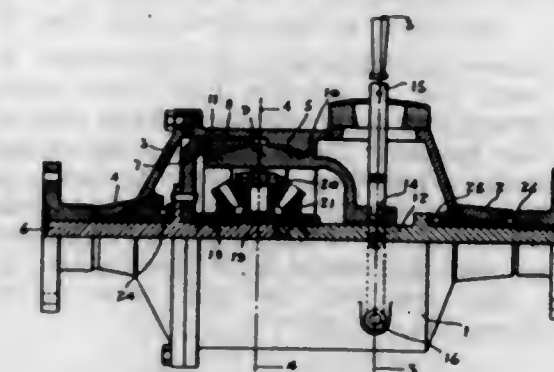
1. A truing tool comprising opposing members having an opening therein, said members having transverse recesses communicating with said opening, cutters detachably carried transversely by said members in said re-

cesses to project into said opening, means to detachably retain said cutters in said members, said members being movably connected on one side and provided with de-



tachable locking means on the other side, and screws on opposite sides of the locking means to cooperate with the members to adjust and retain said members in rigid set relation when held by the locking means.

1,516,510. CLUTCH. ALEXANDER STEWART, Johnstone, Scotland, assignor to Thomas Stewart, Toronto, Ontario, Canada. Filed Feb. 23, 1921. Serial No. 447,246. 1 Claim. (Cl. 74-34.)

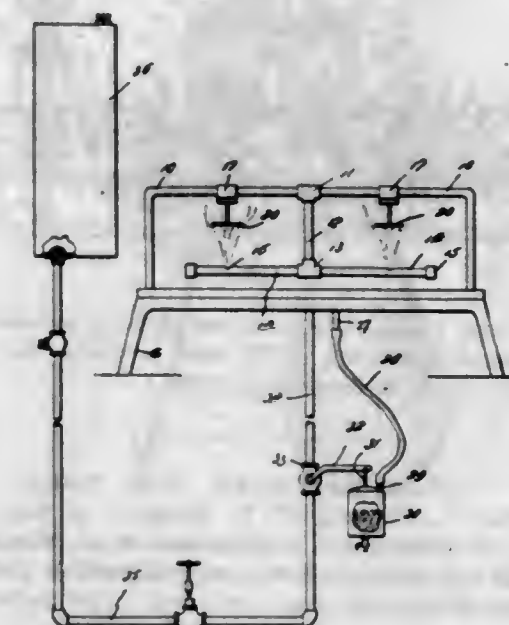


In a clutch, a cylindrical casing having bearings at the ends, driving and driven shafts journaled in said bearings and having their inner ends abutting, bevel gears mounted on said shafts, a spider rotatably mounted on one of said shafts between said gears and having a pair of diametrically arranged lugs projecting therefrom, pinions journaled on said spider arranged diametrically opposite and meshing with said bevel gears, a floating clutch member slidable on the driven shaft and having a rectangular recess enclosing said spider, the side walls of said recess having helical notches into which said spider lugs extend, a tapered clutch seat on said casing, a tapered clutch member on the driving shaft, and means for shifting the floating clutch member.

1,516,511. OIL BURNER. ADOLPH JOHN STRUCZEWSKI, Philadelphia, Pa. Filed Sept. 19, 1923. Serial No. 663,536. 1 Claim. (Cl. 158-63.)

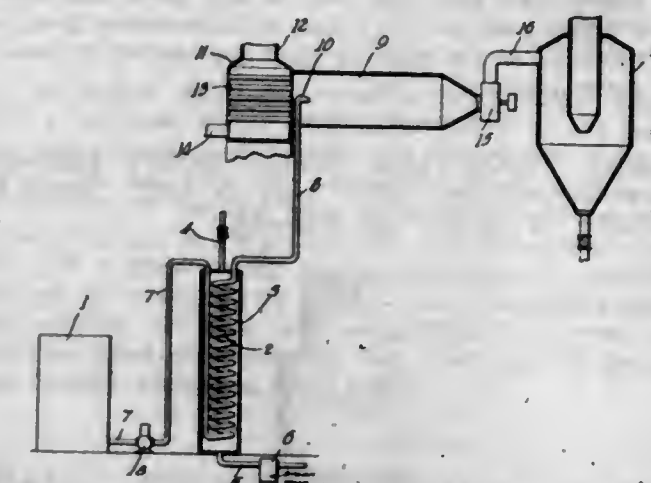
An oil burner comprising a tray, a priming cup formed upon the upper side of the bottom thereof, and extending longitudinally thereof and having its ends spaced from the ends of the tray, an oil conduit formed upon the under side of the bottom of the tray and extending longitudinally thereof, and being disposed beneath the priming cup, the said conduit communicating with the interior of the tray, and through the bottom thereof at points beyond the ends of the priming cup, a retort pipe having its ends communicating with the conduit and the ends thereof, said retort pipe having an intermediate section disposed above and parallel with the

priming cup, flame spreaders mounted upon the retort pipe, and interposed between the priming cup and intermediate portion of the retort pipe, a pipe extending from the intermediate portion of the retort pipe and having branches disposed parallel with the priming cup,



and provided with outlet openings located below the flame spreader and spaced therefrom, means for admitting the oil into the intermediate portion of the conduit from below, and a drain outlet located in the bottom wall of the tray beyond the side of the priming cup.

1,516,512. MANUFACTURE OF PRODUCTS FROM STARCH. RICHARD W. G. STUTZKE, Cedar Rapids, Iowa, assignor to Douglas Company, Cedar Rapids, Iowa, a Corporation of Delaware. Filed Nov. 8, 1918. Serial No. 261,751. 7 Claims. (Cl. 127-32.)

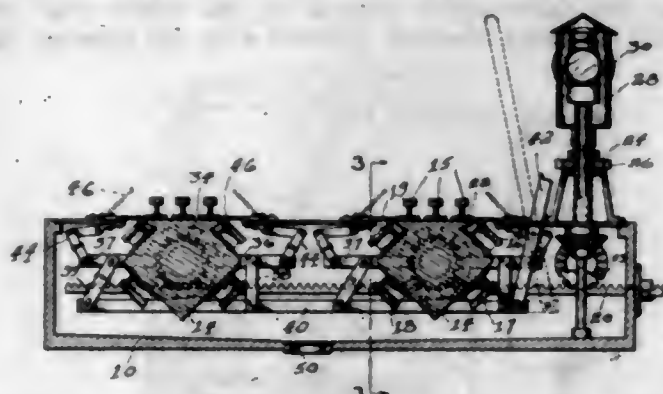


1. The method of modifying starch which consists in forcing a stream of starch mixed with an aqueous liquid through a pipe coil and through a spraying orifice at the extremity thereof into a drying atmosphere, and maintaining a temperature around said coil and a pressure therein which modify the starch in the coil and before issuing therefrom.

1,516,513. RAILWAY SWITCH. JOHN C. TAPPE, Louisville, Ky. Filed June 4, 1924. Serial No. 717,822. 4 Claims. (Cl. 246-431.)

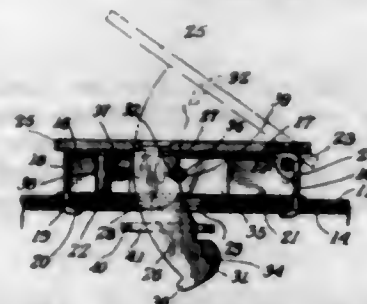
1. A railway switch, including a rotatable drum, a plurality of switching rails mounted thereon, and a

plurality of tracks converging to the point of location of said drum, means for shifting the said drum to any one of a number of desired switching positions, notches in



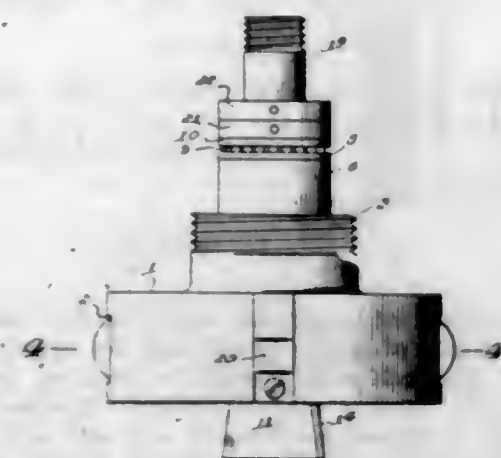
the drums and locking elements comprising manually operated pins co-operating with said notches for maintaining said drum in desired position.

1,516,514. LATCH FASTENER FOR BAGS. HUGO TUECKMANTEL, Newark, N. J., assignor to The T & L Co. Inc., Newark, N. J., a Corporation of New Jersey. Filed Apr. 5, 1923. Serial No. 629,998. 6 Claims. (Cl. 292-297.)



1. A bag frame fastener comprising a casing fixed on one of the frame members, a keeper on the other member, a level cover plate hinged at one end to said casing, a bar operable transversely through said casing engageable in said keeper, said bar being fixed in said plate, and means for retaining said bar in either of its extreme positions said retaining means yielding upon application of force to said cover plate.

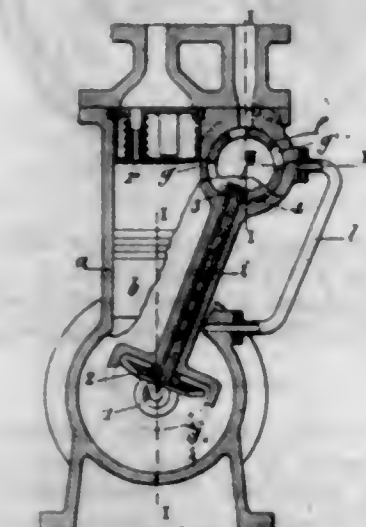
1,516,515. WELL-TUBE TOOL. LONDON BATCHLOR, Lawrenceburg, Ind. Filed Sept. 29, 1922. Serial No. 591,372. 2 Claims. (Cl. 294-94.)



1. In a well tube, a body which is round in plan having a central bore and diagonally opposed lateral openings communicating with the bore, a hub on the outer face of the body having a bore in a line with the bore of the body, blocks slidable through openings formed in the body and having their outer ends provided with well tube engaging elements, each of said blocks having its inner end provided with a bayonet slot arranged at an

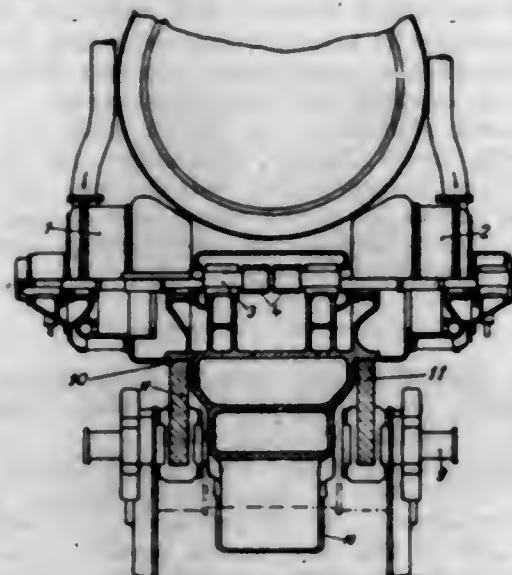
inclination, a flat wedge mounted for slidable movement in the bore and having angle shaped edges disposed in opposite directions and received in the slots of the blocks, said wedge having a threaded stem projecting through the hub of the body, a tubular extension on the hub, an operating rod having a bore at its lower end which threadedly receives the stem of the wedge, and an antifrictional bearing means between the rod and the said tubular extension.

1,516,516. COMPRESSOR. RAOUL BERNAT, Bordeaux, France. Filed July 5, 1923. Serial No. 649,742. 3 Claims. (Cl. 230-34.)



1. A compressor, comprising, in combination, a cylinder, a crank case, a rotatable inlet sleeve positioned to the side of, and perpendicular to, the axis of the cylinder, inlet ports in the cylinder, an outlet valve in the end of the cylinder, an oiling device having means for regulating the quantity of oil introduced into the compressor, means for conducting the introduced oil to the crank case, and means for conducting the oil back from the crank case into the inlet ports, across the sleeve, and into the cylinder.

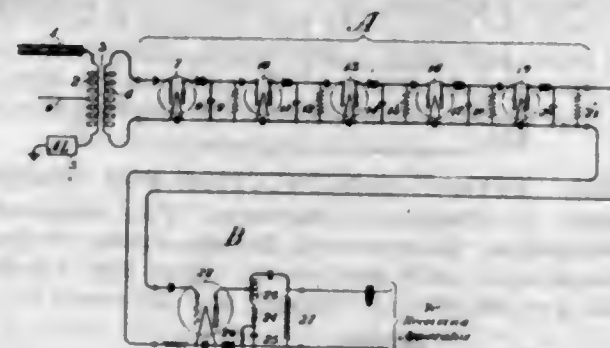
1,516,517. STEAM-TURBINE-DRIVEN LOCOMOTIVE. HEINRICH BOLTSCHAUER, Zurich, Switzerland. Filed Sept. 6, 1922. Serial No. 586,551. 8 Claims. (Cl. 105-38.)



1. In a steam turbine driven locomotive, a turbine for the ahead running of the locomotive, a turbine for the astern running of the locomotive, a driving axle, a transmission gearing common to both turbines, arranged between said two turbines and adapted to transmit the driving power from the turbines to said driving axle, a

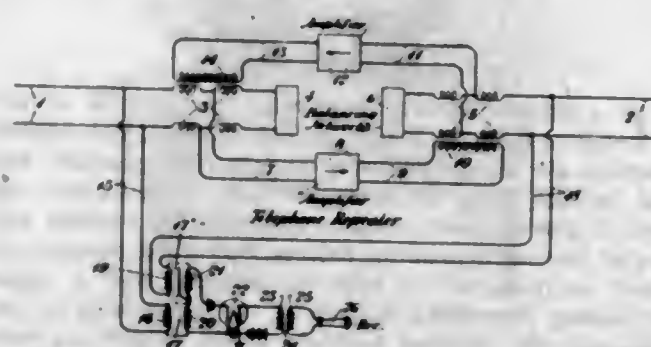
locomotive frame, and a casing enclosing said transmission gearing and serving to connect the two turbines together and at the same time to support the latter, said casing being fitted in an exchangeable manner to said locomotive frame.

1,516,518. SIGNALING SYSTEM. JOHN R. CARSON, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 7, 1920. Serial No. 394,509. 9 Claims. (Cl. 178-44.)



2. In a signaling system the combination with a submarine cable circuit having impressed thereon a wave comprising a signaling component and an interference component of a receiving circuit comprising a filter adapted to prevent the passage thereof of the interference component of the arrival wave, a distortion correction device adapted to restore the signaling component of the arrival wave substantially to its transmitted wave shape and receiving apparatus.

1,516,519. ELECTRICAL TRANSFORMER. GEORGE CRISSEN, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 14, 1923. Serial No. 680,727. 8 Claims. (Cl. 179-170.)

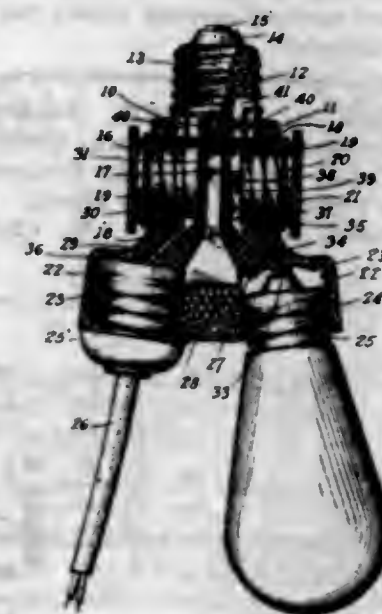


1. The combination with two transformers each having a primary and a secondary winding, of two input circuits each connected with a primary winding of a transformer, the secondary windings of both transformers being connected in series with the grid and filament of a vacuum tube, and a shield interposed between the primary and secondary windings of one transformer and connected with the midpoint between the said secondary windings.

1,516,520. PLURALLY-FUSED SOCKET HEAD. LOUIS CROSS, Brooklyn, N. Y. Filed Oct. 6, 1922. Serial No. 592,688. 2 Claims. (Cl. 200-115.5.)

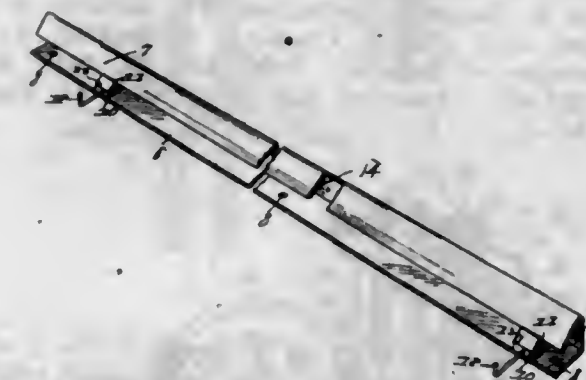
1. A multiple attachment plug comprising a chambered integral insulator having opposed lateral recesses in its body and sockets in its lower end, said sockets containing conducting linings, a conducting casing on the upper attaching end of said plug, a fuse removably engaged in each recess said fuses having one pole in electrical engagement with said casing, a contact fixed in the

attaching end of said plug, a conductor disposed in the chamber of said insulator, said conductor being engaged at its ends with the socket linings and at its center with



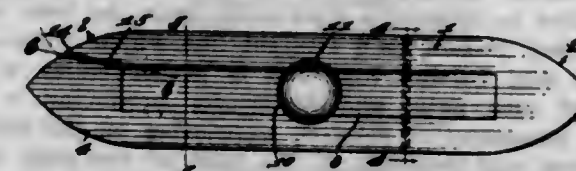
said contact, and independent conductors in said body extending between said sockets and recesses in electrical engagement with the other pole of said fuses.

1,516,521. MOLDING. ZENO W. DAY, Newark, N. J. Filed Oct. 29, 1921. Serial No. 511,372. 2 Claims. (Cl. 20-74.)



1. A hollow molding formed of sheet metal bent to form a flat base, a rear wall perpendicular to the base, a top wall extending forwardly and downwardly from the top of the rear wall and terminating above and in rear of the front of the base so as to leave an opening whereby material can be swept from the base through the opening, and a slide fitting in the molding and projecting through the opening and having a hook extending beyond the molding, the base having openings for screws, said openings being disposed near the front edge of the base and thereby accessible from above.

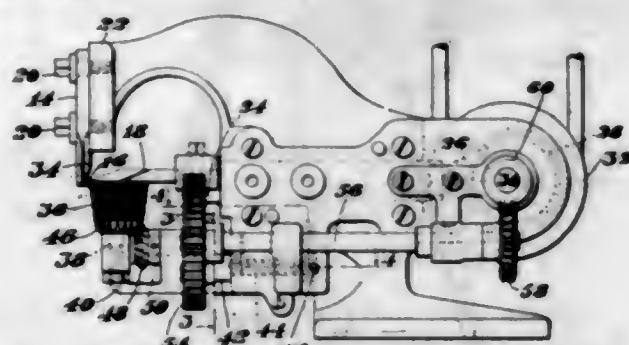
1,516,522. FISHING-LINE SHUTTLE OR REEL. FRANK E. FARR, Bronson, Mich. Filed July 31, 1922. Serial No. 578,747. 1 Claim. (Cl. 242-84.1.)



A fisher line reel having a chamber, and a movable closure for the chamber, the closure being located at one side of the reel, the closure and the other side of the reel having recesses, the dimensions of the reel being such, and the diameter and location of the recesses being such, that when the thumb and one finger of one

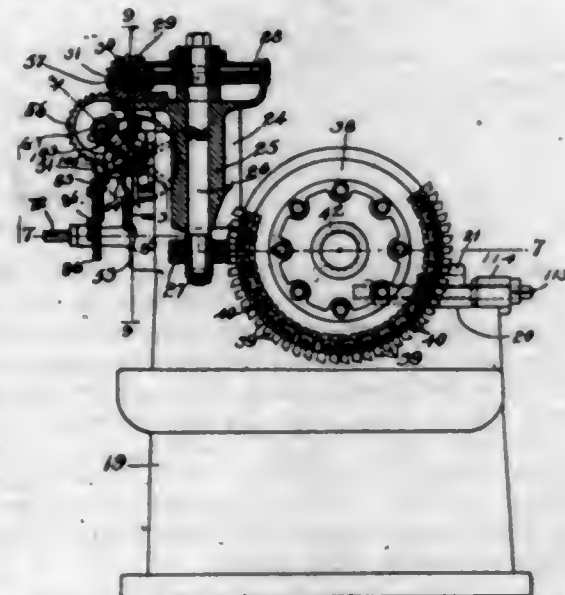
human hand are located in the respective recesses, the reel may be rotated freely about an axis represented by the thumb and finger, the location of one of the recesses in the closure enabling the thumb or finger of an operator to hold the closure against opening whilst the reel is being rotated as aforesaid.

1,516,523. TRIMMING MACHINE. JOSEPH FAUSSE, Brockton, and EVERETT W. McVICAR, Marlboro, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 13, 1920. Serial No. 395,943. 16 Claims. (Cl. 12-83.5.)



1. A machine of the character described comprising trimming mechanism including cooperative shearing members, and work-feeding mechanism including a driven roll arranged to engage the work, one of said shearing members being arranged to cooperate with said roll to maintain a continuous grip on the work.

1,516,524. GEAR GENERATING CUTTING MACHINE. EDWIN R. FELLOWS, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Aug. 29, 1918, Serial No. 251,902. Renewed Apr. 19, 1924. 43 Claims. (Cl. 90-3.)



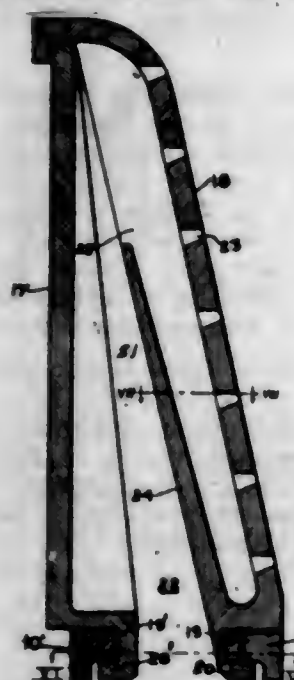
1. A gear generating cutting machine comprising a rotatable milling cutter having a cutting edge of which the cutting travel takes place around the axis of the cutter, in a plane perpendicular to such axis, a gear blank holder arranged and adapted with respect to said cutter to support a gear blank with the base cylinder thereof tangent to a straight line which crosses the path of said cutting edge and is perpendicular to the plane of such path, and means for producing a continuing movement of relative translation on the part of the cutter and rotation on the part of the gear blank which is equivalent to the resultant motion of a point on an inextensible line being wound upon or unwound from the circumference of a circle.

15. A gear generating and cutting machine comprising a rotatable holder for the gear to be cut, an index wheel on said holder for rotating the same, gearing for driving said index wheel, a translatively movable rotary

cutter, means for shifting said cutter in unison with the rotation of the gear while cutting, and back to starting position, and means for temporarily disconnecting the driving gearing of said index wheel in one of the return movements of the cutter, whereby to index the gear relatively to the cutter.

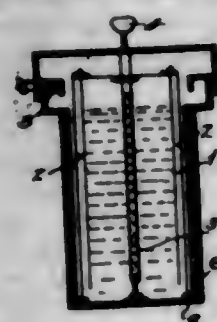
25. In a gear cutting and generating machine a milling cutter mounted for rotation and also for displacement, means for moving said cutter back and forth in said line and simultaneously rotating it through a complete rotation in the time of the cycle of its displacement movements, the cutter having a series of blades occupying a part of its periphery, the remainder of such periphery being blank, the ratio of the part occupied by said blades to the blank part being approximately equal to the ratio of the time of displacement of the cutter in one direction to the time of such displacement in the opposite direction.

1,516,525. TUYÈRE CONSTRUCTION FOR STOKERS. ROBERT A. FORESMAN, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1920. Serial No. 396,377. 4 Claims. (Cl. 110-44.)



1. In a stoker for furnaces, the combination of support members defining a furnace side-wall air box adapted to receive air under pressure and having opposed horizontal flanges with notched portions, a back-plate supported by the support member adjacent the furnace side-wall and having depending flanges extending beneath the notched portions of its support member, and a tuyere plate having depending flanges at its lower edge extending beneath the notched portions of its supporting member flange and having its upper side resting against the upper side of the back-plate.

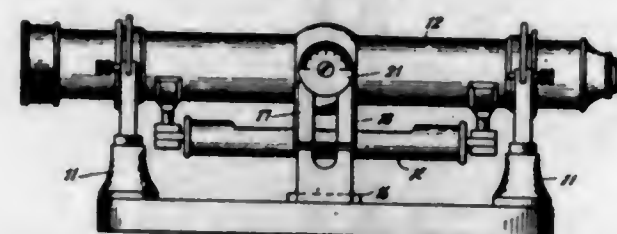
1,516,526. HYDRAULIC STARTER FOR ELECTRO-MOTORS AND THE LIKE. GEORG LUDWIG GANSS, Gross-Umstadt, Germany. Filed May 28, 1923. Serial No. 642,126. 30 Claims. (Cl. 219-57.)



1. A hydraulic starter comprising in combination a liquid receptacle serving as electrode, a bell serving as electrode and a second electrode on said bell which works

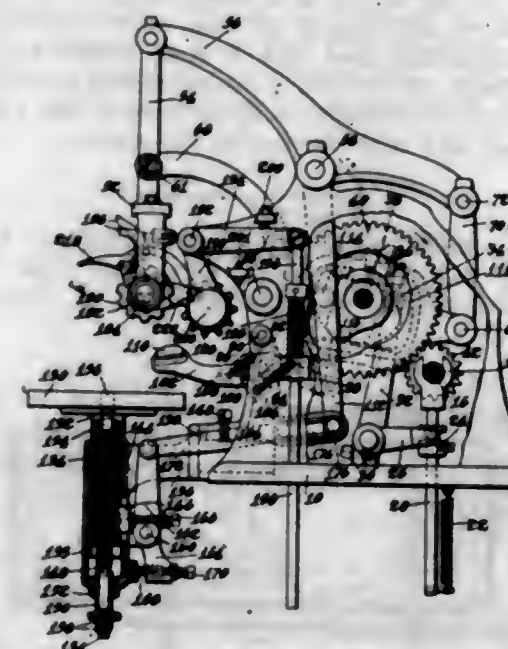
together with the bell for continuous or alternating current and for three-phase current together with the bell and liquid receptacle.

1,516,527. CONVERTIBLE LEVEL. JAMES GRIER, Troy, N. Y. Filed Apr. 18, 1922. Serial No. 555,146. 4 Claims. (Cl. 33-73.)



1. In a surveyor's instrument, a telescope having a pair of trunnions, mounting means for said telescope including a pair of ball-like keepers adapted to be swung over said trunnions, one of said trunnions being provided with an indicating scale and a pointer carried by the adjacent keeper adapted to cooperate with said scale.

1,516,528. MARKING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 26, 1920, Serial No. 399,017. Renewed June 14, 1923. 50 Claims. (Cl. 101-97.)

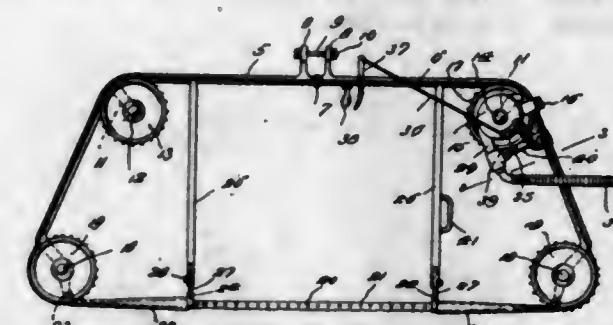


1. In a marking machine, a marker with a series of unlike characters, a half-size marker having a series of like characters, and means to advance both markers simultaneously or the half-size marker singly in the same direction.

1,516,529. PORTABLE HANDSAW. DUNCAN B. HALL, North New Portland, Me. Filed Jan. 18, 1924. Serial No. 687,026. 1 Claim. (Cl. 143-19.)

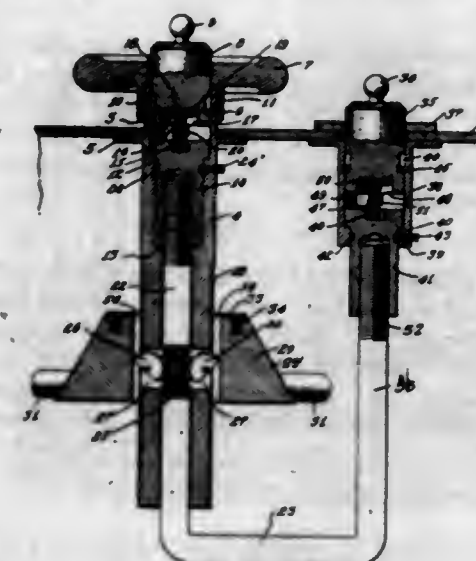
In a buck saw, a frame, having upper and lower sprocket wheels mounted at the ends thereof, power operated means for driving one of said sprocket wheels, an endless saw band passing around the sprocket wheels and having sprocket openings therein, guiding elements supported in spaced relation by and between the lower free ends of the same so reposing a portion of the saw band therebetween and for maintaining certain exposed portions of the saw band at right angle to the remaining portion thereof and in the plane of the frame, a normally applied brake lever for preventing movement

of the saw band, a controller for the power operated driving means normally rendering the latter inoperative, and means manually operable for simultaneously oper-



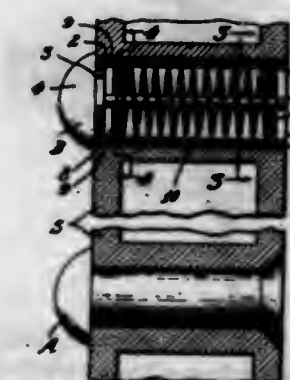
ating said controller and said brake lever to render the power operated driving means operable and to render the brake lever inoperative.

1,516,530. SAFE-DOOR-LOCKING MECHANISM. JOHN W. HALTEMAN and WILLIAM RYTER, Philadelphia, Pa. Filed Mar. 1, 1923. Serial No. 622,196. 7 Claims. (Cl. 109-3.)



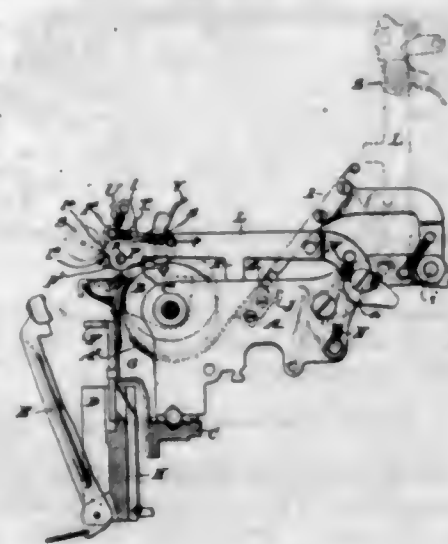
1. In a safe door locking mechanism, a rotatable spindle, radial sliding door bolts, bolt projecting and retracting means operable by said spindle, a lock bar within said spindle, means in said spindle for locking said bolt projecting and retracting means, and means on the safe door for unlocking said bolt projecting and retracting means.

1,516,531. SAFE. JOHN W. HALTEMAN and WILLIAM RYTER, Philadelphia, Pa. Filed Mar. 1, 1923. Serial No. 622,197. 4 Claims. (Cl. 109-1.)



1. A safe having an opening, a valve adapted to close said opening and provided with a head of greater diameter than said opening, a valve stem, means secured to said valve stem for restraining the valve against rotation but permitting longitudinal movement, and spring means normally retaining the valve in seated position.

1,516,532. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 15, 1924. Serial No. 706,738. 21 Claims. (Cl. 197-138.)



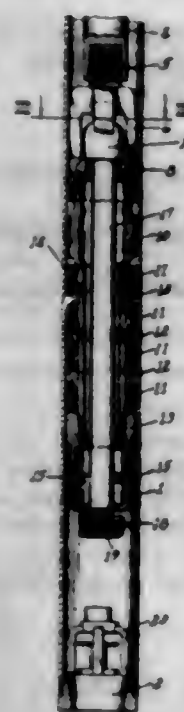
1. In a typewriting machine, the combination of a platen carriage, a frame having free front ends mounted therein to move rearwardly from operative position, and a roll carrying ball carried directly by the front ends of said frame and independently movable forwardly from operative position.

1,516,533. UPPER-PULLING MECHANISM. ERIC A. HOLMGREN, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Oct. 22, 1919, Serial No. 332,520. Divided and this application filed Mar. 18, 1922. Serial No. 544,915. 39 Claims. (Cl. 12-14.)



1. In mechanism of the class described, an upper pulling gripper comprising jaws relatively movable to grip an upper between them, and controlling means automatically operative through relative movement of said jaws in response to their pull on the upper to limit the force of the pull applied to the upper and then to maintain said force substantially constant during further relative pulling movement between the gripper and the shoe.

1,516,534. OIL-WELL-WORKING VALVE. ROLAND A. HUGHES, Cygnet, Ohio. Filed Mar. 5, 1924. Serial No. 697,061. 3 Claims. (Cl. 103-225.)



1. In a working valve, a cage, a sleeve connected to the cage, rings and cups located on the sleeve, a bottom connected to the sleeve, a member forming a valve seat and located in the cage, a movable valve member having a head fitting the seat and a stem extending through the sleeve and the bottom, a keying means for preventing separation of the bottom from the sleeve and separation of the rings and cups located on the sleeve.

1,516,535. MOLD FOR CONCRETE BURIAL VAULTS. CARL M. JOHNSON, Chicago, Ill. Filed June 9, 1924. Serial No. 718,784. 12 Claims. (Cl. 25-130.)

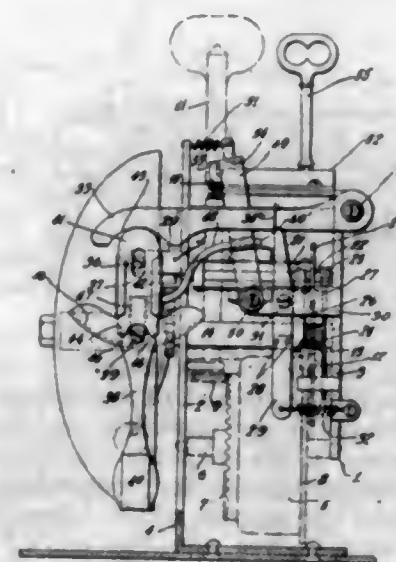


1. A mold of the class described comprising separable sections, a bolt on one of said sections and projecting through an aperture in the other of said sections, a cam on said other section, and a button pivotally mounted on the outer end of said bolt and shiftable into engagement with said cam for clamping said sections together.

1,516,536. MECHANICAL THEFT ALARM FOR AUTOMOBILES. CHARLES H. KOLLING and REINHOLD FRIETZ, Jersey City, N. J., assignors of three-eighths to Oscar O. Lauckner, Hoboken, N. J., and three-eighths to Oscar A. Weissenborn, Jersey City, N. J. Filed Feb. 11, 1924. Serial No. 691,917. 5 Claims. (Cl. 116-33.)

3. A theft precluding device embodying an audible alarm, a motor normally held in restraint for sounding the audible alarm, brake mechanism for normally holding the motor in restraint, a pair of links pivoted to one

another and adapted to normally oscillate under the influence of gravity about a common pivot, means for retaining one of the links against oscillation but permitting



the oscillation of the other link, and means operable by the independent oscillation of the last mentioned link for releasing the brake and causing the alarm to be sounded.

1,516,537. TALCUM-POWDER BOX WITH REENFORCED BEAD. NICHOLAS LOESSEL, Richmond Hill, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed June 27, 1922. Serial No. 571,254. 1 Claim. (Cl. 220-71.)

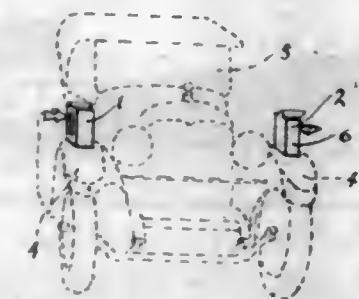


A can for talcum powder and the like, having a body provided near its top with an outstanding peripheral bead, and a breast fitted closely around the body above said bead to form a tight joint with the body, said body being formed with reinforcements of said bead at the median portions of its opposite sides, to preserve the shape of the upper end of the body and maintain the tightness of said joint and prevent the waste of powder when the sides of the body are bent inwards.

1,516,538. DIRECTION INDICATOR FOR AUTOMOBILES. RUSSELL EDWARD LUNDAY, Los Angeles, Calif. Filed Mar. 27, 1922. Serial No. 547,279. 2 Claims. (Cl. 177-337.)

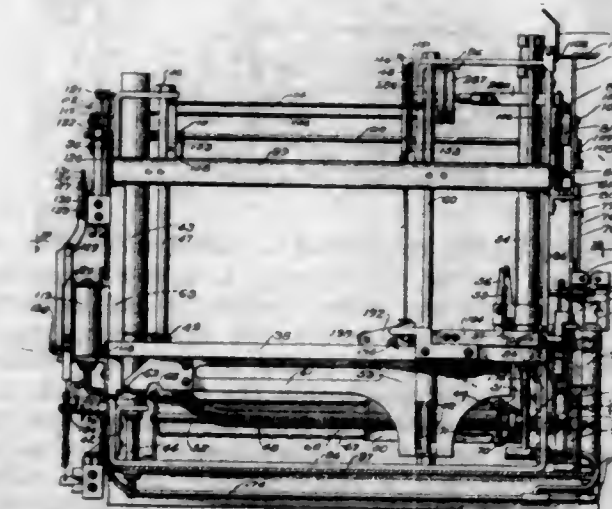
1. A device of the type described comprising a pair of casings arranged to be mounted apart from one another on a motor vehicle, a pair of separate halves of indicat-

ing members disposed on each of said casings, and means for selectively moving said members in said casings, whereby said members may be projected exteriorly of



said casings, a member of one casing cooperating with a member in the opposite casing to comprise a complete indicating member having the appearance of an arrow.

1,516,539. SELECTOR AND CONNECTION. FRANK A. LUNDQUIST, Chicago, Ill., assignor, by mesne assignments, to Henry S. Conrad, trustee. Filed Sept. 27, 1920. Serial No. 412,915. 20 Claims. (Cl. 179-27.5.)



1. In a switching mechanism, a motor, an escapement for controlling the operation of said motor, a carriage, a flexible connection in the form of a coil of wire connecting said motor and carriage, means for operating said escapement to allow said motor to move in one direction, said coil of wire communicating each movement of the motor to the carriage to move said carriage in a different direction, and a guide for said coil.

1,516,540. AUTOMATIC PISTOL. WILLY MANN, Neundorf, near Suhl, Germany. Filed Dec. 20, 1922. Serial No. 608,047. 11 Claims. (Cl. 42-3.)



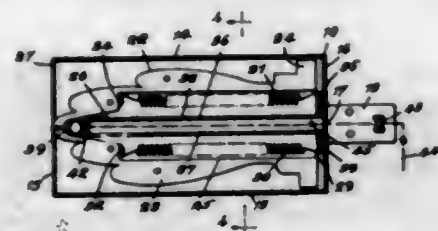
1. In an automatic pistol, the combination of a butt provided with a threaded hole, a removable barrel having its rear end threaded into said hole, and a sliding breech encasing the barrel and formed with internal longitudinal guide ribs for engagement in recesses in the butt to lock the breech and butt together, said ribs having portions thereof cut away to permit their disengagement from said recesses and the removal of said breech; substantially as described.

1,516,541. MOORING STATION FOR DIRIGIBLES. JOHN MASON, Cape May, N. J. Filed July 8, 1921. Serial No. 483,140. 10 Claims. (Cl. 114-0.5.)



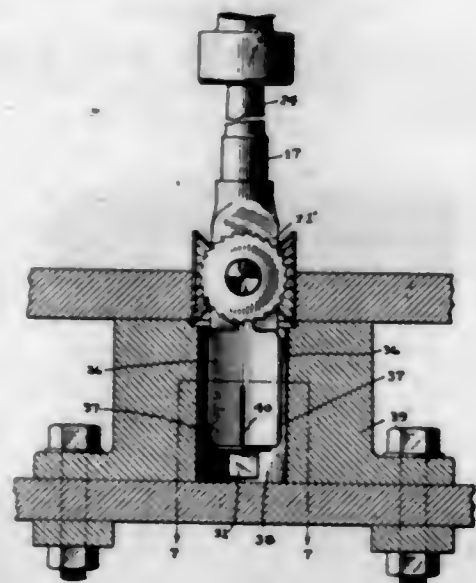
1. A mooring station for dirigibles, comprising an automatically orientating anchorage, a shield mounted thereon to receive and enclose only the nose of the dirigible, collapsible cradle slings for supporting the dirigible and means for securing the dirigible to the anchorage.

1,516,542. TRAFFIC SIGNAL. LOUIS S. MASSIMO, Bayside, N. Y. Filed July 3, 1924. Serial No. 724,083. 4 Claims. (Cl. 116-50.)



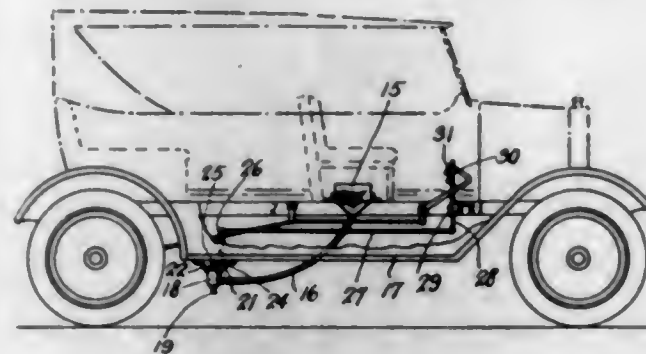
1. A traffic signal, comprising a casing mountable on a vehicle and having an opening, a hollow signalling element movable in the casing outwardly and inwardly of the opening, springs within the signalling element connecting the element and casing for normally retaining the element yielding within the casing, a substantially U-shaped bar extending from the casing interiorly of the signalling element, a pulley between the arms of the U-shaped bar, and a cable leading into the casing over the pulley and having one end attached to the signalling element for being pulled to cause the element to move against the tension of the springs outward of the opening of the casing.

1,516,543. MACHINE TOOL. HERMANN MEIER, Bremen, Germany. Filed Jan. 18, 1922. Serial No. 530,035. 8 Claims. (Cl. 90-11.)



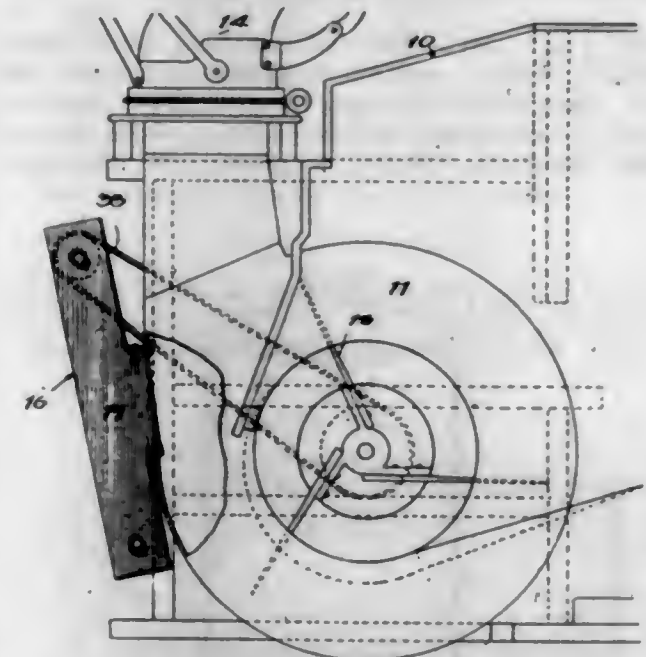
1. A tool comprising a shaft, a housing mounted thereon and having a longitudinally extending shank, angular in section, the corners of the shank having sharp cutting edges, and rotary cutters carried by said housing on axes transverse to the housing shaft.

1,516,544. SANDING DEVICE FOR VEHICLES. MOR-TIMER NOAH, New York, N. Y. Filed July 18, 1924. Serial No. 726,789. 2 Claims. (Cl. 291-15.)



1. In a sanding device for automobiles, a sand hopper, a discharge nozzle positioned in advance of the rear wheels of the automobile and arranged to receive sand from the sand hopper, means including a pivotally mounted brake pedal operated lever for controlling the discharge of sand from the nozzles and a laterally slidable head capable of being moved into and out of the path of said lever for controlling the operation of the lever.

1,516,545. GRAIN-SAVING ATTACHMENT. LARS JOHAN OLSON, Trosky, Minn. Filed Mar. 1, 1922. Serial No. 540,144. 2 Claims. (Cl. 130-17.)

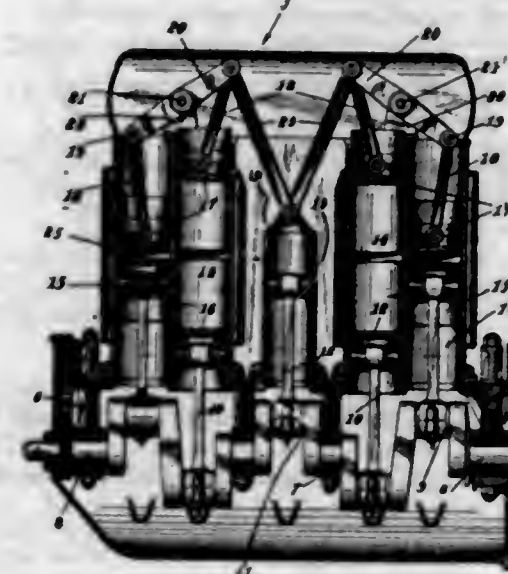


1. A grain saving attachment for thrashing machines comprising a casing of elongated formation having means whereby the same may be secured in an inclined position to the clean-out opening in the blower casing of a thrasher and having its lower portion provided with an outlet opening, the intermediate portion of the casing being provided with an inlet mouth adapted to be received within the clean-out opening of the thrasher, an endless conveyor arranged within the casing and having transverse strips to conduct the grain to the outlet opening, tensioning means to tension the conveyor whereby the transverse conductor strips are urged into air-tight engagement with the walls of the casing on opposite sides of the conveyor, and grate bars extending over the mouth of the casing.

1,516,546. INTERNAL-COMBUSTION ENGINE. ROBERT ORR, Montreal, Quebec, Canada. Filed July 20, 1921. Serial No. 486,137. 2 Claims. (Cl. 121-117.)

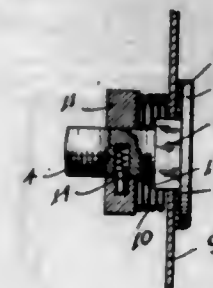
2. In an internal combustion engine, a pair of adjacent cylinders, a guide member at one side of said cylinders, a pair of pistons operable in each of said

cylinders, a crank shaft disposed beneath said cylinders, connecting rods between the lower pistons and said crank shaft, a rocker arm pivoted above said cylinders, connecting rods pivoted to the upper pistons and to the end



of said rocker arm, a slipper operable in said guide member, a pitman connecting said slipper to the crank shaft, and a link pivoted to said slipper and to one end of said rocker arm.

1,516,547. METHOD AND MEANS FOR THE REGISTRATION OF MOTOR VEHICLES. WALTER DUNNING POWELL, Fargo, N. Dak. Filed June 11, 1923. Serial No. 644,762. 3 Claims. (Cl. 40-2.2.)



2. Means for marking a motor vehicle for identification which consists of an identification tag arranged to be projected through an opening provided in the cowl of said motor vehicle, whereby said tag may be plainly visible on the exterior wall of said cowl, means for locking said tag against dislodgment from said cowl, said tag bearing legends designating a serial number peculiar to that of the motor vehicle on which the tag is placed, and in the substitution of a part of said motor vehicle for the corresponding original part of said motor vehicle, said substituted part having legends thereon in code corresponding with the legends on said identification tag.

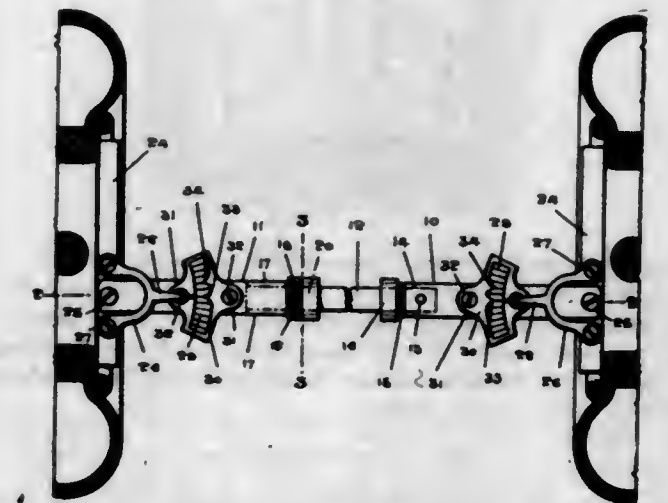
1,516,548. AUTOMOBILE VACUUM CLEANER. EDWARD LINDEN RAY, Hedrick, Iowa, assignor of one-half to Charles Boughan, Hedrick, Iowa. Filed Sept. 5, 1922. Serial No. 586,244. 1 Claim. (Cl. 183-51.) In a device of the class described, a suction member, a bag-like porous dust-filter in the suction member, and a stiffener in the porous filter, the stiffener being made of foraminous material wound into spiral form to fashion

convolutions which are in direct contact with each other, the stiffener conforming closely to the cross section of



the filter, the spiral form of the stiffener permitting it to be made by cutting the constituent material of the stiffener to the desired length and rolling it.

1,516,549. WHEEL-ALIGNMENT INDICATOR. ANTON I. SANDRO, Rock Island, Ill. Filed Aug. 19, 1921. Serial No. 493,635. 2 Claims. (Cl. 33-180.)



1. A wheel position indicator comprising an extensible member including a tubular section and a rod slidably entering one end portion of said section, blades connected to the opposite ends of said member to assume different angles with reference to said member, means between the blades and member for indicating the angles of said blades with reference to said member, said end portion of the tubular section having a slot, a feather carried by said rod working in said slot to prevent relative rotation of the section and rod, and means on the slotted portion of said section for contracting it to embrace the rod.

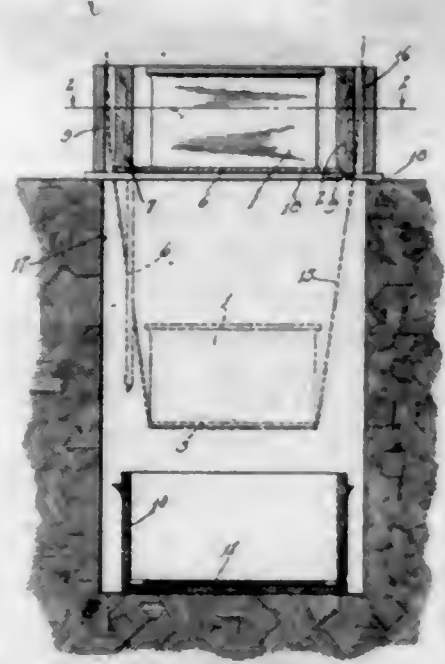
1,516,550. MANUFACTURE OF SODIUM NITRATE. ELIAS ANTHON CAPPELEN SMITH, New York, N. Y., assignor to Guggenheim Brothers, a Copartnership, New York, N. Y. Filed Jan. 19, 1922. Serial No. 530,437. 5 Claims. (Cl. 23-38.)

3. The cyclic method of extracting sodium nitrate from caliche by leaching the caliche at temperatures not exceeding about 60° C. and subjecting the resulting strong solution to refrigeration for the precipitation of sodium nitrate therefrom and returning the cold mother liquor for further leaching, which comprises carrying out the refrigeration in successive stages, one of which stages involves a heat exchange between the strong solution from the leaching step and the cold mother liquor in the course of which sodium nitrate is precipitated from the strong solution, and another of which stages involves refrigeration of the solution at a lower temperature with a resulting precipitation of sodium nitrate and the production of said cold mother liquor.

1,516,551. MEANS FOR INTERMENT. JOSEPH HOWARD STEVENSON, Bloomington, Ill. Filed Sept. 19, 1923. Serial No. 663,653. 3 Claims. (Cl. 27-32.)

1. In a means for interment, a service casket having a plurality of spaced apart trap doors in the bottom wall

thereof, an inner sealer for containing the body of the deceased arranged for disposition in said service casket, said sealer having a pair of parallel depending strip portions on the lower wall thereof arranged to lie between



the adjacent edges of the spaced apart trap doors in said service casket, and to bear upon the lowering straps of the casket lowering device when said straps are placed beneath said service casket.

1,516,552. HEART-AFFECTING PURE GLUCOSIDE FROM BULBUS SCILLAE AND A PROCESS FOR PRODUCING THE SAME. ARTHUR STOLL and EMIL SUTER, Basel, Switzerland, assignors to The Society Chemical Works formerly Sandoz, Basel, Switzerland. Filed June 8, 1923. Serial No. 644,238. 3 Claims. (Cl. 167-4.)

1. A process for the manufacture of heart-affecting pure glucoside from bulbus Scillae, consisting in dissolving in a watery solvent extracts obtained in the known way by exhaustive extraction of powdered squill rich in glucoside with a suitable organic solvent of small water content, mixing this solution with tannin precipitating substances, filtering off from the precipitate, removing from the filtrate any excess of tannin precipitating substance, treating the thus purified glucoside solution with an organic solvent not miscible with water, removing therefrom the glucoside by again treating with a sufficient quantity of water, and concentrating the watery solution in vacuo to dryness at low temperature.

3. A process for the manufacture of heart-affecting pure glucoside from bulbus Scillae, consisting in dissolving in a water-containing organic solvent extracts obtained from powdered squill rich in glucoside, mixing this solution with tannin precipitating substances, filtering off from the precipitate, removing from the filtrate any excess of tannin precipitating substance, concentrating the separated glucoside solution in vacuo at low temperature, adding common salt thereto, shaking with chloroform containing methyl alcohol, removing therefrom the glucoside by again treating with a sufficient quantity of water and concentrating the solution in vacuo to dryness at low temperature.

1,516,553. APPARATUS FOR WINDING YARN WARPS UPON DYEING BEAMS. BERNHARD KARL THIES, Coesfeld, Westphalia, Germany. Filed June 20, 1924. Serial No. 721,351. 2 Claims. (Cl. 28-39.)

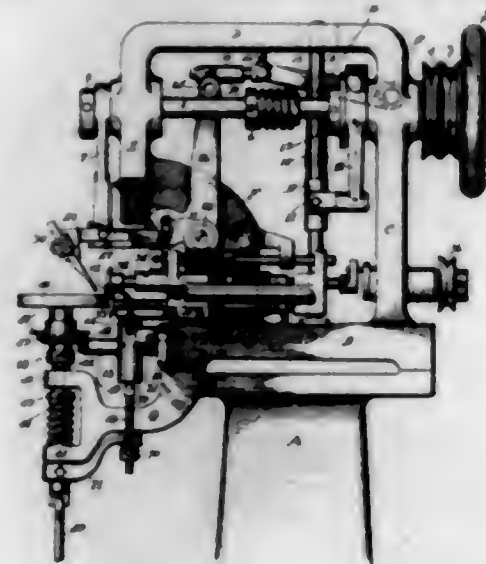
1. In an apparatus for winding yarn warps upon a dyeing beam by means of a friction drum drive, the

combination with the dyeing beam, and a friction drum, of driven friction flanges located on the ends of a dyeing



beam, and driving friction-discs removably located on said friction drum, for engaging and driving said friction flanges.

1,516,554. GEMMING MACHINE. FÉLIX EMILE VALOIS, Bridgeport, Conn., assignor to Hamel Shoe Machinery Company, Bridgeport, Conn., a Corporation of Massachusetts. Filed May 28, 1920. Serial No. 384,959. 3 Claims. (Cl. 12-20.)

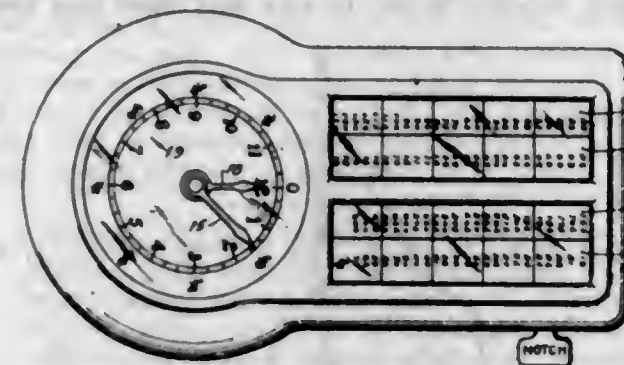


1. In a machine of the class described, a work-table, a plow disposed to ride on the feather of an insole being operated upon and against the lip thereof, yielding means for positioning said plow in definite spaced relation with respect to said work-table and permitting movement of the plow for insertion and removal of said insole, and a gravity returned device permitting movement of said plow for different thickness of work beyond the position determined by said yielding means.

1,516,555. RESET-MECHANISM CONTROL FOR PRESSER ROLLERS. JOHN L. WHEELER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed May 19, 1922. Serial No. 562,255. 9 Claims. (Cl. 235-144.)

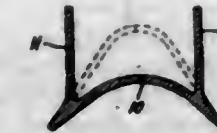
1. In a fabric measuring and cost computing machine, the combination of indicating mechanism, a measuring roller for driving the same, a presser roller mounted so as to move toward or from the measuring roller, resetting means for resetting the indicating mechanism to

zero, a hand-actuated resetting member for controlling the same, and means actuated by the resetting member



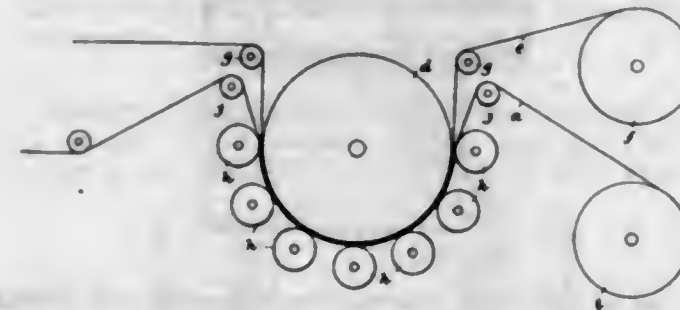
to prevent the presser roller from coming against the measuring roller during the resetting movement of the indicating mechanism.

1,516,556. METHOD OF MANUFACTURING TURBINE BLADES. JAMES WILKINSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 21, 1922. Serial No. 602,423. 3 Claims. (Cl. 29-23.5.)



3. The method of manufacturing a turbine bucket which comprises taking a length of material having a curved portion for forming the face of the bucket and rearwardly projecting wings provided with angular extensions, bending the wings around until their longitudinal edges meet and the extensions engage each other and the rear wall of the face of the bucket, and then fastening the contacting surfaces together.

1,516,557. METHOD OF PRINTING PANELED EFFECTS ON FABRIC STRIPS. PERCIVAL J. WOOD, Paterson, N. J. Filed Dec. 28, 1922. Serial No. 609,413. 1 Claim. (Cl. 41-29.)

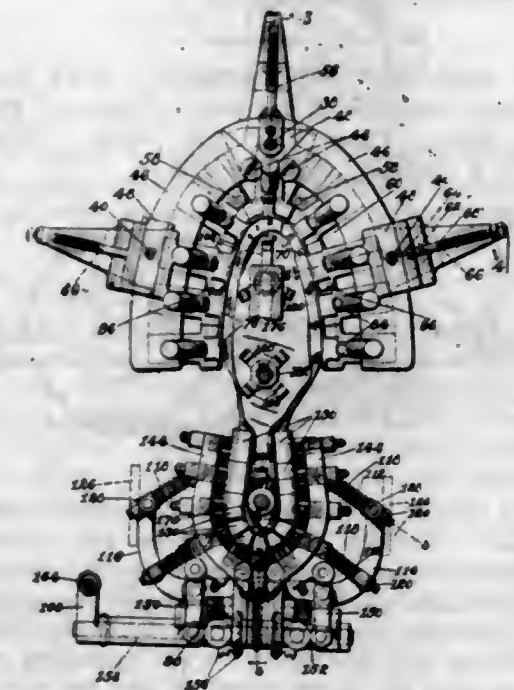


The hereindescribed method of printing a fabric strip which consists in passing said strip and a flexible sheet, the latter having a succession of openings therein and being an absorbent of the printing substance but adapted to insulate the strip therefrom, between a backing means and a printing roller having said substance on its periphery and so that the sheet is interposed between the strip and roller and said openings will successively expose the strip to the periphery of the roller.

1,516,558. MACHINE FOR WORKING UPPERS OVER LASTS. HARRY L. YEATON, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 16, 1920. Serial No. 350,058. 92 Claims. (Cl. 12-10.)

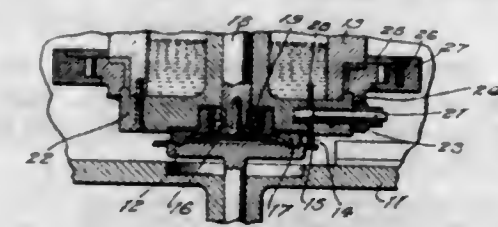
1. A machine of the class described having, in combination, means for pulling an upper over a last, toe and heel end lasting mechanisms each comprising members mounted for inward movement to bend the margin of the

upper over the sole and arranged to position the margin of the upper at the end of said movement at a substantial angle to the plane of the sole from the edge of the sole inwardly, and means for effecting relative movement



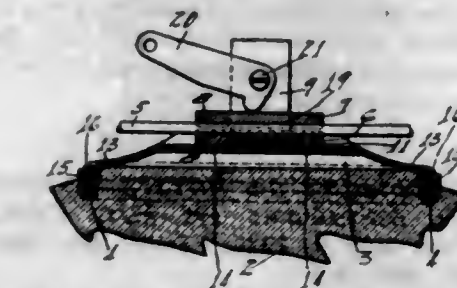
of said members and the shoe after said inward movement of the members has been substantially completed to press the margin of the upper against the bottom face of the sole.

1,516,559. PROCESS OF LINING CAN ENDS AND GASKET-LINED ENDS. JOHN M. YOUNG, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed July 29, 1922. Serial No. 578,338. 10 Claims. (Cl. 113-80.)



1. The process of gasket lining can ends which comprises lining the peripheral flange of the end with a fusible compound, placing in said flange upon the compound, a thin absorbent gasket suitable to be interfolded in a double seam, and applying heat to said gasket whereby the compound is melted and caused to saturate the fibrous gasket rendering the same resistant to the penetration of moisture and air.

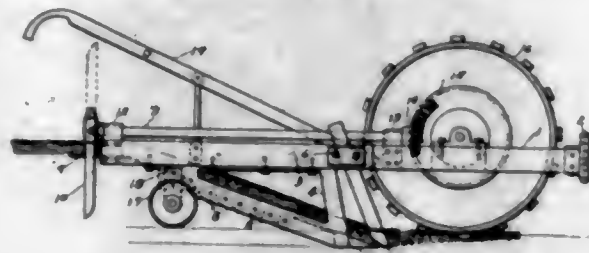
1,516,560. INSULATOR TIE. CHARLES ZIMMER, Edinboro, Pa., assignor of one-half to Lynn C. Dundon, Edinboro, Pa. Filed Oct. 21, 1920. Serial No. 418,461. 1 Claim. (Cl. 173-313.)



In an insulator tie, the combination of a clamp comprising a bottom plate; a top plate; arms secured to the bottom plate and having hooked ends adapted to extend from the clamp in a cross groove in an insulator; bands

arranged to operate on the hooked ends and extend around an annular groove in an insulator; a post secured by the arms on the bottom plate and extending through the top plate; and a cam lever arranged on the post and operating on the top plate.

- 1,516,561. SOD-CUTTING MACHINE. JOHN BAST, Detroit, Mich., assignor of one-half to James J. Sherman, Detroit, Mich. Filed July 12, 1922. Serial No. 574,461. 5 Claims. (Cl. 27-228.)

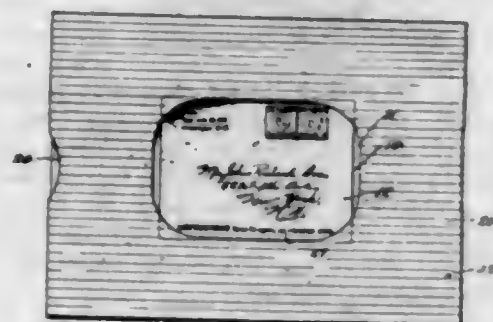


1. A sod cutter of the character described comprising one or more vertical cutting blades for cutting the sod in narrow strips, a horizontal share for cutting the sod from the soil, a frame and wheels for supporting same, a revolving block knife with multiple blades for cutting the sod into blocks, means for operating same by connections with the drive wheel of the machine, a sod cutting table, angular means for cutting the blocks of sod at right angles, and means for operating the machine.

- 1,516,562. HAIR REMEDY. ANTONIO G. CALABRO, Boston, Mass. Filed July 6, 1923. Serial No. 649,972. 1 Claim. (Cl. 167-5.)

A hair remedy consisting of three quarts of lemon juice, one quart of olive oil, six ounces of powdered sulfur, three drachms of bicarbonate of soda, and approximately nineteen ounces of alcohol.

- 1,516,563. COMBINED ENVELOPE AND DISPLAY MEDIUM. LAWRENCE BRYAN CAMPBELL, Washington, D. C. Filed Aug. 23, 1922. Serial No. 583,864. 12 Claims. (Cl. 40-159.)

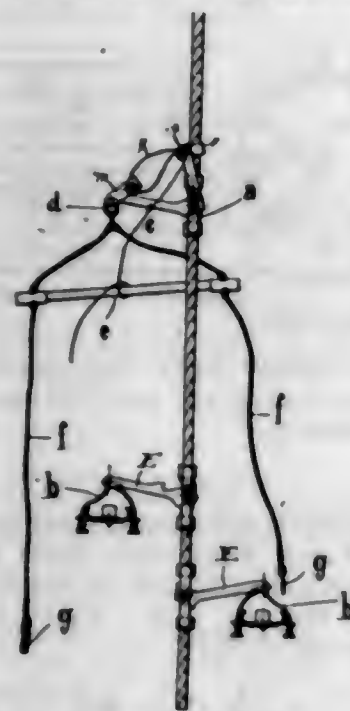


1. In an article of the class described, an envelope open at one side and having a window in one wall, an element within the envelope to be displayed through said window, and a sheet separate from the envelope and removably fitted within the envelope through said open side and disposable between the said element and the said wall of the envelope to close the window and also disposable between the element and the opposite wall of the envelope to constitute a backing for the element.

- 1,516,564. ROPE-GRIPPING DEVICE. ANTOINE JOSEPH MARIUS BARTHÉLEMY DIT PAUL CANS, Paris, France. Filed May 9, 1921. Serial No. 468,118. 6 Claims. (Cl. 227-8.)

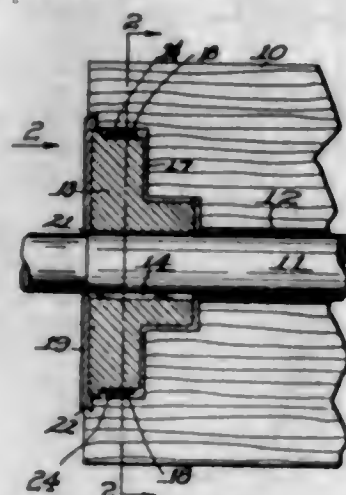
1. A rope gripping device comprising a pair of end rings adapted to freely encircle a rope, means for rigidly holding said rings axially aligned in spaced parallel relation, a third ring mounted intermediate and spaced between the said end rings in axial alignment therewith,

said mounting comprising a pivotal support extending transversely to the axis of said rings and centrally of said third ring and means to turn said third ring upon



its transverse axis to cause a double flexure of said rope between said end rings, and a gripping engagement between the upper and lower edges of said intermediate ring and the rope.

- 1,516,565. END SEAL FOR WOOD ROLLS. CARL C. HARRIS, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1924. Serial No. 703,828. 5 Claims. (Cl. 92-47.)



1. As an article of manufacture, a wooden roll having a shaft therein with a seal of expanding compound around the shaft and in intimate contact with the interior of the roll and shaft and provided with a gudgeon on the end of the shaft, the surfaces of the gudgeon at the rear and the adjacent surfaces of the roll being sealed by the molten expanding compound, a packing ring around the gudgeon and sealing the outer surfaces of the compound, and a metal seal poured over the surfaces of the gudgeon and wooden roll to protect them from moisture.

- 1,516,566. LAMINATED MATERIAL AND THE PROCESS OF PREPARING SAME. HENRY L. HASKELL, Ludington, Mich., assignor to Haskellite Manufacturing Corporation, Grand Rapids, Mich., a Corporation of Michigan. Continuation in part of application Serial No. 191,154, filed Sept. 13, 1917. This application filed Jan. 26, 1918. Serial No. 213,891. Renewed Dec. 14, 1923. 17 Claims. (Cl. 144-309.)

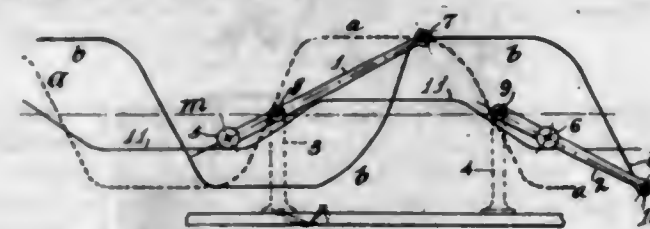
1. The process of preparing and applying a cement consisting of dissolving black albumen (dried blood) in

water in proportions of about 55 parts of water to 45 parts of albumen, mixing thoroughly for several hours, adding thereto a heavy grade of disodium silicate in the proportion of about 9 per cent. by weight to the albumen, mixing the same until the same have reached a homogeneous syrupy consistency, applying the same to wood surfaces of veneer to be joined, and applying pressure and heat to substantially the boiling point of water until the cement has set, as specified.

- 1,516,567. CEMENT OR WATERPROOF GLUE MATERIAL AND PROCESS OF PREPARING OR MANUFACTURING THE SAME. HENRY L. HASKELL, Ludington, Mich., assignor to Haskellite Manufacturing Corporation, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 26, 1918. Serial No. 213,892. Renewed Dec. 14, 1923. 7 Claims. (Cl. 87-17.)

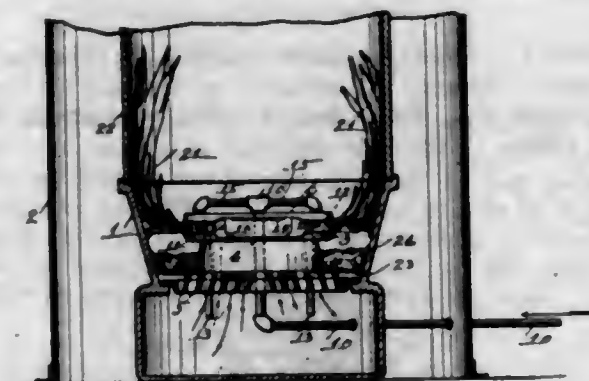
1. The process of preparing a cement consisting of preparing a solution of blood albumen in water in the proportion of about fifty-five (55) per cent of water to forty-five (45) per cent of albumen, thoroughly admixing the same, adding thereto a heavy grade of silicate of soda in the proportion of about nine (9) per cent by weight of the dry disodium silicate to the albumen content, and mixing the same until the mass becomes of a homogeneous syrupy consistency.

- 1,516,568. CIRCULAR-BRAIDING MACHINE. GUIDO HORN, Weissensee, near Berlin, Germany. Filed June 11, 1917. Serial No. 174,142. 2 Claims. (Cl. 96-7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



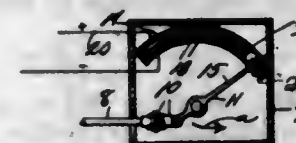
1. In a circular braiding machine having two sets of bobbins movable in opposite directions, thread guiding levers co-operating with said bobbins, and a common cam for controlling all said levers, half of said levers being one-armed, and half of them being double-armed, said one-armed and double-armed levers being alternately arranged.

- 1,516,569. FLUID-FUEL BURNER. THOMAS J. MAJCHRAK, Grand Rapids, Mich. Filed Feb. 29, 1924. Serial No. 695,877. 5 Claims. (Cl. 158-91.)



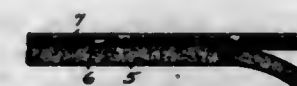
5. In a burner: a base member having a vertically disposed air-draft passage therethrough and oppositely disposed upwardly extending flanges provided with air-draft depressions; an upper member having an orifice therethrough and an upwardly-outwardly inclined under surface and forming the upper wall of the upper portion of said passage; a fluid-fuel feeding pipe extending upwardly through said passage and said orifice and having branches with discharge vents below said upper member and adjacent the upper-outer end of said passage and respectively between said flanges.

- 1,516,570. TRAFFIC SIGNAL. VICTOR R. MELLENBACH, Burdick, Kans. Filed Apr. 15, 1922. Serial No. 552,863. 2 Claims. (Cl. 200-86.)



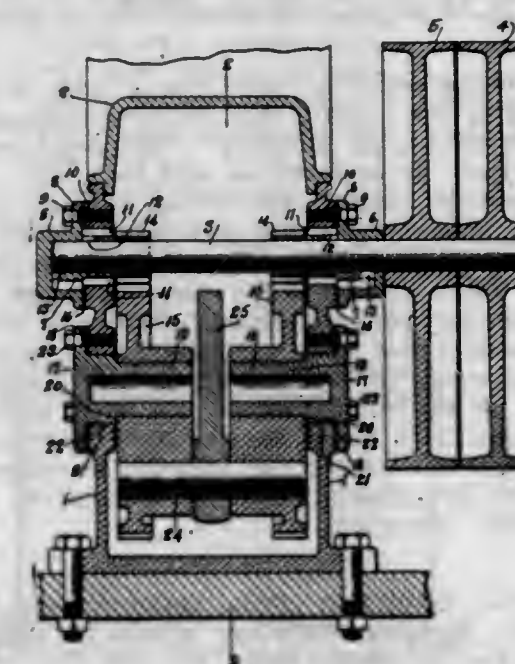
1. A vehicle actuated circuit maker and breaker, said circuit maker and breaker comprising a depressible and longitudinally movable member, a horizontally pivoted arm, a connection between the depressible member and the arm, a segmentally shaped inclined member formed from insulating material and having a groove therein, said groove having imbedded therein spaced segmentally shaped conductor plates, said pivoted arm having one of its ends extending over the segmentally shaped member and a spherical member formed from conductor material disposed on the segmentally shaped member and in the groove thereof in the path of the horizontally pivoted arm.

- 1,516,571. PROCESS OF MAKING COVERING MATERIALS. FREDERICK W. MOORE, East Orange, N. J. Filed May 11, 1918. Serial No. 233,982. 11 Claims. (Cl. 154-2.)



1. The process of producing a covering as an article of manufacture which consists of forming an integument of textile fabric on leather by cellular impregnation and union, the construction of the weave or mesh of the fabric being porous or intersticed to permit of impregnation or filling of leather and then splitting the leather by a cutting operation to form a complement one to the other in a composite uniform sheet of leather and textile having equivalent utility.

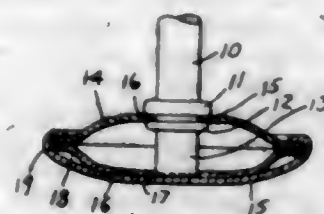
- 1,516,572. BEARING. PHILIP A. MYERS, Ashland, Ohio, assignor to The F. E. Myers and Brother Company, Ashland, Ohio, a Corporation of Ohio. Original application filed Aug. 30, 1920. Serial No. 407,024. Divided and this application filed Nov. 3, 1922. Serial No. 598,890. 3 Claims. (Cl. 74-56.)



1. In a power head, the combination with a casing adapted to contain a quantity of lubricant and operating mechanism, and provided with openings in its opposite walls, of a set of bearings consisting of cups and

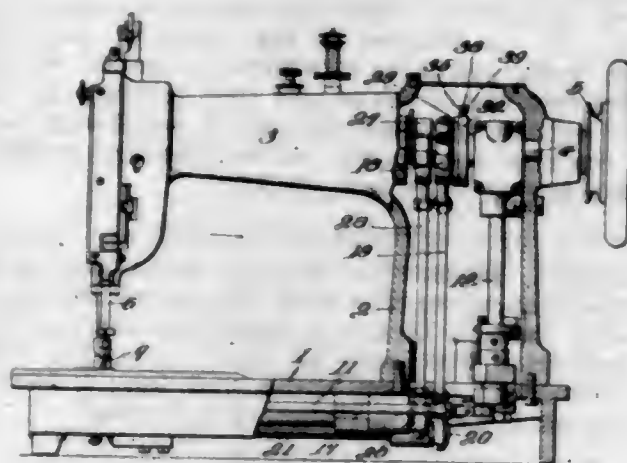
projecting sleeves each of which extends through one of said openings and is of less diameter than such opening to form a lubricant passage, and fastening devices to removably attach such bearings to the casing.

1,516,573. CASTER SLIDE. WILLIAM H. NOELTING and EMIL A. SMITHFIELD, Evansville, Ind., assignors to Faultless Caster Company, Evansville, Ind., a Corporation. Filed Apr. 11, 1924. Serial No. 705,775. 14 Claims. (Cl. 16-42.)



1. A slide including a stem, a centrally apertured plate upon said stem, another centrally socketed plate for receiving an end of the pin and anchoring the same against rocking movement, and an upwardly directed bottom plate, said top and bottom plates being rigidly secured together.

1,516,574. FEEDING MECHANISM FOR SEWING MACHINES. LANSING ONDERDONK, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1923. Serial No. 624,984. 10 Claims. (Cl. 112-209.)

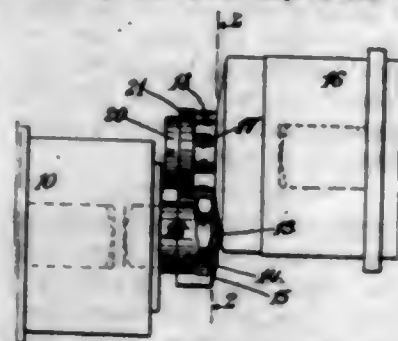


1. A sewing machine comprising a work support, an overhanging arm, a main shaft in said overhanging arm, a feeding mechanism including a feed dog beneath said work support, an eccentric on said main shaft, and devices operated thereby for raising and lowering said feed dog, a second eccentric on said main shaft, devices operated thereby for moving said feed dog back and forth, a sleeve secured to the main shaft and having a disk flange extending outwardly therefrom, a plate pivotally secured to said flange and carrying said second eccentric, said second eccentric having a recess permitting the same to be shifted laterally of the main shaft, means for locking said plate carrying the eccentric to the flanged disk for holding the eccentric in adjusted positions, and an adjusting lever for shifting the plate on its pivotal connection.

1,516,575. MACHINE FOR MAKING POLYGONAL CAPS. HERMAN OSSWALD, Richmond Hill, N. Y. Filed Dec. 8, 1920. Serial No. 429,151. 7 Claims. (Cl. 153-25.)

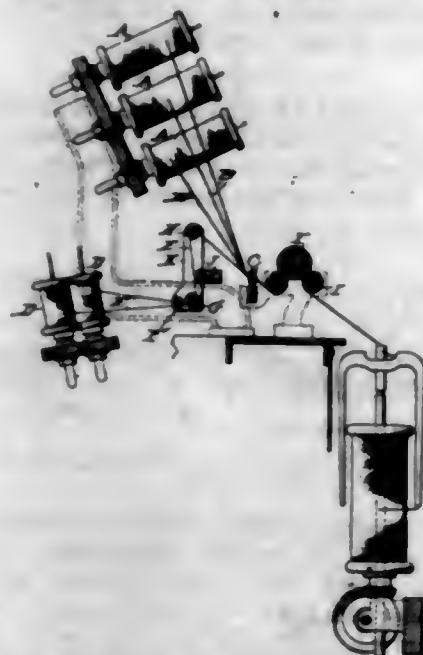
1. The mechanical process for forming a cap having a polygonal head from a cylindrical cap blank, which consists in placing the said cap blank on a die having a polygonal head with flat sides and thereafter forming

the polygonal head of the blank by progressively flattening the cap blank on the flat sides of the said polygonal die, while permitting the said cap blank to shift rela-



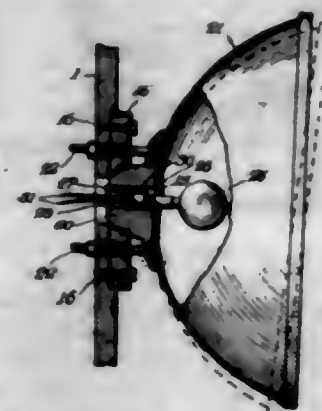
tively to the said die whereby to form a polygonal cap having a number of sides greater than the number of sides of the said polygonal die head.

1,516,576. METHOD OF AND APPARATUS FOR MAKING COMPOSITE THREADS. DURELL O. PEARSE, Worcester, Mass. Filed Nov. 3, 1923. Serial No. 672,460. 7 Claims. (Cl. 117-35.)



1. The method of making a composite thread which consists in drawing a plurality of wire strands forward through loop form to equalize and remove kinks therefrom, applying a fibrous strand or strands therewith and twisting the strands together to make a composite thread.

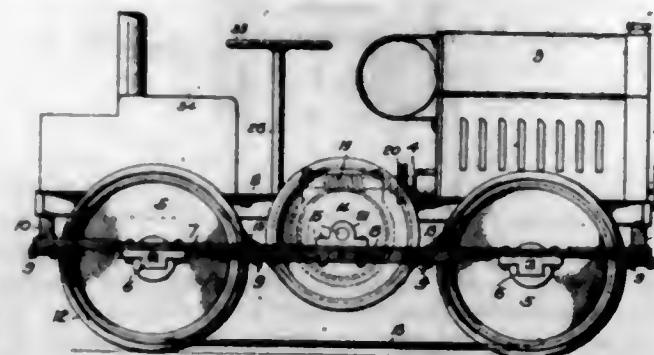
1,516,577. SIGNAL-LAMP SUPPORT. GEORGE ELLIOT PERRY, Chicago, Ill., assignor to William F. Cummings, Chicago, Ill. Filed Sept. 8, 1921. Serial No. 499,320. 1 Claim. (Cl. 240-52.)



A signal lamp comprising a flat face support; a lamp holder to support a lamp socket and having its rear surface substantially spherical, a bracket having a flat face and a hole therein to give access to the rear of a

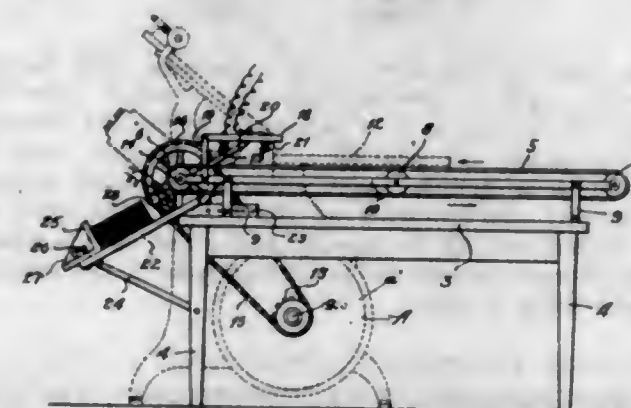
lamp socket and to provide a seat for the spherical end of the holder so that the holder may be pivotally moved in any direction relative to the bracket, and a bolt passing thru the support, bracket and holder for holding the device on the support and the bracket and holder together in any position.

1,516,578. POWER TRANSMISSION FOR MOTOR VEHICLES. EDWIN H. PLATT, Denver, Colo., assignor of one-half to Edwin F. Platt, Portland, Oreg. Filed Mar. 9, 1921. Serial No. 450,943. 8 Claims. (Cl. 180-9.1.)



1. In a motor vehicle, the combination of tandem traction wheels having drum faces of smaller diameter than their tread circles, endless belts carried on said drum faces, a vehicle body resiliently supported on said wheels, rotary drive wheels on the body frictionally engaging with said belts, and a motor in driving connection with the drive wheels.

1,516,579. DRYING ATTACHMENT FOR PRINTING PRESSES. BERNARD SANDFORTH, Techny, Ill., assignor to Society of The Divine Word, Techny, Ill., a Corporation of Illinois. Filed Jan. 29, 1923. Serial No. 615,466. 7 Claims. (Cl. 34-18.)

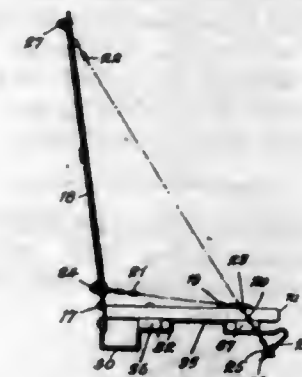


1. In a printing press attachment, the combination of an endless belt, means to support the belt at one side of a platen printing press so the operator of said press can transfer the printed sheets from the platen to said belt, gearing for driving the belt comprising a wheel adapted to be secured to the drive shaft of the press, and a heater to dry the sheets conveyed by the belt.

1,516,580. COLLAPSIBLE WINDOW CHAIR. MICHAEL SEIDEMANN, New York, N. Y. Filed Dec. 22, 1923. Serial No. 682,179. 1 Claim. (Cl. 304-24.)

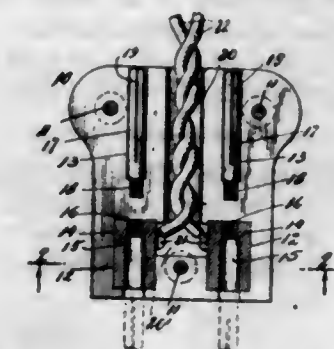
The combination with a collapsible window chair having a substantially rectangular seat with a back hinged thereto, of two spaced parallel bars fastened on the under-side of the seat and both bars having one of their corresponding ends bent to provide yielding depending hooks for being disposed over the inner edge of the sill of the window, said bars having their other ends bent in approximately U-shapes to provide supports for elevating the seat above the sill and the bars having their central

parts also bent to provide recesses for accommodating the rail of the window sill, a cross-bar connecting the free ends of the hooks, and chains having their ends at-



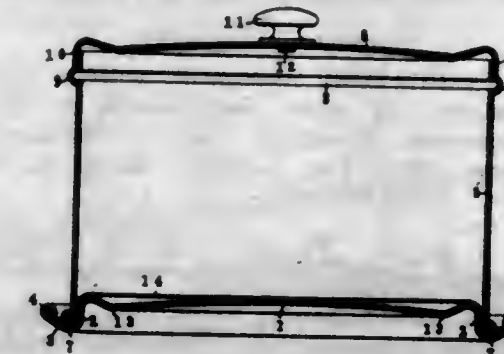
tached to upper parts of the back and to the free end parts of the said hooks for limiting the upward movement of the back and to force the free ends of the hooks toward the seat when the back is under upward pressure.

1,516,581. ELECTRIC CONTACT PLUG. HERMANN SEUFERT, Brooklyn, N. Y. Filed Nov. 2, 1922. Serial No. 598,482. 2 Claims. (Cl. 173-361.)



1. An electric connector composed of two detachable sections of insulation material, each section having a central bore to form a passage for the wire, and two sets of grooves adapted to form sockets, the sockets of one set being internally threaded at their inner ends, contact pins adapted to removably bear in said last named sockets, and having externally threaded ends adapted to be screwed in the threaded ends of said sockets and contact sleeves adapted to bear in the grooves of the other set and having internal threads to engage said pins, the latter being adapted, when positioned in said sleeves, to snugly fit therein and project outwardly to constitute plugs, and terminal means positioned in said central bore and leading to said sleeves for the attachment of the electric wires.

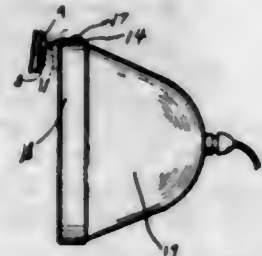
1,516,582. CAKE BOX. SUSAN M. SPALDING, Atlanta, Ga. Filed Oct. 28, 1922. Serial No. 597,479. 3 Claims. (Cl. 45-21.)



1. A portable box of the character described including, in combination, a base and a removable cover, the base comprising a centrally disposed article supporting plate the periphery of which turns downwardly and provides a circumferential depending flange adapted to support

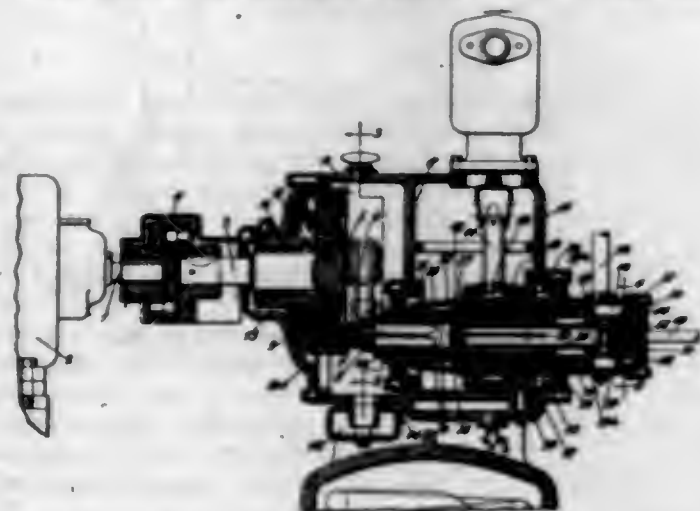
said plate in raised position, the material of said flange extending outwardly and upwardly from its lower edge and terminating in a bead so as to provide a circumferential handle and lifting member for said plate and an upwardly presented cover-receiving trough outside of and extending below said plate, said cover having its open end beaded and adapted to encircle the outside of said depending flange and be received in said trough with its bead alongside said bead of said base.

1,516,583. AUTOMOBILE HEADLIGHT ATTACHMENT. WILLIAM C. TYLER, Racine, Wis. Filed Oct. 22, 1923. Serial No. 670,083. 3 Claims. (Cl. 240-46.)



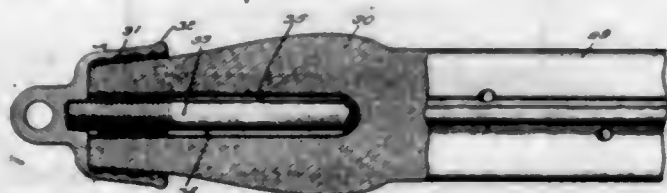
1. A headlight attachment, comprising a disc-shaped frame member, a reflector disposed in a recess formed in said frame member, a protective transparent member positioned adjacent the outer face of the reflector, and an attaching bracket bent at an angle with respect to the frame member and affording means for connecting the attachment to the bezel of a headlight to intercept rays of light therefrom and reflect them rearwardly.

1,516,584. COMPRESSOR. EDWARD WILSON, St. Louis, Mo., assignor to Wilson Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 12, 1923. Serial No. 624,588. 38 Claims. (Cl. 230-30.)



1. A compressor, comprising a housing, a support within the housing, a cylinder within the housing, a piston within the cylinder, end walls attached to the piston and closing the ends of the cylinder, and mechanism for rocking the piston and thereby said end walls.

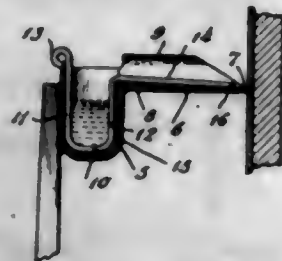
1,516,585. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1920. Serial No. 428,437. 17 Claims. (Cl. 173-318.)



1. An insulator comprising a dielectric member, a connector mechanically secured to said dielectric member, and a flux distributing member arranged within an

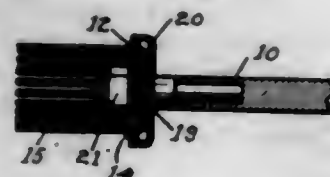
opening in said dielectric member and having a portion thereof extending beyond said connector and free from the mechanical load on said insulator, said opening terminating beyond said flux distributing member.

1,516,586. FOUNTAIN PEN FOR RECORDING INSTRUMENTS. FRANK J. BART, Brooklyn, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 7, 1923. Serial No. 656,151. 2 Claims. (Cl. 120-43.)



1. A fountain pen for recording instruments comprising an inkwell, a pen projecting therefrom and provided with an exposed ink channel, and a wire extending into said inkwell and lengthwise of said ink channel and forming a capillary channel in the ink well and lengthwise of the pen for controlling the flow of ink along said ink channel.

1,516,587. WIRE BRUSH. SVEN MALCOLM BLANCH, Worcester, Mass., assignor to Fleming Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 28, 1923. Serial No. 665,451. 1 Claim. (Cl. 15-198.)



In a brush, the combination of a circular plate having a circular row of perforations therethrough near its circumference, a group of wire bristles projecting through each perforation to provide a single annular row of groups with a hollow space within, and each headed over radially and inwardly on the back of the plate so as to extend toward the center, and a cap on the brush secured thereto against the projecting ends of the bristles to secure them in place.

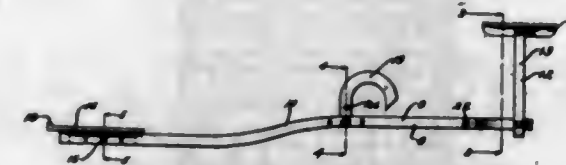
1,516,588. PROCESS OF MAKING OXIDES OF NITROGEN AND CAUSTIC ALKALI. DONALD B. BRADNER, Edgewood, Md. Filed Aug. 10, 1921. Serial No. 401,267. 5 Claims. (Cl. 23-1.)

1. In a process of making oxides of nitrogen and caustic alkali, heating by means of combustion gases within a furnace a charge of a nitrate of an alkali metal and ferric oxide disposed therein, said combustion gases providing sufficient heat for said entire heating, agitating the charge and maintaining same in substantially continuous movement from the intake to the outlet of the furnace and removing the evolved oxides of nitrogen by said combustion gases moving in a direction opposite to that of the charge.

1,516,589. DEVICE FOR REMOVING STORAGE BATTERIES FROM VEHICLES. EDWIN S. DEWEY, Madison, Wis. Filed Apr. 10, 1924. Serial No. 705,060. 3 Claims. (Cl. 254-131.)

2. A device of the class described, comprising a pair of complementary, elongated, strap iron frame members secured together and formed with a medial double bent portion and outwardly diverging inner end portions, a

U-shaped strap iron member pivotally secured to the end portions of the frame diverging inner end portions, battery engaging members formed of angle iron and pivotally secured to the upper end portions of the U-shaped member, a foot pressure plate formed of T-iron and having its mid-portion bolted between the outer end portions of the frame members, and hook means for suspending the device from the rear axle of an automobile,



said hook means being pivotally secured to the frame member medially of its extremities and provided with a transverse pin to abutt against said frame member to limit the pivotal movement thereof, the entire device being arranged so that pressure on the foot plate will raise the inner end portion of the frame and the battery engaging members carried thereby to lift a storage battery from its container within an automobile.

1,516,590. BARBER'S APRON. CHARLES M. DORSEY, Baltimore, Md. Filed Dec. 4, 1923. Serial No. 678,390. 1 Claim. (Cl. 2-50.)

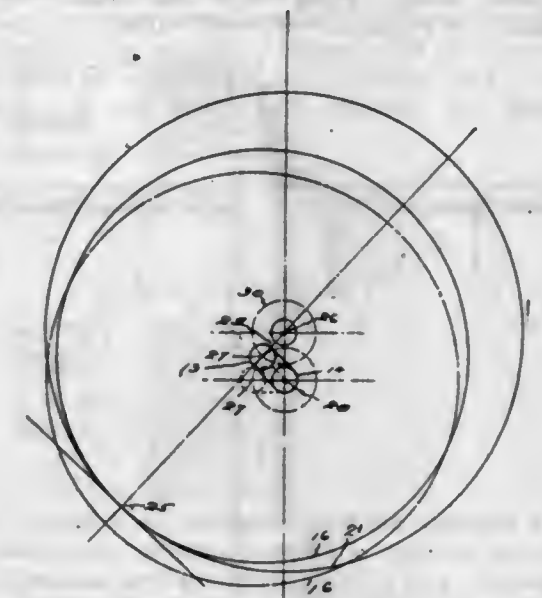


A barber's apron including an elongated base having a slit upstanding conical portion near one end and provided with a neck receiving opening, the sides of the slit being movable to lapped relation for the reception of fastening means, the apron adjacent the slit being adapted to rest on the shoulders of the wearer and incline downwardly therefrom in front of said wearer, and a continuous peripheral wall surrounding the base, said wall increasing in height from the end portion of the apron adjacent the neck to the other end thereof, angular stiffening strips each extending from under the base and up the wall and terminating upwardly adjacent the top of the wall, and a reinforced bead surrounding the top of said wall.

1,516,591. ROTARY PUMP. HARRY D. EDWARDS, Larchmont, N. Y., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,523. 10 Claims. (Cl. 230-30.)

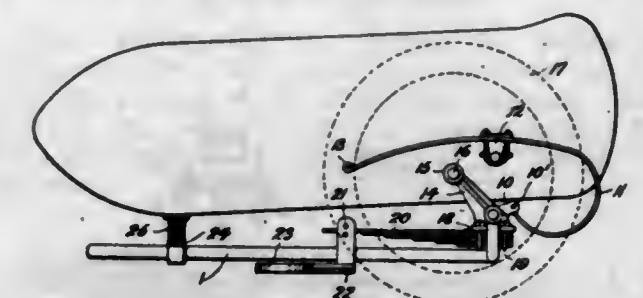
1. A rotary pump comprising a casing, a shaft journaled in the casing, an internally toothed gear mounted centrally on the shaft, an externally toothed gear eccentric within and co-acting with the internally toothed gear, and arbor for, and central with, the externally

toothed gear, and a rotatable journal for the arbor, the axes of the arbor and journal being eccentric to each other and each of said axes being eccentric to the axis of



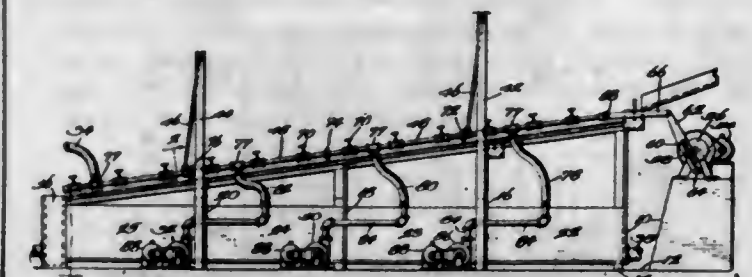
the shaft whereby by the rotation of said journal the eccentric adjustment of the externally toothed gear relatively to the internally toothed gear may be effected.

1,516,592. SIDE-CAR ATTACHMENT TO MOTOR CYCLES. JOHN ELLIS, Annandale, near Sydney, and ERNEST FOSTER EDWARDS, Burwood, near Sydney, New South Wales, Commonwealth of Australia. Filed Oct. 3, 1922. Serial No. 592,019. 4 Claims. (Cl. 208-45.)



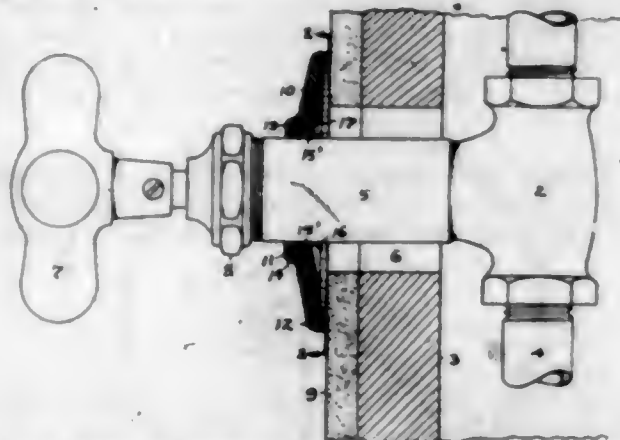
1. In a motor-cycle side-car chassis, shock-absorbing mechanism in which an oscillatory sleeve is mounted on a relatively stationary part of the chassis and provided with arms extending in three directions for connection, respectively, to the body-suspension springs, to the axle of the side-car wheel, and to one end of a leaf spring having its opposite end mounted on a relatively stationary part of the chassis.

1,516,593. METHOD OF AND APPARATUS FOR PULP WASHING. HAROLD R. EYRICH, Chicago, Ill., assignor to The Paper De-Inking Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,823. 11 Claims. (Cl. 141-12.)



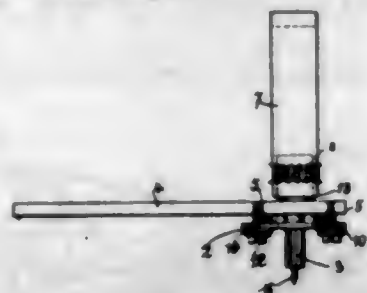
6. In mechanism of the class described, a screen over which material to be washed passes, a spray device for delivering water at spaced apart points over said screen, means reciprocating the spray device along the screen slowly in the direction of travel of the material to be washed and rapidly in the opposite direction.

1,516,594. ADJUSTABLE FLANGE FOR VALVES, BIBS, AND FAUCETS. ARTHUR I. FISCHER, Cleveland Heights, Ohio, assignor to Morris H. Glauber, Cleveland, Ohio. Filed Sept. 28, 1923. Serial No. 665,331. 3 Claims. (Cl. 137-111.)



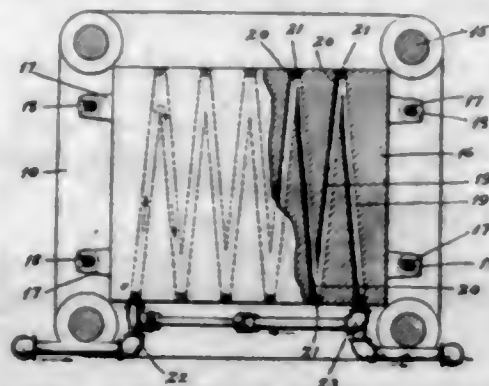
3. An annular finishing member for a water distributing device, having a central opening surrounded by a raised border, and a metal collar bearing against the front of said raised border and provided with locking projections opposite thereto and formed with integral spring tongues extending rearwardly through said central opening.

1,516,595. ELECTRICAL REPRODUCER FOR PHONOGRAPHS. PIERRE VICTOR FRELY, Paris, France, assignor to Societe des Etablissements Gaumont, Paris, France. Filed Mar. 30, 1921. Serial No. 457,148. 4 Claims. (Cl. 179-100.1.)



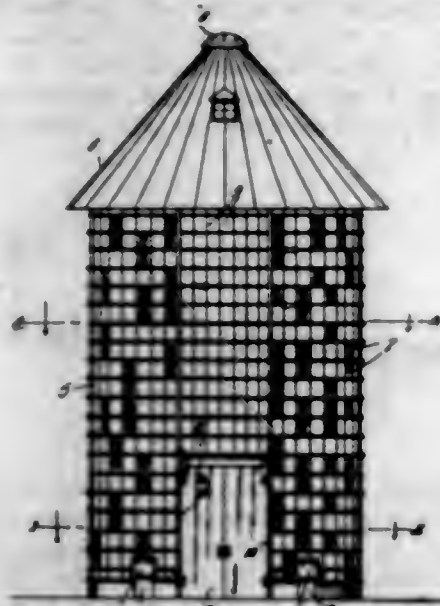
4. An improved electromagnetic reproducer for phonographs comprising an iron or smooth steel plate forming the prolongation of the stylus and having a disc connected by flexible connection to a support and arranged to oscillate between the poles of a magnet and in an inductor element, the said flexible connection comprising balls, arranged between the disc and support and screws passing through the disc with a play sufficient to permit the oscillations, and spring washers of elastic substance disposed between the fixed and movable parts.

1,516,596. HOT PLATE FOR VULCANIZING PRESSES. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 23, 1923. Serial No. 634,027. 5 Claims. (Cl. 18-17.)



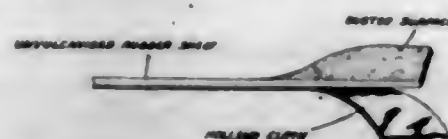
1. A hot-plate having a zig-zag fluid passage therein formed of straight courses apexing in a series of apertures at the edge of said plate, each aperture common to a pair of such courses, and means for closing said apertures.

1,516,597. DOUBLE CORNCRIB AND GRANARY. SAMUEL GRAVER, Plainfield, Ill. Filed May 5, 1923. Serial No. 636,793. 1 Claim. (Cl. 20-1.2.)



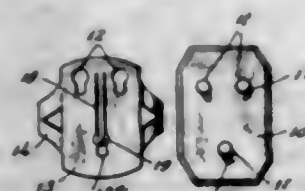
A grain crib comprising a foundation which is substantially circular in plan, an exterior wall erected upon the foundation and extending around the peripheral portion thereof, said wall being provided at its diametrically opposite sides with door openings, interior walls disposed transversely of the foundation and connected at their ends with the exterior walls at the vertical sides of the door openings, and extending the full height of the crib structure, the interior walls being bowed at their intermediate portions away from each other to provide a passageway through the structure from one door opening to the other, a floor located in the structure, and dividing the same into a lower and an upper story, the interior walls below the floor being provided with interstices and the interior walls above the floor being completely closed throughout their areas, and transverse walls located above the floor and interposed between the interior walls and spaced from each other and having their intermediate portions bowed inwardly toward each other.

1,516,598. PRINTING SHEET RUBBER. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 9, 1921. Serial No. 521,220. 6 Claims. (Cl. 18-61.)



1. The hereindescribed method of ornamenting rubber sheets which consists in removably juxtaposing a sheet of rubber and a smooth flexible backing, dusting the exposed surface of the rubber with a powder of a character which will incorporate with the rubber upon application of vulcanizing heat, applying design forming material to said dusted surface, and finally vulcanizing the article.

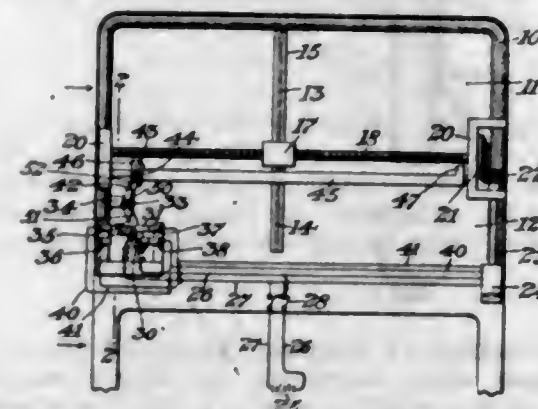
1,516,599. CONVERTIBLE WATCH. ROLAND A. GSELL, New York, N. Y. Filed May 22, 1923. Serial No. 640,714. 2 Claims. (Cl. 58-56.)



1. In a device of the class described, capable of being used as an article of jewelry and worn in any one of a plurality of positions, the combination of a supporting

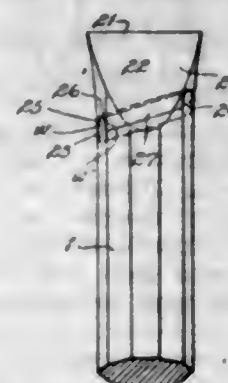
plate having slots therein provided with restricted ends and also having an elongated recess provided with an enlargement near one end thereof, a watch having projections on the back thereof formed with heads capable of engagement in said slots and the enlargement in said recess, the shanks of said projections being movable in the restricted ends of said slots, and means extending longitudinally of said recess and engageable with the head of the projection mounted in the enlargement of said recess to prevent detachment of the watch from said plate.

1,516,600. WINDSHIELD CLEANER. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Mar. 29, 1920. Serial No. 369,614. 1 Claim. (Cl. 15-253.)



A device adapted to operate on a two part windshield, comprising a wiper for each of said parts having a portion extending through the opening between the parts, a movable member positioned on the side of the windshield opposite the side having the wiper, the portion of the wiper extending through the opening being affixed and supported by said member, and means for supporting and reciprocating said member across the windshield.

1,516,601. DRILL. ARTHUR LEE HAWKESWORTH, Butte, Mont., assignor to Hawkesworth Drill Company, Butte, Mont., a Corporation of Delaware. Original application filed July 7, 1922, Serial No. 573,288. Divided and this application filed Feb. 7, 1923. Serial No. 617,617. 3 Claims. (Cl. 255-63.)

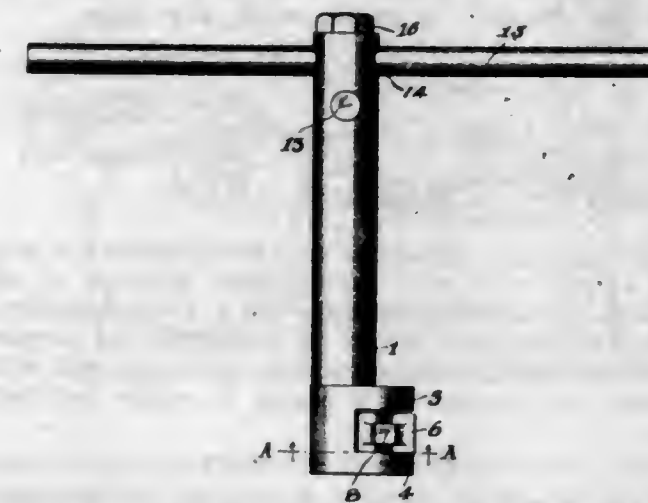


1. In combination with a drill bar or shank, a bit movable across the axis of the shank, a transverse dovetail tongue tapering in a given direction and bounding grooves tapering in the opposite direction formed on one of the members, bounding lines of the side walls of each groove lying in a common plane intersecting said grooves being substantially parallel, a corresponding dovetail groove and bounding tongues on the opposite member interlocking with the formations on the first member, the transverse engaging surfaces between the members being inclined to the axis of the shank.

1,516,602. TOOL FOR SEATING AND UNSEATING STUD BOLTS. GEORGE CLIFFORD HILL, Los Angeles, Calif. Filed Apr. 11, 1923. Serial No. 631,454. 1 Claim. (Cl. 81-183.)

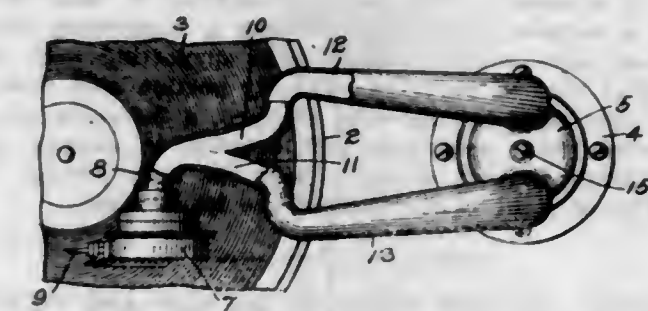
In a tool for seating and unseating stud bolts, a tubular shaft, a nut formed on one end of said shaft, said shaft being provided with a plurality of holes ex-

tending therethrough at right angles to each other and at right angles with the shaft and adjacent said nut, an adjustable rod adapted to slidably engage either of the holes for turning the shaft; the other end of said shaft being provided with spaced jaws extending at right angles thereto, the opening between said jaws extending into the bore of said shaft, an eccentric pawl mounted rotatively on an axle, held between the jaws, one



edge of the pawl when so mounted extending to the bore in the shaft and having a serrated, curved face, the other edge of the pawl provided with a handle for operating the same, the serrated portion of the pawl being eccentrically mounted with respect to the bearing axle and the bore in the shaft, for tightening against said hole when the shaft is turned in either direction after the hole is turned as desired.

1,516,603. PHONOGRAPH. AUSTIN W. HOOVER and ROBERT WINTER, Jr., Irwin, Pa., assignors to Dual-Tone Phonograph & Manufacturing Company, Manor Borough, Pa., a Corporation of Pennsylvania. Filed Nov. 12, 1919. Serial No. 337,005. 2 Claims. (Cl. 274-23.)



1. In a tone arm, an entrance passage which divides and forms separated, diverging passages, separated, substantially parallel passages which unite in a common exit passage, and a pivotal, telescoping connection between said diverging passages and said separated passages.

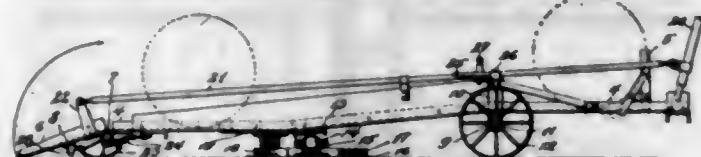
1,516,604. RETORT-ARCH CONSTRUCTION. LOUIS H. HOSBAIN, Chicago, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1923, Serial No. 630,533. Renewed Oct. 15, 1924. 3 Claims. (Cl. 110-99.)



1. In furnace construction, a combination comprising supporting walls, beams supported thereon, tile suspended from the beams in association to form a top

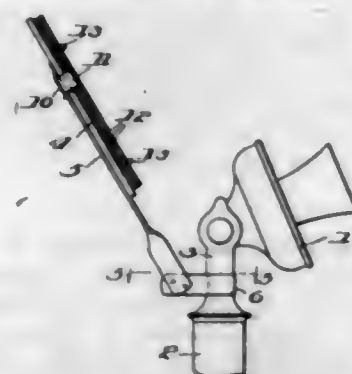
arch between the walls and an insulating cover supported on the tile and covering them and the beams, said cover affording ventilating channels about the beams.

1,516,605. **TURNTABLE.** CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed Oct. 11, 1923. Serial No. 667,807. 3 Claims. (Cl. 104-44.)



2. A turn-table embodying two side-channels; a stop-block at its front end; skid-channels mounted at the rear ends of said side-channels; and a single hand-lever mounted at the front end of the turn-table and forward of said stop-block, arranged to raise and lower said skid-channels and to serve as a handle to rotate the turn-table.

1,516,606. **TELEPHONE MEMORANDUM ATTACHMENT.** LEIGH HUNT, Chicago, Ill. Filed Jan. 29, 1920. Serial No. 354,990. 6 Claims. (Cl. 40-10.5.)



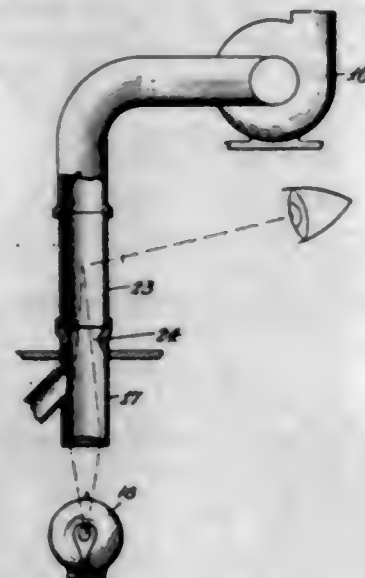
1. A telephone attachment comprising a body portion, a support therefor comprising a supporting arm, a cross piece connected with said supporting arm, an engaging part or parts on the body portion with which said cross piece is removably engaged, a fastening piece connected with said arm and adapted to engage the transmitter support so as to hold the body portion in the line of sight of the user of the transmitter.

1,516,607. **HOLLOW TURBINE BUCKET AND METHOD OF MANUFACTURING SAME.** JOHN JOHANSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 30, 1923. Serial No. 654,523. 6 Claims. (Cl. 255-77.)



1. A turbine bucket comprising curved front and back walls united along their longitudinal edges, the back wall projecting below the front wall at one end, and a plurality of base pieces between which the projecting end of the back wall is held.

1,516,608. **DETECTION OF SUSPENDED MATTER IN GASES.** WALTER KIDDE, Montclair, and BARZILLAI G. WORTH, West Orange, N. J., assignors to Walter Kidde & Company, a Corporation of New Jersey. Filed June 28, 1921. Serial No. 480,967. 29 Claims. (Cl. 88-14.)



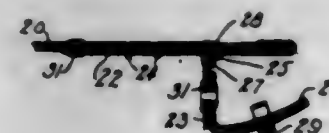
1. The method of observing suspended matter in a gas or vapor, which consists in causing a stream of gas or vapor to flow into the path of a light beam normally invisible to the observer, and observing the illuminated suspended matter from a point out of the path of the light beam, substantially as set forth.

1,516,609. **SEAL.** CONRAD KNOTH, Jr., Ridgewood, N. Y., assignor of one-half to John T. Bladen, Brooklyn, N. Y. Filed Sept. 18, 1923. Serial No. 663,379. 5 Claims. (Cl. 292-325.)



1. A seal of the class described comprising a shell adapted to enclose a knot in a cord, rope or the like and having an opening therein to receive the knot, said shell having slots therein, and a closing strip composed of easily breakable material and adapted to be inserted through said slots and then bent, for the purpose of sealing the knot in said shell.

1,516,610. **FASTENING DEVICE.** LOUIS A. LUPIN, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Jan. 10, 1924. Serial No. 686,512. 9 Claims. (Cl. 24-206.)



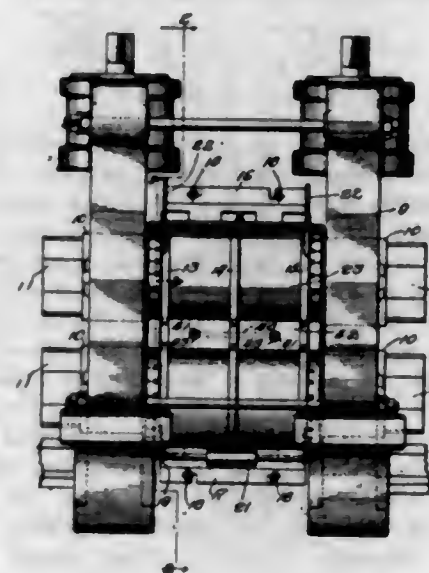
9. A fastening device comprising a keeper plate having a series of spaced openings, a member adjustably carried by said plate, and a second member movably mounted on the adjustable member and having means for interlocking engagement within the spaced openings of the keeper plate when said second member is moved in one direction and means for retaining the second member in locked position.

1,516,611. **CURTAIN STRETCHER AND DRIER.** ROBERT VALENTINE LYON, Buffalo, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 19, 1920. Serial No. 390,183. 7 Claims. (Cl. 45-24.)



1. In an apparatus for stretching and drying curtains, the combination of a frame, means for securing the main body portion of a hemmed curtain in stretched condition upon said frame, and means for securing the lap of the hem in stretched condition upon said frame.

1,516,612. **HEATING APPARATUS FOR ROLLS.** ROBERT L. MCINTOSH, Indiana Harbor, Ind., assignor to Inland Steel Company, Indiana Harbor, Ind., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,552. 9 Claims. (Cl. 80-41.)

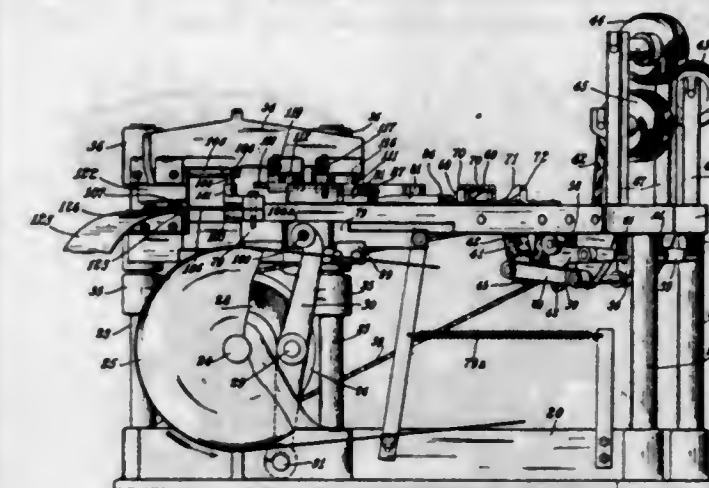


6. Apparatus adapted for heating a pair of rolling mill rolls in position in their housing, said apparatus comprising relatively movable sections adapted to be applied to the rolls from opposite sides thereof, each section comprising a supporting frame, sheet like members carried by the frame, electrical heating elements associated with the inner faces of the sheet like members, the sheet like members conforming approximately to the contour of the rolls to be heated, means adapted to secure the sections together upon opposite sides of the rolls and means adapted to flex the sheet like members to bring them more close to the roll surfaces.

1,516,613. **METHOD AND MACHINE FOR MAKING LAMINATED ARTICLES.** FRANK J. MACDONALD, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1921. Serial No. 506,030. 25 Claims. (Cl. 154-9.)

6. In a machine of the character described, the combination of means for longitudinally feeding a founda-

tion strip of sheet material, means for transversely feeding thereon the end of a second strip of sheet material, means for successively cutting off said end to leave a



series of pieces overlying the foundation-strip, and means for successively cutting off the end of the foundation-strip between said pieces.

1,516,614. **WATER GAUGE FOR AUTO RADIATORS.** HARRY G. MACLELLAN, Angola, Ind., assignor to Luther J. Sevison, Angola, Ind. Filed Oct. 21, 1921. Serial No. 500,339. 15 Claims. (Cl. 73-82.)

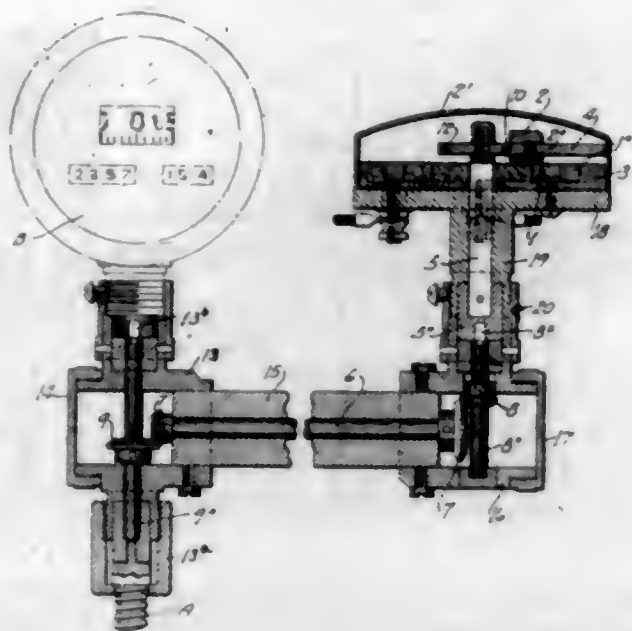


1. A dial plate, an indicator movable in co-operative relation with the dial, a base adapted to be mounted on a liquid container, a chambered neck above the base and supporting the dial plate, the chamber having small end openings and vent openings through its sides, a tube extending downwardly from the base, a float within the tube, and means passing through the end openings of the neck chamber and connecting the float and indicator.

1,516,615. **AUTOMATIC CIRCUIT-CONTROLLING DEVICE FOR POWER-OPERATED VEHICLES.** JOHN M. MEILE, East St. Louis, Ill. Filed Feb. 28, 1921. Serial No. 448,680. 4 Claims. (Cl. 175-355.)

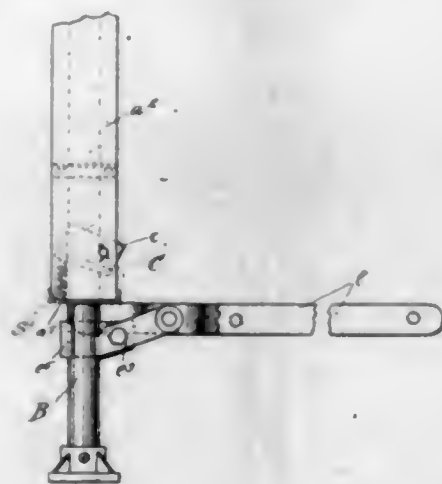
1. In a circuit controlling device for power operated vehicles, comprising a horizontally-disposed circular-shaped stationary contact arranged in a circuit that is to be controlled, a rotating shaft arranged in concentric

relation with said contact, a laterally-projecting support on said shaft arranged above said contact, a movable contact slidably mounted on said support and adapted



to co-operate with said stationary contact, and a resilient means that tends to resist the outward movement of said movable contact on said arm.

1,516,616. LIFTING JACK. GEORGE W. MEYER, Cincinnati, Ohio, assignor of one-half to Charles A. Roos, Cincinnati, Ohio. Filed June 29, 1923. Serial No. 648,482. 8 Claims. (Cl. 25-106.)

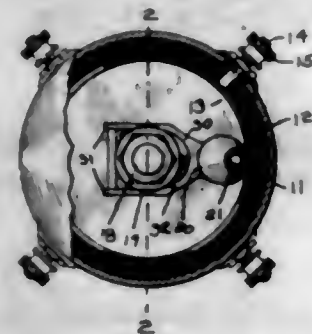


8. For use in adjusting telescopically extensible shores composed of two elements, one of which has a metal column; a removable jacking device comprising two separate gripping jaws pivoted together and adapted to impinge upon opposite surfaces of said column and hold said jack seated thereon, and a lever pivoted to one of said jaws and extended over said jaws when they are in said seating position so as to be contacted with the contiguous end of the other member of said shore to extend it.

1,516,617. CONICAL ROLLER TIMER. HENRY W. MUEHLSEN, Los Angeles, Calif., assignor to W. S. Rush & Co., Los Angeles, Calif., a Partnership consisting of W. S. Rush, E. S. Rush, and B. C. Graves. Filed Feb. 7, 1921. Serial No. 448,066. 11 Claims. (Cl. 200-26.)

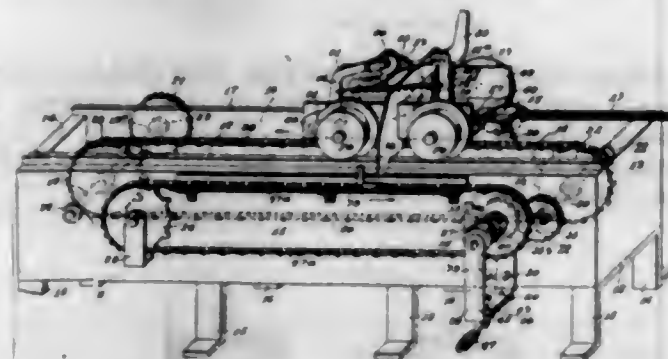
3. In a timer, the combination of a casing; a track inside said casing formed of alternate sections of conducting and insulating material, said track having an inner cylindrical contact surface; members carried on a

timing shaft which projects into center of said timer at the axis of said casing; a spindle carried by said members; a conical roller turning on said spindle; and



means for forcing said spindle away from said axis sufficiently to cause the periphery of said roller to roll on said contact surface.

1,516,618. DRAWBENCH ATTACHMENT. SALVATORE PANASHE, Waterbury, Conn. Filed Mar. 14, 1923. Serial No. 624,896. 6 Claims. (Cl. 205-3.)



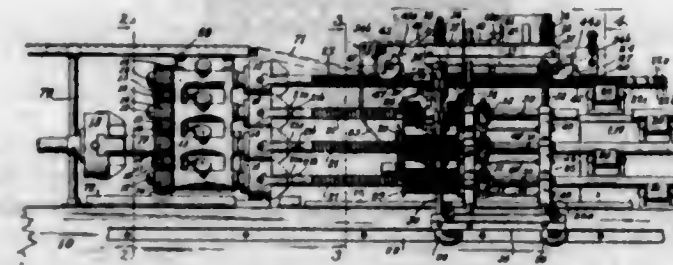
1. In a draw bench, a frame, a drawing carriage adapted to move along said frame, a pair of sprocket wheels mounted to rotate in said frame, a sprocket chain on said sprocket wheels, means to drive said chain in one direction, means on said drawing carriage adapted to be connected to any one of the links of said sprocket chain whereby the carriage will be drawn along with said chain, a gear rigidly connected to one of said sprocket wheels to rotate therewith, a second gear meshing with said first gear to rotate in the reverse direction, an auxiliary sprocket wheel adjacent said second gear and normally motionless, a clutch for connecting said auxiliary sprocket wheel to said second gear, an auxiliary sprocket chain driven by said auxiliary sprocket wheel in the opposite direction from which the main sprocket chain is driven, and means on said carriage for engaging said auxiliary sprocket chain to cause the carriage to be returned to starting position, said means being inoperative when the work to be drawn is connected to said carriage.

1,516,619. SCRAPER MECHANISM. JOHN H. PIPER, Larimore, N. Dak. Filed Mar. 28, 1924. Serial No. 702,685. 15 Claims. (Cl. 37-126.)



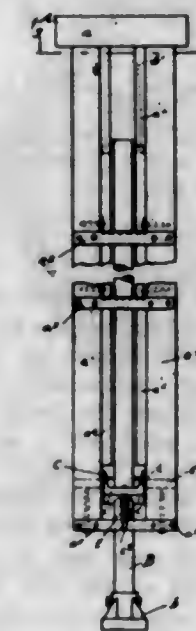
1. A scraper mechanism comprising, a frame structure tiltably supported between its ends adapted to be advanced and having front ends in lateral spaced relation, and a scraper disposed between said front ends and connected with said structure to be advanced thereby.

1,516,620. HOSE-MAKING APPARATUS. JAMES C. RANKIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 13, 1922. Serial No. 568,053. 10 Claims. (Cl. 117-39.)



1. Hose making apparatus comprising a hose mandrel, a feed-screw, means for supporting said feed-screw, and said mandrel in parallel relation and rotating them, a carriage adapted to be driven along said mandrel by said feed-screw, a wire supply spool adapted to give off wire to said mandrel and means mounted on said carriage for guiding wire from said spool onto the work, said wire guiding means including a bent tube through which the wire passes from said spool to the work.

1,516,621. ADJUSTABLE SHORE. CHARLES A. ROOS, Cincinnati, Ohio, assignor of one-half to George W. Meyer, Cincinnati, Ohio. Filed June 30, 1922. Serial No. 572,042. 2 Claims. (Cl. 248-2.)



1. An adjustable shoring device having in combination an extensible member formed of parallel bars secured in spaced relation to each other, longitudinal metal guides on the inner sides of said parallel bars, a relatively fixed member telescopically adjustable within the extensible member, having a cross head lying wholly within the enclosure formed by said bars and adapted to engage said metal guides, and means for locking said extensible and relatively fixed members in adjusted relation to each other.

1,516,622. SUSPENSION CARRIER. FLORIAN J. SHOOK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 13, 1921. Serial No. 469,169. 2 Claims. (Cl. 212-139.)

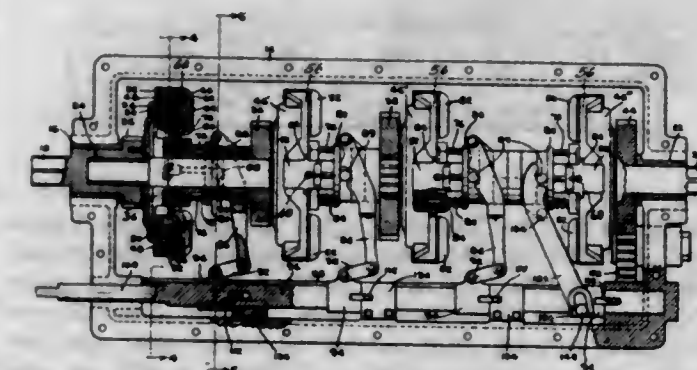
1. A suspension carrier for annular bodies comprising an overhead movable support, a member depending therefrom and adapted to swing in any direction, a lever sustained by said member in fixed oscillatory relation there-

to, said lever having a short load-carrying arm provided with a shallow, concave, load-sustaining portion for carrying an annular body directly thereon and a long handle arm, and means for locking said lever in load-sustaining position with the load-carrying arm substantially horizontally disposed, said depending member being of such



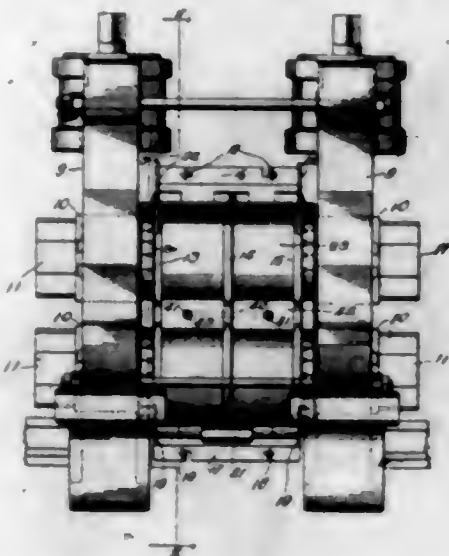
vertical length in relation to the length of said load-carrying arm and of such rigidity as to permit the transfer of the entire force of the load from the handle portion of said lever to said locking means without substantial departure of said load-carrying arm from a horizontal position.

1,516,623. TRANSMISSION DEVICE FOR MOTOR VEHICLES. JOHN H. SPANGLER, Minneapolis, Minn. Filed Nov. 5, 1923. Serial No. 672,766. 7 Claims. (Cl. 74-59.)



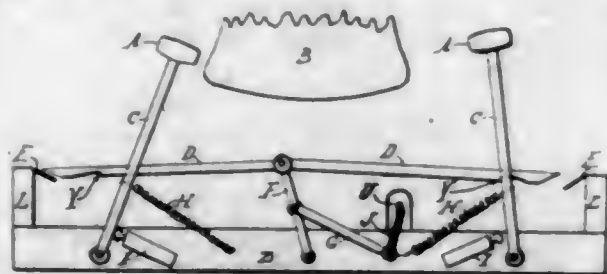
1. In a transmission device for motor vehicles, the combination of a drive shaft, a countershaft spaced therefrom, a number of gear wheels loosely mounted on said drive shaft, corresponding gear wheels secured to said countershaft and meshing respectively with said loose gear wheels, clutch drums carried by said loose gear wheels, supporting members secured to said drive shaft adjacent said clutch drums, clutch shoes movably mounted on said supporting members, means for normally holding said shoes disengaged from said drums, a slidable bar adapted to be slid by the driver, mechanism for forcing said shoes into engagement with said drums, slides frictionally engaged with said bar and adapted when restrained from movement therewith to cause said mechanism to operate, and means under the control of the driver for selectively restraining said slides.

1,516,624. APPARATUS FOR HEATING ROLLS OF ROLLING MILLS. DAVID P. THOMPSON, Chicago, Ill., assignor to Inland Steel Company, Indiana Harbor, Ind., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,549. 4 Claims. (Cl. 80-41.)



2. Apparatus for heating rolls of rolling mills, said apparatus comprising a sheet like member adapted to be positioned at the periphery of a roll and to conform approximately to the roll contour, electrical heating elements positioned upon the sheet like member for heating the rolls and means adapted for positioning the sheet like member adjacent the roll.

1,516,625. MACHINE FOR SOUNDING DANGER SIGNALS. JEREMY RUSSELL TOTMAN, Colusa, Calif. Filed May 15, 1922. Serial No. 561,176. 1 Claim. (Cl. 116-25.)

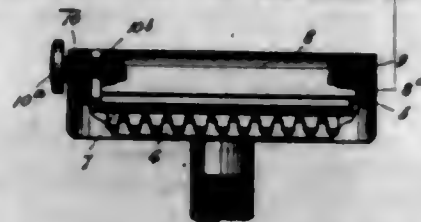


The combination in a danger signal machine of a rocking arm, two hammers with handles, each handle being fastened at the end so as to swing freely, two push-bars attached to said rocking arm, which alternately engage and disengage said hammer handles, and means for driving said push-bars backwards and forwards, said push-bars passing through a slit in said hammer handles near the middle and engaging them by means of a notch cut into the under side of said push-bars which fall by gravity when in the proper position so that said notch catches at the lower end of said slit on said hammer handles, said push-bars being disengaged from said hammer handles by their ends coming in contact with inclined planes at their extreme outward thrust, which causes them to be raised, thus allowing said hammer handles with their hammers to be freed and swing back, said hammers on said backward swing striking a bell or gong, substantially as set forth.

1,516,626. SAFETY RAZOR. JAMES ALEX DENBY WATT, London, England. Filed Aug. 6, 1923. Serial No. 636,030. 3 Claims. (Cl. 30-12.)

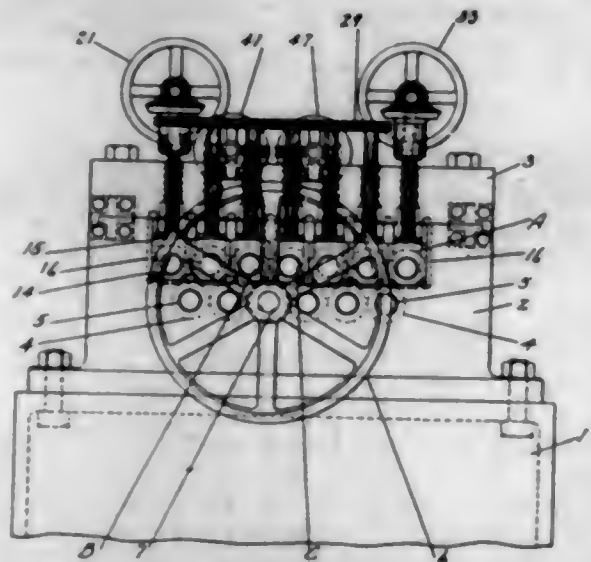
1. A safety razor having in combination a blade carrier, a razor blade pivotally mounted in said carrier, a blade guard, means for traversing the blade across the

guard and for maintaining the blade in its locked position, an inclined end on the said blade, and a correspondingly inclined face on one side of the blade carrier



adapted to abut the inclined end of the blade on the completion of the traverse of the said blade across the blade guard, whereby the blade is securely locked relative to the blade-guard.

1,516,627. LEVELING APPARATUS FOR METALLIC SHEETS AND THE LIKE. GEORGE A. WISE, Pittsburgh, Pa., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 15, 1922. Serial No. 568,508. 4 Claims. (Cl. 153-54.)



1. In a machine for leveling sheet and plate metal the combination of a machine frame, a tier of lower rolls having bearings in said frame, a tier of upper rolls mounted in vertically adjustable bearings, adjusting screws arranged to adjust the rolls of said tier vertically, means for acting upon all of said adjusting screws simultaneously to adjust the upper tier of rolls, as a unit, a roll in said upper tier adjustable in bearings tiltable in the frame, and means arranged to act upon the adjusting screw at one end of said roll independently of the other rolls of the tier for tilting said roll in the machine.

1,516,628. BOLT APPARATUS FOR DOORS AND WINDOWS. DANIEL W. BLACKWELL, San Diego, Calif. Filed Feb. 21, 1922. Serial No. 538,279. 5 Claims. (Cl. 292-39.)



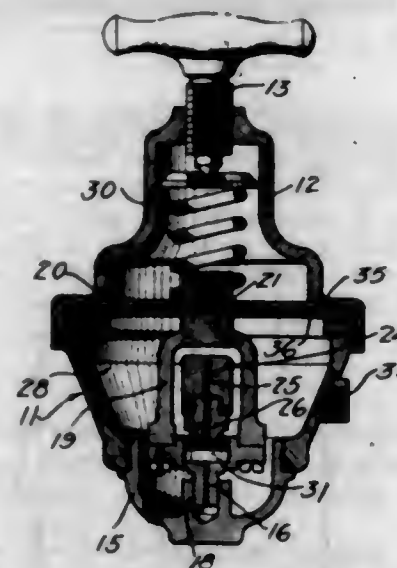
1. An apparatus of the class described, including a closure member, bolt members reciprocally mounted in the ends of said closure member, wire links connected

to said bolt members, variable length operating arms, positively engaged with each other and swivelly connected to the free ends of said wire links, and a knob pivotally mounted in the closure member operatively connected with one only of said operating arms.

1,516,629. METHOD OF VULCANIZING RUBBER COMPOSITION. ERNEST BLAKER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 1, 1922. Serial No. 540,310. 10 Claims. (Cl. 18-53.)

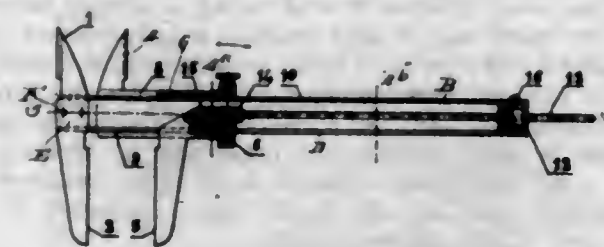
1. The process of curing a body of vulcanizable material which comprises causing a flow of heat from the surface toward the inner region of the body during the first part of the vulcanizing period and causing a flow of residual heat in the opposite direction during a sufficient part of the vulcanizing period to result in substantially equal vulcanization of all parts of said body.

1,516,630. LAMINATED DIAPHRAGM. CLARENCE J. COBERLY, Los Angeles, Calif., assignor to California Compressed Gas Corporation, a Corporation of Delaware. Filed Sept. 6, 1922. Serial No. 586,535. 7 Claims. (Cl. 137-157.)



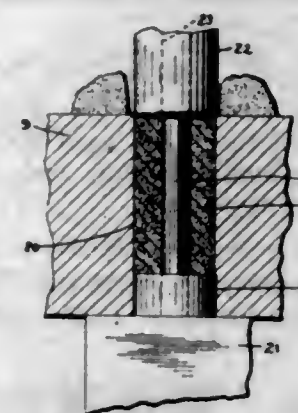
1. A diaphragm of the class described, comprised of laminations of thin sheets of metal, disposed with their fibrous structures extending relatively crosswise.

1,516,631. SLIDING CALIPERS. JOSEPH D'AUTEMARRE D'EAUVILLE, Charenton, France. Filed Jan. 12, 1922. Serial No. 528,877. 4 Claims. (Cl. 33-143.)



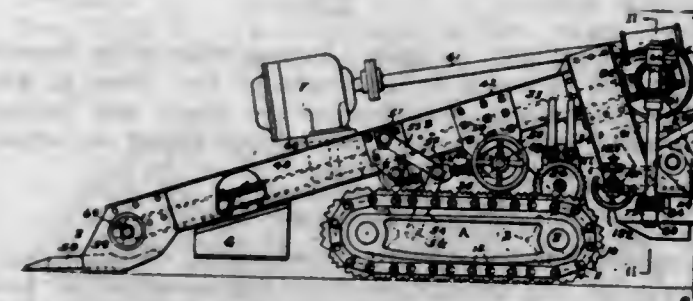
1. A sliding calliper comprising a bar having fixed jaws, one for inside and the other for outside diameters; and a slide movable on said bar and also having jaws for inside and outside diameters, said slide substantially enveloping said bar, being open on one side, and being elastic, so that by its own elasticity it frictionally grips said bar and prevents casual movement of the slide thereon.

1,516,632. METHOD OF MAKING DRY CELLS. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed June 18, 1920. Serial No. 390,020. 19 Claims. (Cl. 18-59.)



5. The method of forming a dry cell cartridge for insertion in a dry cell cup, which comprises positioning a pencil within a suitable die with a spacing member around one end of the pencil, placing the loose depolarizing material around the pencil and over the other end thereof, and tamping the material to cause it to adhere to the pencil throughout the length of the latter except for that portion which is surrounded by the spacing member.

1,516,633. LOADING MECHANISM. GEORGE F. DILLIG, Pittsburgh, Pa. Filed Feb. 17, 1919. Serial No. 277,409. Renewed May 8, 1923. 9 Claims. (Cl. 198-11.)



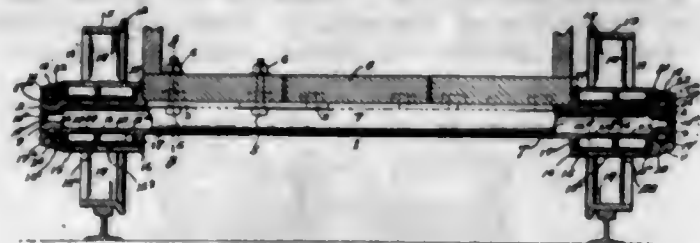
1. In a loading machine, a tractor base, a main conveyer pivoted intermediate of the length on said base to swing in a vertical plane, a shovel rigidly attached to the front end of said main conveyer, a saddle depending from the rear end of said main conveyer and in the rear of said tractor base, a yoke member pivotally mounted on said saddle to swing in a horizontal plane, and a second conveyer pivotally mounted on said yoke member to swing in a vertical plane.

4. A loading machine comprising a base, a conveyer pivotally mounted on said base to swing in a vertical plane, a second conveyer mounted on the rear end of said first conveyer and free to swing in a horizontal plane, a horizontal track supported from above by the rear end of said first conveyer, and a wheeled member moving on said track and supporting said second conveyer.

1,516,634. CAR-WHEEL MOUNTING. WALTER B. FLOYD, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a Corporation of Ohio. Filed July 11, 1921. Serial No. 483,856. 13 Claims. (Cl. 64-27.)

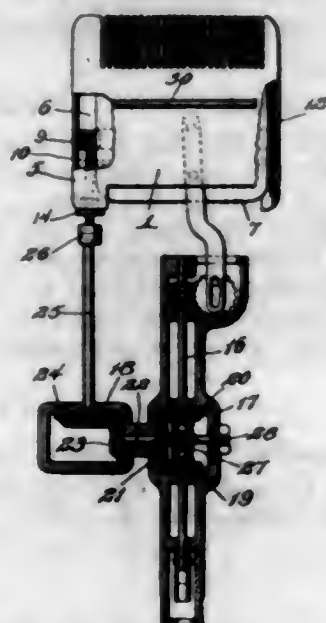
1. As an article of manufacture a hollow axle for a car having its bore extending from end to end thereof

to form a lubricant reservoir, integral wheel spindles formed on said axle and provided with lubricant delivery



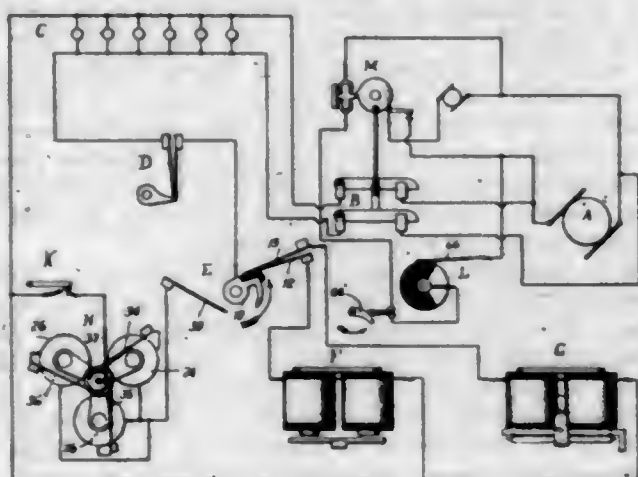
openings communicating with said bore, and integral securing lugs extending outwardly from the body of the axle between said spindles.

1,516,635. HAIR-GAUGE CLIPPER. SAM FRIEDMAN, Atlanta, Ga. Filed Oct. 19, 1923. Serial No. 669,609. 6 Claims. (Cl. 30-1.)



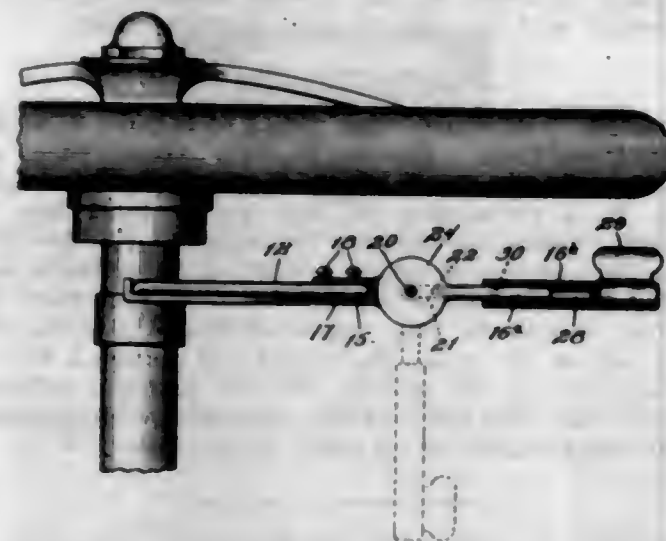
1. In a clipper, a gauge having side walls formed with slots disposed at an angle to the plane of the gauge, and means operative in the gauge and having removable connection with the clipper proper to adjust the gauge relative to the clipper.

1,516,636. TIME SYSTEM. GEORGE A. GOODSON, New York, N. Y.; Rena J. Goodson administratrix of said George A. Goodson, deceased. Filed Oct. 30, 1914. Serial No. 869,359. 23 Claims. (Cl. 58-35.)



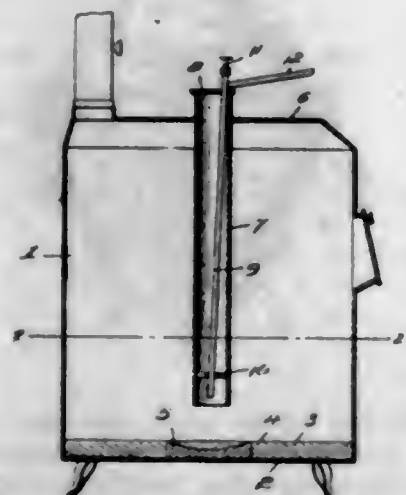
1. In a time system, the combination of a source of power, a distributing circuit connected therewith, a time indicator connected to said circuit and having synchronizing means controlled by a cessation of current flow in said circuit, a main switch between said distributing circuit and said source of power, and automatic means for momentarily opening said switch to synchronize said time indicator.

1,516,637. THROTTLE LEVER. ERNEST P. HOOVER, Wilton Junction, Iowa. Filed Mar. 15, 1924. Serial No. 699,483. 4 Claims. (Cl. 74-39.)



1. In combination with a steering wheel, a throttle control lever operating beneath the steering wheel and moving in a plane parallel to the steering wheel, comprising an inner section and an outer section connected together by a horizontal pivot, and means for yieldingly maintaining the outer section in adjusted positions upon said pivot.

1,516,638. OIL BURNER. HARRY R. JESKO, Laverne, Okla. Filed May 31, 1924. Serial No. 717,097. 1 Claim. (Cl. 158-91.)

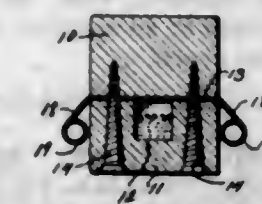


A device of the class described comprising a casing, an oil burner supported upon the bottom thereof, a cylindrical air conduit depending from the top of the casing and terminating in close spaced proximity above the center of said burner, the upper end of said conduit extending above the top of said casing, a damper mounted upon the upper end of said conduit, an oil delivery pipe, of a length substantially equal to said conduit, said oil delivery pipe extending downwardly through the conduit and terminating just above the bottom thereof, a spider mounted in said conduit, the lower end of said oil delivery pipe extending through and being centered by said spider, and an oil supply pipe connected to the upper end of said delivery pipe.

1,516,639. POULTRY PERCH. ARNO JOBE, New Richland, Minn. Filed Apr. 8, 1924. Serial No. 705,007. 3 Claims. (Cl. 119-25.)

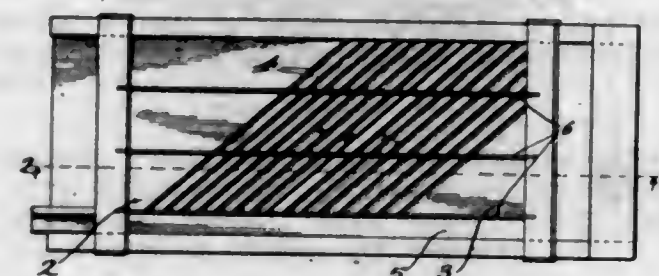
1. In combination with a fowl perch, a metallic plate abutting the under surface of the perch, a trough member abutting the under surface of the plate, securing elements extending through the perch, plate and trough member and maintaining between the plate and trough

member a fluid tight joint, and means for introducing an insecticide to the trough member, said trough member being formed of soft material permeable by the insecti-



cide, said plate being provided upon the sides thereof with flanges inclining outwardly and down wardly from the roost, said flanges being provided adjacent the perch with openings.

1,516,640. CONCENTRATOR. CONRAD M. MEYER, Los Angeles, Calif. Filed Apr. 5, 1923. Serial No. 630,026. 2 Claims. (Cl. 83-89.)

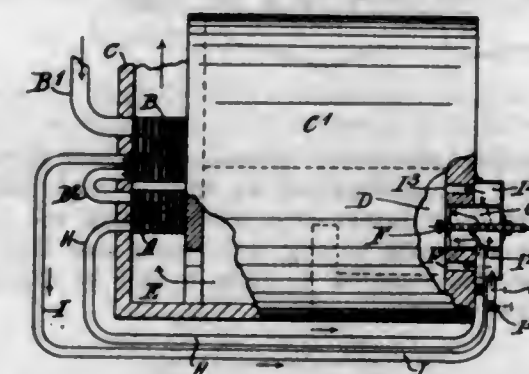


1. In combination, a stationary concentrator plate having obliquely arranged concentrating grooves of approximately semi-circular shape and means consisting of parallel longitudinal strips rigidly secured in position and resting on the top of the plate and extending parallel to the flow thereon, and forming bridges across the top of the grooves, so as to create local eddies in the streams of concentrates passing under the bridges.

1,516,641. TANNING. WILLIAM H. OCKLESTON, Bourn, and THOMAS BURNELL CARMICHAEL, Waterloo, near Liverpool, England. Filed Jan. 21, 1922. Serial No. 530,956. 2 Claims. (Cl. 149-4.)

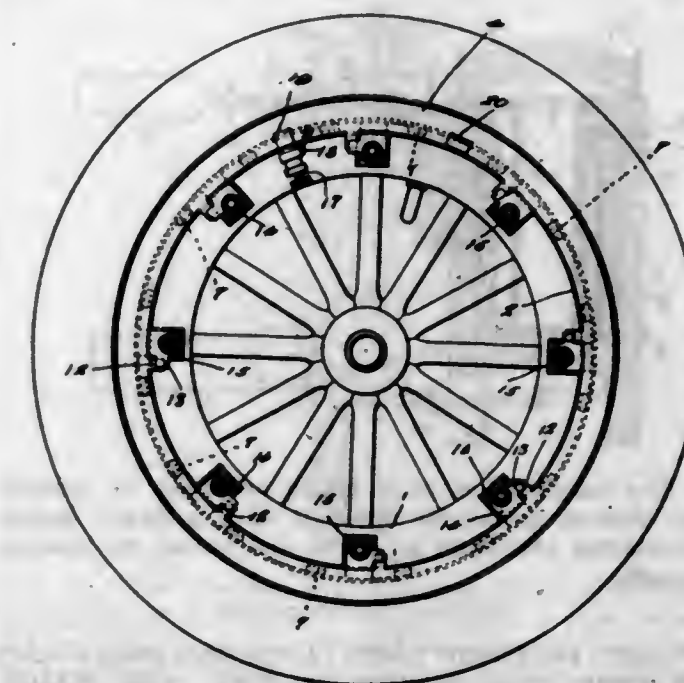
2. A process for tanning, which consists in treating de-limed hides in a mixture of equal parts of chrome liquor of substantially 20° Barkometer, and a vegetable tanning liquor of from 30° to 40° Barkometer.

1,516,642. FURNACE. WILLIAM HENRY OWEN, Wimbledon, London, England. Filed Nov. 10, 1922. Serial No. 600,166. 5 Claims. (Cl. 168-1.)



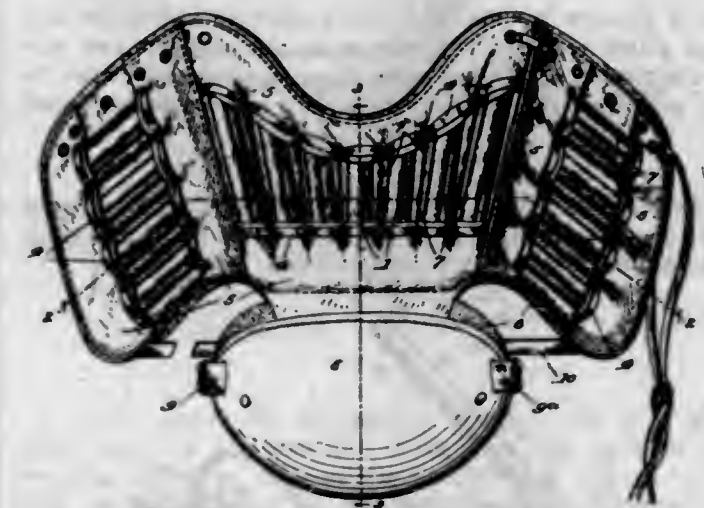
1. In an oil-fired furnace, the combination of a burner, and an air-heater heated by the waste gases from the furnace, means for supplying highly-heated air from said heater to an inner zone immediately around the burner, and means for supplying less-highly heated air from said heater to an outer zone around the said inner zone, substantially as described.

1,516,643. RIM. LEONARD B. PAUL, Omaha, Nebr. Filed Jan. 24, 1922. Serial No. 531,444. Renewed Apr. 15, 1924. 1 Claim. (Cl. 301-35.)



A rim of the class described comprising a rim section and a ring section, means for locking the sections together by a partial turning movement of the ring section and means for locking the ring section against turning movement, such means consisting of a bracket pivotally secured to the rim section, a spring pressed pin carried by said bracket and a socket in the ring section for receiving said pin.

1,516,644. SHOULDER GUARD. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed May 12, 1923. Serial No. 638,592. 10 Claims. (Cl. 2-2.)

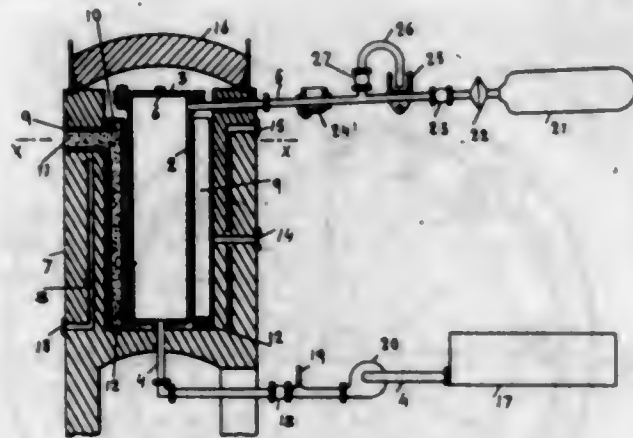


1. A guard or armour for football players and the like comprising a pad to be attached to the person, and substantially rigid stays of tubular substantially elliptical cross sectional form, and with their broader sides facing respectively inwardly against the pad and outwardly to receive the blows, and means for attaching said stays to the pad, substantially as described.

1,516,645. METHOD OF ANNEALING AND APPARATUS THEREFOR. TURE GUSTAF RENNEFELT, New York, N. Y. Filed Dec. 29, 1922. Serial No. 609,658. 16 Claims. (Cl. 148-16.)

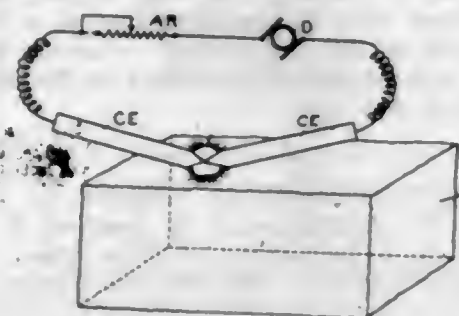
1. The method of annealing steel which consists in heating and cooling the steel while it is surrounded by a neutral gas at a pressure higher than atmospheric pres-

sure, opening an exit into the atmosphere for a part of the gas during the heating period, closing the exit and supplying an additional amount of gas during the cooling period.



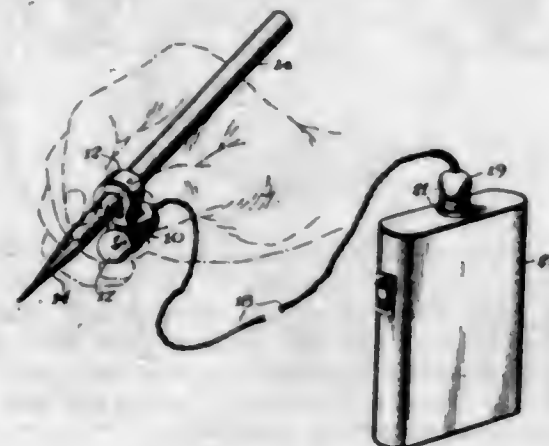
3. The combination of a muffle arranged to contain metal objects, means for filling it with a liquid, means for replacing the liquid by a gas, and means for heating the muffle.

1,516,646. ELECTRIC RESISTANCE MATERIAL AND PROCESS FOR MANUFACTURING THE SAME. PHILIP NORTON ROSEBY, Liverpool, England, assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Filed July 25, 1921. Serial No. 487,256. 11 Claims. (Cl. 219-63.)



1. A process for manufacturing electric resistance material which consists in striking an arc between two copper electrodes in contact with a mass of copper oxide to melt and fuse the same to form the resistance material.

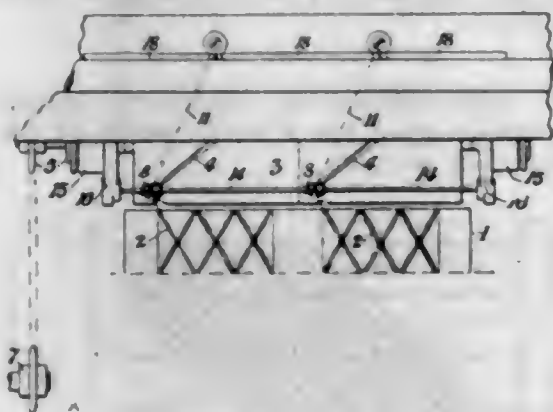
1,516,647. PENCIL-ILLUMINATING LIGHT. JOSEPH W. SAUNDERS, Pocatello, Idaho. Filed Mar. 27, 1923. Serial No. 627,878. 1 Claim. (Cl. 240-2.)



An illuminating attachment for pencils, comprising a body of rubber formed with a lateral extension having an opening therethrough adapted to receive a standard lead pencil and to grip the same frictionally whereby the body may be disposed at a desired point along the length of the pencil, a metallic threaded shell embedded within the body, a contact located at the center of the shell and embedded within the body, conductors connected directly

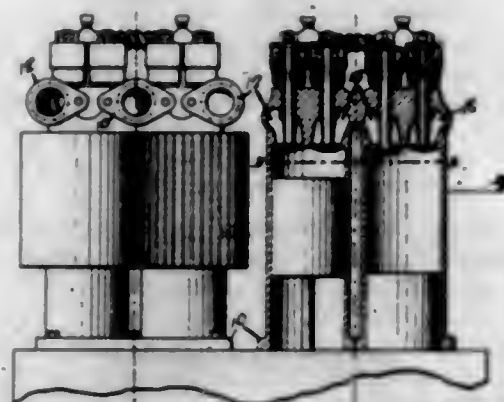
with the shell and contact respectively, and an incandescent bulb having its base screwed into the shell and engaging said contact, said lateral extension being of considerably less thickness than the body and being engageable by the thumb of an operator whereby the body may be slid along the pencil.

1,516,648. WINDING MACHINE. HANS SCHWEITER, Horgen, Switzerland. Filed Feb. 13, 1924. Serial No. 692,578. 3 Claims. (Cl. 242-43.)



1. A swift machine for cross windings comprising in combination, a rotatable swift; a drum having a driving slot; a resilient rod on the machine and a guide guided on the one hand by the drum and on the other hand by the resilient rod.

1,516,649. INTERNAL-COMBUSTION ENGINE. CHARLES R. SHORT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 15, 1920. Serial No. 417,125. 4 Claims. (Cl. 123-171.)

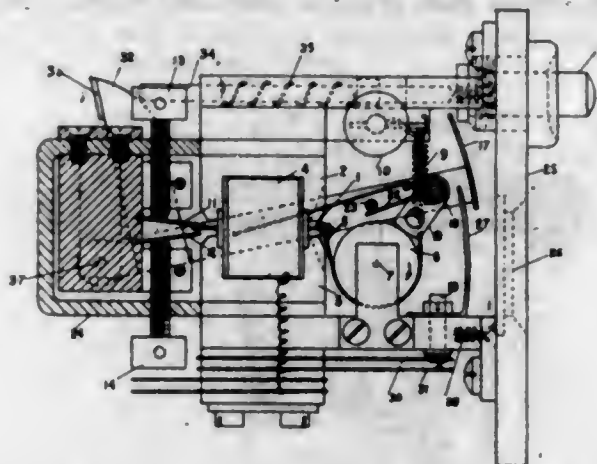


1. An internal combustion engine comprising pairs of cylinders, each cylinder having an exhaust pipe and at least one-half of an intake pipe integral with the head, the members of a pair having their bases and their intake pipes welded together to form a pair of cylinders with a common intake.

1,516,650. VIBRATORY RELAY. SIDNEY REYNELL SMITH, London, England, assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Filed Oct. 18, 1920. Serial No. 417,839. 28 Claims. (Cl. 178-98.)

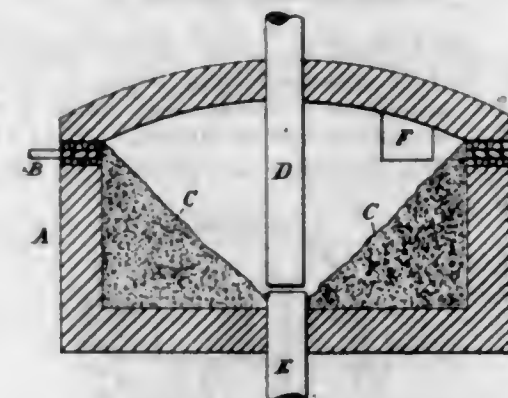
1. Means for responding to vibrations in direct accordance with their duration, comprising in combination, a vibratory member, a movable member having a metallic

surface, a flexible metallic member touching said metallic surface and a connection between said vibratory member and said movable member whereby said movable



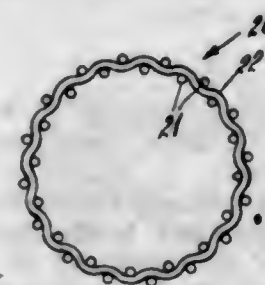
member is given a movement relative to said flexible member thereby increasing the contact resistance between them.

1,516,651. PROCESS FOR THE PRODUCTION OF ZINC IN ELECTRIC FURNACES. FILIP THARALDSEN, Christiania, Norway. Filed Aug. 15, 1922. Serial No. 582,039. 5 Claims. (Cl. 204-64.)



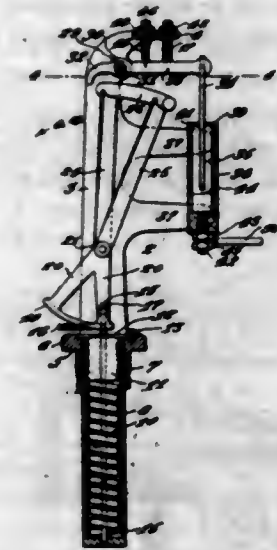
1. Process for the production of zinc in electric furnaces which comprises introducing a charge into the furnace chamber at the uppermost part of the furnace walls so as to form slopes along two or more sidewalls of the furnace chamber and maintaining a central part of the latter completely free from the charge, heating the fronts of the slopes of the charge by radiation from one or more electrical sources of heat and maintaining said slopes by introducing fresh supplies of charge at the top of the slopes and thereby distributing the fresh charge over the surface of the slopes.

1,516,652. EXPANSION SHIELD. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Apr. 9, 1923. Serial No. 630,877. 6 Claims. (Cl. 85-24.)



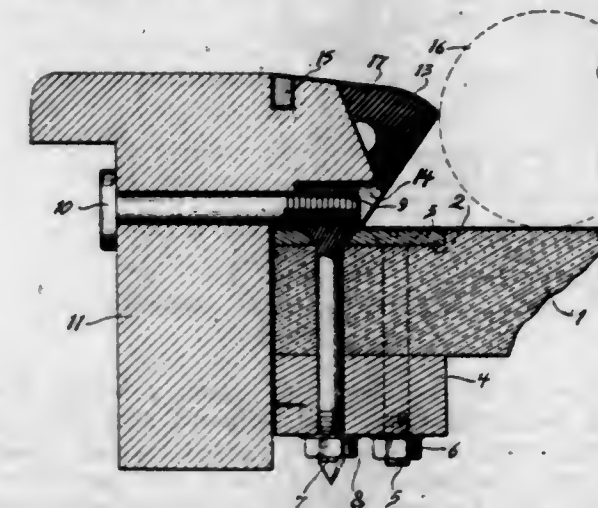
5. An expansion shield formed from a blank of woven material rolled into a tubular member.

1,516,653. THERMOSTATIC CIRCUIT-CONTROLLING DEVICE. EDGAR TREGONING, Attleboro, Mass. Filed Nov. 1, 1920. Serial No. 420,960. 10 Claims. (Cl. 200-141.)



2. In a device of the class specified, the combination of a plurality of electrical circuits, a series of cups containing separate quantities of fluid constituting the terminal of the circuits, a series of levers arranged above the cups, plungers depending from the levers within the cups, a rockable cam-lever adapted to successively operate the several levers to dip the plungers into the fluid to progressively close the circuits, and a thermostatically-controlled element for rocking the cam-lever in opposite directions.

1,516,654. GAME TABLE. THEODORE R. TREIBER, Chicago, Ill., assignor to William H. McWhorter, Chicago, Ill. Filed Jan. 18, 1924. Serial No. 687,034. 21 Claims. (Cl. 46-12.)



1. In a means for securing a cushion rail to a slate table bed the combination of cooperating cushion rail securing members and means cooperating with a vertically extending bore in the table bed for securing one of said securing members with the table bed above the same.

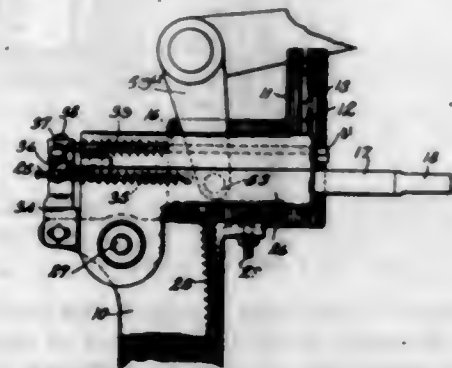
1,516,655. WELDING TORCH. PERCY WADE, Washington, D. C. Filed Sept. 12, 1921. Serial No. 499,922. 1 Claim. (Cl. 158-27.4.)



In a welding torch, the combination of a torch handle, a mixing chamber and a tip, separate gas conduits entering said handle and discharging into said mixing chamber, a valve for each conduit, said valves being separated

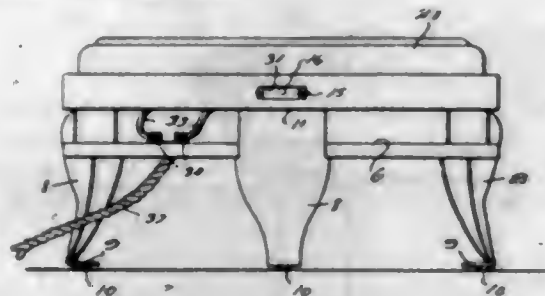
longitudinally of the handle, said handle having diametrically opposite holes adjacent the valves and of greater diameter than the valves, and a valve handle on each valve disposed in position to be manipulated by the thumb and finger of a hand grasping the torch handle the valve body proper being contained within the handle.

1,516,656. WEFT DETECTOR FOR LOOMS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1923. Serial No. 610,785. 10 Claims. (Cl. 139-271.)



1. In a weft detector for weft replenishing looms, transfer mechanism, a detector having yarn engaging parts movable relatively to each other to indicate weft exhaustion, and means operative by said transfer mechanism to move said detector bodily and prevent relative motion of the detector parts on the transferring beat of the loom.

1,516,657. ELECTRIC HEATER. HENRY A. ZIOLA, Cleveland, Ohio, assignor, by mesne assignments, to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Filed Feb. 27, 1922. Serial No. 539,395. 11 Claims. (Cl. 219-43.)

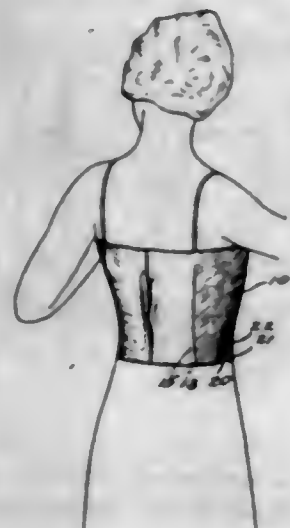


1. In an electric heater, a top plate, a bottom plate having a depending flange and adjacent apertures, and legs having upwardly projecting spaced tongues passing through the apertures of said plate and providing a supporting seat for said flange in abutting engagement with the legs, the upper portion of said legs being adapted to interlock with the top plate.

1,516,658. BRASSIÈRE. ABRAHAM ZWIEBELSON, New York, N. Y. Filed Oct. 19, 1922. Serial No. 595,501. 5 Claims. (Cl. 2-42.)

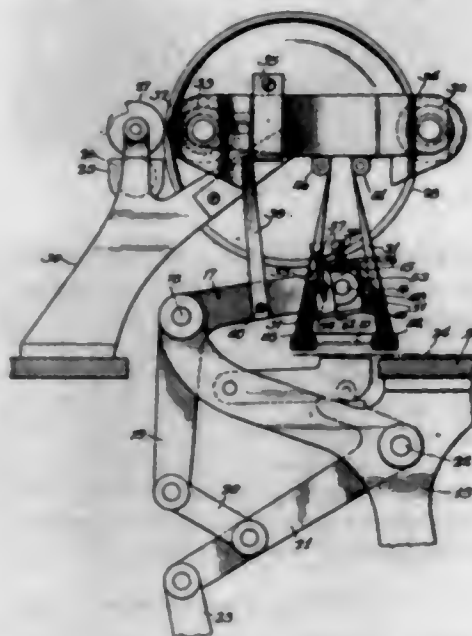
5. As a new article of manufacture, a brassière including a body member consisting of a single length of inelastic material having its opposite ends inwardly folded and provided with interengageable means at said ends for maintaining the same in encircling relation on the wearer's body, vertical plaits formed in said body member adjacent its opposite ends, parallel vertical plaits formed in the medial front portion of the body member, obliquely crossed elastic strips having their opposite ends secured between the inner folds of said last mentioned plaits to lie within the body member to normally form a slack section at said medial front portion, the lower edges of the body member having V-shaped notches formed therein at each side of said front portion, elastic

gussets in said notches, a non-elastic strip connected to the inner edges of said notches and extending across the said front portion within the body member, and an elastic strip secured at its opposite ends within the inwardly folded ends and the inner fold of the vertical



plait adjacent said ends at the medial rear portion, all of said elastic elements serving to set up a combined contractive action in various horizontal planes for properly encasing and supporting certain organs of the body of the wearer.

1,516,659. ATTACHMENT FOR ADDRESSING MACHINES. RAY C. ANDERSON and PAUL A. GOLLNICK, Chicago, Ill., assignors to Spiegel May Stern Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1924. Serial No. 686,766. 12 Claims. (Cl. 101-48.)



5. In an addressing machine, the combination of a movable platen operable to make an impression from a stencil, an inking ribbon, and means cooperating with the ribbon and movable with the platen for recording the operation upon the stencil.

1,516,660. AIR BRUSH. WILLARD C. BEACH, Newark, N. J. Filed June 16, 1922. Serial No. 568,686. 6 Claims. (Cl. 91-45.)

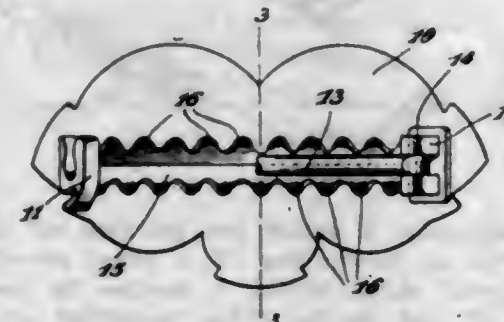
1. An air brush comprising a unitary frame consisting of a handle and a body, said handle having an air inlet, a valve controlling the passage of air therein, a barrel fixed in said body and having a discharge nozzle near its outer end, a material inlet communicating with said nozzle, an air duct leading from said valve to said nozzle, a plunger slidable in said barrel adapted to close the

material passage to said nozzle, an adjustable cap on the opposite end of said body, means in said cap to limit the outward movement of said plunger, a trigger pivoted in said handle adapted to open said air valve, and an L shaped slide contained wholly within said frame and actuated by said trigger for retracting said plunger subsequent to opening said valve.



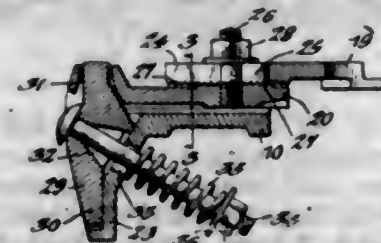
5. An air brush comprising a handled body, a material inlet thereon, an air inlet in the handle portion of said body, a valve for each of said inlets, a nozzle for discharging commingled air and material, means for manually controlling the area of said material inlet, and a single means wholly concealed in said handle for progressively opening said air and material valves.

1,516,661. BARRETTE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Sept. 10, 1924. Serial No. 736,867. 3 Claims. (Cl. 132-48.)



1. In a barrette, in combination, a base, two rows of teeth in angular position with respect to each other, the teeth of one row being staggered with respect to the teeth of the other row and a pivotal semi-rigid tongue capable of placement between the two rows of teeth.

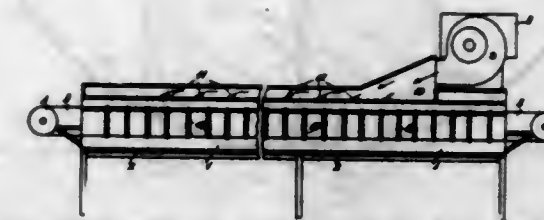
1,516,662. COMPRESSOR-JAW MOUNTING FOR BARREL MACHINES. EDWIN F. BEUGLER, Buffalo, N. Y., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y., a Corporation of New York. Filed Oct. 5, 1922. Serial No. 592,456. Renewed Sept. 27, 1924. 5 Claims. (Cl. 147-4.)



1. In a machine of the character described, the combination with a pair of compressor arms arranged to encircle a barrel, of a radially movable jaw mounted on

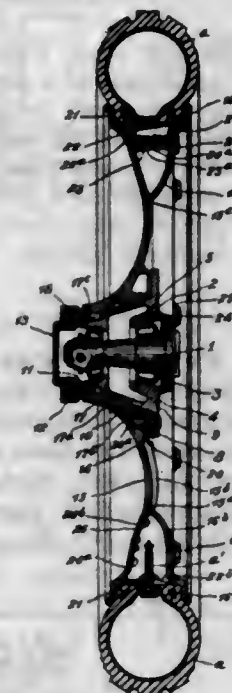
each of said arms, and a member fulcrumed on the respective compressor arm and operatively connected to said jaw for yieldingly resisting its movement in one direction.

1,516,663. APPARATUS FOR DRYING SHEETS OF EDIBLE GELATIN. WILLIAM KEIR BEVERIDGE, Warwick, England, assignor to George Nelson, Dale & Company, Limited, Warwick, England. Filed Sept. 14, 1923. Serial No. 662,783. 5 Claims. (Cl. 34-12.)



5. Apparatus for drying sheets of edible gelatin held in frames, comprising a tunnel, parallel endless bands for carrying the frames traversing said tunnel, pulleys supporting said bands mounted at the ends of said tunnel, an air heater mounted on said tunnel, an air fan supplied by said heater mounted on said tunnel, a slotted air distributor mounted on said tunnel, baffles mounted in said distributor for directing air in a series of jets through the slots to the interior of said tunnel.

1,516,664. WHEEL. MERTON H. BLANK, Cleveland, Ohio, assignor, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 18, 1920. Serial No. 424,817. 7 Claims. (Cl. 301-53.)



4. In a metal vehicle wheel, the combination of a disc-like body member, a separate annular member having its inner part formed to abut against the rear side of the body member, one of said members being formed with a tire-supporting rim, and means for detachably securing said members together so as to form for the outer part of the wheel an annular box-like structure.

1,516,665. TABLE-SPREAD HOLDER. ROBERT A. BLUNCK, Grand Mound, Iowa. Filed Oct. 19, 1922. Serial No. 595,625. 4 Claims. (Cl. 45-75.)

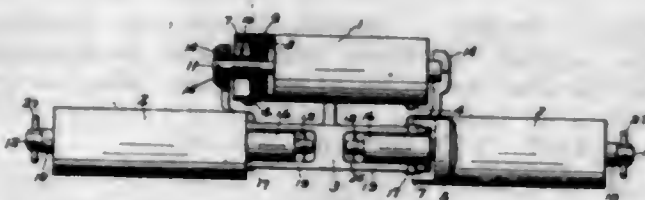
1. A device of the class described including opposed upstanding frames, resilient angular arms extending outwardly from the frames, inwardly offset cross members connecting the arms on each frame, said arms and cross members operating for engagement with the edge of a

table to support the frame in upstanding position inwardly from the edge of the table, supporting loops pivotally connected to the frames and bridging the space



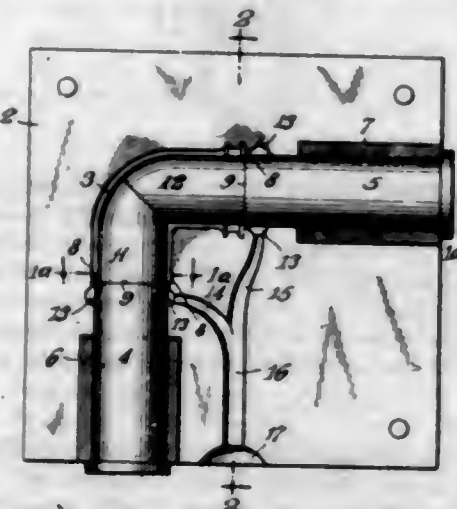
therebetween, and stops carried by the loops and cooperating with the frame for supporting the loops in substantially horizontal position at opposite sides of the frames.

1,516,666. BELT-SUPPORTING IDLER. ROBERT E. BRIGGS, Columbus, Ohio, assignor to The Jefferey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed July 28, 1921. Serial No. 487,640. 22 Claims. (Cl. 198-192.)



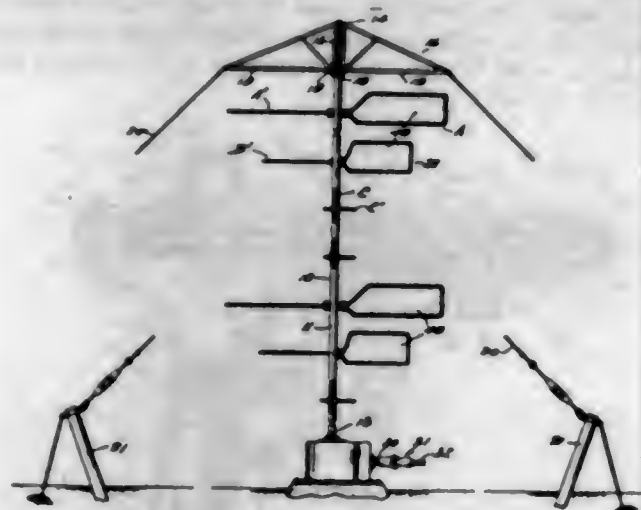
1. In a mechanism of the class described, the combination with a supporting frame, of a pivot member having trunnions removably supported in journal bearings of said frame, a spindle carried by said pivot member and extending transversely of said trunnions, means to hold said pivot member in either of a plurality of adjusted positions about the axis of said trunnions, and a pulley rotatably mounted on said spindle as and for the purpose set forth.

1,516,667. DIE FOR PRESSURE CASTING. GEORGE WALDEMAR BUNOAY, Brooklyn, N. Y., assignor, by mesne assignments, to Aluminum Die-Casting Corporation, Garwood, N. J., a Corporation of New Jersey. Original application filed Apr. 20, 1917, Serial No. 163,405. Divided and this application filed May 23, 1917. Serial No. 170,388. 9 Claims. (Cl. 22-155.)



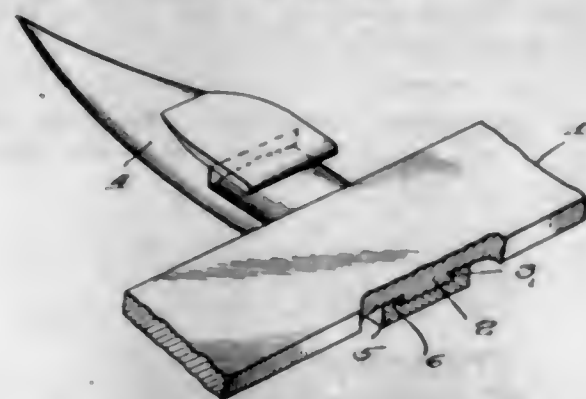
1. A die for pressure-casting having a tubular mold cavity and a flow conduit leading into the annular end thereof through a gate-structure formed to mold a reduced sprue section on the annular end of a tubular casting.

1,516,668. WINDMILL. FREDERICK R. BURCH, Seattle, Wash. Filed June 4, 1923. Serial No. 643,247. 13 Claims. (Cl. 170-27.)



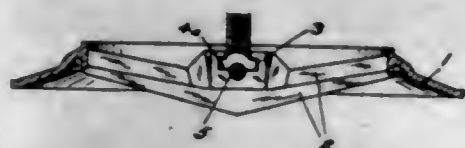
1. In a windmill of the character described, an upright shaft, wings revolvably carried thereby, gimbal supporting means provided at the lower end of the shaft and means supported by the shaft above said wings for retaining the shaft in a substantially vertical position.

1,516,669. CUTTER BAR AND GUARD FOR MOWING MACHINES OR THE LIKE. EMMETT PRICE CARPER, Fordwick, Va. Filed Feb. 17, 1923. Serial No. 619,749. 1 Claim. (Cl. 56-207.)



In combination, a cutter bar provided on its under surface with an outstanding rib, a guard provided with a shank, said shank having a mortise to receive the rib, said rib and mortise being dovetailed, and a lug carried by the under face of the rib, said lug having frictional contact with the base wall of the mortise, the outer end of the base wall of said mortise being inclined to provide a cam surface with which the lug directly coacts.

1,516,670. DETACHABLE VALVE STEM. JOHN A. CARR, Los Angeles, Calif., assignor to Martin Iron Works, Los Angeles, Calif. Filed Aug. 24, 1921. Serial No. 495,063. 1 Claim. (Cl. 287-124.)



In a device of the character shown and described a ring-like base member with a cross member from one side to the other, said cross member dipping in its middle portion and having a recess in its upper edge of substantially inverted T-form, a valve stem having a T-shaped head and being of substantially the same thickness of said cross member and adapted to have its head inserted sidewise into said recess from either side thereof, and a bolt member inserted through said recess be-

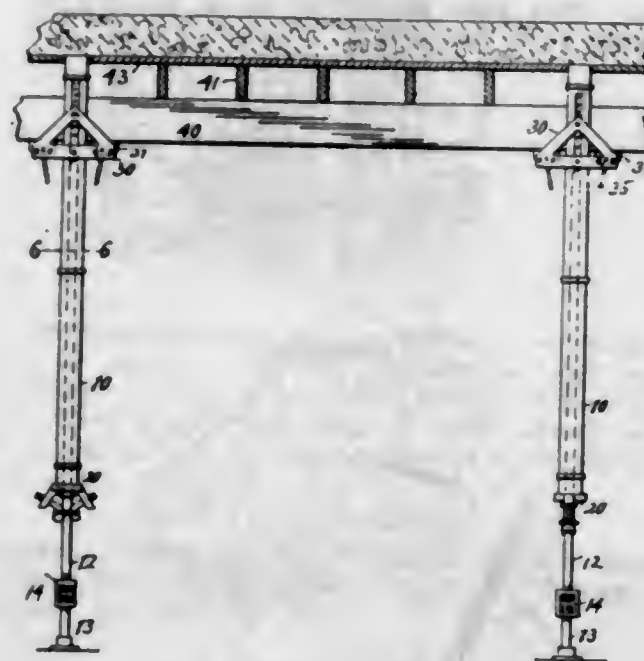
tween the bottom of the recess and the bottom end of the stem, said bolt having means at its opposite ends to prevent said stem from being moved out of place while the bolt member is in place.

1,516,671. SHUTTLE TIP. JOHN A. D'ARCY, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed June 19, 1924. Serial No. 720,965. 2 Claims. (Cl. 139-196.)



1. A shuttle having a wooden body portion, a steel tip provided with a shank having a pyramidal end driven into the wood of the shuttle body and by reason of its nonround form held from rotation in the shuttle body, and a fibre washer between the base of the head of the shuttle tip and the end of the shuttle body being in compressed condition so that by its elasticity it may expand and contract under varying conditions of humidity, the holding of the tip from rotation and the elasticity of the washer preventing the opening of a crack between the head of the tip and the shuttle body.

1,516,672. ADJUSTABLE SHORE POST. ETHAN W. FRANZ and SIDNEY TATZ, East Cleveland, Ohio. Filed July 14, 1921. Serial No. 484,560. 7 Claims. (Cl. 248-3.)

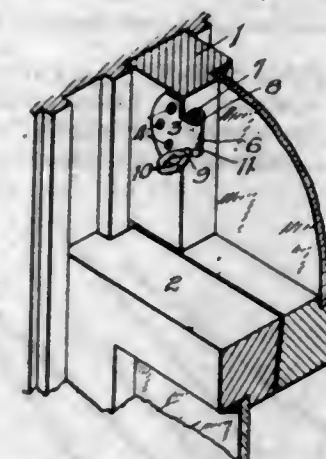


1. In a false work support for use in erecting concrete structures the combination with an extensible shore post provided with means for extending the same and for exerting end thrust upon floor and ceiling members between which the post is positioned, of a joist hanger carried by the post adjacent its upper end, said joist hanger having a vertically adjustable seat.

1,516,673. SLIDING-WINDOW-SASH LOCK. MICHAEL HANISKO, Witt, Ill. Filed Mar. 20, 1924. Serial No. 700,702. 2 Claims. (Cl. 292-202.)

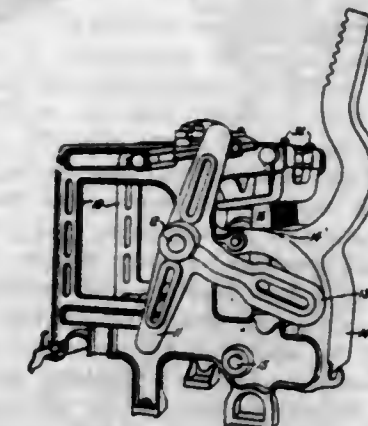
1. A sash lock consisting of a plate fixed to one of the side rails of an upper sliding window sash, a sleeve integral with said plate having a recess in its lower

edge, a sash stop member comprising a screw threaded shank receivable in the sleeve and disposed in a vertical position, a shoulder extending from the lower end of



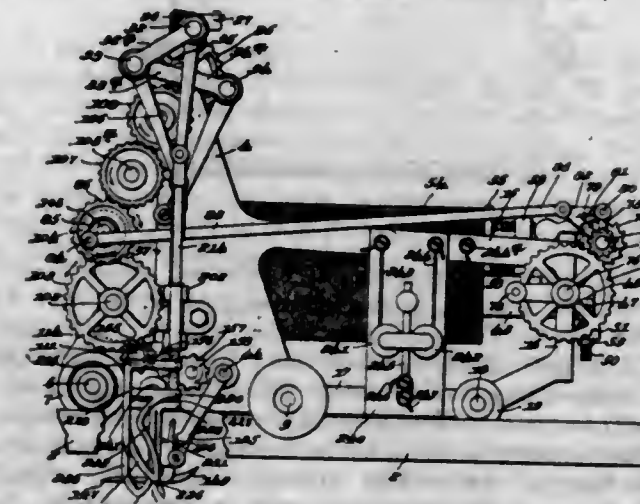
said shank, a head terminating from said shoulder and a securing nut for said shank for locking the stop member in or out of operative position.

1,516,674. SEPARATOR FOR DOBBY LEVERS. CARL J. LINDEGREN and GEORGE J. PREIFFER, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1923. Serial No. 669,183. 5 Claims. (Cl. 139-74.)



1. In a dobby, cross girts, dobby levers with forked ends positioned by said cross girts, and spacers secured to each of said girts and having fingers lying between the levers, said fingers lying between the central portions of said levers and the forked ends thereof.

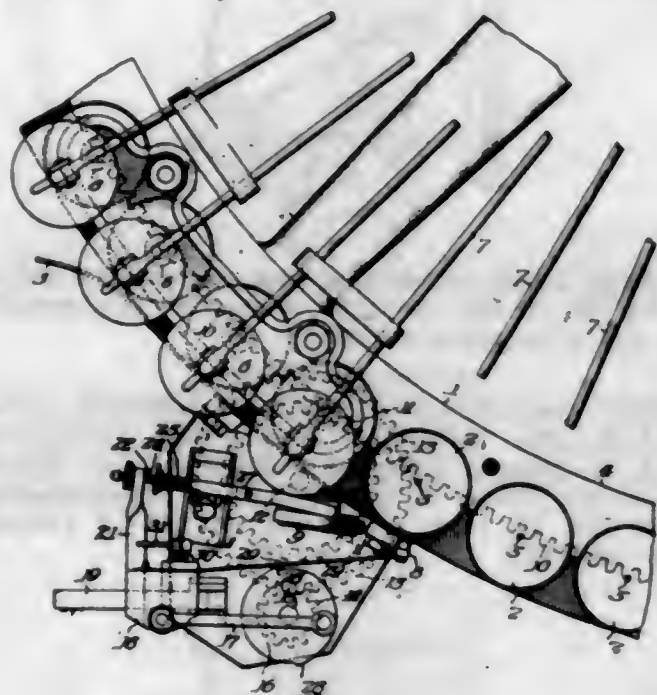
1,516,675. WARP-STOP-DETECTOR-APPLYING MECHANISM. SEBASTIANO MAGNANO, Lawrence, Mass., assignor to Magnano Corporation, Lawrence, Mass., a Corporation of Massachusetts. Filed Jan. 11, 1921. Serial No. 436,442. 75 Claims. (Cl. 28-41.)



1. In a machine for manipulating detached warp engaging elements, a magazine for such elements, reciprocating means for initiating movement of said elements

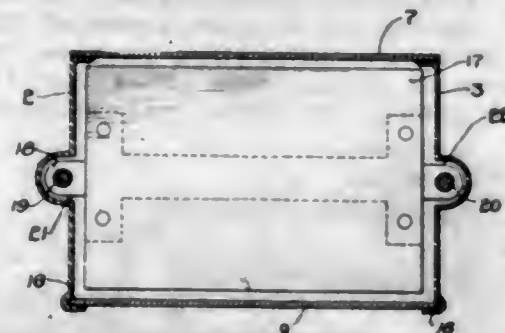
one by one from said magazine along a substantially rectilinear path, and means for continuing the movement of said elements along said path into warp engaging position.

1,516,676. STAMPING MEANS. CHARLES E. MALLORY, Waupun, Wis., assignor to Libby, McNeill & Libby, Chicago, Ill., a Corporation of Maine. Filed Mar. 8, 1922. Serial No. 541,925. 11 Claims. (Cl. 101-44.)



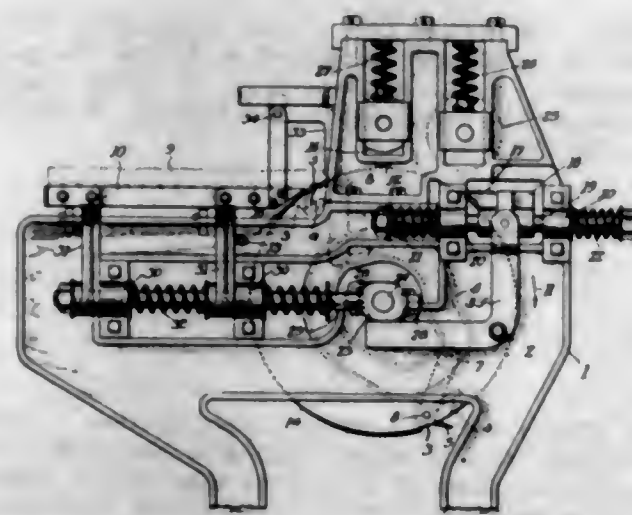
1. In combination, non-intermittent conveying means, movable stamping means, resilient means for mounting said stamping means and biasing same to a position away from its stamping position, linking means, and means operating in timed relation with said conveying means for moving said stamping means alternately to a position in proximity to said linking means and to a second predetermined position and for operating said stamping member with a snap movement when in said positions and permitting the withdrawal of said stamping means by said resilient means with a snap movement.

1,516,677. VENDING MACHINE. ORVILLE MARKEL, Chicago, Ill. Filed Dec. 12, 1919. Serial No. 344,454. 13 Claims. (Cl. 211-8.)



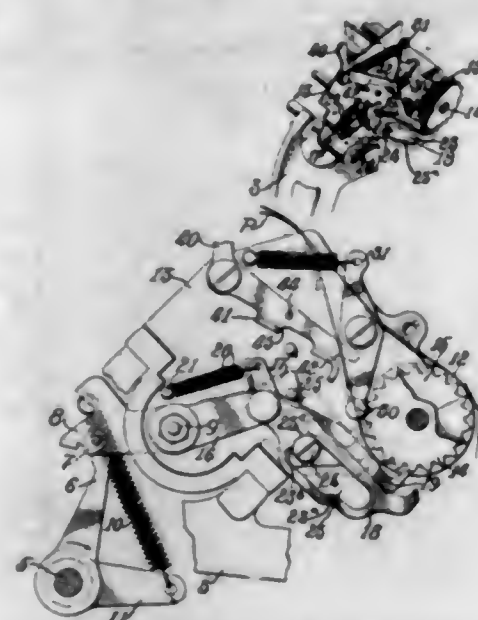
1. In a vending machine, an operating shaft, a pair of revoluble screws, a carrier mounted upon said revoluble screws for movement into article discharging position, a pair of bevel gears fixed upon said operating shaft, cooperating bevel pinions fixed upon said revoluble screws, an article discharging shaft and driving connections between said operating shaft and said article discharging shaft, said driving connections permitting rotation of the operating shaft in one direction independent of the article discharging shaft, rotation of the operating shaft in the opposite direction driving said article discharging shaft.

1,516,678. REMOVING SKINS FROM PORK BELLIES. GEORGE MORRISON, Denver, Colo., assignor to Swift & Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1924. Serial No. 722,968. 5 Claims. (Cl. 146-130.)



1. The method of removing skins from pork bellies, consisting in gripping the thick edge of the skin and drawing the belly sidewise and to cause a knife to enter the belly at the thick edge of the skin, and then producing a relative motion between the knife and the belly in order to straighten out wrinkles in the skin and remove the bacon therefrom.

1,516,679. RECORDING MACHINE. ROBERT L. MULLER, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed June 21, 1920. Serial No. 390,300. 5 Claims. (Cl. 197-127.)



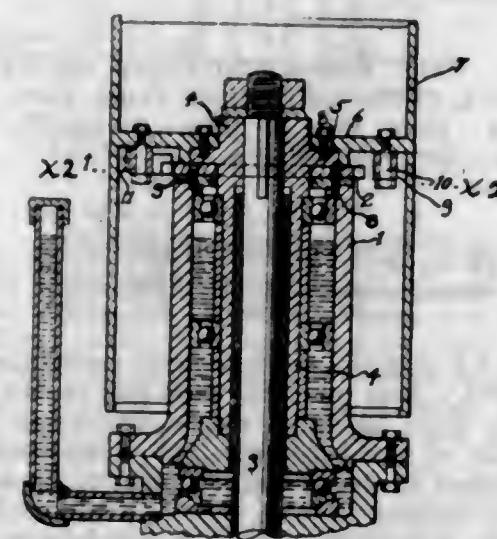
1. In a recording machine, the combination of a roller platen having reversely related ratchet wheels; a rock shaft with crank arms; pawls pivoted on said arms respectively; springs applied to the pawls; and means for rocking the shaft, one of said pawls adapted to turn the platen backward during the initial stroke of the rock shaft, and the other pawl adapted to turn said platen forward and twice as far during the return stroke of the rock shaft; with provisions for disengaging the pawls from the ratchets at the ends of their respective platen-turning excursions and also for disengaging one of said pawls from its ratchet at the end of the idle excursion of said pawl.

1,516,680. TELEPHONE RECEIVER. EARL P. OSWALD, Detroit, Mich. Filed July 7, 1922. Serial No. 573,265. 3 Claims. (Cl. 179-119.)



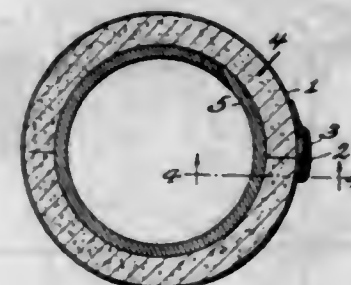
1. In a telephone receiver, a permanent magnet, extensions for each pole thereof each comprising a U-shaped member, the legs of one member lying substantially in the same plane as the legs of the other and in spaced relation providing a hollow core for the coil, a coil wound on the said core, an armature in the hollow core, and a diaphragm connected at its center with the armature.

1,516,681. ANTIREVERSING PUMP HEAD. FENN H. PALMER, Los Angeles, Calif. Filed Feb. 5, 1921. Serial No. 442,866. 8 Claims. (Cl. 103-111.)



4. The combination in a pump having a revolving impeller, of means to revolve the impeller, and means arranged to normal engagement to prevent reverse movement of the impeller, and adapted to be thrown out of such engagement by centrifugal force at a predetermined speed of the impeller.

1,516,682. METALLIC TIE. JOHN A. PEABODY, Seattle, Wash. Filed Jan. 10, 1924. Serial No. 685,487. 1 Claim. (Cl. 24-20.)



A flat sheet metal body, comprising a narrow elongated flexible strip wings projecting laterally from one terminal of the body, the projection of each wing beyond the body being substantially equal to the width of the strip forming the body, the body being adapted to be

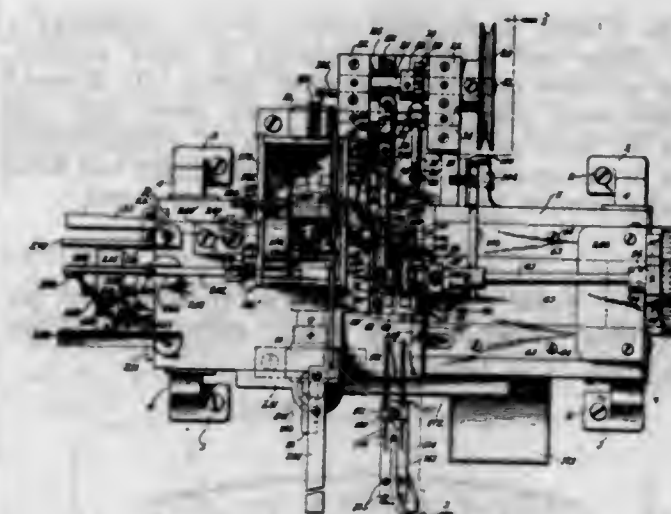
passed around the object to be bound, the wings to be bent over so as to embrace the opposite end, and said opposite end of the body then bent backwardly over the ears to form a lock, the free end projecting a relatively large distance beyond the wings when the parts are in locked position.

1,516,683. FRUIT TAPPING AND CORING UTENSIL. JOHN JAY PHARR, Cleveland, Ohio. Filed Sept. 2, 1924. Serial No. 735,506. 2 Claims. (Cl. 146-3.)



2. In a fruit tap, a central piercing and severing blade in combination with convoluted lateral cutting blades, and thumb-piece to actuate the entire device.

1,516,684. NEEDLE-STRAIGHTENING MACHINE. MAXWELL L. REIDINGER, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 5, 1921. Serial No. 466,872. 42 Claims. (Cl. 153-39.)

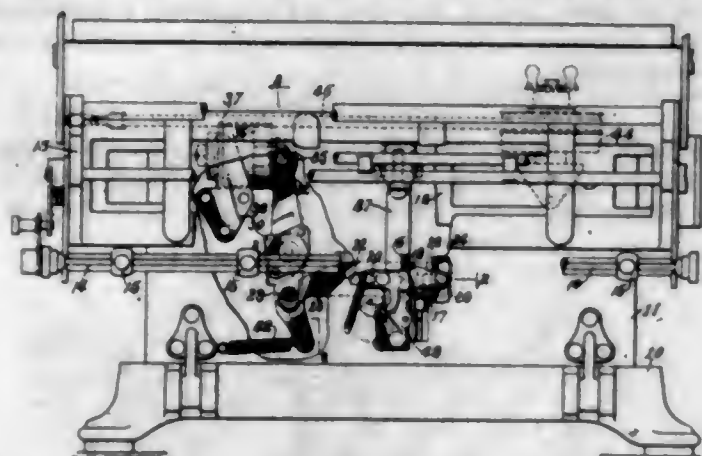


1. In a straightening machine, in combination, an impact-straightener, a needle-support, means for producing relative feeding movements between the straightener and the needle-support during a straightening operation and for restoring the initial relation between them after the straightening operation is completed, and means for supplying a needle to said support while the elements are in initial straightening relation.

1,516,685. SHOCK ABSORBER FOR PAPER CARRIAGES. FRANK C. RINSCHKE, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 10, 1921. Serial No. 506,701. 13 Claims. (Cl. 197-176.)

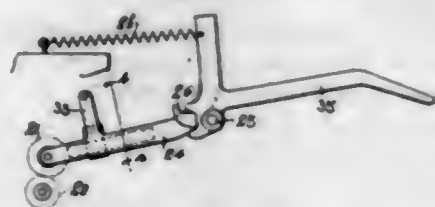
7. In a machine of the class described, the combination of a laterally shiftable carriage, tabulator stop mechanism therefor comprising cooperating parts, a dash-pot, comprising a cylinder and piston, associated with said

stop mechanism to act as a cushion for said carriage, and an operating connection between one of said elements of said dash-pot and one of said parts of said



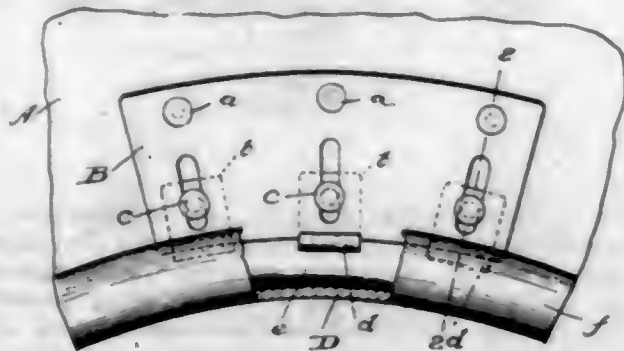
tabulator stop mechanism, for causing said element of the dash-pot to move substantially further than said part while the carriage is being arrested.

1,516,686. OILING DEVICE FOR PILE WIRES. WILLIAM W. ROBERTSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Sept. 22, 1922. Serial No. 589,937. 4 Claims. (Cl. 139-45.)



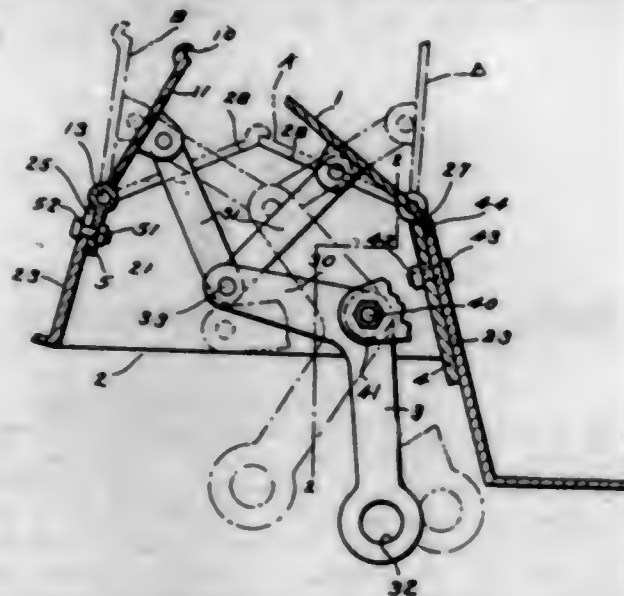
4. In a loom, a pile wire oiling device comprising a lower oiling roll rotatably mounted in fixed position, means to drive said roll, an upper oiling roll mounted for movement toward and from said lower roll, and means to thus move said upper roll at predetermined points in the operation of the loom, said upper roll being normally rotated by contact with said lower roll.

1,516,687. TIRE CLAMP. CHARLES H. ROBINSON, Miami, Okla. Filed July 23, 1923. Serial No. 653,246. 2 Claims. (Cl. 152-24.)



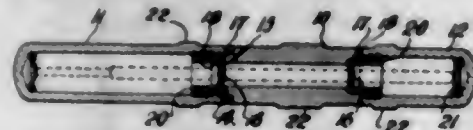
2. A clamp for rim cut tire casings consisting of a single elongated strip of metal fitting over the outer surface of the casing with its inner edge extending over the rim cut, said clamp conforming to the transverse and circumferential curvature of the tire, rivets for rigidly securing the outer edge of the clamp to the casing and a series of longitudinally spaced fastening clips for securing the inner edge of the clamp to the casing, said clips comprising straight outer portions, which extend under and are rigidly secured to the inner edge of the clamp and outwardly curved inner portions which fit over one head of the casing inside the adjacent clincher flange of the tire rim.

1,516,688. FIREPLACE DAMPER. CHARLES W. RODGERS, Seattle, Wash. Filed June 2, 1924. Serial No. 717,274. 18 Claims. (Cl. 126-288.)



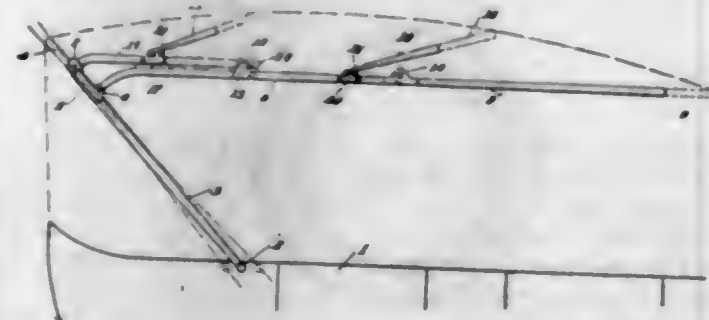
1. In a fire-place damper, in combination with a frame having a throat opening, a pair of complementary damper plates pivoted at opposite sides of the throat opening, means connecting said plates for simultaneous operation, and frictional means for retaining said plates in any adjusted position.

1,516,689. CASE FOR STERILIZING OR CARRYING CLINICAL THERMOMETERS. JAMES ROOK, London, England. Filed Mar. 9, 1923. Serial No. 623,940. 1 Claim. (Cl. 206-16.5.)



A case for carrying thermometers, comprising a body portion with a bore extending from end to end, a perforated disc valve having a central perforated boss, for the passage of a thermometer, and a thickened rim or flange, secured in the bore at each end of the body leaving a space between the two valves, a reservoir for sterilizing liquid, detachably secured to and forming a closed extension at one end of the body, a cap having a closed end detachably secured at the other end of the body, a resilient pad located within the reservoir, against which the end of a thermometer is adapted to come and another resilient pad within the cap to take against the other end of a thermometer, for the purposes set forth.

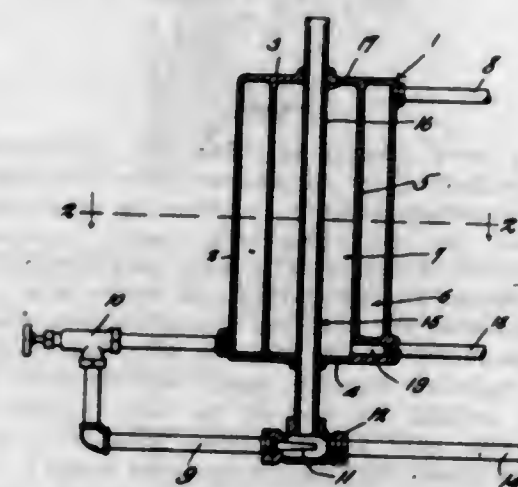
1,516,690. AUTOMOBILE TOP. GEORGE W. SCOTT, Cleveland, Ohio. Filed Oct. 30, 1922. Serial No. 597,743. 1 Claim. (Cl. 296-116.)



In a vehicle top for automobiles, a main rear bow extending upwardly and rearwardly, a horizontal forwardly-extending top member pivotally connected at its rear end to said main bow near the upper portion of said main bow, a forerigger bow connected with the forward

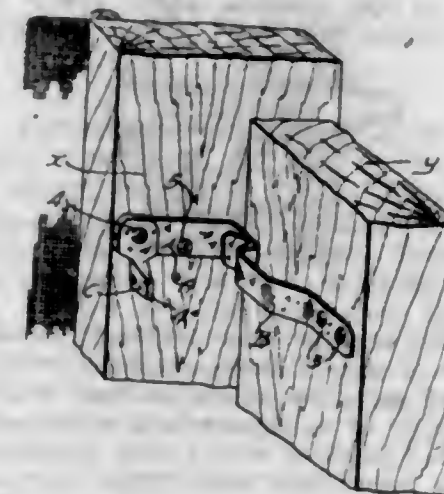
end of said horizontal member, a top bow pivotally connected with said horizontal member near the forward end thereof and supported thereby, the lower ends of said main bow being capable of being attached to the vehicle body at different points in the length of said body, and to swing about its pivotal connection with said horizontal member to compensate for different inclinations, a brace member pivotally connected to the upper end of said main bow and extending forwardly, means for adjustably connecting the forward end of said brace member with said horizontal member, and a second top bow pivotally connected with said brace member and supported thereby.

1,516,691. OIL BURNER. BENJAMIN H. ADAMS, Stephens, Ark., assignor of one-half to Joseph H. Smith, Haynesville, La. Filed Aug. 23, 1923. Serial No. 658,997. 2 Claims. (Cl. 158-36.)



1. In a device of the class described, a hollow body comprising a fuel tank and a heating chamber disposed thereabout, means for introducing steam into the heating chamber, means for introducing fuel into the fuel tank, a casing having an outlet, a conduit leading from the heating chamber to the casing, a nozzle communicating with the conduit and discharging into the casing, and a combined air and fuel pipe, open at one end, the pipe passing through the tank and communicating at its opposite end with the casing, the pipe having an opening establishing communication with the tank.

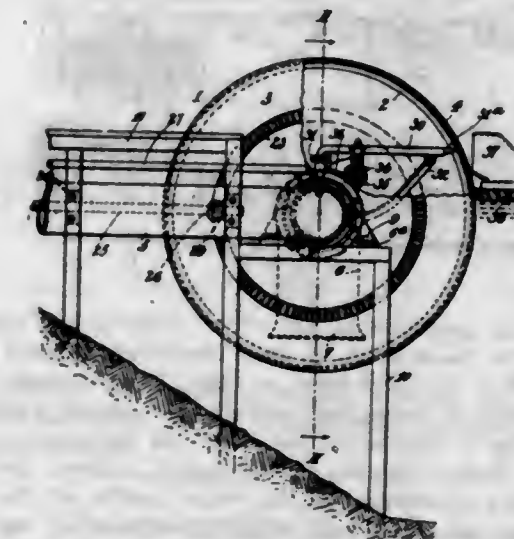
1,516,692. DOOR FASTENER. FREDERICK ANDREAS, St. Louis, Mo. Filed Aug. 6, 1923. Serial No. 655,884. 3 Claims. (Cl. 292-89.)



1. A door fastener, comprising a rigid element arranged on the inner side of the part of the door that strikes against the edge of the door jamb and provided with an inwardly-projecting, hook-shaped portion that extends

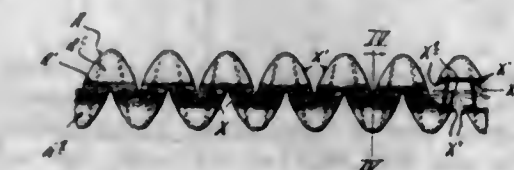
along the side face of the jamb when the door is closed, a resilient element arranged on the side face of the door jamb and provided at its free end with a V-shaped portion on which the hook-shaped portion on said rigid element exerts pressure in such a direction during the closing movement of the door as to cause the resilient element to flex and thus permit the V-shaped portion of same to snap into locking engagement with the rigid element on the door, and a pivotally-mounted locking device on the door that is adapted to be moved into locking engagement with the V-shaped portion of said resilient element.

1,516,693. ROTARY STRAINER. HERBERT CHARLES ANTHONY, Newcastle-upon-Tyne, England. Filed Apr. 22, 1920. Serial No. 375,769. 9 Claims. (Cl. 210-199.)



2. Rotary strainer comprising a cylindrical screen, buoyant means connected therewith, a suction pipe having its open end enclosed by said screen, jointing in said pipe permitting rise and fall of said screen, a revoluble mounting for said screen, and driving mechanism operative to revolve said screen.

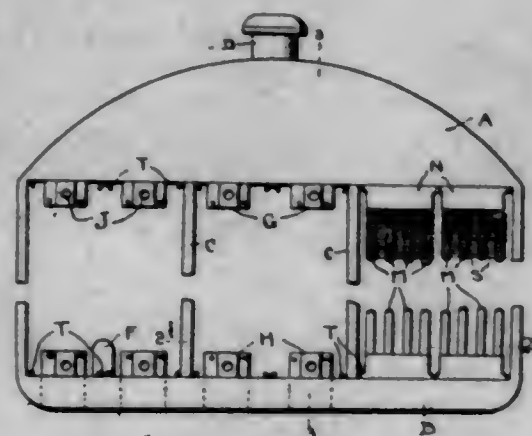
1,516,694. CORRUGATED RECEPTACLE AND METHOD OF MAKING THE SAME. CHARLES E. ATKINSON, Pine Lawn, Mo., assignor to E. E. Souther Iron Company, St. Louis County, Mo., a Corporation of Missouri. Filed June 4, 1921. Serial No. 475,049. 3 Claims. (Cl. 220-72.)



1. A receptacle having a corrugated side wall, the end portions of the corrugations being flattened at the lower margin of said side wall, said end portions comprising flat three-ply folds welded to each other and inclined folds at both side faces of said wall leading from said flat three-ply folds and merging into uncrushed portions of the corrugations, and a bottom wall having an outer margin welded to said flat three-ply folds.

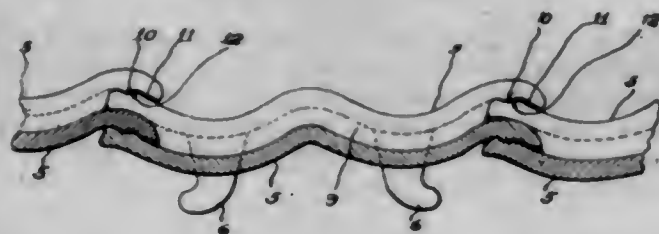
1,516,695. SECTIONAL MOTOR RADIATOR. SYDNEY ATKINSON, Ayr, Queensland, Australia. Filed July 7, 1924. Serial No. 724,743. 1 Claim. (Cl. 257-129.) In a motor vehicle radiator, upper and lower tanks, spacing members rigidly connecting said tanks together, the lower surface of the upper tank and the upper surface of the lower tank being imperforate, spaced

boxes projecting downwardly from the rear portion of the bottom of the upper tank and communicating with the interior of the upper tank, spaced boxes projecting upwardly from the rear portion of the top of the lower tank, each of said boxes having apertures in their front and rear walls, guides projecting from the bottom of the upper tank and the top of the lower tank, lower headers slidably mounted on the top of the lower tank between the guides of the latter and each provided at its rear end with a recess to receive one of said boxes on the lower tank, a nipple on each of said headers projecting



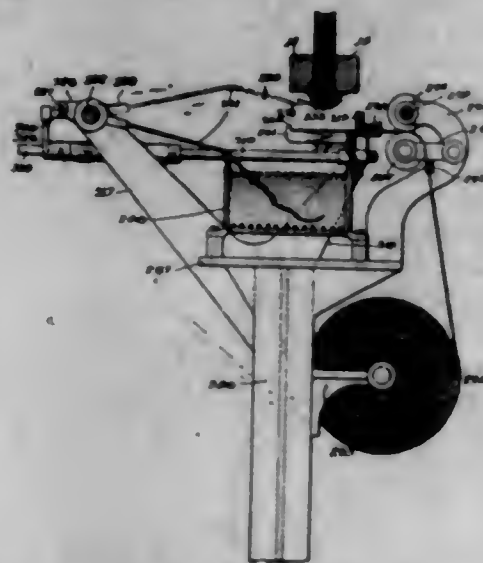
through the aperture in the front wall of the box with which it is associated, a nut surrounding each nipple for securing the headers to the lower boxes, upper headers slidably mounted between the upper guides and each having a recess at its rear end to receive one of the upper boxes, nipples on the upper headers projecting through the apertures in the front walls of the upper boxes, nuts engaging said nipples for locking the upper headers to the upper boxes, tubes placing said headers in communication, and removable plates closing the apertures in the rear walls of the boxes.

1,516,696. ROOFING TILE. BYRON L. BACOT, McComb, Miss. Filed Nov. 16, 1922. Serial No. 601,346. 1 Claim. (Cl. 108-10.)



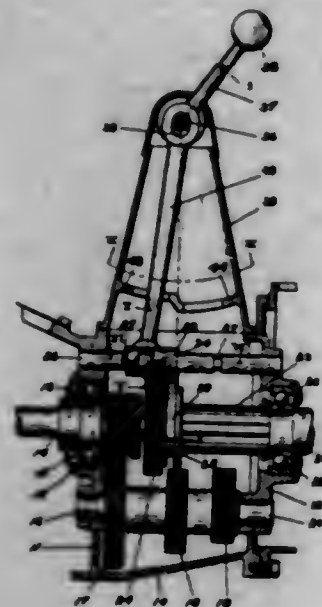
A roofing tile comprising a rectangular body having longitudinal corrugations and being provided upon its upper surface with a longitudinal groove adjacent and parallel to one side edge of the body, the under side of the body adjacent the other longitudinal edge of the body being formed with a longitudinal bead adapted to be received in the groove of an adjacent tile, the under side of the body being provided with a second bead adjacent and parallel to the first named bead and adapted to flatly contact with the upper surface of an adjacent tile, one end of the body being formed with a transverse rib adapted to flatly contact with the upper surface of an adjacent tile, the ends of said transverse rib terminating inwardly of the side edges of the body and adapted to be engaged by the longitudinal side edges of adjacent tiles, said groove in the upper surface of the body being greater in cross sectional area than the cross sectional area of the bead which it receives, and lugs depending from the under side of the body and having the shape of laterally presented hooks to provide seats at their side edges, said lugs being spaced at equal distances from the side edges of the body and at the same distance from the said rib.

1,516,697. BOOKBINDING MACHINE. MILTON BECK, Chicago, Ill., assignor to Joseph J. White, Chicago, Ill. Filed Jan. 19, 1921. Serial No. 438,300. 21 Claims. (Cl. 11-1.)



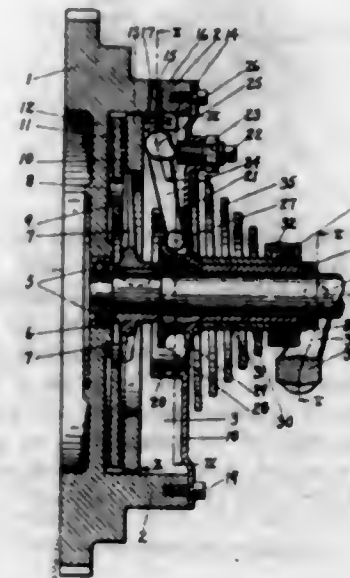
15. In a book binding machine, the combination of conveyor mechanism for successively presenting the books to a predetermined position, a plurality of pivoted fingers, means for oscillating said fingers towards and from the back of the book in said predetermined position, said means also oscillating said fingers into a lower receiving position for receiving a strip of lining material, feeding means for feeding the end of a continuous web of such material directly upon said fingers, cutting means for cutting the end of the web thereon into a separate strip, said fingers raising said strip into adhering engagement with the back of the book.

1,516,698. CHANGE-SPEED-GEAR MECHANISM. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed May 3, 1918. Serial No. 232,276. 23 Claims. (Cl. 74-39.)



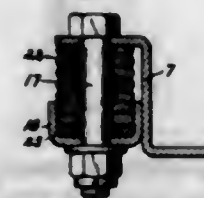
1. In a device of the class described, the combination of a shaft; a gear slidable thereon; and means for shifting said gear, comprising a fixed shaft provided with a plurality of notches therein, a sleeve slidable on said shaft and provided with a fork engaging said gear to shift the same, said sleeve being provided with a lateral extension and an opening diametrically opposite said extension, a spring housed within said extension, a ball housed within said extension in position to engage said notches, said spring being compressed between said ball and the end of said extension, and a shifting lever provided with a fork engaging said lateral extension.

1,516,699. CLUTCH. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Original application filed July 19, 1917, Serial No. 181,556. Divided and this application filed Mar. 21, 1919. Serial No. 284,139. 10 Claims. (Cl. 192-68.)



9. In combination, a fly-wheel having an over-hanging flange, clutch elements within said flange, full floating levers for operating said clutch elements, guides for said levers near the opposite ends thereof, and means for actuating said levers.

1,516,700. SPRING CONSTRUCTION. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Original application filed July 22, 1918, Serial No. 246,206. Divided and this application filed Sept. 5, 1922. Serial No. 586,136. 5 Claims. (Cl. 267-53.)



1. A leaf spring comprising a plurality of leaves each having an aperture therethrough adapted to receive a securing bolt, and a sleeve extending through said apertures, said sleeve firmly engaging the two outermost leaves to thereby bind all the leaves together.

1,516,701. PROCESS OF TREATING CORNCOBS AND PRODUCT THEREOF. THOMAS K. BERNTSON, deceased, late of Pittsburgh, Pa., by Lillian Berntson, executrix, Pittsburgh, Pa., assignor, by mesne assignments, to John W. Garland, Inc., Pittsburgh, Pa. Original application filed Jan. 21, 1921, Serial No. 439,003. Divided and this application filed Nov. 19, 1921. Serial No. 516,503. 2 Claims. (Cl. 203-6.)

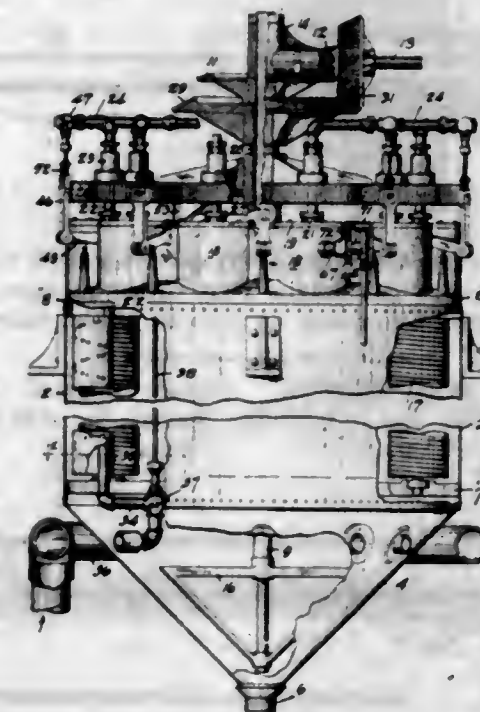
2. A process which comprises destructively distilling corn cobs, and condensing the major part at least of the vaporous products of reaction.

1,516,702. THICKENING FILTER. DAVID M. BERRY, Oakland, Calif. Filed Feb. 1, 1922. Serial No. 533,475. 22 Claims. (Cl. 210-201.)

1. A filter comprising a tank adapted to hold the material to be filtered, a filter drum rotatably arranged in

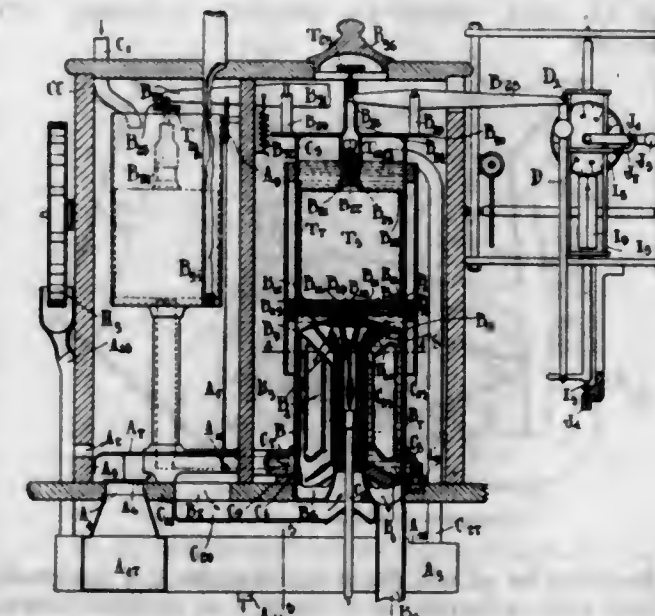
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said tank, means for directing a jet of the material to be filtered against said filter drum to dislodge the cake thereon, and a tubular conductor discharging adjacent



the bottom of said tank arranged parallel to said filter drum and provided with a longitudinal opening to receive the loosened cake.

1,516,703. CALORIMETER. CHARLES VERNON BOYS, London, England. Filed Dec. 27, 1921. Serial No. 525,220. 4 Claims. (Cl. 73-184.)

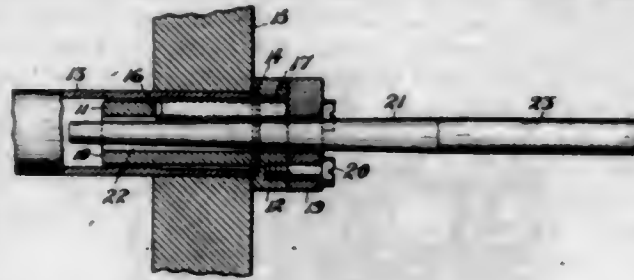


1. A recording calorimeter including in combination an operative thermometer formed of a rigid cylindrical vessel provided at each end with a resilient disc, a fixed abutment supporting the centre of one disc and adjustable operative means abutting the centre of the other said disc.

1,516,704. TUBE-EXPANDING TOOL. CARL F. BRAUN, San Francisco, Calif. Filed Jan. 11, 1922. Serial No. 528,479. 4 Claims. (Cl. 153-82.)

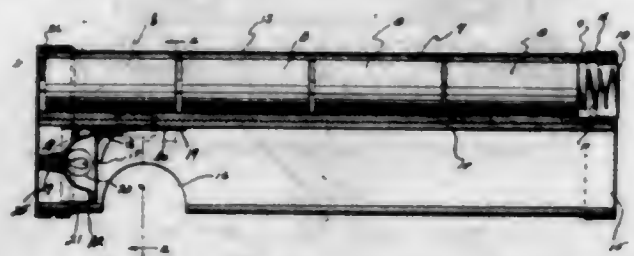
1. A tube expanding tool comprising means for acting to simultaneously expand the wall of a tube into an opening in a tube sheet and draw the metal of the tube

longitudinally through the opening in the tube sheet, said means including a member abutting against the



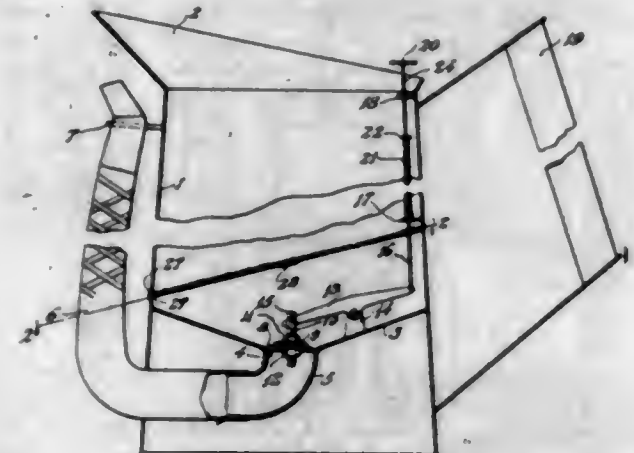
face of the tube sheet and having an annular recess in its abutting face concentric with the tube sheet to receive the drawn out metal at the end of the tube.

1,516,705. EGG TESTER. HENRY BARACK, Detroit, Mich. Filed Jan. 24, 1924. Serial No. 688,128. 9 Claims. (Cl. 99-6.)



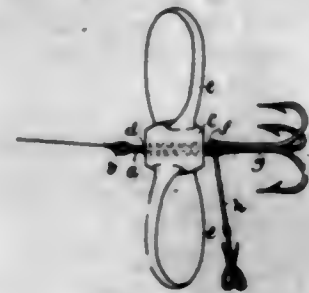
1. In an egg tester, an inspecting tube having an egg-receiving opening formed therein; and an adjusting block mounted in said tube and adapted for engaging eggs of varying sizes positioned in said tube to effectively close the passage way thereof.

1,516,706. LIQUID MEASURE. EARL BROOKINS, Dayton, Ohio, assignor to The Brookins Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed June 14, 1919. Serial No. 304,201. 2 Claims. (Cl. 221-16.)



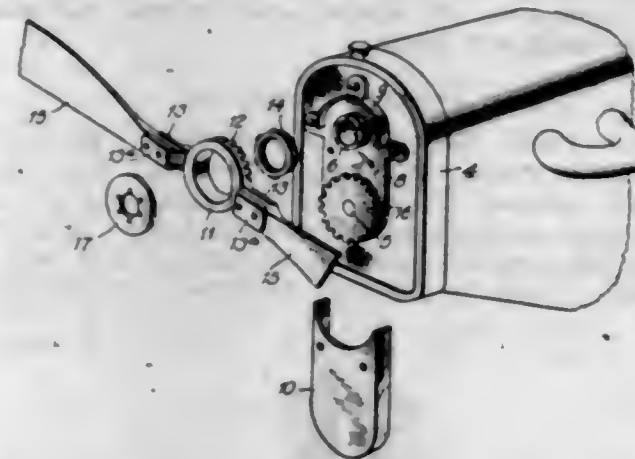
2. In a device of the character described, a receptacle provided with a handle and having a tapered bottom spaced from the lower edge thereof, said lower edge forming a support for the receptacle and said bottom having a discharge opening at the lowest point thereof, a flexible discharge spout connected with said discharge opening and extending laterally beyond the wall of said receptacle, an inwardly opening valve to close said discharge opening, a lever pivotally mounted between its ends directly on said bottom, having one end operatively connected with and forming the sole support for said valve, and having its other end arranged adjacent to the wall of said receptacle, an actuating rod slidably mounted in said receptacle adjacent to the wall thereof, connected at its lower end with the outer end of said lever and having its upper end arranged near the upper edge of said receptacle and provided with a thumb piece adjacent to said handle.

1,516,707. FISH LURE. FRANK BROWN, Paterson, N. J. Filed Aug. 18, 1923. Serial No. 658,086. 2 Claims. (Cl. 43-47.)



1. In combination, a surface floating lure including a rotary element having a body and flat radial screw blades projecting therefrom and each blade being large relatively to the body, the dimension of said element lengthwise of the axis of rotation thereof being not appreciably less than that of the lure as a whole lengthwise of said axis, a journal member on which said element rotates adapted to be connected to a fish line at one side of said element, and a hook connected with said member at the other side of said element.

1,516,708. AEROPLANE-PROPELLER MOUNTING. REUBEN CASSIUS BRUBAKER, Eaton, Ohio. Filed Jan. 30, 1924. Serial No. 689,440. Renewed Sept. 15, 1924. 6 Claims. (Cl. 244-25.)

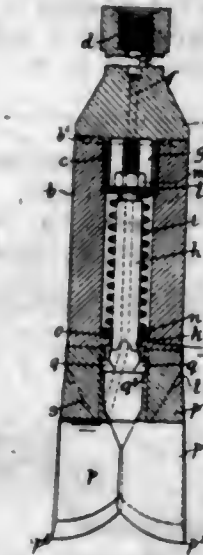


1. An aeroplane propeller mounting comprising in combination, an oblong plate secured to the radiator of the aeroplane, said plate having an opening through which the engine main shaft extends, a gear mounted on the extended end of said shaft, a hollow spindle projecting through another opening in said plate, a blade-carrying hub member mounted on said spindle having a peripheral gear portion adapted to meshing engagement with said gear, an anti-friction bearing interposed between the spindle and the hub and an outer ring plate secured to the end of the spindle against the hub member, to hold the latter in place.

1,516,709. WELL-BORING APPARATUS. PERCY BAUNT, Addiscombe, England. Filed May 22, 1922. Serial No. 562,595. 3 Claims. (Cl. 255-75.)

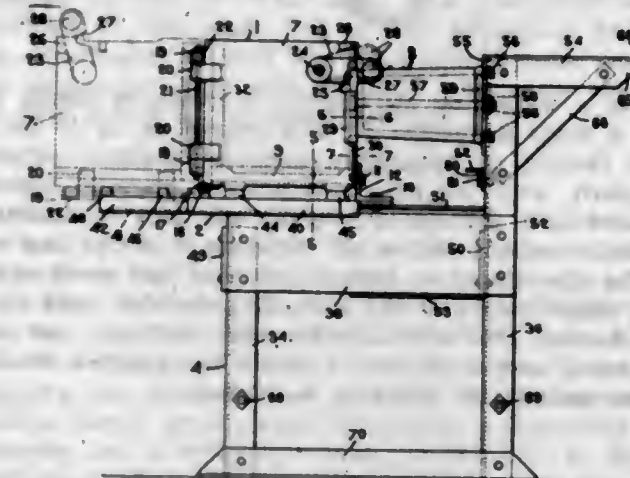
1. Well boring apparatus comprising a main body designed to fit loosely within the well casing, and provided at its lower end with oppositely disposed faces inclined downwardly and inwardly, a pair of cutters provided with oppositely disposed shoulders for engaging said inclined faces of the body, to force said cutters upwardly into position to bore a hole of greater diameter than the body, said body being provided with a central cavity constituting an oil compartment and provided at its lower end with an aperture, a pull rod connecting with said cutters and extending through the said aperture of the main body into the oil recess, a spring

surrounding said rod within the oil recess and interposed between one end of the recess and a part connected with said rod for normally holding said shoulders



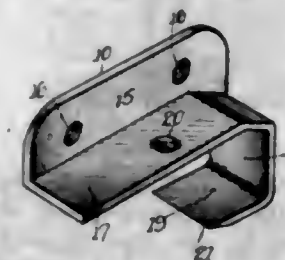
in engagement with the inclined faces of the body, and packing surrounding said rod within the oil recess to prevent the escape of the lubricant.

1,516,710. CONCRETE-BLOCK-MOLDING MACHINE. LOUIS CAPUTO, East Boston, Mass. Filed July 18, 1923. Serial No. 652,255. 12 Claims. (Cl. 25-41.)



1. A concrete block molding machine comprising a frame, tracks on the frame, a stationary core, a movable mold and a carriage supporting the mold slidable along the tracks to bring the mold and core into co-operating position and of such a size that when the core is in place in the mold the carriage completely covers and protects the tracks throughout their lengths whereby when the mold is being filled the tracks are covered to prevent concrete from depositing thereon.

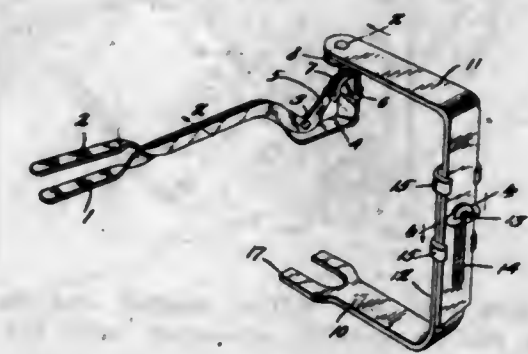
1,516,711. PORCH-RAIL SAFETY DEVICE. OLOF S. CHRISTELL, Chicago, Ill., assignor of one-half to John P. Christell, Chicago, Ill. Filed Apr. 16, 1923. Serial No. 632,196. 2 Claims. (Cl. 20-95.)



1. A rail support adapted to be arranged at the juncture of a rail and a post to which the rail is secured, said support comprising portions arranged to engage the top, a side and the bottom face of said rail, and having

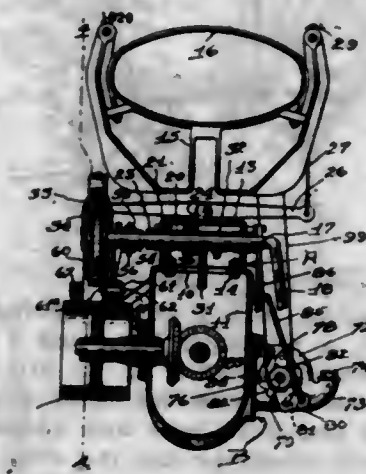
means for receiving a securing means, whereby the rail may be secured to said support, and also having a member arranged along an edge of the support and extending from one end of the support to substantially said portion which engages the side of the rail, said last-mentioned member being arranged with respect to the portion from which it projects so as to fit the juncture of said post and rail and having means for receiving a fastening means.

1,516,712. VALVE LIFTER. WALTER WARNER COCHRAN, Colton, N. Y. Filed Jan. 5, 1924. Serial No. 684,621. 1 Claim. (Cl. 20-86.3.)



1. A device of the class described comprising a pair of handle members pivotally connected together, an angle extension on one member, a nose on the other member, a slide on the outer part of the extension, a link connecting the slide with the nose and a valve spring engaging member rotatably connected with the slide.

1,516,713. REIN-CONTROLLED STEERING AND GEAR-SHIFTING ATTACHMENT FOR TRACTORS. ARTHUR DENNIS COLE, Minneapolis, Minn. Filed Oct. 7, 1920. Serial No. 415,848. 9 Claims. (Cl. 180-77.)

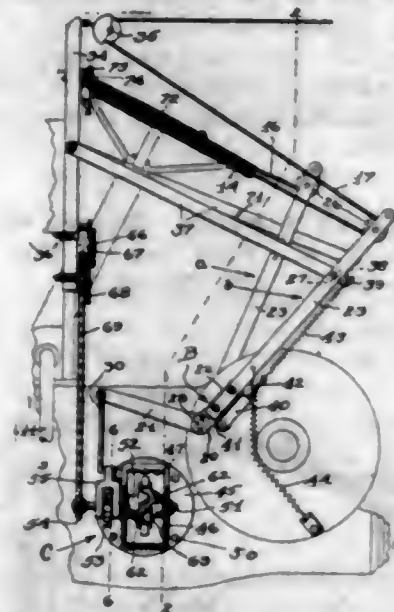


1. In an attachment of the class described, two parts designed for application to the body of a tractor, one part carrying gear shifters and an actuating cam therefor, while the other part carries steering mechanism adapted to be propelled by a moving part of the tractor, also a clutch throw-out device and an actuating member, said actuating member being adapted to operate said gear shifter cam and clutch throw-out device and, further, to actuate said steering mechanism.

1,516,714. REIN-CONTROLLED STEERING AND GEAR-SHIFTING ATTACHMENT FOR TRACTORS. ARTHUR DENNIS COLE, Minneapolis, Minn. Filed Feb. 14, 1921. Serial No. 444,659. 19 Claims. (Cl. 180-77.)

2. The combination with a tractor having guiding mechanism including a revoluble element, of an attachment therefor comprising a gear shifter member, a clutch

operating member and a pair of reins, both reins being connected with the revoluble element for turning the same, one of said reins having a sliding operable con-



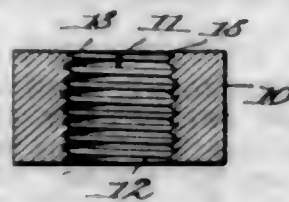
nection with said gear shifter member and the other having a sliding operable connection with the clutch operating member.

1,516,715. TRACTOR CONTROLLING ATTACHMENT. ARTHUR DENNIS COLE, Minneapolis, Minn. Filed June 25, 1921. Serial No. 480,319. 7 Claims. (Cl. 180-77.)



1. The combination with a tractor having a revoluble steering element, a gear-shift lever and a clutch with actuating mechanism therefor, of an attachment comprising two shifter members, one being adjustably connected with the gear-shift lever and adapted to throw the same in given directions and the other arranged to operate the clutch mechanism, also to supplement the first member in shifting said lever, and a pair of reins for turning the revoluble steering element, each rein being further employed to actuate one of said shifter members.

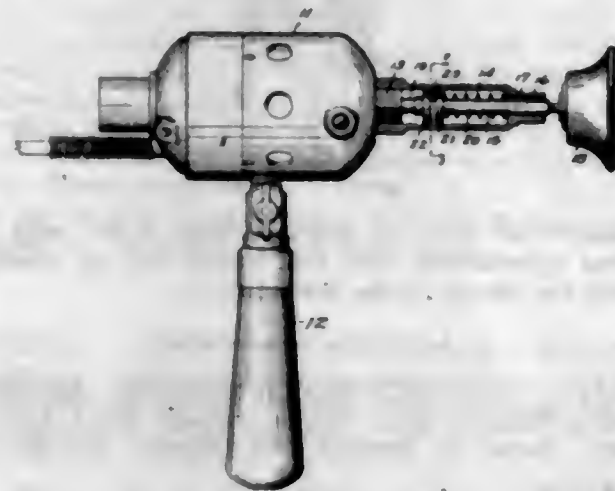
1,516,716. NUT AND METHOD OF MAKING THE SAME. EDWARD J. COLE, Peekskill, N. Y. Filed July 15, 1922. Serial No. 575,434. 1 Claim. (Cl. 151-21.)



A self-locking nut of the character described in which the upper surface thereof is provided with diametrically oppositely disposed indentations extending from the

threaded bore toward the side faces of the nut but not reaching thereto, said indentations having had their side walls collapsed so that said walls are in engagement to form a converging end portion in the threaded bore adapted to grip the threads of a bolt and the top surface being otherwise plane so as not to weaken the nut.

1,516,717. MASSAGING INSTRUMENT. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Majik Electric Appliance Company, a Corporation of California. Filed May 16, 1922. Serial No. 561,534. 2 Claims. (Cl. 128-52.)



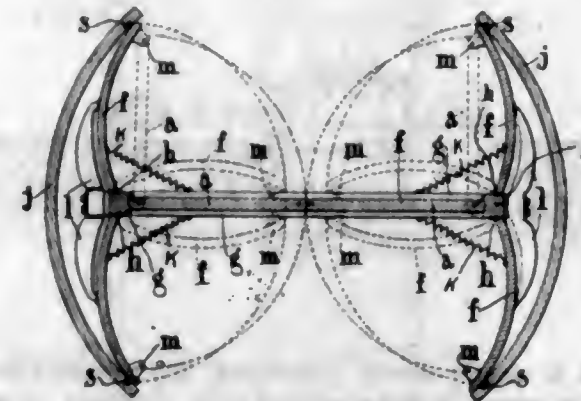
1. In a massaging instrument, a source of rotary motion, a shaft connected to said source so as to be rotated thereby, a massaging member mounted adjacent the shaft with its axis substantially parallel thereto, a crown cam carried by one of the two substantially parallel members, and a ball coacting with the cam carried by the other, so that rotation of the shaft causes axial reciprocation of the massaging member, said crown cam having gradually sloping cam surfaces, and said ball being seated so as to retain its position relative to the member on which it is carried.

1,516,718. NOVELTY TOY. CLARENCE I. DAILEY, Jeffersonville, Ind. Filed July 3, 1922. Serial No. 572,566. 2 Claims. (Cl. 46-37.)



1. The combination with a flash light, of a hollow body mounted on the illuminated end of said flash light, a window mounted in one end of said hollow body, a rotatable disk mounted in the opposite end thereof, means operable from the exterior of said hollow body to rotate said rotatable disk, the end of said flash light being adapted to be interposed between the window in one end and the rotatable disk in the opposite end.

1,516,719. REVOLVING DOOR. CECIL ALEXANDER ELLIOTT, Reading, England, assignor of one-half to Samuel Elliott and Sons (Reading), Limited, Reading, Berks, England. Filed Jan. 5, 1921. Serial No. 435,224. 9 Claims. (Cl. 20-18.)

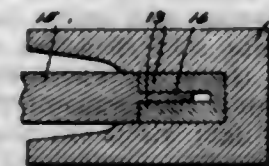


1. The combination with two oppositely-curved case-ment walls, a framing disposed therebetween, and foldable leaves attached to said framing adapted to open centrally from the closed position, said framing and leaves forming a revolving central door screen, of foldable wings carried by the said framing and revolving with the said screen in an extended position at right angles to the said screen, adjustable brackets for holding the said wings in the extended position pivoted to the said framing at one of their ends, and releasable catches provided at the other end of the adjustable brackets, the attachment of said leaves to said framing comprising hinges provided with resilient means for returning the said leaves to the closed position.

1,516,720. PROCESS OF TREATING PETROLEUM PRODUCTS. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Dec. 17, 1921, Serial No. 523,208. Renewed Aug. 22, 1924. 12 Claims. (Cl. 260-108.)

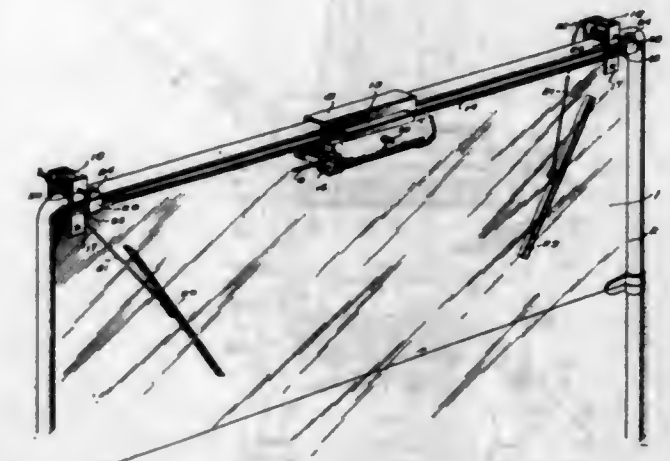
7. The method of treating petroleum which comprises cracking oils heavier than gasoline for the purpose of making motor spirit while employing a relatively high pressure and a relatively high temperature to form a mixture of aliphatic and aromatic hydrocarbons, admixing a part at least of the lighter products with humidified air in an amount substantially less than will furnish oxygen sufficient for complete combustion and passing the mixture over catalyzer heated between 300° and 400° C., whereby fatty acids and other products of oxidation are obtained.

1,516,721. METHOD OF MAKING NUTS. I. C. EMERY, Baltimore, Md., assignor to Chapman Self-Locking Nut Co., trustee, Baltimore, Md. Filed Dec. 5, 1922. Serial No. 605,119. 6 Claims. (Cl. 10-86.)



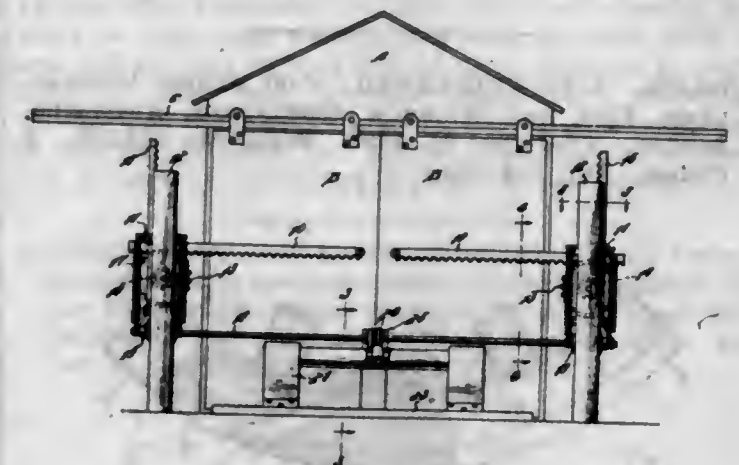
3. In the process of making lock nuts, the steps of bending a blank along a line extending transversely of the grain of the metal into a form having superposed wings joined by a neck of metal, whereby the grain of the metal extends from one of said wings across the neck to the other wing, and then working the metal of the neck to densify and improve the structure of the same.

1,516,722. WINDSHIELD CLEANER. FRED G. FOLBERTH and WILLIAM M. FOLBERTH, Cleveland, Ohio, assignors to The Folberth Auto Specialty Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 11, 1921. Serial No. 468,485. 4 Claims. (Cl. 15-253.)



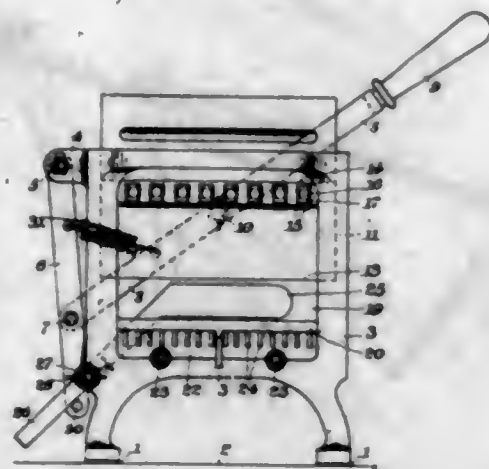
1. Windshield cleaning apparatus comprising a pair of pivotally mounted cleaner elements, said cleaner elements being pivoted in substantially the same horizontal plane and being adapted to oscillate in the same vertical plane between points beneath the plane of the pivots, an actuating member connected to said cleaner elements to oscillate them, a cleaner motor arranged in substantially the same horizontal plane with the pivots of said cleaner elements and having an oscillating motor shaft connected to said actuating member.

1,516,723. AUTOMATIC DOOR-OPERATING DEVICE. ALFRED GUIDRY, Comfort, Tex. Filed May 21, 1923. Serial No. 640,493. 2 Claims. (Cl. 268-8.)



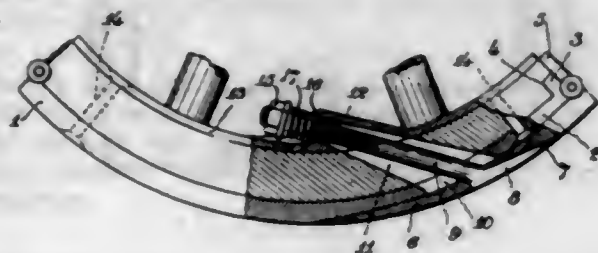
2. The combination with a pair of sliding doors, of rack bars secured to said doors and mounted for sliding movement toward and away from each other, vertically disposed rack bars, gears adapted to be rotated by the last mentioned rack bars, and meshing with the first mentioned rack bars to actuate the latter, and vehicle actuated means for simultaneously operating the vertical rack bars to automatically open the doors, said means including a depressible platform, springs suspended from said vertical rack bars, and a floating shaft supported by said springs and connected with said platform, whereby the vertical bars are lowered when the platform is depressed to automatically open the doors.

1,516,724. MACHINE FOR CUTTING TURNIPS, BEETS, POTATOES, AND LIKE TUBEROUS VEGETABLES, BACON AND SIMILAR SUBSTANCES INTO SLICES, CHIPS, OR CUBES. PAUL HAASE, Bergedorf, Germany. Filed Nov. 19, 1923. Serial No. 675,754. 2 Claims. (Cl. 146-150.)



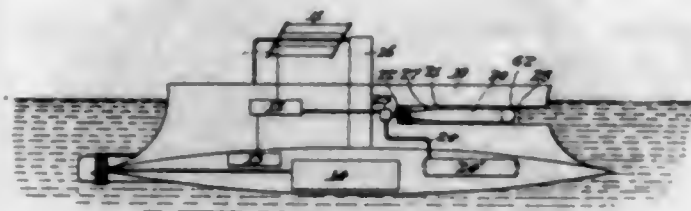
1. Improved machine for cutting turnips, beets, potatoes and like tuberos vegetables, bacon and similar substances into slices, chips or cubes, comprising in combination an upright frame mounted on a base affording a firm support, a reciprocating cutting mechanism movable up and down in an opening of the upright frame, said cutting mechanism comprising a lower front blade, an upper rear blade and a series of blades bridging the space between the lower front blade and the upper rear blade below the latter, the lower front blade and the upper rear blade serving for slicing, the series of blades for chipping the slices cut by the upper rear blade, a hand lever in pivotal connection with the cutting mechanism for moving same up and down, an oscillating lever in pivotal connection with a bracket of the upright frame serving for providing a fulcrum for the hand lever, a support for the substances to be cut, and an adjustable gage determining the thickness of the slices to be cut, substantially as described and shown.

1,516,725. TIRE TIGHTENER. CARL ALBERT HAMMARLUND, Eket, and WILHELM SEGERSTROM, Angelholm, Sweden. Filed Dec. 27, 1923. Serial No. 683,020. 2 Claims. (Cl. 301-92.)



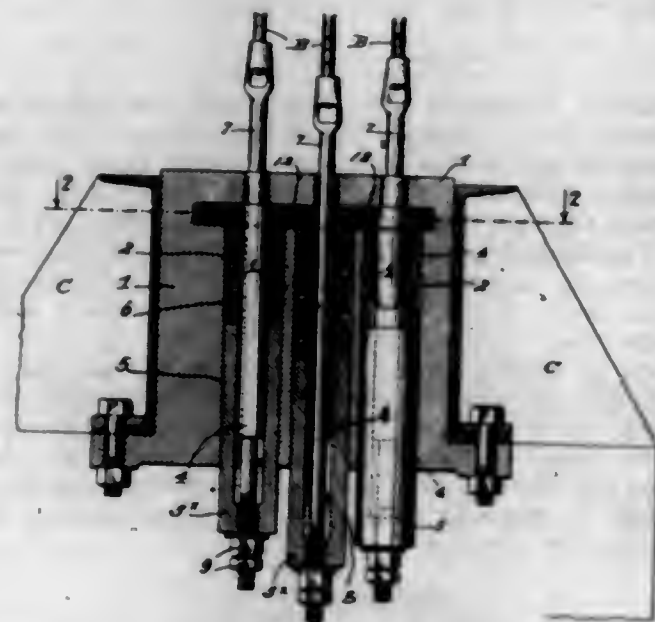
1. In a wheel, the combination with the wooden felly thereof, of a socket secured to the inside of the felly, a tire on the wheel and formed with overlapping ends for providing a smooth outer surface on the tire, the inner one of the ends being secured to the felly, the outer one of the ends having a slidable fit on the inner end, a recess in the outer end of the tire, a draw-bolt provided at one end with a head fitted in the recess in the outer end of the tire, corresponding slots in the inner end of the tire and felly, the draw-bolt extending through the slots in the inner end of the tire and the felly and through the socket, and resilient tightening means on a projecting end of the draw-bolt.

1,516,726. SMOKE-SCREEN-PRODUCING MEANS. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed June 2, 1920, Serial No. 385,894. Renewed July 12, 1922. Serial No. 574,543. 21 Claims. (Cl. 114-21.)



1. In a smoke screen apparatus, the combination of a marine vessel, a self-propelled body arranged to be released from said vessel, and means on said body for ejecting a quantity of smoke producing material for causing a smoke screen to be produced in the course of said vessel.

1,516,727. PRESSURE-CHAMBER AND PLUNGER CONSTRUCTION. WILFORD JUDSON HAWKINS, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Aug. 21, 1923. Serial No. 658,517. 15 Claims. (Cl. 187-1.)

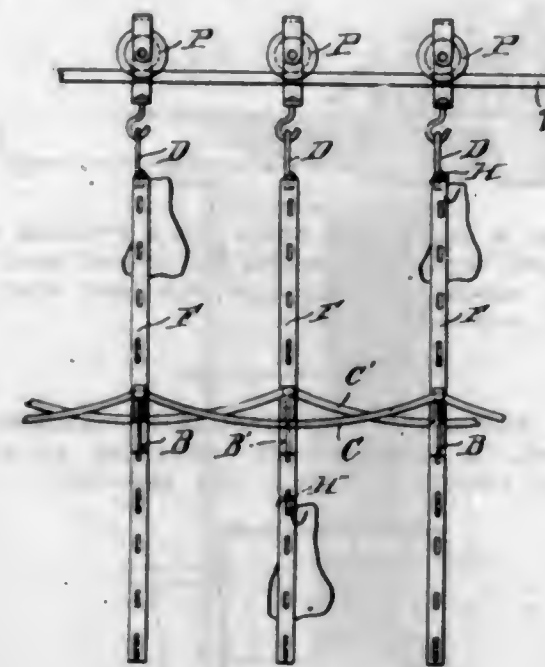


9. In a mechanism of the type described, the combination with a casing having a plurality of pressure-fluid chambers communicating with each other at one end, sleeves extending into said chambers respectively and sealing the ends of the same, where they communicate with each other, against the escape of the pressure-fluid, plungers fitting fluid-tight within the respective chambers and around the respective sleeves, and rods extending within the sleeves and engaged with the respective plungers.

1,516,728. MEAT-CURING METHOD AND APPARATUS. DWIGHT BRADFORD HILL, Winchester, Mass. Filed Apr. 24, 1923. Serial No. 634,263. 31 Claims. (Cl. 90-9.)

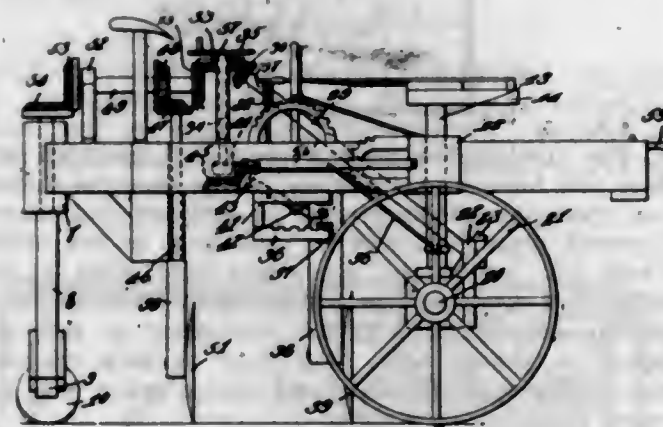
1. The method of treating meat which comprises subjecting the meat to a high-frequency electric field to harden the surface of the meat.

9. Meat curing apparatus comprising a row of spaced frames, and means for connecting alternate frames to



opposite sides of an electric circuit, thereby to set up electric fields in the spaces between the frames.

1,516,729. PLOW. JOHN E. HILES and ARTHUR J. HILES, Missouri Valley, Iowa. Filed June 14, 1922. Serial No. 568,188. 1 Claim. (Cl. 97-31.)



In a machine of the class described, a frame, curved supporting members disposed under the frame, one of said supporting members having teeth, a vertical plow supporting beam having openings to receive the supporting members, a shaft extending into the beam and carrying a pinion, said pinion adapted to mesh with the teeth of the supporting member, said pinion adapted to rotate to move the beam laterally of the frame, and means for guiding the machine.

1,516,730. TAKE-UP MECHANISM FOR NARROW-WARE LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1922. Serial No. 549,841. 3 Claims. (Cl. 139-305.)

2. In a narrow ware loom, in combination, a loom frame, a lay, a plurality of relatively small tapered take-up rolls mounted on said frame adjacent the extreme forward position of said lay, and means to drive

said rolls, said rolls being spaced part and having their axes parallel and adjacent rolls being rotated in oppo-



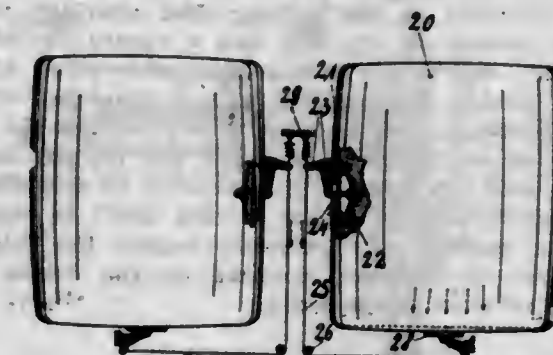
site directions, and said driving means comprising sprockets on said rolls, a sprocket chain successively engaging different sprockets, and means to drive said chain.

1,516,731. CLAMPING DEVICE FOR BUMPERS. HERBERT S. JANDUS, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Feb. 28, 1923. Serial No. 621,754. 5 Claims. (Cl. 293-55.)



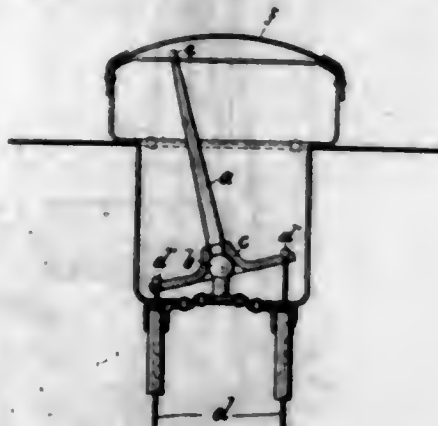
5. The combination, with a supporting member, of means for clamping a bar or plate and for supporting it from said member, said means comprising a pair of substantially triangular clamping plates each having its front or outer end widened and each provided with a seat for an edge of said bar or plate adjacent to such front or outer end, laterally spaced bolts extending through and connecting the said clamping plates adjacent to said bar or plate, and means connecting the smaller end of each of the clamping plates to said member.

1,516,732. GAS VALVE FOR AIRSHIPS. PAUL JARAY, Friedrichshafen-on-the-Bodensee, Germany, assignor to the Firm Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen a. B., Germany. Filed Sept. 3, 1921. Serial No. 498,358. 5 Claims. (Cl. 244-31.)



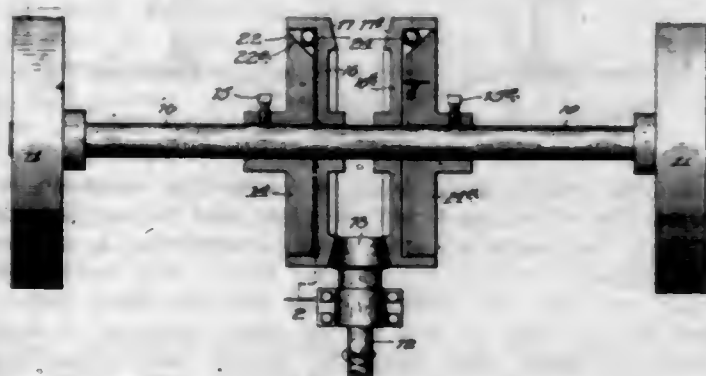
1. In a rigid airship the combination of a gas cell, a valve in a wall of said cell, mechanism outside of said cell adapted to be moved by movements of the cell wall resulting from an increase in gas pressure in the cell, and operative means connecting such mechanism with said valve.

1,516,733. RUDDER INDICATOR FOR AIRCRAFT. PAUL JARAY, Brunnau, Switzerland, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. Filed July 18, 1924. Serial No. 726,853. 2 Claims. (Cl. 116-126.)



2. An aircraft having a rudder and an elevator and an instrument for indicating the inclination of both rudder and elevator at the same time, comprising a pivoted rod; means for connecting said rod with both the elevator and the rudder, so that the free end of said rod will indicate the inclination from neutral position of both the rudder and the elevator, and a scale adapted to point out the degrees of inclination.

1,516,734. CLUTCH. JACK W. JOHNSON, Chicago, Ill., assignor to Radio Vacuum Cleaner Company, St. Charles, Ill., a Corporation of Illinois. Filed Nov. 26, 1923. Serial No. 676,994. 14 Claims. (Cl. 74-59.)



1. A clutch of the character described comprising: a driving shaft and a driven shaft; a driving disk on the driving shaft; a cup member slidably and rotatably mounted on the driving shaft and embracing said driving disk; a member mounted on the driven shaft and having a frictional surface; a frictional surface on the cup member adapted for frictional engagement with the frictional surface on the member mounted on the driven shaft; a recess in the driving disk provided with a slanting surface on one side and a square shoulder on the other; and a ball mounted in said recess whereby rotation of the driving disk in one direction will operate to cause a wedging of said ball between the slanting face of the recess in the disk and the cup member to cause said cup member to be rotated by said disk and moved longitudinally on the driving shaft to cause its frictional surface to frictionally engage the frictional surface on the member mounted on the driven shaft to cause rotation of the same.

1,516,735. NUT WRENCH. OSCAR J. JOHNSON, Cloquet, Minn. Filed Jan. 4, 1924. Serial No. 684,401. 4 Claims. (Cl. 81-133.)

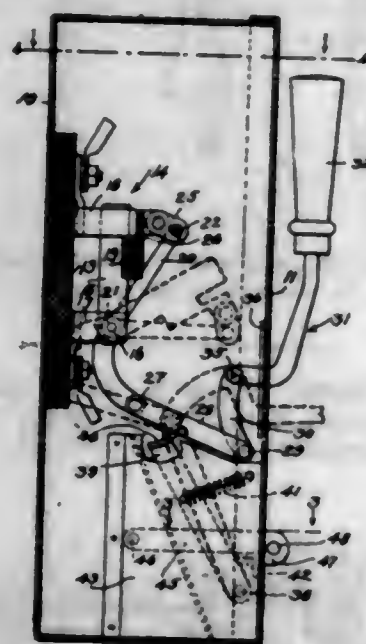
1. In a nut wrench, a fixed jaw provided with a handle member having a rack-face, a sliding jaw provided with a housing mounted upon said handle mem-

ber, a pinion pivoted upon the housing to constantly engage said rack, a locking lever pivoted in the housing independent of the pinion and provided with an inner



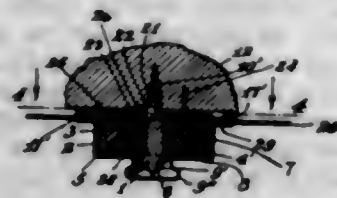
toothed face to engage said pinion and a retaining seat upon its outer face, and a locking ball pivoted upon the housing to engage said seat upon the lever when in engagement with said pinion.

1,516,736. ELECTRICAL SWITCH BOX. HERBERT E. KAMMERER, Los Angeles, Calif. Filed Dec. 18, 1920. Serial No. 431,602. 2 Claims. (Cl. 200-50.)



1. The combination with a receptacle provided with a door and having an electrical switch mounted thereon, of an operating handle pivoted in said box and adapted to project through a slot in said door to the outside of said box, means for connecting said lever to said switch, and a spring controlled latch mounted inside said box and operated by the movement of said door adapted to engage with said lever to lock the same from manipulation to close said switch when said door is open.

1,516,737. SEPARABLE FASTENER. WILLIAM J. KAMMERER, New York, N. Y. Filed Mar. 10, 1924. Serial No. 698,169. 4 Claims. (Cl. 24-211.)



1. A fastener comprising a headed shank, a casing to receive said shank, a socket member within the casing and consisting of a plurality of hollow partially cylindrical portions having parallel curved end flanges surrounding the same, the shank head being projectable through the socket member, and resilient means co-operating with the socket member tending to cause the portions thereof to approach one another to form a hollow cylinder and thereby embrace the shank and interlock with said head, said casing having flat faces against which said flanges are slidable when actuated by said resilient means.

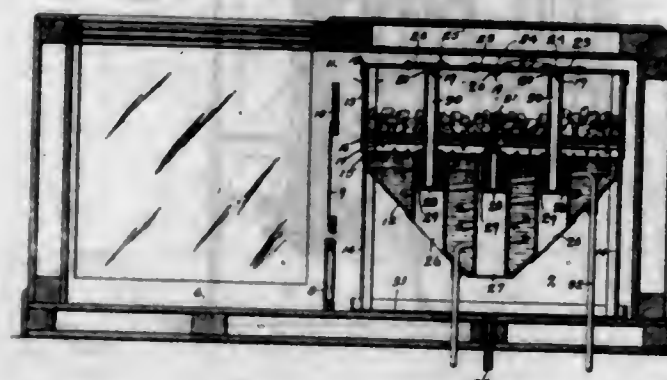
1,516,738. PROCESS OF AND APPARATUS FOR GRADING EGGS. MORRIS KASSER, San Francisco, Calif. Filed Mar. 24, 1923. Serial No. 627,821. 4 Claims. (Cl. 99-6.)



1. The method which comprises depositing a number of eggs into a deep body of liquid of such density that a fresh egg sinks substantially to the bottom, and segregating the eggs into groups while still in the liquid, in accordance with their vertical positions.

2. An apparatus for grading eggs comprising a deep receptacle adapted to contain liquid into which the eggs are placed and in which they sink to different vertically spaced zones and means for separately collecting the eggs in each zone.

1,516,739. METHOD OF REFRIGERATION. CHARLES A. KETTERER, East St. Louis, Ill. Original application filed Aug. 9, 1920, Serial No. 402,175. Divided and this application filed July 27, 1922. Serial No. 577,864. 5 Claims. (Cl. 62-171.)

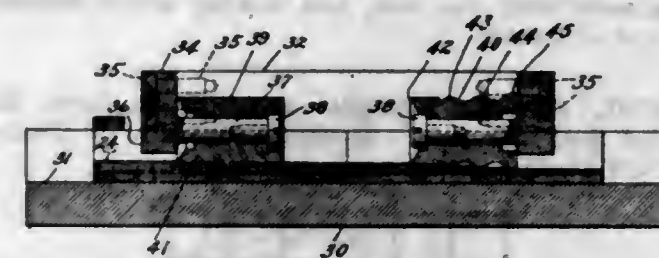


1. The herein described method of refrigeration which consists in filling the liquid container of a refrigerator with non-freezing solution, cooling said solution by means of a refrigerant separate from said solution, and slowly adding additional non-freezing solution to the first mentioned solution.

1,516,740. METHOD OF MAKING BEARINGS. WALTER A. KING, Ferndale, Mich., assignor of one-half to Frederick E. Davies, Ferndale, Mich. Filed Apr. 1, 1922. Serial No. 548,728. 5 Claims. (Cl. 29-149.5.)

1. In the art of producing bearings, bushings, and the like, a method for the production of lined half bearings

which method consists of shaping a flat piece of stock to provide a semi-cylindrical bearing body, trimming the edges of the bearing body relative to a center line thereof,



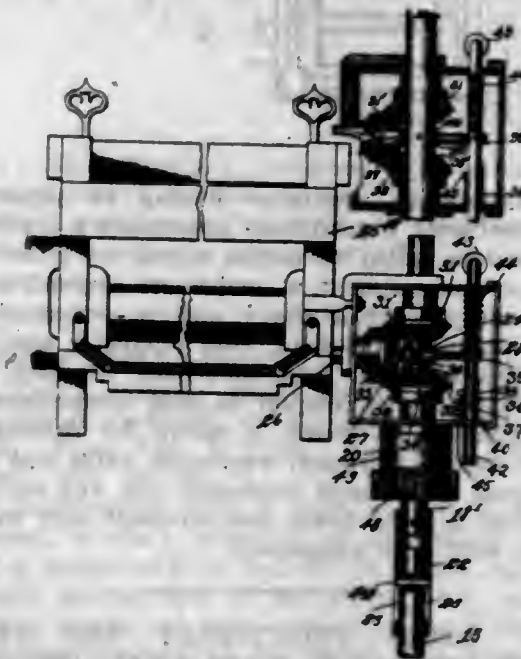
cleaning the inner wall of the bearing body, and then tinning and applying the lining material to the inner wall of the bearing body.

1,516,741. THERMOSTATICALLY-ADJUSTED SIGHT LINE FOR CHART SCALES. HERVEY S. KNIGHT, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 9, 1922. Serial No. 593,346. 7 Claims. (Cl. 265-69.)



1. In a scale having a chart and a reading line relatively to which the chart moves, means for thermostatically shifting the reading line to compensate for changes in initial position of the chart due to variations in temperature.

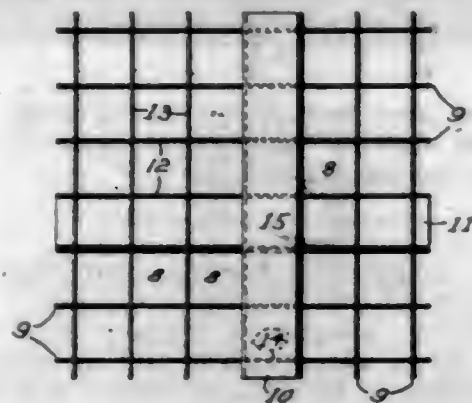
1,516,742. CLOTHES WRINGER. OLLIE L. LAFFERIER and NELSON A. LAFFERIER, Argyle, Minn. Filed Oct. 30, 1922. Serial No. 597,832. 3 Claims. (Cl. 74-59.)



1. The combination with a support having a shaft provided with loosely rotatable gears, and a clutch shiftable into alternate engagement with the gears, of a cam mounted on the support, a shaft slidable and rotatable

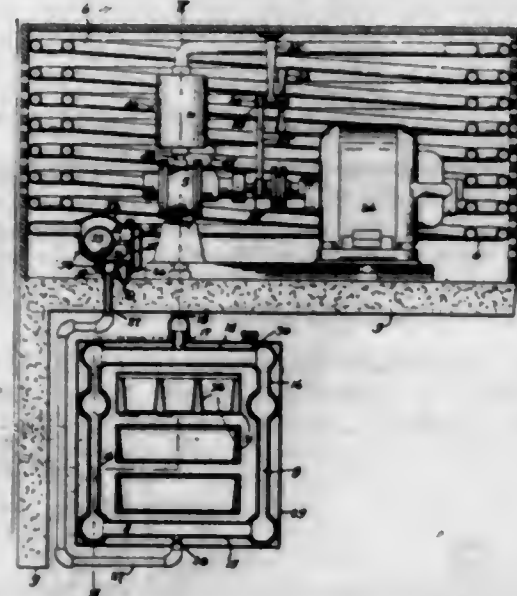
within the cam and having means engaging therewith for causing sliding of the shaft upon rotation thereof, and resilient means for urging the slidable shaft into engagement with the cam, and locking means between the cam and shaft.

1,516,743. CRATE. BERTHOLD A. LANGE, St. Louis, Mo. Filed Sept. 27, 1923. Serial No. 865,107. 7 Claims. (Cl. 217-35.)



1. A crate comprising a series of parallel walls, a second series of parallel walls intersecting the first-mentioned series of walls, and means integral with one of the said walls nearest the middle of a series for bracing the said wall against lateral flexing, and a diaphragm for closing an open side of the crate.

1,516,744. REFRIGERATING APPARATUS. WILLIAM HJALMAR LINDQUIST, Bayonne, N. J. Filed Feb. 17, 1922. Serial No. 537,201. 2 Claims. (Cl. 62-116.)

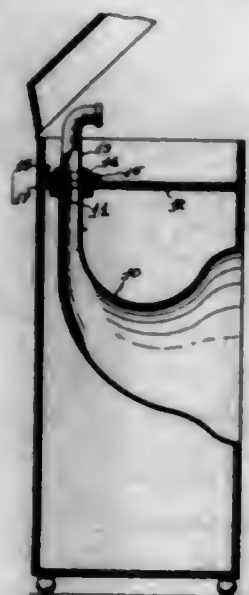


1. A refrigerating apparatus having an upper and lower compartment, a condenser comprising a continuous tube disposed in coiled formation about the inner walls of said upper compartment, a compressor element, a separator element positioned above and in communication with said condenser, a check valve laterally disposed with respect to said compressor, and in communication therewith, a motor for driving said compressor, said compressor, separator, valve and motor being disposed within said condenser coil, and an expansion chamber in said lower compartment and in communication with said compressor.

1,516,745. RADIO ATTACHMENT FOR PHONOGRAPHS. EDWARD E. LINAHAN, St. Paul, Minn. Filed Apr. 2, 1923. Serial No. 629,358. 3 Claims. (Cl. 179-100.1.)

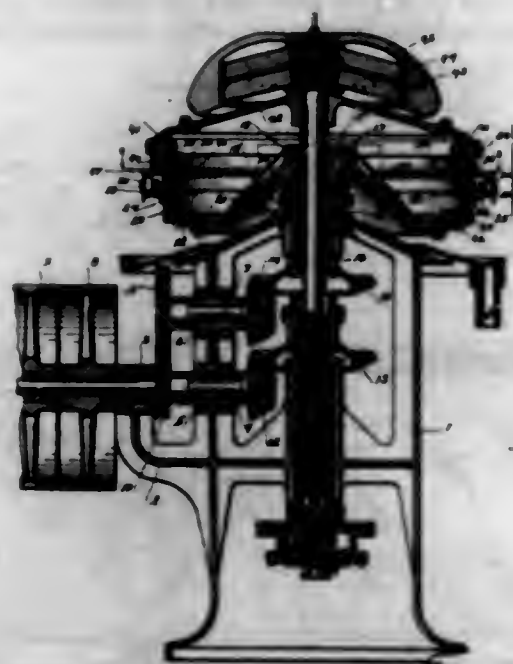
1. The combination with a phonograph including the usual amplifying horn and hollow tone arm base and also

with a radio sound producing instrument, of a slide supplying a mounting for said base and instrument, said slide traversing the receiving end of said horn and hav-



ing openings therethrough arranged to severally register with said end of said horn, one opening being in communication with said base and the other with said instrument.

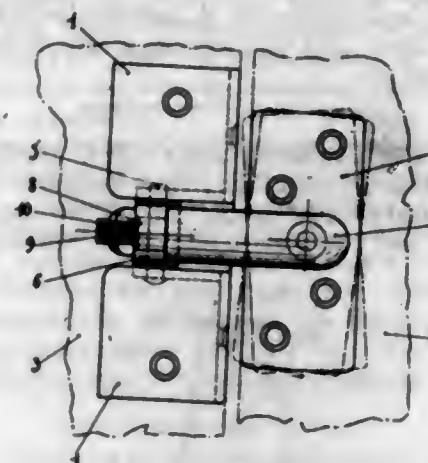
1,516,746. GRINDING MACHINE. HANS LUTZ, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed Aug. 30, 1920. Serial No. 406,960. 22 Claims. (Cl. 51-130.)



1. In a grinding machine for tapered rollers, a frame, a grinding ring, a roller supporting ring, means for mounting said rings on said frame to revolve about a common axis, one of said rings being arranged eccentrically to said axis, and means carried by said supporting ring for assisting it to move the rollers across the face of said grinding ring when said supporting ring is rotated.

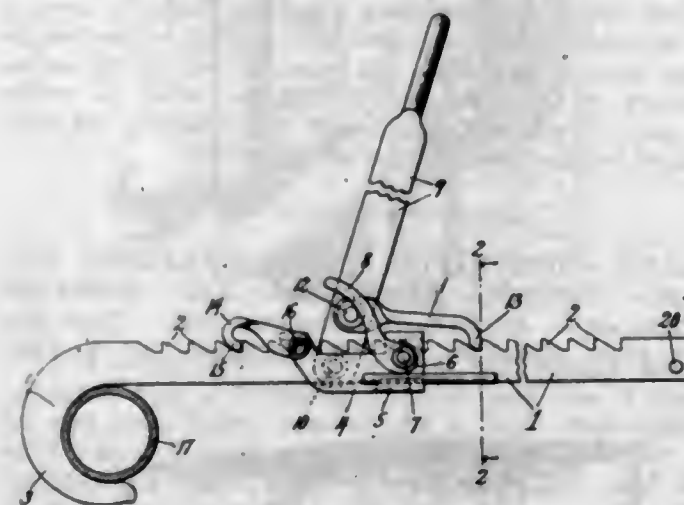
2. In a grinding machine for tapered rollers, a frame, upper and lower eccentrically mounted members carried by said frame, between which said rollers are disposed, one of said members having an inclined surface forming a seat for the rollers, a retaining ring having recesses in which said rollers are disposed and a series of supporting and grinding rollers for said retaining ring having vertical flanges adapted to prevent displacement of the retaining ring.

1,516,747. HINGE. GABRIEL MAILLE, Amiens, France. Filed Sept. 30, 1922. Serial No. 591,604. 5 Claims. (Cl. 16-103.)



1. In a hinge, the combination of coordinate fixed and movable members; and a swing bolt connecting said members and comprising two arms arranged to form a right angle and having their mutually-adjacent inner ends connected for relative pivotal movement in one plane, one arm having its outer end connected to the fixed member to enable bodily pivotal movement of the bolt as a unit in a second plane and the other arm having its outer end connected to the movable member for relative pivotal movement between that member and said other arm in a third plane.

1,516,748. DEVICE FOR TIGHTENING WIRES OR RODS. SIDNEY L. MODER, Chicago, Ill., assignor to Edward W. Everett, Chicago, Ill. Filed Feb. 26, 1912. Serial No. 679,806. Renewed Mar. 17, 1922. Serial No. 544,087. 1 Claim. (Cl. 254-71.)



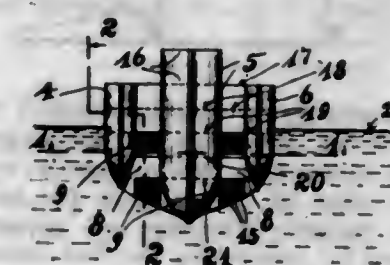
A wire-tightening device comprising a bar having teeth on one side thereof, means for holding said bar against longitudinal movement while the device is being used, a gripping block slidably connected with said bar and provided with means for gripping the wire, said gripping device located at one side of said bar so that the bar and the wire gripping by the gripping device are side by side, a handle pivotally connected with said gripping block, a dog pivoted to said handle and adapted to engage the teeth on the bar and a second dog pivoted to said gripping block and adapted to engage the teeth on the bar, and a cross piece connected with said bar and adapted to extend across a plurality of wires so as to support the device in an upright position.

1,516,749. POLISHING MACHINE. MONTA J. MOORE and MATHEW T. MEAGHER, Los Angeles, Calif. Filed Apr. 15, 1922. Serial No. 553,164. 2 Claims. (Cl. 51-117.)



1. A machine of the character described comprising a rotary polishing disk, a nonrotatable but revoluble wiping plate spaced from said rotary disk, said disk and said plate being spaced apart by and bearing upon spherical bodies to be polished, and a stationary carrier plate having separate circular body retaining apertures to maintain each of said bodies out of contact with one another and to permit universal rotation thereof.

1,516,750. SHIP CONSTRUCTION. CHARLES G. MUSKAT, Los Angeles, Calif. Filed June 7, 1922. Serial No. 566,506. 7 Claims. (Cl. 114-61.)

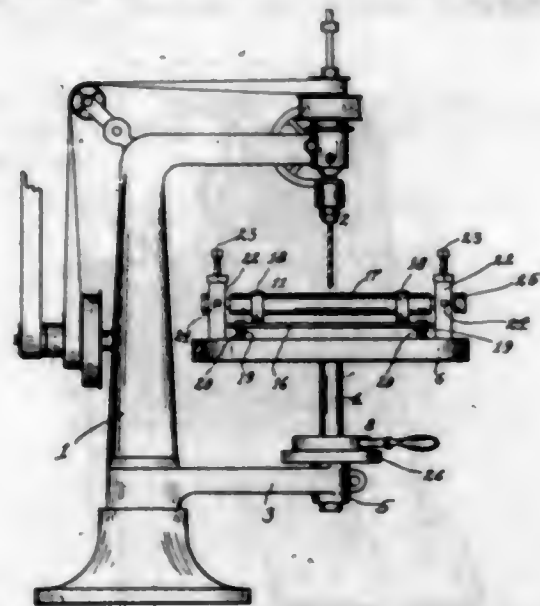


1. In a ship structure, complete ship bodies disposed and interconnected parallel to one another and forming longitudinal water tunnels within the structure between the bodies from bow to stern and below the surface of the water.

1,516,751. PORTING MACHINE. OSCAR PILLAR, Oakland, Calif., assignor to Vacuum Groove Piston Ring Corporation, Oakland, Calif., a Corporation of California. Filed Apr. 5, 1922. Serial No. 549,954. 5 Claims. (Cl. 77-63.)

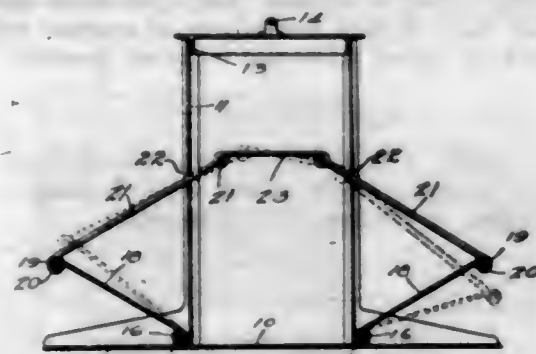
1. In combination with a work table and drill of a drill press, a chuck mounted on said work table for holding a piston ring in position to enable the drill to drill ports in the face of the piston ring, said chuck comprising a pair of jaws secured on said work table for engaging the face of the piston ring and a clamp, said clamp comprising a clamp plate, bolts extending through the ends of said clamp plate and seated in said work table on which bolts said plate is slidably mounted, springs surrounding said bolts between said

work table and said plate for normally holding said plate in its upper position above the piston ring, a clamp shaft, bearings mounted upon said work table in



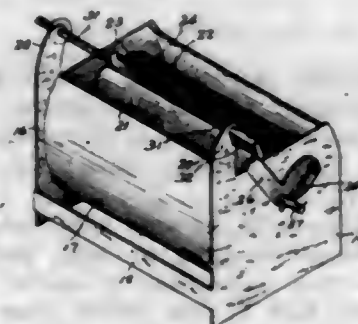
which said shaft is journaled, and cams on said shaft for engaging said clamp plate when the shaft is turned to press said plate down into clamping engagement with the piston ring.

1,516,752. POULTRY FEEDER. FRANK B. REILLY, Des Moines, Iowa. Filed July 23, 1923. Serial No. 653,173. 3 Claims. (Cl. 119-55.)



1. A poultry feeder of the class described comprising a base, a hopper on said base having a plurality of apertures in its sides, foot rests hingedly secured adjacent the lower edge of the sides of the hopper, said foot rests being inclined upwardly and outwardly from said hopper means for connecting the foot rests together, said last means extending through the hopper for agitating the feed therein.

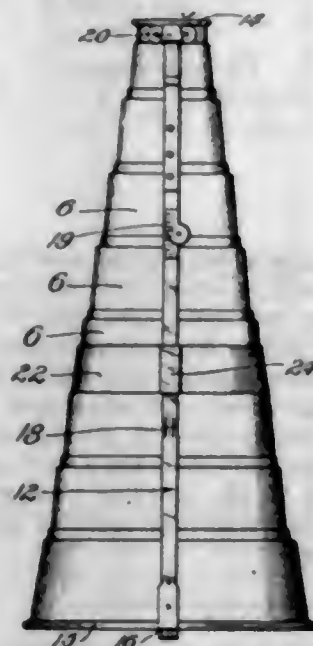
1,516,753. TIME SWITCH. FRED T. RICHARDS, Los Angeles, Calif. Filed Dec. 4, 1922. Serial No. 604,724. 9 Claims. (Cl. 200-33.)



1. A time switch comprising the combination of a container for liquid, a float bucket having a discharge opening at the top, said bucket being pivotally mounted in said container on an axis adjacent said opening so disposed that it may float in the liquid in said container

and having a seep hole for the passage of liquid into said bucket, whereby said seep hole being disposed so as to be below the level of the liquid in said container when said bucket floats therein, an electrical make and break mechanism operated by said bucket to close an electric circuit while said bucket is maintained in its upper position, and open said circuit when the bucket reaches its lower position.

1,516,754. MEGAPHONE AND THE LIKE. GEORGE SCHLUESSELBURG, Chicago, Ill., assignor of one-half to P. T. Harmon, Chicago, Ill. Filed Apr. 9, 1923. Serial No. 630,744. 3 Claims. (Cl. 181-27.)



3. As a new article of manufacture, a megaphone or the like comprising a series of units adapted to co-operate with each other, and means for retaining the units in working position with respect to each other to establish a substantially continuous member of generally conical formation comprising a pair of foldable arms at the opposite sides of the device, a pivotal connection between each of said arms and one end unit of the series, a socket on the other end unit of the series to receive the end of each arm, and means for retaining the arms against folding, substantially as described.

1,516,755. COMBINATION HAMMOCK, CARPET, RUG, AND BEDDING RENOVATOR AND PURIFIER. CHARLES O. SEAMAN, Des Moines, Iowa. Filed Feb. 13, 1923. Serial No. 618,757. 3 Claims. (Cl. 5-122.)



3. In a device of the class described, a hammock member, having spaced end members, flexible longitudinal cross members and anchoring ropes secured to said end members near the ends thereof, sockets on said end members, an extension wing comprising end members having elements adapted to enter said sockets, said wing having flexible longitudinal and cross members, anchoring ropes connected with the end members of the extension wing at the ends thereof, a common means connecting all the ropes at each end of the device, said end members being rigid and having legs pivoted thereto.

1,516,756. PRODUCING AROMATIC SUBSTANCES FROM PETROLEUM. HARRY M. WEBER, Bloomfield, N. J., assignor to Ellis-Foster Company, Montclair, N. J., a Corporation of New Jersey. Filed May 12, 1922. Serial No. 560,476. 19 Claims. (Cl. 260-116.)

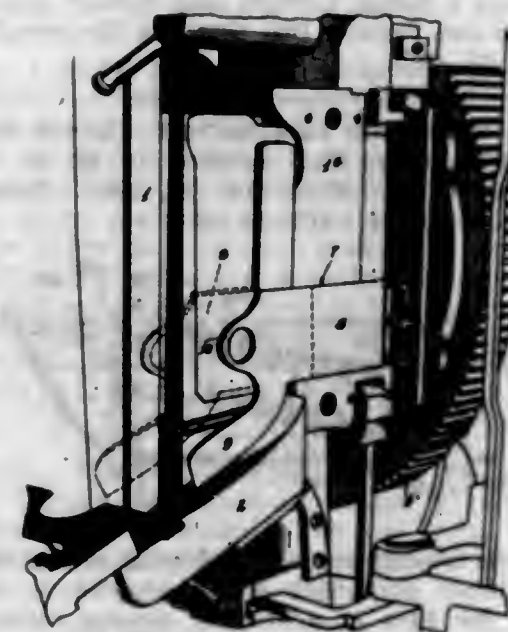
4. The process of producing valuable products from petroleum oils which comprises cracking petroleum oils at temperatures of 1000 to 1200 degrees F. and subjecting substantially all of the resulting cracked products to oxidizing conditions.

19. In the process of making oxidized products from cracked petroleum oils, the steps which comprise cracking oils to produce mixtures containing aliphatic and aromatic hydrocarbons, and oxidizing the cracked products in the presence of a heated catalyst to oxidize the aromatic hydrocarbons and leave the aliphatic hydrocarbons substantially unchanged, the temperature of the cracking operation being variable to allow the production of different types of oxidized products.

1,516,757. FUEL MIXTURE CONTAINING OXIDIZED PETROLEUM PRODUCTS. HARRY M. WEBER, Caldwell, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Apr. 13, 1923. Serial No. 631,912. 8 Claims. (Cl. 44-9.)

7. A motor fuel containing an oxidized petroleum product and an oxidized paraffin.

1,516,758. TYPE-BAR-CASTING MACHINE. CHARLES F. WERKS, Alameda, Calif. Filed Feb. 7, 1923. Serial No. 617,468. 5 Claims. (Cl. 199-59.)



1. In combination with a type bar casting machine having a vise, a trimming blade on said vise, a portion of said blade being removed and a knife block adjacent said trimming blade, and means on said blade for permitting the space between said blade and said knife block to be increased by removal.

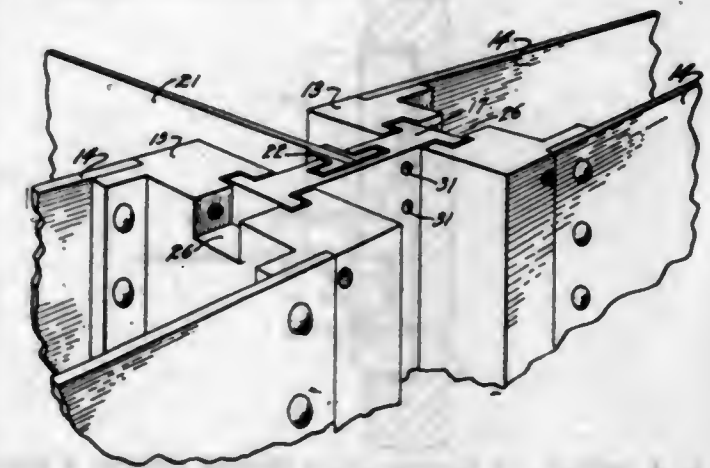
1,516,759. SOLDERING MATERIAL. SPONS WOOLUMS, Detroit, Mich. Filed May 31, 1924. Serial No. 717,139. 9 Claims. (Cl. 148-25.)

1. A composition of material for the purpose described, including animal fats, vegetable oils, and beeswax.

1,516,760. FORM FOR CONCRETE. REX E. CALLAGHAN, Denver, Colo., assignor of one-fourth to Clemens Sitterle, Denver, Colo. Filed Aug. 17, 1923. Serial No. 657,972. 6 Claims. (Cl. 25-131.)

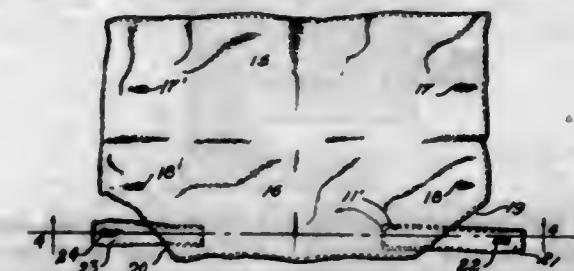
1. A sectional form for concrete comprising side sections; vertical grooves in the extremities of said sec-

tions; detachable vertical links engaging in said grooves and connecting said side sections; gates connecting said



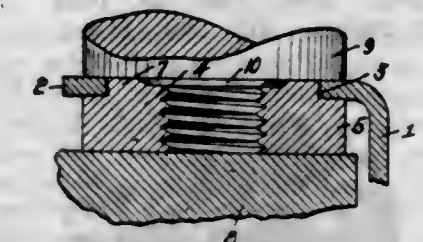
links at the opposite sides of said form and means for holding the sections at opposite sides of the mold in spaced relation.

1,516,761. CUFF. GEORGE P. CRAGIN, Spokane, Wash. Filed Dec. 15, 1922. Serial No. 607,196. 2 Claims. (Cl. 2-123.)



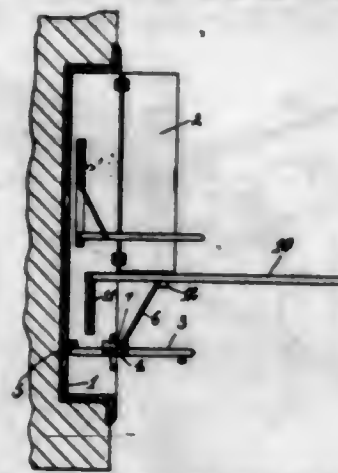
1. A soft reversible cuff foldable longitudinally to form an inner fold and an outer fold each having a pair of complementary cuff-button holes; the inner fold having a cut-away corner, and a button-hole tab secured at said corner and projecting beyond the straight edge of the cuff.

1,516,762. METHOD OF ASSEMBLING NUTS AND CASE MEMBERS. HUGH L. DECKER, Toledo, Ohio, assignor to The W. G. Nagel Electric Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 27, 1922. Serial No. 556,828. 1 Claim. (Cl. 29-148.)



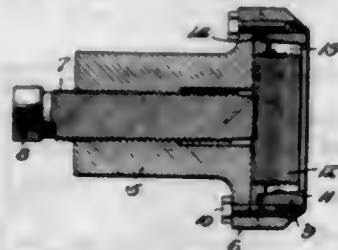
The method of rigidly securing metal members together to prevent relative turning movements thereof, which consists in providing one member with a non-circular aperture and in providing a second member with a substantially circular stud which has a circular and inwardly tapering depression in its end face to form a ring-like edge of substantially V-cross-section, then in applying pressure to the apex of the wall to expand the latter and completely fill the opening and in arresting and limiting the inward flow of the metal just prior to the completion of the expanding movement thereof to an extent to maintain the flowed metal spaced a predetermined distance from the central part of the second member.

1,516,763. CABINET IRONING BOARD AND SEAT. BENJAMIN R. DEXTER, Oakland, Calif. Filed Mar. 17, 1923. Serial No. 625,867. 3 Claims. (Cl. 45-51.)



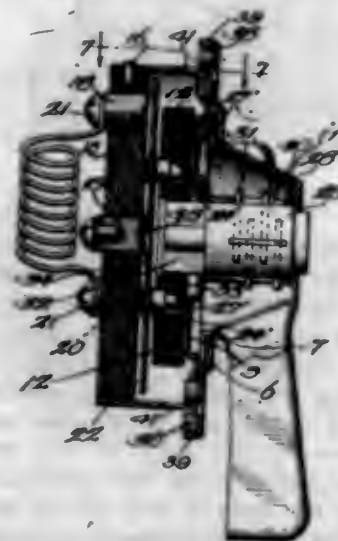
1. A cabinet, an ironing board pivoted therein, a seat pivoted in said cabinet, a back pivoted to said seat, and means on said board adapted to be engaged by said back to support the ironing board in a horizontal position.

1,516,764. HUB PULLER. GEORGE W. DICKINSON, Albion, Mich. Filed July 9, 1923. Serial No. 650,533. 4 Claims. (Cl. 29-55.)



1. A hub puller comprising a body having an annular outturned flange upon one end thereof and provided with an axial screw threaded bore, a thrust screw threaded into said bore and adapted to impinge the end of an axle shaft, a ring fixed upon the flange of said body member and having an internal beveled surface, an internally threaded jaw ring adapted to be screwed onto the threaded end of a wheel hub and arranged within said first named ring, said jaw ring having a beveled outer surface cooperating with the beveled inner surface of the first named ring for contracting the jaw ring upon relative outward displacement of the jaw ring, said jaw ring being provided with longitudinal slots extending inwardly from its outer edge for permitting its contraction.

1,516,765. ELECTRIC SWITCH. HARRY A. DOUGLAS, Bronson, Mich. Filed Jan. 30, 1923. Serial No. 615,862. 12 Claims. (Cl. 200-14.)



1. A switch structure including a casing having an end wall; a plate disposed at the end wall and upon the exterior of the casing, there being aligned openings

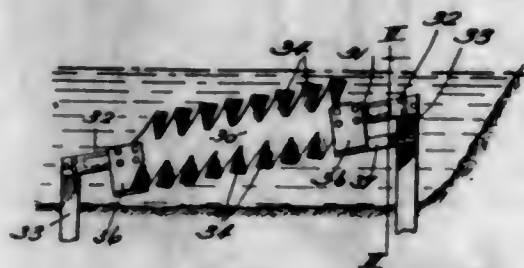
in the plate and end wall and a space between the plate and end wall; switching mechanism within the casing; and a switch handle having an accessible portion upon the exterior of the casing and another portion projecting into the casing and there assembled with the switching mechanism to enable the handle to operate such mechanism, said handle having a flange which is received in the space between the end wall and plate.

1,516,766. ELECTRIC SWITCH. HARRY A. DOUGLAS, Bronson, Mich. Filed Apr. 11, 1923. Serial No. 631,290. 10 Claims. (Cl. 200-44.)



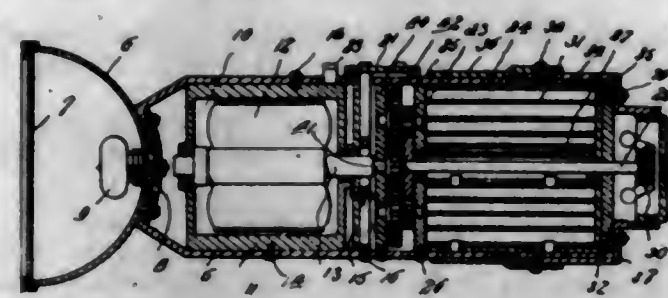
1. A lock switch including a contact carrier; a contact actuator; complemental contacts coupled with said carrier and actuator; a lock having a floating movable member included in a unitary structure with said contact actuator, and a shell enclosing the movable lock member; and a spring between said contact carrier and the movable lock member that positions the movable lock member in its shell.

1,516,767. CURRENT DEFLECTOR. LEWIS H. FALLEY, Kansas City, Mo., assignor to M. H. Falley, Kansas City, Mo. Filed May 19, 1922. Serial No. 562,142. 4 Claims. (Cl. 61-3.)



4. Current interrupting and deflecting means comprising a normally stationary device adapted to be submerged in the path of a steadily moving current and provided with a plurality of parallel rows of baffle blades of curved and twisted outline projecting in the path of the current and operative to break up and deflect the same at an angle to its normal path.

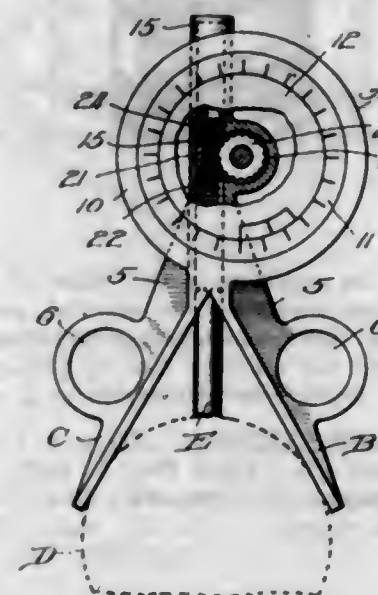
1,516,768. FLASH LIGHT. EDWARD H. FINDLAY, Fairfield, Iowa. Filed Apr. 17, 1923. Serial No. 632,649. 1 Claim. (Cl. 240-8.5.)



A flashlight comprising a casing, an electric generator located therein, a spring motor housed within the casing, transmission means connected with the shafts of the mo-

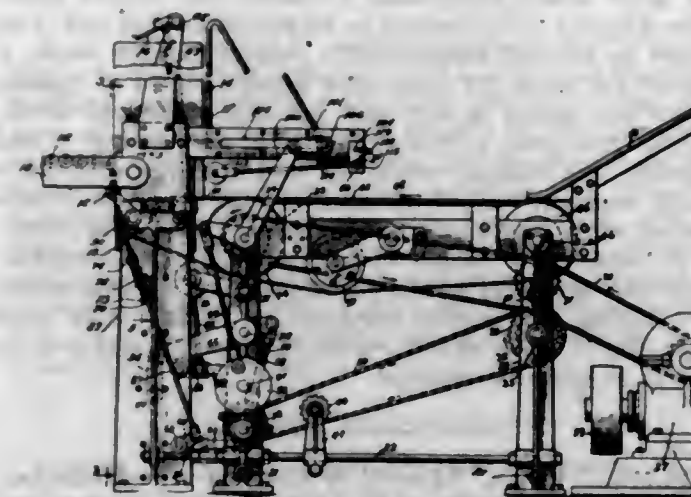
tor and the generator, an automatic governor carried by the shaft of the motor, brake arms pivotally mounted within the casing and disposed transversely of the shaft of the generator and positioned one at each side of the shaft of the generator and having end portions extending through the side of the casing, and a plate slidably mounted upon the casing and having a channel with converging walls which receive the ends of the arms between them.

1,516,769. MEASURING INSTRUMENT. WILLIAM J. GEIST, Joliet, Ill. Filed July 7, 1921. Serial No. 482,899. 4 Claims. (Cl. 33-178.)



3. In a device of the kind described, the combination of a body from which projects a pair of diverging jaws, a measuring device mounted on the body, and operating means therefor including a plunger movably arranged between the jaws and formed with a threaded stem, a slotted sleeve arranged upon the stem, means for locking the sleeve in a selected position of rotary adjustment upon the stem, and a pinion having spirally cut teeth adapted to project through the sleeve slot to engage with the stem threads, the pinion having operative connection with the measuring device, substantially as described.

1,516,770. STACKING MECHANISM. SIGWALD GRUNLEE, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Aug. 5, 1922. Serial No. 579,902. 34 Claims. (Cl. 271-87.)



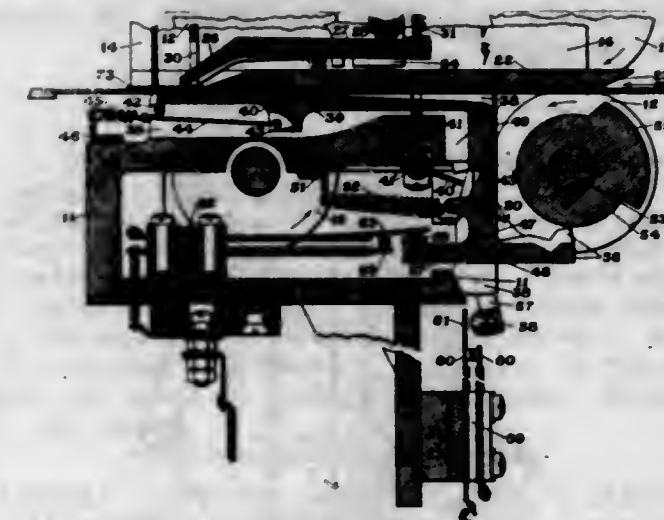
1. In a stacking mechanism, the combination of means for placing articles in stacked relation, means for limiting the number of articles placed in a stack by limiting the height of each stack, and means for moving said articles in stacked relation.

1,516,771. TIP-UP SEAT IN CINEMAS, THEATERS, AND THE LIKE. GEORGE HUGH HEDGES, Bristol, England. Filed May 18, 1922. Serial No. 561,806. 7 Claims. (Cl. 155-85.)



1. A tip-up seat comprising standards, pins on said standards, a seat removably associated with said standards, and spring clips on said seat turnable about said pins, said clips each consisting of a resilient strip bent upon itself with its free ends prisingly abutting and its closed end embracing the complementary pin.

1,516,772. TABULATING MACHINE. EUGENE M. LA BOITEAUX, Washington, D. C. Filed Mar. 1, 1924. Serial No. 696,235. 38 Claims. (Cl. 235-58.)

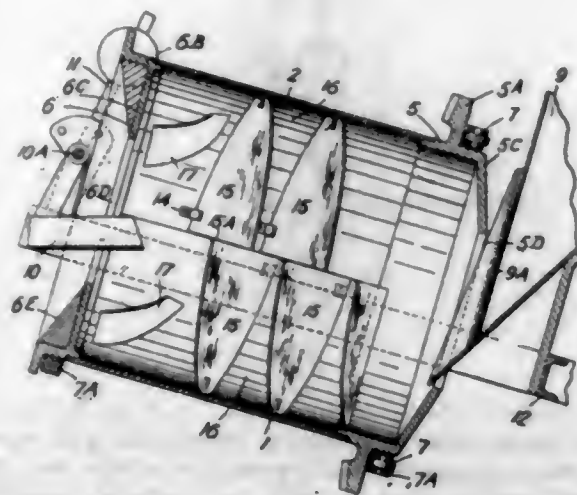


1. A tabulating machine for record cards, comprising an indexing mechanism adapted to operate successively upon record cards, means whereby mechanical elements will be actuated for establishing an electrical circuit remote from the indexing mechanism for each index point presented by a record card to said indexing mechanism, an individual counter-unit for each index column upon a card, means for interconnecting the individual counter-units whereby the results recorded by said units may be accumulative, and separate accumulative counter-units interconnected to the first-named counter-units whereby to enable any degree of recordation by said counter-units.

1,516,773. MACHINE FOR MIXING CONCRETE MIXTURES AND FOR WASHING SAND AND THE SOLID INGREDIENTS THEREOF. JOHN STUART LANCASTER, Warwick, England, assignor of one-half to John Faulder Burn, London, England. Filed Nov. 28, 1923. Serial No. 677,487. 5 Claims. (Cl. 83-73.)

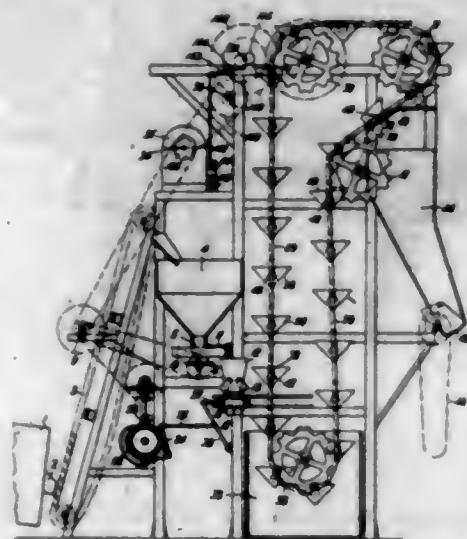
1. In a machine for mixing concrete, a cylindrical drum maintained for rotation with the axis thereof in-

clined, said drum having a central portion formed of two sections, semi-circular plates carried by the sections and so assembled that the chords of the semi-circular



plates will cross each other, and means for feeding material into the lower end of the drum and discharging the same from the higher upper end of the drum.

1,516,774. APPARATUS FOR COATING OR IMPREGNATING ROAD STONE OR OTHER MATERIAL. JOHN STUART LANCASTER, Warwick, England, assignor of one-half to John Faulder Burn, London, England. Filed Dec. 4, 1923. Serial No. 678,546. 10 Claims. (Cl. 94-42.)

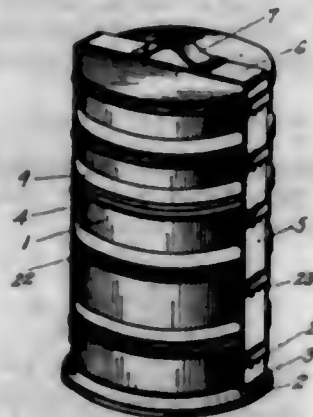


1. Apparatus for coating or impregnating road or other material, comprising a hopper into which the dried and heated material is fed, an endless series of perforated containers, means for transferring the material thereto from the hopper, a tank containing tar or other liquor into which the series of containers dips, means for causing the series to travel and the containers to be successively and completely immersed in the liquor and allow the latter to drain off while rising therefrom, and means for discharging the finished material from the containers.

1,516,775. FOOD CONTAINER. FRANCES E. MCCABSON, Kansas City, Mo. Filed May 14, 1923. Serial No. 638,809. 1 Claim. (Cl. 220-97.)

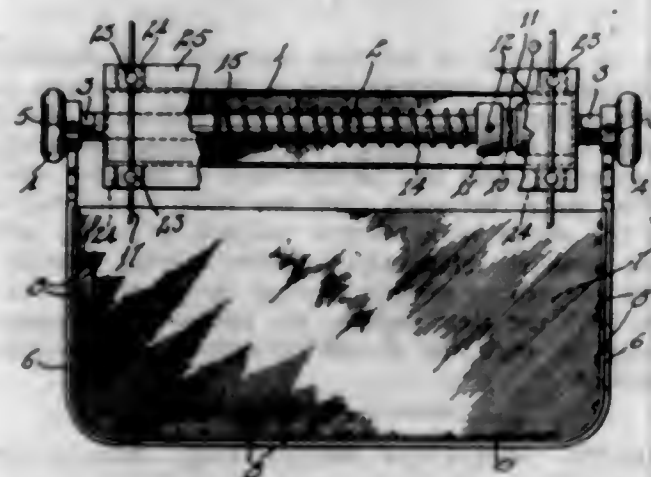
A food container comprising a carrier consisting of a base, a vertical frame on the base having horizontal grooves with openings in the bottom edges of the grooves

and a plurality of individual food receptacles, each having brackets with out-turned ends provided with



lugs to engage the openings in the edges of the grooves whereby the receptacles can be stacked one upon the other and secure the frame against sidewise movement.

1,516,776. GLARE SHIELD. FRANCIS CHARLES MCGUIRE, Macomb, Ill. Filed Dec. 1, 1922. Serial No. 604,393. 1 Claim. (Cl. 296-97.)

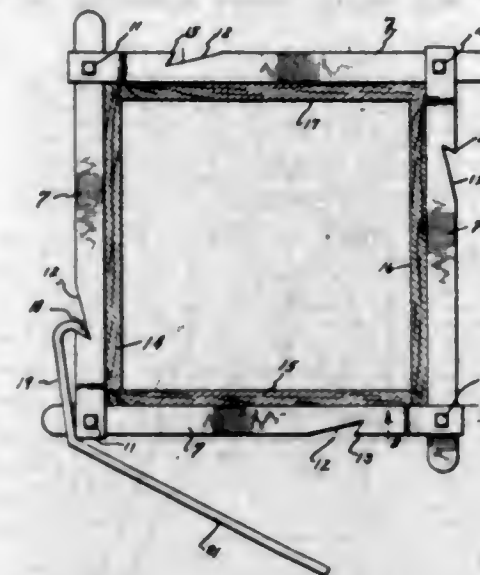


A glare shield comprising a casing, two spaced apart wires adapted to be carried by an automobile top and to be spaced in parallel relation with respect to each other, a pair of eye bolts for each wire being adapted to rigidly secure the casing in adjusted position along the wires, thereby providing a firm support for said casing, a rod rotatably and slidably carried by said casing, a stationary clutch member carried by said casing, a second clutch member rigidly secured to said rod, said rod being adapted to move said second clutch member out of engagement with said first named clutch member, yielding means for causing said clutch member to engage with each other and a glare shield rigidly secured to said rod to hold it in adjusted position.

1,516,777. FORM CLAMP. WILLIAM H. MESSACAR, Detroit, Mich. Filed Nov. 24, 1922. Serial No. 602,935. 4 Claims. (Cl. 144-291.)

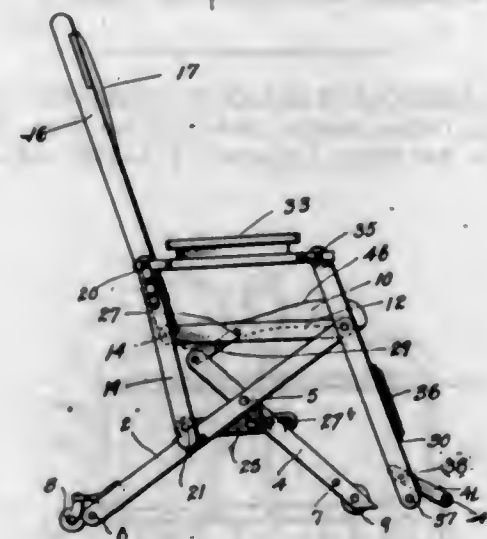
1. A form clamp comprising a plurality of clamping bars, each of said bars being adjustable longitudinally of one member and transversely of the other, when in operative relation to each other; a head carried by each of said members adjacent to and integral with one end;

said head being provided with an opening for the reception of one end of a co-operating bar, the walls of said head being uninterrupted, one of said walls having a



threaded opening formed therein; and a set screw adapted for threading in said opening for binding a pair of said bars in fixed relation to each other.

1,516,778. CHAIR. FRANK M. NAVSMITH, Kansas City, Mo. Filed Mar. 15, 1924. Serial No. 699,451. 3 Claims. (Cl. 155-109.)

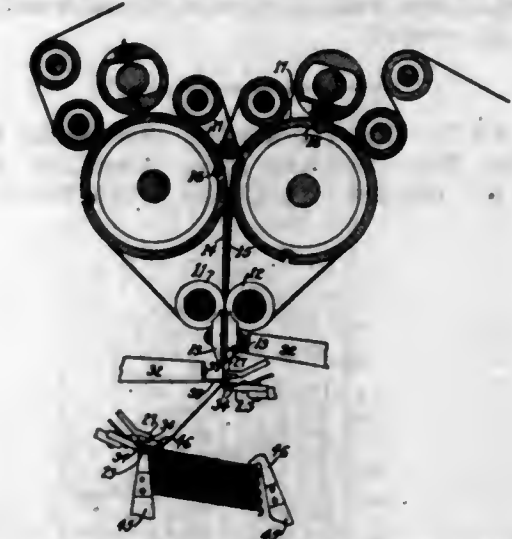


1. A reclining chair comprising front legs and rear legs, the front legs being pivoted to the rear legs intermediate their ends, a seat frame pivoted to the front ends of the rear legs, a back pivoted to the rear end of the seat frame, back supporting braces pivoted at their upper ends to the back, a rod to which the braces are connected, seats on the rear legs for receiving the rod, links carried by the rod and having slotted portions, a rod connecting the front legs and extending through the slotted portions of the links and connections between the upper ends of the front legs and intermediate portions of the seat frame.

1,516,779. PAPER-INTERFOLDING MACHINE. JAMES A. NICHOL, Green Bay, Wis., assignor of one-half to Joseph L. Hoslett and one-sixth to John T. Neugent, both of Green Bay, Wis. Filed Sept. 26, 1922. Serial No. 590,614. 5 Claims. (Cl. 270-39.)

1. A machine of the character described, comprising paper interfolding mechanisms, each having oppositely timed folding and gripping jaws, means for moving each

mechanism on major and minor axes to effect an elliptical path of movement thereof, means for tucking paper webs between the jaws at one point of movement thereof,



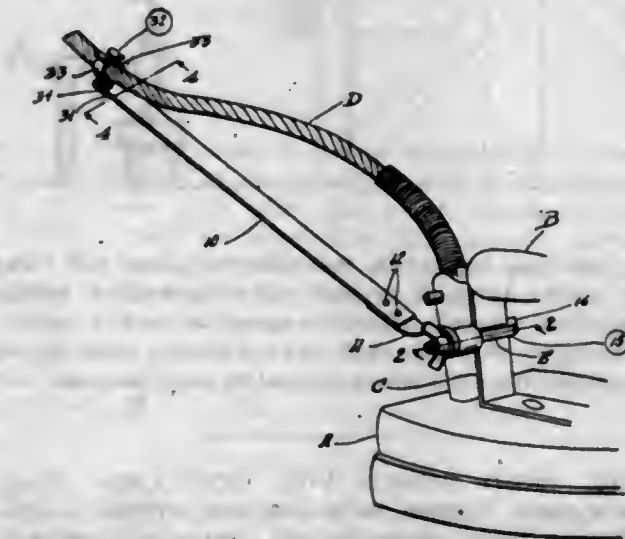
means for opening and closing the gripping jaws relative to the folding jaws at predetermined intervals, and mechanism for removing the folded paper from between the jaws.

1,516,780. DESK CALENDAR. WALTON E. NICKLIN, Pryor, Okla. Filed Mar. 19, 1924. Serial No. 700,295. 3 Claims. (Cl. 40-120.)



3. In a device of the class described, a support including a table, a pin upstanding from the table adapted to engage a calendar located on the table, a frame hinged to the support adapted to engage the forward edge of a calendar to hold the forward edge of a calendar on the table, a retainer located adjacent to the rear edge of the table and adapted to engage the rear edge of a calendar, the retainer receiving the pin, and means for connecting the retainer detachably to the support.

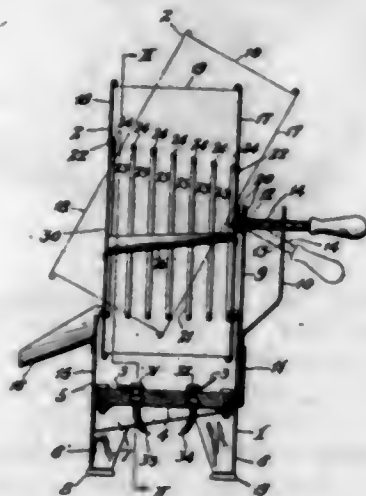
1,516,781. CONDUIT SUPPORT FOR ELECTRICAL APPARATUS. OSCAR FABIAN NYLEN, Chicago, Ill. Filed May 21, 1923. Serial No. 640,331. 4 Claims. (Cl. 219-25.)



1. A sadiron attachment including a member adapted to be releasably clamped to a portion of the handle of the sadiron, a member inclined upwardly and rearwardly from the sadiron, an extension on said member

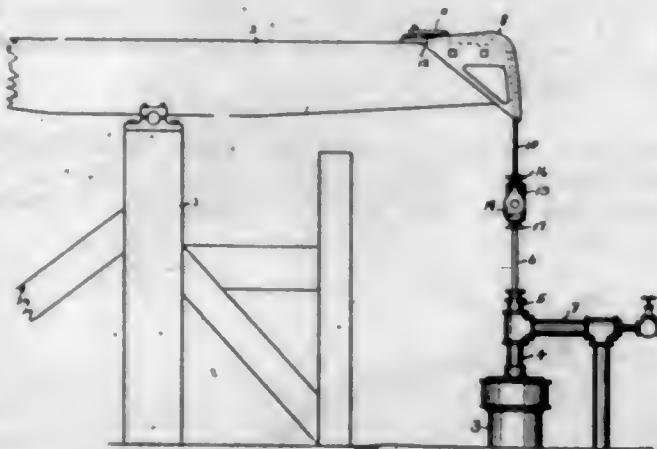
having a portion offset relatively to the longitudinal axis of the inclined member and detachably carried by the first named member, and a bifurcated clip at the upper end of the inclined member for releasable attachment to the conduit.

1,516,782. CORN POPPER. FREDERICK H. OBER-SCHMIDT, East Cleveland, Ohio. Filed Jan. 17, 1924. Serial No. 686,824. 11 Claims. (Cl. 53-4.)



1. In a corn-popper, a stationary element, a heating element carried by said stationary element, a single revoluble drum supported at one end only, and tiltable relatively to the stationary element and heating element, supporting means carried by said stationary element, and a shaft secured to said drum extending outwardly from one end thereof and revolubly and detachably mounted on said supporting means.

1,516,783. PUMPING APPARATUS. THOMAS O'BOYLE, West Columbia, Tex., assignor to Rex G. Hamaker. Filed Dec. 19, 1922. Serial No. 607,765. 11 Claims. (Cl. 74-5.)

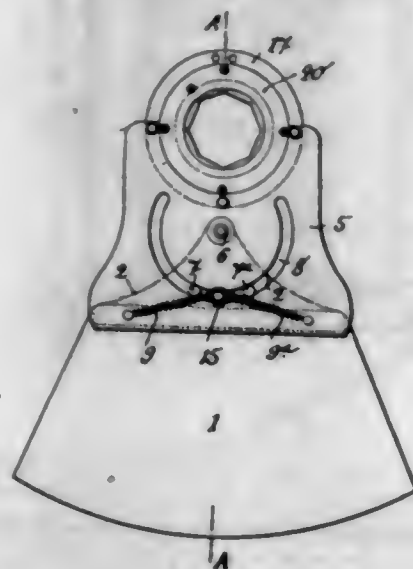


1. A pumping apparatus including a polish rod clamp, a rope socket pivoted to each side thereof, a walking beam casting formed with side grooves, and a yoke, a cable working through said yoke and in said grooves whose respective ends are attached to said sockets.

1,516,784. MUD GUARD FOR VEHICLES. VICTOR JOSEPH OGIER, Chelles, Seine-et-Marne, France, assignor to Florent Teste, Paris, France. Filed Mar. 13, 1922. Serial No. 543,375. 2 Claims. (Cl. 280-156.)

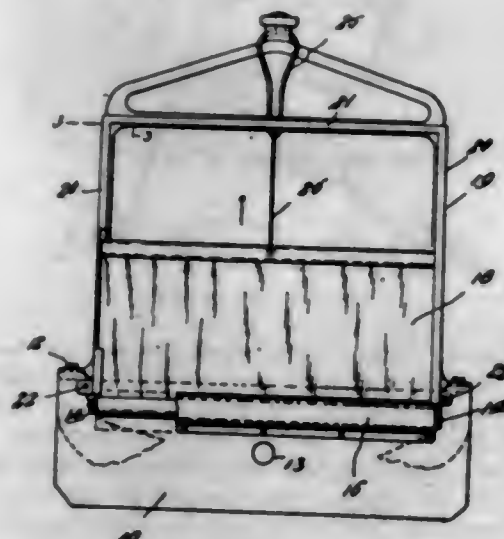
1. In a mud-guard for vehicles comprising an oscillating flap, a support to be suspended from the centre of a wheel and pivotally connected with said flap,

elastic means adapted to yieldably retain the said flap in an operative position, a bolt mounted upon the said flap to one side of its centre of oscillation and slidable in an approximately circular slot formed in the said support, the said elastic means consisting of springs



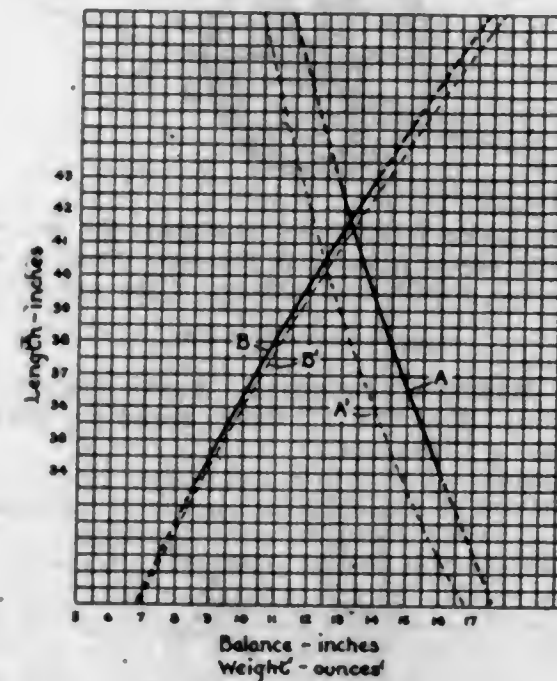
secured to the movable bolt of the said flap and extending in opposite directions and having their other ends secured to said support, the attaching point of the springs to the said bolt being nearer the center than their attaching point upon the support.

1,516,785. VEHICLE RADIATOR CURTAIN. WILLIAM H. PRATT, Cumminsville, Nebr. Filed May 28, 1923. Serial No. 641,823. 1 Claim. (Cl. 257-132.)



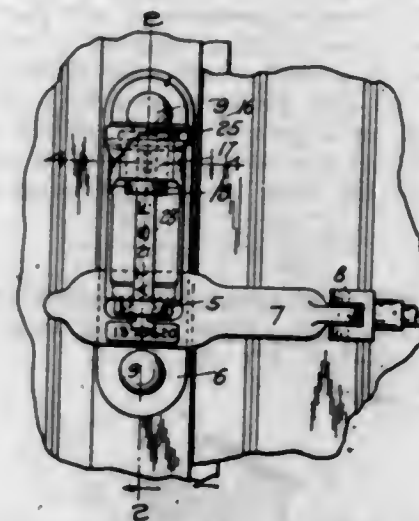
In combination with an automobile radiator, a re winding roller journaled at the lower end to the frame thereof, a curtain sheet arranged to wind upon the roller and adapted to move vertically along the front of the radiator, an elongated loop member loosely hung upon the filling tube of the radiator and having its lower portion disposed along the front side of the top portion of the frame and extending below the lower edge of the said top portion of the frame, and a cord connected at one end with the free end portion of the curtain and trained through the lower portion of the said loop member, and through the core of the radiator.

1,516,786. SET OF GOLF CLUBS. IRVING R. PRENTISS, Philadelphia, Pa. Filed Apr. 18, 1921. Serial No. 462,302. 10 Claims. (Cl. 46-4.)



1. A set of golf clubs comprising clubs of various weights and lengths characterized by the fact that the weight-length product of each of the clubs is substantially the same.

1,516,787. CAR SEAL. CHARLES S. RAILSBACK, Colorado Springs, Colo. Filed Nov. 30, 1921. Serial No. 518,918. 14 Claims. (Cl. 292-282.)

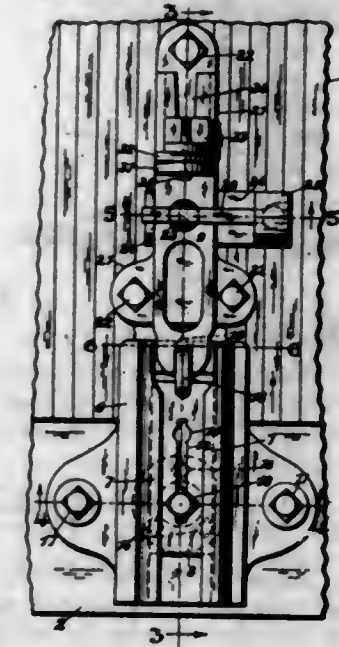


1. The combination with a fastening and a locking bolt thereof, of a seal comprising a headed strap-member, a locking-member on the bolt, having a passage to receive the strap-member, and means to fasten the strap-member in said passage, and a movable lid on the fastening adapted to cover the passage.

1,516,788. SEAL LOCK. CHARLES S. RAILSBACK, Colorado Springs, Colo. Filed Apr. 21, 1923. Serial No. 633,728. 22 Claims. (Cl. 292-282.)

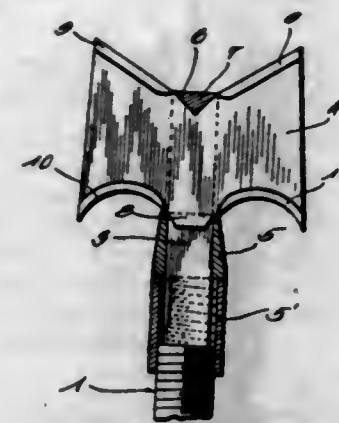
1. A seal lock for car doors, comprising in combination with a railway car, two elements connected respectively to a door and to a relatively stationary part of

the car, one of the elements having a staple and a lug spaced apart for the application of a car seal, a car seal including a strap connecting the staple with the



lug, and a hasp on the other element, adapted to cooperate with the staple to secure the door in its closed position.

1,516,789. LINOLEUM CUTTER. DAVID H. RASSNER, Peru, Ind. Filed Nov. 20, 1922. Serial No. 602,101. 1 Claim. (Cl. 30-9.)

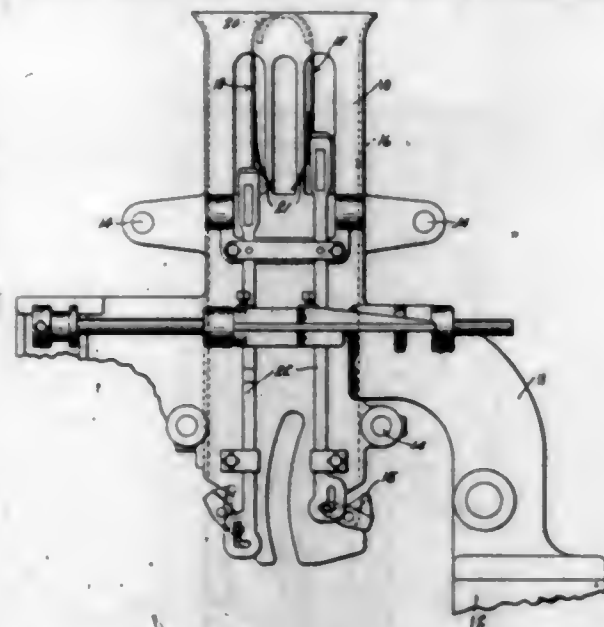


A device of the class described comprising a shank having a hand-grip at its rear end and a longitudinal slot in its front end, said slot being closed at both ends, a blade removably received in said slot and contacting with the front end thereof, the front edge of said blade being formed with a notch receiving the front end wall of the slot, and the rear edge of said blade being formed with a projection, and a tubular blade-holder threaded on said shank, the projection on said blade being received in the outer end of said holder.

1,516,790. WEFT-CARRIER MAGAZINE. OSCAR W. RICHARDSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 22, 1922. Serial No. 602,625. 5 Claims. (Cl. 139-245.)

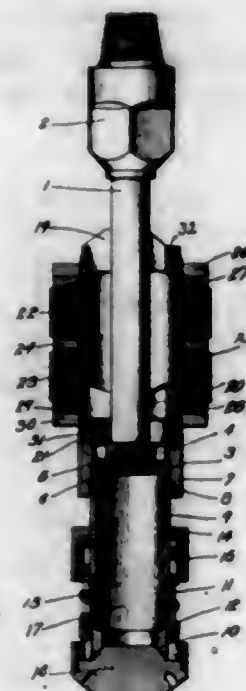
1. In a weft carrier magazine, an end frame having a plurality of substantially vertical guide ways for the

butts of the weft carriers, said guide ways being effective to grip the sides of said weft carrier butts at the op-



posite ends of the diameter thereof during normal operation of the loom, and means to release the grip upon the weft carrier butts upon indication of transfer.

1,516,791. OIL-WELL SWAB. LUTHER ROBINSON, Eldorado, Kans. Filed Dec. 9, 1921. Serial No. 521,096. 6 Claims. (Cl. 103-225.)



1. An oil well swab comprising a stem, an open ended tube longitudinally slidable on said stem, a piston ring carried by the tube intermediate its ends, the diameter of the piston ring being greater than the diameter of the tube whereby the ring constitutes a piston, a tubular member supported by the stem against the upper end of which the tube may rest to close the lower end thereof, and a normally seated overload valve for closing one end of the tubular cylindrical member, said valve unseating in response to the weight of the oil above it.

1,516,792. EGG BEATER. WELLS G. RUGGLES, Quincy, Mass., assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Sept. 18, 1922. Serial No. 588,973. 3 Claims. (Cl. 259-134.)

1. A device of the kind described comprising a rotary shaft and an agitator attached thereto, said agitator com-

prising a disk having a series of blades struck therefrom, certain of said blades being struck downwardly and cer-



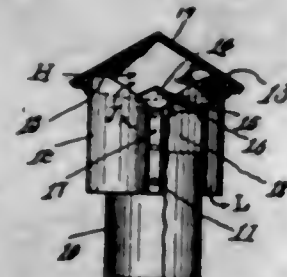
tain of said blades being struck upwardly, the free ends of all of said blades pointing in the same direction with relation to the direction of rotation of the agitator.

1,516,793. WINDOW SCAFFOLD. FRANK SAMUEL, Detroit, Mich. Filed Dec. 17, 1923. Serial No. 681,268. 4 Claims. (Cl. 304-24.)



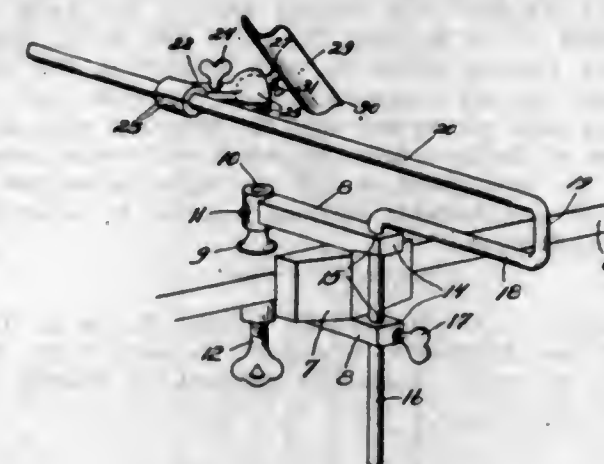
3. A window scaffold comprising a platform; a resilient supporting member mounted on said platform having an angularly turned portion adapted to engage the inclined surface of a window sill with which used; a supporting arm for said platform projecting therefrom and provided with an angularly turned portion adapted for engaging the sash of a window with which used; and adjustable means for securing said supporting arm to said window sill.

1,516,794. CHIMNEY AND VENTILATOR TOP. GEORGE O. SAFF, Tallula, Ill. Filed June 16, 1922. Serial No. 568,737. 1 Claim. (Cl. 98-4.)



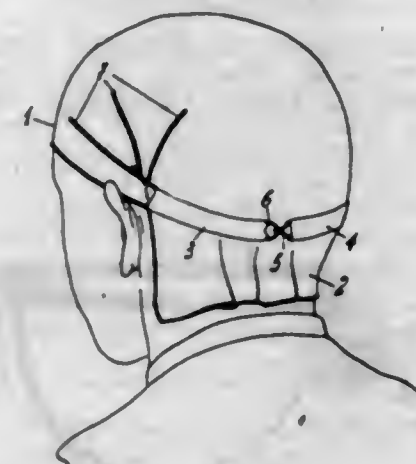
In a chimney cowl, a cylindrical body, a seat bent to provide a plurality of semi-cylindrical smoke conductors provided with an upper scalloped edge, the lower portion of said sheet fixed to the upper portion of said cylindrical body whereby the conductors extend above the body, a conical shaped cap mounted on the inside of the sheet forming the conductors so as to be disposed a distance above the upper end of the cylindrical body, and a second conical shaped cap mounted on the upper ends of the sheet formed on the scalloped edge of the sheet thereby being disposed a distance above the first cap.

1,516,795. LIMB SUPPORT FOR OPERATING TABLES. LOUISE SCHWARTING, St. Joseph, Mo. Filed July 14, 1922. Serial No. 575,012. 5 Claims. (Cl. 45-50.)



1. A limb supporting structure for operating tables comprising a bracket adapted for attachment to the table, a horizontal supporting arm having a shank portion vertically adjustable within said bracket and also rotatable therein about a vertical axis to permit said arm to be swung horizontally into different positions over the table, a supporting element carried by said arm and adjustable longitudinally thereon and also angularly with reference to the horizontal axis of said arm, means for fixedly securing said element in any of its adjusted positions, a limb rest carried by said supporting element and adjustable thereon angularly in any direction, and clamping means independent of said first means for fixedly securing said limb rest in any of its angular positions relative to said supporting element.

1,516,796. HAIR-DRESSING CAP. LEON A. SEILAZ, Zurich, Switzerland. Filed Apr. 7, 1921. Serial No. 459,458. 1 Claim. (Cl. 132-49.)

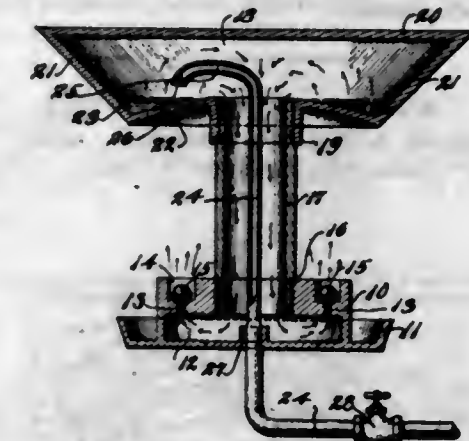


A hair dressing cap of resilient textile fabric comprising a front portion shaped to fit the forehead and a rear portion forming a flap to cover the back of the head and neck, bands fixed to opposite sides of the front portion and arranged to be interconnected and to pass across said flap and hold the cap tightly on the head, the said front portion of the cap being provided with elastic seams which radiate from the angles between the front portion and the flap where the latter joins the former.

1,516,797. OIL BURNER. ARTHUR G. SLOCUM, Ensign, Kans. Filed Feb. 9, 1923. Serial No. 618,001. 6 Claims. (Cl. 158-63.)

3. An oil burner comprising a burner member having a chamber at its base, a vapor feed pipe extending upward from said chamber, a vaporizing retort mounted

upon the upper end of said pipe and provided with inwardly inclined side walls merging into a convex base portion disposed to provide a fuel reservoir at the base



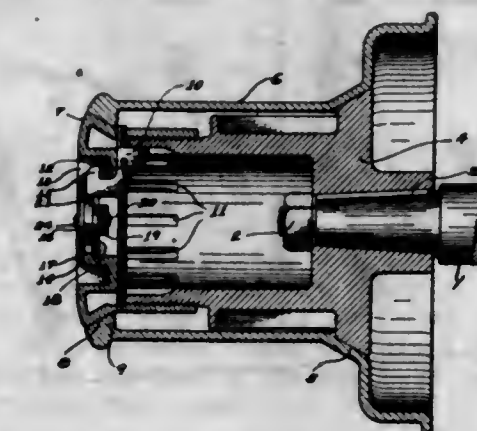
of the vaporizer, and a liquid feed pipe extending through said vapor feed and having a deflected upper end to discharge downwardly into said reservoir.

1,516,798. GAME APPARATUS. WALTER D. STRIKER, Downers Grove, Ill. Filed Feb. 15, 1923. Serial No. 619,115. 3 Claims. (Cl. 46-25.)



1. A pack of cards for use in playing a game simulating trade transactions, the cards being divided into groups which represent distinctive raw products and manufactured articles, with groups of other cards to indicate margin of profit, a complete set of cards of the first group and a plurality of similar cards of the second group constituting a winning hand substantially as shown and described.

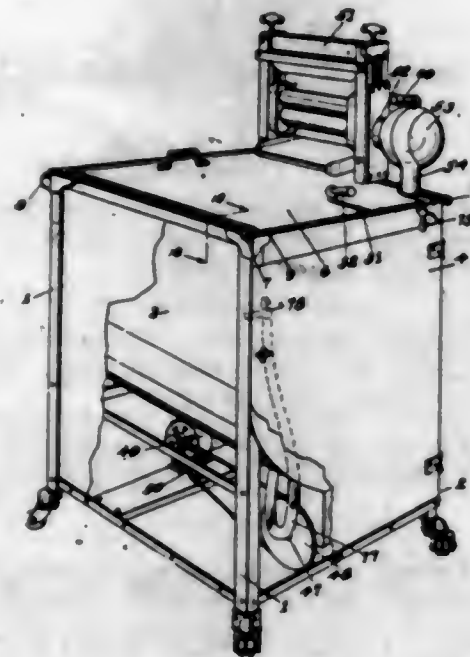
1,516,799. DEMOUNTABLE-WHEEL-LOCKING DEVICE. JOHN L. THEOBALD, Stenton, Pa. Filed Jan. 9, 1922. Serial No. 528,073. 6 Claims. (Cl. 301-9.)



1. In a device of the class described, in combination, a hub cap adapted to be turned onto and off from a hub member, a spring-pressed detent adapted to prevent turning movement of said hub cap relative to said hub

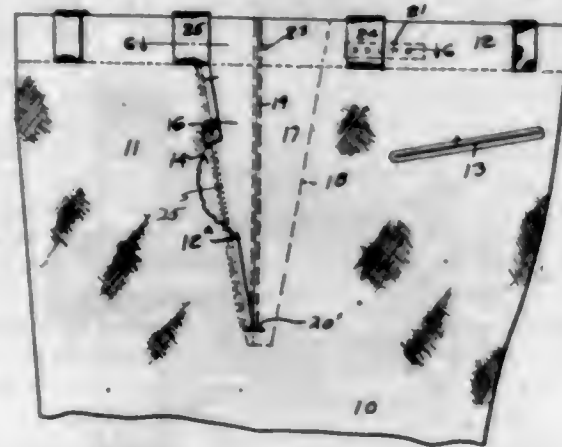
member, and a locking device for said detent, including a substantially circular rotatable stop having an opening in its periphery adapted to be moved into the path of movement of said detent.

1,516,800. WASHING MACHINE. CARL J. VELEY and WILLIAM S. FORBES, Kalamazoo, Mich. Filed Oct. 4, 1919. Serial No. 328,360. 1 Claim. (Cl. 74-50.)



In a structure of the class described, the combination of a main frame comprising corner uprights, a receptacle mounted therein with one end in a spaced relation to the plane of the adjacent corner uprights, a door hinged to one corner upright to close against the other providing a gear housing, and a gear supporting frame formed as an integral casting mounted upon said corner uprights within said housing and independent of said receptacle, said supporting frame having an integral gear box at its lower end adapted as a lubricant receptacle.

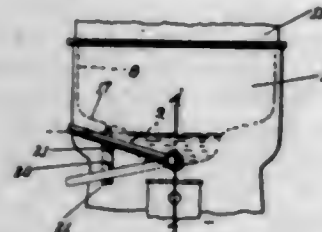
1,516,801. ADJUSTABLE TROUSERS. MORRIS WEINER and GEORGE S. WEINER, Bicknell, Ind., assignors of one-third to Percy W. Gladden, Worthington, Ind. Filed July 18, 1924. Serial No. 726,854. 1 Claim. (Cl. 2-237.)



A pair of trousers comprising front and rear hip portions carrying leg portions, a side pocket upon each side of the trousers and carried entirely by the front hip portion, a downwardly tapering foldable portion arranged

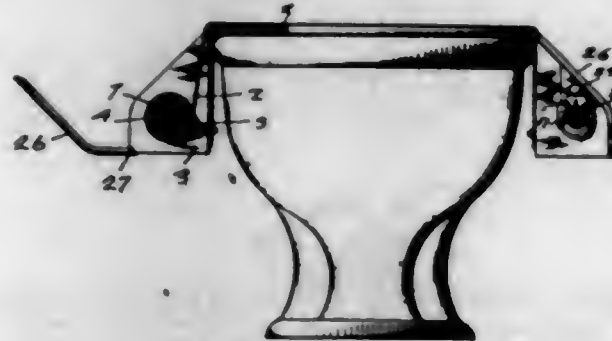
between the front and rear hip portions and extending from the waist band to a point near the lower end of the edge of the pocket, said downwardly tapering foldable portion folding upon lines extending longitudinally thereof whereby such folding adjusts the waist band and hips of the trousers, the outer side of the foldable portion lapping forwardly with respect to the pocket whereby the lap produced extends forwardly with relation to such pocket and will not interfere with the insertion of the hand into the pocket, and means arranged near the waist band to lock the upper overlapped portions of said foldable portions together in selected adjusted positions.

1,516,802. LIQUID-OUTLET PIPE. DAVID E. WELLMAN and HUBERT J. WELLMAN, Modesto, Calif. Filed Feb. 14, 1923. Serial No. 618,906. 3 Claims. (Cl. 137-21.)



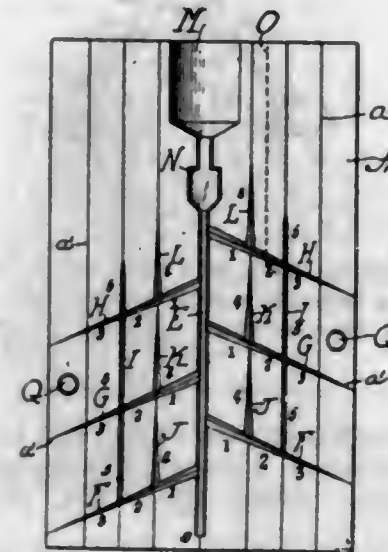
1. A drain structure for water tanks comprising a drain pipe open at its outer end mounted for rotative movement in a vertical plane and connected to the tank at the bottom thereof, vertically spaced stops mounted in the path of movement of the pipe, and means for moving the upper stop out of the way of the pipe to enable the latter to be moved downwardly into engagement with a lower stop.

1,516,803. SANITARY TOILET-SEAT ATTACHMENT. JOHN L. WHEELER, Pittsburg, Calif. Filed May 1, 1923. Serial No. 635,838. 4 Claims. (Cl. 4-247.)



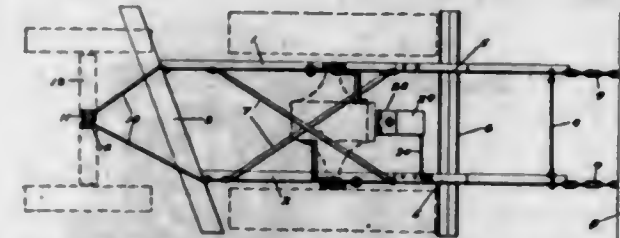
1. In a sanitary attachment for toilet seats, a roller detachably mounted upon each side of a toilet seat; a sleeve mounted upon each roller to receive a paper web detachably connected to each roller and passing over the seat and having apertures therein arranged to register with the seat aperture; and expanding and contracting mechanism mounted within each roller and arranged to expand and contract to engage the sleeve thereon and to rotate said sleeves in either direction when engaged, whereby apertures in the paper web may be moved to register with the seat aperture.

1,516,804. METHOD AND APPARATUS FOR GAUGING CASTINGS. ERWIN L. WILKE, Hammond, and JAMES O. JOHNSTONE, East Chicago, Ind., assignors to Metal Refining Company, Hammond, Ind., a Corporation of Indiana. Filed Apr. 5, 1923. Serial No. 629,985. 12 Claims. (Cl. 22-200.)



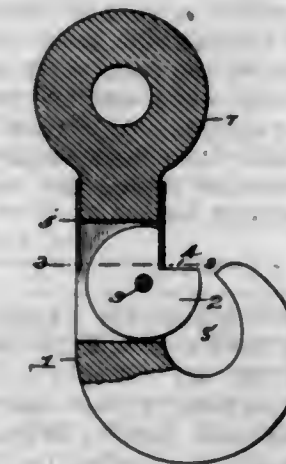
1. The method of determining the highest grade of castings from any given metal, which consists in determining the mold and metal temperatures required for such castings.

1,516,805. ROAD-GRADING DEVICE. FREDERICK D. WILSON and LEONARD S. BURNS, Ottumwa, Iowa, assignors, by mesne assignments, to Austin Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 22, 1922. Serial No. 576,703. 23 Claims. (Cl. 37-148.)



1. In combination with a portable frame, a slidable frame formed of spaced apart runners, having arched portions near their rear ends; a cutting blade at the forward end of said slidable frame; a leveling device supported in said arched portions; means for attachment of the forward end of said slidable frame to the forward part of the portable frame; and means for communicating the weight of the portable frame to the slidable frame, at a point between said cutting and leveling devices.

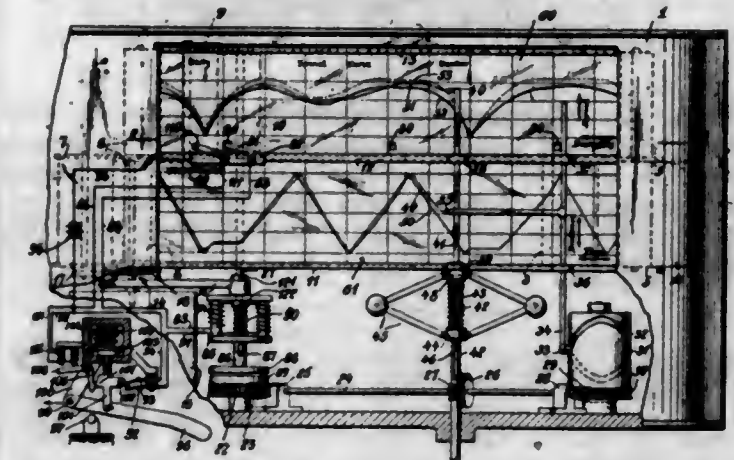
1,516,806. HOOK. BEN AMRIN, Bucoda, Wash. Filed Apr. 29, 1924. Serial No. 709,790. 2 Claims. (Cl. 24-241.)



1. In a self-locking hook, a shank with a hooked terminal, having mortised and pivoted in said shank and extending slightly therefrom, a vertical disk a portion of

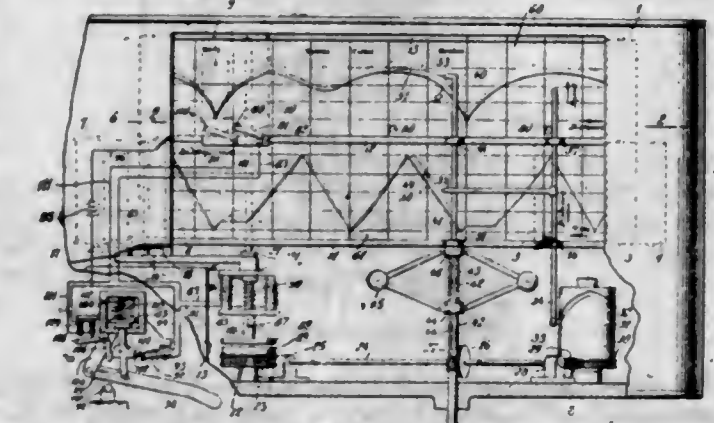
which is cut away, and said disk so rotatable and weighted as to be capable of automatically closing the entrance to and exit from the space within the arm of said hooked terminal.

1,516,807. SPEED AND DISTANCE INDICATOR AND RECORDER. HARRY L. DUNCAN, Brooklyn, N. Y. Filed Mar. 11, 1913. Serial No. 753,495. Renewed Dec. 16, 1916. Serial No. 137,446. 32 Claims. (Cl. 18-12.)



1. In combination, a distance feed record adapted for use in distance or speed recorders or indicators and having thereon route related indications, a record feed device to feed said record in substantial proportion to the distance travelled by the vehicle and, at a rate somewhat faster than corresponds to said indications, record aligning means comprising aligning devices at intervals in said record, a stop device actuated thereby to intermittently hold said record in aligned position, and controller devices controlling said stop device and adapted to be disengaged when the vehicle cooperates with a route member along the route of the vehicle and start the feeding of said record.

1,516,808. SPEED AND DISTANCE INDICATOR AND RECORDER, ETC. HARRY L. DUNCAN, Mahwah, N. J. Filed Aug. 28, 1919. Serial No. 320,356. 52 Claims. (Cl. 234-31.)

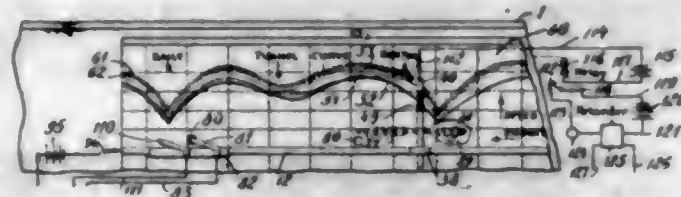


1. In speed recorders or indicators, a distance feed record having thereon a maximum allowable speed schedule, adjustable speed record feeding devices adapted to adjust the speed at which said record is normally fed with respect to the speed of the vehicle, a speed indicating device cooperating with said record to produce a momentary speed indication in connection with said schedule, and cooperating means to indicate the relation of the distance travelled by the vehicle to the schedule distance for the same time.

1,516,809. SPEED-INDICATOR RECORD DEVICE. HARRY L. DUNCAN, Ridgewood, N. J. Filed Dec. 29, 1921. Serial No. 525,013. 38 Claims. (Cl. 246-182.)

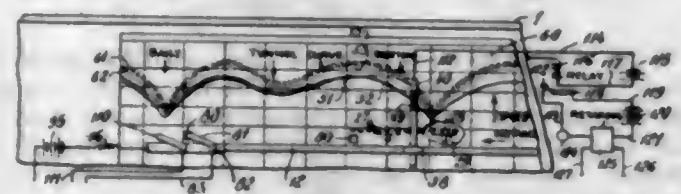
1. The distance feed, paper tape record, adapted to cooperate with the distance feed device of a speed or

distance indicator or recorder, and having thereon route indications, a standard speed schedule and a cooperating maximum speed schedule adapted to indicate the maximum allowable speed for the various parts of the route in connection with an actual speed indicator indicating the corresponding actual momentary speed of the vehicle,



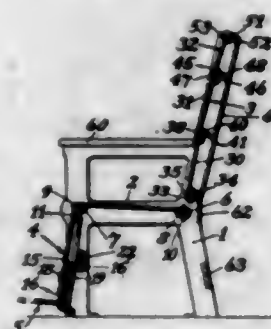
hicle, and an emergency actuating schedule on said record including perforations therein adapted to cooperate with an electric emergency actuating circuit including said actual speed indicator and effect an emergency actuation when the speed of the vehicle becomes excessive at any part of the route.

1,516,810. SPEED-INDICATOR RECORD DEVICE. HARRY L. DUNCAN, Ridgewood, N. J. Filed Apr. 26, 1924. Serial No. 709,173. 15 Claims. (Cl. 246-182.)



10. The insulating faced record, adapted to cooperate with an indicator or recorder, and having thereon an electrically conductive emergency actuating schedule line including interlocking portions of said schedule line extending through said record and engaging perforations in the face of said record and forming on the back of the record electrically conductive means electrically connected with said schedule line.

1,516,811. ADJUSTABLE CHAIR. CLARENCE G. EDWARDS, Los Angeles, Calif. Filed Dec. 14, 1923. Serial No. 680,606. 1 Claim. (Cl. 135-158.)

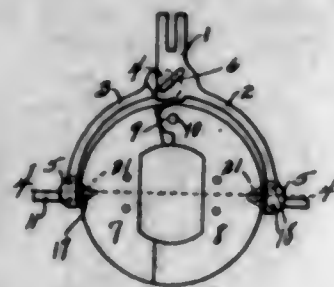


A chair comprising side frame members provided with corresponding transverse slots, a back comprising a plurality of sections formed with inter-engaging knuckles at their meeting edges, bolts extending respectively through said corresponding slots and through the interengaging knuckles respectively, nuts on the ends of said bolts for engaging said side members respectively, and a seat for the chair mounted between said side frame members.

1,516,812. ROLLER-BEARING SWIVEL WRENCH PLATE. WILLIAM H. ELLINGER, Wichita Falls, Tex. Filed Aug. 1, 1921. Serial No. 489,036. 7 Claims. (Cl. 81-119.)

1. A swivel wrench plate comprising a carrier in two parts consisting of curved arms hingedly connected together, a wrench plate support consisting of two curved members hingedly connected together at their rear sides

and having a detachable tongue and groove connection at their front sides, transoms for mounting said curved supporting members on said curved arms having ball and

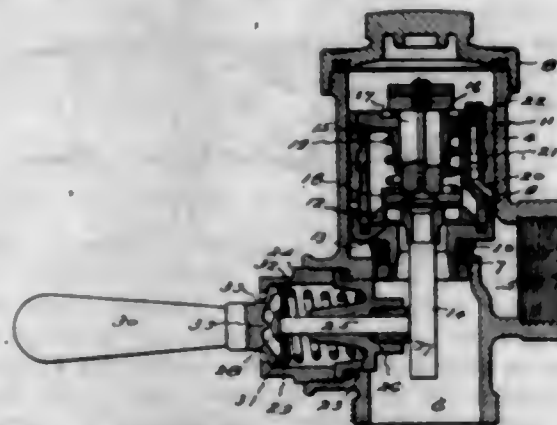


socket connections with said curved carrier arm, and a wrench plate rotatably mounted on said support and consisting of two members hingedly connected at their rear edges.

1,516,813. PROCESS FOR TREATING CALCIUM CARBIDE. GEORGE J. FERGUSON, Philipsburg, Pa. Filed Mar. 5, 1924. Serial No. 697,158. 3 Claims. (Cl. 48-218.)

1. A process for treating commercial calcium carbide which comprises treating the carbide with lard oil, heating the so-treated carbide while exposing it to the action of the lard oil vapors, allowing the carbide to cool and then moistening it with kerosene.

1,516,814. FLUSHOMETER. MICHAEL H. FLYNN, Hartford, Conn., assignor to The Hartford Valve Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 25, 1922. Serial No. 590,306. 2 Claims. (Cl. 137-93.)

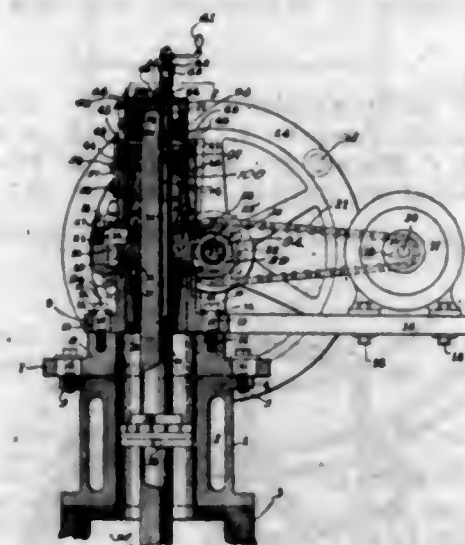


1. A flushometer comprising a casing with an intake, an outlet and a valve seat intermediate the intake and outlet, a main valve with a passage through it fitted to and movable in the casing on the intake side toward and from the valve seat, an auxiliary valve carried by and adapted to be positively reciprocated for opening and closing the passage through the main valve, a stem fixed to the auxiliary valve and extending downward into the passage through the main valve, a universal rocker lever carried by the main valve and adapted when tilted to engage the lower end of the auxiliary valve stem and raise the auxiliary valve from its seat, a spring carried by the main valve and engaging the auxiliary valve stem and normally closing the auxiliary valve, and means for rocking said lever.

1,516,815. BORING MACHINE. ALBERT F. FROUSSARD, St. Louis, Mo. Filed Feb. 6, 1922. Serial No. 534,466. 8 Claims. (Cl. 77-2.)

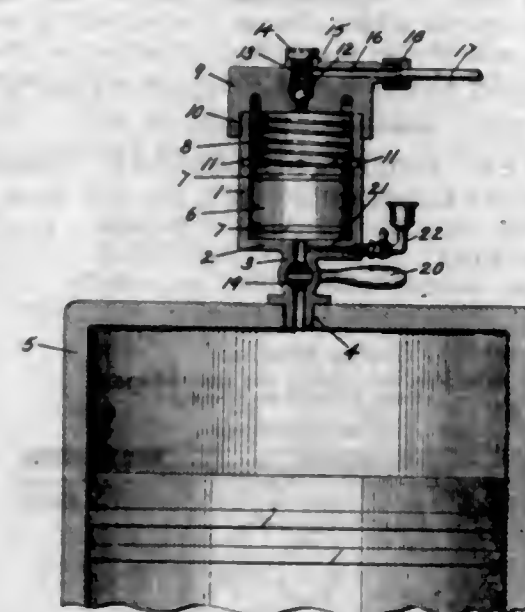
1. In a boring machine, a shaft and means for rotating same, a cutter-head fixed to the shaft for rotation therewith, and means for feeding the cutter-head longitudinally of the shaft contemporaneously with the rotation of the latter, said means comprising a cap plate

fixed on the shaft, a worm carried by the plate, a feed screw threadedly engaged with the cutter-head, a worm wheel driven from the said worm and loosely mounted on the said shaft, a stationary boxing providing a bearing



for the said cap plate, co-operative gearing carried by the said boxing and the said worm for effecting rotation of the latter during the revolution of the shaft, and means for placing the said loose worm wheel into and out of driving relation with the said feed screw.

1,516,816. AIR PUMP. WILFORD J. HAWKINS, New York, N. Y. Filed Oct. 14, 1921. Serial No. 507,603. 1 Claim. (Cl. 123-198.)

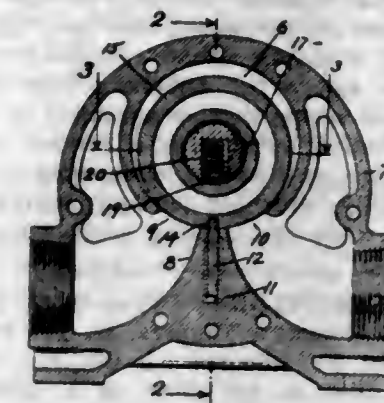


An air pump provided with a hollow stem adapted to be screwed into an engine cylinder to establish explosion pressure communication between said cylinder and said pump, a cutoff valve operative in said stem, and a priming device in communication with the interior of said stem above said valve, said pump having a cylinder with intake ports in its wall, a spring-pressed and pressure operated plunger working in said cylinder, and an outlet port in the cylinder head.

1,516,817. ROTARY PUMP. WILFORD J. HAWKINS, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Apr. 19, 1923. Serial No. 633,112. 6 Claims. (Cl. 103-132.)

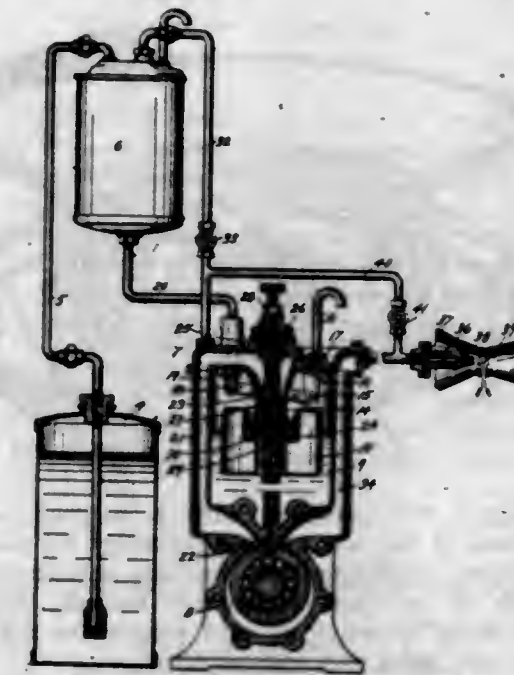
1. In a rotary pump, the combination with a cylinder having an opening in its peripheral wall, of a piston in

said cylinder, means for producing an orbital movement of said piston in said cylinder, a casing having a party wall extending to the periphery of said cylinder and



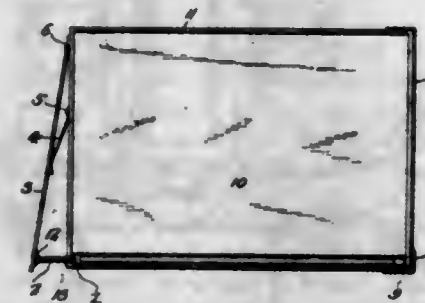
dividing said opening into two ports and provided with an internal skew slot open to said cylinder, and a skew vane hinged to said piston and working in said slot.

1,516,818. CARBURETING APPARATUS. WILFORD J. HAWKINS, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a Corporation of New Jersey. Filed Feb. 29, 1924. Serial No. 695,908. 17 Claims. (Cl. 158-36.)



1. A carbureting apparatus comprising a source of fuel oil supply including a vacuum tank, a carburetor receiving oil from said source, and a pump actuating said tank and said carburetor and receiving mixture therefrom and delivering it under pressure.

1,516,819. MATCHBOX. SADIE B. JOHNSON, Holt, Ala. Filed June 25, 1923. Serial No. 647,606. 2 Claims. (Cl. 206-27.)



1. In a matchbox of the character described, a false bottom rigidly attached to the bottom and one side of said box extending nearly to the opposite side thereof, a groove between the false bottom and said opposite side

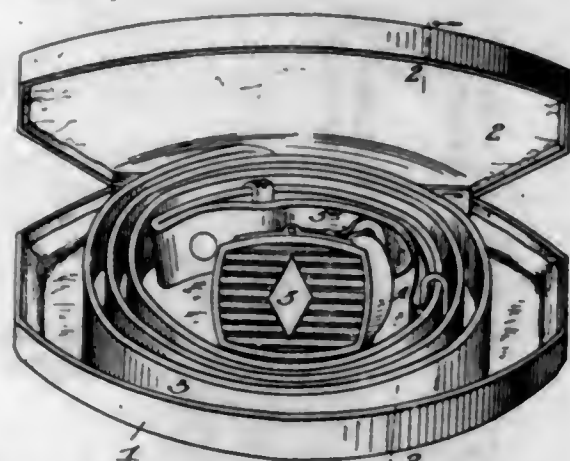
forming a magazine, an opening in one end of said box in line with said magazine, an opening at the opposite extremity of said magazine and in line therewith, an ejecting member slidably arranged in the opening last aforesaid, means for projecting said ejecting member into the magazine, a spring-member, attached to the means last aforesaid, means for attaching said spring-member to the box, said spring-member arranged to automatically return the ejecting member to a neutral position when not in operation, and means comprising a flexible band for automatically returning partially ejected matches to the container when the ejecting member is released.

1,516,820. SKIN FILLER. WILLIAM A. JOHNSON and ARTHUR W. ROBERTS, Yonkers, N. Y. Filed Mar. 26, 1921. Serial No. 456,043. 6 Claims. (Cl. 107-9.)

1. A skin filler in the form of a plastic semi-fluid pasty mass comprising a water soluble gum, a soap and a resinous substance.

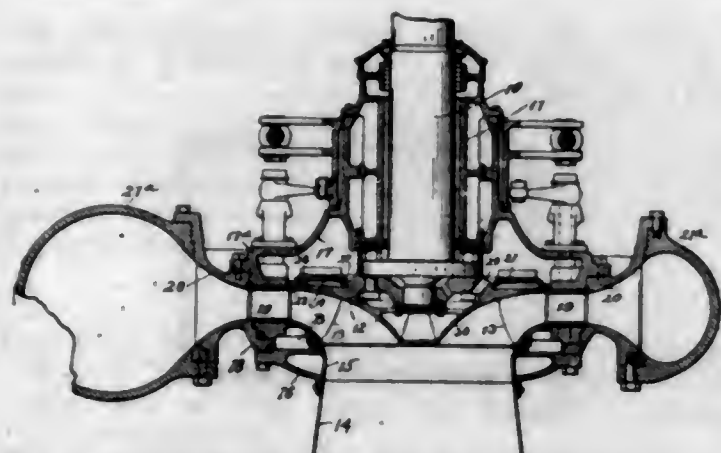
6. A skin filler in the form of a plastic semi-fluid pasty mass comprising dextrine, a soap, colophony, and an antiseptic preservative.

1,516,821. DISPLAY BOX. FRANK F. KNOTHE, Ridgewood, N. J., assignor to Knothe Brothers Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 9, 1922. Serial No. 580,658. 1 Claim. (Cl. 206-44.)



A display box provided with a support secured to the bottom of the box at approximately its mid-portion, said support extending from the box bottom toward its open side at an angle to the box bottom, the sides of the box being spaced from said support to admit a belt between said sides and said support.

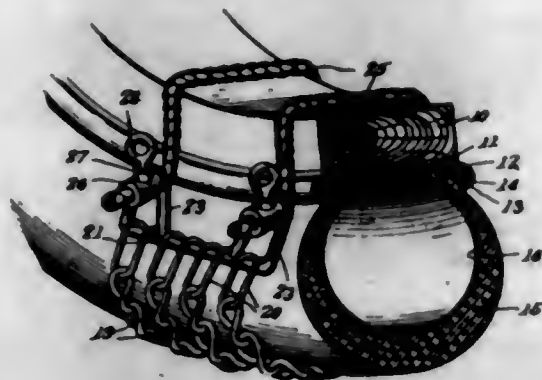
1,516,822. WATER TURBINE. DANIEL J. MCCORMACK, Cleveland, Ohio, assignor, by mesne assignments, to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed July 15, 1922. Serial No. 575,144. 11 Claims. (Cl. 253-122.)



1. In a water turbine, a runner, a stationary part within which the periphery of the runner rotates, a chamber above the runner, said chamber having a rela-

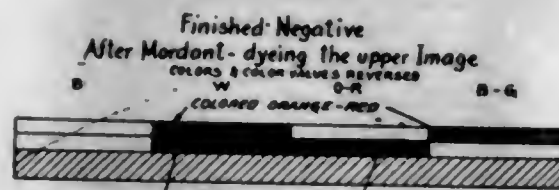
tively free outlet for the water and having a tortuous passageway or labyrinth seal constituting its inlet and located between the upper part of the runner and the associated stationary part, said parts and passageways being constructed and arranged to cause the pressure above the runner to be materially less than below the same.

1,516,823. ANTISKIDDING DEVICE. WILLIAM W. MCNAUGHTON, Newark, N. J., assignor of one-half to Frederick C. Fischer, Jr., Newark, N. J. Filed Dec. 17, 1923. Serial No. 681,118. 6 Claims. (Cl. 152-14.)



4. A non-skid device for vehicle tires comprising a series of chains transversely disposed over a portion of the tire surface, rods engaged in the end links of each chain on each side of the tire, said rods having loops near their ends, a rope engaging the loops of one of said rods and extending over the inner surface of the wheel felly to engage the loops of the opposite chain rod, sleeves adjustable on the extending ends of said rope, said sleeves preventing retraction of the rope, and means for clamping said sleeves in adjustment.

1,516,824. COLOR PHOTOGRAPHY. LEOPOLD D. MANNEN and LEOPOLD GODOWSKY, Jr., New York, N. Y. Filed Feb. 20, 1923. Serial No. 620,260. 14 Claims. (Cl. 95-2.)

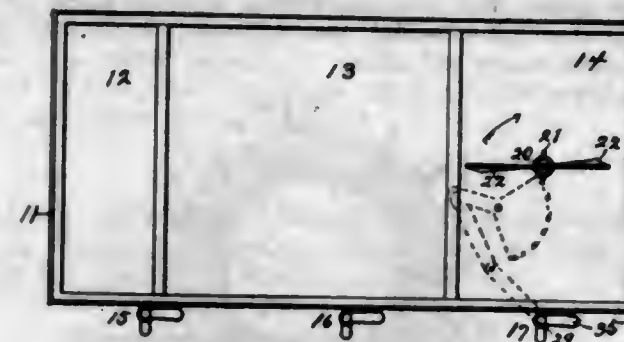


1. A method of producing a color photograph comprising forming in layers of emulsion sensitized respectively to record different color values, a plurality of superimposed latent images of different color sensations, developing said latent images and coloring the images thus developed respectively in colors others than those whose values are recorded in the said respective images.

1,516,825. MILK-DISPENSING APPARATUS. GUS POULOS, Boone, Iowa. Filed Oct. 31, 1921. Serial No. 511,734. 2 Claims. (Cl. 221-67.)

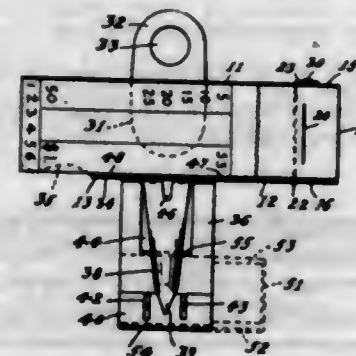
1. In a dispensing apparatus having a tank, a spigot mounted externally of said tank and an agitating device mounted internally of said tank; the combination with said agitating device and spigot of a shaft vertically arranged and extending through the bottom of said tank, said agitating device screwed in and detachably carried by said shaft, a gland within said tank surrounding said shaft, a pinion on the lower

end of said shaft, an arm on the lower end of the spigot, a lever fulcrumed on the bottom of the tank



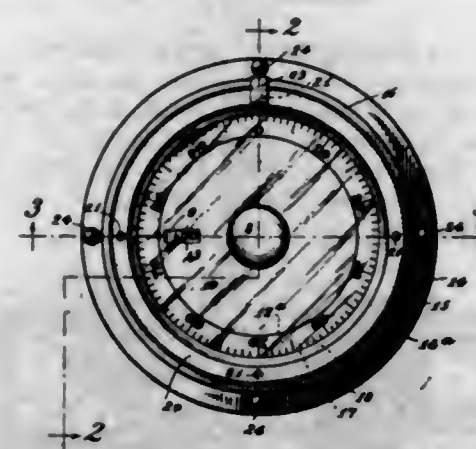
and formed with a segmental gear meshing with said pinion, and a link pivotally connecting said arm and lever.

1,516,826. CHECK HOLDER AND CUTTER. CHARLES T. RASCHICK, St. Paul, Minn. Filed Mar. 16, 1921. Serial No. 452,715. Renewed July 24, 1924. 11 Claims. (Cl. 164-119.)



1. A check marking device comprising a back adapted to hold a book of checks and a check cutter connected to said back and extending therefrom in the form of a T.

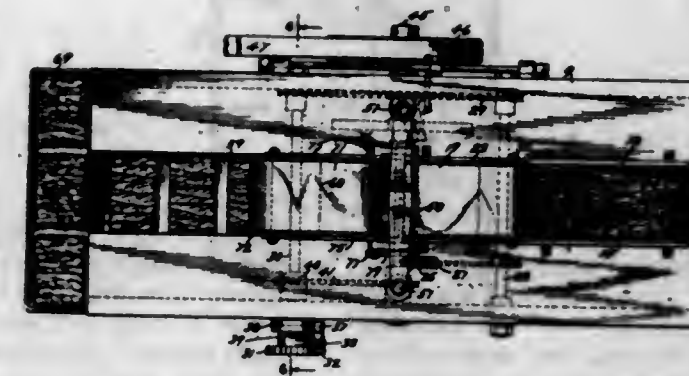
1,516,827. REGISTER. LINUS G. READ, Bridgeport, Conn. Filed Aug. 17, 1922. Serial No. 582,354. 1 Claim. (Cl. 235-78.)



A register of the character described, comprising a base plate having a centrally struck-in hub, a shaft mounted in said hub and having a handle, a dish-shaped member secured to said base plate and having an opening allowing passage of said shaft, the dish-shaped member having a centrally arranged recess adjacent said base plate and an annular recess at its outer side surrounding said recess, a dial fixed to said shaft and arranged in said recess adjacent said hub, said dial having a series of numerals arranged adjacent the margin thereof and said dish-shaped member having a single opening whereby said numerals are adapted to be exposed opposite said

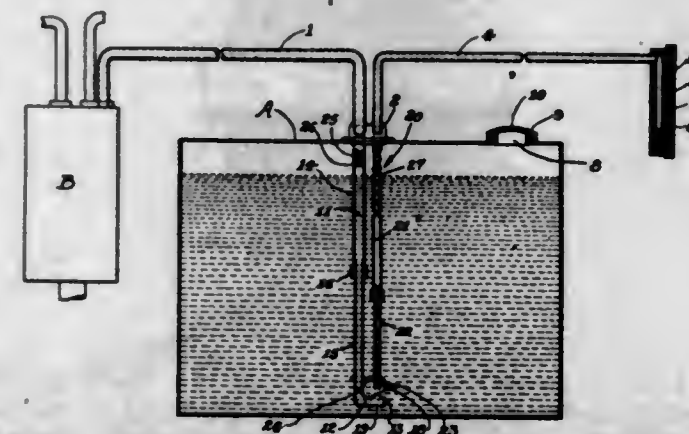
base plate, an annular dial rotatably mounted in said annular recess and having a second series of numerals thereon adapted to be exposed adjacent said before mentioned numerals, and means comprising an annular rim secured to said base plate and having an annular flange engaging a portion of said annular dial for holding said dial in said annular recess.

1,516,828. MACHINE FOR PREPARING FILLER FOR CIGAR MACHINES. RUPERT E. RUNDELL, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Mar. 30, 1922. Serial No. 547,948. 12 Claims. (Cl. 146-155.)



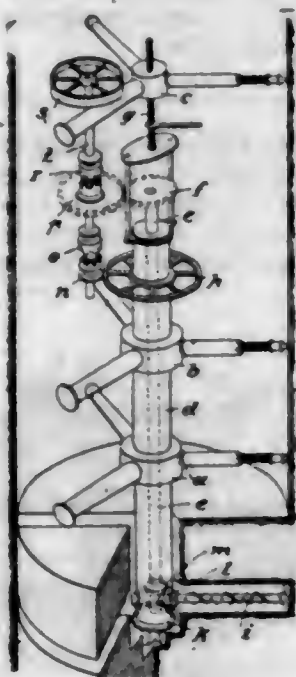
1. A machine for preparing filler for cigar machines comprising means for advancing a sheet of superposed and overlapped tobacco leaves in the direction of their length, means for severing from said sheet individual filler sections substantially equal in length to the length of the cigars to be made, and means for carrying the severed sections away from said severing means.

1,516,829. LIQUID-LEVEL GAUGE. ALEXANDER K. SCHAAF, Jr., Brooklyn, N. Y. Filed May 4, 1923. Serial No. 636,551. 6 Claims. (Cl. 73-54.)



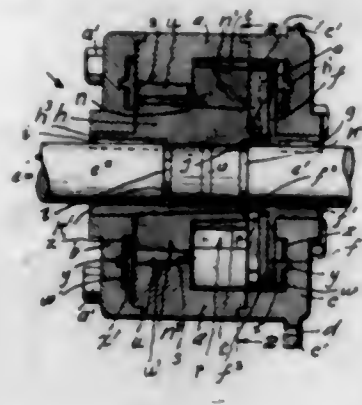
1. In a device of the class described, in combination, a liquid supply tank, an intermittently operating suction system including a suction device and a conduit extending from a position near the bottom of the supply tank to the suction device, a gauge system including a device for indicating the level of the liquid in the storage tank, and a conduit which extends from a point near the bottom of the supply tank to the gauge, said first and second conduits having their lower ends so arranged that the lower open end of the first named conduit is below the lower open end of said second named conduit, and means for entraining air in the liquid in said first named conduit during the suction flow and the return flow of the liquid.

1,516,830. ROCK CUTTING. ALADAR SCHÄFER, Hradlova, Czechoslovakia. Filed Mar. 14, 1923. Serial No. 624,928. 4 Claims. (Cl. 202-1.)



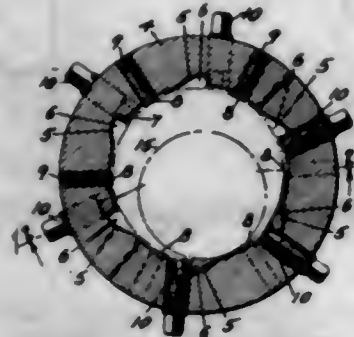
1. A process for rock cutting, characterized by cutting, at right angles to the face of the rock, one or more radial slots of a suitable depth and then cutting a slot parallel to the rock face whereby a cylindrical radially subdivided block of material is formed, which block is connected to the original rock only at its periphery.

1,516,831. DIFFERENTIAL MECHANISM. FERDINAND W. SEECK, Lebanon, Oreg. Filed Feb. 1, 1923. Serial No. 616,319. 21 Claims. (Cl. 74-7.)



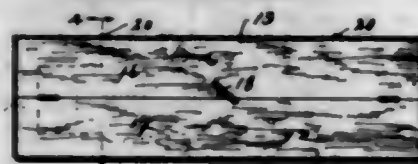
1. In a differential mechanism of the character described, a driven case, axle sections journaled in the opposite sides of the case, inner and outer crank elements mounted one upon the other, the inner crank element being rigidly mounted on one of the axle sections, the outer crank element being operatively connected to the other axle section, the connection being adapted to permit relative lineal movement of the connected parts on lines normal to the axis of rotation of the axle sections, the faces of said crank elements bearing on each other being tapered, means for adjusting the relationship of the tapered companion bearing faces of the crank elements to each other, thereby to take up wear, annular transmission members reciprocable in said driven case on lines normal to each other and to said axis of rotation, said outer crank element being provided with two oppositely located eccentric portions and said transmission members being seated on said eccentric portions respectively.

1,516,832. METHOD OF HOLLOW GRINDING RAZOR BLADES. THOMAS C. SHEEHAN, Upper Montclair, N. J., assignor to Durham Duplex Razor Company, New York, N. Y., a Corporation of New York. Filed Feb. 9, 1921. Serial No. 443,515. 1 Claim. (Cl. 51-278.)



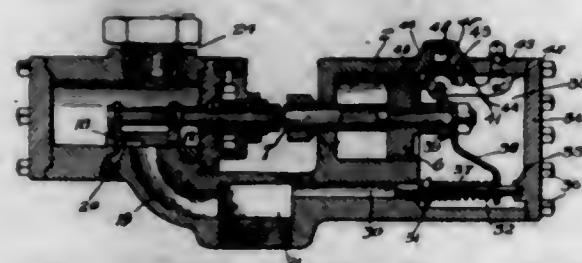
The method of hollow-grinding razor blades which consists in positioning a blade with one surface to be ground slightly within a constant circle the radius of which is equal to the radius of said surface when ground, then grinding said surface to said circle, and then reversely positioning the blade and similarly grinding the other surface to the same circle.

1,516,833. WALL-BOX EXTENSION SLEEVE. CLARENCE C. SHIPP, Indianapolis, Ind. Filed Sept. 11, 1922. Serial No. 587,532. 3 Claims. (Cl. 248-30.)



1. The combination, with a four-sided sheet-metal ventilating sleeve, rectangular in cross section, of a removable means for simultaneously supporting and protecting the edges of the sleeve, comprising a complete closure contacting all four edges of the sleeve when in operative position, said closure being in a plurality of parts capable of angular displacement relative to each other for removal.

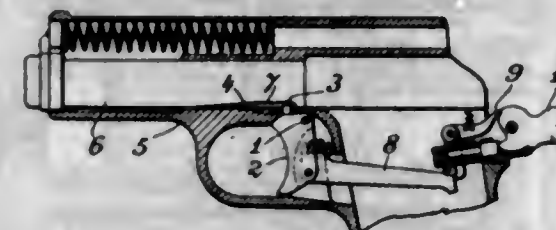
1,516,834. LOCOMOTIVE ATTACHMENT. CHARLES STERN, Jersey City, N. J., and RICHARD W. BRADEN, New York, N. Y., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed July 12, 1922. Serial No. 574,409. Renewed May 9, 1924. 7 Claims. (Cl. 121-137.)



1. In combination with a locomotive having a steam chest and a source of steam, an attachment comprising a chamber in communication with the atmosphere, source of steam and steam chest, a valve in said chamber movable to three separate positions, means for moving said valve normally to a position where it will vent the steam chest to the atmosphere, and means acted upon by the presence of pressure in the steam chest for moving said valve to a second position where it will cut off the steam chest both from the atmosphere and from

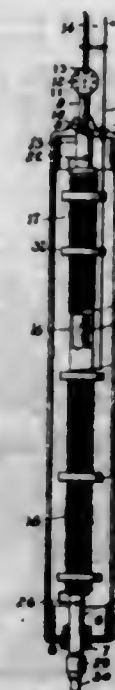
said source of steam, said attachment having an enclosed space for accumulating a supply of steam pressure from the steam chest during the normal running of the locomotive for acting on said last named means when the steam chest pressure falls whereby to move the valve to a third position in which the steam chest will be cut off from the atmosphere but put in communication with the source of steam.

1,516,835. AUTOMATIC FIREARM. RUDOLF VON FROMMER, Budapest, Hungary. Filed Aug. 23, 1921. Serial No. 494,549. 3 Claims. (Cl. 42-3.)



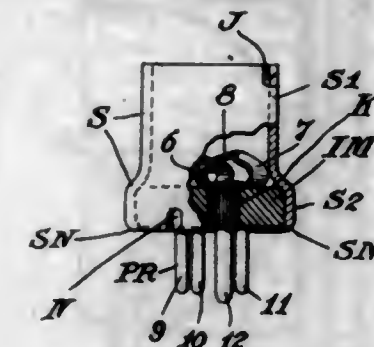
1. An automatic fire-arm comprising in combination with the casing, a sliding barrel, a trigger, a trigger lever operatively connected with said trigger, a sear controlled by said trigger lever, and means on the said barrel and the said trigger whereby upon the recoil of the said sliding barrel said trigger is moved to its extreme rear position, in which position the said sear is disengaged from the said trigger lever.

1,516,836. ELECTRIC WELL HEATER. JAMES E. WILLIAMSON, Pittsburgh, Pa., assignor of one-half to Henry F. Luebke, Pittsburgh, Pa. Filed Feb. 23, 1923. Serial No. 620,757. 11 Claims. (Cl. 219-33.)



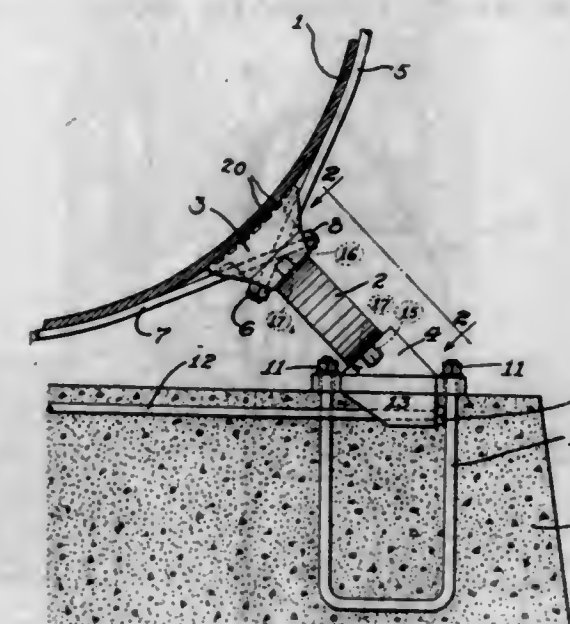
1. An electric heater for the purpose set forth comprising an elongated cylindrical casing, a top cap threadably connected to the upper end of said casing, a bottom cap threadably connected to the lower end of said casing, a fluid conductor extending vertically through said casing and threadably engaging said top cap and shiftably engaging said bottom cap, a multiple series electrical heating element carried by said conductor, means for supplying electrical current to said element, and a pair of check valves carried by said conductor for retarding the passage of the fluid through said conductor, and a foraminous hollow member fixed to the upper end of said conductor for diffusing the fluid when expelled from said conductor.

1,516,837. THERMIONIC-TUBE ADAPTER. CARLETON FAY WRIGHT, Plymouth, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Apr. 4, 1923. Serial No. 629,743. 17 Claims. (Cl. 173-344.)



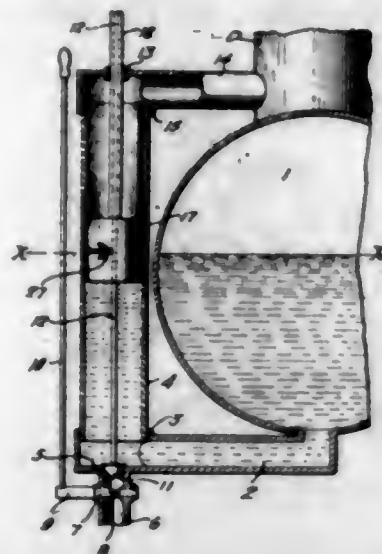
1. A thermionic tube adapter for a tube having four contact prongs and a bayonet-joint pin, to a socket constructed with four prong-contacts having the same clockwise arrangement as but different separation distances from such tube-prongs, said adapter comprising an insulating base in which are mounted four contact-devices including contact-prongs projecting from one side of the base in line with the prong-contacts of the socket; a metal shell surrounding said base and extending beyond one side of the base to form a hollow receptacle for the tube, said shell being constructed with a bayonet-joint recess in its edge to receive the pin of the tube; and four U-shaped metal leaf springs having their lower sides offset-secured to the tops of said contact devices and their upper sides free and lying within the hollow of the shell in the path of the contact-prongs of the entering tube.

1,516,838. ANTIFRICTION SUPPORT FOR PIPE LINES. STANFIELD N. ARNOLD, Plainfield, and FRANCIS E. JOHNSON, Jr., East Orange, N. J., assignors to The M. W. Kellogg Company, a Corporation of Delaware. Filed Apr. 27, 1923. Serial No. 635,018. 6 Claims. (Cl. 137-75.)



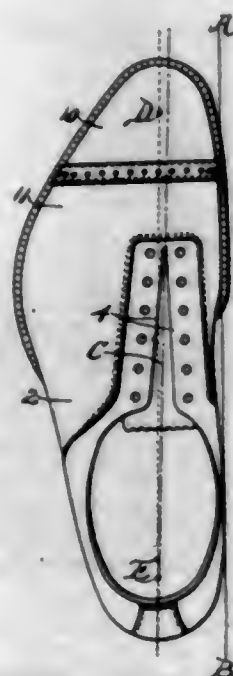
1. The combination of a pipe, saddle blocks secured to said pipe on opposite sides of its vertical center line, fixed thrust blocks adjacent said saddle blocks, and a roller intermediate each saddle and thrust block having means engaging both blocks for preventing the roller from escaping therebetween.

1,516,839. LIQUID-FUEL-DELIVERY-TANK VEHICLE. EDWIN LE GRAND BEERS, Broadalbin, N. Y. Filed Nov. 19, 1923. Serial No. 675,786. 4 Claims. (Cl. 221-95.)



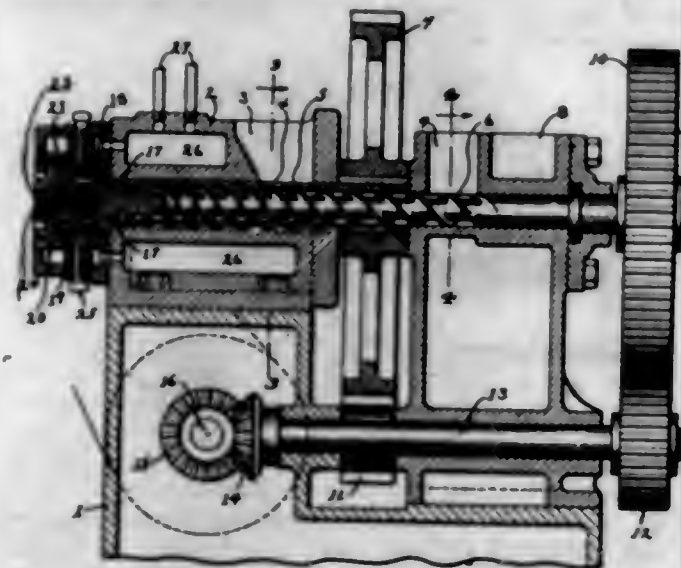
1. The combination of a liquid holding tank having an opening for filling and a discharge port; a measuring and discharging mechanism in communication with said discharge port, said mechanism comprising an upstanding observation tube communicating at its top and bottom with said tank; a buoyant member slidably mounted in said tube and supportable by the liquid to be measured; an adjustable cut-off valve carried by said buoyant member and comprising a valve rod extending upwardly through said buoyant member; means for adjustably connecting the rod and buoyant member, the valve being automatically seatable by escape of outflowing liquid when the desired quantity has been dispensed; an escape port controlled by said valve above the discharge port; a seat for said valve; and a calibrated scale for indicating the quantity of liquid delivered past said valve, the scale being readable in connection with the position of the buoyant member when the valve carried by it is seated.

1,516,840. SHOE. FERGUS A. BUTLER, New York, N. Y. Continuation of application Serial No. 391,402, filed June 24, 1920. This application filed Nov. 8, 1921. Serial No. 513,695. 8 Claims. (Cl. 36-1.)



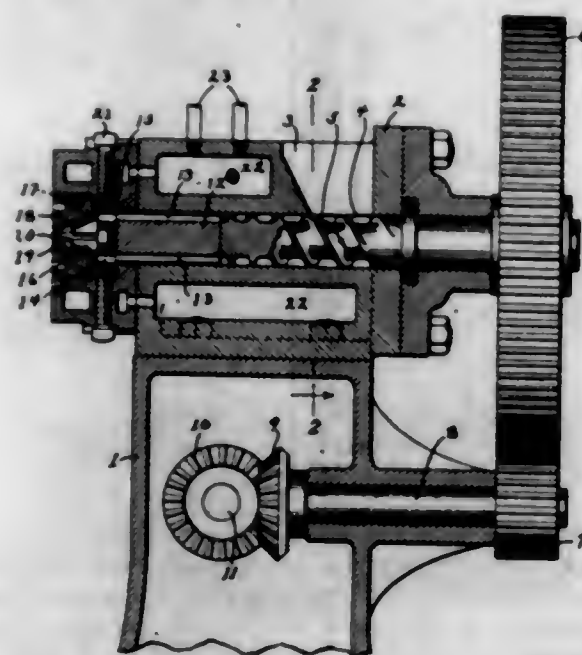
1. A shoe having a substantially straight inside edge, and having a toe cap the rearward edge of which makes an angle greater than a right angle with said edge, said angle being measured on said toe cap.

1,516,841. MACHINE FOR MAKING ARTICLES OF PLASTIC COMPOUNDS OF DIFFERENT COLORS. ALFRED C. BUTTFIELD, Butler, N. J., assignor to American Hard Rubber Co., New York, N. Y., a Corporation of New York. Filed Apr. 14, 1922. Serial No. 552,786. 8 Claims. (Cl. 18-12.)



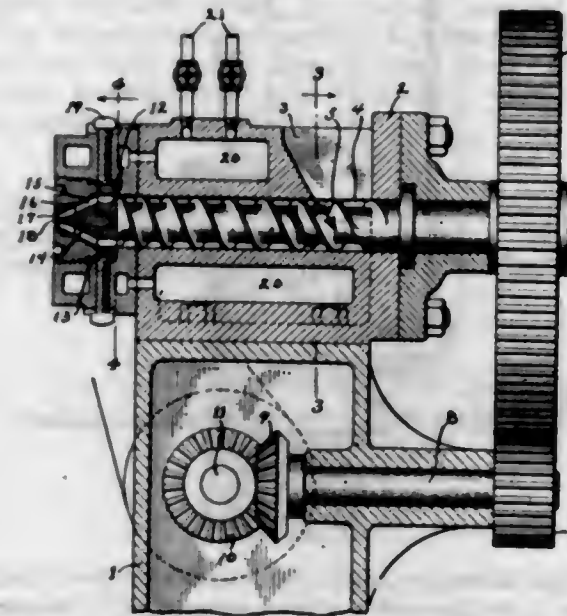
4. A machine for graining plastic compounds which comprises a plurality of feed screws, each feed screw being arranged to feed a plastic compound of a different color, means for incompletely mixing or streaking the plastic compounds together, a plurality of independent converging passageways, means for forcing said incompletely mixed plastic compounds through said passageways, a discharge block having an orifice, and means for forcing said plastic compounds from said passageways through said discharge block and said orifice to produce a grained effect in said compound.

1,516,842. MACHINE FOR MAKING ARTICLES OF PLASTIC COMPOUNDS OF DIFFERENT COLORS. ALFRED C. BUTTFIELD, Butler, N. J., assignor to American Hard Rubber Co., New York, N. Y., a Corporation of New York. Filed May 3, 1922. Serial No. 558,292. 4 Claims. (Cl. 18-12.)



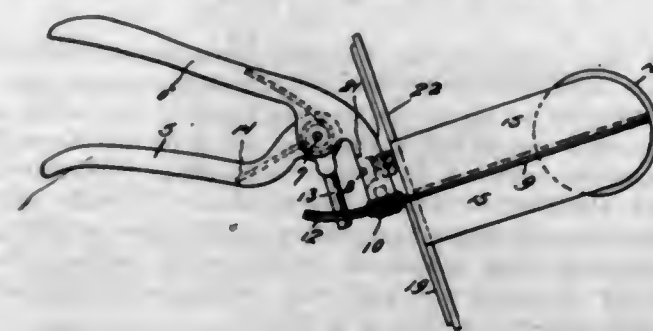
1. A machine for graining plastic compounds which comprises a feed screw for incompletely mixing or streaking a plurality of plastic compounds of different colors, a plurality of independent elongated passageways, said feed screw being adapted to force said plastic compounds through said passageways, and a discharge block having an orifice, said feed screw acting to force said plastic compounds from said passageways through said discharge block to produce a grained effect in said compound.

1,516,843. MACHINE FOR MAKING ARTICLES OF PLASTIC COMPOUNDS OF DIFFERENT COLORS. ALFRED C. BUTTFIELD, Butler, N. J., assignor to American Hard Rubber Co., New York, N. Y., a Corporation of New York. Filed May 3, 1922. Serial No. 558,293. 3 Claims. (Cl. 18-12.)



1. A machine for graining plastic compounds which comprises a chamber, means for feeding a plurality of plastic compounds of different colors through said chamber and pressing the same together, means for controlling the temperature of said chamber to prevent mixing of said compounds, a plurality of converging passageways, said feed means being adapted to force said plastic compounds through said passageways, and a discharge block having an orifice, said feeding means continuing to force said plastic compounds from said passageways through said discharge block to produce a grained effect in said compound.

1,516,844. GLASS-HANDLING TONGS. DOSTON E. CROSS, Morgantown, W. Va. Filed Sept. 22, 1923. Serial No. 664,107. 7 Claims. (Cl. 294-43.)

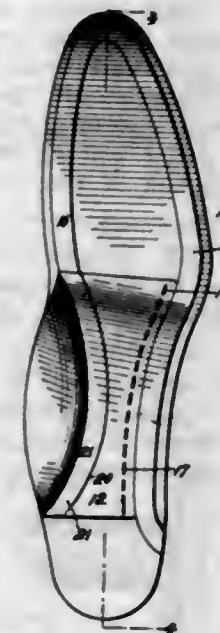


1. Glass handling tongs comprising pivotally connected handle members, pivotally connected jaw members supported by one of said handle members, the pivot of the handle members extending in a direction substantially at right angles to the direction in which the pivot of the jaw members extend, and means operatively connecting the other handle member to said jaw members whereby the jaw members are caused to move toward each other upon movement of the handle members together.

1,516,845. SHOE. FRANK G. DELBON, Brooklyn, N. Y. Filed Nov. 17, 1920. Serial No. 424,611. Renewed May 28, 1924. 3 Claims. (Cl. 36-71.)

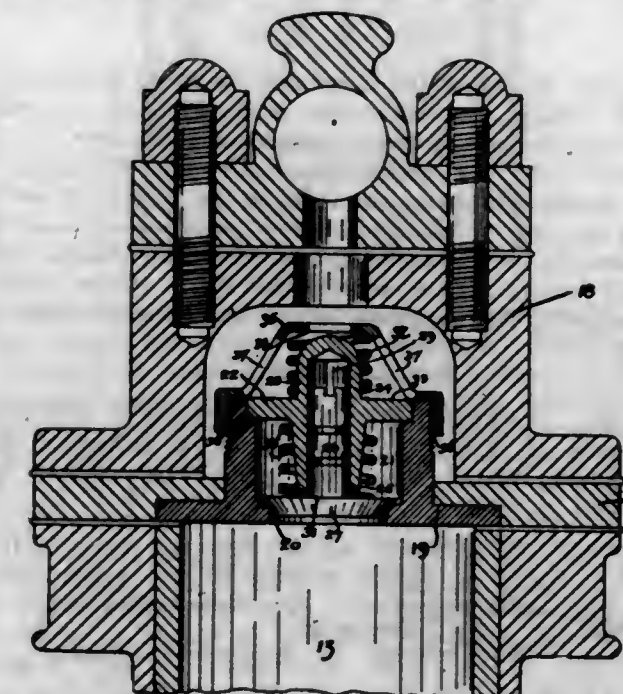
1. An inner sole for a shoe, comprising a main stiff leather body having an arch portion and thereat and integrally therewith a laterally and upwardly curving side member of substantial proportions to engage the inner side of the arch portion of a foot, a lower leather layer extending over the bottom of the arch of the sole

and upwardly over and conforming to the outer surface of said side member, and a metallic arch support between said sole and lower layer and extending across said arch portion of the sole and upwardly along said side member and conforming to the curvature of said parts, said main body having formed therein a recess conforming to the dimensions of said metallic arch support and receiving the same, and said lower layer being secured by sewing along its lower outer side edge to said sole inwardly from the sewing ridge adjacent to the outer side edge thereof and by sewing along its upper edge to the upper edge portion of said side member upwardly beyond the upper edge of said metallic arch support.



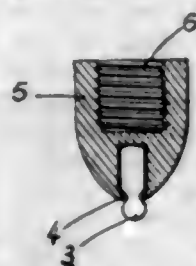
3. An inner sole structure as claimed in claim 1, in which said lower layer is undercut to form a lip constituting an extension of the lip extending along the bottom of the inner sole to receive the upper.

1,516,846. VALVE. WILLIAM C. DEVER, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 26, 1923. Serial No. 653,915. 9 Claims. (Cl. 251-144.)



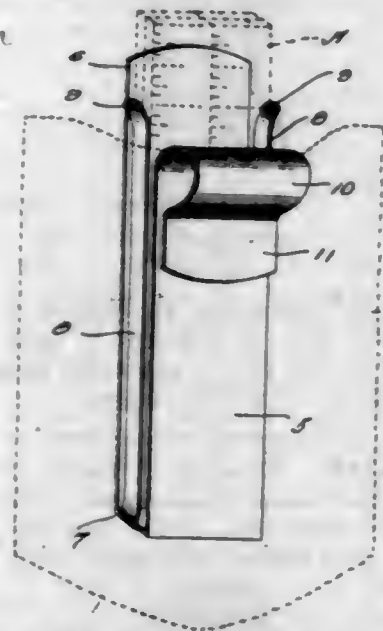
9. In combination, a valve seat, a valve arranged to seat therein, a valve mounting reciprocally supporting said valve, a spring biasing said valve into seated position, a valve housing reciprocally supporting said valve mounting, a cap carried by said valve housing, and a spring tensioned between said cap and said valve mounting acting to move said valve mounting in valve closing direction.

1,516,847. **STYLUS HOLDER.** DOMINIQUE DI NATALE, Paris, France. Filed May 4, 1923. Serial No. 630,681. 1 Claim. (Cl. 274-37.)



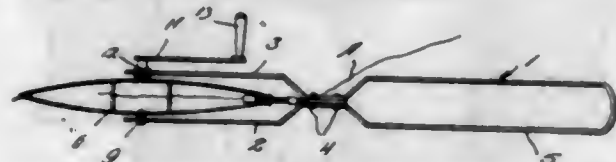
In a device of the character described, a socket member provided in the outer portion with an inwardly extending recess, a stylus the body portion of which is arranged in the recess and also provided with an annular groove, and the outer portion of the socket adjacent the recess being pressed inwardly and engaged in the groove to retain the inner end of the stylus body in contact with the inner end of the recess.

1,516,848. **EXTENSIBLE RULE HOLDER.** LOWELL DEWEY EDWARDS and HARLOW FRANK WILLIAMS, Proctorville, Ohio. Filed Jan. 17, 1924. Serial No. 656,814. 1 Claim. (Cl. 24-3.)



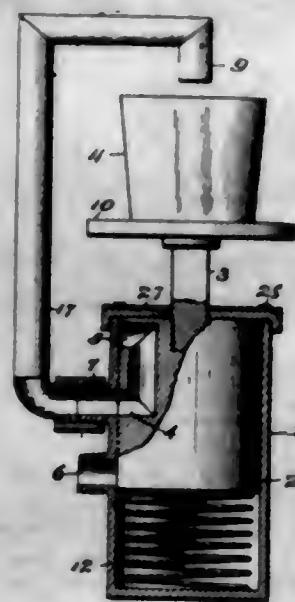
In a rule holder of the character described including a pair of spaced parallel walls interconnected at their lower ends, a clasp member formed in the upper end of the front wall for maintaining said holder within a pocket, means formed at the sides of the holder for maintaining the rule in position therein, said means comprising vertically extending strips of metal the major portions of which extend within the sides of the holder for contacting the opposite edges of the rule disposed therein.

1,516,849. **TATTING-SHUTTLE WINDING DEVICE.** CHARLES D. FISCHER and WALTER RUTKOWSKI, Encampment, Wyo. Filed May 22, 1924. Serial No. 715,189. 2 Claims. (Cl. 242-5.)



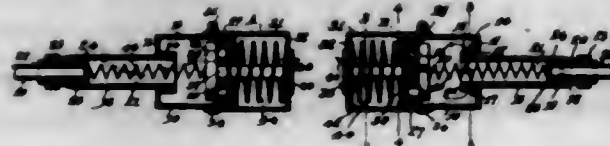
1. A tating shuttle winding device comprising a substantially U-shaped frame, a shuttle rotatably supported therein, means for actuating the same, a thread guide on the frame and disposed in the path of the rotation of the shuttle, said guide comprising a plate disposed between the arms of the U-shaped frame and secured thereto, and hooks provided on the forward end thereof to receive the thread.

1,516,850. **AUTOMATIC DISPENSER.** HENRY G. FITZ, New York, N. Y., assignor of one-half to Harry Lampson, Washington, D. C. Filed Sept. 25, 1923. Serial No. 664,736. 4 Claims. (Cl. 251-116.)



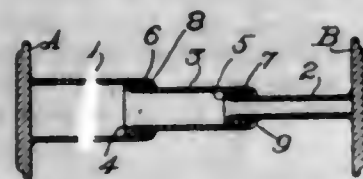
1. A fluid dispenser comprising a body portion adapted to receive a reciprocatory sleeve valve, spring means for normally retaining said valve in upward and closed position, said valve having integrally attached therewith a receptacle platform, said valve being adapted to open upon a downward pressure on said platform and to close automatically upon the release of said pressure, the entire valve actuation mechanism operating in a vertical plane.

1,516,851. **TRAIN-PIPE COUPLING.** WALTER REICE GREGG, St. Louis, Mo., assignor of one-eighth to Thomas H. Juley, St. Louis, Mo. Filed Oct. 9, 1923. Serial No. 667,554. 12 Claims. (Cl. 284-57.)



1. A train pipe coupling comprising a pair of coupling elements, each provided with a compressible casing provided with an outlet at its free end, and further with a reciprocatory means for controlling travel of air through its respective element when said element is compressed and for abutting off the discharge of air through said outlet when said casing is extended, said means including an apertured disk positioned permanently against the outer face of the free end of said casing and having its apertures registering with said outlet.

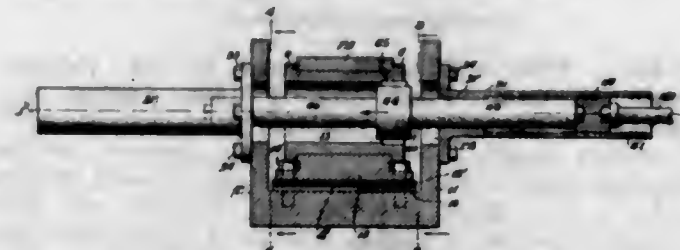
1,516,852. **EXPANSIBLE CUFF BUTTON.** FRANK GWILLIAM, Norton, Mass. Filed Feb. 13, 1924. Serial No. 692,613. 3 Claims. (Cl. 24-102.)



1. A cuff link having two button members, tubular members permanently connected respectively with said button members, one of said tubular members being of smaller outside diameter than the inside diameter of the other of said tubular members, the smaller tubular member having at its inner end a lip extending radially outward and the larger tubular member having at its inner end a lip extending radially inward, a tubular member of intermediate size having telescopic connection with

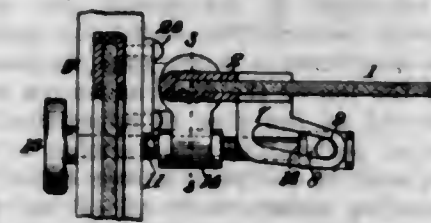
both of the other tubular members and having at one end an inwardly turned lip and at its other end an outwardly turned lip to cooperate respectively with the lips at the ends of the other tubular members, and coil springs in the spaces between the adjacent walls of the telescoping members which normally maintain the telescoping members closed, the tubular member which is of the largest diameter being of sufficient length so that when the parts are in normal closed position, the other tubular members will both be entirely enclosed within said larger member.

1,516,853. **CRANK-CASING-BORING DEVICE.** DAVID R. HARRINGTON, Elmhurst, N. Y. Filed Jan. 6, 1921. Serial No. 435,411. 1 Claim. (Cl. 77-62.)



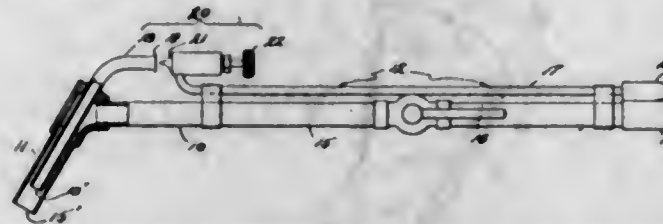
In a device of the class described, the combination of a support including a bottom having a flat upper face, and a pair of upstanding walls, said walls provided with transversely aligned circular openings, sighting means defining the diameter of one of said openings which is parallel to said upper face of the bottom, a replaceable holder having upper and lower faces parallel to each other, positioned between the walls and with its upper face aligned with said sighting means whereby said upper face is positioned in a plane parallel to said upper face of the bottom and containing said diameter, said upper face of the holder provided with a bearing receiving recess extending parallel to and positioned below the axially projected outlines of said circular openings.

1,516,854. **SUNSHADE.** GEORGE N. HEIN, San Francisco, Calif. Filed Sept. 25, 1923. Serial No. 664,704. 3 Claims. (Cl. 296-95.)



1. In combination with a sunshade, for projecting angularly in advance of a vehicle windshield, a pair of attaching brackets to which the sunshade is pivotally connected at one edge to swing on a horizontal axis, a threaded bearing in one bracket, a threaded shaft rotatable within the bearing, and a slidable connection between the shaft and the sunshade structure.

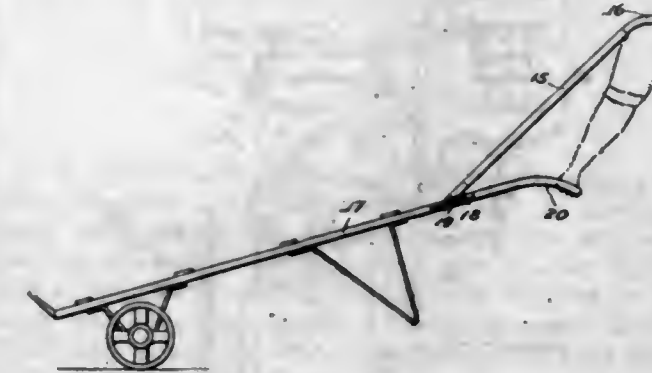
1,516,855. **BLOWTORCH.** WILLIAM M. HOUGHTON, Chestnut Hill, Mass. Filed Dec. 5, 1923. Serial No. 678,602. 3 Claims. (Cl. 158-27.4.)



2. A blow torch comprising a burner, a fuel duct leading to the burner, means for conveying a compressed oxidizer to the burner, said means comprising spaced conduits, an end portion of one conduit terminating at a point in advance of said fuel duct, a nozzle connected to

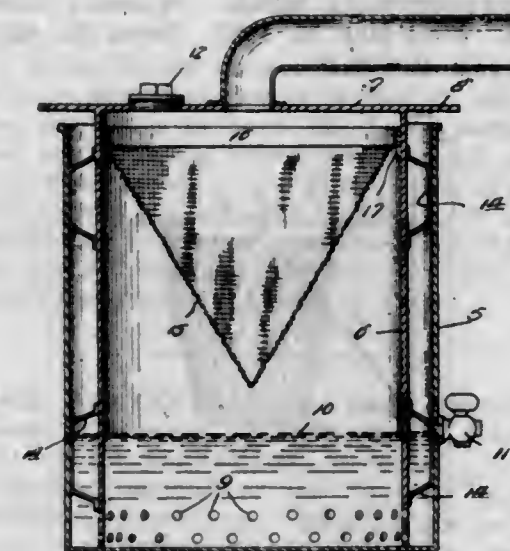
the other conduit for directing a fluid stream into the first conduit in the direction of the burner whereby air adjacent thereto is entrained and transmitted to said burner, and means for regulating the flow of fluid through said nozzle.

1,516,856. **SHOULDER-OPERATED VEHICLE.** CHARLES B. JOHNSON, Brooklyn, N. Y. Filed Nov. 10, 1920. Serial No. 424,359. 1 Claim. (Cl. 280-51.)



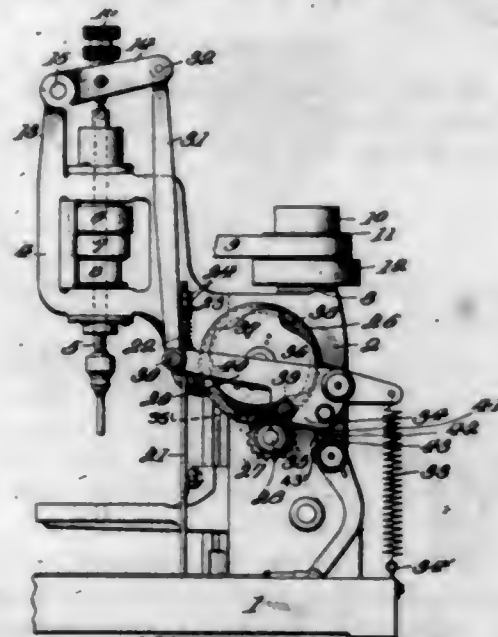
A vehicle having mechanical means for partially supporting a load carried thereon; a rigid frame connected with said means for receiving a shoulder thrust imposed by the operator of said vehicle for moving said vehicle; and adjustable hand gripping means provided on said frame to accommodate variations in length and disposition of the arms of different operators.

1,516,857. **AIR MOISTENER.** CHARLES P. KAVENEY, Pretty Rock, N. Dak. Filed Oct. 13, 1923. Serial No. 668,390. 1 Claim. (Cl. 183-14.)



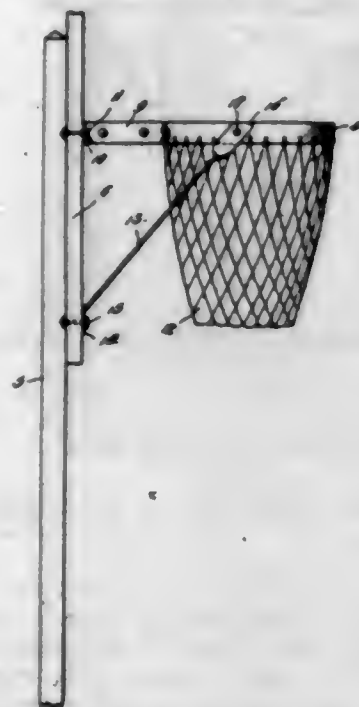
An air moistener comprising a substantially cylindrical water receptacle, a substantially cylindrical sleeve disposed within the receptacle and having its lower end resting upon the bottom of the latter, said sleeve being spaced from said receptacle to provide a uniform annular space between itself and the receptacle, said sleeve being of a height slightly greater than that of the receptacle, a top plate carried by said sleeve and projecting beyond the wall thereof to overlie and extend beyond the upper end of said receptacle to afford a restricted annular air intake, an inverted cone shaped strainer removably supported within said sleeve beneath said top plate, said top plate being formed at its center and at a point directly above the apex of said screen with its discharge opening, a conduit connected with said opening, a filler opening in said top plate above said screen, a closure for said filler opening, and a plurality of circumferentially spaced spacing members carried by said sleeve and bearing against the wall of the receptacle to maintain the desired spaced relation, said sleeve being provided at its bottom with a multiplicity of air intake openings.

1,516,858. AUTOMATIC DRILLING MACHINE. EDWARD JOSLIN KINGSBURY, Keene, N. H. Filed Mar. 28, 1922. Serial No. 547,392. 14 Claims. (Cl. 77-32.)



1. A drilling machine comprising a rotary drill spindle, means for feeding the drill spindle forward, automatic means for stopping the feeding means when the drill stops its forward movement and brings spring pressure on the drill spindle, and automatic means for bringing the feeding means into operation when the drill spindle has moved forward under spring pressure.

1,516,859. BASKET-BALL GOAL. CLARENCE LANTRIP, Fouke, Ark. Filed Mar. 22, 1923. Serial No. 626,727. 1 Claim. (Cl. 46-59.)

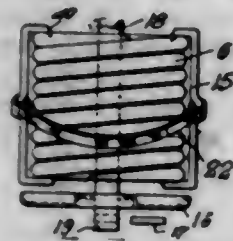


A basket supporting device for a game apparatus including a hoop adapted to hold a basket and terminating in parallel abutting arms, and a pair of diverging legs extending substantially right angularly from the arms and adapted to be attached to the plane surface of a support.

1,516,860. APPARATUS FOR FACILITATING ASSEMBLING OF VALVES AND THEIR SPRINGS. CHARLES A. LARSEN, Denver, Colo. Filed Oct. 23, 1923. Serial No. 670,319. 1 Claim. (Cl. 29-86.3.)

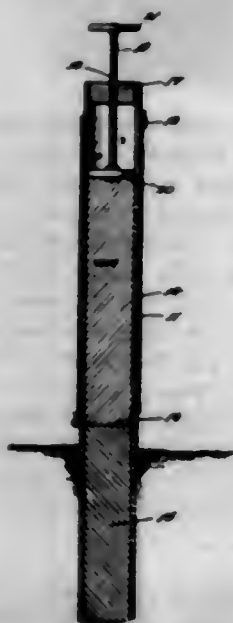
In an apparatus for facilitating assembling of valves and their actuating springs, a pair of substantially C-

shaped rigid clips adapted to be engaged with the ends of the spring when the latter is compressed and at opposite sides of the same, a flexible member connecting



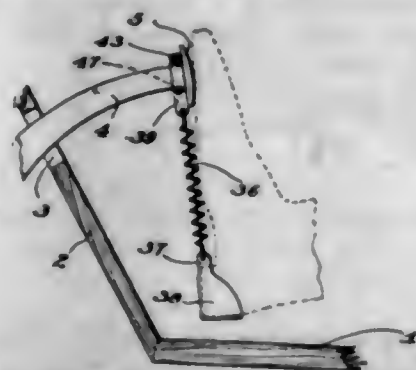
said clips, said clips being provided with outwardly offset central portions, and said flexible member being secured at its ends to said offset portions of the clips.

1,516,861. HOG GREASER. FRED H. LE VALLEY, Huron, S. Dak. Filed Aug. 9, 1923. Serial No. 656,541. 1 Claim. (Cl. 119-157.)



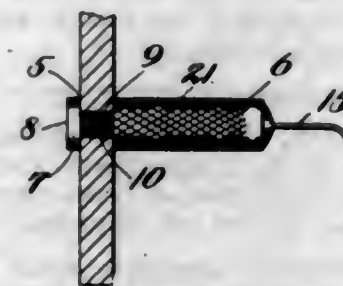
A hog greaser comprising a pipe having its lower end adapted to be embedded in the ground and provided with a plurality of perforations uniformly distributed through its side wall from a point near its lower end to approximately the top of the pipe, anchoring material filling the lower end of the pipe to approximately the level of the lowest perforation and forming a support for a lubricant placed in the pipe, a rope coiled around the pipe and covering substantially all of the perforations therein, means for securing the ends of the rope against the pipe, and means for forcing the lubricant from the pipe through the perforations therein and between the coils of the rope.

1,516,862. FOOT-PEDAL REST. WILLIAM J. LOURY, Chattanooga, Tenn. Filed Oct. 18, 1923. Serial No. 669,272. 6 Claims. (Cl. 74-81.)



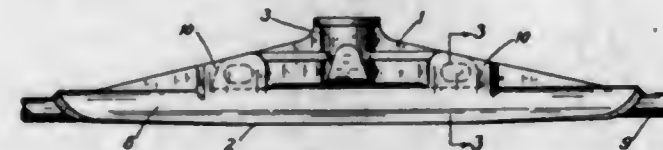
1. A foot pedal rest comprising a heel plate, and flexible extensible means connected to the heel plate for suspending the same.

1,516,863. SWITCH-POINT LEAD. THOMAS LUND-BAAG, Everett, Mass., assignor of one-half to Ansel Cady, Brookline, Mass. Filed Nov. 22, 1922. Serial No. 602,594. 3 Claims. (Cl. 200-166.)



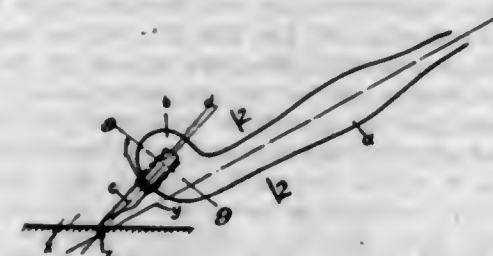
1. In radio and similar apparatus, in combination, a panel having a perforation therethrough, an integral contact member having a threaded shank portion extending through said perforation and a head engageable with the adjacent face of said panel, and a contact lead comprising a member having a threaded socket in one end for engagement with the threads of said shank extending through the panel and between which and said head said panel may be clamped and having a perforation extending through its opposite end in axial alignment with said socket, and a lead wire extending into said perforation and permanently fixed therein, whereby said lead wire and socket member are attachable to and detachable from said contact member as a unit.

1,516,864. METHOD OF MANUFACTURING TROLLEY-WIRE SUPPORTS. SAMUEL S. MATTHEWS, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 30, 1923. Serial No. 660,221. 4 Claims. (Cl. 191-43.)



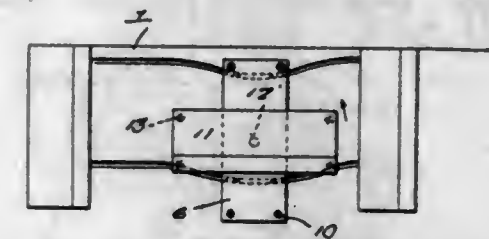
1. A trolley wire supporting device comprising two supporting members, one to engage and support a trolley wire and the other to engage and support the first member, the members being cast together.

1,516,865. WRITING INSTRUMENT. REINHARD MÜLLER, Elm, near Cassel, Germany. Filed Mar. 7, 1924. Serial No. 697,610. 1 Claim. (Cl. 120-100.)



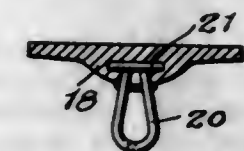
A writing instrument embodying a holder and a nib, the holder having a boss at an angle to the longitudinal axis of the holder, the gravity axis of the instrument being in all positions of the instrument behind the nib point and also behind the point of support around which the instrument can swing if loosely held in the hand.

1,516,866. REVOLVING SLEEPING-CAR SEAT. JOHN L. O'CONNOR, Taft, Calif. Filed May 1, 1924. Serial No. 710,278. 3 Claims. (Cl. 105-345.)



1. A convertible car seat structure comprising track rails arranged along the side of the car and having sections which are disposed parallel with the side of the car and other sections which are moved away from the side of the car, a wheel mounted stand adapted to travel upon the track and a seat turnably mounted upon the stand and means for holding the seat at a fixed position with relation to the stand.

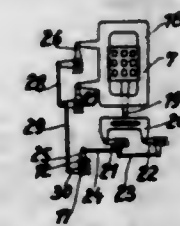
1,516,867. BUTTON. FORREST G. PURINGTON, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 11, 1923. Serial No. 631,254. 2 Claims. (Cl. 24-90.)



1. A button of the class described comprising a head, an integral thickened central portion or hub having an opening extending in from the lower surface thereof, and an eye with the lower ends thereof bent into a plane at right angles to the plane of the eye to form a support for the eye and with the said bent ends extending within the said opening or recess and the side walls of the recess overturned against the ends of the eye and rigidly anchoring the same in place.

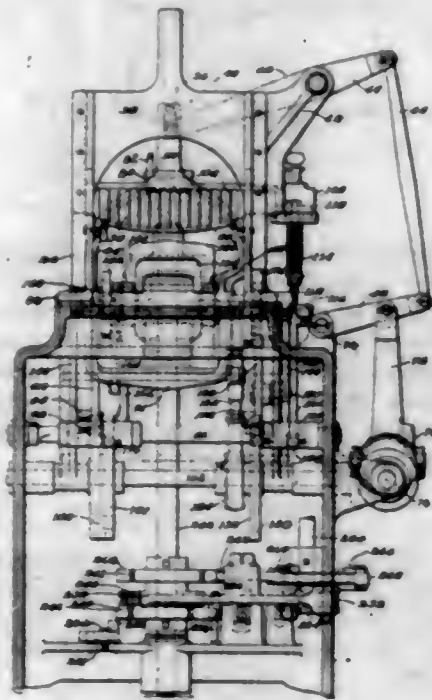
1,516,868. EXTERMINATOR FOR RODENTS, ETC. JOSEPH J. SELBAGE, Spokane, Wash. Filed Dec. 15, 1922. Serial No. 607,230. 1 Claim. (Cl. 167-3.)
A solution composed of the following ingredients in the following proportions:—gasoline one gallon, carbon bisulphide one gallon, sul. chlorophyl one ounce.

1,516,869. WEFT-THREAD EXCHANGE DEVICE FOR LOOMS. GOTTFRIED SIEBER, Plauen, Germany, assignor to Vogtländische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Germany. Filed Apr. 9, 1923. Serial No. 630,963. 4 Claims. (Cl. 139-171.)



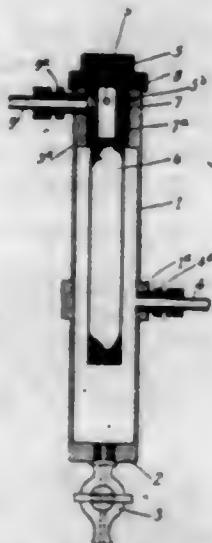
1. In a loom, the combination with a weft thread carrier having the threads arranged side by side, as well as one over the other, and with a frame holding said carrier, of means for moving the said carrier in one of the two directions, and means for moving said frame in the other of said two directions.

1,516,870. AUTOMATIC TIP-PERFORATING MACHINE. WILLARD A. SMITH, Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 18, 1921. Serial No. 478,693. 36 Claims. (Cl. 164-87.)



1. In a machine of the class described, perforating mechanism, a rotary carrier having means to hold tips in position to be perforated, and mechanism for feeding to the carrier tips of different sizes and locating the edges to be perforated at a constant distance from the axis of the carrier, whereby the perforations are placed on the work at a constant distance from the edges thereof.

1,516,871. FUEL FILTER, STRAINER, AND SEPARATOR FOR INTERNAL-COMBUSTION ENGINES. ALONZO D. STOUT, San Diego, Calif., assignor of one-half to Leon H. Stout, San Diego, Calif. Filed Mar. 2, 1921. Serial No. 448,992. 2 Claims. (Cl. 210-165.)



1. A device of the class described, including a relatively long tube positioned vertically and provided with reduced, internally threaded openings at its upper and lower ends communicating with its interior, a screw plug positioned in the threaded opening at the upper end of said tube provided with an outwardly and downwardly extending flange adapted to fit over the upper end of said tube and provided with a central hole extending from the lower end of said plug and also provided with a port communicating with said central hole and extending outwardly through the threaded portion

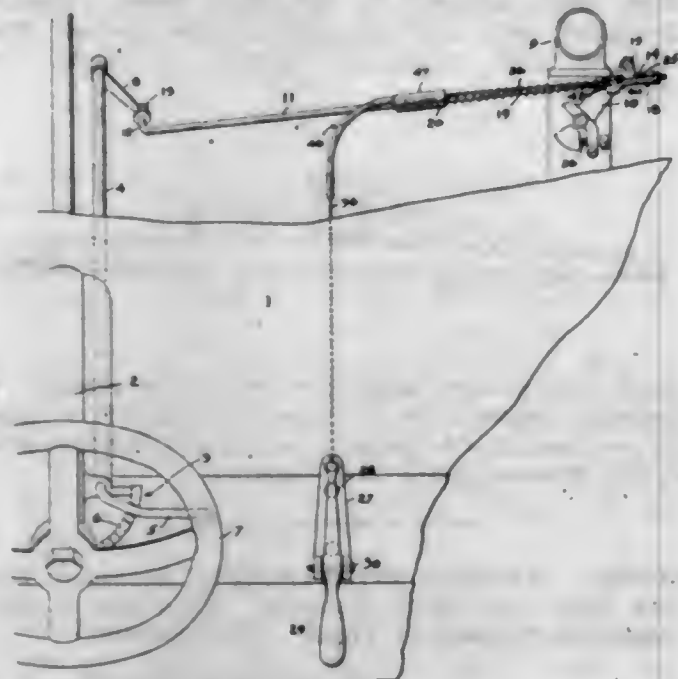
of said screw plug, a relatively long tubular screen secured to the lower end of said plug and suspended in said tube, its interior communicating with the central hole in said screw plug, a conductor communicating with the interior of said tube intermediate its ends and near the lower end of said screen, and another conductor communicating with the hole in said screw plug and the interior of said screen.

1,516,872. BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed July 30, 1924. Serial No. 729,014. 2 Claims. (Cl. 24-90.)



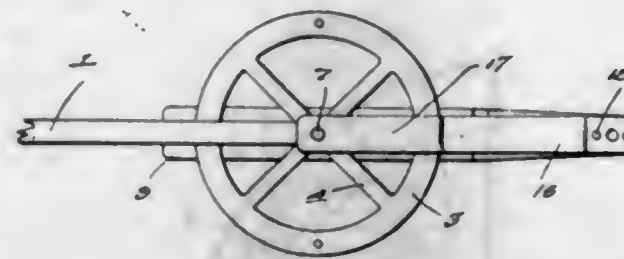
1. A button comprising a back stamped from sheet metal and including a hub and an outwardly extending flange; a front member of comparatively soft metal headed to the desired configuration and provided with a recess in the rear face thereof and a centralized opening extending therethrough for the reception of a plunger of a button-attaching machine, the flange of the back extending into said recess and permanently anchored therein.

1,516,873. ACCELERATOR. LLOYD M. WILLIAMS, PERCY J. WILLIAMS, and CHESTER L. WILLIAMS, San Francisco, Calif.; Emma F. Williams, administratrix of the said Chester L. Williams, deceased, assignors to Williams Bros. Aircraft Corporation, San Francisco, Calif., a Corporation of California. Filed Aug. 18, 1921. Serial No. 493,248. 6 Claims. (Cl. 74-39.)



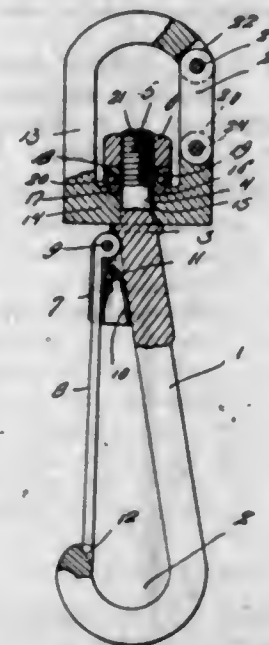
1. In an accelerator, the combination with the hand operated crank arm and the throttle valve crank arm of the throttle valve controlling mechanism of an internal combustion engine, of a rod connected with the hand operated crank arm, a member relatively movable upon the rod and operatively connected with the throttle valve crank arm, a spring normally holding said member extended, a foot operated means and a flexible element connected with said relatively movable member and said foot operated means, said foot operated means comprising a plate, a pedal mounted upon said plate, said pedal having a socket adjacent to one of its ends and provided with a slot opening into said socket, said element adapted to enter said socket thru the slot and a member on the element engaging in said socket, said plate having an end opening slot for reception of the element and a depending slotted socket member registering with the slot and socket in said pedal.

1,516,874. PLOWBEAM ATTACHMENT. JASPER CARLTON WILLIAMSON, Range, Ala. Filed Mar. 22, 1924. Serial No. 701,199. 2 Claims. (Cl. 280-33.44.)



1. A plow beam attachment comprising a plate secured to the forward end of said beam and adapted for rotary movement thereon, an additional plate carried by said aforementioned plate and spaced therefrom, a floating member interposed between said plates, rollers extending through openings provided in the ends of said floating member for engagement with the inner opposed faces of said plates, the outermost plate having an extension formed thereon extending beyond the forward end of said plate, and an arm pivoted at its inner end to the opposite side of said plow beam and co-operating with the extension on said outer plate providing a connection for a draft appliance.

1,516,875. SWIVEL HOOK. CLIFFORD L. ALLEN and ARTHUR A. ALLEN, Burkburnett, Tex. Filed Mar. 13, 1924. Serial No. 609,012. 1 Claim. (Cl. 24-231.)

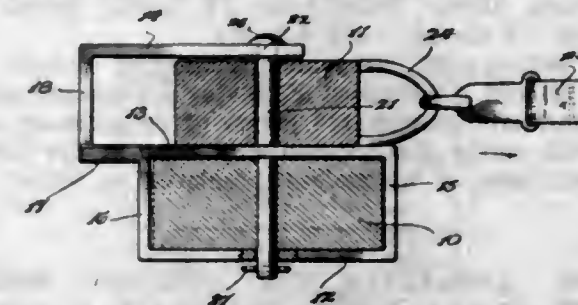


A swivel hook comprising a suspension hook provided with a retaining latch, an eye having swivel connection with the upper end of the shank of said hook, said eye being open on one side and one of the ends thereof being bifurcated, while the other end is recessed, a retaining link having one end pivoted between the furcations and having its opposite end receivable in said recess, and a removable retaining pin for the last named end of the link.

1,516,876. CLEVIS FOR SINGLETREES. JOHN ANDERSON, Lindsborg, Kans. Filed Jan. 8, 1923. Serial No. 611,451. 2 Claims. (Cl. 278-96.)

1. A clevis comprising a top leaf, a central leaf, and a bottom leaf, front and rear members connecting said bottom and central leaves to form a rectangular loop and a rear wall connecting said top and central leaves to form a forwardly open jaw between them, said rear wall

being displaced rearwardly with regard to the rear member of said loop, apertures being provided in said leaves in alignment with each other, a bolt adapted to en-



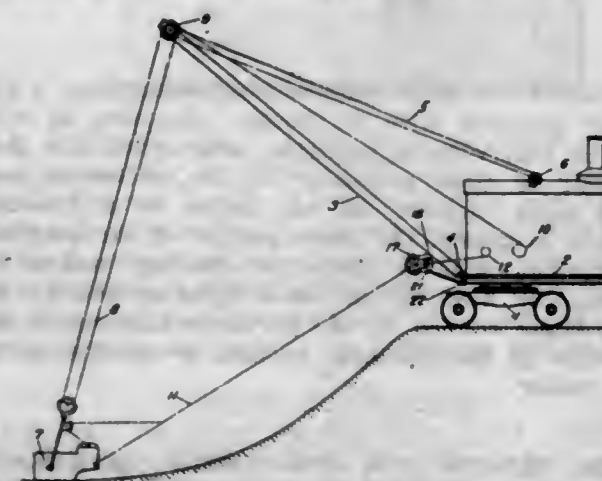
gage in all of said apertures thereby attaching the clevis rigidly on a doubletree and pivotally engaging a singletree, and means for securing the bolt in the clevis.

1,516,877. COTTER-PIN SPREADER. JOHN ANEKEE, Cleveland, Ohio. Filed Oct. 27, 1923. Serial No. 671,166. 4 Claims. (Cl. 81-15.)



2. A tool of the character described comprising a relatively stationary jaw, adapted to bear against the eye of a cotter pin, a movable jaw for co-action with the legs of said pin, said movable jaw being composed of a plurality of separate and independent sections, said sections being successively operable.

1,516,878. HOISTING APPARATUS. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Feb. 13, 1923. Serial No. 618,817. 5 Claims. (Cl. 37-116.)

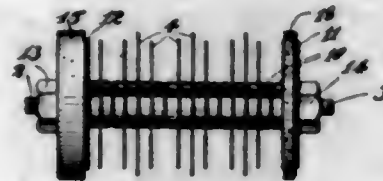


1. In a hoisting apparatus, the combination of a boom adjustable as to inclination; a hoisting drum; a cable winding on the drum; a cable leading device on the boom; and a mounting for said device adjustable with the adjustment of the boom maintaining the alignment of the device with the drum.

1,516,879. CUTTING-OIL COMPOUND AND PROCESS OF MAKING THE SAME. FRED K. BEZENBERGER, East Cleveland, Ohio, assignor to Ray S. Gehr, trustee, Cleveland, Ohio. Filed June 26, 1922. Serial No. 571,103. 9 Claims. (Cl. 87-9.)

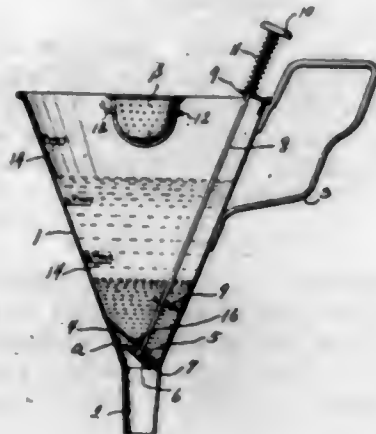
1. A cutting oil compound comprising animal oil, mineral oil and a sulfurized oil having a large proportion of the normally unsaturated points of its molecule saturated with sulfur and substantially none of the normal hydrogen atoms of its molecule replaced by sulfur.

1,516,880. APPARATUS FOR CLEANING BOILER TUBES. MARK K. BOWMAN, Montclair, N. J., assignor, by mesne assignments, to Richard L. Suydam, New York, N. Y. Filed Oct. 21, 1920. Serial No. 418,360. 5 Claims. (Cl. 15-104.06.)



1. A tube cleaning projectile of the class described, comprising in combination, a rod, a plurality of scraper elements encircling said rod, said rod and elements being constructed and arranged to prevent rotation of said elements about said rod, and spacer elements between successive scraper elements, each said spacer element comprising a hollow annular metal member.

1,516,881. DECANTER. CHARLES COLLINS, Coalspur, Alberta, Canada. Filed Aug. 14, 1922. Serial No. 581,712. 1 Claim. (Cl. 210-51.)

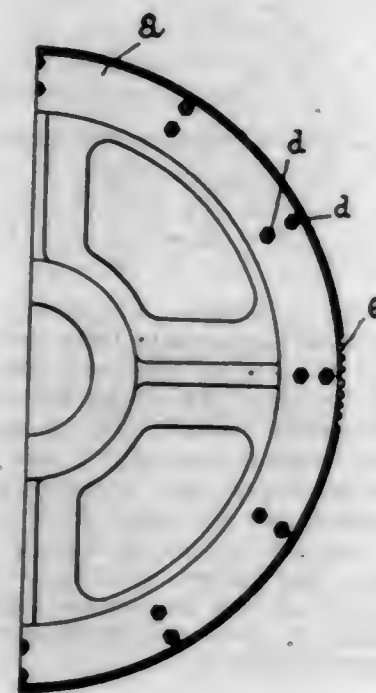


A device of the character described comprising a hollow body provided with a tubular extension in communication therewith, a partition intersecting the body at a point in close proximity to the extension, said partition being disposed on an incline in a direction toward the extension, the lower portion of the partition being provided with a discharge opening, means for controlling the flow through said opening, and an up-standing finger carried by the partition adjacent to the high portion of the discharge opening to provide an indicating means.

1,516,882. MEANS FOR PREVENTING BREAKAGE DUE TO RESONANCE IN HIGH-SPEED MACHINERY. GEORGE CONSTANTINESCO, Weybridge, England. Filed Aug. 30, 1923. Serial No. 660,262. 2 Claims. (Cl. 74-28.)

1. A gear wheel built up of laminae of metal such as steel having between them and amalgamated with them a thin layer of a second metal capable of forming an amalgam with said first metal, the intermediate metal being such that it is capable of taking up energy by internal friction or hysteresis and converting it into

heat, the laminae being so disposed that under the forces which act on the steel, there is a tendency for the laminae to slip one over the other.



1,516,883. MATRIX BAR. JULIUS DOERNETH, Konradshöhe, near Tegel, Germany, assignor to the Firm Typograph Gesellschaft m. b. H., Berlin, Prussia, Germany. Filed Apr. 7, 1924. Serial No. 704,884. 1 Claim. (Cl. 199-63.)

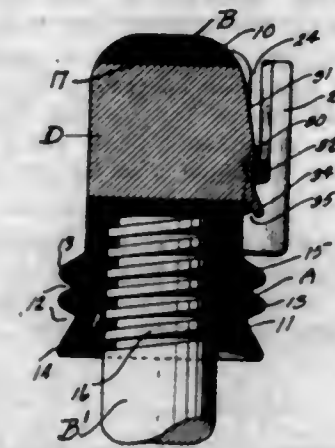


In a matrix bar, a part bearing the characters, and a second part bearing the suspending eye, each of the two parts being provided with a guiding slot and a pin for the pin and guiding slot of the other part.

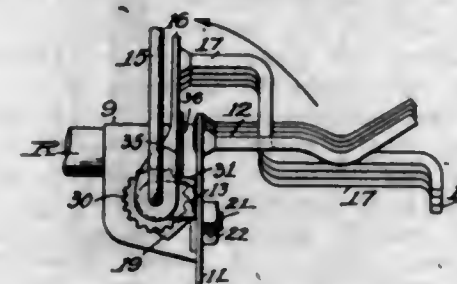
1,516,884. WIRELESS TIE INSULATOR. HARRY A. FREDERICK, Chicora, Pa. Filed Mar. 31, 1921. Serial No. 457,197. 3 Claims. (Cl. 173-316.)

1. An insulator, comprising in combination a body portion having a recess transversely therethrough, sub-

stantially U-shaped brackets formed integral upon said body portion, in transverse alignment, and a non-frangible insert mounted in said recess and arranged intermediate said brackets for locking a wire supported by said brackets.

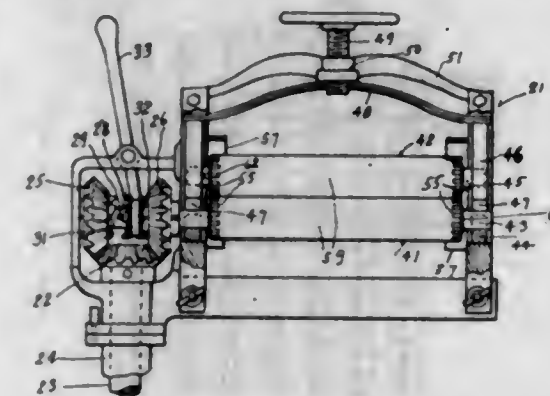


1,516,885. TENSION DEVICE. LEWIS T. HOUGHTON, Worcester, Mass. Filed Dec. 26, 1922. Serial No. 608,882. 19 Claims. (Cl. 242-154.)



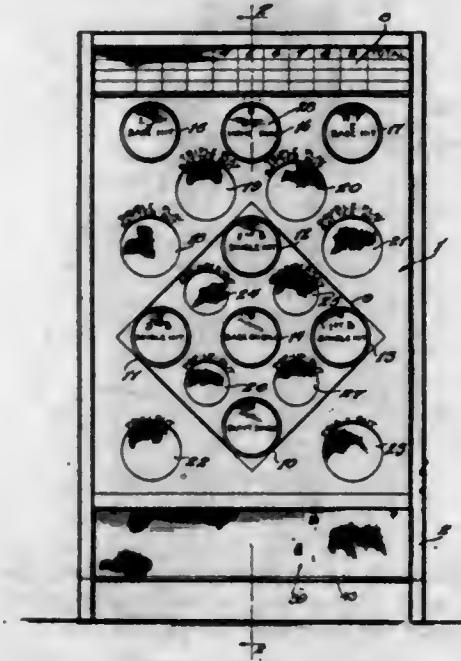
1. In a tension device, the combination with two sets of intermeshing guides arranged to engage a strand of material to be wound and cause it to traverse a tortuous path, one set being pivotally mounted in position to exert a substantially constant total pressure on the strand, irrespective of its yarn bearing position, and adjustable means for reducing or increasing the pressure thus exerted on the strand to balance the drag caused thereby against the desired tension, the last named means being connected to the pivotally mounted guides to maintain the same leverage thereon in all operative positions of the guides.

1,516,886. WRINGER ROLLS FOR CLOTHES WRINGERS. GUSTAVE H. JANTZ, Wyoming, Ohio. Filed Sept. 3, 1920. Serial No. 407,839. 9 Claims. (Cl. 68-32.)



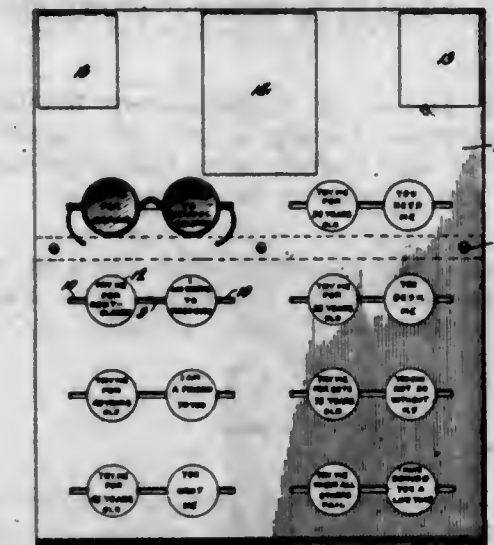
1. A wringer roll comprising an expressing section, and a tractive section provided with resiliently yielding protuberances.

1,516,887. GAME APPARATUS. EDWARD H. MCPHERSON, Jeffersonville, Ind. Filed Dec. 19, 1922. Serial No. 607,875. 6 Claims. (Cl. 46-59.)



1. Game apparatus comprising an upright board having an opening therein for the passage of an impelled game piece, and an indicator freely suspended in juxtaposition to the opening at the rear of the board whereby either face may be presented to the opening and bearing different play indications upon its opposite faces.

1,516,888. DISPLAY EASEL. FRANK R. MULNIX and FREDERICK E. DILLENBECK, Eldorado, Kans. Filed Oct. 2, 1922. Serial No. 591,856. 2 Claims. (Cl. 211-34.)

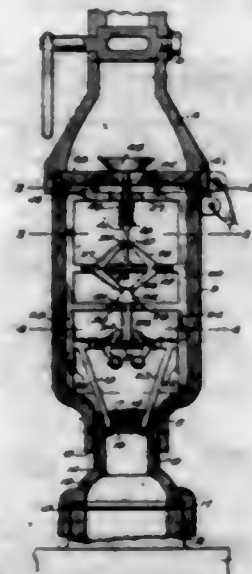


1. A display easel of the class described comprising a plate having a series of slots therein arranged in spaced relation to and in alignment with each other, and circles marked on the plate between the slots whereby when a pair of glasses are mounted on the plate with their members piercing the slots, the glasses themselves are disposed over the circles so that indicia contained within the circles may be read through the glasses.

1,516,889. BY-PASS PREVENTER AND AUTOMATIC SHUT-OFF. MAX NAUDS and HARRY SEWARD ROSS, New York, N. Y. Filed Aug. 18, 1923. Serial No. 658,135. 4 Claims. (Cl. 137-69.)

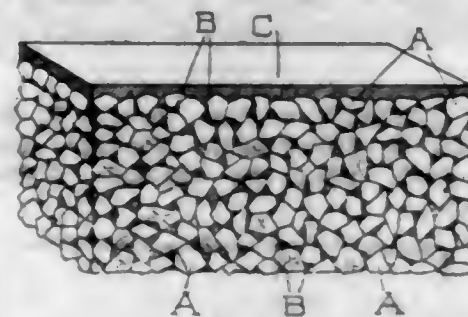
1. A device of the character described, comprising a casing adapted to be connected with a gas supply pipe, a connector adapted to be threaded onto a gas meter, said connector having a left-hand threaded tubular section, said casing having a left-hand tubular threaded

section adapted to receive the left-hand threaded section of the connector, a shut-off valve arranged in said casing,



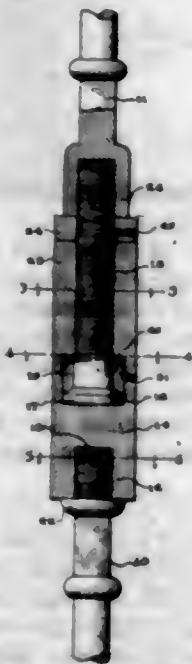
and means actuated by said connector when the same is screwed into said casing for causing said valve to close and thereby shut off the flow of gas.

1,516,890. MANUFACTURE OF BLOCKS OR THE LIKE FOR PAVING AND LIKE PURPOSES. CHARLES DAVIS POCHIN, Corwen, Wales. Filed Oct. 23, 1922. Serial No. 596,371. 4 Claims. (Cl. 18-60.)



1. The process of manufacturing laminated blocks which comprises forming a layer of concrete; covering one face of said concrete layer with unvulcanized india-rubber; and vulcanizing the india-rubber.

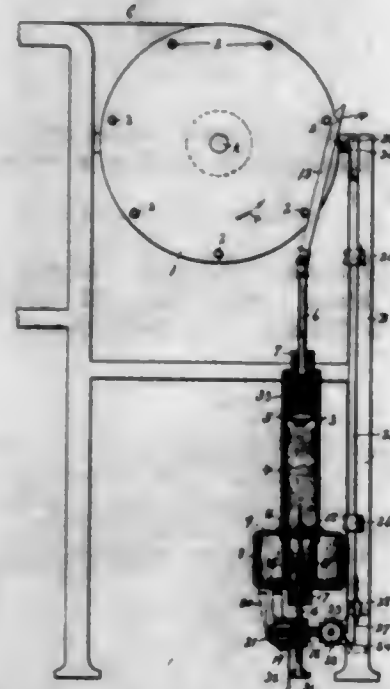
1,516,891. SWIVEL JOINT FOR SUCKER RODS. JOSEPH DAVID PRIDGEN, Smackover, Ark. Filed Oct. 30, 1923. Serial No. 671,741. 4 Claims. (Cl. 287-91.)



1. In combination with a sucker rod having a threaded stem on one section and a threaded head on the other section, a pair of coupling members, one of said members having a threaded socket to receive said stem of

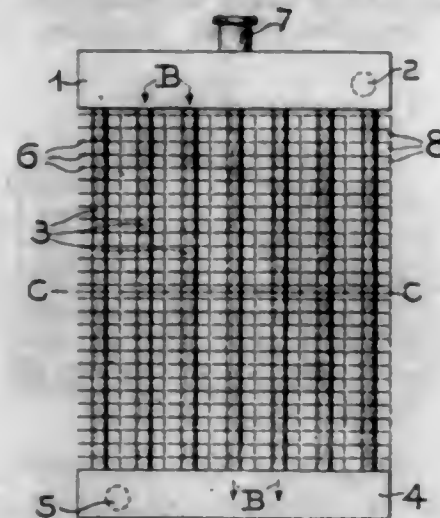
the rod section and having a threaded socket in its other end, a threaded stem having a swivel head adapted to turn in said second socket of the coupling member, a retaining ring threaded in said second socket and against the head for holding the latter in the socket and permitting the head to turn, said other coupling member being internally threaded for engagement over said stem, and means for locking the other coupling member on the stem, said stem being adapted for engagement in the threaded head of the other rod section.

1,516,892. WARP-TENSIONING DEVICE FOR LOOMS. THOMAS SIDNEY RUMB, Syracuse, N. Y., assignor of one-half to Daniel Denison, Syracuse, N. Y. Filed Nov. 3, 1922. Serial No. 598,782. 2 Claims. (Cl. 139-106.)



1. In a warp tensioning device for looms, the combination with a rotary warp-actuated beam, a piston chamber, a fluid supply reservoir connected by a restricted passage with the piston chamber, a piston movable in said chamber, means actuated by the rotation of the warp beam for moving the piston in one direction to draw the fluid from the reservoir into the piston chamber through the restricted passage, and means for varying the size of said passage to vary the suction resistance to the operation of the piston by the warp beam and thereby to vary the tension of the warp.

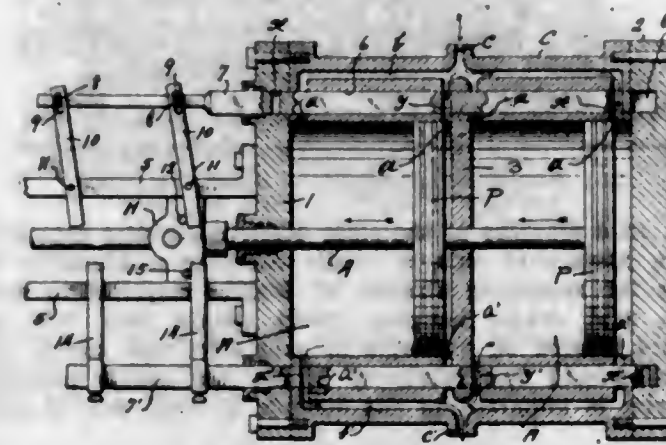
1,516,893. HEAT-TRANSFER APPARATUS. CHARLES S. SAGE, Rome, N. Y., assignor to Sage Radiator Co., Inc., Syracuse, N. Y. Filed Feb. 26, 1921. Serial No. 448,051. 11 Claims. (Cl. 257-262.)



1. In a radiator, the combination of a cylindrical tube and a series of fins extending entirely around the tube in heat-conducting contact therewith and provided with

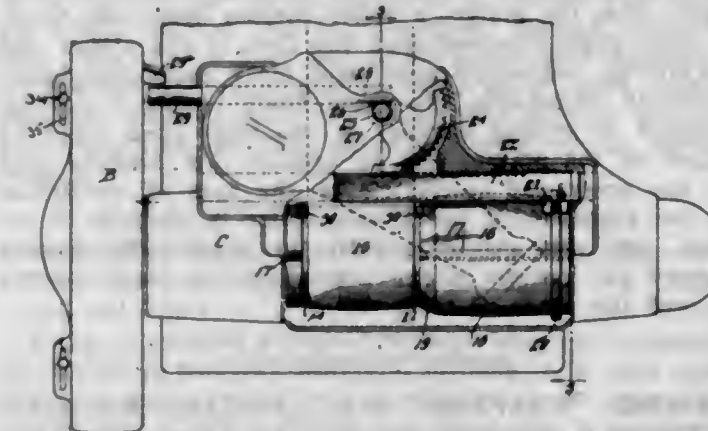
flanges at one side of the tube offset in the same direction, the portions of the fins at the opposite sides of the tube being in open spaced relation.

1,516,894. MOTOR. WILLIAM E. STEVENSON, Pittsburgh, Pa. Filed Jan. 23, 1922. Serial No. 531,227. 2 Claims. (Cl. 121-124.)



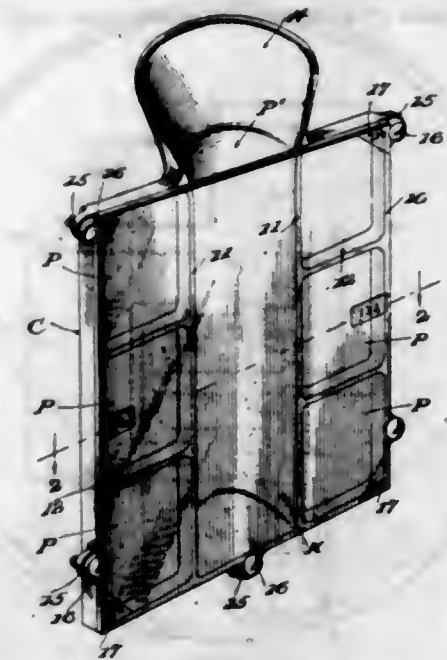
1. In combination, a cylinder divided into two expansion chambers, a piston in each of said chambers, a rod common to both of the pistons and extending exteriorly of the cylinder, said rod causing the pistons to move in unison and in the same direction, said cylinder being provided with longitudinal conduits and inlet and outlet ports connecting said conduits with the opposite end portions of each of the chambers and longitudinal recesses in the cylinder wall between said conduits and the expansion chambers, members slidably disposed in said recesses and moving in a path intersecting the inlet and outlet ports, said members having ports for registry with the inlet and outlet ports, the ports of the sliding members registering with the inlet and outlet ports at opposite ends of the chamber when the members are moved in one direction and with the inlet and outlet ports in the reverse end portions of the chambers when the members are moved in the opposite direction, and means for imparting movement to the sliding members.

1,516,895. SPEED-CHANGING DEVICE FOR GRINDING WHEELS. PAUL STONER, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed Nov. 18, 1920. Serial No. 424,902. 10 Claims. (Cl. 51-72.)



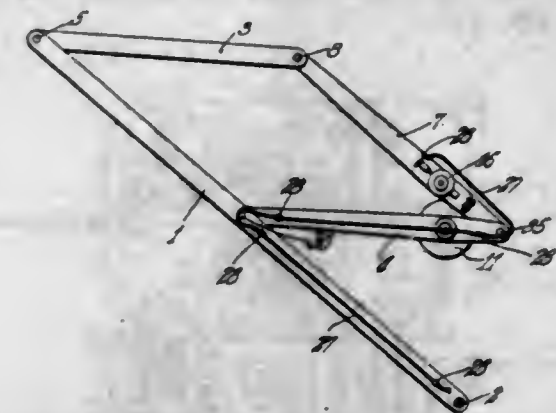
1. In a grinding machine, a spindle, a grinding wheel secured thereto, a shield for the wheel, variable speed driving means on the spindle, and means on the shield for controlling the operation of the speed varying means.

1,516,896. SAMPLING DEVICE. EDWIN BRANCH TURNER, Bird City, Kans. Filed Oct. 31, 1922. Serial No. 598,231. 8 Claims. (Cl. 88-14.)



1. In a device of the character described, comprising an elongated and open top receptacle, and means for providing a plurality of pockets adjacent each side of the receptacles, said receptacle having its one end open and provided with a scoop.

1,516,897. PANTOGRAPH ENGRAVING TOOL. CLARENCE D. TUSKA and PERCIVAL H. SPENCER, Hartford, Conn., assignors to The C. D. Tuska Company, a Corporation of Connecticut. Filed June 13, 1923. Serial No. 645,100. 8 Claims. (Cl. 90-13.2.)

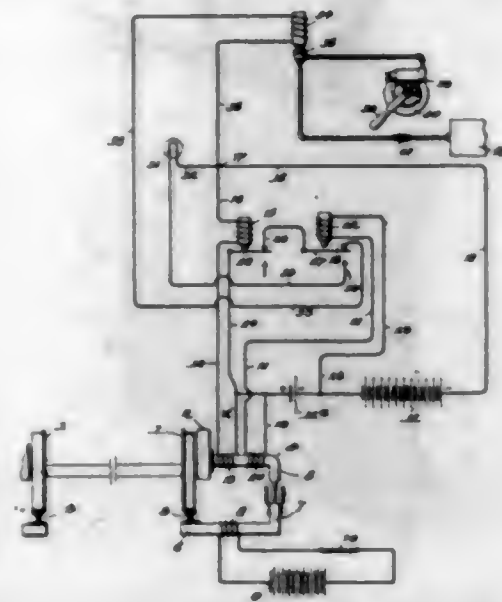


1. A pantograph engraving device comprising in combination, a tool guiding arm, a weighted non-rotating bearing slidably mounted in said arm for a floating up and down movement, an engraving tool revolvably mounted in said bearing and carried vertically therewith, a tracing arm having a tracing point remote from said engraving tool and means acting on said vertically movable bearing for elevating and lowering the same with said engraving tool said means being operable from the proximity of said tracing point.

1,516,898. DEVICE FOR OPERATING TRAIN-CONTROL MECHANISMS. ERWIN C. VROMAN, Watertown, N. Y., assignor to The New York Air Brake Company, a Corporation of New York. Filed Apr. 19, 1920. Serial No. 375,100. 4 Claims. (Cl. 246-63.)

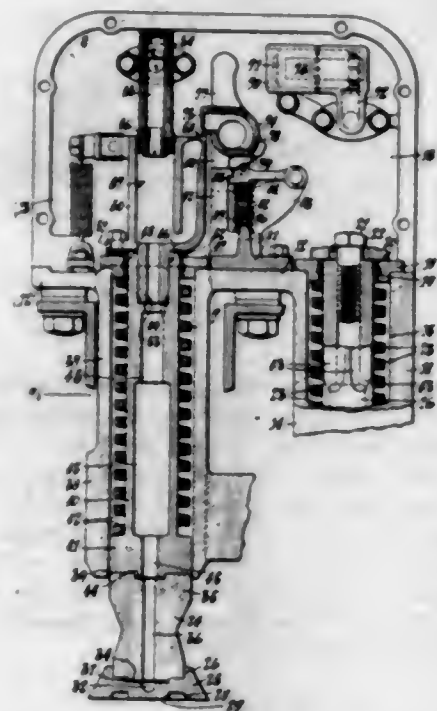
2. In a device for controlling railway vehicles, the combination of a track having rails; a railway wheeled vehicle running on said rails; a core mounted on said vehicle in position to offer an open magnetic circuit

through itself and a wheel of said vehicle; a core on said track in position to offer an open magnetic circuit through itself and a rail of said track, the parts above enumerated being so arranged that at the moment of passage of said vehicle-carried core past said track-core



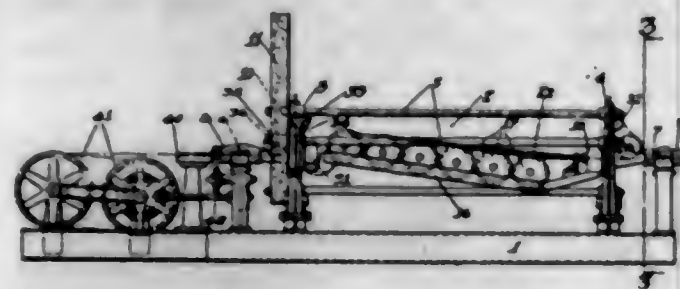
a substantially closed magnetic circuit is afforded through the wheel rail and cores; energy developing means associated with said cores and including an inductive winding; and train controlling means operable by said energy developing means.

1,516,809. TRAIN-STOPPING MECHANISM. JEAN FRANCIS WEBB, JR., New York, N. Y., assignor to The International Signal Co., a Corporation of Arizona. Filed Dec. 30, 1922. Serial No. 609,864. 14 Claims. (Cl. 246-181.)



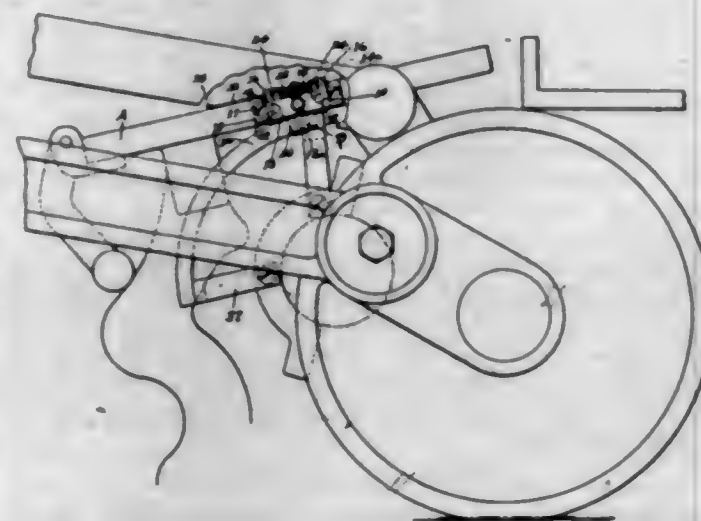
10. In apparatus of the class described, a support including a back wall, a base, and a plunger housing, a plunger operating in said housing, a head on said plunger, a cam shaft operated by said plunger head, said plunger head being hollow and having a cylinder portion, an air duct secured to said back wall and telescoped air tight into said head cylinder portion, means to admit train line air to said air duct, whereby it will enter said head and force said piston downwardly.

1,516,900. MACHINE FOR TWISTING STRANDED FORMS. GEORGE F. WRIGHT and ALBERT S. KNAPP, Worcester, Mass., assignors to C. F. Wright Steel & Wire Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 4, 1923. Serial No. 643,336. 6 Claims. (Cl. 117-46.)



1. In a machine of the class described, a filer rotatable on a horizontal axis, a cradle carrying a plurality of reels for supplying strands of flexible material to said filer, said cradle hanging freely within said filer on pivots located on the axis of said filer, and means for rotating said filer relatively to the said cradle whereby a twist is imparted to the strands at each end of said filer.

1,516,901. ADJUSTABLE SHEET GUIDE FOR PRINTING PRESSES. AMOS ACKLEY, Camden, N. J. Filed Jan. 4, 1923. Serial No. 610,603. 6 Claims. (Cl. 101-414.)

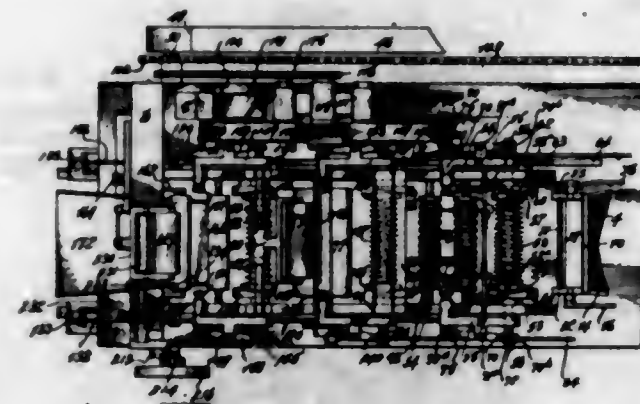


1. The combination with the oscillatable platen of a printing press, of a supporting member mounted upon the edge of the platen, a pin extending therefrom, a block mounted upon said pin, a spring surrounding the pin and engaging the block and urging the block outward away from the platen, a roller carried upon said block, a sheet guide disposed upon the face of the platen and operatively supported upon said block and being longitudinally adjustable, the sheet guide having a portion adapted to extend parallel to the edge of a sheet of paper on the platen, and an arcuate cam forming part of the press and concentric to the axis of oscillation of the platen with which said roller is adapted to engage, said cam acting to shift the sheet guide inward toward the center of the platen as the platen moves toward the chase of type.

1,516,902. WRAPPING AND LABELING MACHINE. ERNEST D. ANDERSON and CARL BECKMANN, New York, N. Y., assignors to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 27, 1920. Serial No. 361,073. 6 Claims. (Cl. 93-5.)

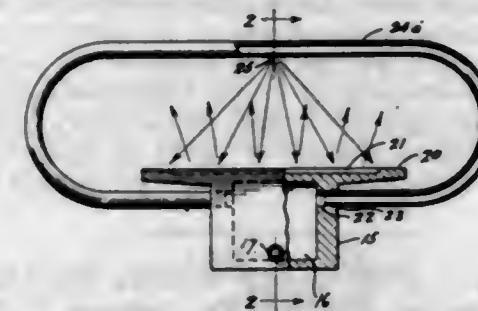
1. The combination of a pair of rollers, one of said rollers having a groove, means to apply wrappers upon the rollers, devices to assemble articles on the wrappers

on the rollers and operative in the aforesaid groove, a guide movably supported between said rollers to guide the wrappers thereon, means to actuate the guide, a roll



to co-operate with said articles and wrappers to roll them together, means to move the roll toward and from said rollers, and means to operate said roll.

1,516,903. OIL BURNER. OLUF ANDERSEN, Los Angeles, Calif. Filed Nov. 13, 1923. Serial No. 674,576. 1 Claim. (Cl. 158-66.)

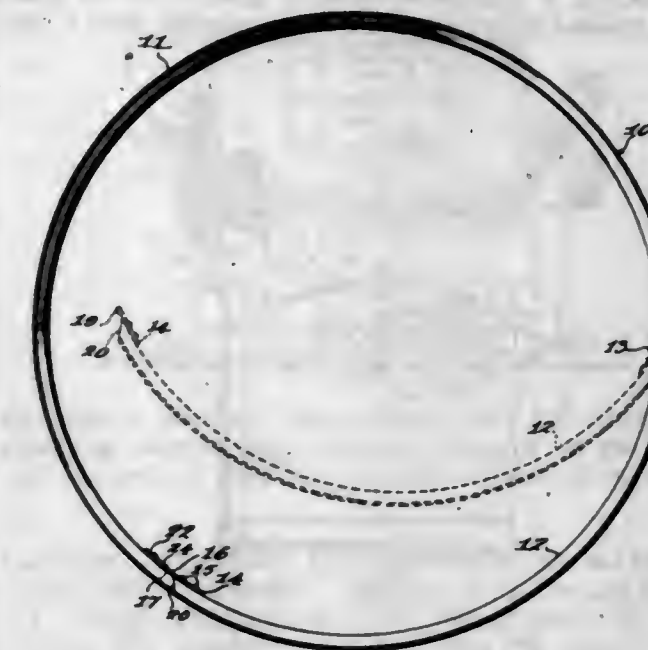


A burner comprising a body having a relatively deep vaporizing chamber provided with a fuel inlet at its bottom, a C-shaped burner pipe having its respective ends connected with the chamber approximately at the top thereof, and a rectangular tray formed as an integral part of the body and having portions immediately overlying the ends of the burner pipe and extending over an appreciable length thereof, the connecting portion of the pipe between said ends overlying the tray and having a burner orifice, the said deep chamber functioning to permit oil to rise therein so that a top film of oil is exposed directly to the action of radiant heat from the under side of the tray medially thereof, and the said sides of the tray serving to cause heat therefrom to radiate downward against the ends of said burner pipe for coaction with the under side of said tray so as to vaporize the fuel before it passes to the burner orifice.

1,516,904. WHEEL RIM. FRANK ARCHER, Erie, Pa. Filed Apr. 11, 1923. Serial No. 631,443. 1 Claim. (Cl. 301-32.)

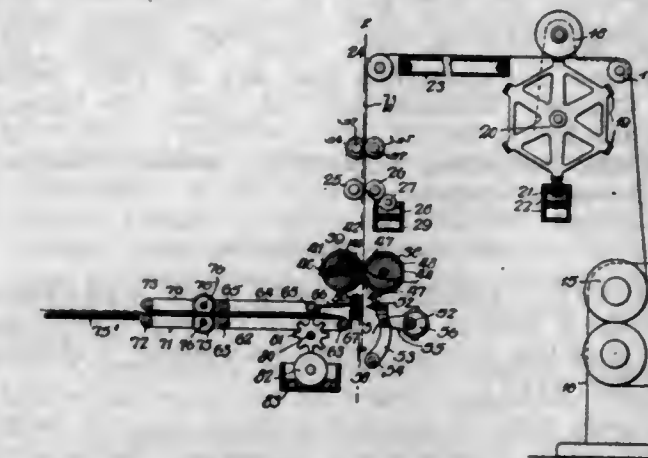
A rim comprising a pair of sections hingedly connected to provide a pair of relatively movable ends, said ends being beveled whereby one is adapted to be swung inwardly, one of said ends being provided with a transverse opening, a locking member pivoted intermediate its ends to said last named end adjacent said opening, said locking member being provided with an arcuate under-cut beveled cam face adapted in one position to be arranged opposite said opening, and a plate carried by the other of said ends and projecting therebeyond, said plate

being provided adjacent its end with a transverse lug adapted to be received in said opening and being further provided opposite said lug with a beveled face adapted



to be engaged by the cam face of said locking member, said beveled face being provided with a shoulder arranged in the path of said locking member.

1,516,905. METHOD OF AND MACHINE FOR MAKING ENVELOPES. HARRY Y. ARMSTRONG, Syracuse, N. Y., assignor of one-half to William L. Hall, Chicago, Ill. Filed Feb. 2, 1920. Serial No. 355,547. 31 Claims. (Cl. 93-64.)

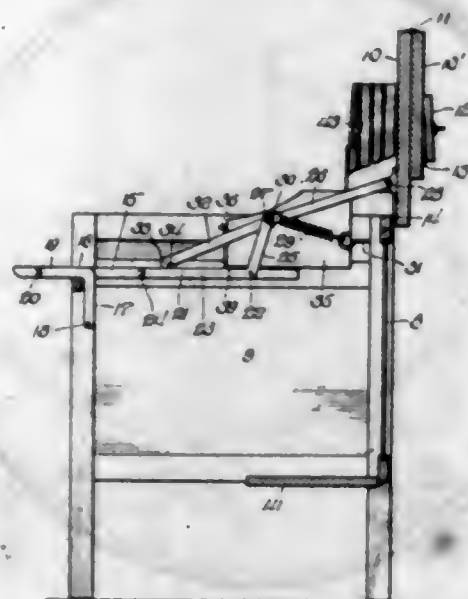


1. An envelope making machine for producing from a continuous web a series of envelopes without waste, comprising paste applying rolls between which a web is passed, one of which has transversely continuous and circumferentially interrupted end and intermediate raised paste applying areas to apply narrow paste patches to the extreme edges of the web and intermediate wider, transversely continuous paste patches, severing and drawing rolls for cutting connected multi-envelope sections from the web, folding means to fold the multi-envelope sections, and means to cut the sections longitudinally through the intermediate wider paste patches.

1,516,906. DESK. JOHN L. AXEN, Chicago, Ill. Filed Dec. 6, 1922. Serial No. 605,161. 2 Claims. (Cl. 45-52.)

1. A desk comprising a hollow cabinet frame open at the top; a cover hinged to the rear wall of the frame to close the top thereof; a floating shelf, below the cover; a pair of bell-crank levers, one on each side of the shelf, the ends of the vertical members thereof pivoted to the frame and the remaining horizontal ends

of said levers pivoted to the shelf near its front edge, when the shelf is in a horizontal position; another pair of bell-crank levers, one on each side of the shelf, each lever having a horizontal member pivoted to the shelf and a substantially vertical member pivoted thru a con-

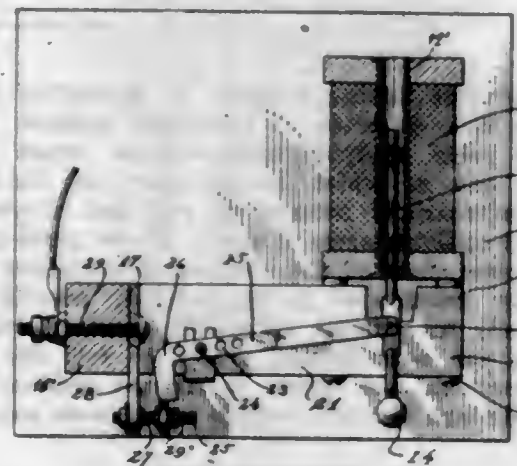


necting link to the cover, near where it is hinged to the frame, the latter cranks having their vertices pivotally connected to the side walls of the cabinet frame, and a pair of springs connected to the vertical members, respectively, of the last mentioned cranks and to the rear wall of the frame, thereby tending to raise the shelf.

1,516,907. FUEL FOR MOTORS. ARTHUR A. BACKHAUS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Original application filed June 25, 1918, Serial No. 241,755. Divided and this application filed May 28, 1921, Serial No. 473,326. Renewed Sept. 13, 1924. 10 Claims. (Cl. 44-7.)

1. A fuel comprising a petroleum distillate and an absolute methyl alcohol.

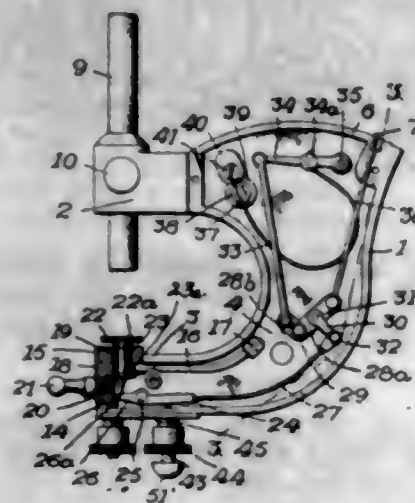
1,516,908. CIRCUIT MAKER AND BREAKER. LEONARD S. BALUTA and OSCAR W. ALTHOFF, Berwick, Pa. Filed Dec. 1, 1921. Serial No. 519,190. 3 Claims. (Cl. 200-111.)



1. A circuit maker and breaker comprising a solenoid, a frame, including a pair of spaced arms disposed at each side of the axis of said solenoid, a bell crank lever disposed between said arms, the arms and the bell crank lever having a plurality of spaced openings formed therein, a pivot bolt for positioning in any one of said registering openings, the pivot bolt forming a binding post, a removable spring clip arranged to engage the pivot bolt, the lever and the arms, a second binding post, a sta-

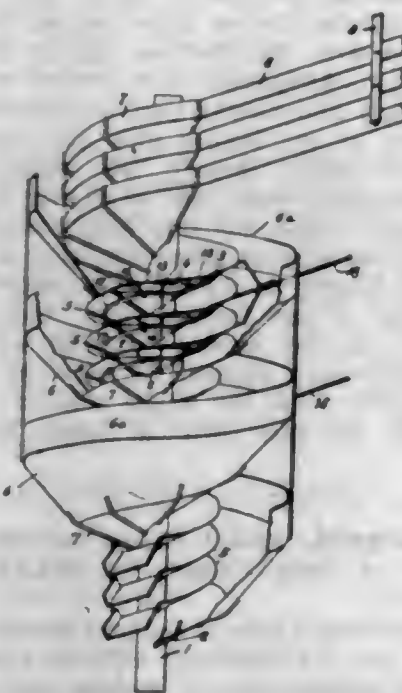
tionary contact point electrically connected with the second binding post, a movable contact carried by the lever electrically connected with the first binding post through said pivot bolt, spring and lever, and an armature carried by said lever and extending into said solenoid.

1,516,909. MICROMETER CALIPER. JOHN BATH, Worcester, Mass., assignor to John Bath & Company, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed July 14, 1919. Serial No. 310,804. 15 Claims. (Cl. 33-147.)



1. In a micrometer caliper, the combination with a pivotally mounted main abutment, a multiplying lever and a member for transmitting movement of said abutment to said lever, of a device for locking said abutment against pivotal movement and an auxiliary abutment located adjacent to the pivotal point of said lever for acting on said lever when the main abutment is locked.

1,516,910. ADJUSTABLE SPIRAL SEPARATOR. JOHN H. BECKER, Hazleton, Pa., assignor to Anthracite Separator Company, a Corporation of Pennsylvania. Filed Oct. 7, 1921. Serial No. 500,115. 4 Claims. (Cl. 83-54.)



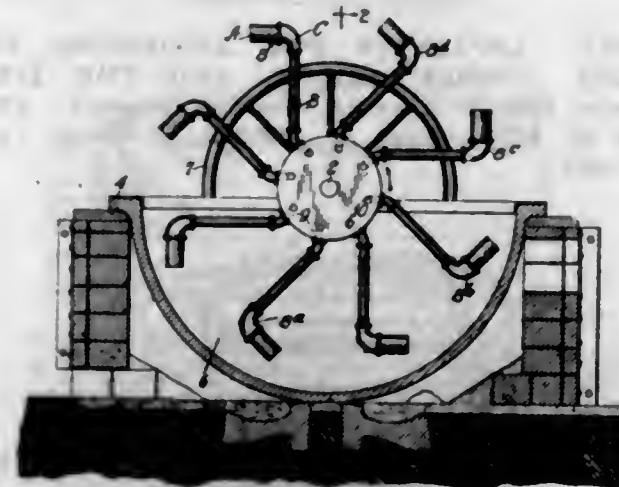
1. A separator having a spiral runway over which the material to be separated travels, pivoted plates secured at different points along the runway and forming part of the supporting area thereof and means for simultaneously moving the several plates inwardly and outwardly.

1,516,911. REINFORCING SLEEVE FOR ROTARY DRILL PIPE. WALLACE CANFIELD and PAUL ROBERT GEORGE BIEDERMANN, Trft, Calif. Filed June 13, 1923. Serial No. 645,141. 3 Claims. (Cl. 285-197.)



1. A reinforcement for coupled sections of drill pipe, comprising a pipe section; a threaded coupling exteriorly screwed upon the end of said section; and a sleeve tightly fitted within the coupled end of the pipe section and extending within the pipe beyond the cross plane of the coupling end, said sleeve on its outside being cylindrical and on its inside tapering away from the pipe end.

1,516,912. DEVICE FOR THE HANDLING OF MOLTEN LEAD, TIN, BABBITT, AND OTHER METALS OR MATERIALS. GILBERT RICHARD COLEMAN, Jersey City, N. J. Filed Mar. 22, 1922. Serial No. 545,681. 6 Claims. (Cl. 22-70.)

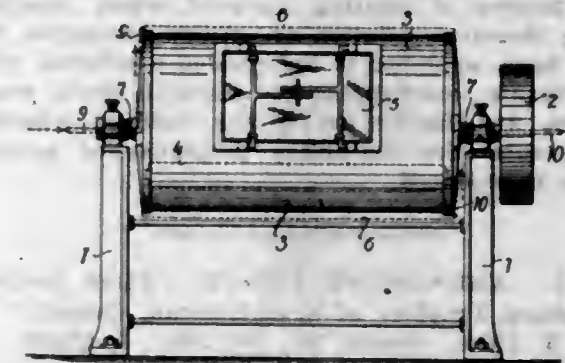


1. Means for raising molten material consisting of a revoluble hub, having a series of tubular members outwardly affixed thereto, the end portions of said tubular members being bent forward in the direction of revolution of said hub, said end portions having bucketed orifices adapted to dip into and to gather said molten material as said hub is revolved, a reducing L between the end portion and the main portion of said tubular members, said tubular members being connected at their base with holes located in said hub, which holes communicate with intersecting holes in said hub, a trough connected with said intersecting holes and discharging means connected with said trough.

1,516,913. ROTARY GRINDING MACHINE. HARRO CRAMM, Neukolln, Germany. Filed Aug. 15, 1917. Serial No. 180,423. Renewed Oct. 21, 1924. 3 Claims. (Cl. 83-9.)

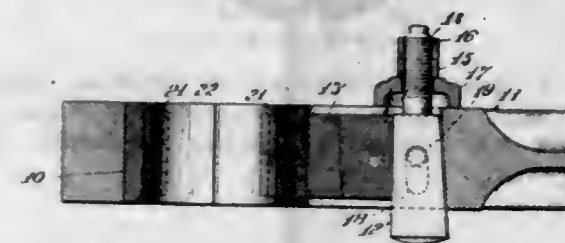
1. An apparatus of the class described, comprising a rotary barrel which in cross section perpendicular to the axis of rotation has smooth surface portions alter-

nately approaching and receding from the said axis, which is located within said barrel, said cross section being uniform throughout the operative length of the barrel.



rel, and a crushing roller located in said barrel and extending substantially the entire length of the barrel, with the axis of such roller parallel to that of the barrel.

1,516,914. BEARING AND METHOD OF MANUFACTURING THE SAME. WILLIAM H. CROFT and ROBERT J. SHOEMAKER, Chicago, Ill. Filed Mar. 29, 1923. Serial No. 628,423. 5 Claims. (Cl. 22-203.)



1. A bearing element consisting of a body of lubricating metal formed on the back with ribs and a metallic body die cast around the same to form an integral structure therewith.

1,516,915. PROCESS FOR EXTRACTING SULPHUR FROM GASES CONTAINING SULPHURETED HYDROGEN. MARIE CHARLES JOSEPH ELISÉE DE LOISEY, Paris, France, assignor to Augustin Amédée Louis Joseph Damiens, Arcueil-Cachan, France, to himself, and to Olivier Joseph Gislain Piette, Brussels, Belgium. Filed May 31, 1922. Serial No. 564,884. 4 Claims. (Cl. 23-10.)

1. A process for extracting the sulphur contained in hydrosulphuric gas or in volatile sulphides, even when there are only traces of this gas in other gases, which substantially consists in precipitating it in the midst of an acid liquor of a ferric salt and in regenerating the ferrous liquor resulting therefrom by oxidizing the latter by air by means of a catalyzer constituted by an oxygen acid of nitrogen, so that, with the exception of insignificant losses, the separation of the sulphur involves the consumption of no chemical agent other than oxygen in the form of air.

1,516,916. SLED BRAKE. THOMAS DOUGHERTY, New York, N. Y. Filed June 28, 1923. Serial No. 648,209. 3 Claims. (Cl. 188-8.)



1. The combination with a sled having a pair of parallel runners, of a longitudinally extending bar hingedly mounted at each end between the runners, a plurality of spaced spurs on said bar, and a single means to raise and lower said bar to cause the spurs to engage or disengage the surface traversed.

1,516,917. PROCESS OF TREATING SEAWEED. PAUL THEODORE FREUNDLER, Paris, France. Filed Oct. 12, 1922. Serial No. 594,188. 2 Claims. (Cl. 252-1.)

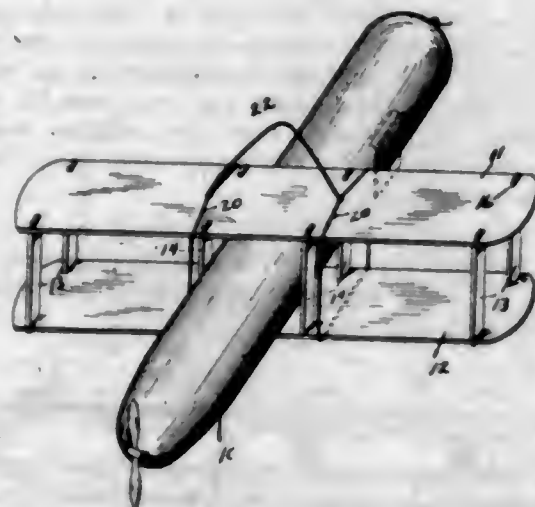
1. A process of treating sea-weed which consists in applying thereto a solution of calcium bisulphite, filtering the mass, applying to the residue a solution of sodium carbonate, centrifuging the insoluble mass, washing the mass, and finally drying the residue; whereby a cellulose substance containing properties of particular hardness is produced.

1,516,918. AMUSEMENT DEVICE. FRITZ GOLDBACK, Marysburg, Province of Saskatchewan, Canada. Filed June 5, 1922. Serial No. 566,189. 1 Claim. (Cl. 46-41.)



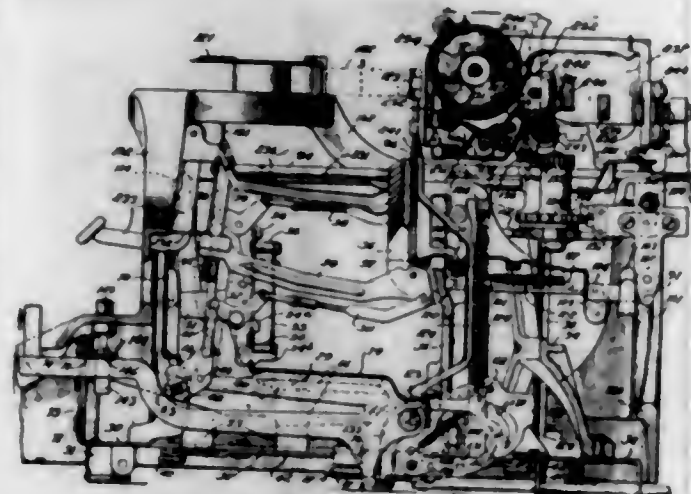
An amusement device of the class described comprising a handle of elongated construction, a transparent hollow sphere mounted on one end of the handle, an elongated receiving figure on the same end of the handle and situated within the transparent hollow sphere and provided at its end further from the handle with a longitudinally extending opening, and a bumper platform between the figure and the handle within the transparent hollow sphere.

1,516,919. AIRCRAFT NOVELTY. SAMUEL GORDON, Brooklyn, N. Y. Filed Feb. 20, 1923. Serial No. 620,142. 16 Claims. (Cl. 102-3.)



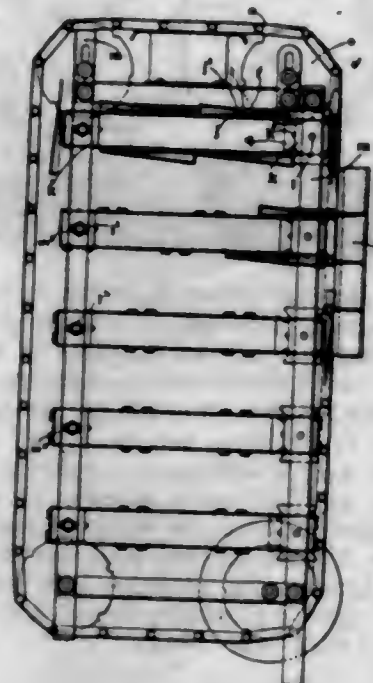
8. In a device of the character described, a wing structure comprising upper and lower planes and struts connecting said planes, certain of said struts being positioned adjacent the center of said planes, and an inflated member frictionally held between said planes and between said struts adjacent the center of said planes.

1,516,920. TYPEWRITER. DE WITT C. HARRIS, Pine-land, Fla. Filed Mar. 8, 1922. Serial No. 541,930. 31 Claims. (Cl. 197-186.)



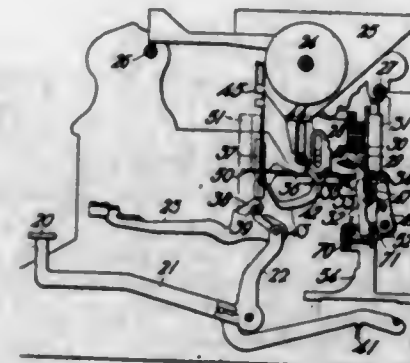
1. A typewriter having, in combination, an action unit arranged to rest upon a desk or other support, a frame unit comprising a main framework surrounding and enclosing said action unit and supported on the latter, a plurality of vertically disposed interengaging dowel pins and cooperating recesses on the respective units, a plurality of vertical posts of substantially the full height of said units, and a plurality of vertical bearings substantially co-extensive with said posts, said posts being mounted on one unit and said bearings on the other unit, said dowel pins, recesses, posts and bearings cooperating to insure proper relationship between the two units and permitting ready removal of the frame unit in a vertical direction without disturbing the action unit.

1,516,921. APPARATUS FOR EXHIBITING PICTURES, ADVERTISEMENTS, AND THE LIKE. GEORGE ERNEST HARTLEY, Watford, England. Filed Mar. 10, 1924. Serial No. 698,203. 5 Claims. (Cl. 40-96.)



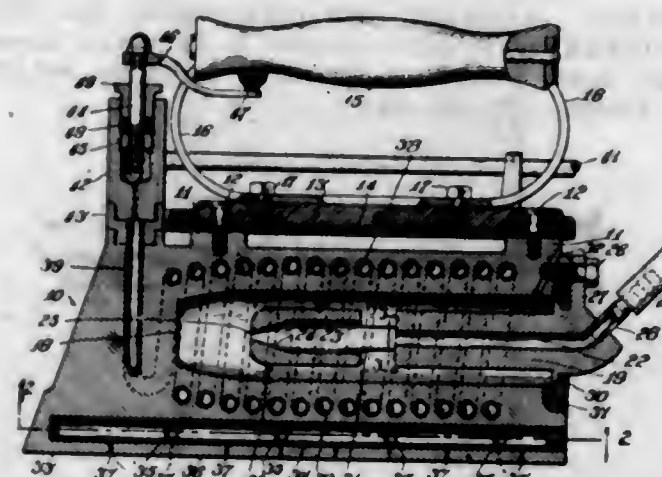
1. A separator having a spiral separating runway and means for varying the width or supporting area of said runway so that a certain class of material traveling thereon can be centrifugally discharged at different radial distances from the axis of the separator.

1,516,922. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed June 13, 1919, Serial No. 303,913. Divided and this application filed Apr. 5, 1920. Serial No. 371,312. 9 Claims. (Cl. 197-97.)



2. In a typewriting machine, the combination with a set of type-bars pivoted in an arc, of a curved universal bar in the paths of the type-bars for operation thereby, a frame of which said universal bar forms a part, a rocking frame constituting a support for said universal bar frame, and means movable for bringing the edge of said universal bar into parallelism with the arc of said type-bar pivots.

1,516,923. PRESSING IMPLEMENT. LOUIS HOFFMAN, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company, a Corporation of Delaware. Filed Apr. 24, 1920. Serial No. 376,184. 3 Claims. (Cl. 68-26.)



1. A pressing implement of the moistening type comprising an integral body of metal formed with a recess for a heating element and provided with a circulation duct for the moistening fluid formed in part of a pipe coil about the several turns of which coil the body of metal is cast with the coil surrounding the recess, the pressing face of the implement having perforations communicating with the duct for the discharge of the moistening fluid from the duct.

1,516,924. ROPE CLAMP. JOHN D. JAYNES, Twining, Mich. Filed Aug. 13, 1924. Serial No. 731,791. 4 Claims. (Cl. 24-132.)

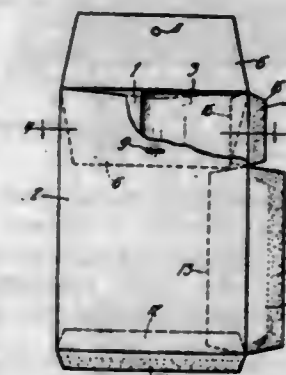
1. A rope clamp comprising a loop having an open end, a tongue pivoted between the legs of said open end and

having a broad end overlying the sides of the loop, and a keeper of curved formation pivoted in the sides of the



loop and overlying the tongue, whereby a rope passed through the loop, down over the tongue and under the keeper will be held against slipping at all times.

1,516,925. DUPLEX ENVELOPE. EMANUEL J. LEWIS and JAMES G. MCGEEVY, Chicago, Ill. Filed Feb. 3, 1921. Serial No. 442,221. 4 Claims. (Cl. 229-72.)

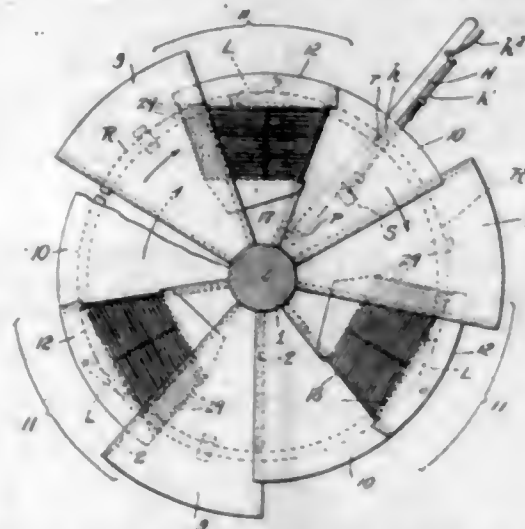


1. A duplex envelope comprising front, rear and inside panels connected by score lines, and foldable therealong with said inside panel interposed between said front and rear panels, said inside panel being sealed along two of its free edges to said front panel thereby forming a separate compartment of reduced size opening along a portion of one edge of the envelope and separate sealing flaps along said last mentioned edge, one for the opening to said compartment and another for permanently sealing the remaining portion of said edge.

1,516,926. ADJUSTABLE SPIRAL SEPARATOR. FRANK PARDEE, Hazleton, Pa., assignor to Anthracite Separator Company, a Corporation of Pennsylvania. Filed Oct. 4, 1921. Serial No. 505,293. 11 Claims. (Cl. 83-54.)

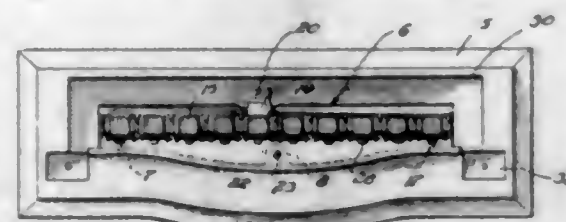
1. An apparatus for exhibiting advertisements, and the like comprising a frame, a series of rotatable elements mounted in the said frame, the said elements respectively carrying parts of the advertisements to be exhibited and being disposed so that the parts of a particular advertisement may be presented in alignment, a screen movable before the said elements and along a continuous path, means for carrying and for effecting the movement of the said screen along the said path, and mechanism for im-

parting an intermittent angular movement to the respective rotatable elements in succession to effect a change in the advertisement, the said mechanism being



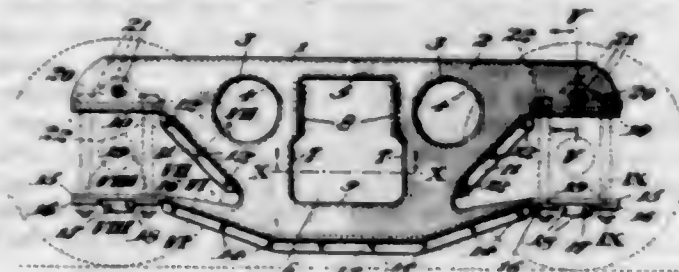
operative to move an element only when the said element is obscured by the said screen, substantially as hereinbefore described.

1,516,927. OPEN-FIRE GAS HEATER. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed July 27, 1923. Serial No. 654,044. 19 Claims. (Cl. 126—92.)



1. A gas heater comprising a base frame having a central elongated opening therein, a burner secured upon the underside of the frame, and a mantle support detachably secured upon the upper side of the frame so as to be removable independently of the burner.

1,516,928. FRAME FOR SIDES OF CAR TRUCKS. CHARLES S. PROUDFOOT, Westmont, and DAVID L. EYNON, Bethlehem, Pa. Filed Feb. 24, 1923. Serial No. 620,894. 8 Claims. (Cl. 105—205.)

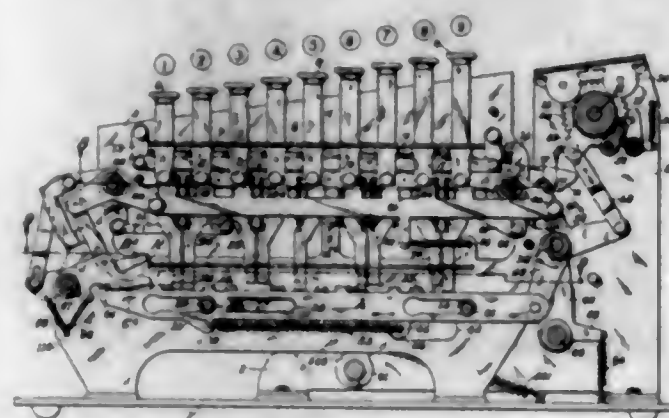


1. A truck frame composed of one metal plate, having a top portion, two side portions extending therefrom and spaced apart, some parts of said side portions having inwardly extending flanges and other outwardly extending flanges integral therewith, secured together by welding.

1,516,929. MONEY-SCHEDULING MACHINE. EDWIN L. BELLIS, St. Louis, Mo., assignor to Liberty Systems Corporation, Wilmington, Del. Filed Jan. 24, 1916. Serial No. 74,023. 80 Claims. (Cl. 235—80.)

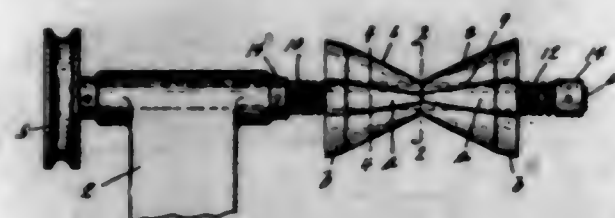
1. In a machine of the class described, a series of selective manipulative elements arranged for combined operation to represent compound items, a series of select

elements adapted to represent denominations of those items, analysis mechanism adapted, upon the combined operation of selected manipulative elements, to automatically select those select elements which represent the denominations of the item represented by the operated manipulative elements, and means for positively limiting the operation of all of said select elements in accordance with such selection.



4. In a machine of the class described, a series of selective manipulative elements arranged in units and tens so that tens and units are adapted for combined operation to represent compound numbers, a series of select elements adapted to represent denominations of those numbers, analysis mechanism adapted, upon the combined operation of unit and ten manipulative elements, to automatically select those select elements which represent the denominations of the number represented by the operated manipulative elements, and means for positively limiting the operation of all of said select elements in accordance with such selection.

1,516,930. MACHINE FOR OPERATING ON THE SHANKS OF SHOES. JOSEPH E. ROUSSEAU, Haverhill, Mass. Filed Sept. 28, 1922. Serial No. 591,079. 4 Claims. (Cl. 12—34.)



4. A machine for operating on the bottoms of shoes comprising a rotatably driven shaft, a pair of conically shaped solid metal rolls splined thereon with their ends of smaller diameter in proximity, said rolls each having a series of flattened portions extending longitudinally from end to end thereof and tapering in width from their larger to their smaller ends with the surfaces at their edges rounded to blend with the adjacent conical surfaces thereof, and yieldable means for pressing said rolls together and permitting separation thereof as they are driven.

1,516,931. KNITTED TIE. CHARLES SEIDMAN, Philadelphia, Pa. Filed Feb. 27, 1924. Serial No. 695,305. 1 Claim. (Cl. 2—147.)

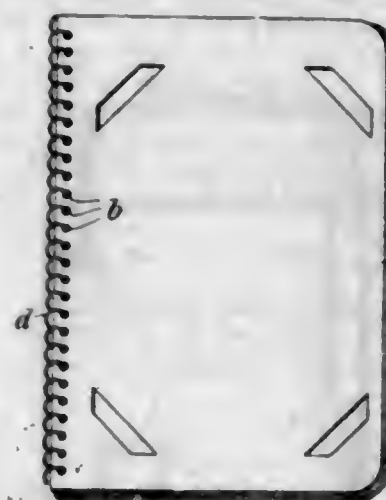
As a new article of manufacture, a knitted necktie of tubular configuration, the knitted fabric being stretchable both transversely and longitudinally and a filler of the shape and size of said necktie contained

wholly therein and extended throughout the length and width thereof, said filler being formed of woven material non-stretchable both transversely and longitudi-



nally, and being secured to each end of said necktie by over seam stitching covering the ends of the knitted and woven fabrics.

1,516,932. NOTEBOOK WITH EXCHANGEABLE LEAVES. LUDWIG STAAB, Hofen, near Isny, Germany. Filed May 7, 1923. Serial No. 637,320. 1 Claim. (Cl. 129—1.)



A note book with exchangeable leaves comprising in combination loose sheets each having perforations near one edge, said perforations being spaced from one another at a uniform distance, and a spiral spring the distance between the turns of which corresponds to the distance between the perforations, said spiral spring being screwed into said perforations of the superposed sheets.

1,516,933. GUARD FOR HANDPIECES OF DENTAL ENGINES. GIUSEPPE E. TERRANOVA, New Haven, Conn. Filed Feb. 4, 1924. Serial No. 600,340. 1 Claim. (Cl. 32—10.)

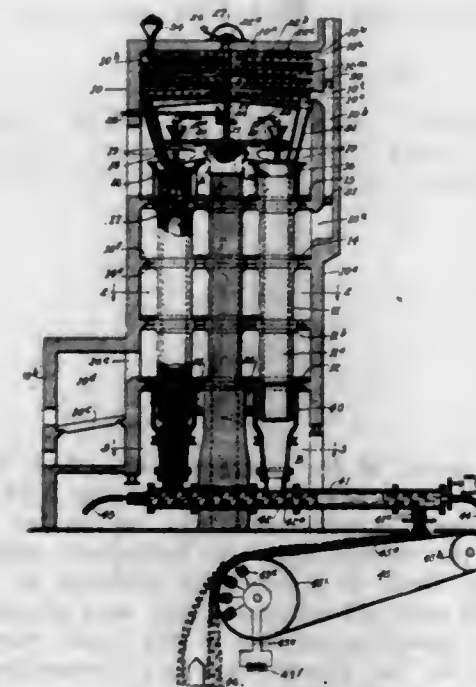
A guard for handpieces of dental engines, comprising a segmental flange projecting outward from a plate,

means for attaching the same to the handpiece of a dental engine, one member of a snap-fastener mounted on



said plate and a piece of sponge attached to the other member of a snap-fastener, whereby the piece of sponge may be detachably connected with said plate.

1,516,934. APPARATUS FOR TREATMENT OF ORES. EDWIN B. THORNHILL, Hurley, N. Mex. Filed Jan. 8, 1920. Serial No. 350,173. 9 Claims. (Cl. 263—29.)

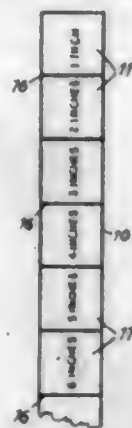


1. In apparatus of the class described, a heating furnace, a retort mounted therein, means to shower metalliferous particles through said retort, and means to supply a reducing agent to said retort adjacent the point of supply of said metalliferous particles.

1,516,935. PROCESS FOR MAKING DRAW CURTAINS. JOSEPH WACHTEL, New York, N. Y. Filed Oct. 19, 1920. Serial No. 418,015. 1 Claim. (Cl. 150—10.)

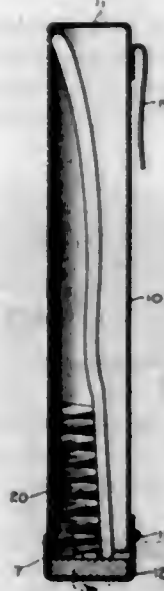
In the process of making a draw curtain, that step which consists of stitching lengthwise on the curtain material spaced parallel flexible strips all of one-half the length of the curtain material, each strip having throughout its length equidistant measurement lines and the curtain material having spaced rows of equidistant measurement lines throughout its length, the spaces between the measurement lines of the material being twice

the length of the spaces between the measurement lines of the strips and forming folds in the curtain material between the strips by moving the material during the



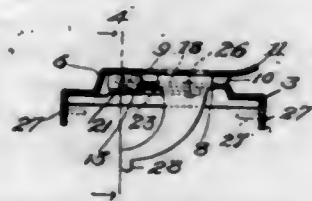
stitching so that the successive measurement lines of all of its rows will align with the successive measurement lines of all of the strips.

1,516,936. INDIVIDUAL TOOTHBRUSH STERILIZER. SAMUEL WEINRIE, New York, N. Y. Filed Apr. 4, 1924. Serial No. 704,202. 5 Claims. (Cl. 206-15.1.)



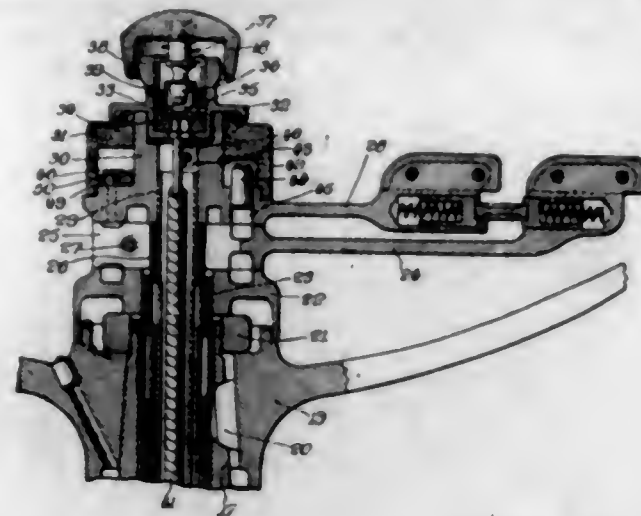
1. In a device of the character described, in combination a container adapted to receive and hold a toothbrush, a closure for the container, means for pivotally supporting the closure from the container, said closure being in the form of a container adapted to hold and be recharged with a sterilizing agent, said pivotal mounting for the closure permitting of the bodily removal and replacement of the closure whereby recharging of the closure container is facilitated.

1,516,937. LOCK DEVICE. EDGAR WIDIN, Westfield, N. J. Filed Mar. 15, 1924. Serial No. 699,471. 6 Claims. (Cl. 292-202.)



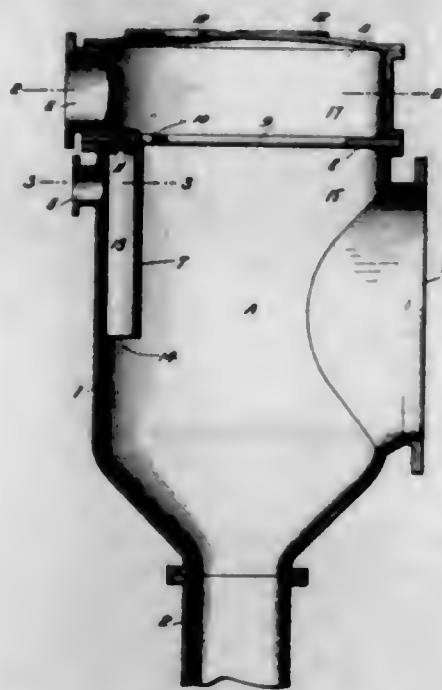
1. In a device of the class described, the combination with a frame, of an auxiliary section provided with ears secured to said frame, a primary section provided with ears registering with the ears of the auxiliary section, means pivotally connecting all of said ears together, and means for holding the primary section in an open or a closed position.

1,516,938. VEHICLE LIGHT CONTROL. CHILDE HAROLD WILLS, Marysville, Mich., assignor of one-half to Cromwell A. B. Halvorsen, Jr., Lynn, Mass. Filed Nov. 6, 1920. Serial No. 422,159. 1 Claim. (Cl. 200-59.)



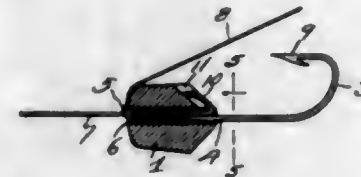
In a steering column assembly, a steering column and a steering wheel secured thereto, a control tube passing through the column and extending above the wheel, a control lever secured to the control tube, switch contacts carried by the control lever, a switch collar associated with the lever, a cup carrying a button switch secured to the upper face of the lever, the switch collar being secured rotatably between the cup and lever, a switch blade carried by the collar, and a dowel pin carried by the lever and coacting with an arcuate slot in the collar to limit relative rotation between the lever and collar.

1,516,939. JET CONDENSER. WILLIAM R. WILSON, Amityville, and ARTHUR P. BROCKLEBANK, Brooklyn, N. Y., assignors to Wheeler Condenser and Engineering Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 11, 1922. Serial No. 528,519. 5 Claims. (Cl. 261-113.)



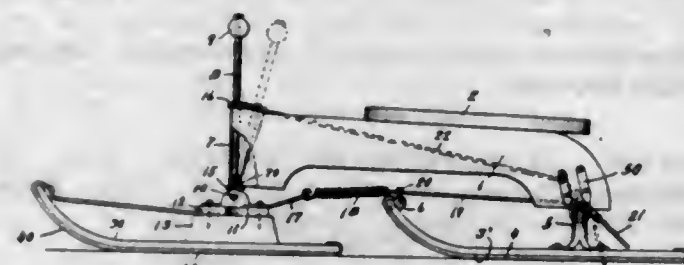
1. In a jet condenser, the combination with a shell, having a steam inlet, and an air outlet, of an injection water inlet having a bottom provided with a plurality of slots converging towards the air outlet from a crescent shaped steam distributing space located in the shell near the steam inlet and partially extending around the ends of the slots, said crescent shaped steam space being located opposite to a similar space in the water chamber.

1,516,940. FISHING BAIT. BENJAMIN H. WINCHELL, Chicago, Ill., assignor to South Bend Bait Co., South Bend, Ind., a Corporation of Indiana. Filed Aug. 18, 1924. Serial No. 732,654. 7 Claims. (Cl. 43-39.)



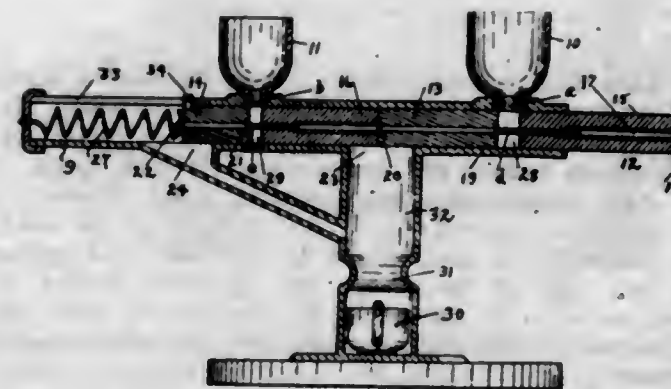
2. The combination with a fish hook shank, said shank extending through an aperture in a bait body, an eye carried by said shank adjacent one end of the bait body, of means for securing said shank to said bait body, said means comprising a wire secured to the shank and extending through the aperture and the eye of the shank, one end of said wire being provided with a bent portion disposed in a slit in one end of the bait body, and means whereby a fishing line may be attached to said wire.

1,516,941. COASTING SLED. HENRY C. WINN, Haverhill, Mass. Filed Jan. 29, 1923. Serial No. 615,760. 5 Claims. (Cl. 280-16.)



1. A coasting sled comprising a frame having front and rear runners, a vertically disposed steering rod mounted for rotation in the front end of the frame and connected to the front runner whereby the latter may be turned thereby, means permitting the upper portion of said rod to be swung rearward, a brake device and connections between said brake device and said upper portion of said rod, whereby the brake device will be moved into operative position when said rod portion is swung rearward.

1,516,942. MEASURING AND DISPENSING INSTRUMENT. ERNEST E. WISE, Omaha, Nebr. Filed Apr. 4, 1924. Serial No. 704,283. 2 Claims. (Cl. 221-96.)



1. In a measuring and dispensing instrument, a casing provided with intake ports and discharge ports, a plunger slidably mounted in the casing and including blocks, a rotatable screw-rod traversing the plunger and having threaded connections for moving the blocks longitudinally of the plunger to provide chambers in communication with the intake ports of the casing, said plunger

being movable to dispose said chambers in communication with the discharge ports of the casing, the threaded connection of the screw-rod with said blocks being such that when the screw-rod is rotated one block will move at a speed greater than another block for changing the relative volumes of said chambers.

1,516,943. CAGE ROLLER BEARING. THEODORE E. BARKER and ALFRED E. ELLEFSEN, Denver, Colo., assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Jan. 26, 1922. Serial No. 531,905. 3 Claims. (Cl. 64-62.)



1. A cage for anti-friction roller bearings comprising a body having a plurality of separating walls defining a series of open ended pockets for the bearing elements, said walls being connected at one end, and a retaining ring at the free ends of the walls and having enlarged heads that substantially close the open ends of the pockets and means embracing the portions of the ring between the heads for securing said ring to the said walls.

1,516,944. STRIKING MACHINE. CLARENCE LESLIE BARNHART, South Brooklyn, N. Y. Filed Aug. 23, 1922. Serial No. 583,844. 8 Claims. (Cl. 265-22.)

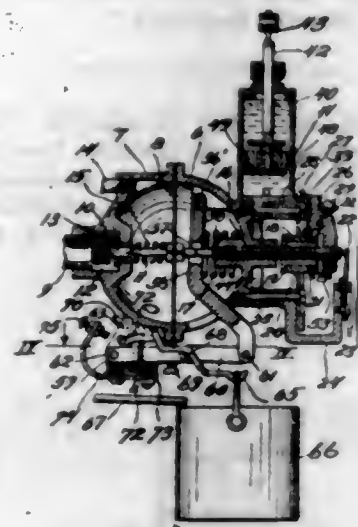


1. In a striking machine, an anvil member, a guide extending substantially perpendicularly above the said member, and a striking member slidable along the guide to coact with the anvil member, the said striking member having a hand grip portion.

1,516,945. OIL-BURNER VALVE. ELI A. BASEL, Kansas City, Mo. Filed Dec. 11, 1922. Serial No. 606,100. 11 Claims. (Cl. 137-139.)

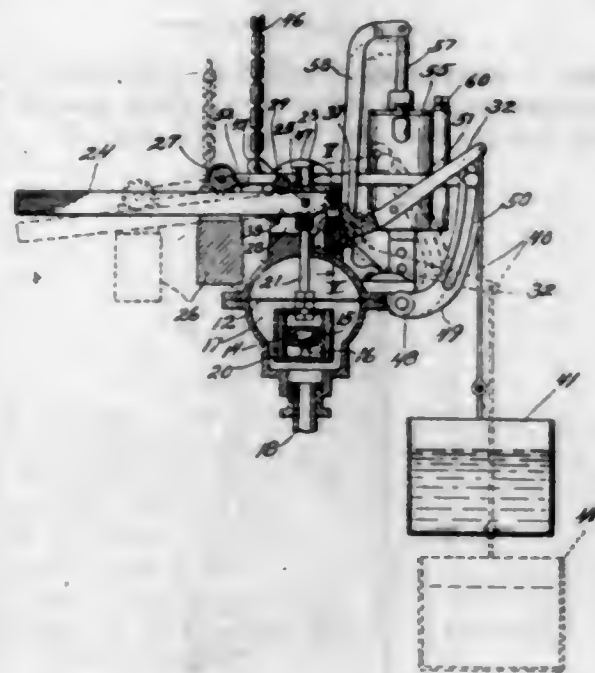
3. Valve mechanism for burners comprising, in combination with the fuel passage leading to the burner, a valve controlling the flow of fuel through said passage,

a manually operable device for controlling said valve, an operating device having a remote-control connection for controlling said valve and having an adjustable



catch element, and a retractable pin carried by said manually operable device for engagement with said catch element.

1,516,946. OIL-BURNER VALVE. ELI A. BASKI, Kansas City, Mo. Filed Nov. 26, 1923. Serial No. 677,147. 12 Claims. (Cl. 158-36.)

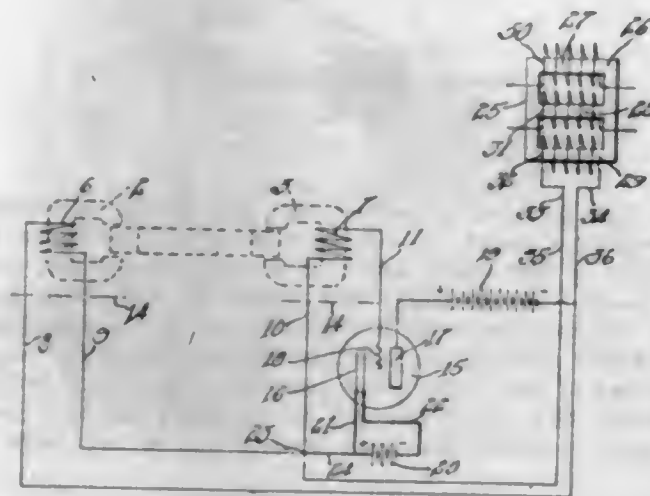


1. Valve regulating means for burners comprising, in combination with the fuel passage leading to the burner, a valve for controlling the flow of fuel into said passage, a diaphragm connected with said valve, a lever carrying an adjustable counter-weight and connected with said diaphragm and cooperating therewith to maintain said valve normally in open position while responding to a rise in pressure in said passage to permit the closing movement of the valve, and remote-control means for adjusting said counterweight along said lever.

1,516,947. TUNING DEVICE. LUCIEN J. BEINDORF, Chicago, Ill. Filed Sept. 8, 1922. Serial No. 586,906. 7 Claims. (Cl. 84-454.)

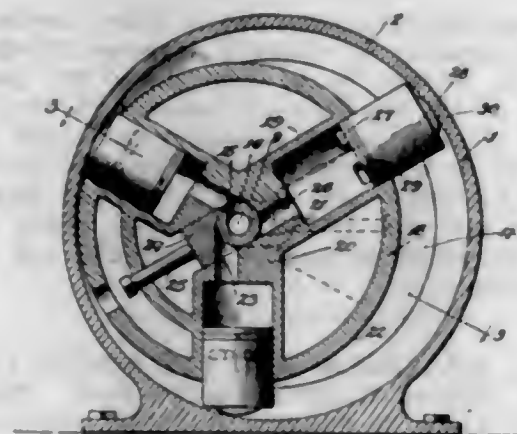
1. A tuning device of the character described comprising a differential transformer having three windings thereon, means for generating a pulsating current having

a predetermined frequency, said current being directed through one of the windings on said transformer, means for producing a pulsating current having an uncertain frequency, said last named current being directed to flow



through the second winding on said transformer, and means electrically connected with the third winding on said transformer for detecting any difference in frequency between the current of predetermined and uncertain frequency.

1,516,948. FLUID-PRESSURE ENGINE. PAUL H. BENEDIX, Chicago, Ill. Filed Jan. 17, 1922. Serial No. 529,873. 4 Claims. (Cl. 121-64.)

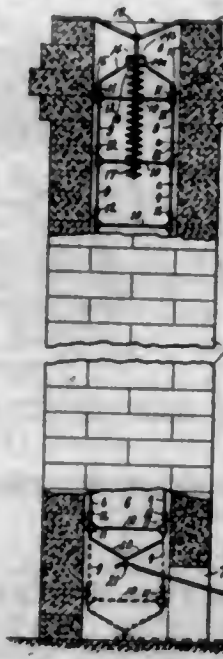


1. In a fluid pressure engine, a shaft having a crank, a casing having a cylindrical wall surrounding the shaft and concentric to the axis thereof, an assemblage of cylinders within the casing upon the said crank of the shaft, means for admitting fluid under pressure to said cylinders successively in the rotation of the shaft, and pistons freely operating in the cylinders and against the said wall of the casing, the cylinders having exhaust ports to be uncovered by the pistons when the pistons are substantially at the limit of their outward movement.

1,516,949. CHIMNEY CLEANER. AXEL H. BERGERSON, River Falls, Wis. Filed Apr. 9, 1924. Serial No. 705,367. 5 Claims. (Cl. 15-249.)

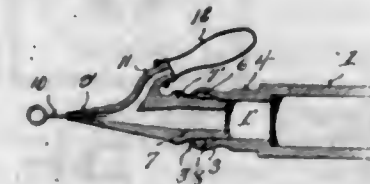
1. In a chimney cleaner, a plurality of vertically disposed chains with horizontally registering links, horizontally arranged bars interposed between adjacent ends of said links and adapted to engage the surfaces of the

chimney flue, means for suspending the cleaner in the top end of a chimney, said cleaner terminating adjacent an opening in the lower portion of the chimney and



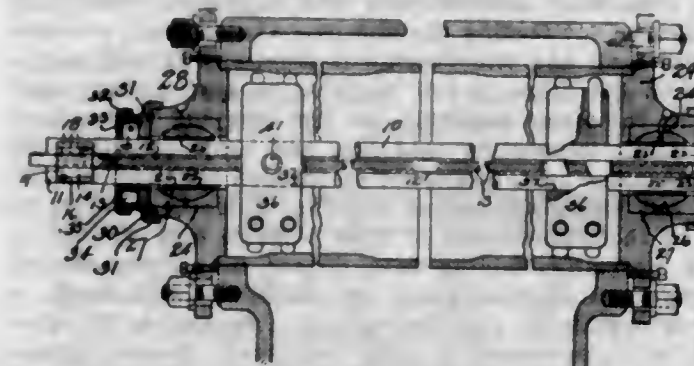
means adapted to be inserted in said opening to engage the lower end of the cleaner to reciprocate it within the flue.

1,516,950. FOUNTAIN PENCIL. EDWARD C. BERNERS, Two Rivers, Wis. Filed June 26, 1922. Serial No. 571,102. 2 Claims. (Cl. 91-67.5.)



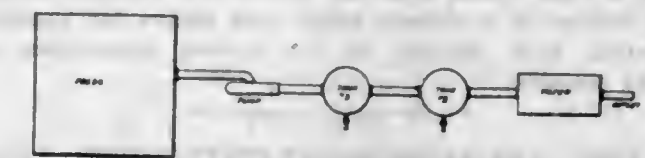
1. A fountain pencil comprising a one piece hollow stem having a single opening therein, said opening being formed by a contracted portion and having an enlarged portion immediately in front of said contracting portion, said enlarged portion terminating in an intumed edge, a closure having an aperture therethrough, a membranous jacket surrounding said closure and wedged between said closure and the contracted part and intumed lip.

1,516,951. MACHINE TOOL. HARRY A. BRENNAN, Altoona, Pa. Filed Dec. 15, 1922. Serial No. 607,156. 2 Claims. (Cl. 77-2.)



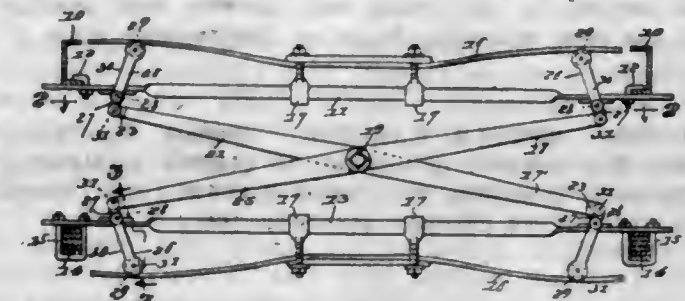
1. A device for machining piston valve bushings including a pair of recessed end spiders having external threads at the mouth of the recessed portions, bearing blocks fitted in said recessed portions, a spherical shell fitted in said bearing blocks, a cutter bar journaled in said shells, end caps fitted to the externally threaded portions of the recessed end spiders, one of said end caps being provided with a chamber and a cover adapted to be locked therewith, and a clamp carried by the cutter bar and positioned in the end cap having the chamber to lock the bar against longitudinal movement.

1,516,952. PROCESS FOR THE DISPOSAL OF GARBAGE. EDWARD H. BRUNE, St. Louis, Mo. Filed May 24, 1923. Serial No. 641,268. 1 Claim. (Cl. 99-11.)



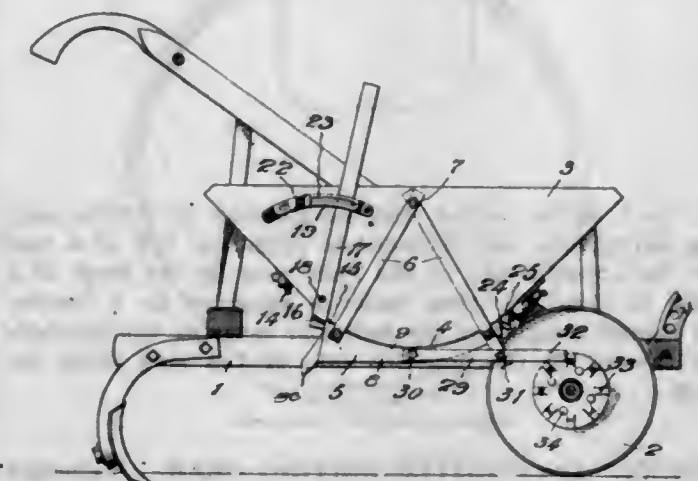
A garbage disposal process consisting of pressing garbage to a pulp for expressing liquids therefrom, then pumping the expressed liquid into a storage tank after which the liquid is withdrawn in a predetermined volume from the storage tank and transferred to a processing tank, then subjecting the liquid in the processing tank to the action of heat to segregate the oils and fats in definite strata on the surface of the liquid and permitting the solid particles to gravitate to the bottom of the processing tank, and finally removing the oils, fats and solid particles from the processing tank after which the liquid residue is passed through a filter for salvaging particles suspended in the liquid.

1,516,953. EQUALIZER. JOHN LOUIE BURNS, Wichita Falls, Tex. Filed Jan. 9, 1923. Serial No. 611,627. 3 Claims. (Cl. 267-12.)



1. In a spring equalizer, a bar connected to the springs of a vehicle, a bar connected to the frame, shackles oscillatably mounted on the said bars, crossed levers each having one of its ends connected to the shackle on one bar and to the shackle on the other bar on opposite sides of the vehicle, means for pivotally connecting the levers together, and springs engaging the end of the shackle remote from the pivot and exerting pressure on the shackles, as and for the purpose described.

1,516,954. FERTILIZER DISTRIBUTOR. EUGENE M. COLE, Charlotte, N. C. Filed Sept. 26, 1919. Serial No. 326,455. 12 Claims. (Cl. 111-76.)



1. In a fertilizer distributor, a hopper having an opening at its lower end, a movable bottom supported below said opening and having a discharge end, the portion of said bottom adjacent the discharge end lying normally in an approximately horizontal plane, means

for shifting said bottom substantially longitudinally of itself while slightly angularly displacing the same and maintaining all portions thereof at a constant distance from a fixed point, resilient means for forcibly moving said bottom in a reverse sense, and means for suddenly arresting such motion as the bottom approaches its initial position.

1,516,953. DERMATOLOGICAL INSTRUMENT. PHILIP CUSIMANO, Los Angeles, Calif. Filed Feb. 21, 1923. Serial No. 620,372. 5 Claims. (Cl. 128-354.)



1. A dermatological instrument for removing ingrowing hairs having a frame with a pore squeezing device at one end for pressing down the flesh around the hair, and tweezer jaws at the other end, and a magnifying glass carried by the frame and movable into position over the pore squeezing device or the tweezer jaws.

1,516,956. BOTTLE CARRIER. GEORGE H. DAVIE, Erie, Pa., assignor of one-half to Charles A. Massing, Millcreek Township, Pa. Filed Oct. 12, 1922. Serial No. 594,121. 4 Claims. (Cl. 215-100.)

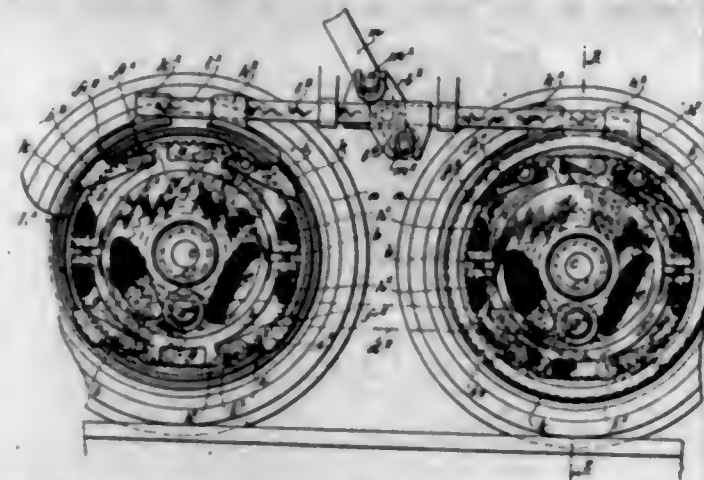


1. In a bottle carrier, the combination of a wire split ring having one end extended to form one end of a ball and the opposite end of the split ring in the form of a catch to close the ring under a shoulder on a bottle; and means completing the ball and securing the opposite end thereof to the opposite side of the ring from the catch.

1,516,957. LOCOMOTIVE DRIVING GEAR. MATTHEW L. DAVIS, Jr., Oak Grove, Ala., assignor of one-half to Matthew L. Davis, Sr., Oak Grove, Ala. Filed Dec. 6, 1922. Serial No. 605,231. 10 Claims. (Cl. 105-97.)

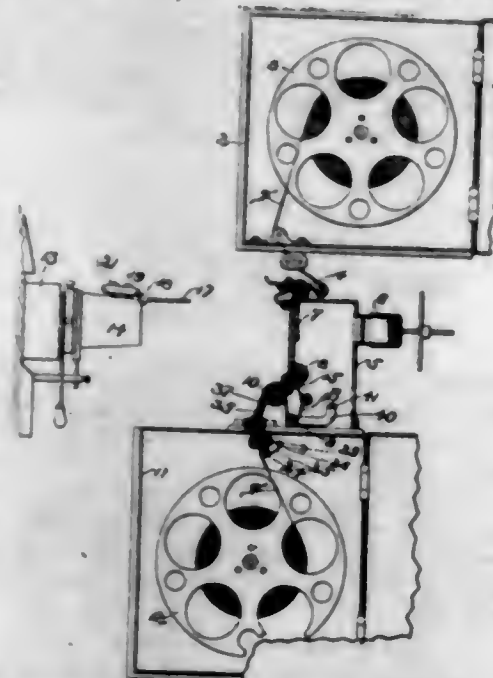
1. The combination of an axle, a traction wheel, a traction gear, a driving member, a driving gear, inter-

mediate gearing between the driving gear and the traction gear, a rotatable carrier for the intermediate gear-



ing, and means to connect the carrier releasably and operatively with the driving member.

1,516,958. SAFETY MECHANISM FOR MOVING-PICTURE-PROJECTING MACHINES. JOHN H. DAVITT, Medford, and HENRY C. CORNETTA, Boston, Mass.; said Davitt assignor to said Cornetta. Filed Oct. 5, 1920. Serial No. 414,768. 2 Claims. (Cl. 88-17.)

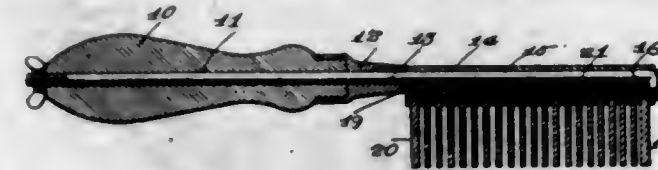


1. In a moving picture projecting machine, the combination of an upper reel magazine, a lower reel magazine, a machine head between said magazines comprising mechanism for feeding the film past the exposure window in said head and transferring it from one of said magazines to the other, a roll mounted to bear against said film in the lower magazine, an arm carrying said roll, a rock shaft supporting said arm and projecting through the magazine case, means acting through said arm to hold said roll yieldingly against the film, a douser movable to cut off the transmission of light through said window, a latch normally holding said douser in an inoperative position, an electro-magnet for releasing said latch, a switch outside of said casing and arranged to be operated by a movement of said rock shaft when a predetermined bodily displacement of said roll occurs, and a normally open electric circuit in which said magnet is connected, said circuit being arranged to be closed by said switch.

1,516,959. COMB. JHUE RUSSELL EARP, Chattanooga, Tenn., assignor of one-half to Benjamin Silverman, Chattanooga, Tenn. Filed Nov. 7, 1923. Serial No. 673,255. 2 Claims. (Cl. 132-16.)

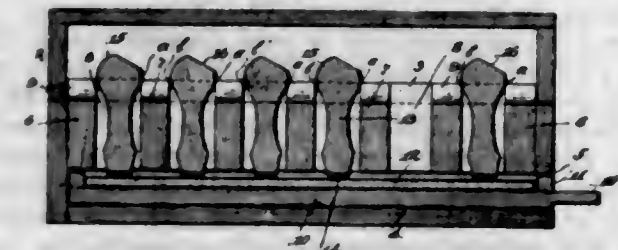
1. A back having spaced slots extending transversely thereof, teeth having their butt portions located in said

slots, a tooth-retaining rod passing through the portions of the back between said teeth and through the butt portions of the teeth, a handle, and a rod slidably pass-



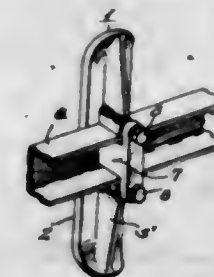
ing through the back and handle and having a head engaging the end of the back remote from the handle and covering the corresponding end of the first rod, and means for securing the rod in the handle.

1,516,960. STAND AND PAD. ISADORE J. FAGGEN, New York, N. Y. Filed Feb. 27, 1922. Serial No. 539,485. 18 Claims. (Cl. 101-333.)



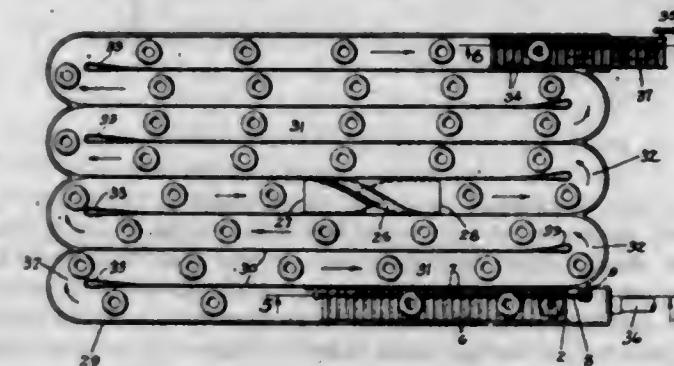
1. In a device of the character described, comprising a receptacle adapted to receive a member having a type surface and a sliding member carried by said receptacle, said member independently of but in contact with said sliding member.

1,516,961. BUMPER ATTACHMENT. HARRY L. FRENCH and WILLIAM A. STARCK, Milwaukee, Wis., assignors to Badger Mfg. Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Jan. 15, 1921. Serial No. 437,472. 3 Claims. (Cl. 293-55.)



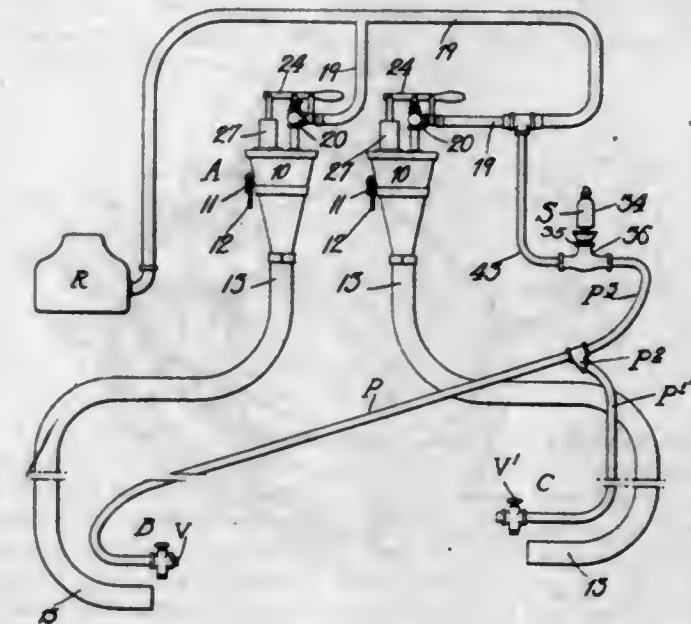
2. An attachment for a vehicle bumper comprising a shoe and a reinforcing web therefor, said web being shaped to receive the impact bar of the bumper and to receive means to secure said attachment to said bar.

1,516,962. DOUGHNUT MACHINE. VERNE V. GUN-SOLLEY, Minneapolis, Minn. Filed Oct. 17, 1922. Serial No. 595,152. 10 Claims. (Cl. 53-7.)



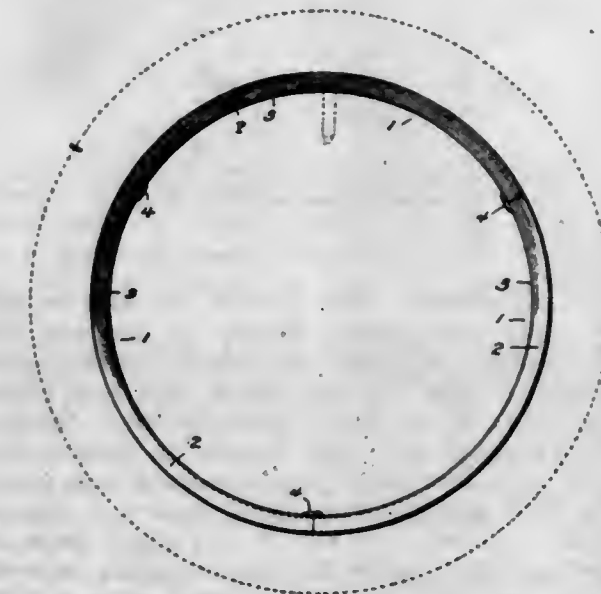
9. A cooking apparatus having a passage for the flow of cooking liquid and articles to be cooked, and a device adapted to impart a rotary turning movement to the articles to invert them by the flow of the liquid as they are carried along in the cooking liquid.

1,516,963. PNEUMATIC SIGNAL APPARATUS. JOHN G. HARROLD, Quincy, Mass. Filed Apr. 14, 1922. Serial No. 552,625. 4 Claims. (Cl. 243-8.)



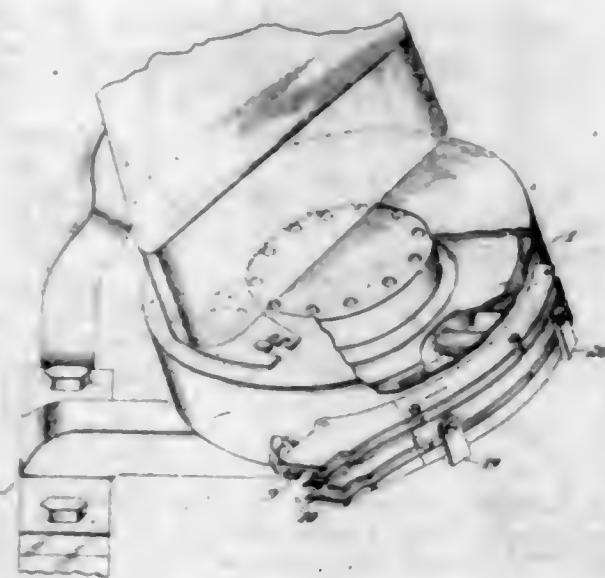
3. In combination a delivery apparatus and a signal apparatus including a fluid pressure supply, a receptacle having a delivery pipe to receive and transmit an article, an air inlet valve connected to said supply, means for opening the valve, retaining means operable by pressure from within the receptacle for holding the valve open, and a door on the receptacle normally open and closed by pressure from within the receptacle, a signal operatively connected to said fluid pressure supply located in juxtaposition to said receptacle and means located at a remote point for manually controlling the operation of said signal.

1,516,964. DEMOUNTABLE RIM. CLAUD R. HAYS, Camp Holabird, Md., assignor to John W. Weeks, Secretary of War of the United States of America, trustee. Filed Jan. 6, 1921. Serial No. 435,517. 4 Claims. (Cl. 301-31.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A demountable rim consisting of a plurality of sections all provided with ears struck from both ends thereof, and bent in the same direction to receive the ends of adjoining sections.

1,516,965. FASTENER-FEEDING MECHANISM. GEORGE W. JACQUES, Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 14, 1919. Serial No. 310,858. 21 Claims. (Cl. 218-17.1.)



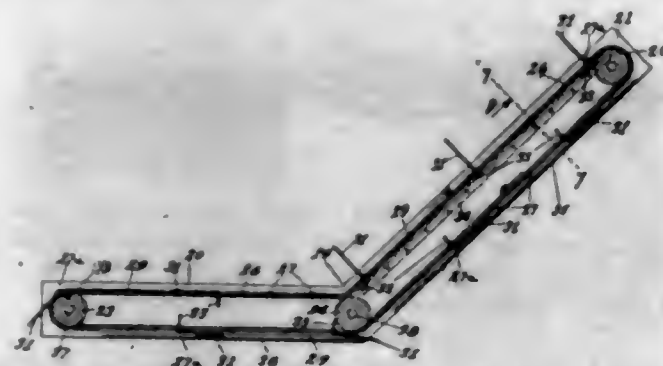
19. An apparatus for supplying lacing hooks, comprising a hopper having a single mouth to discharge a plurality of courses of lacing hooks, a plurality of raceway strips arranged adjacent to said mouth each to receive a course of lacing hooks, and means arranged in said mouth to reject improperly positioned lacing hooks approaching the raceway strips and to accept those properly positioned and guide them to positions astride said strips.

1,516,966. GLOVE. PETER S. R. JENSEN, Berlin, Wis. Filed Jan. 27, 1923. Serial No. 615,186. 1 Claim. (Cl. 2-169.)



A glove comprising a body portion and integral finger portions, said body portion having an aperture therethrough having continuous margins, a separate thumb piece secured within the aperture in said body portion, the first and fourth finger portions each having a single longitudinal seam and each being formed by an outwardly extending projection from said body portion provided with a lateral flap folded around to complete such finger portions, the second and third finger portions being formed by projections extending outwardly from said body portion each provided with a lateral flap folded around to complete such second and third finger portions, said second and third finger portions each having a single longitudinally extending seam, and a single transverse seam joining said second and third finger portion to the body portion on the palm side of said glove.

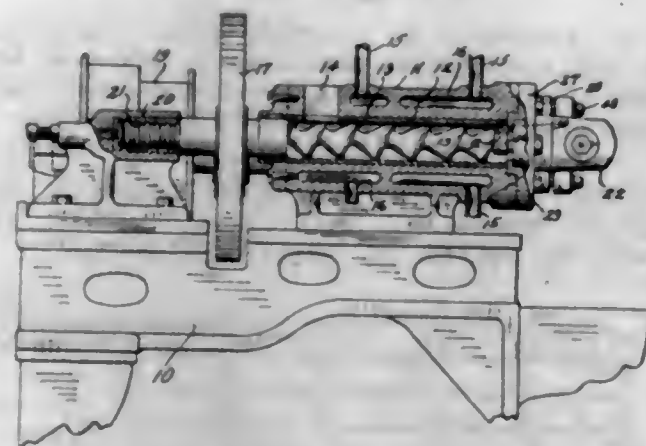
1,516,967. SHOCK-LOADING MACHINE. BERT A. JOHNSON, Mandan, N. Dak. Filed Feb. 11, 1921. Serial No. 444,258. 6 Claims. (Cl. 198-170.)



1. In a shock loader having a suitable wheel supported frame adapted to be propelled forwardly, a carrier frame positioned transversely on said frame, an endless conveyor mounted in the carrier frame, the upper part of said conveyor having a horizontal run and an inclined run leading upwardly therefrom, series of tines pivotally mounted to and arranged to swing axially from spaced transverse slats in said carrier, said tines normally resting rearwardly on the conveyor, means for automatically raising said tines to substantially perpendicular position while traveling up said inclined run of the conveyor, and means for holding said tines rearwardly up against the under side of the conveyor during the return run thereof.

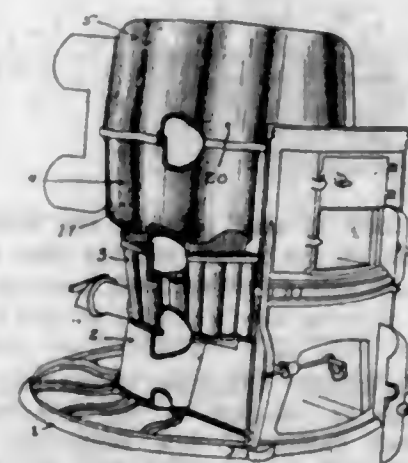
4. In a shock loading machine, a suitably mounted carrier frame having a horizontal portion and an inclined portion leading upwardly therefrom, an endless conveyor mounted on rollers rotatably mounted in said frame, means for rotating said rollers, said carrier frame having grooves therein, transverse slats in said conveyor, the ends of said slats being adapted to travel in said grooves, rods oscillatably mounted in certain of said slats, integral tines extending perpendicularly from said rods through slots in the respective slats, said tines resting normally rearwardly on the conveyor, and means for raising said slats to substantially perpendicular position while traveling up the inclined run of the conveyor.

1,516,968. EXTRUDING MACHINE. EDGAR H. JOHNSON, Stamford, Conn. Filed Jan. 5, 1922. Serial No. 527,198. 8 Claims. (Cl. 18-12.)



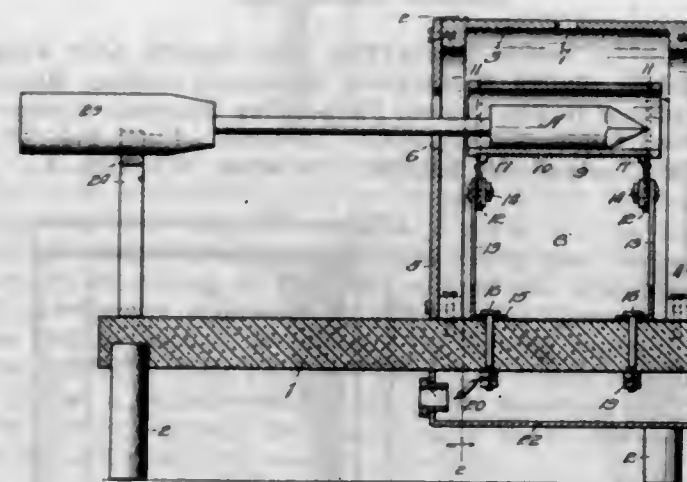
1. An extruding machine comprising a cylinder, a screw conveyor in said cylinder and of substantially the same diameter as said cylinder so that said conveyor is adapted to convey plastic material and discharge it from the cylinder under pressure, a positively acting feeding mechanism connected with said cylinder to receive the plastic material therefrom, said feeding mechanism comprising a casing and intermeshing gear elements mounted to rotate in said casing and closely fitting the walls thereof, an extruding die arranged to receive the plastic material from the feeding mechanism, and means for rotating the gear elements.

1,516,969. FURNACE CONSTRUCTION. JOHN KERCH, Akron, Ohio, assignor to The XXth Century Heating and Ventilating Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 9, 1923. Serial No. 630,693. 9 Claims. (Cl. 126-99.)



1. In a furnace construction comprising a fire pot and a feed section placed thereon, the fire pot having a continuous groove about its upper edge, a continuous rib about the lower edge of the feed section, the groove being bounded by continuous flanges and laterally extending flanges on the sides of the feed section overlying the first named flanges whereby a continuous three line contact is provided about the joint between the feed section and the fire pot.

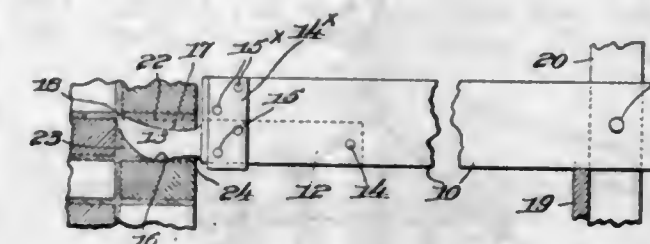
1,516,970. ELECTRIC FURNACE FOR HEATING SOLDERING COPPERS. WALTER H. KIGER, St. Louis, Mo., assignor of one-half to Albert C. Oppermann, Jr., Nursery, Mo. Filed Aug. 17, 1922. Serial No. 582,491. 2 Claims. (Cl. 210-22.)



1. In an electric soldering furnace structure, a leg supported insulator plate, a housing removably supported at one end of said plate, said housing having a heat vent in its upper wall and a removable front plate having openings therein, a soldering iron handle support fixed to opposite ends of said plate, tubular insulator heating members disposed within said housing, supporting members fixed to said plate below said insulator heating members, a connection between said supporting members and opposite ends of said insulator heating members for supporting said members above said supporting members, a heating coil wound about said tubular insulator heating members having connection at opposite ends with the connections between the insulator

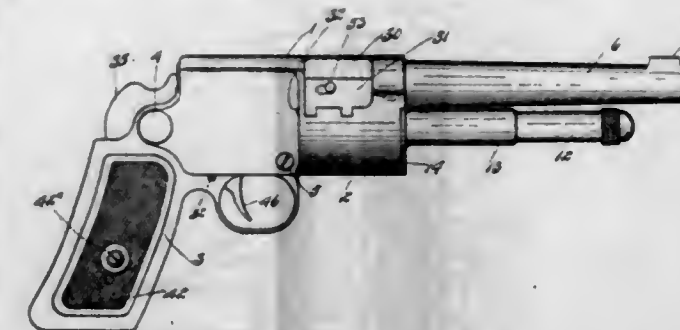
heating members and the supporting members, circuits formed through the medium of said supporting members and said heating coils and a switch for each circuit.

1,516,971. PUTLOG. THOMAS H. KINGSTON, West Somerville, Mass. Filed Dec. 19, 1922. Serial No. 607,869. 4 Claims. (Cl. 304-39.)



1. A putlog having a thin metallic extension permanently secured thereto and adapted to be received in a crevice between adjacent building elements, and to be rocked in unison with said log for the purpose of releasing it from a crevice, one edge of said extension being curved to form a rocker, and another edge having an appreciable sheer terminating abruptly at the end of the said putlog, said edges converging toward the free end of said extension thereby forming a beak having angular relation to the main body of said extension, whereby an anchor is provided, adapted to coact with binding material to retain said putlog in position against outward longitudinal movement, the end of said putlog adjacent said extension being so arranged with respect to the said extension as to fulcrum on the face of a wall when said putlog and extension are to be rocked to disengage said extension from a crevice.

1,516,972. AUTOMATIC PISTOL. PHILLIP R. KRAMER, Bay City, Mich. Filed May 19, 1923. Serial No. 640,092. 15 Claims. (Cl. 42-3.)

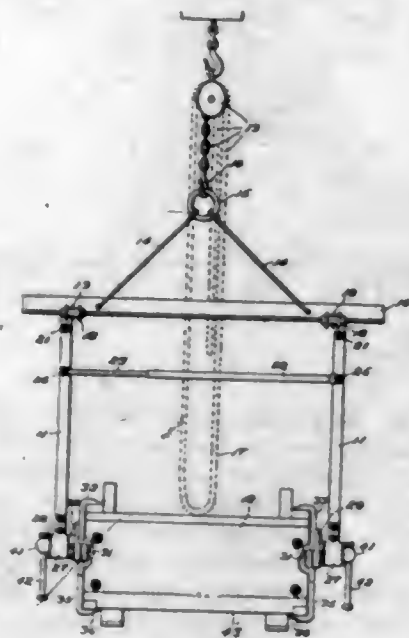


1. An automatic pistol comprising a frame, a shell magazine formed integral therewith, a recoil actuated breech block, a recoil tension rod connected thereto, and a spring tensioned feed wing loosely mounted on said rod and adapted to force the shells into firing position.

5. An automatic pistol comprising a frame having a longitudinal bore, a shell magazine formed integral therewith, a barrel threaded into said frame and in alignment with said bore, a sleeve in the frame, and a recoil actuated breech block for feeding the shells to the firing chamber, and means on the sleeve adapted to engage the end of the discharged shell for ejecting it from the pistol.

10. An automatic pistol comprising a frame, a hand stock detachably secured thereto, a sleeve, and a recoil actuated breech block slidably mounted therein, a firing pin in the breech block, a trigger, a trip lever pivotally secured thereto and a trip timing lever pivoted to the said frame and formed with a forked end adapted to engage the said trip when actuated by the breech block during the recoil movement.

1,516,973. DEVICE FOR HANDLING FOUNDRY FLASKS. GEORGE F. LOUGHRAN, Boston, Mass., assignor of one-half to Frederick C. Langenberger, Cambridge, Mass. Filed Nov. 1, 1922. Serial No. 598,306. 10 Claims. (Cl. 294-106.)



1. A device of the character described comprising a bar, means for raising and lowering said bar, a pair of arms pivoted to said bar and adjustable longitudinally thereof, and means carried by said arms respectively for grasping a foundry flask and permitting the same to be turned.

1,516,974. ELECTRIC BATTERY. WILLIAM R. LOVEMAN, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 31, 1920. Serial No. 400,379. 6 Claims. (Cl. 136-38.)

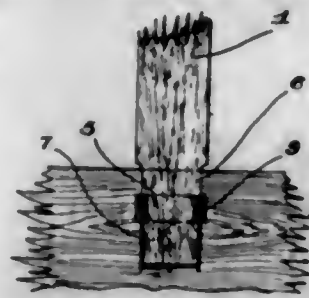


4. The method of making a dry cell electrode which consists in tamping about a carbon rod a mixture of manganese dioxide and graphite moistened with an exciting fluid, and placing the moist electrode in an atmosphere of fine starch particles.

1,516,975. JOINT FOR FURNITURE AND THE LIKE. CHARLES D. MCARTHUR, Pittsburgh, Pa. Filed Nov. 3, 1923. Serial No. 672,497. 2 Claims. (Cl. 20-92.)

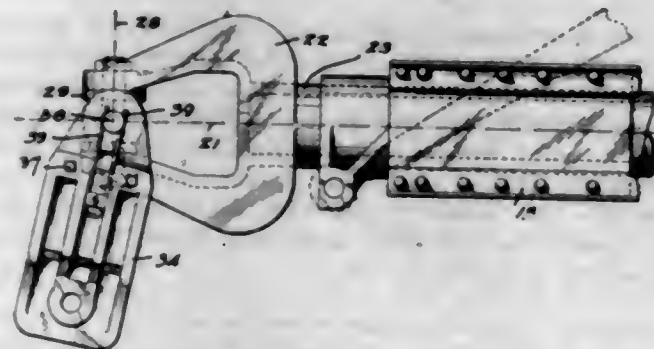
1. In combination in a joint, a wood member provided with a socket having a circumferential groove in its wall intermediate its ends, a tenon member of wood in the socket provided with a circumferential groove intermediate its ends in opposition to the groove in the socket

member, and having the portion thereof on the outer side of the groove of less diameter than the portion on the inner side of the groove and fitting the socket



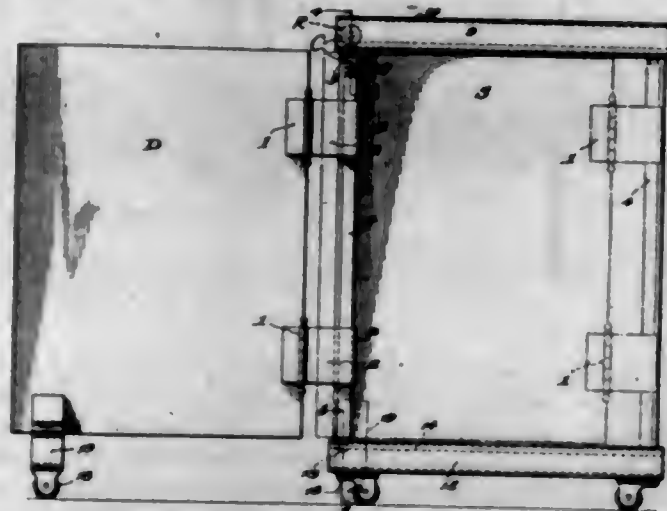
loosely, and a body of glue between the walls of the socket and those of the tenon member and filling the said grooves to provide a locking ring.

1,516,976. JIB CRANE. CHARLES M. MARDEL, Oakland, Calif., assignor of one-half to San Francisco-Sacramento Railroad Company, San Francisco, Calif., a Corporation of California. Filed Nov. 28, 1921. Serial No. 518,227. 12 Claims. (Cl. 212-44.)



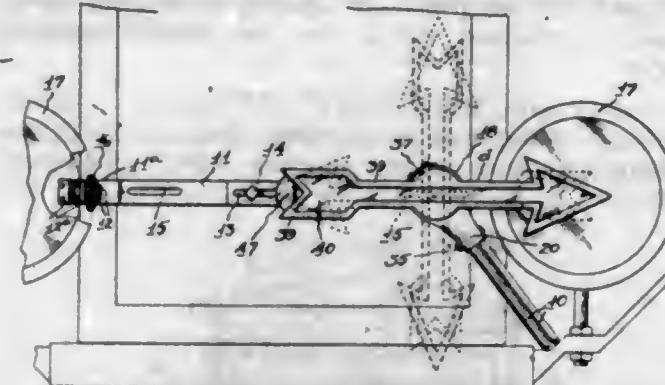
1. A crane comprising a jib, a yoke on said jib, a pivot block pivoted on said yoke, clamp bars adapted for attachment to the body to be handled pivoted on said pivot block, and means for extending and retracting said yoke on said jib.

1,516,977. DOOR MOUNTING FOR SAFES AND THE LIKE. RALPH J. MOULTON, Weymouth Heights, Mass., assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Feb. 21, 1922. Serial No. 538,272. 7 Claims. (Cl. 109-1.)



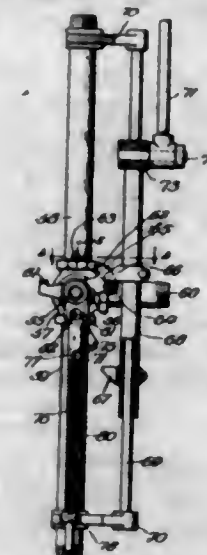
1. A disappearing safe door mounting including a carriage arranged on the side wall of the safe and including an upper suspending track and a lower guide track, a vertical carrier bar having a roller hanger at its upper end adapted to ride in the said hanger track and having its lower end guided in the lower track, hinges for connecting the door with the carrier bar, and a caster carried by the swinging end of the door.

1,516,978. SIGNALING DEVICE FOR VEHICLES. NELS H. NELSON, Willmar, Minn. Filed Mar. 23, 1922. Serial No. 546,140. 9 Claims. (Cl. 116-45.)



1. In a device of the class described, a signal including a mounting and an indicator arm pivoted thereon, means for swinging said indicator arm, said mounting being adjustable angularly to suit various conditions and a stop to arrest the movement of said arm with respect to said mounting, said stop being adjustable to accord for the various angular relations of said mounting.

1,516,979. VALVE-OPERATING MECHANISM. OLOF G. NILSON and RUDOLPH W. GLASSNER, Chicago, Ill., assignors to Marquette Tool & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 14, 1923. Serial No. 638,774. 9 Claims. (Cl. 137-146.)



1. A rotatable valve, an operating member connected therewith, a pivotally mounted element, a link pivotally connected with the said element, a guide for the link, spaced tappets, means for reciprocating the tappets, projections carried by the said member and adapted to be successively positioned in the path of movement of the said tappets to be engaged thereby for moving the first recited element about its pivot, and means rendered active at a predetermined point in the movement of the first recited element for imparting a rapid movement to the said operating member and valve.

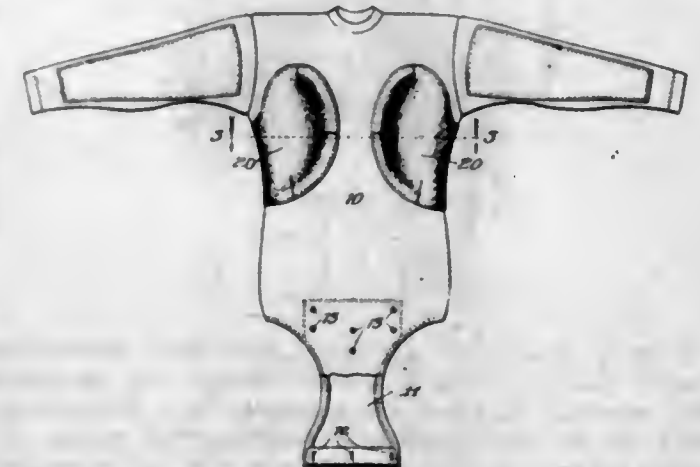
1,516,980. BUCKLE. ALBERT OPPENHEIM, New York, N. Y., assignor to The Connecticut Web & Buckle Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 8, 1924. Serial No. 724,772. 13 Claims. (Cl. 24-184.)



1. In a buckle, a frame, a clamping lever pivoted to the frame, the frame being provided with a free edge having a stepped portion, and the lever being provided

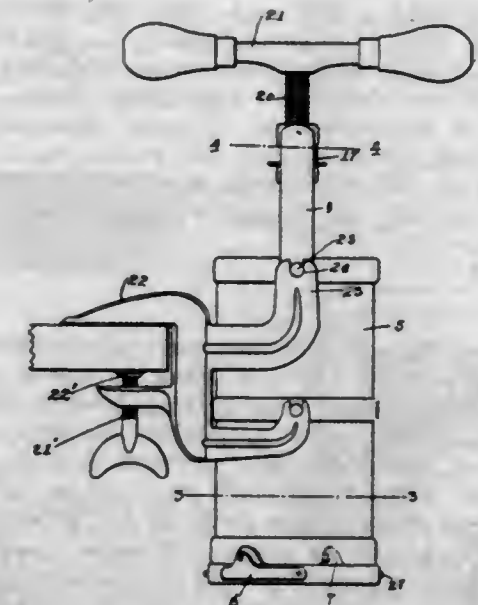
with a tongue having a free edge passing beyond that of the frame when the buckle is closed and arranged to form a tapered passage for the web between the end of the tongue and the riser edge of the step of the frame.

1,516,981. GARMENT. DENNIS C. O'SHEA, Chicago, Ill. Original application filed July 16, 1921, Serial No. 485,270. Patent No. 1,489,784, dated Apr. 8, 1924. Divided and this application filed Aug. 11, 1922. Serial No. 581,169. 4 Claims. (Cl. 2-267.)



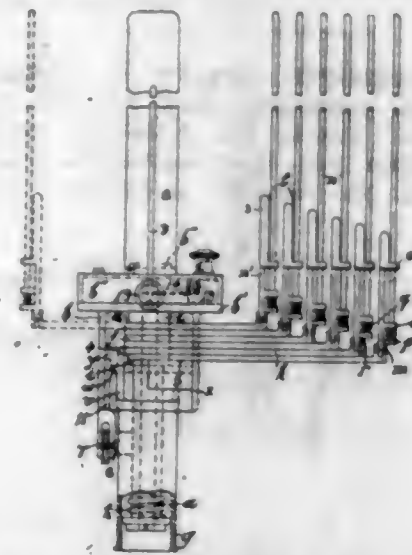
3. A shirt having a patch on its outer surface, the patch comprising an off-set portion disposed under an arm of the shirt, the main portion of the patch extending forward from said off-set portion to a height above said off-set portion and having the marginal edge thereof notched to facilitate inward bulging to adapt it to the shape of a ball or the like held against the patch.

1,516,982. PRESS. GEORGE W. FELTON, Muscatine, Iowa. Filed Sept. 2, 1919. Serial No. 321,083. 1 Claim. (Cl. 100-44.)



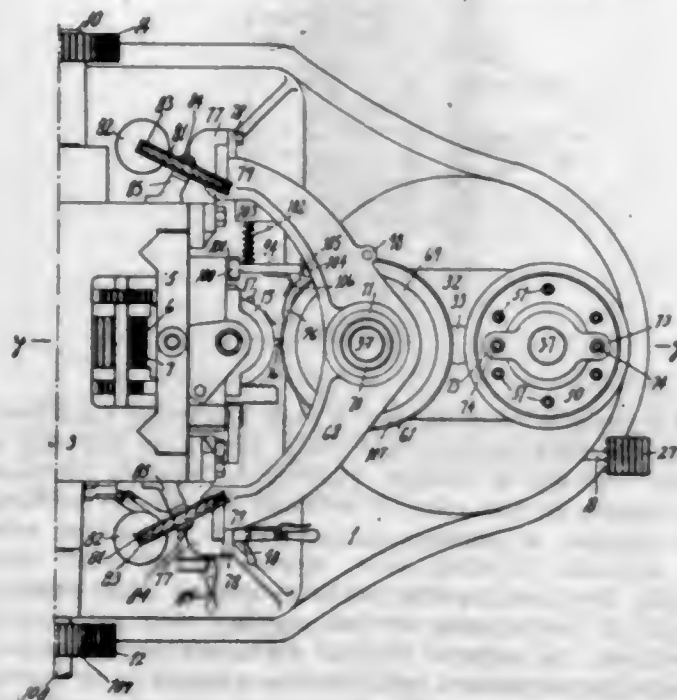
In a press, a body portion, a yoke removably supported above the body portion, said yoke having an opening, a screw carrying a plunger adapted to operate through the opening in the yoke, a sectional nut in the opening and adapted to embrace a portion of the screw, said nut sections including bars, means for pivotally connecting the bars to the yoke, a locking plate section having an eccentrically formed opening, said nut having extensions, the opening of said plate adapted to accommodate the extensions, said sections adapted to be moved by the engagement of the extensions with the walls of the opening of the locking plate to cause the sections to grip the screw, and handles forming a part of the plate.

1,516,983. DEVICE FOR TURNING OVER THE LEAVES OF MUSIC. ELIJAH PERKINS, Manchester, England. Filed Jan. 5, 1920. Serial No. 349,533. 2 Claims. (Cl. 84-513.)



1. In a music leaf turner, a stationary supporting bracket provided with a vertical spindle, an operating tube mounted to move longitudinally and circumferentially on the said spindle, a single helical spring arranged between the said spindle and tube and operating to move the tube in one direction both longitudinally and circumferentially, a series of arms for engaging the sheets of music pivoted on the upper part of the spindle between the said tube and bracket, the upper arms of the series being each provided with a projection, a vertically slidable ring guided by the said bracket and provided with a retaining catch projecting over the projections on the said arms, and a turning projection on the upper end of the said tube engaging with the said arms one after another as their projections are moved out of engagement with the said retaining catch.

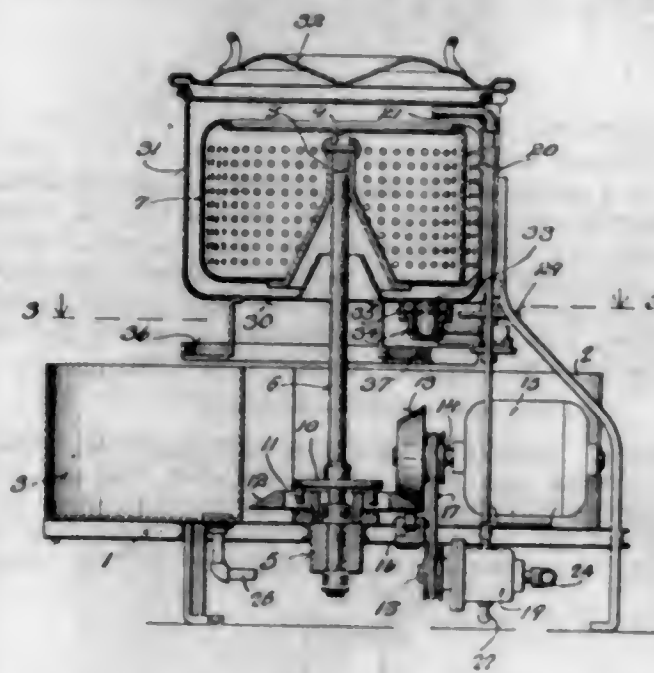
1,516,984. INDEX. JULIAN L. PERKINS, West Springfield, and JOHN OAKLEY, ROBERT A. WILSON, and HIRAM D. CROFT, Springfield, Mass., assignors to Perkins Appliance Company, Springfield, Mass., a Corporation of Massachusetts. Original application filed Feb. 13, 1922, Serial No. 536,160, Patent No. 1,486,604. Divided and this application filed July 9, 1923. Serial No. 650,404. 15 Claims. (Cl. 90-56.)



1. The combination, in an index, with a support, a turn-table mounted on and adapted to be rotated above said support, revolvable work holders mounted on said

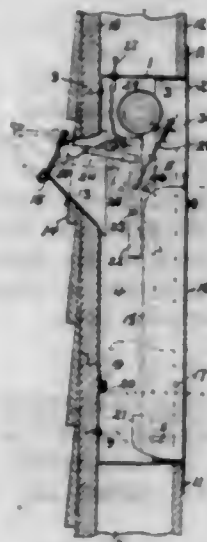
turn-table, and means to lock said turn-table with either of said work holders in operative position, of removable supporting means for the top of the work holder which is in operative position, and indexing mechanism carried by said last-named means, for the holder supported thereby.

1,516,985. WASHING MACHINE. GEORGE B. PILLAR, Milwaukee, Wis. Filed Sept. 18, 1922. Serial No. 588,909. 6 Claims. (Cl. 68-18.)



2. In a device of the character described, a rotatable perforated drum, a trough for receiving liquid which drains from the drum, a plurality of receptacles beneath the trough for containing liquids of different composition, a pump adapted to deliver liquid to said drum, selectively adjustable means for connecting the suction end of said pump to any one of said receptacles, and means adjustable simultaneously with the first mentioned means to direct the liquid from the trough back to the receptacle from which it is being drawn.

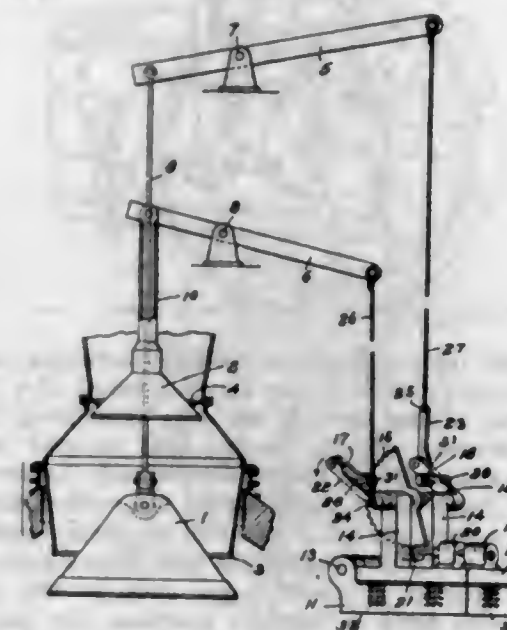
1,516,986. MAIL RECEPTACLE. CHARLES A. RASTETTER, Fort Wayne, Ind. Filed Feb. 2, 1924. Serial No. 690,161. 1 Claim. (Cl. 232-19.)



In a device of the class described, a receptacle composed of two telescoping sections; a door in one of said sections pivoted to swing upon a horizontal axis located below its centre of gravity and tending to remain open or closed by its inertia; a chute having communication with the receptacle through the upper part of the other section, including a hinged cover for same; a pivoted lever having actuated relation with the cover and operable to swing the door open; a stop to limit the opening

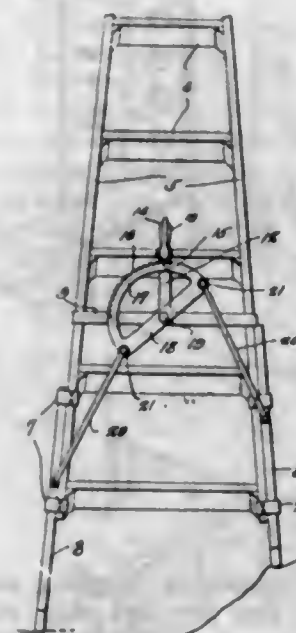
movement of the door when it reaches horizontal position; and annunciating means in connection with and operable by the lever, said door, when open, serving as a shelf for lodgment of the mail matter introduced through the chute.

1,516,987. OPERATING MECHANISM FOR FURNACE-CHARGING APPARATUS. BORIS RAVITCH, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,343. 17 Claims. (Cl. 214-36.)



1. The combination with a pair of charging valves arranged in series, of means for opening and closing the valves independently, comprising a pair of parallel cranks, power means for operating the cranks, and connections between the cranks and valves, such cranks and connections being arranged so that one valve is opened after the other is closed.

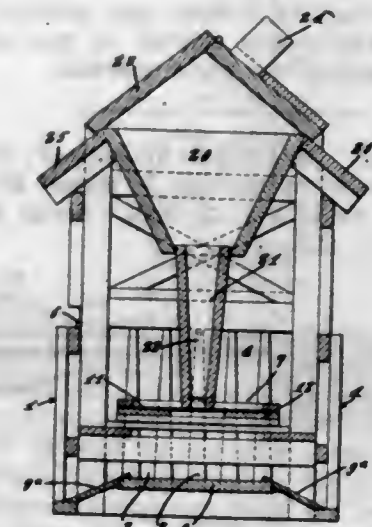
1,516,988. LADDER. AUGUST J. REDMAN, South Bend, Wash. Filed Feb. 4, 1924. Serial No. 690,528. 1 Claim. (Cl. 228-64.)



In a device of the character described, a ladder including leg members, upper and lower guides secured to the leg members, auxiliary leg members adapted to move in the guides, a supporting bar mounted on the first mentioned leg members and having an upwardly extended arm, a latch member pivotally mounted on the upwardly extended arm, a pivoted rack member mounted on the supporting bar, connecting rods for connecting the auxiliary leg members to the rack member, said rack

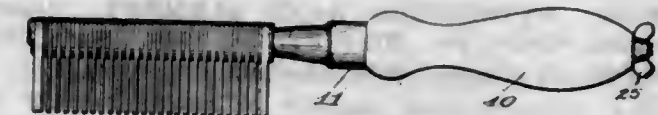
member adapted to be engaged by the latch member to hold the rack member in various positions of adjustment, and said auxiliary leg members adapted to move the rack member and vary the length of the leg members of the ladder.

1,516,989. SELF-FEEDING POULTRY HOPPER. EVERETT SCOTT, Madison, Ark. Filed Oct. 17, 1923. Serial No. 669,118. 2 Claims. (Cl. 119-59.)



2. In an automatic poultry feeder, a supporting structure equipped with slatted end and side members, the slats tapering toward their upper ends to provide spaces between them decreasing in width toward the lower ends thereof, upper and lower feeding compartments with a screen arranged between them, the lower compartment having a tray with downwardly inclined platforms leading therefrom and projecting at their upper edges over said tray to form guards for retaining feed therein.

1,516,990. COMB. BENJAMIN SILVERMAN, Chattanooga, Tenn., assignor of one-half to J. Russel Earp, Chattanooga, Tenn. Filed Nov. 7, 1923. Serial No. 673,256. 1 Claim. (Cl. 132-16.)

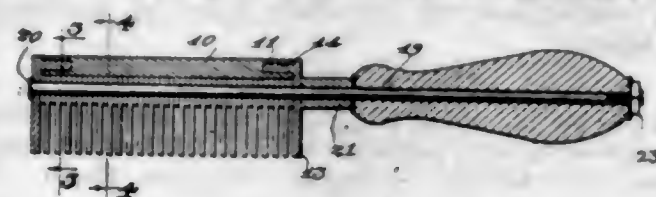


In a comb of the class described, a tooth portion comprising a series of teeth, a series of spacers arranged alternately with said teeth, said teeth and spacers having registering non-circular openings therein, a bar passing through said openings and conforming in cross section to the openings to fit closely therein and prevent relative rotation of the teeth and spacers, said bar having a head on one end, a second bar passing through the teeth and spacers and having a head on one end and overlapping the head on the first bar to retain it in position, a handle removably mounted on the remaining end of the second bar and having a ferrule engaging one end of the tooth portion, said second bar projecting through the handle and having its projecting end threaded, and a thumb nut mounted on said threaded end to draw the parts together.

1,516,991. COMB. BENJAMIN SILVERMAN, Chattanooga, Tenn., assignor of one-half to J. Russel Earp, Chattanooga, Tenn. Filed Nov. 7, 1923. Serial No. 673,257. 2 Claims. (Cl. 132-16.)

1. In a comb of the class described, a back, end teeth having pin and socket interlocking engagement with the

ends of the back, alternate intermediate and separate teeth and spacers between said end teeth, a headed pin passing through the end and intermediate teeth and



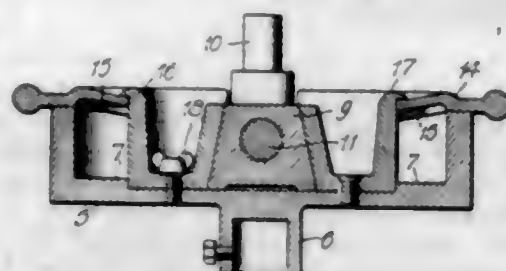
spacers and having its beaded end resting on one of the end teeth, and means carried by the other end of the pin for clamping the parts together.

1,516,992. COMB. BENJAMIN SILVERMAN, Chattanooga, Tenn., assignor of one-half to J. Russel Earp, Chattanooga, Tenn. Filed Nov. 7, 1923. Serial No. 673,258. 2 Claims. (Cl. 132-16.)



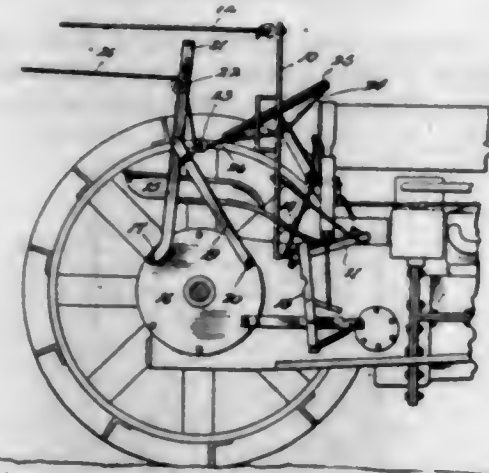
1. In a comb of the class described, a back consisting of a tubular member cut away on one side for a portion of its length to provide a segmental-circular channel, a series of teeth having segmental-circular butt portions fitting in said channel and provided with lateral shoulders bearing on the side edges of the channel, a series of spacers alternated with said teeth and each having a segmental-circular body fitting in said channel and shoulders engaging the side edges of the channel, and means to force the teeth and spacers together.

1,516,993. EXTENSIBLE-CRANK ELEMENT. SIMON SNYDER, Muncy, Pa. Filed Feb. 18, 1924. Serial No. 693,664. 7 Claims. (Cl. 74-38.)



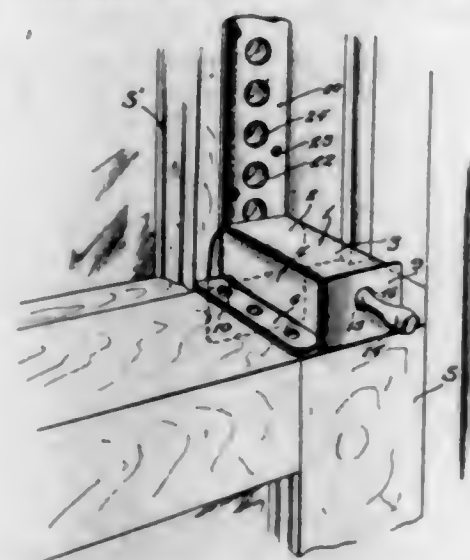
1. An extensible crank element comprising an annular recessed and counter-recessed plate providing an intermediate annular raised surface in its base and having a radially disposed groove therein and a hub for mounting on the end of a shaft, a crank-carrying slidable block disposed within said groove diametrically of said plate and a second recessed plate having a continuous rack portion opposed to said first named plate, a revoluble shaft having threaded engagement with said block, adapted when revolved to move the latter in alternate directions and a pinion carried on said shaft in engagement with said rack portion and rotated thereby to impart revolution to the shaft and cause movement of the block diametrically of the plates when the latter are rotated in relatively opposite directions, together with opposed segmental plates adapted to hold the second named plate in fixed position with respect to the first.

1,516,994. DISTANT STEERING CONTROL. EARL L. THOMSON, Dunkirk, Ohio. Original application filed Sept. 9, 1922. Serial No. 587,145. Divided and this application filed Mar. 23, 1923. Serial No. 627,139. 1 Claim. (Cl. 180-77.)



A distant tractor steering control including a guide member for attachment to the steering wheel of a tractor, spaced arms having their lower ends straddling the differential housing of the tractor and secured to said housing, a cross rod extending transversely between said arms near their upper ends rigidly connecting the arms with each other, braces connected at their upper ends to the arms to incline forwardly and downwardly therefrom and secured at their lower ends to the housing sustaining the arms in upright position, the upper end portions of the arms being bent outwardly and laterally to form overhanging terminals, a pair of pulleys carried by said terminals, a second pair of pulleys mounted upon the upper end portions of said braces, and a flexible element trained around said pairs of pulleys and having its intermediate portion engaged in said guide member whereby said element may be operated for turning the steering wheel.

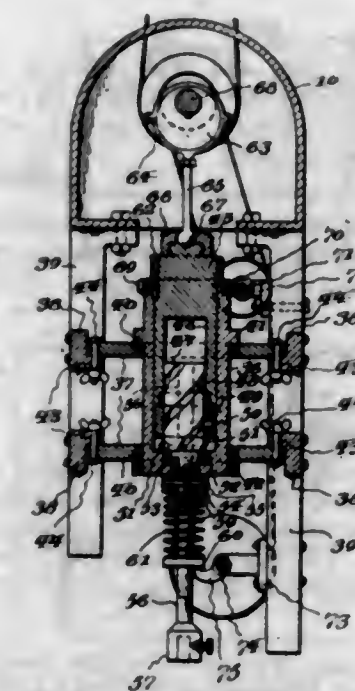
1,516,995. SASH LOCK. ANTONIO F. TRIGUEIRO, Orcutt, Calif. Filed May 16, 1923. Serial No. 639,398. 2 Claims. (Cl. 292-175.)



1. A sash lock comprising a casing having end walls oppositely located and provided each with an opening, a locking bolt disposed within the casing and having a locking end engaging through the opening in one end wall of the casing and a finger piece engaging through the opening in the other end wall of the casing, an abutment element upon the locking bolt within the casing, and a compression spring surrounding the locking bolt and seating at one end against the abutment element and at its other end against the last mentioned wall of the casing, the said casing comprising cover and bottom sections, the first mentioned end wall of the casing constituting a part of one of said sections, and the other

end wall of the casing constituting a part of the other section of the casing, the said sections being longitudinally displaceable and separable and provided with overlapping portions having openings for the passage of securing elements.

1,516,996. VALVE-GRINDING APPARATUS. HERBERT F. VINZENS, Chicago, Ill. Filed Sept. 8, 1922. Serial No. 586,976. 11 Claims. (Cl. 51-29.)



1. A valve grinding machine comprising a supporting member having means whereby the same may be adjusted about a horizontal axis and provided with an axial extension having teeth, a tool carrying member having a pair of side members adjustably connected to said axial extension, and a gear meshing with the teeth on said extension, said gear and said teeth forming a means whereby to adjust the tool carrying member about a horizontal axis at right angles to the axis of said supporting member.

2. A valve grinding machine comprising a supporting member having means whereby the same may be adjusted about a horizontal axis and provided with an axial extension, a tool carrying member having a pair of side members adjustably connected to opposite sides of said axial extension, and means associated with said tool carrying member and said axial extension for adjusting said tool carrying member about a horizontal axis at right angles to the axis of said supporting member.

1,516,997. SHARPENER. JOHN ROBERT WATTS, Sheffield, England. Filed Apr. 14, 1923. Serial No. 632,001. 4 Claims. (Cl. 76-87.)



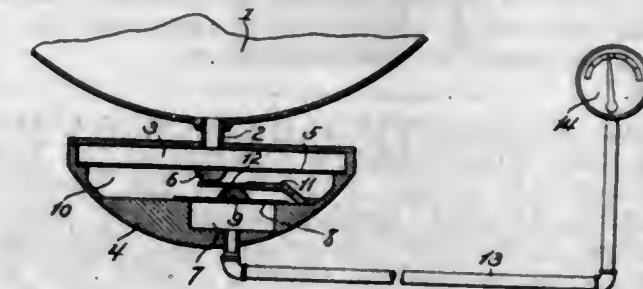
1. In a sharpener, a relatively flat housing, a pair of cutting disks mounted in said housing and completely inclosed thereby, said housing being provided with kerfs to permit access of a knife edge to said cutting disks, and lateral extensions from said housing forming finger holds for said sharpener, the extensions lying between the planes of the housing sides.

1,516,998. TURNING GEAR. THOMAS W. CURRY, and JOHN F. GODFREY, Pictou, Nova Scotia, Canada, assignors of one-fifth to Frank Adamson, one-fifth to Donald F. Morrison, and one-fifth to D. Herdman Cameron, all of Pictou, Nova Scotia, Canada. Filed June 26, 1923. Serial No. 647,902. 3 Claims. (Cl. 74-54.)



1. A turning gear comprising in combination with a shaft a pair of oppositely cut ratchets carried thereby, a power lever pivoted on an axis substantially parallel with the shaft, pawls pivoted to the lever and adapted for independent engagement with the ratchets, an actuating lever pivoted to the power lever, arms extending from said actuating lever in opposite directions and engaging said pawls.

1,516,999. LIQUID-LEVEL INDICATOR. JAMES HOWARD EVANS, Lexington, Ky. Filed Aug. 11, 1923. Serial No. 656,953. 1 Claim. (Cl. 73-54.)

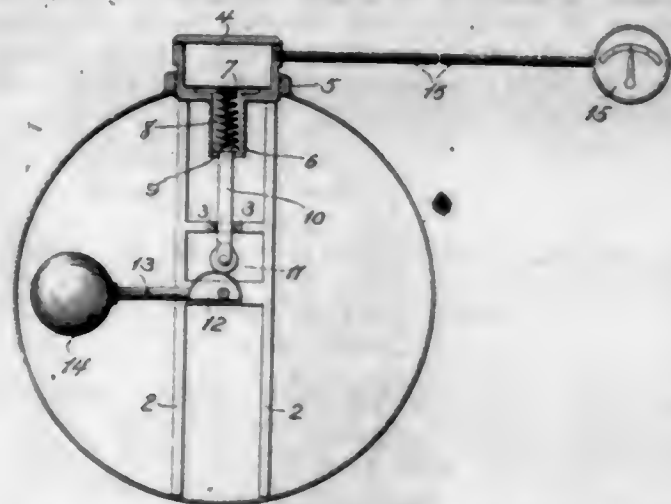


A liquid level indicator comprising in combination with a tank, a casing in constant communication with the tank, upper and lower flexible diaphragms secured in spaced relation across the casing, the upper diaphragm sustaining pressure from the liquid in the tank and the two diaphragms with the walls of the casing defining a closed chamber between the diaphragms, a gage, a closed pressure circuit connecting the gage and the space below the lower diaphragm, a bracket in the closed chamber between the diaphragms, projections on the opposed faces of the diaphragms, and a lever pivoted at one end upon the bracket and extending therefrom between and in contact with the projections on the diaphragms, said projections being out of alignment.

1,517,000. LIQUID-LEVEL INDICATOR. JAMES HOWARD EVANS, Lexington, Ky. Filed Aug. 11, 1923. Serial No. 656,954. 1 Claim. (Cl. 73-54.)

In a tank indicator, the combination of a tank, a frame therein, a container at the top of the tank, a sleeve depending from the container, a diaphragm extending across the bottom of the container and over the upper end of the sleeve, an indicator, a fluid pressure connection between the indicator and the container and controlled by said diaphragm, a pressure spring housed axially in the sleeve and bearing at its upper end against the diaphragm, a plunger within the sleeve supporting

the spring, a plunger rod carrying the plunger and extending through the lower end of the sleeve and guided



by the frame in a rectilinear path, a float controlled lever pivoted on the frame below the plunger rod, and an eccentric on the lever supporting the plunger rod.

1,517,001. FISHPLATE AND NUT LOCK. L. F. FULLER, Terry, Miss. Filed July 16, 1923. Serial No. 631,961. 2 Claims. (Cl. 238-243.)



1. The combination with a fish plate, comprising a web, lower flange, and end members, of an expansible locking bar, to be passed through said end members and contact with the lower flange, and adapted to engage the nut of a bolt to be passed through the fish plate.

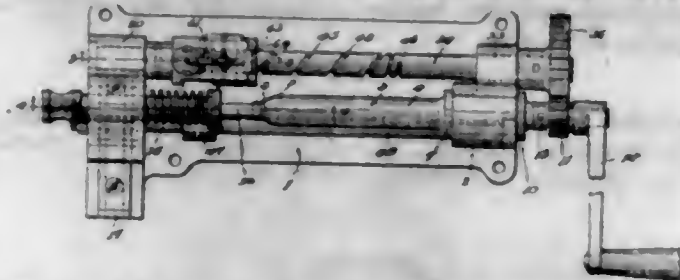
1,517,002. PHARMACEUTICAL COMPOUND CONTAINING THE SODIUM-SILVER COMPOUND OF THIODIGLYCOLIC ACID. HANS HAUHL and HERMANN WEYLAND, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed June 22, 1923. Serial No. 647,171. 1 Claim. (Cl. 260-11.)
The herein described new silver compound of thiodiglycolic acid, said compound containing sodium and being a whitish powder easily soluble in water with a neutral reaction and being a valuable remedy against gonorrhea, substantially as described.

1,517,003. PHARMACEUTICAL COMPOUND CONSISTING OF THE SODIUM-VANADIUM SALT OF TRIGLYCOLLAMIC ACID. HANS HAUHL and WALTER KROPP, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Feb. 14, 1924. Serial No. 692,881. 1 Claim. (Cl. 260-11.)
The herein described new complex sodium-vanadium salt of triglycollamic acid, being a brownish amorphous compound soluble in water with a yellow coloration soon turning green, which solution is colored blue by the addition of a mineral acid, and being a valuable remedy against syphilis, substantially as described.

1,517,004. SPRING-WINDING MACHINE. GEORGE M. HANLY, Tiffin, Ohio, assignor of one-third to John V. Hershberger, Toledo, Ohio. Filed May 31, 1923. Serial No. 642,683. 6 Claims. (Cl. 153-67.)

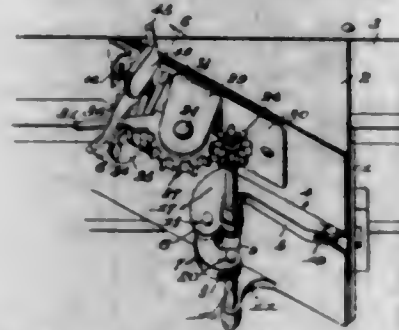
1. In spring winding mechanism, a rotary mandrel, means for rotating the same, a rotary shaft having a thread different portions of which are of different pitch, a follower having means coacting with the thread of the

shaft to effect movement of the follower longitudinally with relation to the mandrel, means for imparting rotary motion to the shaft, and wire guiding means movable



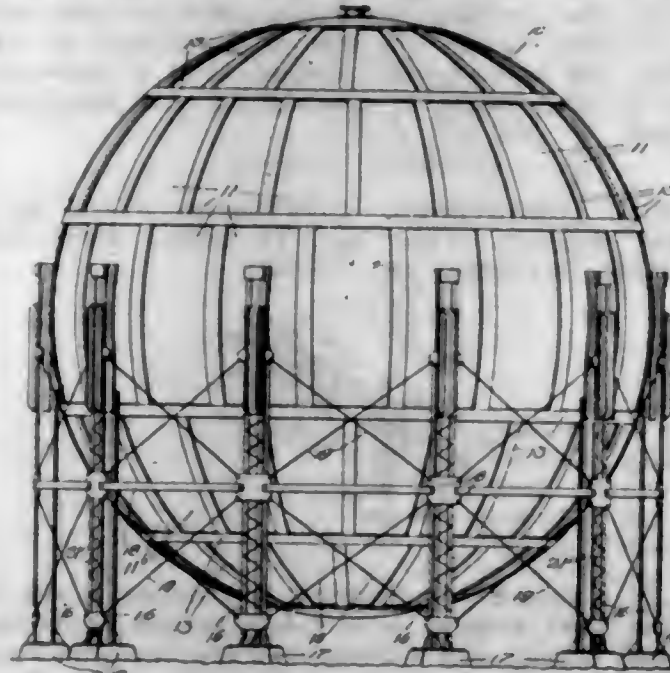
with the follower, the said wire guiding means being likewise freely movable in a direction transverse to the axis of the mandrel whereby to permit the wire to follow the contour of the mandrel.

1,517,005. LOCK FOR HOPPER-CAR DOORS. COLMAN DORSEY HOBBS, Middlesboro, Ky. Filed Jan. 9, 1924. Serial No. 685,234. 5 Claims. (Cl. 105-308.)



1. In combination with a discharge hopper having a door, a goose-neck pivoted to the door and including a curved portion, a shaft having an arm, a link pivoted respectively to the arm and to the curved end of the goose-neck thereby making a connection, means to turn the shaft in either of two directions so that the arm and link either elevate or lower the curved end pivot behind the shaft and thereby either release or lock the door, a handle included in said turning means, a throw lever by which the handle is actuated, and a locking detent to engage and hold the handle after it has been moved into one position by the throw lever to lock the door in the closed position.

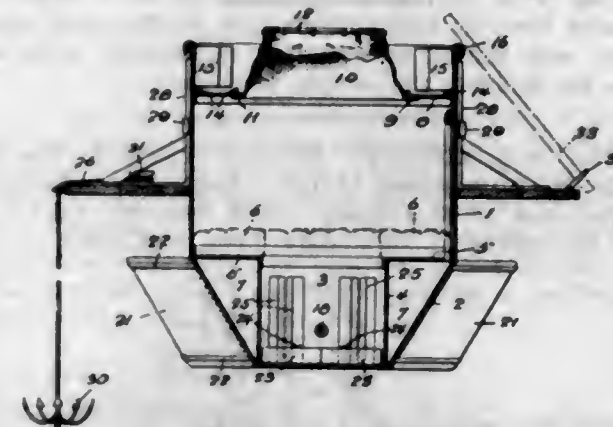
1,517,006. TANK. GEORGE T. HORTON, Chicago, Ill., assignor to Chicago Bridge & Iron Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 15, 1923. Serial No. 680,909. 7 Claims. (Cl. 220-5.)



1. A storage tank comprising a spherical shell substantially supported by vertical posts attached at their upper ends to the shell, the points of attachment lying in or

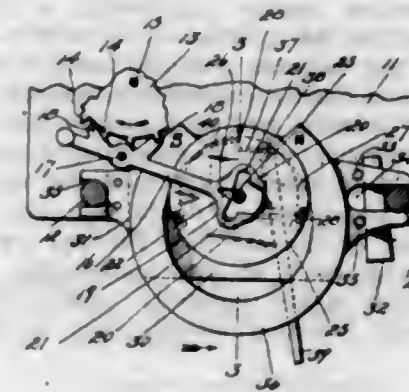
close to a horizontal plane passing through the center of the shell, and each of the posts being cut away so that the points of attachment between a post and the shell lie substantially over the center of the post.

1,517,007. FLOAT FOR SPORT, PLEASURE, AND RESCUE USE. CHARLES HUNT, Washington, D. C. Filed Jan. 22, 1924. Serial No. 687,772. 14 Claims. (Cl. 9-11.)



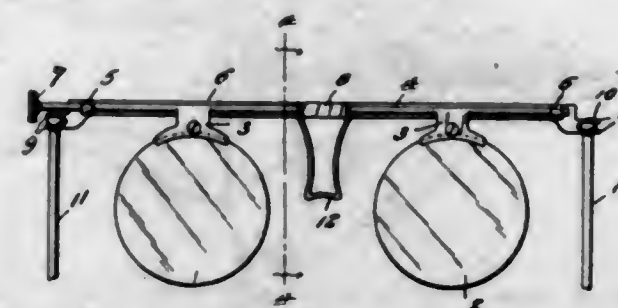
1. A float comprising a body portion, a stabilizer for the body portion, means for retarding rotation of the body portion when floating, means for lowering the body portion in the water and means for raising the body portion in the water, without affecting the stabilizer.

1,517,008. BALANCE MECHANISM. ANSEL B. JONES, New Haven, Conn. Filed Dec. 9, 1921. Serial No. 521,103. 12 Claims. (Cl. 58-116.)



1. In a mechanism of the character described, a balance wheel comprising in part a magnet connected therewith, a second magnet adjacent to the first magnet; and positive means for partially operating said balance wheel.

1,517,009. EYEGLASSES. ELLIOTT D. KNIFFEN, Brooklyn, N. Y. Filed Oct. 9, 1922. Serial No. 593,384. 1 Claim. (Cl. 88-41.)

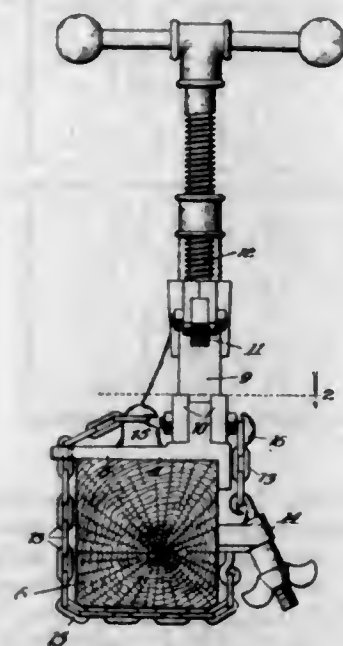


An article of the class described comprising a flexible bridge strip, a pair of temples pivotally connected to opposite ends of said bridge strip, a rod rotatably mounted in bearings on the end portions of said bridge strip and having an enlarged central portion of rectangular sec-

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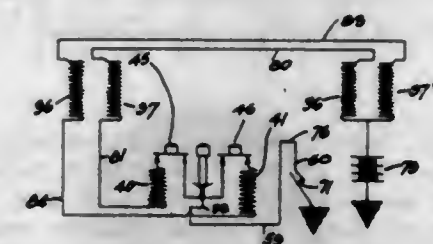
tion, the faces of which are adapted to engage the central portion of the bridge strip, a nose engaging support depending from the central portion of said bridge strip, for supporting said strip in proximity to the eye brows of a wearer, and a pair of lenses mounted in spaced relation on said rod adapted for movement therewith, whereby the bearing connections of the rod at the ends of the bridge strip will cause a cooperation between the rectangular section and said strip, in the central portion thereof, in order that the resiliency of the strip will operate to effect a holding of the lenses in one of a plurality of adjusted positions.

1,517,010. VISE. OTTAR S. LEE, Chicago, Ill., assignor to Nye Tool & Machine Works, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1924. Serial No. 690,470. 6 Claims. (Cl. 81-41.)



1. A vise for attachment to a post comprising a metal body member having a plate-like portion at which said body member bears flatwise against the post and an arm integrally formed therewith and extending outwardly therefrom at an angle to said plate-like portion between the lateral edges of the latter, and a lug on said body member having a portion for attachment thereto of an element for securing said body member to the post, said lug being located in the corner presented by said plate-portion and said arm and being formed integrally at one portion with the metal of said plate and at another portion integrally with the metal of said arm.

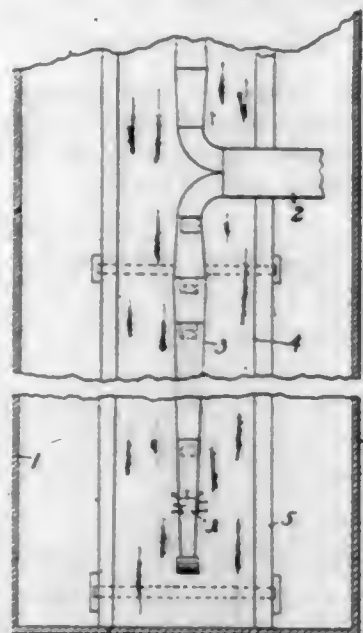
1,517,011. DIRECTION-INDICATOR SWITCH. RUSSELL E. LUNDAY, Butte, Mont. Filed Aug. 18, 1919. Serial No. 318,266. 2 Claims. (Cl. 175-375.)



1. In a switch structure the combination of a pair of electromagnets including coils, cores slidable through said coils, a pair of contacts for each electromagnet having one contact connected to its respective coil, and the other contact insulated from its coil, a switch blade for each pair of contacts adapted to be used for bridging said contacts, means normally retaining the switch blades open with respect to their contacts, and a control switch in normally closed relation including a pair of

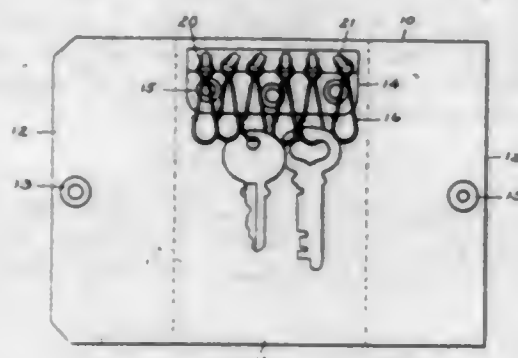
contacts, one of which control switch contacts is connected to the coil insulated contact of one of the electromagnets and the other contact of which control switch is connected to the coil insulated contact of the other electromagnet.

1,517,012. DRYING APPARATUS FOR TENTER FRAMES AND THE LIKE. CARLE J. MERRILL, Portland, Me. Filed June 26, 1922. Serial No. 571,122. 2 Claims. (Cl. 34-48.)



1. A drying system for tenter frames consisting of a series of air nozzles arranged centrally above the drying fabric and at unequal distances above said fabric, each of said nozzles being formed to discharge air longitudinally, laterally and downwardly toward the opposing edges of the fabric and a longitudinal supply pipe for supplying air to said nozzles.

1,517,013. KEY CASE. GEORGE E. PRENTICE, Berlin, Conn. Filed May 16, 1923. Serial No. 630,225. 2 Claims. (Cl. 150-40.)



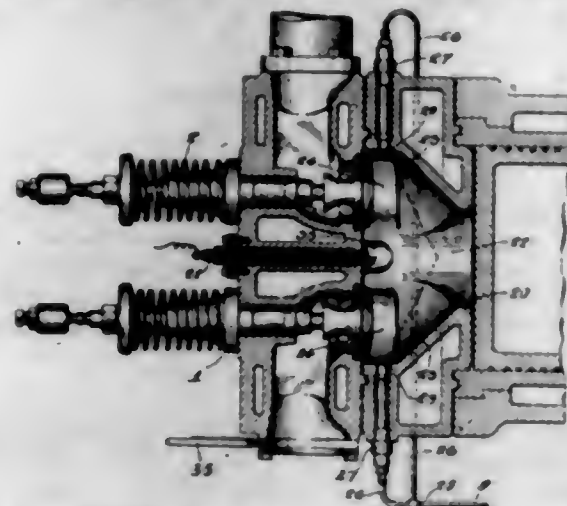
1. In a key case comprising an enclosing case of leather or the like having a back wall, a supporting plate of sheet metal secured to said back wall, a portion of said plate serving as a raised platform relatively to said back wall, positioned in spaced relation thereto, and provided with rearwardly directed spacing flanges along the top and bottom edges, said platform having a set of perforations, the places operatively housed in said perforations and comprising an eye in front of said platform, a laterally directed overhanging portion housed within the space between said platform and the opposed portion of said back, and a reduced neck-like structure that is in registration with said perforation, and key-supporting clips mounted individually in said eyes.

1,517,014. BUCKLE FOR BELTS. GEORGE E. PRENTICE, Berlin, Conn. Filed Nov. 26, 1923. Serial No. 676,920. 4 Claims. (Cl. 24-191.)



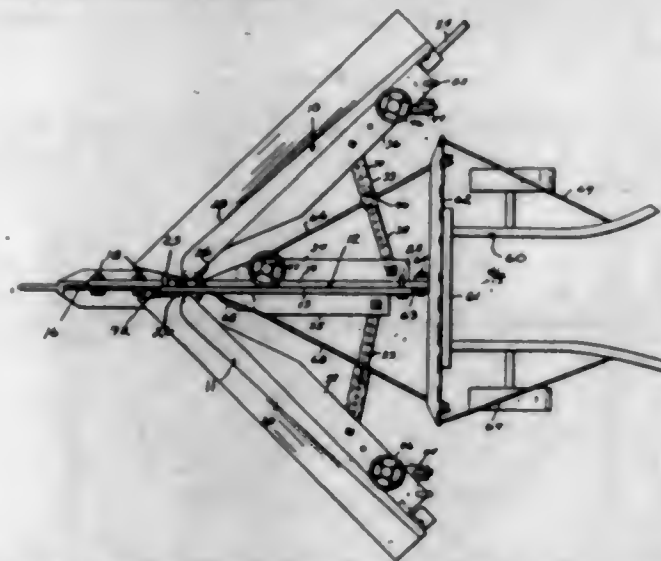
2. In a buckle for belts, a frame or body of channel form, a sliding member with spaced transverse ribs cooperating with said body, a clamping lever supported from said body by laterally directed pintles, and spaced lugs on said sliding member for cooperating with said pintles for limiting the sliding movement.

1,517,015. OIL ENGINE. WILLIAM T. PRICE, New Rochelle, N. Y., assignor to Price Engine Corporation, a Corporation of New York. Filed Dec. 10, 1917. Serial No. 206,425. 33 Claims. (Cl. 123-32.)



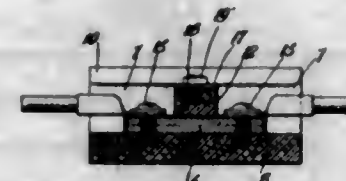
1. A combustion engine comprising a compression space connected to the cylinder by a restricted opening and devoid of any internal uncooled surface for vaporizing the fuel or normally controlling ignition, inlet and exhaust valves opening into said compression space and solid liquid injection means, including a plurality of impinging injection nozzles, arranged for spraying the greater part of the charge of liquid fuel into said space, directed counter to the air flow through said opening, during the latter part of the compression stroke, in combination with means normally terminating the action of the said injection means prior to compression dead center.

1,517,016. SNOWPLOW. HENRY RELIEN, Greenville, Wis. Filed Feb. 23, 1924. Serial No. 694,517. 28 Claims. (Cl. 37-46.)



1. In a device of the character described, the combination with a central structural device comprising a pair of members hingedly related adjacent their upper margins, of plow blades connected with each of said members.

1,517,017. TERMINAL BLOCK. RAYMOND T. ROTH, New York, N. Y. Filed Sept. 28, 1923. Serial No. 665,313. 3 Claims. (Cl. 175-29S.)



1. A terminal block comprising a solid body of molded insulation having end supporting means, a longitudinal ridge member having means for carrying a marking strip, a series of transverse partitions, and a series of terminal strips embedded in said insulation between said partitions and beneath said ridge member, said terminal strips having exposed ends in the inner portions of the recesses between said partitions.

1,517,018. PAPER-MAKING MACHINE. CHARLES R. SEABORNE, Niagara Falls, N. Y., assignor, by mesne assignments, to American Lakes Paper Company, Waukegan, Ill., a Corporation of Delaware. Filed Nov. 24, 1923. Serial No. 676,705. 14 Claims. (Cl. 92-48.)



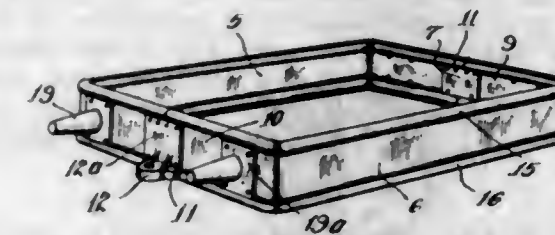
6. In a paper-making machine, the combination with a suitable cylinder or roll, of a marking roll comprising a body having thereon a layer of hard rubber, a second layer of soft rubber and a third or outer layer of hard rubber, said several layers being vulcanized together and the outer layer being provided with a marking surface.

1,517,019. DRAFT DEVICE. ADAM ALT SERL, Sumas, Wash. Filed Apr. 28, 1924. Serial No. 709,601. 3 Claims. (Cl. 294-33.)



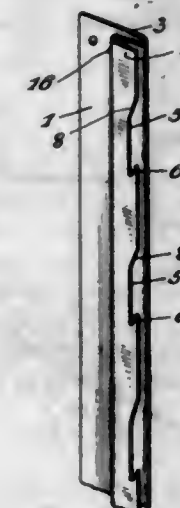
1. A draft device comprising a draft hook having a hook member at one end and a ring or eye at its opposite end, a draft line threaded through said ring or eye and adapted to be passed about the loop and provided at its extremity with an engaging member for engagement with the hook member of the draft hook, and a releasing line attached to the draft hook.

1,517,020. MOLDER'S FLASK. JOHN A. SHANAFELT, Canton, Ohio, assignor to The Shanafelt Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed June 5, 1923. Serial No. 643,485. 5 Claims. (Cl. 22-11.)



1. A molder's flask comprising a pair of U-shaped members having the ends thereof disposed in abutting relation and the top and bottom margins thereof provided with a single corrugation to form an outwardly extending reinforcing rib and inwardly extending flange whereby said retaining grooves are provided around the top and bottom margins of the flask.

1,517,021. WINDOW-SHADE MOUNTING. LOUIS SHARKEY, Brooklyn, N. Y. Filed Apr. 17, 1923. Serial No. 632,594. 5 Claims. (Cl. 156-27.)



5. In a device of the character described, for use in combination with a window shade roller and supporting side bars, a twofold clip doubled over on itself at one end and provided with an aperture extending therethrough, one of the members of said clip having an intumed portion, and an offset lip, the other member being offset from the first named member and arranged in part substantially parallel therewith.

1,517,022. BASEBALL. THOMAS STEVENSON SHIBE, Philadelphia, Pa. Substitute for application Serial No. 651,142, filed July 12, 1923. This application filed July 19, 1924. Serial No. 727,010. 3 Claims. (Cl. 46-4.)



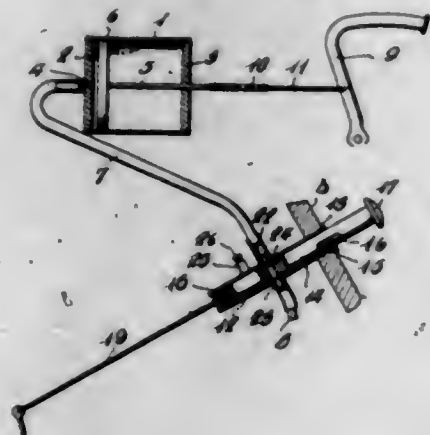
1. A baseball comprising a spherical center of cork and an homogeneous enveloping layer or shell of vulcanized rubber having a plurality of air vents leading from the inner to the outer surface.

1,517,023. METHOD OF PREPARING BASEBALL CENTERS. THOMAS S. SHISE, Philadelphia, Pa. Original application filed July 10, 1924. Serial No. 727,010. Divided and this application filed Sept. 13, 1924. Serial No. 737,509. 2 Claims. (Cl. 154-17.)



1. The hereindescribed method of making a core or center for base balls, which consists in forming a pair of partially cured hemispherical sections of rubber compound, assembling said sections in the form of a sphere with a spherical cork center of filling material therein, and subsequently completing the core and vulcanizing the edges of said shell sections together while venting the space within the shell.

1,517,024. VALVE. SAMUEL J. SIRLEY and LEVI G. BUCKNER, Memphis, Tenn. Filed June 23, 1923. Serial No. 647,402. 3 Claims. (Cl. 277-51.)



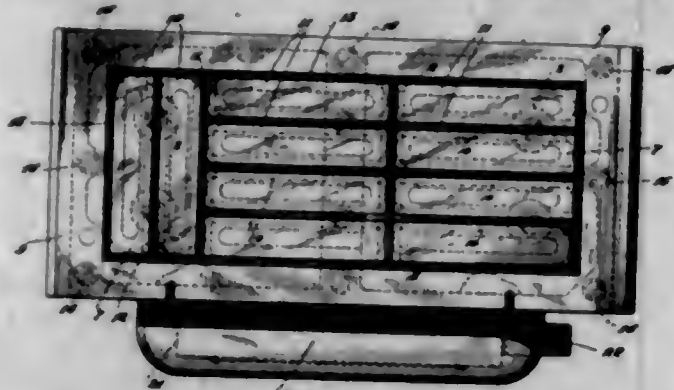
1. Valve means of the character described comprising a casing having oppositely disposed ports arranged in the same, an escapement valve mounted on and communicating with the interior of said casing, and an accelerator actuating device slidably received in said casing having a diametrically extending port therein, one side of which is enlarged and is adapted to establish communication between the oppositely disposed ports, and at other times being adapted to establish communication between one of said oppositely disposed ports and said escapement valve.

1,517,025. MAGNETIC CHUCK. FRANK L. SIMMONS, Woonsocket, R. I., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed June 7, 1919. Serial No. 302,560. 13 Claims. (Cl. 175-367.)

1. In a magnetic chuck or the like, the combination of a housing, electro-magnetic energizing means within said housing, a face plate covering said housing, said face plate comprising a frame and individual pole pieces within said frame, said pole pieces having undercut portions, non-magnetic material separating said pole pieces one from another, and reinforcing means extending through said non-magnetic material.

13. A magnetic chuck and the like comprising electro-magnetic means within said housing, a plurality of up-right pole pieces in operative relation to said magnetic

means, a substantially rectangular face plate covering said housing, said face plate comprising substantially rectangular face plate pole pieces, a frame within which said pole pieces are mounted, certain of said pole pieces



extending transversely of said face plate and others extending longitudinally thereof, and non-magnetic material holding said pole pieces separated from each other and from said frame.

1,517,026. HOUSEHOLD INDICATOR. MIKE SLAWIENSKI, Camden, N. J. Filed Mar. 29, 1923. Serial No. 628,543. 1 Claim. (Cl. 116-133.)

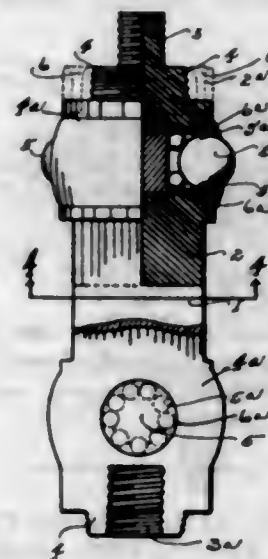


A household indicator comprising in combination, a plurality of indicator dials having indication marks thereon and provided with notches in the edge associated with said indication marks, a shaft passing through each dial, a hand or pointer fixed thereto and having an aperture whereby the indication marks may be viewed there-through, the outer end of said pointer being bent at right angles to project over the edge of the dial and an end being then bent upon itself to form a finger piece projecting beyond the front face of the hand or pointer, a spring carried by that portion of the hand projecting over the edge of the dial and adapted to coact with the different notches on the edge of said dial, means to limit the movements of said hand, a knob fixed to the outer end of the shaft, a wheel fixed to the inner end of said shaft, and means transmitting motion from one of such wheels from one indicating unit to another of such units on another indicating unit.

1,517,027. COUPLING AND ANTI-FRICTION GUIDE FOR SUCKER RODS. CLARENCE W. SMITH, Mexia, Tex., assignor of sixty-five per cent to Casimir P. McKenzie, Mexia, Tex. Filed Sept. 13, 1923. Serial No. 662,529. 4 Claims. (Cl. 74-87.)

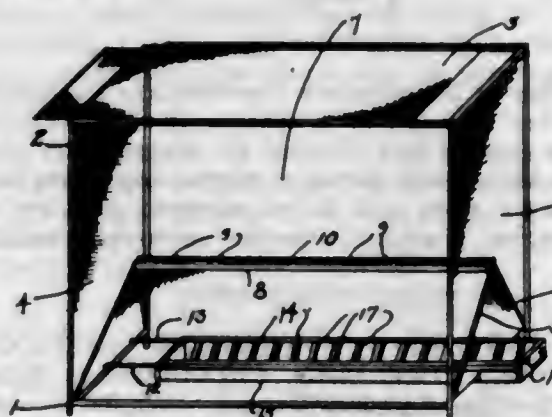
1. In a device of the character described, a pair of interfitting body members, a plurality of ball bearings,

retaining cups for the bearings, recesses in the members adapted to receive the cups and bearings, means for



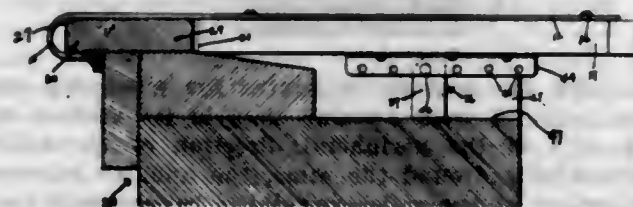
joining the members together, means to secure the joining means, and threaded means at each end of the assembly to engage the extremities of sucker rods.

1,517,028. FLYTRAP. ERASMUS E. SMITH, Bryan, Ohio. Filed July 10, 1922. Serial No. 573,854. 3 Claims. (Cl. 43-118.)



1. A fly trap embodying a gable bottomed fly receiving chamber, a frame for mounting said chamber and including cross bars at the gable ends, a pair of parallel wires between said bars, and a bait tray slidable into said gable along said wires.

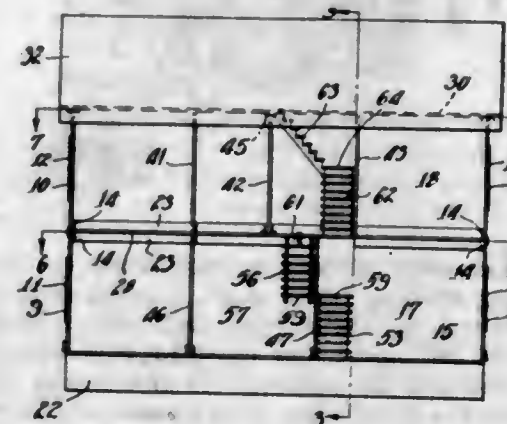
1,517,029. WINDOW SEAT. RAYMOND F. STRIEF and WILLIS H. STRIEF, Cincinnati, Ohio. Filed Aug. 24, 1921. Serial No. 495,052. 2 Claims. (Cl. 304-24.)



1. In a window seat, the combination of a seat-body, a strap at each side of said seat-body, each of said straps provided with a downwardly projecting hook arranged to engage an inwardly extending projection of a window-sill, means for adjusting said straps lengthwise of the said seat-body, a pair of flanges secured to said seat-body and extending below said seat-body, said flanges provided with a series of holes arranged longitudinally thereof, supporting parts extending downwardly when in supporting relation, said supporting parts provided with apertures and with stops impinging said seat-body above said apertures, said stops arranged to automatically im-

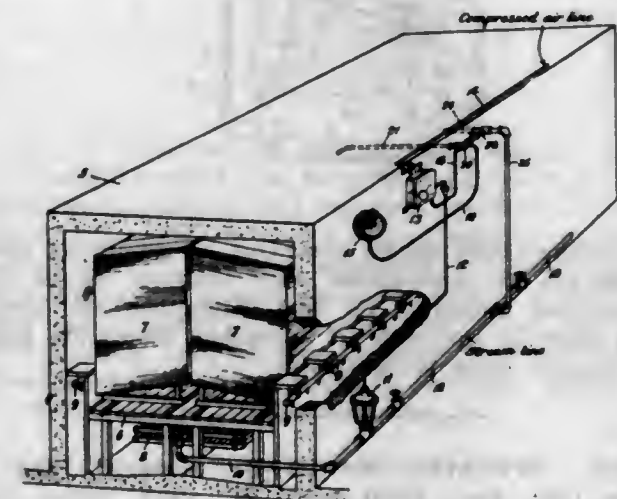
plunge the bottom of said seat-body upon downward swinging movement of said supporting parts and arranged to automatically limit movement of said supporting parts past a point of supporting relation to said seat, and pivot means received through said holes and apertures at selective positions lengthwise of said flanges for selectively positioning said supporting parts under said seat-body toward and from said hooks, and said supporting parts remaining free to be swung on said pivot-means into positions under said seat-body extending lengthwise of said flanges.

1,517,030. FOLDING TOY HOUSE. MORRIS GARDNER TALCOTT, East Cleveland, Ohio. Filed Mar. 16, 1923. Serial No. 625,438. 11 Claims. (Cl. 46-37.)



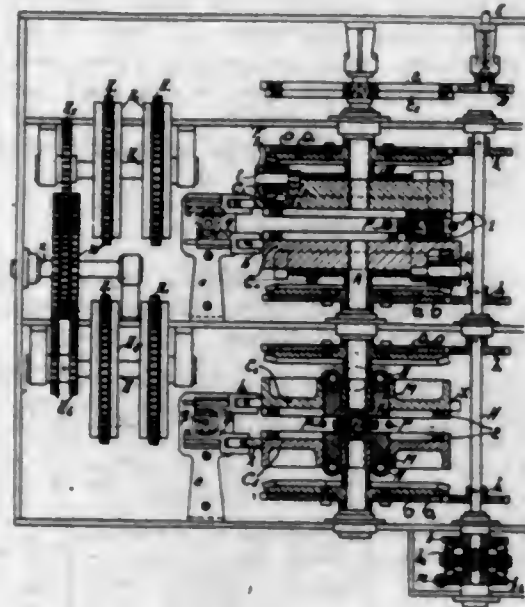
1. A doll house structure, including a base member comprising a floor of the structure, a plurality of walls hingedly connected to the base member and arranged to fold inwardly thereupon, a partition member in the nature of a second floor for the structure, said partition member being adaptable for sliding engagement with said walls, a ceiling panel hingedly connected to one of the walls, and roof members hingedly connected to the panel member.

1,517,031. CONTROLLING OR RECORDING SYSTEM. EDGAR A. ULMANN, San Francisco, Calif., assignor to C. J. Tagliabue Mfg. Co., Brooklyn, N. Y., a Corporation of New York. Filed June 15, 1922. Serial No. 568,425. 12 Claims. (Cl. 236-18.)



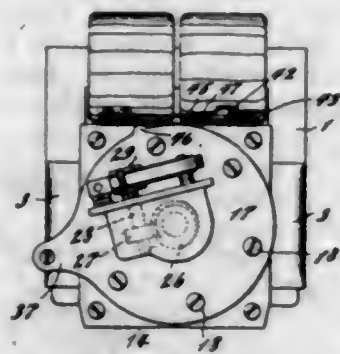
2. The combination of a bulb, a capillary tubing connected therewith, means whereby said bulb and tubing are supported exteriorly of the confines of a predetermined zone, and means whereby air from a predetermined point within said zone is caused to travel in contact with said bulb and exert its influence thereon and then passed back into said zone.

1,517,032. TRANSMISSION MECHANISM. AUKE VAN DER SLUIS, The Hague, Netherlands. Filed Mar. 6, 1924. Serial No. 697,374. 5 Claims. (Cl. 74-54.)



1. A transmission mechanism comprising in combination a driving shaft, a driven shaft, a crank shaft adapted to be driven by the driving shaft and having two cranks spaced 90° apart and provided with crank pins, means for shifting the positions of the cranks in relation to their axes of rotation, means associated with each crank for converting the crank motion into reciprocatory motion, intermediate shafts, means for converting said reciprocatory motion into uni-directional rotation of said intermediate shafts, and planet gearing simultaneously driven by both last-named shafts and driving the driven shaft.

1,517,033. IGNITION GENERATOR. RICHARD VARLEY, Englewood, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed July 1, 1920. Serial No. 393,243. 9 Claims. (Cl. 123-149.)

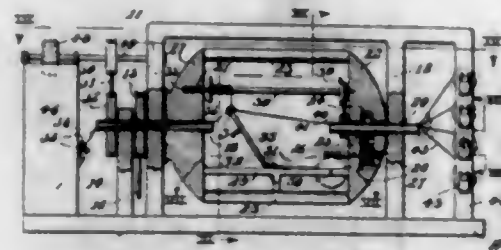


1. A mechanically driven generator for supplying ignition currents, in combination with common, means for simultaneously adjusting its field magnetism and altering the point in the cycle of operation where the peak of the current wave is developed.

1,517,034. SPINNING MACHINE. JOSEPH VESELY, Union City, Pa. Filed Sept. 27, 1923. Serial No. 665,124. Renewed Oct. 2, 1924. 16 Claims. (Cl. 117-49.)

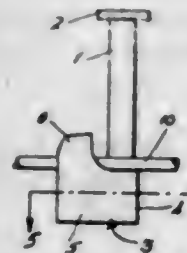
1. The combination with a supporting frame; of a pair of aligned shafts mounted in said frame, one of said shafts being journaled in the frame and the second shaft being fixed in said frame, a flyer frame fixed at one end to the first shaft and revolvably supported on the second shaft, one of said shafts forming a tubular guide, means to supply a strand of fibrous material

to the flyer frame through the hollow shaft, a bobbin eccentrically supported in the flyer frame for revolution therein, means to rotate the flyer frame, a lever oscill-



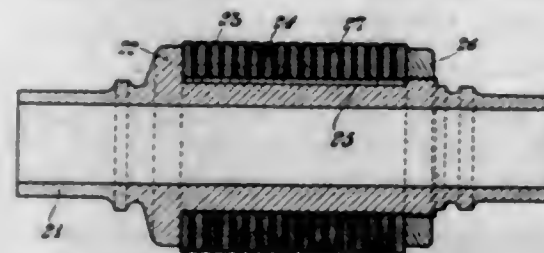
latably mounted in said flyer frame and having a guide eye through which the fibrous strand may pass for winding on the bobbin, means to revolve said bobbin, and means to oscillate said lever.

1,517,035. FURRING NAIL. GEORGE F. VOIGHT, Oakland, Calif. Filed Feb. 12, 1923. Serial No. 618,498. 9 Claims. (Cl. 72-118.)



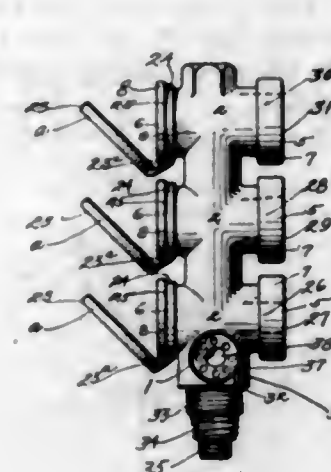
1. In means of the character described, the combination with a driven element, of a spacing element locked on said driven element and forming an integral part thereof, the spacing element having a portion projecting laterally outwardly from said driven element, the free end of said portion provided with an upwardly extending member.

1,517,036. ROLLER FOR PRESSING APPARATUS FOR WOOD PULP AND CELLULOSE. RUDOLF ERNST WAGNER, Karlstad, Sweden, assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden, a Manufacturing Company registered under the laws of Sweden. Filed Mar. 10, 1919. Serial No. 281,664. 4 Claims. (Cl. 92-49.)



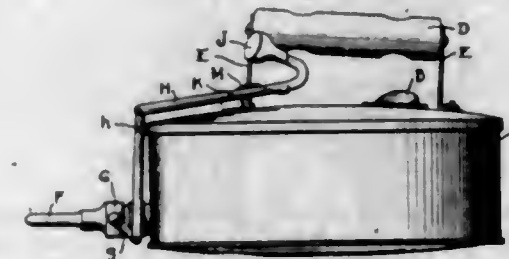
1. A roller for pressing apparatus for wood-pulp and cellulose provided with annular slots in its surface extending only in the peripheral direction of the roller circumferentially around the same, the annular portions of the surface of the roller remaining between said slots being several times wider than the mouths of said slots in the roller surface, said slots being of such small width that said remaining annular portions of the roller surface are capable of pressing the material without the material being pressed into said slots, and the depth of said slots being several times greater than the width of the mouths of the slots and being so proportioned relatively to the width of said remaining annular portions of the roller surface that each slot is capable of receiving and to bring along and remove at the rotation of the roller at least such quantity of liquid as is pressed out by each remaining annular portion of the roller surface.

1,517,037. TESTING APPARATUS. GEORGE A. WATKINS, Los Angeles, Calif. Filed Jan. 15, 1921. Serial No. 437,424. 3 Claims. (Cl. 175-183.)



1. A tester, including a tubular member, one end of the tubular member being formed with internal screw-threads, and adapted to receive the shank of a spark plug, and a translucent member closing the opposite end of the tubular member; there being means external the tubular member and at an angle to the end of the tubular member which carries the translucent member, whereby light emitted from the spark plug may be reflected; said translucent member being of a color corresponding to the color of the spark emitted by the spark plug when the spark plug is working most efficiently.

1,517,038. DEVICE FOR REMOVING WAX FROM ARTIFICIAL-DENTURE CASTS. BERTIE WATSON, Port Elizabeth, South Africa. Filed Aug. 4, 1923. Serial No. 655,769. 3 Claims. (Cl. 87-19.)

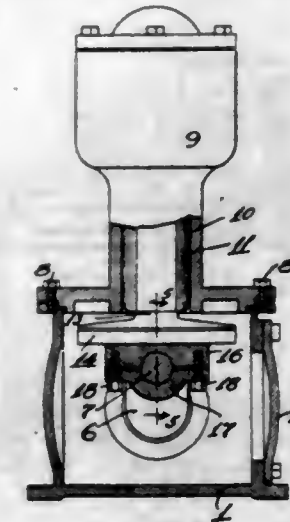


3. A device for removing wax from artificial denture casts comprising a hermetically sealed kettle, a heat insulating handle rigidly secured to the upper surface of said kettle, a jet nozzle secured to the end wall of said kettle, a rotatable valve in said nozzle, a lever pivotally mounted on said kettle provided with a thumb piece adjacent said handle to permit actuation of said thumb piece by the fingers or thumb of the hand of the operator which engages said handle and means connecting said lever and valve, and means to normally hold said lever in an elevated position corresponding to a closed position of said valve.

1,517,039. CRANK-SHAFT MECHANISM. WILLIAM WISHART and ALBERT H. MORRELL, Clinton, Iowa, assignors, by mesne assignments, to Climax Engineering Company, Clinton, Iowa, a Corporation of Delaware. Filed June 6, 1921. Serial No. 475,179. 2 Claims. (Cl. 74-14.)

1. The combination with a crank shaft and a piston, of a shoe integrally formed on one end of said piston,

a collar journaled on a crank pin forming part of the crank shaft, said collar having a T-slot therein for receiving said shoe to permit slidable movement of said



collar with respect to said shoe when the crank shaft is operated to reciprocate said piston, or when said piston is reciprocated to cause the crank shaft to rotate.

1,517,040. SHOVEL CONSTRUCTION. CHARLES WESLEY WRIGHT, Holmesburg, Philadelphia, Pa. Filed Sept. 15, 1924. Serial No. 737,665. 4 Claims. (Cl. 294-49.)

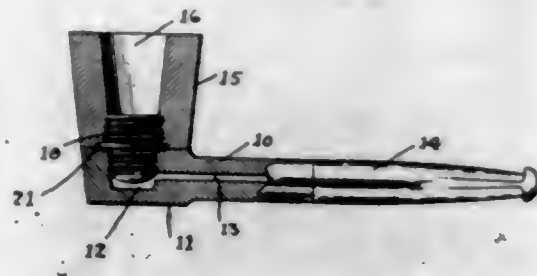


1. An implement of the character stated comprising a tubular member the lower end of which is laterally apertured, a shovel part having a tubular neck arranged to abut beneath the lower end of said tubular member, which neck is laterally apertured, a laterally apertured sleeve arranged around the meeting ends of said member and neck, a laterally apertured plug within and bridging the meeting ends of said member and neck and bolts passing through the respective apertured parts for detachably clamping same together.

1,517,041. SMOKING PIPE. BENJAMIN ZEICHNER, Brooklyn, N. Y., assignor to L. & H. Stern, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 16, 1922. Serial No. 529,643. 3 Claims. (Cl. 131-12.)

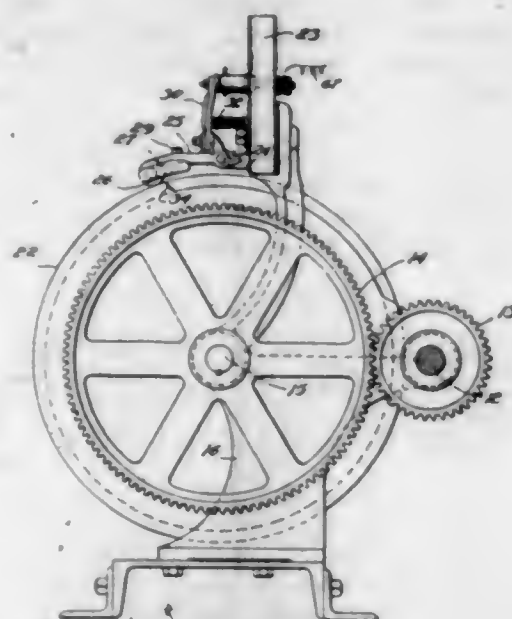
3. A smoking pipe comprising a shank terminating at one end in an enlarged portion provided with a chamber, a top member conformed to said enlarged portion, and a connecting member comprising a relatively deep

receptacle having a thin side wall portion extending into and secured to said top member, and a relatively thick bottom wall portion of reduced cross section extend-



ing into and occupying the major portion of said chamber and secured to said shank, and an elongated passage extending vertically through said bottom portion, substantially as specified.

1,517,042. ELEVATOR CONTROL. CARL J. ANDERSON, Chicago, Ill. Filed Aug. 9, 1922. Serial No. 580,650. 2 Claims. (Cl. 200-153.)

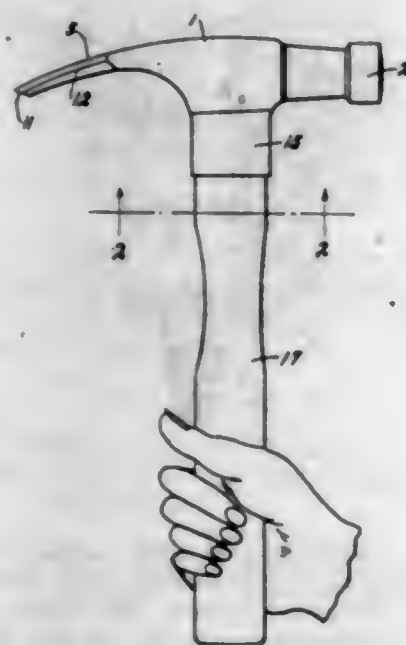


1. In a device of the class described, the combination with a cam, and means for driving it, of a pivoted lever having a fork on its end and slots in the tines of the fork, a roller located between the tines of the fork and having trunnions projecting into said slots, a spring pressing said lever so as to cause said roller to bear on the face of the cam, and an electrical connection opened and closed by the movement of the lever due to the movement of the cam under the roller said parts being so arranged that upon an incline of the cam arriving at the roller the tension of the spring and the incline will force the trunnions backward in the slots to permit a quick opening of the electrical connection by the spring action.

1,517,043. ADZ HAMMER. ANDREW C. BENSON, Beaumont, Tex. Filed Oct. 7, 1921. Serial No. 506,106. 1 Claim. (Cl. 145-2.)

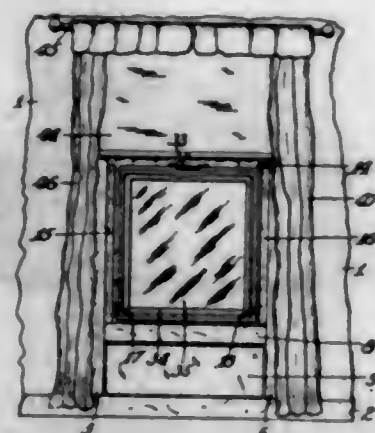
An adz comprising a head and a handle assembled with the head, the head being provided with a nail-holding opening and having a broadened bit at one end, the bit having beveled surfaces at its sides, the beveled surfaces at one side of the bit being approximately parallel to the beveled surfaces at the opposite

side of the bit, said surfaces being located adjacent to the opening, and exercising a double function in that they form shoulders facilitating the hold of the bit,



when the head is rocked transversely, during the starting of a nail held in the opening, the said surfaces serving, also, to define cutting edges at the sides of the bit.

1,517,044. COMBINATION TABLE AND CHINA CLOSET. CHARLES T. BOYER, Indianapolis, Ind. Filed Aug. 7, 1922. Serial No. 580,075. 3 Claims. (Cl. 45-51.)

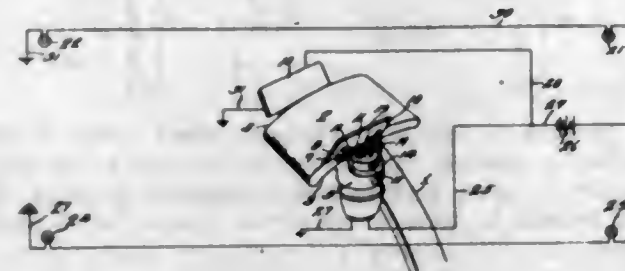


1. A combination table and closet comprising a closet space, two studs fixed on two opposite sides respectively of the closet space at the front side thereof, two beams arranged at the inner side of the studs respectively and pivoted thereto for sole support of the beams, a table secured to the beams, two arms integral with the beams respectively and extending approximately to the opposite rear side of the closet space when the beams are horizontal, and a weight supported by said arms.

1,517,045. AUTOMOBILE DIRECTION SIGNAL. CHESTER C. BRINCK, Mishawaka, Ind. Filed Apr. 19, 1923. Serial No. 633,191. 1 Claim. (Cl. 200-59.)

The combination with the tread of a foot controlling lever of an automobile, of a circuit maker and breaker, said circuit maker and breaker comprising a bracket

having a chamber therein, a flange carried by said bracket and engaging the under side of the tread and secured thereto, an upwardly and outwardly extending hinged contact plate carried by the bracket and having its inner end normally registering with the side of the tread whereby a foot may be slid thereon while in contact with the tread, spring means for normally holding

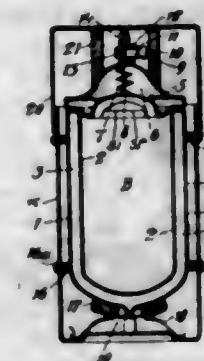


said contact plate in raised position, an electric plug disposed within the chamber of the bracket, said plug being provided with a reduced threaded portion extending through an aperture in the bottom of the bracket, a member threaded onto the threaded portion of the plug and yieldably supported contact members carried by the plug below the plate.

1,517,046. METHOD AND PROCESS FOR THE LEACHING OF CALICHE AND FOR THE RECOVERY OF NITRATE THEREFROM. CHARLES LALOR BURDICK, New York, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a Copartnership. Filed Nov. 7, 1921. Serial No. 513,335. 14 Claims. (Cl. 23-13.)

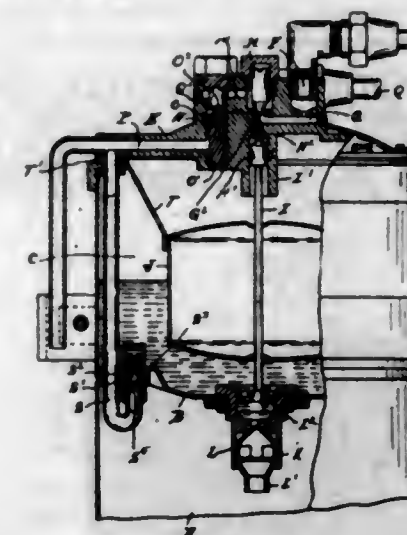
1. The method of extracting nitrate from nitrate-bearing materials containing sulfate, which comprises leaching the material at temperatures not exceeding 58° C. in the presence of such concentrations in the leaching solution of certain stabilising agents characterized by the property of rendering stable certain protective sulfate compounds in the presence of free nitrate, components of which protective sulfate compounds would otherwise, by rearrangement, combine with and render unavailable a greater or less proportion of the total nitrate in the nitrate-bearing materials.

1,517,047. VACUUM-JACKETED VESSEL. REINHOLD BURGER, Berlin, Germany. Filed Mar. 11, 1924. Serial No. 698,501. 2 Claims. (Cl. 215-13.)



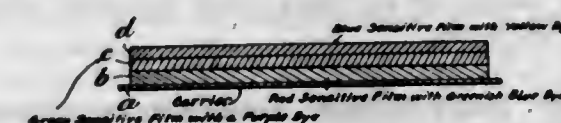
1. A vacuum-jacketed vessel comprising a vacuum-jacketed main body provided with transverse grooves in the upper edges thereof adapted to receive conducting wires for measuring purposes, a vacuum-jacketed cover, an exhausting tube mounted through the cover and a valve in said tube, substantially as and for the purposes set forth.

1,517,048. VACUUM TANK. WILFRED O. CHASE, Redford, Mich., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Oct. 2, 1922. Serial No. 591,930. 6 Claims. (Cl. 103-236.)



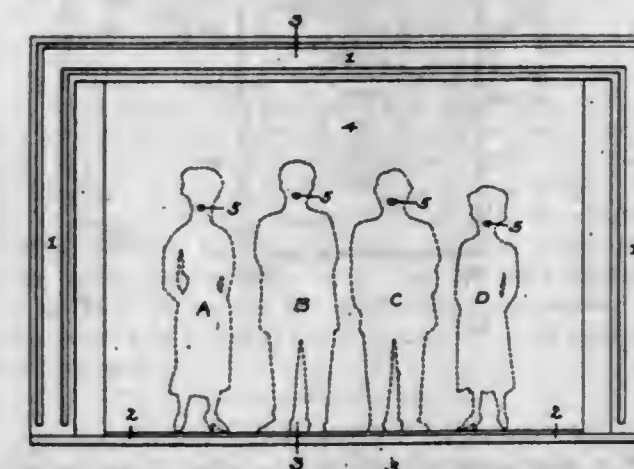
1. A vacuum tank comprising an upper compartment, suction means for filling the same, a lower compartment, a valve-controlled passage between said compartments, and means operated by suction in the upper compartment for opening an atmospheric vent to said lower compartment.

1,517,049. FILM AND METHOD FOR THE PRODUCTION OF COLORED PICTURES. JENS HERMAN CHRISTENSEN, Holte, Denmark. Filed Sept. 6, 1919. Serial No. 322,128. 4 Claims. (Cl. 95-6.)



1. The method of producing colored photographic pictures by bleaching consisting in exposing a silver halide gelatine film containing a dye which can be bleached by means of a reducing agent, developing the same and catalytically bleaching at least part of the said dye in such places of the film as contain silver after development.

1,517,050. TOY. JACOB JAMES DILKS, Philadelphia, Pa. Filed Apr. 26, 1921. Serial No. 464,680. Renewed Nov. 24, 1923. 3 Claims. (Cl. 46-40.)



1. In a device of the character stated a toy theatre including an arch, stage and an apertured back drop, a life-like figure delineated upon said back drop the mouth of which figure is in register with the back drop aperture, a vertically movable spring controlled slide

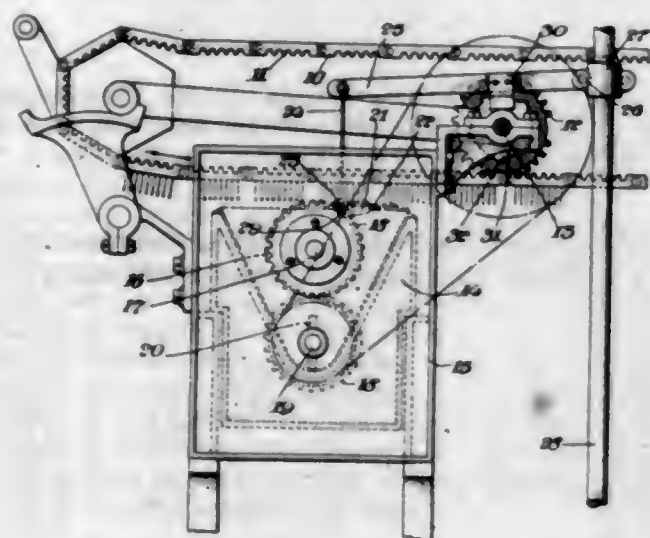
having delineated thereon mouth portions of a human figure normally in register with and to the rear of the back drop aperture and a manually operable lever connected to said slide for causing the delineated mouth portions of the latter to recede from before the back drop aperture.

1,517,051. EGG-SHIPING RECEPTACLE. ISRAEL V. EDGERTON, Chicago, Ill., assignor of one-half to Jesse R. Grant and one-half to V. E. Grant, both of Chicago, Ill. Filed Oct. 26, 1921. Serial No. 510,622. 3 Claims. (Cl. 217-261.)



1. The combination with a filler member containing a plurality of open ended cells having vertical side walls, of a sheet for supporting the filler member and the eggs contained within the cells thereof, said sheet being provided on one surface with closely placed parallel strips of transversely running corrugations which cover substantially all of the area of said surface within the cells in the filler member and are spaced inwardly from the margin of the sheet along the outer sides of the two end strips.

1,517,052. COMPOSITION-APPLYING MECHANISM FOR MATCH MACHINES. WILLIAM J. ELDER, Oswego, N. Y., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 15, 1923. Serial No. 602,538. 4 Claims. (Cl. 144-60.)



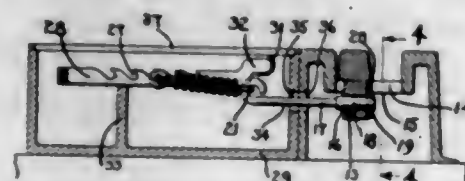
1. In a match machine having a carrier for supporting rows of splints in separated groups, composition-applying mechanism comprising means for transferring a layer of composition to the path of the splints, and means whereby such layer is formed at intervals with ridges which successively encounter the last rows of splints of the respective groups.

1,517,053. PROCESS OF MAKING BAG FRAMES. FRANZ A. FULLER, Newark, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Oct. 11, 1921. Serial No. 590,907. 1 Claim. (Cl. 153-11.)



The process of forming channelled sheet metal frames consisting in bending the channelled member at an angle to produce arcuate corners and thereafter pressing the corners inward to form a completed member with sharp corners.

1,517,054. SPRING SWITCH. MAURICE C. GARLICK, Easton, Pa. Filed Aug. 22, 1923. Serial No. 658,697. 9 Claims. (Cl. 246-318.)

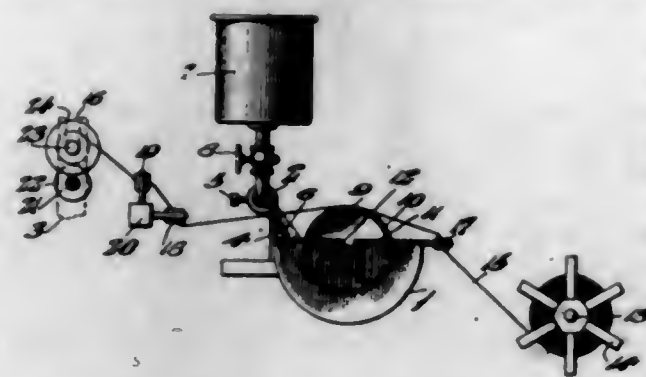


1. In a spring switch, a pivoted switch tongue, and means for resiliently and adjustably holding same toward the rail comprising an expansion spring and a pivoted yoke and detachable connecting means between the spring and yoke.

1,517,055. METHOD OF PREPARING METAL BORINGS AND THE LIKE PARTICULARLY FOR USE IN FURNACES. THOMAS GILMORE, Jr., Brooklyn, N. Y., assignor to The General Metal Briquette Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1922. Serial No. 598,997. 4 Claims. (Cl. 75-73.)

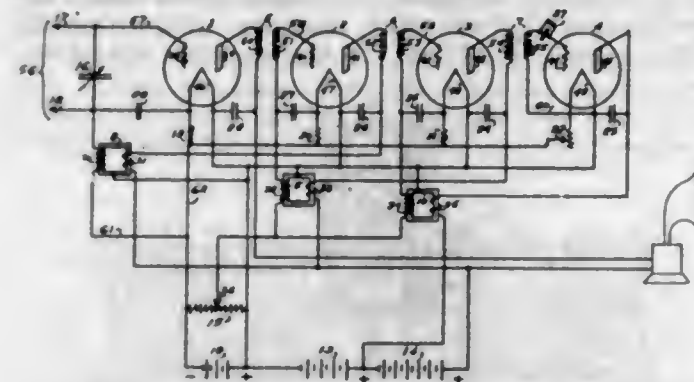
1. The herein described method which consists in mixing metal borings or similar material with an agent containing a gum and an acid which will react with the metal of the material, subjecting the mixture to high pressure during the chemical reaction between said agent and the material, and exposing the resulting compressed mass to the atmosphere.

1,517,056. THREAD-CONDITIONING APPARATUS. WALTER GLEDHILL, Leighton, Pa. Filed Dec. 10, 1923. Serial No. 679,554. 5 Claims. (Cl. 91-51.)



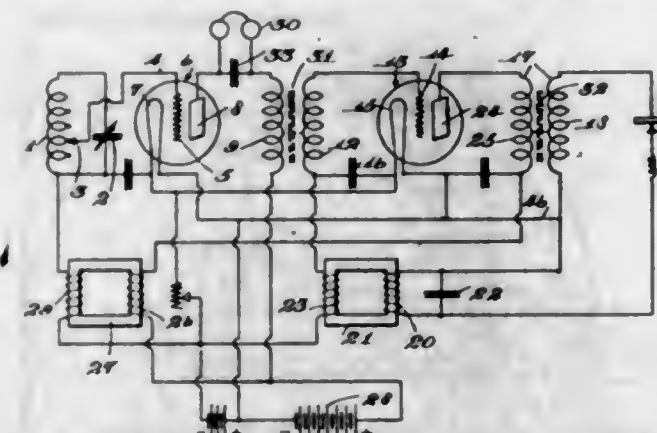
5. Apparatus of the character stated comprising oil distributing means, an individual oil trough supported by said means to receive oil therefrom, an individual roller freely rotatable in said oil trough, means for feeding thread over said roller to rotate same by frictional engagement and means for adjusting the angle of said trough to increase or decrease said frictional engagement.

1,517,057. VACUUM-TUBE AMPLIFIER. DAVID GRIMES, Grasmere, N. Y. Filed Sept. 19, 1922. Serial No. 589,108. 13 Claims. (Cl. 170-171.)



1. A system comprising a plurality of amplifiers arranged for interstage operation, and circuit connections for said amplifiers, said circuit connections being so arranged that said amplifiers are operable to amplify current variations of two different bands of frequencies, and means including said circuit connections whereby the current variations within one band of frequencies are impressed upon the amplifiers in a predetermined order, and the current variations within the other band of frequencies are impressed upon the amplifiers in the inverse order as compared with the aforementioned predetermined order.

1,517,058. INVERSE-DUPLEX VACUUM-TUBE CIRCUIT. DAVID GRIMES, Grasmere, N. Y., assignor to Grimes Radio Engineering Co., Incorporated, Grasmere, N. Y., a Corporation of New York. Filed Dec. 1, 1923. Serial No. 677,955. 6 Claims. (Cl. 170-171.)

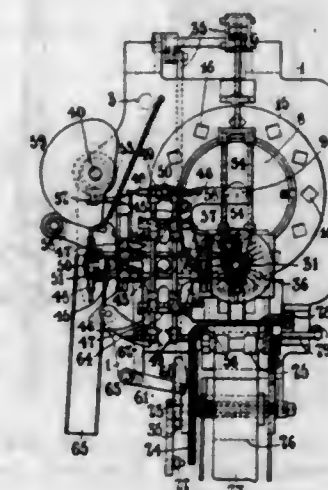


1. In an amplifier including at least two electron discharge devices each comprising anode, cathode and control electrode, wherein said devices both operate simultaneously for effecting both radio frequency amplification and audio frequency amplification, the method of preventing the maintenance of audio frequency continuous oscillations which consists in reducing or preventing the flow of audio frequency current from a current source in the output circuit of one of said devices to the cathode of the last-mentioned device through the medium of the control electrode and cathode of the other of said devices, thereby reducing or preventing audio frequency potential difference variations between the last-mentioned control electrode and cathode arising as a result of audio frequency current variations in said output circuit.

1,517,059. MACHINE FOR AUTOMATICALLY FOLDING WRAPPERS AROUND RECTANGULAR AND OTHER BODIES. FREDERICK GROVER, Leeds, England, assignor to The Forgrave Machinery Company Limited, Leeds, York, England. Filed Apr. 12, 1924. Serial No. 706,000. 8 Claims. (Cl. 93-7.)

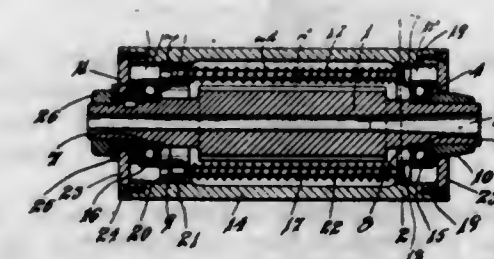
1. A machine of the type specified for automatically folding wrappers around rectangular and other bodies, comprising in combination, an intermittently reciprocated

plunger, means for feeding the bodies in turn on to the top of said plunger when in the down position, means for feeding the wrappers in turn to above each body so fed, a fixed member having a dilatible aperture through which each wrapper and its body are carried in turn by the upward movement of the plunger to lay down the overhanging portions of each wrapper against the sides of its body, a shaft intermittently rotated step-by-step to time in with the intermittent reciprocations of the plunger, a series of oppositely situated gripper devices carried at equal distances apart on or about said shaft and adapted in turn to receive a partially wrapped body from



the plunger when in the up position and carry it step-by-step through half a revolution and then deliver it, means for opening and closing each oppositely situated pair of gripper devices as they come to rest in turn at the receiving and delivery positions respectively, reciprocating tucker means operated during each rest period of the step-by-step rotated gripper devices to tuck under some of the depending portions of the wrappers of the gripper-held bodies, and stationary means for tucking under the remaining depending portions of the wrappers of the gripper-held bodies as they pass thereover in turn during each step rotation of the gripper devices.

1,517,060. BEARING. BENGT M. W. HANSON, Hartford, Conn. Filed July 10, 1919. Serial No. 309,961. 3 Claims. (Cl. 64-36.)

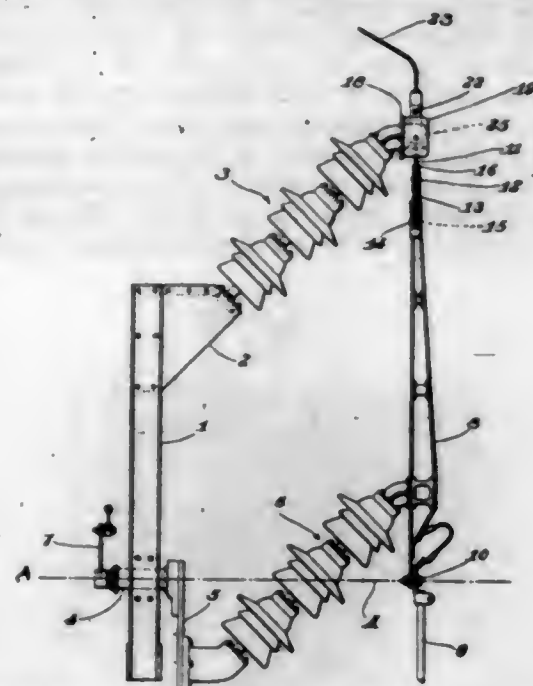


1. In a device of the character described, a rotating member, a housing within which said member is mounted and having bores at its opposite ends, ball bearings within said bores and within which said rotating member is supported, the inner rings of said bearings being secured to said rotating member against endwise movement therealong and the outer rings of said bearings being slidably supported for longitudinal movement within said bores, and a thrust bearing between said housing and rotating member.

1,517,061. DISCONNECTING SWITCH. LESTER C. HART, Cleveland, Ohio, assignor to Ill-Voltage Equipment Company, a Corporation of Pennsylvania. Filed Apr. 11, 1924. Serial No. 705,829. 8 Claims. (Cl. 200-48.)

1. In combination in a switch, a pair of similarly inclined insulator columns, one of which is fixed and has contact means at its outer end, a crank, to the free end

of which, the inner end of the other column is attached with the extended axis of rotation of the crank cutting such other column intermediate its ends, and a switch



arm secured to the outer end of such other column and provided with contact means adapted to contact with the first mentioned contact means.

1,517,062. WASHBOARD. OCTAVE J. HERBERT, New Iberia, La. Filed July 24, 1923. Serial No. 653,582. 2 Claims. (Cl. 68-29.)



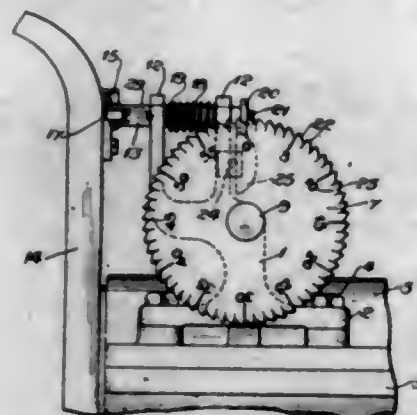
1. A washboard comprising a rubbing element consisting of a flat rectangular base of substantial thickness having each side marginal portion of both of its faces provided with a set of spaced horizontally extending grooves each gradually increasing in depth towards a side edge of the base, said base further having one side edge provided with spaced transversely disposed connecting grooves each gradually increasing in depth from its center towards each end and merging into a pair of horizontal grooves each on opposite faces of the base, said base further having its other side edge provided with spaced inclined connecting grooves gradually increasing in depth from the center thereof towards each end and each extending at an acute angle with respect to a lower marginal groove on one face and merging into an upper marginal groove on the other face of the base, a single length of wire extending through said horizontal, transverse and inclined grooves and further extending transversely of each face of the base thereby providing spaced ribs, said wire having inter-engaging portions for connecting it together at the upper portion of the base, and means for connecting the wire to one side edge of the base at the lower end thereof.

1,517,063. MEANS FOR DAMPING VIBRATORY STRUCTURES OF VIBRATION APPARATUS. HEINRICH HECHT, HUGO LACHTE, and BERNHARD NIELSEN, Kiel, Germany, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Filed Oct. 22, 1923. Serial No. 670,017. 8 Claims. (Cl. 179-180.)



1. In acoustic apparatus, a vibratory structure, and a chamber containing fluid which latter is adapted to be acted upon by said vibratory structure and having an opening in its wall through which the fluid may pass when the vibratory structure is excited, said chamber being tuned to the frequency of the vibratory structure and being of such size and shape as to effect the desired damping of said vibratory structure.

1,517,064. REVOLUTION INDICATOR FOR CHURNS. LEONARD F. HEITZ, Lake Mills, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1922. Serial No. 553,776. 2 Claims. (Cl. 116-78.)

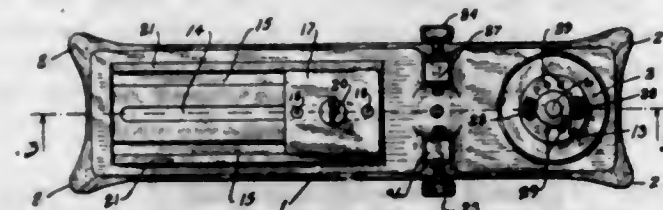


2. A device of the class described comprising a stationary standard, a rotatable dial having radial ratchet teeth around its periphery, a pivot support for said dial having a bearing in said standard, said pivot support being axially movable and having spring tensioned means for retaining said dial in frictional lateral bearing contact with said standard, a longitudinally slidable bar having its bearing support in said standard and movable on an axis substantially parallel to the plane of said dial, a pawl pivotally supported on one end of said bar and extending laterally into operative engagement with the ratchet teeth of said dial, the other end of said bar being adapted for actuation by a cam carried by a rotating body whereby said pawl effects the intermittent rotation of said dial a tooth at a time, a signal device mounted on said standard, and means on the dial arranged to actuate said signal device at a certain position of said dial.

1,517,065. BABBITTING JIG. WILLIAM M. HOLLOWELL, Armet, Colo. Filed Jan. 11, 1923. Serial No. 650,793. 1 Claim. (Cl. 22-123.)

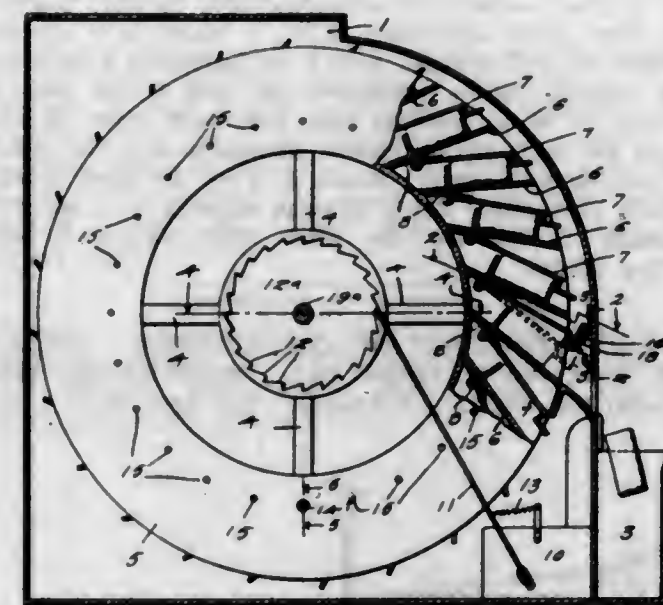
A babbitting device comprising a base plate having an opening at one end and an elongated slot near the other end, a mandrel rigidly secured in said opening and extending in a direction at right angles to the plane of the top surface of the base plate, a stud slidably connected

to the plate and movable along the slot, the axis of the said stud being parallel with the axis of the mandrel, said stud being adapted to cooperate with a connecting rod having an opening adapted to receive the stud, and another opening adapted to receive the mandrel, said last named opening being larger than the mandrel, a pair of lugs extending upwardly from the upper surface of the base plate, one lug being located on each side of a line joining the axis of the stud and the mandrel, a



screw in each of said lugs, said screws being adapted to engage the sides of a connecting rod for the purpose of moving it in a plane parallel to the plane of the upper surface of the base plate, a screw operatively connected to the base plate and adapted to engage the bottom of the connecting rod for adjustment purposes, a collar secured to the mandrel, said collar having a groove in its upper surface, a second collar adapted to be secured to the mandrel near its upper end, and a nut for holding the last named mandrel in place.

1,517,066. VENDING MACHINE. JAMES D. HOPE, Sharon, S. C. Filed Feb. 14, 1923. Serial No. 618,974. 1 Claim. (Cl. 211-8.)

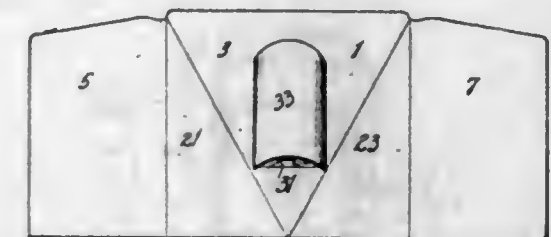


A vending machine comprising a rotary container embodying a plurality of compartments, a casing enclosing said container and having an outlet opening, means to rotate said container to successively present said compartment to said outlet, said means including an internally toothed circular rack mounted to rotate with said rotary container, a rod having a portion to successively engage the teeth of said rack, means to move said rod longitudinally to rotate said container, and a coil spring having one end connected with said rod and adapted to maintain said rod in engagement with said rack.

1,517,067. ADVERTISING DEVICE. GEORGE HORNECKER, Elmhurst, N. Y., assignor to L. R. Conwell, Elmhurst, N. Y. Filed June 9, 1924. Serial No. 718,977. 4 Claims. (Cl. 40-126.)

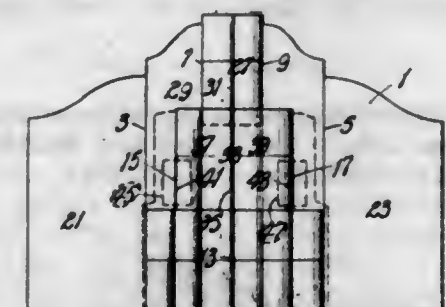
1. An advertising device comprising a one-piece support and a one-piece second piece, projections on said support

having an interlocking engagement with said second piece whereby said second piece may be locked in bowed position upon said support, to represent a curved article



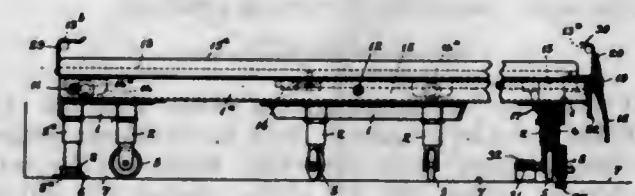
such as a can; the support having a projection adapted to be folded forwardly to cooperate with the bowed second piece to represent the top of the article.

1,517,068. DISPLAY DEVICE. GEORGE HORNECKER, Elmhurst, N. Y., assignor to L. R. Conwell, Elmhurst, N. Y. Filed July 21, 1924. Serial No. 727,157. 9 Claims. (Cl. 40-126.)



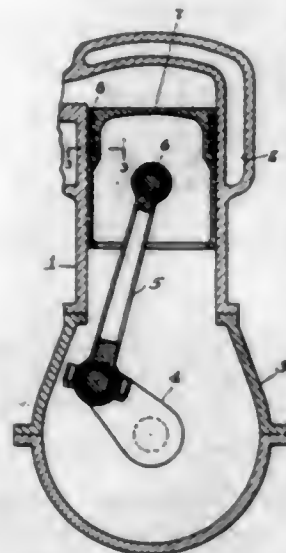
1. An advertising device comprising a one piece support; and a one piece second piece; said one piece support comprising a lower forwardly bent section, an upper forwardly bent section, side wings, and a bent central section joining all the aforesaid sections; said one-piece second piece comprising a forwardly bent flat section adapted to interlock and hinge with said bent central section.

1,517,069. STRETCHER SUPPORT FOR AMBULANCE VEHICLES. ALFRED HARRY HUDDART, Godalming, England. Filed July 17, 1923. Serial No. 652,185. 9 Claims. (Cl. 296-19.)



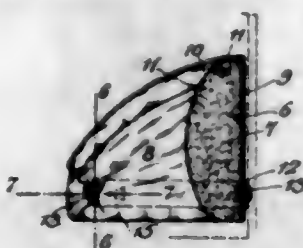
1. A stretcher carrying appliance for ambulance vehicles, comprising a frame having a plurality of supporting legs, one of said legs having its lower end adapted to be revolvably connected to the floor of a vehicle and the other legs having their lower ends movable across such floor, means for locking the frame against movement on said revolvable leg, a stretcher carrying tray mounted to slide longitudinally upon said frame, stops carried by said frame for limiting the movement of said tray relatively to said frame, means carried by the tray for locking it in position either fully upon said frame or partially withdrawn therefrom, and means for securing a stretcher on said tray.

1,517,070. PISTON RING. ELBERT J. JENKINS, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Sept. 23, 1920. Serial No. 412,302. 4 Claims. (Cl. 74-109.)



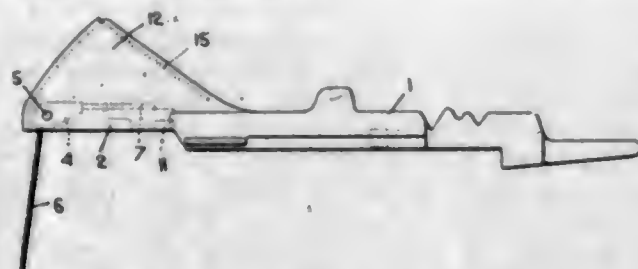
1. As a new article of manufacture, a piston ring for an internal combustion engine composed of a light metal alloy, in which the predominant constituent is magnesium.

1,517,071. HAT PAD. SAMUEL KANNER and SAMUEL JAFFE, New York, N. Y. Filed May 27, 1924. Serial No. 716,111. 3 Claims. (Cl. 2-185.)



2. A hat pad consisting of a stiffening member having padding material arranged on one side thereof, a flexible covering sheet extending over said padding material and the opposite side of said stiffening member, a metallic fastening element arranged upon the covering sheet on the latter side of the stiffening member, the end portions of said covering sheet being turned over the ends of said stiffening member upon the rear side thereof, and a plurality of metal grommets securing said fastening element to the stiffening member, and certain of said grommets extending through the latter portions of the covering sheet, through the stiffening member and through the covering sheet extending over said padding.

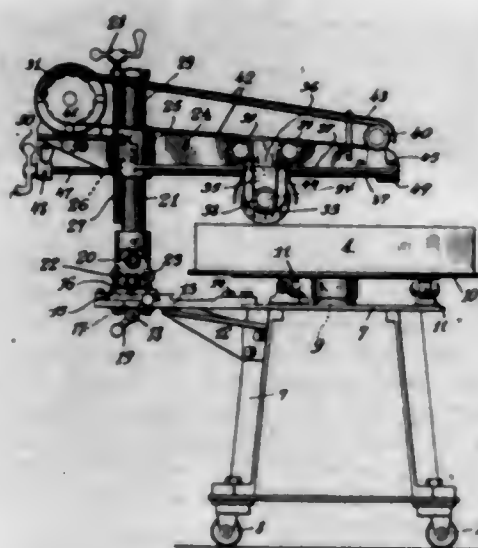
1,517,072. FILLING-DETECTING DEVICE FOR LOOMS. PATRICK KEEGAN, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 11, 1924. Serial No. 691,939. 7 Claims. (Cl. 139-377.)



1. A filling detecting device for a loom comprising a slide terminating at its rear end in transversely separated arms adapted to straddle the usual hook on the vibrating west hammer, a filling fork fulcrumed between and in

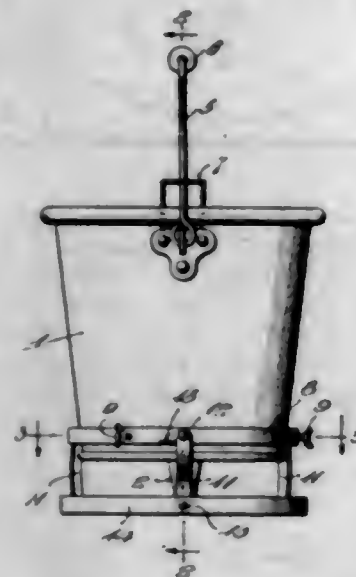
said arms and having a forwardly extending tail to cooperate with the hook and downwardly extending tines, and a hood enclosing at the top and rear the space between said arms in which the fork swings.

1,517,073. MACHINE FOR DRESSING STONE. JAMES W. KENT, Brooklyn, N. Y. Filed Aug. 28, 1923. Serial No. 659,729. 2 Claims. (Cl. 125-28.)



1. A machine of the character described comprising a portable stand, a work table mounted to rotate thereon, a base member secured to said stand, a bracket slidably supported on said base member, an upright pivoted on said bracket, means for adjusting said upright towards and away from said work table, a cutter arm adapted to slide on said upright, means for adjusting said cutter arm, cutting means supported on said cutter arm in position to be operated in over said work table, driving means for said cutting means, manually operated means for moving said cutting means in over the work resting on said work table, which latter is adapted to be operated manually to position the work with respect to said cutting means.

1,517,074. FOLDING BUCKET SUPPORT. WILLIAM W. KIRKPATRICK, Hydro, Okla. Filed May 23, 1924. Serial No. 715,308. 4 Claims. (Cl. 225-31.)

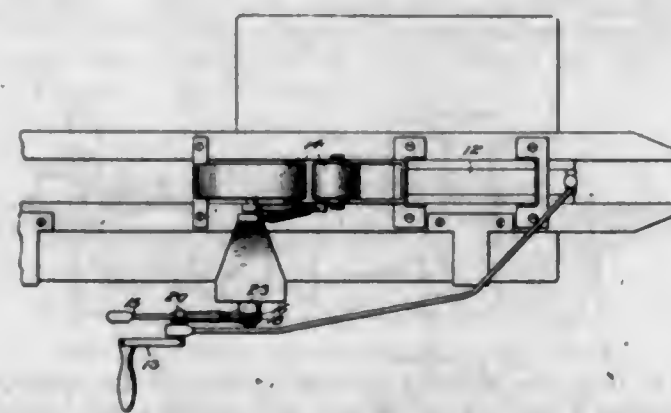


1. The combination with a bucket having a downwardly projecting discharge nipple; of a vertically movable bucket support connected with the lower end of said bucket and downwardly extensible to a position at which it will support said nipple above the ground.

1,517,075. PROCESS FOR MAKING EMULSIFIED COMPOSITIONS. LESTER KIRSCHBAUM, Chicago, Ill. Original application filed Sept. 4, 1918. Serial No. 252,605. Divided and this application filed Oct. 5, 1921. Serial No. 505,654. 4 Claims. (Cl. 134-1.)

1. A process of making an emulsified matrix consisting in adding to a liquid waterproof adhesive binder a solution containing a substance which upon saponification becomes an emulsifying agent adding a saponifying substance thereto, and thoroughly mixing the solution and the binder to form an emulsion, then adding this emulsion to an aqueous paste containing colloidal particles and thoroughly mixing the paste and the primary emulsion to form a secondary composition.

1,517,076. PRINTING-PRESS ATTACHMENT. HARRY R. KNITTLE, Catawissa, Pa. Filed Feb. 18, 1924. Serial No. 693,721. 6 Claims. (Cl. 101-49.)



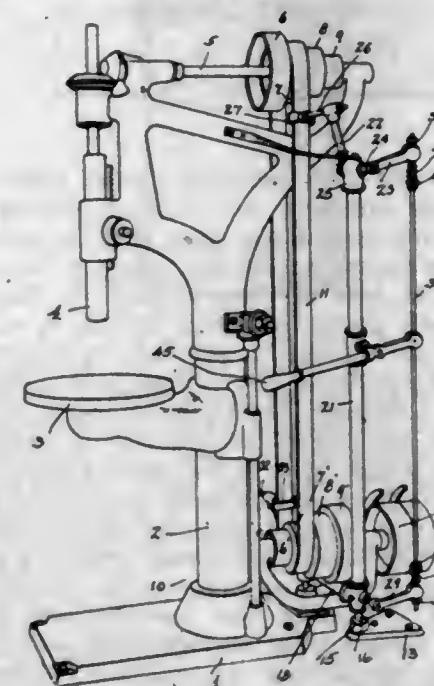
1. In a printing press attachment, a rotatable shaft, printing rolls operable by rotation of the shaft, a crank, a stencil feeding device connected to the crank and operable by the crank independently of the rotation of said shaft and the operation of the printing rolls, and means for connecting the crank and shaft to simultaneously operate the stencil feeding mechanism and printing rolls.

1,517,077. BRAKE AND HAULING DEVICE FOR AUTOMOBILES. JOHN KREITZER, Plunkett, Saskatchewan, Canada. Filed May 22, 1924. Serial No. 715,181. 6 Claims. (Cl. 188-2.)



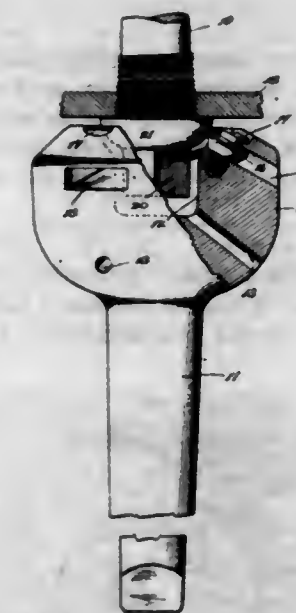
1. The combination with a motor vehicle having a rear axle, of a clutch element rigidly mounted on said axle, a drum having a clutch element loosely mounted on said axle, a cable wound on said drum and projecting longitudinally of said vehicle, a cam element mounted in proximity to one end of said drum, means for pivoting said cam element for causing the drum to move with its clutch element into engagement with the clutch element fixed to said axle for causing the drum to rotate with the latter, and means associated with the free end of said cable for limiting the winding of the latter upon said drum to provide a brake for said vehicle.

1,517,078. BELT-SHIFTING MECHANISM. ROBERT W. KREMER and ROBERT R. CUMMINS, Cleveland, Ohio, assignors to The Kremer-Cummins Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 24, 1920. Serial No. 398,762. Renewed Apr. 15, 1924. 1 Claim. (Cl. 64-4.)



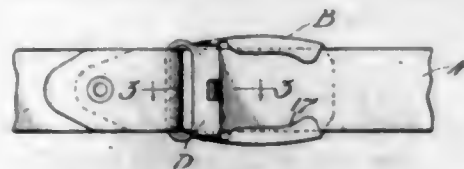
In belt shifting mechanism, the combination with two reversely arranged step pulleys and a belt engaging thereover; of belt shifting mechanism including a frame, two arms pivotally associated with said frame, belt engaging loops carried by said arms, a single operating lever, a vertical rod shiftable by means of said lever; and lost motion connections between said rod and said two arms, said connections being adapted to effect immediate operation of one of said arms and delay operation of the other of said arms.

1,517,079. SWAGING TOOL. GEORGE H. LANGTON, Princeton, W. Va. Filed Feb. 23, 1923. Serial No. 620,808. 2 Claims. (Cl. 78-47.)



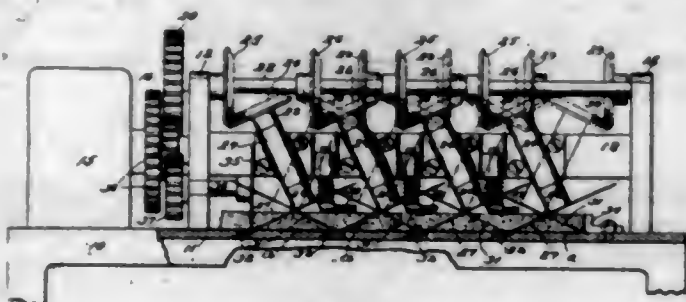
1. A swaging tool including a head provided at its forward end with an axial socket, and a plurality of tapered swaging rollers mounted upon the head outside of the periphery of said socket but projecting at their larger ends into the socket near the forward end thereof, the rollers having their axes converging in the direction of the inner end of the socket and having their smaller ends disposed outside of the periphery of the socket.

1,517,080. BUCKLE. WILLIAM H. LESTER, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed Apr. 9, 1923. Serial No. 630,781. 1 Claim. (Cl. 24-191.)



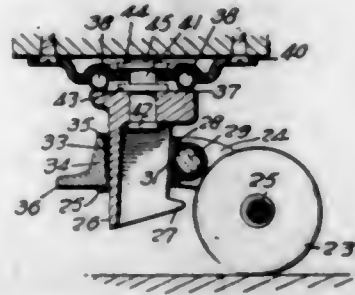
In a buckle, the combination of a body member having a plate against which a belt may be slidingly rested, there being ears upstanding from opposite sides of the plate, a clamp having a cam face adapted to exert pressure against the belt to thereby force the same tightly against the body plate, the clamp having an ear at each end in proximate relation to the ears on the body member, an actuating means also formed with ears adjacent those on the remaining parts and provided with a loop through which one end of the belt may be secured, there being a hole through each of the several ears and a pin extending through all of the holes to provide a co-axial pivotal connection between the body member, the clamp, and the actuating means, the clamp having a portion of itself extending from its cam face to the actuating means and projected through a slot therethrough in such a manner as to form a loose connection therewith whereby the actuating means may be utilized to operate the clamp, substantially as described.

1,517,081. APPARATUS FOR MAKING FILLETS. FREDERICK W. LOHR, New York, N. Y. Filed Jan. 11, 1922. Serial No. 528,553. 11 Claims. (Cl. 164-61.)



1. In apparatus for making flexible fillets, the combination of means for holding a piece of flexible material, means for cutting the piece into strips and for concaving the edges of the strips, and means for simultaneously imparting an advance movement to one of said means.

1,517,082. CASTER AND METHOD OF MAKING SAME. WILLIAM H. McALLISTER, Linden, Pa. Filed Aug. 16, 1921. Serial No. 492,837. 5 Claims. (Cl. 16-19.)



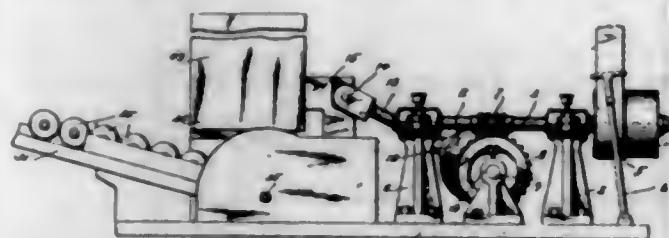
1. A caster comprising a post having approximately parallel sides, a yoke slidable vertically upon the post and provided with a fixed firing pin, a cartridge barrel coupled to one end of the cylinder and toward which the plunger is normally urged, means including a horizontally swinging catch for releasably holding the plunger in retracted position and adapted to be swung in either direction for releasing the same from the plunger, and means including a bait holding rod for operating said catch, said bait holding rod having bait holding means in front of the barrel.

1,517,083. CASTER. WILLIAM H. McALLISTER, Linden, Pa. Filed May 17, 1922. Serial No. 561,655. 6 Claims. (Cl. 16-19.)



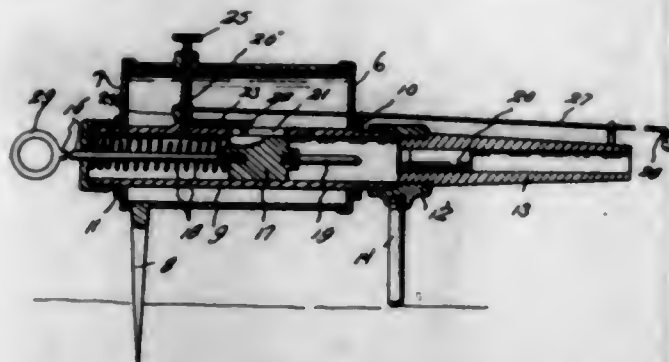
1. A caster comprising a rigid post having a vertical slot therethrough, a yoke having an attenuated portion extending through the vertical slot, and shoulders carried by the yoke member engaging the post member upon its opposite sides.

1,517,084. SPUR-FORMING MACHINE. OSCAR W. McKNIGHT, Columbus, Ohio, assignor to The Brunt Tile and Porcelain Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 4, 1921. Serial No. 489,703. 18 Claims. (Cl. 10-1.)



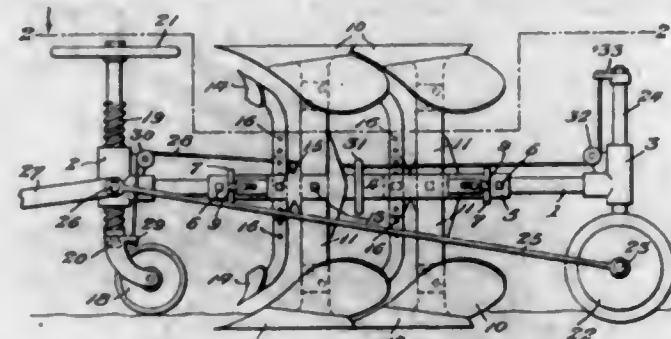
11. In a spur forming machine, a movable die structure including a pair of oscillatory die members, an inclined table capable of receiving a plurality of insulator knobs having centrally disposed fastening devices passing therethrough, means for successively presenting the securing devices of each of said knobs to the action of said die members, whereby spurs will be produced upon said devices, said die members serving to frictionally grip said devices during the spur forming operation, whereby the knobs will be caused to travel in unison with said die structure upon the return of the latter to an initial position, and a stripping device capable of engaging a portion of said knobs to release the latter from engagement with said die members.

1,517,085. TRAP GUN. STEVEN A. MARTINEK, Rossville, Kans. Filed Nov. 22, 1923. Serial No. 676,345. 5 Claims. (Cl. 43-84.)



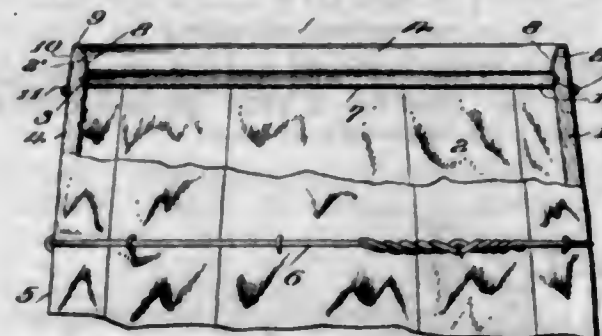
1. In a trap gun of the character described, a cylinder having a spring pressed plunger slidably mounted therein and provided with a fixed firing pin, a cartridge barrel coupled to one end of the cylinder and toward which the plunger is normally urged, means including a horizontally swinging catch for releasably holding the plunger in retracted position and adapted to be swung in either direction for releasing the same from the plunger, and means including a bait holding rod for operating said catch, said bait holding rod having bait holding means in front of the barrel.

1,517,086. PLOW. JOHN C. MATTICE, Naples, N. Y., assignor to Henry J. Neufang, Atlanta, N. Y. Filed Jan. 7, 1922. Serial No. 527,632. 3 Claims. (Cl. 97-26.)



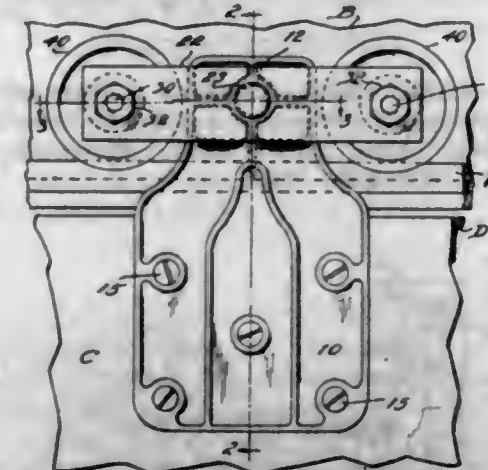
1. A reversible plow including a frame, a sleeve rotatably mounted thereon, and having openings therein, sleeve.

1,517,087. METALLIC HEAD FOR WOODEN KEGS AND THE LIKE. GEORGE EUGENE MITTINGER, Cleveland, Ohio. Filed Jan. 25, 1924. Serial No. 688,431. 2 Claims. (Cl. 217-76.)



1. The improved process of applying a metal cover to a keg, which consists in providing a keg with an annular groove in its inner side adjacent one end, providing a metal cover with an inverted U-shaped periphery with its inner wall substantially straight, applying the said cover to the end of the keg, and then expanding the inner vertical wall outward into the said annular groove and thus tightly clamping the head to the keg.

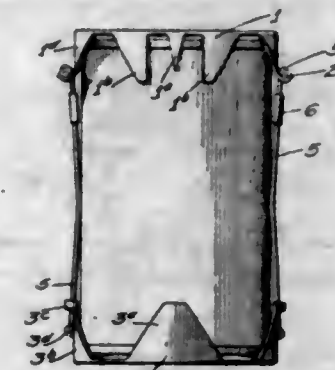
1,517,088. DOOR HANGER. EDWARD Y. MOORE, Cleveland, Ohio. Filed Dec. 9, 1922. Serial No. 605,777. 2 Claims. (Cl. 16-97.)



1. In a door hanger, the combination of a hanger frame adapted to be secured to a door and having an upward extension with an opening in it, a removable pivot pin mounted in said opening, a pair of bars on opposite sides of said extension having openings into which the pivot pin removably extends, and a pair of wheels carried by said bars on opposite sides of said pivot pin, the axis of the pivot pin being located a short distance out of the plane in which the axes of the wheels lie, whereby the bars may be reversed and thereby compensate for wear on the track.

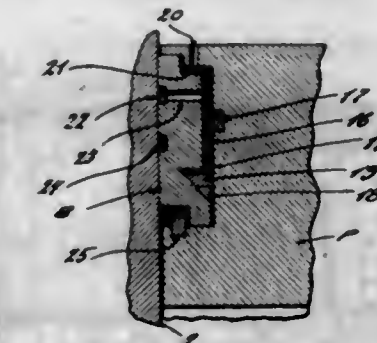
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1,517,089. COMBINED MILK CAN OPENING AND SEALING DEVICE. THOMAS F. MOORE, East San Diego, Calif. Filed Feb. 16, 1923. Serial No. 619,334. 7 Claims. (Cl. 220-51.)



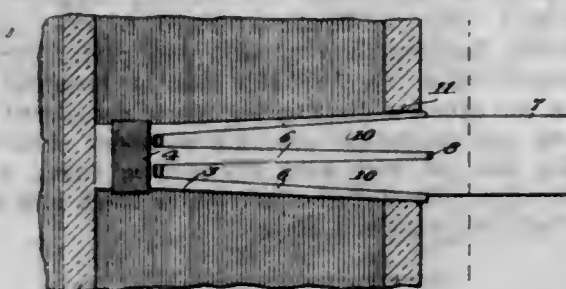
1. A device of the class described, including a cover member provided with a puncturing lug at its edge extending downwardly, and other portions extending downwardly provided with hook engaging portions, a bottom member provided with upwardly extending lugs and hook members secured to said bottom member and adapted to engage the hook engaging portions on said cover member.

1,517,090. PACKING RING. GEORGE F. MOORS, Webster Groves, Mo., assignor to The Recip-Roto Engine Company, St. Louis, Mo., a Corporation of Delaware. Filed July 1, 1921. Serial No. 481,768. 28 Claims. (Cl. 74-109.)



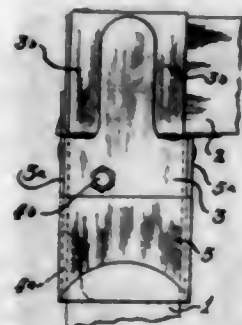
1. A packing ring comprising an endless ring member having a friction face on one of its sides, and yielding means associated with said endless ring member to engage said friction face with its seat, said yielding means including a resilient packing ring member whereby lateral pressure is imparted to said endless ring member.

1,517,091. WALL PLUG. GEORGE MURRAY, Bayville, N. Y., assignor to Claudius Wansor, Hempstead, Long Island, N. Y. Filed Dec. 13, 1922. Serial No. 606,652. 4 Claims. (Cl. 72-105.)



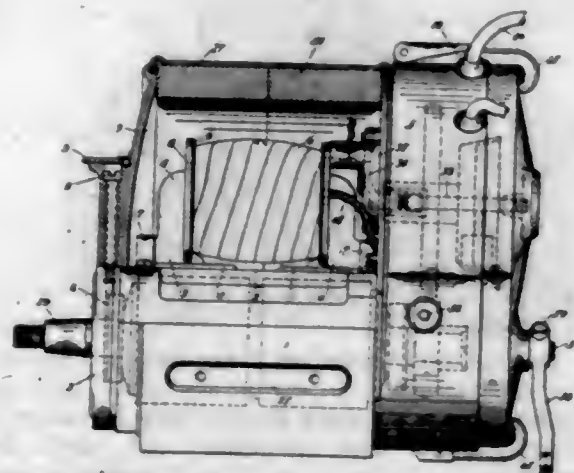
4. A wall plug comprising a base member having a butt end arranged to form an end bearing, and a plurality of spaced tapered tongues projecting longitudinally from said butt end and a head member having a plurality of tapered tongues arranged to be driven in wedging engagement between the tongues of the base member.

1,517,092. CLAMP. FRANK L. NANTZ, Waukegan, Ill. Filed Jan. 11, 1924. Serial No. 685,631. 5 Claims. (Cl. 20-92.)



1. A clamp comprising a member having an open faced socket adapted for receiving a member, a rotatable member for closing the open face of said socket, and a gripping member pivoted in overlapping relation with the first member and having gripping parts extending into said socket.

1,517,093. MAGNETO-ELECTRIC GENERATOR. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Original application filed Mar. 12, 1920, Serial No. 365,305. Divided and this application filed Apr. 7, 1923. Serial No. 630,425. 6 Claims. (Cl. 123-149.)



1. In a magneto electric generator of the class described, a base structure forming a housing carrying a rotor therein and having a pair of pole pieces fixed in tandem in the top of the housing and forming a part thereof, a coil structure carried on said pole pieces with means including said rotor for shifting magnetic flux through said coil, end plates attached to the opposite ends of said housing, one of said end plates carrying a distributor block on one side and a terminal connector on the other, a distributing finger associated with said block, said connector carrying members electrically connecting the coil with said distributing finger, and a cover plate for enclosing the distributor block and finger within itself and said end plate.

1,517,094. LUGGAGE RACK. MAURICE F. NUDELMAN, Portland, Oreg. Filed Oct. 28, 1922. Serial No. 597,658. 1 Claim. (Cl. 224-29.)

In a rack; end stanchions; longitudinal horizontal bars secured to said end stanchions; an intermediate stanchion secured to the ends of those of said bars that are secured to one of said end stanchions, and

having slots therein through which those of said bars secured to the other of said stanchions are slidable; loop members embracing certain of said bars intermediate

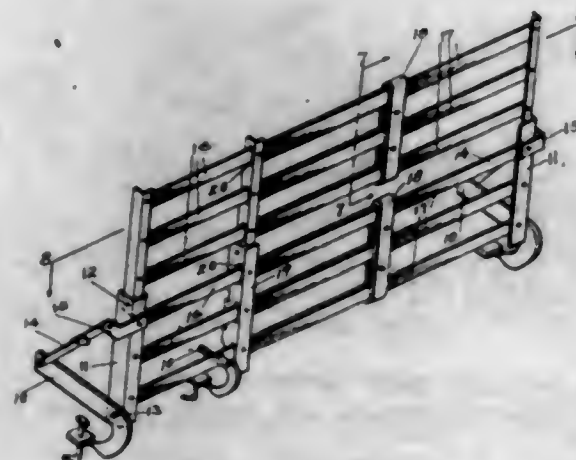
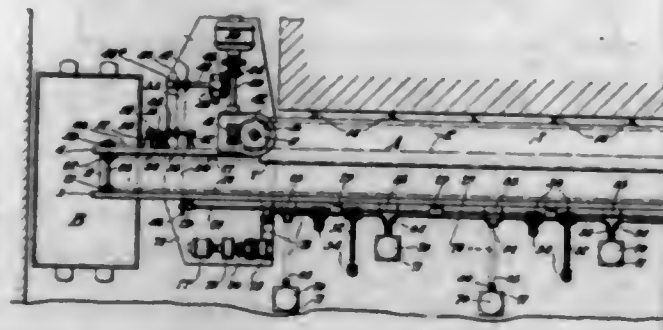


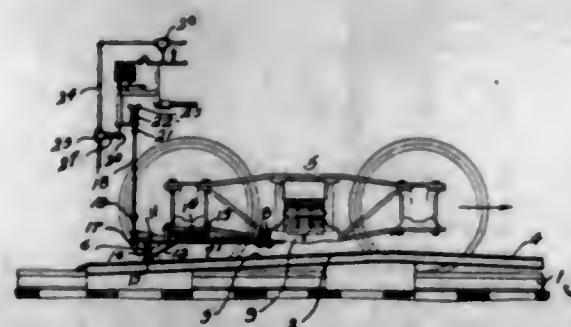
plate said intermediate stanchion and one of said end stanchions to preserve the relations of the embraced bars; and clamps supporting said stanchions.

1,517,095. MINING APPARATUS. EDWARD O'TOOLE, Gary, W. Va. Filed Dec. 6, 1922. Serial No. 678,863. 4 Claims. (Cl. 262-30.)



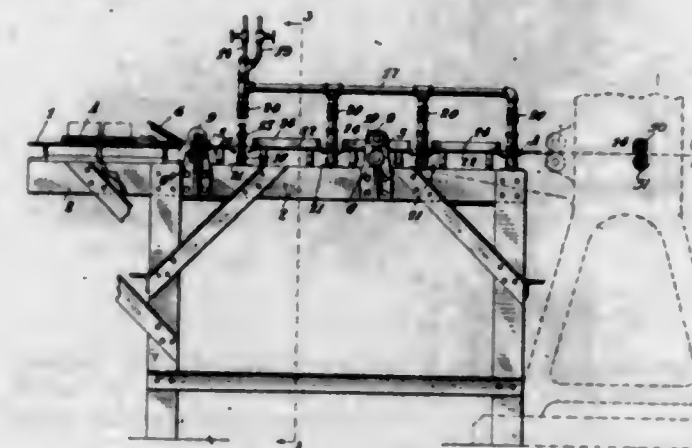
1. The combination with a mining machine and a plurality of movable roof supports located to the rear of said machine, of means on said machine adapted to be detachably secured to selected ones of said supports for moving said supports toward said machine.

1,517,096. RAMP SHOE. CHARLES A. PARKER, Haugan, Mont., assignor to Western Automatic Company, Spokane, Wash. Filed Mar. 6, 1923. Serial No. 623,291. 5 Claims. (Cl. 246-181.)



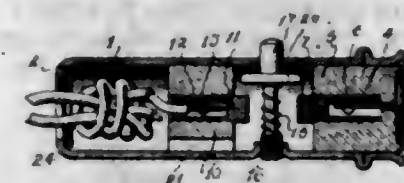
4. The combination with a resilient arm, of a movable ramp shoe and means for retaining said shoe in normal position with relation to said arm, a movable releasing element, an operative connection under tension between said ramp shoe and element, and means for adjusting the tension of said connection.

1,517,097. METHOD AND APPARATUS FOR TREATING PLATES PRIOR TO LACQUERING OR THE LIKE. ABRAHAM PODEL, Long Island City, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Jan. 11, 1923. Serial No. 611,972. 20 Claims. (Cl. 20-81.)



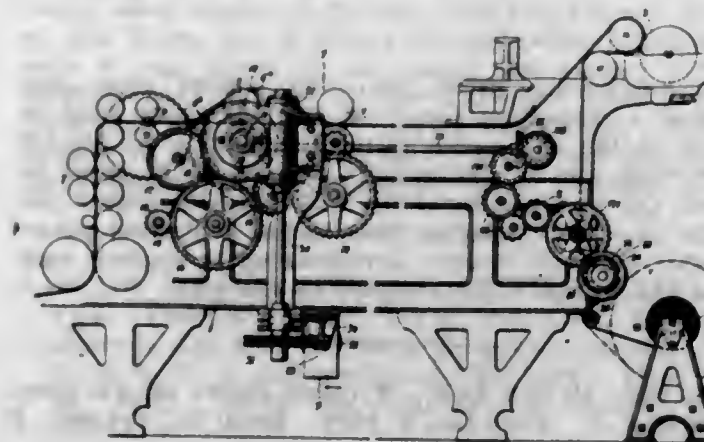
1. The method of treating tinned sheets, or the like, to remove deleterious material, which method comprises subjecting the surface of the sheet to a burning flame to volatilize or incinerate combustible materials on the surface of the sheet to produce granular materials, and then removing said granular materials from the sheet.

1,517,098. ELECTRIC CIGAR LIGHTER. EDWARD S. PRESTON, Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed May 26, 1924. Serial No. 715,915. 14 Claims. (Cl. 219-32.)



1. A cigar lighter comprising a frontal heating wire, a rearwardly extending heater terminal connected to one end of the heating wire, a wire terminal spaced from the heater terminal, a circuit connection to the other end of the heating wire, a plunger yieldingly mounted for movement transversely of the said terminals, and a contact member carried by the plunger and adapted to engage both terminals.

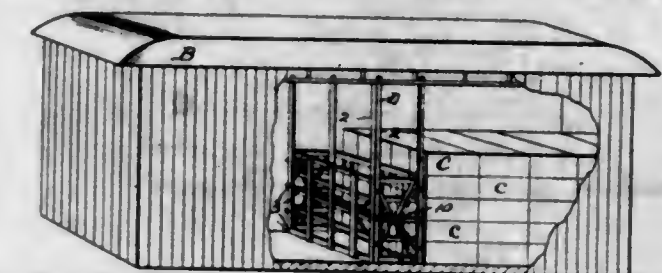
1,517,099. WEB CONTROLLER. TRUB M. AVERY, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, New York, N. Y., a Corporation of New York. Filed July 22, 1921. Serial No. 486,741. 20 Claims. (Cl. 271-2.6.)



1. A web controller comprising, in combination with web-advancing means, and a device operative on the web at predetermined intervals longitudinally thereof, a detector operative in response to variations in the speed

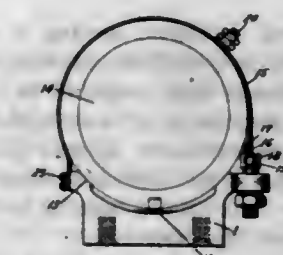
of the web relatively to the speed of operation of said device, and means including a motor operative in forward or reverse direction under control of the detector for increasing or decreasing the speed of the web relatively to the speed of operation of said device.

1,517,100. BRACE FOR HOLDING BOXES AND CRATES IN RAILWAY CARS. CHARLES BACON, Fresno, Calif. Filed June 15, 1922. Serial No. 568,576. 3 Claims. (Cl. 105-373.)



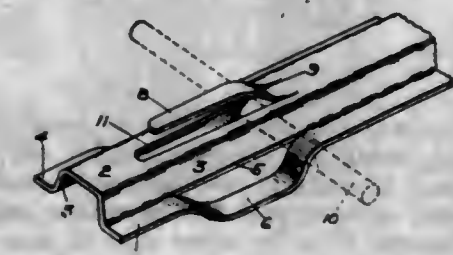
1. The combination with a box car of a partition and means for attaching said partition to the walls of the car consisting of rods pointed at one end each rod having a rack of cogs at the other end, said rods being arranged in slideways, attached to the partition, said slideways being positioned to permit the rods to move toward and beyond the periphery of the partition, and a cog wheel adapted to engage the cogs on all of the racks simultaneously, and to move said rods within the slideways, means for turning the cog wheel, and ratchet means for locking said cog wheels, substantially as described.

1,517,101. SUPPORT FOR ELECTRIC MACHINES. HENRY E. BORGER, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Aug. 30, 1920. Serial No. 407,070. 3 Claims. (Cl. 248-30.)



1. A rectangular shaped support comprising a metallic frame having one arcuate surface and a centering pin projecting from said arcuate surface, a single strap member associated with said frame and a plurality of means on each side of the centering pin and symmetrically disposed with respect thereto, for securing said strap member to said frame in any one of a plurality of positions.

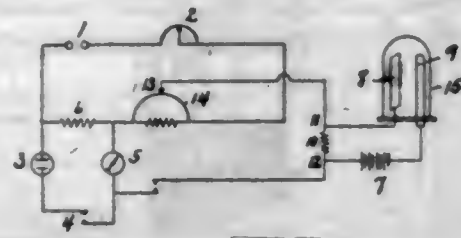
1,517,102. SPACING BAR. HARRY E. BRICKER, West View, Pa., assignor to National Metal Products Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 17, 1924. Serial No. 713,958. 2 Claims. (Cl. 72-122.)



1. A spacing bar for concrete reinforcement consisting of a sheet metal channel member having a flat middle web, sides and laterally extending flanges having integral portions severed from the sides and pressed down-

wardly providing longitudinal flat faced supporting shoes with depressed bearing portions parallel with the lateral flanges, and having partially severed holding tongues extending upwardly from the middle of the channel web.

1,517,103. PHOTO-ELECTRIC CELL. THEODORE WIL-
LARD CASE, Scipio, N. Y., assignor to Case Research
Laboratory Incorporated, Auburn, N. Y.; a Corporation
of New York. Filed Apr. 26, 1921. Serial No.
464,738. 3 Claims. (Cl. 250-34.)



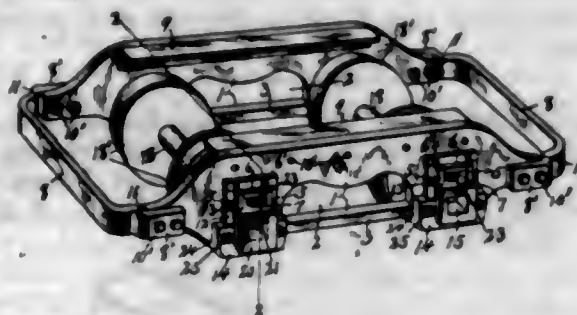
1. A photo-electric cell in which the light sensitive element is provided with a filter through which rays of light pass to reach the light sensitive element, said filter permitting the passage of light rays in proportion to the color sensitivity of the human eye.

1,517,104. EXTENDIBLE BRACELET. LEWIS S. CHIL-
SON, Attleboro, Mass., assignor to J. M. Fisher Co.,
Attleboro, Mass., a Corporation of Rhode Island.
Filed July 5, 1924. Serial No. 724,408. 3 Claims.
(Cl. 59-79.)



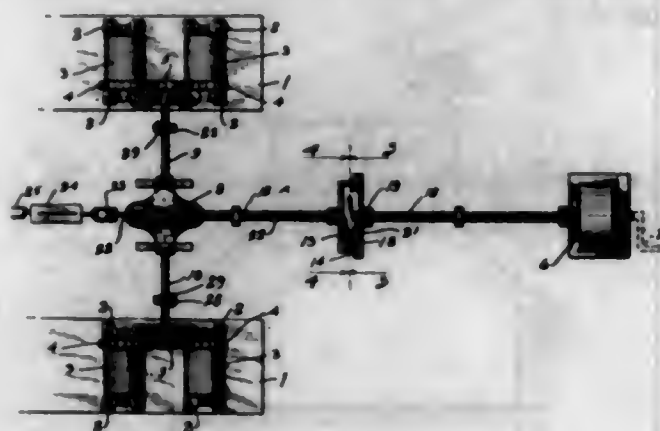
3. An extendible bracelet having a series of channel shaped links with a bendable connecting tongue at one end, a trough-shaped link slidable in each channel link having a spring abutment at one end, and a slot at its opposite end to receive said tongue of the channel link, a cover plate for said channel link having a spring abutment at one end and a spring acting between said abutments to close the links.

1,517,105. CAR TRUCK. EDMUND W. DEHLER and
MARY DEHLER, Syracuse, N. Y. Filed Feb. 5, 1924.
Serial No. 690,742. 4 Claims. (Cl. 105-206.)



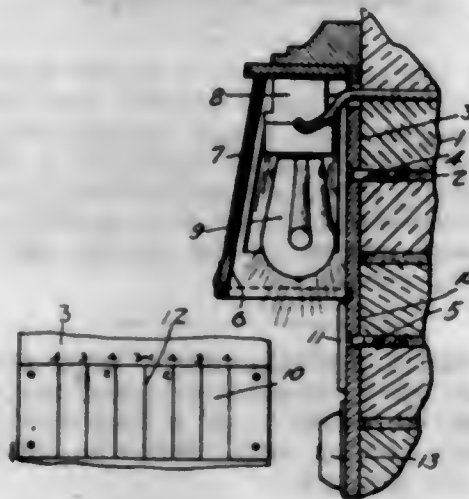
1. In a railway car truck, a frame comprising a pair of flat sheet metal side plates arranged edgewise vertically and each of uniform thickness throughout its area and provided with a pair of transverse openings extending upwardly from its lower edge at equal distances from its ends, in combination with journal boxes movable in said openings, and yokes extending across the undersides of the journal boxes and provided with slotted arms engaging the inner and outer faces of the plate at opposite ends of their respective openings.

1,517,106. BRAKE-TESTING MACHINE. PAUL J.
DONAVAN, Cleveland, Ohio, assignor to Henrietta H.
Donavan. Filed Dec. 10, 1923. Serial No. 679,549.
6 Claims. (Cl. 265-24.)



1. A testing machine for automobiles comprising in combination two pairs of aligned parallel rollers, each pair adapted to support an automobile wheel and to rotate the same, a source of power, means connecting said source of power to the rollers for the purpose of rotating the same in the same direction, a dynamometer in the driving connection between the source of power and the rollers and means for detachably connecting either one of the pairs of rollers to the source of power independently of the other.

1,517,107. COMBINATION PORCH LIGHT AND NUM-
BER PLATE. WILLIAM DOUGLAS, Toronto, Ontario,
Canada. Filed Feb. 26, 1924. Serial No. 695,839. 1
Claim. (Cl. 40-131.)

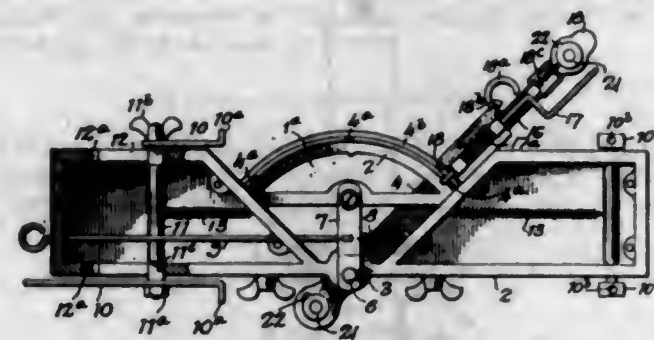


A combination porch light and number plate comprising a supporting panel, an open bottomed hood secured to the panel and adapted to contain an electric light bulb, and a number plate secured to the panel beneath the open bottom of the hood provided with a plurality of vertical spacing lines having indicating figures located adjacent thereto corresponding to various numbers and figures to be attached to the plate.

1,517,108. MITER BOX. WILLIAM HENRY DRAKE, Ashe-
ville, N. C. Filed Dec. 2, 1922. Serial No. 604,586. 8
Claims. (Cl. 143-89.)

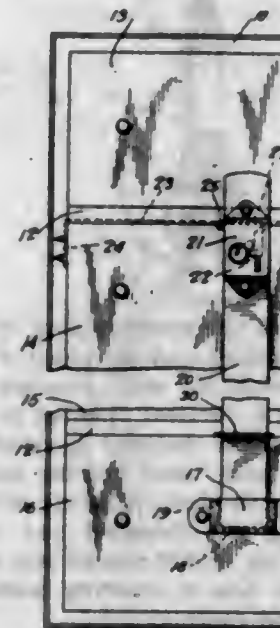
1. A mitering device, including an arcuate support, a saw carriage pivotally mounted upon said arcuate support adjacent one end thereof, and provided with openings at its terminals, an opening in said saw carriage adapted to

disclose indicia on the arcuate support, said saw carriage also having lateral reinforcing enlargements substantially centrally thereof adapted to be received by



recesses provided in the arcuate support, standards received by said carriage openings, and upper-end-chambered saw-receiving members.

1,517,109. SAFETY LOCK FOR DRAWERS. SAM FICH-
MAN, New York, N. Y., assignor to Max Baron, New
York, N. Y. Filed Apr. 13, 1922. Serial No. 552,295.
3 Claims. (Cl. 45-94.)

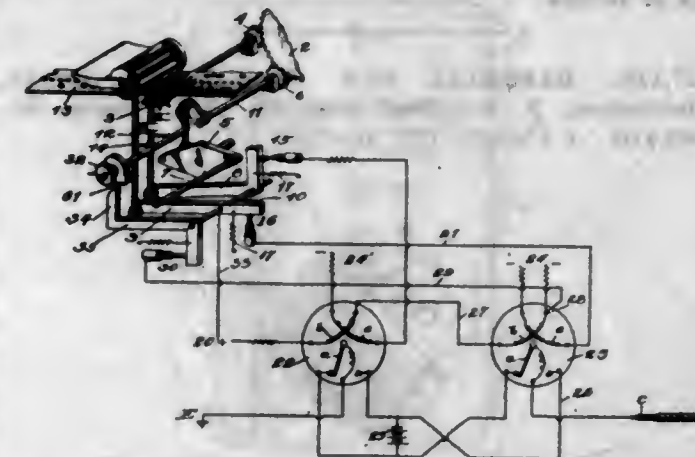


1. A lock for drawers arranged in a vertical row and having fixed partitions therebetween, comprising a socket fixed on the front of the lowermost drawer, a spring having opposed curved ends secured in said socket, a plate carried by the uppermost of said partitions, a raised offset keeper bar integral with said plate, a detent on said keeper bar, a locking bar engageable between the ends of said spring in the socket, said locking bar extending past the edge of the uppermost drawer when erect, and a lock on said locking bar having a lateral opening to receive and conceal the keeper bar and within which the said detent is engaged by the lock bolt.

1,517,110. TELEGRAPH-TRANSMITTING APPARA-
TUS. THOMAS FRANCIS FOLEY, Brooklyn, N. Y., as-
signor to The Western Union Telegraph Company, New
York, N. Y., a Corporation of New York. Filed May
13, 1922. Serial No. 560,708. 2 Claims. (Cl.
178-17.)

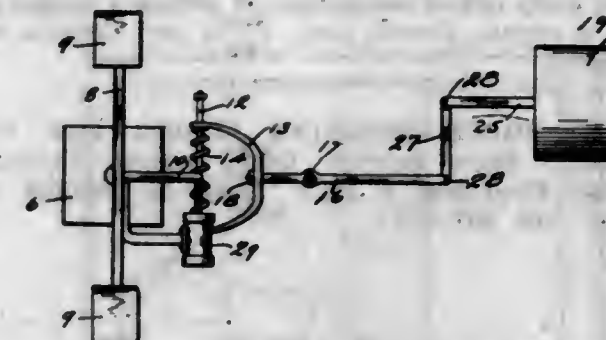
1. An automatic telegraph transmitter, comprising automatic contact making mechanism having selecting means cooperating with a perforated message strip for determining the character of a transmitted current impulse, transmitting relays having their energizing coils

controlled by said selecting means, said relays having biasing coils operating counted to said energizing coils, and adjustable means actuated by said mechanism to



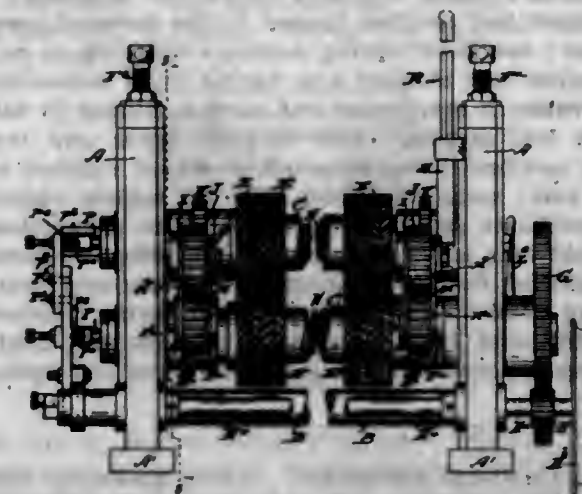
render said biasing coils effective after the lapse of any desired interval from the operation of the energizing coils.

1,517,111. GRAVITY-OPERATED HEADLIGHT. BYRON
B. FOULKROD, Kane, Pa. Filed Oct. 11, 1923. Serial
No. 667,866. 3 Claims. (Cl. 240-62.)



1. A device of the character described comprising a pair or weights, a crossarm carrying one weight on each end thereof, means for pivotally supporting the crossarm intermediate its ends, a plurality of levers, an L-shaped connecting rod movable with said crossarm for operating said levers, a headlight connected to the last of said levers, and means for normally retaining the weights in a level position.

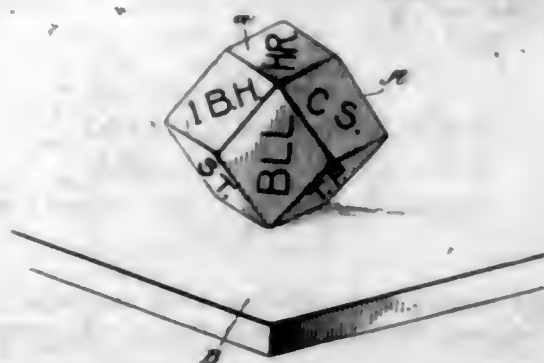
1,517,112. MACHINE FOR EMBOSsing AND PLAIT-
ING TEXTILE AND OTHER FABRICS. MAX K.
GOLDEN, Detroit, Mich., assignor to David Schuff, De-
troit, Mich. Filed Jan. 9, 1924. Serial No. 685,242.
9 Claims. (Cl. 101-27.)



1. In a machine of the character described, a pair of shafts suitably journaled, a plurality of embossing discs or rollers keyed to the respective shafts and arranged in

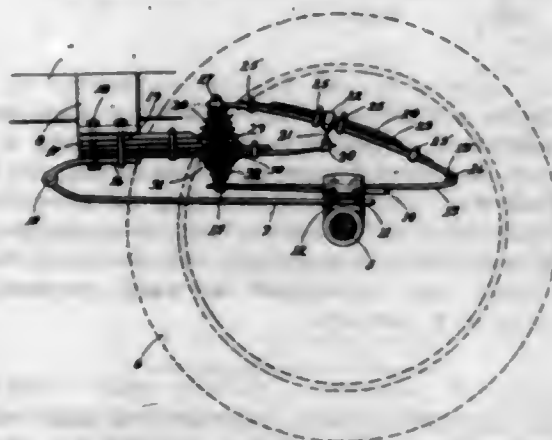
sets and removable to change the design, each set of discs or rollers having embossing surfaces adapted to articulate when rotated, and means for heating said embossing discs or rollers.

1,517,113. BASEBALL DIE. LAWSON W. GREENE, Mooresboro, N. C. Filed Sept. 13, 1923. Serial No. 662,410. 1 Claim. (Cl. 46—56.)



A device for use in playing an imaginary game of baseball consisting of a single die in the form of a rhombic dodecahedron having twelve similar faces, on each and every one of which faces is formed a symbol to indicate a certain definite play, all of said symbols being different.

1,517,114. SHOCK-ABSORBING SPRING FOR VEHICLES. DEAN HAWLEY GREY, Athens, Ontario, Canada. Filed Sept. 5, 1922. Serial No. 586,298. 3 Claims. (Cl. 267—17.)

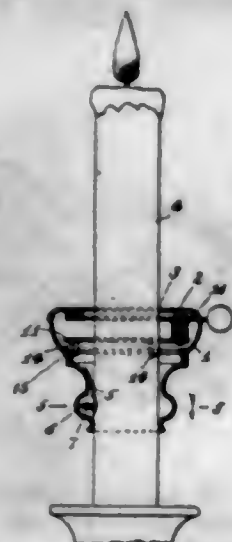


1. A shock absorbing spring structure comprising overlapping forward lower and rear lower leaf members; a forward upper leaf member hinged to the forward lower leaf member; cantilever spring members mounted on said forward upper leaf member and having rigid connection with the frame; a rear upper leaf member hinged to said rear lower leaf member; said forward lower and rear lower leaf members being mounted in spaced relation on a vehicle axle; means for mounting the vehicle chassis on said cantilever spring members; resilient connections between said rear lower leaf member and said cantilever spring members; resilient connections between said cantilever spring members and said rear upper spring member; and an additional loose connection between said cantilever leaf spring members and said rear upper leaf spring member.

1,517,115. CANDLE SNUFFER. OSCAR HANDLER, New York, N. Y. Filed Jan. 16, 1924. Serial No. 686,576. 2 Claims. (Cl. 67—24.)

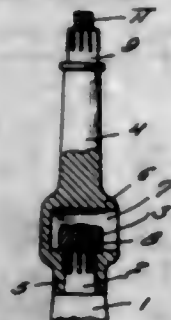
1. A candle snuffer of the character described, comprising a casing adapted to be positioned on a candle, a

removable ring in the casing, upwardly projecting pins on the ring, snuffing blades pivotally supported on the pins,



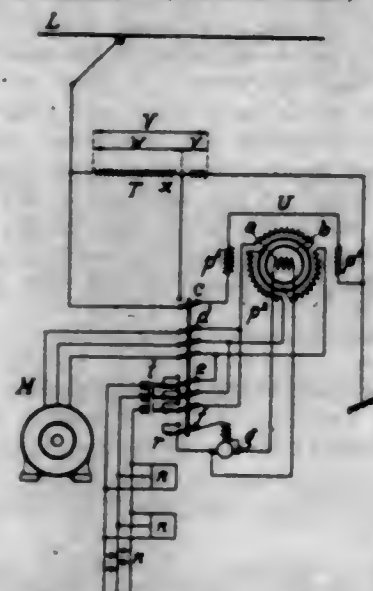
springs on the pins tending to force said blades together, and handles on the blades projecting outside of the casing.

1,517,116. STEERING-POST EXTENSION FOR TRACTORS. HENRY JOSEPH HANK, Henry, Ill. Filed June 4, 1924. Serial No. 717,758. 1 Claim. (Cl. 74—39.)



In combination with the steering post of a tractor having its upper end reduced and provided with a threaded extension, an extension for said steering post comprising a casting having a vertical opening in the lower end thereof for receiving the reduced portion of the upper end of the steering post, said casting having a lateral opening provided therein for operating with the vertical opening for receiving the threaded end of the steering post, a nut threaded on said threaded end and disposed in said lateral opening, and a steering wheel mounted on the upper end of said casting.

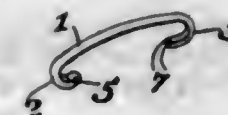
1,517,117. PHASE CONVERTER. KALMAN V. KANDÓ, Budapest, Hungary. Filed Sept. 17, 1920. Serial No. 411,014. 6 Claims. (Cl. 172—238.)



1. In combination with a rotary phase-converter of the asynchronous type, a primary circuit, a secondary circuit, an electric motor, switches to switch the said

motor into the said secondary circuit, a branch circuit derived from the secondary circuit of the phase-converter with lower pressure than the secondary terminal pressure of the phase-converter, means to increase the self-induction of the said primary circuit and to keep unaltered the pressure of the said branch circuit at the switching off of the motor.

1,517,118. METAL SHOE FASTENER. ORVILLE H. LAWRENCE, Canoto, Ontario, Canada. Filed Mar. 24, 1923. Serial No. 627,310. 2 Claims. (Cl. 24—73.)



2. An improved shoe fastener comprising a rigid wire bent into arcuate form to form a body and having its ends bent inwardly one of said ends beveled in a plane perpendicular to that of the fastener and the other end provided with laterally spaced prongs inwardly directed bent under and toward the body.

1,517,119. FENCEPOST. HENRY LUHRING, Lakeview, S. Dak. Filed May 24, 1921. Serial No. 472,087. 1 Claim. (Cl. 189—27.)

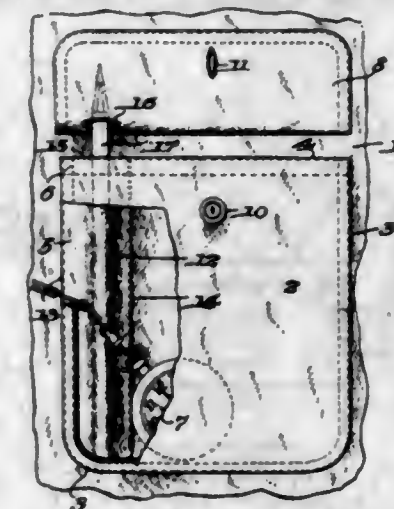


A fence post comprising an elongated body which is X-shaped in transverse section to provide laterally extending flanges, sundry of the flanges being provided with openings for the reception of the wire, and a block having a wedge-shaped head applied to the sides of adjacent flanges of the body, said block having a medially disposed plate portion which projects beyond the wedge-shaped head and which is beveled downwardly at its under edge and at its outer end portion.

1,517,120. POCKET. JOHN I. McDONALD, St. Joseph, Mo. Filed Nov. 5, 1923. Serial No. 672,771. 2 Claims. (Cl. 2—253.)

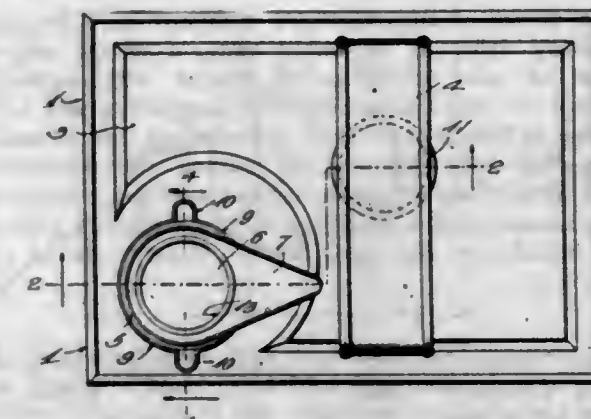
1. A pocket having a side opening at one edge and provided with an interior scabbard pocket which is nar-

row relatively to the width of said pocket, said scabbard pocket being located at the same edge as said side opening.



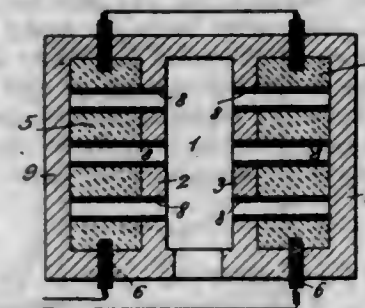
ing so that an article introduced into said scabbard pocket will have a closing or sealing effect on said side opening.

1,517,121. LIQUID-HOLDING CAN. STEPHEN W. MILLIGAN, Newark, N. J., assignor to The Manufacturers Can Co., Harrison, N. J. Filed Jan. 22, 1924. Serial No. 687,841. 4 Claims. (Cl. 221—11.)



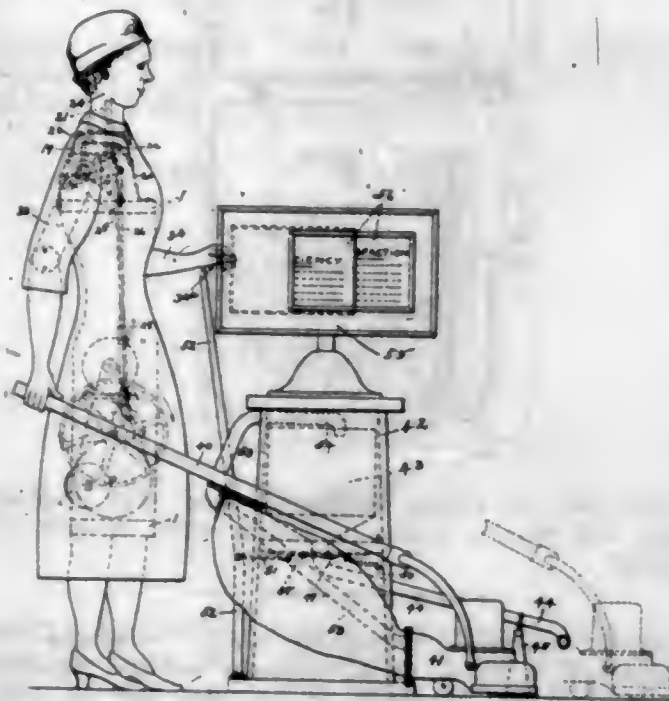
2. The combination with a screw-cap having a threaded flange and a swiveled pouring spout; of a metal band secured around said flange to reinforce the same and bent outwardly into U-shape at intervals to provide finger-grips for turning the cap and for holding it against turning when adjusting the spout.

1,517,122. ELECTRIC FURNACE. ARTURO PAOLONI, Baden, Switzerland, assignor, by mesne assignments, to The Firma Motor-Columbus Aktiengesellschaft für Elektrische Unternehmungen, Baden, Switzerland. Filed Feb. 8, 1921. Serial No. 443,406. 5 Claims. (Cl. 204—64.)



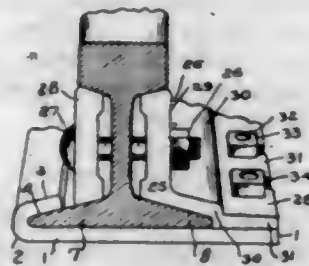
4. In an electric furnace having a heating chamber, a resistor solely acting as heat producer, an infusible heat conducting wall separating said resistor from said heating chamber, and horizontally arranged pipes of carbonaceous material passing through said walls for increasing the transmission of heat from the resistor to the chamber.

1,517,123. ADVERTISING AND DEMONSTRATING NOVELTY. HARRY PARK, Portland, Oreg. Filed Dec. 27, 1920. Serial No. 433,337. 4 Claims. (Cl. 40-126.)



1. In a device of the character referred to, a two-part shaft having arms at its outer ends, a crank arm on each part of said shaft, motor means with operative connections to said crank arms for oscillating the same, and means interposed in said connections for intermittently moving said crank arms during the continuous operation of said motor driven means, and the representation of a human figure enclosing said mechanism and the arms of which are the arms on the outer ends of said shaft.

1,517,124. RAIL JOINT. CHARLES PASCAL, Montreal, Quebec, Canada. Filed Sept. 17, 1923. Serial No. 603,172. 1 Claim. (Cl. 238-210.)

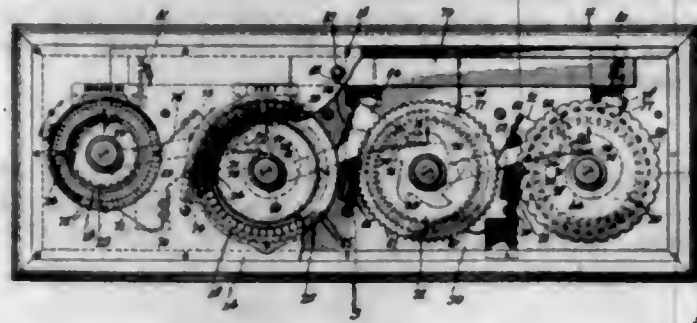


In a rail joint, a joint base having an upwardly and inwardly extending flange along one side forming a rail base recess, and a joint plate having a flange adapted to extend over the bases of the rails and offset downwardly to form an abutment for the rail bases and slotted inwardly to form bolt slots registering with holes in said joint base, and adapted to be secured to the latter by bolts and nuts and a cooperating joint plate.

1,517,125. ADDING MACHINE. RALPH CLIFTON PATTON, Providence, R. I., assignor to Precision Adding Machine Company, Charlotte, N. C., a Corporation of North Carolina. Filed June 20, 1924. Serial No. 721,320. 2 Claims. (Cl. 235-134.)

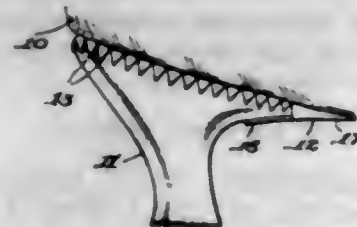
1. An adding machine comprising a casing having a cover with openings therein, discs rotatable in the casing beneath the openings, a cam movable with one disc, a transfer lever pivoting about the other disc and moved

by said cam, yieldable means for holding the transfer lever against the cam, a pawl on the transfer lever engaging the second disc, and a rocker adjustably and



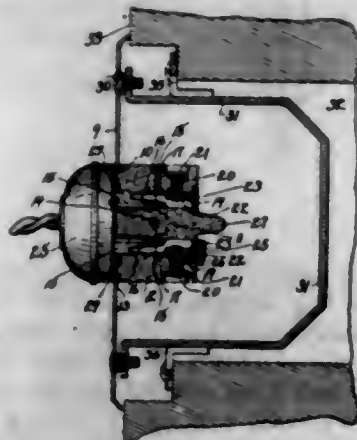
pivotaly mounted upon the end portion of said lever for engaging the cam whereby to shift the lever and pawl angularly with respect to the second disc.

1,517,126. HEEL FOR BOOTS AND SHOES. CHRISTIAN P. PAULSEN, Seattle, Wash. Filed Nov. 28, 1922. Serial No. 603,788. 2 Claims. (Cl. 36-34.)



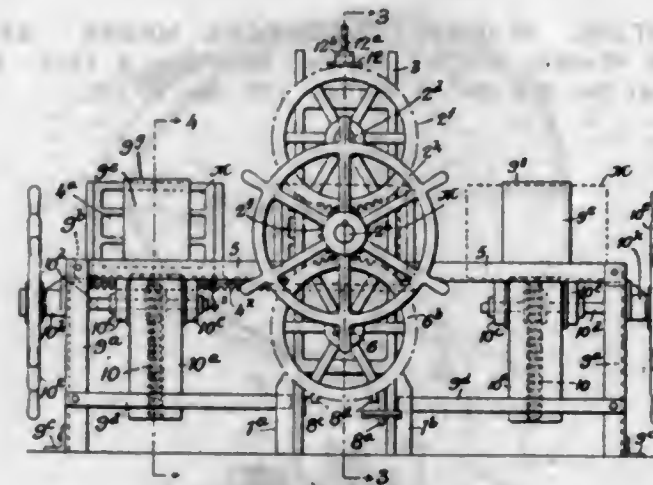
1. Shoe heel attaching means, comprising a plate having means of attachment to the heel portion of a shoe and marginal downwardly bent extensions adapted to grip the sides and rear of the upper edge of the shoe heel, said plate having a forward extension beyond the breast of the heel having means of attachment also to the heel portion of the shoe, and reversely bent hooked projection extending beneath the forward projecting upper extension of the breast of the shoe heel.

1,517,127. PUSH-TYPE FLUSH RECEPTACLE FOR ELECTRIC INSTALLATION. ADOLPH C. RECKER, Oakville, and HERBERT C. CADY, Waterbury, Conn., assignors to The Chase Companies Inc., Waterbury, Conn., a Corporation. Filed Nov. 5, 1920. Serial No. 421,918. 3 Claims. (Cl. 173-330.)



1. A push-type flush receptacle for electric installation, having a receptacle-plate formed with an opening, two oppositely-located mounting-arms extending rearwardly from the edges of the said opening at a right angle to the plane of the said plate, an insulating-block inserted between the said arms and formed with a transverse hole, and means passing through the said arms and through the said hole for securing the block to the plate in line with the said opening therein.

1,517,128. CONCRETE-BLOCK-MAKING MACHINE. WILLIAM ROBERTSON, Los Angeles, Calif., assignor of one-third to Henry C. Shippee, Los Angeles, Calif., and one-third to Joseph H. Collins, Silver Lake, Calif. Filed June 20, 1922. Serial No. 569,582. 14 Claims. (Cl. 25-45.)



11. A mold for concrete blocks, comprising a hollow frame; a bar disposed longitudinally on the bottom of the frame; end forms detachably secured in the frame; core members in the frame resting on the bar between the end forms; means for spacing said cores; and a removable pallet in the bottom of the mold adapted to be lifted with the compressed block thereon from the mold.

1,517,129. HEDDLE. HENRY RUBEG, Jr., Weehawken, N. J. Filed July 14, 1922. Serial No. 575,075. 3 Claims. (Cl. 139-93.)

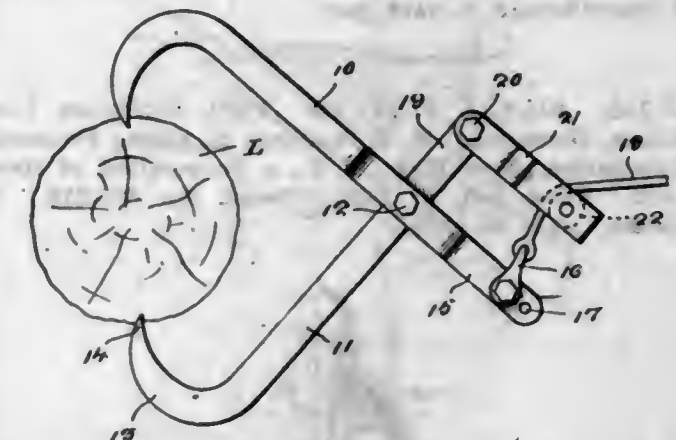


2. A heddle, comprising a pair of superimposed strips, each strip having a notch extending from one edge in a diagonal direction, with the bottom of the notch extending parallel to one of the side edges of the heddle whereby when the strips are held in a vertical position and superimposed, a vertical aperture will be presented for the reception of a warp thread.

1,517,130. LOG HOOK. CHARLES E. RUPPERT, Westminster, Md. Filed May 20, 1924. Serial No. 714,737. 1 Claim. (Cl. 294-106.)

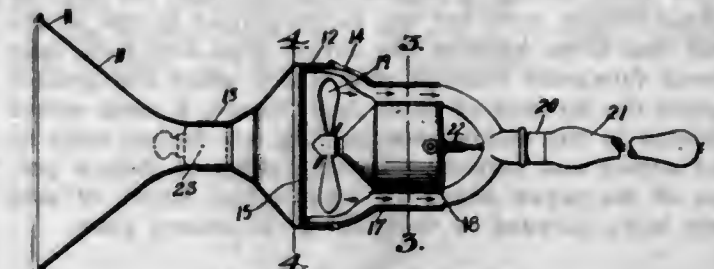
A pair of tongs comprising a pair of pivotally connected members, oppositely disposed inwardly extending engaging points at one end of said members, a cable

having one end secured to the opposite end of one of said members, a link having one end pivotally secured to the opposite end of the other member and a guide carried



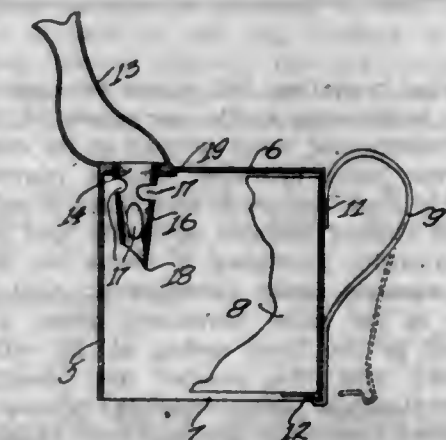
by the link for receiving the cable, whereby the engaging points of the members may be forced inwardly and a pull exerted centrally and longitudinally of the tongs.

1,517,131. DEVICE FOR CATCHING FLIES AND OTHER INSECTS. WILLIAM H. THOMPSON, Carthage, N. Y. Filed June 29, 1923. Serial No. 648,568. 5 Claims. (Cl. 43-139.)



1. In a device of the class described, the combination of a member having flared open ends and a restricted portion intermediate the flared ends, a screen mounted in one of said flared ends, and means mounted behind said screen for creating a vacuum through said member for drawing insects against said screen, and a removable plug for insertion in the restricted portion of said member for trapping the insects therein.

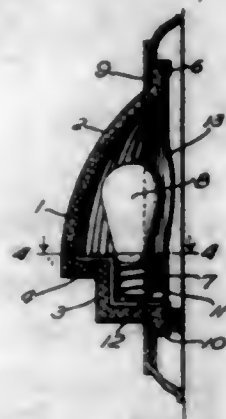
1,517,132. COMBINED CAN OPENER AND SPOUT. EDITH TIECK, Los Angeles, Calif. Filed Nov. 17, 1922. Serial No. 601,539. 1 Claim. (Cl. 65-61.)



In a device of the character described, the combination with a cylindrical member, a spout formed integral therewith, a port extending from said spout into said cylindrical member, a handle secured to said cylindrical member, said handle having a bent portion extending beneath said cylindrical member, said handle being mov-

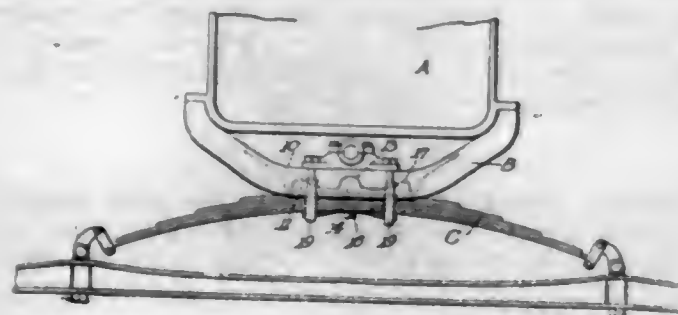
able so as to allow the entrance of a can within the cylindrical member and a cutting element positioned beneath said port, said cutting element having openings formed therein for the purpose of permitting fluid to pass therethrough to said port.

1,517,133. SIGNAL FIXTURE. PAUL SCHEYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 9, 1924. Serial No. 685,213. 7 Claims. (Cl. 40-136.)



1. A signal fixture comprising a hollow transparent arrow head having a hollow staff or stem portion, an opaque stencil plate cut out to accurately fit the arrow head and stem whereby the arrow head and stem may extend forwardly through said stencil plate and project beyond the forward or outer face thereof, a lamp socket mounted in the hollow stem portion, an electric lamp in said socket and extending up into the rear hollow portion of the arrow head, the longitudinal center of said lamp being forward of the face of the stencil plate.

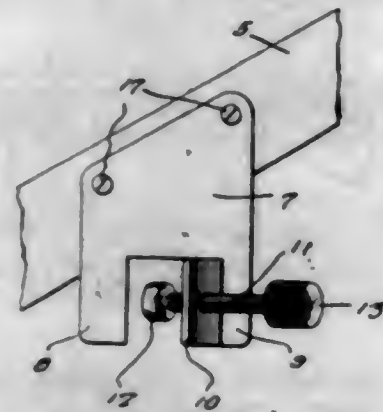
1,517,134. FRONT-SPRING MOUNTING. WALTER G. WADE, Roanoke, Va. Filed Sept. 27, 1921. Serial No. 503,510. 1 Claim. (Cl. 280-112.)



A front spring mounting for motor vehicles comprising a member conforming to the curvature of the front frame of the vehicle and being secured at its ends thereto, said member being provided with a centrally disposed recess and from the lower side edges of said recess the lower wall thereof inclines upwardly and is thence disposed downwardly providing a recess on each side thereof, said recesses being arranged at equal distances and normally in the same horizontal plane, an upper member carried by the front spring of the vehicle and being associated with the member first mentioned, a plurality of projections rising from the spring member and being formed thereon to accommodate themselves to the recesses, the intermediate of said projections being ball like in formation and extending above the upper ends of the end projections thereby providing a space between the end projections and the end recesses, a bolt passing through the intermediate projection and spring respectively, a leaf spring engaging the bottom of the vehicle spring and secured thereto through the medium of the

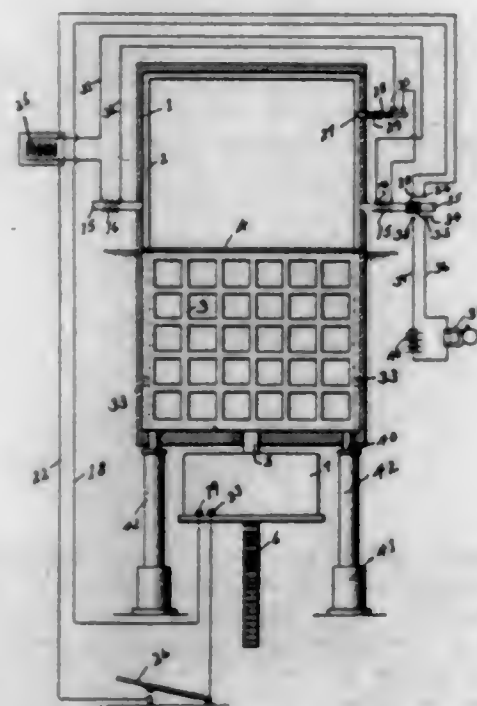
bolt, said leaf spring being adapted to assist in holding the body of the vehicle in a true upright position and a pair of U-shaped spring clips surrounding the front frame and spring and being engaged by the ends of the leaf spring in a manner to hold said spring clips in operative position.

1,517,135. WASHBOARD-HOLDING MEANS. ARTHUR W. WAGNER, Grafton, W. Va. Filed Dec. 4, 1923. Serial No. 678,465. 1 Claim. (Cl. 68-29.)



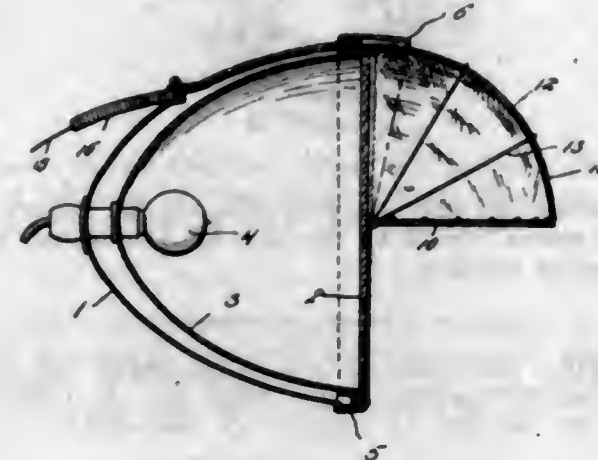
Wash board holding means comprising a substantially flat plate adapted to be attached to one of the side plates of the wash board, said plate having an ear struck out from its lower edge and bent to extend at right angles thereto, said ear being equipped with a screw threaded opening, and a clamping screw threaded through said opening.

1,517,136. BANK-PROTECTING DEVICE. ERIC WAGNER, Milwaukee, Wis. Filed Mar. 12, 1923. Serial No. 624,592. 5 Claims. (Cl. 268-2.)



1. In a device of the character described, the combination of a doorway, a sliding grating positioned beneath the doorway, means for raising said grating to close said doorway, a switch member adapted to be engaged by said grating when raised, and means to be operated by the movement of said switch member for locking said grating in a raised position.

1,517,137. GLARESHIELD. TIMOTHY W. WHIPPLE, Bonifay, Fla. Filed Apr. 8, 1924. Serial No. 705,028. 3 Claims. (Cl. 240-456.)



1. A glare shield adapted to be used upon a lamp comprising a ring adapted to be applied to the lamp, said ring being provided at its upper portion with a forwardly extending hood flange, a spring pressed strip hingedly connected with the ring, a flexible visor connected with the ring and the strip, pivotally mounted bows interposed between the ring and the strip and a flexible element disposed transversely of the visor and threaded through the bows and the ring and connected with the strip.

1,517,138. FLEXIBLE ELASTIC LINK FOR ANTI-SKID CHAINS. FRED WIKE, Mercer, Pa. Filed July 21, 1922. Serial No. 576,553. 2 Claims. (Cl. 267-74.)

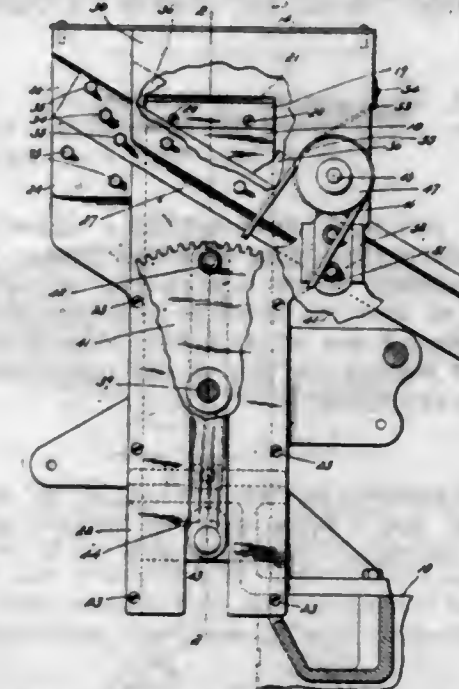


1. In a tensioning device for an antiskid chain for automobile tires, a link comprising two members each having at opposite ends an eye and a loop connected by a neck which forms a shoulder at its junction with the loop, the loops being interlinked and the members of the loop being twisted around each other, in combination with a coiled spring surrounding the interlinked loops and having its ends contracted about the necks of the said members and engaging the said shoulders which serve as stops for the ends of the spring.

1,517,139. HOPPER MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed July 1, 1921. Serial No. 481,847. 11 Claims. (Cl. 10-105.)

1. In a hopper mechanism for delivery of articles to a chute, a trough having one open side and a bottom which inclines toward said open side, with a recess in one wall adjacent to said open side, a slide vertically movable in said recess, a separable closure member

forming part of the chute and covering said recess, slide and open side, and providing a surface that is



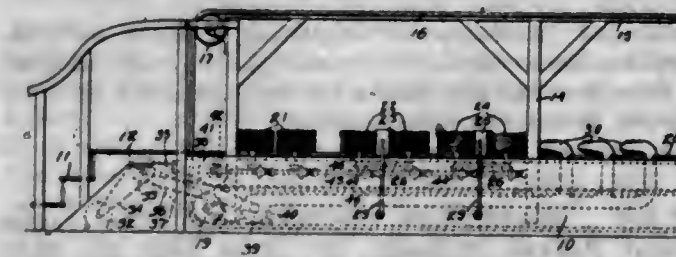
unjointed transversely, against which said slide is actuated and over the top of which blanks are delivered by said slide.

1,517,140. ANTIBUTTING HALTER. HARVEY E. YODER, Oyster Point, Va. Filed Aug. 6, 1924. Serial No. 730,454. 1 Claim. (Cl. 119-142.)



An antibutting halter of the class described comprising an elongated bar, curved arms extending laterally from the lower end thereof over the nose of an animal, the ends of said arms being provided with eyes, a substantially T-shaped member adjustably secured to the upper end of said bar, the arms of the T-shaped member extending over the forehead of the animal, spurs on the inner side of said arms, extensions formed on said arms, said extensions being disposed downwardly and rearwardly over the sides of the head of the animal, the ends of said extension being provided with eyes, a head strap secured to the eye portions of said extensions, a chin strap secured to the eye portions of the curved arms, cheek straps between the eye portions of the aforementioned curve arms, and the head straps, and a connection between the chin strap and the head strap.

1,517,141. SHOE SHINER. JAMES E. ADAMS, Memphis, Tenn. Filed Sept. 25, 1922. Serial No. 590,478. 9 Claims. (Cl. 15-34.)



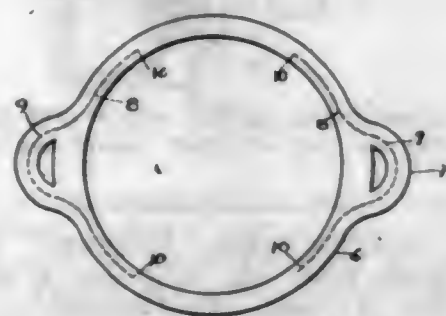
1. A shoe shining device comprising a traveling floor one or more series of brushes located alongside thereof to contact with shoes on the floor and a traveling hand-rail, substantially as set forth.

1,517,142. CIGARETTE HOLDER AND EXTINGUISHER. ARVEL D. ALLMAN, Blythedale, Mo. Filed Dec. 6, 1923. Serial No. 678,970. 2 Claims. (Cl. 131-51.)



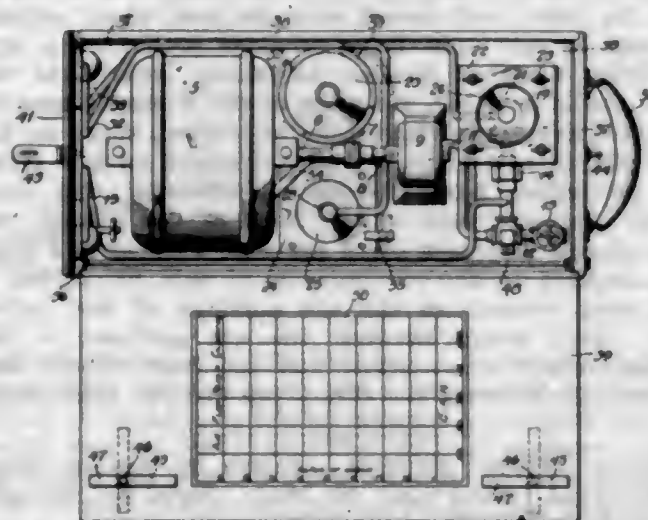
1. As an article of manufacture, a cigarette holder and extinguisher including a holder proper having a cigarette receiving socket, and a cap or extinguisher adapted to fit over the cigarette and engage exteriorly with the socketed end of the holder, thereby preventing a draft and causing the fire at the lighted end of the cigarette to extinguish.

1,517,143. FRUIT-JAR RING. GRACE E. ALMQUIST, La Porte, Tex. Filed Feb. 10, 1923. Serial No. 618,353. 1 Claim. (Cl. 215-37.)



A fruit jar ring consisting of an annular body of elastic material provided with integral diametrically disposed lips provided with concavo convex openings arranged therein, and reinforcing strips associated with the lips and with the annular body of the ring respectively.

1,517,144. DUST DETERMINATOR. FREDERICK PAUL ANDERSON, Lexington, Ky. Filed Mar. 24, 1923. Serial No. 627,516. 13 Claims. (Cl. 73-51.)

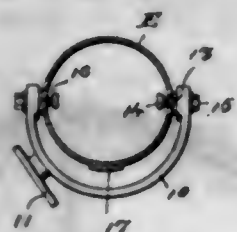


1. A dust determinator comprising a filter medium, means for maintaining a constant flow of air through said filter medium, and means for measuring the pressure difference across the filter medium.

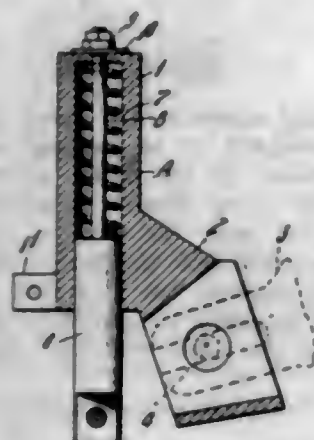
1,517,145. HEADLIGHT CONTROL DEVICE. JAMES VIRGIL BARKER, Hersman, Ill. Filed Sept. 17, 1923. Serial No. 663,263. 1 Claim. (Cl. 240-61.)

A headlamp mounting comprising a semicircular bracket equipped with an attaching foot and having the inner faces of the ends of its arms formed with concavities of

partially spherical form, a lamp within the bracket formed at opposite sides with partially spherical projections fitting within said concavities, pivot bolts passing through the lamp, the projection and the bracket, and spring means carried by the bolt for holding the parts frictionally together.



1,517,146. BICYCLE SHOCK ABSORBER. OTTIS G. BLOOM, Wilkes-Barre, Pa. Filed Feb. 4, 1924. Serial No. 690,629. 1 Claim. (Cl. 208-101.)



A shock absorber of the character described comprising a cylinder, an annular extension at the lower end of the cylinder formed with a socket to receive a prong of a bicycle frame, a piston in the cylinder and having a stem passing through the upper end of the cylinder, the upper end of the stem being threaded, a nut on said threaded end, a spring in the cylinder for holding the piston in its lowest position and the lower end of the piston, having an opening therein for receiving the axle of a bicycle and a perforated ear on the cylinder for receiving a brace of the bicycle.

1,517,147. GYMNASIUM APPARATUS. ALFRED E. BURNETT, Brooklyn, N. Y. Filed Jan. 17, 1924. Serial No. 696,846. 4 Claims. (Cl. 46-69.)

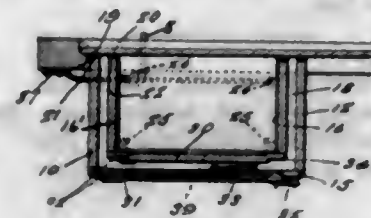


1. An exercising apparatus including a headgear, a plurality of attaching members carried by said headgear and arranged in pairs, the members of each pair being located at oppositely disposed points on said headgear, and an attaching element capable of being connected to a tensioning device and having means for connection to the attaching members of each of said pairs.

1,517,148. WINDOW REFRIGERATOR. WILLIAM G. CANFIELD, St. Louis, Mo. Filed Apr. 18, 1922. Serial No. 584,621. 2 Claims. (Cl. 45-104.)

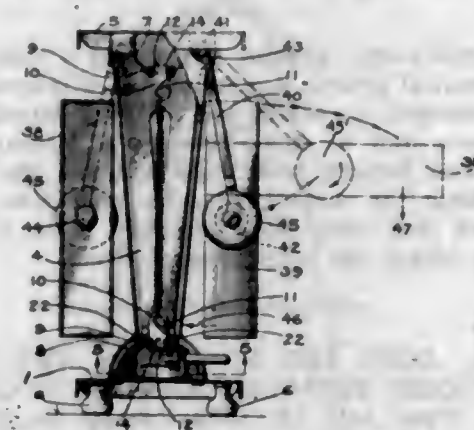
1. In a device of the class described, a receptacle formed with inner and outer spaced walls providing an

intermediate air chamber and an inner chamber having one open side, means for mounting the receptacle in contact with the glass of a window sash, the mounting



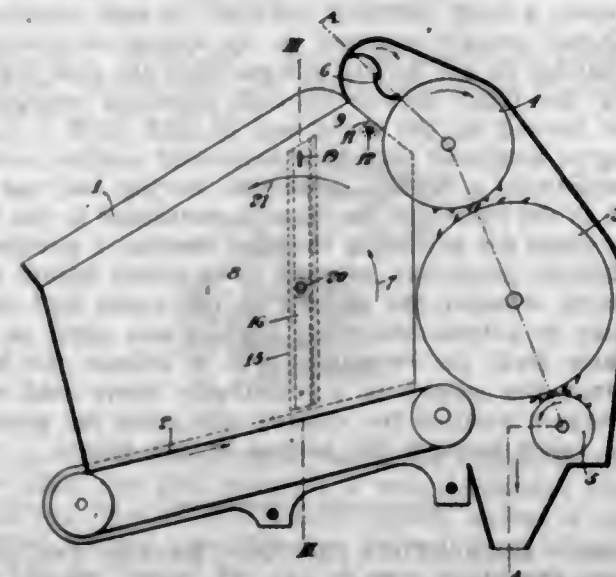
means including resilient devices and securing elements, one of which is tubular, for placing the inner air chamber in communication with the outside air.

1,517,149. ELECTRIC TOASTER. ANTHONY F. CIBS and ROBERT P. SIMMONS, Cleveland, Ohio; said Cibs assignor to said Simmons. Filed Dec. 19, 1923. Serial No. 681,599. 8 Claims. (Cl. 219-19.)



1. An electric toaster, comprising in combination a base member, a pair of vertical frame members, a top member joining the extremities of said vertical frame members, a heating element disposed between said vertical frame members, a bread rack disposed on either side of said heating element, each of said bread racks having a single extended arm connection only with an extremity of one of said vertical frame members.

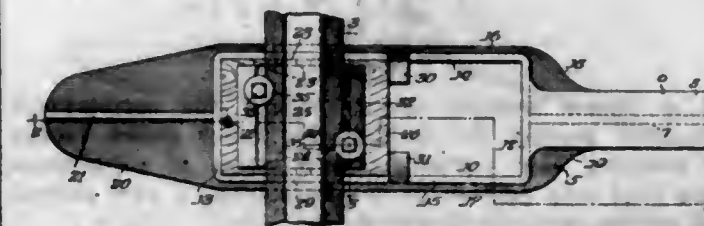
1,517,150. AUTOMATIC FEEDING DEVICE FOR TOBACCO AND SIMILAR SUBSTANCES. EMMET RUBEN DAHLSTRÖM, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a Corporation. Filed Oct. 23, 1922. Serial No. 596,438. 9 Claims. (Cl. 131-39.)



1. A feeding device for cut tobacco and similar substances, consisting of a box for receiving the tobacco, a roller in said box, said roller being adapted to catch the tobacco and to feed it out in uniform quantities,

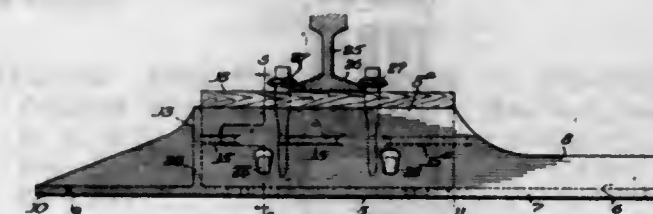
said box including a wall disposed substantially perpendicular to the axis of the roller and being resilient, and means for adjusting said wall to a more or less bulged shape.

1,517,151. RAILWAY TIE. JAMES CAREY DAVIS, Hinsdale, Ill. Filed Sept. 6, 1923. Serial No. 661,198. 51 Claims. (Cl. 238-286.)



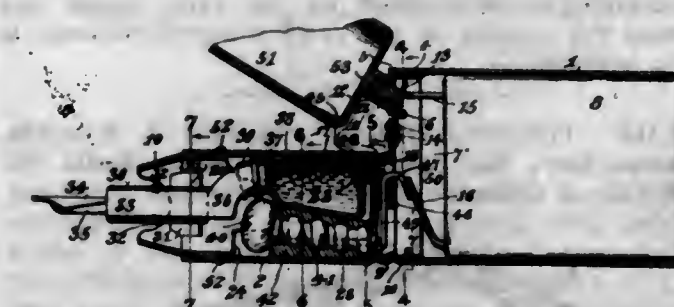
1. In a device of the character described, in combination, a continuous metallic supporting member, provided with an integral compartment having a retaining end wall, and a non-metallic block in said compartment abutting said wall having one dimension smaller than the corresponding dimension of said compartment.

1,517,152. RAILWAY TIE. JAMES CAREY DAVIS, Hinsdale, Ill. Filed Oct. 24, 1923. Serial No. 670,486. 25 Claims. (Cl. 238-286.)



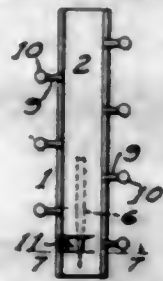
22. In a railway tie, a continuous metallic supporting member having a pocket open at its top and at one end and having internal lateral projections, and a rail support having recesses for reception of said projections when the rail support is introduced into the pocket through said open end.

1,517,153. ILLUMINATED FOUNTAIN PEN. JOHN J. DWINE, Middletown, Conn. Filed Mar. 20, 1924. Serial No. 700,595. 6 Claims. (Cl. 240-8.4.)



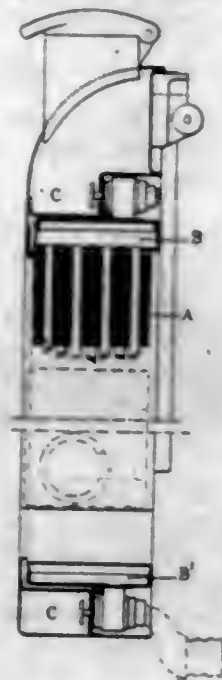
1. A fountain pen comprising a pen body, a combined lamp socket forming element and reservoir support removably mounted in the forward portion and extending lengthwise of the bottom of said body, a lamp arranged forwardly of and having its plug extending through said element, a contact member carried by and insulated from said element and contacting with the rear end of the lamp plug, a contact arranged within said body rearwardly of said element and spaced from said member, and a battery arranged in the rear portion of said body and gravity shiftable towards the lamp to have its terminals simultaneously engage said member and contact to close the lamp circuit when the pen is positioned for writing.

1,517,154. FLOWER-WEARING DEVICE. ROBERT D. DONOHUE, New York, N. Y. Filed Aug. 8, 1923. Serial No. 656,352. 4 Claims. (Cl. 24-6.)



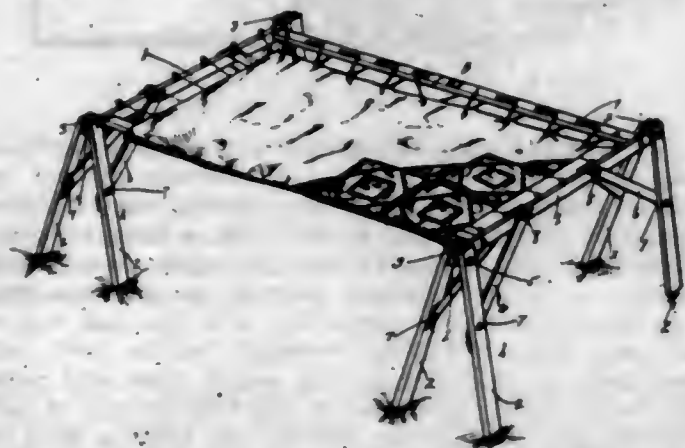
1. A flower wearing device having the combination of a body portion for backing the flower stems, means for securing said portion, and a series of projections along said body portion to facilitate tying a wire around said portion and the flower stems.

1,517,155. RADIATOR WITH REMOVABLE ELEMENTS. HENRI RAYMOND GUYOT, Paris, France. Filed Jan. 29, 1921. Serial No. 441,045. 4 Claims. (Cl. 257-129.)



1. A radiator comprising headers carrying valve casings and having elements which are independently removable, said elements including a connecting device consisting of a sleeve rigidly secured to the element, said valve casings housing a spring valve, and a cap nut adapted to maintain the said sleeve on the valve casing and to cause the opening of the valve when the element is put in position.

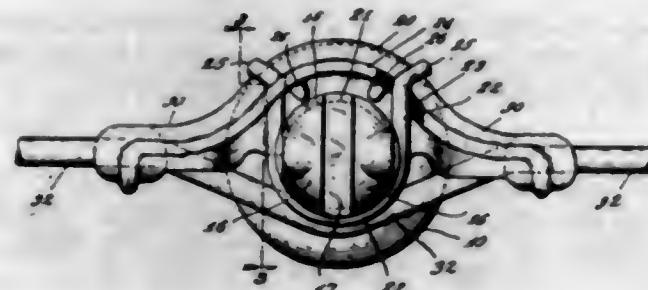
1,517,156. FOLDING HORSE. HERBERT T. HATCHER, Kansas City, Mo. Filed Oct. 2, 1923. Serial No. 666,134. 2 Claims. (Cl. 304-5.)



1. A device for the purpose indicated comprising a horse having a transverse bar and a supporting standard therefor consisting of a duality of hinged connected

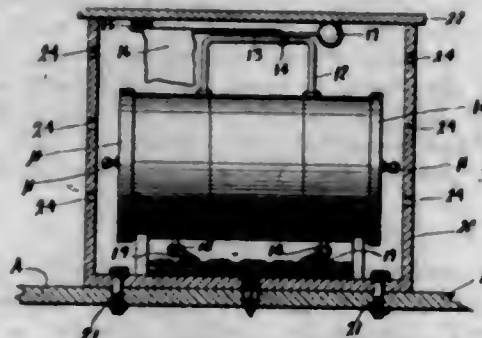
legs, the bar having a wedge-shaped element engaging in the crotch between said legs, and a detachable bolt passing through the legs and through the wedge-shaped portion of the bar.

1,517,157. TROLLEY-WIRE HANGER. EDWARD HEYDON, deceased, late of Indianapolis, Ind., by Emma Heydon, executrix, Indianapolis, Ind. Filed Apr. 3, 1924. Serial No. 704,005. 10 Claims. (Cl. 191-40.)



3. A trolley-wire hanger, comprising a body having a circumferential groove, a yoke having a laterally opening recess arranged to receive the body by interfitting with said groove and a clamp having a laterally opening recess which interfits with said body on the other side thereof from the interfitting with said yoke part, said clamp and said yoke being arranged to be attached together to clamp the body between them.

1,517,158. BUOY FOR INDICATING THE POSITION OF SUNKEN VESSELS. JOSEPH J. HIGGINS, Bronx, N. Y. Filed July 13, 1923. Serial No. 651,328. 2 Claims. (Cl. 9-9.)

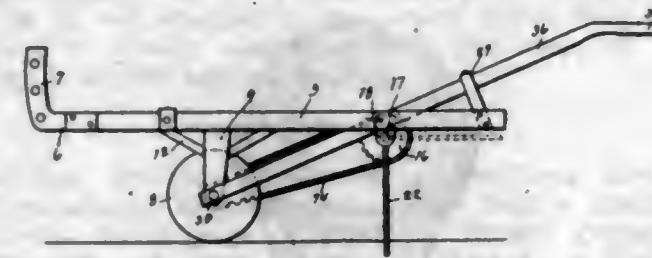


1. A device of the class described, the combination with a vessel, of a receptacle secured to the exposed deck of the vessel, a buoy normally enclosed in said receptacle, a U-shaped bracket mounted on the top of said buoy, a staff having an eye formed intermediate its ends for receiving the bight portion of said U-shaped bracket, a weight formed on the lower end of said staff, a cover serving to hold said staff in a horizontal position within the receptacle, a flexible connection having one end attached to the buoy and the other end attached to the hull of the vessel for anchoring the buoy thereto, a portion of said flexible connection adapted to be coiled within said receptacle, whereby the sinking of the vessel will cause the buoy to automatically rise against said cover to lift the same from the receptacle and to release the buoy to permit the weight to automatically move said staff to a vertical position for visually indicating the position of the vessel beneath the surface of the water.

1,517,159. IRRIGATION DEVICE. HACHIRO ISHIMOTO, Marysville, Calif. Filed July 27, 1923. Serial No. 654,212. 2 Claims. (Cl. 97-55.)

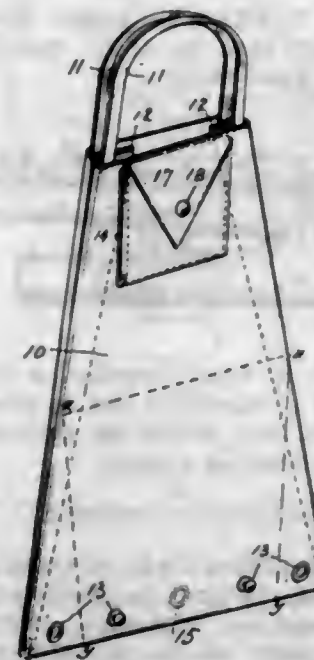
1. In an irrigation device a frame, a wheel mounted below said frame and adapted to contact the ground, a shaft secured to said frame, a scraper blade rigidly secured to said shaft, a sprocket rotatably mounted on said

shaft, clutch members slidably keyed to said shaft, one of said clutch members being adapted to lock said shaft against rotation, the other of said clutches being for the



purpose of locking said shaft to said sprocket, means for driving said sprocket substantially as and for the purpose described.

1,517,160. HAND BAG. FRANCIS P. KANE, Jacksonville, Ill. Filed Nov. 20, 1922. Serial No. 602,140. 8 Claims. (Cl. 150-1.)



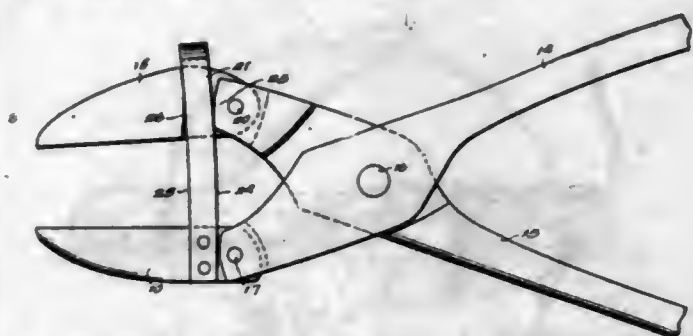
3. A shopping bag comprising a piece of material of elongated, substantially rectangular shape folded at its transverse center and having its adjacent side edges secured together and folded inwardly into triangular accordion platts to form an open-ended trapezoidal shape with the base of the trapezoid at the bottom, said plates being wider at the top than at the bottom, and a pair of handles secured to the upper sides thereof.

1,517,161. BROILER. ALICE M. KERSHAW, Cambridge, Mass. Filed May 15, 1924. Serial No. 713,596. 4 Claims. (Cl. 53-5.)



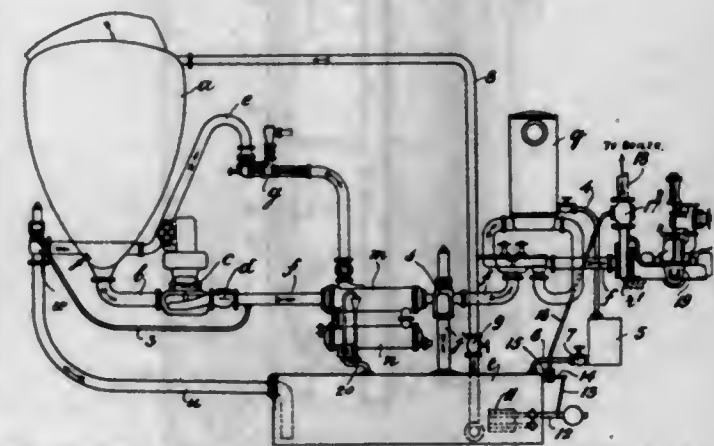
1. A broiler consisting of two grids, separable one from the other, one grid including a web comprising branches radiating from a center, each branch having a channel formed therein alongside the central longitudinally extending portion of the branch, and channeled bars disposed to leave intervening open spaces between the bars, the other grid being formed with channeled bars spaced apart to leave intervening open spaces between them, the open intervening spaces of one grid registering with the channeled portions of the other grid.

1,517,162. PLIER WRENCH. PERCIVAL F. KIND, New York, N. Y. Filed Aug. 9, 1923. Serial No. 656,520. 3 Claims. (Cl. 81-85.)



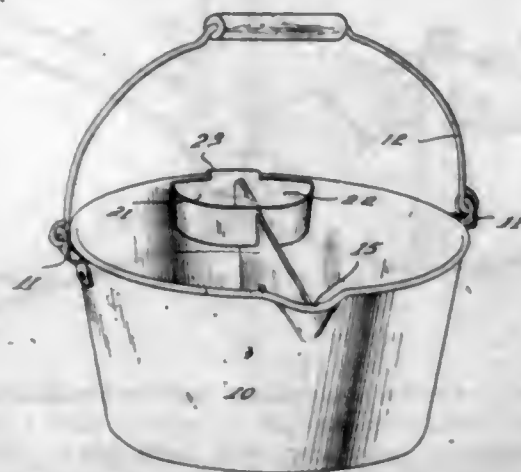
1. A plier wrench including a pair of crossed handles, a pair of jaws each pivoted to one of said handles, a horn operatively associated with both jaws, and means carried by the wrench and including a friction-gripping surface carried by the upper jaw adapted to wedge the horn fast to both jaws when the handles are squeezed together and to release such wedging engagement when said handles are separated, said horn being U-shaped, the free ends of the legs of the U being fixed to the lower jaw, said legs slidably engaging said friction-gripping surface and forming a part of said means, and the bowl of the U being located beyond the upper jaw, said means also including a friction-gripping surface for the horn and carried by the handle to which the upper jaw is pivoted.

1,517,163. FEED-WATER SYSTEM IN STEAMSHIPS. CHARLES RUSSELL LANE, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Filed Dec. 8, 1919. Serial No. 343,383. 6 Claims. (Cl. 257-24.)



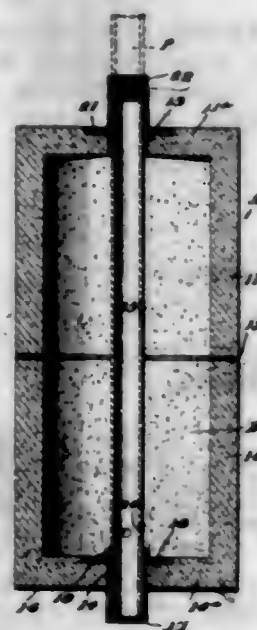
1. In a steamship, in combination, a boiler, a feed pump for supplying said boiler with feed water, a main condenser, a main feed pipe extending from said condenser to said feed pump, a water-extraction pump for the withdrawal of the water of condensation, i. e., the feed water, from the said condenser, and the delivery of the same under pressure into the said feed pipe, a surface feed heater on the said main feed pipe, a steam-jet air ejector for the extraction of the air, with vapour, from the said condenser and the delivery of the same into the said surface heater, the said heater being arranged for the heating of the feed water by the condensation of the steam from the ejector, a feed tank, an admission pipe connection between the said main feed pipe and said feed tank, an automatic non-return loaded valve on said pipe connection, a discharge pipe connection from said feed tank to said condenser, an automatic non-return valve on said last mentioned pipe connection, a float control device in said feed tank, a valve on the discharge of said feed pump, and means whereby said device controls said last mentioned valve.

1,517,164. SCRUBBING PAIL. MELCHOR F. LEAR, Denver, Colo. Filed Mar. 30, 1922. Serial No. 548,231. 1 Claim. (Cl. 15-264.)



In combination, a pail having a partition dividing the pail into two water-tight compartments and a removable container having a recess in its bottom seating over the partition and being provided with a rim engaging hook whereby the partition and the brim of the pail serve to hold the container in place.

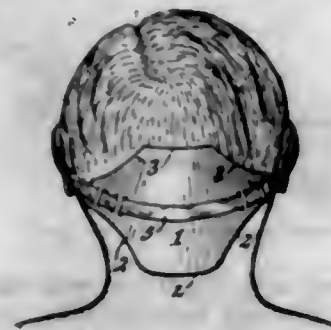
1,517,165. FILTER. SAMUEL P. POWELL, Astoria, Ill. Filed Aug. 11, 1921. Serial No. 491,410. 2 Claims. (Cl. 210-112.)



1. A filter embodying a pair of jar-like porous material sections cemented together at the open ends thereof to form a substantially monolithic closed end porous vessel providing a filtered fluid chamber therewithin, a discharge pipe extending longitudinally through said vessel and transversely through the opposite closed ends thereof, said pipe extended at the opposite ends a distance exteriorly of the vessel and provided at one end with a closure cap therefor, a bearing plate mounted on the exterior of the closed pipe end against the end wall of the vessel, a bearing plate mounted on the closed end of the pipe within the vessel against the inner side of the vessel end walls, and means for binding the vessel end wall between said bearing plates to maintain said discharge pipe in mounted position in the vessel.

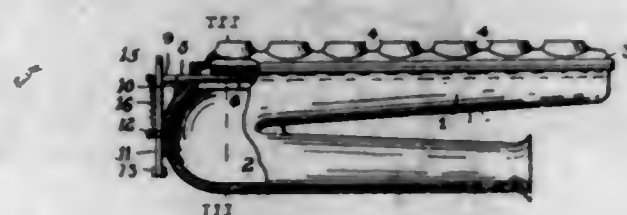
1,517,166. TEMPLATE FOR TRIMMING THE NECK. NICHOLAS C. POWERS, Chicago, Ill. Filed June 19, 1924. Serial No. 720,917. 1 Claim. (Cl. 132-45.)
A template for cutting and trimming hair, comprising a body of flexible material provided with contour lines on opposite side edges thereof corresponding with the

selected cut or trim desired, in combination with an elastic band by means of which said body is secured in an adjusted position relative to the back of the head and



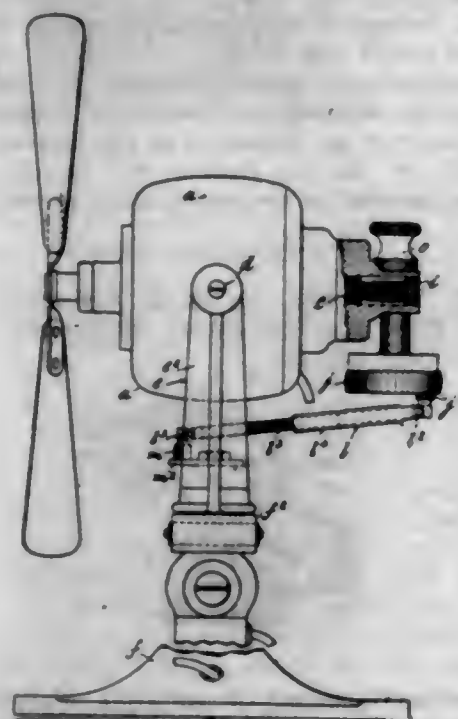
neck of a person, said body provided with apertures and said band attached to said body by being extended through said apertures.

1,517,167. GAS BURNER. GEORGE FOSTER REZNOR, Mercer, Pa. Filed Mar. 15, 1923. Serial No. 625,209. 6 Claims. (Cl. 158-120.)



1. A gas burner, a mixer therefor, a screen between the two positioned to cause the gas to pass through the same to the burner, and means for agitating the screen to dislodge matter trapped thereby.

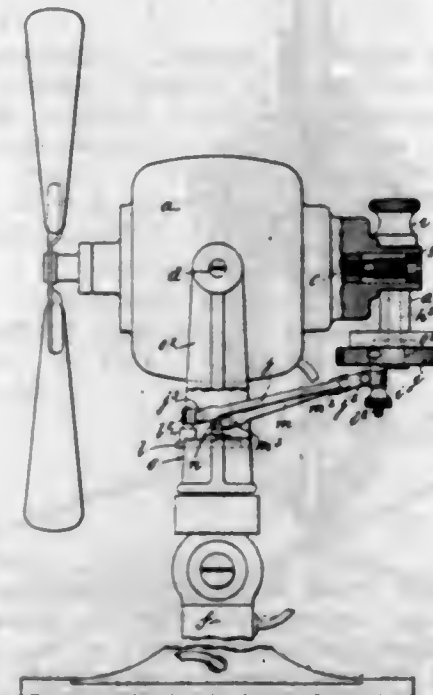
1,517,168. OSCILLATING FAN. DANIEL EVAN ROGERS, London, England, assignor to Veritys Limited, Birmingham, England, a Registered British Company. Filed July 18, 1923. Serial No. 652,440. 4 Claims. (Cl. 230-1.)



1. An electrically driven oscillating fan, comprising a pedestal, a frame mounted for rotation on said pedestal, a casing mounted to rock in said frame on an axis at an angle to the axis of rotation of said frame on said pedestal, a fan shaft rotatable in said casing, a crank carried by the casing and actuated by said fan shaft, means operable to secure said casing against rocking movement in said frame or to secure said frame against

rotation on said pedestal, and means connecting said crank to said pedestal at a point eccentric to the axis of rotation of said frame, said connecting means comprising a plurality of parts longitudinally adjustable relatively to one another by the crank either when the casing is secured against rocking movement or the frame is secured against rotation.

1,517,169. OSCILLATING FAN. DANIEL EVAN ROGERS, Birmingham, England, assignor to Veritys Limited, Aston, Birmingham, England, a British Company. Filed Nov. 3, 1923. Serial No. 672,646. 4 Claims. (Cl. 230-1.)



1. An electrically driven oscillating fan, comprising a pedestal, a frame mounted for partial rotation on said pedestal, a casing mounted to rock in said frame on an axis at an angle to the axis of rotation of said frame on said pedestal, a fan shaft rotating in said casing, a crank rotated by said fan shaft, a link having one of its ends connected to said crank and its other end connected to said pedestal at a point eccentric to the axis about which said frame partially rotates on said pedestal and means connecting said crank to said frame at a point eccentric to the axis of rotation of said frame on said pedestal.

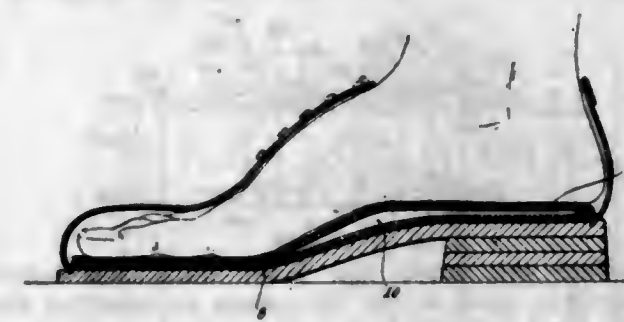
1,517,170. FOOT-SUPPORTING PAD FOR SHOES. LAZARUS ROSENTHAL, Pittsburgh, Pa. Filed Feb. 20, 1924. Serial No. 694,157. 3 Claims. (Cl. 36-71.)



2. A pad for shoes comprising a resiliently compressible body adapted to cover the entire foot having a relatively high central arch portion and relatively thin heel and toe portions at the back and front of the arch respectively, the area of said toe portion adapted to support the outer part of the wearer's foot adjacent the phalangeal metatarsal joint having a plurality of relatively large apertures therein arranged to increase the resiliency of the pad beyond that of the other portions of the pad and provide greater freedom for the bones of the foot in that portion of the foot.

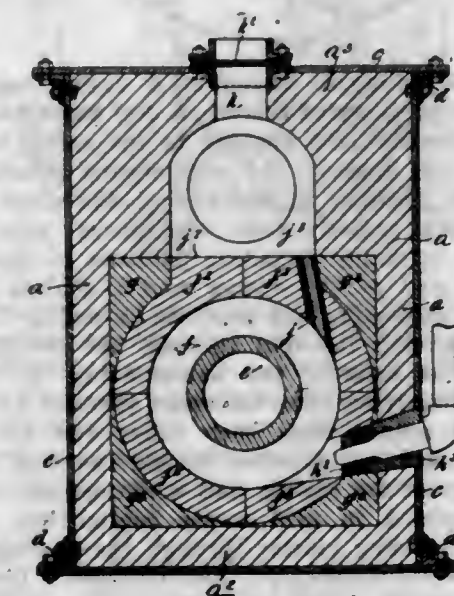
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1,517,171. PNEUMATIC INSOLE FOR SHOES. MORRIS ROSENWASSER, New York, N. Y. Filed Mar. 3, 1922. Serial No. 540,711. 1 Claim. (Cl. 36-29.)



A pneumatic insole, comprising a flexible air sack conforming to the contour of the interior of a shoe, the said sack consisting of upper and lower members substantially as long as the interior of the shoe, the said members being closed one upon the other and secured together permanently from the toe end of the insole to the instep, the remaining portion of the said sack containing a movable air charge, the said air charge being normally of equal depth from the said closed toe portion of the insole to the heel portion thereof when the foot of the wearer of the shoe is at rest thereon, and the said air charge being pressed forward by the heel of the foot when walking and forced into an air body of greater than the normal depth and localized directly below the instep and operating to exert a pressure upwardly upon the sole of the foot at each step.

1,517,172. MUFFLE FURNACE FOR HEAT TREATMENT OF STEEL. ALBERT EDWARD RUDD, Wolverhampton, England. Filed Mar. 21, 1923. Serial No. 626,585. 5 Claims. (Cl. 263-41.)

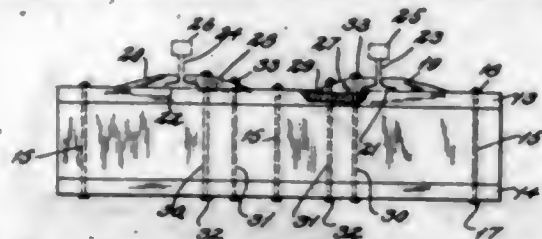


1. In a furnace of the kind and for the purpose described the combination of a main cylindrical chamber, means for closing said chamber at both ends, a cylindrical flue surrounding said chamber for the greater part of its length and whose interior walls are parallel, a tangential inlet for the heating products into the cylindrical flue arranged low down beneath the exterior walls of the chamber so that said products have a whirling motion imparted to them, an exit passing upwardly through the top wall of the cylindrical flue at the side thereof substantially as described.

1,517,173. RAILROAD TIE. MIKE SAWICKI, Bruno, Saskatchewan, Canada. Filed Nov. 8, 1923. Serial No. 673,523. 1 Claim. (Cl. 238-74.)

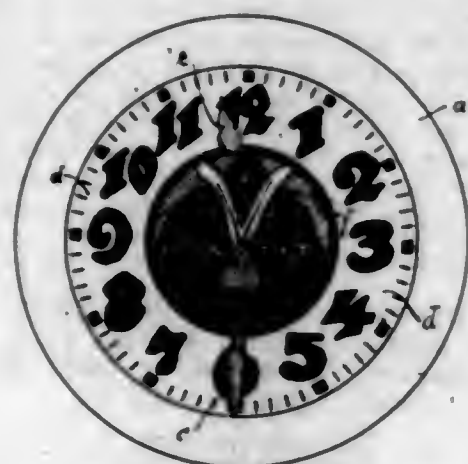
A railroad tie comprising a metallic body having inwardly curved side walls, a casing enveloping the body and comprising an upper wall resting upon the upper

side of the tie and extending beyond the side edges thereof, a lower wall supporting the bottom of the tie and extending beyond the edges thereof, and side walls



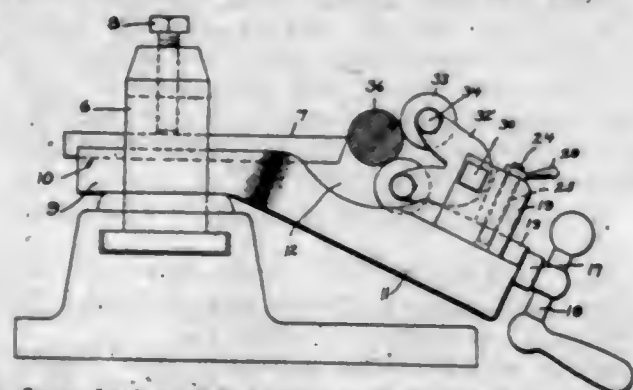
intermediate the upper and lower walls and spaced from the side walls of the tie, means for securing said walls in fixed relation, and rail securing members integral with the upper wall of the casing.

1,517,174. CLOCK FOR ADVERTISING PURPOSES. MAX SCHMIDT, Hamburg, Germany. Filed Apr. 16, 1921. Serial No. 461,936. 1 Claim. (Cl. 53-126.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



An advertising clock, including a casing having an open end, a clock mounted therein, a dial having a central opening smaller than the opening in the casing mounted on the open end thereof, the dial closing a substantial portion of the opening in the casing, the clock having hands extending radially from the central axis formed with forward laterally extending portions in close proximity to the wall of the casing, and U-shaped radially and inwardly projecting end portions extending from the lateral ends around the dial through the central opening therein, the ends of the hands being in front of the dial and overlying time markings thereon, the hands being slightly spaced from each other and the casing and dial, and defining a recess behind the dial substantially as large as the casing, and a changeable exhibitor apparatus mounted in said recess behind the dial for displaying advertising matter through the opening therein, said apparatus having portions concealed from view by the dial.

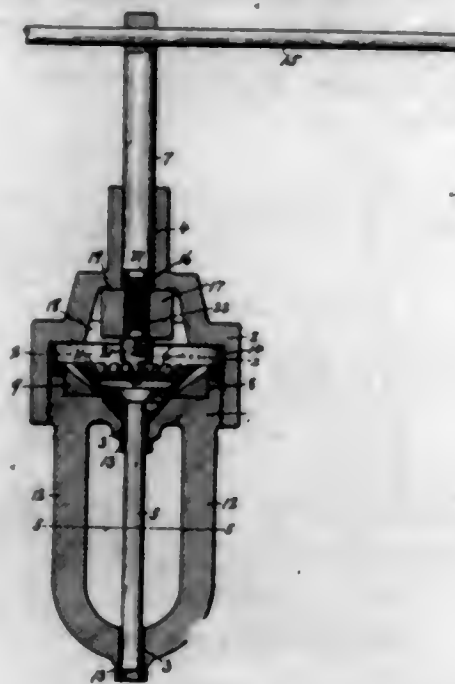
1,517,175. TOOL HOLDER AND STEADY REST. HARRY B. SCOTT, Barre, Vt. Filed July 14, 1920. Serial No. 396,249. 3 Claims. (Cl. 82-35.)



1. In a device of the character described, the combination with a cutter holding clamp, of a base member adapted to be received in said clamp, of a block slidable

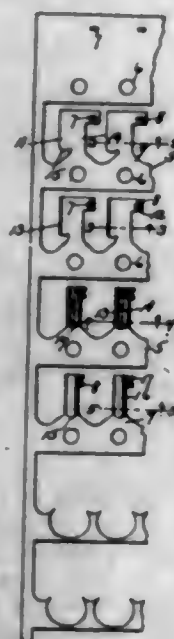
upon said base, a V-shaped bearing member loosely pivoted at its apex to the block, and work engaging roller means pivoted upon the free ends of the V-shaped bearing member.

1,517,176. DEVICE FOR TRUING VALVES. HARRY M. SHEPHERD, Seneca Falls, N. Y. Filed July 15, 1922. Serial No. 575,400. 2 Claims. (Cl. 82-1.)



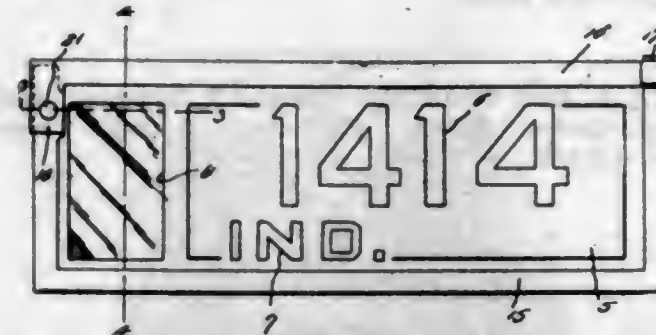
1. In a valve truing device of the character described, coaxial sections screwing one upon the other for relative axial adjustment, cutting teeth on one of the sections around the axis thereof, a valve guide on the last named section coaxial with the cutter, a shaft rotatable in the other section, a coupling nut screwed upon the shaft and a driver for rotating the valve, screwed into the coupling nut.

1,517,177. KEY AND PROCESS OF FORMING THE SAME. ELMER B. STONE, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 10, 1921. Serial No. 430,138. 9 Claims. (Cl. 76-110.)



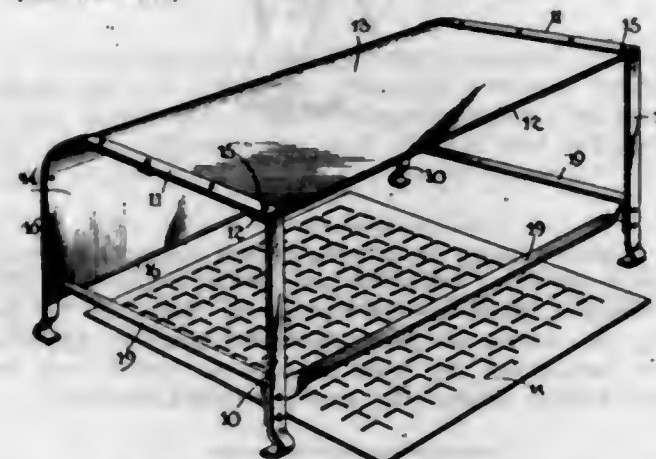
1. A key blank composed of a unitary piece and comprising a single bow section, a bit section on one side, and a barrel section having the major portion thereof on the opposite side extending for subsequent engagement with the bow section.

1,517,178. VEHICLE LICENSE TAG AND HOLDER THEREFOR. LAWRENCE T. THORN, Harrisburg, Ark. Filed Jan. 9, 1924. Serial No. 685,191. 8 Claims. (Cl. 40-2.2.)



1. In combination, a license tag formed adjacent one end with a display opening, a member provided with a record sheet retaining pocket and removably positioned upon the tag rearwardly of said display opening, and means for removably retaining a year card upon the front face of said pocket forming member rearwardly of said display opening.

1,517,179. COMBINED HOT-AIR DEFLECTOR AND FOOT REST. EBENEZER P. THURGOOD, Holly, Mich. Filed Dec. 21, 1923. Serial No. 682,027. 1 Claim. (Cl. 98-50.)



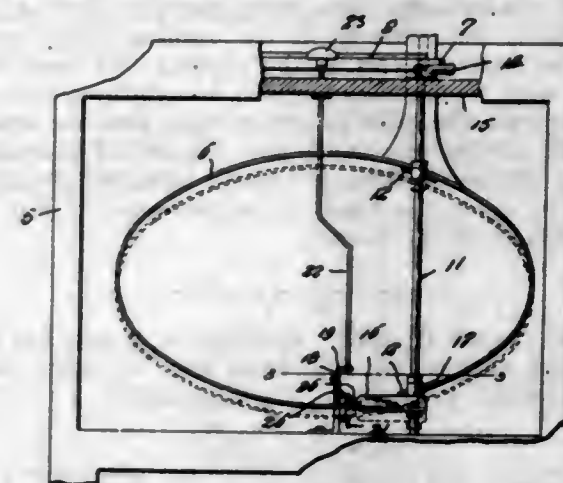
A device of the class described comprising a frame including end members in spaced relation and each including spaced vertical side portions, the end members being of substantially inverted U-shape, an imperforate deflector element attached to the upper part, and to one vertical side portion of each of the end members, transverse brace devices connecting the side portions of the end members, and a longitudinal brace device connecting the end members, said brace devices being spaced above the lower ends of the members to also constitute foot rests.

1,517,180. HELMET EMERGENCY LIGHT. GEORGE A. TIMLIN, New York, N. Y. Filed Aug. 13, 1921. Serial No. 491,999. 3 Claims. (Cl. 240-8.4.)



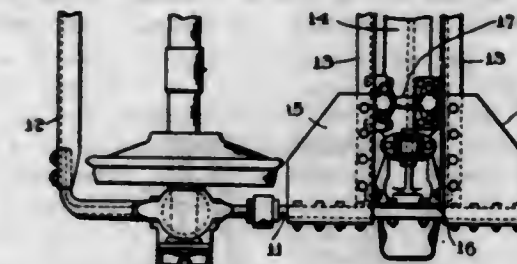
1. The combination with a helmet of a front hinged thereto and having an opening, a latch for the hinged front of the helmet, and a lamp attached to the rear face of the front, said lamp having a light projecting portion extending through the opening of the hinged front.

1,517,181. PHONOGRAPH. HARRY T. TULARE, Rochester, Minn. Filed June 25, 1923. Serial No. 647,613. 1 Claim. (Cl. 274-9.)



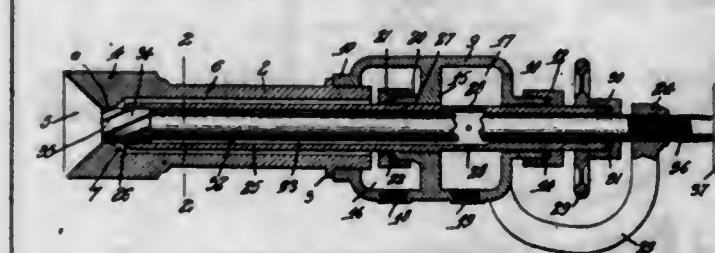
In a phonograph, a vertically disposed shaft journaled for turning movement, means for raising and lowering the shaft, a tone arm mounted upon the shaft, a stop arm carried by the shaft, a member pivoted upon the stop arm and having an end portion projecting beyond the end of the stop arm, a slide member mounted for movement parallel with the shaft, means for moving the slide member, and a lug carried by the slide member and disposed toward the shaft.

1,517,182. TRUCK CONSTRUCTION. ERNEST R. VIERBERG and ERIC ELGGREN, Montreal, Quebec, Canada. Filed Aug. 4, 1923. Serial No. 655,656. 3 Claims. (Cl. 105-193.)



1. In a device of the character described, side frames, spaced transoms securely fastened to the side frames, a bolster suitably supported and adapted to float between the said transoms, ball socket brackets attached to one of said transoms, ball socket brackets securely fixed to the bolster, and links connecting the transom ball socket brackets to the bolster ball socket brackets.

1,517,183. OIL BURNER. BENJAMIN F. WALDRON, Duncan, Okla. Filed Dec. 19, 1923. Serial No. 681,602. 2 Claims. (Cl. 158-75.)



1. In a device of the class described, a body including a casing having a transverse partition, defining a pressure fluid chamber and a fuel chamber, and a nozzle connected to the casing and having a bore communicating with the fuel chamber, the nozzle being provided with an opening and being equipped with a seat located between the opening and the bore; a fuel conduit located within the nozzle and movable longitudinally in the partition into and out of engagement with the seat, the

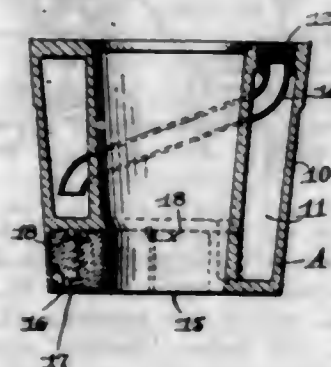
conduit having an aperture communicating with the pressure fluid chamber; and a valve embodying a stem of less diameter than the bore of the conduit and located in the conduit, the stem being provided with a head fitting closely but slidably in the opening of the nozzle and in the adjacent end of the conduit, the head being provided with a superficial groove establishing communication between the bore of the conduit and the bore of the nozzle on the one hand, and the outlet end of the nozzle on the other hand, the valve being longitudinally movable, to cause the head to project more or less into the outlet end of the nozzle.

1,517,184. HOSE CLAMP. MICHAEL J. BARTO and JESS A. FISKE, Seatonville, Ill. Filed Mar. 8, 1924. Serial No. 697,811. 2 Claims. (Cl. 24-19.)



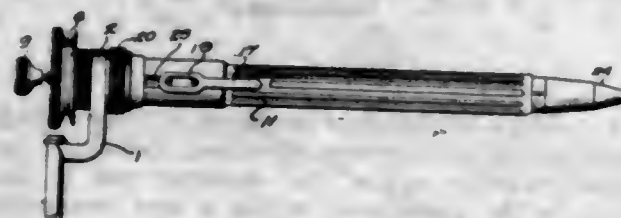
1. A hose clamp comprising a metal strip having a portion adjacent an end crimped to provide an offstanding loop in which is formed an opening, said strip having a plurality of square openings in its length, and a bolt having a square portion adjacent its end to engage one of the square openings of said strip and the opening of said loop, and a nut threaded upon the bolt and adapted to draw end portions of the strip together and tighten the clamp about the part to be made fast.

1,517,185. BLAST-FURNACE TUYÈRE. GEORGE BEATON, Sydney, Nova Scotia, Canada. Filed June 30, 1923. Serial No. 648,736. 10 Claims. (Cl. 266-41.)



1. A blast furnace tuyère comprising a cylindrical body portion, an annular water jacket in the body portion, the body portion being formed with a cored out recess in the nose, and a filling of refractory material in the recessed nose.

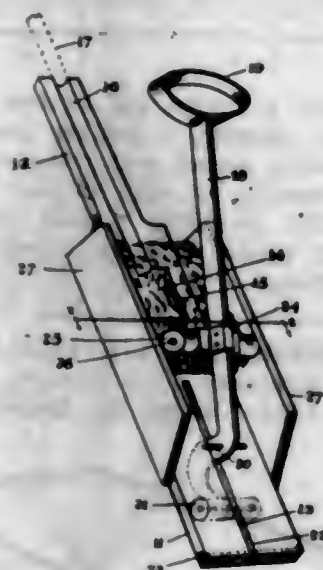
1,517,186. HANDPIECE FOR DENTAL DRILLS. WILLIAM H. BOND, Sarasota, Fla. Filed Oct. 29, 1923. Serial No. 671,511. 4 Claims. (Cl. 32-15.)



1. In a dental engine, a hand piece comprising an inner sleeve, means for securing said sleeve in position, a sheath surrounding said sleeve, said sheath being pro-

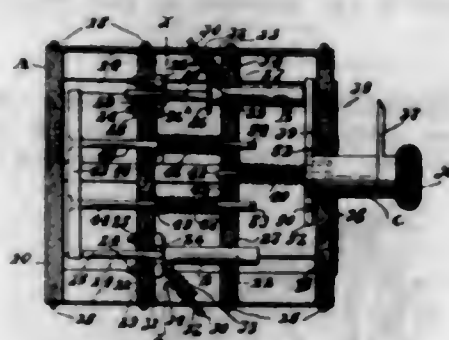
vided with a notch, a leaf spring having one end secured to said sleeve, the other end of said spring being offset, a locking member secured to the offset end of said spring, and a tooth formed on said locking member and adapted to enter said notch.

1,517,187. MOP WRINGER. THOMAS L. BONSALE, Montreal, Quebec, Canada. Filed Dec. 13, 1922. Serial No. 606,679. 6 Claims. (Cl. 15-260.)



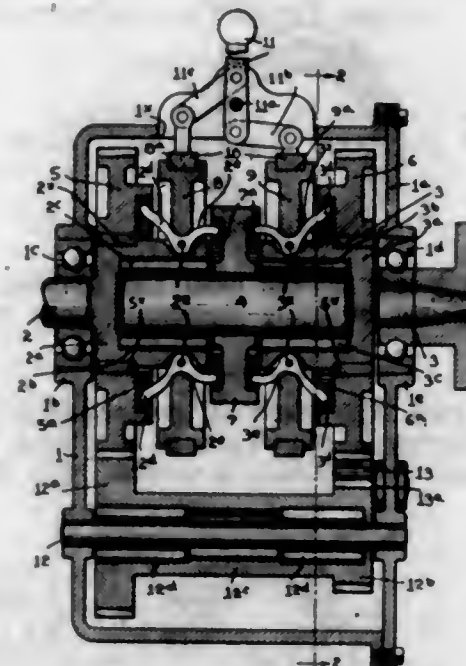
1. A mop wringer comprising a mop support, a traveling lever provided with fulcrum means engageable with said support, guide rollers carried by the lever for engaging the bottom of the support and pressure applying rollers carried by the lever adapted to travel over the support and to engage the mop positioned thereon.

1,517,188. CONTROLLING SWITCH FOR AUTOMOBILE LOCKING DEVICES. HENRY EDWARD INTON BRAITHWAITE, Anyox, British Columbia, Canada. Original application filed Feb. 5, 1921. Serial No. 442,530. Divided and this application filed Oct. 9, 1922. Serial No. 593,486. 11 Claims. (Cl. 200-48.)



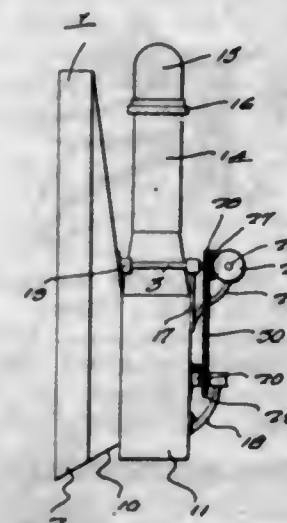
1. A permutation circuit closer of the character described comprising an axially movable and pivoted selector member having a contact engaging arm, a series of movable contact members arranged in the path of the movement of the arm and adapted to be selectively moved by the same, means for retaining each contact member in the position to which it is moved by the arm, and means for returning all of the contact members to normal position.

1,517,189. REVERSING MECHANISM. HENRY LOWE BROWNBACK, Norristown, Pa. Filed May 9, 1924. Serial No. 712,068. 24 Claims. (Cl. 74-59.)



1. In mechanism of the character specified, a pair of aligned shafts, a member rotatably mounted coaxially of said shafts, and a finger movably mounted on each of said shafts adjacent the ends thereof and adapted to engage said member to lock the shafts together.

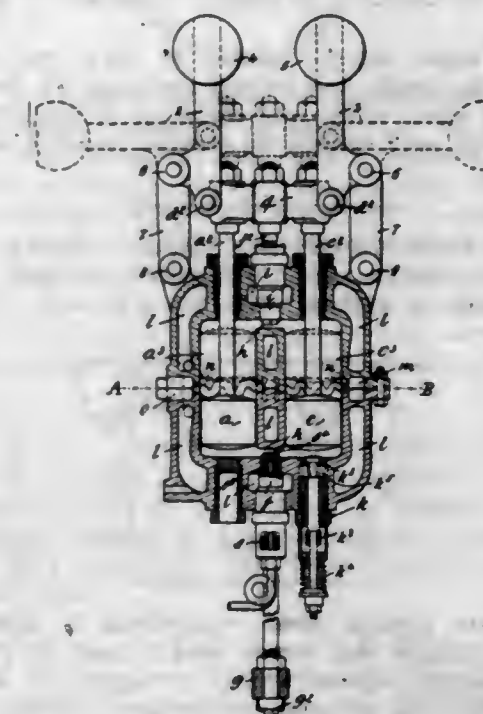
1,517,190. SNOWFLOW. CHARLES F. BRYAN, Hetland, S. Dak. Filed May 22, 1924. Serial No. 715,207. 2 Claims. (Cl. 37-43.)



1. A snow plow comprising a casing, a scoop provided on the lower forward edge thereof, the front face of the casing being open, a shaft extending centrally through the casing, a rotary cutter supported on the forward end of the shaft and disposed within the casing, a fan casing arranged on the rear portion of the aforementioned casing and communicating with the lower portion thereof, a shaft extending through the fan casing, a rotary fan supported thereon and disposed within the fan casing, brackets on said fan casing for supporting said shafts, a beveled gear mounted on the rotary cutter shaft, a drive shaft supported on the fan casing, means associated with one end of the drive shaft for operating the same, a beveled gear on the opposite end of the shaft for cooperation with the beveled gear on the rotary cutter shaft, aligning sprocket wheels pro-

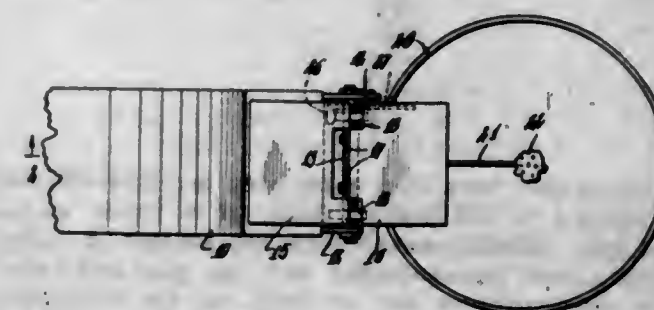
vided on the rotary cutter shaft and the fan shaft, a sprocket chain extending over the sprocket wheels whereby the rotary fan and rotary cutter are actuated simultaneously, and an outlet pipe extending upwardly from the fan casing.

1,517,191. INTERNAL-COMBUSTION ENGINE. JOHN BURNAND, Teddington, England. Filed May 22, 1922. Serial No. 562,744. 5 Claims. (Cl. 123-53.)



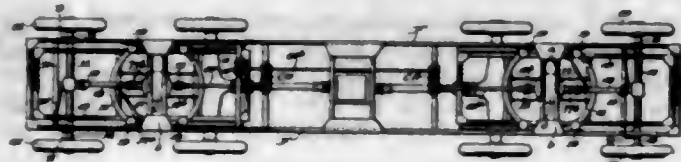
2. An internal combustion engine having a vertically arranged cylinder, a piston and piston rod operable therein on the two-cycle principle, a link pivotally connected to said cylinder, a weighted lever pivotally connected both with the piston rod and to said link so as to be oscillated by the movement of said rod, said weighted lever being adapted to be brought into vertical and horizontal positions, the arrangement being such that when the said lever is in a vertical position the weight thereof will be almost entirely supported by said casing through said link.

1,517,192. RAT AND MOUSE TRAP. ANDREW CERVENEC, Tarentum, Pa. Filed Jan. 2, 1924. Serial No. 683,879. 4 Claims. (Cl. 43-69.)



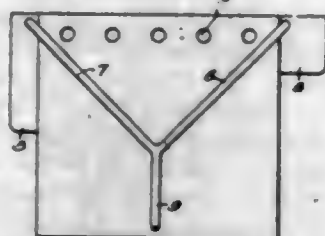
4. An animal trap comprising a frame element, a transverse shaft carried thereby, a pair of platform sections formed on adjacent edges with hinge ears engaged with said shaft, a receptacle under one of said sections, one hinge ear on the other section being formed with gear teeth, a rock lever fulcrumed on said frame forwardly of the said shaft and having one end projecting under the said last named section, an internal gear segment formed on the other end of said lever and engaging the said gear teeth.

1,517,193. ROAD VEHICLE. MONTAGUE HERBERT CHURCHILL-SHANN, Albury, New South Wales, Australia. Original application filed June 18, 1920, Serial No. 389,795. Divided and this application filed Jan. 22, 1923. Serial No. 614,299. 9 Claims. (Cl. 180-22.)



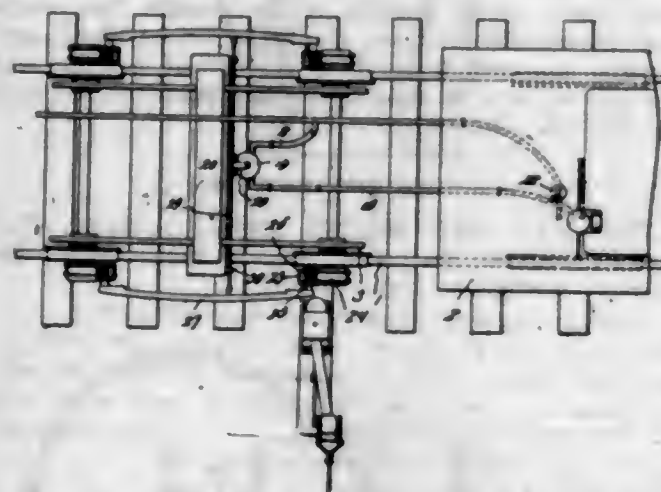
1. In a bogie vehicle, means to turn the steering wheels of the bogie and means operated by the bogie frame as it slews under the direction of the wheels to reversely turn said wheels to parallel position with the bogie frame.

1,517,194. CREAM-TESTING TANK. BRUCE DUANE CLEMENT, Amarillo, Tex. Filed Dec. 8, 1923. Serial No. 679,443. 5 Claims. (Cl. 31-2.)



1. A cream testing tank, comprising a tank body adapted to contain hot water, and a pair of compartments connected therewith and arranged at different points thereon, one of said compartments being exposed to a greater degree of heat from the walls of said tank than the other whereby the contents thereof is maintained at a high temperature.

1,517,195. AUTOMATIC TRAIN STOP. JOHN M. COFFELDER and ELMER H. CLOYD, Ravenna, Ky. Filed June 6, 1924. Serial No. 718,277. 1 Claim. (Cl. 246-188.)

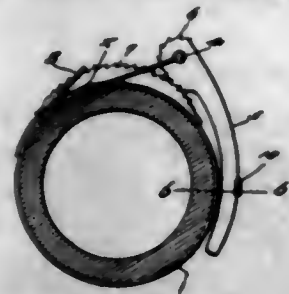


An automobile train stop comprising brackets adapted to be applied to the journal boxes of a truck, spring pressed pins slidably mounted in the bracket, a longitudinally curved bar connected with the pins and bridging the space between the brackets, an air controlling valve mounted upon the truck, and a rod operatively connected with the valve and having an end portion lying in the path of movement of said bar.

1,517,196. HOSE CLAMP. CHARLES W. CUPPETT, Masontown, Pa. Filed Apr. 4, 1924. Serial No. 704,248. 3 Claims. (Cl. 24-19.)

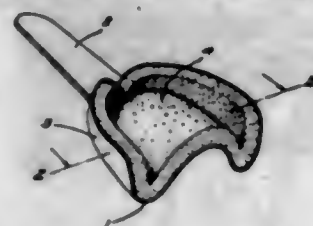
1. A hose clamp comprising a resilient band having a reduced tongue at one end and also having its other end portion bifurcated, a body fixed on said tongue of the band and having an outer toothed edge convex in the direction of its length and adapted to be passed through the bifurcation of the band, a keeper loop con-

nected to the band and movable into and out of engagement with said toothed body, a lever pivoted between the arms of the bifurcation in the band and having a toothed



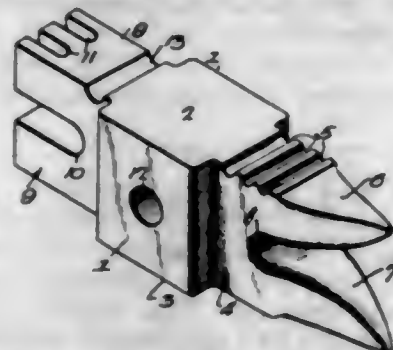
head, and a keeper on the band and adapted to hold the lever against swinging movement away from the band.

1,517,197. PAD FOR DENTAL IMPRESSION TRAYS. VINCENT CUTTITTA, New York, N. Y. Filed Feb. 27, 1924. Serial No. 695,511. 2 Claims. (Cl. 32-6.)



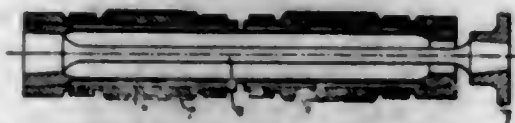
1. As a new article of manufacture, a pad for dental impression trays composed of sponge rubber, constructed and adapted to removably fit a dental tray, and constituting a support or receptacle for plastic material in which the impression is to be made.

1,517,198. ANVIL. SELDEN S. DREMER, New Castle, Del. Filed Oct. 3, 1923. Serial No. 666,332. 4 Claims. (Cl. 78-5.)



1. An anvil having two opposite working faces; and two horns spaced apart to form a throat

1,517,199. TRANSMISSION GEARING. MAURICE DELAPORTE, Paris, France. Filed Sept. 13, 1922. Serial No. 588,025. 4 Claims. (Cl. 74-7.)



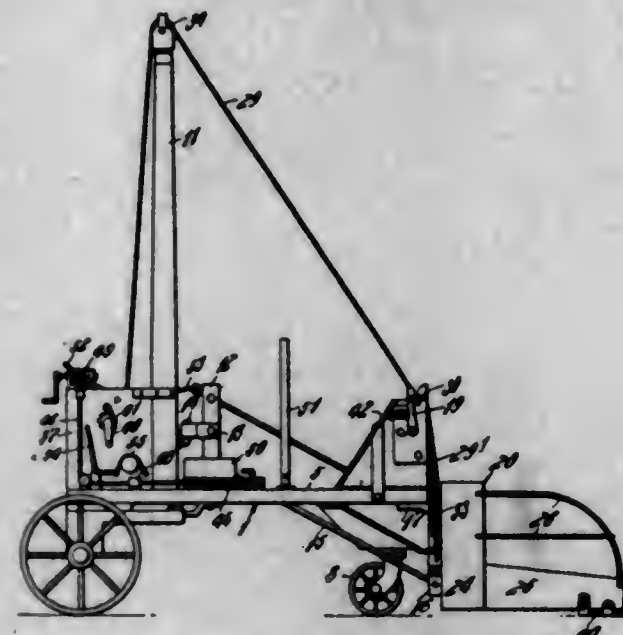
1. The combination of a pinion made in two parts, each carrying a crown, a tubular shaft having thin walls and which unites the two parts of the pinion and a shaft which traverses the said tubular one and is provided at one end with a coupling member which transmits power from said shaft to said tubular shaft and said pinion.

1,517,200. PROCESS OF DYE TRANSFER PRINTING FROM PHOTOGRAPHIC NEGATIVES. FRANK WORDSWORTH DONISTHORPE, Maida Vale, London, England, assignor to Dyé Impression Photos. Limited, Kensington, London, England, an English Corporation. Filed Aug. 18, 1920. Serial No. 404,414. 7 Claims. (Cl. 41-41.5.)

1. A process of dye transfer printing from photographic negatives, which consists in immersing the nega-

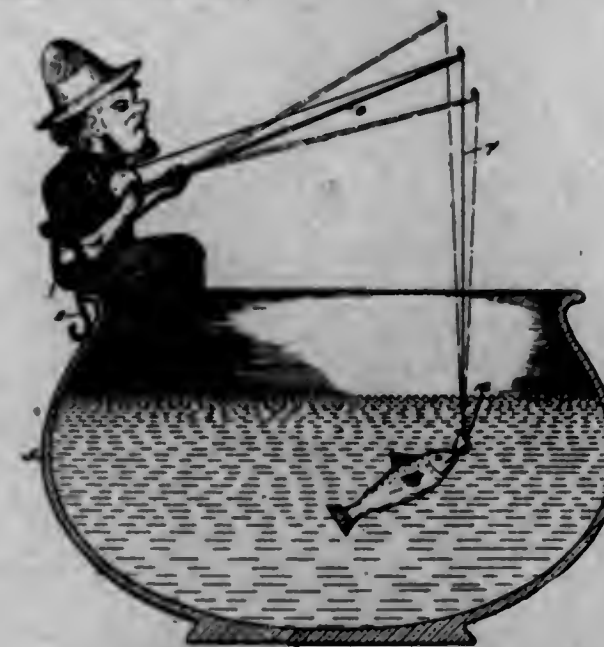
tive in a preparing bath containing acid and then in a dye bath, controlling the penetration of the dye or dyes into the prepared negative by varying the proportion or quantity of said acid contained in said preparing bath, and transferring the dye or dyes from the negative to a printing medium by direct surface contact.

1,517,201. LOADER. ORUS J. EASLEY, East Akron, Ohio. Filed Dec. 19, 1923. Serial No. 681,621. 5 Claims. (Cl. 214-140.)



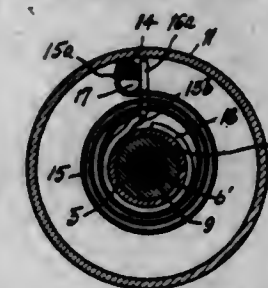
1. A device of the class described comprising a wheeled platform, a post carried thereby, a rocking member hingedly connected with the post, upper and lower parallel bars pivotally connected with the ends of said member, a carrier pivotally connected with the outer ends of said bars, a pulley at the top of the post, a cable passing over the same and connected with the carrier, drums on the platform for winding up the cable, means for rocking the member to tilt the carrier and means for turning the rocking member on its hinge to move the carrier in a horizontal plane.

1,517,202. FIGURE TOY. JAMES E. ENGEL, New York, N. Y. Filed Jan. 2, 1924. Serial No. 683,956. 3 Claims. (Cl. 46-40.)



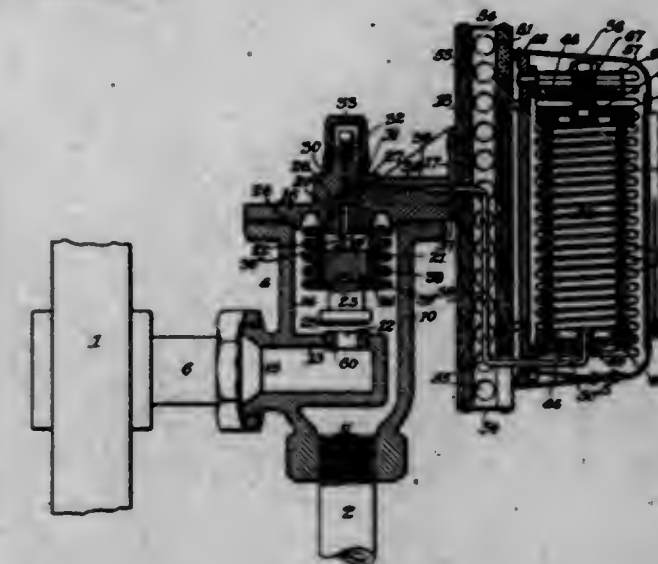
1. A toy, comprising a figure, means for connecting the figure to an aquarium or fish bowl, a spring held movable fishing rod connected to the figure, a line on the rod, and bait connected to the line.

1,517,203. IMPULSE COUPLING. RONALD K. EVANS, Anderson, Ind., assignor to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed Nov. 8, 1921. Serial No. 513,809. 5 Claims. (Cl. 123-140.)



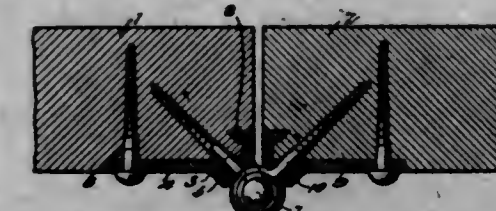
3. In an impulse coupling, the combination with driving and driven members; of means for temporarily retarding then releasing said driven member; a volute spring for effecting an operative connection between said driving and driven members, respectively; a spring support rotatably mounted coaxially with said members and attached to the inner end of said spring and having a part extending outwardly and apertured to receive the turns of the spring; and means for causing said studs to receive pressure from the outer end of said spring.

1,517,204. THERMOSTATICALLY-CONTROLLED VALVE. JAMES LOGAN FITTS, Pensauken Township, Camden County, N. J., assignor to Warren Webster & Company, Camden, N. J., a Corporation of New Jersey. Filed May 23, 1919. Serial No. 299,227. 4 Claims. (Cl. 236-42.)



1. In a heat controlling device; a thermostatic element, comprising an expansible chamber filled with an expansible and vaporizable fluid; a valve casing; an expansible metallic chamber within said valve casing; a tube connecting said thermostatic element and metallic chamber whereby the fluid in the thermostatic element may communicate with said expansible metallic chamber; and a filling substance within said metallic chamber adapted to solidify when the temperature of the steam is withdrawn.

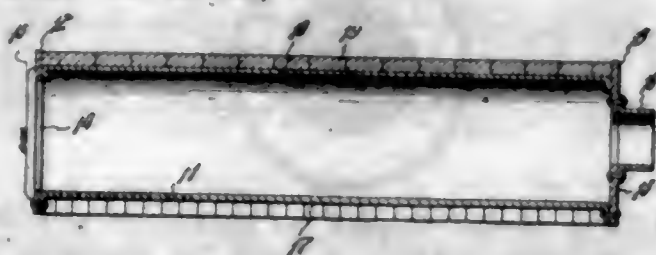
1,517,205. DOOR HINGE. EARNEST FLAGG, New York, N. Y. Filed Apr. 15, 1922. Serial No. 552,902. 1 Claim. (Cl. 16-128.)



A hinge construction which includes a screw eye projecting into a door jamb, a plate having an aperture through which the screw eye passes, said plate disposed

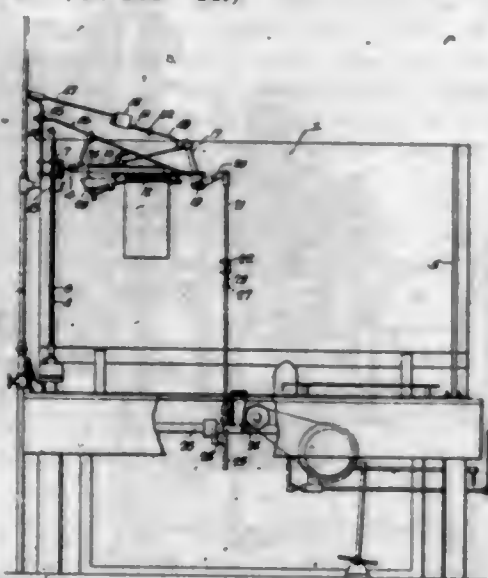
and fastened against the surface, of the jamb, a projecting tongue on said plate embedded in the surface of the jamb to anchor the plate therein.

1,517,206. FURNACE. LEE COY FOUNTAIN, Kingsburg, S. C. Filed Oct. 13, 1923. Serial No. 668,412. 1 Claim. (Cl. 34-18.)



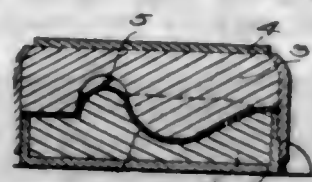
A furnace embodying a metallic casing including side, top and bottom walls, a perforated section provided in the bottom wall adjacent one end thereof, end walls, said end walls projecting beyond the side and top walls to define flanges and below the bottom wall to define supports, a brick covering for the lining between said flanges and flush with the outer edges thereof, a door in one end wall and a flue extension projecting from the other end wall.

1,517,207. DEVICE FOR PRINTING ARTICLES. ARTHUR M. GALLAGHER and HARRY F. WANAMAKER, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1922. Serial No. 559,804. 7 Claims. (Cl. 101-44.)



1. The combination in apparatus for drying stockings and like articles, of a drying chamber; stocking forms; means for intermittently moving the forms, with the stockings thereon, through the drier; and means actuated by said first named means for applying printed matter to each dried stocking while at rest and before it is removed from the drying apparatus.

1,517,208. DENTAL DEVICE. ROBERT HAMILTON GILLESPIE and JAMES GLENN VAUGHN, Pine Bluff, Ark. Filed Oct. 24, 1922. Serial No. 596,626. 5 Claims. (Cl. 18-47.)



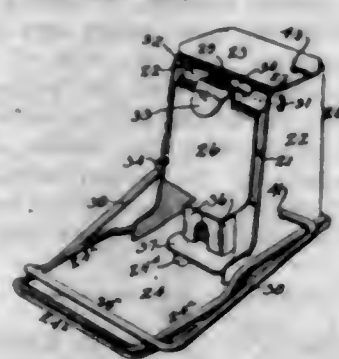
1. The herein described method of forming dental molds for use in producing vulcanite dentures which consists in providing two complementary casts of plaster or like material and then providing upon the palatine face of the model a preformed sheet of protective material possessing inherent elasticity.

1,517,209. TAIL CLAMP. WILLIAM T. GLUD, Manette, Wash. Filed Jan. 16, 1924. Serial No. 686,577. 1 Claim. (Cl. 119-105.)



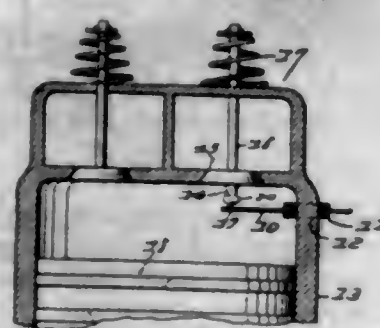
In combination, a pair of right angularly disposed clamping devices, one of said devices being adapted to be attached to the leg of the animal, and the other of said devices clamped to the tail of the animal, each of said devices including a spring, normally closed pivoted jaws, the jaws of the first mentioned device having enlarged central openings through which the other of said clamping devices is passed, ears arranged to project beyond the opposed sides of the jaws of each device and a pivot passed through all of the ears of both of said devices and holding said device operatively associated.

1,517,210. ANIMAL TRAP. GEORGE W. GOMBER, Conyngham, Pa., assignor to A. W. Drake Manufacturing Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Mar. 14, 1923. Serial No. 625,110. 16 Claims. (Cl. 43-81.)



2. In a trap, a frame having an open front, a trigger plate adapted to substantially close said front, means for pivoting the trigger plate at its upper portion to the frame, said trigger plate being movable outwardly of the housing and depending from the top of the frame and accessible for operation at the bottom of the trap, a jaw pivotally mounted on the frame and adapted to be engaged with the trigger plate when swung upwardly to set the trap, and a spring for the jaw.

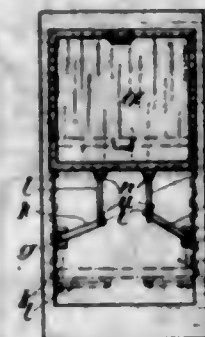
1,517,211. SPARK PLUG. WENNIE ALOUIS GRUBER, Pine River, Minn. Filed July 11, 1922. Serial No. 574,278. 1 Claim. (Cl. 123-169.)



A sparking apparatus having an insulated positive terminal arranged in the path of movement of a negative or grounding terminal carried by the intake valve of a

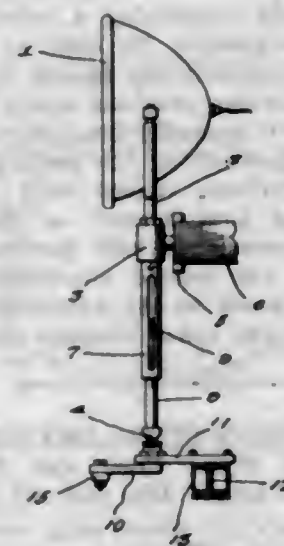
cylinder, the first-named terminal being provided at its extremity with a ring or eye, and the second-named terminal having a globular extremity for engagement with the ring or eye.

1,517,212. SLIDING WINDOW CONTROLLED BY SPIRAL SPRING. AUGUST HIEBER, Cannstatt-Stuttgart, Germany. Filed Aug. 8, 1921. Serial No. 489,636. 6 Claims. (Cl. 16-200.)



1. A sliding window controlled by a spiral spring comprising in combination with the window sash slidable in the window frame and with a spiral spring, a housing for said spring of square cross section, an axle for said spring fixed in said housing, a holder for said housing embedded in said window frame, a one armed lever fixed upon said axle of the spring an upper arm pivotally connected with the upper end of said lever and having a slot at its upper end, a stud projecting from the window sash engaging with said slot of the upper part of the lever and a stop for the lever adapted to be fixed in said spring housing at different positions with regard to the said spring axle.

1,517,213. MOVABLE HEADLIGHT. CHARLES HODGKINS, Rowley, Mass. Filed Sept. 23, 1922. Serial No. 590,066. 1 Claim. (Cl. 240-62.)



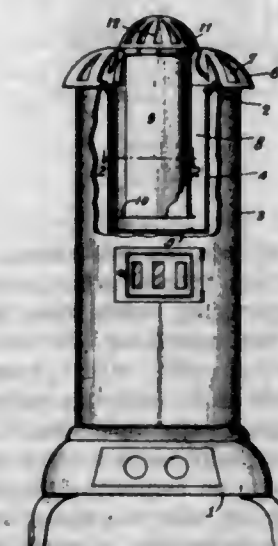
In a motor vehicle, an upper and lower bracket attached to a part of the vehicle, the upper bracket having a horizontally arranged socket therein, a sleeve, a disc connected therewith and rotatably mounted in the socket, a head lamp having its standard rotatably mounted in the sleeve, a slotted tubular member connected with the lower end of the standard, a rod fitting in the tubular member and having a projection thereon engaging the slot therein, a crank rotatably supported in the lower bracket, a flexible joint between the crank and the lower end of the rod, an arm connected with the steering mechanism and a link connecting the arm with the crank.

1,517,214. SPRING-BEARD KNITTING NEEDLE. JOHN LAWSON, Pawtucket, R. I., and EVERETT A. QUINT, New Brunswick, N. J., assignors to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Original application filed July 24, 1923. Serial No. 653,457. Patent No. 1,500,627, dated July 8, 1924. Divided and this application filed Apr. 8, 1924. Serial No. 705,137. 4 Claims. (Cl. 66-5.)



1. A spring beard needle of the independent type integral throughout and having a flattened butt of materially greater cross section than the corresponding cross section of the greater portion of the needle stem, said butt having its greater dimension in the plane of the needle stem, said butt being adapted to be received directly in the cam groove of the cam ring with a close running fit.

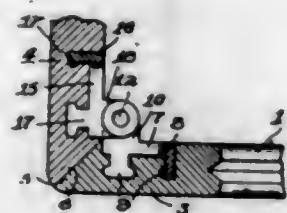
1,517,215. HEATING STOVE. MYRON W. MCCULLOUGH, Brooklyn, N. Y. Filed May 7, 1923. Serial No. 637,213. 1 Claim. (Cl. 126-70.)



In a heating stove of the character described, a solid ring secured at its outer edge to the top of the body of the stove in such a manner as to be airtight, a drum open at the top and closed at the bottom secured to said ring for filling the bore thereof, said open end facing upwardly, a covering structure for said body having openings permitting the entrance of air into said drum, a tubular heated air discharge member arranged in said drum and extending to near the bottom thereof, the bottom end of said tubular member being flared for causing the air passing downwardly in said drum to be deflected toward the bottom of the drum, and a covering member rigidly secured to said tubular member and engaging the

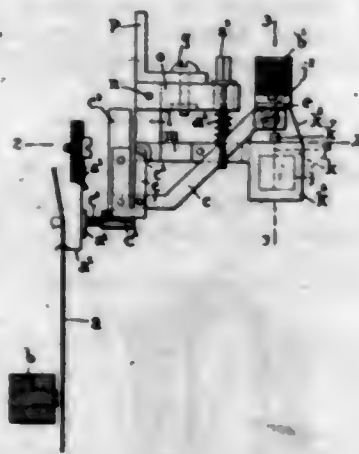
first mentioned covering member so as to act as a support for the tubular member, said second mentioned covering member being formed with openings whereby air passing upwardly through the tubular member may be discharged above the first mentioned covering member.

1,517,216. OPTHALMIC MOUNTING. WILLIAM E. McDONELL, Rochester, N. Y., assignor to Shur-On Optical Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Mar. 23, 1922. Serial No. 546,130. 9 Claims. (Cl. 88—53.)



1. In combination with a part made from non-metallic material, a hinge member having two ears, and a U-shaped portion from the sides of the arms of which said ears extend parallel with said arms, said U-shaped portion being embedded in the non-metallic material.

1,517,217. DAMPER FOR CONTACT-BREAKER DEVICES FOR ELECTROMAGNETIC VIBRATING MEMBERS. ALCEIDE HECTOR MAITRE and VICTOR HENRI GASTON MARTIN, Rouen, France. Filed Apr. 14, 1922. Serial No. 552,508. 7 Claims. (Cl. 84—261.)

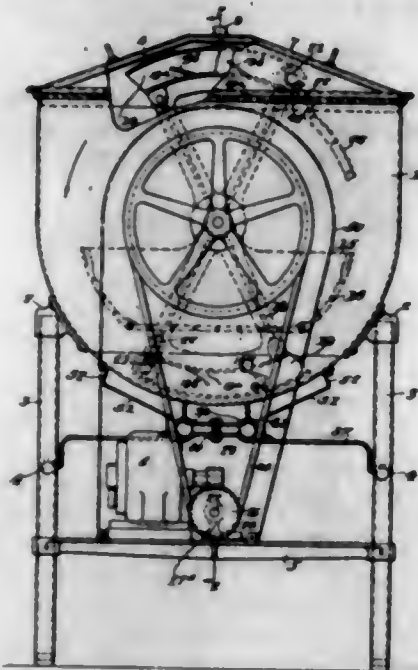


3. In an electric circuit, an electro-magnetically vibrated member, a contact vibrating in unison therewith, a second contact cooperating with the first mentioned contact to complete the operating electro-magnetic circuit, a frame member, a rocker arm pivotally mounted on said frame member and carrying said second contact, means electromagnetically operating in said circuit and adapted to vibrate said second contact and to produce forced breaks at the beginning of the vibration, said means comprising an electromagnet carried by the frame member and an armature carried by the rocker arm, a fixed vessel containing a viscous liquid, plunger connected to the movable arm and immersed in said viscous liquid, said plunger being of sectional area slightly less than that of the liquid-containing vessel, for the purpose described.

1,517,218. DISHWASHING MACHINE. RICHARD MARX, Philadelphia, Pa. Filed Sept. 30, 1920. Serial No. 413,901. 5 Claims. (Cl. 141—9.)

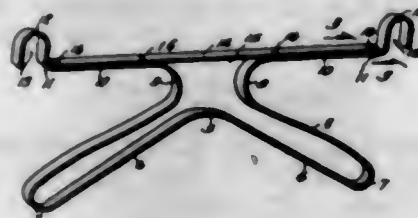
1. The combination in a dish washing machine of a casing; a pair of arms rotatably mounted in the casing; at least one elongated container carried by the

arms and formed with a series of partitions dividing it into chambers each provided with an outlet; means for rotating the arms with said container and a dish



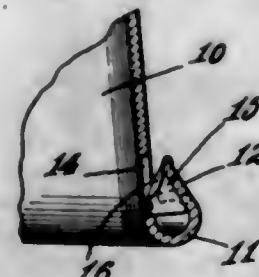
holder in the casing positioned to receive water delivered from the container when this has been moved to the upper part of the casing.

1,517,219. GARMENT HANGER. CLARENCE L. MILLER, Brooklyn, N. Y. Filed Dec. 7, 1923. Serial No. 679,148. 1 Claim. (Cl. 211—13.)



A garment hanger comprising a relatively thin strip of metal bent intermediate its ends at points opposite to its center and equidistantly spaced therefrom to provide inwardly projecting portions overlying the straight portion, each of said inwardly bent portions being again outwardly bent and overlying the inwardly bent portions with their bent portions spaced with respect to each other, a supporting hook formed on the outer end of each of said last-mentioned bent portions and a brace rigidly secured to the second mentioned bent portions and extending from one of the supporting hooks to the other and bridging the space between the bent portions.

1,517,220. THREAD-CUTTING DEVICE. WALTER K. POULSON, Upton, Wyo. Filed Apr. 8, 1922. Serial No. 550,714. 1 Claim. (Cl. 223—51.)



The combination with a thimble having a rolled edge including an upward extension, of a cutting element bent outwardly from the wall of the thimble toward said extension and protected thereby, the extension constituting a guard.

1,517,221. PROCESS OF RECLAIMING RUBBER MATERIALS AND THE PRODUCT. GEORGE J. MEAD, Chicago, Ill., and CLEMENT A. ROSSBACH, Milwaukee, Wis., assignors to The Fisk Rubber Company, Chicago Falls, Mass., a Corporation of Massachusetts. Filed May 3, 1922. Serial No. 558,284. 4 Claims. (Cl. 18—52.)

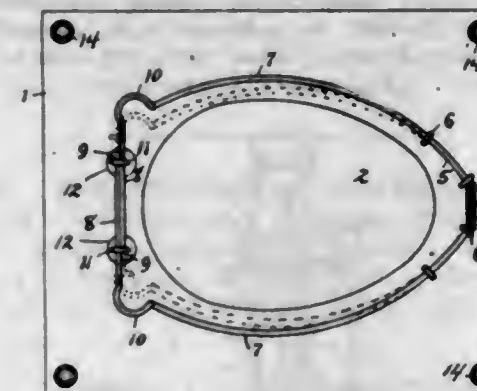
1. The method of preparing a raw material which comprises shredding vulcanized rubberized fibrous material, separating out the free rubber, devulcanizing the vulcanized rubberized fibrous material, and adding unvulcanized rubber.

1,517,222. LOOSE-SHEET BINDER. SAMUEL SMILEY, Jr., Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 14, 1923. Serial No. 625,102. 2 Claims. (Cl. 24—153.)



2. A loose sheet binder clip, comprising a tubular member, adapted to be secured to a folder sheet, said member at its opposite ends having aligned notches for receiving and confining the opposite tongue ends of a strip engaged within said tubular member, and a strip extended through said tubular member and bent to provide tongue ends respectively engaged in and extending from said notches, providing means for engaging through and binding loose sheets.

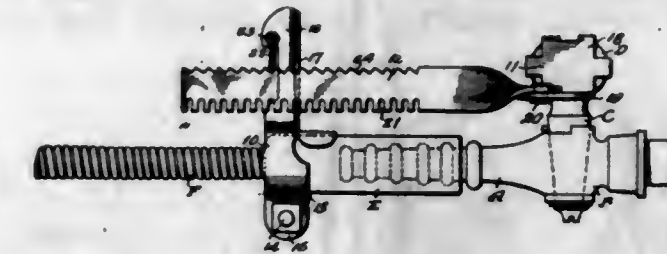
1,517,223. TOILET-SEAT ATTACHMENT. GEORGE H. VAN ARNAM, Fort Wayne, Ind., assignor to Van Arnám Manufacturing Company, a Corporation of Indiana. Filed Aug. 14, 1924. Serial No. 731,927. 4 Claims. (Cl. 4—239.)



1. A child's seat attachment for a regular toilet seat comprising an apertured supplemental seat applicable to be superimposed upon the regular seat, a spring wire frame secured rigidly to the front portion of the supplemental seat on the bottom thereof, having rearwardly extending laterally movable arms disposed respectively between the corresponding sides of said seat and its aperture, each of which has a transversely disposed terminal with a stop formed at its extreme end, said terminals overlapping each other, there being formed at the front end of said frame a pendant loop, and at the juncture of each of said terminals with the corresponding arm a pendant hook with an outwardly turned extremity; a pair of staples spaced apart loosely engaging said extremities between the stops thereof and secured to said seat at the back portion thereof and

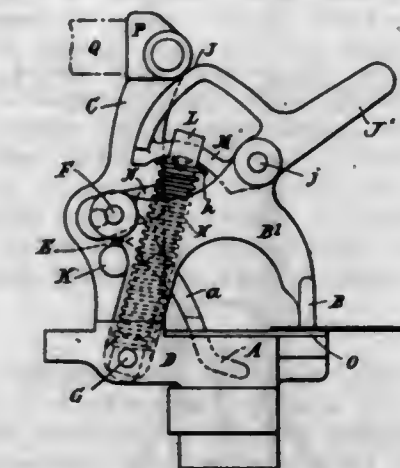
operable to limit lateral movement of said extremities by engagement with the corresponding stops and hooks; and a pair of friction discs interposed between said extremities and the seat secured in place by the corresponding staples.

1,517,224. HOSE COUPLING. JAMES JOSEPH WALSH, Brooklyn, N. Y. Filed Dec. 26, 1923. Serial No. 682,741. 3 Claims. (Cl. 251—166.)



1. The combination with a valved outlet nozzle and a hose connected thereto, of means of connection between the hose and the valve for respectively closing the valve when opened, in event of disconnection of the hose from the outlet nozzle, and for locking the valve in closed position against accidental opening movement of the same, said means comprising a member rigidly secured to the hose, a member engaged with the valve, and interengageable adjustable connection between said members.

1,517,225. CLIP FOR STENTERING MACHINES. ALFRED AUSTIN WHITLEY, Prestwich Park South, near Manchester, England. Filed Mar. 15, 1923. Serial No. 625,386. 4 Claims. (Cl. 26—62.)



1. In a stentering machine clip having an upper jaw provided with arms hinged to the body part of the clip, a hinged gauge tongue, arms for said gauge tongue, one of said gauge tongue arms being arranged outwards of one of the upper jaw arms, an abutment on the body part of the clip, and a projection on said outward gauge tongue arm adapted to engage said abutment when said gauge tongue is resting on the fabric; in combination with a wedging cam hinged to the upper jaw arms, a spring adapted to press said wedging cam against the body part of the clip, and means whereby the gauge tongue is raised as the upper jaw is opened; all arranged so that the pressure which is exerted by said spring upon the upper jaw does not exert objectionable pressure upon the gauge tongue as it rests upon the fabric.

1,517,226. JARRING APPLIANCE FOR BAILERS. JAMES E. WHITMILL and ISAAC BRUMAGE, Desdemona, Tex.; said Brumage assignor to said Whitmill. Filed May 4, 1921. Serial No. 466,730. 1 Claim. (Cl. 166—19.)

A jarring attachment for bailers consisting in the combination with a bailer tube or cylinder, of an anvil provided with diverging depending arms secured to said

baller tube or cylinder, the anvil being axially bored, a farring stem slidably mounted in the bore of the anvil, and upper and lower spaced heads carried by the stem

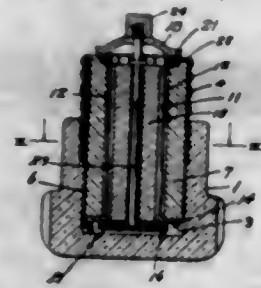


1,517,228. PLIERS. EDWIN H. BRODEN, Edgewood, Borough, Pa., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Mar. 19, 1924. Serial No. 700,317. 8 Claims. (Cl. 7-3.)



1. In a cutting tool, a pair of cutting and gripping members relatively movable about a common axis, and an independent gripping member co-operating with at least one of said cutting and gripping members and rotatable about said common axis.

1,517,229. FUSE PLUG. ARTHUR BRUNNER, San Francisco, Calif. Filed July 31, 1922. Serial No. 578,686. 1 Claim. (Cl. 36-29.)



A fuse plug comprising two concentric cylindrical members of insulating material, an electrical terminal centrally disposed with respect to the inner of said members, an electrical terminal peripherally disposed with respect to the outer of said members, a series of grooves between said members, fusible conductors in said grooves, said conductors all electrically connected to one terminal of the plug and each provided with a spring clip adapted to independently contact a conductor from the other terminal of the plug when in register therefor.

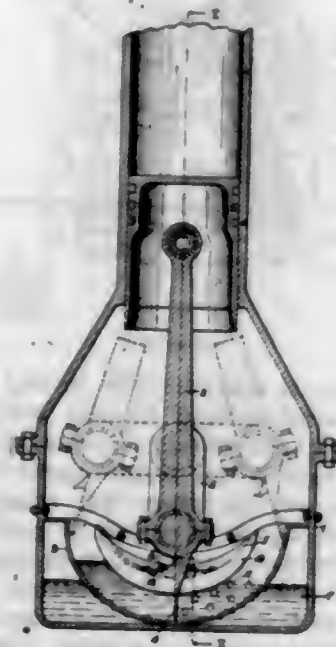
1,517,230. ENGINE STARTER. ARTHUR W. FERRIN, Keyport, N. J., assignor, by mesne assignments, to New Jersey Motors, Inc., Keyport, N. J., a Corporation of New Jersey. Filed Dec. 22, 1922. Serial No. 608,405. 8 Claims. (Cl. 74-7.)



1. Engine starting mechanism comprising a starter shaft, an engine shaft, a bearing on the engine shaft, a sprocket wheel on the starter shaft and a sprocket wheel rotatably mounted on the bearing surrounding

above and below the anvil for alternate contact with the same, the upper head being detachable and provided with a suspending loop to which an operating cable may be attached.

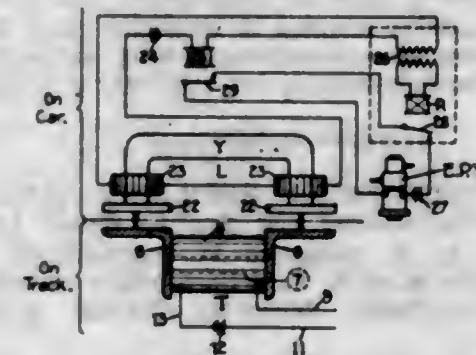
1,517,227. OIL-CIRCULATING SYSTEM. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 22, 1920. Serial No. 418,804. Renewed Apr. 23, 1924. 9 Claims. (Cl. 134-13.)



6. In a lubricating system for an internal combustion engine, a casing, a crank journaled therein, a piston rod mounted on said crank having oil propelling means at one end, a reservoir in the base of said casing, an annular channel partly submerged in said reservoir having a slot in one of its walls, and passageways in certain of its walls communicating with said reservoir, an auxiliary container above said reservoir between the ends of said channel, said container having upwardly diverging walls with overflow passageways for draining excess accumulation of oil from said container, said propelling means elevating oil from said reservoir to said container, and auxiliary means mounted on said piston rod above said propelling means for splashing oil from said container to lubricate the engine.

the engine shaft, a chain connecting said wheels and lever means between said sprocket wheels, operable upon movement of one of said wheels to operatively engage the other wheel with said engine shaft.

1,517,231. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Original application filed May 15, 1919, Serial No. 297,343, now Patent No. 1,510,496, dated Oct. 7, 1924. Divided and this application filed Jan. 24, 1923. Serial No. 614,592. 7 Claims. (Cl. 246-63.)

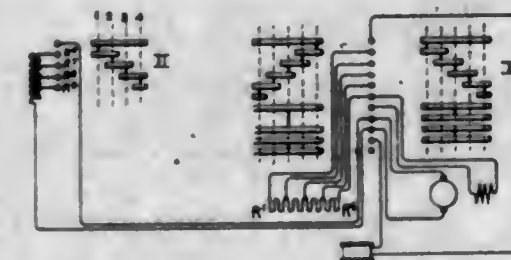


1. In an automatic train control system, a car-carried element adapted to be influenced inductively by a track-way element and including a magnetic yoke and coils; a circuit for energizing said coils including a battery, a check relay, and the primary of a transformer, a control relay connected in circuit with the secondary of said transformer; and automatic train control means governed jointly by said check relay and said control relay.

1,517,232. SMELTING ORES OR THE LIKE. LUDWIG HEINRICH DIEHL, Darmstadt, Germany. Filed Sept. 6, 1921. Serial No. 498,954. 7 Claims. (Cl. 75-17.)

1. The treatment of ores or the like containing iron, zinc and sulphur by desulphurizing them, smelting them in a blast-furnace in presence of a chloride along with the appropriate fluxing and other ingredients of a blast-furnace charge, tapping off the molten iron produced and collecting the volatilized zinciferous material carried out of the furnace by the gases.

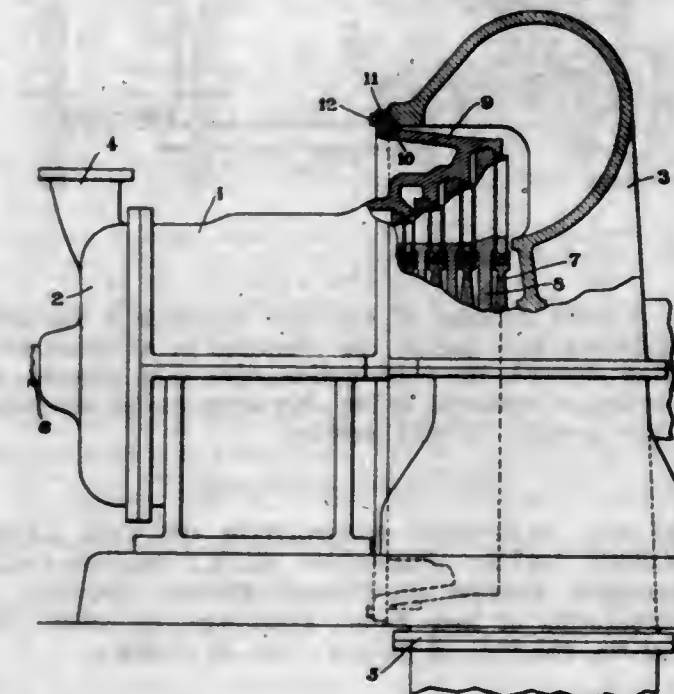
1,517,233. ELECTRIC-MOTOR CONTROL. HAMMOND CHARLES HASTINGS and CHARLES THOMAS HANNA, Rugby, England, assignors to General Electric Company, a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,226. 3 Claims. (Cl. 172-179.)



1. Means for controlling a variable resistor in series with the armature of an electric motor and for controlling a shunt circuit to the motor armature comprising a cylinder having an off and a plurality of operative positions for controlling the said series resistor, separately operable switch mechanism for controlling the said shunt to the motor armature, and interlocking connections between the said cylinder and the

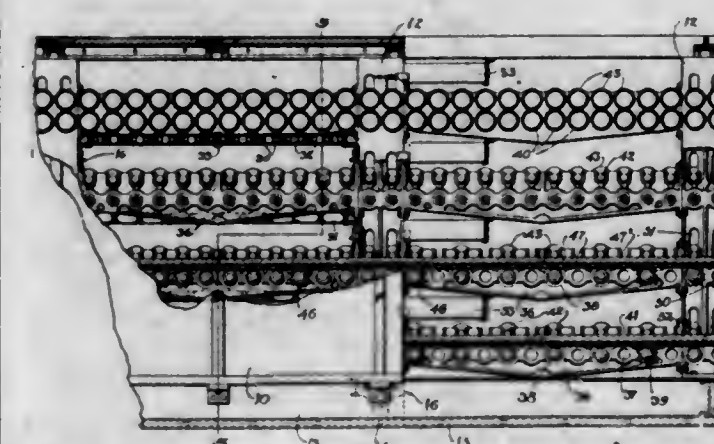
said switch mechanism for preventing establishing the shunt about the motor armature unless the said cylinder is in the off position and for then preventing short circuiting the entire series resistor by the said cylinder with the armature shunt established by the said switch mechanism.

1,517,234. ELASTIC-FLUID TURBINE. OSCAR JUNGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 24, 1923. Serial No. 653,469. 6 Claims. (Cl. 253-69.)



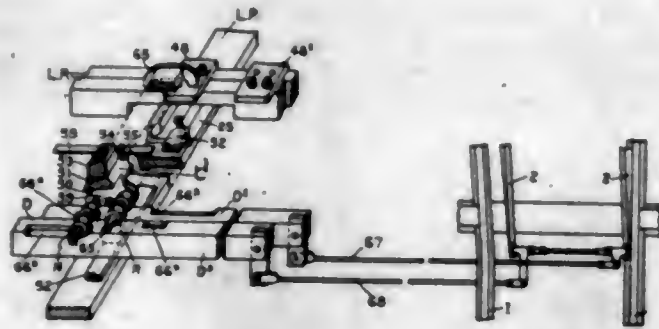
1. In an elastic fluid turbine, the combination of a casing, an exhaust housing which partially surrounds the low pressure end of the casing, and an axially-extending ring which connects the housing to the low pressure end of the casing, said ring serving to permit relative radial expansion between the casing and housing, and serving also to connect the exhaust housing to the coolest part of the turbine casing.

1,517,235. DRIER FOR VENEER AND THE LIKE. WILLIAM H. COLLIER and ARTHUR J. VANCE, Painesville, Ohio, assignors to The Coe Manufacturing Company, Painesville, Ohio, a Corporation of Ohio. Filed July 31, 1922. Serial No. 578,768. 10 Claims. (Cl. 34-12.)



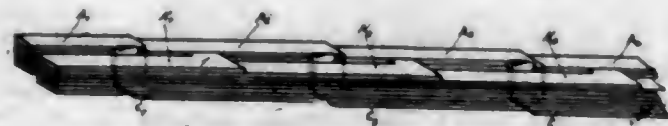
1. In a device of the kind described, a drying chamber, steam heating coils in one end of the chamber, other coils at the other end of said chamber, and means external to the chamber to force the condensate of the first coils through the second coils.

1,517,236. POINT DETECTOR. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Nov. 1, 1920. Serial No. 421,009. 19 Claims. (Cl. 246-253.)



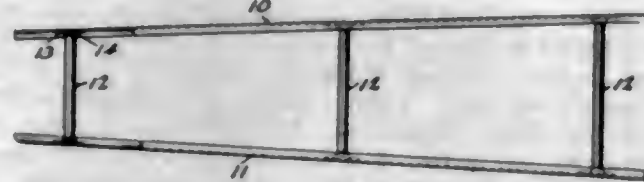
5. A point detector of the type in which a plurality of detecting bars govern the operation of a circuit controlling element, the combination with said element, of other means connected to the switch points for determining the position of said element.

1,517,237. ELECTRIC CONDUCTOR OF THE LAMINATED TYPE. FRIEDRICH KADE, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Apr. 18, 1922. Serial No. 555,194. 4 Claims. (Cl. 171-206.)



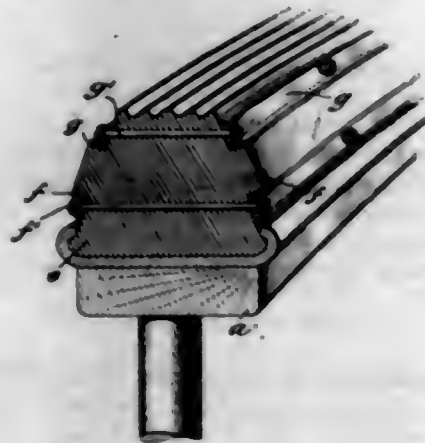
1. In a dynamo electric machine, an electrical conductor comprising a number of laminæ, each consisting of two substantially parallel portions located in different parallel planes and a bridging portion connecting the sides of said parallel portions, the laminæ forming the conductor being assembled in two sets arranged side by side with the bridging portions located between said sets.

1,517,238. PROCESS OF CONNECTING METAL PARTS BY ELECTRIC WELDING. RICHARD STRESAU, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Dec. 8, 1922. Serial No. 605,589. 6 Claims. (Cl. 210-10.)



1. The process of connecting metal parts by electric welding which comprises the steps of forming one of such parts with a spherical embossment and the other as a tubular member adapted to be seated upon the said embossment, and permanently connecting the said parts by welding circumferentially at the line of contact of the parts.

1,517,239. COMPRESSION RESILIENT TIRE. ALFRED FELLOWS MASURY and AUGUST HARRY LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 20, 1923. Serial No. 626,420. 2 Claims. (Cl. 152-1.)



1. A solid vehicle tire of non-metallic material having a rim securing portion, annular retaining members disposed adjacent the rim securing portion upon opposite sides of the tire, through bolts connecting the annular members, annular retaining members adjacent the tread portion, and through bolts connecting said last named members to maintain the tread always under compression.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Mothproof bags. 191,127; Nov. 4; Serial No. 197,525; published July 22, 1924.

Acheson Harden Co., The, New York, N. Y. Handkerchiefs. 191,179; Nov. 4; Serial No. 195,148; published Aug. 5, 1924.

Acunto, Paul, doing business as Atlantic Bottling Works, Port Chester, N. Y. Beverage sold as a soft drink. 191,392; Nov. 4.

Akron Grocery Company, The, Akron, Ohio. Canned fruits, vegetables, and pork and beans. 191,340; Nov. 4; Serial No. 191,591; published Aug. 19, 1924.

Alberti Brothers, Los Angeles, Calif. Grapes. 191,301; Nov. 4; Serial No. 199,515; published Aug. 26, 1924.

Altman Fellerman Silk Company, Inc., New York, N. Y. Silk, imitation silk, pongee, and sea-island cotton in the piece. 191,184; Nov. 4; Serial No. 189,227; published Aug. 19, 1924.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 191,341; Nov. 4; Serial No. 193,492; published Apr. 29, 1924.

American Lead Pencil Company, New York, N. Y. Pencils. 191,245; Nov. 4; Serial No. 195,565; published July 8, 1924.

American Writing Paper Company, Holyoke, Mass. Announcement paper, cards, and mailing envelopes. 191,251; Nov. 4; Serial No. 190,484; published Feb. 26, 1924.

Aracoma Drapery Fabrics, Incorporated, New York, N. Y. Silk, cotton, wool, etc., draperies in the piece. 191,351-2; Nov. 4; Serial Nos. 196,784-5; published July 29, 1924.

Arrow Paint & Wall Paper Company, Denver, Colo. Paints, paint enamels, lead varnishes, and stains. 191,268; Nov. 4; Serial No. 182,642; published Aug. 19, 1924.

Atlantic Bottling Works. (See Acunto, Paul.)

Baker, H. W., Linen Company, New York, N. Y. Turkish towels. 191,130; Nov. 4; Serial No. 197,796; published July 29, 1924.

Baker, Norman G., doing business as Tangle Company, Muscatine, Iowa. Calliopes. 191,265; Nov. 4; Serial No. 191,359; published Aug. 12, 1924.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 191,165; Nov. 4; Serial No. 198,554; published Aug. 5, 1924.

Barteldes Seed Company, The, Lawrence, Kans. Hand planters. 191,177; Nov. 4; Serial No. 195,477; published Aug. 12, 1924.

Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle cases. 191,123; Nov. 4; Serial No. 196,645; published July 8, 1924.

Bay City Milling Company, Bay City, Mich. Coffee. 191,286; Nov. 4; Serial No. 198,170; published Aug. 26, 1924.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 191,382; Nov. 4.

Benegas Hnos. y Cia., Ltda. Soc. Anon. Industrial y Comercial, Buenos Aires, Argentina. Fresh and preserved fruits and vegetables. 191,190; Nov. 4; Serial No. 170,363; published June 10, 1924.

Benjamin, E. V., Co., Inc., The, doing business as Magnin's Cotton Mills, New Orleans, La. Cotton piece goods. 191,206-7; Nov. 4; Serial Nos. 199,459-60; published Aug. 12, 1924.

Benjamin, E. V., Co., Inc., The, doing business as Magnin's Cotton Mills, New Orleans, La. Cotton piece goods. 191,208; Nov. 4; Serial No. 199,457; published Aug. 12, 1924.

Benjamin, E. V., Company, Inc., doing business as Magnin's Cotton Mills, New Orleans, La. Cotton piece goods. 191,209; Nov. 4; Serial No. 199,456; published Aug. 19, 1924.

Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 191,143; Nov. 4; Serial No. 199,034; published Aug. 12, 1924.

Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 191,211; Nov. 4; Serial No. 199,340; published Aug. 12, 1924.

Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 191,212; Nov. 4; Serial No. 199,339; published Aug. 19, 1924.

Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 191,220; Nov. 4; Serial No. 199,033; published Aug. 12, 1924.

Blackman, Carl R., Barnwell S. Stuart, and Glenn W. Shaw, Denver, Colo. Scoring charts. 191,250; Nov. 4; Serial No. 190,441; published June 10, 1924.

Blank, Frederick, & Co., doing business as United States Cotton Mills, New York, N. Y. Cotton sheeting. 191,335; Nov. 4; Serial No. 147,151; published Aug. 19, 1924.

Blatz Products Company, Milwaukee, Wis. Malt sirup. 191,185; Nov. 4; Serial No. 188,656; published Aug. 26, 1924.

Blauer Goldstone Company, Chicago, Ill. Artificial pearls. 191,206; Nov. 4; Serial No. 191,053; published Aug. 26, 1924.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 191,142; Nov. 4; Serial No. 199,100; published Aug. 12, 1924.

Bond, Charles, Company, Philadelphia, Pa. Leather belting. 191,200; Nov. 4; Serial No. 180,414; published Aug. 26, 1924.

Bonita Co., The, Fond du Lac, Wis. Candy. 191,370; Nov. 4; Serial No. 189,097; published Aug. 26, 1924.

Bonnie-B Co., Inc., The, New York, N. Y. Hair nets. 191,158; Nov. 4; Serial No. 197,798; published July 29, 1924.

Borgfeldt, George, & Co., New York, N. Y. Vacuum bottles. 191,131; Nov. 4; Serial No. 198,053; published July 22, 1924.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,130; Nov. 4; Serial No. 199,209; published Aug. 12, 1924.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,137; Nov. 4; Serial No. 199,146; published Aug. 19, 1924.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,138; Nov. 4; Serial No. 199,145; published Aug. 12, 1924.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,139-40; Nov. 4; Serial Nos. 199,143-4; published Aug. 19, 1924.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,141; Nov. 4; Serial No. 199,142; published Aug. 12, 1924.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,213; Nov. 4; Serial No. 199,216; published Aug. 12, 1924.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,214; Nov. 4; Serial No. 199,214; published Aug. 19, 1924.

Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,215; Nov. 4; Serial No. 199,213; published Aug. 12, 1924.

Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,216; Nov. 4; Serial No. 199,212; published Aug. 19, 1924.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,217-18; Nov. 4; Serial Nos. 191,210-11; published Aug. 12, 1924.

Bridgeman-Russell Company, Duluth, Minn. Ice cream. 191,363; Nov. 8; Serial No. 198,397; published Aug. 26, 1924.

Bruno, C., & Son, Inc., New York, N. Y. Banjos, mandolins, guitars, etc. 191,376; Nov. 4.

Buchsbau, Samuel, doing business as S. Buchsbau & Co., Chicago, Ill. Jewelry cases. 191,375; Nov. 4; Serial No. 146,664; published July 29, 1924.

Cameo Record Corporation, New York, N. Y. Phonograph records. 191,332; Nov. 4; Serial No. 195,736; published Aug. 12, 1924.

Cardinal Candy Company, Chicago, Ill. Chocolate-covered potato chips. 191,209; Nov. 4; Serial No. 198,503; published Aug. 5, 1924.

Carolina Coffee Co., Charleston, S. C. Coffee. 191,255; Nov. 4; Serial No. 199,075; published Aug. 26, 1924.

Certain-teed Products Corporation, New York, N. Y. Linoleums, felt-base, floor coverings, composition floor coverings, etc. 191,347; Nov. 4; Serial No. 195,802; published Aug. 5, 1924.

Charles & Co., New York, N. Y. Cocoa, coffee, tea, barley, jellies, etc. 191,367; Nov. 4; Serial No. 195,154; published Aug. 26, 1924.

Chicago Bridge & Iron Works, Chicago, Ill. Storage tanks. 191,132; Nov. 4; Serial No. 198,114; published July 22, 1924.

Clover Leaf Cut Glass Co. (See Urbach, Wm.)

Cohn, Hall Marx Co., New York, N. Y. Printed terry cloth in the piece. 191,176; Nov. 4; Serial No. 195,494; published Aug. 5, 1924.

Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y. Typewriter ribbons and carbon paper. 191,253; Nov. 4; Serial No. 193,093; published Aug. 12, 1924.

Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y. Typewriter ribbons and carbon paper. 191,260; Nov. 4; Serial No. 191,260; published Aug. 12, 1924.

Continental Paper & Bag Mills Corporation, New York, N. Y. Tissue paper for skin-cleaning purposes. 191,314; Nov. 4; Serial No. 197,416; published July 22, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Conway, Carle C., Rutherford, O., Ainslie, and Theodore P. Brown, cotrustees doing business as Hallet & Davis Piano Company, Boston, Mass. Pianos and piano players, etc. 191,262; Nov. 4; Serial No. 192,214; published Aug. 26, 1924.

Corticelli Silk Company, The, Florence, Mass. Threads of silk, cotton, and wool. 191,117; Nov. 4; Serial No. 195,049; published Aug. 5, 1924.

Corticelli Silk Company, The, Northampton, Mass. Thread. 191,339; Nov. 4; Serial No. 188,802; published Aug. 5, 1924.

Cramer, O. P., Los Angeles, Calif. Racks, game pieces, etc., for playing Chinese dominoes. 191,354; Nov. 4; Serial No. 197,064; Aug. 26, 1924.

Crawford-Austin Manufacturing Co., Waco, Tex. Cotton-picker sacks. 191,133; Nov. 4; Serial No. 198,123; published July 22, 1924.

Crawford-Austin Manufacturing Co., Waco, Tex. Cotton-picker sacks. 191,384; Nov. 4.

Culman, Frederick, doing business as Frederick Culman Co., New York, N. Y. Brandy. 191,169; Nov. 4; Serial No. 198,733; published Aug. 26, 1924.

Cushion-Locked Pad Company, Chicago, Ill. Egg-case dividing boards. 191,394; Nov. 4.

David, B. Edmund, Inc., New York, N. Y. Silk piece goods. 191,175; Nov. 4; Serial No. 195,500; published Aug. 19, 1924.

Dexter, C. H., & Sons, Inc., Windsor Locks, Conn. Toilet tissue, and manifold paper. 191,312-3; Nov. 4; Serial No. 197,366-7; published July 22, 1924.

Dietrich, Ludwig M., New York, N. Y. Gaskets. 191,203; Nov. 4; Serial No. 193,647; published Aug. 26, 1924.

Dill Company, The, Norristown, Pa. Extract for the manufacture of a beverage. 191,219; Nov. 4; Serial No. 199,047; published Aug. 26, 1924.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 191,172; Nov. 4; Serial No. 198,849; published Aug. 12, 1924.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 191,244; Nov. 4; Serial No. 198,850; published Aug. 12, 1924.

Elgin American Manufacturing Co., Elgin, Ill. Cosmetic containers. 191,119; Nov. 4; Serial No. 190,010; published July 22, 1924.

Elmer's Incorporated, Milwaukee, Wis. Chocolate candy. 191,289; Nov. 4; Serial No. 198,295; published Aug. 26, 1924.

Emerson Watch Case Co., Inc., New York, N. Y. Watch-cases. 191,321; Nov. 4; Serial No. 197,018; published Aug. 26, 1924.

Enterprise Manufacturing Company, Spokane, Wash. Refrigerating machinery. 191,345; Nov. 4; Serial No. 195,164; published July 8, 1924.

Essex Rubber Company, Inc., Trenton, N. J. Rubber cement. 191,387; Nov. 4.

Farish Company, The, Greenwich, Conn., and New York, N. Y. Cotton sheeting. 191,154; Nov. 4; Serial No. 197,197; published Aug. 5, 1924.

Faultless Nightwear Corporation (E. Rosenfeld & Co.), Baltimore, Md. Cotton, linen, artificial-silk, and silk piece goods and admixtures of same. 191,300; Nov. 4; Serial No. 198,737; published Aug. 5, 1924.

Feltercraft Company, Inc., Paulsboro, N. J. Waterproof floor-covering materials. 191,145; Nov. 4; Serial No. 198,852; published Aug. 5, 1924.

Fils de R. Picard & Co., Fabrique Invicta, Invicta Manufacturing Co., La Chaux-de-Fonds, Switzerland. Watches, watch movements, watchcases, etc. 191,267; Nov. 4; Serial No. 198,750; published Aug. 26, 1924.

Fischer, Carl, Inc., New York, N. Y. Reeds for woodwind musical instruments. 191,319; Nov. 4; Serial No. 197,067; published Aug. 26, 1924.

Fisher, J. M., Co., Attleboro, Mass. Swivels, fobs, ornamental hairpins, etc. 191,275; Nov. 4; Serial No. 161,830; published Aug. 12, 1924.

Fisher, J. M., Company, Attleboro, Mass. Bracelets. 191,399; Nov. 4.

Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires. 191,229-30; Nov. 4; Serial Nos. 199,982-3; published Aug. 26, 1924.

Fitch, Ned D., Kalamazoo, Mich. Precious and semiprecious stones. 191,280; Nov. 4; Serial No. 197,268; published Aug. 12, 1924.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 191,202; Nov. 4; Serial No. 180,973; published July 8, 1924.

Ford Mica Company, Incorporated, New York, N. Y. Radiofrequency transformer for use in radio sets. 191,204; Nov. 4; Serial No. 188,673; published Mar. 18, 1924.

Freud, Tilghman A., doing business as I. X. L. Tire & Supply Company, Allentown, Pa. Preparation for punctures in tires. 191,385; Nov. 4.

Fried, Mendelson & Co., New York. Silk, cotton and silk, and cotton piece goods. 191,183; Nov. 4; Serial No. 191,067; published June 3, 1924.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh oranges. 191,364-5; Nov. 4; Serial Nos. 197,874-5; published Aug. 26, 1924.

Fulton Bag & Cotton Mills, Atlanta, Ga. Fabric bags. 191,158; Nov. 4; Serial No. 184,546; published July 8, 1924.

Georgia Mineral Products Co., The, Tate, Ga. Poultry grit. 191,201; Nov. 4; Serial No. 180,606; published Aug. 26, 1924.

Gilbert & Co., Inc., New York, N. Y. Finger rings. 191,234-8; Nov. 3; Serial Nos. 198,345-9; published Aug. 19, 1924.

Gilbert & Co., Inc., New York, N. Y. Finger rings. 191,290; Nov. 4; Serial No. 198,344; published Aug. 12, 1924.

Gilbert & Co., Inc., New York, N. Y. Finger rings. 191,291-4; Nov. 4; Serial Nos. 198,350-3; published Aug. 19, 1924.

Gilbert & Co., Inc., New York, N. Y. Finger rings. 191,295; Nov. 4; Serial No. 198,354; published Aug. 12, 1924.

Gilbert & Co., Inc., New York, N. Y. Finger rings. 191,296-7; Nov. 4; Serial Nos. 198,355-6; published Aug. 19, 1924.

Gilbert, William L., Clock Company, Winsted, Conn. Clocks. 191,326; Nov. 4; Serial No. 196,802; published Aug. 12, 1924.

Gilchrist Company, The, Newark, N. J. Plated spoons. 191,402; Nov. 4.

Glenbrook Worsted Mills, Woonsocket, R. I. Piece goods. 191,224; Nov. 4; Serial No. 198,942; published Aug. 12, 1924.

Good-Siegel, Inc., New York, N. Y. Watch dials and watch movements. 191,331; Nov. 4; Serial No. 196,057; published Aug. 12, 1924.

Goodyear, Cyrus S., Glendale, Calif. Salad and French dressings, mustard, sweet vegetable relish. 191,393; Nov. 4.

Gorham Manufacturing Company, Providence, R. I. Sterling-silver dinner service. 191,327; Nov. 4; Serial No. 196,588; published Aug. 26, 1924.

Graton & Knight Manufacturing Company, The, Worcester, Mass. Leather packings. 191,241; Nov. 4; Serial No. 196,384; published Aug. 26, 1924.

Grossman Brothers Company, Cleveland, Ohio. Musical instruments and supplies. 191,380; Nov. 4.

Gruenbaum, Theodore, Philadelphia, Pa. Maltless flavoring extracts, concentrates, and sirups. 191,153; Nov. 4; Serial No. 197,146; published Aug. 26, 1924.

Guggenheim, Karl, Inc., New York, N. Y. Brooches, scarfpins, and cuff buttons. 191,263; Nov. 4; Serial No. 192,177; published Aug. 26, 1924.

Gurney Refrigerator Company, Fond du Lac, Wis. Refrigerators. 191,344; Nov. 4; Serial No. 194,103; published Aug. 5, 1924.

Haartz, J. C., Company, Boston, Mass. Piece goods made wholly or in part of cloth and composition. 191,150; Nov. 4; Serial No. 197,879; published Aug. 19, 1924.

Hass Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, artificial silk, wool, etc. 191,226-8; Nov. 4; Serial Nos. 198,862-4; published Aug. 19, 1924.

Hallet & Davis Piano Company. (See Conway, C. C., Ainslie, and Brown, cotrustees.)

Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. 191,317; Nov. 4; Serial No. 197,074; published Aug. 12, 1924.

Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and watches. 191,318; Nov. 4; Serial No. 197,072; published Aug. 12, 1924.

Hamilton Garment Company, Inc., New York, N. Y. Clothing. 191,405; Nov. 4.

Hampson, Charles G., Co., Inc., Brooklyn, N. Y. Wall paper. 191,406; Nov. 4.

Handley, Edgar, doing business as Edgar Handley Bros., Bradford, England. Leather machine belting. 191,196; Nov. 4; Serial No. 179,149; published Aug. 26, 1924.

Handley Products Company, Penn Yan, N. Y. Salad dressings. 191,368; Nov. 4; Serial No. 195,108; published Aug. 26, 1924.

Hardwick & Magee Company, Philadelphia, Pa. Textile rugs. 191,407; Nov. 4.

Harris, Samuel A., New York, N. Y. Fountain pens. 191,307; Nov. 4; Serial No. 195,169; published July 22, 1924.

Hearn, James A., & Son, Inc., New York, N. Y. Table linen, linen towels, and toweling. 191,178; Nov. 4; Serial No. 195,289; published Aug. 12, 1924.

Heller, E., & Brother, Inc., New York, N. Y. Handkerchiefs. 191,180-1; Nov. 4; Serial Nos. 194,708-9; published Aug. 5, 1924.

Herrmann, Adolph S., New York, N. Y. Towels, face cloths, bath mats, and bath sheets. 191,343; Nov. 4; Serial No. 193,772; published Aug. 19, 1924.

Herrmann, Emil, doing business as Herrmann's Geigenhandlung, Emil Herrmann, Berlin, Germany. Musical instruments. 191,248; Nov. 4; Serial No. 188,754; published Aug. 12, 1924.

Herschman, Robert H., doing business as Victor Radio Manufacturing Co., New York, N. Y. Electrical apparatus. 191,252; Nov. 4; Serial No. 190,726; published Mar. 18, 1924.

Hewlett Brothers Company, Salt Lake City, Utah. Coffee, tea, spices, jams, etc. 191,205; Nov. 4; Serial No. 200,045; published Aug. 26, 1924.

Hight, W. T., Co., The, Boston, Mass. Glass Easter cups. 191,134; Nov. 4; Serial No. 198,236; published Aug. 19, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Hoffman Bros., Inc., New York, N. Y. Watches, clocks, etc. 191,287; Nov. 4; Serial No. 198,183; published Aug. 12, 1924.

Hoffman, Frank W., doing business as F. W. Hoffman & Company, Philadelphia, Pa. Brooms, brushes, and dusters. 191,378; Nov. 4.

Hohner, M., Inc., New York, N. Y. Harmonicas. 191,298; Nov. 4; Serial No. 198,400; published Aug. 26, 1924.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 191,121; Nov. 4; Serial No. 196,303; published Aug. 19, 1924.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 191,146; Nov. 4; Serial No. 198,709; published Aug. 5, 1924.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 191,164; Nov. 4; Serial No. 198,521; published Aug. 5, 1924.

Holland, Herbert G., Seattle, Wash. Liquid lotions. 191,246; Nov. 4; Serial No. 195,291; published July 8, 1924.

Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables. 191,257; Nov. 4; Serial No. 193,521; published Aug. 26, 1924.

Hunt-Spiller Manufacturing Corp., Boston, Mass. Piston rings and piston-ring springs. 191,239; Nov. 4; Serial No. 198,308; published Aug. 19, 1924.

I. X. L. Tire & Supply Company. (See Freed, Tilghman A.)

International Time Recording Company of New York, New York, N. Y. Clocks and time recorders. 191,325; Nov. 4; Serial No. 196,811; published Aug. 26, 1924.

Jacob, H., & Sons, Inc., doing business as Marolo Mills, New York, N. Y. Silk and cotton mixed piece goods. 191,170; Nov. 4; Serial No. 198,748; published Aug. 19, 1924.

Jordan Motor Car Company, Inc., Cleveland, Ohio. Automobiles and constructive parts thereof. 191,232; Nov. 4; Serial No. 199,357; published Aug. 26, 1924.

Keane, T. T., Company, Incorporated, Washington, D. C. Fresh, salt, smoked, and cured meats, pork products, and lard. 191,372; Nov. 4; Serial No. 181,081; published Aug. 26, 1924.

Keith, Irving L., Haverhill, Mass. Automatic refrigeration apparatus. 191,152; Nov. 4; Serial No. 198,310; published Aug. 12, 1924.

Kelsey Textile Corporation, New York, N. Y. Cotton piece goods. 191,125; Nov. 4; Serial No. 197,280; published Aug. 19, 1924.

Klauber Bros. & Co., New York, N. Y. Cotton piece goods. 191,350; Nov. 4; Serial No. 196,065; published Aug. 12, 1924.

Kunz Preparations Co. (See Minneapolis Brewing Company.)

Landers, Frary & Clark, New Britain, Conn. Laundry washing machines. 191,381; Nov. 4.

La Société Anonyme "Parapluie-Revel" Lyon, France. Umbrellas and parasols. 191,342; Nov. 4; Serial No. 193,525; published Aug. 5, 1924.

La Valliere Co., The, New Orleans, La. Antiseptic toilet powder. 191,390; Nov. 4.

Lederer, Charles, Chicago, Ill. Game. 191,336; Nov. 4; Serial No. 193,797; published Aug. 26, 1924.

Lederer, Herbert B., Corp., New York, N. Y. Textile goods in a piece, silk, artificial silk, cotton, wool, and mixtures thereof. 191,171; Nov. 4; Serial No. 198,751; published Aug. 19, 1924.

Leon, Henry H., Co., New York, N. Y. Handkerchiefs. 191,174; Nov. 4; Serial No. 195,582; published Aug. 19, 1924.

Levy, Maurice, New York, N. Y. Powder puffs. 191,167; Nov. 4; Serial No. 198,649; published Aug. 26, 1924.

Liberty Watch Case Co., New York, N. Y. Watchcases. 191,323; Nov. 4; Serial No. 196,917; published Aug. 12, 1924.

Linkman, M., & Co., Chicago, Ill. Smoking pipes. 191,144; Nov. 4; Serial No. 191,144; published Aug. 19, 1924.

Low, D. W., Los Angeles, Calif. Portable index and filing devices. 191,309; Nov. 4; Serial No. 196,600; published July 22, 1924.

Maginnis Cotton Mills. (See Benjamin, E. V., Co., Inc.)

Maginnis Cotton Mills. (See Benjamin, E. V., Company.)

Maillard, Henry, New York, N. Y. Confections. 191,282; Nov. 4; Serial No. 197,540; published Aug. 26, 1924.

Maiman, David, doing business as D. Maiman, Mfg. Co. (Not Inc.), Chicago, Ill. Trousers. 191,189; Nov. 4; Serial No. 174,210; published Aug. 12, 1924.

Maine Music Co., Portland, Me. Pianos and phonographs. 191,377; Nov. 4.

Malenka-Sagar Co., Inc., New York, N. Y. Finger rings. 191,333; Nov. 4; Serial No. 195,297; published Aug. 12, 1924.

Marathon Company, Attleboro, Mass. Belt buckles. 191,274; Nov. 4; Serial No. 178,052; published Aug. 26, 1924.

Marietta Knitting Company, Marietta, Ga. Rugs. 191,222; Nov. 4; Serial No. 199,012; published Aug. 12, 1924.

Marolo Mills. (See Jacob, H., & Sons, Inc.)

Martin, Henry, Company, Utica, N. Y. Clothing. 191,398; Nov. 4.

Martocello, F. A., Macaroni Co., Minneapolis, Minn. Candy. 191,366; Nov. 4; Serial No. 197,549; published July 29, 1924.

Mazer-Cressman Cigar Co., The, Philadelphia, Pa. Cigars. 191,147-8; Nov. 4; Serial No. 198,813-14; published Aug. 26, 1924.

Mazer-Cressman Cigar Co., The, Philadelphia, Pa. Cigars. 191,223; Nov. 4; Serial No. 198,952; published Aug. 26, 1924.

Mazer-Cressman Cigar Co., The, Philadelphia, Pa. Cigars. 191,225; Nov. 4; Serial No. 198,875; published Aug. 26, 1924.

McBratney, Robert & Company, Incorporated, New York, N. Y. Dress and suiting linens in the piece. 191,221; Nov. 4; Serial No. 199,013; published Aug. 19, 1924.

McDonald, J. G., Chocolate Company, Salt Lake City, Utah. Candy. 191,356; Nov. 4; Serial No. 199,378; published Aug. 26, 1924.

Memucator Co., The. (See Spencer, Howard C.)

Meyer, N. S., Inc., New York, N. Y. Buttons, metal insignia and ornaments, Army and Navy equipment. 191,259; Nov. 4; Serial No. 193,344; published Aug. 26, 1924.

Middlesex Lace and Embroidery Works. (See Sennhauser, Walter.)

Miller-Bryant-Pierce Company, The, Aurora, Ill. Inked ribbons and carbon papers. 191,240; Nov. 4; Serial No. 196,398; published Aug. 12, 1924.

Miller's, Jacob, Sons, Co., Philadelphia, Pa. Cotton, silk, linen, and mixture piece goods. 191,162-3; Nov. 4; Serial Nos. 198,416-17; published Aug. 5, 1924.

Minneapolis Brewing Company, doing business as Kunz Preparations Co., Minneapolis, Minn. Bay rum, witch-hazel, alcohol body rub, etc. 191,197; Nov. 4; Serial No. 179,159; published Aug. 26, 1924.

Minnesota Crosby Corn Exchange, Minneapolis, Minn. Canned vegetables. 191,395; Nov. 4.

Madison Woolen Co., Madison, Me. Woolen piece goods. 191,166; Nov. 4; Serial No. 198,577; published Aug. 5, 1924.

Modern Refrigerator Company, The, Peru, Ind. Refrigerators. 191,168; Nov. 4; Serial No. 198,663; published Aug. 12, 1924.

Murray Products Company, The, Detroit, Mich. Porch boxes, tubs, etc. 191,124; Nov. 4; Serial No. 197,211; published July 8, 1924.

Mutual Thread Company, New York, N. Y. Threads and yarns. 191,135; Nov. 4; Serial No. 199,564; published Aug. 12, 1924.

Myers Paper Company, Memphis, Tenn. Writing paper, envelopes, paper napkins, etc. 191,305; Nov. 4; Serial No. 192,783; published July 8, 1924.

Myers Paper Company, Memphis, Tenn. Writing tablets, pencils, crayons, etc. 191,310; Nov. 4; Serial No. 196,607; published July 22, 1924.

Nathan & Cohen Co., Inc., New York, N. Y. Crêpe of cotton and silk. 191,160; Nov. 4; Serial No. 198,082; published Aug. 19, 1924.

National Grocer Company, Detroit, Mich. Cigars. 191,186; Nov. 4; Serial No. 188,423; published Aug. 26, 1924.

New Haven Clock Co., The, New Haven, Conn. Watches. 191,320; Nov. 4; Serial No. 197,037; published Aug. 26, 1924.

Newsham Insurance System Co., San Francisco, Calif. Printed forms. 191,803; Nov. 4; Serial No. 190,606; published July 8, 1924.

Niagara Wall Paper Co., Niagara Falls, N. Y. Wall coverings such as wall paper. 191,198-9; Nov. 4; Serial Nos. 180,189-90; published July 8, 1924.

Novelty Products, Inc., Chicago, Ill. Containers for food products. 191,122; Nov. 4; Serial No. 196,542; published July 8, 1924.

Olympia Canning Company, Olympia, Wash. Canned berries and fruits. 191,276; Nov. 4; Serial No. 199,714; published Aug. 26, 1924.

Orange Crush Company, Chicago, Ill. Food and ice cream flavors. 191,373; Nov. 4; Serial No. 176,498; published Aug. 26, 1924.

Parker Pen Co., Janesville, Wis. Pens and pencils. 191,306; Nov. 4; Serial No. 193,677; published July 8, 1924.

Pennsylvania Rubber Company, Jeannette, Pa. Rubber tires. 191,388; Nov. 4.

Peoples Drug Stores, Inc., Washington, D. C. Candies, sandwiches, pies, etc. 191,369; Nov. 4; Serial No. 189,912; published Aug. 5, 1924.

Pierson Company, The, Rockford, Ill. Phonographs and phonograph-record-holding albums. 191,264; Nov. 4; Serial No. 192,084; published Aug. 12, 1924.

Pollock, Robert T., Boston, Mass., assignor to Pollock Pen Company. Ink containers for cartridge fountain pens. 191,192; Nov. 4; Serial No. 163,106; published June 17, 1924.

Posner & Pesselnik, New York, N. Y. Thread for stringing pearls and other beads. 191,334; Nov. 4; Serial No. 194,736; published Aug. 12, 1924.

Powers & Mayer Manufacturing Corporation, New York, N. Y. Wedding and other finger rings. 191,233; Nov. 4; Serial No. 198,420; published Aug. 12, 1924.

Quinlan Motors Company, Chicago, Ill. Automobile bodies. 191,337; Nov. 4; Serial No. 181,776; published Aug. 12, 1924.

Quisenberry Feed Mfg. Co., Kansas City, Mo. Poultry feed. 191,193-4; Nov. 4; Serial Nos. 164,773-4; published Apr. 3, 1923.

iv ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Railton, B. A., Company, Chicago, Ill. Vinegar, canned goods, etc. 191,195; Nov. 4; Serial No. 169,648; published Feb. 12, 1924.

Reese & Reese, Baltimore, Md. Papers. 191,302; Nov. 4; Serial No. 190,467; published July 8, 1924.

Republic Knitting Mills, Detroit, Mich. Hosiery. 191,386; Nov. 4.

Reynolds, E. W., Company, Los Angeles, Calif. Jewelry, table and toilet ware. 191,261; Nov. 4; Serial No. 192,793; published Aug. 12, 1924.

Roberts Cone Manufacturing Company, St. Joseph, Mo. Ice-cream cones. 191,360; Nov. 4; Serial No. 198,680; published Aug. 26, 1924.

Rocco Perretta & Co., Utica, N. Y. Macaroni and other alimentary pastes. 191,358; Nov. 4; Serial No. 198,884; published Aug. 26, 1924.

Rojo Fabian & Co., New York, N. Y. Cotton and woolen piece goods. 191,353; Nov. 4; Serial No. 196,972; published Aug. 5, 1924.

Roth, Ernst H., Co., Inc., New York, N. Y. Violins, violas, violoncellos, bass violas, etc. 191,316; Nov. 4; Serial No. 197,171; published Aug. 26, 1924.

Rothstein, Aaron J., New York, N. Y. Artificial-silk and real-silk yarn. 191,258; Nov. 4; Serial No. 193,357; published Aug. 5, 1924.

Rovira, Josephine G., New York, N. Y. Fancy doll bags, fancy purses, etc. 191,338; Nov. 4; Serial No. 181,778; published June 17, 1924.

Rumble, Chas. B., doing business as Chas. B. Rumble & Sons, Modesto and Salida, Calif. Peaches, apricots, and melons. 191,284; Nov. 4; Serial No. 197,835; published Aug. 26, 1924.

Russell & Fellman, New York, N. Y. Silk goods in the piece. 191,149; Nov. 4; Serial No. 198,682; published Aug. 10, 1924.

Ruxton, Philip, Incorporated, New York, N. Y.; Chicago, Ill.; Boston, Mass.; St. Paul, Minn.; and St. Louis, Mo. Printing inks. 191,379; Nov. 4.

St. Louis Pump & Equipment Company, St. Louis, Mo. Storage receptacles for oils. 191,173; Nov. 4; Serial No. 196,661; published July 8, 1924.

San Joaquin Grocery Co., Fresno, Calif. Kraft tray paper. 191,254; Nov. 4; Serial No. 193,128; published April 22, 1924.

Schayer, Morris, doing business as The Schayer Wall Paper & Painting Company, Denver, Colo. Plastic coating for wall board, pulpboard, millboard, etc. 191,247; Nov. 4; Serial No. 193,129; published Aug. 26, 1924.

Schreiber, Brantman & Wyner, Inc., New York, N. Y. Knitted goods. 191,157; Nov. 4; Serial No. 197,781; published Aug. 5, 1924.

Schwob, Adolph, Inc., New York, N. Y. Watches and watch movements. 191,324; Nov. 4; Serial No. 196,827; published Aug. 12, 1924.

Scrubby, George E., Birmingham, Ala. Paper boxes. 191,348; Nov. 4; Serial No. 196,138; published June 17, 1924.

Sellar, George, Glasgow, Scotland. Patterned cotton ginghams in the piece. 191,191; Nov. 4; Serial No. 153,980; published Aug. 19, 1924.

Sennhauser, Walter, doing business as Middlesex Lace and Embroidery Works, South River, N. J. Laces and embroideries. 191,156; Nov. 4; Serial No. 197,624; published Aug. 5, 1924.

Simson & Frey, Inc., New York, N. Y. Violins, violas, bass violas, etc. 191,279; Nov. 4; Serial No. 197,222; published Aug. 26, 1924.

Simson & Frey, Inc., New York, N. Y. Air musical instruments. 191,285; Nov. 4; Serial No. 198,090; published Aug. 26, 1924.

Simson & Frey, Inc., New York, N. Y. Saxophone and cornet reeds. 191,288; Nov. 4; Serial No. 198,260; published Aug. 12, 1924.

Snow, Jack D., New York, N. Y. Stylographic pens. 191,311; Nov. 4; Serial No. 197,223; published July 22, 1924.

Société Anonyme des Etablissements Rouzaud "a la Marquise de Sévigné" Chocolat de Royat, Royat-Je-Bains, France. Confectionery boxes. 191,150; Nov. 4; Serial No. 198,590; published Aug. 12, 1924.

Solar-Sturges Mfg. Co., Chicago, Ill. Milk cans. 191,115-16; Nov. 4; Serial Nos. 195,779-80; published Aug. 5, 1924.

Songster Phonograph Company Inc., Duluth, Minn. Phonographs and tone chambers. 191,256; Nov. 4; Serial No. 194,574; published Aug. 12, 1924.

Spencer, Howard C., doing business as The Memucator Co., Cambridge, Mass. Apertured envelopes and slips of paper. 191,304; Nov. 4; Serial No. 191,402; published July 22, 1924.

Stadlmair, Henry, Co., Inc., New York, N. Y. Banjos, guitars, mandolins, etc. 191,329; Nov. 4; Serial No. 196,408; published Aug. 12, 1924.

Stadlmair, Henry, Co., Inc., New York, N. Y. Banjos, guitars, ukuleles, etc. 191,330; Nov. 4; Serial No. 196,407; published Aug. 12, 1924.

Stevens, Inc., New Orleans, La. Men's suits. 191,389; Nov. 4.

Stevens Manufacturing Company, The, Fall River, Mass. Bedspreads. 191,161; Nov. 4; Serial No. 198,332; published Aug. 5, 1924.

Stewart Manufacturing Corporation, Chicago, Ill. Metal packing rings. 191,231; Nov. 4; Serial No. 190,957; published Aug. 26, 1924.

Stuart Packing Corporation, Seattle, Wash. Canned salmon. 191,269; Nov. 4; Serial No. 182,621; published Dec. 18, 1923.

Suchar Process Corporation, Dover, Del. Filters. 191,349; Nov. 4; Serial No. 196,553; published July 29, 1924.

Sunbeam Electric Manufacturing Co., Evansville, Ind. Electric washing machines. 191,272; Nov. 4; Serial No. 182,071; published Aug. 12, 1924.

Sweers, Riley, doing business as Riley Sweers Company, Toledo, Ohio. Clothespins. 191,315; Nov. 4; Serial No. 197,178; published Aug. 26, 1924.

Swift and Company, Chicago, Ill. Butter. 191,249; Nov. 4; Serial No. 189,079; published Jan. 15, 1924.

Tangley Company. (See Baker, Norman G.)

Tenenbaum, J., & Sons, New York, N. Y. Ladies' hats. 191,401; Nov. 4.

Tingue, Brown & Co., New York, N. Y. Laundry nets. 191,270-1; Nov. 4; Serial No. 182,077-8; published Aug. 26, 1924.

Tip-Top Bottling Company, St. Louis, Mo. Topping for ice-cream, confections, and fancy drinks. 191,322; Nov. 4; Serial No. 196,991; published Aug. 26, 1924.

Toledo Merchandise Company, The, Toledo, Ohio. Writing papers, tablets, and envelopes. 191,242; Nov. 4; Serial No. 195,786; published July 8, 1924.

Underwood-Talmage Co., The, Dayton, Ohio. Candy. 191,278; Nov. 4; Serial No. 199,441; published Aug. 26, 1924.

Underwood-Talmage Co., The, Dayton, Ohio. Candy. 191,355; Nov. 4; Serial No. 199,406; published Aug. 26, 1924.

Union Paper Company, New York, N. Y. Paper cans. 191,128; Nov. 4; Serial No. 197,568; published July 22, 1924.

United States Cotton Mills. (See Blank, Frederick, & Co.)

Urbach, Wm., doing business as Clover Leaf Cut Glass Co., Chicago, Ill. Cut and engraved glassware. 191,182; Nov. 4; Serial No. 193,431; published July 29, 1924.

Van Engers, Inc., Chicago, Ill. Candy. 191,361-2; Nov. 4; Serial Nos. 198,549-9; published Aug. 19, 1924.

Van Loan & Company, New York, N. Y. Spices, barley, rice flour, and pearl tapioca. 191,346; Nov. 4; Serial No. 195,556; published Aug. 19, 1924.

Verwer, Harry, Oakland, Calif. Accordions. 191,328; Nov. 4; Serial No. 196,416; published Aug. 12, 1924.

Victor Radio Manufacturing Co. (See Herschman, Robert H.)

Vilas, Fred L., Pierre, S. Dak. Candy. 191,281; Nov. 4; Serial No. 197,521; published Aug. 26, 1924.

Virginia Baking Co., Inc., Richmond, Va. Candy. 191,277; Nov. 4; Serial No. 199,443; published Aug. 26, 1924.

Voss & Stern, New York, N. Y. Cotton-sateen piece goods. 191,187; Nov. 4; Serial No. 185,544; published July 1, 1924.

Walla Walla Candy Company, Walla Walla, Wash. Candies. 191,374; Nov. 4; Serial No. 173,945; published Aug. 26, 1924.

Wallace, R., & Sons, The, Manfg. Co., Wallingford, Conn. Flatware and hollow ware, silver plated, etc. 191,403; Nov. 4.

Ward, Ralph D., New York, N. Y. Electric delivery and passenger vehicles. 191,243; Nov. 4; Serial No. 195,665; published Aug. 26, 1924.

Warren, E. W., & Company, Somersworth, N. H. Boots and shoes. 191,397; Nov. 4.

Watertown Table-Slide Company, Watertown, Wis. Table extension slides. 191,400; Nov. 4.

West Coast Kalsoline Company, Berkeley, Calif. Semi-paste paint. 191,129; Nov. 4; Serial No. 197,644; published Aug. 19, 1924.

West Electric Hair Curler Company, Philadelphia, Pa. Hair nets. 191,153; Nov. 4; Serial No. 197,403; published July 29, 1924.

Westbrook, D. C., Rover and Griffin, Ga. Fresh peaches. 191,283; Nov. 4; Serial No. 197,643; published Aug. 26, 1924.

Western Grocer Company, Marshalltown, Iowa. Sugar, fresh potatoes, canned apples, salted peanuts, etc. 191,359; Nov. 4; Serial No. 198,092; published Aug. 26, 1924.

Westfield Brothers, New Orleans, La. Green coffee. 191,357; Nov. 4; Serial No. 198,898; published Aug. 12, 1924.

Westfield River Paper Company, Inc., Russell, Mass., and New York, N. Y. Wrapping and transparent papers. 191,308; Nov. 4; Serial No. 196,325; published July 22, 1924.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing paper, mailing envelopes, and paperettes. 191,383; Nov. 4.

Wile, Julius, Sons & Co., New York, N. Y. Bottled and tinned anchovies, bottled capers and olives, etc. 191,126; Nov. 4; Serial No. 197,524; published Aug. 19, 1924.

Woodbridge Fruit Company, Woodbridge, Calif. Fresh grapes. 191,371; Nov. 4; Serial No. 182,950; published Mar. 18, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Wortendyke Manufacturing Co., Richmond, Va. Paper bags. 191,151; Nov. 4; Serial No. 198,550; published Aug. 12, 1924.

Wortendyke Manufacturing Co., Richmond, Va. Toilet paper, paper towels and napkins. 191,391; Nov. 4.

Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 191,210; Nov. 4; Serial No. 199,449; published Aug. 19, 1924.

Wunder, Minnie, Los Angeles, Calif. Face cream. 191,396; Nov. 4.

York Mfg. Co., Saco, Me., and Boston, Mass. Cotton piece goods. 191,120; Nov. 4; Serial No. 196,091; published June 24, 1924.

York Street Flax Spinning Co., Inc., New York, N. Y. Handkerchiefs. 191,118; Nov. 4; Serial No. 195,997; published July 29, 1924.

Young, Chas. W., & Co., Philadelphia, Pa. Soap, soap chips, and soap powder. 191,404; Nov. 4.

Zaloom Brothers Company, Inc., New York, N. Y. Unshelled roasted and salted pistachio nuts. 191,273; Nov. 4; Serial No. 191,273; published Feb. 12, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Products Company, New Orleans, La. Turpentine. 202,368; Nov. 4.

Agnew, John P., & Co., Inc., Washington, D. C. Coal. 200,379; Nov. 4.

Agricultural Supply Corporation, Richmond, Va. Fertilizers and agricultural lime. 202,686; Nov. 4.

Alinauskas, Peter, doing business as P. Alinauskas, Chicago, Ill. Malt extract. 200,699; Nov. 4.

Allen, Samuel L., doing business as Phoenix Drug Co., Monroe, La. Liniment and tonic and laxative. 200,700; Nov. 4.

American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Invertase used in making sugar sirups. 183,620; Nov. 4.

American Chickeries. (See Kelsor, Clarence A.)

American Chicle Company, Long Island City, N. Y. Chewing gum. 198,830; Nov. 4.

American Rubber and Tire Company, The, Akron, Ohio. Bathing slippers. 180,574-5; Nov. 4.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Wire and woven-wire fencing. 196,496; Nov. 4.

Angelo Bros. Limited, Calcutta, Bengal, British India. Gum shellac, orange shellac, button lac, and garnet lac. 195,614; Nov. 4.

Angelo Bros. Limited, Calcutta, Bengal, British India. Gum shellac, orange shellac, button lac, and garnet lac. 195,615; Nov. 4.

Asbury, Joseph T., doing business as Rochester Medical and Drug Company, Rochester, Minn. Laxative tablets, ointment, etc. 202,432; Nov. 4.

Atlantic Rubber Manufacturing Corporation, New York, N. Y. Dental rubber. 202,158; Nov. 4.

Aull, Watson P., St. Louis, Mo. Protective paper wrappers. 198,930; Nov. 4.

Bachrach-Feld Co., Cincinnati, Ohio. Malt extract for food purposes. 191,810; Nov. 4.

Bamberger, L., & Co., Newark, N. J. Corsets. 190,002; Nov. 4.

Barber Asphalt Company, The, Philadelphia, Pa. Composition roofing materials, etc. 198,502; Nov. 4.

Beattie Manufacturing Company, The, Little Falls, N. J. Textile rugs. 201,944; Nov. 4.

Beeemyer Waggoner Inc., Los Angeles, Calif. Canned sardines. 202,044; Nov. 4.

Bell, George T., doing business as National Tire Company, Los Angeles, Calif. Printed forms, business systems, and filing cabinets. 196,148; Nov. 4.

Bell Packing Company, Redkey, Calif. Canned ripe olives. 195,940; Nov. 4.

Benjamin, E. V., Co., Inc., The, doing business as Magnolia Cotton Mills, New Orleans, La. Cotton draperies. 202,237; Nov. 4.

Berkhall, Andrew, Lakewood, Ohio. Compressed tablets containing cod-liver oil. 200,605; Nov. 4.

Berkshadsky, Israel, doing business as The Original Combination Shovel & Broom Co., New York, N. Y. Combination broom and shovel. 199,927; Nov. 4.

Bigelow Brush Company, The, Baltimore, Md. Paint and varnish brushes. 200,607; Nov. 4.

Bonita Co., The, Fond du Lac, Wis. Candy. 202,790; Nov. 4.

Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf binders. 201,487; Nov. 4.

Boysborm Brassiere Co., The, New York, N. Y. All-rubber girdles for ladies. 198,559; Nov. 4.

Bradley, Charles E., Boston, Mass. Finish for ceilings and wall surfaces. 194,902; Nov. 4.

Brandels, J. F., Corporation, The, Newark, N. J. Radio receiving sets. 201,693; Nov. 4.

Brandenstein, M. J., & Co., San Francisco, Calif. Coffee. 202,608; Nov. 4.

Breding Brothers, Inc., Hoboken, N. J. Varnish. 201,946; Nov. 4.

Bronze Seal Piston Ring Co., Green Bay, Wis. Piston rings. 182,699; Nov. 4.

Brooklandwood Dairy. (See Emerson, Isaac E.)

Brooklyn Alcohol Corporation, Brooklyn, N. Y. Denatured alcohol. 202,046; Nov. 4.

Brown, McCleane, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Rolled iron and steel. 202,375-8; Nov. 4.

Brown & Wolary, Centerville, Iowa. Composition for making hard road pavements. 198,110; Nov. 4.

Bruno, C., & Son, Inc., New York, N. Y. Mouth harmonicas and accordions. 201,826; Nov. 4.

Brunswick-Balke-Collender Company, The, Chicago, Ill., and Wilmington, Del. Phonograph records. 202,548; Nov. 4.

Buckley, J. W., Rubber Co., New York, N. Y. Hose, belting, packing and jar rings. 191,162; Nov. 4.

Bull Dog Tire Patch Company. (See Messenger, Thomas A.)

Bunte Brothers, Chicago, Ill. Licorice candy. 185,555; Nov. 4.

Burrill, R. H., Hawley, Minn. Potatoes. 201,831; Nov. 4.

Butler, John G., Company, Savannah, Ga. Ready-mixed paints. 201,391; Nov. 4.

Cadick Milling Company, Grandview, Ind. Wheat flour. 194,690; Nov. 4.

California Mission Stucco Co. (See Ridge, Jackson.)

California Vegetable Union, Los Angeles, Calif. Fresh vegetables, deciduous and citrus fruits, melons, grapes, and lettuce. 190,330; Nov. 4.

Capital Paper Company, doing business as The Hold-Tite Tire and Rubber Company, Indianapolis, Ind. Pneumatic-tire casings. 203,072; Nov. 4.

Castle Rubber Company, East Palestine, Ohio. Rubber goods. 202,853; Nov. 4.

Central Paper Box Co. (See Purchas, Frederick A.)

Chaton Fibre Company, Boston, Mass. Dust guards for journal boxes. 179,775; Nov. 4.

Cohen, Weenen & Co., London, England. Smoking tobacco. 201,122; Nov. 4.

Cohn-Lazerus Company, Los Angeles, Calif. Men's felt hats. 199,744; Nov. 4.

Cohn-Lazerus Company, Los Angeles, Calif. Hats and caps for men. 199,745; Nov. 4.

Colonial Hat Company, Chicago, Ill. Caps and hats. 197,866; Nov. 4.

Columbia Corrugated Company, New York, N. Y. Boxes, tubes, and cartons. 180,048; Nov. 4.

Columbia Laboratories. (See McDonald, E. R.)

Compactum Limited, London, England. Wardrobes and like clothing cabinets. 198,174; Nov. 4.

Cook Commutator Co. (See Spinner, Frank C.)

Cook, Cora A., doing business as Cook & Company, Brainerd and Minneapolis, Minn. Manually-operated multiplication and addition charts or devices. 201,696; Nov. 4.

Corning Glass Works, Corning, N. Y. Sets of miniature dishes. 202,284-5; Nov. 4.

Cox, Cary S., doing business as Indian Herbs Laboratory, Tujunga, Calif. Medicinal compounds of Indian herbs. 200,309; Nov. 4.

Crescent Dental Mfg. Co., Chicago, Ill. Dental alloy. 201,223; Nov. 4.

Crescent Dental Mfg. Co., Chicago, Ill. Varnish for separating dental models. 201,224; Nov. 4.

Crescent Laboratories, Norristown, Pa. Maltless sirups for soft drinks. 184,494; Nov. 4.

Cronenberg, Michael L., Cleveland, Ohio. Parlor game. 201,331; Nov. 4.

Culross, William B., Colton, Calif. Canned fruits and vegetables. 181,479; Nov. 4.

Dalles Corporation Growers, The, The Dalles, Oreg. Fresh fruits and vegetables. 202,796; Nov. 4.

Deane's Coffee Shoppe, Inc., Pittsburgh, Pa. Corn-beef sandwich. 202,163; Nov. 4.

De La Vie, Eve, Chicago, Ill. Rouge. 182,791; Nov. 4.

Del Monte Properties Company, San Francisco, Calif. Ginger ale and carbonated waters. 201,391; Nov. 4.

Del Monte Properties Company, San Francisco, Calif. Canned fish, fruits, vegetables, and meats, beef a la mode, etc. 201,392; Nov. 4.

Demetropoulos, Peter, doing business as Ortho Novelty Co., Chicago, Ill. Clocks. 200,549; Nov. 4.

De Paye, Jean, Sayville, N. Y. Hairpins. 183,096; Nov. 4.

Detroit Graphite Company, Detroit, Mich. Asbestos fireproof paint. 196,168; Nov. 4.

Dings & Schuster, Long Island City, N. Y. Varnish composition. 199,154; Nov. 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ditzler, Ray L., Huntington, Ind. Eggs. 202,288; Nov. 4.
 Drendell Electrical & Mfg. Co. Inc., San Francisco, Calif. Panel boards, switchboards, etc. 197,534; Nov. 4.
 Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 202,790; Nov. 4.
 Eastmond, John E., Brooklyn, N. Y. Heat-insulating material. 201,338; Nov. 4.
 Eberhard Faber Pencil Company, Brooklyn, N. Y. Pencils, penholders, and erasers. 202,493; Nov. 4.
 Eddy, C. H., & Company. (See Williams, Henry M.)
 Edelblute, Thomas H., doing business as T. H. Edelblute Company, Pittsburgh, Pa. Car replacers. 200,383-6; Nov. 4.
 Edwards, W. T., Manufacturing Company, The, New Britain, Conn. Lamp shades and reflectors. 197,501; Nov. 4.
 Elwell-Parker Electric Co., The, Cleveland, Ohio. Industrial trucks. 198,062; Nov. 4.
 Emerson, Isaac E., doing business as Brooklandwood Dairy, Lutherville and Baltimore, Md. Sirup for use in the preparation of milk beverage. 192,175; Nov. 4.
 Engel, H., Sons & McClelland, New York, N. Y. Handkerchiefs. 192,680; Nov. 4.
 Engineering Products Corporation, Incorporated, The, New York, N. Y. Insulating compounds. 200,871; Nov. 4.
 Erickson & Peterson, Minneapolis, Minn. Medicine. 201,432; Nov. 4.
 Evelyn Dress Company. (See Marcus, Edward N.)
 F. and W. Tag Company, Waltham, Mass. Plumbers' supplies. 201,555; Nov. 4.
 Faire Bros. & Co. Limited, Leicester, England. Stocking and sock suspenders, garters, belts, etc. 198,702; Nov. 4.
 Fallkill Radio & Electrical Corp., Poughkeepsie, N. Y. Variocouplers, variometers, coils, etc. 200,389; Nov. 4.
 Fengel Corporation, The, New York, N. Y. Irrigators, bedpans, urinals, etc. 191,065; Nov. 4.
 Fidelity Brewery. (See Goldberger, Norman S.)
 Finucan, Thomas R., doing business as Standard Malt Extract Co., Norwood, Ohio. Malt extract for beverage purposes. 202,621; Nov. 4.
 Fisher Bros. Paper Company, Fort Wayne, Ind. Clothespins, washboards, and washing machines. 200,870; Nov. 4.
 Fixaco Company, The, St. Louis, Mo., and San Francisco, Calif. Confection for coughs, colds, sore throat, and hoarseness. 199,468; Nov. 4.
 Flashlite Auto Paint Co., Winnfield, La. Automobile paint. 202,105; Nov. 4.
 Forstmann-Huffmann Company, Passaic, N. J. Woolen piece goods. 202,057; Nov. 4.
 Franklin Oil Company, Burbank, Calif. Lubricating oils and greases. 197,479; Nov. 4.
 Fredrickson, Arthur M., doing business as Shurbrake Co., Long Beach, Calif. Rejuvenating liquid for brake liners, clutch faces and like gripping surfaces. 187,618; Nov. 4.
 Gallagher, Annie, New York, N. Y. Brassieres. 194,345; Nov. 4.
 Gibson-Howell Company. (See Ukemco Corporation.)
 Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 202,392; Nov. 4.
 Goldberger, Norman S., doing business as Fidelity Brewery, New York, N. Y. Cereal beverages, near beer, and light or soft drinks. 190,252; Nov. 4.
 Goll-Evans Co., Inc., The, New York, N. Y. Strings for violins and similar musical instruments. 200,489-90; Nov. 4.
 Goodyear Tire & Rubber Company, The, Akron, Ohio. Paint for tires and rubber goods. 169,481; Nov. 4.
 Gordon, Sewall & Co., Inc., Houston, Galveston, and Port Arthur, Tex. Rolled oats. 197,026; Nov. 4.
 Gorham Manufacturing Company, Providence, R. I. Buckles of precious metal. 200,679; Nov. 4.
 Gostenhofer, Rose C., New York, N. Y. Toilet face lotions and toilet powders. 197,876; Nov. 4.
 Gray Art Stamping Co. (See Schnurman, Hyman L.)
 Green Bros. Company, Springfield, Mass. Candy. 202,208; Nov. 4.
 Gries, Joseph M., Battle Mountain, Nev. Ice cream and ice-cream cones. 198,790; Nov. 4.
 Grinsfelder, Jos., & Sons, Inc., Baltimore, Md. Silks, ribbons, and silk and cotton mixtures in the piece. 173,352; Nov. 4.
 Grosse, Walter A., doing business as The Grosse Company, Los Angeles, Calif. Pile ointment. 201,498; Nov. 4.
 Guilbenkian Seamless Rug Company, New Brunswick, N. J. Textile rugs. 201,929; Nov. 4.
 Haco-Gesellschaft A.-G. Bern, Berne, Switzerland. Malt extract. 191,230; Nov. 4.
 Haenichen Bros. Silk Co., Paterson, N. J. Umbrella silk piece goods. 193,397; Nov. 4.
 Hammond, Clayton R., Salem, Oreg. Pistons. 191,263; Nov. 4.
 Hansen, O. C., Manufacturing Co., Milwaukee, Wis. Men's gloves. 199,097-8; Nov. 4.
 Harrison Radiator Corporation, Lockport, N. Y. Automobile radiators. 200,357; Nov. 4.

Hart, Coleridge W., New York, N. Y. Compressed cakes of sal ammoniac. 200,393; Nov. 4.
 Harzol Company, The, Richmond Hill, N. Y. Ointment. 199,888; Nov. 4.
 Hauswaldt, J. G., Inc., New York, N. Y. Bar chocolate. 202,499; Nov. 4.
 Hawley & Hoops, New York, N. Y. Candy. 202,108; Nov. 4.
 Hawley & Hoops, New York, N. Y. Candy. 202,111; Nov. 4.
 Hess, Samuel S., doing business as Meyer Hess and Company, Chicago, Ill. Sweaters, bathing suits, hosiery, etc. 172,223; Nov. 4.
 Hill, R. J., Brake Co., Philadelphia, Pa. Automobile brake linings and clutch facings. 200,594; Nov. 4.
 Hirschauer Medicated Oil Co., Sioux City, Iowa. Live-stock remedies. 186,749; Nov. 4.
 Hoffman, Alfred G., doing business as Midwest Radio Company, Cincinnati, Ohio. Radio receiving sets, loud speakers, head sets, and parts thereof. 195,060; Nov. 4.
 Hoffman & Hauck, Inc., Woodhaven, N. Y. Candy. 202,115; Nov. 4.
 Hold-Tite Tire and Rubber Company, The. (See Capital Paper Company.)
 Hollandsche Cacao- en Chocoladefabrieken v/h Benadorp & Co., Amsterdam, Netherlands. Cocoa. 199,425; Nov. 4.
 Hollywood Record Company, Los Angeles, Calif. Phonograph records, phonographs, and phonograph needles. 202,016; Nov. 4.
 Holmes, Nelson J., Manchester, Ohio. Wheat flour. 202,295; Nov. 4.
 Hufschmidt, Frank X., doing business as Hufschmidt Laboratories, Milwaukee, Wis. Chologogue, diuretic, and hepatic stimulant. 200,947; Nov. 4.
 Hunt, Helm, Ferris & Co., Howard, Ill. Vehicles somewhat similar to sleds or toboggans. 202,118; Nov. 4.
 Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Bottles insulated for resisting change of temperature of contents. 162,256; Nov. 4.
 Imported Medical Herbs Tea Co. (See Plotrowska, Walerja.)
 Indian Herbs Laboratory. (See Cox, Cary S.)
 International Chemical Company, The, Cleveland, Ohio. Preparation for affections of the nose and throat and for defective hearing. 201,196; Nov. 4.
 Israel, Goldberg & Co. Inc., Cleveland, Ohio. Men's and boys' caps. 188,559; Nov. 4.
 Johnson, C. E., & Co., Chicago, Ill. Shoe polish. 181,401; Nov. 4.
 Johnson & Johnson, New Brunswick, N. J. Surgical dressing. 199,064; Nov. 4.
 Johnston, Robert A., Company, Milwaukee, Wis. Candy. 200,765; Nov. 4.
 Karlin, Joseph, doing business as Karlin Laboratories, New York, N. Y. Preparation for the treatment of pyorrhea. 183,035; Nov. 4.
 Karlin, Joseph, doing business as Karlin Laboratories, New York, N. Y. Face and hand lotion. 183,036; Nov. 4.
 Keiser, Clarence A., doing business as American Chickens, Gramplan, Pa. Chicks, hatching eggs, and poultry breeding stock. 200,202; Nov. 4.
 Kelley, Robert, & Co. (See Siegel, Abraham M.)
 Kientz, Louis, San Anselmo, Calif. Bread. 202,171; Nov. 4.
 Klnodyne Radio Corporation, New York, N. Y. Radio telephone and telegraph appliances, devices, and apparatus. 197,607; Nov. 4.
 Knick, Perley L., doing business as Knick's Mend-Rite Mfg. Co., Kansas City, Mo. Fan belts and blow-out patches. 199,987; Nov. 4.
 Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned lima beans. 202,508; Nov. 4.
 Laboratory Products Company, The, Cleveland, Ohio. Soluble milk protein. 200,627; Nov. 4.
 Lamont-Corliss and Company, New York, N. Y. Milk chocolate. 180,936; Nov. 4.
 Larios y Crouke, Malaga, Spain. Olive oil. 198,400; Nov. 4.
 Larned, Carter & Company, Detroit, Mich. One-piece overalls. 202,346; Nov. 4.
 Lemon, Alfred B., Providence, R. I. Papers, envelopes, social stationery, and cards. 167,778; Nov. 4.
 Lever Brothers Company, Cambridge, Mass. Shaving cream. 189,631; Nov. 4.
 Library Bureau, Cambridge, Mass. Index cards, card ledgers, label strips, etc. 202,559; Nov. 4.
 Liggett & Myers Tobacco Company, New York, N. Y. Chewing and smoking tobacco. 195,700; Nov. 4.
 Lincoln Products Co., Chicago, Ill. Shock absorbers. 201,705; Nov. 4.
 Lloyd Brothers, Pharmacists Inc., Cincinnati, Ohio. Antiseptic and deodorant. 203,047; Nov. 4.
 Luxenberg, Nat & Bros., New York, N. Y. Coats, vests, trousers, etc. 200,087; Nov. 4.
 Maas & Waldstein Co., Newark, N. J. Lacquers, lacquer enamels, and paints. 200,208; Nov. 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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Macy, R. H., & Co. Inc., New York, N. Y. Ammonia. 201,812; Nov. 4.
 Maginnis Cotton Mills. (See Benjamin, E. V., Co., The.)
 Manhattan Electrical Supply Company, Inc., New York, N. Y. Dry batteries. 175,937; Nov. 4.
 Manhattan Electrical Supply Company, Inc., New York, N. Y. Dry batteries. 195,970; November 4.
 Marcus, Edward N., doing business as Evelyn Dress Company, Boston, Mass. Dresses. 197,426; Nov. 4.
 Marks, Alice H., New York, N. Y. Chocolate and chocolate candles. 190,797; Nov. 4.
 McDonald, E. R., doing business as Columbia Laboratories, San Francisco, Calif. Tablets and liquids for gastritis, heartburn, etc. 201,817; Nov. 4.
 McIntyre, Andrew J., Detroit, Mich. Skin lotion. Mediterranean Importing Co., New York, N. Y. Olive oil. 182,599; Nov. 4.
 Messenger, Thomas A., doing business as Bull Dog Tire Patch Company, Des Moines, Iowa. Inner-tube patches. 189,465; Nov. 4.
 Meyer Hess and Company. (See Hess, Samuel S.)
 Midwest Radio Company. (See Hoffman, Alfred G.)
 Mid-West Research Laboratory, Sioux City, Iowa. Tonic serum, medicinal preparation, and dry insecticide. 202,672; Nov. 4.
 Mirabella, Joe, Port Arthur, Tex. Cribs. 201,364; Nov. 4.
 Montag's Incorporated, Los Angeles, Calif. Tablets, pound papers, envelopes, etc. 200,148; Nov. 4.
 Morris Run Coal Mining Company, Wilkes-Barre, Pa. Coal. 202,351; Nov. 4.
 Motorade Corporation, The, Cleveland, Ohio. Gasoline. 201,042; Nov. 4.
 Naday & Fleischer, Inc., New York, N. Y. Silk piece goods. 202,414; Nov. 4.
 Nanyang Brothers, Inc., New York, N. Y. Hair nets. 202,415; Nov. 4.
 National Lead Battery Co., St. Paul, Minn. Batteries. 190,471-2; Nov. 4.
 National Pool & Billiard Supply Co., Chicago, Ill. Billiard balls. 201,368; Nov. 4.
 National Tire Company. (See Bell, George T.)
 Nazeley, Jean, doing business as J. Nazeley Co., New York, N. Y. Aerial loops, radio receiving machines, and supplies. 189,511; Nov. 4.
 Newbro Manufacturing Co., Atlanta, Ga. Deodorant. 201,771; Nov. 4.
 New England Fish Co., Boston, Mass. Frozen fish. 196,878; Nov. 4.
 Nichols Manufacturing Company, The, Bridgeport, Conn. Sanitary belts and aprons and jock straps. 198,025; Nov. 4.
 Northam Warren Corporation, New York, N. Y. Manicure sets. 201,673; Nov. 4.
 Nu-Luster Products Co. Inc., New Orleans, La. Automobile polish. 200,895; Nov. 4.
 Pneuma Schuhfabrik A.-G., Erfurt, Germany. Shoes and leggings. 193,541; Nov. 4.
 Orange Crush Co., Chicago, Ill. Beverages and compounds and concentrates for producing the same. 201,974-5; Nov. 4.
 Oriental Silk Printing Company, Haledon, N. J. Silk, cotton, etc., piece goods. 202,261; Nov. 4.
 Original Combination Shovel & Broom Co., The. (See Bershadsky, Israel.)
 Ortho Novelty Co. (See Demetropoulos, Peter.)
 Panoleum Products Co., Cleveland, Ohio. Lubricating compounds. 196,756; Nov. 4.
 Paper Service Co. Inc., Hinsdale, N. H. Toilet paper. 202,458; Nov. 4.
 Park & Tilford, New York, N. Y. Chocolate-covered raisins. 202,709; Nov. 4.
 Parker Pen Co., The, Janesville, Wis. Fountain pen. 202,636; Nov. 4.
 Peppas, Vasili, East Pittsburgh, Pa. Salve. 201,374; Nov. 4.
 Phoenix Drug Co. (See Allen, Samuel L.)
 Plotrowska, Walerja, doing business as Imported Medical Herbs Tea Co., Chicago, Ill. Herbs. 199,849; Nov. 4.
 Pitman-Moore Company, Indianapolis, Ind. Laxative tablets. 203,004; Nov. 4.
 Pittsburgh Coal Company, Minneapolis, Minn. Coal. 202,916; Nov. 4.
 Pittsburgh Steel Supply Company. (See Brown, McCleane.)
 Prest-O-Electric Devices Co., Inc., Hartford, Conn., and New York, N. Y. Rotary electric polishing, bushing, cleaning, and drilling machines. 191,404; Nov. 4.
 Purchas, Frederick A., doing business as Central Paper Box Co., McGraw, N. Y. Candy and bonbon boxes. 201,979; Nov. 4.
 Queene Anne Candy Company, Inc., Seattle, Wash. Candles, fruit and nut bars, and salted nuts. 199,889; Nov. 4.
 R. B. Mfg. Co. (See Reed, Rodney E.)
 Radiocrat Company, Inc., Jersey City, N. J. Radio apparatus. 174,029; Nov. 4.
 Radiolog Co. (See Renwick, Frederick W.)

Ray, Al., Co., Louisville, Ky. Small three-wheeled velocipedes. 197,292; Nov. 4.
 Reed, Rodney E., doing business as R. & R. Mfg. Co., Los Angeles, Calif. Circuit-breaking devices for auto vehicles. 198,380; Nov. 4.
 Renwick, Frederick W., doing business as Radiolog Co., Camden, N. J. Instruments for recording the dial settings at which radio broadcasting stations are brought in by radio receiving stations, and paper webs therefor. 191,913; Nov. 4.
 Reproducto Mfg Corp., Newport News, Va. Recording and reproducing phonographs. 196,074; Nov. 4.
 Rich Tool Company, Chicago, Ill. Poppet valves for internal-combustion engines. 200,280; Nov. 4.
 Ridge, Jackson, doing business as California Mission Stucco Co., Los Angeles, Calif. Stucco finishes. 202,081; Nov. 4.
 Rochester Medical and Drug Company. (See Asbury, Joseph T.)
 Ronbax Mills, Inc., New York, N. Y., and Clinton, Mass. Wool piece goods. 202,462-3; Nov. 4.
 Rowell Corporation, The, Long Island City, N. Y. Paints, lacquers, paint enamels, etc. 200,406; Nov. 4.
 Royle, Geo. & Co., Philadelphia, Pa. Bedspreads and drapery cloth. 182,066-7; Nov. 4.
 Rudin, John, & Company Inc., Chicago, Ill. Books and pamphlets. 1799,903; Nov. 4.
 Rudolph, Isador, Philadelphia, Pa. Radiohorns, radio-phones, radio receiving sets, and parts thereof. 199,091; Nov. 4.
 Saginaw Stamping Tool Co., Saginaw, Mich. Coaster wagons. 201,718; Nov. 4.
 Sample, T. N. and Blanche, Sunmaid and Fresno, Calif. Fresh grapes. 197,622; Nov. 4.
 Sanborn, Geo. W., & Sons, Astoria, Oreg. Canned salmon. 202,518; Nov. 4.
 Schloss & Kahn Grocery Co., Montgomery, Ala. Canned fruits, vegetables, and berries. 201,211; Nov. 4.
 Schnurman, Hyman L., doing business as Gray Art Stamping Co., St. Louis, Mo. Art goods stamped with designs. 201,466; Nov. 4.
 Schriver, O. P., Company, The, Cincinnati, Ohio. Chain buckets for pumps. 203,334; Nov. 4.
 Schultz, Joseph J., & Co., New York, N. Y. Binders for loose-leaf ledgers. 198,766; Nov. 4.
 Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Chalk and elastic bands. 199,858; Nov. 4.
 Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Pencils and penholders. 199,859; Nov. 4.
 Sewall Paint & Glass Company, Kansas City, Mo. Prepared paint, varnishes, and automobile body finishes. 201,159; Nov. 4.
 Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Boiler compound for stopping leaks, etc. 201,681; Nov. 4.
 Sherman Hat Co., The, New York, N. Y. Men's hats. 200,526; Nov. 4.
 Shurbrake Co. (See Fredrickson, Arthur M.)
 Siegel, Abraham M., doing business as Robert Kelley & Co., Newark, N. J. Paints and paint products. 186,296; Nov. 4.
 Siegel, Heinrich, Berlin, Germany. Rust-removing and cleaning compound for steel, iron, etc. 198,686; Nov. 4.
 Simon, Albert, New York, N. Y. Cold creams, depilatories, hair growers, etc. 195,654-5; Nov. 4.
 Sisco, Peter, Company, Chicago, Ill. Candy. 201,985; Nov. 4.
 Sklar, J., Manufacturing Co., New York and Brooklyn, N. Y. Electric lamps and radiators for therapeutic use. 201,810; Nov. 4.
 Smith, Albert E., East Wareham, Mass. Cotton piece goods. 183,418; Nov. 4.
 Smith Motor Equipment Company, The, Cleveland, Ohio. Instrument for indicating the performance of the fuel-feeding systems of motor vehicles. 202,642; Nov. 4.
 South Bend Bait Company, South Bend, Ind. Fishing lines. 185,880; Nov. 4.
 Speldel, Fr., doing business as Speldel Chain Co., Pforzheim, Germany, and Providence, R. I. Chains, fobs, pendants, bracelets, etc. 196,718; Nov. 4.
 Speldel, Fr., doing business as Speldel Chain Co., Pforzheim, Germany, and Providence, R. I. Chains, brooches, scarf pins, cuff links, etc. 196,832; Nov. 4.
 Spinner, Frank C., doing business as Cook Commutator Co., Brooklyn, N. Y. Timers for internal-combustion engines. 200,409; Nov. 4.
 Standard Malt Extract Co. (See Finucan, Thomas R.)
 Standard Oil Company, Whiting, Ind., and Chicago, Ill. Glass lamp chimneys. 165,827; Nov. 4.
 Standard Products Corporation, New York, N. Y. Type-writer ribbons. 198,263; Nov. 4.
 Stanley Manufacturing Company, The, Dayton, Ohio. Metal labels and seals. 202,902; Nov. 4.
 Stanley Works, The, New Britain, Conn. Levels. 191,647; Nov. 4.
 Stewart, Alexander B., Organizations, The, Long Beach, Calif. Ripe olives, canned tunny, plimientos, and chiles. 194,884; Nov. 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Stimpson, Edwin B., Company, Brooklyn, N. Y. Bobbin heads, perforators, etc. 185,157; Nov. 4.
 Strnad, Louis G., Chicago, Ill. Toothbrush and toothpaste holder and curtain-rod brackets. 202,040; Nov. 4.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Table sirup. 201,111; Nov. 4.
 Surbrug's Nut Products, Ltd., New York, N. Y. All forms of nuts. 183,177; Nov. 4.
 Sweyd, Abram M., New York, N. Y. Ready-mixed prepared paints. 199,505; Nov. 4.
 Taunton-New Bedford Copper Company, Taunton, Mass. Sheets and bars of brass or copper or alloys thereof, etc. 201,473; Nov. 4.
 Taylor Bros. & Co., Inc., Norfolk, Va. Salt. 202,722; Nov. 4.
 Taylor-Garner Co., Atlanta, Ga. Table sirup, vinegar, and honey. 202,526; Nov. 4.
 Taylor, Tunnick & Co. Ltd., Hanley, England. Electric insulators. 199,596; Nov. 4.
 Thompson, Gilbert H., Manitowoc, Wis. Cigars. 176,220; Nov. 4.
 Tiffin, Inc., New York, N. Y. Candles. 202,829; Nov. 4.
 Tyler Chemical Co., Inc., Pawtucket, R. I. Compound for cleaning, purifying, and medicating the air of a room. 203,061; Nov. 4.
 Ukenco Corporation, doing business as Gibson-Howell Company, Inc., New York, N. Y. Mouth wash. 199,727; Nov. 4.
 Union Horlogère S. A., Bienne, Switzerland. Watches. 194,225; Nov. 4.
 United Cape Cod Cranberry Company, The, Boston and South Hanson, Mass. Canned cranberries. 202,045; Nov. 4.
 United Filters Corporation, Hazleton, Pa. Filters. 200,790; Nov. 4.
 United Fuel & Supply Company, Detroit, Mich. Charcoal. 202,047; Nov. 4.
 United Stay Company, Cambridge, Mass. Heel pads, soles, heels, insoles, etc. 181,094; Nov. 4.
 Unity Shoe Mfg. Corporation, Brooklyn, N. Y. Shoes. 178,151; Nov. 4.
 Vitagraph Company of America Inc., The, Brooklyn, N. Y. Motion pictures and motion-picture films. 200,791; Nov. 4.
 Wallace Milling Company, Huntingburg, Ind. Wheat flour. 202,424; Nov. 4.
 Walter, Wm. W., Aurora, Ill. Printed books. 200,735; Nov. 4.
 Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, etc., piece goods. 193,869; Nov. 4.
 Ward, S. V., Houston, Tex. Automobile polish. 198,300; Nov. 4.
 Washington "Tasty Drops" Company, Tacoma, Wash. Flavoring extract for foods. 185,166; Nov. 4.
 Weldeman Company, Inc., The, Cleveland, Ohio. Canned fruits and vegetables, coffee, tea, etc. 201,868; Nov. 4.
 West Electric Hair Curler Co., Philadelphia, Pa. Hair nets. 169,904; Nov. 4.
 Western Electric Company, Incorporated, New York, N. Y. Multiple electrical stethoscope. 202,602; Nov. 4.
 Western Laboratories, The, Yakima, Wash. Bacillus acidophilus culture in milk. 202,473; Nov. 4.
 Westinghouse, Henry H., New York, N. Y. Metal boxes. 202,571; Nov. 4.
 Weymann, H. A. & Son, Inc., Philadelphia, Pa. Tuning peg for banjos and similar musical instruments. 200,697; Nov. 4.
 Wheat Meal Company, The, Amelia, N. Dak. Wheat meal. 202,087; Nov. 4.
 Whiting Leather & Belting Co., Inc., Long Island City, N. Y. Leather belting, leather straps, and rawhide cut lace. 201,788; Nov. 4.
 Whitman, Edward G., doing business as E. G. Whitman & Co., Philadelphia, Pa. Candy. 202,764; Nov. 4.
 Williams, H. W., & Co. Inc., Fort Worth, Tex. Box stationery, correspondence cards, pound paper, and tablets. 200,793; Nov. 4.
 Williams, Henry M., doing business as C. H. Eddy & Company, Brattleboro, Vt. Beverages sold as soft drinks. 199,446; Nov. 4.
 Wofford Oil Company, Birmingham, Ala. Kerosene oil. 202,271; Nov. 4.
 York Manufacturing Co., Saco, Me., and Boston, Mass. Cotton piece goods. 202,220; Nov. 4.
 Young Shoe Company, Los Angeles, Calif. Boots, shoes, and slippers. 200,076; Nov. 4.
 Youngstown Pressed Steel Company, The, Warren, Ohio. Metal channel iron, metal studding, metal bearing strips, and the like. 199,270; Nov. 4.
 Zeigler, C. C., East Orange, N. J. Automobile polish. 200,920; Nov. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Grit, Poultry. Georgia Mineral Products Co. 191,201; Nov. 4; Serial No. 180,696; published Aug. 26, 1924.

CLASS 2.

Bags, fabric. Fulton Bag & Cotton Mills. 191,188; Nov. 4; Serial No. 184,546; published July 8, 1924.
 Bags, fancy purses, etc. Fancy doll. J. G. Rovira. 191,335; Nov. 4; Serial No. 181,778; published June 17, 1924.

Bags, mothproof. Abraham & Straus, Inc. 191,127; Nov. 4; Serial No. 197,525; published July 22, 1924.
 Bottles, vacuum. George Borgfeld & Co. 191,131; Nov. 4; Serial No. 198,053; published July 22, 1924.
 Boxes, tubs, etc. Porch. Murray Products Company. 191,124; Nov. 4; Serial No. 197,211; published July 8, 1924.

Cans, milk. Solar-Sturges Mfg. Co. 191,115-16; Nov. 4; Serial Nos. 195,779-80; published Aug. 5, 1924.
 Cases, spectacle. Bausch and Lomb Optical Company. 191,123; Nov. 4; Serial No. 196,643; published July 8, 1924.

Confectionery boxes. Société Anonyme des Etablissements Rouzaud "à la Marquise de Sévigné" Chocolat de Royat. 191,150; Nov. 4; Serial No. 198,590; published Aug. 12, 1924.

Containers for food products. Novelty Products, Inc. 191,122; Nov. 4; Serial No. 196,542; published July 4, 1924.

Cosmetic containers. Elgin American Manufacturing Co. 191,119; Nov. 4; Serial No. 196,010; published July 22, 1924.

Egg-case dividing boards. Cushion-Locked-Pad Company. 191,394; Nov. 4.

Ink containers for fountain pens. R. T. Pollock. 191,192; Nov. 4; Serial No. 163,106; published June 17, 1924.

Jewelry cases. S. Buchsbaum. 191,375; Nov. 4; Serial No. 146,864; published July 29, 1924.

Paper bags. Wortendyke Manufacturing Co. 191,151; Nov. 4; Serial No. 198,550; published Aug. 12, 1924.

Paper boxes. G. E. Scruby. 191,348; Nov. 4; Serial No. 196,138; published June 17, 1924.

Paper cans. Union Paper Company. 191,128; Nov. 4; Serial No. 197,568; published July 22, 1924.

Plasters, hand. Barteldes Seed Company. 191,177; Nov. 4; Serial No. 195,477; published Aug. 12, 1924.
 Receptacles for oils. Storage. St. Louis Pump & Equipment Company. 191,173; Nov. 4; Serial No. 195,661; published July 8, 1924.

Sacks, cotton-picker. Crawford-Austin Manufacturing Co. 191,133; Nov. 4; Serial No. 198,123; published July 22, 1924.

Sacks, cotton-picker. Crawford-Austin Manufacturing Co. 191,384; Nov. 4.
 Tanks, storage. Chicago Bridge & Iron Works. 191,132; Nov. 4; Serial No. 198,114; published July 22, 1924.

CLASS 4.

Soap, soap chips, and soap powder. Chas. W. Young & Co. 191,404; Nov. 4.

CLASS 5.

Rubber cement. Essex Rubber Company. 191,387; Nov. 4.

Tires, preparation for punctures in. T. A. Freed. 191,385; Nov. 4.

CLASS 6.

Bay rum, witch-hazel, alcohol body rub, etc. Minneapolis Brewing Company. 191,197; Nov. 4; Serial No. 179,159; published Aug. 28, 1924.

Cream, face. M. Wunder. 191,396; Nov. 4.
 Lotions, liquid. H. G. Holland. 191,246; Nov. 4; Serial No. 195,291; published July 8, 1924.

Powder, antiseptic toilet. La Valliere Co. 191,390; Nov. 4.

CLASS 8.

Pipes, smoking. M. Linkman & Co. 191,144; Nov. 4; Serial No. 191,144; published Aug. 19, 1924.

CLASS 11.

Inked ribbons and carbon papers. Miller-Bryant-Pierce Company. 191,240; Nov. 4; Serial No. 196,396; published Aug. 12, 1924.

Inks, printing. Philip Ruxton Incorporated. 191,379; Nov. 4.

Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Manufacturing Company. 191,253; Nov. 4; Serial No. 193,093; published Aug. 12, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Manufacturing Company. 191,260; Nov. 4; Serial No. 193,094; published Aug. 12, 1924.

CLASS 12.

Plastic coating for wall board, pulpboard, etc. M. Schayer. 191,247; Nov. 4; Serial No. 193,129; published Aug. 26, 1924.

CLASS 10.

Paint, semipaste. West Coat Kalsomine Company. 191,129; Nov. 4; Serial No. 197,644; published Aug. 19, 1924.

Paints, paint enamels, lead, varnishes, and stains. Arrow Paint & Wall Paper Company. 191,269; Nov. 4; Serial No. 182,642; published Aug. 19, 1924.

CLASS 17.

Cigars. Mazer-Cressman Cigar Co. 191,147-8; Nov. 4; Serial Nos. 198,813-14; published Aug. 26, 1924.

Cigars. Mazer-Cressman Cigar Co. 191,223; Nov. 4; Serial No. 198,952; published Aug. 26, 1924.

Cigars. Mazer-Cressman Cigar Co. 191,225; Nov. 4; Serial No. 198,875; published Aug. 26, 1924.

Cigars. National Grocer Company. 191,186; Nov. 4; Serial No. 188,423; published Aug. 26, 1924.

CLASS 19.

Automobile bodies. Quinlan Motors Company. 191,337; Nov. 4; Serial No. 181,776; published Aug. 12, 1924.

Automobiles and constructive parts thereof. Jordan Motor Car Company. 191,232; Nov. 4; Serial No. 199,357; published Aug. 26, 1924.

Vehicles, electric. R. D. Ward. 191,243; Nov. 4; Serial No. 195,665; published Aug. 26, 1924.

CLASS 20.

Floor-covering materials. Waterproof. Feltercraft Company. 191,145; Nov. 4; Serial No. 195,852; published Aug. 5, 1924.

Linooleums, felt-base floor coverings, composition floor coverings, etc. Certain-teed Products Corporation. 191,347; Nov. 4; Serial No. 195,802; published Aug. 5, 1924.

CLASS 21.

Electrical apparatus. R. H. Herschman. 191,252; Nov. 4; Serial No. 190,726; published Mar. 18, 1924.
 Radio sets, audiofrequency transformer for use in. Ford Mica Company. 191,204; Nov. 4; Serial No. 188,673; published Mar. 18, 1924.

CLASS 22.

Dominoes, racks, game pieces, etc., used in playing Chinese. O. P. Cramer. 191,354; Nov. 4; Serial No. 197,004; published Aug. 26, 1924.
 Game. C. Lederer. 191,336; Nov. 4; Serial No. 165,797; published Aug. 25, 1924.

CLASS 24.

Clothespins. R. Sweers. 191,315; Nov. 4; Serial No. 197,178; published Aug. 26, 1924.

Nets, laundry. Tingle, Brown & Co. 191,270-1; Nov. 4; Serial Nos. 182,077-8; published Aug. 26, 1924.

Washing machines, electric. Sunbeam Electric Manufacturing Co. 191,272; Nov. 4; Serial No. 182,071; published Aug. 12, 1924.

Washing machines, laundry. Landers, Frary & Clark. 191,381; Nov. 4.

CLASS 27.

Clocks. William L. Gilbert Clock Company. 191,326; Nov. 4; Serial No. 196,802; published Aug. 12, 1924.

Clocks and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 191,317; Nov. 4; Serial No. 107,074; published Aug. 12, 1924.

Clocks and time recorders. International Time Recording Company of New York. 191,325; Nov. 4; Serial No. 196,811; published 26, 1924.

Clocks and watches. Hamburg-Amerikanische Uhrenfabrik. 191,318; Nov. 4; Serial No. 107,072; published Aug. 12, 1924.

Watchcases. Emerson Watch Case Co. 191,321; Nov. 4; Serial No. 197,018; published August 26, 1924.

Watchcases. Liberty Watch Case Co. 191,323; Nov. 4; Serial No. 196,917; published Aug. 12, 1924.

Watch dials and watch movements. Good-Siegel, Inc. 191,331; Nov. 4; Serial No. 196,057; published Aug. 12, 1924.

Watches. New Haven Clock Co. 191,320; Nov. 4; Serial No. 197,037; published Aug. 26, 1924.

Watches and watch movements. Adolphe Schwob, Inc. 191,324; Nov. 4; Serial No. 196,827; published Aug. 12, 1924.

Watches, clocks, etc. Hoffman Bros., Inc. 191,287; Nov. 4; Serial No. 198,185; published Aug. 12, 1924.

Watches, watch movements, watchcases, etc. Fils de R. Picard & Co., Fabrique Invicta, Invicta Manufacturing Co. 191,267; Nov. 4; Serial No. 188,750; published Aug. 26, 1924.

328 O. G.—16a

CLASS 28.

Bracelets. J. M. Fisher Company. 191,399; Nov. 4.
 Brooches, scarfpins, and cuff buttons. Karl Guggenheim, Inc. 191,263; Nov. 4; Serial No. 192,177; published Aug. 26, 1924.

Buckles, belt. Marathon Company. 191,274; Nov. 4; Serial No. 178,052; published Aug. 26, 1924.

Buttons, metal insignia and ornaments, etc. N. S. Meyer, Inc. 191,259; Nov. 4; Serial No. 193,344; published Aug. 26, 1924.

Flatware and hollow ware, silver plated, etc. R. Wallace & Sons Manfg. Co. 191,403; Nov. 4.

Jewelry and table and toilet ware. E. W. Reynolds Company. 191,261; Nov. 4; Serial No. 192,793; published Aug. 12, 1924.

Pearls, artificial. Blauer Goldstone Company. 191,266; Nov. 4; Serial No. 191,053; published Aug. 26, 1924.

Precious and semiprecious stones. N. D. Fitch. 191,260; Nov. 4; Serial No. 197,268; published Aug. 12, 1924.

Rings, finger. Gilbert & Co. 191,234-8; Nov. 4; Serial Nos. 198,345-9; published Aug. 12, 1924.

Rings, finger. Gilbert & Co. 191,200; Nov. 4; Serial No. 198,344; published Aug. 12, 1924.

Rings, finger. Gilbert & Co. 191,291-4; Nov. 4; Serial Nos. 198,350-3; published Aug. 19, 1924.

Rings, finger. Gilbert & Co. 191,295; Nov. 4; Serial No. 198,354; published Aug. 12, 1924.

Rings, finger. Gilbert & Co. 191,296-7; Nov. 4; Serial Nos. 198,355-6; published Aug. 19, 1924.

Rings, finger. Malenka-Sagar Co. 191,333; Nov. 4; Serial No. 195,297; published Aug. 12, 1924.

Rings, wedding and other finger. Powers & Mayer Manufacturing Corporation. 191,233; Nov. 4; Serial No. 198,420; published Aug. 12, 1924.

Silver dinner service, Sterling. Gorham Manufacturing Company. 191,327; Nov. 4; Serial No. 196,588; published Aug. 26, 1924.

Spoons, plated. Gilchrist Company. 191,402; Nov. 4.

Swivels, fobs, ornamental hairpins, etc. J. M. Fisher Co. 191,275; Nov. 4; Serial No. 161,830; published Aug. 12, 1924.

Thread for stringing pearls and other beads. Posner & Pesselnik. 191,334; Nov. 4; Serial No. 194,736; published Aug. 12, 1924.

CLASS 29.

Brooms, brushes, and dusters. F. W. Hoffman. 191,378; Nov. 4.

Powder puffs. M. Levy. 191,167; Nov. 4; Serial No. 198,649; published Aug. 26, 1924.

CLASS 31.

Filters. Suchar Process Corporation. 191,349; Nov. 4; Serial No. 196,553; published July 29, 1924.

Refrigerating machinery. Enterprise Manufacturing Company. 191,345; Nov. 4; Serial No. 195,164; published July 8, 1924.

Refrigeration apparatus, automatic. I. L. Keith. 191,152; Nov. 4; Serial No. 198,310; published Aug. 12, 1924.

Refrigerators. Gurney Refrigerator Company. 191,344; Nov. 4; Serial No. 194,103; published Aug. 5, 1924.

Refrigerators. Modern Refrigerator Company. 191,168; Nov. 4; Serial No. 198,663; published Aug. 12, 1924.

CLASS 32.

Table extension slides. Watertown Table-Slide Company. 191,400; Nov. 4.

CLASS 33.

Glass caster cups. W. T. Hight Co. 191,134; Nov. 4; Serial No. 198,236; published Aug. 19, 1924.

Glassware. W. Urbach. 191,182; Nov. 4; Serial No. 193,431; published July 29, 1924.

CLASS 35.

Belting, leather. Charles Bond Company. 191,200; Nov. 4; Serial No. 180,414; published Aug. 26, 1924.

Belting, leather machine. E. Handley. 191,196; Nov. 4; Serial No. 179,149; published Aug. 26, 1924.

Gaskets. L. M. Dieterich. 191,203; Nov. 4; Serial No. 183,647; published Aug. 26, 1924.

Packing rings, metal. Stewart Manufacturing Corporation. 191,231; Nov. 4; Serial No. 199,957; published Aug. 20, 1924.

Packings, leather. Graton & Knight Manufacturing Company. 191,241; Nov. 4; Serial No. 196,354; published Aug. 26, 1924.

Piston rings and piston-ring springs. Hunt-Spiller Manufacturing Corp. 191,239; Nov. 4; Serial No. 198,308; published Aug. 19, 1924.

Tires for vehicles, rubber. Pennsylvania Rubber Company. 191,388; Nov. 4.

Tires, vehicle. Fisk Rubber Company. 191,229-30; Nov. 4; Serial Nos. 199,982-3; published Aug. 26, 1924.

CLASS 36.

Accordions. H. Verwer. 191,328; Nov. 4; Serial No. 196,416; published Aug. 12, 1924.

Banjos, guitars, mandolins, etc. Henry Stadtmair, Co. 191,329; Nov. 4; Serial No. 196,408; published Aug. 12, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Banjos, guitars, ukuleles, etc. Henry Stadlmair Co. 191,330; Nov. 4; Serial No. 196,407; published Aug. 12, 1924.

Banjos, mandolins, guitars, etc. C. Bruno & Son, Inc. 191,376; Nov. 4; Serial No. 196,407; published Aug. 12, 1924.

Callopes. N. G. Baker. 191,265; Nov. 4; Serial No. 191,359; published Aug. 12, 1924.

Harmonicas. M. Hohner, Inc. 191,298; Nov. 4; Serial No. 198,400; published Aug. 26, 1924.

Horns. Simson & Frey, Inc. 191,285; Nov. 4; Serial No. 198,090; published Aug. 26, 1924.

Musical instruments. E. Herrmann. 191,248; Nov. 4; Serial No. 188,754; published Aug. 12, 1924.

Musical instruments and supplies. Grossman Brothers Company. 191,380; Nov. 4.

Musical instruments, reeds for wood-wind. Carl Fischer Inc. 191,319; Nov. 4; Serial No. 197,067; published Aug. 26, 1924.

Phonograph records. Cameo Record Corporation. 191,332; Nov. 4; Serial No. 195,736; published Aug. 12, 1924.

Phonographs and phonograph-record-holding albums. Plerson Company. 191,264; Nov. 4; Serial No. 192,084; published Aug. 12, 1924.

Phonographs and tone chambers. Songster Phonograph Company. 191,256; Nov. 4; Serial No. 194,574; published Aug. 12, 1924.

Pianos and phonographs. Maine Music Co. 191,377; Nov. 4.

Pianos and piano players and parts thereof and music rolls. C. C. Conway, R. O. Alsille, and T. P. Brown, cotrustees. 191,262; Nov. 4; Serial No. 192,214; published Aug. 26, 1924.

Saxophone and cornet reeds. Simson & Frey, Inc. 191,288; Nov. 4; Serial No. 198,260; published Aug. 12, 1924.

Violins, violas, violoncellos, etc. Ernst H. Roth Co. 191,316; Nov. 4; Serial No. 197,171; published Aug. 26, 1924.

Violins, violas, violoncellos, etc. Simson & Frey, Inc. 191,279; Nov. 4; Serial No. 197,222; published Aug. 26, 1924.

CLASS 37.

Envelopes and slips of paper. Apertured. H. C. Spencer. 191,304; Nov. 4; Serial No. 191,042; published July 22, 1924.

Index and filing devices. Portable. D. W. Low. 191,309; Nov. 4; Serial No. 196,600; published July 22, 1924.

Paper. H. Dexter & Sons, Inc. 191,312-13; Nov. 4; Serial Nos. 197,366-7; published July 22, 1924.

Paper, cards, and envelopes. Announcement. American Writing Paper Company. 191,251; Nov. 4; Serial No. 190,484; published Feb. 26, 1924.

Paper, envelopes, paper napkins, etc. Writing. Myers Paper Company. 191,305; Nov. 4; Serial No. 192,783; published July 8, 1924.

Paper for skin cleaning purposes. Tissue. Continental Paper & Bag Mills Corporation. 191,314; Nov. 4; Serial No. 197,416; published July 22, 1924.

Paper, Kraft tray. San Joaquin Grocery Co. 191,254; Nov. 4; Serial No. 198,128; published Apr. 22, 1924.

Paper, mailing envelopes, and papereries, Writing. White & Wyckoff Manufacturing Company. 191,383; Nov. 4.

Paper, paper napkins, towels, and tablecloths. Fort Howard Paper Company. 191,202; Nov. 4; Serial No. 180,973; published July 8, 1924.

Paper, paper towels, and paper napkins. Toilet. Wortendyke Manufacturing Co. 191,391; Nov. 4.

Paper, paper towels, and paper napkins. Toilet. Wortendyke Manufacturing Co. 191,391; Nov. 4.

Paper, Wall. Charles G. Hampson Co. 191,406; Nov. 4.

Paper, Wall. Niagara Wall Paper Company. 191,198-9; Nov. 4; Serial Nos. 180,189-90; published July 8, 1924.

Papers. Reese & Reese. 191,302; Nov. 4; Serial No. 190,467; published July 8, 1924.

Papers, tablets, and envelopes. Writing. Toledo Merchandise Company. 191,242; Nov. 4; Serial No. 195,786; published July 8, 1924.

Papers, wrapping and transparent. Westfield River Paper Company. 191,308; Nov. 4; Serial No. 196,325; published July 22, 1924.

Pencils. American Lead Pencil Company. 191,245; Nov. 4; Serial No. 195,565; published July 8, 1924.

Pens and pencils. Parker Pen Co. 191,306; Nov. 4; Serial No. 193,677; published July 8, 1924.

Pens, Fountain. S. A. Harris. 191,307; Nov. 4; Serial No. 195,169; published July 22, 1924.

Pens, Stylographic. J. D. Snow. 191,311; Nov. 4; Serial No. 197,225; published July 22, 1924.

Printed forms. Newsham Insurance System Co. 191,303; Nov. 4; Serial No. 190,606; published July 8, 1924.

Scoring charts. Carl R. Blackman, Barnwell S. Stuart, and Glenn W. Shaw. 191,250; Nov. 4; Serial No. 190,441; published June 10, 1924.

Tablets, pencils, crayons, etc. Writing. Myers Paper Company. 191,310; Nov. 4; Serial No. 196,007; published July 22, 1924.

Clothing. Hamilton Garment Company. 191,405; Nov. 4.

CLASS 39.

Boots and shoes. E. W. Warren & Company. 191,397; Nov. 4.

Clothing. Henry Martin Company. 191,398; Nov. 4.

Hats, Ladies'. J. Tenenbaum & Sons. 191,401; Nov. 4.

Hosiery. Bear Brand Hosiery Co. 191,382; Nov. 4.

Hosiery. Republic Knitting Mills. 191,386; Nov. 4.

Suits, Men's. Stevens, Inc. 191,389; Nov. 4.

Trousers. D. Maiman. 191,189; Nov. 4; Serial No. 174,210; published Aug. 12, 1924.

CLASS 41.

Umbrellas and parasols. La Société Anonyme "Parapluie-Revel." 191,342; Nov. 4; Serial No. 193,525; published Aug. 5, 1924.

CLASS 42.

Bedspreads. Stevens Manufacturing Company. 191,161; Nov. 4; Serial No. 198,332; published Aug. 5, 1924.

Cloth in the piece. Printed terry. Cohn Hall Marx Co. 191,176; Nov. 4; Serial No. 195,494; published Aug. 5, 1924.

Cotton and woolen piece goods. Rojo Fabian & Co. 191,353; Nov. 4; Serial No. 196,972; published Aug. 5, 1924.

Cotton, linen, etc., piece goods. Faultless Nightwear Corporation (E. Rosenfeld & Co.). 191,300; Nov. 4; Serial No. 198,737; published Aug. 5, 1924.

Cotton piece goods. American Bleached Goods Company. 191,341; Nov. 4; Serial No. 193,492; published Apr. 20, 1924.

Cotton piece goods. E. V. Benjamin Co. 191,206-7; Nov. 4; Serial Nos. 199,459-60; published Aug. 12, 1924.

Cotton piece goods. E. V. Benjamin Co. 191,208; Nov. 4; Serial No. 199,457; published Aug. 12, 1924.

Cotton piece goods. E. V. Benjamin Company. 191,209; Nov. 4; Serial No. 199,456; published Aug. 19, 1924.

Cotton piece goods. Kelsey Textile Corporation. 191,125; Nov. 4; Serial No. 197,280; published Aug. 19, 1924.

Cotton piece goods. Klaubner Bros. & Co. 191,350; Nov. 4; Serial No. 196,665; published Aug. 12, 1924.

Cotton piece goods. York Mfg. Co. 191,120; Nov. 4; Serial No. 196,091; published June 24, 1924.

Cotton-sateen piece goods. Voss & Stern. 191,187; Nov. 4; Serial No. 185,544; published July 1, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,136; Nov. 4; Serial No. 199,209; published Aug. 12, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,137; Nov. 4; Serial No. 199,146; published Aug. 19, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,138; Nov. 4; Serial No. 199,145; published Aug. 12, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,139-40; Nov. 4; Serial Nos. 199,143-4; published Aug. 19, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,141; Nov. 4; Serial No. 199,142; published Aug. 12, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,213; Nov. 4; Serial No. 199,216; published Aug. 12, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,214; Nov. 4; Serial No. 199,214; published Aug. 19, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,215; Nov. 4; Serial No. 199,213; published Aug. 12, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,216; Nov. 4; Serial No. 199,212; published Aug. 19, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 191,217-18; Nov. 4; Serial Nos. 191,210-11; published Aug. 12, 1924.

Crêpe of cotton and silk. Nathan & Cohen Co. 191,160; Nov. 4; Serial No. 198,082; published Aug. 19, 1924.

Draperies. Aracoma Drapery Fabrics, Incorporated. 191,351-2; Nov. 4; Serial Nos. 196,784-5; published July 29, 1924.

Fabrics in the piece. Pile. Sidney Blumenthal & Co. 191,142; Nov. 4; Serial No. 199,106; published Aug. 12, 1924.

Ginghams in the piece. Patterned cotton. G. Sellar. 191,191; Nov. 4; Serial No. 153,960; published Aug. 19, 1924.

Hair nets. Bonnie-B Co. 191,158; Nov. 4; Serial No. 197,798; published July 29, 1924.

Hair nets. West Electric Hair Curler Company. 191,155; Nov. 4; Serial No. 197,403; published July 29, 1924.

Handkerchiefs. Acheson Harden Co. 191,179; Nov. 4; Serial No. 195,148; published Aug. 5, 1924.

Handkerchiefs. E. Heller & Brother, Inc. 191,180-1; Nov. 4; Serial Nos. 194,708-9; published Aug. 5, 1924.

Handkerchiefs. Henry H. Leon Co. 191,174; Nov. 4; Serial No. 195,582; published Aug. 19, 1924.

Handkerchiefs. York Street Flax Spinning Co. 191,118; Nov. 4; Serial No. 195,907; published July 29, 1924.

Knitted goods. Schreiber, Brantman & Wyner, Inc. 191,157; Nov. 4; Serial No. 197,781; published Aug. 5, 1924.

Laces and embroideries. W. Sennhauser. 191,156; Nov. 4; Serial No. 197,624; published Aug. 5, 1924.

Linen, linen towels, and toweling. Table. James A. Hearn & Son Inc. 191,178; Nov. 4; Serial No. 195,280; published Aug. 12, 1924.

Linen in the piece. Dress and suiting. Robert McBratney & Company, Incorporated. 191,221; Nov. 4; Serial No. 199,013; published Aug. 19, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Piece goods. Glenbrook Worsted Mills. 191,224; Nov. 4; Serial No. 198,942; published Aug. 12, 1924.

Piece goods. Jacob Miller's Sons Co. 191,162-3; Nov. 4; Serial Nos. 198,416-17; published Aug. 5, 1924.

Rugs. Marietta Knitting Company. 191,222; Nov. 4; Serial No. 199,012; published Aug. 12, 1924.

Rugs. Textile. Hardwick & Magee Company. 191,407; Nov. 4.

Sheeting. Farish Company. 191,154; Nov. 4; Serial No. 197,197; published Aug. 5, 1924.

Sheeting, Cotton. Frederick Blank & Co. 191,335; Nov. 4; Serial No. 147,151; published Aug. 10, 1924.

Silk and cotton mixed piece goods, etc. H. Jacob & Sons, Inc. 191,170; Nov. 4; Serial No. 198,748; published Aug. 19, 1924.

Silk, artificial silk, wool, etc., Piece goods made of. Haas Brothers Fabrics Corporation. 191,226-8; Nov. 4; Serial Nos. 198,862-4; published Aug. 19, 1924.

Silk, cotton and silk, and cotton piece goods. Fried. Mendelson & Co. 191,183; Nov. 4; Serial No. 191,067; published June 3, 1924.

Silk fabrics. Knitted. Banner Silk Knitting Mills, Inc. 191,165; Nov. 4; Serial No. 198,554; published Aug. 5, 1924.

Silk goods in the piece. Russell & Fellman. 191,149; Nov. 4; Serial No. 198,682; published Aug. 19, 1924.

Silk, imitation silk, pongee, and sea-island cotton in the piece. Altman Fellerman Silk Company. 191,184; Nov. 4; Serial No. 189,227; published Aug. 19, 1924.

Silk piece goods. B. Edmund David, Inc. 191,175; Nov. 4; Serial No. 195,500; published Aug. 19, 1924.

Silk piece goods. Duplan Silk Corporation. 191,172; Nov. 4; Serial No. 198,849; published Aug. 12, 1924.

Silk piece goods. Duplan Silk Corporation. 191,244; Nov. 4; Serial No. 198,850; published Aug. 12, 1924.

Textile fabrics. Worsted and woolen. Holden-Leonard Company. 191,164; Nov. 4; Serial No. 198,521; published Aug. 5, 1924.

Textile goods in a piece, silk, artificial silk, cotton, wool, and mixtures thereof. Herbert B. Lederer Corp. 191,171; Nov. 4; Serial No. 198,751; published Aug. 19, 1924.

Towels, face cloths, bath mats, and bath sheets. A. S. Herrmann. 191,343; Nov. 4; Serial No. 193,772; published Aug. 19, 1924.

Towels, Turkish. H. W. Baker Linen Company. 191,130; Nov. 4; Serial No. 197,796; published July 29, 1924.

Woolen piece goods. Billhuber-Wawak Company. 191,143; Nov. 4; Serial No. 199,034; published Aug. 12, 1924.

Woolen piece goods. Billhuber-Wawak Company. 191,211; Nov. 4; Serial No. 199,340; published Aug. 12, 1924.

Woolen piece goods. Billhuber-Wawak Company. 191,212; Nov. 4; Serial No. 199,339; published Aug. 19, 1924.

Woolen piece goods. Billhuber-Wawak Company. 191,220; Nov. 4; Serial No. 199,033; published Aug. 12, 1924.

Woolen piece goods. Madison Woolen Co. 191,166; Nov. 4; Serial No. 198,577; published Aug. 5, 1924.

Woolen piece goods. Worumbo Manufacturing Company. 191,210; Nov. 4; Serial No. 199,449; published Aug. 19, 1924.

Worsted and woolen textile fabrics. Holden-Leonard Company. 191,121; Nov. 4; Serial No. 190,303; published Aug. 19, 1924.

Worsted and woolen textile fabrics. Holden-Leonard Company. 191,146; Nov. 4; Serial No. 198,709; published Aug. 5, 1924.

CLASS 43.

Thread. Corticelli Silk Company. 191,339; Nov. 4; Serial No. 188,892; published Aug. 5, 1924.

Threads and yarns. Mutual Thread Company. 191,135; Nov. 4; Serial No. 199,564; published Aug. 12, 1924.

Threads of silk, cotton, and wool. Corticelli Silk Company. 191,117; Nov. 4; Serial No. 195,949; published Aug. 5, 1924.

Yarn. Artificial-silk and real-silk. A. J. Rothstein. 191,258; Nov. 4; Serial No. 193,357; published Aug. 5, 1924.

CLASS 45.

Beverage. P. Acunto. 191,392; Nov. 4.

Extract for the manufacture of a beverage. Dill Company. 191,219; Nov. 4; Serial No. 199,047; published Aug. 26, 1924.

Flavoring extracts, concentrates, sirups. T. Gruenbaum. 191,153; Nov. 4; Serial No. 197,146; published Aug. 26, 1924.

CLASS 46.

Bottled and tinned anchovies, bottled capers and olives, etc. Julius Wile Sons & Co. 191,126; Nov. 4; Serial No. 197,524; published Aug. 19, 1924.

Butter. Swift and Company. 191,249; Nov. 4; Serial No. 189,079; published Jan. 15, 1924.

Candies. Walla Walla Candy Company. 191,374; Nov. 4; Serial No. 173,945; published Aug. 26, 1924.

Candies, sandwiches, pies, etc. Peoples Drug Stores, Inc. 191,369; Nov. 4; Serial No. 180,912; published Aug. 5, 1924.

Candy. Bonita Co. 191,370; Nov. 4; Serial No. 189,097; published Aug. 26, 1924.

Candy. F. A. Martocchio Macaroni Co. 191,366; Nov. 4; Serial No. 197,549; published July 29, 1924.

Candy. J. G. McDonald Chocolate Company. 191,356; Nov. 4; Serial No. 199,378; published Aug. 26, 1924.

Candy. Underwood-Talmage Co. 191,278; Nov. 4; Serial No. 199,441; published Aug. 26, 1924.

Candy. Underwood-Talmage Co. 191,355; Nov. 4; Serial No. 199,406; published Aug. 26, 1924.

Candy. Van Engers, Inc. 191,361-2; Nov. 4; Serial Nos. 198,548-9; published Aug. 19, 1924.

Candy. F. L. Villas. 191,281; Nov. 4; Serial No. 197,521; published Aug. 26, 1924.

Candy. Virginia Baking Co. 191,277; Nov. 4; Serial No. 199,443; published Aug. 26, 1924.

Candy, Chocolate. Eline's Incorporated. 191,289; Nov. 4; Serial No. 198,295; published Aug. 26, 1924.

Canned berries and fruits. Olympia Canning Company. 191,276; Nov. 4; Serial No. 199,714; published Aug. 26, 1924.

Canned fruits and vegetables. Hunt Brothers Packing Company. 191,257; Nov. 4; Serial No. 193,521; published Aug. 26, 1924.

Canned fruits, vegetables, and pork and beans. Akron Grocery Company. 191,340; Nov. 4; Serial No. 191,591; published Aug. 19, 1924.

Canned salmon. Stuart Packing Corporation. 191,269; Nov. 4; Serial No. 182,621; published Dec. 18, 1923.

Canned vegetables. Minnesota Crosby Corn Exchange. 191,395; Nov. 4.

Cocon, coffee, barley, jellies, etc. Charles & Co. 191,367; Nov. 4; Serial No. 195,154; published Aug. 26, 1924.

Coffee. Bay City Milling Company. 191,286; Nov. 4; Serial No. 198,170; published Aug. 26, 1924.

Coffee. Carolina Coffee Co. 191,255; Nov. 4; Serial No. 199,675; published Aug. 26, 1924.

Coffee, Green. Westfeldt Brothers. 191,357; Nov. 4; Serial No. 198,898; published Aug. 12, 1924.

Coffee, tea, spices, jams, etc. Hewlett Brothers Company. 191,205; Nov. 4; Serial No. 200,045; published Aug. 26, 1924.

Confections. H. Mallard. 191,282; Nov. 4; Serial No. 197,546; published Aug. 26, 1924.

Feed, Poultry. Quisenberry Feed Mfg. Co. 191,193-4; Nov. 4; Serial Nos. 164,773-4; published Apr. 3, 1923.

Food and ice-cream flavors. Orange Crush Company. 191,373; Nov. 4; Serial No. 176,498; published Aug. 26, 1924.

Fruits and vegetables, Fresh and preserved. Benegas Hnos. y Cia., Ltda. Soc. Anon. Industrial y Comercial. 191,190; Nov. 4; Serial No. 170,363; published June 10, 1924.

Grapes. Alberti Brothers. 191,301; Nov. 4; Serial No. 199,515; published Aug. 26, 1924.

Grapes, Fresh. Woodbridge Fruit Company. 191,371; Nov. 4; Serial No. 182,950; published Mar. 18, 1924.

Ice cream. Bridgeman-Russell Company. 191,363; Nov. 4; Serial No. 198,397; published Aug. 26, 1924.

Ice-cream cones. Roberts Cone Manufacturing Company. 191,360; Nov. 4; Serial No. 198,650; published Aug. 26, 1924.

Ice-cream confections and fancy drinks. Topping for. Tip-Ton Bottling Company. 191,322; Nov. 4; Serial No. 196,991; published Aug. 26, 1924.

Macaroni and other alimentary pastes. Rocco Perretta & Co. 191,358; Nov. 4; Serial No. 198,884; published Aug. 26, 1924.

Meats, pork products, lard. T. T. Keane Company. 191,372; Nov. 4; Serial No. 181,081; published Aug. 26, 1924.

Nuts, Pistachio. Zaloom Brothers Company. 191,273; Nov. 4; Serial No. 181,803; published Feb. 12, 1924.

Oranges, Fresh. Fullerton Mutual Orange Association. 191,364-5; Nov. 4; Serial Nos. 197,874-5; published Aug. 26, 1924.

Peaches, apricots, and melons. C. B. Rumble. 191,284; Nov. 4; Serial No. 197,835; published Aug. 26, 1924.

Peaches, Fresh. D. C. Westbrook. 191,283; Nov. 4; Serial No. 197,643; published Aug. 26, 1924.

Potato chips, Chocolate-covered. Cardinal Candy Company. 191,299; Nov. 4; Serial No. 198,563; published Aug. 5, 1924.

Salad and French dressings, mustard, sweet vegetable relish. C. S. Goodyer. 191,393; Nov. 4.

Salad dressings. Handley Products Company. 191,368; Nov. 4; Serial No. 195,108; published Aug. 26, 1924.

Spices, barley, rice flour, pearl tapioca. Van Loan & Company. 191,346; Nov. 4; Serial No. 195,556; published Aug. 19, 1924.

Sugar, fresh potatoes, canned apples, etc. Western Grocer Company. 191,359; Nov. 4; Serial No. 198,692; published Aug. 26, 1924.

Vinegar, canned goods, cereals, etc. B. A. Rallton Company. 191,195; Nov. 4; Serial No. 169,648; published Feb. 12, 1924.

CLASS 48.

Sirup, Malt. Blatz Products Company. 191,185; Nov. 4; Serial No. 188,656; published Aug. 26, 1924.

CLASS 49.

Brandy. F. Culman. 191,169; Nov. 4; Serial No. 198,733; published Aug. 26, 1924.

CLASS 50.

Piece goods made wholly or in part of cloth and composition. J. C. Haartz Company. 191,159; Nov. 4; Serial No. 197,879; published Aug. 19, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Charcoal. United Fuel & Supply Company. 202,647; Nov. 4.
Coal. John P. Agnew & Co. 200,379; Nov. 4.
Coal. Morris Run Coal Mining Company. 202,351; Nov. 4.
Coal. Pittsburgh Coal Company. 202,910; Nov. 4.

CLASS 2.

Bottles, insulated. Icy-Hot Bottle Company. 162,256; Nov. 4.
Boxes, Candy and bonbon. F. A. Purchas. 201,979; Nov. 4.
Boxes, Metal. H. H. Westinghouse. 202,571; Nov. 4.
Boxes, tubes, and cartons. Columbia Corrugated Company. 180,048; Nov. 4.

CLASS 4.

Liquid for brake liners, clutch faces, and like gripping surfaces. Rejuvenating. A. M. Fredrickson. 187,618; Nov. 4.
Polish, Shoe. C. E. Johnson & Co. 181,401; Nov. 4.
Rust-removing and cleaning compound. H. Siegel. 198,686; Nov. 4.
Shaving cream. Lever Brothers Company. 189,631; Nov. 4.

CLASS 6.

Alcohol, Denatured. Brooklyn Alcohol Corporation. 202,046; Nov. 4.
Ammonia. R. H. Macy & Co. 201,812; Nov. 4.
Antiseptic and deodorant. Lloyd Brothers, Pharmacists Inc. 203,047; Nov. 4.
Boiler compound. J. A. Sexauer Mfg. Co. 201,681; Nov. 4.
Cholagogue, diuretic, and hepatic stimulant. F. X. Hufschmidt. 200,947; Nov. 4.
Cleaning, purifying, and medicating the air of a room. Compound for. Tyler Chemical Co. 203,061; Nov. 4.
Confection for coughs, colds, sore throat, and hoarseness. Fixaco Company. 199,468; Nov. 4.
Creams, depilatories, hair growers, etc. Cold. A. Simon. 195,654-5; Nov. 4.
Deodorant. Newbro Manufacturing Co. 201,771; Nov. 4.
Herbs. W. Piotrowska. 199,849; Nov. 4.
Laxative tablets, ointment, etc. J. T. Asbury. 202,432; Nov. 4.
Liniment and tonic and laxative. S. L. Allen. 200,700; Nov. 4.
Lotion, Face and hand. J. Karlin. 183,036; Nov. 4.
Lotion, Skin. A. J. McIntyre. 201,572; Nov. 6.
Lotions and toilet powders, Toilet face. R. C. Gostenhofer. 197,876; Nov. 4.
Medicinal compounds. C. S. Cox. 200,309; Nov. 4.
Medicine. Erickson & Peterson. 201,432; Nov. 4.
Mouth wash. Ukemco Corporation. 199,727; Nov. 4.
Ointment. Harzol Company. 199,888; Nov. 4.
Ointment, Pile. W. A. Grosse. 201,498; Nov. 4.
Preparation for affections of the nose and throat and for defective hearing. International Chemical Company. 201,196; Nov. 4.
Preparation for the treatment of pyorrhea. J. Karlin. 183,035; Nov. 4.
Remedies, Livestock. Hirschauer Medicated Oil Co. 186,749; Nov. 4.
Rouge. E. De La Vie. 182,791; Nov. 4.
Sal ammoniac, Compressed cakes of. C. W. Hart. 200,393; Nov. 4.
Salt. Taylor Bros. & Co. 202,722; Nov. 4.
Salve. V. Peppas. 201,374; Nov. 4.
Tablets and liquids for gastritis, heartburn, etc. R. R. McDonald. 201,817; Nov. 4.
Tablets containing codliver oil, Compound. A. Berkhall. 200,605; Nov. 4.
Tablets, Laxative. Pitman-Moore Company. 203,004; Nov. 4.
Tonic, serum, medicinal preparation, and dry insecticide. Mid-West Research Laboratory. 202,672; Nov. 4.

CLASS 10.

Fertilizers and agricultural lime. Agricultural Supply Corporation. 202,686; Nov. 4.

CLASS 12.

Insulating material, Heat. J. E. Eastmond. 201,338; Nov. 4.
Metal channel iron, metal studding, metal bearing strips, and the like. Youngstown Pressed Steel Company. 199,270; Nov. 4.
Pavements, Composition for making hard road. Brown & Wolary. 198,110; Nov. 4.

Roofing materials, etc., Composition. Barber Asphalt Company. 198,502; Nov. 4.
Stucco finishes. J. Ridge. 202,081; Nov. 4.

CLASS 13.

Plumbers' supplies. F. and W. Tag Company. 201,555; Nov. 4.
Toothbrush and tooth-paste holder and curtain-rod brackets. L. G. Strnad. 202,040; Nov. 4.
Wire and woven wire fencing. American Steel and Wire Company of New Jersey. 196,496; Nov. 4.

CLASS 14.

Brass or copper or alloys thereof, etc., Sheets and bars of. Taunton-New Bedford Copper Company. 201,473; Nov. 4.
Car replacers. T. H. Edelblute. 200,383-5; Nov. 4.
Iron and steel, Rolled. M. Brown. 202,375-8; Nov. 4.

CLASS 15.

Gasoline. Motorade Corporation. 201,042; Nov. 4.
Lubricating compounds. Panoleum Products Co. 196,756; Nov. 4.
Oil, Kerosene. Wofford Oil Company. 202,271; Nov. 4.
Oils and greases, Lubricating. Franklin Oil Company. 197,479; Nov. 4.

CLASS 16.

Finish for ceilings and walls. C. E. Bradley. 194,902; Nov. 4.
Lacquers, lacquer enamels, and paints. Maas & Waldstein Co. 200,208; Nov. 4.
Paint, Asbestos fireproof. Detroit Graphite Company. 196,158; Nov. 4.
Paint for automobiles. Flashlite Auto Paint Co. 202,105; Nov. 4.
Paint for tires and rubber goods. Goodyear Tire & Rubber Company. 169,481; Nov. 4.
Paint, varnishes, and automobile body finishes, Prepared. Sewall Paint & Glass Company. 201,159; Nov. 4.
Paints and paint products. A. M. Siegel. 186,296; Nov. 4.
Paints, lacquers, paint enamels, etc. Rowell Corporation. 200,406; Nov. 4.
Paints, Ready-mixed. John G. Butler Company. 201,391; Nov. 4.
Paints, Ready-mixed prepared. A. M. Sweyd. 199,505; Nov. 4.
Polish, Automobile. Nu-Luster Products Co. 200,895; Nov. 4.
Polish, Automobile. S. V. Ward. 198,390; Nov. 4.
Polish, Automobile. C. C. Zeigler. 200,920; Nov. 4.
Shellac, orange shellac, button lac, and garnet lac, Gum. Angelo Bros. Limited. 195,614; Nov. 4.
Shellac, orange shellac, button lac, and garnet lac, Gum. Angelo Bros. Limited. 195,616; Nov. 4.
Turpentine. Acme Products Company. 202,368; Nov. 4.
Varnish. Breinig Brothers, Inc. 201,946; Nov. 4.
Varnish composition. Dings & Schuster. 199,154; Nov. 4.

CLASS 17.

Cigars. G. H. Thompson. 176,220; Nov. 4.
Tobacco, Chewing and smoking. Liggett & Myers Tobacco Company. 195,700; Nov. 4.
Tobacco, Smoking. Cohen, Weenen & Co. 201,122; Nov. 4.

CLASS 19.

Automobile radiators. Harrison Radiator Corporation. 200,367; Nov. 4.
Shock absorbers. Lincoln Products Co. 201,765; Nov. 4.
Trucks, Industrial Elwell-Parker Electric Co. 198,062; Nov. 4.
Velocipedes, Small. Al. Ray Co. 197,292; Nov. 4.

CLASS 21.

Aerial loops, radio receiving machines, and supplies. J. Nazeley. 189,511; Nov. 4.
Batteries, National Lead Battery Co. 196,471-2; Nov. 4.
Batteries, Dry. Manhattan Electrical Supply Company. 175,937; Nov. 4.
Batteries, Dry. Manhattan Electrical Supply Company. 195,970; Nov. 4.
Circuit-breaking devices for auto vehicles. R. E. Reed. 198,380; Nov. 4.
Electric insulators. Taylor, Tunnell & Co. 199,596; Nov. 4.
Insulating compounds. Engineering Products Corporation. 200,871; Nov. 4.
Panel, boards, switchboards, etc. Drendell Electrical & Mfg. Co. 197,534; Nov. 4.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Polishing, brushing, cleaning, and drilling machines. Rotary electric. Prest-O-Electric Devices Co. 191,404; Nov. 4.
Radio apparatus. Radiocraft Company. 174,029; Nov. 4.
Radiohorns, radiophones, radio receiving sets, and parts thereof. I. Rudolph. 199,091; Nov. 4.
Radio receiving sets. J. F. Brandeis Corporation. 201,693; Nov. 4.
Radio receiving sets, loud speakers, head sets, and parts thereof. A. G. Hoffman. 195,060; Nov. 4.
Rheostats, resistors, variometers, etc. Kinodyne Radio Corporation. 197,667; Nov. 4.
Timers for internal-combustion engines. F. C. Spinner. 200,409; Nov. 4.
Variocouplers, variometers, coils, etc. Fallkill Radio & Electrical Corp. 200,389; Nov. 4.

CLASS 22.

Billiard balls. National Pool & Billiard Supply Co. 201,368; Nov. 4.
Fishing lines. South Bend Bait Company. 185,880; Nov. 4.
Game, Parlor. M. L. Cronenberger. 201,331; Nov. 4.
Vehicles somewhat similar to sleds or toboggans. Hunt, Helm, Ferris & Co. 202,118; Nov. 4.
Wagons, Coaster. Saginaw Stamping & Tool Co. 201,718; Nov. 4.

CLASS 23.

Bobbin heads, perforators, etc. Edwin B. Stimpson Company. 185,157; Nov. 4.
Buckets for pumps, Chain. O. P. Schriver Company. 203,334; Nov. 4.
Pistons. C. R. Hammond. 191,265; Nov. 4.
Valves for internal-combustion engines, Poppet. Rich Tool Company. 200,280; Nov. 4.

CLASS 24.

Clothespins, washboards, and washing machines. Fisher Bros. Paper Company. 200,876; Nov. 4.

CLASS 26.

Charts or devices, Manually-operated multiplication and addition. C. A. Cook. 201,095; Nov. 4.
Instrument for indicating the performance of the fuel-feeding systems of motor vehicles. Smith Motor Equipment Company. 202,042; Nov. 4.
Levels. Stanley Works. 191,647; Nov. 4.
Photographic shutters. Eastman Kodak Company. 202,799; Nov. 4.
Pictures and motion-picture films, Motion. Vitagraph Company of America. 200,791; Nov. 4.

CLASS 27.

Clocks. P. Demetropoulos. 200,549; Nov. 4.
Watches. Union Horlogère S. A. 194,225; Nov. 4.

CLASS 28.

Buckles of precious metal. Gorham Manufacturing Company. 200,679; Nov. 4.
Chains, bracelets, brooches, etc. Fr. Spedel. 196,718; Nov. 4.
Chains, fobs, pendants, etc. Fr. Spedel. 196,832; Nov. 4.

CLASS 29.

Broom and shovel, Combination. I. Bershadsky. 199,927; Nov. 4.
Brushes, Paint and varnish. Bigelow Brush Company. 200,607; Nov. 4.

CLASS 31.

Filters. United Filters Corporation. 200,790; Nov. 4.

CLASS 32.

Cribs. J. Mirabella. 201,364; Nov. 4.
Furniture, Household. Compactum Limited. 198,174; Nov. 4.

CLASS 33.

Dishes, Sets of miniature. Corning Glass Works. 202,284-5; Nov. 4.
Lamp chimneys, Glass. Standard Oil Company. 165,827; Nov. 4.

CLASS 34.

Lamp shades and reflectors. W. T. Edwards Manufacturing Company. 197,591; Nov. 4.

CLASS 35.

Brake lining and clutch facings, Automobile. R. J. Hill Brake Co. 200,594; Nov. 4.
Fan Belts and patches. P. L. Knick. 199,997; Nov. 4.
Hose, belting, packing, and jar rings. J. W. Buckley Rubber Co. 191,162; Nov. 4.
Inner-tube patches. T. A. Messenger. 189,465; Nov. 4.
Journal boxes, Dust guards for. Chaton Fibre Company. 179,775; Nov. 4.
Leather belting, leather straps, and rawhide cut lace. Whiting Leather & Belting Co. 201,788; Nov. 4.

Piston rings. Bronze Seal Piston Ring Co. 182,699; Nov. 4.
Rubber goods. Castle Rubber Company. 202,853; Nov. 4.
Tire casings, Pneumatic. Capital Paper Company. 203,072; Nov. 4.

CLASS 36.

Harmonicas and accordions. C. Bruno & Son, Inc. 201,326; Nov. 4.
Phonograph records. Brunswick-Balke-Collender Company. 202,548; Nov. 4.
Phonograph records, phonographs, and phonograph needles. Hollywood Record Company. 202,016; Nov. 4.
Phonographs, Recording and reproducing. Reproducto Mfg. Corp. 196,074; Nov. 4.
Strings for violins and similar musical instruments. Goll-Evans Co. 200,489-90; Nov. 4.
Tuning peg for banjos, etc. H. A. Weymann & Son, Inc. 200,697; Nov. 4.

CLASS 37.

Binders, Loose-leaf. Boorum & Pease Company. 201,487; Nov. 4.
Chalk and elastic bands. Schwan-Bleistift-Fabrik A.-G. 199,858; Nov. 4.
Index cards, card ledgers, label strips, etc. Library Bureau. 202,559; Nov. 4.
Instruments for recording the dial settings at which radio broadcasting stations are brought in by radio receiving stations and paper webs therefor. F. W. Renwick. 191,913; Nov. 4.
Ledgers, Binders for loose-leaf. Joseph J. Schultz & Co. 198,766; Nov. 4.
Paper and stationery. H. W. Williams & Co. 200,793; Nov. 4.
Paper, Toilet. Paper Service Co. 202,458; Nov. 4.
Paper wrappers, Protective. W. P. Aull. 195,930; Nov. 4.
Papers, envelopes, social stationery, and cards. A. B. Lemon. 167,778; Nov. 4.
Pen, Fountain. Parker Pen Co. 202,636; Nov. 4.
Pencils and penholders. Schwan-Bleistift-Fabrik A.-G. 199,859; Nov. 4.
Pencils, penholders, and erasers. Everhard Faber Pencil Company. 202,493; Nov. 4.
Printed forms, business systems, and filing cabinets. G. T. Bell. 196,148; Nov. 4.
Tablets, writing papers, envelopes, etc. Montag's Incorporated. 200,148; Nov. 4.
Typewriter ribbons. Standard Products Corporation. 198,263; Nov. 4.

CLASS 38.

Books and pamphlets. John Rudin & Company. 199,903; Nov. 4.
Books, Printed. W. W. Walter. 200,735; Nov. 4.

CLASS 39.

Bathing slippers. American Rubber and Tire Company. 180,574-5; Nov. 4.
Boots, shoes, and slippers. Young Shoe Company. 200,076; Nov. 4.
Brassieres. A. Gallagher. 194,345; Nov. 4.
Caps and hats. Colonial Hat Company. 197,866; Nov. 4.
Caps, Men's and boys'. Israel, Goldberg & Co. 188,559; Nov. 4.
Coats, vests, trousers, etc. Nat. Luxenberg & Bros. 200,687; Nov. 4.
Corsets. L. Bamberger & Co. 190,002; Nov. 4.
Dresses. E. N. Marcus. 197,426; Nov. 4.
Girdles for ladies, All-rubber. Boyshform Brassiere Co. 198,559; Nov. 4.
Gloves, Men's. O. C. Hansen Manufacturing Co. 199,697-8; Nov. 4.
Hats and caps, Men's. Cohn-Lazerus Company. 199,745; Nov. 4.
Hats, Men's. Sherman Hat Co. 200,526; Nov. 4.
Hats, Men's felt. Cohn-Lazerus Company. 199,744; Nov. 4.
Heel pads, soles, heels, etc. United Stay Company. 181,094; Nov. 4.
Overalls. Larned, Carter & Company. 202,346; Nov. 4.
Shoes. Unity Shoe Mfg. Corporation. 178,151; Nov. 4.
Shoes and leggings. Pneuma Schuhfabrik A.-G. 193,541; Nov. 4.
Suspenders, garters, belts, etc. Faire Bros. & Co. 198,702; Nov. 4.
Sweaters, bathing suits, hosiery, etc. S. S. Hess. 172,223; Nov. 4.

CLASS 40.

Art goods stamped with designs. H. L. Schnurman. 201,466; Nov. 4.
Hairpins. J. de Paye. 183,099; Nov. 4.

CLASS 42.

Bedspreads and drapery cloth. Geo. Royle & Co. 182,066-7; Nov. 4.
Cotton piece goods. A. E. Smith. 183,418; Nov. 4.
Cotton piece goods. York Manufacturing Co. 202,229; Nov. 4.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 3, as amended Mar. 2, 1907.]

Draperies, Cotton. E. V. Benjamin Co. 202,237; Nov. 4.
Hair nets. S. Glemby's Sons Co. 202,392; Nov. 4.
Hair nets. Nanyang Brothers, Inc. 202,415; Nov. 4.
Hair nets. West Electric Hair Curler Co. 169,994; Nov. 4.
Handkerchiefs. H. Engel, Sons & McClelland. 192,680; Nov. 4.
Rugs, Textile. Beattie Manufacturing Company. 201,944; Nov. 4.
Rugs, Textile. Gulbenkian Seamless Rug Company. 201,929; Nov. 4.
Silk, cotton, etc., piece goods. Oriental Silk Printing Company. 202,261; Nov. 4.
Silk piece goods. Naday & Fleischer, Inc. 202,414; Nov. 4.
Silks, ribbons, and mixtures in the piece. Jos. Grimsfelder & Sons, Inc. 173,352; Nov. 4.
Umbrella silk piece goods. Haenichen Bros. Silk Co. 193,397; Nov. 4.
Wool piece goods. Roubaix Mills, Inc. 202,462-3; Nov. 4.
Woolen piece goods. Forstmann-Huffmann Company. 202,057; Nov. 4.
Worsted, woolen, etc., piece goods. Walther Manufacturing Co. 193,869; Nov. 4.

CLASS 44.

Dental alloy. Crescent Dental Mfg. Co. 201,223; Nov. 4.
Irrigators, bedpans, urinals, etc. Fengel Corporation. 191,065; Nov. 4.
Lamps and radiators, Electric. J. Sklar Manufacturing Co. 201,310; Nov. 4.
Manicure sets. Northam Warren Corporation. 201,673; Nov. 4.
Rubber, Dental. Atlantic Rubber Manufacturing Corporation. 202,158; Nov. 4.
Sanitary belts, and aprons and jock straps. Nichols Manufacturing Company. 198,025; Nov. 4.
Stethoscope, Multiple electrical. Western Electric Company. 202,602; Nov. 4.
Surgical dressing. Johnson & Johnson. 199,064; Nov. 4.
Varnish for separating dental models. Crescent Dental Mfg. Co. 201,224; Nov. 4.

CLASS 45.

Beverages and compounds and concentrates for producing the same. Orange Crush Co. 201,974-5; Nov. 4.
Beverages sold as soft drinks. H. M. Williams. 199,445; Nov. 4.
Ginger ale and carbonated waters. Del Monte Properties Company. 201,891; Nov. 4.
Syrup for soft drinks. Maltless. Crescent Laboratories. 184,494; Nov. 4.

CLASS 46.

Beverage, Syrup for use in the preparation of milk. I. E. Emerson. 192,175; Nov. 4.
Bread. L. Kientz. 202,171; Nov. 4.
Candles. Tiffin Inc. 202,829; Nov. 4.
Candles, fruit and nut bars, and salted nuts. Queen Anne Candy Company. 199,389; Nov. 4.
Candy. Bonita Co. 202,790; Nov. 4.
Candy. Green Bros. Company. 202,205; Nov. 4.
Candy. Hawley & Hoops. 202,108; Nov. 4.
Candy. Hawley & Hoops. 202,111; Nov. 4.
Candy. Hoffman & Hauck, Inc. 202,113; Nov. 4.
Candy. Hollandsche Cacao- en Chocoladefabrieken v/h Benschop & Co. 199,425; Nov. 4.
Candy. Robert A. Johnston Company. 200,765; Nov. 4.
Candy. Peter Sisco Company. 201,985; Nov. 4.
Candy. E. G. Whitman. 202,764; Nov. 4.
Candy. Licorice. Bunte Brothers. 185,555; Nov. 4.
Canned cranberries. United Cape Cod Cranberry Company. 202,645; Nov. 4.
Canned fish, fruits, vegetables, and meats, etc. Del Monte Properties Company. 201,892; Nov. 4.

Canned fruit and vegetables. W. B. Culross. 181,479; Nov. 4.
Canned fruits and vegetables, coffee, tea, etc. Weideman Company. 201,868; Nov. 4.
Canned fruits, vegetables, and berries. Schloss & Kahn Grocery Co. 201,211; Nov. 4.
Canned lima beans. Kroger Grocery & Baking Co. 202,508; Nov. 4.
Canned ripe olives. Bell Packing Company. 195,940; Nov. 4.
Canned salmon. Geo. W. Sanborn & Sons. 202,518; Nov. 4.
Canned sardines. Beesmyer Waggoner Inc. 202,044; Nov. 4.
Chicks, hatching eggs, and poultry breeding stock. C. A. Kelser. 200,202; Nov. 4.
Chocolate and chocolate candies. A. H. Marks. 190,797; Nov. 4.
Chocolate, Bar. J. G. Hauswaldt, Inc. 202,499; Nov. 4.
Chocolate, Milk. Lamont-Corliss and Company. 180,936; Nov. 4.
Coffee. M. J. Brandenstein & Co. 202,608; Nov. 4.
Eggs. R. L. Ditzler. 202,288; Nov. 4.
Fish, Frozen. New England Fish Co. 196,878; Nov. 4.
Flavoring extract for foods. Washington "Tasty Drops" Company. 185,166; Nov. 4.
Flour, Wheat. Cadick Milling Company. 194,690; Nov. 4.
Flour, Wheat. N. J. Holmes. 202,295; Nov. 4.
Flour, Wheat. Wallace Milling Company. 202,424; Nov. 4.
Fruits and vegetables, Fresh. Dalles Corporation Growers. 202,796; Nov. 4.
Grapes, Fresh. T. N. and Blanche Sample. 197,622; Nov. 4.
Gum, Chewing. American Chicle Company. 198,830; Nov. 4.
Ice cream and ice-cream cones. J. M. Gries. 198,799; Nov. 4.
Malt extract. Bachrach-Feld Co. 191,810; Nov. 4.
Meal, Wheat. Wheat Meal Company. 202,087; Nov. 4.
Milk, Bacillus acidophilus culture in. Western Laboratories. 202,473; Nov. 4.
Milk protein. Soluble. Laboratory Products Company. 200,627; Nov. 4.
Nuts. Surbrug's Nut Products, Ltd. 183,177; Nov. 4.
Oats, Rolled. Gordon, Sewall & Co. 197,026; Nov. 4.
Oil, Olive. Larios y Crooke. 198,400; Nov. 4.
Oil, Olive. Mediterranean Importing Co. 182,599; Nov. 4.
Olives, canned tunny, pimentos, and chiles. Ripe. Alexander B. Stewart Organizations. 194,884; Nov. 4.
Potatoes. R. H. Burrill. 201,831; Nov. 4.
Raisins, Chocolate-covered. Park & Telford. 202,709; Nov. 4.
Sandwich, Corn-beef. Deane's Coffee Shoppe, Inc. 202,163; Nov. 4.
Syrup, Table. Sun-Maid Raisin Growers of California. 201,111; Nov. 4.
Syrup, vinegar, and honey. Table. Taylor-Garner Co. 202,526; Nov. 4.
Syrups, Invertase used in making. American Burtonizing Company and Wallerstein Laboratories. 183,620; Nov. 4.
Vegetables, deciduous and citrous fruits, melons, grapes, and lettuce, Fresh. California Vegetable Union. 190,330; Nov. 4.

CLASS 48.

Beverages, near beer, and light or soft drinks. Cereal. N. S. Goldberger. 190,252; Nov. 4.
Malt extract. P. Alinauskas. 200,690; Nov. 4.
Malt extract. Haco-Gesellschaft A.-G. Bern. 191,230; Nov. 4.
Malt extract for beverage purposes. T. R. Finucan. 202,621; Nov. 4.

CLASS 50.

Labels and seals, Metal. Stanley Manufacturing Company. 202,902; Nov. 4.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

ARG Auxiliary Spring Company. (See Groff, Angus R., assignor.)
Abbott Laboratories. (See Adams, R., Jenkins, and Vol-wiler, assignors.)
Abrell, Richard T. (See Burns, H. L., and Abrell.)
Acme Electric Heating Company. (See Price, Harry, assignor.)
Adamac, Frank, Laurenton, assignor to R. Felix, doing business as The Ovalite Company, New York, N. Y. Lighting-fixture bracket. Des. 65,890; Nov. 4.
Adams, David, Sharon, Pa., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Chain link. 1,513,729; Nov. 4.
Adams, George R., Hillsboro, Tex. Boring machine. 1,514,072; Nov. 4.
Adams, John L., San Diego, Calif. Repair unit for electric lamps. 1,514,413; Nov. 4.
Adams, Roger, R. L. Jenkins, Urbana, and E. H. Vol-wiler, assignors to Abbott Laboratories, Chicago, Ill. Anesthetic compound. 1,513,730; Nov. 4.
Adams, Walter W., Fort Wayne, Ind. Aligning jig for piston and connecting rod assemblage. 1,513,951; Nov. 4.
Aermotor Company. (See Scholes, Daniel R., assignor.)
Aktiebolaget Ars. (See Dahl, Gustaf, assignor.)
Allan, William G., assignor, by mesne assignments, to J. F. Scott, Toronto, Ontario, Canada. Electrode structure and manufacturing same. 1,513,728; Nov. 4.
Allatt, Thomas, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y. Tea cartridge. 1,514,244; Nov. 4.
Allerton, Robert W., South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Safety backflow valve for condenser systems. 1,513,791; Nov. 4.
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Alters, William R. G., Johnstown, Pa. Electric jack. 1,514,120; Nov. 4.
Ambursen, Nils F., Pittsburgh, Pa., assignor to Uni-Form Company. Mold form for concrete work. 1,514,245; Nov. 4.
American Armor Corporation. (See Spooner, Bernard, assignor.)
American Blower Company. (See Rowe, William A., assignor.)
American Button & Fastener Co. (See Latham, Albert, assignor.)
American Chain Company. (See Fageol, Rollie B., assignor.)
American Engineering Company. (See Kriebel, Percy E., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Narrow Fabric Company. (See Brown, Arnold V., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Optical Company. (See Hill, K. V., and Tillyer, assignors.)
American Optical Company. (See Maynard, Albert E., assignor.)
American Optical Company. (See Poeton, Lawrence, assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Optical Company. (See Wells, Joel C., assignor.)
American Piano Company. (See Stoddard, Charles F., assignor.)
American Protein Corporation. (See Atwood, Francis C., assignor.)
American Protein Corporation. (See Wescott, William B., assignor.)
American Steel and Wire Company of New Jersey, The. (See Febrey, Harold H., assignor.)
American Telephone and Telegraph Company. (See Martin, William H., assignor.)
American Telephone and Telegraph Company. (See Osborne, Harold S., assignor.)
Ames, Butler, Lowell, Mass. Electrical ignition apparatus. 1,513,877; Nov. 4.
Ammen, Francis D. (See Tabor, R. E., and Ammen.)
Anderson, Charles R., Jerseyville, Ill. Push plow. 1,514,361; Nov. 4.

Anderson, Fred W. (See Anderson, John A., assignor.)
Anderson, Harry F., et al. (See Hancock, Raymond F., assignor.)
Anderson, Harry F., Marion, Ind. Glass-rolling pallet. 1,513,781; Nov. 4.
Anderson, John A., assignor of one-half to F. W. Anderson, Balaton, Minn. Adjustable bearing-box construction. 1,514,121; Nov. 4.
Anderson, John H., St. Paul, Minn. Bolster stake. 1,514,308; Nov. 4.
Anschütz, Carl, assignor to G. Korngel, Cassel, Germany. Device for automatically regulating the draft in chimneys, smoke flues, or other similar appliances. 1,514,028; Nov. 4.
Ausonia O & C Co., The. (See Morton, Frederic C., assignor.)
Anthony, Herbert C., Newcastle-upon-Tyne, England. Strainer or filtering device for water and other liquids. 1,513,878; Nov. 4.
Anthony, Rowland B. (See Matheson, Murdock, assignor.)
Apted, Alfred H., Grand Rapids, Mich. Ball tube mill. 1,513,952; Nov. 4.
Arcade Manufacturing Company. (See Morgan, Hazen C., assignor.)
Archer, Plato, Jeannette, Pa. Annealing box for lenses or the like. 1,514,122; Nov. 4.
Arelt, Charles, assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Dispensing cabinet. 1,513,792; Nov. 4.
Argabright, Lanzy C., Blacksburg, Va. Mail-bag catcher. 1,514,414; Nov. 4.
Armstrong, Percy A. E., Loudonville, and R. P. De Vries, Newtonville, assignors to Ludlum Steel Company, Watervliet, N. Y. Tough stable-surface alloy steel. 1,513,793; Nov. 4.
Arner, Joseph, Washington, D. C. Transmission. 1,513,879; Nov. 4.
Arnot, Owen G., Bakersfield, Calif. Rotary tool. 1,514,415; Nov. 4.
Arrow Electric Company, The. (See Harrington, William H., assignor.)
Assala, Anthony, Des Moines, Iowa. Propeller. 1,514,246; Nov. 4.
Astesano, Joseph, Roanoke, Ill. Vegetable cutter. 1,513,880; Nov. 4.
Atkins, E. C., & Company. (See Conklin, Harry B., assignor.)
Atlas & Bluhm, Inc. (See Lader, Jacob, assignor.)
Atwood, Francis C., Newton, assignor, by mesne assignments, to American Protein Corporation, Boston, Mass. Cannula. 1,513,953; Nov. 4.
Atwood, William J. (See Schatz, William A., assignor.)
Austin, F. C., Machinery Company. (See Seidler, Alexander, assignor.)
Automatic Electric Company. (See Benson, William A., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Automatic Electric Company. (See Willis, Bernard D., assignor.)
Automatic Valves Co., The. (See Burnett, Everett R., assignor.)
Avey Drilling Machine Co. (See Mirrieles, James F., assignor.)
Ayliffe, Harry, London, assignor to The Caribonum Company, Limited, Leyton, England. Lidded receptacle. 1,514,029; Nov. 4.
Ayres, Elwood B., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying hollow articles. 1,513,881; Nov. 4.
Bacevitz, Vytold A., Syracuse, N. Y. Amplifier. 1,514,123; Nov. 4.
Badische Anilin- & Soda-Fabrik. (See Nawlasky, Paul, assignor.)
Bain, Forée. (See Searles, A. M., and Bain.)
Bain, Harriet P., et al. (See Mitchell, Ardon M., assignor.)
Baker, Joseph, Sons & Perkins Company. (See Baker, R. E. Cummins, and Ford, assignors.)
Baker, Robert E., Bronxville, A. F. Cummins, White Plains, N. Y., and E. H. Ford, Los Angeles, Calif., assignors, by mesne assignments, to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y. Discharge device. 1,514,362; Nov. 4.

Baker, Stephen D., New York, N. Y. Combination bathroom fixture. Des. 65,801; Nov. 4.
 Baker, William A., Southampton, England. Safety fastener for jewelry. 1,514,030; Nov. 4.
 Baker, Stephen D., New York, N. Y. Combination bathroom fixture. Des. 65,802; Nov. 4.
 Baldwin Locomotive Works, The. (See Wille, H. V., and Rehfuess, assignors.)
 Ball, Lyman J., North Syracuse, assignor of one-half to D. H. Oakes, Syracuse, N. Y. Vaporizer. 1,513,732; Nov. 4.
 Ballantine, Stuart, assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Inductive coupling device. 1,514,416; Nov. 4.
 Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating and sheeting plastic material. 1,513,733; Nov. 4.
 Barnard, Geo. D., Stationery Company. (See Lewis, Archibald R., assignor.)
 Barnard, Harry, Chicago, Ill., and S. F. Beasley, Kansas City, Kans., assignors to Universal Draft Gear Attachment Company, Chicago, Ill. Hand brake for railway cars. 1,513,954; Nov. 4.
 Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,514,190; Nov. 4.
 Barnhart, Andrew J., and C. N. Trimmell, Placentia, Calif. Bleeding device and tubing jar. 1,513,955; Nov. 4.
 Barnwell, Harry T., assignor to The Newell Mfg. Co., Inc., Ogdensburg, N. Y. Curtain-rod bracket. Des. 65,803; Nov. 4.
 Baroody, Ants A., Petersburg, Va. Fan-operating means. 1,514,417; Nov. 4, 1924.
 Barrés, Marcel, Santiago, Chile. Horseshoe-making machine. 1,514,073; Nov. 4.
 Bartels, John H., Chicago, Ill. Counting and embossing machine. 1,514,191; Nov. 4.
 Barth, Emil, Stuttgart-Ostheim, Germany. Electric smoothing iron. 1,514,074; Nov. 4.
 Bartsch, Herbert E., Chicago, Ill., assignor to Universal Draft Gear Attachment Company. Draft arm. 1,513,956; Nov. 4.
 Bassett, George A., et al., executors. (See Perrin, William H.)
 Batavia Service Corporation. (See Thomas, Winthrop G., assignor.)
 Bateman, William H., London, England. Separator employed for the separation of liquids of different density. 1,513,882; Nov. 4.
 Battonfeld, John N., Kansas City, Mo. Combined folding table and seat. 1,514,418; Nov. 4.
 Bauer, Perry S., Chicago, Ill. Vehicle body. 1,514,124; Nov. 4.
 Baumgardner, Frank J., assignor of one-half to F. L. Phillips, Cleveland, Ohio. Coating composition. 1,513,794; Nov. 4.
 Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)
 Bausch & Lomb Optical Company. (See Montgomery, Robert J., assignor.)
 Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Machine for forming lens-grinding tools. 1,513,883; Nov. 4.
 Bausman, George H., Baltimore, Md. Piston-rod packing. 1,514,192; Nov. 4.
 Beacon Accessories Corporation. (See Lyle, F. W., and Tuttle, assignors.)
 Beall, Charles R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,514,247; Nov. 4.
 Beall, Charles R., Swissvale, and R. M. Gilson, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,513,957; Nov. 4.
 Beardsley, Paul R., et al., trustees. (See Warren, John R., assignor.)
 Bensley, Stanley F. (See Barnard, H., and Beasley.)
 Beatty, Raymond R., Bronxville, N. Y., assignor to Frederick F. Ingram Company, Detroit, Mich. Magnifying mirror. 1,513,734; Nov. 4.
 Becker, Donald B., Watervliet, assignor to Geo. P. Ide & Company, Inc., Troy, N. Y. Soft turndown collar. 1,514,031; Nov. 4.
 Belden, Russell D., assignor to Madison Tire & Rubber Company, Inc., Buffalo, N. Y. Tire casing. Des. 65,804; Nov. 4.
 Bell, Elmer, assignor to Bryce Brothers Company, Mount Pleasant, Pa. Pitcher. Des. 65,805; Nov. 4.
 Belling, Rudolf, Berlin, Germany. Lay figure for displaying garments. 1,513,884; Nov. 4.
 Benson, William A., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,514,193; Nov. 4.
 Berdon, Albert E., Detroit, Mich., assignor, by mesne assignments, to J. K. Lanning, Fall River, Mass. Circular-knitting machine. 1,514,499; Nov. 4.
 Berdon, Albert E., Detroit, Mich., assignor, by mesne assignments, to J. K. Lanning, Fall River, Mass. Circular-knitting machine. 1,514,500; Nov. 4.
 Berggren, Per J., Chicago, Ill. Binocular. 1,514,419; Nov. 4.
 Bergman, Ernest, Carmel, N. Y. Snow-clearing machine. 1,514,248; Nov. 4.
 Bergmann, Fedor, Bedford, England. Electrical relay. 1,513,958; Nov. 4.
 Bernstein, Rudolf, Halle-on-the-Saale, Germany. Automobile agricultural machine. 1,514,075; Nov. 4.
 Bethlehem Steel Company. (See Morgan, R. C., and Pelly, assignors.)
 Betulander, Gottfrid A., Södertörns Villastad, and N. G. Palmgren, Stockholm, Sweden, assignors to The Relay Automatic Telephone Company Limited, London, England. Semiautomatic telephone system. 1,514,363; Nov. 4.
 Bigge, Henry C., Bethlehem, Pa. Manufacturing low-carbon steels. 1,513,735; Nov. 4.
 Bigwood, Albert V., Scotia, and L. Kozolek, Schenectady, N. Y. Rotary toothbrush. 1,514,420; Nov. 4.
 Bilancia, Michael. (See Seasholtz, J., and Bilancia.)
 Blinks, Harry D. (See Sausen, B. R., and Blinks, assignors.)
 Blinks Spray Equipment Co. (See Sausen, B. R., and Blinks, assignors.)
 Birkin and Company. (See Birkin, C. W., and Sands, assignors.)
 Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Nottingham, England. Lace. Des. 65,806; Nov. 4.
 Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Nottingham, England. Lace. Des. 65,807; Nov. 4.
 Birmingham Iron Foundry. (See Banbury, Fernley H., assignor.)
 Bissel, Lloyd M., and W. I. Williamsport, Pa. Dirigible headlight for automobiles. 1,513,736; Nov. 4.
 Bissel, William I. (See Bissel, Lloyd M., and W. I.)
 Bissell, Claude W., Toronto, assignor to J. H. Franklin, Watford, Ontario, Canada. Cap for milk bottles. 1,513,959; Nov. 4.
 Blackburn, Guy W., Elgin, Ill. Speedometer. 1,514,125; Nov. 4.
 Blackburn, Jasper, St. Louis, Mo. Socket. 1,514,194; Nov. 4.
 Blakely, William W., Detroit, Mich. Holddown device for vehicles. 1,513,960; Nov. 4.
 Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,514,364; Nov. 4.
 Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,514,365; Nov. 4.
 Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,514,366; Nov. 4.
 Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,514,367; Nov. 4.
 Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,514,368; Nov. 4.
 Bloch, Godfrey S., New York, N. Y. Textile fabric and fabricating the same. 1,513,885; Nov. 4.
 Blood, George E., assignor to Foote Company, Nunda, N. Y. Loading skip for concrete pavers. 1,514,032; Nov. 4.
 Blood, Harold L., North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Control system for lathes. 1,514,421; Nov. 4.
 Boe, Harry F. (See Hazard, G. E., and Boe.)
 Bohman, Reinhold, Bay City, Mich. Beet-topping machine. 1,513,737; Nov. 4.
 Bomborn, Bernhard, Berlin, Germany. Electric hoisting device. 1,513,738; Nov. 4.
 Borden, Bradford, Toronto, Ontario, Canada. Pipe-threading machine. 1,513,739; Nov. 4.
 Boser, Frederick J. (See Boser, William H., and F. J.)
 Boser, William H., and F. J., Minneapolis, Minn. Material for making printers' rollers and producing the same. 1,514,249; Nov. 4.
 Bosworth, Wilbur M. (See Creman, W. F., and Bosworth.)
 Bourland, Quail, assignor to The National Grave Vault Company, Gallon, Ohio, Jack. 1,513,886; Nov. 4.
 Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Eyeglass guard. 1,513,795; Nov. 4.
 Boutelle, William H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,513,796; Nov. 4.
 Bowman, Oliver S., Colorado Springs, Colo. Window. 1,513,897; Nov. 4.
 Boyce, James, et al. (See Hancock, Raymond F., assignor.)
 Boynton, Frank M., Solon, Me. Wheel. 1,514,422; Nov. 4.
 Brabson, Frank, Newark, N. J., assignor to Greene, Tweed & Co. Door lock. 1,513,797; Nov. 4.
 Bradley, Sallie M., et al. (See Richter, John P., assignor.)
 Bradley, T. M., Jr., et al. (See Richter, John P., assignor.)
 Brandes, C., Inc. (See Respass, William R., assignor.)
 Brandon, Arthur H., assignor, by mesne assignments, to The Deep Well Engineering Company, Toledo, Ohio. Casing and pipe machine. 1,514,195; Nov. 4.
 Bratz, Henry R., Eau Claire, Wis. Jewelry setter. 1,514,126; Nov. 4.
 Bray, Thomas G., Northwillesboro, N. C. Milling machine. 1,514,423; Nov. 4.
 Brehm, Joseph, Delaware, Ohio. Gauge for tenoning machines. 1,514,424; Nov. 4.

Bremer, Harry A., Chicago, Ill. Electric condenser. 1,514,369; Nov. 4.
 Brendlinger, Philip T. (See Courson, J. F., and Brendlinger.)
 Brewster, William D., Syracuse, assignor to National Brake Company, Inc., Buffalo, N. Y. Car-brake-operating mechanism. 1,513,888; Nov. 4.
 Briggs & Stratton Company. (See Soreng, Edgar M., assignor.)
 Briney, Otis R., Pontiac, Mich. Plug gauge. 1,514,250; Nov. 4.
 Brock, Henry W., Denver, Colo. Railway signaling system. 1,514,127; Nov. 4.
 Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for forming or shaping the uppers of boots and shoes. 1,513,961; Nov. 4.
 Brock, Richard E., Wooster, Ohio, assignor, by mesne assignments, to Mackintosh-Hemphill Company, Pittsburgh, Pa. Tube-reducing mill. 1,514,425; Nov. 4.
 Brown, Arnold V., Worcester, Mass., assignor to American Narrow Fabric Company. Tip for webbing. 1,514,426; Nov. 4.
 Brown Instrument Company, The. (See Brown, Richard P., assignor.)
 Brown, Lloyd, assignor, by mesne assignments, to C. B. Hurtt, W. F. Peterson, G. B. Stephens, C. B. Stephens, Los Angeles, Calif., and G. A. Stephens, Moline, Ill., trustees. Motion-picture mechanism. 1,514,501; Nov. 4.
 Brown, Paul J., North Olmsted, Ohio. Window construction. 1,513,798; Nov. 4.
 Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Fountain pen for recording instruments. 1,513,889; Nov. 4.
 Brown, Samuel A., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa. Snow pusher. 1,514,076; Nov. 4.
 Brown, Walter H., Pasadena, Calif. Combined automatic air-pressure equalizer, low-pressure alarm, and automatic cut-off for plural pneumatic tires. 1,513,740; Nov. 4.
 Brump, Herbert L., Dayton, Ohio, assignor to The Dayton Fan & Motor Company. Short-circuiting device. 1,513,799; Nov. 4.
 Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Display and vending apparatus. 1,514,502; Nov. 4.
 Brunhoff Manufacturing Company, The. (See Brunhoff, Edward, assignor.)
 Bryan, Harry, A. L. Mohring, and W. H. Ross, Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States of America. Electric furnace of the resistor type. 1,513,890; Nov. 4.
 Bryce Brothers Company. (See Bell, Elmer, assignor.)
 Brydie, Fenton R., Jamaica, N. Y. Interlocking shingle. 1,513,800; Nov. 4.
 Bubb, Charles L., Williamsport, Pa. Lubricator. 1,513,891; Nov. 4.
 Buck, Wilmer G., Fremont, assignor to Continental Engineering Corporation, Omaha, Nebr. Valve rotator. 1,513,741; Nov. 4.
 Bugg, Nannie S., Roanoke Rapids, N. C. Pan lifter. 1,514,309; Nov. 4.
 Bull, Fredrik R., Christiania, Norway. Automatic registering machine for statistical and similar purposes. 1,514,503; Nov. 4.
 Bullinger, Frederic H., Yonkers, N. Y., assignor to Ward Leonard Electric Company. Dynamo regulator. 1,513,892; Nov. 4.
 Bullock, Charles A. H., London, England. Printing press. 1,514,427; Nov. 4.
 Bullwinkel, Edward J. (See Shaw, Louis E., assignor.)
 Bumiller, Henry O., New York, N. Y. Badge. Des. 65,808; Nov. 4.
 Burian, Eugen, Hlohovec, Czechoslovakia, assignor to Naamloze Vennootschap Koninklijke Stearine Kaarsenfabriek "Gouda," Gouda, Netherlands. Manufacture of candles, tapers, and the like and to an apparatus for carrying out such process. 1,514,196; Nov. 4.
 Burke, George W., Jr., Dayton, Ohio. Crashproof fire wall. 1,514,428; Nov. 4.
 Burmeister, William, Pender, Nebr. Animal catcher. 1,514,429; Nov. 4.
 Burns, Earl L., and R. T. Abrell, Dayton, Ohio. Electric soldering machine. 1,514,430; Nov. 4.
 Burrell, William C., Kankakee, Ill., assignor to The General Fireproofing Company, Youngstown, Ohio. Brace. 1,514,577; Nov. 4.
 Burrows, Eastman A., Chicago, Ill. Refrigerating display apparatus. 1,514,128; Nov. 4.
 Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,514,197; Nov. 4.
 Busch, Kasimir, Chicago, Ill. Combination emergency wheel and nonskid device. 1,514,431; Nov. 4.
 Busmann, Henry T., St. Louis, Mo. Electric fuse. 1,514,198; Nov. 4.
 Busmann, Henry T., St. Louis, Mo. Cartridge fuse. 1,514,199; Nov. 4.
 Butterfield, Fred, & Co. (See Vandergaw, E. B., and Heinrich, assignors.)
 C. G. Spring & Bumper Company, The. (See Gird, Christian, assignor.)
 C. G. Spring & Bumper Company, The. (See Homan, A. E., Homan, and Douth, assignors.)
 C. G. Spring & Bumper Company, The. (See Jandus, Herbert S., assignor.)
 Calderwood, W., Forest Gate, A. E. Webb, Great Missenden, and C. A. Reihl, London, England. Method and apparatus for the preparation of oils for varnishes, printing inks, paints, linoleums, and the like. 1,514,432; Nov. 4.
 Callahan, Richard, and S. L. Rouleau, assignors to Simplicity Oil & Grease Pump Company, Los Angeles, Calif. Pneumatically-operated grease measuring and dispensing device. 1,513,962; Nov. 4.
 Cameron, Alexander E., assignor to Narragansett Electric Lighting Company, Providence, R. I. Distribution valve. 1,514,310; Nov. 4.
 Camp, Ervin M., Chicago, Ill., assignor, by mesne assignments, of one-half to United Cement Products Company, Indianapolis, Ind. Forming concrete products by vibratory means. 1,513,801; Nov. 4.
 Campbell, Donald J., et al., trustees. (See Warren, John R., assignor.)
 Cannon, Lester H. (See Keller, C. W., and Cannon.)
 Cannon, William A., Carmel, Calif. Valve tester. 1,514,033; Nov. 4.
 Caribonum Company, The. (See Aylliffe, Harry, assignor.)
 Carlson, Gustav W., Cleveland, Ohio. Brake construction. 1,514,077; Nov. 4.
 Carr Fastener Company. (See Carr, Fred S., assignor.)
 Carr Fastener Company. (See Carr, Moses F., assignor.)
 Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,513,963; Nov. 4.
 Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,513,964; Nov. 4.
 Carr, Moses F., Lexington, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,514,578; Nov. 4.
 Carr, Paul H., Baltimore, Md. Collapsible paper cup and blank therefor. 1,514,034; Nov. 4.
 Carr, Thomas E., Providence, R. I. Train stop. 1,513,965; Nov. 4.
 Carter, Thomas, Wests Mill, N. C. Friction check for automobile steering gear. 1,514,433; Nov. 4.
 Cascadian, Goldy S., Pontiac, Mich. Mud lug for automobile wheels. 1,514,311; Nov. 4.
 Chapman, Charles E., assignor of one-half to J. Goodfellow, Fort Edward, N. Y. Heater. 1,514,434; Nov. 4.
 Chapman, Charles E. (See Kramer, A. A., and Chapman.)
 Charlton, Albert J., Lowden, Iowa. Disk wheel. 1,513,742; Nov. 4.
 Chatham, Louis C., San Diego, Calif. Swimming appliance. 1,514,435; Nov. 4.
 Chemical Construction Company. (See Hechenbleikner, L., and Gilchrist, assignors.)
 Cheney Talking Machine Company. (See Roedding, G. E., and Doerr, assignors.)
 Chicago Die & Specialty Company. (See Kobzy, Steven, assignor.)
 Chicago Pneumatic Tool Company. (See Dockham, Clarence H., assignor.)
 Chile Exploration Company. (See Fink, Colin G., assignor.)
 Chrisman, Albert M., and J. E. Wells, Pacifico, Calif. Automatic oil and gas separating pump. 1,514,200; Nov. 4.
 Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,513,966; Nov. 4.
 Citizens of the United States of America, The. (See Bryan, H. Mohring, and Ross, assignors.)
 Citizens of the United States. (See Cox, John H.)
 Clark, Frank E., New York, N. Y. Production of hollow ingots. 1,514,129; Nov. 4.
 Clausen, Carl, Bisbee, Ariz. Tire rim. 1,514,436; Nov. 4.
 Clausen, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Mechanism for forming hinges of lasts for shoes. 1,513,743; Nov. 4.
 Clausen, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,514,370; Nov. 4.
 Clements, Everett G., Washington, D. C. Receptacle closure cap. 1,514,130; Nov. 4.
 Clements, Lincoln H., Clements, Minn. Unloading and excavating machine. 1,513,744; Nov. 4.
 Clilverd, Henry, et al. (See Gilbert, Leo A., assignor.)
 Clough, Joseph E., Wilmington, Del. Extension envelope. 1,514,371; Nov. 4.
 Cobb, Benjamin P., Bozeman, Mont. Stock guard for railways. 1,514,437; Nov. 4.
 Coburn, Ernest, Spokane, Wash., assignor to The Holt Manufacturing Company, Stockton, Calif. Grain carrier. 1,514,131; Nov. 4.
 Cochran, Clarence C., Ohley, W. Va. Auto brake. 1,514,438; Nov. 4.
 Cohen, Harry, Washington, D. C. Steam engine. 1,514,504; Nov. 4.
 Cohen, John N., Philadelphia, Pa. Finger ring. Des. 65,809; Nov. 4.
 Colbert, Charles C., and G. E. Preston, Elkhart, Ind. Method and apparatus for manufacturing coated paperboard. 1,514,439; Nov. 4.
 Coleman, Joseph C., Kokomo, Ind. Fishing reel. 1,513,893; Nov. 4.

Colson, Sam. Elberton, Ga. Boll-weevil destroyer. 1,514,372; Nov. 4.
 Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
 Conklin, Harry B., assignor to E. C. Atkins & Company, Indianapolis, Ind. Feeder roll. 1,514,505; Nov. 4.
 Consolidated Expanded Metal Companies. (See Redding, Edward T., assignor.)
 Constable, Maxfield E. (See Smith, J. and Constable.)
 Continental Can Company. (See Kronquest, Alfred L., assignor.)
 Continental Engineering Corporation. (See Buck, Wilmer G., assignor.)
 Conway, Thomas H., sr., Detroit, Mich. Damper. 1,514,201; Nov. 4.
 Cook, Cass G., assignor of one-half to A. N. McNeely, Detroit, Mich. Piston. 1,514,506; Nov. 4.
 Cook, Harvey S., Valparaiso, Ind. Hypodermic syringe. Des. 65,900; Nov. 4.
 Corrie, George B., Crewe, Va. Card rack. 1,514,579; Nov. 4.
 Cortelyou, William C., Oblong, Ill. Mixer for gaseous fuel. 1,514,132; Nov. 4.
 Courson, John F., and P. T. Brendlinger, Pittsfield, Pa. Adjustable lamp. 1,514,133; Nov. 4.
 Cousineau, Frances M. (See Don, Clara A., assignor.)
 Coutant, George E., Decatur, Ill. Upper buffer arrangement for railway cars. 1,514,373; Nov. 4.
 Coviello, Anthony, Denver, Colo. Automobile traffic signal. 1,514,134; Nov. 4.
 Cox, John H., Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States. Commercial and laboratory grain sieve. 1,514,374; Nov. 4.
 Cozad, Samuel M., Los Angeles, Calif. Liquid-dispensing device. 1,513,967; Nov. 4.
 Cram, Walter W., Sheldon, Iowa. Garter clasp. 1,514,440; Nov. 4.
 Crandall, Edgar H., Los Angeles, Calif. Game. 1,513,968; Nov. 4.
 Crane, Frederick D., Montclair, N. J. Artificial resinous body. 1,513,802; Nov. 4.
 Cravens, Thomas E., Texas City, Tex. Oil burner. 1,514,135; Nov. 4.
 Creamean, William F., and W. M. Bosworth, Toledo, Ohio. Car-door-locking device. 1,514,312; Nov. 4.
 Crescent Brass Products Company, The. (See Monroe, Robert J., assignor.)
 Crimmel, Alvie C., Hartford, Ind. Rack or holder for condiment jars. 1,514,375; Nov. 4.
 Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
 Cron, Peter L., Elizabeth, N. J. Atmospheric motor control, back-fire trap, and motor lock. 1,514,136; Nov. 4.
 Crosby, Fred B., assignor to Morgan Construction Company, Worcester, Mass. Conveying mechanism. 1,514,137; Nov. 4.
 Crossman, Martin R., Boston, Mass. Fountain pen. 1,513,804; Nov. 4.
 Culp, Arthur J., Clanton, Ala. Exhaust trap. 1,514,441; Nov. 4.
 Cumfer, Harry, Chicago, Ill., and O. D. McFarland, Mishawaka, Ind., assignors of one-fourth to C. F. Hoffmann and G. P. Heppes, Chicago, Ill. Roofing machine. 1,513,969; Nov. 4.
 Cummins, Arthur F. (See Baker, R. E., Cummins, and Ford.)
 Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Device for use in bed-springs. 1,514,035; Nov. 4.
 Czerniak, Joseph, Kenosha, Wis. Railway-switch-operating device. 1,514,376; Nov. 4.
 Dahl, Gustaf, assignor to Aktiebolaget Ara, Stockholm, Sweden. Projecting apparatus for the projection of panorama views upon stages. 1,514,138; Nov. 4.
 Damm, Carl P., et al., trustees. (See Warren, John R., assignor.)
 Darrab, William A., Chicago, Ill. Loud-speaker horn. Des. 65,901; Nov. 4.
 Darrow, Chester W., Chicago, Ill. Power-transmission mechanism. 1,514,442; Nov. 4.
 Davenport, Joseph P., Wheaton, Ill. Foldable back and head rest. 1,514,202; Nov. 4.
 Davenport, Maggie, Ionia, Mich. Rack. 1,514,313; Nov. 4.
 Davis, Anna. (See Tannenbaum, Joseph, assignor.)
 Davis, Edward B., Cambridge, Ohio. Shock absorber. 1,513,970; Nov. 4.
 Davis, Edward B., Cambridge, Ohio. Rebound shock absorber. 1,513,971; Nov. 4.
 Davis, Philip W., Cambridge, Mass. Refining tin. 1,514,443; Nov. 4.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Coat. Des. 65,902; Nov. 4.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. One-piece dress. Des. 65,903; Nov. 4.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Child's dress. Des. 65,904; Nov. 4.
 Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Tunic. Des. 65,905; Nov. 4.
 Day, David T., Washington, D. C. Preparing mineral wax. 1,513,745; Nov. 4.

Day, David T., Washington, D. C. Fuel and preparing the same. 1,513,746; Nov. 4.
 Dayton Fan & Motor Company, The. (See Brump, Herbert L., assignor.)
 Debaecker, Georges H. L., Sas-de-Gand, Holland, assignor to Societe dite Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Crey, Paris, France. Suction device for lifting and transporting articles. 1,514,036; Nov. 4.
 Deep Well Engineering Company, The. (See Brandon, Arthur H., assignor.)
 De Jarnette, Horatio E. (See Hall, C. W., and De Jarnette.)
 Delage, Gustave, Paris, assignor to Societe Anonyme, Neuport-Astra, Issy-les-Moulineux, France. Flying machine more particularly applicable to fighting machines. 1,514,139; Nov. 4.
 De Laval Separator Company. (See Hapgood, Cyrus H., assignor.)
 De Laval, Dimitri S., New York, N. Y. Rotary casting. 1,513,747; Nov. 4.
 De Laval, Dimitri S., Paris, France. Variable-speed transmission. 1,513,748; Nov. 4.
 Deluca, Antonio, Cordoba, Argentina. Support of combinations or apparatus destined for physical exercises. 1,514,037; Nov. 4.
 Deming Company, The. (See Garber, Jesse B., assignor.)
 Desloge, Joseph, assignor to Killark Manufacturing Company, St. Louis, Mo. Method of making laminations for transformer cores. 1,513,972; Nov. 4.
 Detroit Pressed Steel Company. (See Putnam, Alden L., assignor.)
 De Vivo, Robert, Saratoga Springs, N. Y. Time-controlled keyhole guard. 1,513,805; Nov. 4.
 De Vries, Ralph P. (See Armstrong, P. A. E., and De Vries.)
 Dexheimer, Valentine, Montrose, N. Y. Ice mitten. 1,514,203; Nov. 4.
 Diamond State Fibre Company. (See Taylor, John M., assignor.)
 Dickinson, Joseph H. (See Miller, T. S., and Dickinson.)
 Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,514,204; Nov. 4.
 Dockham, Clarence H., assignor to Chicago Pneumatic Tool Company, Detroit, Mich. Tool retainer. 1,513,803; Nov. 4.
 Dodd, Earl R., Portland, Oreg. Weeder attachment for seeders. 1,513,749; Nov. 4.
 Dodge, Arthur H., assignor to The J. G. Wilson Corporation, New York, N. Y. Door construction. 1,514,140; Nov. 4.
 Doerr, Fred H. (See Roedding, G. E., and Doerr.)
 Dolan, Bernard, assignor to Wyman, Partridge & Company, Minneapolis, Minn. Bloomers. 1,513,750; Nov. 4.
 Don, Clara A., London, England, assignor to F. M. Cousineau, Toronto, Ontario, Canada, and London, England. Brush. 1,513,806; Nov. 4.
 Doolittle, Franklin M., New Haven, Conn. Radiotelephony. 1,513,973; Nov. 4.
 Dorn, George, Newport News, Va. Drawer and wardrobe lock. 1,514,141; Nov. 4.
 Douglas, Elizabeth J., Crete, Nebr. Voting booth. 1,514,038; Nov. 4.
 Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,514,314; Nov. 4.
 Douth, Owen. (See Homan, A. E., Homan, and Douth.)
 Dow Chemical Company, The. (See Dow, H. H., and Hale, assignors.)
 Dow Chemical Company, The. (See Jones, Coulter W., assignor.)
 Dow Chemical Company, The. (See Seaton, Max Y., assignor.)
 Dow, Herbert H., and W. J. Hale, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal compounds. 1,514,377; Nov. 4.
 Drake, Walter H. (See Price, J. D., and Drake.)
 Dreger, Julius, Marysville, Calif. Ridge-forming machine. 1,514,039; Nov. 4.
 Drechlinger, Arthur, Vienna, Austria. Device for preventing the unauthorized removal of covers. 1,514,507; Nov. 4.
 Driscoll, Daniel M., Greenfield, Mass. Nonskid device. 1,513,751; Nov. 4.
 Dubiner, Herman, assignor to Grabhorn & Dubiner, New York, N. Y. Finger ring. Des. 65,906; Nov. 4.
 Du Brul, Clarence J., Cincinnati, Ohio. Cigar mold. 1,514,142; Nov. 4.
 Duchanols, Charles F., Youngstown, Ohio. Terminal connection for charging storage batteries. 1,514,444; Nov. 4.
 Duna, Fred B., Minster, Ohio. Snapping roll. 1,513,807; Nov. 4.
 Dunn, William G., Clarinda, Iowa. Intake-manifold heater. 1,514,445; Nov. 4.
 Duplex Yarn Company. (See Forrest, Tom, assignor.)
 Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
 Dvorak, Wenzel J., Sunset Heights, Tex. Concrete construction. 1,514,143; Nov. 4.
 Dyke, Cecil Y., Ontario, Calif. Windshield wiper. 1,514,446; Nov. 4.

Eaglesfield, Robert D., Indianapolis, Ind. Power-applying means. 1,514,448; Nov. 4.
 Eastern Tool & Manufacturing Company. (See Montan, Adolph, assignor.)
 Eastman Kodak Company. (See Haste, James H., assignor.)
 Eastman Kodak Company. (See Webb, William R., assignor.)
 Economy Fountain Company. (See Norwood, Hubert M., assignor.)
 Edwards, Bernard H., Spring Hope, N. C. Bed extension. 1,514,447; Nov. 4.
 Edwards, Charles R., Houston, Tex. Testing device for oil wells. 1,514,585; Nov. 4.
 Edwards, Robert C., Elizabeth, N. J., assignor to Radio Corporation of America. Cabinet for radioreceivers. Des. 65,907; Nov. 4.
 Egger, Andrew, Ridgway, Pa. Calendar attachment for pencils. 1,514,449; Nov. 4.
 Ehn, Erik W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Quenching apparatus. 1,513,974; Nov. 4.
 Elch, Frank A., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for shaping heels. 1,513,804; Nov. 4.
 Elelberger, Lewis H., Baltimore, Md. Apparatus for mixing materials. 1,513,975; Nov. 4.
 Elderkin, Lester L. D., Toledo, Ohio. Sole-assorting machine. 1,513,976; Nov. 4.
 Ellis, Carleton, Montclair, N. J. Amorphous product and making same. 1,514,508; Nov. 4.
 Ellis, Carleton, Montclair, N. J. Synthetic ivorylike product and making same. 1,514,509; Nov. 4.
 Emerson-Brantingham Company. (See Traphagen, Harry R., assignor.)
 Emerson, Victor L., Philadelphia, Pa. Apparatus for the conversion of hydrocarbon oil. 1,514,040; Nov. 4.
 Engineers Development Company. (See Kinsley, Carl, assignor.)
 Ervin, Edwin H., Chicago, Ill. Machine for printing and embossing endless paper. 1,514,450; Nov. 4.
 Evans, John E., New York, and F. H. Griffiths, Yonkers, assignors to The Reliable Automatic Sprinkler Company, Inc., New York, N. Y. Dry-pipe valve. 1,513,977; Nov. 4.
 Fagot, Rollie B., Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Bumper-bar clamp. 1,514,144; Nov. 4.
 Fancher, Robert H. (See Flynn, W. S., and Fancher.)
 Farland, Adelard, Providence, R. I. Knitting machine. 1,514,251; Nov. 4.
 Feaster, Allen F., Boulder, Colo. Comb. 1,514,451; Nov. 4.
 Febrey, Harold H., Newark, N. J., assignor to The American Steel and Wire Company of New Jersey. Rail bond and making same. 1,513,805; Nov. 4.
 Felix, Rudolph. (See Adamac, Frank, assignor.)
 Fellmann, Philip F., Lancaster, Pa. Asphalt heater. 1,514,252; Nov. 4.
 Fentiman, George D., Stillwater, Okla. Three-row crust buster. 1,514,510; Nov. 4.
 Ferguson, Von Glover, Shreveport, La. Locomotive draft appliance. 1,514,145; Nov. 4.
 Ferrodesherbeuse Scheuchzer Societe Anonyme. (See Schencher, Auguste, assignor.)
 Fiddymont, John C., Akron, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Press for expressing oils and liquids. 1,514,278; Nov. 4.
 Fiddymont, John C., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Press. 1,514,279; Nov. 4.
 Fink, Collin G., Yonkers, assignor to Chlle Exploration Company, New York, N. Y. Alloy. 1,513,806; Nov. 4.
 Fioruzzi, Vittorio, Piacenza, Italy. Automatic silk-reeling process and device therefor. 1,514,078; Nov. 4.
 Fischer, Charles, New York, N. Y. Ring or similar article. Des. 65,908; Nov. 4.
 Fischer, Hermann, New York, N. Y. Sound transmitting and receiving diaphragm. 1,514,511; Nov. 4.
 Fisher, Arthur J., assignor to South Australian Stevedoring Company, Limited, Port Adelaide, Australia. Means for use in stacking cases. 1,514,512; Nov. 4.
 Fisher, Charles F., Westington Springs, S. Dak. Deposit and collection receptacle. 1,514,146; Nov. 4.
 Fisher, Emmett, Quincy, Ill. Egg carrier. 1,514,147; Nov. 4.
 Fisher, Harry J., Philadelphia, Pa., and J. Mirrey, East Boldon, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, Durham, England. Interlocked fastening device particularly applicable to electrical apparatus. 1,514,378; Nov. 4.
 Fisk Rubber Company, The. (See Pratt, Benjamin H., assignor.)
 Fitz-Empire Double Pivot Last Company. (See Lucas, Harry W., assignor.)
 Fitz Gerald, Harold G., Los Angeles, Calif. Lamp attachment. 1,514,205; Nov. 4.
 Fleckner, Frank W., assignor to M. F. Ward, Lockport, N. Y. Looping machine. 1,513,808; Nov. 4.
 Fleischer, Paul W., Weehawken, N. J. Food container. 1,514,379; Nov. 4.
 Flemming, Frank F., Minneapolis, Minn. Window-sash-weight box. 1,514,513; Nov. 4.

Fletcher Works, Incorporated. (See Hulme, Frederic G., assignor.)
 Floeter, Frederick S., assignor to Wickes Brothers, Saginaw, Mich. Extensible headstock center for lathes. 1,513,899; Nov. 4.
 Floeter, Frederick S., assignor to Wickes Brothers, Saginaw, Mich. Pot chuck. 1,514,580; Nov. 4.
 Flood, Samuel D., Kenilworth, Ill. Reinforcing inner tubes for pneumatic tires. 1,513,900; Nov. 4.
 Floyd, James, Brooklyn, N. Y., assignor, by mesne assignments, to Quadrangle Corporation. Device for forming openings and recesses in walls. 1,514,581; Nov. 4.
 Flynn, William S., Ardmore, Pa., and R. H. Fancher, Port Chester, N. Y. Indoor putting green. 1,513,978; Nov. 4.
 Foley, George A., assignor to United States Cartridge Company, Lowell, Mass. Mechanism for indenting radiator tubes. 1,514,589; Nov. 4.
 Foote Company. (See Blood, George E., assignor.)
 Ford, Eardley H. (See Baker, R. E., Cummins, and Ford.)
 Forrest, Tom, North Andover, assignor to Duplex Yarn Company, Boston, Mass. Spinning and doubling machine. 1,514,253; Nov. 4.
 Forsgren, John S. (See Frederickson, F., Tischer, and Forsgren.)
 Forsblad, Nils R., Vasteras, Sweden. Current-supply system for mobile electrical machines. 1,514,148; Nov. 4.
 Fox, William H., Minneapolis, Minn. Playground ball and producing the same. 1,513,753; Nov. 4.
 Fragos, Milton. (See Ruettimann, Joseph B., assignor.)
 Frank, Benjamin, assignor to Specialty Manufacturing and Distributing Company, Inc., Oakland, Calif. Automobile starting-crank safety device. 1,514,041; Nov. 4.
 Franklin Baker Company, The. (See Tenney, Dwight, assignor.)
 Franklin, James H. (See Bissell, Claude W., assignor.)
 Franklin Simon & Co. (See Davis, Taube, assignor.)
 Fraser, Alfred J., El Paso, Tex. Gas water heater. 1,514,514; Nov. 4.
 Frederickson, Fred, D. E. Tischer, Ogden, and J. S. Forsgren, Brigham City, Utah. Gauge for angles. 1,514,452; Nov. 4.
 Freeman, Arthur C., jr., Philadelphia, Pa. Steam-heating device. 1,514,453; Nov. 4.
 Frey, Hannah H., administratrix. (See Frey, Herbert H.)
 Frey, Herbert H., deceased, Chicago, Ill.; H. H. Frey, administratrix. Temperature-indicating means for internal-combustion engines. 1,513,979; Nov. 4.
 Friedrich, William H., Dyer, Ind. Electrical conduit. 1,514,042; Nov. 4.
 Frizzell, Claude, Seattle, Wash. Device for applying brake linings. 1,514,149; Nov. 4.
 Froelich, Russell E., St. Louis, assignor of one-sixth to M. F. Parker, Webster Groves, Mo. Flash lamp for cameras. 1,513,980; Nov. 4.
 Fullerton, Herbert S., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y. Stroke-adjusting mechanism. 1,514,454; Nov. 4.
 Fulton Iron Works Company. (See Hildebrand, Reinhard, assignor.)
 Fulton, William F., Shreveport, La. Electrical switch. 1,513,901; Nov. 4.
 Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressure-regulating mechanism. 1,513,807; Nov. 4.
 Futrell, Jason J., assignor of one-half to E. P. Jones, Nashville, Tenn. Stove rack and shelf lifter. 1,513,902; Nov. 4.
 Garber, Jesse B., assignor to The Deming Company, Salem, Ohio. Oscillating piston pump. 1,514,150; Nov. 4.
 Garrick, Steve, Detroit, Mich. Automobile safety tire. 1,514,315; Nov. 4.
 Gebhart, Alexander G. (See Whalen, E. C., and Gebhart.)
 Geburich, Charles L., Elmhurst, N. Y. Door-operating device. 1,514,079; Nov. 4.
 Geiger, Carl F., and F. C. Geller, Dayton, Ohio. Domestic refrigerator casing. Des. 65,909; Nov. 4.
 Geller, Frederick C. (See Geiger, C. F., and Geller.)
 General Electric Company. (See Knoderer, Homer G., assignor.)
 General Electric Company. (See Roosevelt, Gracie H., assignor.)
 General Electric Company. (See Thompson, Louis W., assignor.)
 General Fireproofing Company, The. (See Burrell, William C., assignor.)
 Gerdlén, Hans, Berlin-Grünwald, assignor to Siemens & Halske, Aktiengesellschaft, Berlin, Germany. Melting light metals. 1,514,151; Nov. 4.
 Gernsback, Hugo, New York, N. Y. Ear cushion. 1,514,152; Nov. 4.
 Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Schäfer, Walter, assignor.)
 Gibbs, Benedict T., jr., Chicago Heights, assignor to Morden Froz & Crossing Works, Chicago, Ill. Adjustable anchor block for slip switches. 1,514,206; Nov. 4.

Gilbert, Leo A., assignor of one-half to P. F. Gilbert, Baltimore, Md., and one-fourth to H. Clilverd, Davenport, Iowa. Transmission mechanism. 1,513,981; Nov. 4.

Gilbert, Philip F., et al. (See Gilbert, Leo A., assignor.)

Gilchrist, Peter S. (See Hechenbleikner, L., and Gilchrist.)

Gilson, Robert M. (See Beall, C. R., and Gilson.)

Glrl, Christian, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper-supporting means. 1,513,808; Nov. 4.

Glrl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Automobile bumper. 1,514,380; Nov. 4.

Grvin, Fitzhugh B., Georgetown, Tex. Internal-combustion engine. 1,514,280; Nov. 4.

Godley, Henry G. (See Higginbotham, S. H., and Godley.)

Goldham, Harry, New York, N. Y. Lady's bag. Des. 65,910; Nov. 4.

Goldham, Harry, New York, N. Y. Lady's bag. Des. 65,911; Nov. 4.

Goldnyder, Adolph, and S. Goldstein, New York, N. Y. Air-blowing device for fur-cutters' use. 1,514,515; Nov. 4.

Goldstein, Samuel. (See Goldnyder, A., and Goldstein.)

Golomb, Morris, New York, N. Y. Protector for boxers. 1,514,516; Nov. 4.

Goodfellow, Joseph. (See Chapman, Charles E., assignor.)

Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)

Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)

Goodrich, B. F., Company, The. (See Oenslager, G., and Howard, assignors.)

Goodwin, John. (See Meredith, John, assignor.)

Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)

Gordon, John, Minneapolis, Minn. Pipe hanger. 1,514,455; Nov. 4.

Gory, Harry, Wyoming, Ohio. Upending device for ice cakes. 1,514,207; Nov. 4.

Goss, Oliver P. M. (See Rawson, R. H., and Goss.)

Gould, George L., Plain Dealing, La. Oil burner. 1,514,450; Nov. 4.

Govoni, Anselmo. (See MacCarragher, J. M., and Govoni.)

Grabhorn & Dubiner. (See Dubiner, Herman, assignor.)

Grace, John F., Kearny, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Safety shut-off valve for condenser systems. 1,513,982; Nov. 4.

Gray, Albert, Cardiff, Wales. Top for single-deck omnibuses. 1,514,381; Nov. 4.

Gray, Marion R. (See Smith, Harry C., assignor.)

Greenbrook, Hans C., Chicago, Ill. Bread cutter. 1,513,983; Nov. 4.

Greenawalt, William E., Denver, Colo. Metallurgical process. 1,514,153; Nov. 4.

Greene, Tweed & Co. (See Brabson, Frank, assignor.)

Grieb, Wallace W., Downers Grove, Ill. Game apparatus. 1,514,382; Nov. 4.

Griffith, Graves, San Francisco, Calif. Optical instrument for taking and projecting pictures. 1,513,984; Nov. 4.

Griffiths, Francis H. (See Evans, J. E., and Griffiths.)

Griffiths, Richard T. (See Steele, C. W., and Griffiths.)

Groff, Angus R., assignor to ARG Auxiliary Spring Company, Birmingham, Ala. Rear fender brace. 1,514,208; Nov. 4.

Grönwall, Eugen A. A., Stockholm, Sweden. Electric furnace. 1,513,754; Nov. 4.

Gross, Angus R., Baltimore, Md. Parking light. 1,514,457; Nov. 4.

Grubb, Thomas, St. Louis, Mo. Egg-candling device. 1,514,281; Nov. 4.

Guide Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)

Gulden, Martin L., Bolling Springs, Pa. Salt-serving device. 1,513,755; Nov. 4.

Gunn, Robert W., and W. A. S. Thompson, Los Angeles, Calif. Ball valve. 1,513,985; Nov. 4.

Gunning, John N., Chillicothe, Ohio. Relief valve. 1,514,080; Nov. 4.

Haasted, Lauritz, Drammen, Norway. Stop block and switch for railway tracks. 1,514,043; Nov. 4.

Hahn, Frank R., Decatur, Ill. Concrete building construction. 1,514,081; Nov. 4.

Hajduczyk, Antal, and E. Sakaesi, Long Island City, N. Y. Spring heel. 1,514,154; Nov. 4.

Hale, William J. (See Dow, H. H., and Hale.)

Hall Borchert Dress Form Company. (See Jankus, Jack C., assignor.)

Hall, Charles W., and H. E. De Jarnette, Princeton, W. Va. Headlight control. 1,514,155; Nov. 4.

Halperson, Max. (See Sparrer, N., and Halperson.)

Hamilton, Jay G., Chicago, Ill. Tablet holder or directory. 1,514,517; Nov. 4.

Hancock, Raymond F., Marion, Ind., assignor to J. Boyce, Gibson, Mich., and H. F. Anderson, Marion, Ind. Glass blowing and trimming machine. 1,513,750; Nov. 4.

Hancock, Scotty, Shidler, Okla. Combination bit and underreamer. 1,514,156; Nov. 4.

Hanhart, Hans. (See Schmid, W., and Hanhart.)

Hansen, Sven, Cleveland, Ohio. Spark plug. 1,514,200; Nov. 4.

Hanson, Bengt M. W., Hartford, Conn. Shaping mechanism for grinding wheels. 1,513,757; Nov. 4.

Hanson, Bengt M. W., Hartford, Conn. Shaper for grinding wheels. 1,513,758; Nov. 4.

Hanson, Charles R., Jarnad-Up, Western Australia, Australia. Multipedal tractor wheel. 1,514,518; Nov. 4.

Hapgood, Cyrus H., Nutley, N. J., assignor to De Laval Separator Company, New York, N. Y. Separating solids from liquids. 1,513,986; Nov. 4.

Harding, William A., Mullen, Nebr. Toilet for motor vehicles. 1,514,157; Nov. 4.

Hardy, Edward, Colchester, Ill. Amusement device. 1,514,316; Nov. 4.

Hare, Wilfred A., Detroit, Mich. Automatic stoker. 1,513,987; Nov. 4.

Harlan, Van Don, Humphrey, Ark. Cotton-cleaning machine. 1,514,044; Nov. 4.

Harrington, William H., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,514,458; Nov. 4.

Harris, John, Lakewood, Ohio. Acetylene generator. 1,513,988; Nov. 4.

Harris, Ora E., Kearney, Nebr. Milk and cream sampling equipment cabinet. 1,514,282; Nov. 4.

Harris, William M., Evanston, Wyo. Pen. 1,514,519; Nov. 4.

Hartford-Fairmont Company. (See Honiss, William H., assignor.)

Hartford-Fairmont Company. (See Lorenz, William A., assignor.)

Hartman, Milton C. (See Pouley, R. E., and Hartman.)

Hartman, Thomas J., Chicago, Ill. Shoulder pad. 1,514,459; Nov. 4.

Hassler, Franz. (See Immerbels, C., and Hassler.)

Haste, James H., assignor to Eastman Kodak Company, Rochester, N. Y. Film-making process. 1,514,283; Nov. 4.

Hawes, Harold B., Bridgeport, Conn. Skylight. 1,513,800; Nov. 4.

Hawes, Harold B., Bridgeport, Conn. Skylight. 1,513,810; Nov. 4.

Hazard, George E., and H. F. Boe, Rochester, N. Y. Combined gauge and outlet. 1,514,520; Nov. 4.

Heath, Archibald B., Lynbrook, N. Y. Lamp shade. Des. 65,912; Nov. 4.

Hebebrand, George H. (See Neal, B., and Hebebrand.)

Hechenbleikner, Ingenula, and P. S. Gilchrist, Charlotte, N. C., assignors to Chemical Construction Company, New York, N. Y. Method of and apparatus for producing sulphuric acid. 1,513,903; Nov. 4.

Heeter, Charles M., Butler, Pa. Oil-well packer. 1,514,284; Nov. 4.

Helde, William A., Detroit, Mich. Carburetor. 1,514,317; Nov. 4.

Helm, George N., San Francisco, Calif. Sunshade-operating means. 1,514,082; Nov. 4.

Helmold, Robert, Kiel, Germany. Device for counting differently-loaded vehicles. 1,513,811; Nov. 4.

Heinrich, Jules. (See Vandergaw, E. B., and Heinrich.)

Heinrich, Walter A., assignor, by mesne assignments, to W. N. Matthews Corporation, St. Louis, Mo. Switch box and switch cartridge. 1,514,210; Nov. 4.

Henderson, Edwin T., Broken Hill, New South Wales, Australia. Treating oxidized sulphide ores. 1,513,812; Nov. 4.

Henderson, Frank. (See Llano, Archibald, assignor.)

Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Flash light. Des. 65,913; Nov. 4.

Henning, Bertel O., Chicago, Ill. Deoxidizing and cleaning metals and alloys. 1,513,989; Nov. 4.

Henriksson, Emil W., assignor to J. H. Nordqvist, Helsingfors, Finland. Safety lock. 1,514,318; Nov. 4.

Henry, James W., Gooding, Idaho. Agricultural machine. 1,514,045; Nov. 4.

Heppes, George P., et al. (See Cumfer, H., and McFarland, assignors.)

Herr, Park A., Hillside, assignor to The Slinger Manufacturing Company, Elizabeth, N. J. Power transmitter. 1,514,083; Nov. 4.

Hertz, Michael, Newark, N. J. Automatic circuit breaker. 1,514,383; Nov. 4.

Hester, John C., assignor of one-half to G. D. Luscher, Milwaukee, Wis. Convertible freight car. 1,514,211; Nov. 4.

Hewett, Robert J., Westfield, N. J. Railway signal system. 1,514,212; Nov. 4.

Hews, A. H., & Co. (See MacCarragher, J. M., and Govoni, assignors.)

Hickok, Frank, Carthage, Mo. Tractor. 1,514,521; Nov. 4.

Hicks, John W., Madison, Wis. Candelabrum. Des. 65,914; Nov. 4.

Hiers, Alden J., Linton, Ind. Clutch and brake operating mechanism. 1,513,905; Nov. 4.

Higginbotham, Samuel H., and H. G. Godley, Alhambra, assignors to Radium Appliance Company, Los Angeles, Calif. Collapsible landing net. 1,513,990; Nov. 4.

Hildebrand, Reinhard, Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Engine-stopping device. 1,514,285; Nov. 4.

Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary-pump-lubricating means. 1,514,384; Nov. 4.

Hill, Elert A., Los Angeles, Calif. Lock mechanism. 1,513,904; Nov. 4.

Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)

Hill, Kenneth V., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Lens-grinding apparatus. 1,513,813; Nov. 4.

Hillhouse, Wade H., Lebanon, Ga. Crossing signal. 1,513,814; Nov. 4.

Hillmes, Henry J., Altamont, Ill. Driving connection. 1,514,522; Nov. 4.

Hinkly, Ray B., Luverne, Minn. Helicopter. 1,514,046; Nov. 4.

Hirabara, Kazuyoshi. (See Yamanouchi, Y., and Hirabara.)

Hirst, John A., Chester, England. Electric-motor starter. 1,514,523; Nov. 4.

Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)

Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company. Leer. 1,514,385; Nov. 4.

Hitner, Harry F., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for inspecting plate glass. 1,514,386; Nov. 4.

Hockett, Aaron L., Birmingham, Ala. Scrape set. 1,514,387; Nov. 4.

Hodgkinson, Edwin, assignor to Taylor Instrument Companies, Rochester, N. Y. Recording instrument. 1,514,524; Nov. 4.

Hoffner, Frank, Nanticoke, Pa. Spinning machine. 1,513,906; Nov. 4.

Hofmann, Carl F., et al. (See Cumfer, H., and McFarland, assignors.)

Hofmann, Gustav, Belgrade, Minn. Radiator. 1,514,047; Nov. 4.

Hoke, William E., St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y. Precision gauge. 1,514,525; Nov. 4.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,514,048; Nov. 4.

Holmes, Thomas J., Boston, Mass. Liquid atomizer. 1,514,084; Nov. 4.

Holt Manufacturing Company, The. (See Coburn, Ernest, assignor.)

Holt Manufacturing Company, The. (See Holt, Philip E., assignor.)

Holt Manufacturing Company, The. (See Wickersham, Elmer E., assignor.)

Holt, Philip E., assignor to The Holt Manufacturing Company, Stockton, Calif. Double-spring yoke adjustment. 1,514,158; Nov. 4.

Homan, Archie E., Cleveland, C. H. Homan, Lakewood, Ohio, and O. Douth, assignors, by mesne assignments, to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. 1,513,991; Nov. 4.

Homan, Clayton H. (See Homan, A. E., Homan, and Douth.)

Honiss, William H., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Glass-delivering apparatus. 1,514,526; Nov. 4.

Hoover, Grant E., Freeport, Ill. Clothesline pole. 1,514,388; Nov. 4.

Horsley, Robert L., Memphis, Tenn. Buckle for baling cotton. 1,513,992; Nov. 4.

Howard, Julian C. (See Oenslager, G., and Howard.)

Howe, Andrew F., Granite City, Ill. Casting machine. 1,514,213; Nov. 4.

Howe, Curtis L., assignor to The Underfeed Stoker Company of America, Detroit, Mich. Electrical control apparatus for securing shaft synchronism. 1,513,993; Nov. 4.

Huff, Slaughter W., and W. J. Quinn, New York, N. Y. Heater control. 1,514,085; Nov. 4.

Hugo, Emil J., assignor to Largman, Oppenheim & Co., Philadelphia, Pa. Cord winder. 1,513,994; Nov. 4.

Hugo, Henry, Holtville, Calif. Counter-stool construction. 1,513,907; Nov. 4.

Hulet, Clarence S., Edmonton, Alberta, Canada. Display device. 1,514,527; Nov. 4.

Hulme, Frederic G., Germantown, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Loom. 1,513,908; Nov. 4.

Hunter, William N., Blanchester, Ohio. Hand bag. 1,513,909; Nov. 4.

Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Door lock. 1,514,528; Nov. 4.

Hurd, William R., 2d, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Metal manufacture. 1,513,815; Nov. 4.

Hurt, C. B., et al., trustees. (See Brown, Lloyd, assignor.)

Huyck, F. C., & Sons. (See Wallace, George M., assignor.)

Hydraulic Press Manufacturing Company, The. (See Fiddymont, John C., assignor.)

Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Train-door control system. 1,514,286; Nov. 4.

Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electric heater. 1,514,287; Nov. 4.

Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electrically heated roller. 1,514,288; Nov. 4.

Ide, Geo. P., & Company. (See Becker, Donald B., assignor.)

Ichida, Koshiro, Tokyo, Japan. Rotary multicolor-printing press. 1,514,049; Nov. 4.

Immerbels, Carl, Ludwigshafen-on-Rhine, and F. Hassler, Hamburg, Germany, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Manufacture of readily-soluble tanning preparations. 1,513,995; Nov. 4.

Independent Paper Mills, Inc. (See Arelt, Charles, assignor.)

Ingram, Frederick F., Company. (See Beatty, Raymond R., assignor.)

Ingram, George E., Ronan, Mont. Fuel economizer. 1,513,996; Nov. 4.

Ingram, George E., Chicago, Ill. Air valve for internal-combustion engines. 1,513,997; Nov. 4.

International Motor Company. (See Josephs, L. C., Jr., and Sheetz, assignors.)

Ives, Harry C., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn. Toy railway bridge. 1,513,816; Nov. 4.

Ives Manufacturing Corporation, The. (See Ives, Harry C., assignor.)

James, Albert E., Natchez, Miss. Stove attachment. 1,514,159; Nov. 4.

Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper-clamping device. 1,513,817; Nov. 4.

Jankus, Jack C., assignor to Hall Borchert Dress Form Company, Scranton, Pa. Dress form. 1,514,086; Nov. 4.

Janney, Walter T., Philadelphia, Pa. Centrifugal casting machine. 1,514,319; Nov. 4.

Janney, Walter T., Philadelphia, Pa. Centrifugal casting machine. 1,514,320; Nov. 4.

Jeffery, Walter H., Toledo, Ohio. Commutator. 1,514,321; Nov. 4.

Jemmisson, John W., Huddersfield, England. Street-sweeping and refuse-collecting machine. 1,514,289; Nov. 4.

Jenkins, Russell L. (See Adams, R., Jenkins, and Vol-wiler.)

Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,513,818; Nov. 4.

John, Herman J., La Grange, Ill. Attaching plug for making electrical connections. 1,513,819; Nov. 4.

Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support for stock-fitting machines. 1,513,820; Nov. 4.

Johnson, Charles E., et al., trustees. (See Warren, John R., assignor.)

Johnson, Charles P., Lebanon, Tenn. Gate opening, closing, and latching mechanism. 1,514,087; Nov. 4.

Johnson, Enos H., Los Angeles, Calif. Universal machine vise. 1,514,160; Nov. 4.

Johnston, James A., Danville, Va., assignor to Virginia Tobacco Curer Company, Incorporated. Oil burner for tobacco barns. 1,513,910; Nov. 4.

Johnston, John W., Rochester, N. Y. Golf-ball holder. 1,514,529; Nov. 4.

Johnston, Richard M., assignor of one-half to L. Ode-gard, Winchester, Ill. Cultivator fender. 1,514,050; Nov. 4.

Jones, Arthur, assignor to U. S. Smelting Furnace Company, Belleville, Ill. Burner structure for furnaces. 1,514,214; Nov. 4.

Jones, Coulter W., assignor to The Dow Chemical Company, Midland, Mich. Extracting bromine. 1,513,821; Nov. 4.

Jones, Elliott P. (See Futrell, Jason J., assignor.)

Jordan, William M., Jr. (See Rice, R. L., sr., and Jordan.)

Josephs, Lyman C., Jr., and M. L. Sheetz, Allentown, Pa., assignors to International Motor Company, New York, N. Y. Transmission. 1,513,822; Nov. 4.

Jumonville, Charles, New Orleans, La. Mop. 1,514,051; Nov. 4.

Justice, Leslie H., McMinnville, assignor of one-half to W. F. Story, Jr., Sparta, Tenn. Clothesline. 1,514,161; Nov. 4.

Kaiser, Fredrick, Audubon, N. J. Pipe coupling or joint. 1,514,052; Nov. 4.

Kander, Allen, Philadelphia, Pa., assignor to The Whitkop Corporation. Combined lamp shade and box or similar article. Des. 65,915; Nov. 4.

Kant, Carl R., Clintonville, Wis. Combination screen and window ash. 1,513,823; Nov. 4.

Kapfer, Albert W., Buffalo, N. Y. Clasp for scarfs, neckties, and the like. 1,513,998; Nov. 4.

Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Uniting metals. 1,513,824; Nov. 4.

Keeter, Harvey L., Liberty, Mo. Mold. 1,514,053; Nov. 4.

Keever, Royal O., Tacoma, Wash. Grass catcher for lawn mowers. 1,514,290; Nov. 4.

Keller, Clyde W., and L. H. Cannon, Kansas City, Mo. Internal-combustion engine. 1,513,911; Nov. 4.
 Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,513,825; Nov. 4.
 Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
 Kelsey, Alexander F., Edmonton, Alberta, Canada. Apparatus for recovering bitumen and crude oil from tar sand, oil sand, bituminous sandstone, shales, and the like. 1,514,102; Nov. 4.
 Kemp, Leonard J., Queenstown, Cape Province, South Africa. Method and apparatus for casting. 1,514,530; Nov. 4.
 Kemper, Willis H., Industry, Ill. Footboard holder for vehicles. 1,513,912; Nov. 4.
 Kendall, Edward P., Bowdoinham, Me. Planter. 1,514,531; Nov. 4.
 Kennedy, Walter B., San Francisco, Calif. Electrical-circuit control. 1,514,088; Nov. 4.
 Kenney, Charles H. (See Kenney, Hilton C., assignor.)
 Kenney, Hilton C., assignor to C. H. Kenney, New London, Conn. Blade movement for electric razors. 1,513,826; Nov. 4.
 Kent, Arthur A., Ardmore, Pa. Variable-coil structure. 1,514,322; Nov. 4.
 Kent, George S., Buffalo, N. Y. Boiler furnace. 1,514,163; Nov. 4.
 Kent, Herbert R., assignor to Kent Sales Agency, Chicago Heights, Ill. Motor-spring-handling apparatus. 1,513,827; Nov. 4.
 Kent Sales Agency. (See Kent, Herbert R., assignor.)
 Kernohan, Robert B., J. S. Lochhead, and W. Trinks, Pittsburgh, Pa. Structure and operation of heating furnaces. 1,513,828; Nov. 4.
 Kerr, Alexander H. (See Lufkin, Garland, assignor.)
 Kifer, Ward G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing cage. 1,513,999; Nov. 4.
 Killark Manufacturing Company. (See Desloge, Joseph, assignor.)
 Kimber, Herbert G., Oakland, Calif. Rake. 1,514,291; Nov. 4.
 Kinsley, Carl, assignor to Engineers Development Company, Washington, D. C. Storage battery. 1,513,913; Nov. 4.
 Kirchner, John J., Baltimore, Md. Sine and angle calculator. 1,514,323; Nov. 4.
 Kirschner, Karl, Oberndorf-on-the-Neckar, Germany. Chippers. 1,514,532; Nov. 4.
 Kitchen, Claire and G. C., Santa Cruz, Calif. Molding form. 1,514,533; Nov. 4.
 Kitchen, Grover C. (See Kitchen, Claire and G. C.)
 Kjode, Einar, Bergen, Norway. Grab on single wire. 1,514,000; Nov. 4.
 Klow, Louis, Chicago, Ill. Plant receptacle. 1,513,829; Nov. 4.
 Knoderer, Homer G., Englewood, N. J., assignor to General Electric Company, Armored conductor. 1,514,292; Nov. 4.
 Knudsen, Knud, Danbury, Conn. Push-button-switch construction. 1,514,324; Nov. 4.
 Kobzy, Steven, assignor to Chicago Die & Specialty Company, Chicago, Ill. Automobile signal. 1,514,534; Nov. 4.
 Kohler, Ernest, Alameda, Calif. Game. 1,514,089; Nov. 4.
 Kohnstamm, H., & Co. (See Phair, Robert A., assignor.)
 Kopp, Philip E., Kansas City, Mo. Combined faucet and stopper for containers. 1,513,914; Nov. 4.
 Koppe, Max, assignor of one-half to J. B. Verhoeven, New York, N. Y. Nonsinkable car float and cargo barge. 1,514,001; Nov. 4.
 Kops Brothers. (See Kops, Waldemar, assignor.)
 Kops, Waldemar, assignor to Kops Brothers, New York, N. Y. Apparel garment. 1,514,325; Nov. 4.
 Korngebel, Gustav. (See Anschütz, Carl, assignor.)
 Kortick, John C., San Francisco, Calif. Letter opener. Des. 65,916; Nov. 4.
 Kosken, Wilho A., Boston, assignor, by mesne assignments, to R. F. Smith, Concord, Mass. Ring traveler. 1,514,326; Nov. 4.
 Kovar, Joe, Coupland, Tex. Thermometer. 1,514,535; Nov. 4.
 Kozelek, Louis. (See Bigwood, A. V., and Kozelek.)
 Kraker, George M., Chicago, Ill. Fountain pen or the like. 1,514,002; Nov. 4.
 Kramer, Andrew A., Kansas City, and C. E. Chapman, Independence, Mo.; said Chapman assignor to said Kramer, Condenser. 1,514,536; Nov. 4.
 Krause, Walter, Friesack, Germany. Pipe joint for irrigation systems. 1,514,327; Nov. 4.
 Kriebel, Percy E., Atlantic City, N. J., assignor to American Engineering Company, Philadelphia, Pa. Electrohydraulic steering gear. 1,514,537; Nov. 4.
 Kronquest, Alfred L., Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y. Closing receptacles. 1,514,538; Nov. 4.
 Kuns, Kenneth E., Chicago, Ill. Vending machine. 1,513,915; Nov. 4.
 La Casse, Elizabeth M., Oakland, Calif. Period faucet. 1,513,830; Nov. 4.
 Lader, Jacob, assignor to Atlas & Blumh, Inc., New York, N. Y. Printed fabric. Des. 65,917; Nov. 4.

Lader, Jacob, assignor to Atlas & Blumh, Inc., New York, N. Y. Printed fabric. Des. 65,918; Nov. 4.
 La Ducer, Jerry J., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Vertical-spindle milling machine. 1,514,539; Nov. 4.
 La Ducer, Jerry J., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Milling machine. 1,514,540; Nov. 4.
 Lamb, George L., Nappanee, Ind. Glareshield for automobiles. 1,514,541; Nov. 4.
 Lancia, Vincenzo, Turin, Italy. Brake gear. 1,514,054; Nov. 4.
 Landers, Thomas L., Anderson, S. C. Pipe wrench. 1,514,542; Nov. 4.
 Lane, George, and J. E. Patterson, Poughkeepsie, N. Y. Stereoscopic projection. 1,514,543; Nov. 4.
 Lang, Arthur J., New York, N. Y. Automatic cord adjuster. 1,514,544; Nov. 4.
 Lankheet, Sander, Hamilton, Mich. Elevator. 1,514,545; Nov. 4.
 Lanning, James K. (See Berdon, Albert E., assignor.)
 Large, Edward N., Tillamook, Oreg. Saw clamp. 1,513,916; Nov. 4.
 Largman, Oppenheim & Co. (See Hugo, Emil J., assignor.)
 Latham, Albert, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me. Fastener package and preparing such package. 1,513,831; Nov. 4.
 Lawaczek, Franz, Pocking, Germany. Runner for rotary engines. 1,514,203; Nov. 4.
 Lawson, Harry C., San Antonio, Tex. Display stand. 1,514,055; Nov. 4.
 Lee, Royal, Milwaukee, Wis. Motor controller. 1,514,546; Nov. 4.
 Leder, Hawley B., assignor of one-half to D. Russell, Grand Bayou, La. Well-drilling device. 1,514,547; Nov. 4.
 Leltzen, John W., Mapleton, Iowa. Storage battery. 1,514,056; Nov. 4.
 Leroy, Jules, Paris, France. Two-stroke internal-combustion engine. 1,514,057; Nov. 4.
 Leow, James S. (See Leow, Peter P., assignor.)
 Leow, Peter P., assignor to one forty-fifth to J. S. Leow, Boyne City, Mich. Autosleigh. 1,514,204; Nov. 4.
 Lewis, Archibald B., assignor to Geo. D. Barnard Stationery Company, St. Louis, Mo. Check book. 1,514,003; Nov. 4.
 Lewis, David M., Topeka, Kans., assignor of two-thirds to J. D. Purcell, Chicago, Ill. Locomotive draft appliance. 1,513,832; Nov. 4.
 Lewis, Leroy M., Merion, Pa. Alarm check valve. 1,514,090; Nov. 4.
 Lilly, Ell, & Company, The. (See Shonle, Horace A., assignor.)
 Lindberg, John F., Chicago, Ill. Condenser. 1,514,295; Nov. 4.
 Linnemann, Adolf, Berlin, Germany. Mechanical coal and rock mining machine. 1,514,058; Nov. 4.
 Lionne, Ernest, Needham Heights, Mass. Porous impregnated fabric. 1,514,548; Nov. 4.
 Little, John W., McCook, Nebr. Beet-digging device. 1,513,833; Nov. 4.
 Llano, Archibald, Brooklyn, assignor to Henderson, New York, N. Y. Soldering iron. 1,514,549; Nov. 4.
 Lochhead, James S. (See Kernohan, R. B., Lochhead, and Trinks.)
 Loftness, Edward C., Gibbon, Minn. Combined vine stripper and bean or pea huller. 1,513,834; Nov. 4.
 Lombard, Oscar, Skanee, Mich. Drive mechanism. 1,514,550; Nov. 5.
 Long, Eugene M., New York, N. Y. Imitation hole for putting greens. 1,513,917; Nov. 4.
 Lorenz, William A., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Apparatus for separating molten glass into mold charges. 1,514,059; Nov. 4.
 Lott, Clyde R., Washington, D. C., assignor, by mesne assignments, to The Owens Bottle Company. Method and apparatus for flowing molten glass. 1,514,091; Nov. 4.
 Lovell Manufacturing Company. (See Robertson, William, assignor.)
 Lovell, Frederick A. (See Smith, E. E., and Lovell.)
 Lovell, Theodore P., Syracuse, N. Y. Sash fastener. 1,513,835; Nov. 4.
 Lucas, Harry W., Holbrook, Mass., assignor to Fitz Empire Double Pivot Last Company, Auburn, Me. Last. 1,513,836; Nov. 4.
 Ludlum Steel Company. (See Armstrong, P. A. E., and De Vries, assignors.)
 Lufkin, Garland, assignor to A. H. Kerr, Sand Springs, Okla. Conveyor. 1,513,837; Nov. 4.
 Luscher, George D. (See Hester, John C., assignor.)
 Lutenberger, Mike, Blocton, Ala. Can opener. 1,514,104; Nov. 4.
 Lykken, Henry G. (See Wilson, W. E., and Lykken.)
 Lyle, Frederick W., Lynn, and J. N. Tuttle, Boston, Mass., assignors to Beacon Accessories Corporation. Reflector for use in headlights. 1,514,551; Nov. 4.
 Lynch, John E., Syracuse, N. Y. Lubricating device. 1,514,092; Nov. 4.

Mabey, Charles W., assignor to Mabey Electric and Manufacturing Company, Indianapolis, Ind. Cigar lighter. 1,514,582; Nov. 4.
 Mabey Electric and Manufacturing Company. (See Mabey, Charles W., assignor.)
 MacCarragher, Joseph M., and A. Govoni, Somerville, assignors to A. H. Hews & Co., Incorporated, Cambridge, Mass. Pottery trimmer. 1,513,840; Nov. 4.
 MacDonald, Frederick D., Milwaukee, Wis. Floral support. 1,513,841; Nov. 4.
 MacDonald, Frederick L., Boston, Mass. Golf-score card. 1,514,254; Nov. 4.
 Mackintosh-Hemphill Company. (See Brock, Richard E., assignor.)
 Mackintosh-Hemphill Company. (See Talbot, Howard H., assignor.)
 Madison Tire & Rubber Company. (See Belden, Russell D., assignor.)
 Main, Robert J. (See Ruopp, W. C., McEldowney, Main, and Main.)
 Main, Russell W. (See Ruopp, W. C., McEldowney, Main, and Main.)
 Mandelbaum, Emanuel. (See Ray, Albert D., assignor.)
 Mandell, Ambrose J., Forest Hills, N. Y. Alloy intended for castings. 1,514,004; Nov. 4.
 Manhattan Electrical Supply Company. (See Hendry, William F., assignor.)
 Manofsky, John, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Expanded-metal machine. 1,514,297; Nov. 4.
 Marquette Manufacturing Company. (See Sheer, Eugene, assignor.)
 Marple, Samuel L., Philadelphia, Pa. Automatic feed-water regulator. 1,513,759; Nov. 4.
 Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,514,215; Nov. 4.
 Martin, William H., New York, N. Y., assignor to American Telephone and Telegraph Company. Foreign-potential-detecting device. 1,513,760; Nov. 4.
 Marx, Louis, New York, N. Y. Figure toy. 1,514,216; Nov. 4.
 Matheson, Murdoch, assignor to R. B. Anthony, Chicago, Ill. Gasket-spinning machine. 1,514,328; Nov. 4.
 Matzuoka, Chokichi, Los Angeles, Calif. Japanese soy and making the same. 1,514,554; Nov. 4.
 Matthews, W. N., Corporation. (See Heinrich, Walter A., assignor.)
 Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens-testing instrument. 1,513,842; Nov. 4.
 McAuliffe, Margaret E., Boston, Mass. Manicurist's buffer. 1,513,838; Nov. 4.
 McCallum, Charles B., Oakland, Calif. Wood or the like working accessory. 1,514,060; Nov. 4.
 McCallum, John W., Mareeba, Queensland, Australia. Sketching means. 1,514,296; Nov. 4.
 McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,514,004; Nov. 4.
 McClellan, Durbey F., Nashville, Tenn. Store fixture or equipment. 1,514,389; Nov. 4.
 McClure, Earl W. (See Whalen, E. C., and McClure.)
 McCormick, Langdon, New York, N. Y. Apparatus for simulating natural phenomena. 1,514,552; Nov. 4.
 McCray, John E., Indianapolis, Ind. Self loading and dumping vehicle. 1,513,839; Nov. 4.
 McDowell, Clare B., Flint, Mich. Antiskid device. 1,514,553; Nov. 4.
 McEldowney, Harry. (See Ruopp, W. C., McEldowney, Main, and Main.)
 McEneaney, Owen F., Brooklyn, N. Y. Pipe attachment for steam on knifing machines. 1,514,061; Nov. 4.
 McFarland, Owen D. (See Cumfer, H., and McFarland.)
 McKee, William E., Joliet, assignor to William E. Pratt Manufacturing Co., Chicago, Ill. Vehicle jack. 1,514,390; Nov. 4.
 McKiernan-Terry Drill Company. (See Riker, Malcolm D., assignor.)
 McLain, Robert M., assignor of one-half to E. A. Reilly, Fort Worth, Tex. Incasing wells. 1,514,062; Nov. 4.
 McMullen, James L., Dallas, Tex. Vehicle spring. 1,514,063; Nov. 4.
 McNeely, Audley N. (See Cook, Cass G., assignor.)
 McQuillan, Laura, Fort Sill, Okla. Permanent hair-waving method and preparation. 1,513,918; Nov. 4.
 McQuillan, Laura, Fort Sill, Okla. Hair-waving tube. 1,513,919; Nov. 4.
 Meehan, Emil, Rastatt, Germany. Motion-picture-projecting apparatus. 1,513,920; Nov. 4.
 Meehan, James H., Leadville, Colo. Electrical testing device. 1,514,555; Nov. 4.
 Meffert, Alexander, New York, N. Y. Bathing attire. 1,513,843; Nov. 4.
 Mehring, Arnon L. (See Bryan, H., Mehring, and Ross.)
 Meier, Hans, Middleburg, N. Y. Ice-harvesting machine. 1,514,298; Nov. 4.
 Meighan, Joseph C., assignor to E. T. Sanborn, Birmingham, Ala. Doing business as W. T. Sanborn & Company. Locomotive-running-gear attachment for tractors. 1,514,005; Nov. 4.
 Menefee, Chalmers C. (See Menefee, Elmer, assignor.)
 Menefee, Elmer, Gilbert, assignor of one-half to C. C. Menefee, Saint Louisville, Ohio. Closure arrangement for milk cans. 1,513,921; Nov. 4.

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
 Meredith, John, Handsworth, Birmingham, assignor of one-half to J. T. Goodwin, Chesterfield, England. Fluid-pressure engine. 1,514,299; Nov. 4.
 Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
 Merwin, Francis N., St. Louis, Mo. Variocoupler. 1,514,006; Nov. 4.
 Messer, Adolf, Frankfurt-on-the-Main, Germany. Fluid-pressure-regulating valve. 1,514,217; Nov. 4.
 Messinger, Herbert W., Midwest, Wyo. Wheel-sanding device. 1,514,165; Nov. 4.
 Metals Refining Company. (See Wilke, Erwin L., assignor.)
 Metcalf, Walter N., Evening Shade, Ark. Ventilating system for vehicles. 1,514,329; Nov. 4.
 Metz, Samuel T., Jamaica, N. Y., assignor to Treco Company, Inc. Brassières. 1,514,218; Nov. 4.
 Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Reflector for automobile lamps. 1,513,844; Nov. 4.
 Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Corrugated reflector for automobile lamps. 1,513,845; Nov. 4.
 Miles, Casper W., Anderson Township, Hamilton County, Ohio. Electric generating apparatus and method. 1,514,093; Nov. 4.
 Milkey, Lester E., Sandusky, Ohio. Paper-making machine, particularly adapted to making tissue and other thin papers. 1,514,556; Nov. 4.
 Miller Rubber Company, The. (See Steele, C. W., and Griffiths, assignors.)
 Miller, Thomas S., South Orange, and J. H. Dickinson, Montclair, N. J. Logging apparatus. 1,514,219; Nov. 4.
 Millie Patent Holding Co. (See Allatt, Thomas, assignor.)
 Miner, Eugene S., assignor of one-half to S. B. Sargent, San Francisco, Calif. Rear-end equipment support. 1,514,557; Nov. 4.
 Mirrey, James. (See Fisher, H. J., and Mirrey.)
 Mirrelees, James F., assignor to Avey Drilling Machine Co., Cincinnati, Ohio. Stroke-limiting device for automatic machines. 1,513,846; Nov. 4.
 Mitchell, Ardon M., Crestwood, assignor of one-half to K. M. Widmer and one-half to H. P. Bain, New York, N. Y. Plastic composition and making same. 1,513,922; Nov. 4.
 Modern Lighting Fixture Co. (See Poritz, Frederick M., assignor.)
 Moeglen, Désiré M. (See Ramsay, M. U., and Moeglen.)
 Mogensén, Thorwald, Alden, Minn. Collar. 1,514,558; Nov. 4.
 Monroe, Robert J., assignor to The Crescent Brass Products Company, Cleveland, Ohio. Lighting fixture. Des. 65,919; Nov. 4.
 Monroe, Robert J., assignor to The Crescent Brass Products Company, Cleveland, Ohio. Lighting fixture. Des. 65,920; Nov. 4.
 Montalbano, Charles, Brooklyn, N. Y. Toy. 1,514,559; Nov. 4.
 Montann, Adolph, West Orange, assignor to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Slide for garments. 1,513,847; Nov. 4.
 Montgomery, Robert J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Glass and composition therefor. 1,513,923; Nov. 4.
 Mooney, Edward L., Minneapolis, Minn. Triplicate sales book. 1,514,300; Nov. 4.
 Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Antiglare device for headlights. 1,513,848; Nov. 4.
 Moore, Edward J. and R. H., assignors to The Rotor Pneumatic Company, Cleveland, Ohio. Rotary motor. 1,514,007; Nov. 4.
 Moore, George R. (See Young, W. A., and Moore.)
 Moore Inventions Corporation. (See Moore, Arlington, assignor.)
 Moore, James F., Valley Station, Ky. Asphalt distributor. 1,514,560; Nov. 4.
 Moore, Mortimer H., Chicago, Ill. Safe. 1,513,849; Nov. 4.
 Moore, Raymond H. (See Moore, Edward J. and R. H.)
 Morden Frog & Crossing Works. (See Gibbs, Benedict T., Jr., assignor.)
 Morgan Construction Company. (See Croshy, Fred B., assignor.)
 Morgan Construction Company. (See Sheperdson, John W., assignor.)
 Morgan, Hazen C., assignor to Arcade Manufacturing Company, Freeport, Ill. Toy taxicab. 1,514,220; Nov. 4.
 Morgan, Rees C., and J. F. Pelly, assignors to Bethlehem Steel Company, Bethlehem, Pa. Assembling tubes and liners in gun manufacture. 1,514,166; Nov. 4.
 Morgan, Rees C., and J. F. Pelly, assignors to Bethlehem Steel Company, Bethlehem, Pa. Assembling tubes and liners in gun manufacture. 1,514,167; Nov. 4.
 Morgan, Rees C., and J. F. Pelly, assignors to Bethlehem Steel Company, Bethlehem, Pa. Apparatus for assembling tubes and liners in gun construction. 1,514,168; Nov. 4.

Morgan, Rees C., and J. F. Pelly, assignors to Bethlehem Steel Company, Bethlehem, Pa. Apparatus for assembling tubes and liners in gun construction. 1,514,169; Nov. 4.

Morreale, Joseph F., New York, N. Y. Wall board. 1,514,561; Nov. 4.

Morreale, Joseph F., New York, N. Y. Building-wall construction. 1,514,562; Nov. 4.

Morton, Frederic C., New Haven, Conn. Reel for strip material. 1,513,850; Nov. 4.

Moses, Charles J., Bogota, and D. Van Blarcom, Hackensack, N. J. Pool-chalk holder. 1,514,391; Nov. 4.

Mosier, James P., St. Francis, Mo., assignor to National Lead Company, New York, N. Y. Combined material removing and conveying machine. 1,514,008; Nov. 4.

Muckenbren, Charles H., Detroit, Mich. Rear-lamp lens. Des. 65,921; Nov. 4.

Muckenbren, Charles H., Detroit, Mich. Rear-lamp lens. Des. 65,922; Nov. 4.

Mueller, Otto G., Sheboygan, Wis. Table. 1,514,301; Nov. 4.

Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Cutter-grinding attachment. 1,514,392; Nov. 4.

Müller, Georg, assignor to Pfister & Langhans, Nuremberg, Germany. Flow-off and overflow device for bathing tubs. 1,514,563; Nov. 4.

Munsingwear Corporation, The. (See Spillsbury, Beulah G., assignor.)

Munzer, Erwin G., Chicago, Ill. Lady's undergarment. 1,514,221; Nov. 4.

Murdock, Albert O., Fort Payne, Ala. Reserve-oil tank for automobiles. 1,514,253; Nov. 4.

Murdock, William J., Chelsea, Mass. Telephone head set. 1,513,924; Nov. 4.

Murdock, William J., Chelsea, Mass. Combined knob and dial. 1,513,925; Nov. 4.

Murray, Thomas E. (See Phelps, G. H., and Murray, assignors.)

Murray, Thomas E., Jr. (See Phelps, G. H., and Murray, assignors.)

Murray, Wallace J., Boston, Mass., assignor, by mesne assignments, to Todd Photocograph Company, Inc., Rochester, N. Y. Printing documents. 1,514,222; Nov. 4.

Naamloze Vennootschap Koninklijke Stearine Kaarsenfabriek "Gouda," (See Burlan, Eugene, assignor.)

Najarian, Herand K., Boone Terre, Mo. Screening machine and vibrating hammer therefor. 1,514,009; Nov. 4.

Narragansett Electric Lighting Company. (See Cameron, Alexander E., assignor.)

Nason, William C., Waterboro, Me. Sleigh attachment for motor vehicles. 1,514,302; Nov. 4.

National Brake Company. (See Brewster, William D., assignor.)

National Grave Vault Company, The. (See Bourland, Quille, assignor.)

National Lead Company. (See Mosier, James P., assignor.)

National Malleable and Steel Castings Company. (See Adams, David, assignor.)

Nawitsky, Paul, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-Rhine, Germany. Green vat dye and making same. 1,513,851; Nov. 4.

Neal, Burton, St. Louis, and G. H. Hebebrand, Kinloch, Mo. Machine for dividing streams of stock in mills. 1,514,330; Nov. 4.

Neldner, Edward E. and V. Milwaukee, Wis. Safety crank. 1,514,223; Nov. 4.

Neldner, Vincent. (See Neldner, Edward E. and V.)

Newbigin, Henry T., Newcastle-on-Tyne, England. Journal and other bearing. 1,514,583; Nov. 4.

Newcomer, David L., Hanover, Pa. Air moistener. 1,514,564; Nov. 4.

Newdanna, Martin, Tonopah, Nev. Motor sleigh. 1,514,170; Nov. 4.

Newell Mfg. Co., The. (See Barnwell, Harry T., assignor.)

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher-lubricating system. 1,514,224; Nov. 4.

Newland, Grant, Fort Dodge, assignor of one-half to J. P. Walrod, Moorland, Iowa. Gate. 1,514,256; Nov. 4.

Newman, William A., Montreal, Quebec, Canada. Engine. 1,514,331; Nov. 4.

Nieberding, Frank A., Cleveland, Ohio. Heater construction. 1,514,332; Nov. 4.

Niece, Fred G., Cleveland, Ohio. Ozonizer. 1,513,852; Nov. 4.

Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)

Niles-Bement-Pond Company. (See Fullerton, Herbert S., assignor.)

Niles-Bement-Pond Company. (See Wildhaber, Ernest, assignor.)

Nilson, John L., and J. Prince, Chicago, Ill., assignors to Universal Products Company, Memphis, Tenn. Liquid-level gauge. 1,514,565; Nov. 1924.

Noble, Warren, Providence, R. I. Machine for furnishing fruit-juice beverages. 1,514,094; Nov. 4.

Nordqvist, Josef H. (See Henriksen, Emil W., assignor.)

Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Lubricant. 1,514,095; Nov. 4.

Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Lubricant. 1,514,096; Nov. 4.

North American Watch Company. (See Rindskopf, Alexander C., assignor.)

North, Charles L. (See Schonfeld, W., and North.)

Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)

Norwood, Hubert M., Birmingham, Ala., assignor to Economy Fountain Company. Dispensing cabinet for soft drinks. 1,513,926; Nov. 4.

Nute, John L., assignor to Nute, McGehee, Geary Company, Inc., Chambersburg, Pa. Pinhole grate bar. 1,514,171; Nov. 4.

Nute, McGehee, Geary Company. (See Nute, John L., assignor.)

Oakes, Donald H. (See Ball, Lyman J., assignor.)

Oakes, Lucian R., assignor to The Oakes Manufacturing Company, Tipton, Ind. Electric heating coil. 1,513,927; Nov. 4.

Oakes Manufacturing Company, The. (See Oakes, Lucian R., assignor.)

O'Bannon Company. (See Smith, Paul S., assignor.)

O'Brien, Thomas D., Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,514,393; Nov. 4.

Odegard, Louis. (See Johnston, Richard M., assignor.)

Oenslager, George, and J. C. Howard, Akron, Ohio, assignors to The R. F. Goodrich Company, New York, N. Y. Method and apparatus for solvent recovery. 1,513,928; Nov. 4.

Oesterle, Edgar H. G. (See Oesterle, William F. and E. H. G.)

Oesterle, William F. and E. H. G., Peru, Ill. Windshield. 1,514,257; Nov. 4.

O'Leary, Michael, Cleveland, Ohio. Sanitary closet connection. 1,514,095; Nov. 4.

Olmsted, Robert S., Reading, Mass. Instrument for measuring horizontal angles. 1,514,394; Nov. 4.

O'Neill, James D., Montreal, Quebec, Canada. Rail stand for scale platforms. 1,514,566; Nov. 4.

O'Neill, Louis R. O., Newark, N. J. Dispensing device for shaving cream. 1,514,567; Nov. 4.

Ooms, Anton H., Frechen, near Cologne, Germany. Transporting clay pipes from their molding presses to the drying room. 1,514,333; Nov. 4.

Osborne, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. High-frequency composite set. 1,513,761; Nov. 4.

Osborne, John H., Anderson, Ind. Clamp for slicing machines. 1,513,853; Nov. 4.

Osmer, John E., Owosso, Mich., assignor of one-half to F. H. Smith, Columbus, Ohio. Exhaust mechanism for locomotives. 1,514,334; Nov. 4.

Ovalite Company, The. (See Adams, Frank.)

Owens Bottle Company, The. (See Loft, Clyde R., assignor.)

Owens, Flora, Brea, Calif. Head covering. 1,514,258; Nov. 4.

Packard Motor Car Company. (See Church, Harold D., assignor.)

Packard Motor Car Company. (See Vincent, Jesse G., assignor.)

Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading apparatus. 1,514,097; Nov. 4.

Page, Charles E., J. F., and C. N., Christchurch, New Zealand. Flushing cistern. 1,514,568; Nov. 4.

Page, Charles N. (See Page, Charles E., J. F., and C. N.)

Page, Jack F. (See Page, Charles E., J. F., and C. N.)

Page, Victor W., New York, N. Y. Internal-combustion motor. 1,514,098; Nov. 4.

Palmer, Charles S., Pittsburgh, Pa., assignor to Standard Oil Company, Chicago, Ill. Treating petroleum oils. 1,514,099; Nov. 4.

Palmgren, Nils G. (See Betulander, G. A., and Palmgren.)

Parker, Marion F. (See Froelich, Russell E., assignor.)

Parr, Richard W., Edgemere, Idaho. Musical instrument. 1,514,590; Nov. 4.

Patterson, John E. (See Lane, G., and Patterson.)

Peck, Ferdinand S., Los Angeles, Calif. Knot-tying attachment for pencils. 1,514,010; Nov. 4.

Pelly, John F. (See Morgan, R. C., and Pelly.)

Pennsylvania Wire Glass Company. (See Shuman, Arno, assignor.)

Perrin, Arthur, et al., executors. (See Perrin, William H.)

Perrin Shocker Manufacturing Company. (See Perrin, William H., assignor.)

Perrin, William H., deceased, by A. Perrin and G. A. Bassett, executors, assignors to Perrin Shocker Manufacturing Company, Limited, New Liskeard, Ontario, Canada. Sheaf shocker. 1,514,584; Nov. 4.

Peters, Gustav, Danzig, Free City of Danzig. Surgical implement for applying clips to wounds. 1,514,259; Nov. 4.

Peterson, W. F., et al., trustees. (See Brown, Lloyd, assignor.)

Pettes, Clare W., Verdun, Quebec, Canada. Stepladder. 1,514,339; Nov. 4.

Pettiford, Ralph E., Muncie, Ind. Stepladder. 1,513,854; Nov. 4.

Pfister & Langhans. (See Müller, Georg, assignor.)

Phair, Robert A., Allendale, N. J., assignor to H. Kohnstamm & Co., Inc. Souring composition and method. 1,514,067; Nov. 4.

Phair, Robert A., Allendale, N. J., assignor to H. Kohnstamm & Co., Inc. Bleaching or stain-removing composition and method. 1,514,068; Nov. 4.

Phelps, George H., Warehouse Point, Conn., and T. E. Murray, Jr., said Phelps assignor to T. E. Murray, Brooklyn, N. Y. Press forging and similar operations. 1,514,335; Nov. 4.

Phelps, Paul, assignor to Vogt Brothers Mfg. Co., Louisville, Ky. Crusher. 1,513,855; Nov. 4.

Phillips, Cecil O., deceased, New York, N. Y.; E. L. Phillips, executrix. Container for powder. 1,514,225; Nov. 4.

Phillips, Elizabeth L., executrix. (See Phillips, Cecil O.)

Phipps, Frank L. (See Baumgardner, Frank J., assignor.)

Pittsburgh Plate Glass Company. (See Hittner, Harry F., assignor.)

Pittsburgh Plate Glass Company. (See Redshaw, Joseph H., assignor.)

Poeton, Lawrence, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,513,856; Nov. 4.

Pontecorvo, Hector A., Niagara Falls, N. Y. Tailor's measure. 1,514,395; Nov. 4.

Pope, Charles E., deceased, Springfield, Mass., assignor of two-thirds to G. Schenck, Millinocket, Me., and W. A. Whitcomb, Dedham, Mass.; M. A. Pope, executrix. Paper-making machine. 1,514,011; Nov. 4.

Pope, Mary A., executrix. (See Pope, Charles E.)

Poritz, Frederick M., New York, N. Y., assignor to Modern Lighting Fixture Co., Inc. Lighting-fixture part. Des. 65,923; Nov. 4.

Post, Claude L., Chicago, Ill. Fountain feed. 1,513,857; Nov. 4.

Post, Claude L., Chicago, Ill. Envelope-feeding mechanism. 1,513,858; Nov. 4.

Potter, Roland H., Fairfield, Nebr. Toy savings bank. Des. 65,944; Nov. 4.

Pouley, Robert E., and M. C. Hartman, Chicago, Ill. Ventilator. 1,514,396; Nov. 4.

Powers Accounting Machine Corporation. (See Still, Harvey P., assignor.)

Poyton, Karl L. F., assignor to J. J. White Manufacturing Company, Providence, R. I. Charm construction. 1,514,397; Nov. 4.

Pratt & Whitney Company. (See Hoke, William E., assignor.)

Pratt & Whitney Company. (See La Duer, Jerry J., assignor.)

Pratt & Whitney Company. (See Müller, Friederich, assignor.)

Pratt, Benjamin H., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 65,924; Nov. 4.

Pratt, William E., Manufacturing Co. (See McKee, William E., assignor.)

Preiss, Max, Wittenberg, Germany. Conting material and process and apparatus for the manufacture thereof. 1,514,226; Nov. 4.

Prentice, George E., New Britain, Conn., assignor to Tree Company, Inc. Buckle. 1,514,227; Nov. 4.

Pressed Steel Car Company. (See Suckfield, George A., assignor.)

Preston, George E. (See Colbert, C. C., and Preston.)

Price, Harry, assignor to Acme Electric Heating Company, Boston, Mass. Electric heater. 1,514,228; Nov. 4.

Price, John D., and W. H. Drake, Cleveland, Ohio. Shoe and making same. 1,514,460; Nov. 4.

Prince, John. (See Nilson, J. L., and Prince.)

Pring, Arthur B., Huntington, W. Va. Tube expander. 1,514,099; Nov. 4.

Proctor & Schwartz, Incorporated. (See Ayres, Elwood B., assignor.)

Proctor & Schwartz, Incorporated. (See Rhoads, Thomas H., assignor.)

Prüss, Max, Essen, Germany. Discharging device for sludge basins. 1,514,336; Nov. 4.

Purcell, Joseph D. (See Lewis, David M., assignor.)

Putnam, Allen L., Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del. Disk wheel. 1,513,859; Nov. 4.

Quadrangle Corporation. (See Floyd, James, assignor.)

Quinn, Walter J. (See Huff, S. W., and Quinn.)

Quist, Andrew J., Mount Jewett, Pa. Rubber-heel reinforcement. 1,513,762; Nov. 4.

Radio Corporation of America. (See Edwards, Robert C., assignor.)

Radio Frequency Laboratories, Incorporated. (See Ballantine, Stewart, assignor.)

Radium Appliance Company. (See Higginbotham, S. H., and Godley, assignors.)

Rambuschek F., Berlin, Germany. Rotating cutting tool for working metal, circular saws, and the like. 1,514,012; Nov. 4.

Ramsay, M. U., and D. M. Moeglen, Bois-Colombes, France. Worm hob for gear cutting. 1,514,172; Nov. 4.

Rancourt, Walter J., Boston, Mass. Tap-splitting machine. 1,514,100; Nov. 4.

Rand, James H., North Tonawanda, N. Y. Index tab. 1,513,929; Nov. 4.

Randall Williams Company. (See Williams, Glen L., assignor.)

Rappenecker, Carl A., Unterglöttental, Germany. Closing device for bottles, preserve glasses, and the like. 1,514,337; Nov. 4.

Rasco, Charles A., Merced Falls, Calif. Spring suspension for vehicles. 1,514,303; Nov. 4.

Rawson, Ralph H., Portland, Oreg., and O. P. M. Goss, Seattle, Wash. Dry kiln. 1,514,101; Nov. 4.

Ray, Albert D., assignor to E. Mandelbaum, Cleveland, Ohio. Film container. 1,513,930; Nov. 4.

Rea, Ernest C., Des Moines, Iowa. Lightning-rod-point support. 1,513,931; Nov. 4.

Redding, Edward T., Swissvale, Pa., assignor to Consolidated Expanded Metal Companies. Expanded-metal-making apparatus. 1,514,229; Nov. 4.

Redshaw, Joseph H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Edge-holding device for sheet glass. 1,514,338; Nov. 4.

Reece Shoe Machinery Company. (See Shea, Francis A., assignor.)

Ree, Alfred A., New Haven, Conn. Game. 1,514,260; Nov. 4.

Rehfuess, Louis A. (See Willie, H. V., and Rehfuess.)

Reichert, John, Racine, Wis. Antiskid device. 1,514,261; Nov. 4.

Reibl, Charles A. (See Calderwood, W., Webb, and Reibl.)

Reilly, Eugene A. (See McFain, Robert M., assignor.)

Reiser, Daniel and O. J., Cleveland, Ohio. Automobile theft indicator. 1,514,339; Nov. 4.

Reiser, Orlin J. (See Reiser, Daniel and O. J.)

Relay Automatic Telephone Company Limited, The. (See Butler, G. A., and Palmgren, assignors.)

Reliable Automatic Sprinkler Company, The. (See Evans, J. E., and Griffiths, assignors.)

Remington Arms Company. (See Werme, Tage F., assignor.)

Remington Typewriter Company. (See Barney, Edwin E., assignor.)

Reizenstein, Charles L., Pittsburgh, Pa. Plate or similar article. Des. 65,925; Nov. 4.

Reizenstein, Charles L., Pittsburgh, Pa. Plate or similar article. Des. 65,926; Nov. 4.

Reizenstein, Charles L., Pittsburgh, Pa. Plate or similar article. Des. 65,927; Nov. 4.

Reizenstein, Charles L., Pittsburgh, Pa. Plate or similar article. Des. 65,928; Nov. 4.

Respass, William R., Staten Island, assignor to C. Brandes, Inc., New York, N. Y. Acoustic horn and manufacturing the same. 1,514,587; Nov. 4.

Reutter, Frederick, assignor to Seovill Manufacturing Company, Waterbury, Conn. Hinge structure. 1,513,860; Nov. 4.

Reynolds, Joseph S., Carpinteria, Calif. Cultivator. 1,514,461; Nov. 4.

Reynolds, A., & Company Limited. (See Fisher, H. J., and Mirrey, assignors.)

Rhoads, Thomas H., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,513,932; Nov. 4.

Rice, Robert L., sr., and W. M. Jordan, Jr., Hovey, Miss. Liquid spreader for windshields. 1,514,340; Nov. 4.

Richardson, John H., Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,514,230; Nov. 4.

Richter, John P., assignor of three-fourths to S. M. Bradley and one-fourth to T. M. Bradley, Jr., Birmingham, Ala. Auxiliary spring snubber. 1,514,341; Nov. 4.

Riddle, Louis M., Pittsburgh, Pa. Wall-illuminating structure. 1,513,933; Nov. 4.

Rieger, Joseph W., Brooklyn, N. Y. Cutter. 1,513,861; Nov. 4.

Riehle, Anton, Fort Atkinson, Iowa. Attachment for corn binders. 1,514,304; Nov. 4.

Riess, Frank, assignor to Riess Manufacturing Company, Indianapolis, Ind. Punch and press. 1,513,782; Nov. 4.

Riess Manufacturing Company. (See Riess, Frank, assignor.)

Riker, Malcolm D., Dover, N. J., assignor to McKiernan-Terry Drill Company, New York, N. Y. Ratchet handle. 1,513,862; Nov. 4.

Rindskopf, Alexander C., Chicago, Ill., assignor to North American Watch Company. Watchcase. Des. 65,929; Nov. 4.

Ringsstrom, Charles J., Chicago, Ill. Furnace. 1,514,342; Nov. 4.

Ritter, Nathan, Brooklyn, N. Y. Adjustable duplex quick-release fastener. 1,514,462; Nov. 4.

Robertson, William, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer drip board. 1,513,783; Nov. 4.

Robinson, Richard, Masury, Ohio. Treating metal. 1,514,102; Nov. 4.

Roedding, Gordon E., and F. H. Doerr, Grand Rapids, Mich., assignors to Cheney Talking Machine Company, Chicago, Ill. Spring-motor-testing device. 1,514,343; Nov. 4.

Roesner, Siegmund, Cicero, Ill. Anti-theft attachment for pocketbooks and the like. 1,513,784; Nov. 4.
 Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting method and apparatus. 1,514,103; Nov. 4.
 Rohm & Haas Company. (See Immerheiser, C. and Hasler, assignors.)
 Roman, Frank, Freeland, Pa. Water-distribution system. 1,514,173; Nov. 4.
 Roos, Edward, River Forest, Ill. Cedar chest. 1,514,344; Nov. 4.
 Roosevelt, Gracie H., Tacoma, Wash., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,514,570; Nov. 4.
 Rose, Anton, Cleveland, Ohio. Mechanism for making laterally-slotted metal stampings. 1,513,783; Nov. 4.
 Rose, Benjamin, Titusville, Pa. Portable drill press. 1,513,786; Nov. 4.
 Ross, William H., (See Bryan, H., Mehring, and Ross.)
 Rossi, Giacinto, Philadelphia, Pa. Sectional radiator for automobiles. 1,514,463; Nov. 4.
 Rotor Pneumatic Company, The. (See Moore, Edward J. and R. H., assignors.)
 Rouleau, Stephen L., (See Callahan, R. and Rouleau.)
 Rowe, William A., assignor to American Blower Company, Detroit, Mich. Fan wheel and making same. 1,513,763; Nov. 4.
 Ruckman, Floyd A., Fort Wayne, Ind. Record-keeping device. 1,514,464; Nov. 4.
 Rudolph, Corrie F., Washington, D. C. Locking mechanism. 1,514,013; Nov. 4.
 Rudolph, Wilhelm. (See Settegast, B., and Rudolph.)
 Ruettimann, Joseph B., assignor of one-half to M. Fragos, St. Paul, Minn. Indicator for goods, prices, etc. 1,514,588; Nov. 4.
 Ruffing, George F., McKeesport, Pa. Beef-skinning machine. 1,514,104; Nov. 4.
 Ruopp, William C., H. McEldowney, R. J. Main, and R. W. Main, Upper Sandusky, Ohio. Valve. 1,514,586; Nov. 4.
 Russ, Harley W., Haverhill, Mass. Wood-heel-blank holder. 1,514,174; Nov. 4.
 Russell, Albert E., Wellington, New Zealand. Statuette. Des. 65,930; Nov. 4.
 Russell, De France. (See Leffer, Hawley B., assignor.)
 Russo, Albert, Pittston, Pa. Air heater. 1,514,105; Nov. 4.
 Ryerson, Leo, Portland, Mich. Signaling device. 1,513,787; Nov. 4.
 Sablin, Herbert B., Cleveland Heights, Ohio. Truck. 1,513,803; Nov. 4.
 Sadler, Samuel, San Francisco, Calif. Combined lamp and sound amplifier. Des. 65,931; Nov. 4.
 Sadler, Samuel S., Springfield, Pa. Producing calcium arsenate. 1,513,934; Nov. 4.
 Saeger, Ralph E., Nazareth, Pa. Camera attachment. 1,514,014; Nov. 4.
 Sakacsi, Emil. (See Hajdúcsky, A., and Sakacsi.)
 Salerno, Ferdinando G., Chicago, Ill. Machine for applying a top coating of comminuted material to confection-coated wafers. 1,514,345; Nov. 4.
 Sanborn, E. T., (See Melghan, Joseph C., assignor.)
 Sanders, John C., Harrisburg, Pa. Garter. 1,513,764; Nov. 4.
 Sanders, Samuel, Waltham, Mass. Mantle and window assembly. 1,514,465; Nov. 4.
 Sands, Edwin T., (See Birkin, C. W., and Sands.)
 Sanford, Don A., deceased, Washington, D. C.; G. L. Sanford, administratrix. Safety locking apparatus for elevators. 1,514,015; Nov. 4.
 Sanford, Don A., deceased, Washington, D. C.; G. L. Sanford, administratrix. Safety locking device for elevators. 1,514,016; Nov. 4.
 Sanford, Greta L., administratrix. (See Sanford, Don A., assignor.)
 Santmyer, Jacob H., Uniontown, Pa. Mine jack. 1,514,262; Nov. 4.
 Sargeant, Sidney R., (See Miner, Eugene S., assignor.)
 Sarsen, Bert R., Chicago, and H. D. Binks, River Forest, assignors to Binks Spray Equipment Co., Chicago, Ill. Spray tower. 1,514,346; Nov. 4.
 Savage, John C., Ryde, Isle of Wight, England, assignor to The Skywriting Corporation of America. Smoke, luminous, or other trail from aircraft. 1,514,106; Nov. 4.
 Savaglio, Anthony P., Chicago, Ill. Illuminated sign. 1,514,466; Nov. 4.
 Schapp, Alexander K., Brooklyn, N. Y. Heat treatment of iron. 1,514,070; Nov. 4.
 Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Hallelesches, Berlin, Germany. Controlling alternator for supplying tube transmitters. 1,514,231; Nov. 4.
 Schall, Wallace A., Clinton, Iowa. Chocolate-drop confection. Des. 65,933; Nov. 4.
 Schatz, William A., Astoria, assignor of seventy per cent to W. J. Atwood, New York, N. Y. Liquid dispenser. 1,513,935; Nov. 4.
 Scheffele, Frederick W., Audubon, N. J. Oil burner. 1,514,175; Nov. 4.
 Scheinesohn, Leo, Cincinnati, Ohio. Automobile bumper. 1,513,788; Nov. 4.
 Schenck, Garret, et al. (See Pope, Charles E., assignor.)

Scheuchzer, Auguste, Renens, near Lausanne, assignor to Ferrodesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Railway-track-weeding machine. 1,514,176; Nov. 4.
 Scheuchzer, Auguste, Renens, near Lausanne, assignor to Ferrodesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Railway-track-weeding machine. 1,514,177; Nov. 4.
 Schloemer, Henry, and H. E. Schultdt, Sauk City, Wis. Auto tire pump plunger. 1,514,232; Nov. 4.
 Schmid, Walter, and H. Hanhart, Huntington Station, N. Y. Rotary sleeve valve. 1,514,347; Nov. 4.
 Schmidt, Charles D., Jamaica, N. Y. Air-cooled brake or clutch. 1,513,864; Nov. 4.
 Schoellner & Horbach Mfg. Co. (See Schoellner, John W., assignor.)
 Schoellner, John W., assignor to Schoellner & Horbach Mfg. Co., Newark, N. J. Shirt stud. 1,514,071; Nov. 4.
 Scholes, Daniel R., assignor to Aeromotor Company, Chicago, Ill. Windmill. 1,514,305; Nov. 4.
 Schonfeld, William, London, and C. L. North, Hampstead, London, England; said North assignor to said Schonfeld. Tube or rod bending appliance. 1,514,467; Nov. 4.
 Schopf, John P., W., Los Angeles, Calif. Arch cushion. 1,514,468; Nov. 4.
 Schroeder, David G., Mountain Lake, Minn. Wrench. 1,514,017; Nov. 4.
 Schultdt, Henry E., (See Schloemer, H., and Schultdt.)
 Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Lens strap. 1,513,789; Nov. 4.
 Schutten, Joseph, Los Angeles, Calif. Oil can. 1,514,107; Nov. 4.
 Schuyler, Wilton S., Springfield, Ohio. Washing machine. 1,514,469; Nov. 4.
 Scott, August C., New York, N. Y. Money box. 1,514,203; Nov. 4.
 Scott, John P., (See Allan, William G., assignor.)
 Scovill Manufacturing Company. (See Reutter, Frederick, assignor.)
 Searles, Aaron M., Chicago, and F. Bain, La Grange, Ill.; said Bain assignor to said Searles. Valve and making it. 1,514,233; Nov. 4.
 Seaton, Max Y., assignor to The Dow Chemical Company, Midland, Mich. Insecticide. 1,514,348; Nov. 4.
 Seasholtz, John, and M. Bilancia, Newark, N. J. Fire-proof protection legging. 1,513,936; Nov. 4.
 Sebrrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and product obtained thereby. 1,514,371; Nov. 4.
 Seessengood, Freddie A., Noble, Ill. Safe-lock attachment. 1,514,593; Nov. 4.
 Seidler, Alexander, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company. Field cable layer. 1,513,937; Nov. 4.
 Semenza, Bernard, assignor of forty per cent to P. Welch, New York, N. Y. Red-lead paint. 1,513,865; Nov. 4.
 Semplux G. m. b. H., (See Szykier, Jean, assignor.)
 Settegast, Bernhard, and W. Rudolph, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Dropping lead for determining the depth of sea by sound waves. 1,514,264; Nov. 4.
 Severin, Carl C., San Francisco, Calif. Electric-light fixture. Des. 65,932; Nov. 4.
 Severin, Frank W., assignor to Venn-Severin Machine Co., Chicago, Ill. Engine. 1,514,234; Nov. 4.
 Severin, Edwin F., Clarkfield, Minn. Trap. 1,514,349; Nov. 4.
 Sharpe, Oscar R., East San Gabriel, Calif. Dentifrice-dispensing device. 1,514,018; Nov. 4.
 Shaw, Louis E., East Orange, N. J., assignor to E. J. Bullwinkel, New York, N. Y. Top for automobiles, etc. 1,513,790; Nov. 4.
 Shea, Francis A., assignor to Reece Shoe Machinery Company, Boston, Mass. Cutting block for clicking machines and the like. 1,513,938; Nov. 4.
 Sheer, Eugene, Lincoln, Ill., assignor to Marquette Manufacturing Company, St. Paul, Minn. Auto luggage carrier. Re15,940; Nov. 4.
 Sheetz, Martin L., (See Josephs, L. C., Jr., and Sheetz.)
 Sheffield, Aaron, Jr., Philadelphia, Pa. Engine connecting rod. 1,514,300; Nov. 4.
 Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill drive. 1,514,178; Nov. 4.
 Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Rolling mill. 1,514,179; Nov. 4.
 Sheridan, William E., East Orange, N. J. Self-closing mouthpiece for bags or pouches. 1,513,866; Nov. 4.
 Shonle, Horace A., assignor to The Eli Lilly & Company, Indianapolis, Ind. Isobutyl ethyl barbituric acid. 1,514,672; Nov. 4.
 Shonle, Horace A., assignor to The Eli Lilly & Company, Indianapolis, Ind. Isoamyl ethyl barbituric acid. 1,514,573; Nov. 4.
 Shuman, Arno, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Water-cooled glass-tank furnace. 1,514,307; Nov. 4.
 Siemens & Halske, Aktiengesellschaft. (See Gerdien, Hans, assignor.)

Signal Gesellschaft mit beschränkter Haftung. (See Settegast, B., and Rudolph, assignors.)
 Sikora, John L., Waterford, Conn. Mechanical horse. 1,514,350; Nov. 4.
 Simplicity Oil & Grease Pump Company. (See Callahan, R., and Rouleau, assignors.)
 Singer Manufacturing Company, The. (See Herr, Park A., assignor.)
 Skatalski, Frank, Detroit, Mich. Tire-changing tool. 1,514,019; Nov. 4.
 Skywriting Corporation of America, The. (See Savage, John C., assignor.)
 Sledge, Paul R., Jr., Augusta, Ga. Insect exterminator. 1,514,020; Nov. 4.
 Small, David L., (See Small, William and D. L.)
 Small, William, Paterson, and D. L. Small, Vaux Hall, N. J. Thermal circuit closer. 1,514,108; Nov. 4.
 Smiley, John F., Dallas, Tex. Danger signal. 1,513,867; Nov. 4.
 Smith, Benjamin F., (See Kosken, Wilho A., assignor.)
 Smith, Benjamin C., Westfield, N. J. Lubricating system. 1,513,868; Nov. 4.
 Smith Chimes Clock Company, The. (See Smith, George L., assignor.)
 Smith, Emil M., Milwaukee, Wis. Cleaning and polishing compound. 1,514,235; Nov. 4.
 Smith, Ernest E., and F. A. Lovell, North Adams, Mass. Shoe steamer. 1,514,021; Nov. 4.
 Smith, Frank E., Scottsdale, Pa. Speed-equalizing mechanism. 1,513,765; Nov. 4.
 Smith, Frederick H., (See Osmer, John E., assignor.)
 Smith, George L., Fort Wayne, Ind., assignor to The Smith Chimes Clock Company. Gong-striking apparatus. 1,514,274; Nov. 4.
 Smith, Harry C., Santa Barbara, assignor of one-half to M. R. Gray, Los Angeles, Calif. Shirt protector. 1,513,939; Nov. 4.
 Smith, James, and M. E. Constable, Deposit, N. Y. Shingle roof. 1,513,940; Nov. 4.
 Smith, Paul S., assignor, by mesne assignments, to O'Bannon Company, West Barrington, R. I. Apparatus for coating and drying fabrics. 1,514,470; Nov. 4.
 Smith, Robert B., Macon, Ga. Method and apparatus for testing materials. 1,514,236; Nov. 4.
 Smith, Sydney, Gunnersbury, London, England. Piston. 1,514,022; Nov. 4.
 Smith, Thomas H., Bloomington, Ill. Game. 1,513,941; Nov. 4.
 Smith, William R., Los Angeles, Calif. Auxiliary apparatus for cooling systems. 1,513,942; Nov. 4.
 Smyser, James S., Harwich, Mass. Electrical apparatus. 1,514,591; Nov. 4.
 Smyser, James S., Harwich, Mass. Electrical apparatus. 1,514,592; Nov. 4.
 Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Drying apparatus. 1,514,265; Nov. 4.
 Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)
 Société Anonyme, Nieuport-Astra. (See Delage, Gustave, assignor.)
 Société dite Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Crey. (See Debaecker, Georges H. L., assignor.)
 Solberg, Arnt A., Coon Valley, Wis. Cigarette holder. 1,514,471; Nov. 4.
 Soren, Edgar M., Chicago, Ill., assignor to Briggs & Stratton Company, Milwaukee, Wis. Stop-light switch. 1,513,943; Nov. 4.
 South Australian Stevedoring Company. (See Fisher, Arthur J., assignor.)
 Spady, George P., Imperial, Nebr. Crib. 1,514,472; Nov. 4.
 Sparer, Nathan, Somerville, and M. Halperson, Boston, Mass. Buttons and grouping the same. 1,513,869; Nov. 4.
 Sparrow, Stanwood W., Middleboro, Mass. Method and device to use multiplied pressures for automatic altitude adjustments for aircraft. 1,513,870; Nov. 4.
 Specialty Manufacturing and Distributing Company. (See Frank, Benjamin, assignor.)
 Spies, Walter, New York, N. Y. Fountain-sealing device. 1,514,473; Nov. 4.
 Spillsbury, Beulah G., assignor to The Munsingwear Corporation, Minneapolis, Minn. Lady's undergarment. 1,514,266; Nov. 4.
 Spittler, William A., Kansas City, Mo. Combination saw and square. 1,514,180; Nov. 4.
 Spooner, Bernard, Brooklyn, assignor to American Armor Corporation, New York, N. Y. Bulletproof armor. 1,513,766; Nov. 4.
 Stacy, Eugene C., Tiffin, Ohio. Load binder. 1,514,023; Nov. 4.
 Stacy, Eugene C., Tiffin, Ohio. Load binder. 1,514,024; Nov. 4.
 Standard Oil Company. (See Palmer, Charles S., assignor.)
 Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-assembling machine. 1,513,767; Nov. 4.
 Staniewicz, John, Baltimore, Md. Shoe lace. 1,513,871; Nov. 4.
 Stanwood Equipment Company. (See Stanwood, Frank H., assignor.)

Stanwood, Frank H., Wilmette, assignor to Stanwood Equipment Company, Chicago, Ill. Universal joint. 1,514,181; Nov. 4.
 Stec, John, Wapwallopen, Pa. Window-shade roller. 1,514,182; Nov. 4.
 Steele, Charles W., and R. T. Griffiths, assignors to The Miller Rubber Company, Akron, Ohio. Machine for making hollow rubber articles. 1,514,183; Nov. 4.
 Steimbrenner, Carl, Niagara Falls, N. Y. Building construction. 1,514,398; Nov. 4.
 Steiner, Frank M., Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,514,399; Nov. 4.
 Steiner, Frank M., Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,514,400; Nov. 4.
 Steiner, George A., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,514,401; Nov. 4.
 Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Adjustable measuring device for towel cabinets. 1,514,402; Nov. 4.
 Steiner Sales Company. (See O'Brien, Thomas D., assignor.)
 Steiner Sales Company. (See Steiner, Frank M., assignor.)
 Steiner Sales Company. (See Steiner, George A., assignor.)
 Stensrud, Andrew, Oakland, Calif. Bending tool. 1,514,025; Nov. 4.
 Stenstrom, Helfrid, New York, N. Y. Monogram-making machine. 1,514,109; Nov. 4.
 Stepanek, Joseph J., Tabor, S. Dak. Nail-driving machine. 1,514,403; Nov. 4.
 Stephens, Catherine B., et al., trustees. (See Brown, Lloyd, assignor.)
 Stephens, G. A., et al., trustees. (See Brown, Lloyd, assignor.)
 Stephens, George B., et al., trustees. (See Brown, Lloyd, assignor.)
 Stephenson, John, Halifax, Nova Scotia, Canada. Flexible coupling and shock absorber. 1,513,944; Nov. 4.
 Stern, Isidore, New York, N. Y. Removable bridgework attachment. 1,514,267; Nov. 4.
 Stewart, David V., Columbiana, Ohio. Controlling mechanism. 1,514,268; Nov. 4.
 Stewart, Ralph E., Los Angeles, Calif. Variable-speed induction motor. 1,514,474; Nov. 4.
 Still, William J., London, England. Internal-combustion engine. 1,514,475; Nov. 4.
 Still, William J., London, England. Two-stroke internal-combustion engine. 1,514,476; Nov. 4.
 Still, Harvey P., Burnside, Conn., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y. Throat knife for card-feed mechanism. 1,514,110; Nov. 4.
 Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Note sheet. 1,514,575; Nov. 4.
 Story, Will F., Jr. (See Justice, Leslie H., assignor.)
 Stowell, Weston H., assignor to N. Strauss, Mamaroneck, N. Y. Telephone-disinfecting device. 1,513,768; Nov. 4.
 Straight, Halver R., Adel, Iowa. Mining machine. 1,514,269; Nov. 4.
 Strauss, Nathan. (See Stowell, Weston H., assignor.)
 Street, George H., Sheffield, England. Carving fork. 1,514,477; Nov. 4.
 Strelow, Waldo F. H., Hamburg, Germany. Manufacturing shells for bodies of ships. 1,514,351; Nov. 4.
 Stucky, Stephen, Oxford, Ala. Valve. 1,514,026; Nov. 4.
 Sturdy, Leonard G., Joliet, Ill. Circuit-control extension for electric lamps. 1,513,872; Nov. 4.
 Suckfield, George A., Avalon, assignor to Pressed Steel Car Company, Pittsburg, Pa. Operating and locking device for door-supporting members. 1,514,404; Nov. 4.
 Sullivan, Frank J., Oshkosh, Wis. Attachment for motor vehicles. 1,513,769; Nov. 4.
 Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
 Sutton, Joseph, Walla Walla, Wash. Eye protector. 1,514,111; Nov. 4.
 Swain, Hallie D., Meridian, Miss. Cant hook. 1,514,478; Nov. 4.
 Swartz Brothers. (See Swartz, David E., assignor.)
 Swartz, David E., assignor to Schwartz Brothers, Chicago, Ill. Tire boot. 1,513,770; Nov. 4.
 Sweeney, Morgan L., Los Angeles, Calif., assignor to Union Tank & Pipe Company. Securing joints in stove-pipe casings. 1,514,112; Nov. 4.
 Szykier, Jean, assignor to Semplux G. m. b. H., Berlin, Germany. Magazine fuse plug. 1,514,479; Nov. 4.
 T. & T. Toy Co. (See Torre, Frank, assignor.)
 Taber, Robert E., and F. D. Ammen, St. Louis, Mo. Monogram device. 1,514,184; Nov. 4.
 Talbot, Howard H., Wooster, Ohio, assignor, by mesne assignments, to Mackintosh-Hemphill Company, Pittsburg, Pa. Variable-speed rolling-mill drive. 1,514,405; Nov. 4.
 Tannenbaum, Joseph, assignor to A. Davis, New York, N. Y. Cuff link. 1,513,771; Nov. 4.
 Tapp, Rollan A., Madison, Ill. Apparatus for burning earth for plant beds. 1,514,480; Nov. 4.

Tasky, Samuel, Danville, Ill. Air pump. 1,513,873; Nov. 4.
 Taylor, Clovis M., Booneville, Miss. Adjustable brace and sweep. 1,514,481; Nov. 4.
 Taylor Instrument Companies. (See Hodgkinson, Edwin, assignor.)
 Taylor, John M., assignor to Diamond State Fibre Company, Bridgeport, Pa. Diaphragm and making same. 1,514,406; Nov. 4.
 Taylor, William, and A. Warmisham, Leicester, England. Mounting lenses. 1,514,352; Nov. 4.
 Telling, Charles B., Cleveland, Ohio. Confection-making apparatus. 1,513,772; Nov. 4.
 Tenney, Dwight, Brooklyn, N. Y., assignor to The Franklin Baker Company, Philadelphia, Pa. Method and apparatus for shelling nuts. 1,514,237; Nov. 4.
 Terán L., Manuel M. (See Terán L., Mario and M. M.)
 Terán L., Mario and M. M., Valera, Venezuela. Sugar-evaporating plant. 1,514,482; Nov. 4.
 Thalmer, Clarence M., Mount Vernon, N. Y. Hat. 1,514,407; Nov. 4.
 Thomas & Betts Co., The. (See Thomas, George C., Jr., assignor.)
 Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,514,408; Nov. 4.
 Thomas, Winthrop G., Blue Hill, Me., assignor to Batus Service Corporation, New York, N. Y. Register and indicator. 1,514,353; Nov. 4.
 Thompson, Anna M., New York, N. Y. Garment hanger. 1,514,483; Nov. 4.
 Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,514,376; Nov. 4.
 Thompson, Stouder, Cleveland Heights, Ohio. Return ball. 1,513,773; Nov. 4.
 Thompson, Willis A. S. (See Gunn, R. W., and Thompson.)
 Thomson, Jennie L., Tunkhannock, Pa. Teaching reading and the like. 1,514,270; Nov. 4.
 Thrasher, Mary, Nashville, Tenn. Adjustable neckwear. 1,514,354; Nov. 4.
 Tigerman, Joseph H., San Francisco, Calif. Lamp standard. Des. 65,934; Nov. 4.
 Tilden, Arthur, St. Louis, Mo. Cutting and grinding device, such as food choppers. 1,514,271; Nov. 4.
 Tilden, Arthur, St. Louis, Mo. Adjusting device for the cutting plates of food choppers. 1,514,272; Nov. 4.
 Tillyer, Edgar D. (See Hill, K. V., and Tillyer.)
 Timken Roller Bearing Company, The. (See Ehn, Erik W., assignor.)
 Timken Roller Bearing Company, The. (See Kifer, Ward G., assignor.)
 Tischler, Dennis E. (See Frederickson, F., Tischler, and Forsgren.)
 Todd Photocograph Company. (See Murray, Wallace J., assignor.)
 Torre, Frank, Newark, N. J., assignor to T. & T. Toy Co., New York, N. Y. Lamp. Des. 65,935; Nov. 4.
 Towler, Joseph C., Shrewsbury, Mass. Magneto support and drive. 1,513,752; Nov. 4.
 Traphagen, Harry R., assignor to Emerson-Brantingham Company, Rockford, Ill. Side-delivery rake. 1,513,774; Nov. 4.
 Traubel, Henry J., Cresskill, N. J. Game device. 1,514,355; Nov. 4.
 Tro Company. (See Metz, Samuel T., assignor.)
 Tro Company. (See Prentice, George E., assignor.)
 Trimmell, Clitherow N. (See Barnhart, A. J., and Trimmell.)
 Trinka, Willibald. (See Kernohan, R. B., Lockhead, and Trinka.)
 Triumph Manufacturing Company, The. (See Ward, Paul S., assignor.)
 Trumble, Milton J., Los Angeles, Calif. Removing values from oil sands. 1,514,113; Nov. 4.
 Truslow, Grover C., Draper, N. C. Mixer. 1,514,484; Nov. 4.
 Tuttle, James N. (See Lyle, F. W., and Tuttle.)
 Ufford, Morrell J., Upland, Calif. Wave motor. 1,513,874; Nov. 4.
 Uhl, Frank A., Indianapolis, Ind. Direction indicator. 1,514,409; Nov. 4.
 Underfeed Stoker Company of America, The. (See Howse, Curtis L., assignor.)
 Uni-Form Company. (See Ambursen, Nils P., assignor.)
 Union Switch & Signal Company, The. (See Beall, C. R., and Gilson, assignors.)
 Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
 Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
 Union Tank & Pipe Company. (See Sweeney, Morgan L., assignor.)
 United Cement Products Company. (See Camp, Ervin M., assignor.)
 United Shoe Machinery Corporation. (See Brock, Matthias, assignor.)
 United Shoe Machinery Corporation. (See Elch, Frank A., assignor.)
 United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Corporation. (See Hurd, William R., 2d, assignor.)

United Shoe Machinery Corporation. (See Johnson, Albert E., assignor.)
 United Shoe Machinery Corporation. (See Richardson, John H., assignor.)
 United Shoe Machinery Corporation. (See Standish, John F., assignor.)
 United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
 U. S. Smelting Furnace Company. (See Jones, Arthur, assignor.)
 United States Cartridge Company. (See Foley, George A., assignor.)
 Universal Draft Gear Attachment Company. (See Barnard, H., and Brasley, assignors.)
 Universal Draft Gear Attachment Company. (See Bartach, Herbert E., assignor.)
 Universal Products Company. (See Nilson, J. L., and Prince, assignors.)
 V. Rothe, Alexander, Berlin-Wilmersdorf, Germany. Method and device for taking cinematographic pictures. 1,514,069; Nov. 4.
 Van Blarcom, Douglas. (See Moses, C. J., and Van Blarcom.)
 Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough elevator. 1,514,185; Nov. 4.
 Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Flour duster. 1,514,186; Nov. 4.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 65,936; Nov. 4.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 65,937; Nov. 4.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 65,938; Nov. 4.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 65,939; Nov. 4.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 65,940; Nov. 4.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 65,941; Nov. 4.
 Venn-Severin Machine Co. (See Severin, Frank W., assignor.)
 Verhoeven, John R. (See Koppe, Max, assignor.)
 Verville, Alfred V., Dayton, Ohio. Detachable gasoline tank. 1,514,410; Nov. 4.
 Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Gear driving mechanism. 1,513,945; Nov. 4.
 Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,513,946; Nov. 4.
 Virginia Tobacco Curer Company. (See Johnson, James A., assignor.)
 Vogt Brothers Mfg. Co. (See Phelps, Paul, assignor.)
 Volwiler, Ernest H. (See Adams, R., Jenkins, and Volwiler.)
 Von Schenk, Carl, Irvington, N. Y. Upholstery-webbing stretcher. 1,514,273; Nov. 4.
 Vulcan Last Company, The. (See Clausing, George, assignor.)
 Walrod, John P. (See Newland, Grant, assignor.)
 Wakefield, Ralph A., Sacramento, Calif. Combined reversible hasp and latch. 1,514,114; Nov. 4.
 Wallace, George M., assignor to F. C. Huyck & Sons, Runsselaer, N. Y. Watermarking paper. 1,514,238; Nov. 4.
 Ward Leonard Electric Company. (See Bullinger, Frederick H., assignor.)
 Ward, Mary F. (See Fleckser, Frank W., assignor.)
 Ward, Paul S., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Change-speed mechanism. 1,514,485; Nov. 4.
 Waring, William G., Webb City, Mo. Treating ores. 1,513,775; Nov. 4.
 Warmisham, Arthur, Leicester, England. Lens. 1,514,356; Nov. 4.
 Warmisham, Arthur. (See Taylor, W., and Warmisham.)
 Warren, John R., et al., trustees. (See Warren, John R., assignor.)
 Warren, John R., Grand Rapids, assignor to J. R. Warren, D. J. Campbell, C. E. Johnson, P. R. Beardsley, and C. P. Damm, trustees, Muskegon, Mich. Rotary valve. 1,513,947; Nov. 4.
 Watson, Joseph F., Winsboro, S. C. Tension mechanism for revolving spindles on reel frames. 1,514,486; Nov. 4.
 Waxman, Samuel B., Baltimore, Md. Lining and method. 1,514,594; Nov. 4.
 Webb, Alfred E. (See Calderwood, W., Webb, and Rethl.)
 Webb, William R., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacturing cellulose acetate. 1,514,274; Nov. 4.
 Webster, Henry K., Madisonville, Ky. Safety device. 1,514,487; Nov. 4.
 Weigel, Adolf, Berlin, Germany. Apparatus for projecting advertisements upon and through a screen. 1,514,275; Nov. 4.
 Welch, Patrick. (See Semenza, Bernard, assignor.)

Wells, Jack E. (See Chrisman, A. M., and Wells.)
 Wells, Joel C., assignor to American Optical Company, Southbridge, Mass. Eyeglass case. 1,513,776; Nov. 4.
 Wernie, Tage F., Fairfield, Conn., assignor to Remington Arms Company, Inc. Projectile. 1,513,948; Nov. 4.
 Wernimont, Henry G., Omaha, Nebr. Combination tool. 1,514,488; Nov. 4.
 Wescott, William B., Wellesley Hills, assignor, by mesne assignments, to American Protein Corporation, Boston, Mass. Obtaining serum from blood. 1,513,949; Nov. 4.
 Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
 Westrod, Hans, Virginia, Minn. Ballot box. Des. 65,942; Nov. 4.
 Whalen, Edward C., Lakewood, and A. G. Gebhart, Cleveland, Ohio. Swivel-joint coupling. 1,514,276; Nov. 4.
 Whalen, Edward C., Lakewood, and E. W. McClure, Warrensville, Ohio. Coin bank. 1,514,277; Nov. 4.
 Whelan, William, Muttley, Plymouth, England. Stud-extracting and thread-cutting device. 1,514,357; Nov. 4.
 Whitkou Corporation, The. (See Kander, Allen, assignor.)
 Whippy, Frederick C., Chicago, Ill. Milk-bottle cap. 1,514,489; Nov. 4.
 Whitcomb, William A., et al. (See Pope, Charles E., assignor.)
 White, J. J., Manufacturing Company. (See Poyton, Karl L. F., assignor.)
 White, John F., Bradford, England. Textile-fiber-drying machine. 1,514,490; Nov. 4.
 White, Richard D., Washington, D. C. Lamp shade. Des. 65,943; Nov. 4.
 Whitney, Vincent J., San Francisco, Calif. Window support. 1,514,115; Nov. 4.
 Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Spring-mounted truck and carrier rollers. 1,514,187; Nov. 4.
 Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor-frame suspension. 1,514,188; Nov. 4.
 Wickes Brothers. (See Floeter, Frederick S., assignor.)
 Widmayer, Charles O., Detroit, Mich. Controlling means for wind musical instruments. 1,513,950; Nov. 4.
 Widmer, Kate M., et al. (See Mitchell, Ardon M., assignor.)
 Wiggins, John H., Bartlesville, Okla. Oil-storage tank. 1,514,116; Nov. 4.
 Wilder, Frank W., Watertown, Conn. Cotter-pin extractor. 1,514,117; Nov. 4.
 Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Worm gearing. 1,514,491; Nov. 4.
 Wilke, Erwin L., assignor to Metals Refining Company, Hammond, Ind. Melting scrap metal. 1,513,875; Nov. 4.
 Wilkinson, Paul H., Los Angeles, Calif. Hose clamp. 1,514,411; Nov. 4.
 Wille, Henry V., and L. A. Rehfsuss, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Welding tool. 1,514,492; Nov. 4.
 Wilkinson, Paul H., Los Angeles, Calif. Hose clamp. 1,514,412; Nov. 4.
 Williams, George A., Decatur, Ill., assignor to The Williams Sealing Corporation, Decatur, Ill. Bottle-capping machine. 1,514,239; Nov. 4.

Williams, Glen L., assignor to Randall Williams Company, Detroit, Mich. Rust remover and preventative. 1,514,494; Nov. 4.
 Williams, James H., Baltimore, Md. Resonance device for pianos. 1,514,493; Nov. 4.
 Williams, John W., San Antonio, Tex. Oven. 1,514,027; Nov. 4.
 Williams Sealing Corporation, The. (See Williams, George A., assignor.)
 Willis, Bernard D., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,513,777; Nov. 4.
 Willis, Bernard D., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,514,240; Nov. 4.
 Willis, Carter A. (See Willis, Reuben M. and C. A.)
 Willis, Reuben M. and C. A., Chanute, Kans. Coupling. 1,514,358; Nov. 4.
 Wilson, J. G., Corporation, The. (See Dodge, Arthur H., assignor.)
 Wilson, William E., Mason City, Iowa, and H. G. Lykken, Minneapolis, Minn. Klin. 1,513,778; Nov. 4.
 Wing, Henry C. and H. E., Greenfield, Mass. Mailing machine. 1,513,876; Nov. 4.
 Wing, Howard E. (See Wing, Henry C. and H. E.)
 Winkley, Erastus S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-cutting machine. 1,513,779; Nov. 4.
 Wirt & Knox Mfg. Co. (See Brown, Samuel A., assignor.)
 Wirth, John, New York, N. Y. Hair drier and comb. 1,514,495; Nov. 4.
 Witter, William S., Los Angeles, Calif. Spark intensifier or superspark builder. 1,514,496; Nov. 4.
 Woodard, William E., Forest Hills, N. Y. Motor for geared locomotives. 1,514,241; Nov. 4.
 Worthington Pump and Machinery Corporation. (See Allerton, Robert W., assignor.)
 Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
 Wright, John F., El Dorado, Ark. Oil-treating machine. 1,514,118; Nov. 4.
 Wyman, Charles E., Pekin, Ind. Floating riddle. 1,513,780; Nov. 4.
 Wyman, Partridge & Company. (See Dolan, Bernard, assignor.)
 Yamanouchi, Yujl., Kyoto, and K. Hirabara, Osaka, Japan. Drill-head-hammering device. 1,514,498; Nov. 4.
 Yates, Benjamin H., Webb City, Mo. Coated-food molder. 1,513,781; Nov. 4.
 York, Chauncey F., Detroit, Mich. Filling and measuring machine. 1,514,359; Nov. 4.
 York, Chauncey F., Detroit, Mich. Heating apparatus. 1,514,360; Nov. 4.
 Young, Charles F., Columbus, Ohio. Headlight for motor vehicles. 1,514,242; Nov. 4.
 Young, Clarence H., Boston, Mass. Pallet. 1,514,119; Nov. 4.
 Young, William A., and G. R. Moore, Medford, Oreg. Intake manifold heater. 1,514,189; Nov. 4.
 Youngstown Pressed Steel Company, The. (See Manofsky, John, assignor.)
 Ziemss, Henry, Jr., Chicago, Ill. Child's vehicle. 1,514,243; Nov. 4.
 Zuehlke, Charles A., Brooklyn, N. Y. Automatic shift for receiving tables. 1,514,497; Nov. 4.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene generator. J. Harris. 1,513,988; Nov. 4.
Acid, Isobutyl ethyl barbituric. H. A. Shonle. 1,514,572-3; Nov. 4.
Acid, Method of and apparatus for producing sulphuric. I. Hechenbleikner and P. S. Gilchrist. 1,513,903; Nov. 4.
Acoustic horn and manufacturing the same. W. R. Respass. 1,514,587; Nov. 4.
Advertisements upon and through a screen, Apparatus for projecting. A. Weigel. 1,514,275; Nov. 4.
Agricultural machine. J. W. Henry. 1,514,045; Nov. 4.
Air-cooled brake or clutch. C. D. Schmidt. 1,513,864; Nov. 4.
Aircraft, Method and device to use multiplied pressures for automatic altitude adjustments for. S. W. Sparrow. 1,513,870; Nov. 4.
Aircraft, Smoke luminous or other trail from. J. C. Savage. 1,514,106; Nov. 4.
Air heater. A. Russo. 1,514,105; Nov. 4.
Air moistener. D. L. Newcomer. 1,514,564; Nov. 4.
Alloy. C. G. Fink. 1,513,806; Nov. 4.
Alloy intended for castings. A. J. Mandell. 1,514,064; Nov. 4.
Alternator for supplying tube transmitters, Controlling. W. Schaffer. 1,514,231; Nov. 4.
Amorphous product and making same. C. Ellis. 1,514,508; Nov. 4.
Amplifier. V. A. Bacevitz. 1,514,123; Nov. 4.
Amusement device. E. Hardy. 1,514,316; Nov. 4.
Anesthetic compound. R. Adams, R. L. Jenkins, and E. H. Volwiler. 1,513,730; Nov. 4.
Angle gauge. F. Frederickson and D. E. Tischer. 1,514,452; Nov. 4.
Animal catcher. W. Burmeister. 1,514,429; Nov. 4.
Annealing box for lenses or the like. P. Archer. 1,514,122; Nov. 4.
Antiskid device. C. B. McDowell. 1,514,553; Nov. 4.
Antiskid device. J. Reichert. 1,514,261; Nov. 4.
Apparatus for mixing materials. L. H. Elchberger. 1,513,975; Nov. 4.
Arch cushion. J. P. W. Schopf. 1,514,468; Nov. 4.
Armor. Bulletproof. B. Spooner. 1,513,766; Nov. 4.
Artificial resinous body. F. D. Crane. 1,513,802; Nov. 4.
Asphalt distributor. J. F. Moore. 1,514,500; Nov. 4.
Asphalt heater. P. F. Fellmann. 1,514,252; Nov. 4.
Atomizer. Liquid. T. J. Holmes. 1,514,084; Nov. 4.
Auto brake. C. C. Cochran. 1,514,438; Nov. 4.
Auto luggage carrier. E. Sheer. 1,515,940; Nov. 4.
Automatic machines, Stroke-limiting device for. J. F. Mirreles. 1,513,846; Nov. 4.
Automobile agricultural machine. R. Bernstein. 1,514,075; Nov. 4.
Automobile bumper. C. G. L. 1,514,380; Nov. 4.
Automobile bumper. L. Schelnesohn. 1,513,788; Nov. 4.
Automobile glare shield. G. L. Lamb. 1,514,541; Nov. 4.
Automobile signal. S. Kobzy. 1,514,534; Nov. 4.
Automobile starting-crank safety device. B. Frank. 1,514,041; Nov. 4.
Automobile theft indicator. D. and O. J. Reiser. 1,514,339; Nov. 4.
Automobile traffic signal. A. Coviello. 1,514,134; Nov. 4.
Automobiles, etc., Top for. L. E. Shaw. 1,513,790; Nov. 4.
Automobiles, Reserve-oil tank for. A. O. Murdock. 1,514,255; Nov. 4.
Automobiles, Sectional radiator for. G. Rossi. 1,514,463; Nov. 4.
Autosleigh. P. P. Leow. 1,514,294; Nov. 4.
Back and head rest, Foldable. J. P. Davenport. 1,514,202; Nov. 4.
Badge. H. O. Bumiller. Des. 65,898; Nov. 4.
Bag. See—
Hand bag.
Bags or pouches, Self-closing mouthpiece for. W. E. Sheridan. 1,513,866; Nov. 4.
Ball. See—
Return ball.
Ball tube mill. A. H. Apted. 1,513,962; Nov. 4.
Ballot box. H. Westrud. Des. 65,942; Nov. 4.
Bank. Coin. E. C. Whalen and E. W. McClure. 1,514,277; Nov. 4.
Bar. See—
Grate bar.
Bathing attire. A. Meffert. 1,513,843; Nov. 4.

Bathing tubs, Flow-off and overflow device for. G. Miller. 1,514,563; Nov. 4.
Bathroom fixture, Combination. S. D. Baker. Des. 65,891-2; Nov. 4.
Battery. See—
Storage battery.
Batteries, Terminal connection for charging storage. C. F. Duchanols. 1,514,444; Nov. 4.
Bearing-box construction, Adjustable. J. A. Anderson. 1,514,121; Nov. 4.
Bearing cage, Roller. W. G. Kifer. 1,513,999; Nov. 4.
Bed extension. B. H. Edwards. 1,514,447; Nov. 4.
Bedsprings, Device for use in. T. K. Cummins. 1,514,035; Nov. 4.
Beef-skinning machine. G. F. Ruffing. 1,514,104; Nov. 4.
Beet-digging device. J. W. Little. 1,513,833; Nov. 4.
Beet-topping machine. R. Bohman. 1,513,737; Nov. 4.
Bending tool. A. Stensrud. 1,514,025; Nov. 4.
Beverages, Machine for furnishing fruit-juice. W. Noble. 1,514,094; Nov. 4.
Binder, Load. E. C. Stacy. 1,514,023-4; Nov. 4.
Binocular. P. J. Berggren. 1,514,419; Nov. 4.
Bit and underreamer, Combination. S. Hancock. 1,514,156; Nov. 4.
Bitumen and crude oil from tar sand, oil sand, bituminous sandstone, shales, and the like, Apparatus for recovering. A. F. Kelsey. 1,514,162; Nov. 4.
Bleaching or stain-removing composition and method. R. A. Phair. 1,514,068; Nov. 4.
Bleeding device and tubing jar. A. J. Barnhart and C. N. Trimmell. 1,513,955; Nov. 4.
Bloomers. B. Dolan. 1,513,750; Nov. 4.
Board. See—
Wall board.
Wringer drip board.
Boiler furnace. G. S. Kent. 1,514,163; Nov. 4.
Bolt-weevil destroyer. S. Colson. 1,514,372; Nov. 4.
Bolster stake. J. H. Anderson. 1,514,308; Nov. 4.
Book, Check. A. B. Lewis. 1,514,003; Nov. 4.
Books, Triplicate sales. E. L. Mooney. 1,514,300; Nov. 4.
Boots and shoes, Machine for forming or shaping the uppers of. M. Brock. 1,513,961; Nov. 4.
Boring machine. G. R. Adams. 1,514,072; Nov. 4.
Bottle cap, Milk. F. C. Whippley. 1,514,489; Nov. 4.
Bottle-capping machine. G. A. Williams. 1,514,239; Nov. 4.
Bottles, Cap for milk. C. W. Bissell. 1,513,959; Nov. 4.
Bottles, preserve glasses, and the like, Closing device for. C. A. Rappenecker. 1,514,337; Nov. 4.
Box. See—
Money box.
Sash-weight box.
Boxer's protector. M. Golomb. 1,514,516; Nov. 4.
Brace. See—
Fender brace.
Brace. W. C. Burrell. 1,514,577; Nov. 4.
Brace and sweep, Adjustable. C. M. Taylor. 1,514,481; Nov. 4.
Brake. See—
Auto brake.
Brake construction. G. W. Carlson. 1,514,077; Nov. 4.
Brake linings, Device for applying. C. Frizzell. 1,514,149; Nov. 4.
Brassiere. S. T. Metz. 1,514,218; Nov. 4.
Bread cutter. H. C. Greenbrook. 1,513,983; Nov. 4.
Bridgework attachment, Removable. I. Stern. 1,514,267; Nov. 4.
Bromine, Extracting. C. W. Jones. 1,513,821; Nov. 4.
Brush. C. A. Don. 1,513,896; Nov. 4.
Buckle. G. E. Prentice. 1,514,227; Nov. 4.
Buckle for baling cotton. R. L. Horsley. 1,513,992; Nov. 4.
Buffer, Manicurist's. M. E. McAuliffe. 1,513,838; Nov. 4.
Building construction. C. Steimbrenner. 1,514,398; Nov. 4.
Bumper-bar clamp. R. B. Fageol. 1,514,144; Nov. 4.
Bumper-clamping device. H. S. Jandus. 1,513,817; Nov. 4.
Bumper-supporting means. C. G. L. 1,513,808; Nov. 4.
Bumper, Vehicle. A. E. and C. H. Homan and O. Douth. 1,513,991; Nov. 4.
Burner. See—
Oil burner.
Buttons and grouping the same. N. Sparer and M. Halperson. 1,513,860; Nov. 4.
Cabinet, Dispensing. C. Arelt. 1,513,792; Nov. 4.
Cabinet, Towel. T. D. O'Brien. 1,514,393; Nov. 4.

ALPHABETICAL LIST OF INVENTIONS.

XXXI

Cabinet, Towel. F. M. Steiner. 1,514,399-400; Nov. 4.
Cabinet, Towel. G. A. Steiner. 1,514,401; Nov. 4.
Cabinets, Adjustable measuring device for towel. G. A. Steiner. 1,514,402; Nov. 4.
Cable connector. G. C. Thomas, Jr. 1,514,408; Nov. 4.
Cable layer, Field. A. Seldler. 1,513,937; Nov. 4.
Calcium arsenate, Producing. S. S. Sadtler. 1,513,934; Nov. 4.
Callipers. K. Kissendorfer. 1,514,532; Nov. 4.
Camera attachment. R. E. Saeger. 1,514,014; Nov. 4.
Cameras, Flash lamp for. R. E. Froelich. 1,513,980; Nov. 4.
Can. See—
Oil can.
Can opener. M. Lutenberger. 1,514,164; Nov. 4.
Candelabrum. J. W. Hicks. Des. 65,914; Nov. 4.
Candles, tapers, and the like and to an apparatus for carrying out such process, Manufacture of. E. Burian. 1,514,190; Nov. 4.
Cannula. F. C. Atwood. 1,513,953; Nov. 4.
Cant hook. H. D. Swain. 1,514,478; Nov. 4.
Caoutchouc and product obtained thereby, Vulcanizing. L. B. Seibrell. 1,514,571; Nov. 4.
Car-brake-operating mechanism. W. D. Brewster. 1,513,888; Nov. 4.
Car, Convertible freight. J. C. Hester. 1,514,211; Nov. 4.
Car-door-locking device. W. F. Creman and W. M. Bosworth. 1,514,312; Nov. 4.
Car float and cargo barge, Nonsinkable. M. Koppe. 1,514,001; Nov. 4.
Cars, Hand brake for railway. H. Barnard and S. F. Beasley. 1,513,954; Nov. 4.
Cars, Upper buffer arrangement for railway. G. E. Coutant. 1,514,373; Nov. 4.
Carburetor. W. A. Helde. 1,514,217; Nov. 4.
Card-feed mechanism, Throat knife for. H. P. Still. 1,514,110; Nov. 4.
Card rack. G. B. Corrie. 1,514,579; Nov. 4.
Carrier. See—
Auto luggage carrier. Grain carrier.
Egg carrier.
Carving fork. G. H. Street. 1,514,477; Nov. 4.
Case. See—
Eyeglass case. Shipping case.
Cases, Means for use in stacking. A. J. Fisher. 1,514,512; Nov. 4.
Casing and pipe machine. A. H. Brandon. 1,514,195; Nov. 4.
Casting machine. A. F. Howe. 1,514,213; Nov. 4.
Casting machine, Centrifugal. W. T. Junney. 1,514,319-20; Nov. 4.
Casting, Method and apparatus for. L. J. Kemp. 1,514,530; Nov. 4.
Casting, Rotary. D. S. de Lavaud. 1,513,747; Nov. 4.
Cedar chest. E. Roos. 1,514,344; Nov. 4.
Cellulose acetate, Manufacturing. W. R. Webb. 1,514,274; Nov. 4.
Chain link. D. Adams. 1,513,729; Nov. 4.
Charm construction. K. L. F. Poyton. 1,514,397; Nov. 4.
Chest. See—
Cedar chest.
Chocolate-drop confection. W. A. Schall. Des. 65,933; Nov. 4.
Cigar lighter. C. W. Mabey. 1,514,582; Nov. 4.
Cigar mold. C. J. Du Brul. 1,514,142; Nov. 4.
Cigarette holder. A. A. Solberg. 1,514,471; Nov. 4.
Cinematographic pictures, Method and device for taking. A. v. Kothle. 1,514,069; Nov. 4.
Circuit breaker, Automatic. M. Hertz. 1,514,383; Nov. 4.
Circuit-continuing device. H. A. Douglas. 1,514,314; Nov. 4.
Cistern, Flushing. C. E., J. F., and C. N. Page. 1,514,568; Nov. 4.
Clamp. See—
Bumper-bar clamp. Saw clamp.
Hose clamp.
Clasp. See—
Garter clasp.
Clasp for scarfs, neckties, and the like. A. W. Kapfer. 1,513,998; Nov. 4.
Cleaning and polishing compound. E. M. Smith. 1,514,235; Nov. 4.
Clicking machines and the like, Cutting block for. F. A. Shea. 1,513,938; Nov. 4.
Clothesline. I. H. Justice. 1,514,161; Nov. 4.
Clothesline pole. G. E. Hoover. 1,514,388; Nov. 4.
Clutch and brake operating mechanism. A. J. Hiern. 1,513,905; Nov. 4.
Coal and rock mining machine, Mechanical. A. Linne-mann. 1,514,058; Nov. 4.
Coat. T. Davis. Des. 65,902; Nov. 4.
Coating composition. F. J. Baumgardner. 1,513,794; Nov. 4.
Coating material and process and apparatus for the manufacture thereof. M. Prelas. 1,514,226; Nov. 4.
Coil structure, Variable. A. A. Kent. 1,514,322; Nov. 4.
Collar. T. Mogensen. 1,514,558; Nov. 4.
Collar, Soft turndown. D. B. Becker. 1,514,031; Nov. 4.
Comb. A. F. Fenster. 1,514,451; Nov. 4.
Commutator. W. H. Jeffery. 1,514,321; Nov. 4.

Concrete building construction. F. R. Hahn. 1,514,081; Nov. 4.
Concrete construction. W. J. Dvorak. 1,514,143; Nov. 4.
Concrete pavers, Loading skip for. G. E. Blood. 1,514,032; Nov. 4.
Concrete products by vibratory means, Forming. E. M. Camp. 1,513,801; Nov. 4.
Concrete work, Mold form for. N. F. Ambursen. 1,514,245; Nov. 4.
Condenser. A. A. Kramer and C. E. Chapman. 1,514,536; Nov. 4.
Condenser. J. F. Lindberg. 1,514,295; Nov. 4.
Condenser, Electric. H. A. Bremer. 1,514,369; Nov. 4.
Condenser systems, Safety shut-off valve for. J. F. Grace. 1,513,982; Nov. 4.
Condiment jar, Rack or holder for. A. C. Crimmel. 1,514,375; Nov. 4.
Conductor, Armored. H. G. Knoderer. 1,514,292; Nov. 4.
Confection-making apparatus. C. B. Telling. 1,513,772; Nov. 4.
Controlling mechanism. D. V. Stewart. 1,514,268; Nov. 4.
Conveyer. G. Lufkin. 1,513,837; Nov. 4.
Conveying mechanism. F. B. Crosby. 1,514,137; Nov. 4.
Cooling systems, Auxiliary apparatus for. W. R. Smith. 1,513,942; Nov. 4.
Cord adjuster, Automatic. A. J. Lang. 1,514,544; Nov. 4.
Cord winder. E. J. Hugo. 1,513,994; Nov. 4.
Corn-binder attachment. A. Riehl. 1,514,304; Nov. 4.
Cotton-pin extractor. F. W. Wilder. 1,514,117; Nov. 4.
Cotton, Buckle for baling. R. L. Horsley. 1,513,992; Nov. 4.
Cotton-cleaning machine. V. Harlan. 1,514,044; Nov. 4.
Coupling. See—
Joint coupling.
Counting and embossing machine. J. H. Bartels. 1,514,191; Nov. 4.
Coupling. R. M. and C. A. Willis. 1,514,358; Nov. 4.
Coupling and shock absorber, Flexible. J. Stephenson. 1,513,944; Nov. 4.
Covers, Device for preventing the unauthorized removal of. A. Drechlinger. 1,514,507; Nov. 4.
Crank, Safety. E. E. and V. Neldner. 1,514,223; Nov. 4.
Cream, Dispensing device for shaving. L. R. O'Neill. 1,514,567; Nov. 4.
Crib. G. P. Spady. 1,514,472; Nov. 4.
Crossing signal. W. H. Hillhouse. 1,513,814; Nov. 4.
Crusher. P. Phelps. 1,513,855; Nov. 4.
Crust buster, Three-row. G. D. Fentiman. 1,514,510; Nov. 4.
Cuff link. J. Tannenbaum. 1,513,771; Nov. 4.
Cultivator. J. S. Reynolds. 1,514,461; Nov. 4.
Cultivator fender. R. M. Johnston. 1,514,050; Nov. 4.
Curtain-rod bracket. H. T. Barnwell. Des. 65,893; Nov. 4.
Cushion. See—
Arch cushion. Ear cushion.
Cutter. See—
Bread cutter. Vegetable cutter.
Cutter. J. W. Rieger. 1,513,861; Nov. 4.
Cutter-grinding attachment. F. Müller. 1,514,392; Nov. 4.
Cutting and grinding device, such as food choppers. A. Tilden. 1,514,271; Nov. 4.
Cutting machine, Stock. E. E. Winklev. 1,513,779; Nov. 4.
Cutting plates of food choppers, Adjusting device for the. A. Tilden. 1,514,272; Nov. 4.
Cutting tool for working metal, circular saws, and the like, Rotating. F. Rambuscheck. 1,514,012; Nov. 4.
Damper. T. H. Conway, sr. 1,514,201; Nov. 4.
Danger signal. J. F. Smiley. 1,513,867; Nov. 4.
Dentifrice-dispensing device. O. R. Sharpe. 1,514,018; Nov. 4.
Deoxidizing and cleaning metals and alloys. B. O. Henning. 1,513,989; Nov. 4.
Deposit and collection receptacle. C. F. Fisher. 1,514,146; Nov. 4.
Detecting device, Foreign-potential. W. H. Martin. 1,513,760; Nov. 4.
Diaphragm and making same. J. M. Taylor. 1,514,406; Nov. 4.
Direction indicator. F. A. Uhl. 1,514,409; Nov. 4.
Discharge device. R. E. Baker. A. F. Cummins, and E. H. Ford. 1,514,362; Nov. 4.
Disk wheel. A. J. Charlton. 1,513,742; Nov. 4.
Disk wheel. A. L. Putnam. 1,513,859; Nov. 4.
Dispensing cabinet for soft drinks. H. M. Norwood. 1,513,926; Nov. 4.
Display and vending apparatus. E. Brunhoff. 1,514,502; Nov. 4.
Display apparatus, Refrigerating. E. A. Burrows. 1,514,128; Nov. 4.
Display device. C. S. Hulett. 1,514,527; Nov. 4.
Display stand. H. C. Lawson. 1,514,055; Nov. 4.
Documents, Printing. W. J. Murray. 1,514,222; Nov. 4.
Door constructions. A. H. Dodge. 1,514,140; Nov. 4.
Door lock. F. Brabson. 1,513,797; Nov. 4.
Door lock. N. B. Hurd. 1,514,528; Nov. 4.
Door-operating device. C. L. Gehrich. 1,514,079; Nov. 4.
Door-supporting members, Operating and locking device for. G. A. Suckfield. 1,514,404; Nov. 4.

Dough elevator. F. H. Van Houten. 1,514,185; Nov. 4.
 Draft arm. H. E. Bartsch. 1,513,950; Nov. 4.
 Draft in chimneys, smoke flues, or other similar appliances. Device for automatically regulating the. C. Anschütz. 1,514,028; Nov. 4.
 Drawer and wardrobe lock. G. Dora. 1,514,141; Nov. 4.
 Dress. Child's. T. Davis. Des. 65,904; Nov. 4.
 Dress form. J. C. Jankus. 1,514,086; Nov. 4.
 Dress. One-piece. T. Davis. Des. 65,903; Nov. 4.
 Drier. T. H. Rhoads. 1,513,932; Nov. 4.
 Drill-head-hammering device. Y. Yamanouchi and K. Hirabara. 1,514,498; Nov. 4.
 Drill press. Portable. B. Rose. 1,513,786; Nov. 4.
 Drive mechanism. O. Lundberg. 1,514,550; Nov. 4.
 Driving connection. H. J. Himes. 1,514,522; Nov. 4.
 Drying apparatus. B. S. Snow. 1,514,265; Nov. 4.
 Dye and making same. Green vat. P. Nawlasky. 1,513,861; Nov. 4.
 Dynamo regulator. F. H. Bullinger. 1,513,802; Nov. 4.
 Ear cushion. H. Gernsback. 1,514,152; Nov. 4.
 Earth for plant beds. Apparatus for burning. R. A. Tapp. 1,514,480; Nov. 4.
 Egg-candling device. T. Grubb. 1,514,281; Nov. 4.
 Egg carrier. E. Fisher. 1,514,147; Nov. 4.
 Electric furnace. E. A. A. Grönwall. 1,513,754; Nov. 4.
 Electric furnace of the resistor type. H. Bryan, A. L. Mehring, and W. H. Ross. 1,513,890; Nov. 4.
 Electric generating apparatus and method. C. W. Miles. 1,514,093; Nov. 4.
 Electric heater. L. P. Hynes. 1,514,287; Nov. 4.
 Electric heater. H. Price. 1,514,228; Nov. 4.
 Electric heating coil. L. R. Oakes. 1,513,927; Nov. 4.
 Electric jack. W. R. G. Alters. 1,514,120; Nov. 4.
 Electric light fixture. C. C. Severin. Des. 65,932; Nov. 4.
 Electric switch. W. H. Harrington. 1,514,458; Nov. 4.
 Electrical apparatus. J. S. Smyser. 1,514,591-2; Nov. 4.
 Electrical-circuit control. W. B. Kennedy. 1,514,088; Nov. 4.
 Electrical conduit. W. H. Friedrich. 1,514,042; Nov. 4.
 Electrical connections. Attaching plug for making. H. J. John. 1,513,819; Nov. 4.
 Electrical ignition apparatus. B. Ames. 1,513,877; Nov. 4.
 Electrical relay. F. Bergmann. 1,513,958; Nov. 4.
 Electrical switch. W. F. Fulton. 1,513,901; Nov. 4.
 Electrical testing device. J. H. Meehan. 1,514,555; Nov. 4.
 Electrically-heated roller. L. P. Hynes. 1,514,288; Nov. 4.
 Electrode structure and manufacturing same. W. C. Allan. 1,513,728; Nov. 4.
 Elevator. See—
 Dough elevator.
 Elevator. S. Lankheet. 1,514,545; Nov. 4.
 Elevators. Safety locking device for. D. A. Sanford. 1,514,015-16; Nov. 4.
 Emergency wheel and nonskidding device. Combination. K. Busch. 1,514,431; Nov. 4.
 Engine. See—
 Fluid-pressure engine. Steam engine.
 Internal-combustion engine.
 Engine. W. A. Newman. 1,514,331; Nov. 4.
 Engine. F. W. Severin. 1,514,284; Nov. 4.
 Engine connecting rod. A. Sheffield, Jr. 1,514,306; Nov. 4.
 Engine-stopping device. R. Hildebrand. 1,514,285; Nov. 4.
 Engines. Air valve for internal-combustion. G. E. Ingram. 1,513,997; Nov. 4.
 Engines. Runner for rotary. F. Lawaczek. 1,514,293; Nov. 4.
 Engines. Temperature-indicating means for internal-combustion. H. H. Frey. 1,513,979; Nov. 4.
 Envelope. Extension. J. E. Clough. 1,514,371; Nov. 4.
 Envelope-feeding mechanism. C. L. Post. 1,513,858; Nov. 4.
 Exhaust trap. A. J. Culp. 1,514,441; Nov. 4.
 Expanded-metal machine. J. Manofsky. 1,514,297; Nov. 4.
 Extractor. See—
 Cotton-pin extractor.
 Eyeglass case. J. C. Wells. 1,513,776; Nov. 4.
 Eyeglass guard. W. H. Bontelle. 1,513,795; Nov. 4.
 Eye protector. J. Sutton. 1,514,111; Nov. 4.
 Fabrics. Apparatus for coating and drying. P. S. Smith. 1,514,470; Nov. 4.
 Fan-operating means. A. A. Baroody. 1,514,417; Nov. 4.
 Fan wheel and making same. W. A. Rowe. 1,513,763; Nov. 4.
 Fastener. F. S. Carr. 1,513,963; Nov. 4.
 Fastener. M. E. Carr. 1,514,578; Nov. 4.
 Fastening device particularly applicable to electrical apparatus. Interlocked. H. J. Fisher and J. Milroy. 1,514,378; Nov. 4.
 Faucet and stopper for containers. Combined. P. E. Kopp. 1,513,914; Nov. 4.
 Faucet. Period. E. M. La Casse. 1,513,830; Nov. 4.
 Feeder roll. H. B. Conklin. 1,514,505; Nov. 4.
 Feed-water regulator. Automatic. S. L. Marple. 1,513,759; Nov. 4.
 Fender. See—
 Cultivator fender.
 Fender brace. Rear. A. R. Groff. 1,514,208; Nov. 4.

Fiber-drying machine. Textile. J. F. White. 1,514,400; Nov. 4.
 Filling and measuring machine. C. F. York. 1,514,350; Nov. 4.
 Film container. A. D. Ray. 1,513,930; Nov. 4.
 Film-making process. J. H. Haste. 1,514,283; Nov. 4.
 Finger ring. J. N. Cohen. Des. 65,899; Nov. 4.
 Finger ring. H. Dubiner. Des. 65,906; Nov. 4.
 Fireproof protection leggings. J. Seasholtz and M. Bilancia. 1,513,936; Nov. 4.
 Fire wall. Crashproof. G. W. Burke, Jr. 1,514,428; Nov. 4.
 Fishing reel. J. C. Coleman. 1,513,893; Nov. 4.
 Flash light. W. F. Hendry. Des. 65,913; Nov. 4.
 Floating riddle. C. E. Wyman. 1,513,780; Nov. 4.
 Floral support. P. D. MacDonald. 1,513,841; Nov. 4.
 Flour duster. F. H. Van Houten. 1,514,186; Nov. 4.
 Fluid-pressure engine. J. Meredith. 1,514,299; Nov. 4.
 Flying machine more particularly applicable to fighting machines. G. Delage. 1,514,139; Nov. 4.
 Food container. P. W. Fleischer. 1,514,379; Nov. 4.
 Food molder. Conted. B. H. Yates. 1,513,781; Nov. 4.
 Forging and similar operation. Press. G. H. Phelps and T. E. Murray, Jr. 1,514,335; Nov. 4.
 Fork. See—
 Curving fork.
 Fountain feed. C. L. Post. 1,513,857; Nov. 4.
 Fuel and preparing the same. D. T. Day. 1,513,746; Nov. 4.
 Fuel economizer. G. E. Ingram. 1,513,990; Nov. 4.
 Fur cutters' use. Air-blowing device for. A. Goldsnyder and S. Goldstein. 1,514,515; Nov. 4.
 Furnace. See—
 Boiler furnace. Glass-tank furnace.
 Furnace. C. J. Ringstrom. 1,514,342; Nov. 4.
 Furnaces. Burner structure for. A. Jones. 1,514,214; Nov. 4.
 Furnaces. Structure and operation of heating. R. B. Kernohan, J. S. Lockhead, and W. Trinks. 1,513,828; Nov. 4.
 Fuse. Cartridge. H. T. Bussmann. 1,514,199; Nov. 4.
 Fuse. Electric. H. T. Bussmann. 1,514,198; Nov. 4.
 Fuse plug. Magazine. J. Szykier. 1,514,479; Nov. 4.
 Game. E. H. Crandall. 1,513,968; Nov. 4.
 Game. E. Kohler. 1,514,089; Nov. 4.
 Game. A. A. Rees. 1,514,260; Nov. 4.
 Game. T. H. Smith. 1,513,941; Nov. 4.
 Game apparatus. W. W. Grieb. 1,514,382; Nov. 4.
 Game device. H. J. Traubel. 1,514,355; Nov. 4.
 Garment. Apparel. W. Kops. 1,514,325; Nov. 4.
 Garment hanger. A. M. Thompson. 1,514,483; Nov. 4.
 Garments. Lay figure for displaying. R. Belling. 1,513,884; Nov. 4.
 Garments. Slide for. A. Montan. 1,513,847; Nov. 4.
 Garter. J. C. Sanders. 1,513,764; Nov. 4.
 Garter clasp. W. W. Cram. 1,514,440; Nov. 4.
 Gasoline-fuel mixer. W. C. Cortelyou. 1,514,132; Nov. 4.
 Gasket-spinning machine. M. Matheson. 1,514,328; Nov. 4.
 Gasoline tank. Detachable. A. V. Verville. 1,514,410; Nov. 4.
 Gate. G. Newland. 1,514,256; Nov. 4.
 Gate opening, closing, and latching mechanism. C. P. Johnson. 1,514,087; Nov. 4.
 Gauge. See—
 Angle gauge. Plug gauge.
 Liquid-level gauge. Precision gauge.
 Gauge and outlet. Combined. G. E. Hazard and H. F. Roe. 1,514,520; Nov. 4.
 Gear. Brake. V. Lancia. 1,514,054; Nov. 4.
 Gear cutting. Worm hob for. M. U. Ramsay and D. M. Moeglen. 1,514,172; Nov. 4.
 Gear driving mechanism. J. G. Vincent. 1,513,945; Nov. 4.
 Gearing. Worm. E. Wildhaber. 1,514,491; Nov. 4.
 Generator. See—
 Acetylene generator.
 Glass and composition therefor. R. J. Montgomery. 1,513,923; Nov. 4.
 Glass. Apparatus for inspecting plate. H. F. Hiltner. 1,514,386; Nov. 4.
 Glass blowing and trimming machine. R. F. Hancock. 1,513,756; Nov. 4.
 Glass-delivering apparatus. W. H. Honiss. 1,514,526; Nov. 4.
 Glass. Edge-holding device for sheet. J. H. Redshaw. 1,514,338; Nov. 4.
 Glass into mold charges. Apparatus for separating molten. W. A. Lorenz. 1,514,059; Nov. 4.
 Glass. Method and apparatus for blowing molten. C. R. Lott. 1,514,091; Nov. 4.
 Glass-rolling pallet. H. F. Anderson. 1,513,731; Nov. 4.
 Glass-tank furnace. Water-cooled. A. Shuman. 1,514,307; Nov. 4.
 Golf-ball holder. J. W. Johnston. 1,514,529; Nov. 4.
 Golf-score card. F. L. MacDonald. 1,514,254; Nov. 4.
 Gong-striking apparatus. G. L. Smith. 1,514,574; Nov. 4.
 Goods, prices, etc., indicator. J. B. Ruettimann. 1,514,588; Nov. 4.
 Grab on single wire. E. Kjade. 1,514,000; Nov. 4.
 Grain carrier. E. Coburn. 1,514,131; Nov. 4.
 Grate bar. Pinhole. J. L. Nute. 1,514,171; Nov. 4.

Grease measuring and dispensing device. Pneumatically-operated. R. Callahan and S. L. Rouleau. 1,513,962; Nov. 4.
 Grinding wheels. Shaper for. B. M. W. Hanson. 1,513,758; Nov. 4.
 Grinding wheels. Shaping mechanism for. B. M. W. Hanson. 1,513,757; Nov. 4.
 Gun construction. Apparatus for assembling tubes and liners in. R. C. Morgan and J. F. Pelly. 1,514,168-9; Nov. 4.
 Gun manufacture. Assembling tubes and liners in. R. C. Morgan and J. F. Pelly. 1,514,166-7; Nov. 4.
 Hair drier and comb. J. Wirth. 1,514,495; Nov. 4.
 Hair-waving method and preparation. Permanent. L. McQuillan. 1,513,918; Nov. 4.
 Hair-waving tube. L. McQuillan. 1,513,919; Nov. 4.
 Hand bag. W. N. Hunter. 1,513,909; Nov. 4.
 Handle. See—
 Hatchet handle.
 Hanger. See—
 Garment hanger. Pipe hanger.
 Hap and latch. Combined reversible. R. A. Wakefield. 1,514,114; Nov. 4.
 Hat. C. M. Thallmer. 1,514,407; Nov. 4.
 Head covering. F. Owens. 1,514,258; Nov. 4.
 Headlight control. C. W. Hall and H. E. De Jarnette. 1,514,155; Nov. 4.
 Headlight for automobiles. Dirigible. L. M. and W. I. Bluel. 1,513,736; Nov. 4.
 Headlight for motor vehicles. C. F. Young. 1,514,242; Nov. 4.
 Headlights. Antiglare device for. A. Moore. 1,513,848; Nov. 4.
 Headlights. Reflector for use in. F. W. Lyle and J. N. Tuttle. 1,514,551; Nov. 4.
 Heater. See—
 Air heater. Manifold heater.
 Asphalt heater. Water heater.
 Electric heater.
 Heater. C. E. Chapman. 1,514,434; Nov. 4.
 Heater construction. F. A. Nieberding. 1,514,332; Nov. 4.
 Heater control. S. W. Huff and W. J. Quinn. 1,514,085; Nov. 4.
 Heating apparatus. C. F. York. 1,514,360; Nov. 4.
 Heating device. Steam. A. C. Freeman, Jr. 1,514,453; Nov. 4.
 Heel-assembling machine. J. F. Standish. 1,513,767; Nov. 4.
 Heel-blank holder. Wood. H. W. Russ. 1,514,174; Nov. 4.
 Heel, Spring. A. Hajdöczy and E. Sakacs. 1,514,154; Nov. 4.
 Heels. Method of and machine for shaping. F. A. Eich. 1,513,804; Nov. 4.
 Helicopter. R. B. Hinkley. 1,514,046; Nov. 4.
 High-frequency composite set. H. S. Osborne. 1,513,761; Nov. 4.
 Hinge structure. F. Reutter. 1,513,560; Nov. 4.
 Holding device. Electric. B. Bomborn. 1,513,738; Nov. 4.
 Hole for putting greens. Imitation. E. M. Long. 1,513,917; Nov. 4.
 Hollow articles. Drying. E. B. Ayres. 1,513,881; Nov. 4.
 Hook. See—
 Cant hook.
 Horn. Loud-speaker. W. A. Darrah. Des. 65,901; Nov. 4.
 Horse. Mechanical. J. L. Sikora. 1,514,350; Nov. 4.
 Horseshoe-making machine. M. Barré. 1,514,073; Nov. 4.
 Hose clamp. P. H. Wilkinson. 1,514,411-12; Nov. 4.
 Hydrocarbon motor. J. G. Vincent. 1,513,946; Nov. 4.
 Ice cakes. Upending device for. H. Gory. 1,514,207; Nov. 4.
 Ice-harvesting machine. H. Meier. 1,514,298; Nov. 4.
 Illuminating structure. Wall. L. M. Riddle. 1,513,933; Nov. 4.
 Index tab. J. H. Rand. 1,513,929; Nov. 4.
 Indicator. See—
 Automobile theft indicator. Goods, prices, etc., indicator.
 Direction indicator.
 Inductive coupling device. S. Ballantine. 1,514,416; Nov. 4.
 Ingots. Production of hollow. F. E. Clark. 1,514,129; Nov. 4.
 Insect exterminator. P. R. Sledge. 1,514,020; Nov. 4.
 Insecticidal compound. H. W. Dow and W. J. Hale. 1,514,377; Nov. 4.
 Insecticide. M. Y. Seaton. 1,514,348; Nov. 4.
 Internal-combustion engine. E. R. Burnett. 1,514,197; Nov. 4.
 Internal-combustion engine. F. B. Girvin. 1,514,280; Nov. 4.
 Internal-combustion engine. C. W. Keller and L. H. Cannon. 1,513,911; Nov. 4.
 Internal-combustion engine. W. J. Still. 1,514,475; Nov. 4.
 Internal-combustion engine. Two-stroke. J. Leroy. 1,514,057; Nov. 4.
 Internal-combustion engine. Two-stroke. W. J. Still. 1,514,476; Nov. 4.

Internal-combustion motor. V. W. Page. 1,514,066; Nov. 4.
 Iron. See—
 Smoothing iron. Soldering iron.
 Iron. Heat treatment of. A. K. Schaap. 1,514,070; Nov. 4.
 Irrigation systems. Pipe joint for. W. Krause. 1,514,327; Nov. 4.
 Ivorylike product and making same. Synthetic. C. Ellis. 1,514,509; Nov. 4.
 Jack. See—
 Electric jack. Vehicle jack.
 Mine jack.
 Jack. Q. Bourland. 1,513,886; Nov. 4.
 Jewelry. Safety fastener for. W. A. Baker. 1,514,030; Nov. 4.
 Jewel setter. H. F. Bratz. 1,514,126; Nov. 4.
 Joint. See—
 Universal joint.
 Joint coupling. Swivel. E. C. Whalen and A. G. Gebhart. 1,514,276; Nov. 4.
 Journal and other bearing. H. T. Newbigin. 1,514,583; Nov. 4.
 Keyhole guard. Time-controlled. R. De Vivo. 1,513,895; Nov. 4.
 Kiln. W. E. Wilson and H. G. Lykken. 1,513,778; Nov. 4.
 Kiln. Dry. R. H. Rawson and O. P. M. Goss. 1,514,101; Nov. 4.
 Knitting machine. A. Farland. 1,514,251; Nov. 4.
 Knitting machine. Circular. A. E. Berdon. 1,514,499-500; Nov. 4.
 Knob and dial. Combined. W. J. Murdock. 1,513,925; Nov. 4.
 Lace. C. W. Birkin and E. T. Sands. Des. 65,896-7; Nov. 4.
 Lace. Shoe. J. Staniewicz. 1,513,871; Nov. 4.
 Lady's bag. H. Goldham. Des. 65,910-11; Nov. 4.
 Lamp. F. Torre. Des. 65,935; Nov. 4.
 Lamp. Adjustable. J. F. Courson and P. T. Brendlinger. 1,514,133; Nov. 4.
 Lamp and sound amplifier. Combined. S. Sadler. Des. 65,931; Nov. 4.
 Lamp attachment. H. G. Fitz Gerald. 1,514,205; Nov. 4.
 Lamp lens. Rear. C. H. Muckenhirn. Des. 65,921-2; Nov. 4.
 Lamp shade. A. B. Heath. Des. 65,912; Nov. 4.
 Lamp shade. R. D. White. Des. 65,943; Nov. 4.
 Lamp shade and box or similar article. Combined. A. Kander. Des. 65,915; Nov. 4.
 Lamp standard. J. H. Tigerman. Des. 65,934; Nov. 4.
 Lamps. Circuit-control extension for electric. L. G. Sturdy. 1,513,872; Nov. 4.
 Lamps. Corrugated reflector for automobile. C. A. Michel. 1,513,845; Nov. 4.
 Lamps. Reflector for automobile. C. A. Michel. 1,513,844; Nov. 4.
 Lamps. Repair unit for electric. J. L. Adams. 1,514,413; Nov. 4.
 Last. G. Clausen. 1,514,370; Nov. 4.
 Last. H. W. Lucas. 1,513,836; Nov. 4.
 Lathes. Control system for. H. L. Blood. 1,514,421; Nov. 4.
 Lathes. Extensible headstock center for. F. S. Floeter. 1,513,899; Nov. 4.
 Lead for determining the depth of sea by sound waves. Dropping. B. Settegast and W. Rudolph. 1,514,264; Nov. 4.
 Leer. H. K. Hitchcock. 1,514,385; Nov. 4.
 Lens. A. Warmisham. 1,514,356; Nov. 4.
 Lens-grinding apparatus. K. V. Hill and E. D. Tillyer. 1,513,813; Nov. 4.
 Lens-grinding tools. Machine for forming. C. L. Bausch. 1,513,883; Nov. 4.
 Lens strap. E. L. Schumacher. 1,513,789; Nov. 4.
 Lens-testing instrument. A. E. Maynard. 1,513,842; Nov. 4.
 Lenses. Mounting. W. Taylor and A. Warmisham. 1,514,352; Nov. 4.
 Letter opener. J. C. Kortick. Des. 65,916; Nov. 4.
 Lifter. See—
 Fan lifter.
 Lighting fixture. R. J. Monroe. Des. 65,919-20; Nov. 4.
 Lighting fixture bracket. F. Adamac. Des. 65,890; Nov. 4.
 Lighting fixture part. F. M. Poritz. Des. 65,923; Nov. 4.
 Lightning-rod-point support. E. C. Rea. 1,513,931; Nov. 4.
 Light switch. Stop. E. M. Soreng. 1,513,943; Nov. 4.
 Lining and method. S. B. Waxman. 1,514,594; Nov. 4.
 Liquid dispenser. W. A. Schatz. 1,513,935; Nov. 4.
 Liquid-dispensing device. S. M. Cozad. 1,513,967; Nov. 4.
 Liquid-level gauge. J. L. Nilson and J. Prince. 1,514,565; Nov. 4.
 Liquids of different density. Separator employed for the separation of. W. H. Bateman. 1,513,882; Nov. 4.
 Loading apparatus. G. W. Packer. 1,514,097; Nov. 4.
 Lock. See—
 Door lock. Safety lock.
 Lock attachment. Safe. F. A. Seessengood. 1,514,593; Nov. 4.

Lock mechanism. E. A. Hill. 1,513,904; Nov. 4.
 Locking mechanism. C. F. Rudolph. 1,514,013; Nov. 4.
 Locomotive draft appliance. Von G. Ferguson. 1,514,143; Nov. 4.
 Locomotive draft appliance. D. M. Lewis. 1,513,832; Nov. 4.
 Locomotives, Exhaust mechanism for. J. E. Osmer. 1,514,334; Nov. 4.
 Locomotives, Motor for geared. W. E. Woodard. 1,514,241; Nov. 4.
 Logging apparatus. T. S. Miller and J. H. Dickinson. 1,514,219; Nov. 4.
 Loom. F. G. Hulme. 1,513,908; Nov. 4.
 Looms, Tube frame for Axminster. V. H. Jennings. 1,513,818; Nov. 4.
 Looping machine. F. W. Fleckser. 1,513,898; Nov. 4.
 Lubricant. S. J. Nordstrom. 1,514,095-6; Nov. 4.
 Lubricating device. J. E. Lynch. 1,514,092; Nov. 4.
 Lubricating system. B. C. Smith. 1,513,868; Nov. 4.
 Lubricating system, Crusher. R. C. Newhouse. 1,514,224; Nov. 4.
 Lubricator. C. L. Bubb. 1,513,891; Nov. 4.
 Magnets support and drive. J. C. Towler. 1,513,752; Nov. 4.
 Mail-bag catcher. L. C. Argabright. 1,514,414; Nov. 4.
 Mailing machine. H. C. and H. E. Wing. 1,513,876; Nov. 4.
 Manifold heater, Intake. W. G. Dunn. 1,514,445; Nov. 4.
 Manifold heater, Intake. W. A. Young and G. R. Moore. 1,514,189; Nov. 4.
 Mantle and window assemblage. S. Sanderson. 1,514,465; Nov. 4.
 Material removing and conveying machine. Combined. J. P. Mosler. 1,514,008; Nov. 4.
 Measuring horizontal angles, Instrument for. R. S. Olmsted. 1,514,394; Nov. 4.
 Metallurgical process. W. E. Greenawalt. 1,514,153; Nov. 4.
 Metal-making apparatus, Expanded. E. T. Redding. 1,514,229; Nov. 4.
 Metal manufacture. W. R. Hurd, 2d. 1,513,815; Nov. 4.
 Metal, Melting scrap. E. L. Wilke. 1,513,875; Nov. 4.
 Metal stampings, Mechanism for making laterally-slotted. A. Rose. 1,513,785; Nov. 4.
 Metal, Treating. R. Robinson. 1,514,102; Nov. 4.
 Metals, Melting light. H. Gerdean. 1,514,151; Nov. 4.
 Metals, Unting. A. T. Kasley. 1,513,824; Nov. 4.
 Milk and cream sampling equipment cabinet. O. E. Harris. 1,514,282; Nov. 4.
 Milk cans, Closure arrangement for. E. Menefee. 1,513,921; Nov. 4.
 Mill. See—
 Ball-tube mill. Tube-reducing mill.
 Rolling mill.
 Mill drive, Variable-speed rolling. H. H. Talbot. 1,514,405; Nov. 4.
 Milling machine. T. G. Bray. 1,514,423; Nov. 4.
 Milling machine. J. J. La Duer. 1,514,540; Nov. 4.
 Milling machine, Vertical-spindle. J. J. La Duer. 1,514,539; Nov. 4.
 Mine jack. J. H. Santmyer. 1,514,262; Nov. 4.
 Mining machine. E. J. Doberstein. 1,514,204; Nov. 4.
 Mining machine. M. P. Holmes. 1,514,048; Nov. 4.
 Mining machine. H. R. Straight. 1,514,269; Nov. 4.
 Mirror, Magnifying. R. R. Beatty. 1,513,734; Nov. 4.
 Mitten, Ice. V. Dexheimer. 1,514,203; Nov. 4.
 Mixer. See—
 Gaseous-fuel mixer.
 Mixer. G. C. Truslow. 1,514,484; Nov. 4.
 Mobile electrical machines, Current-supply system for. N. R. Forsblad. 1,514,148; Nov. 4.
 Mold. See—
 Cigar mold.
 Mold. H. L. Keeter. 1,514,053; Nov. 4.
 Molding form. C. and G. C. Kitchen. 1,514,533; Nov. 4.
 Money box. A. C. Scott. 1,514,263; Nov. 4.
 Monogram device. R. E. Tabor and F. D. Ammen. 1,514,184; Nov. 4.
 Monogram-making machine. H. Stenstrom. 1,514,109; Nov. 4.
 Mop. C. Jamonville. 1,514,051; Nov. 4.
 Motor. See—
 Hydrocarbon motor. Speed induction motor.
 Internal-combustion motor. Wave motor.
 Rotary motor.
 Motor control, back-fire trap, and motor lock, Atmospheric. P. L. Cron. 1,514,136; Nov. 4.
 Motor controller. R. Lee. 1,514,546; Nov. 4.
 Motor-spring-handling apparatus. H. R. Kent. 1,513,827; Nov. 4.
 Motor starter, Electric. J. A. Hirst. 1,514,523; Nov. 4.
 Motor-testing device, Spring. G. E. Roedding and F. H. Doerr. 1,514,343; Nov. 4.
 Mowers, Grass catcher for lawn. R. O. Keever. 1,514,290; Nov. 4.
 Musical instrument. R. W. Parr. 1,514,590; Nov. 4.
 Musical instruments, Controlling means for wind. C. O. Widmayer. 1,513,950; Nov. 4.
 Nail-driving machine. J. J. Stepanek. 1,514,403; Nov. 4.
 Neckwear, Adjustable. M. Thrasher. 1,514,354; Nov. 4.
 Net, Collapsible landing. S. H. Higginbotham and H. G. Godley. 1,513,990; Nov. 4.
 Nonskid device. D. M. Driscoll. 1,513,751; Nov. 4.
 Note sheet. G. F. Stoddard. 1,514,575; Nov. 4.

Nuts, Method and apparatus for shelling. D. Tenney. 1,514,237; Nov. 4.
 Oil, Apparatus for the conversion of hydrocarbon. V. L. Emerson. 1,514,040; Nov. 4.
 Oil burner. T. E. Cravens. 1,514,135; Nov. 4.
 Oil burner. G. L. Gould. 1,514,456; Nov. 4.
 Oil burner. F. W. Scheffele. 1,514,175; Nov. 4.
 Oil burner for tobacco barns. J. A. Johnson. 1,513,910; Nov. 4.
 Oil can. J. Schutten. 1,514,107; Nov. 4.
 Oil sands, Removing values from. M. J. Trumble. 1,514,113; Nov. 4.
 Oil-storage tank. J. H. Wiggins. 1,514,110; Nov. 4.
 Oil-treating machine. J. F. Wright. 1,514,118; Nov. 4.
 Oil and liquids, Press for expressing. J. C. Fiddymont. 1,514,278; Nov. 4.
 Oils, Treating petroleum. C. S. Palmer. 1,514,098; Nov. 4.
 Omnibuses, Top for single-deck. A. Gray. 1,514,381; Nov. 4.
 Ophthalmic mounting. W. H. Bouteille. 1,513,796; Nov. 4.
 Ophthalmic mounting. L. Poeton. 1,513,856; Nov. 4.
 Ores, Treating. W. G. Waring. 1,513,775; Nov. 4.
 Ores, Treating oxidized sulphide. E. T. Henderson. 1,513,812; Nov. 4.
 Oven. J. W. Williams. 1,514,027; Nov. 4.
 Ozonizer. F. G. Niece. 1,513,852; Nov. 4.
 Package and preparing such package, Fastener. A. Latham. 1,513,831; Nov. 4.
 Packing, Piston-rod. G. H. Bausman. 1,514,192; Nov. 4.
 Pad. See—
 Shoulder pad.
 Paint, Red-lead. B. Semenza. 1,513,865; Nov. 4.
 Pallet. C. H. Young. 1,514,119; Nov. 4.
 Pan lifter. N. S. Bugg. 1,514,309; Nov. 4.
 Panorama views upon stages, Projecting apparatus for the projection of. G. Dahl. 1,514,128; Nov. 4.
 Paperboard, Method and apparatus for manufacturing coated. C. C. Colbert and G. E. Preston. 1,514,439; Nov. 4.
 Paper cup and blank therefor, Collapsible. P. H. Carr. 1,514,034; Nov. 4.
 Paper, Machine for printing and embossing endless. E. H. Ervin. 1,514,450; Nov. 4.
 Paper-making machine. C. E. Pope. 1,514,011; Nov. 4.
 Paper-making machine, particularly adapted to making tissue and other thin papers. L. E. Milkey. 1,514,556; Nov. 4.
 Paper, Watermarking. G. M. Wallace. 1,514,238; Nov. 4.
 Parking light. A. R. Gross. 1,514,457; Nov. 4.
 Pen. W. M. Harris. 1,514,519; Nov. 4.
 Pen for recording instruments, Fountain. R. P. Brown. 1,513,889; Nov. 4.
 Pen, Fountain. M. R. Crossman. 1,513,894; Nov. 4.
 Pen or the like, Fountain. G. M. Kraker. 1,514,002; Nov. 4.
 Pencils, Calendar attachment for. A. Egger. 1,514,440; Nov. 4.
 Pencils, Knot-tying attachment for. F. S. Peck. 1,514,010; Nov. 4.
 Phenomena, Apparatus for simulating natural. L. McCormick. 1,514,552; Nov. 4.
 Physical exercises, Support of combinations or apparatus destined for. A. Deluca. 1,514,037; Nov. 4.
 Planos, Resonance device for. J. H. Williams. 1,514,493; Nov. 4.
 Picture mechanism, Motion. L. Brown. 1,514,501; Nov. 4.
 Picture-projecting apparatus, Motion. E. Mechau. 1,513,920; Nov. 4.
 Pictures, Optical instrument for taking and projecting. G. Griffith. 1,513,984; Nov. 4.
 Pipe coupling or joint. F. Kaiser. 1,514,052; Nov. 4.
 Pipe hanger. J. Gordon. 1,514,455; Nov. 4.
 Pipe-threading machine. B. Borden. 1,513,730; Nov. 4.
 Pipe wrench. T. L. Landers. 1,514,542; Nov. 4.
 Pipes from their molding presses to the drying room, Transporting clay. A. H. Ooms. 1,514,333; Nov. 4.
 Piston. C. G. Cook. 1,514,506; Nov. 4.
 Piston. S. Smith. 1,514,022; Nov. 4.
 Piston and connecting rod assemblage, Aligning jig for. W. W. Adams. 1,513,951; Nov. 4.
 Piston pump, Oscillating. J. B. Garber. 1,514,150; Nov. 4.
 Pitcher. E. Bell. Des. 65,895; Nov. 4.
 Plant receptacle. L. Klow. 1,513,829; Nov. 4.
 Planter. E. P. Kendall. 1,514,531; Nov. 4.
 Plastic composition and making same. A. M. Mitchell. 1,513,922; Nov. 4.
 Plastic material, Machine for treating and sheeting. F. H. Banbury. 1,513,723; Nov. 4.
 Plate or similar article. C. L. Reizenstein. Des. 65,923-8; Nov. 4.
 Playground ball and producing the same. W. H. Fox. 1,513,753; Nov. 4.
 Plow, Push. C. R. Anderson. 1,514,301; Nov. 4.
 Plug gauge. O. R. Briney. 1,514,250; Nov. 4.
 Pocketbooks and the like, Antitheft attachment for. S. Roemer. 1,513,784; Nov. 4.
 Pool-chalk holder. C. J. Moses and D. Van Blarcom. 1,514,391; Nov. 4.

Porous impregnated fabric. E. Lionne. 1,514,548; Nov. 4.
 Pot chuck. F. S. Floeter. 1,514,580; Nov. 4.
 Pottery trimmer. J. M. MacCarragher and A. Govoni. 1,513,840; Nov. 4.
 Powder container. C. O. Phillips. 1,514,225; Nov. 4.
 Power-applying means. R. D. Eaglesfield. 1,514,448; Nov. 4.
 Power-transmission mechanism. C. W. Darrow. 1,514,442; Nov. 4.
 Power transmitter. P. A. Herr. 1,514,083; Nov. 4.
 Precision gauge. W. E. Hoke. 1,514,525; Nov. 4.
 Press. See—
 Drill press.
 Printing press.
 Pressure-regulating mechanism. F. M. Furber. 1,513,807; Nov. 4.
 Printed fabric. J. Lader. Des. 65,917-18; Nov. 4.
 Printers' rollers and producing the same, Material for making. W. H. and F. J. Baser. 1,514,249; Nov. 4.
 Printing press. C. A. H. Bullock. 1,514,427; Nov. 4.
 Printing press, Rotary multicolor. K. Ichida. 1,514,049; Nov. 4.
 Projectile. T. F. Werme. 1,513,948; Nov. 4.
 Propeller. A. Assala. 1,514,246; Nov. 4.
 Press. J. C. Fiddymont. 1,514,279; Nov. 4.
 Pump. Air. S. Tasky. 1,513,873; Nov. 4.
 Pump, Automatic oil and gas separating. A. M. Chrisman and J. E. Wells. 1,514,200; Nov. 4.
 Pump-lubricating means, Rotary. E. Hill. 1,514,384; Nov. 4.
 Pump plunger, Auto tire. H. Schloemer and H. E. Schudt. 1,514,232; Nov. 4.
 Punch and press. F. Riess. 1,513,782; Nov. 4.
 Push-button-switch construction. K. Knudsen. 1,514,324; Nov. 4.
 Putting green, Indoor. W. S. Flynn and R. H. Fancher. 1,513,978; Nov. 4.
 Quenching apparatus. E. W. Ehn. 1,513,974; Nov. 4.
 Rack. See—
 Card rack.
 Rack. M. Davenport. 1,514,313; Nov. 4.
 Radiator. G. Hofmann. 1,514,047; Nov. 4.
 Radiator tubes, Mechanism for indenting. G. A. Foisy. 1,514,589; Nov. 4.
 Radioreceivers, Cabinet for. R. C. Edwards. Des. 65,907; Nov. 4.
 Radiotelephony. F. M. Doolittle. 1,513,973; Nov. 4.
 Rail bond and making same. H. H. Febrey. 1,513,805; Nov. 4.
 Railway signal system. R. J. Hewett. 1,514,212; Nov. 4.
 Railway signaling system. H. W. Brock. 1,514,127; Nov. 4.
 Railway-switch-operating device. J. Czerniak. 1,514,376; Nov. 4.
 Railway tracks, Stop block and switch for. L. Haasted. 1,514,043; Nov. 4.
 Railway-traffic-controlling apparatus. C. R. Beall. 1,514,247; Nov. 4.
 Railway-traffic-controlling apparatus. C. R. Beall and R. M. Gilson. 1,513,957; Nov. 4.
 Railway-traffic-controlling apparatus. R. A. McCann. 1,514,004; Nov. 4.
 Railways, Stock guard for. B. P. Cobb. 1,514,437; Nov. 4.
 Rake. See—
 Slide-delivery rake.
 Rake. H. G. Kimber. 1,514,201; Nov. 4.
 Ratchet handle. M. D. Riker. 1,513,862; Nov. 4.
 Razors, Blade movement for electric. H. C. Kenney. 1,513,820; Nov. 4.
 Rear-end equipment support. E. S. Miner. 1,514,557; Nov. 4.
 Receptacle closure cap. E. G. Clements. 1,514,130; Nov. 4.
 Receptacle, Lidded. H. Ayliffe. 1,514,029; Nov. 4.
 Receptacles, Closing. A. L. Kronquest. 1,514,538; Nov. 4.
 Record-keeping device. F. A. Ruckman. 1,514,464; Nov. 4.
 Recording instrument. E. Hodgkinson. 1,514,524; Nov. 4.
 Reel. See—
 Fishing reel.
 Refrigerator casing, Domestic. C. F. Gelger and F. C. Geller. Des. 65,909; Nov. 4.
 Register and indicator. W. G. Thomas. 1,514,358; Nov. 4.
 Registering machine, for statistical and similar purposes, Automatic. F. R. Bull. 1,514,503; Nov. 4.
 Regulating system. L. W. Thompson. 1,514,576; Nov. 4.
 Regulator. See—
 Dynamo regulator.
 Water regulator.
 Release fastener, Adjustable duplex quick. N. Ritter. 1,514,462; Nov. 4.
 Return ball. S. Thompson. 1,513,773; Nov. 4.
 Ridge-forming machine. J. Dreger. 1,514,039; Nov. 4.
 Ring or similar article. C. Fischer. Des. 65,908; Nov. 4.
 Ring traveler. W. A. Kosken. 1,514,326; Nov. 4.
 Rod. See—
 Engine connecting rod.
 Roller. See—
 Electrically-heated roller.
 Shade roller.
 Rolling mill. J. W. Sheperdson. 1,514,179; Nov. 4.
 Rolling-mill drive. J. W. Sheperdson. 1,514,178; Nov. 4.

Roof, Shingle. J. Smith and M. E. Constable. 1,513,940; Nov. 4.
 Roofing machine. H. Cumfer and O. D. McFarland. 1,513,969; Nov. 4.
 Rotary motor. E. J. and R. H. Moore. 1,514,007; Nov. 4.
 Rotary tool. O. G. Arnot. 1,514,415; Nov. 4.
 Rubber articles, Machine for making hollow. C. W. Steele and R. T. Griffiths. 1,514,183; Nov. 4.
 Rubber-heel reinforcement. A. J. Quist. 1,513,762; Nov. 4.
 Rust remover and preventative. G. L. Williams. 1,514,494; Nov. 4.
 Safe. M. H. Moore. 1,513,849; Nov. 4.
 Safety device. H. K. Webster. 1,514,487; Nov. 4.
 Safety lock. E. W. Henrickson. 1,514,318; Nov. 4.
 Salt-serving device. M. L. Gulden. 1,513,755; Nov. 4.
 Sanding device, Wheel. H. W. Messinger. 1,514,165; Nov. 4.
 Sanitary closet connection. M. O. Leary. 1,514,065; Nov. 4.
 Sash fastener. T. P. Lovell. 1,513,835; Nov. 4.
 Sash-weight box, Window. F. F. Flemming. 1,514,513; Nov. 4.
 Saw and square, Combination. W. A. Spittler. 1,514,180; Nov. 4.
 Saw clamp. E. N. Large. 1,513,916; Nov. 4.
 Scale platforms, Rail stand for. J. D. O'Neill. 1,514,566; Nov. 4.
 Scouring composition and method. R. A. Phair. 1,514,067; Nov. 4.
 Scrape set. A. L. Hockett. 1,514,387; Nov. 4.
 Screen and window sash, Combination. C. R. Kant. 1,513,823; Nov. 4.
 Seeding machine and vibrating hammer therefor. H. K. Najarian. 1,514,009; Nov. 4.
 Sealing device, Fountain. W. Spies. 1,514,473; Nov. 4.
 Seeders, Weeder attachment for. E. B. Dodd. 1,513,749; Nov. 4.
 Separable fastener. F. S. Carr. 1,513,964; Nov. 4.
 Serum from blood, Obtaining. W. B. Wescott. 1,513,949; Nov. 4.
 Sewing machine. J. H. Richardson. 1,514,230; Nov. 4.
 Shade roller, Window. J. Stee. 1,514,182; Nov. 4.
 Shaft synchronism, Electrical control apparatus for securing. C. L. Howse. 1,513,993; Nov. 4.
 Shells for bodies of ships, Manufacturing. W. F. H. Strelow. 1,514,351; Nov. 4.
 Shingle, Interlocking. F. R. Brydie. 1,513,800; Nov. 4.
 Shipping case. H. R. Bilss. 1,514,364-5; Nov. 4.
 Shirt protector. H. C. Smith. 1,513,939; Nov. 4.
 Shock absorber. E. B. Davis. 1,513,970; Nov. 4.
 Shock absorber, Rebound. E. B. Davis. 1,513,971; Nov. 4.
 Shocker, Sheaf. W. H. Perrin. 1,514,584; Nov. 4.
 Shoe and making same. J. D. Price and W. H. Drake. 1,514,460; Nov. 4.
 Shoe steamer. E. E. Smith and F. A. Lovell. 1,514,021; Nov. 4.
 Shoes, Mechanism for forming hinges of lasts for. G. Clausen. 1,513,743; Nov. 4.
 Short-circuiting device. H. L. Brump. 1,513,799; Nov. 4.
 Shoulder pad. T. J. Hartman. 1,514,459; Nov. 4.
 Side-delivery rake. H. R. Traphagen. 1,513,774; Nov. 4.
 Sleeve, Commercial and laboratory grain. J. H. Cox. 1,514,374; Nov. 4.
 Sign, Illuminated. A. F. Savaglio. 1,514,466; Nov. 4.
 Signal. See—
 Automobile signal.
 Automobile traffic signal.
 Danger signal.
 Signaling device. L. Ryerson. 1,513,787; Nov. 4.
 Silk-reeling process and device therefor, Automatic. V. Floruzzi. 1,514,078; Nov. 4.
 Sine and angle calculator. J. J. Kirchner. 1,514,323; Nov. 4.
 Sketching means. J. W. McCallum. 1,514,296; Nov. 4.
 Skylight. H. B. Hawes. 1,513,809-10; Nov. 4.
 Sleigh, Motor. M. Newdana. 1,514,170; Nov. 4.
 Slicing machines, Clamp for. J. H. Osborne. 1,513,853; Nov. 4.
 Slip switches, Adjustable anchor block for. B. T. Gibbs, Jr. 1,514,206; Nov. 4.
 Sludge basins, Discharging device for. M. Prüss. 1,514,336; Nov. 4.
 Smoothing iron, Electric. E. Barth. 1,514,074; Nov. 4.
 Snapping roll. F. R. Dues. 1,513,897; Nov. 4.
 Snow-clearing machine. E. Bergman. 1,514,248; Nov. 4.
 Snow pusher. S. A. Brown. 1,510,076; Nov. 4.
 Socket. J. Blackburn. 1,514,194; Nov. 4.
 Soldering iron. A. Llano. 1,514,549; Nov. 4.
 Soldering machine, Electric. H. L. Burns and R. T. Abrell. 1,514,430; Nov. 4.
 Sole-assorting machine. L. L. D. Elderkin. 1,513,976; Nov. 4.
 Solids from liquids, Separating. C. H. Hapgood. 1,513,980; Nov. 4.
 Solvent recovery, Method and apparatus for. G. Oenlager and J. C. Howard. 1,513,928; Nov. 4.
 Sound transmitting and receiving diaphragm. H. Fischer. 1,514,511; Nov. 4.

Soy and making the same, Japanese. C. Matsuoka. 1,514,554; Nov. 4.
 Spark intensifier or superspark builder. W. S. Witter. 1,514,496; Nov. 4.
 Spark plug. S. Hansen. 1,514,209; Nov. 4.
 Speed-equalizing mechanism. F. E. Smith. 1,513,765; Nov. 4.
 Speed induction motor, Variable. R. E. Stewart. 1,514,474; Nov. 4.
 Speed mechanism, Change. P. S. Ward. 1,514,485; Nov. 4.
 Speed transmission, Variable. D. S. de Lavaud. 1,513,748; Nov. 4.
 Speedometer. G. W. Blackburn. 1,514,125; Nov. 4.
 Spindles on steel frames, Tension mechanism for revolving. J. F. Watson. 1,514,486; Nov. 4.
 Spinning and doubling machine. T. Forrest. 1,514,253; Nov. 4.
 Spinning machine. F. Hoffner. 1,513,906; Nov. 4.
 Spring: See—
 Vehicle spring.
 Spring snubber, Auxiliary. J. P. Richter. 1,514,341; Nov. 4.
 Spring yoke adjustment, Double. P. E. Holt. 1,514,158; Nov. 4.
 Statuette. A. E. Russell. Des. 65,930; Nov. 4.
 Stencil: See—
 Display stand.
 Steam engine. H. Cohen. 1,514,504; Nov. 4.
 Steam on knitting machines, Pipe attachment for. O. F. McEnaney. 1,514,061; Nov. 4.
 Steel, Tough stable-surface alloy. P. A. E. Armstrong and R. P. De Vries. 1,513,793; Nov. 4.
 Steels, Manufacturing low-carbon. H. C. Bigge. 1,513,735; Nov. 4.
 Steering gear, Electrohydraulic. P. E. Kriebel. 1,514,537; Nov. 4.
 Steering gear, Friction check for automobile. T. Carter. 1,514,433; Nov. 4.
 Stepladder. C. W. Pettie. 1,514,569; Nov. 4.
 Stepladder leg. R. E. Pettiford. 1,513,854; Nov. 4.
 Stereoscopic projection. G. Lane and J. E. Patterson. 1,514,543; Nov. 4.
 Stock-fitting machines, Work support for. A. E. Johnson. 1,513,820; Nov. 4.
 Stock in mills, Machine for dividing streams of. B. Neal and G. H. Hebebrand. 1,514,330; Nov. 4.
 Stoker, Automatic. W. A. Hare. 1,513,987; Nov. 4.
 Stool construction, Counter. H. Hugo. 1,513,907; Nov. 4.
 Storage battery. C. Kinsley. 1,513,913; Nov. 4.
 Storage battery. J. W. Leitzen. 1,514,056; Nov. 4.
 Store fixture or equipment. D. F. McClellan. 1,514,339; Nov. 4.
 Stove attachment. A. E. James. 1,514,159; Nov. 4.
 Stovepipe casings, Securing joints in. M. L. Sweeney. 1,514,112; Nov. 4.
 Stove rack and shelf hiter. J. J. Futrell. 1,513,902; Nov. 4.
 Strainer or filtering device for water and other liquids. H. C. Anthony. 1,513,878; Nov. 4.
 Strap: See—
 Lens strap.
 Street-sweeping and refuse-collecting machine. J. W. Jamison. 1,514,289; Nov. 4.
 Strip material, Reel for. F. C. Morton. 1,513,850; Nov. 4.
 Stroke-adjusting mechanism. H. S. Fullerton. 1,514,454; Nov. 4.
 Stud-extracting and thread-cutting device. W. Whelan. 1,514,357; Nov. 4.
 Stud, Shirt. J. W. Schoellner. 1,514,071; Nov. 4.
 Suction device for lifting and transporting articles. G. H. L. Debaecker. 1,514,036; Nov. 4.
 Sugar-evaporating plant. M. and M. M. Terán L. 1,514,482; Nov. 4.
 Sunshade-operating means. G. N. Hein. 1,514,082; Nov. 4.
 Surgical implement for applying clips to wounds. G. Peters. 1,514,259; Nov. 4.
 Swimming appliance. L. C. Chatham. 1,514,435; Nov. 4.
 Switch: See—
 Electric switch.
 Electrical switch.
 Switch box and switch cartridge. W. A. Heinrich. 1,514,210; Nov. 4.
 Syringe, Hypodermic. H. S. Cook. Des. 65,900; Nov. 4.
 Table. O. G. Mueller. 1,514,501; Nov. 4.
 Table and seat, Combined folding. J. N. Battenfeld. 1,514,418; Nov. 4.
 Tables, Automatic shift for receiving. C. A. Zuehlke. 1,514,497; Nov. 4.
 Tablet holder or directory. J. G. Hamilton. 1,514,517; Nov. 4.
 Tailor's measure. H. A. Pontecorvo. 1,514,395; Nov. 4.
 Tank: See—
 Gasoline tank.
 Oil-storage tank.
 Tanning preparations, Manufacture of readily-soluble. C. Immerheiser and F. Hassler. 1,513,995; Nov. 4.
 Tap-splitting machine. W. J. Rawcourt. 1,514,100; Nov. 4.
 Tea cartridge. T. Allatt. 1,514,244; Nov. 4.
 Teaching reading and the like. J. L. Thomson. 1,514,270; Nov. 4.
 Telephone-disinfecting device. W. H. Stowell. 1,513,768; Nov. 4.
 Telephone head set. W. J. Murdock. 1,513,924; Nov. 4.
 Telephone system. L. D. Kellogg. 1,513,825; Nov. 4.
 Telephone system, Automatic. W. A. Benson. 1,514,193; Nov. 4.
 Telephone system, Automatic. B. D. Willis. 1,514,240; Nov. 4.
 Telephone system, Automatic. B. D. Willis. 1,513,777; Nov. 4.
 Telephone system, Measured-service. T. G. Martin. 1,514,215; Nov. 4.
 Telephone system, Semiautomatic. G. A. Betulander and N. G. Pulmgren. 1,514,363; Nov. 4.
 Tensoning machines, Gauge for. J. Brehm. 1,514,424; Nov. 4.
 Testing materials, Method and apparatus for. R. B. Smith. 1,514,236; Nov. 4.
 Textile fabric and fabricating the same. G. S. Bloch. 1,513,885; Nov. 4.
 Thermal circuit closer. W. and D. L. Small. 1,514,108; Nov. 4.
 Thermometer. J. Kovar. 1,514,553; Nov. 4.
 Tin rething. P. W. Davis. 1,514,443; Nov. 4.
 Tire. B. H. Pratt. Des. 65,924; Nov. 4.
 Tire, Automobile safety. S. Garrick. 1,514,315; Nov. 4.
 Tire boot. D. E. Swartz. 1,513,770; Nov. 4.
 Tire casing. R. D. Beldon. Des. 65,894; Nov. 4.
 Tire-changing tool. F. Skutniskl. 1,514,019; Nov. 4.
 Tire rim. C. Clausen. 1,514,436; Nov. 4.
 Tires, Combined automatic air-pressure equalizer, low-pressure alarm, and automatic cut-off for plural pneumatic. W. H. Brown. 1,513,740; Nov. 4.
 Tires, Reinforcing inner tubes for pneumatic. S. D. Flood. 1,513,900; Nov. 4.
 Toilet for motor vehicles. W. A. Harding. 1,514,157; Nov. 4.
 Tool, Combination. H. G. Wernimont. 1,514,488; Nov. 4.
 Tool retainer. C. H. Dockham. 1,513,803; Nov. 4.
 Toothbrush, Rotary. A. V. Bigwood and L. Kozelak. 1,514,420; Nov. 4.
 Tower, Spray. B. R. Sausen and H. D. Binks. 1,514,346; Nov. 4.
 Toy. C. Montalbano. 1,514,559; Nov. 4.
 Toy, Figure. L. Marx. 1,514,216; Nov. 4.
 Toy railway bridge. H. C. Ives. 1,513,816; Nov. 4.
 Toy savings bank. R. H. Potter. Des. 65,944; Nov. 4.
 Toy taxicab. H. C. Morgan. 1,514,220; Nov. 4.
 Tractor. F. Hickok. 1,514,521; Nov. 4.
 Tractor-frame suspension. E. E. Wickersham. 1,514,188; Nov. 4.
 Tractor wheel, Multipedal. C. R. Hanson. 1,514,518; Nov. 4.
 Tractors, Locomotive-running-gear attachment for. J. C. Meighan. 1,514,005; Nov. 4.
 Train-door control system. L. F. Hynes. 1,514,286; Nov. 4.
 Train stop. T. E. Carr. 1,513,965; Nov. 4.
 Transformer cores, Making laminations for. J. Desloge. 1,513,972; Nov. 4.
 Transmission. J. Arner. 1,513,870; Nov. 4.
 Transmission. L. C. Josephs, Jr., and M. L. Sheets. 1,513,822; Nov. 4.
 Transmission mechanism. L. A. Gilbert. 1,513,981; Nov. 4.
 Trap: See—
 Exhaust trap.
 Trap. E. F. Severts. 1,514,349; Nov. 4.
 Trimmer: See—
 Pottery trimmer.
 Truck. H. B. Sablin. 1,513,863; Nov. 4.
 Truck and carrier rollers, Spring-mounted. E. E. Wickersham. 1,514,157; Nov. 4.
 Tube: See—
 Hair-waving tube.
 Tube expander. A. E. Pring. 1,514,099; Nov. 4.
 Tube or rod bending appliance. W. Schonfeld and C. L. North. 1,514,467; Nov. 4.
 Tube-reducing mill. R. E. Brock. 1,514,425; Nov. 4.
 Tunic. T. Davis. Des. 65,905; Nov. 4.
 Typewriting machine. E. E. Barney. 1,514,190; Nov. 4.
 Typographical casting method and apparatus. J. R. Rogers. 1,514,103; Nov. 4.
 Undergarment, Lady's. E. G. Munzer. 1,514,221; Nov. 4.
 Undergarment, Lady's. B. G. Spillsbury. 1,514,266; Nov. 4.
 Universal joint. F. H. Stanwood. 1,514,181; Nov. 4.
 Unloading and excavating machine. L. H. Clements. 1,513,744; Nov. 4.
 Valve. W. C. Ruopp. H. McEldowney, R. J. Main, and R. W. Main. 1,514,586; Nov. 4.
 Valve. S. Stucky. 1,514,026; Nov. 4.
 Valve, Alarm check. L. M. Lewis. 1,514,090; Nov. 4.
 Valve and making it. A. M. Searles and F. Bain. 1,514,233; Nov. 4.
 Valve, Ball. R. W. Gunn and W. A. S. Thompson. 1,513,985; Nov. 4.
 Valve, Distribution. A. E. Cameron. 1,514,310; Nov. 4.
 Valve, Dry-pipe. J. E. Evans and F. H. Griffiths. 1,513,977; Nov. 4.
 Valve, Fluid-pressure-regulating. A. Messer. 1,514,217; Nov. 4.

Valve for condenser systems, Safety backflow. R. W. Allerton. 1,513,791; Nov. 4.
 Valve, Relief. J. N. Gunning. 1,510,480; Nov. 4.
 Valve, Rotary. J. R. Warren. 1,513,947; Nov. 4.
 Valve, Rotary sleeve. W. Schmid and H. Hanhart. 1,514,347; Nov. 4.
 Valve rotator. W. G. Buck. 1,513,741; Nov. 4.
 Valve tester. W. A. Cannon. 1,514,033; Nov. 4.
 Vaporizer. L. J. Ball. 1,513,732; Nov. 4.
 Varlocoupler. F. N. Merwin. 1,514,006; Nov. 4.
 Varnishes, printing inks, paints, inoleums, and the like, Method and apparatus for the preparation of oils for. W. Calderwood, A. E. Webb, and C. A. Reihl. 1,514,432; Nov. 4.
 Vegetable cutter. J. Astesano. 1,513,880; Nov. 4.
 Vehicle body. P. S. Bauer. 1,514,124; Nov. 4.
 Vehicle, Child's. H. Ziemss, Jr. 1,514,243; Nov. 4.
 Vehicle jack. W. E. McKee. 1,514,390; Nov. 4.
 Vehicle, Motor. H. D. Church. 1,513,966; Nov. 4.
 Vehicle, Self loading and dumping. J. E. McCray. 1,513,839; Nov. 4.
 Vehicle spring. J. L. McMullen. 1,514,063; Nov. 4.
 Vehicles, Attachment for motor. F. J. Sullivan. 1,513,769; Nov. 4.
 Vehicles, Device for counting differently-loaded. R. Heindold. 1,513,811; Nov. 4.
 Vehicles, Footboard holder for. W. H. Kemper. 1,513,912; Nov. 4.
 Vehicles, Holddown device for. W. W. Blakely. 1,513,960; Nov. 4.
 Vehicles, Sleigh attachment for motor. W. C. Nason. 1,514,302; Nov. 4.
 Vehicles, Spring suspension for. C. A. Rasco. 1,514,303; Nov. 4.
 Vending machine. K. E. Kuns. 1,513,915; Nov. 4.
 Ventilating system for vehicles. W. N. Metcalf. 1,514,329; Nov. 4.
 Ventilator. R. E. Pouley and M. C. Hartman. 1,514,396; Nov. 4.
 Vine stripper and bean or pea huller, Combined. E. C. Loftness. 1,513,834; Nov. 4.
 Vise, Universal machine. E. H. Johnson. 1,514,160; Nov. 4.
 Voile fabric, Flocked. E. B. Vandergaw and J. Heinrich. Des. 65,930-41; Nov. 4.
 Voting booth. E. J. Douglas. 1,514,038; Nov. 4.
 Wafers, Machine for applying a top coating of comminuted material to confection-coated. F. G. Salerno. 1,514,345; Nov. 4.
 Wall board. J. F. Morreale. 1,514,561; Nov. 4.
 Wall construction, Building. J. F. Morreale. 1,514,562; Nov. 4.
 Wall, Device for forming openings and recesses in. J. Floyd. 1,514,581; Nov. 4.
 Washing machine. W. S. Schuyler. 1,514,469; Nov. 4.
 Watchcase. A. C. Rindskopf. Des. 65,929; Nov. 4.
 Water-distribution system. F. Roman. 1,514,173; Nov. 4.
 Water heater, Gas. A. J. Fraser. 1,514,514; Nov. 4.
 Wave motor. M. J. Ufford. 1,513,874; Nov. 4.
 Wax, Preparing mineral. D. T. Day. 1,513,745; Nov. 4.
 Webbing stretcher, Upholstery. C. von Schenk. 1,514,273; Nov. 4.
 Webbing, Tip for. A. V. Brown. 1,514,426; Nov. 4.
 Weeding machine, Railway-track. A. Scheuchzer. 1,514,176-7; Nov. 4.
 Welding tool. H. V. Wille and L. A. Rehfuss. 1,514,492; Nov. 4.
 Well-drilling device. H. B. Leffer. 1,514,547; Nov. 4.
 Well packer, Oil. C. M. Heeter. 1,514,284; Nov. 4.
 Wells, Incasing. R. M. McLain. 1,514,062; Nov. 4.
 Wells, Testing device for oil. C. R. Edwards. 1,514,585; Nov. 4.
 Wheel: See—
 Disk wheel.
 Tractor wheel.
 Wheel. F. M. Boynton. 1,514,422; Nov. 4.
 Wheels, Mud lug for automobile. G. S. Cascaddan. 1,514,311; Nov. 4.
 Windmill. D. R. Scholes. 1,514,305; Nov. 4.
 Window. O. S. Bowran. 1,513,887; Nov. 4.
 Window construction. P. J. Brown. 1,513,798; Nov. 4.
 Window support. V. J. Whitney. 1,514,115; Nov. 4.
 Windshield. W. F. and E. H. G. Oesterle. 1,514,257; Nov. 4.
 Windshield wiper. C. Y. Dyke. 1,514,446; Nov. 4.
 Windshields, Liquid spreader for. R. L. Rice, sr., and W. M. Jordan, Jr. 1,514,340; Nov. 4.
 Wood or the like working accessory. C. B. McCallum. 1,514,000; Nov. 4.
 Wrench: See—
 Pipe wrench.
 Wrench. D. G. Schroeder. 1,514,017; Nov. 4.
 Wringer drip board. W. Robertson. 1,513,783; Nov. 4.

CLASSIFICATION OF PATENTS

NOVEMBER 4, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

2— 2: 1,514,459 9: 1,514,516 10: 1,514,111 30: 1,514,325 42: 1,514,218 46: 1,514,403 73: 1,514,296 78: 1,514,221 131: 1,514,031 133: 1,514,354 150: 1,513,998 175: 1,514,407 201: 1,514,258 221: 1,513,750 236: 1,514,594 63: 1,514,508 71: 1,514,202 104: 1,514,472 185: 1,514,447 203: 1,514,035 3: 1,514,488 13: 1,514,180 2: 1,514,067 1: 1,514,068 6: 1,514,351 20: 1,513,843 21: 1,514,438 119: 1,514,357 120: 5: 1,513,739 1: 1,514,021 17: 1,513,807 50: 1,513,767 87: 1,513,804 97: 1,513,961 123: 1,513,820 125: 1,514,174 136: 1,514,370 139: 1,513,836 25: 1,514,420 83: 1,514,289 120: 1,514,051 196: 1,513,896 251: 1,514,340 253: 1,514,446 1: 1,514,512 1: 1,513,983 22: 1,514,101 2: 1,513,733 19: 1,514,183 24: 1,514,196 53: 1,514,571 55: 1,514,509 57: 1,514,283 3: 1,514,078 36: 1,514,044 146: 1,514,484 3: 1,514,038 1: 1,514,398 11: 1,514,513 9: 1,514,577 40: 1,514,465 20: 1,514,140 53: 1,513,887 1,514,115 55: 1,513,823 135: 1,513,778 54: 1,514,213 63: 1,513,747 1,514,129 1,514,319 1,514,320 71: 1,514,151 73: 1,514,530 10: 1,513,821 13: 1,513,934 168: 1,513,903 19: 1,514,411 13: 1,513,784 1,514,412 23: 1,513,992 93: 1,513,869 100: 5: 1,514,071 102: 1,513,771 143: 1,513,871 162: 1,514,030 196: 1,514,227	24— 197: 1,514,462 200: 1,513,847 218: 1,513,963 1,513,964 1,514,578 248: 1,514,440 26: 1,513,840 121: 1,514,053 1,514,533 131: 5: 1,514,245 155: 1,513,801 238: 1,514,461 59: 1,514,061 1.11: 1,514,106 1,514,167 1,514,168 86: 1: 1,514,117 87: 1: 1,513,827 103: 1,514,012 1,514,172 169: 1,513,805 10: 1,513,861 12: 1,513,826 21: 1,514,477 90: 1,514,282 12: 1,514,267 7: 1,514,395 64: 1,514,296 98: 1,514,323 165: 1,514,532 178: 1,514,250 190: 1,513,951 181: 1,514,452 12: 1,514,490 17: 1,514,119 21: 1,514,480 24: 1,513,881 26: 1,514,128 46: 1,514,158 34: 1,514,265 46: 1,513,932 47: 1,514,101 48: 1,513,928 1,514,470 168: 1,514,525 9: 1,514,270 2: 1,513,936 17: 1,514,460 35: 1,513,762 38: 1,514,154 71: 1,514,468 42: 1,514,248 63: 1,514,336 105: 1,514,177 127: 1,513,839 188: 1,514,000 39: 1: 1,514,256 40: 1.6: 1,514,397 10: 1,514,464 19: 1,514,002 23: 1,513,929 63: 1,514,517 64: 1,514,679 86: 1,514,588 108: 1,514,440 132: 1,514,466 143: 1,514,184 42: 1: 1,514,263 43: 12: 1,513,990 92: 1,514,349 133: 1,514,372 44: 1: 1,513,746 45: 32: 1,514,393 1,514,399 1,514,400 1,514,401 1,514,402 47: 1,514,301 4: 1,513,753 1,513,917 8: 1,514,391 22: 1,514,316 40: 1,514,216 1,514,350 41: 1,514,260 48: 1,514,220	45— 56: 1,514,355 1,514,382 59: 1,513,773 1,513,968 1,514,089 1,514,659 63: 1,513,941 69: 1,514,037 70: 1,514,552 34: 1,513,829 41: 1,513,811 53: 1: 1,513,988 180: 1,513,732 1,514,132 5: 1,514,526 6: 1,513,756 17: 1,514,338 34: 1,513,731 45: 1,514,122 47: 1,514,345 54: 1,514,307 55: 1,514,059 1,514,091 50: 23: 1,514,217 51: 225: 1,514,392 263: 1,513,813 3: 1,514,244 54: 21: 1,514,538 10: 1,514,291 89: 1,514,510 107: 1,513,737 138: 1,513,833 60: 1,514,304 199: 1,514,290 377: 1,513,774 412: 1,514,584 56: 1,514,073 85: 1,513,720 170: 1,514,128 25: 1,514,583 25: 1,514,158 55: 1,514,121 62: 1,513,999 62: 1,514,181 65: 57: 1,513,755 66: 19: 1,514,251 21: 1,514,499 1,514,500 28: 1,513,980 12: 1,514,161 18: 1,514,469 32: 1,513,783 16: 1,514,100 14: 1,514,141 26: 1,513,896 46: 1,513,318 54: 1,513,904 38: 1,514,081 68: 1,514,143 124: 1,514,562 51: 1,514,343 52: 1,513,979 56: 1,514,535 82: 1,514,565 7: 1,513,945 14: 1,514,522 27: 1,514,013 34: 1,513,981 1,514,134 1,514,442 39: 1,513,905 40: 1,514,497 41: 1,514,491 53: 1,513,748 1,514,550 54: 1,513,862 38: 1,513,822 83: 1,514,378 108: 1,513,946 1,514,022 1,514,506	74— 109: 1,514,232 110: 1,513,954 1: 1,513,793 1,513,806 1,514,064 17: 1,513,812 1,513,989 1,514,443 44: 1,513,735 78: 1,513,916 82: 1,514,387 4: 1,514,072 27: 1,513,786 33: 1,513,846 3: 1,513,785 13: 1,514,425 31: 1: 1,514,179 35: 1,514,178 42: 1,514,406 42: 1,514,137 8: 1,514,126 69: 1,514,542 154: 1,514,017 1: 1,514,352 12: 1,513,883 33: 1,513,899 40: 1,514,580 9: 1,513,952 10: 1,514,224 44: 1,514,330 53: 1,513,855 56: 1,514,009 92: 1,513,976 161: 1,514,575 189: 1,514,493 275: 1,514,590 399: 1,513,950 9: 1,514,096 1: 1,514,096 1: 1,513,734 2.4: 1,514,394 14: 1,514,386 16: 1,514,060 16.4: 1,513,984 16.6: 1,514,543 17: 1,513,920 22: 1,514,527 24: 1,514,138 1,514,275 33: 1,514,419 42: 1,513,789 116: 1,514,388 1,513,796 1,513,856 45: 1,513,795 56: 1,513,842 57: 1,514,356 16.4: 1,514,501 36: 1,513,766 90: 16: 1,514,539 1,514,540 34: 1,514,454 60: 1,514,160 4: 1,513,772 60: 1,514,529 67: 9: 1,513,909 68: 1,514,439 1,514,548 70: 1,513,815 3: 1,514,226 21: 1,514,406 38: 1,514,556 48: 1,514,238 52: 1,514,011 55: 1,514,039 59: 1,514,361 157: 1,514,045 188: 1,514,050 194: 1,513,749 205: 1,514,481 22: 1,514,328 90: 2: 1,514,281 11: 1,514,534 48: 1,514,278 1,514,279 18: 1,514,191 22: 1,514,450	101— 136: 1,514,049 195: 1,513,857 270: 1,514,427 375: 1,514,109 426: 1,514,222 3: 1,514,264 12: 1,513,948 145: 1,514,150 220: 1,514,200 279: 1,514,176 14: 1,514,373 62: 1,514,005 84: 1,514,306 117: 1,514,241 308: 1,514,312 1,514,404 341: 1,514,286 370: 1,514,211 5.5: 1,514,249 19: 1,513,922 36.1: 1,513,923 1: 1,513,781 1,514,345 7: 1,514,186 7: 1,513,940 8: 1,513,800 16: 1,513,899 1: 1,513,810 1: 1,513,849 3: 1,514,593 44: 1,513,987 5: 1,513,637 2: 1,513,898 41: 1,514,230 52: 1,514,328 112: 1,513,824 1,514,112 116: 1,514,538 29: 1,514,001 33: 1,514,339 40: 1,514,409 50: 1,513,787 162: 1,514,574 22: 1,514,253 40: 1,513,994 46: 1,513,906 56: 1,514,326 98: 1,514,429 42: 1,513,894 43: 1,514,519 116: 1,514,473 32: 1,513,803 34: 1,514,007 62: 1,514,299 125: 1,514,504 134: 1,514,080 16: 1,514,514 373: 1,514,163 425: 1,514,331 451: 1,514,310 51: 1,514,280 52: 1,514,475 53: 1,514,197 57: 1,514,057 59: 1,514,347 65: 1,514,476 75: 1,513,996 90: 1,513,741 1,514,066 119: 1,514,136 122: 1,514,445 139: 1,514,285 149: 1,513,752 169: 1,514,209 174: 1,514,041 185: 1,514,041 188: 1,514,233 190: 1,513,911 1: 1,513,947 11: 1,513,757 37: 1,513,758 39: 1,513,902 92: 1,514,332 122: 1,514,360 168: 1,514,171	126— 275: 1,514,027 288: 1,514,201 343: 5: 1,514,252 177: 1,514,084 338: 1,514,259 5: 1,513,897 15: 1,513,780 19: 1,514,374 30: 1,513,834 9: 1,514,142 14: 1,514,471 36: 1,513,918 1,513,919 28: 1,513,838 76: 1,514,432 39: 1,513,794 51: 1,513,865 21: 1,514,520 78: 1,514,173 93: 1,513,830 152: 1,514,028 153: 1,513,759 23: 1,514,537 10: 1,513,818 23: 1,513,908 392: 1,513,885 4: 1,514,423 46: 1,514,448 171: 1,513,743 198: 1,514,424 246: 1,514,505 309: 1,514,587 1: 1,514,060 122: 1,514,581 3: 1,514,084 16: 1,514,237 92: 1,513,880 104: 1,513,983 189: 1,514,271 217: 1,513,853 8: 1,514,494 13: 1,514,070 22: 1,514,235 5: 1,513,995 8: 1,513,866 2: 1,514,261 1,514,311 12: 1,513,740 14: 1,513,761 1,514,553 10: 1,514,315 24: 1,513,770 2: 1,514,589 38: 1,514,025 40: 1,514,467 1,514,069 15: 1,513,900 45: 5: 1,514,192 45: 9: 1,514,561 80: 1,513,907 127: 1,514,418 36: 1,514,182 1: 1,514,019 1: 1,514,214 36: 1,514,159 63: 1,514,175 66: 1,513,910 75: 1,514,135 76: 1,514,456 40: 1,514,482 2: 1,513,832 6: 1,514,145 7: 1,514,334 6.6: 1,514,229 21: 1,513,779 58: 1,513,938 97: 1,513,782 125: 1,513,972 1: 1,514,585 4: 1,514,062 10: 1,514,284 6: 1,514,343 7: 1,514,377 7: 1,513,949
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CLASSIFICATION OF PATENTS.

169—	22: 1,513,977	188—	77: 1,514,438	211—	24: 1,514,055	229—	47: 1,514,366	250—	41: 1,514,406	277—	20: 1,514,000
170—	173: 1,514,246		78: 1,514,054		29: 1,513,792		1,514,367	251—	121: 1,513,985	280—	33: 12: 1,514,075
171—	119: 1,514,322		88: 1,513,970	212—	7: 1,514,219		1,514,368		134: 1,514,026		80: 1,514,433
	1,514,416		1,513,971	213—	61: 1,513,956		53: 1,514,024	253—	167: 1,514,586	281—	154: 1,514,208
	229: 1,513,892		264: 1,514,077	214—	1: 1,514,207		60: 1,514,371		5: 1,513,874	282—	17: 1,514,003
	1,514,576		1,514,078		18: 1,514,079	230—	7: 1,514,417		117: 1,514,293	283—	24: 1,514,300
172—	321: 1,514,321	189—	73: 1,513,798		65: 4: 1,513,863		11: 1,513,763	254—	78: 1,514,023	284—	50: 1,514,254
	120: 1,514,474		44: 1,513,900		90: 1,514,008		27: 1,513,870		134: 1,514,024		34: 1,514,065
	179: 1,513,958		12: 1,514,148		92: 1,514,097		1,513,873		79: 1,514,273	285—	124: 1,514,358
	1,514,421		18: 1,514,083		103: 1,514,560		30: 1,514,384		4: 1,514,277		137: 1,514,052
	1,514,523		63: 1,513,915		130: 1,514,082		4: 1,514,146		98: 1,514,262		166: 1,514,276
	1,514,546		3: 1,514,118		152: 1,514,333		11: 1,513,986		102: 1,514,390		143: 1,514,052
	279: 1,513,799		14: 1,513,745	215—	7: 1,514,337		1: 1,513,880		103: 1,514,120	286—	7: 1,514,234
	303: 1,513,993		1,514,113		51: 1,513,969		91: 1,514,524		149: 1,513,588	287—	53: 1,513,925
173—	31: 1,513,931		1,514,162		1,514,480		1,514,524		168: 1,513,738	288—	17: 1,514,010
	206: 1,514,292		50: 1,514,068	216—	30: 1,513,876		1,514,524		27: 1,513,955	289—	44: 1,514,093
	273: 1,514,444		104: 1,514,040		56: 1,514,344		1,514,524		35: 1,514,165	290—	34: 1,514,165
	328: 1,514,314	197—	114: 1,514,190		28: 1,513,811		1,514,524		41: 1,514,498	291—	35: 1,513,835
	343: 1,513,672		20: 1,513,837	217—	3: 1,514,335		1,514,524		61: 1,514,415	292—	39: 1,513,797
	346: 1,514,194		24: 1,514,362		8: 1,514,501		1,514,524		75: 1,514,156		192: 1,514,328
	367: 1,514,544		70: 1,513,765		12: 1,514,502		1,514,524		14: 1,514,437		193: 1,514,067
175—	183: 1,514,555		85: 1,513,744		14: 1,514,492		1,514,524		24: 1,514,114		281: 1,514,114
	294: 1,514,570		165: 1,514,185		20: 1,514,485		1,514,524		35: 1,513,788		55: 1,513,808
	359: 1,514,006		179: 1,514,545		25: 1,514,074		1,514,524		129: 1,514,463		1,513,817
176—	16: 1,514,413	200—	16: 1,514,155		26: 1,514,549		1,514,524		167: 1,514,106		1,514,144
	177: 324: 1,514,534		21: 1,513,877		32: 1,514,582		1,514,524		211: 1,514,159		56: 1,513,991
	337: 1,513,333		33: 1,513,901		34: 1,514,228		1,514,524		20: 1,514,434	294—	17: 1,514,478
178—	17: 1,514,231		72: 1,514,438		37: 1,514,287		1,514,524		4: 1,513,973		32: 1,514,309
	179: 6: 3: 1,514,215		89: 1,514,385		44: 1,513,927		1,514,524		5: 1,514,269		34: 1,514,076
	18: 1,513,826		114: 1,514,210		62: 1,513,736		1,514,524		12: 1,514,058		65: 1,514,036
	1,514,240		115: 5: 1,513,819		6: 1,513,764		1,514,524		30: 1,514,206		80: 1,514,208
	1,514,193		125: 1,514,479		16: 1,514,426		1,514,524		61: 1,513,867		1,514,547
	1,514,363		132: 1,514,198		70: 1,513,850		1,514,524		33: 1,514,572		1,514,547
	156: 1,513,924		1,514,199		71: 1,514,014		1,514,524		61: 1,513,831		23: 1,514,157
	175: 1,513,760		140: 1,514,108		84: 5: 1,513,803		1,514,524		106: 1,513,730		28: 1,514,124
	182: 1,514,132		161: 1,513,943		156: 1,514,486		1,514,524		118: 1,514,274		95: 1,514,082
	185: 1,513,768		168: 1,514,324		1: 1,514,106		1,514,524		5: 1,514,269		97: 1,513,769
180—	3: 1,514,170	294—	4: 1,513,728		11: 1,514,046		1,514,524		12: 1,514,058		1,514,257
	5: 1,514,302		15: 1,514,153		14: 1,514,139		1,514,524		30: 1,514,298		110: 1,513,790
	6: 1,514,294		29: 1,513,913		30: 1,514,428		1,514,524		30: 1,514,004		137: 1,514,361
	10: 1,514,521		31: 1,514,056		37: 1,513,967		1,514,524		40: 1,514,542		38: 1,514,020
	75: 1,513,966		64: 1,513,754		47: 1,514,064		1,514,524		9: 1,514,125		73: 1,514,515
	143: 1,514,308		1,513,800		103: 1,513,962		1,514,524		1: 1,514,236		35: 1,514,436
181—	32: 1,514,511		1,514,102		105: 1,514,567		1,514,524		28: 1,513,775		46: 1,514,422
	182—		1,514,102		118: 1,514,531		1,514,524		37: 1,513,875		47: 1,514,431
	18: 1,514,563		1,514,066		18: 1,514,066		1,514,524		45: 1,514,341		60: 1,513,742
	24: 1,514,346	200—	6: 1,513,776		29: 1,514,940		1,514,524		49: 1,514,063		21: 1,514,247
	95: 1,514,441		7: 1,513,939		31: 1,514,376		1,514,524		4: 1,513,858		9: 1,514,187
184—	7: 1,513,868		47: 1,514,379		40: 1,513,935		1,514,524		44: 1,514,110		1,514,188
	26: 1,513,891		32: 1,513,900		81: 1,514,239		1,514,524		1: 1,514,317		
	69: 1,514,022		36: 1,514,225		28: 1,513,926		1,514,524				
	105: 1,514,255		105: 1,514,243		40: 1,513,935		1,514,524				
186—	1: 1,514,389	208—	51: 1,513,862		94: 1,514,359		1,514,524				
	31: 1,514,015		190: 1,513,578		37: 1,514,569		1,514,524				
187—	41: 1,514,015	210—	13: 1,513,884		63: 1,513,854		1,514,524				
	85: 1,514,487		1,514,483		47: 1,514,369		1,514,524				
188—	32: 1,513,900		14: 1,514,375		1,514,365		1,514,524				

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Abenholm, Frederick B. (See Sultan, Ernest J., Mfg. Co.)
- Ackerman Bros. Company Inc., New York, N. Y. Radio parts. 191,663; Nov. 11.
- Acme Cracker Co., Chicago, Ill. Crackers and cakes. 191,027; Nov. 11; Serial No. 189,543; published Aug. 26, 1924.
- Aeolian Company, The, New York, N. Y. Assembled radio receiving sets and component parts thereof. 191,494; Nov. 11; Serial No. 166,125; published Aug. 12, 1924.
- Aktiebolaget Yvy-Fabriken, Ystad, Sweden. Knife polish, shaving soap, polishing stone, etc. 191,506; Nov. 11; Serial No. 191,114; published Aug. 19, 1924.
- Albert Publishing Co., assignor to Dell Publishing Company, New York, N. Y. Magazine. 191,444; Nov. 11; Serial No. 195,729; published Aug. 12, 1924.
- Alling & Cory Company, The, Pittsburgh, Pa. Bond paper. 191,648; Nov. 11.
- Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 191,628; Nov. 11; Serial No. 195,730; published Aug. 26, 1924.
- Ambassador Sales Company. (See Sattels, Joseph T.)
- American Crayon Company, The, Sandusky, Ohio. Toy wax crayons. 191,587; Nov. 11; Serial No. 198,496; published July 29, 1924.
- American Crayon Company, The, Sandusky, Ohio. Pressed crayons. 191,588; Nov. 11; Serial No. 198,497; published Aug. 12, 1924.
- American Crayon Company, The, Sandusky, Ohio. Wax crayons. 191,589; Nov. 11; Serial No. 198,498; published Aug. 12, 1924.
- American Crayon Company, The, Sandusky, Ohio. Crayons, water colors. 191,590; Nov. 11; Serial No. 198,499; published Aug. 12, 1924.
- American Crayon Company, The, Sandusky, Ohio. Pastel crayons. 191,591; Nov. 11; Serial No. 198,500; published Aug. 12, 1924.
- American Furniture Company, Batesville, Ind. Beds, dressers, chiffonettes, vanity dressers, etc. 191,503; Nov. 11; Serial No. 181,000; published Aug. 12, 1924.
- American Metal Cap Co., Brooklyn, N. Y. Metal caps and closures. 191,535; Nov. 11; Serial No. 199,203; published Aug. 26, 1924.
- Arabol Mfg. Co., The, New York, N. Y. Adhesives. 191,582; Nov. 11; Serial No. 198,211; published Aug. 5, 1924.
- Arabol Mfg. Co., The, New York, N. Y. Wall size. 191,583; Nov. 11; Serial No. 198,212; published Aug. 5, 1924.
- Arosalts Company, Atlanta, Ga. Aromatic Epsom salts. 191,449; Nov. 11; Serial No. 199,508; published Aug. 19, 1924.
- Arrow Electric Company, The, Hartford, Conn. Luminous pendants and buttons. 191,601; Nov. 11; Serial No. 198,046; published Aug. 26, 1924.
- Asbestos & Electrical Fittings Co. Ltd., The, London, England. Composition of asbestos for use for electrical insulation. 191,604; Nov. 11; Serial No. 199,949; published Aug. 26, 1924.
- Associated Feature Service. (See Localzo, Dominick.)
- Aunt Lou Medicine Company. (See Hickman & Dozier.)
- Auto Radiator Manufacturing Co., Chicago, Ill. Automobile radiators. 191,681; Nov. 11.
- Baldwin Perfumery Co., The, Chicago, Ill. Hairdressings, perfumes, and essences, etc. 191,430; Nov. 11; Serial No. 194,770; published Aug. 13, 1924.
- Barber Asphalt Company, The, Philadelphia, Pa. Mineral rubber. 191,538; Nov. 11; Serial No. 198,779; published Aug. 26, 1924.
- Barber Asphalt Company, The, Philadelphia, Pa. Mineral rubber. 191,539; Nov. 11; Serial No. 198,503; published Aug. 26, 1924.
- Barber, Robert B., doing business as Sy-Po Chemical Company, Baltimore, Md. Preparation for rheumatism, lumbago, sprains, etc. 191,540; Nov. 11; Serial No. 198,501; published Aug. 26, 1924.
- Barrett, Charles E., doing business as The Barrett Liniment Co., New York, N. Y. Liniment. 191,431-2; Nov. 11; Serial Nos. 194,248-9; published Aug. 19, 1924.
- Barrows, William G., Dorset, Vt. Knit sweaters, sacks, leggings, caps, etc. 191,647; Nov. 11.
- Batesville Cabinet Company, Batesville, Ind. Buffets, hanging mirrors, cupboards, etc. 191,578; Nov. 11; Serial No. 181,001; published Aug. 12, 1924.
- Battery Equipment & Supply Co., The, Chicago, Ill. Battery terminals and clips, etc. 191,672; Nov. 11.
- Berkley Drug Company. (See Holland, R. F.)
- Better Fruit Publishing Company, Portland, Oreg. Magazine. 191,515; Nov. 11; Serial No. 197,854; published Aug. 10, 1924.
- Blow, Milton H., New York, N. Y. Elastics. 191,483; Nov. 11; Serial No. 197,411; published Aug. 12, 1924.
- Blackman, Maurice, Philadelphia, Pa., assignor, by mesne assignments, to The International Company, Baltimore, Md. Syrups and nonalcoholic, maltless beverages. 191,571; Nov. 11; Serial No. 150,588; published Oct. 2, 1923.
- Blair, Francis J., Kalamazoo, Mich. Sandwiches. 191,524; Nov. 11; Serial No. 199,670; published Aug. 26, 1924.
- Blake, Moffitt & Towne, San Francisco, Calif. Paper, envelopes, paper towels, etc. 191,504; Nov. 11; Serial No. 187,287; published July 22, 1924.
- Booth, F. E., Co., San Francisco, Calif. Canned fruit. 191,543; Nov. 11; Serial No. 184,810; published Aug. 19, 1924.
- Booth, F. E., Co., San Francisco, Calif. Canned fruit. 191,581; Nov. 11; Serial No. 162,714; published Aug. 19, 1924.
- Boas, Frederic A., doing business as Boas Electrical Supply Co., Providence, R. I. Electric-light-fixture units, electrical switches, electric ranges, etc. 191,512; Nov. 11; Serial No. 193,755; published Aug. 12, 1924.
- Boas Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 191,545; Nov. 11; Serial No. 185,743; published Dec. 11, 1923.
- Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,453; Nov. 11; Serial No. 199,534; published Aug. 26, 1924.
- Breckenridge, Harold C., doing business as The Breckenridge Electric Company, Detroit, Mich. Radio crystals and crystal detectors or rectifiers. 191,420; Nov. 11; Serial No. 196,330; published Aug. 12, 1924.
- Broadcast Manufacturers, Inc., New York, N. Y. Radio receiving sets and parts thereof. 191,417; Nov. 11; Serial No. 196,420; published Aug. 12, 1924.
- Brown & Haley, Tacoma, Wash. Chocolate Brittle Candy. 191,430; Nov. 11; Serial No. 193,500; published Aug. 12, 1924.
- Cardinell, John D., doing business as Cardinell-Sales Co., assignor to Ink-Out Mfg. Co., Inc., Montclair, N. J. Chemical preparation for use as an ink eradicator. 191,553; Nov. 11; Serial No. 199,841; published Aug. 19, 1924.
- Carew Manufacturing Company, South Hadley Falls, Mass. Writing and printing paper and mailing envelopes. 191,521; Nov. 11; Serial No. 198,111; published July 29, 1924.
- Carey, Olivia H., Chicago, Ill. Salve. 191,532; Nov. 11; Serial No. 199,537; published Aug. 19, 1924.
- Carpenter, Frank, doing business as The Velvo Baking Powder Co., Charleston, S. C. Baking powder. 191,490; Nov. 11; Serial No. 198,112; published Aug. 19, 1924.
- Cathcart and Cathcart, Inc., Newburgh, N. Y. Pharmaceutical preparation. 191,467; Nov. 11; Serial No. 198,984; published Aug. 19, 1924.
- Cavalliotis, Sophie M., doing business as Latona Laboratories, New York, N. Y. Vanishing day cream and night cream. 191,577; Nov. 11; Serial No. 179,132; published Aug. 19, 1924.
- Cello Products Incorporated, New York, N. Y. Waterproofing and seal-forming materials. 191,500; Nov. 11; Serial No. 182,133; published July 22, 1924.
- Chemical Machinery Experiment Co. Inc., New York, N. Y. Electric-current-flow indicators. 191,620; Nov. 11; Serial No. 164,491; published Aug. 26, 1924.
- Chemische Fabrik Grünau Landshoff & Meyer Aktien-gesellschaft, Berlin, Germany. Preparation for washing and scouring. 191,638; Nov. 11; Serial No. 196,905; published Aug. 19, 1924.
- Chemo Products Co., New York, N. Y. Washing powder for dishes and like articles. 191,429; Nov. 11; Serial No. 193,272; published Aug. 12, 1924.
- Chicago Bargain House, Chicago, Ill. Hats for women. 191,671; Nov. 11.
- Citrus Products Company, Chicago, Ill. Maltless-beverage flavor and beverages made therefrom. 191,551; Nov. 11; Serial No. 189,389; published Feb. 12, 1924.
- Clarkson Coal and Dock Company, The, St. Paul, Minn. Coal. 191,650; Nov. 11.
- Clequot Club Company, Mills, Mass. Beverage sold as a soft drink and sirup for making the same. 191,533; Nov. 11; Serial No. 199,608; published Aug. 26, 1924.
- Cole, William G., doing business as Willard Medicine Co., Wilmington, Del. Blood tonic and an ointment. 191,659; Nov. 11.
- Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio apparatus. 191,603; Nov. 11; Serial No. 197,191; published Aug. 26, 1924.
- Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio apparatus. 191,632; Nov. 11; Serial No. 197,190; published Aug. 26, 1924.
- Colvin, James, doing business as The Spool Wire Company, Stapleton, N. Y. Insulated and covered wire on spools. 191,500; Nov. 11; Serial No. 191,747; published Aug. 12, 1924.
- Coraza Cigar Co., The, Philadelphia, Pa. Cigars. 191,548; Nov. 11; Serial No. 187,045; published Jan. 22, 1924.
- Cosner, Bruce L., Enid, Okla. Passenger-identification slip. 191,409; Nov. 11; Serial No. 197,136; published Aug. 5, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Crawford-Austin Manufacturing Co., Waco, Tex. Tar-paulins and tents. 191,516; Nov. 11; Serial No. 199,681; published Aug. 26, 1924.
 Crawford-Austin Manufacturing Co., Waco, Tex. Detachable wagon covers. 191,676; Nov. 11.
 Crawford, Stanley, Salem, Ohio. Medicinal pads. 191,441; Nov. 11; Serial No. 195,499; published Aug. 19, 1924.
 Crown Cork and Seal Company of Baltimore City, The, Baltimore, Md. Closures for receptacles. 191,514; Nov. 11; Serial No. 199,776; published Aug. 26, 1924.
 Cumpson-Doeiman, Inc., Buffalo, N. Y. Canned vegetables, cocoa, rice, etc. 191,575; Nov. 11; Serial No. 179,520; published Oct. 16, 1923.
 Cupid Hair Curler Co., Lowell, Mass. Hair curlers. 191,419; Nov. 11; Serial No. 196,334; published Aug. 19, 1924.
 Cutting & Washington Radio Corporation, Minneapolis, Minn. Radio receiving sets and parts thereof. 191,437; Nov. 11; Serial No. 194,982; published Aug. 12, 1924.
 Daintimias Dressmakers. (See Kirschner, M., & Sons.)
 Danziger-Jones, Inc., New York, N. Y. Radio receiving sets and parts thereof. 191,416; Nov. 11; Serial No. 196,441; published Aug. 12, 1924.
 Danziger-Jones, Inc., New York, N. Y. Radio receiving sets and parts thereof. 191,636; Nov. 11; Serial No. 197,419; published Aug. 26, 1924.
 David, B. Edmund, Inc., New York, N. Y. Silk piece goods. 191,442; Nov. 11; Serial No. 195,501; published Aug. 19, 1924.
 Deal Electric Co. Inc., New York, N. Y. Christmas-tree-lighting outfits, B batteries, flash-light batteries, and electrical connecting plugs. 191,592-3; Nov. 11; Serial Nos. 195,509-10; published Aug. 26, 1924.
 De Bardeleben Coal Corporation, Birmingham, Ala. Coal. 191,606; Nov. 11; Serial No. 196,443; published Aug. 26, 1924.
 Denney & Denney, Philadelphia, Pa. Face powders and creams, perfumes, rouges, etc. 191,656; Nov. 11.
 Dependable Products Co., Cleveland, Ohio. Bread. 191,624; Nov. 11; Serial No. 178,094; published Aug. 26, 1924.
 Dewey, H. T., & Sons Company, New York, N. Y. Wine tonic. 191,466; Nov. 11; Serial No. 198,991; published Aug. 19, 1924.
 Dietzen, Inc., New York, N. Y. Head phones, condensers, rheostats, radio loud speakers and sets. 191,630; Nov. 11; Serial No. 196,444; published Aug. 26, 1924.
 Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 191,425; Nov. 11; Serial No. 194,913; published Aug. 5, 1924.
 Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 191,651-2; Nov. 11.
 Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 191,633; Nov. 11.
 Doble Steam Motors, Emeryville, Calif. Automobiles. 191,677; Nov. 11.
 Eagle Dye Works, Pawtucket, R. I. Twine. 191,506; Nov. 11; Serial No. 175,653; published Aug. 12, 1924.
 Edwards Merchant Tailor, Chicago, Ill. Clothing. 191,673; Nov. 11.
 Egg-O-Wave Company. (See Pyle, Charles G.)
 Electrodrive Manufacturing Company, Inc., Syracuse, N. Y. Electric tools for driving studs, nuts, etc. 191,408; Nov. 11; Serial No. 197,196; published Aug. 12, 1924.
 Endocrine Institute, Inc., New York, N. Y. Ovoid pills to be used in organotherapy. 191,463; Nov. 11; Serial No. 199,166; published Aug. 19, 1924.
 Epstein, Isaac, Newark, N. J. Canned and preserved fish. 191,473; Nov. 11; Serial No. 198,628; published Aug. 19, 1924.
 Fahlstrom, Adolph A., doing business as R-Juna Chemical Company, Minneapolis, Minn. Skin cream and tooth paste. 191,542; Nov. 11; Serial No. 184,283; published Aug. 19, 1924.
 Fellinger, Elizabeth, doing business as Elizabeth Fellinger School of Beauty Culture, New York, N. Y. Face powders and creams, toilet water, rouges, etc. 191,452; Nov. 11; Serial No. 199,548; published Aug. 19, 1924.
 Ferrolene Oxygen Company of America, Cleveland, Ohio. Gaseous-fuel compounds. 191,448; Nov. 11; Serial No. 199,615; published Aug. 19, 1924.
 Fitch, F. W., Company, The, Des Moines, Iowa. Hair tonic. 191,480; Nov. 11; Serial No. 196,734; published Aug. 19, 1924.
 Fluegelman & Co. Inc., New York, N. Y. Trade publications. 191,530; Nov. 11; Serial No. 199,282; published Aug. 19, 1924.
 Fort Howard Paper Company, Green Bay, Wis. Toilet paper, towels, and napkins. 191,519; Nov. 11; Serial No. 197,928; published July 29, 1924.
 French, T. R., Company, The, Rochester, N. Y. Bird food. 191,680; Nov. 11.
 Garfunkel, Benjamin J., doing business as Garvé, New York, N. Y. Hat stretchers. 191,608; Nov. 11; Serial No. 195,881; published Aug. 26, 1924.
 Garvé. (See Garfunkel, Benjamin J.)
 Gelferman, Anne W., New York, N. Y. Shoulder strap for ladies' underwear. 191,471; Nov. 11; Serial No. 198,798; published Aug. 12, 1924.
 Glasco Electric Co., St. Louis, Mo. Electrical devices, supplies, and equipment. 191,610; Nov. 11; Serial No. 195,511; published Aug. 26, 1924.

Glenn & Essington, doing business as Orlando Morning Sentinel, Orlando, Fla. Heading for newspaper articles. 191,584; Nov. 11; Serial No. 195,233; published Aug. 19, 1924.
 Glover, H. Clay, Co., Inc., New York, N. Y. Animal medicine. 191,451; Nov. 11; Serial No. 199,552; published Aug. 19, 1924.
 Goldschmidt Corporation, The, New York, N. Y. Radio apparatus. 191,615; Nov. 11; Serial No. 185,180; published Aug. 26, 1924.
 Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber tiling. 191,653; Nov. 11.
 Grafo Pencil Company, Ltd., Ceske Budejovice, Czechoslovakia. Pencils. 191,508; Nov. 11; Serial No. 184,445; published July 29, 1924.
 Greist Manufacturing Company, The, New Haven, Conn. Portable-electric-lamp units. 191,570; Nov. 11; Serial No. 162,544; published Aug. 12, 1924.
 Haight, G. W., doing business as Onola Manufacturing Company, Los Angeles, Calif. Face powder, lemon cream, motor cream, etc. 191,609; Nov. 11; Serial No. 195,820; published Aug. 26, 1924.
 Haley-Cate-Rockwood Company, Everett, Mass. Cork-sole wetting. 191,616; Nov. 11; Serial No. 182,906; published Aug. 26, 1924.
 Hall Bros. & Co., Incorporated, Baltimore, Md. Fuel briquettes. 191,558; Nov. 11; Serial No. 191,433; published Apr. 29, 1924.
 Hampton Roads Paper Company, Norfolk, Va. Toilet paper. 191,637; Nov. 11; Serial No. 197,432; published Aug. 5, 1924.
 Hansen Company, The, Chicago, Ill. Electric transformers. 191,536; Nov. 11; Serial No. 199,115; published Aug. 26, 1924.
 Hanson, David L., doing business as Mefree Chem. Co., Walnut, N. C. Composition for the treatment of pyorrhea. 191,534; Nov. 11; Serial No. 190,617; published Aug. 19, 1924.
 Hartman Furniture & Carpet Company, Chicago, Ill. Furniture magazine. 191,517; Nov. 11; Serial No. 197,811; published Aug. 26, 1924.
 Hartman Product Co., Kansas City, Kans. Healing anti-septic germicide for treatment of pyorrhea, bleeding gums, etc. 191,525; Nov. 11; Serial No. 199,690; published Aug. 26, 1924.
 Hayes, Mary S., doing business as M. S. H. Co., Boston, Mass. Hair tonic. 191,489; Nov. 11; Serial No. 197,933; published Aug. 19, 1924.
 Hearn, James A. & Son Inc., New York, N. Y. Cold cream. 191,539; Nov. 11; Serial No. 195,283; published Aug. 19, 1924.
 Hecht, Sigmund G., doing business as Pearlgo Co., New York, N. Y. Chemical compound for cleaning real and artificial pearls. 191,440; Nov. 11; Serial No. 195,397; published Aug. 12, 1924.
 Henderson, Arza N., Watertown, N. Y. Preparation for an ointment for eczema. 191,477; Nov. 11; Serial No. 196,593; published Aug. 19, 1924.
 Herkimer Specialties Corporation, Cold Brook, N. Y. Service wagons, tea wagons or tea carts, and food carriages. 191,625; Nov. 11; Serial No. 183,161; published Aug. 26, 1924.
 Herriot Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes and all leather articles. 191,428; Nov. 11; Serial No. 196,168; published Aug. 12, 1924.
 Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes and all leather articles. 191,445; Nov. 11; Serial No. 195,887; published Aug. 12, 1924.
 Heyman & Blasinger Co., New York, N. Y. Hosiery, sweaters, and knitted underwear. 191,550; Nov. 11; Serial No. 188,842; published May 6, 1924.
 Hickman & Dozier, doing business as Aunt Lou Medicine Company, Winstboro, La. Tonic for sour stomach, indigestion, etc. 191,476; Nov. 11; Serial No. 196,456; published Aug. 19, 1924.
 Higgins, Wm. A., & Co., Inc., New York, N. Y. Walnuts. 191,562; Nov. 11; Serial No. 181,071; published Aug. 19, 1924.
 Hill, A. E., Mfg. Co., Atlanta, Ga. Complete radio receiving and sending sets and instruments and parts thereof. 191,605; Nov. 11; Serial No. 196,521; published Aug. 26, 1924.
 Hill's Mixture Corporation, Augusta, Ga. Insect destroyer or disinfectant. 191,578; Nov. 11; Serial No. 179,002; published Aug. 19, 1924.
 Hoff, Archie C., Los Angeles, Calif. Annual publication. 191,629; Nov. 11; Serial No. 196,706; published Aug. 26, 1924.
 Holland, R. F., doing business as Berkeley Drug Company, Asheville, N. C. Preparations for influenza, torpid liver, malaria, etc. 191,643; Nov. 11.
 Holmes, Edwin A., Chicago, Ill. Candles. 191,654; Nov. 11.
 Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Plates, cups, jugs, and dishes. 191,569; Nov. 11; Serial No. 167,637; published Oct. 9, 1923.
 Incandescent Supply Company, New York, N. Y. Gas burners, fixtures, brackets, mantles, etc. 191,513; Nov. 11; Serial No. 199,024; published Aug. 26, 1924.
 Independent Publications, Inc., The, Boston, Mass. Magazine. 191,410; Nov. 11; Serial No. 196,870; published Aug. 19, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ink-Out Mfg. Co. (See Cardinell, John D., assignor.)
 International Company, The. (See Blackman, Maurice, assignor.)
 Jacawa Medicine Co., New Orleans, La. Lung balsam, herb tea, and liniment. 191,557; Nov. 11; Serial No. 190,839; published Aug. 19, 1924.
 Jackson, Edwin A., & Bro. Inc., New York, N. Y. Imitation fuel for stoves and grates. 191,622; Nov. 11; Serial No. 174,963; published Aug. 26, 1924.
 Jacob, Arthur, Chicago, Ill. Periodical. 191,528; Nov. 11; Serial No. 199,063; published Aug. 19, 1924.
 Jewett Radio & Phonograph Co., Detroit, Mich. Amplifying horns for radio loud speakers. 191,613; Nov. 11; Serial No. 192,619; published Aug. 26, 1924.
 Joannot Fils & Cie., Paris, France. Combs. 191,411; Nov. 11; Serial No. 196,707; published Aug. 19, 1924.
 Johnson, Milton C., Co., New York, N. Y. Flat writing bindings. 191,412; Nov. 11; Serial No. 196,063; published July 29, 1924.
 Johnson, Ray D., doing business as Johnson Manufacturing Co., Almena, Kans. Tops for vehicles. 191,664; Nov. 11.
 Johnson, Scott W., doing business as Pure Drug Products Co., Cincinnati, Ohio. Analgesic alternative nutritive body builder and blood purifier. 191,491; Nov. 11; Serial No. 198,359; published Aug. 19, 1924.
 Joseph Company, The, New York, N. Y. Street brooms and brushes. 191,675; Nov. 11.
 Kaufman-Norton Co., San Francisco, Calif. Gas furnaces. 191,501; Nov. 11; Serial No. 182,216; published Aug. 26, 1924.
 Kay and Ellinger, Inc., New York, N. Y. Matches and match packs. 191,438; Nov. 11; Serial No. 195,004; published June 3, 1924.
 Kearney, A. K., doing business as Special Remedies Company, Oakland, Calif. Preparation for the treatment of eczema. 191,641; Nov. 11.
 Keast, Alfred H., San Francisco, Calif. Sticker-tape-moistening machines. 191,496; Nov. 11; Serial No. 177,441; published July 29, 1924.
 Kendall Manufacturing Company, Providence, R. I. Washing and cleansing preparations. 191,426; Nov. 11; Serial No. 194,451; published Aug. 12, 1924.
 Kendall Manufacturing Company, Providence, R. I. Washing and cleansing preparations. 191,457; Nov. 11; Serial No. 198,286; published Aug. 12, 1924.
 Kent & Co., Trenton, N. J. Chemical preparation for use as a carbon remover. 191,523; Nov. 11; Serial No. 199,229; published Aug. 26, 1924.
 Keuffel & Esser Company, Hoboken, N. J. Transparent (tracing) cloth. 191,640; Nov. 11; Serial No. 197,819; published July 29, 1924.
 Kirkman Engineering Corporation, New York, N. Y. Condensers, rheostats, lightning arresters, etc. 191,413; Nov. 11; Serial No. 196,524; published Aug. 12, 1924.
 Kirschner, M., & Sons, doing business as Marjolaine Dresses, New York, N. Y. Dresses, capes, sport suits, outer skirts, waists, etc. 191,565; Nov. 11; Serial No. 176,742; published May 22, 1923.
 Kopper Kraft Shops, Inc., The, Buffalo, N. Y. Stationery sets. 191,427; Nov. 11; Serial No. 194,403; published Aug. 5, 1924.
 Latona Laboratories. (See Cavalliotis, Sophie M.)
 Lebedeff, V. V., Inc., New York, N. Y. Salt-cured smoked ham and bacon, canned caviar, and camembert cheese. 191,443; Nov. 11; Serial No. 195,526; published Sept. 9, 1924.
 Lectrodio Company, The, Lynn, Mass. Radio vacuum tubes. 191,607; Nov. 11; Serial No. 195,907; published Aug. 26, 1924.
 Lee-Greefens Co. Inc., San Francisco, Calif. Ice-cream powder, pie filling, etc. 191,572; Nov. 11; Serial No. 141,984; published Aug. 5, 1924.
 Leigh Chemist, Inc., New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 191,644; Nov. 11.
 Lero Drug Company. (See Robinson, Lester G.)
 Lilley Co., The, Columbus, Ohio. Suitcases, traveling bags, hat boxes, portfolios, and brief cases. 191,642; Nov. 11.
 Lincoln Products Co., Chicago, Ill. Shock absorbers. 191,645; Nov. 11.
 Loscalzo, Dominick, doing business as Associated Feature Service, Brooklyn, N. Y. Cartoon prints. 191,595; Nov. 11; Serial No. 198,716; published Aug. 19, 1924.
 Ludington, Ruby, Seattle, Wash. Facial cream. 191,435; Nov. 11; Serial No. 194,931; published Aug. 19, 1924.
 Lubnow, Christian A., New York, N. Y. Monthly magazine. 191,596; Nov. 11; Serial No. 198,810; published Aug. 19, 1924.
 Lytton, Walter, Inc., Chicago, Ill. Radio sets adapted for combination with phonographs, radio receiving sets, loud speakers, etc. 191,509; Nov. 11; Serial No. 193,527; published Aug. 12, 1924.
 M. S. H. Co. (See Hayes, Mary S.)
 Macy, R. H., & Co., Inc., New York, N. Y. Trunks and bags. 191,638; Nov. 11; Serial No. 197,545; published July 29, 1924.
 Malatesta, Joseph F., Boston, Mass. Olive oil. 191,621; Nov. 11; Serial No. 167,727; published Feb. 19, 1924.
 Map-Flake Mills, Inc., Chicago, Ill. Breakfast cereals. 191,527; Nov. 11; Serial No. 199,845; published Aug. 26, 1924.

Marathon Battery Company, Wausau, Wis. Batteries and dry cells. 191,537; Nov. 11; Serial No. 198,811; published Aug. 26, 1924.
 Marjolaine Dresses. (See Kirschner, M., & Sons.)
 Masonic Service Association of the United States, The, Washington, D. C. Monthly magazine. 191,481; Nov. 11; Serial No. 196,819; published Aug. 12, 1924.
 McAnerney, Joseph A., Company, New York, N. Y. Electric vacuum cleaners including parts thereof and repair parts. 191,614; Nov. 11; Serial No. 191,179; published Aug. 26, 1924.
 McBee Binder Company, The, Athens, Ohio. Filing cabinets. 191,574; Nov. 11; Serial No. 179,809; published Aug. 12, 1924.
 Mefree Chem. Co. (See Hanson, David L.)
 Melcher, Carl A., McFarland, Calif. Fresh grapes. 191,646; Nov. 11.
 Merdoc Chemical Co. (See Miller, Otto H.)
 Mica Insulator Company, New York, N. Y. Fabricated composite materials for electrical insulation purposes. 191,507; Nov. 11; Serial No. 191,335; published Aug. 12, 1924.
 Miller, Otto H., doing business as Merdoc Chemical Co., Wilmington, Del. Medicinal preparation. 191,468; Nov. 11; Serial No. 198,953; published Aug. 19, 1924.
 Moore, William E., doing business as Moore Laboratories, Chicago, Ill. Hair tonic. 191,526; Nov. 11; Serial No. 199,712; published Aug. 26, 1924.
 Mueller Baking Co., Bowling Green, Mo. Bread. 191,626; Nov. 11; Serial No. 188,692; published Jan. 15, 1924.
 Murray, Dennis T., Bridgeport, Conn. Cleaning composition. 191,559; Nov. 11; Serial No. 191,715; published Aug. 12, 1924.
 Murray Products Company, The, Detroit, Mich. Furniture, household tables, office tables, etc. 191,555; Nov. 11; Serial No. 191,905; published Aug. 12, 1924.
 Musical Products Distributing Co. Inc., New York, N. Y. Radio apparatus, parts, and supplies. 191,434; Nov. 11; Serial No. 194,730; published Aug. 12, 1924.
 Mydar Radio Co., The, Newark, N. J. Radio electrical apparatus and component parts thereof. 191,424; Nov. 11; Serial No. 195,118; published Aug. 12, 1924.
 National Aniline & Chemical Company, Inc., New York, N. Y. Laundry blue. 191,454; Nov. 11; Serial No. 199,484; published Aug. 19, 1924.
 National Paper Products Company, San Francisco, Calif., and Carthage, N. Y. Toilet tissue paper. 191,506; Nov. 11; Serial No. 191,555; published July 29, 1924.
 Neron, Louis, New Bedford, Mass. Medical preparation for the purification of the blood, etc. 191,544; Nov. 11; Serial No. 185,258; published Aug. 12, 1924.
 New England Electric Specialty Co., now by change of name Northeastern Radio Inc., Boston, Mass. Publications. 191,484-5; Nov. 11; Serial Nos. 197,874-5; published Aug. 12, 1924.
 New England Laboratory Co., Lynn, Mass. Preparation for the hair and scalp. 191,459; Nov. 11; Serial No. 199,240; published Aug. 19, 1924.
 Northeastern Radio Incorporated. (See New England Electric Specialty Co.)
 Northrup, King & Co., Minneapolis, Minn. Lawn-grass seed. 191,520; Nov. 11; Serial No. 199,382; published Aug. 26, 1924.
 Northwest Canning Company, Salem, Oreg. Canned berries, fruits, and vegetables. 191,665; Nov. 11.
 Nottingham Lace Works, Jersey City, N. J. and New York, N. Y. Laces, handkerchiefs, embroideries, draperies, etc. 191,576; Nov. 11; Serial No. 179,316; published Oct. 2, 1923.
 Olless Core Binder Company, The, Cleveland, Ohio. Oil-less core binder. 191,502; Nov. 11; Serial No. 183,849; published July 29, 1924.
 Onola Manufacturing Company. (See Haight, G. W.)
 Oriza L. LeGrand. (See Schuhl, Armand.)
 Orlando Morning Sentinel. (See Glenn & Essington.)
 Orono Pulp & Paper Company, Bangor, Me. Wrapping paper. 191,423; Nov. 11; Serial No. 195,122; published Aug. 12, 1924.
 Pacific Coast Club, Long Beach, Calif. Title for magazine. 191,600; Nov. 11; Serial No. 199,016; published Aug. 19, 1924.
 Pacific Novelty Company, New York, N. Y. Barrettes and combs made of pyroxylin. 191,479; Nov. 11; Serial No. 196,671; published Aug. 12, 1924.
 Parks Bros., Inc., Portland, Oreg. Washing powder. 191,556; Nov. 11; Serial No. 192,998; published Aug. 12, 1924.
 Patent Cereals Company, The, Geneva, N. Y. Corn-flour preparation. 191,513; Nov. 11; Serial No. 194,284; published July 8, 1924.
 Pathe Phonograph and Radio Corporation, Brooklyn, N. Y. Radio receiving sets and parts thereof. 191,421-2; Nov. 11; Serial Nos. 195,981-2; published Aug. 12, 1924.
 Pearlgo Co. (See Hecht, Sigmund G.)
 Pennsylvania Pulverizing Company, Lewistown, Pa. Silica. 191,666-70; Nov. 11.
 Pen-O-Pencil Company, New York, N. Y. Combination fountain pens and pencils. 191,495; Nov. 11; Serial No. 175,268; published Aug. 12, 1924.
 Phelps, Jerry E., Pierre, S. Dak. Medicine for hay fever, asthma, etc. 191,478; Nov. 11; Serial No. 196,619; published Aug. 19, 1924.

iv ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Pick, Albert & Company, Chicago, Ill. Playing cards. 191,682; Nov. 11.

Pittsburgh Coal Company, Minneapolis, Minn. Coal. 191,649; Nov. 11.

Platt, W. C., Company, The, Cleveland, Ohio. Daily publication. 191,456; Nov. 11; Serial No. 199,315; published Aug. 19, 1924.

Playtime Manufacturing Company, The, Columbus, Ohio. Folding tents. 191,493; Nov. 11; Serial No. 198,473; published Aug. 12, 1924.

Poncelot Company, The, Philadelphia, Pa. Ointment or antiseptic preparation, hair tonic, and tooth paste. 191,462; Nov. 11; Serial No. 199,183; published Aug. 19, 1924.

Procter and Gamble Company, The, Cincinnati, Ohio. Red oil. 191,487; Nov. 11; Serial No. 197,904; published Aug. 19, 1924.

Public Press Corporation, New York, N. Y. Daily publication. 191,455; Nov. 11; Serial No. 199,321; published Aug. 19, 1924.

Pure Drug Products Co. (See Johnson, Scott W.).

Pyle, Charles G., doing business as Egg-O-Wave Company, Youngstown, Ohio. Hairdressing. 191,450; Nov. 11; Serial No. 199,573; published Aug. 19, 1924.

Rand Company, Inc., North Tonawanda, N. Y. Indexes. 191,585-6; Nov. 11; Serial Nos. 198,251-2; published July 29, 1924.

Rapaport, Maurice & Company, New York, N. Y. Smokers' pipes and cigarette and cigar holders. 191,678; Nov. 11.

Rayner Pharmaceutical Company, Philadelphia, Pa. Preparation for treatment of tubercular, pulmonary, and bronchial affections. 191,474; Nov. 11; Serial No. 198,403; published Aug. 19, 1924.

Regan Safety Devices Company, Inc., The, New York, N. Y. Electrical apparatus for use in automatic train-control systems. 191,498; Nov. 11; Serial No. 180,618; published Aug. 12, 1924.

Remiller Co., The, New York, N. Y. Face powder. 191,618; Nov. 11; Serial No. 178,672; published Aug. 26, 1924.

Republic Rubber Company, The, Youngstown, Ohio. Tires and inner tubes. 191,581; Nov. 11; Serial No. 181,867; published July 17, 1923.

Rex-Oil Company, Inc., The, Pittsburgh, Pa. Preparation for cleaning and polishing. 191,472; Nov. 11; Serial No. 198,476; published Aug. 12, 1924.

Rindberger Manufacturing Corporation, Chicago, Ill. Lamp shades. 191,612; Nov. 11; Serial No. 194,569; published Aug. 26, 1924.

R-juna Chemical Company. (See Fahlstrom, Adolph A.).

Robinson, Lester G., doing business as Lero Drug Company, Baltimore, Md. Restorative for physical weakness, tonic tablet. 191,531; Nov. 11; Serial No. 199,495; published Aug. 19, 1924.

Romeo Limited, Holborn, London, England. Card-index system. 191,497; Nov. 11; Serial No. 180,389; published July 22, 1924.

Rose, E. W., Company, Cleveland, Ohio. Preparation for the skin and scalp and an ointment for external use. 191,482; Nov. 11; Serial No. 196,824; published Aug. 19, 1924.

St. Leon, Lillian, New York, N. Y. Complexion lotion. 191,465; Nov. 11; Serial No. 199,095; published Aug. 19, 1924.

Sar-A-Lee Company, The, Cleveland, Ohio. Salad dressings. 191,662; Nov. 11.

Sattels, Joseph T., doing business as Ambassador Sales Company, New York, N. Y. Radio receiving sets and parts thereof, phones, etc. 191,631; Nov. 11; Serial No. 196,714; published Aug. 26, 1924.

Schaffer, William H., Allentown, Pa. Candles. 191,564; Nov. 11; Serial No. 177,052; published Aug. 19, 1924.

Schubel, Armand, doing business as Oriza L. Legrand, Paris, France. Perfumes, toilet water, etc. 191,461; Nov. 11; Serial No. 199,186; published Aug. 19, 1924.

Schwab, Harold M., Inc., New York, N. Y. Radio products. 191,661; Nov. 11.

Seelig, Sam, Co., Los Angeles, Calif. Publication. 191,599; Nov. 11; Serial No. 198,969; published Aug. 19, 1924.

Serono, Cesare, Rome, Italy. Preparation for curing disorders of the digestive organs. 191,567; Nov. 11; Serial No. 171,830; published Aug. 12, 1924.

Sharp, L. J., doing business as Sitticide Company, Commerce, Ga. Preparation for the treatment of itch and other skin diseases. 191,460; Nov. 11; Serial No. 199,190; published Aug. 19, 1924.

Shaw, Virgil E., Rockford, Ill. Metal flux for brazing cast iron. 191,488; Nov. 11; Serial No. 197,910; published Aug. 19, 1924.

Shifman Brothers, Newark, N. J. Mattresses. 191,486; Nov. 11; Serial No. 197,783; published Aug. 19, 1924.

Sichel-Bleistiftfabrik A. G. vorm. M. Melnitsberger & Co., Nuremberg, Germany. Paper, envelopes, pads, etc. 191,505; Nov. 11; Serial No. 187,962; published July 29, 1924.

Sifers, Harry I., doing business as The Sifers Confection Co., Kansas City, Mo. Candy. 191,623; Nov. 11; Serial No. 178,067; published June 12, 1923.

Silverstein, Al. M., & Bro. Inc., New York, N. Y. Wrapping, tissue, and writing paper, pencils, etc. 191,639; Nov. 11; Serial No. 197,626; published Aug. 5, 1924.

Simes, Neil H., Louisville, Ky. Newspaper feature. 191,534; Nov. 11; Serial No. 190,815; published Aug. 12, 1924.

Simplex Wire & Cable Company, Boston, Mass. Wire for electrical use, conducting wire, insulating coverings for conducting wire. 191,594; Nov. 11; Serial No. 198,589; published Aug. 26, 1924.

Simpson, Thomas, Beaumont, Tex. Medicine for gonorrhea, gleet, and stricture. 191,433; Nov. 11; Serial No. 194,307; published Aug. 19, 1924.

Sitticide Company. (See Sharp, L. J.).

Smith, Addie E., doing business as Smith Brothers, Oakland, Calif. Liquid medicine for coughs, etc. 191,458; Nov. 11; Serial No. 199,260; published Aug. 19, 1924.

Sonora Phonograph Company, Inc., New York, N. Y. Wireless apparatus and devices. 191,619; Nov. 11; Serial No. 161,866; published Aug. 26, 1924.

Southern Hat Co., Inc., New Orleans, La. Men's hats. 191,546; Nov. 11; Serial No. 186,679; published Jan. 22, 1924.

Special Remedies Company. (See Kearney, A. K.).

Spool Wire Company, The. (See Colvin, James.).

Stanley, John T., Co. Inc., New York, N. Y. Laundry soap. 191,464; Nov. 11; Serial No. 199,132; published Aug. 12, 1924.

Straubel Machine Company, Green Bay, Wis. Toilet paper, paper towels, and paper napkins. 191,499; Nov. 11; Serial No. 182,072; published July 29, 1924.

Strauss & Blum, Inc., New York, N. Y. Electrical soldering irons, electric bells, sockets, and motors. 191,617; Nov. 11; Serial No. 178,881; published Aug. 26, 1924.

Sulka, A., & Company, New York, N. Y. Shirts, undershirts, ties, hosiery, etc. 191,674; Nov. 11.

Sulpho-Naphthol Company, The, Boston, Mass. Antiseptic ointment for cuts, burns, etc. 191,475; Nov. 11; Serial No. 196,409; published Aug. 12, 1924.

Sultan, Ernest J., Mfg. Co., doing business for the use and benefit of Frederick B. Abenheim, San Francisco, Calif. Desks, tables, cabinets, used in the operation of radio apparatus. 191,580; Nov. 11; Serial No. 167,365; published Aug. 12, 1924.

Superior Novelty Mfg. Co., Inc., Linden, N. J. Combs. 191,447; Nov. 11; Serial No. 196,204; published Aug. 12, 1924.

Sykes, Sir Charles, & Sons, Limited, Netherdale, Galashiels, Scotland. Woolen piece goods. 191,541; Nov. 11; Serial No. 198,385; published Aug. 19, 1924.

Sy-Po Chemical Company. (See Barber, Robert B.).

Tenally Weavers, Inc., The, Tenafly, N. J. Small table dollies, bureau scarfs, etc. 191,552; Nov. 11; Serial No. 189,646; published Aug. 5, 1924.

Terry, Geo. A., Mfg. Co. Inc., Buffalo, N. Y. Liquid in which dental instruments are bathed. 191,635; Nov. 11; Serial No. 197,344; published Aug. 19, 1924.

Thayer, Frances, Portland, Me. Blood regulator. 191,655; Nov. 11.

Thermol Lubricants Co., Tulsa, Okla. Petroleum products consisting of lubricating oils and greases. 191,568; Nov. 11; Serial No. 167,696; published Dec. 12, 1922.

Thierne, A. Co., Chicago, Ill. Medicine for coughs and colds and for stomach, etc., troubles. 191,446; Nov. 11; Serial No. 195,923; published Aug. 19, 1924.

Thompson Germicidal Sterilizer Co. Inc., Los Angeles, Calif. Toothbrush-disinfecting solutions. 191,602; Nov. 11; Serial No. 197,631; published Aug. 26, 1924.

Tilghman Moyer Company, Allentown, Pa. Title of a periodical publication. 191,492; Nov. 11; Serial No. 198,358; published Aug. 12, 1924.

Torsion Test Piston Ring Corporation, Newark, N. J. Piston rings. 191,657; Nov. 11.

Trenton Porcelain Company, The, Trenton, N. J. Electric insulators. 191,415; Nov. 11; Serial No. 196,488; published Aug. 12, 1924.

Tribune Company, The, Chicago, Ill. Newspaper column. 191,597-8; Nov. 11; Serial Nos. 198,892-3; published Aug. 19, 1924.

Tri-City Radio Electric Supply Co., Davenport, Iowa. Radio receiving sets and parts thereof. 191,510-11; Nov. 11; Serial Nos. 193,556-7; published Aug. 12, 1924.

Twedite Manufacturing Co., Portsmouth, Va. Chemical preparation for use as a carbon remover. 191,522; Nov. 11; Serial No. 198,974; published Aug. 26, 1924.

Union Labor Publishing Association, Los Angeles, Calif. Weekly periodical. 191,611; Nov. 11; Serial No. 194,682; published Aug. 5, 1924.

United Business Service Company, Boston, Mass. Publication. 191,414; Nov. 11; Serial No. 196,493; published Aug. 19, 1924.

United Drug Company, Boston, Mass. Papeteries, writing tablets, and envelopes. 191,547; Nov. 11; Serial No. 186,813; published Aug. 12, 1924.

United Electric Stores Company of New Jersey, New Market and Plainfield, N. J., and New York, N. Y. Wireless and radio telegraphy and telephony apparatus, etc. 191,549; Nov. 11; Serial No. 187,551; published Aug. 12, 1924.

Vaughan Company, Chicago, Ill. Electrically-operated meat and bone cutting machines. 191,418; Nov. 11; Serial No. 196,359; published Aug. 12, 1924.

Velvo Baking Powder Co., The. (See Carpenter, Frank.).

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Vestal Chemical Company, St. Louis, Mo. Soaps, lavatory, toilet, and floor cleansers, and metal polishes. 191,634; Nov. 11; Serial No. 197,308; published Aug. 19, 1924.

Voss & Stern, New York, N. Y. Printed silk and cotton and cotton piece goods. 191,679; Nov. 11.

Western Salt Co., San Diego, Calif. Salt. 191,579; Nov. 11; Serial No. 178,584; published Aug. 19, 1924.

Westinghouse Union Battery Company, Swissvale, Pa. Secondary batteries. 191,658; Nov. 11.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 191,469; Nov. 11; Serial No. 198,922; published Aug. 12, 1924.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 191,470; Nov. 11; Serial No. 198,918; published Aug. 19, 1924.

Willard Medicine Co. (See Cole, William G.).

Windshield Scupper Company, New York, N. Y. Scuppers. 191,660; Nov. 11.

Wright, John H., New York, N. Y. Magazine. 191,529; Nov. 11; Serial No. 199,102; published Aug. 19, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Einar Hanavik & Co., Bergen, Norway. Canned sardines. 185,357; Nov. 11.

Abbey & Imbrie, New York, N. Y. Enameled silk fly-casting lines. 202,606; Nov. 11.

Ace High Hat Company, New York, N. Y. Women's and girls' hats and hat frames. 202,089; Nov. 11.

Ajax Linoleum Products Company, Oak Harbor, Ohio. Linoleum cement. 195,791; Nov. 11.

Aktieselskabet H. E. Gosch & Co.'s Tændstikfabriker og Aktietændstikfabriken Godthaab, Copenhagen, Denmark. 199,736; Nov. 11.

Alcone Knitting Mills, San Francisco, Calif. Knitted products. 200,084; Nov. 11.

All Metal Casket Company, The, Mansfield, Ohio. Metal caskets. 200,599; Nov. 11.

Anaconda Copper Mining Company, New York, N. Y. Rivets, screws, nails, etc. 196,635; Nov. 11.

Anderson Bros. & Johnson Co., Wausau, Wis. Granite memorials. 200,701; Nov. 11.

Arabol Mfg. Co., The, New York, N. Y. Vegetable adhesives. 198,210; Nov. 11.

Arlington Chemical Co., The, Yonkers, N. Y. Medicinal preparation. 203,104; Nov. 11.

Ascher, M., Silk Corporation, New York, N. Y. Silk, artificial-silk, cotton, etc., piece goods. 200,236; Nov. 11.

Atoz Packing Co., The. (See Brown, Jacob.).

Bachmann, Robert A., doing business as The Sanitube Company, Newport, R. I. Preparation for use as a gargle or mouth wash. 202,970; Nov. 11.

Bako Process Company, Minneapolis, Minn. Paints, paint enamel, crack sealer, and paint remover. 200,603; Nov. 11.

Barbera, Pietro, Burlington, Vt. Preparation for lung troubles and throat ailments. 202,849; Nov. 11.

Barrett Company, The, New York, N. Y. Asphalt felt. 173,273; Nov. 11.

Batcheller-McConnell Company, Limited, New York, N. Y. Cement-asbestos shingles. 200,130; Nov. 11.

Belcano Company. (See Rowden, Mary E.).

Bell Chemical Co., Chicago, Ill. Bug liquid, ant powder, bug powder, etc. 190,088; Nov. 11.

Bell Chemical Works. (See Wildman, Earl.).

Bemis Bro. Bag Company, St. Louis, Mo. Moistureproof jute or cotton bags. 200,604; Nov. 11.

Berneburg, Eduard, Leipzig, Germany. Loose-leaf ledger and files. 197,920; Nov. 11.

Biggs, Robert H., St. Catharines, Ontario, Canada. Garters. 197,860; Nov. 11.

Bilhuber, E., Inc., New York, N. Y. Medicinal preparation for the kidneys and heart. 202,973; Nov. 11.

Bobek, Anthony, doing business as A. Bobek Co., Monterey Park, Calif. Medicinal preparations. 202,850; Nov. 11.

Bond Chemist Shop, Inc., Hartford, Conn. Polishes for automobiles and furniture. 201,692; Nov. 11.

Boas Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Gloves and mittens. 194,518-23; Nov. 11.

Boyce & Veeder Company, Inc., Long Island City, N. Y. Treated gasoline. 200,180; Nov. 11.

Brilliant Silk Hosiery Co., Bloomfield, N. J. Hosiery. 163,777; Nov. 11.

Brown, Jacob, doing business as The Atoz Packing Co., Newark, N. J. Metallurgical packing for machinery. 184,323; Nov. 11.

Brunswick-Harris Corp'n, New York, N. Y. Cotton piece goods. 202,484; Nov. 11.

Bullock, Los Angeles, Calif. Window-shade cloth. 196,902; Nov. 11.

Carlson, John E., doing business as Wonder-Wax Company, Chicago, Ill. Polish for hardwood floors, automobiles, etc. 202,611; Nov. 11.

Carroll, William, & Company, Inc., New York, N. Y. Hats and caps. 186,585; Nov. 11.

Central Door and Lumber Company, Portland, Oreg. Wooden garage doors, French doors, etc. 198,223; Nov. 11.

Central Scientific Company, Chicago, Ill. Weighing scales, barometers, pressure gauges, etc. 185,443; Nov. 11.

Century Products Co., Chicago, Ill. Soothing and healing deodorant antiseptic powder. 202,854; Nov. 11.

Chemische Werke Grenzach Aktiengesellschaft, Grenzach, Germany. Soporific. 202,928; Nov. 11.

Chep Steel Wool Co., Inc., New York, N. Y. Steel wool and soap. 203,253; Nov. 11.

Ciacella, Henry, Philadelphia, Pa. Hair-waving lotion. 194,162; Nov. 11.

Cimenteries et Briqueteries Réunies de Bonne Espérance, Raevels et Loën, Ste. Ame, Antwerp, Belgium. Cements. 183,433; Nov. 11.

Claridge Frock. (See Richman, Samuel.).

Clark Knitting Co., Inc., Utica, N. Y. Ladies' knitted sport coats, children's one-piece dresses, and men's coats, etc. 202,438; Nov. 11.

Climacene Company, The, Canton, Ohio. Disinfectant and deodorizer. 202,795; Nov. 11.

Columbus-Union Oil Cloth Co., The, Columbus, Ohio. Oilcloth. 203,401; Nov. 11.

Continental Drug Corporation, St. Louis, Mo. Cathartic compound. 202,490; Nov. 11.

Continental Laboratories, Inc., New York, N. Y. Vaginal antiseptic, etc., tablets. 203,111; Nov. 11.

Corby Baking Co. Inc., The, Washington, D. C. Bread. 202,742; Nov. 11.

Cor-Pur Products Company, Ogden, Utah. Boiler-cleaning compound. 203,225; Nov. 11.

Corticelli Silk Company, The, Florence, Northampton, Mass. Silk, worsted, and cotton broad goods in the piece. 184,390; Nov. 11.

Covert & Workman, New York, N. Y. Blankets. 202,659; Nov. 11.

Crawford-Austin Manufacturing Co., Waco, Tex. Detachable wagon covers. 199,680; Nov. 11.

Curschen, Abraham L., doing business as Nodust Products Company, Muncie, Ind. Cleansing and polishing cloth. 203,112; Nov. 11.

David, John, New York, N. Y. Men's suits, overcoats and raincoats. 200,095; Nov. 11.

Delson, H. Jay, doing business as Economy Clothing Mfg. Company, Chicago, Ill. Men's suits, coats, and trousers. 196,581; Nov. 11.

Dipple, Charles W., doing business as Chas. W. Dipple Carver Polish Co., Washington, D. C. Furniture and automobile polish. 202,005; Nov. 11.

Dowell Indicator Corporation, New York, N. Y. Electrically-operated motor-temperature indicators. 198,176; Nov. 11.

Drake, Alfred E., Los Angeles, Calif. Radiator guards, radiator caps, and bumpers. 177,430; Nov. 11.

Dregely, Mary, doing business as La Mode Cosmetic Co., New York, N. Y. Face lotions and sunburn lotion. 198,947; Nov. 11.

Eastern Felt Company, Winchester, Mass. Polishing wheels and felts therefor. 199,543-6; Nov. 11.

Eaton-Dikeman Co., The, Lee, Mass. Filter paper. 194,697; Nov. 11.

Economy Clothing Mfg. Company. (See Delson, H. Jay.).

Edmanson-Bock Catering Co., Chicago, Ill. Beverages and strups for making the same. 202,860-1; Nov. 11.

Empire Shield Company, New York, N. Y. Step-ins and bloomers. 180,594; Nov. 11.

Esmond Mills, The, Esmond, R. I. Textile blankets and textile blanket material. 201,657; Nov. 11.

Evans Lead Company, Charleston, W. Va. Red lead. 202,552; Nov. 11.

Excelsior Saline Water Company, Excelsior Springs, Mo. Natural mineral waters. 202,054; Nov. 11.

Exchange Sawmills Sales Company, Kansas City, Mo. Lumber. 203,170; Nov. 11.

Farwell, John V., Company, Chicago, Ill. Underwear and hosiery. 201,433; Nov. 11.

Fisher Bros. Paper Company, Fort Wayne, Ind. Bags, baking cups, corrugated-paper boxes, etc. 200,875; Nov. 11.

Florida Shop, Inc., The, New York, N. Y. Preserved fruits, jelly, marmalade, honey, etc. 202,391; Nov. 11.

Forester Shoe Manufacturing Company, Seattle, Wash. Leather boots and shoes. 203,115; Nov. 11.

Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Box-board, cardboard, and paper boxes and containers. 198,515; Nov. 11.

Fort Smith Bakery. (See Young, Eugene W.).

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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Fuller-Morrison Company, Chicago, Ill. Floor wax. 201,928; Nov. 11.
 Glanforth, A. & F., Harrisburg, Pa. General tonic. 202,804; Nov. 11.
 Glidden Company, The, Cleveland, Ohio. Wood lacquer. 199,057; Nov. 11.
 Glycas Medicine Company. (See Whinrey, Edwin A.)
 Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 203,033; Nov. 11.
 Goldman, Sigmund L., doing business as Red Sun Products Co., Chicago, Ill. Malt sirup. 201,953; Nov. 11.
 Grant, W. T. Company, Lynn, Mass., and New York, N. Y. Cooking utensils. 203,119; Nov. 11.
 Greenberg, Charles, New York, N. Y. Boys' blouses. 201,748; Nov. 11.
 Greene, Lloyd C., Winthrop, Mass. Complete wireless receiving sets. 196,914; Nov. 11.
 Gumpert, I. J., and Sons, Inc., New York, N. Y. Cravats. 202,624; Nov. 11.
 Hale, Alfred, Rubber Company, Atlantic, Quincy, Mass. Soles for boots, shoes, and slippers. 202,011; Nov. 11.
 Handy-Tite Patch Company, Detroit, Mich. Patches for rubber goods. 193,708; Nov. 11.
 Hannen, William E., Shelbyville, Mich. Eggs, live and dressed poultry, butter, etc. 196,111; Nov. 11.
 Haron Manufacturing Company Inc., New York, N. Y. Hospital and institutional garments. 190,882; Nov. 11.
 Hart & Elsenor Co., Los Angeles, Calif. Underwear, hosiery, sweaters, etc. 199,062; Nov. 11.
 Henkel & Cie. Gesellschaft mit beschränkter Haftung, Düsseldorf-Holthausen, Germany. Preparations for washing and scouring purposes, soaps, and washing powders. 202,705; Nov. 11.
 Herrera, Mauro, doing business as The Resistol Company, Los Angeles, Calif. Leather preservative and dressing. 202,750; Nov. 11.
 Hershey, George S., Los Angeles, Calif. Powder puffs. 202,626; Nov. 11.
 Hess, N. & Bro., Inc., Baltimore, Md. Boots and shoes. 201,031; Nov. 11.
 Hirsch-Weiss Manufacturing Company, Portland, Ore. Waterproof outer garments for men. 202,627; Nov. 11.
 Hobbs, Clarence, doing business as Products Research Laboratories, Los Angeles, Calif. Preparation for exterminating the growth of hair. 203,179; Nov. 11.
 Hoenigsberger, A., Chicago, Ill. Silk, mohair, etc., textile fabrics in the piece. 203,180; Nov. 11.
 Hollow Ball Company Incorporated, Baltimore, Md. Metal balls used in valves, floats, etc. 200,621; Nov. 11.
 Horwitz Brothers, Elmira, N. Y. Toilet paper. 189,852; Nov. 11.
 Hoyt, F. M., Shoe Company, Manchester, N. H. Boots, shoes, and slippers. 198,412; Nov. 11.
 Hub Hosiery Mills, Boston, Mass. Infants' hose. 201,898; Nov. 11.
 Hudson, J. L. Company, The, Buffalo, N. Y. Men's hats. 198,138; Nov. 11.
 Huebschman, Hyman, doing business as Ritz Chemical Co., Brooklyn, N. Y. Preparation for treatment of corns. 200,121; Nov. 11.
 Hummel-Ross Fibre Corporation, Hopewell, Va. Wrapping paper. 197,377; Nov. 11.
 Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Carafes, jugs, coffee, tea, chocolate, and beverage pots, etc. 167,632; Nov. 11.
 Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Lunch boxes, lunch-eon cases, carrying cases, etc. 167,633; Nov. 11.
 Ison, Edward L., New York, N. Y. Clothing for men, women, and children. 184,133; Nov. 11.
 Independent Coal Company, Huntington, W. Va., and Toledo, Ohio. Coal. 200,394; Nov. 11.
 International Company, The, Baltimore, Md. Cake. 202,808; Nov. 11.
 Iodi-Salt Company, The. (See Kelling, William B.)
 Jacobs Hat and Cap Works, Portland, Ore. Men's hats and caps. 163,219; Nov. 11.
 Johnson Educator Food Company, Cambridge, Mass. Crackers. 202,994; Nov. 11.
 Kayser, Julius, & Co., New York, N. Y. Fabric and piece goods made of silk, artificial silk, cotton, or a combination thereof. 203,081; Nov. 11.
 Kelling, William B., doing business as The Iodi-Salt Company, Salt Lake City, Utah. Medicated silk. 199,117; Nov. 11.
 Kentucky Holding Corporation, The, Louisville, Ky. Cheese. 202,345; Nov. 11.
 Key-James Brick Company, Alton Park, Tenn. Bricks. 201,293; Nov. 11.
 Kinesthetic Process Co., Inc., Long Island City, N. Y. Golf balls. 199,995; Nov. 11.
 Kleer Chemical Corporation, Chicago, Ill. Liquid for cleaning glass. 202,628; Nov. 11.
 Knitwear Promoters, Inc., New York, N. Y. Sweaters, knitted dresses and coats. 201,706-7; Nov. 11.
 Kops Bros. Inc., New York, N. Y. Corsets, brassières, girdles, and like underwear. 201,089; Nov. 11.
 Kuhnert, Charles, doing business as Wisconsin Patent Medicine Company, Wauwatosa, Wis. Preparation for the treatment of rheumatism, and hair restorer. 200,626; Nov. 11.
 Kuppenheimer, B., & Co., Inc., Chicago, Ill. Overcoats. 202,348; Nov. 11.
 Labelle Clothing Co., Steubenville, Ohio. Silk and wool stockings. 202,780; Nov. 11.
 La Mode Cosmetic Co. (See Dregely, Mary.)
 Lebrecht, Charles E., Oakland, Calif. Electric Flytrap. 202,812; Nov. 11.
 Lewis, Martha H., doing business as Martha Lewis Fruit Products Company, Denver, Colo. Liquid compound for soft drinks. 187,471; Nov. 11.
 Library Bureau, Cambridge, Mass. Indexes and parts thereof. 200,002; Nov. 11.
 Lilly, Eli, & Company, Indianapolis, Ind. Medicine or pharmaceutical preparation. 202,297; Nov. 11.
 Lorraine Health Institutions, The, New Orleans, La. Remedy for disorder of the kidneys, stomach, and bowels. 202,814; Nov. 11.
 Lorraine Manufacturing Company, Pawtucket, R. I. Cotton goods and cotton and artificial-silk piece goods. 203,085; Nov. 11.
 Los Angeles Creamery Company, Los Angeles, Calif. Motor trucks. 203,320; Nov. 11.
 Los Angeles Soap Company, Los Angeles, Calif. Soap. 202,877; Nov. 11.
 Louis, Otto F., Bay City, Mich. Small portable houses. 202,878; Nov. 11.
 Louisiana Farm Bureau Rice Growers Co-Operative Assn., Crowley, La. Rice. 202,879; Nov. 11.
 Louisiana Margarine Company, New Orleans, La. Oleomargarine. 191,890; Nov. 11.
 Louisville Paper Company, Louisville, Ky. Writing and printing papers. 201,094; Nov. 11.
 Lucas, John, & Company, Incorporated, Philadelphia, Pa. Lacquers. 203,066; Nov. 11.
 Luedke, Edward A., Shoe Co., Milwaukee, Wis. Boots and shoes. 190,302-3; Nov. 11.
 Macey Company Limited, The, Glasgow, Scotland. Bound loose-leaf books. 201,571; Nov. 11.
 Magic Collieries Company, Nortonville, Ky. Coal. 199,235; Nov. 11.
 Malley, Edw., Co., The, New Haven, Conn. Children's shoes. 201,814; Nov. 11.
 Markham Bros. Limited, Leicester, England. Hosiery and underwear. 195,753; Nov. 11.
 Martinez, José A., Zaragoza, Spain. Pressure cookers. 190,304; Nov. 11.
 Master House Bureau, The, Cleveland, Ohio. Blank construction policies and specifications. 197,102; Nov. 11.
 McLaurin-Jones Co., Brookfield, Mass. Gummed paper. 191,274; Nov. 11.
 Merit Baby Wear Co., New York, N. Y. Infants' sleeping garments. 144,578; Nov. 11.
 Messenger Paper Company, Chicago, Ill. Papers for writing, greeting cards, and cover purposes. 198,321; Nov. 11.
 Metropolitan Cutting & Converting Co. Inc., New York, N. Y. Silks, satins, cotton piece goods, and ribbons. 202,817; Nov. 11.
 Mittelman, L. & Co., Inc., New York, N. Y. Dresses. 202,029; Nov. 11.
 Munro, Harold W., Providence, R. I. Candy, crackers, cookies, bread, and cake. 199,290; Nov. 11.
 N. V. Maatschappij tot Exploitatie van de Haagsche Hoopjes- en Chocoladefabriek van P. Nieuwerkerk & Zoon, The Hague, Netherlands. Sugar candy. 199,080; Nov. 11.
 Namm, Abraham, Chicago, Ill. Waterproof coats and capes. 201,367; Nov. 11.
 Nash, Cora E., doing business as Elizabeth Nash, Newark, N. J. Face powder. 203,189; Nov. 11.
 Nash, Cora E., doing business as Elizabeth Nash, Newark, N. J. Face, cleansing, tissue, and foundation creams. 203,190; Nov. 11.
 National Pile Fabric Company, Paterson, N. J. Pile fabrics. 201,619; Nov. 11.
 Nature's Natural Remedies, Inc., Fredericksburg, Tex. Blood purifier. 202,456; Nov. 11.
 Neuss, Hesslein & Co., Inc., New York, N. Y. Cotton piece goods. 203,139; Nov. 11.
 Newmark & Braude, New York, N. Y. Ladies' underwear. 201,672; Nov. 11.
 Newport Manufacturing Co., The, Newport, Ky. Children's play vehicles. 200,958; Nov. 11.
 Nodust Products Company. (See Curschen, Abraham L.)
 Nuart Print Works, Garfield, N. J. Cotton piece goods. 202,819; Nov. 11.
 Ocean Lumber Company, San Francisco, Calif. Lumber. 198,468; Nov. 11.
 Olmsted, Leon A., doing business as Vim Chain Stores, Chicago, Ill. Striking bag, racket cover, balls, etc. 179,219; Nov. 11.
 Omaha Packing Company, Chicago, Ill. Bacon. 196,186; Nov. 11.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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Optische Anstalt C. P. Goerz Aktiengesellschaft, Berlin-Friedenau, Germany. Photographic hand cameras and stand cameras, enlarging apparatus, etc. 181,259-60; Nov. 11.
 Orange County Fruit Exchange, Orange, Calif. Fresh oranges. 202,887; Nov. 11.
 Packard Electric Company, The, Warren, Ohio. Electric insulated wire. 199,715-16; Nov. 11.
 Palmer Candy Co., Sioux City, Iowa. Candy. 202,822; Nov. 11.
 Patrelle Freres et Fils, Les Lillias, France. Hair oils. 202,679; Nov. 11.
 Payson Varnish Co., The, New York, N. Y. Ready-mixed paints. 202,951; Nov. 11.
 Peeler, William C., Columbia, S. C. Beverage sold as a soft drink. 201,854; Nov. 11.
 Perkins, E. Stanley, doing business as Perkins & Co., Philadelphia, Pa. Leather. 197,165; Nov. 11.
 Pine Rub Company, The. (See Shemp, Russell N.)
 Pioneer Paper Company, Los Angeles, Calif. Composition ready or prepared roofing. 203,197; Nov. 11.
 Pioneer Paper Company, Los Angeles, Calif. Asphalt saturated and coated reinforcing felt for build-up roofing, waterproofing, and dampproofing. 203,199; Nov. 11.
 Plee-Zing Corporation, The, New York, N. Y. Matches. 203,145; Nov. 11.
 Pointer Hosiery Co., High Point, N. C. Men's half hose. 201,464; Nov. 11.
 Polar Ice Laboratory, Kansas City, Mo. Toilet preparations. 202,892; Nov. 11.
 Polish Sales Company. (See Zellot, Ernest.)
 Portland-Cement-Fabrik Dyckerhoff & Soehne G. m. b. H., Amoneburg b/Biebrich a/Rhein, Germany. Cement. 200,460; Nov. 11.
 Price Clothing Company, Fayetteville, Ark. Outer suits, shoes, hats, etc. 202,461; Nov. 11.
 Products Research Laboratories. (See Hobbs, Clarence.)
 Publ. John, Products Co., The, Chicago, Ill. Ammonia. 198,071-2; Nov. 11.
 Purify Paper Vessels Co., The, Baltimore, Md. Cans or containers for ice cream, etc. 200,776; Nov. 11.
 Read, F. A., Inc., New York, N. Y. Paper devices for lining fruit receptacles. 198,678; Nov. 11.
 Red Sun Products Co. (See Goldman, Sigmund L.)
 Reggio, Christy, Brooklyn, N. Y. Sanitary syringes. 202,418; Nov. 11.
 Reinbold Metallurgical Company, The, Omaha, Neb. Oil-refining clays for refining and bleaching petroleum oil. 200,340; Nov. 11.
 Remiller Co., The, New York, N. Y. Perfumes and toilet waters. 186,446; Nov. 11.
 Remiller Co., The, New York, N. Y. Bath salts. 202,962; Nov. 11.
 Resistol Company, The. (See Herrera, Mauro.)
 Reynolds, Ralph V., Chicago, Ill. Hanger or rack. 189,07; Nov. 11.
 Richards-Wilcox Manufacturing Company, Aurora, Ill. Window hardware. 200,120; Nov. 11.
 Richman, Samuel, doing business as Claridge Frock, New York, N. Y. Ladies' and misses' frocks, dresses, coats, and suits. 198,883; Nov. 11.
 Riley Shoe Manufacturing Co., The, Columbus, Ohio. Shoes. 203,241; Nov. 11.
 Ritz Chemical Co. (See Huebschman, Hyman.)
 Rodney Milling Co., Kansas City, Mo. Wheat flour. 202,517; Nov. 11.
 Rosenberg Bros. & Co., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 202,144; Nov. 11.
 Rothman, Benjamin, Inc., New York, N. Y. Women's shoes, boots, pumps, and slippers. 190,272; Nov. 11.
 Roubaix Mills, Inc., New York, N. Y., and Clinton, Mass. Piece goods made of wool. 203,007; Nov. 11.
 Rouss, Charles Broadway, New York, N. Y. Hosiery. 198,966; Nov. 11.
 Rowden, Mary E., doing business as Belcano Company, San Francisco, Calif. Cosmetics for the skin and hair. 199,763; Nov. 11.
 Salzer, Arthur, New York, N. Y. Statuary novelties and plastic figures. 201,103; Nov. 11.
 Sanitube Company, The. (See Bachmann, Robert A.)
 Scheid, August P., Kalamazoo, Mich. Cheese. 202,716; Nov. 11.
 Schermerhorn, H. Louis, Los Angeles, Calif. Hot-air furnaces. 195,197; Nov. 11.
 Schertz, Christian, New Orleans, La. Alkaline antiseptic deodorant. 202,824; Nov. 11.
 Schieren, Chas. A., Company, New York, N. Y. Machine belting. 194,180; Nov. 11.
 Schoedinger, F. O., Columbus, Ohio. Metal furniture. 172,177; Nov. 11.
 Shemp, Russell N., doing business as The Pine Rub Company, Philadelphia, Pa. Ointment for pneumonia, bronchitis, colds, etc. 201,049; Nov. 11.
 Shotwell Mfg. Co., Chicago, Ill. Candy bar. 201,590; Nov. 11.
 Smaltz-Goodwin Company, Philadelphia, Pa. Shoes. 203,391; Nov. 11.
 Smith Agricultural Chemical Company, The, Columbus, Ohio. Hog feed. 202,520; Nov. 11.
 Smith Agricultural Chemical Company, The, Columbus, Ohio. Hog feed. 202,523; Nov. 11.
 Smith & Hartnett, Philadelphia, Pa. Ladies' hats. 201,311; Nov. 11.
 Sofstep Company, The, New York, N. Y. Foot powders. 203,096; Nov. 11.
 Stahl Newspaper Supply Company, Portland, Ore. Newspaper-press blankets. 202,150; Nov. 11.
 Standard Oil Company of New York, New York, N. Y. Benzine. 201,725; Nov. 11.
 Stanley, John T., Co., Inc., New York, N. Y. Soap. 202,524; Nov. 11.
 Stein, S., & Co., New York, N. Y. Woolen goods. 202,082; Nov. 11.
 Stephenson Specialty Company, The, Hartford, Conn. Portable files. 199,906; Nov. 11.
 Sterling Engine Company, Buffalo, N. Y. Internal-combustion engines. 201,101; Nov. 11.
 Stoeger, Alexander F., New York, N. Y. Shotguns. 203,341; Nov. 11.
 Stopshok Wheel Co., Inc., The, Indianapolis, Ind. Circulars published semiannually. 122,737; Nov. 11.
 Stronge and Warner Company, St. Paul, Minn. Ladies' hats. 201,865; Nov. 11.
 Style-Arch Shoe Co., Cincinnati, Ohio. Shoes. 180,197; Nov. 11.
 Swabb, Roland F., doing business as Wonder Chemical Co., Hummelstown, Pa. Embalming fluid. 192,649; Nov. 11.
 Texas Portland Cement Company, Dallas, Tex. Portland cement. 200,019; Nov. 11.
 Tirrill Gas Machine Lighting Co., New York, N. Y. Gas machines, laboratory burners, fuel-gas plants, etc. 202,528; Nov. 11.
 Topsail Manufacturing Company, Inc., The, New Haven, Conn. Varnish liquid refinishes for use on metal and wood. 200,412; Nov. 11.
 Torrey, Lerol B., Medford, Mass. Paper, envelopes, and cards. 200,970; Nov. 11.
 Tubular Heating & Ventilating Company, Philadelphia, Pa. Warm-air furnaces. 157,888; Nov. 11.
 Union Indemnity Company, New Orleans, La., and New York, N. Y. Periodical publications. 193,007; Nov. 11.
 United Chemical Products Company, Pittsburgh, Pa., and Buena Vista, Va. Fertilizers. 201,631; Nov. 11.
 Vim Chain Stores. (See Olmsted, Leon A.)
 Virginia Smelting Company, Portland, Me. Liquid sulphur dioxide. 203,098; Nov. 11.
 Walliser, H. F., Company, Chicago, Ill. Rope portières. 200,536; Nov. 11.
 Wamsutta Mills, New Bedford, Mass. Cotton piece goods. 203,062; Nov. 11.
 Warner Brothers Company, The, Bridgeport, Conn. Women's undergarments, including corsets. 195,727; Nov. 11.
 Waverly Oil Works Company, Pittsburgh, Pa. Lubricants for metal-cutting tools. 201,065; Nov. 11.
 Wayagamack Pulp & Paper Company, Limited, Three Rivers, Quebec, Canada. Papers and envelopes. 199,962; Nov. 11.
 Wayagamack Pulp & Paper Company, Three Rivers, Quebec, Canada. Pulp. 199,963; Nov. 11.
 Weinberg & Witt, Inc., New York, N. Y. Velvet, silk, satin, and cotton and silk mixture fabrics in the piece, etc. 203,073; Nov. 11.
 Weyenberg Shoe Manufacturing Co., Milwaukee, Wis. Boots and shoes and heels and soles. 202,042; Nov. 11.
 Wheary-Burge Trunk Company, Racine, Wis. Trunks. 203,355; Nov. 11.
 Whinrey, Edwin A., doing business as Glycas Medicine Company, Muncie, Ind. Blood medicine. 202,603; Nov. 11.
 White Star Refining Company, Detroit, Mich. Combined cleanser and lubricant for internal-combustion engines. 202,653; Nov. 11.
 Wildman, Earl, doing business as Bell Chemical Works, Bellevue, Ky. Bay rum, soda mint, sweet oil, etc. 201,870; Nov. 11.
 Williams Bros. Aircraft Corporation, San Francisco, Calif. Motor-vehicle accessories. 201,421; Nov. 11.
 Wisconsin Patent Medicine Company. (See Kuhnert, Charles.)
 Wonder Chemical Co. (See Swabb, Roland F.)
 Wonder Wax Company. (See Carlson, John E.)
 Yorke Shirt Company, The, Glens Falls and New York, N. Y. Negligee and dress shirts. 202,312-13; Nov. 11.
 Young, Eugene W., doing business as Fort Smith Bakery, Fort Smith, Ark. Bread. 192,464; Nov. 11.
 Youngstown Pressed Steel Company, The, Warren, Ohio. Metal channel iron, studding, bearing strips, and the like. 199,269; Nov. 11.
 Youngstown Pressed Steel Company, The, Warren, Ohio. Metal channel iron, studding, bearing strips, and the like. 199,271; Nov. 11.
 Zellot, Ernest, doing business as Polish Sales Company, New York, N. Y. Furniture polish. 198,694; Nov. 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Clarkson Coal and Dock Company. 191,650; Nov. 11.
Coal. De Bardeleben Coal Corporation. 191,606; Nov. 11; Serial No. 190,443; published Aug. 26, 1924.
Coal. Pittsburg Coal Company. 191,649; Nov. 11.
Fuel briquettes. Hall Bros. & Co. 191,558; Nov. 11; Serial No. 191,433; published Apr. 29, 1924.
Rubber, Mineral. Barber Asphalt Company. 191,538; Nov. 11; Serial No. 198,779; published Aug. 26, 1924.
Rubber, Mineral. Barber Asphalt Company. 191,539; Nov. 11; Serial No. 198,503; published Aug. 26, 1924.
Seed, Lawn-grass. Northrup, King & Co. 191,520; Nov. 11; Serial No. 199,382; published Aug. 26, 1924.
Silica. Pennsylvania Pulverizing Company. 191,606-70; Nov. 11.

CLASS 3.

Suitcases, traveling bags, etc. Lilley Co. 191,042; Nov. 11.
Trunks and bags. R. H. Macy & Co. 191,038; Nov. 11; Serial No. 197,543; published July 22, 1924.

CLASS 4.

Chemical compound for cleaning real and artificial pearls. S. G. Hecht. 191,440; Nov. 11; Serial No. 195,397; published Aug. 12, 1924.
Cleaning composition. D. T. Murray. 191,559; Nov. 11; Serial No. 191,713; published Aug. 12, 1924.
Cleaning dental instruments, liquid for. Geo. A. Terry Mfg. Co. 191,635; Nov. 11; Serial No. 197,344; published Aug. 19, 1924.
Cleaning, shining, and polishing shoes and all leather articles. Preparations for. Herriott Polish Company. 191,428; Nov. 11; Serial No. 196,168; published Aug. 12, 1924.
Cleaning, shining, and polishing shoes and all leather articles. Preparations for. Herriott Polish Company. 191,445; Nov. 11; Serial No. 195,887; published Aug. 12, 1924.
Polish, shaving soap, polishing stone, etc. Knife. Aktiebolaget Yxy-Fabriken. 191,506; Nov. 11; Serial No. 191,114; published Aug. 19, 1924.
Preparation for cleaning and polishing shoes. Rex-Oil Company. 191,472; Nov. 11; Serial No. 198,476; published Aug. 12, 1924.
Preparation for washing and scouring. Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. 191,633; Nov. 11; Serial No. 196,905; published Aug. 19, 1924.
Soap, Laundry. John T. Stanley Co. 191,464; Nov. 11; Serial No. 199,132; published Aug. 12, 1924.
Soaps, lavatory, toilet and floor cleansers, and metal polishes. Vestal Chemical Company. 191,634; Nov. 11; Serial No. 197,308; published Aug. 19, 1924.
Washing and cleansing preparation. Kendall Manufacturing Company. 191,426; Nov. 11; Serial No. 194,451; published Aug. 12, 1924.
Washing and cleansing preparations. Kendall Manufacturing Company. 191,457; Nov. 11; Serial No. 199,286; published Aug. 12, 1924.
Washing powder. Parks Bros., Inc. 191,536; Nov. 11; Serial No. 192,998; published Aug. 12, 1924.
Washing powder for dishes and like articles. Chemo Products Co. 191,429; Nov. 11; Serial No. 193,272; published Aug. 12, 1924.

CLASS 5.

Adhesives. Arabol Mfg. Co. 191,582; Nov. 11; Serial No. 198,211; published Aug. 5, 1924.
Core binder. Oilless. Oilless Core Binder Company. 191,502; Nov. 11; Serial No. 193,849; published July 29, 1924.
Flour preparation. Corn. Patent Cereals Company. 191,513; Nov. 11; Serial No. 194,284; published July 8, 1924.
Size, Wall. Arabol Mfg. Co. 191,583; Nov. 11; Serial No. 198,212; published Aug. 5, 1924.
Waterproofing and seal-forming materials. Cello Products Incorporated. 191,500; Nov. 11; Serial No. 182,133; published July 22, 1924.

CLASS 6.

Analeptic alternative nutritive body builder and blood purifier. S. W. Johnson. 191,491; Nov. 11; Serial No. 198,359; published Aug. 19, 1924.
Baking powder. F. Carpenter. 191,490; Nov. 11; Serial No. 198,112; published Aug. 19, 1924.
Blood regulator. F. Thayer. 191,655; Nov. 11.
Blue, Laundry. National Aniline & Chemical Company. 191,454; Nov. 11; Serial No. 199,484; published Aug. 19, 1924.
Chemical preparation. Tweedite Manufacturing Co. 191,522; Nov. 11; Serial No. 198,974; published Aug. 26, 1924.
Chemical preparation for use as a carbon remover. Kent & Co. 191,523; Nov. 11; Serial No. 199,229; published Aug. 26, 1924.

viii

Complexion lotion. L. St. Leon. 191,465; Nov. 11; Serial No. 199,095; published Aug. 19, 1924.
Composition for the treatment of pyorrhea. D. L. Hanson. 191,534; Nov. 11; Serial No. 199,617; published Aug. 19, 1924.
Cream and tooth paste. Skin. A. A. Fahstom. 191,542; Nov. 11; Serial No. 194,283; published Aug. 19, 1924.
Cream, Cold. James A. Hearn & Son Inc. 191,439; Nov. 11; Serial No. 195,283; published Aug. 19, 1924.
Cream, Facial. R. Ludington. 191,435; Nov. 11; Serial No. 194,931; published Aug. 19, 1924.
Creams, Vanishing day and night. S. M. Cavallotti. 191,577; Nov. 11; Serial No. 179,132; published Aug. 19, 1924.
Disinfecting solutions, Toothbrush. Thompson Germicidal Sterilizer Co. 191,602; Nov. 11; Serial No. 197,631; published Aug. 26, 1924.
Gaseous-fuel compounds. Terrolene Oxygen Company of America. 191,448; Nov. 11; Serial No. 199,615; published Aug. 19, 1924.
Germicide, Healing antiseptic. Hartman Product Co. 191,525; Nov. 11; Serial No. 199,090; published Aug. 26, 1924.
Hairdressing. C. G. Pyle. 191,450; Nov. 11; Serial No. 199,573; published Aug. 19, 1924.
Hairdressings, perfumes, and essences, etc. Baldwin Perfumery Co. 191,436; Nov. 11; Serial No. 194,770; published Aug. 19, 1924.
Hair tonic. F. W. Fitch Company. 191,480; Nov. 11; Serial No. 196,734; published Aug. 19, 1924.
Hair tonic. M. S. Hayes. 191,489; Nov. 11; Serial No. 197,933; published Aug. 19, 1924.
Hair tonic. W. E. Moore. 191,526; Nov. 11; Serial No. 199,712; published Aug. 26, 1924.
Ink eradicator. J. D. Cardinell. 191,553; Nov. 11; Serial No. 189,841; published Aug. 19, 1924.
Insect destroyer or disinfectant. Hill's Mixture Corporation. 191,578; Nov. 11; Serial No. 179,602; published Aug. 19, 1924.
Linctant. C. E. Barrett. 191,431-2; Nov. 11; Serial Nos. 194,248-9; published Aug. 19, 1924.
Lung balsam, herb tea, and liniment. Jacawa Medicine Co. 191,557; Nov. 11; Serial No. 190,839; published Aug. 19, 1924.
Medical preparation for the purification of the blood, etc. L. Neron. 191,544; Nov. 11; Serial No. 185,258; published Aug. 12, 1924.
Medicinal preparation. O. H. Miller. 191,468; Nov. 11; Serial No. 198,983; published Aug. 19, 1924.
Medicine for coughs, colds, stomach trouble, etc. A. Thieme Co. 191,446; Nov. 11; Serial No. 195,923; published Aug. 19, 1924.
Medicine for gonorrhea, gleet, and stricture. T. Simpson. 191,433; Nov. 11; Serial No. 194,307; published Aug. 19, 1924.
Medicine for hay fever, asthma, etc. J. E. Phelps. 191,478; Nov. 11; Serial No. 196,019; published Aug. 19, 1924.
Medicine for hoarseness, colds, etc. A. E. Smith. 191,458; Nov. 11; Serial No. 199,260; published Aug. 19, 1924.
Medicines, Animal. H. Clay Glover Co. 191,451; Nov. 11; Serial No. 199,552; published Aug. 19, 1924.
Metal fluxes for brazing cast iron. V. E. Shaw. 191,488; Nov. 11; Serial No. 197,910; published Aug. 19, 1924.
Oil, Red. Procter and Gamble Company. 191,487; Nov. 11; Serial No. 197,904; published Aug. 19, 1924.
Ointment for cuts, burns, etc. Antiseptic. Sulpho-Napthol Company. 191,475; Nov. 11; Serial No. 196,409; published Aug. 12, 1924.
Ointment or antiseptic preparation, hair tonic, and tooth paste. Pancerol Company. 191,462; Nov. 11; Serial No. 199,183; published Aug. 19, 1924.
Pads, Medicinal. Crawford & Stanley. 191,441; Nov. 11; Serial No. 195,499; published Aug. 19, 1924.
Perfumes, toilet water, etc. A. Schuhl. 191,461; Nov. 11; Serial No. 199,186; published Aug. 19, 1924.
Pharmaceutical preparation, Cathcart and Cathcart, Inc. 191,467; Nov. 11; Serial No. 198,984; published Aug. 19, 1924.
Pills to be used in organotherapy. Ovoid. Endocrine Institute, Inc. 191,463; Nov. 11; Serial No. 199,106; published Aug. 19, 1924.
Powder, Face. Remiller Company. 191,618; Nov. 11; Serial No. 178,072; published Aug. 26, 1924.
Powder, lemon cream, motor cream, etc. Face. G. W. Haight. 191,609; Nov. 11; Serial No. 195,820; published Aug. 26, 1924.
Powders and creams, perfumes, etc. Face. Denney & Denney. 191,656; Nov. 11.
Powders and creams, perfumes, etc. Face. Leigh Chemist, Inc. 191,644; Nov. 11.
Powders, creams, rouges, etc., Face. E. Fallinger. 191,452; Nov. 11; Serial No. 199,548; published Aug. 19, 1924.
Preparation for an ointment for eczema. A. N. Henderson. 191,477; Nov. 11; Serial No. 196,593; published Aug. 19, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

ix

Preparation for curing disorders of the digestive organs. C. Serono. 191,507; Nov. 11; Serial No. 171,830; published Aug. 12, 1924.
Preparation for rheumatism, lumbago, sprains, etc. R. B. Barber. 191,540; Nov. 11; Serial No. 198,501; published Aug. 26, 1924.
Preparation for the hair and scalp. New England Laboratory Co. 191,459; Nov. 11; Serial No. 199,240; published Aug. 19, 1924.
Preparation for the skin and scalp and an ointment for external use. E. W. Rose Company. 191,482; Nov. 11; Serial No. 196,824; published Aug. 19, 1924.
Preparation for the treatment of eczema. A. K. Kearney. 191,641; Nov. 11.
Preparation for the treatment of itch and other skin diseases. L. J. Sharp. 191,460; Nov. 11; Serial No. 199,190; published Aug. 19, 1924.
Preparation for the treatment of tubercular, pulmonary, and bronchial affections. Raymer Pharmaceutical Company. 191,474; Nov. 11; Serial No. 196,403; published Aug. 19, 1924.
Preparations for influenza, torpid liver, malaria, etc. R. F. Holland. 191,643; Nov. 11.
Restorative for physical weakness, tonic tablet. L. G. Robinson. 191,531; Nov. 11; Serial No. 199,495; published Aug. 19, 1924.
Salt. Western Salt Co. 191,579; Nov. 11; Serial No. 178,584; published Aug. 19, 1924.
Salts, Aromatic Epsom. Aromalts Company. 191,449; Nov. 11; Serial No. 199,598; published Aug. 19, 1924.
Salve. O. H. Carey. 191,532; Nov. 11; Serial No. 199,537; published Aug. 19, 1924.
Tonic and an ointment, Blood. W. G. Cole. 191,659; Nov. 11.
Tonic for sour stomach, indigestion, etc. Hickman & Dozier. 191,476; Nov. 11; Serial No. 196,456; published Aug. 19, 1924.
Tonic, Wine. H. F. Dewey & Sons Company. 191,460; Nov. 11; Serial No. 198,991; published Aug. 19, 1924.

CLASS 7.

Twine. Eagle Dye Works. 191,566; Nov. 11; Serial No. 175,653; published Aug. 12, 1924.

CLASS 8.

Matches and match packs. Kay and Ellinger, Inc. 191,438; Nov. 11; Serial No. 195,004; published June 3, 1924.
Pipes and cigar and cigarette holders. Smokers'. M. Rapoport. 191,678; Nov. 11.

CLASS 12.

Scuppers. Windshield Scupper Company. 191,660; Nov. 11.
Tilling, Rubber. Goodyear Tire & Rubber Company. 191,653; Nov. 11.

CLASS 15.

Petroleum products. Thermol Lubricants Co. 191,568; Nov. 11; Serial No. 187,696; published Dec. 12, 1922.

CLASS 17.

Cigars. Coraza Cigar Co. 191,548; Nov. 11; Serial No. 187,045; published Jan. 22, 1924.

CLASS 19.

Automobile radiators. Auto Radiator Manufacturing Co. 191,681; Nov. 11.
Automobiles. Doble Steam Motors. 191,677; Nov. 11.
Shock absorbers. Lincoln Products Co. 191,645; Nov. 11.
Vehicle tops. R. D. Johnson. 191,664; Nov. 11.

CLASS 21.

Batteries and dry cells. Marathon Battery Company. 191,537; Nov. 11; Serial No. 198,811; published Aug. 26, 1924.
Batteries, Secondary. Westinghouse Union Battery Company. 191,658; Nov. 11.
Battery terminals and clips, etc. Battery Equipment & Supply Co. 191,672; Nov. 11.
Condensers, rheostats, loud speakers, etc. Kirkman Engineering Corporation. 191,413; Nov. 11; Serial No. 196,524; published Aug. 12, 1924.
Electric-current-flow indicators. Chemical Machinery Experiment Co. 191,620; Nov. 11; Serial No. 164,491; published Aug. 26, 1924.
Electric-light-fixture units, electrical switches, electric ranges, etc. F. A. Boss. 191,512; Nov. 11; Serial No. 193,755; published Aug. 12, 1924.
Electric tools for driving studs, nuts, etc. Electrodrive Manufacturing Company. 191,408; Nov. 11; Serial No. 197,196; published Aug. 12, 1924.
Electric transformers. Hansen Company. 191,536; Nov. 11; Serial No. 199,115; published Aug. 26, 1924.
Electrical devices, supplies, and equipment. Glasco Electric Co. 191,610; Nov. 11; Serial No. 195,511; published Aug. 26, 1924.
Fuel for stoves and grates, Imitation. Edwin A. Jackson & Bro. Inc. 191,622; Nov. 11; Serial No. 174,903; published Aug. 26, 1924.
Furnaces, Gas. Kauffman-Norton Co. 191,501; Nov. 11; Serial No. 182,215; published Aug. 26, 1924.

Head phones, condensers, rheostats, etc. Dietzen, Inc. 191,630; Nov. 11; Serial No. 196,444; published Aug. 26, 1924.
Insulation, Composition of asbestos for use for electrical. Asbestos & Electrical Fittings Co. Ltd. 191,604; Nov. 11; Serial No. 196,949; published Aug. 26, 1924.
Insulation purposes, Fabricated composite materials for electrical. Mica Insulator Company. 191,507; Nov. 11; Serial No. 191,335; published Aug. 12, 1924.
Insulators, Electric. Trenton Porcelain Company. 191,415; Nov. 11; Serial No. 196,488; published Aug. 12, 1924.
Lamp units, Portable-electric. Greist Manufacturing Company. 191,570; Nov. 11; Serial No. 162,544; published Aug. 12, 1924.
Lighting outfits, B batteries, flash-light batteries, and plugs, Christmas-tree. Deal Electric Co. 191,592-3; Nov. 11; Serial Nos. 198,509-10; published Aug. 26, 1924.
Meat and bone cutting machines, Electrically-operated. Vaughan Company. 191,418; Nov. 11; Serial No. 196,359; published Aug. 12, 1924.
Motors, generators, rotary converters, etc. Electric. Louis Allis Company. 191,628; Nov. 11; Serial No. 195,730; published Aug. 26, 1924.
Radio apparatus. Columbia Phonograph Company. 191,603; Nov. 11; Serial No. 197,191; published Aug. 26, 1924.
Radio apparatus. Columbia Phonograph Company. 191,632; Nov. 11; Serial No. 197,190; published Aug. 26, 1924.
Radio apparatus. Goldschmidt Corporation. 191,615; Nov. 11; Serial No. 185,180; published Aug. 26, 1924.
Radio apparatus, parts, and supplies. Musical Products Distributing Co. 191,434; Nov. 11; Serial No. 194,730; published Aug. 12, 1924.
Radio crystals and crystal detectors. H. C. Breckenridge. 191,420; Nov. 11; Serial No. 196,330; published Aug. 12, 1924.
Radio electrical apparatus and component parts thereof. Mydar Radio Co. 191,424; Nov. 11; Serial No. 195,118; published Aug. 12, 1924.
Radio loud speakers, Amplifying horns for. Jewett Radio & Phonograph Co. 191,613; Nov. 11; Serial No. 192,619; published Aug. 26, 1924.
Radio parts. Ackerman Bros. Company. 191,663; Nov. 11.
Radio products. Harold M. Schwab, Inc. 191,661; Nov. 11.
Radio receiving and sending sets and instruments and parts thereof. Complete. A. E. Hill Mfg. Co. 191,606; Nov. 11; Serial No. 196,621; published Aug. 26, 1924.
Radio receiving sets and parts thereof. Broadcast Manufacturers, Inc. 191,417; Nov. 11; Serial No. 196,420; published Aug. 12, 1924.
Radio receiving sets and parts thereof. Cutting & Washington Radio Corporation. 191,437; Nov. 11; Serial No. 194,982; published Aug. 12, 1924.
Radio receiving sets and parts thereof. Danziger-Jones, Inc. 191,416; Nov. 11; Serial No. 196,441; published Aug. 12, 1924.
Radio receiving sets and parts thereof. Danziger-Jones, Inc. 191,636; Nov. 11; Serial No. 197,419; published Aug. 26, 1924.
Radio receiving sets and parts thereof. Pathe Phonograph and Radio Corporation. 191,421-2; Nov. 11; Serial Nos. 195,481-2; published Aug. 12, 1924.
Radio receiving sets and parts thereof. Tri-City Radio Electric Supply Co. 191,510-11; Nov. 11; Serial Nos. 193,556-7; published Aug. 12, 1924.
Radio receiving sets and parts thereof, Assembled. Aeolian Company. 191,494; Nov. 11; Serial No. 166,125; published Aug. 12, 1924.
Radio receiving sets and parts thereof, phones, etc. J. T. Sattels. 191,631; Nov. 11; Serial No. 196,714; Nov. 11; Serial No. 195,967; published Aug. 26, 1924.
Radio sets, radio receiving sets, loud speakers, etc. Walter Lytton, Inc. 191,509; Nov. 11; Serial No. 193,527; published Aug. 12, 1924.
Radio vacuum tubes. Lectrodo Company. 191,607; Nov. 11; Serial No. 195,967; published Aug. 26, 1924.
Soldering irons, electric bells, sockets, and motors, Electrical. Strauss & Blum, Inc. 191,617; Nov. 11; Serial No. 178,881; published Aug. 26, 1924.
Train-control systems. Electrical apparatus for use in. Regan Safety Devices Company. 191,498; Nov. 11; Serial No. 180,618; published Aug. 12, 1924.
Vacuum cleaners, including parts thereof and repair parts. Electric. Joseph A. McAnerney Company. 191,614; Nov. 11; Serial No. 191,179; published Aug. 26, 1924.
Wire for electrical use and insulating coverings. Simplex Wire & Cable Company. 191,594; Nov. 11; Serial No. 198,589; published Aug. 26, 1924.
Wire on spools, insulated and covered. J. Colvin. 191,560; Nov. 11; Serial No. 191,747; published Aug. 12, 1924.
Wireless and radio telegraphy and telephony apparatus, etc. United Electric Stores Company of New Jersey. 191,549; Nov. 11; Serial No. 187,551; published Aug. 12, 1924.
Wireless apparatus and devices. Sonora Phonograph Company. 191,619; Nov. 11; Serial No. 161,866; published Aug. 25, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 22.

Cards, Playing. Albert Pick Company. 191,682; Nov. 11.

CLASS 29.

Brooms and brushes, Street. Josephie Company. 191,675; Nov. 11.

CLASS 30.

Plates, cups, jugs, and dishes. Icy-Hot Bottle Company. 191,569; Nov. 11; Serial No. 167,637; published Oct. 9, 1923.

CLASS 32.

Beds. Wheeler-Okell Company. 191,469; Nov. 11; Serial No. 198,922; published Aug. 12, 1924.

Beds. Wheeler-Okell Company. 191,470; Nov. 11; Serial No. 198,918; published Aug. 19, 1924.

Beds, dressers, chiffonettes, etc. American Furniture Company. 191,563; Nov. 11; Serial No. 181,000; published Aug. 12, 1924.

Buffets, hanging mirrors, cupboards, etc. Batesville Cabinet Company. 191,573; Nov. 11; Serial No. 181,001; published Aug. 12, 1924.

Cabinets, filing. McBee Binder Company. 191,574; Nov. 11; Serial No. 179,809; published Aug. 12, 1924.

Desks, tables, cabinets, used in the operation of radio apparatus. Ernest J. Sultan Mfg. Co. 191,580; Nov. 11; Serial No. 167,365; published Aug. 12, 1924.

Furniture, household tables, office tables, chairs, etc. Murray Products Company. 191,555; Nov. 11; Serial No. 191,905; published Aug. 12, 1924.

Mattresses. Shifman Brothers. 191,466; Nov. 11; Serial No. 197,783; published Aug. 19, 1924.

Service wagons, tea wagons or tea carts, and food carriages. Herkimer Specialties Corporation. 191,625; Nov. 11; Serial No. 183,151; published Aug. 26, 1924.

CLASS 34.

Burners, fixtures, brackets, etc. Gas. Incandescent Supply Company. 191,518; Nov. 11; Serial No. 199,024; published Aug. 26, 1924.

Lamp shades. Rindsberger Manufacturing Corporation. 191,612; Nov. 11; Serial No. 194,569; published Aug. 26, 1924.

CLASS 35.

Piston rings. Torsion Test Piston Ring Corporation. 191,657; Nov. 11.

Tires and inner tubes. Republic Rubber Company. 191,561; Nov. 11; Serial No. 181,867; published July 17, 1923.

CLASS 37.

Card-index system. Romeo Limited. 191,497; Nov. 11; Serial No. 180,359; published July 22, 1924.

Crayons, Pastel. American Crayon Company. 191,591; Nov. 11; Serial No. 198,500; published Aug. 12, 1924.

Crayons, Pressed. American Crayon Company. 191,588; Nov. 11; Serial No. 198,497; published Aug. 12, 1924.

Crayons, water colors. American Crayon Company. 191,590; Nov. 11; Serial No. 198,499; published Aug. 12, 1924.

Crayons, Wax. American Crayon Company. 191,589; Nov. 11; Serial No. 198,498; published Aug. 12, 1924.

Identification slip. Passenger. B. L. Cosner. 191,409; Nov. 11; Serial No. 197,136; published Aug. 5, 1924.

Indexes. Rand Company. 191,585-6; Nov. 11; Serial No. 198,251-2; published July 29, 1924.

Paper and mailing envelopes. Writing and printing. Carraw Manufacturing Company. 191,521; Nov. 11; Serial No. 198,111; published July 29, 1924.

Paper, Bond. Ailing & Cory Company. 191,648; Nov. 11; Serial No. 187,962; published July 29, 1924.

Paper, envelopes, pads, etc. Sichel-Bleistiftfabrik A. G. vorm. M. Meinelberger & Co. 191,505; Nov. 11; Serial No. 187,962; published July 29, 1924.

Paper, envelopes, paper napkins, etc. Blake, Moffitt & Towne. 191,504; Nov. 11; Serial No. 187,287; published July 22, 1924.

Paper, paper towels and napkins. Toilet. Straubel Machine Company. 191,499; Nov. 11; Serial No. 182,072; published July 29, 1924.

Paper, pencils, etc. Wrapping, tissue, and writing. Al. M. Silverstein & Bro. Inc. 191,639; Nov. 11; Serial No. 197,626; published Aug. 5, 1924.

Paper, Toilet. Hampton Roads Paper Company. 191,637; Nov. 11; Serial No. 197,432; published Aug. 5, 1924.

Paper, Toilet tissue. National Paper Products Company. 191,508; Nov. 11; Serial No. 191,555; published July 29, 1924.

Paper, towels and napkins made of paper. Toilet. Fort Howard Paper Company. 191,519; Nov. 11; Serial No. 197,928; published July 29, 1924.

Paper, Wrapping. Orono Pulp & Paper Company. 191,423; Nov. 11; Serial No. 195,122; published Aug. 12, 1924.

Papeteries, writing tablets, and envelopes. United Drug Company. 191,547; Nov. 11; Serial No. 186,813; published Aug. 12, 1924.

Pencils. Grafo Pencil Company. 191,503; Nov. 11; Serial No. 184,445; published July 29, 1924.

Pencils, Lead. Joseph Dixon Crucible Company. 191,425; Nov. 11; Serial No. 194,913; published Aug. 5, 1924.

Pencils, Lead. Joseph Dixon Crucible Company. 191,651-2; Nov. 11.

Pencils, Lead. Joseph Dixon Crucible Company. 191,683; Nov. 11.

Pens and pencils. Combination fountain. Pen-O-Pencil Company. 191,495; Nov. 11; Serial No. 175,268; published Aug. 12, 1924.

Stationery sets. Kopper Kraft Shops, Inc. 191,427; Nov. 11; Serial No. 194,403; published Aug. 5, 1924.

Sticker-tape-moistening machines. A. H. Keast. 191,496; Nov. 11; Serial No. 177,441; published July 29, 1924.

Toy wax crayons. American Crayon Company. 191,587; Nov. 11; Serial No. 198,496; published July 29, 1924.

Transparent (tracing) cloth. Keuffel & Esser Company. 191,640; Nov. 11; Serial No. 197,819; published July 29, 1924.

Writing bindings, Flat. Milton C. Johnson Co. 191,412; Nov. 11; Serial No. 196,063; published July 29, 1924.

CLASS 38.

Magazine. Albert Publishing Co. 191,444; Nov. 11; Serial No. 195,729; published Aug. 12, 1924.

Magazine. Better Fruit Publishing Company. 191,515; Nov. 11; Serial No. 197,854; published Aug. 19, 1924.

Magazine. Independent Publications, Inc. 191,410; Nov. 11; Serial No. 196,870; published Aug. 19, 1924.

Magazine. C. A. Luhnnow. 191,596; Nov. 11; Serial No. 198,810; published Aug. 19, 1924.

Magazine. J. H. Wright. 191,529; Nov. 11; Serial No. 199,102; published Aug. 19, 1924.

Magazine, Furniture. Hartman Furniture & Carpet Company. 191,517; Nov. 11; Serial No. 197,811; published Aug. 26, 1924.

Magazine, Monthly. Masonic Service Association of the United States. 191,481; Nov. 11; Serial No. 196,819; published Aug. 12, 1924.

Magazine title. Pacific Coast Club. 191,600; Nov. 11; Serial No. 199,016; published Aug. 19, 1924.

Newspaper articles, Heading for. Glenn & Essington. 191,584; Nov. 11; Serial No. 198,233; published Aug. 19, 1924.

Newspaper column. Tribune Company. 191,597-8; Nov. 11; Serial Nos. 198,592-3; published Aug. 19, 1924.

Newspaper feature. N. H. Stimes. 191,554; Nov. 11; Serial No. 199,815; published Aug. 12, 1924.

Periodical. A. Jacob. 191,528; Nov. 11; Serial No. 199,063; published Aug. 19, 1924.

Periodical, Weekly. Union Labor Publishing Association. 191,611; Nov. 11; Serial No. 194,682; published Aug. 5, 1924.

Prints, Cartoon. D. Loscalzo. 191,595; Nov. 11; Serial No. 198,716; published Aug. 19, 1924.

Publication. San Seelig Co. 191,599; Nov. 11; Serial No. 198,969; published Aug. 19, 1924.

Publication. United Business Service Company. 191,414; Nov. 11; Serial No. 196,493; published Aug. 19, 1924.

Publication, Annual. A. C. Hoff. 191,629; Nov. 11; Serial No. 196,706; published Aug. 26, 1924.

Publication, Daily. W. C. Platt Company. 191,456; Nov. 11; Serial No. 199,315; published Aug. 19, 1924.

Publication, Daily. Public Press Corporation. 191,455; Nov. 11; Serial No. 199,321; published Aug. 19, 1924.

Publication, Title of a periodical. Tilghman Moyer Company. 191,492; Nov. 11; Serial No. 198,388; published Aug. 12, 1924.

Publications. New England Electric Specialty Co. 191,484-5; Nov. 11; Serial Nos. 197,674-5; published Aug. 12, 1924.

Publications, Trade. N. Fluegelman & Co. 191,530; Nov. 11; Serial No. 199,282; published Aug. 19, 1924.

CLASS 39.

Clothing. Edwards Merchant Tailor. 191,673; Nov. 11. Dresses, capes, sport suits, outer skirts, etc. M. Kirschner & Sons. 191,505; Nov. 11; Serial No. 176,742; published May 22, 1923.

Gloves and mittens. Boss Manufacturing Company. 191,545; Nov. 11; Serial No. 185,743; published Dec. 11, 1923.

Hats, Men's. Southern Hat Co. 191,545; Nov. 11; Serial No. 186,679; published Jan. 22, 1924.

Hats, Women's. Chicago Bargain House. 191,671; Nov. 11.

Hosiery, sweaters, and underwear. Heyman & Bissinger Co. 191,550; Nov. 11; Serial No. 188,842; published May 6, 1924.

Shirts, undershirts, ties, etc. A. Sulka & Company. 191,674; Nov. 11.

Sweaters, socks, caps, etc. Knit. W. G. Barrows. 191,647; Nov. 11.

CLASS 40.

Barrettes and combs. Pacific Novelty Company. 191,479; Nov. 11; Serial No. 196,671; published Aug. 12, 1924.

Combs. Joannot Fils & Cie. 191,411; Nov. 11; Serial No. 196,707; published Aug. 19, 1924.

Combs. Superior Novelty Mfg. Co. 191,447; Nov. 11; Serial No. 196,204; published Aug. 12, 1924.

Elastics. M. H. Blow. 191,483; Nov. 11; Serial No. 197,411; published Aug. 12, 1924.

Hair curlers. Cupid Hair Curler Co. 191,419; Nov. 11; Serial No. 196,334; published Aug. 19, 1924.

Shoulder strap for ladies' underwear. A. W. Gelgerman. 191,471; Nov. 11; Serial No. 198,798; published Aug. 12, 1924.

CLASS 42.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 191,453; Nov. 11; Serial No. 199,534; published Aug. 26, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

xi

Dollies, table covers, bedspreads, etc. Tenafly Weavers, Inc. 191,552; Nov. 11; Serial No. 189,646; published Aug. 5, 1924.

Laces, handkerchiefs, embroideries, draperies, etc. Nottingham Lace Works. 191,576; Nov. 11; Serial No. 179,316; published Oct. 2, 1923.

Silk and cotton and cotton piece goods, Printed. Voss & Stern. 191,679; Nov. 11.

Silk piece goods. B. Edmund David, Inc. 191,442; Nov. 11; Serial No. 195,501; published Aug. 19, 1924.

Woolen piece goods. Sir Charles Sykes & Sons, Limited. 191,541; Nov. 11; Serial No. 198,385; published Aug. 19, 1924.

CLASS 45.

Beverage flavors and beverages made therefrom. Maltless. Citrus Products Company. 191,551; Nov. 11; Serial No. 189,389; published Feb. 12, 1924.

Beverage sold as a soft drink and sirups for making the same. Chicquot Club Company. 191,533; Nov. 11; Serial No. 199,008; published Aug. 26, 1924.

Sirups and nonalcoholic, maltless beverages. M. Blackman. 191,571; Nov. 11; Serial No. 150,588; published Oct. 2, 1923.

CLASS 46.

Bread. Dependable Products Co. 191,624; Nov. 11; Serial No. 178,094; published Aug. 26, 1924.

Bread. Mueller Baking Co. 191,626; Nov. 11; Serial No. 188,692; published Jan. 15, 1924.

Candles. E. A. Holmes. 191,654; Nov. 11.

Candles. W. H. Schaffer. 191,564; Nov. 11; Serial No. 177,052; published Aug. 19, 1924.

Candy. Brown & Haley. 191,430; Nov. 11; Serial No. 193,500; published Aug. 12, 1924.

Candy. H. I. Sifers. 191,623; Nov. 11; Serial No. 178,067; published June 12, 1923.

Canned and preserved fish. I. Epstein. 191,473; Nov. 11; Serial No. 198,623; published Aug. 19, 1924.

Canned berries, fruits, and vegetables. Northwest Canning Company. 191,665; Nov. 11.

Canned fruit. F. E. Booth Co. 191,543; Nov. 11; Serial No. 184,810; published Aug. 19, 1924.

Canned fruit. F. E. Booth Co. 191,581; Nov. 11; Serial No. 162,714; published Aug. 19, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Independent Coal Company. 200,394; Nov. 11.

Coal. Magic Collieries Company. 199,235; Nov. 11.

Leather. E. S. Perkins. 197,165; Nov. 11.

Oil-refining clays. Reinbold Metallurgical Company. 200,340; Nov. 11.

Pulps. Wayagmack Pulp & Paper Company. 199,963; Nov. 11.

CLASS 2.

Bags, Bemis Bro. Bag Company. 200,604; Nov. 11.

Bags, baking cups, corrugated-paper boxes, etc. Fisher Bros. Paper Company. 200,875; Nov. 11.

Boxes and containers. Fort Orange Paper Company. 198,515; Nov. 11.

Cans. Purity Paper Vessels Co. 200,776; Nov. 11.

Carafees, jugs, coffee, tea, chocolate, and beverage pots, etc. Icy-Hot Bottle Company. 167,632; Nov. 11.

Caskets, Metal. All Metal Casket Company. 200,599; Nov. 11.

CLASS 3.

Boxes, luncheon cases, carrying cases, etc., Lunch. Icy-Hot Bottle Company. 167,633; Nov. 11.

Trunks. Wheary-Burge Trunk Company. 203,355; Nov. 11.

CLASS 4.

Cleaning glass, Liquid for. Kleer Chemical Corporation. 202,628; Nov. 11.

Cleansing and polishing cloth. A. L. Curshen. 203,112; Nov. 11.

Polishing wheels and felts therefor. Eastern Felt Company. 199,543-6; Nov. 11.

Preservative and dressing. Leather. M. Herrera. 202,750; Nov. 11.

Soap. Los Angeles Soap Company. 202,877; Nov. 11.

Soap. John T. Stanley Co. 202,524; Nov. 11.

Steel wool and soap. Chep Steel Wool Co. 203,255; Nov. 11.

Washing and scouring purposes, soaps, and washing powders, Preparations for. Henkel & Cie. Gesellschaft mit beschränkter Haftung. 202,706; Nov. 11.

CLASS 5.

Adhesives, Vegetable. Arabol Mfg. Co. 198,210; Nov. 11.

Canned vegetables, Cocoa, rice, etc. Cumpson-Doelman, Inc. 191,575; Nov. 11; Serial No. 179,520; published Oct. 16, 1923.

Cereals, Breakfast. Mapl-Flake Mills, Inc. 191,527; Nov. 11; Serial No. 199,845; published Aug. 26, 1924.

Crackers and cakes. Acme Cracker Co. 191,627; Nov. 11; Serial No. 189,543; published Aug. 26, 1924.

Food, Bird. R. T. French Company. 191,680; Nov. 11.

Grapes, Fresh. C. A. Melcher. 191,646; Nov. 11.

Ham and bacon, canned caviar, Camembert cheese, Salt-cured smoked. V. V. Lebedeff, Inc. 191,443; Nov. 11; Serial No. 195,526; published Sept. 9, 1924.

Ice-cream powder, pie filling, etc. Lee-Greefens Co. 191,672; Nov. 11; Serial No. 141,984; published Aug. 5, 1924.

Oil, Olive. J. F. Malatesta. 191,621; Nov. 11; Serial No. 167,727; published Feb. 19, 1924.

Salad dressings. Sar-A-Lee Company. 191,662; Nov. 11.

Sandwiches. F. J. Blair. 191,524; Nov. 11; Serial No. 199,670; published Aug. 26, 1924.

Walnuts. Wm. A. Higgins & Co. 191,562; Nov. 11; Serial No. 181,071; published Aug. 19, 1924.

CLASS 50.

Cork-sole, wetting. Haley-Cate-Rockwood Company. 191,616; Nov. 11; Serial No. 182,905; published Aug. 26, 1924.

Hat stretchers. B. J. Garfunkel. 191,608; Nov. 11; Serial No. 195,881; published Aug. 26, 1924.

Luminous pendants and buttons. Arrow Electric Company. 191,601; Nov. 11; Serial No. 198,046; published Aug. 26, 1924.

Metal caps and closures. American Metal Cap Co. 191,535; Nov. 11; Serial No. 199,203; published Aug. 26, 1924.

Receptacle closure. Crown Cork and Seal Company of Baltimore City. 191,514; Nov. 11; Serial No. 199,776; published Aug. 26, 1924.

Tarpaulins and tents. Crawford-Austin Manufacturing Co. 191,616; Nov. 11; Serial No. 199,681; published Aug. 26,

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Preparation for treatment of lung troubles and throat ailments. P. Barbera. 202,849; Nov. 11.
Preparation for use as a gargle or mouth wash. R. A. Bachmann. 202,970; Nov. 11.
Remedy. Lorraine Health Institution. 202,814; Nov. 11.
Salt, Medicated. W. B. Kelling. 199,117; Nov. 11.
Salts, Bath. Remiller Co. 202,952; Nov. 11.
Soporific. Chemische Werke Grenzach Aktiengesellschaft. 202,928; Nov. 11.
Sulphur dioxide, Liquid. Virginia Smelting Company. 203,098; Nov. 11.
Tablets. Continental Laboratories, Inc. 203,111; Nov. 11.
Toilet preparations. Polar Ice Laboratory. 202,892; Nov. 11.
Tonic, General. A. & F. Glanforth. 202,804; Nov. 11.

CLASS 9.

Matches. Plee-Zing Corporation. 203,145; Nov. 11.
Shotguns. A. F. Steeger. 203,341; Nov. 11.

CLASS 10.

Fertilizers. United Chemical Products Company. 201,631; Nov. 11.

CLASS 12.

Asphalt felt. Barrett Company. 173,273; Nov. 11.
Bricks. Key-James Brick Company. 201,293; Nov. 11.
Cement. Portland-Cement-Fabrik Dyckerhoff & Soehne G. m. b. H. 200,400; Nov. 11.
Cement-asbestos shingles. Batcheller-McConnell Company. 200,130; Nov. 11.
Cement. Portland. Texas Portland Cement Company. 200,019; Nov. 11.
Cements. Cimenteries et Briqueteries Réunies de Bonne Espérance, Ravels et Loën, Ste. Ane. 183,433; Nov. 11.
Felt for build-up roofing, waterproofing, and dampproofing. Asphalt saturated and coated reinforcing. Pioneer Paper Company. 203,199; Nov. 11.
Garage doors, French doors, etc. Central Door and Lumber Company. 198,223; Nov. 11.
Houses, Small portable. O. F. Louis. 202,878; Nov. 11.
Lumber. Exchange Sawmills Sales Company. 203,170; Nov. 11.
Lumber. Ocean Lumber Co. 198,468; Nov. 11.
Metal channel iron, studding, bearing strips, and the like. Youngstown Pressed Steel Company. 199,269; Nov. 11.
Metal channel iron, studding, bearing strips, and the like. Youngstown Pressed Steel Company. 199,271; Nov. 11.
Roofing. Composition ready or prepared. Pioneer Paper Company. 203,197; Nov. 11.

CLASS 13.

Cookers, Pressure. J. A. Martinez. 190,304; Nov. 11.
Cooking utensils. W. T. Grant Company. 203,119; Nov. 11.
Hanger or rack. R. V. Reynolds. 189,071; Nov. 11.
Hardware, Window. Richards-Wilcox Manufacturing Company. 200,120; Nov. 11.
Metal balls used in valves, floats, etc. Hollow Ball Company. 200,621; Nov. 11.
Rivets, screws, nails, etc. Anaconda Copper Mining Company. 196,635; Nov. 11.

CLASS 15.

Benzine. Standard Oil Company of New York. 201,725; Nov. 11.
Cleaner and lubricant for internal-combustion engines. Combined. White Star Refining Company. 202,053; Nov. 11.
Gasoline, Treated. Boyce & Veeder Company. 200,180; Nov. 11.
Lubricants. Waverly Oil Works Company. 201,065; Nov. 11.

CLASS 16.

Lacquer, Wood. Glidden Company. 199,057; Nov. 11.
Lacquers. John Lucas & Company. 203,086; Nov. 11.
Lead, Red. Evans Lead Company. 202,552; Nov. 11.
Paints, paint enamel, crack sealer, and paint remover. Bako Process Company. 200,603; Nov. 11.
Paints, Ready-mixed. Payson Varnish Co. 202,951; Nov. 11.
Polish. J. E. Carlson. 202,611; Nov. 11.
Polish, Furniture. E. Zellot. 198,694; Nov. 11.
Polish, Furniture and automobile. C. W. Dipple. 202,005; Nov. 11.
Polishes for automobiles and furniture. Bond Chemist Shop, Inc. 201,092; Nov. 11.
Varnish liquid refinishes. Topsall Manufacturing Company. 200,412; Nov. 11.
Wax, Floor. Fuller-Morrison Company. 201,928; Nov. 11.

CLASS 19.

Radiator guards, radiator caps, and bumpers. A. E. Darke. 177,430; Nov. 11.
Trucks, Motor. Los Angeles Creamery Company. 203,320; Nov. 11.

CLASS 20.

Oilcloth. Columbus-Union Oil Cloth Co. 203,401; Nov. 11.

CLASS 21.

Insulated wire, Electric. Packard Electric Company. 199,715-16; Nov. 11.
Wireless receiving sets. L. C. Greene. 190,914; Nov. 11.

CLASS 22.

Balls, Golf. Kinesthetic Process Co. 199,995; Nov. 11.
Fly-casting lines. Abbey & Imbrie. 202,606; Nov. 11.
Striking bag, racket cover, balls, etc. L. A. Olmsted. 179,219; Nov. 11.
Vehicles, Children's play. Newport Manufacturing Co. 200,958; Nov. 11.

CLASS 23.

Engines, Internal-combustion. Sterling Engine Company. 201,161; Nov. 11.
Motor-vehicle accessories. Williams Bros. Aircraft Corporation. 201,421; Nov. 11.

CLASS 26.

Motor-temperature indicators, Electrically-operated. Dowell Indicator Corporation. 198,176; Nov. 11.
Photographic hand cameras and stand cameras, enlarging apparatus, etc. Optische Anstalt C. P. Goerz Aktiengesellschaft. 181,850-60; Nov. 11.
Scales, barometers, pressure gauges, etc. Weighing Central Scientific Company. 185,443; Nov. 11.

CLASS 29.

Powder puffs. G. S. Hershey. 202,626; Nov. 11.

CLASS 32.

Furniture, Metal. F. O. Schoedinger. 172,177; Nov. 11.

CLASS 34.

Furnaces, Hot-air. H. L. Schermerhorn. 195,197; Nov. 11.
Furnaces, Warm-air. Tubular Heating & Ventilating Company. 157,388; Nov. 11.
Gas machines, laboratory burners, fuel-gas plants, etc. Thrill Gas Machine Lighting Co. 202,528; Nov. 11.

CLASS 35.

Belting, Machine. Chas. A. Schieren Company. 194,130; Nov. 11.
Packing, Metallurgic. J. Brown. 184,323; Nov. 11.
Rubber goods, Patches for. Handy-Tite Patch Company. 193,708; Nov. 11.

CLASS 37.

Blank construction policies and specifications. Master House Bureau. 197,102; Nov. 11.
Books, Bound loose-leaf. Macey Company Limited. 201,571; Nov. 11.
Files, Portable. Stephenson Specialty Company. 199,906; Nov. 11.
Indexes and parts thereof. Library Bureau. 200,002; Nov. 11.
Ledgers and files. E. Berneburg. 197,920; Nov. 11.
Paper devices for lining fruit receptacles. F. A. Read, Inc. 198,678; Nov. 11.
Paper, envelopes, and cards. L. B. Torrey. 200,970; Nov. 11.
Paper, Filter. Eaton-Dikeman Co. 194,697; Nov. 11.
Paper, Gummed. McLaurin-Jones Co. 191,274; Nov. 11.
Paper, Toilet. Horwitz Brothers. 180,852; Nov. 11.
Paper, Wrapping. Hummel-Ross Fibre Corporation. 197,377; Nov. 11.
Papers and envelopes. Wayagamack Pulp & Paper Company. 199,962; Nov. 11.
Papers for writing, greeting cards, and cover purposes. Messenger Paper Company. 198,321; Nov. 11.
Papers, Writing and printing. Louisville Paper Company. 201,094; Nov. 11.
Pencils. Aktieselskab H. E. Gosch & Co.'s Tændstikfabriker og Aktietændstikfabriken Godthaab. 199,736; Nov. 11.

CLASS 38.

Circulars. Stopshok Wheel Co. 122,737; Nov. 11.
Publications. Union Indemnity Company. 193,007; Nov. 11.

CLASS 39.

Blouses, Boys'. C. Greenberg. 201,748; Nov. 11.
Boots and shoes. Forester Shoe Manufacturing Company. 203,115; Nov. 11.
Boots and shoes. N. Hess & Bro. 201,031; Nov. 11.
Boots and shoes. Edward A. Luedke Shoe Co. 190,302-3; Nov. 11.
Boots and shoes and heels and soles. Weyenberg Shoe Manufacturing Co. 202,042; Nov. 11.
Boots, shoes, and slippers. F. M. Hoyt Shoe Company. 198,412; Nov. 11.
Clothing for men, women, and children. E. L. Olson. 184,133; Nov. 11.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coats, children's one-piece dresses, men's coats, etc. Ladies' knitted sport. Clark Knitting Co. 202,438; Nov. 11.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 202,144; Nov. 11.
Corsets, brassières, girdles, and like underwear. Kops Bros. Inc. 201,089; Nov. 11.
Cravats. J. I. Gumpert and Sons, Inc. 202,624; Nov. 11.
Dresses. I. Mittelman & Co. 202,029; Nov. 11.
Frocks, dresses, coats, and suits. S. Richman. 198,883; Nov. 11.
Garments, Infants' sleeping. Merit Baby Wear Co. 144,578; Nov. 11.
Garments, Hospital and institutional. Haron Manufacturing Company. 190,882; Nov. 11.
Garters. R. H. Biggs. 197,860; Nov. 11.
Gloves and mittens. Boss Manufacturing Company. 194,518-23; Nov. 11.
Hats and caps. William Carroll & Company. 186,585; Nov. 11.
Hats and caps, Men's. Jacobs Hat and Cap Works. 163,219; Nov. 11.
Hats and hat frames. Ace High Hat Company. 202,089; Nov. 11.
Hats, Ladies'. Smith & Hartnett. 201,811; Nov. 11.
Hats, Ladies'. Stronge and Warner Company. 201,865; Nov. 11.
Hats, Men's. J. L. Hudson Company. 198,138; Nov. 11.
Hose, Infants'. Hub Hosiery Mills. 201,898; Nov. 11.
Hose, Men's half. Pointer Hosiery Co. 201,464; Nov. 11.
Hosiery. Brilliant Silk Hosiery Co. 163,777; Nov. 11.
Hosiery. Charles Broadway Rouse. 198,960; Nov. 11.
Hosiery and underwear. Markham Bros. Limited. 195,753; Nov. 11.
Knitted products. Alcone Knitting Mills. 200,084; Nov. 11.
Negligee and dress shirts, Men's. Yorke Shirt Company. 202,312-13; Nov. 11.
Overcoats. B. Kuppenheimer & Co. 202,348; Nov. 11.
Shoes. Riley Shoe Manufacturing Co. 203,241; Nov. 11.
Shoes. Smalls-Goodwin Company. 203,391; Nov. 11.
Shoes. Style-Arch Shoe Co. 180,197; Nov. 11.
Shoes, boots, pumps, and slippers, Women's. Benjamin Rothman, Inc. 190,272; Nov. 11.
Shoes, Children's. Edw. Malley Co. 201,814; Nov. 11.
Soles for boots, shoes, and slippers. Alfred Hale Rubber Company. 202,011; Nov. 11.
Step-ins and bloomers. Empire Shield Company. 180,594; Nov. 11.
Stockings. La Belle Clothing Co. 202,780; Nov. 11.
Suits, coats, and trousers, Men's. H. J. Delson. 196,581; Nov. 11.
Suits, overcoats, and raincoats, Men's. J. David. 200,095; Nov. 11.
Suits, shoes, hats, etc. Price Clothing Company. 202,461; Nov. 11.
Sweaters, knitted dresses and coats. Knitwear Promoters, Inc. 201,700-7; Nov. 11.
Undergarments, including corsets, Women's. Warner Brothers Company. 195,727; Nov. 11.
Underwear and hosiery. John V. Farwell Company. 201,432; Nov. 11.
Underwear, hosiery, sweaters, etc. Hart & Elsner Co. 190,062; Nov. 11.
Underwear, Ladies'. Newmark & Braude. 201,672; Nov. 11.
Waterproof coats and capes. A. Namm. 201,367; Nov. 11.
Waterproof garments for men. Hirsch-Wels Manufacturing Co. 202,627; Nov. 11.

CLASS 42.

Blankets. Covert & Workman. 202,659; Nov. 11.
Blankets and blanket material. Textile. Esmond Mills. 201,057; Nov. 11.
Cotton and cotton and artificial-silk mixed piece goods. Lorraine Manufacturing Company. 203,085; Nov. 11.
Cotton piece goods. Brunswick-Harris Corp'n. 202,484; Nov. 11.
Cotton piece goods. Neuss, Hesslein & Co. 203,139; Nov. 11.
Cotton piece goods. Nuart Print Works. 202,819; Nov. 11.
Cotton piece goods. Wamsutta Mills. 203,062; Nov. 11.
Fabrics, Pile. National Pile Fabric Company. 201,619; Nov. 11.

Portières, Rope. H. F. Walliser Company. 200,536; Nov. 11.
Shade cloth, Window. Bullock's. 196,902; Nov. 11.
Silk, artificial silk, cotton, or a combination thereof, fabric and piece goods. Julius Kayser & Co. 203,081; Nov. 11.
Silk, cotton, wool, etc. piece goods. M. Acher Silk Corporation. 200,236; Nov. 11.
Silk fabrics. Golding Fabrics Corporation. 203,033; Nov. 11.
Silk, worsted, and cotton broad goods in the piece. Corticelli Silk Company. 184,300; Nov. 11.
Silks, satins, cotton piece goods, and ribbons. Metropolitan Cutting & Converting Co. 202,817; Nov. 11.
Textile fabrics in the piece. A. Hoenigsberger. 203,180; Nov. 11.
Velvet, etc., fabrics in the piece and ribbons. Weinberg & Witt, Inc. 203,073; Nov. 11.
Velvet, silk, satin, and cotton and silk mixture fabrics in the piece, etc. Weinberg & Witt, Inc. 203,073; Nov. 11.
Wool piece goods. Roubaix Mills, Inc. 203,007; Nov. 11.
Woolen goods. S. Stein & Co. 202,682; Nov. 11.

CLASS 44.

Syringes, Sanitary. C. Reggio. 202,418; Nov. 11.

CLASS 45.

Beverage. W. C. Peeler. 201,854; Nov. 11.
Beverages and sirups for making the same. Edmanson-Bock Catering Co. 202,860-1; Nov. 11.
Liquid compound for soft drinks. M. H. Lewis. 187,471; Nov. 11.
Waters, Natural mineral. Excelsior Saline Water Company. 202,054; Nov. 11.

CLASS 46.

Bacon. Omaha Packing Company. 196,186; Nov. 11.
Bread. Corby Baking Co. 202,742; Nov. 11.
Bread. E. W. Young. 192,464; Nov. 11.
Cake. International Company. 202,808; Nov. 11.
Candy. N. V. Maatschappij tot Exploitatie van de Haagsche Hopjes- en Chocoladefabriek van P. Nieuwerkerk & Zoon. 199,080; Nov. 11.
Candy. Palmer Candy Co. 202,822; Nov. 11.
Candy bar. Shotwell Mfg. Co. 201,590; Nov. 11.
Candy, crackers, cookies, bread, and cake. H. W. Munro. 196,290; Nov. 11.
Canned sardines. A/S Einar Hausvik & Co. 185,357; Nov. 11.
Cheese. Kentucky Holding Corporation. 202,345; Nov. 11.
Cheese. A. P. Scheid. 202,716; Nov. 11.
Crackers. Johnson Educator Food Company. 202,994; Nov. 11.
Eggs, live and dressed poultry, butter, etc. W. E. Hannen. 196,111; Nov. 11.
Feed, Hog. Smith Agricultural Chemical Company. 202,520; Nov. 11.
Feed, Hog. Smith Agricultural Chemical Company. 202,523; Nov. 11.
Flour, Wheat. Rodney Milling Company. 202,517; Nov. 11.
Fruits, jelly, marmalade, etc., Preserved. Florida Shop, Inc. 202,391; Nov. 11.
Oleomargarine. Louisiana Margarin Company. 191,890; Nov. 11.
Oranges, Fresh. Orange County Fruit Exchange. 202,887; Nov. 11.
Rice. Louisiana Farm Bureau Rice Growers Co-Operative Assn. 202,879; Nov. 11.
Sirups, Malt. S. L. Goldman. 201,953; Nov. 11.

CLASS 50.

Flytrap, Electric. C. E. Lebrecht. 202,812; Nov. 11.
Granite memorials. Anderson Bros. & Johnson Co. 200,701; Nov. 11.
Press blankets. Newspaper. Stahl Newspaper Supply Company. 202,150; Nov. 11.
Statuary novelties and plastic figures. A. Salzer. 201,103; Nov. 11.
Wagon covers, Detachable. Crawford-Austin Manufacturing Co. 199,680; Nov. 11.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- A C Spark Plug Company. (See Rubbezzana, Hector, assignor.)
- Aaron, Solomon E., Boston, Mass. Boat-operating windlass. 1,514,755; Nov. 11.
- Abel, Albert E., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Ingot mold. 1,515,320; Nov. 11.
- Adams, Clyde W., Elmhurst, N. Y. Timer for gas engines. 1,514,696; Nov. 11.
- Adams, Henry K., Nashville, Tenn. Lead-control mechanism for engines. 1,515,133; Nov. 11.
- Adams, Leslie M., Seattle, Wash. Electric heating device. 1,514,813; Nov. 11.
- Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)
- Ahlm, Charles E. F., Cleveland Heights, assignor of one-half to W. A. Neracher, Warren, and one-half to A. Fritzsche, Cleveland, Ohio. Controlling system for electromagnetic transmission mechanism. 1,515,322; Nov. 11.
- Ahlm, Charles E. F., Cleveland Heights, and H. Y. Hall, Cleveland, assignors of one-half to W. A. Neracher, Warren, and one-half to A. Fritzsche, Cleveland, Ohio. Electromagnetic transmission mechanism. 1,515,321; Nov. 11.
- Ainsworth, Chester D., Wollaston, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,515,535; Nov. 11.
- Air Reduction Company. (See Anderson, James L., assignor.)
- Aktiebolaget Pentawerken. (See Skirlund, Carl A., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Hirth, Albert, assignor.)
- Allen, Frank L., Wilkinsturg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Truck swing link. 1,515,134; Nov. 11.
- Alderman, Max, Napa, and G. H. Edwards, Mill Valley, Calif. Winding attachment for sewing machines. 1,515,294; Nov. 11.
- Alexander, Alexander S., New Rochelle, N. Y. Illuminated globe. 1,515,135; Nov. 11.
- All Metal Airplane Company. (See Greer, Medorem W., assignor.)
- Allen, Chris, et al. (See Foster, Walter L., assignor.)
- Allen, Grover C., Detroit, Mich. Electric-bulb holder. 1,514,814; Nov. 11.
- American Bosch Magneto Corporation. (See Rosner, Adolph, assignor.)
- American Can Company. (See Hedstrom, Gustav W., assignor.)
- American Can Company. (See Schmidt, Herman H., assignor.)
- American Etching Machine Corporation. (See Ronning, Victor C., assignor.)
- American Foundry & Construction Company. (See Mitchell, Harbour, assignor.)
- American Hard Rubber Co. (See Boyer, E. S., and Butfield, assignors.)
- American Investigation Corporation. (See Gentzke, Fritz, assignor.)
- American Investigation Corporation. (See Welas, Georg, assignor.)
- American Laundry Machinery Company, The. (See Brockett, Bluford W., assignor.)
- American Lurgi Corporation. (See von Girssewald, C., and Weidmann, assignors.)
- American Oil Dehydrating Co. (See Crites, V. C., and Wright, assignors.)
- American Steel Products Co. (See Gaddis, Hugh L., assignor.)
- American Telephone and Telegraph Company. (See Bailey, Rand S., assignor.)
- American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
- American Well Works, The. (See Sperry, John B., assignor.)
- Anderson, Harry J., Pittsburgh, Pa. Burner for torches and the like. 1,515,136; Nov. 11.
- Anderson, James L., Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Slotted welding torch. 1,514,815; Nov. 11.
- Anderson, Raymond M., assignor to G. M. Holley, Detroit, Mich. Fluid valve thermoresponsively controlled. 1,514,816; Nov. 11.
- Andresen, Halvor, assignor to The Vacuum Muffler Corporation, New York, N. Y. Muffler. 1,515,323; Nov. 11.
- Angell, Chester M., Chicago, Ill., assignor to Vesta Battery Corporation. System for making lead castings. 1,515,137; Nov. 11.
- Anthony Company. (See Anthony, William C., assignor.)
- Anthony, William C., assignor to Anthony Company, Streator, Ill. Elevating shovel. 1,514,817; Nov. 11.
- Anthony, William C., assignor to Anthony Company, Streator, Ill. Elevating shovel. 1,514,818; Nov. 11.
- Arbeter Felling Machine Company. (See Mueller, Charles W., assignor.)
- Arledter, Herman, Tunbridge Wells, England. Beating or comminuting or pulping machinery for paper making and other like purposes. 1,515,423; Nov. 11.
- Armstrong, Byron R., Delphos, Ohio. Wrench. 1,515,536; Nov. 11.
- Armstrong, John J., Los Angeles, Calif. Calandria. 1,514,819; Nov. 11.
- Arnold, Harry S., Brooklyn, and R. C. Wilson, New York, N. Y. Electrical distribution. 1,515,324; Nov. 11.
- Arnt, Herald P., Lakewood, Ohio. Device for and method of assembling composite metal wheels. 1,514,820; Nov. 11.
- Ashley, Frank R. (See Maclear, James R., assignor.)
- Ashton, John C., London, England. Combined funnel support and receptacle cover. 1,515,537; Nov. 11.
- Asplund, Louis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,515,138; Nov. 11.
- Assel, Martin, Secaucus, N. J. Combination burner and lamp. 1,514,595; Nov. 11.
- Assner, Philip, Dorchester, Mass. Locking device for box covers. 1,514,821; Nov. 11.
- Atkinson, Willard S., Ashland, N. J., assignor to Atlantic Elevator Company, Philadelphia, Pa. Elevator cable. 1,514,822; Nov. 11.
- Atlantic Elevator Company. (See Atkinson, Willard S., assignor.)
- Austin, Albert A., Chicago, Ill. Device for teaching card games. 1,514,823; Nov. 11.
- Austin Manufacturing Company. (See Burns, L. S., and Wilson, assignors.)
- Automatic Electric Company. (See Powell, Winfred T., assignor.)
- Avon Canning Company. (See Lefevre, Eugene H., assignor.)
- B. M. J. Utilities, Inc. (See Josephson, Walter S., assignor.)
- Babb, Robert G., Port Arthur, Tex. Bias furniture. 1,514,683; Nov. 11.
- Bachman, Otto B., New York, N. Y., assignor to National Autoparts Corporation, Dover, Del. Demountable rim. 1,515,538; Nov. 11.
- Bailey, Clifford E., Cromwell, assignor to W. M. Sheedy, Middletown, Conn. Wheeled toy. 1,514,824; Nov. 11.
- Bailey, George C., Woodcliff-on-Hudson, N. J., assignor to The Barrett Company. Producing anthraquinone. 1,515,325; Nov. 11.
- Bailey, H. Charles, Seneca, Kans. Apparatus for grading hills. 1,514,644; Nov. 11.
- Bailey, Rand S., Montclair, N. J., assignor to American Telephone and Telegraph Company. Private-branch-exchange circuits. 1,514,645; Nov. 11.
- Baker, William L., Golconda, Ill. Napkin dispenser and menu holder. 1,515,238; Nov. 11.
- Baldwin Locomotive Works, The. (See Wallace, Allen, assignor.)
- Baltimore Trust Company, trustee. (See Scott, Alexander A., assignor.)
- Baluta, Leonard S., Berwick, Pa. Shoe attachment. 1,515,086; Nov. 11.
- Bambridge, William G., Kettering, England. Ball bearing. 1,514,597; Nov. 11.
- Bank, Albert, Glenavon, Saskatchewan, Canada. Cup stand. 1,515,539; Nov. 11.
- Banks, Alfonso A., New York, N. Y. Toilet article. 1,515,425; Nov. 11.
- Barcalo, Edward J., Buffalo, N. Y. Child's crib. Des. 65,945; Nov. 11.
- Barkley, Vernor T., Pittsburgh, Pa. Car dump. 1,515,326; Nov. 11.
- Barkmann, Henry, and A. Kutscha, Chicago, Ill. Truck. 1,515,327; Nov. 11.
- Barkmann, Henry, and A. Kutscha, Chicago, Ill. Truck. 1,515,328; Nov. 11.
- Barkmann, Henry, and A. Kutscha, Chicago, Ill. Truck. 1,515,329; Nov. 11.

Barman, Louis M., Halborn, London, assignor to Roneo Limited, London, England. Addressing or like printing machine. 1,514,833; Nov. 11.
 Barnes, Charles E., Enid, Okla. Steering mechanism. 1,515,087; Nov. 11.
 Barr and Stroud, Limited. (See Barr, A. and Stroud, assignors.)
 Barr, Archibald, and W. Stroud, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Stereoscopic range finder. 1,514,948; Nov. 11.
 Barrett Company, The. (See Bailey, George C., assignor.)
 Barrett Company, The. (See Downs, C. R., and Stupp, assignors.)
 Barrett Company, The. (See Roberts, Alfred E., assignor.)
 Bartholomew, John R., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake device. 1,514,684; Nov. 11.
 Bartlett, Emory H. (See Stock, Joseph A., assignor.)
 Bauer, Hugo. (See Koile, W., Bauer, and Maschmann.)
 Baxter, Myron C., Kalamazoo, and C. L. Young, Galesburg, Mich. Form clamp. 1,514,884; Nov. 11.
 Beaver, Clayton D., Wahoo, Nebr. Coin-controlled operating mechanism for vending machines. 1,515,088; Nov. 11.
 Beck, Erich A. (See Bornemann, Karl, assignor.)
 Becker, Julius, Syracuse, assignor to Somet-Solvay Company, Solvay, N. Y. Apparatus for removing oven doors. 1,515,139; Nov. 11.
 Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)
 Beean, Frank L., assignor to E. H. Koberger, Chicago, Ill. Slug-vending machine. 1,514,598; Nov. 11.
 Beegle, Raymond E., East St. Louis, Ill. Tire. Des. 65,946; Nov. 11.
 Behrman, Abraham S., assignor to International Filter Company, Chicago, Ill. Base-exchange material and making same. 1,515,007; Nov. 11.
 Beller, Paul, Karlsruhe, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-forming machine. 1,514,756; Nov. 11.
 Bell, George, assignor to Bell's (Glasgow) Limited, Glasgow, Scotland. Socket plate for shoes. 1,515,330; Nov. 11.
 Bell Schoenleber Manufacturing Company. (See Bell, T. H., and Schoenleber, assignors.)
 Bell, Thomas H., and J. G. Schoenleber, New York, N. Y., assignors to Bell Schoenleber Manufacturing Co., Inc. Sweeper. 1,514,949; Nov. 11.
 Bell's (Glasgow) Limited. (See Bell, George, assignor.)
 Benjamin Engineering Company, The. (See Hess, L. J., and Benjamin, assignors.)
 Benjamin, Merrill G. (See Hess, L. J., and Benjamin.)
 Benoit, Anna L., St. Louis, Mo. Pan filter. 1,514,825; Nov. 11.
 Bergen, Harry S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,514,828; Nov. 11.
 Bergman-Koropp & Co. (See Johnston, Richard L., assignor.)
 Berlin, Harry S., assignor to The Victor Rubber Company, Springfield, Ohio. Pneumatic-tire tread. Des. 65,987; Nov. 11.
 Berry, George W., Wakefield, assignor to Berry Hinge Limited, London, England. Mechanism for the production of sheet-metal receptacles having a wireless hinged joint between the body and lid. 1,514,599; Nov. 11.
 Berry Hinge Limited. (See Berry, George W., assignor.)
 Bessemer Gas Engine Company, The. (See Gibson, Jesse G., assignor.)
 Bethenod, Joseph, Paris, France. Radio transmission system. 1,515,331; Nov. 11.
 Bethlehem Steel Company. (See Dittmar, Ferdinand C., assignor.)
 Bethlehem Steel Company. (See Schulz, Paul A., assignor.)
 Bigler, Frederick A., Chippewa Falls, Wis. Motor-vehicle trunk. 1,514,885; Nov. 11.
 Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for constructing plaster board. 1,514,827; Nov. 11.
 Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Plaster board. 1,515,380; Nov. 11.
 Bishop, Earl H., assignor to Daubenspeck Chain Company, Butler, Pa. Traction-chain adjuster. 1,515,332; Nov. 11.
 Bishop, Joseph W., Muskegon, Mich., assignor to Brunswick-Balke-Collender Company, Wilmington, Del. Molding press. 1,515,540; Nov. 11.
 Bishop, Newton J., St. Louis, Mo. Trousers creaser and holder. 1,515,426; Nov. 11.
 Bjorklund, William A. (See Holmquist, A., and Bjorklund.)
 Blakeborough, Robert A. (See Edwards, G. T., and Blakeborough.)
 Bloom, Jefferson, Curwensville, Pa. Nonskid chain. 1,515,541; Nov. 11.
 Bonles, Fred A. (See Johnston, G. A., and Bonles.)
 Bogre, Michael, Detroit, Mich. Hydrocarbon burner. 1,515,295; Nov. 11.
 Bond, Frank A., et al. (See Elzey, Edgar P., assignor.)

Bonnington, Alexander, South Charleston, assignor to W. H. Davis, Charleston, W. Va. Making carbon black. 1,515,333; Nov. 11.
 Booth, Charles W., Chicago, Ill. Uncoupling device for car couplers. 1,515,334; Nov. 11.
 Borchardt, Arthur. (See Heil, J. P., and Borchardt.)
 Bornemann, Karl, deceased, Breslau, Germany, assignor of one-half to E. A. Beck, New York, N. Y.; M. Bornemann, administratrix. Elimination of aluminum and metals of the iron group from zinc, zinc alloys, etc. 1,515,140; Nov. 11.
 Bornemann, Martha, administratrix. (See Bornemann, Karl.)
 Rosco, George B., Chicago, Ill. Form clamp. 1,515,335; Nov. 11.
 Rosenbury, Joseph M., Pearla, Ill. Door-control device. 1,514,646; Nov. 11.
 Bottino, Michael, Auburn, N. Y. Commutator. 1,514,828; Nov. 11.
 Boulin, Charles, Boston, Mass. Stereoscopic projection screen. 1,515,427; Nov. 11.
 Boulin, Charles, Boston, Mass. Stereoscopic motion-picture projector. 1,515,428; Nov. 11.
 Boulin, Charles, Boston, Mass. Stereoscopic motion-picture projector. 1,515,429; Nov. 11.
 Bouquet, Ferdinand, Paris, France. Case forming a shaving requisite. 1,515,542; Nov. 11.
 Bowen, James E., Akron, Ohio. Attachment for calendaring machines. 1,514,047; Nov. 11.
 Bowers, James W., Pearlinton, Mass. Clothspin. 1,514,886; Nov. 11.
 Bowers, Merrell E. (See Tryner, Ben J., assignor.)
 Bowmar, Gershon, Toronto, Ontario, Canada. Piston. 1,515,543; Nov. 11.
 Bown, Ralph, East Orange, N. J., assignor to American Telephone and Telegraph Company. Directive radio system. 1,514,648; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,947; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,948; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,949; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,950; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,951; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,952; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,953; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,954; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,955; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,956; Nov. 11.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Wilmamstown, Mass. Textile fabric. Des. 65,957; Nov. 11.
 Boyd, John S., Co. (See Boyd, John S., assignor.)
 Boyer, David L., Reading, Pa. Compound tool. 1,515,080; Nov. 11.
 Boyer, Edwin S., Plainfield, and A. C. Butfield, Butler, N. J., assignors to American Hard Rubber Co., New York, N. Y. Manufacturing battery jars and similar articles of hard rubber. 1,515,381; Nov. 11.
 Boyle, John O., Youngwood, Pa. Casting device. 1,515,544; Nov. 11.
 Brandt, Henry E., assignor to The Dobbins Manufacturing Company, North St. Paul, Minn. Duster. 1,515,336; Nov. 11.
 Brandt, Isaac, Roxholm, Iowa. Driving connection for corn pickers and the like. 1,514,887; Nov. 11.
 Brennan, John J. (See Brower, James F. and C. A., assignors.)
 Brewster, Harry C., Shreveport, La. Draw works. 1,514,649; Nov. 11.
 Briner, Emil A., East Orange, N. J. Heating and ventilating and apparatus therefor. 1,514,600; Nov. 11.
 Brinton, Willard C., New York, N. Y. Graphic control record board. 1,514,829; Nov. 11.
 Brochu, Arthur J., assignor to Wolverine Metal Specialties Co., Grand Rapids, Mich. Radiator cap for automobiles. Des. 65,958; Nov. 11.
 Brockett, Bluford W., Cleveland Heights, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Ironing machine. 1,514,888; Nov. 11.
 Broekman, Anton L., York, England. Motor vehicle and trailer. 1,515,090; Nov. 11.
 Broschelt, Wilhelm, Wayne, Nebr. Atomizing gasket. 1,515,455; Nov. 11.
 Brothers, Eli, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lasting apparatus. 1,515,008; Nov. 11.

Brower, Charles A. (See Brower, James F. and C. A.)
 Brower, James F. and C. A., assignors of one-third to J. J. Brennan, Lansing, Mich. Doorstop. 1,515,091; Nov. 11.
 Brown, Michael, Brooklyn, N. Y. Electrical laundry iron. 1,514,950; Nov. 11.
 Brown, Ralph L., and W. W. Odell, Pittsburgh, Pa. Purifying combustible gas. 1,514,889; Nov. 11.
 Brown, Samuel R. (See Kelleher, F. T., and Brown.)
 Brown, Thomas N., Fort Wayne, Ind. Ironing machine. 1,515,545; Nov. 11.
 Brown, Westgarth S. F., Haslemere, England. Variable-speed gear. 1,514,601; Nov. 11.
 Browne, Charles E., Oakland, Calif. Reamer. 1,515,430; Nov. 11.
 Browne, Milton W., Kansas City, Mo. Cold-storage system. 1,515,546; Nov. 11.
 Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Machine for casting stereotype plates. 1,514,767; Nov. 11.
 Brunswick-Balke-Collender Company. (See Bishop, Joseph W., assignor.)
 Buchanan, William C. K., Chicago, Ill. Inhaler. 1,514,890; Nov. 11.
 Buckle, Horace L. T., Ylswley, England. Diaphragm-holding ring for talking machines and other acoustical instruments. 1,515,456; Nov. 11.
 Buckman, Worth C., Proport, N. Y., assignor to The Linde Air Products Company. Blowpipe apparatus. 1,514,650; Nov. 11.
 Bumgardner, Ward L., and E. H. Hall, Columbus, Ohio. Dental bridge anchor. 1,514,891; Nov. 11.
 Bump, Wilson A., Pittsfield, Mass. Claw bar. 1,515,009; Nov. 11.
 Burgess, Frank, Quincy, Mass. Gear-cutting machine. 1,514,651; Nov. 11.
 Burgess, George L., Goodland, Ind. Bill file. 1,514,892; Nov. 11.
 Burgess, Robert, Newton Center, assignor of one-half to J. H. Jones, Winthrop, Mass. Stop motion for spinning frames. 1,515,141; Nov. 11.
 Burgoyne Light & Signal Corporation. (See Olsson, Zacharias, assignor.)
 Burke, Henry T., Tulsa, Okla. Electric fish stop. 1,515,547; Nov. 11.
 Burmaster, Ellis K., Milwaukee, Wis. Connecting rod. 1,514,652; Nov. 11.
 Burns, Leonard S., and F. D. Wilson, Ottumwa, Iowa, assignors, by mesne assignments, to Austin Manufacturing Company, Chicago, Ill. Road-grading device. 1,515,457; Nov. 11.
 Burt, George W., et al. (See Myers, Wilson R., assignor.)
 Buryman, Robert A. (See Smith, William M., assignor.)
 Butcher, Charles A., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic switching system. 1,515,579; Nov. 11.
 Butler Engine and Foundry Co. (See Palm, Victor H., assignor.)
 Butler, John, Echo, assignor of one-half to A. J. Hinz, Wood Lake, Minn. Hammer-action nail puller and wrecking bar. 1,515,142; Nov. 11.
 Butfield, Alfred C. (See Boyer, E. S., and Butfield.)
 Cain, John J., Bayonne, N. J. Locomotive boiler. 1,514,655; Nov. 11, 1924.
 Cain, Thomas. (See Johnson, C. V., and Cain.)
 California Cedar Products Company. (See Makowski, John F., assignor.)
 Candee, Andrew H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,515,143; Nov. 11.
 Capstan Glass Company. (See Kucera, Peter, assignor.)
 Carborundum Company, The. (See Tone, Frank J., assignor.)
 Cardarelli, Emilio, Boston, Mass. Extension stepladder. 1,515,010; Nov. 11.
 Cardwell, Allen D., Rockville Center, N. Y. Tail light. 1,514,653; Nov. 11.
 Carlson, Anthony E., Los Angeles, Calif. Jack. 1,514,893; Nov. 11.
 Carlson-Wenstrom Company. (See Lundgren, Jacob, assignor.)
 Carr, George S., Boston, Mass. Coupling device for dog collars and other uses. 1,514,654; Nov. 11.
 Carson, Clarence, assignor to Dodge Brothers, Detroit, Mich. Heater valve. 1,515,337; Nov. 11.
 Carson, John W. (See Smith, J. W., and Carson.)
 Carter, Ray L., Syracuse, N. Y. Portable routing and profiling machine. 1,514,894; Nov. 11.
 Carter, Willis M., Hoboken, N. J., assignor of one-half to N. H. Ludwig, New York, N. Y. Collapsible display device. 1,515,338; Nov. 11.
 Casey, Katherine A., Lynbrook, N. Y. Gate adjuster. 1,514,830; Nov. 11.
 Cash, Joseph, Tipton, England. Shaking or oscillating device for molding boxes. 1,515,339; Nov. 11.
 Cerotaky, Rudolf, Charlottenburg, near Berlin, Germany, assignor to W. Sasse, Spandau, Prussia, Germany. Apparatus for reboring holes on drilling machines and turning lathes. 1,515,548; Nov. 11.
 Cerveny, Anton, Bellewood, Ill. Swinging door or gate opening mechanism. 1,515,458; Nov. 11.
 Chain Belt Company. (See Roddy, Gustav R., assignor.)
 Chandler and Price Company, The. (See Tyler, R. S., and McGeorge, assignors.)

Charland, Frederick A., Lyndonville, Vt. Captive aeroplane toy. 1,514,602; Nov. 11.
 Charter, James A., Chicago, Ill. Wheel. 1,515,144; Nov. 11.
 Chayes, Herman E. S., New York, N. Y. Forming dental anchoring devices. 1,514,831; Nov. 11.
 Cheesman, James D., Kansas City, Mo. Roll-paper holder. 1,515,382; Nov. 11.
 Cheney, Coleman D., Lyndhurst, N. J., assignor to H. Schultz & Company, Chicago, Ill. Thumb-holding means for box-covering machines. 1,515,145; Nov. 11.
 Cheshire Kitchens, Inc. (See Morton, Walter S., assignor.)
 Chevrete, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving narrow wire fabric. 1,514,951; Nov. 11.
 Chicago-Cleveland Car Roofing Company. (See McMullen, John, assignor.)
 Chicago Flexible Shaft Company. (See Kocourek, Henry, assignor.)
 Chick, Thomas W., London, England. Coin-delivery or change-giving machine. 1,515,549; Nov. 11.
 Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company. Starting device. 1,514,832; Nov. 11.
 Christlansen, Hendrik, Milwaukee, Wis. Door lock. 1,515,550; Nov. 11.
 Christlansen, Julius C., New York, N. Y. Mechanical insect trap. 1,515,296; Nov. 11.
 Christo, Candido, Hanford, Calif. Fruit catcher. 1,515,551; Nov. 11.
 Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Fiber board and process of manufacturing the same. 1,514,655; Nov. 11.
 Clark, Frederic B., Englewood, N. J. Acrobatic toy. 1,515,146; Nov. 11.
 Clark, Jay W., New York, N. Y. Electric signal device. 1,515,147; Nov. 11.
 Cline, Webster C., Slate Run, Pa. Transmission band. 1,514,895; Nov. 11.
 Clinton, Harry D., Johnson City, N. Y. Textile spool and bobbin. 1,515,148; Nov. 11.
 Clogard Wardrobe Company. (See Normandy, Charles R., assignor.)
 Cloverleaf Propeller Company. (See Morrow, George W., assignor.)
 Cobb, J. Forrest, Portland, Oreg. Drying kiln. 1,515,431; Nov. 11.
 Coble, Ernest L., Alliance, Ohio. Grading excavator. 1,515,459; Nov. 11.
 Cocking, Richard, Waltham, Mass. Textile fabric. Des. 65,959; Nov. 11.
 Cocking Richard, Waltham, Mass. Textile fabric. Des. 65,960; Nov. 11.
 Cocking Richard, Waltham, Mass. Textile fabric. Des. 65,961; Nov. 11.
 Coe, Joseph H., assignor of one-third to E. F. Hynke and one-third to G. E. Wheeler, Burlington, Iowa. Display device. 1,515,460; Nov. 11.
 Cohen, Abe L., Milwaukee, Wis. Storm suit. 1,515,149; Nov. 11.
 Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,515,340; Nov. 11.
 Coloring Company, The. (See Mantle, Gregory D., assignor.)
 Comer, Claude L., Santa Ana, Calif. Plow and sub-soller. 1,514,656; Nov. 11.
 Condit Electrical Manufacturing Company. (See Almsworth, Chester D., assignor.)
 Condit Electrical Manufacturing Company. (See Greenwood, Talma T., assignor.)
 Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Aperiodic receiver system. 1,515,186; Nov. 11.
 Conrad, Harry W. (See Dickey, G. D., and Conrad.)
 Conrad, Henry S., trustee. (See Lundquist, F. A., and Kropp, assignors.)
 Contl, Eugene, Cliffside Park, N. J., assignor to A. Herz, New Rochelle, N. Y. Cutting machine. 1,514,758; Nov. 11.
 Conway, Alfred A., Cincinnati, Ohio. High-speed clutch. 1,515,341; Nov. 11.
 Cook, Harris J., assignor to The Stanley Works, New Britain, Conn. Spirit level. 1,515,239; Nov. 11.
 Cook, Ross C., assignor to The Tappan Stove Company, Mansfield, Ohio. Stove. 1,515,297; Nov. 11.
 Copeman, Lloyd G., Flint, Mich. Casting with plastic materials. 1,515,150; Nov. 11.
 Copley, James F., Thongsbridge, near Huddersfield, England. Mercerization of yarns in hank form. 1,514,833; Nov. 11.
 Corning Glass Works. (See Littleton, Jesse T., Jr., assignor.)
 Corti, Paolo, Milan, Italy. Pulverizing and nebulizing apparatus. 1,514,952; Nov. 11.
 Cotter, Edward J., Seattle, Wash. Receptacle. 1,515,011; Nov. 11.
 Cowles, Alfred H., assignor to The Electric Smelting & Aluminum Company, Seward, N. J. Process of producing alumina alkali and di-calcium silicate. 1,514,657; Nov. 11.

Cowper-Coles, Sherard O., Sunbury-on-Thames, England. Process and apparatus for coating wire and other drawn and rolled sections with other metals. 1,515,092; Nov. 11.

Cox, Kate L., Devonshire Parish, Bermuda. Container for oil or other liquid. 1,515,240; Nov. 11.

Craig, James, Butler, Pa. Apparatus for pointing bolts. 1,515,187; Nov. 11.

Craig, James W., Providence, R. I. Furnace attachment. Des. 65,963; Nov. 11.

Crauford-Lindsay, Wilfred P. (See Saunders, C. S., and Crauford-Lindsay.)

Crawford, Emerick H., assignor to The Oven Equipment & Mfg. Co., New Haven, Conn. Pie-plate holder for baking ovens. 1,515,188; Nov. 11.

Crites, Virgil C., and K. A. Wright, assignors to American Oil Dehydrating Co., Los Angeles, Calif. Dehydrating oil. 1,515,093; Nov. 11.

Croce, Sam, St. Joseph, Mo. Exhaust alarm and lock. 1,514,658; Nov. 11.

Crompton & Knowles Loom Works. (See Chevette, Augustin J., assignor.)

Crompton & Knowles Loom Works. (See Findlay, G. P., Lockwood, and Soderberg, assignors.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See Pfeiffer, George J., assignor.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crompton & Knowles Loom Works. (See Wattle, William M., assignor.)

Crompton, Randolph, Worcester, Mass. Weaving. 1,514,686; Nov. 11.

Croning, Johannes, Hamburg, Germany. Cylinder lock. 1,514,050; Nov. 11.

Crouch, Joseph R. (See Koehler, W. H., and Crouch.)

Crowley, Joseph P., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Apparatus for making continuous sheet glass. 1,514,953; Nov. 11.

Crumpton, William J., Superior, Wis., assignor, by mesne assignments, to William R. Heath, Buffalo, N. Y. Register mechanism and operating the same. 1,514,954; Nov. 11.

Cullen, George F., Trail, British Columbia, Canada. Maillet. 1,515,189; Nov. 11.

Cumbe, Jacob T., Orr, Okla. Insect trap. 1,515,094; Nov. 11.

Cummings, William P., Long Island City, N. Y. Snow remover. 1,515,553; Nov. 11.

Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Filling-cutting mechanism for shifting-shuttle box looms. 1,514,603; Nov. 11.

Cunningham, John, Snohomish, Wash. Movable power transmitter. 1,514,687; Nov. 11.

Curry, J. P., Mfg. Co. (See Foulder, Henry B., assignor.)

Curtin, David F., Chicago, Ill. Liner for sanitary soda holders. 1,515,151; Nov. 11.

Curtis, Lewis E., and J. Manofsky, assignors to Youngstown Pressed Steel Company, Warren, Ohio. Expanded-metal machine. 1,515,190; Nov. 11.

Cuthbert, John, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electric fixture. 1,514,759; Nov. 11.

Dane, Reinhardt, Pittsburgh, Pa. Grate for gas producers. 1,515,585; Nov. 11.

Dallas, William, and D. Livingston, Rangoon, Burma, India. Safety valve for liquid gauges. 1,515,461; Nov. 11.

Daly, Hubert B. (See Tasso, C., and Daly.)

Dance, Darnell A., Chicago, Ill. Directory board. 1,514,688; Nov. 11.

Danenhower, Elmer U., Atlantic City, N. J. Liquid-dispensing device. 1,514,834; Nov. 11.

Danforth, George L., Jr., Chicago, Ill. Construction of open-hearth-furnace ports. 1,515,462; Nov. 11.

Darrah, William A., Chicago, Ill. Apparatus for treating air and other gases. 1,514,835; Nov. 11.

Darsie, George. (See Darsie, James A. and G.)

Darsie, James A. and G., Pittsburgh, Pa. Headlight. 1,515,095; Nov. 11.

Daubenspeck Chain Company. (See Bishop, Earl H., assignor.)

Daugherty, George R. (See Park, Jefferson D., assignor.)

David, Gabriel, Smith's Falls, Ontario, Canada. Locomotive-cab window. 1,515,241; Nov. 11.

Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting temple for looms. 1,514,604; Nov. 11.

Davis, Henry G. (See Lee, Charles A., assignor.)

Davis, John T., Dayton, Ohio. Cotton chopper. 1,515,012; Nov. 11.

Davis, Thomas J., Duquesne, and J. W. Forsythe, Wilkesburg, Pa. Igniter car for sintering apparatus. 1,515,096; Nov. 11.

Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Tube-ejecting and offset mechanism for tube-making machines. 1,515,383; Nov. 11.

Davis, William H. (See Bonnington, Alexander, assignor.)

Dawson, Elma N. (See Dawson, James C., assignor.)

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,515,298; Nov. 11.

Day, Fielden A., Arjay, Ky. Track-sanding device. 1,515,554; Nov. 11.

Deadwyler, Carl M., Waco, Tex. Furniture brace. 1,514,836; Nov. 11.

Denkin, Gerald, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. 1,514,837; Nov. 11.

De Camp, Ray E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,515,191; Nov. 11.

Decoma Leather Specialty Company. (See Magnuson, Axel H., assignor.)

De Costa, Benjamin F., Roxbury, assignor of one-half to himself and one-half to W. A. De Costa, New Bedford, Mass. Paper-cutting machine. 1,515,013; Nov. 11.

De Costa, William A. (See De Costa, Benjamin F., assignor.)

De Forest, Lee, Spuyten Duyvil, N. Y., assignor to De Forest Radio Telephone and Telegraph Company, Jersey City, N. J. Communication system for railway trains. 1,515,152; Nov. 11.

De Forest Radio Telephone and Telegraph Company. (See De Forest, Lee, assignor.)

De Lancy, Charles H., Binghamton, N. Y. Muffler. 1,515,463; Nov. 11.

Delco-Light Company. (See Hull, Harry B., assignor.)

Delco-Light Company. (See Kettering, Charles F., assignor.)

De May, Herman, Williamson, N. Y. Hand-actuated means for tractor clutch pedals. 1,514,838; Nov. 11.

Dentists' Supply Company, The. (See Dietz, Charles, assignor.)

Denver Sash Lock Company. (See Powers, John T., assignor.)

Derby, Homer E., Apache, Okla. Clippers. 1,515,555; Nov. 11.

Dessaignes, René, Asnières, France. Bottle. Des. 65,963; Nov. 11.

Dessery, Francis J., and W. Niebaum, Tonganoxie, Kans. Antiskid-chain-securing device. 1,514,660; Nov. 11.

Dexter, Benjamin R., Oakland, Calif. Table support. 1,515,242; Nov. 11.

Diana, Francis B. (See Gemino, C., and Diana.)

Dickey, George D., and H. W. Conrad, New York, N. Y. Filter. 1,514,955; Nov. 11.

Dickson, William E., assignor of one-half to G. B. Elliott, Ontario, Calif. Theft lock for disk wheels. 1,515,097; Nov. 11.

Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Controlling device for motor-driven sewing machines. 1,514,605; Nov. 11.

Dietz, Charles, York, Pa., assignor to The Dentists' Supply Company, Alloy. 1,515,464; Nov. 11.

Dietz, Paul, Philadelphia, Pa. Label-printing machine. 1,515,342; Nov. 11.

Dilks, James J., Philadelphia, Pa. Film reinforcement and making same. 1,515,343; Nov. 11.

Dinesen, Laurits, Minneapolis, Minn. Rotary pump. 1,515,192; Nov. 11.

Ditthornner, John R., Hyron, Nebr. Spark arrester. 1,514,956; Nov. 11.

Dittmar, Ferdinand C., San Francisco, Calif., assignor, by mesne assignments, to Bethlehem Steel Company, Bethlehem, Pa. Wheel. 1,515,153; Nov. 11.

Dixon, H. L., Company. (See Milner, Edwin E., assignor.)

Dobbins Manufacturing Company, The. (See Brandt, Henry E., assignor.)

Dobry, Anthony, Fort Pierce, Fla. Shoe finishing and ornamenting tool. 1,515,465; Nov. 11.

Dodge Brothers. (See Carson, Clarence, assignor.)

Dodge Brothers. (See Martin, Ferman P., assignor.)

Domestic Electric Company, The. (See Jaunell, William, assignor.)

Donner Steel Company. (See Thomas, Frank L., assignor.)

Doran, John C., Danbury, Conn. Hair-curling device. 1,514,957; Nov. 11.

Dore, Daniel E., Lebanon, Pa. Metallic folding pole. 1,515,466; Nov. 11.

Doughty, George F., et al. (See Overman, George W. P., assignor.)

Dover, George W., Cranston, assignor of one-half to J. Montgomery, Woonsocket, R. I. Bobbin holder. 1,515,243; Nov. 11.

Dow Chemical Company, The. (See Veazey, William R., assignor.)

Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,514,689; Nov. 11.

Down, Sidney G. (See Stewart, C. D., and Down.)

Downs, Charles F., Cleveland, Ohio. Slicing apparatus. 1,515,014; Nov. 11.

Downs, Charles R., and C. G. Stupp, Clifside, N. J., assignors to The Barrett Company, Process and apparatus for catalytic oxidation. 1,515,299; Nov. 11.

Doxford, Robert P. (See Keller, Karl O., assignor.)

Drabble, Harold, London, and D. W. E. Kyle, Chiswick, London, England. Windscreen for vehicles. 1,514,700; Nov. 11.

Draper Corporation. (See Cunniff, Edward A., assignor.)

Draper Corporation. (See Davis, Harry A., assignor.)

Draper Corporation. (See Simpson, Edward S., assignor.)

Drawing, Charles H., Philadelphia, Pa. Pillow telephone. 1,515,467; Nov. 11.

Dreaper, William P., London, England. Manufacture of artificial silk and the like. 1,515,556; Nov. 11.

Dredge, William, Manchester, England. Biscuit-making apparatus. 1,515,098; Nov. 11.

Driscoll, Arthur J., Jamaica Plain, and F. A. Reinhard, Reading, assignors to Utility Manufacturing & Sales Corporation, Boston, Mass. Window cleaner. 1,515,015; Nov. 11.

Dubee, Adelard J., Glens Falls, N. Y. Anchoring device. 1,515,557; Nov. 11.

Du Pont, E. I., de Nemours & Company. (See Nervus, George H., assignor.)

Dutcher, Pierpont E., Upper Montclair, N. J. Golf club. 1,514,958; Nov. 11.

Early, John N., assignor to W. J. Early Sons Foundry Corporation, Pittsburgh, Pa. Producing chilled-iron-alloy castings. 1,515,244; Nov. 11.

Early, W. J., Sons Foundry Corporation. (See Early, John N., assignor.)

Earp-Thomas, Henry W., New York, N. Y. Culture of beneficial soil bacteria and producing same. 1,515,016; Nov. 11.

Eastin, Rollie R., Seattle, Wash., assignor, by mesne assignments, of one-half to E. B. Samples, Apparatus for stamping or branding nuts. 1,515,561; Nov. 11.

Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator connector. 1,515,193; Nov. 11.

Ebling, Richard, Eau Claire, Wis. Door for grain cars. 1,515,558; Nov. 11.

Economy Fuse and Manufacturing Company. (See Cuthbert, John, assignor.)

Eddins, Sextus A., Brockton, Mass. Garter. 1,515,468; Nov. 11.

Edmonds, Dean S. (See Ernst, Frank G., assignor.)

Edmonds and Jones Corporation. (See Godley, Charles E., assignor.)

Edwards, Charles J., Marshall, Mo. Animal trap. 1,515,559; Nov. 11.

Edwards, George H. (See Alderman, M., and Edwards.)

Edwards, Gerald T., Leicester, and R. A. Blakeborough, Brighouse, England. Self-closing valve. 1,514,839; Nov. 11.

Electric Smelting & Aluminum Company. (See Cowles, Alfred H., assignor.)

Electric Water Sterilizer and Ozone Company. (See Hartman, Frank E., assignor.)

Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)

Electro Metallurgical Company. (See Erickson, Albert N., assignor.)

Electrotop Manufacturing Company. (See Katteyer, Frederick J., assignor.)

Ella, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. 1,515,194; Nov. 11.

Ella, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. 1,515,195; Nov. 11.

Ellingham, Robert W. (See Fleming, G. W., and Ellingham.)

Elliott, George B. (See Dickson, William E., assignor.)

Elliott, Harry D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. 1,514,606; Nov. 11.

Ella, George, assignor to Maddock Pottery Company, Trenton, N. J. Plate or similar article. Des. 65,964; Nov. 11.

Ella, Victor G., New York, N. Y., assignor to himself, H. P. Hagelstein, and C. W. Hagelstein. Motor suspension. 1,514,607; Nov. 11.

Elwell, Vernon L., Leeton, Mo. Closure arrangement for containers. 1,515,560; Nov. 11.

Ely, Alfred, Roslyn, N. Y. Illuminated traffic sign. 1,514,608; Nov. 11.

Elzey, Edgar P., Parkersburg, W. Va., assignor to R. J. McKay, T. J. McKay, and F. A. Bond, Pittsburgh, Pa. Antiskid chain. 1,514,896; Nov. 11.

Enfield, William H., and C. P. Goplerud, Osage, Iowa. Warning signal. 1,515,017; Nov. 11.

Ensell, Fritz, Roselle, N. J. Nonelectric igniter. 1,515,562; Nov. 11.

Erickson, Albert N., Elmhurst, assignor, by mesne assignments, to Electro Metallurgical Company, New York, N. Y. Recovery of vanadium. 1,515,245; Nov. 11.

Ernst, Frank G., assignor to D. S. Edmonds, New York, N. Y. Manufacturing planos. 1,514,840; Nov. 11.

Erricson, John F., Ramsey District, Alberta, Canada. License plate for automobiles and the like. 1,514,841; Nov. 11.

Evans, Ashli L., Boston, Mass. Cutting tool. 1,514,842; Nov. 11.

Evans, Edwin R., Detroit, Mich. Fluid-operated brake. 1,515,018; Nov. 11.

Evans, Edwin R., Detroit, Mich. Motor-vehicle brake. 1,515,019; Nov. 11.

Ewald, Frank X., La Salle, Ill. Vehicle signal. 1,514,843; Nov. 11.

Facessler, J., Manufacturing Company, The. (See Maupin, Graves R., assignor.)

Fairmont Gas Engine & Ry. Motor Car Co. (See Kasper, Walter F., assignor.)

Fannen, Patrick L., assignor to J. W. Prentiss, New York, N. Y. Package holder. 1,515,469; Nov. 11.

Farbwerke vorm. Meister Lucius & Brüning. (See Kolbe, W., Bauer, and Maschmann, assignors.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. 1,514,690; Nov. 11.

Farnsworth, Kenneth C. (See Roberts, C. V., and Farnsworth.)

Federal Phosphorus Company. (See Klugh, Bethune G., assignor.)

Feldman, Harry, Brooklyn, N. Y. Garment. 1,515,020; Nov. 11.

Felix, Frank L. (See Frame, Archie J., assignor.)

Fellabaum, Newton, Sperry, Okla. Pump-operating means. 1,515,099; Nov. 11.

Fellencer, Norman R., Allentown, Pa. Expander for finger rings. 1,515,563; Nov. 11.

Ferber, Louis M. (See Weinbaum, H., Ferber, and Leonard.)

Fergusson, Alan R., Buffalo, N. Y. Toy railway starter clock. 1,515,154; Nov. 11.

Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass drawing furnace. 1,515,021; Nov. 11.

Ferris, John, Chicago, Ill. Power transmission. 1,515,300; Nov. 11.

Feld, Bertrand L., Minneapolis, Minn. Folding-seat attachment. 1,515,564; Nov. 11.

Feld, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,514,844; Nov. 11.

Fiffeld, Albert F., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming mechanism for sewing machines. 1,514,609; Nov. 11.

Findlay, George P., G. D. Lockwood, and J. G. Soderberg, Worcester, Mass., assignors to Crompton & Knowles Loom Works. Yarn-tube frame. 1,515,022; Nov. 11.

Finis, Richard A., San Francisco, Calif. Vehicle signal-lamp casing. Des. 65,965; Nov. 11.

Fink, John, New York, N. Y. Mechanism for embroidery stitching. 1,515,301; Nov. 11.

Finnegan, Ambrose J., Castalia, Iowa. Vehicle fender or bumper. 1,515,565; Nov. 11.

Finnegan, Ambrose J., Castalia, Iowa. Vehicle fender. 1,515,566; Nov. 11.

Finnegan, Ambrose J., Castalia, Iowa. Vehicle fender. 1,515,567; Nov. 11.

Fischer, Ernest, Terra Bella, Calif. Door or window catch or holding device. 1,514,845; Nov. 11.

Fisk Rubber Company, The. (See Wolfe, Chase W., assignor.)

Fitch, Benjamin F., Greenwich, Conn. Gantry crane. 1,515,023; Nov. 11.

Flatley, John H., Little York, Ill. Road-grading machine. 1,514,846; Nov. 11.

Fleming, George W., and R. W. Ellingham, assignors to Van Norman Machine Tool Company, Springfield, Mass. Grinding machine. 1,515,568; Nov. 11.

Fleittner, Anton, Berlin-Schöneberg, Germany. Steering gear. 1,515,024; Nov. 11.

Foley, Arthur L., Bloomington, Ind. Locomotive whistle and mounting. 1,515,471; Nov. 11.

Ford, Henry, Dearborn, Mich. Piston ring. 1,515,246; Nov. 11.

Forsyth, Burton A., Elmira, N. Y. Wheel puller. 1,515,247; Nov. 11.

Forsythe, John W. (See Davis, T. J., and Forsythe.)

Fosdyck, Thomas H., assignor of one-half to A. Galbinsky, Monrovia, Calif. Safety railway switch. 1,515,569; Nov. 11.

Foster, Walter L., assignor of twenty-four one-hundredths to H. C. Smith and twenty-four one-hundredths to C. Allen, Whittier, Calif. Rear clutch for motor vehicles and the like. 1,515,100; Nov. 11.

Foulder, Henry B., Brooklyn, N. Y., assignor to J. P. Curry Mfg. Co., Inc., Stamford, Conn. Tie-twisting tool. 1,515,470; Nov. 11.

Fowler, Clarence B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,514,847; Nov. 11.

Fowler, George R., Marlboro, N. Y. Fruit-basket cover and holder. 1,515,570; Nov. 11.

Fowler, Mack J., assignor to White American Locomotive Sander Company, Incorporated, Roanoke, Va. Locomotive sanding apparatus. 1,515,571; Nov. 11.

Fowler, Otis L., Lynbrook, N. Y. Air compressor. 1,515,101; Nov. 11.

Foy, John C., Omaha, Nebr. Screw-driving machine. 1,515,025; Nov. 11.

Frame, Archie J., Miami, Fla., assignor of one-half to F. L. Felix, Hartford, Ky. Carburetor. 1,515,384; Nov. 11.

Franchot, Richard, et al. (See McElroy, Karl P., assignor.)

Frank, Harry S., Woodmere, N. Y. Making piston rings. 1,515,472; Nov. 11.

Frank, Irene. (See Moreton, Everett D., assignor.)
 Fraser, Chelsea C., and J. A. Goss, Grand Rapids, Mich. Inkwell. 1,514,810; Nov. 11.
 Fraunfelder, Gustav A., Chicago, Ill. Pressure greasing device. 1,515,028; Nov. 11.
 Frechin, Margaret A., Girard, Kans. Bedstead attachment. 1,515,473; Nov. 11.
 Freeman, E. H. Electric Company. (See Schermerhorn, Joseph A., assignor.)
 Freitag, Isador. (See Tennenbaum, L. S. and Freitag.)
 French, Robert G., Chicago, Ill. Combined radio-phonograph and phonograph. 1,514,897; Nov. 11.
 Freundlich, Ralph A., Brooklyn, N. Y. Doll. Des. 65,966; Nov. 11.
 Freundlich, Ralph A., Brooklyn, N. Y. Doll. Des. 65,967; Nov. 11.
 Frey, Ellsworth, Springfield, Mass., assignor, by mesne assignments, to Ulter Manufacturing Company, Hartford, Conn. Sheet-handling mechanism for presses, creasers, and the like. 1,515,572; Nov. 11.
 Fritzsche, Alfred, et al. (See Ahim, Charles E. F., assignor.)
 Fritzsche, Alfred, et al. (See Ahim, C. E. F., and Hall, assignors.)
 Furber, Frederick M., Revere, Mass. Spark plug and manufacturing the same. 1,515,248; Nov. 11.
 Gabler, Johann, Ettlingen, Germany. Device for introducing the wool by means of a gripping contrivance in looms. 1,515,102; Nov. 11.
 Gaddis, Hugh L., assignor to American Steel Products Co., Macomb, Ill. Slow-burning stove. 1,515,249; Nov. 11.
 Gage, Charles H., Columbus, Ohio. Digester. 1,515,103; Nov. 11.
 Galbinsky, Abram. (See Fosdyck, Thomas H., assignor.)
 Gantz, Amos F., Woodstown, N. J. Ice-cream-brick cutter. 1,514,848; Nov. 11.
 Garner, Henry and J. P., Birmingham, England. Transparent panel. 1,515,573; Nov. 11.
 Garner, Henry and J. P., Birmingham, England. All-weather body for vehicles. 1,515,574; Nov. 11.
 Garner, James P. (See Garner, Henry and J. P.)
 Gaskins, Palemon H., Jacksonville, Fla. Lubricating device. 1,515,196; Nov. 11.
 Gazda, Adolph A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,515,197; Nov. 11.
 Geiger, Edwin A., Ridgewood, N. J., and H. T. Jennings, Brooklyn, N. Y., assignors to Rapid Addressing Machine Company. Card dampening and stenciling machine. 1,514,611; Nov. 11.
 Gelsey, George L., Steubenville, Ohio. Thermionic device. 1,514,898; Nov. 11.
 Gelette, Marshall W., New Bedford, Mass. Gear-shifting apparatus. 1,515,575; Nov. 11.
 Gemino, Carl, and F. B. Diana, Waterbury, Conn. Water-vaporizing attachment for internal-combustion engines. 1,515,250; Nov. 11.
 General Fire Extinguisher Company. (See Loepsinger, Alber J., assignor.)
 General Fireproofing Company, The. (See Schmitz, Fred A., assignor.)
 General Motors Corporation. (See Taub, Alex., assignor.)
 General Motors Corporation. (See Whitten, Frank A., assignor.)
 Genese, David, Baltimore, Md. Cap for milk bottles. 1,515,432; Nov. 11.
 Gentzke, Fritz, Zeesen, near Konigs Wusterhausen, Germany, assignor, by mesne assignments, to American Investigation Corporation, New York, N. Y. Sleeping compartment. 1,515,576; Nov. 11.
 Gentzke, Fritz, Zeesen, near Konigs Wusterhausen, assignor to Luftfahrzeugbau Schutte-Lanz, Mannheim-Rheinau, Germany. Landing apparatus for airships. 1,515,577; Nov. 11.
 George, Harry F., Chicago, Ill. Locking means. 1,515,302; Nov. 11.
 Georgla, Edward H., Waterbury, Conn. Station indicator. 1,515,433; Nov. 11.
 Gerhardt, Louis W., Coatesville, Pa. Furnace protection. 1,515,027; Nov. 11.
 Gerwig, Frederick H., N. Braddock, Pa. Igniting blast furnaces. 1,514,849; Nov. 11.
 Ghent, George A., Buhl, Idaho. Corrugator. 1,515,104; Nov. 11.
 Gibson, Jesse G., assignor to The Bessemer Gas Engine Company, Grove City, Pa. Valve. 1,515,474; Nov. 11.
 Gliden, Abraham J., Brooklyn, N. Y. Safety appliance for gas burners. 1,514,899; Nov. 11.
 Gillett, Merrillman C., Philadelphia, assignor to Standard Heater Company, Williamsport, Pa. Grate apparatus for water heaters. 1,515,028; Nov. 11.
 Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Drill bit. 1,515,434; Nov. 11.
 Gilman, John A., Seattle, Wash. Tapeline reel. 1,514,900; Nov. 11.
 Gilman, John A., Seattle, Wash. Tapeline reel. 1,514,901; Nov. 11.
 Gilmore, Carl, Oakland, Calif. Metal furring. 1,514,902; Nov. 11.
 Glanschnig, Ignatz, Gary, Ind., assignor of one-half to F. E. Hummel, Chicago, Ill. Kraut press. 1,514,761; Nov. 11.

Glaser, Albert, New Orleans, La. Electrical switch. 1,515,578; Nov. 11.
 Glasgow, Ernest M., Port Chester, assignor to Russell & Stoll Company, New York, N. Y. Conduit fitting. 1,514,612; Nov. 11.
 Glass, John T., Harrisburg, Tex. Pulling device for vehicles. 1,514,691; Nov. 11.
 Glennon, James, Rochester, Minn. Dirigible headlight. 1,515,105; Nov. 11.
 Glover, William G., London, England. Bilge block, keel block, and the like. 1,515,435; Nov. 11.
 Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,514,613; Nov. 11.
 Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Side light. 1,514,950; Nov. 11.
 Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Parking lamp. 1,514,960; Nov. 11.
 Goethe, George M., Jacksonville, Fla. Flitch machine. 1,515,436; Nov. 11.
 Goetz, Julius F., Hartford, Wis. Automobile heater. 1,515,106; Nov. 11.
 Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Coordinate switch. 1,514,850; Nov. 11.
 Goldberger, Abraham, New York, N. Y. Machine for corrugating metal strips. 1,515,107; Nov. 11.
 Golden, Harry A. (See Goldman, M. D., and Golden.)
 Goldman, Julius, Atlantic City, N. J. Amusement apparatus. 1,514,961; Nov. 11.
 Goldman, Manuel D., Rome, and H. A. Golden, Brooklyn, N. Y. Resilient heel. 1,514,692; Nov. 11.
 Goode, John F. (See Graves, Henry W., assignor.)
 Goodman, Samuel, Chicago, Ill. Window. 1,514,762; Nov. 11.
 Goodrich, B. F., Company, The. (See Goodwin, John O., assignor.)
 Goodrich, B. F., Company, The. (See Moon, Alfred E., assignor.)
 Goodwin, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for vulcanizing sponge-rubber articles. 1,515,475; Nov. 11.
 Goplerud, Clifford P. (See Enfield, W. H., and Goplerud.)
 Gordon Electric Mfg. Co., The. (See Seltzer, Ira R., assignor.)
 Gorman, Frank S., Haverhill, Mass. Shoe. 1,515,198; Nov. 11.
 Gormley, Frank L., Brookline, Mass. Speed control for revolving doors and the like. 1,514,851; Nov. 11.
 Goss, George P., Worcester, Mass., assignor, by mesne assignments, to Worcester Electric Tool Company. Valve grinder. 1,515,029; Nov. 11.
 Goss, Josephine A. (See Fraser, C. C., and Goss.)
 Goss Printing Press Company. (See Bruesshaber, Martin W., assignor.)
 Goss Printing Press Company. (See Henzl, Albert A., assignor.)
 Goss Printing Press Company. (See Morgan, John D., assignor.)
 Goss Printing Press Company. (See Smith, Ernest J., assignor.)
 Goss Printing Press Company. (See Walser, Joseph J., assignor.)
 Gouldbourn, Joseph, and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,514,614; Nov. 11.
 Grady, Richard T., San Diego, Calif. Heating device for gasoline lanterns. 1,515,030; Nov. 11.
 Grady, Richard T., San Diego, Calif. Vapor feed for gasoline lanterns. 1,515,031; Nov. 11.
 Graff, Frederick W., Chicago, Ill. Grain product and manufacture. 1,515,108; Nov. 11.
 Graham, Charles C. (See Hamer, M. O., Lange, and Graham.)
 Grau, Georg and P. B. Rother, Chemnitz, Germany. Preventing the turning blue of wood. 1,514,693; Nov. 11.
 Graves, Henry W., assignor of one-half to J. F. Goode, Chicago, Ill. Street-traffic system. 1,515,251; Nov. 11.
 Great Western Sugar Company, The. (See Morrison, Edwin, assignor.)
 Greenfield, John E., El Centro, Calif. Weed destroyer. 1,515,476; Nov. 11.
 Greenwood, Talma T., Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,515,032; Nov. 11.
 Greer, Medorem W., assignor to All Metal Airplane Company, Inc., New York, N. Y. Flying machine. 1,514,694; Nov. 11.
 Grenier, George, Newark, N. J. Hydroplane boat. 1,514,695; Nov. 11.
 Grimaldi, Emil, Brooklyn, N. Y. Umbrella-strap ring. 1,514,962; Nov. 11.
 Grings, Casper H., assignor to Waterloo Saddlery Company, Waterloo, Iowa. Terret fastener. 1,515,033; Nov. 11.
 Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Balancing crank shafts. 1,515,034; Nov. 11.
 Grohens, Albert P., Marshall, Mich. Coffee roaster. 1,515,385; Nov. 11.

Grohens, Albert P., Marshall, Mich. Blanching machine. 1,515,386; Nov. 11.
 Grohens, Albert P., Marshall, Mich. Blanching machine. 1,515,387; Nov. 11.
 Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire or thread whipping mechanism. 1,514,852; Nov. 11.
 Grubman, Leo J., New York, N. Y. Sound-producing device. 1,515,477; Nov. 11.
 Guest, Horace C. (See Webb, S., and Guest.)
 Gulde Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)
 Gury, John B., St. Louis, Mo. Cloth-cutting machine. 1,514,696; Nov. 11.
 Gury, John B., St. Louis, Mo. Cloth-cutting machine. 1,514,697; Nov. 11.
 Gury, John B., Jr., and R. H. E. Schlecht, St. Louis, Mo. Induction motor. 1,515,478; Nov. 11.
 Gusakov, Kuprian, Lackawanna, N. Y. Bumper-operated clutch release and brake applicator for automobiles. 1,515,035; Nov. 11.
 Gush, Arthur S., Hove, England. Electrolytic anticorrosion system. 1,514,903; Nov. 11.
 Haas, Arthur, Beechhurst, N. Y. Sharpening device. 1,515,036; Nov. 11.
 Haase, Carl O., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire or thread whipping mechanism. 1,514,853; Nov. 11.
 Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Automatic heel-breast trimming and finishing machine. 1,514,615; Nov. 11.
 Hagelstein, Charles W., et al. (See Ellis, Victor G., assignor.)
 Hagelstein, Harry P., et al. (See Ellis, Victor G., assignor.)
 Hall, Charles S., Los Angeles, Calif. Aircraft. 1,515,037; Nov. 11.
 Hall, Don. (See Needham, Edward F., and T. H., assignors.)
 Hall, Eugene H. (See Bumgardner, W. L., and Hall.)
 Hall, Harry Y. (See Ahim, C. E. F., and Hall.)
 Hamblin, Ed., Jr., Woodward, Okla. Pool-table pocket guard. 1,514,963; Nov. 11.
 Hamer, Milton O., W. F. Lange, and C. C. Graham, Crete, Nehr. Brush. 1,514,763; Nov. 11.
 Hamilton, Edward J., Baltimore, Md. Tong. 1,515,038; Nov. 11.
 Hampton, James G., Lafontaine, Kans. Water system. 1,514,998; Nov. 11.
 Hinds, Howard A., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature regulator. 1,515,199; Nov. 11.
 Hansen, Hans P., Orange, N. J., assignor to Hansen Windshield Cleaner Co., Inc. Windshield-cleaning device. 1,515,584; Nov. 11.
 Hansen Windshield Cleaner Co. (See Hansen, Hans P., assignor.)
 Hanson, Bengt M. W., Hartford, Conn. Metal-working machine. 1,515,039; Nov. 11.
 Hanson, Earl C., Washington, D. C. Method and apparatus for wireless control for torpedoes, etc. 1,514,699; Nov. 11.
 Harbison-Walker Refractories Company. (See Youngman, Robert H., assignor.)
 Hardy, Edwin L. (See Morse, Clyde S., assignor.)
 Harlow, John B., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,514,854; Nov. 11.
 Harris, Burton S., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Seed drill. 1,514,700; Nov. 11.
 Harrison, George D., North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Ribbon-bracelet clasp. 1,515,479; Nov. 11.
 Harrison, Haydn T., Westminster, England. Fitting for lighting purposes. 1,514,616; Nov. 11.
 Hart, William B., executor. (See Hart, William H., Jr.)
 Hart, William H., Jr., deceased, by W. B. Hart, executor, Philadelphia, Pa. Neckwear clip. 1,515,303; Nov. 11.
 Hart, William H., Jr., deceased, by W. B. Hart, executor, Philadelphia, Pa. Hook-and-eye attachment. 1,515,304; Nov. 11.
 Hartford Sterling Co., The. (See Hobson, Arthur E., assignor.)
 Hartinger, Edward T., New York, N. Y. Eye-testing apparatus. 1,515,305; Nov. 11.
 Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Current-modifying relay system. 1,515,109; Nov. 11.
 Hartman, Frank E., assignor to Electric Water Sterilizer and Ozone Company, Scottsdale, Pa. Generating ozone. 1,514,964; Nov. 11.
 Hartshorn, Stewart, Short Hills, assignor to Stewart Hartshorn Company, East Newark, N. J. Shade fastening. 1,515,040; Nov. 11.
 Haub, Max W., Alhambra, Calif. Radio receiving and transmitting system. 1,514,661; Nov. 11.
 Heald, Jacob, St. Louis, Mo. Hawk. 1,515,437; Nov. 11.
 Heath, Alfred C. (See Heath, George W., assignor.)
 Heath, George W., assignor of one-half to A. C. Heath, East Orange, N. J. Pencil. 1,514,965; Nov. 11.
 Heath, William R. (See Crumpton, William J., assignor.)
 Hebert, Edmond. (See Hebert, Louis R. and E.)

Hebert, Louis R. and E., Fall River, Mass. Automatic brake actuator for motor vehicles. 1,515,041; Nov. 11.
 Heck, August, Philadelphia, Pa. Electrolyte and composition for forming the same. 1,515,042; Nov. 11.
 Hedstrom, Gustav W., Chicago, Ill., assignor to American Can Company, Drying machine. 1,515,306; Nov. 11.
 Heiberg, Oscar E., Brooklyn, N. Y. Phonograph transmitting reproducer. 1,515,110; Nov. 11.
 Hell, Julius P., and A. Borchardt, Milwaukee, Wis. Truck-tank bumper. 1,515,111; Nov. 11.
 Heinzerling, August, Detroit, Mich. Woodworking machine. 1,514,764; Nov. 11.
 Helse, William H. (See Schuch, Jacob, assignor.)
 Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balanced phase converter with power-factor correction. 1,515,200; Nov. 11.
 Hennessey, James J., New York, N. Y. Lubricator. 1,514,855; Nov. 11.
 Herlich, Karl, Bad-Nauheim, Germany. Device for the treatment of women's abdominal complaints. 1,515,043; Nov. 11.
 Henricks, Arthur G., assignor to Pawling & Harnischfeger Company, Milwaukee, Wis. Contact finger. 1,514,904; Nov. 11.
 Henry, John L., Dallas, Tex. Walking toy. 1,514,966; Nov. 11.
 Henzl, Albert A., Chicago, Ill., assignor to Goss Printing Press Company. Stereotype-plate mechanism. 1,514,765; Nov. 11.
 Henzl, Albert A., Chicago, Ill., assignor to Goss Printing Press Company. Stereotype-plate mechanism. 1,514,766; Nov. 11.
 Herblin, Edinger G., assignor to The Nolde and Horst Company, Reading, Pa. Packaging paper. Des. 65,968; Nov. 11.
 Hernandez, P., Hernán, Maracalbo, Venezuela. Protecting covering for drinking vessels. 1,515,480; Nov. 11.
 Hernandez, Pascual, Camaguey, Cuba. Sugar-refining device. 1,515,481; Nov. 11.
 Herndon, William O., Haywood, Tenn. Backband buckle. 1,515,482; Nov. 11.
 Herz, Alexander. (See Conti, Eugene, assignor.)
 Hess, Lawrence J., Youngstown, and M. G. Benjamin, Poland, assignors to The Benjamin Engineering Company, Cleveland, Ohio. Furnace control. 1,515,044; Nov. 11.
 Hessel, William F., New York, N. Y. Switch construction. 1,514,905; Nov. 11.
 Hetherington, John, and Sons Limited. (See Horridge, James, assignor.)
 Hewitt, Herbert S., Farnborough, England. Tappet mechanism. 1,515,201; Nov. 11.
 Hill, Lester J., Lexington, N. C. Thread stand. 1,514,767; Nov. 11.
 Hinds, Emerson B., Dayton, Ohio. Gear shift. 1,515,045; Nov. 11.
 Hinchline, Harris D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company. Automatic flatiron controller. 1,515,202; Nov. 11.
 Hinz, August J. (See Butler, John, assignor.)
 Hirth, Albert, Canstatt-Stuttgart, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Crank shaft. 1,514,768; Nov. 11.
 Hisey, Walter H., Toledo, Ohio. Burner. 1,515,112; Nov. 11.
 Hjert, Andrew G., Seattle, Wash. Butt gauge. 1,515,483; Nov. 11.
 Hobson, Arthur E., assignor to The Hartford Sterling Co., Philadelphia, Pa. Serving platter. Des. 65,969; Nov. 11.
 Hodgkins, Charles H., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Starting mechanism for automobiles. 1,515,203; Nov. 11.
 Hoey, Samuel C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil-cup cover. 1,515,204; Nov. 11.
 Hoffman, Louis, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company. Pressing machine. 1,514,906; Nov. 11.
 Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon mechanism for typewriters. 1,515,438; Nov. 11.
 Holley, George M. (See Anderson, Raymond M., assignor.)
 Holley, George M. (See Stringer, Clyde W., assignor.)
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up mechanism for narrow-ware looms. 1,514,967; Nov. 11.
 Holmquist, August, and W. A. Bjorklund, assignors to Sprague-Sells Corporation, Hoopston, Ill. Finishing machine. 1,515,113; Nov. 11.
 Holstein, Henry G., Casper, Wyo. Vehicle washing device. 1,515,484; Nov. 11.
 Hoover Company, The. (See Oswald, Earl P., assignor.)
 Hope, William H., Providence, R. I. Engraving machine. 1,515,485; Nov. 11.
 Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
 Hopf, Herman, Buffalo, N. Y. Locking device. 1,515,486; Nov. 11.
 Hopkins, Charles R., Alliance, Ohio. Oil burner. 1,515,388; Nov. 11.

ALPHABETICAL LIST OF PATENTEES.

Hopkins, Clarence V., Los Angeles, Calif. Goggle. 1,513,389; Nov. 11.
 Hopper, Charles, Los Angeles, Calif. Machine for repairing scores in cylinders. 1,514,907; Nov. 11.
 Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, England. Clutch. 1,514,617; Nov. 11.
 Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuits. 1,514,701; Nov. 11.
 Houghton, Alfred M., et al. (See McElroy, Karl P., assignor.)
 Hoyt, William R., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,515,252; Nov. 11.
 Hubbard, Edward L., Oakland, Calif. Golf club. 1,515,390; Nov. 11.
 Huey, George W., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,515,205; Nov. 11.
 Huey, George W., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay and casing therefor. 1,515,204; Nov. 11.
 Hughes, Forrest L. (See Podratz, Renald A., assignor.)
 Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,514,662; Nov. 11.
 Huidner, Joseph P., New York, N. Y., assignor to The Unit Player Action Co. Player action. 1,514,702; Nov. 11.
 Hull, Edward T., New York, N. Y. Automatic speed-governing device for internal-combustion engines. 1,515,114; Nov. 11.
 Hull, Harry R., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,514,968; Nov. 11.
 Hummel, Frederick E. (See Glanschnig, Ignatz, assignor.)
 Humphries, Ralph, Detroit, Mich. Transmission. 1,515,047; Nov. 11.
 Humphries, Ralph, Detroit, Mich. Wheel mounting and oiling mechanism therefor. 1,515,046; Nov. 11.
 Humphries, Stanley D., Flint, Mich. Machine for making asphalt pavements and the like. 1,514,663; Nov. 11.
 Hummel, John E., Pueblo, Colo. Perpetual vacuum vapor appliance. 1,515,048; Nov. 11.
 Huneke, Emil F., et al. (See Coe, Joseph H., assignor.)
 Hunter, Edward J., Wayne, Neb. Garage-door-opening mechanism. 1,515,253; Nov. 11.
 Huyek, F. C., et al. (See Wilson, Ezekiel J., assignor.)
 Hyman, Henry F., Conroe, Tex. Oil burner. 1,514,703; Nov. 11.
 Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Terminal strip. 1,514,618; Nov. 11.
 Incandescent Supply Company. (See Ohm, Albert J. D., assignor.)
 Ingersoll Milling Machine Company, The. (See Lyon, Arthur H., assignor.)
 International Filter Company. (See Behrman, Abraham S., assignor.)
 International Motor Company. (See Sweeney, James F., assignor.)
 Irish, David J. (See Strachan, C., and Irish.)
 Isaacson, Sidney, New York, N. Y. Storage-battery container. 1,515,115; Nov. 11.
 Jack, Cornelius C., Victor, N. Y. Reamer. 1,514,704; Nov. 11.
 Jackson, Luther R. (See Seelye, J. T., and Jackson.)
 Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch. 1,515,116; Nov. 11.
 Jacobs, Walter A., Portland, Oreg. Automobile combination lock. 1,515,117; Nov. 11.
 Jannell, William, West Park, assignor to The Domestic Electric Company, Cleveland, Ohio. Centering machine. 1,514,908; Nov. 11.
 Jaspert, William H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Engine starter. 1,515,207; Nov. 11.
 Jelley, James J. (See Ledyard, H. A., and Jelley.)
 Jenkins, Charles, Delevan, N. Y. Cutter and feeder for potato planters. 1,515,049; Nov. 11.
 Jenkins, Howard F., Jeanette, Pa. Adhesive and coating composition. 1,515,439; Nov. 11.
 Jennings, Henry T. (See Geiger, E. A., and Jennings.)
 Jensen, Charlie P., Tescott, Kans. Marking instrument. 1,515,050; Nov. 11.
 Jensen, James B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,515,254; Nov. 11.
 Jewell, Omar H. (See Jewell, William M. and O. H.)
 Jewell, William M. and O. H., Chicago, Ill. Can opener. 1,515,487; Nov. 11.
 Johns, William L., assignor to The Scott Ullman Company, Cleveland, Ohio. Fixture. 1,515,118; Nov. 11.
 Johnson, Andrew R., and V. O. Williams, Chicago, Ill. Die-casting machine. 1,515,488; Nov. 11.
 Johnson, Clarence V., and T. C. Cain, Yates Center, Kans. Amusement device. 1,515,051; Nov. 11.
 Johnson, Richard W., Danville, Pa. Rotary valve mechanism for engines. 1,515,052; Nov. 11.
 Johnson, Simon H., New Haven, Conn. Clothes hanger. 1,515,489; Nov. 11.
 Johnson, Stephens, and Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
 Johnston, George A., and F. A. Boales, Portland, Oreg. Merchandise-handling apparatus. 1,514,769; Nov. 11.
 Johnston, Howard H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,515,208; Nov. 11.
 Johnston, Richard L., assignor to Bergman-Koropp & Co., Inc., Chicago, Ill. Decorative plant product. 1,515,053; Nov. 11.
 Jones, John G. (See Melchior, August E., assignor.)
 Jones, Joseph H. (See Burgess, Robert, assignor.)
 Jordan, Harry W., Syracuse, N. Y. Apparatus for humidification of air. 1,515,490; Nov. 11.
 Jordan, Joseph C., Readstown, Wis. Antiskid or traction shoe. 1,515,491; Nov. 11.
 Josephson, Walter S., assignor to B. M. J. Utilities, Inc., New York, N. Y. Refrigerating device. 1,515,119; Nov. 11.
 Joy, Amos B., Redondo, Calif. Push rod. 1,515,344; Nov. 11.
 Julien, Napoleon P., Springfield, Mass., assignor to Otis Elevator Company, Jersey City, N. J. Leveling device for electrical elevators. 1,515,209; Nov. 11.
 Kadesch, William H., Cedar Falls, Iowa. Power-transmitting device. 1,515,054; Nov. 11.
 Kadow, August, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Suction mold. 1,514,909; Nov. 11.
 Kahn, Moses M. (See Silva, Franklyn J., assignor.)
 Kalteyer, Frederick J., Philadelphia, Pa., assignor to Electrostop Manufacturing Company. Blade hone or strop. 1,515,210; Nov. 11.
 Kane, Lester L., Shambaugh, Iowa. Clmp. 1,514,910; Nov. 11.
 Kantro, Albert M., Chicago, Ill. Electric-light shade. Des. 65,970; Nov. 11.
 Kaplan, Victor, Brunn, Czechoslovakia. Draft or suction tube. 1,515,211; Nov. 11.
 Kasdan, Nathan, Bronx, and D. Pollack, Brooklyn, N. Y. Combination vanity article. 1,515,120; Nov. 11.
 Kasper, Walter F., assignor to Fairmont Gas Engine & Ry. Motor Car Co., Fairmont, Minn. Wheel. 1,515,212; Nov. 11.
 Katellin, Rudolph, Los Angeles, Calif. Folding rule. 1,515,055; Nov. 11.
 Kaufman, Robert R., assignor to The Master Builders Company, Cleveland, Ohio. Surfacing and coloring concrete. 1,515,121; Nov. 11.
 Keegan, Joseph P., Newark, N. J. Sounding toy. 1,515,580; Nov. 11.
 Keene, Wendell P., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,515,213; Nov. 11.
 Kelleher, Frank T., and S. R. Brown, Bend, Oreg. Kiln accessory. 1,515,214; Nov. 11.
 Kelleher, James, Goderich, Ontario, Canada. Regulating device for electric furnaces. 1,515,492; Nov. 11.
 Keller, Karl O., assignor of one-half to R. P. Dorford, Sunderland, Durham, England. Internal-combustion engine. 1,515,391; Nov. 11.
 Keller, Paul A., Cynwyd, Pa. Collar. 1,515,392; Nov. 11.
 Kellogg, Chester A., and J. L. Schueler, assignors to Keystone Steel & Wire Company, Bartonville, Ill. Apparatus for obtaining improved combustion in furnaces. 1,514,911; Nov. 11.
 Kellogg, Leroy D., assignor to Kellogg Switchboard and Supply Co., Chicago, Ill. Telephone system. 1,515,345; Nov. 11.
 Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)
 Kellogg Switchboard and Supply Co. (See Kellogg, Leroy D., assignor.)
 Kelly, Hugh D., Junction City, La. Saw handle. 1,515,493; Nov. 11.
 Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube repeater circuits. 1,514,705; Nov. 11.
 Kennedy, Frederic T., River Forest, Ill. Preparing iron for malleable castings. 1,514,634; Nov. 11.
 Kennedy, George C., Waterloo, Iowa. Shoe ornament. 1,514,706; Nov. 11.
 Kennedy, John D., Peoria, Ill. Memorial. 1,514,619; Nov. 11.
 Kenner, Kate, New York, N. Y. Fine-tooth comb. 1,515,393; Nov. 11.
 Kerber, Frank J., Chicago, Ill. Bumper bar. 1,515,255; Nov. 11.
 Kerr, Herbert W., Augusta, Kans. Wire-rope-end coupling or socket. 1,515,394; Nov. 11.
 Kesling, Elmer G., Bloomfield, Mo. Ascertaining the acoustic value of light for photographic purposes. 1,514,665; Nov. 11.
 Ketterling, Charles F., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Hydrometer. 1,514,970; Nov. 11.
 Keys, William H., Clayton, assignor of one-half to O. J. Sullivan, University City, Mo. Indicator. 1,515,122; Nov. 11.
 Keystone Steel & Wire Company. (See Kellogg, C. A., and Schueler, assignors.)
 Kilchar, Jacob, Wayland, Iowa. Rat trap. 1,514,770; Nov. 11.
 Kilcher, Jacob, Mount Pleasant, Iowa. Cellar-window ventilator and guard. 1,514,771; Nov. 11.

ALPHABETICAL LIST OF PATENTEES.

Killinger, Raymond H., Portland, Me. Oil cup. 1,514,971; Nov. 11.
 King, George E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,515,215; Nov. 11.
 Klausner, Robert, Dunedin, New Zealand. Cargo hook. 1,514,772; Nov. 11.
 Kirschbraun, Lester, Chicago, Ill. Bituminous emulsion and making same. Re15,944; Nov. 11.
 Kirschmann, Leopold, Hakenase, Germany. Gas burner. 1,514,707; Nov. 11.
 Kise, William K., Wellington, Kans. Oil stove. 1,514,773; Nov. 11.
 Klier, John N., Delphos, Kans. Egg-turning incubator tray. 1,514,856; Nov. 11.
 Klasinger, George B., Aspinwall Borough, Pa. Construction fastener. 1,515,216; Nov. 11.
 Klesock, Alan, Los Angeles, Calif., assignor to C. M. Leob, New York, N. Y. Producing molybdates. 1,514,972; Nov. 11.
 Kleinschmidt Electric Company. (See Heller, Albert H., assignor.)
 Klugh, Bethune G., Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Fixation of phosphoric acid. 1,514,912; Nov. 11.
 Knerr, Horace C. (See Koronski, Andre, assignor.)
 Knox, Walter B., Pittsburgh, Pa. Fountain mop or swab. 1,515,494; Nov. 11.
 Koberger, Ernest H. (See Bevan, Frank L., assignor.)
 Kocourek, Henry, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Animal shears. 1,514,620; Nov. 11.
 Koehler, Walter H., and J. R. Crouch, Somerset, Tex. Oil pump. 1,514,973; Nov. 11.
 Koehring, Philip A. (See Parker, Adelbert F., assignor.)
 Kohlmeier, Henry D., Greenleaf, Kans. Chicken waterer. 1,515,256; Nov. 11.
 Koller, Wilhelm, H. Bauer, and E. Maschmann, Frankfurt-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brünning, Höchst-on-Main, Germany. Preparing mercury salts of complex organic bismuth acids and the products obtainable therefrom. 1,515,495; Nov. 11.
 Kollmorgen, Frederick L. G., Mountain Lakes, N. J., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Stuffing box. 1,514,621; Nov. 11.
 Kollmorgen Optical Corporation. (See Kollmorgen, Frederick L. G., assignor.)
 Kombol, Joseph M., Moran, Iowa. Agricultural implement. 1,515,217; Nov. 11.
 Koronski, Andre, Narberth, assignor of one-half to H. C. Knerr, Philadelphia, Pa. Fastener-setting device. 1,514,913; Nov. 11.
 Krahn, Alvin W., Milwaukee, Wis. Drip pan for wringers. 1,514,622; Nov. 11.
 Krasnow, Harry, Hartford, Conn. Metal building structure. 1,515,257; Nov. 11.
 Kreiskig, Ernst, Uerdlingen, Germany. Spring. 1,515,346; Nov. 11.
 Kropp, John A. (See Lundquist, F. A., and Kropp.)
 Kruse, Herman, Jersey City, N. J., assignor to Peerless Ink Corporation, Inc. 1,515,123; Nov. 11.
 Kucera, Peter, South Connellsville, assignor to Capstan Glass Company, Connellsville, Pa. Device for making glass molds and the like. 1,515,347; Nov. 11.
 Kutscha, Alois. (See Barkmann, H., and Kutscha.)
 Kyle, David W. E. (See Drablie, H., and Kyle.)
 Ladd, Clayton W., Dubuque, Iowa. Shovel. 1,514,974; Nov. 11.
 Laeubli, Ernest, Milwaukee, Wis. Injector for oil engines. 1,515,496; Nov. 11.
 Lafferty, Robert C., New York, N. Y. Statue. Des. 65,971; Nov. 11.
 Lagois, John T., Brooklyn, N. Y. Cover for containers. 1,515,124; Nov. 11.
 La Londe, Joseph, Gilbert, Minn. Cover remover. 1,515,395; Nov. 11.
 Lamar, David H., Hutchinson, W. Va. Reciprocating impact tool. 1,515,497; Nov. 11.
 Lambert, Joseph H., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Combined oil and grease barrel. 1,515,218; Nov. 11.
 Lambert, Joseph H., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Pouring spout. 1,515,219; Nov. 11.
 La Montagne, Patrick P., Bourbonnais, assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Knitting hosiery. 1,514,623; Nov. 11.
 Landstra, Dirk S., South Orange, N. J. Apparatus for molding plastic materials. 1,515,125; Nov. 11.
 Lange, William F. (See Hamer, M. O., Lange, and Graham.)
 Langille, Elijah, Stellarton, Nova Scotia, Canada. Machine for applying and removing drawbars. 1,515,258; Nov. 11.
 Lanham, Ivan E., and O. E. Paris, France. Manufacture of sheets, panels, and other articles in cement and asbestos and articles made thereby. 1,514,660; Nov. 11.
 Lanham, Oscar E. (See Lanham, Ivan E. and O. E.)
 Larnier, Chester W., Philadelphia, Pa. Rate or flow controller. 1,514,975; Nov. 11.
 Lasalle, Inc. (See Richards, Hedley J., assignor.)
 La Scala, Joseph, assignor of one-half to J. Russo, Brooklyn, N. Y. Attachment for printing-press flies. 1,515,498; Nov. 11.
 Laube, John, Morgan, Minn. Railway-crossing signal. 1,514,914; Nov. 11.
 Laughlin, Elmyr A., et al. (See Richards, Brayton G., assignor.)
 Laukhuff, Alfred, Shorewood, assignor to A. O. Trostel, Milwaukee, Wis. Separator. 1,514,915; Nov. 11.
 Lawrence, William, Chicago, Ill. Valve and operating means therefor. 1,514,667; Nov. 11.
 Leatherman, Abraham, assignor of one-half to O. Leatherman, Muskegon Heights, Mich. Scribe gauge. 1,514,916; Nov. 11.
 Leatherman, Orr. (See Leatherman, Abraham, assignor.)
 Lederer, Irving R., assignor to Providence Stock Company, Providence, R. I. Metal fabric. 1,515,056; Nov. 11.
 Lederer, Sigmund, assignor to Providence Stock Company, Providence, R. I. Bead structure. 1,515,499; Nov. 11.
 Ledin, Charles. (See Maxwell, M. C., and Ledin.)
 Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,515,259; Nov. 11.
 Ledyard, Harry A., and J. J. Jelley, Ashland, Ohio. Collapsible mold. 1,515,067; Nov. 11.
 Lee, Charles A., Rochester, assignor of one-half to H. G. Davis, Buffalo, N. Y. Recharging device for magnets. 1,515,500; Nov. 11.
 Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
 Lefevre, Eugene H., assignor to Aven Canning Company, Avon Park, Fla. Process and apparatus for canning citrus fruit. 1,514,774; Nov. 11.
 Lennox, Talbot, Marshalltown, Iowa. Separator for crude oil and gas. 1,515,126; Nov. 11.
 Leob, Carl M. (See Klesock, Alan, assignor.)
 Leon, L. J., Mfg. Co. (See Leon, Lewicki J., assignor.)
 Leon, Lewicki J., assignor to L. J. Leon Mfg. Co., Chicago, Ill. Bird cage. 1,514,624; Nov. 11.
 Leonard, Henry. (See Weinbaum, H., Ferber, and Leonard.)
 Leonard, Stuart, G., Gallon, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Automatic station switching. 1,515,260; Nov. 11.
 Levin, Isaac H., New York, N. Y. Electrode. 1,515,348; Nov. 11.
 Levinthal, Harry S., Melrose Park, Ill. Dispensing device. 1,515,127; Nov. 11.
 Lewis, Phil H., Memphis, Tenn. Ice-cream cabinet. 1,515,501; Nov. 11.
 Lewis, William E., Indianapolis, Ind. Producing an air lining within a nozzle construction. 1,514,976; Nov. 11.
 Libbey Glass Manufacturing Company, The. (See Kadow, August, assignor.)
 Libbey-Owens Sheet Glass Company, The. (See Crowley, Joseph P., assignor.)
 Libbey-Owens Sheet Glass Company, The. (See Ferguson, Enoch T., assignor.)
 Liberman, Abraham, assignor of one-fifth to J. Rosen, Cleveland, Ohio. Stoves. 1,515,502; Nov. 11.
 Lightfoot, John, Manchester, England. Electric heating apparatus. 1,515,261; Nov. 11.
 Linde Air Products Company, The. (See Bucknam, Worthing C., assignor.)
 Lihdhe, Berthil M., Rockford, Ill. Rack. 1,515,058; Nov. 11.
 Littleton, Jesse T., Jr., assignor to Corning Glass Works, Corning, N. Y. Spark plug. 1,514,668; Nov. 11.
 Litwin, Nat., New York, N. Y. Advertising device. 1,514,775; Nov. 11.
 Livingston, Duncan. (See Dallas, W., and Livingston.)
 Lockwood, George D. (See Findlay, G. P., Lockwood, and Soderberg.)
 Loopsinger, Albert J., Edgewood, assignor to General Fire Extinguisher Company, Providence, R. I. Sprinkler head. Re15,941; Nov. 11.
 Lofstrand, Albin P., Buffalo, N. Y. Grain shocker. 1,515,396; Nov. 11.
 Lossius, Dagfinn, Philadelphia, Pa., assignor to Frank Mossberg Company, Attleboro, Mass. Assembling tool. 1,515,349; Nov. 11.
 Lotz, William A., assignor to The T & L Co., Inc., Newark, N. J. Bag-frame hinge. 1,514,917; Nov. 11.
 Lucas, Francis F., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making insulated tubes. 1,514,708; Nov. 11.
 Lucey, Katherine A., Mazomanie, Wis. Brush. 1,515,603; Nov. 11.
 Ludwig, Nicholas H. (See Carter, Willis M., assignor.)
 Luftfabrzeugung Schuette-Lanz. (See Gentzke, Fritz, assignor.)
 Lundgren, Jacob, Philadelphia, Pa., assignor to Carlson-Wenstrom Company, Dynamic and static balancing machine. 1,515,350; Nov. 11.
 Lundquist, Frank A., and J. A. Kropp, Chicago, Ill., assignors, by mesne assignments, to H. S. Conrad, trustee. Line switches and connection therefor. 1,514,625; Nov. 11.
 Lynds, Fred H. (See Soderstrom, O., and Lynds.)
 Lyon, Arthur H., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Milling cutter. 1,514,709; Nov. 11.
 MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Fire bar for electric water heaters. 1,514,857; Nov. 11.

MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Hinged oven burner. 1,514,858; Nov. 11.
 Mackey, Sydney, Zanesville, Ohio. Ware support and process of burning ware. 1,515,063; Nov. 11.
 Maclear, James R., assignor to F. R. Ashley, Denver, Colo. Awning-operating means. 1,515,581; Nov. 11.
 Maddock Pottery Company. (See Ellis, George, assignor.)
 Manly, Ernest P., et al. (See Overman, George W. P., assignor.)
 Magnavox Co., The. (See Schoenfeld, Joseph, assignor.)
 Magnuson, Axel H., assignor to Decoma Leather Specialty Company, Worcester, Mass. Machine for forming washers. 1,515,262; Nov. 11.
 Mail, James D., Durban, Natal, South Africa. Carburetor or vaporizer providing means for easy starting of internal-combustion engines. 1,515,507; Nov. 11.
 Makowski, John P., assignor to California Cedar Products Company, Stockton, Calif. Plaster-board-handling apparatus. 1,515,397; Nov. 11.
 Maline, Mills Company, The. (See Siewers, Walter L., assignor.)
 Mancha Storage Battery Locomotive Company. (See Teipel, Joseph, assignor.)
 Manning, Maxwell & Moore, Inc. (See Miller, Charles, assignor.)
 Manofsky, John. (See Curtis, L. E., and Manofsky.)
 Mantle, Gregory D., assignor to The Colorizing Company, Pittsburgh, Pa. Recuperator. 1,515,352; Nov. 11.
 Marbury, Ralph E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode for electrolytic condensers. 1,515,128; Nov. 11.
 Marcussen, William H., Brooklyn, N. Y. Gauge for measuring cream in milk bottles. 1,515,398; Nov. 11.
 Martin, Ferman P., assignor to Dodge Brothers, Detroit, Mich. Electrically-controlled valve. 1,515,353; Nov. 11.
 Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
 Maschmann, Ernst. (See Kolle, W., Bauer, and Maschmann.)
 Massey-Harris Company. (See Harris, Burton S., assignor.)
 Master Builders Company, The. (See Kaufman, Robert R., assignor.)
 Mathew, Leonard L. L., Glencoe Junction, Natal, South Africa. Platform or skid plate for use with light railways, tramways, and the like. 1,514,669; Nov. 11.
 Mathis, John H., Beverly, Wyoming Township, Mich. Building-block machine. 1,514,980; Nov. 11.
 Matsusaki, Sanjiro, Wood Fibre, Howe Sound, British Columbia, Canada. Hammock. 1,515,263; Nov. 11.
 Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Electric heating device. 1,515,308; Nov. 11.
 Maupin, Graves R., assignor to The Faessler Manufacturing Company, Moberly, Mo. Traveling tube expander. 1,514,712; Nov. 11.
 Mayer, Alvin L., Long Island City, N. Y. Glass-cutting machine. 1,515,129; Nov. 11.
 Maxwell, Maxwell C., and C. Ledin, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,515,264; Nov. 11.
 McArthur, Finley, Cedar Rapids, Iowa. Passenger elevator. 1,515,059; Nov. 11.
 McCargar, Joseph R., Grand Rapids, Mich. Chair. Des. 65,972; Nov. 11.
 McDaniel, James H., Washington Court House, Ohio. Treating wood. 1,515,504; Nov. 11.
 McDonnell, Ben J. (See Peters, John J., assignor.)
 McElroy, Karl P., assignor of one-half to A. M. Houghton, Washington, D. C. and one-half to R. Franchot, Niagara Falls, N. Y. Making motor fuel. 1,514,977; Nov. 11.
 McFadden, James B., assignor to The Sharples Separator Co., West Chester, Pa. Spindle coupling for centrifugal separators. 1,515,060; Nov. 11.
 McGeorge, Herbert. (See Tyler, R. S., and McGeorge.)
 McGowan, William R., Pittsburgh, Pa. Automobile side bumper. 1,515,307; Nov. 11.
 McIntosh, Emanuel, Ann Arbor, Mich. Internal-combustion engine. 1,514,710; Nov. 11.
 McJohn, Raymond J., Chicago, Ill. Ironing board. 1,515,505; Nov. 11.
 McKamey, Clifton E., Davenport, Iowa. Automobile direction indicator. 1,514,711; Nov. 11.
 McKay, Robert J., et al. (See Elzey, Edgar P., assignor.)
 McKay, Thomas J., et al. (See Elzey, Edgar P., assignor.)
 McKimley, Edwin W., New York, N. Y. Electric signal. 1,515,001; Nov. 11.
 McKintzie, Joseph A., Kimball, Minn. Haystacker. 1,515,351; Nov. 11.
 McLaughlin, Francis, Wellington, New Zealand. Re-siliently mounting vehicle bodies, seats, and the like. 1,514,026; Nov. 11.
 McLean, George H., Tampico, Mexico. Well stopper. 1,514,978; Nov. 11.
 McMillan, Uel S., San Francisco, Calif. Article of manufacture and the production thereof. 1,515,062; Nov. 11.
 McMillin, Thomas F., Streator, Ill. Liquid filter. 1,514,979; Nov. 11.

McMullen, John, Buffalo, N. Y., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Freight-car-roof bracketing. 1,514,627; Nov. 11.
 McNall, William S., Salina, Kans. Excavating device. 1,515,506; Nov. 11.
 Meagher, Francis J., New York, N. Y. Door controller. 1,515,155; Nov. 11.
 Medick, Frank C., Columbus, Ohio. Mounting. 1,515,508; Nov. 11.
 Meissner Manufacturing Company. (See Meissner, William O., assignor.)
 Meissner, William O., assignor to Meissner Manufacturing Company, Chicago, Ill. Wire-winding machine. 1,515,309; Nov. 11.
 Melchior, August E., assignor of one-half to J. G. Jones, Oakdale, La. Battery. 1,514,670; Nov. 11.
 Menard, Simeon, Fallon, Nev. Silt hanger. 1,515,509; Nov. 11.
 Mengel Company, The. (See Moore, John A., assignor.)
 Menke, Paul O., Sharon, Pa. Blast furnace. 1,514,776; Nov. 11.
 Menz, Ferdinand E., assignor to Toledo Scale Company, Toledo, Ohio. Casting machine. 1,514,859; Nov. 11.
 Merriam, Melvil H., Butte, Mont. Automobile attachment. 1,514,777; Nov. 11.
 Merville, Blaise F. E., Levallois-Perret, France. Mounting of motor-car bodies on their chassis. 1,514,981; Nov. 11.
 Meurer Steel Barrel Company. (See Reynolds, Henry S., assignor.)
 Meyers, J. A., & Co. (See Meyers, Joseph A., assignor.)
 Meyers, John M., Janesville, Wis. Agricultural implement. 1,514,982; Nov. 11.
 Meyers, Joseph A., assignor to J. A. Meyers & Co., Inc., Los Angeles, Calif. Badge or article of similar nature. Des. 65,973; Nov. 11.
 Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile lamp. 1,515,156; Nov. 11.
 Michigan Stove Company, The. (See Maul, Henry C., assignor.)
 Mikulski, Stanislaw, Indianapolis, Pa. Coal drill. 1,515,157; Nov. 11.
 Miles, Carroll C., South Lancaster, Mass. Pasting machine. 1,515,265; Nov. 11.
 Millard, John W., Upper Darby, Pa. Vehicle brake mechanism. 1,515,310; Nov. 11.
 Miller, Charles, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Electric furnace. 1,514,918; Nov. 11.
 Miller, George W., Waynesville, N. C. Burner. 1,515,510; Nov. 11.
 Miller, John H., Lindsay, Okla. Engine-oiling device. 1,515,064; Nov. 11.
 Miller, Lindsay H., Chicago, Ill. Electrical system. 1,515,354; Nov. 11.
 Miller, Louis C., Verona, N. J. Insect catcher. 1,515,158; Nov. 11.
 Miller Rubber Company, The. (See Shaw, Gwilym, assignor.)
 Millie Patent Holding Co. (See Tamassy, Jay, assignor.)
 Miliken, Garland E., Dover, Tenn. Submarine telescope. 1,515,065; Nov. 11.
 Millsap, David L., Powersville, Mo. Harness. 1,514,919; Nov. 11.
 Millsap, John C. (See Woodward, E. W., and Millsap.)
 Milmore, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Wrapping machine. 1,515,311; Nov. 11.
 Milner, Edwin E., Scott Township, Allegheny County, assignor to H. L. Dixon Company, Carnegie, Pa. Electrically-heated furnace or leer. 1,515,511; Nov. 11.
 Minnett, Wilfrid T. (See Gouldboorn, J., and Minnett.)
 Mitchell Engineering Company, The. (See Mitchell, Raymond C., assignor.)
 Mitchell, Harbour, assignor to American Foundry & Construction Company, Pittsburgh, Pa. Welded pipe-line joint and making the same. 1,515,355; Nov. 11.
 Mitchell, John L., New York, N. Y. Color harmony chart. 1,515,512; Nov. 11.
 Mitchell, Raymond C., assignor to The Mitchell Engineering Company, Springfield, Ohio. Mounting for shaft bearings. 1,515,206; Nov. 11.
 Miyasaki, Tsuta, Los Angeles, Calif. Blotter-holding device. 1,514,920; Nov. 11.
 Molnar, Michael, Cleveland, Ohio. Bean-shelling device. 1,514,778; Nov. 11.
 Moomy, Harry E., et al. (See Moomy, Joseph G. and J. H., assignors.)
 Moomy, Joseph G. and J. H., assignors of one-third to H. E. Moomy, one-third to M. H. Moomy, Erie, Pa., and one-third to said J. H. Moomy. Apparatus for and method of mixing plastic materials. 1,514,671; Nov. 11.
 Moomy, Joseph H. (See Moomy, Joseph G. and J. H.)
 Moomy, Mary H., et al. (See Moomy, Joseph G. and J. H., assignors.)
 Monitor Controller Company. (See Whittingham, George H., assignor.)
 Monnich, Henry, Detroit, Mich. Hoisting clamp. 1,514,983; Nov. 11.
 Montgomery, John. (See Dover, George W., assignor.)
 Mon, Alfred E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Corner bumper. 1,515,356; Nov. 11.

Moore, D., Company. (See MacInnes, Robert H., assignor.)
 Moore, James C., Oakland, Calif. Valve lifter. 1,515,267; Nov. 11.
 Moore, John A., assignor to The Mengel Company, Louisville, Ky. Knockdown crate. 1,514,984; Nov. 11.
 Moreton, Everett D., assignor to I. Frank, Baltimore, Md. Combined parking and stop lamp. 1,514,921; Nov. 11.
 Morgan, John D., Summit, N. J., assignor to Goss Printing Press Company. Machine for making stereotype plates. 1,514,779; Nov. 11.
 Moriarty, Herbert B., Memphis, Tenn. Combination salt and pepper shaker. 1,515,513; Nov. 11.
 Morin, Louis H., New York, assignor to Soss Manufacturing Co., Brooklyn, N. Y. Window-operating device. 1,515,312; Nov. 11.
 Morrison, David G., assignor to Youngstown Pressed Steel Company, Warren, Ohio. Studding. 1,515,159; Nov. 11.
 Morrison, Edwin, assignor to The Great Western Sugar Company, Denver, Colo. Filter. 1,515,130; Nov. 11.
 Morrow, George W., assignor to Cloverleaf Propeller Company, San Francisco, Calif. Propeller. 1,515,268; Nov. 11.
 Morse, Clyde S., De Kalb, assignor of one-half to E. L. Hardy, Waterman, Ill. Demountable rim. 1,515,160; Nov. 11.
 Morse Dry Dock & Repair Co. (See Strachan, C., and Irish, assignors.)
 Morton, Walter S., assignor to Cheshire Kitchens, Inc., New York, N. Y. Food product and making the same. 1,514,780; Nov. 11.
 Mossberg, Frank, Company. (See Lossius, Dagfinn, assignor.)
 Mueller, Charles W., St. Louis, Mo., assignor, by mesne assignments, to Arbetter Felling Machine Company. Blindstitch sewing machine. 1,514,713; Nov. 11.
 Mueller, Frederick E., Mount Vernon, assignor to Norman-Hoffman Bearings Corporation, Long Island City, N. Y. Spindle. 1,515,161; Nov. 11.
 Murabito, Sebastiano, Methuen, Mass. Fiber-separating machine. 1,515,440; Nov. 11.
 Murray, Thomas E., Jr. (See Murray, Thomas E. and T. E., Jr.)
 Murray, Thomas E., and T. E. Murray, Jr., New York, N. Y. Shaft. 1,515,162; Nov. 11.
 Muse, John B., Cameron, N. C. Fastening device. 1,514,781; Nov. 11.
 Myers, Hubert A., Company, The. (See Myers, Hubert A., assignor.)
 Myers, Hubert A., assignor to The Hubert A. Myers Company, Toledo, Ohio. Casting metal. 1,515,163; Nov. 11.
 Myers, Philip, Glenview, assignor to The Toy Tinklers, Inc., Evanston, Ill. Wheeled toy. Des. 65,974; Nov. 11.
 Myers, Wilson R., assignor of one-third to G. W. Burt and one-third to G. W. Weatherly, Portland, Oreg. Positioning materials. 1,514,985; Nov. 11.
 Niggello, Ernst, Basel, Switzerland. Holding apparatus for the wet treatment of fabric in web form. 1,515,514; Nov. 11.
 National Autoparts Corporation. (See Bachman, Otto B., assignor.)
 National Blank Book Company. (See Schade, John, assignor.)
 National Electric Heating Company, The. (See Pritzker, Asher, assignor.)
 National Pneumatic Company. (See Rowntree, Harold, assignor.)
 Needham, Edward F. and T. H., Houston, assignors of one-half to D. Hall, Harris County, Tex. Concrete construction. 1,514,714; Nov. 11.
 Needham, Thomas H. (See Needham, Edward F. and T. H.)
 Nemeth, Joseph, New Brunswick, N. J. Dirigible headlight for automobiles. 1,515,399; Nov. 11.
 Neracher, William A., et al. (See Ahim, C. E. F., and Hall, assignors.)
 Neracher, Wm. A., et al. (See Ahim, Charles E. F., assignor.)
 Nevius, George H., Shrewsbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Jewel box. Des. 65,975; Nov. 11.
 Newcombe, Leslie L. (See Stringer, G. J., and Newcombe.)
 Niebaum, William. (See Dessery, F. J., and Niebaum.)
 Nielsen, Laurits H., Kolding, Denmark, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mechanism for making rotary brushes. 1,514,715; Nov. 11.
 Nissen, Hans G., Berlin-Steglitz, Germany. Operating gas-steam turbines. 1,514,986; Nov. 11.
 Noble, Edward I. (See Shee, Parke E., assignor.)
 Nobles, Glendon L. and W. F., Lone Grove, Tex. Plow attachment. 1,514,782; Nov. 11.
 Nobles, William F. (See Nobles, Glendon L. and W. F.)
 Nolde and Horst Company, The. (See Herbine, Effinger G., assignor.)
 Norman-Hoffman Bearings Corporation. (See Mueller, Frederick E., assignor.)
 Normandy, Charles R., assignor to Clogard Wardrobe Company, Inc., Washington, D. C. Garment hanger. 1,514,987; Nov. 11.
 Norris, Almon E., Brookline, Mass. Brake. 1,515,400; Nov. 11.

Norris, Almon E., Brookline, Mass. Clutch. 1,515,401; Nov. 11.
 Norris, Almon E., Brookline, Mass. Friction clutch. 1,515,402; Nov. 11.
 North, Samuel N., Toledo, Ohio. Piston and piston ring. 1,514,783; Nov. 11.
 Northern Engineering Works. (See Robertson, William, assignor.)
 Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle-feeler thread cutter. 1,515,515; Nov. 11.
 Norwood, Harry E., assignor to Perfect Window Regulator Company, New York, N. Y. Rotatable handle construction. 1,515,164; Nov. 11.
 Ochs, Clarence, Long Beach, Calif. Pressure gun for fishing tools. 1,515,066; Nov. 11.
 Odell, William W. (See Brown, R. L., and Odell.)
 Offield, James R., trustee. (See Ruby, George H. A., assignor.)
 Ohlsen, Arnold J., Cleveland, Ohio. Device for teaching piano playing. 1,515,403; Nov. 11.
 Ohn, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Holder for globes. 1,514,784; Nov. 11.
 Oldach, William H., Panama, Panama. Precision inter-pupillary and bridge measure. 1,515,516; Nov. 11.
 O'Leary, Marguerite V. (See O'Leary, William J., assignor.)
 O'Leary, William J., assignor to M. V. O'Leary, Montreal, Quebec, Canada. Safety clutch for prime movers or the like. 1,514,716; Nov. 11.
 Olivero, Luigi, Genoa, Italy. Device for locks. 1,514,922; Nov. 11.
 Olsen, James C., Jr., North Aurora, Ill. Gas range. 1,515,067; Nov. 11.
 Olsson, Zacharias, assignor, by mesne assignments, to Burgoyne Light & Signal Corporation, New York, N. Y. Signal lamp. 1,514,717; Nov. 11.
 O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,514,718; Nov. 11.
 Oppenheimer, Morton A., Philadelphia, Pa. Hair net. 1,515,357; Nov. 11.
 Ordnung, Henry H., Laporte, Ind. Jar. 1,514,988; Nov. 11.
 Osborn Manufacturing Company, The. (See Nielsen, Laurits H., assignor.)
 Osswald, Herman, Richmond Hill, N. Y. Cap-making machine. 1,515,404; Nov. 11.
 Oswald, Earl P., Detroit, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Refrigerating apparatus. 1,515,165; Nov. 11.
 Otis Elevator Company. (See Julien, Napoleon P., assignor.)
 Ott, Harry G. W., deceased, Philadelphia, Pa.; M. Ott, administratrix, C. T. A. Brace. 1,515,131; Nov. 11.
 Ott, Martha, administratrix, C. T. A. (See Ott, Harry G. W.)
 Oven Equipment & Mfg. Co., The. (See Crawford, Emerick B., assignor.)
 Overman, George W. F., Norfolk, assignor of one-third to E. P. Manly, Portsmouth, and one-third to G. F. Dougherty, Norfolk, Va. Lifeboat-releasing device. 1,515,517; Nov. 11.
 Owen, William H., Wimbledon, London, England. Arrangement for supplying heated air to furnaces. 1,514,785; Nov. 11.
 Owens, Fred, Mount Vernon, Ky. Automobile license holder. 1,515,518; Nov. 11.
 Packard, John C., Denver, Colo., assignor to The Rotary Pump Company. Rotary pump. 1,515,269; Nov. 11.
 Packard Motor Car Company. (See Griswold, Walter R., assignor.)
 Pagac, Paul, assignor to R. H. Parry, Chicago, Ill. Attachment for sewing machines. 1,515,519; Nov. 11.
 Page, Luther T., Wareham, Mass. Shaping rolls for horseshoe bars. 1,515,358; Nov. 11.
 Page Steel and Wire Company. (See Snedeker, James W., assignor.)
 Page, William J. H., Richmond, Va. Advertising device. 1,514,989; Nov. 11.
 Palm, Victor H., assignor to Butler Engine and Foundry Co., Butler, Pa. Reverse clutch mechanism. 1,515,068; Nov. 11.
 Pardee, Harvey S., Chicago, Ill. Electrical system. 1,515,166; Nov. 11.
 Park, Jefferson D., assignor of one-half to G. R. Daugherty, Sherman, Tex. Garment hanger. 1,515,520; Nov. 11.
 Parker, Adelbert F., deceased, Ogden, Utah, assignor of one-half to P. A. Koehring, Milwaukee, Wis.; W. M. Parker, administrator. Machine for building concrete roads. 1,514,923; Nov. 11.
 Parker, George F., Macon, Ga. Awning structure. 1,515,270; Nov. 11.
 Parker, Wynne M., administrator. (See Parker, Adelbert F.)
 Parks, Dennis, St. Louis, Mo. Machine for use in making laminated products. 1,514,719; Nov. 11.
 Parry, Robert H. (See Pagac, Paul, assignor.)
 Parthe Chemical Company. (See Turner, Samuel A., assignor.)
 Pauly, Howard C., Montclair, N. J. Bicycle. 1,514,720; Nov. 11.

Pawling & Harnischfeger Company. (See Henricks, Arthur G., assignor.)
 Pearce, George G., New Bedford, Mass. Accelerator mechanism. 1,514,860; Nov. 11.
 Peck, Stow & Wilcox Company, The. (See Prentice, Thomas, assignor.)
 Peerless Ink Corporation. (See Kruse, Herman, assignor.)
 Pejchar, Josef, Brooklyn, N. Y. Brooch or the like. 1,515,313; Nov. 11.
 Penn, Oscar S., assignor to Roadless Traction, Limited, London, England. Endless-track vehicle. 1,515,167; Nov. 11.
 Pontecost, Arthur, New York, N. Y., assignor to Wales Adding Machine Company, Wilkes-Barre, Pa. Eliminating mechanism for calculating machines. 1,514,721; Nov. 11.
 Perfect Window Regulator Company. (See Norwood, Harry E., assignor.)
 Perkins, Seth E., Waterloo, Iowa. Collapsible supporting device. 1,514,722; Nov. 11.
 Petersen, Svend, Detroit, Mich. Toy. 1,515,314; Nov. 11.
 Peters, John J., Oelwein, assignor of one-third to B. J. McDonnell, Waterloo, Iowa. Vacuum cleaner. 1,514,723; Nov. 11.
 Peterson, August, Triumph, Minn. Combined sled and box. 1,515,405; Nov. 11.
 Peterson, John J., Steubenville, Ohio. Window-polishing machine. 1,515,406; Nov. 11.
 Peterson, Richard W., Ceresco, Nebr. Portable auger for postholes. 1,515,441; Nov. 11.
 Pfeiffer, George J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin stripper. 1,514,924; Nov. 11.
 Pfeiffer, George J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby hook. 1,514,925; Nov. 11.
 Phillips, Charles C., assignor of one-half to A. Unger-buehler, Cincinnati, Ohio. Timer. 1,515,069; Nov. 11.
 Plerson, Walter B., section 5-6, township 8, range 13, Ill. Dishwashing machine. 1,515,407; Nov. 11.
 Pitney, Arthur H., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn. Job-printing attachment for postage-meter machines. 1,515,359; Nov. 11.
 Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
 Plittman, Reinhardt W., New York, N. Y. Fire extinguisher. 1,514,724; Nov. 11.
 Platt, Louis, Elmwood, Conn. Arch support. 1,515,271; Nov. 11.
 Plunkett, William H., Chicago, Ill. Dust mop. 1,514,990; Nov. 11.
 Podratz, Rennald A., assignor of one-fourth to F. L. Hughes, Harold, S. Dak. Door-closing device. 1,514,789; Nov. 11.
 Pokorney, Henry, Rome, N. Y. Fuel valve for internal-combustion engines. 1,515,168; Nov. 11.
 Pollack, Daniel. (See Kasdan, N., and Pollack.)
 Pooley, Arthur M., Bedford, England. Portable rotary tool. 1,515,169; Nov. 11.
 Pope Machine Company. (See La Montagne, Patrick P., assignor.)
 Popper, Isaac C., assignor to The Theroz Company, New York, N. Y. Railway-switch heater. Re15,943; Nov. 11.
 Potts, Joshua R. H., et al. (See Richards, Brayton G., assignor.)
 Powell, Winfred T., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,514,725; Nov. 11.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone repeater system. 1,515,360; Nov. 11.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,515,361; Nov. 11.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,515,362; Nov. 11.
 Powers, Frank T., Douglaston, N. Y. Apparatus for drying plates of various sorts. 1,514,926; Nov. 11.
 Powers, John T., assignor to Denver Sash Lock Company, Denver, Colo. Window-sash lock. 1,514,927; Nov. 11.
 Pratt, Lucius S., and O. A. Wallace, Wilmington, N. C. Freight-car door. 1,515,521; Nov. 11.
 Prentice, George E., New Britain, Conn., assignor to J. M. Van Heusen, Boston, Mass. Garter. 1,514,726; Nov. 11.
 Prentiss, Thomas, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Chuck for bit braces. 1,515,272; Nov. 11.
 Prentiss, John W. (See Fannen, Patrick L., assignor.)
 Price, Frederick, Scranton, Pa. Towel ring. 1,515,273; Nov. 11.
 Priebebach, Leon J., Brookhaven, Miss. Plow. 1,515,274; Nov. 11.
 Pringle, Mary J., St. Paul, Minn. Window washer and cleaner. 1,515,275; Nov. 11.
 Pritzker, Asher, assignor to The National Electric Heating Company, Limited, Toronto, Ontario, Canada. Electric heat-generating appliance. 1,514,628; Nov. 11.
 Protz, William C., Manitowoc, Wis. Tinsel ornament and manufacture therefor. 1,514,787; Nov. 11.
 Protz, William C., Manitowoc, Wis. Tinsel ornament. 1,514,788; Nov. 11.
 Providence Stock Company. (See Harrison, George D., assignor.)
 Providence Stock Company. (See Lederer, Irving R., assignor.)
 Providence Stock Company. (See Lederer, Sigmund, assignor.)
 Puffer, Edmund W., Waukesha, Wis. Fuel and air mixer. 1,515,408; Nov. 11.
 Quinn, Edward J., Roanoke, Va. Film-winding attachment for cameras. 1,514,789; Nov. 11.
 R & S Non-Deflecting Valve Company, The. (See Richardson, Edward E., assignor.)
 Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Terminal connection for spark-plug electrodes. 1,514,928; Nov. 11.
 Radovanovitch, Konstantin P., New York, N. Y. Auto-vehicle. 1,515,363; Nov. 11.
 Range, James R., Rapid City, S. Dak. Clamp for holding nipples upon nursing bottles. 1,514,790; Nov. 11.
 Rankin, Mary A., administratrix. (See Rankin, Oren A.)
 Rankin, Oren A., deceased; M. A. Rankin, administratrix, Cynthia, Ky. Shelf-supporting bracket. 1,515,442; Nov. 11.
 Rapid Addressing Machine Company. (See Geiger, E. A., and Jennings, assignors.)
 Ray, Charles L., Dallas, Tex. Machine for gathering multiple sheets. 1,514,929; Nov. 11.
 Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,514,629; Nov. 11.
 Raynsford, Arthur, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,514,861; Nov. 11.
 Reamer, Jay C., Santa Monica, Calif. Combined rail joint and seat. 1,515,409; Nov. 11.
 Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Ironing machine. 1,514,727; Nov. 11.
 Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Reversing mechanism. 1,514,728; Nov. 11.
 Redlino, Roy A., Sidney, Ohio. Washing machine. 1,514,791; Nov. 11.
 Redinger, Joseph M., Providence, R. I. Intermittently-revolving display stand. 1,515,443; Nov. 11.
 Redington, F. B., Company. (See Milroe, Michael J., assignor.)
 Reece, Eva M. (See Reece, Robert W., assignor.)
 Reece, Robert W., assignor to E. M. Reece, Pontiac, Mich. Card game. 1,515,170; Nov. 11.
 Rees, William H., Los Angeles, Calif. Inking device for printing machines. 1,514,991; Nov. 11.
 Reiber, Albert H., Bronx, assignor to Kleinschmidt Electric Company, Inc., Long-Island City, N. Y. Selector. 1,514,792; Nov. 11.
 Reilly, Patrick M., South Chicago, Ill. Core barrel. 1,515,171; Nov. 11.
 Reinhard, Frank A. (See Driscoll, A. J., and Reinhard.)
 Renner, Joseph, Lagro, Ind. Chimney cleaner. 1,515,410; Nov. 11.
 Revam, David, Hollyoak, Del. Lamp shade. 1,514,729; Nov. 11.
 Reynolds, Henry S., Brooklyn, assignor to Meurer Steel Barrel Company, Inc., New York, N. Y. Construction of metallic containers. 1,514,930; Nov. 11.
 Rice, Daniel E., Duke, Okla. Weeder. 1,515,411; Nov. 11.
 Rich, George R., assignor to Rich Steel Products Company, Battle Creek, Mich. Tappet. 1,515,276; Nov. 11.
 Rich Steel Products Company. (See Rich, George R., assignor.)
 Richards, Brayton G., assignor of one-half to E. A. Laughlin and one-half to J. R. H. Potts, Chicago, Ill. Car mounting. 1,514,672; Nov. 11.
 Richards, Hedley J., assignor to Lasalco, Inc., St. Louis, Mo. Electroplating machine. 1,514,793; Nov. 11.
 Richardson, Chauncey E., Washington, D. C. Valve adjuster. 1,514,730; Nov. 11.
 Richardson, Edward E., Maumee, assignor to The R & S Non-Deflecting Valve Company, Elyria, Ohio. Engine valve. 1,514,630; Nov. 11.
 Ridings, John H., Coal City, Ill. Door lock. 1,515,220; Nov. 11.
 Rippey, Lloyd G. (See Solosabal, A., and Rippey.)
 Rippey, Lloyd G. (See Solosabal, A., Rippey, and Thurber.)
 Ritter, Nathan, Brooklyn, N. Y. Quick-release fastener. 1,515,412; Nov. 11.
 Roadless Traction, Limited. (See Penn, Oscar S., assignor.)
 Roark, Ruric C., Baltimore, Md. Deodorant and insecticide. 1,515,364; Nov. 11.
 Robert & Mander Store Company. (See Roberts, C. V., and Farnsworth, assignors.)
 Roberts, Alfred E., Cornwells Heights, Pa., assignor to The Barrett Company, Producing resin. 1,515,315; Nov. 11.
 Roberts, Clarence V., Philadelphia, and K. C. Farnsworth, Glenside, assignors to Robert & Mander Store Company, Philadelphia, Pa. Oven-door hinge. 1,515,413; Nov. 11.

Roberts, Lynn T. (See Roberts, William W. and L. T.)
 Roberts, William W., and L. T. Roberts, Shelbyville, Ky. Electric lamp. 1,515,221; Nov. 11.
 Robertson, William, assignor to Northern Engineering Works, Detroit, Mich. Crane. 1,514,931; Nov. 11.
 Robinson, Holton D., and D. B. Steidman, New York, N. Y. Suspension bridge. 1,514,932; Nov. 11.
 Rockhill, Benjamin F., Columbus, N. J. Valve mechanism. 1,515,414; Nov. 11.
 Roddy, Gustav R., assignor to Chain Belt Company, Milwaukee, Wis. Flume screen. 1,514,673; Nov. 11.
 Roneo Limited. (See Barman, Louis M., assignor.)
 Rouk, Paul, Ladoga, Ind. Endless rope belt and making the same. 1,515,365; Nov. 11.
 Rouning, Victor C., New York, N. Y., assignor to American Etching Machine Corporation. Etching apparatus. 1,514,794; Nov. 11.
 Ronningen, Otto L., Madison, Minn. Breech protector for firearms. 1,515,415; Nov. 11.
 Ronstrom, Thomas A., Chicago, Ill. Gas burner. 1,515,172; Nov. 11.
 Root, Frederick J., Cleveland, Ohio. Paper box. 1,515,277; Nov. 11.
 Rosen, Jake. (See Liberman, Abraham, assignor.)
 Rosenbaum, Rudolph R., Chicago, Ill. Parting and core compound. 1,514,731; Nov. 11.
 Rosenberg, Frank J., Venice, Calif. Advertising device. 1,515,070; Nov. 11.
 Rosner, Adolph, assignor to American Bosch Magneto Corporation, Springfield, Mass. Interrupter mechanism for ignition systems. 1,515,366; Nov. 11.
 Rotary Pump Company, The. (See Packard, John C., assignor.)
 Roth, Edward B., assignor to Simplex Steering Gear Co., St. Louis, Mo. Steering device. 1,515,416; Nov. 11.
 Rothbauer, Louis J., Chicago, Ill. Combination saw. 1,515,071; Nov. 11.
 Rother, Paul B. (See Grau, G., and Rother.)
 Roucka, Erich, Blansk, Czechoslovakia. Automatic regulator. 1,515,173; Nov. 11.
 Rowart, Eugene, Avelsels, Belgium. Manufacture of glass in continuous sheets. 1,515,174; Nov. 11.
 Rowntree, Harold, assignor to National Pneumatic Company, New York, N. Y. Door-operating mechanism. 1,515,175; Nov. 11.
 Roys, Willis E., Brooklyn, N. Y. Automatic heat controller for radiators. 1,514,933; Nov. 11.
 Ruben, Samuel, New York, N. Y. Temperature indicator for internal-combustion engines. 1,515,222; Nov. 11.
 Ruy, George H. A., Fort Dodge, Iowa, assignor to J. R. Olfeld, trustee, Chicago, Ill. Plaster-block-scarring device. 1,514,631; Nov. 11.
 Ruby, George H. A., Fort Dodge, Iowa, assignor to J. R. Olfeld, trustee, Chicago, Ill. Roughing device for plaster blocks. 1,514,632; Nov. 11.
 Ruddy, Patrick J., Centralia, Pa. Electromagnetic signaling apparatus. 1,514,732; Nov. 11.
 Ruff, George O., Paris, Ill. Thermal circuit closer. 1,515,072; Nov. 11.
 Rumpler, Edmund, Goggingen, Germany. Rear-axle drive for motor vehicles. 1,514,862; Nov. 11.
 Russell & Stoll Company. (See Glasgow, Ernest M., assignor.)
 Russell, Robert H., Worland, Wyo. Framing bevel. 1,515,522; Nov. 11.
 Ruwe, James. (See La Scala, Joseph, assignor.)
 Ryan, Michael E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,515,278; Nov. 11.
 Ryan, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,514,934; Nov. 11.
 Rytell, John J., Glens Falls, N. Y. Weed puller. 1,514,863; Nov. 11.
 Sacks, Solomon D., New York, N. Y. Automatic electric cigar lighter. 1,515,176; Nov. 11.
 Samples, Elvira B. (See Eastin, Rollie R., assignor.)
 St. Pierre Chain Corporation. (See St. Pierre, Henry, assignor.)
 St. Pierre, Henry, assignor to St. Pierre Chain Corporation, Worcester, Mass. Equalizing link for antiskid chains. 1,515,285; Nov. 11.
 Sanceetta, Nella R., Brooklyn, Ohio. Braasiere. 1,515,223; Nov. 11.
 Sands, George H., Los Angeles, Calif. Grease cup. 1,514,674; Nov. 11.
 Sans, Adolph H., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Condenser. 1,514,733; Nov. 11.
 Sasse, Wilhelm. (See Cerotky, Rudolf, assignor.)
 Sato, Junjro, Detroit, Mich. Storage battery. 1,515,279; Nov. 11.
 Saunders, Cyril S., and W. P. Crauford-Lindsay, Arrah, British India. Charge-mixing device for internal-combustion engines. 1,515,280; Nov. 11.
 Savard, Arthur, Omaha, Nebr. Sink trap. 1,515,073; Nov. 11.
 Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Tubular check piece for loose-leaf ledgers. 1,514,734; Nov. 11.
 Schergens, Charles, St. Louis, Mo. Wheel rim. 1,515,417; Nov. 11.
 Schermerhorn, Joseph A., assignor to E. H. Freeman Electric Company, Trenton, N. J. Lightning arrester. 1,515,074; Nov. 11.
 Schermuly, Joseph, Wichita, Kans. Oil burner. 1,514,675; Nov. 11.
 Scheibe, Richard, Klotzsche, Germany. Railway superstructure. 1,515,367; Nov. 11.
 Schlecht, Robert H. E. (See Gury, J. B., jr., and Schlecht.)
 Schleich Studios, Inc. (See Schleich, William F., assignor.)
 Schleich, William F., assignor to Schleich Studios, Inc., New York, N. Y. Bird cage. Des. 65,970; Nov. 11.
 Schmid, Carlos A., New Orleans, La. Auxiliary fuel supply for gas engines. 1,514,676; Nov. 11.
 Schmidt, Albert H., Detroit, Mich. Apparatus for drying skins. 1,514,935; Nov. 11.
 Schmidt, Herman H., Maywood, Ill., assignor to American Can Company, New York, N. Y. Blank-feeding mechanism. 1,514,633; Nov. 11.
 Schmitz, Fred A., assignor to The General Fireproofing Company, Youngstown, Ohio. Cabinet-joining construction. 1,514,992; Nov. 11.
 Schmitz, Fred A., assignor to The General Fireproofing Company, Youngstown, Ohio. Metallic wastebasket. 1,514,993; Nov. 11.
 Schoenfeld, Joseph, Alameda, assignor to The Magnavox Co., Oakland, Calif. Electric heater. Des. 65,977; Nov. 11.
 Schoenfeld, Joseph, Alameda, assignor to The Magnavox Co., Oakland, Calif. Electric-heater stand. Des. 65,978; Nov. 11.
 Schoenfeld, Joseph, Alameda, assignor to The Magnavox Co., Oakland, Calif. Casing for electric heaters. Des. 65,979; Nov. 11.
 Schoenleber, John G. (See Bell, T. H., and Schoenleber.)
 Schott, Frederick W., Lolo Hot Springs, Mont. Animal trap. 1,514,994; Nov. 11.
 Schuder, Julian L. (See Kellogg, C. A., and Schuder.)
 Schultz, H., & Company. (See Cheney, Coleman D., assignor.)
 Schulz, Paul A., assignor to Bethlehem Steel Company, Bethlehem, Pa. Rolling shapes. 1,515,075; Nov. 11.
 Schurch, Jacob, assignor of one-half to W. H. Heise, Los Angeles, Calif. Electrically-driven wheel for motor vehicles. 1,515,076; Nov. 11.
 Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-grinding apparatus. 1,515,281; Nov. 11.
 Scott, Alexander A., Knoxville, Tenn., assignor to Baltimore Trust Company, trustee. Partition car for handling articles. 1,515,582; Nov. 11.
 Scott Ullman Company, The. (See Johns, William L., assignor.)
 Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing harmonics of alternating currents. 1,514,735; Nov. 11.
 Seelig, Albert F. H., St. Louis, Mo. Enameling furnace. 1,515,368; Nov. 11.
 Seely, Thomas H., Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 1,514,634; Nov. 11.
 Seelye, James T., and L. R. Jackson, Pueblo, Colo. Vulcanizer. 1,515,177; Nov. 11.
 Selfert, Frank A., St. Louis, Mo. Curing concrete. 1,514,936; Nov. 11.
 Selby, Bert, Indianapolis, Ind. Applying paste or the like to paper. Re15,945; Nov. 11.
 Sellers, John M., Downers Grove, assignor to Sellers Manufacturing Company, Chicago, Ill. Charging apparatus. 1,515,178; Nov. 11.
 Sellers Manufacturing Company. (See Sellers, John M., assignor.)
 Seltzer, Ira R., Waterbury, assignor to The Gordon Electric Mfg. Co., Waterville, Conn. Electric switch. 1,515,224; Nov. 11.
 Semet-Solvay Company. (See Becker, Julius, assignor.)
 Sepulveda, Adolfo, Los Angeles, Calif. Grindstone-truing device. 1,515,225; Nov. 11.
 Sevlson, Harrie D., Auburn, Ind. Electrical timing and circuit-closing device. 1,515,369; Nov. 11.
 Seyffert, Eugen, Berlin, Germany. Manufacture of copying rolls for photomechanical transfers. 1,514,677; Nov. 11.
 Seymour, Benjamin F., Washington, D. C. Flexible transmission. 1,514,795; Nov. 11.
 Seymour, Benjamin F., Indianapolis, Ind. Combined suspension shock absorber and snubber. 1,514,796; Nov. 11.
 Shahid, Nackley S., Birmingham, Ala. Undergarment. 1,514,678; Nov. 11.
 Shallenberg, Walter A., Salem, Ohio. Self-lubricating piston. 1,515,077; Nov. 11.
 Sharples Separator Co., The. (See McFadden, James B., assignor.)
 Shaw, George S., Vancouver, British Columbia, Canada. Clothespin. 1,514,797; Nov. 11.
 Shaw, Gwilym, assignor to The Miller Rubber Company, Akron, Ohio. Doll. Des. 65,980; Nov. 11.
 Shaw, Sidney B., San Francisco, Calif. Carburetor. 1,514,937; Nov. 11.
 Shce, Parke E., assignor of one-half to E. I. Noble, Lancaster, Pa. Flower holder. 1,515,078; Nov. 11.
 Shedy, William M. (See Bailey, Clifford E., assignor.)
 Sheppard, Percival W., Boerne, Tex. Advertising sign. 1,515,444; Nov. 11.

Shindel, Harry F. (See Willson, F. and Shindel.)
 Shuler, William A., New Orleans, La. Rim for vehicle tires and wheels. 1,514,804; Nov. 11.
 Siegmund, Humphreys O., Springfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Asymmetric-cell anode. 1,514,736; Nov. 11.
 Siewers, Walter L., Winston-Salem, assignor to The Maline Mills Company, Forsyth County, N. C. Lady's undergarment. 1,515,282; Nov. 11.
 Siewers, Walter L., Winston-Salem, assignor to The Maline Mills Company, Forsyth County, N. C. Lady's undergarment. 1,515,283; Nov. 11.
 Sigge, Joseph W., assignor of one-half to G. Vicker, Superior, Wis. Dispensing mechanism. 1,514,679; Nov. 11.
 Sigler, John J., Frederick, Md. Connecting link for chains. 1,514,798; Nov. 11.
 Silva, Franklyn J., Oakland, assignor to M. M. Kahn, San Francisco, Calif. Drawbar attachment for tractors. 1,514,865; Nov. 11.
 Silvine, Antony, Victoria, British Columbia, Canada. Automatic air brake. 1,514,995; Nov. 11.
 Simonelli, Joseph, Brooklyn, N. Y. Cap. 1,514,799; Nov. 11.
 Simplex Steering Gear Co. (See Roth, Edward B., assignor.)
 Singer Manufacturing Company, The. (See Diehl, Frederick, assignor.)
 Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
 Sitney, Massey, Brooklyn, N. Y. Hand bag. 1,514,906; Nov. 11.
 Skärlund, Carl A., assignor to Aktiebolaget Pentaverken, Stockholm, Sweden. Internal-combustion engine. 1,515,523; Nov. 11.
 Skender, Michael, Pittsburgh, Pa. Automatic switch. 1,514,800; Nov. 11.
 Slough, Frank M., Elyria, Ohio, assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Mechanical telephone switching system. 1,515,370; Nov. 11.
 Smith, Arthur C., Meriden, Conn. Line-take-up device. 1,515,428; Nov. 11.
 Smith, Augustus, Sharon Springs, Kans. Corn harvester and husker. 1,515,226; Nov. 11.
 Smith, Carolyn S., Brooklyn, N. Y. Making colloidal solutions. 1,514,737; Nov. 11.
 Smith, Curtis F., Kansas City, Kans. Advertising device for automobiles. 1,515,419; Nov. 11.
 Smith, Ernest J., London, England, assignor to Goss Printing Press Company, Chicago, Ill. Stereotype-plate-casting mechanism. 1,514,801; Nov. 11.
 Smith, Ernest J., London, England, assignor to Goss Printing Press Company, Chicago, Ill. Stereotype-plate-casting machine. 1,514,802; Nov. 11.
 Smith, Henry M., Lyndonville, Vt. Dimming apparatus for headlights. 1,515,371; Nov. 11.
 Smith, Herman C., et al. (See Foster, Walter L., assignor.)
 Smith, James W., and J. W. Carson, Pictou, Nova Scotia, Canada. Nut lock. 1,515,179; Nov. 11.
 Smith, Lewis C., De Witt, Ark. Window-shade adjuster. 1,515,372; Nov. 11.
 Smith, Noble Z., Peoria, Ill. Attachment for vault doors. 1,514,806; Nov. 11.
 Smith, William M., assignor of one-half to R. A. Buryman, Memphis, Tenn. Oil gauge. 1,515,524; Nov. 11.
 Smith, William R., Cumberland, Md. Pulley remover. 1,515,445; Nov. 11.
 Snedeker, James W., assignor to Page Steel and Wire Company, Adrian, Mich. Joint for bumper bars. 1,515,316; Nov. 11.
 Snyder, George J., Rockford, Ill. Change-speed transmission. 1,514,738; Nov. 11.
 Soderberg, John G. (See Findlay, G. P., Lockwood, and Soderberg.)
 Soderstrom, Oscar, and F. H. Lynds, North Attleboro, Mass., assignors to Whiting & Davis Company. Link-mesh machine. 1,514,635; Nov. 11.
 Solosabal, Andres, Boise, Idaho, and L. G. Rippey, Los Angeles, Calif. Headlight-supporting bracket. 1,514,807; Nov. 11.
 Solosabal, Andres, Boise, Idaho, and L. G. Rippey, Los Angeles, Calif. Dirigible mechanism for headlights. 1,514,869; Nov. 11.
 Solosabal, Andres, Boise, Idaho, L. G. Rippey, and F. Thurber, Los Angeles, Calif. Headlight for motor vehicles. 1,514,868; Nov. 11.
 Sorensen, Sam, Houston, Tex. Lifting jack. 1,514,739; Nov. 11.
 Soss Manufacturing Co. (See Morin, Louis H., assignor.)
 Souter, Dracos, and W. Z. Wilkinson, Baton Rouge, La. Flange-pipe coupling. 1,514,803; Nov. 11.
 Spaeth, Charles, assignor, by mesne assignments, to The Marvel Equipment Company, Cleveland, Ohio. Hose nozzle. 1,514,870; Nov. 11.
 Spaulsby, Charles B., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Machine for operating on boot and shoe soles. 1,515,132; Nov. 11.
 Sperry, John B., assignor to The American Well Works, Aurora, Ill. Swivel for well-drilling apparatus. 1,514,871; Nov. 11.
 Sprague-Sells Corporation. (See Holmquist, A., and Bjorklund, assignors.)

Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,515,227; Nov. 11.
 Stafford, Lewis F., assignor to Stafford Spring Guard Company, Chicago, Ill. Bumper and attaching means therefor. 1,515,424; Nov. 11.
 Stafford Spring Guard Company. (See Stafford, Lewis F., assignor.)
 Stahl, Rodolphe, Detroit, Mich. Clutch. 1,515,284; Nov. 11.
 Standard Heater Company. (See Gillett, Merriman C., assignor.)
 Standard Oil Company. (See Lambert, Joseph H., assignor.)
 Stanley Works, The. (See Cook, Harris J., assignor.)
 Starr, Charles E., Oakland, Calif. Vehicle driving gear. 1,514,872; Nov. 11.
 Starrett, Henry F., assignor to Starrett Mfg. Co., Chicago, Ill. Hole closure. 1,515,317; Nov. 11.
 Starrett Mfg. Co. (See Starrett, Henry F., assignor.)
 Stäubli, Hermann, Horgen, Switzerland. Dobby mechanism. 1,514,873; Nov. 11.
 Staude, Edwin G., Minneapolis, Minn. Fluid-actuated brake for motor vehicles. 1,514,804; Nov. 11.
 Staven, Martin R., Brookings, S. Dak. Apparatus for contracting and expanding demountable rims. 1,514,997; Nov. 11.
 Steam Pressing Iron Company. (See Hoffman, Louis, assignor.)
 Steinman, David B. (See Robinson, H. D., and Steinman.)
 Stelter, Edward B., Hingham, Mont. Force-pump oil can. 1,515,446; Nov. 11.
 Stephan, Victor. (See Wohlrabe, O., and Stephan.)
 Stephens, William C. (See Wolcott, C. H., and Stephens.)
 Stevens, Robert A., Asheville, N. C. Comb. 1,515,525; Nov. 11.
 Stewart, Carlton D., and S. G. Down, Berkeley, Calif. Fire and draft regulating system. Re15,942; Nov. 11.
 Stewart Hartsborn Company. (See Hartsborn, Stewart, assignor.)
 Stewart, Vernon T., Montclair, N. J. Manufacture of arsenic acid. 1,515,079; Nov. 11.
 Stewart, Willis, Carlinville, Ill. Condiment holder. 1,514,740; Nov. 11.
 Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting temple for looms. 1,514,636; Nov. 11.
 Stock, Joseph A., assignor of one-half to E. H. Bartlett, Enfield, Mass. Cattle stanchion. 1,515,527; Nov. 11.
 Stockin, George W., Jacksonville, Fla. Car brake. 1,515,526; Nov. 11.
 Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive girder. 1,515,228; Nov. 11.
 Strachan, Archibald M., Minneapolis, Minn. Grain-heading machine. 1,515,229; Nov. 11.
 Strachan, Christopher, South Orange, N. J., and D. J. Irish, St. George, assignors to Morse Dry Dock & Repair Co., New York, N. Y. Oil strainer. 1,515,080; Nov. 11.
 Straub, John, Ashley, N. Dak. Tool for cutting bananas from bunches thereof. 1,514,680; Nov. 11.
 Street, Louis, R., Independence, Mo. Adjustable fan. 1,514,874; Nov. 11.
 Stringer, Clyde W., Highland Park, assignor to G. M. Holley, Detroit, Mich. Carburetor-choke-valve control. 1,515,230; Nov. 11.
 Stringer, George J., and L. L. Newcombe, Bay City, Mich. Electric vacuum cleaner. 1,514,875; Nov. 11.
 Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
 Stromberg-Carlson Telephone Manufacturing Company. (See Slough, Frank M., assignor.)
 Stroud, William. (See Barr, A., and Stroud.)
 Stupp, Charles G. (See Down, C. R., and Stupp.)
 Sturgeon, Robert A., Portsmouth, assignor to Vickers Limited, Westminster, England. Submarine mine, depth charge, and other explosive bodies for submarine use. 1,514,741; Nov. 11.
 Sullivan, John J., Springfield, Mass. Folding trousers creaser and stretcher. 1,515,373; Nov. 11.
 Sullivan Machinery Company. (See Gilman, George H., assignor.)
 Sullivan, Owen J. (See Keys, William H., assignor.)
 Sundboom, Clarence R., St. Paul, Minn. Power take-off for Fordson tractors. 1,514,876; Nov. 11.
 Suter, Charles F., Indianapolis, Ind. Heat exchanger. 1,514,877; Nov. 11.
 Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,515,231; Nov. 11.
 Svehillus, Henry M., Evanston, Ill. Quick-adjustable clamp. 1,515,286; Nov. 11.
 Swaney, Frank D., Brooklyn, N. Y. Statuette. Des. 65,981; Nov. 11.
 Sweeney, James F., Pittsburgh, Pa., assignor to International Motor Company, New York, N. Y. Tail gate. 1,514,878; Nov. 11.
 Swingspout Measure Company. (See Wiswell, Ozro N., assignor.)
 Symons, Wilson E., New York, N. Y. Shock-absorbing mechanism. 1,514,879; Nov. 11.
 Szpak, Mikola, Woonsocket, R. I. Tire-protector and antikid device. 1,515,287; Nov. 11.

T & L Co., The. (See Lotz, William A., assignor.)
 Tamassy, Jay, assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y. Bag-turning machine. 1,514,742; Nov. 11.
 Tappan Stove Company, The. (See Cook, Ross C., assignor.)
 Tasso, Charles, and H. B. Daly, New York, N. Y. Muffler. 1,514,805; Nov. 11.
 Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Connecting gearing. 1,514,938; Nov. 11.
 Taylor, Herbert J., Portsmouth, assignor to Vickers Limited, Westminster, England. Submarine mine and other explosive charge for submarine use. 1,514,743; Nov. 11.
 Taylor, Samuel J., New York, N. Y. Spectacle case. 1,515,180; Nov. 11.
 Telpel, Joseph, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Electric headlight. 1,514,637; Nov. 11.
 Tennenbaum, Louis S., and I. Freitag, Erie, Pa. Apparatus for compressing scrap metal. 1,515,318; Nov. 11.
 Theros Company, The. (See Popper, Isaac C., assignor.)
 Thieson, Henry H., Dalmeny, Saskatchewan, Canada. Ticket holder. 1,514,998; Nov. 11.
 Thomas Carbon Black Company. (See Thomas, Edward H., assignor.)
 Thomas, Edward H., East Orange, N. J., assignor to Thomas Carbon Black Company. Manufacture of gas black. 1,514,638; Nov. 11.
 Thomas, Frank L., assignor to Donner Steel Company, Inc., Buffalo, N. Y. Reinforcing bar for concrete construction. 1,514,806; Nov. 11.
 Thomas, Ira J., West Brownsville, Pa. Support. 1,515,447; Nov. 11.
 Thomas, Thomas H., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,514,999; Nov. 11.
 Thompson, William J., Clyde Park, Mont. Snuff dipper. 1,515,000; Nov. 11.
 Thurber, Frank. (See Solosabal, A., Rippey, and Thurber.)
 Tierney, William, Seattle, Wash. Clothespress. 1,515,374; Nov. 11.
 Toelle, William E., Elmhurst, N. Y. Automatic shut-off valve. 1,515,081; Nov. 11.
 Toenniesen, Erich, Erlangen, Germany. Manufacturing a specifically-active albumin substance from tubercle bacilli for use as a vaccine. 1,514,631; Nov. 11.
 Toledo Scale Company. (See Bergen, Harry S., assignor.)
 Toledo Scale Company. (See Menz, Ferdinand E., assignor.)
 Tompkins, George A., Grand Rapids, Mich. Mirror. Des. 65,982; Nov. 11.
 Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace lining and making the same. 1,515,375; Nov. 11.
 Toomey, Howard C., Philadelphia, Pa. Spreading or sowing machine for vegetative planting. 1,515,181; Nov. 11.
 Toy Thinkers, Inc., The. (See Myers, Philip, assignor.)
 Tracy, Howard E., assignor to O. S. Walker Company, Worcester, Mass. Magnetic chuck. 1,515,288; Nov. 11.
 Traylor, Benjamin K., El Campo, Tex. Store shelf and ladder construction. No. 1,515,420; Nov. 11.
 Trice, John R., and J. T. Weaver, Rocky Mount, N. C. Stretcher device for wire fences. 1,514,639; Nov. 11.
 Trostel, Albert O. (See Lauchuff, Alfred, assignor.)
 Truscon Steel Company, The. (See White, Herbert E., assignor.)
 Tryner, Ben J., assignor of one-half to M. E. Bowers, Le Roy, Minn. Sanitary drinking fountain. 1,514,880; Nov. 11.
 Tullis, John T., El Dorado, Ark. Cloth measuring and cutting machine. 1,515,289; Nov. 11.
 Turner, Samuel A., assignor to Pathe Chemical Company, Brooklyn, N. Y. Fiber treatment and products suitable therefor. 1,515,182; Nov. 11.
 Tweedy, Robert M., Spokane, Wash. Mineral separator. 1,514,807; Nov. 11.
 Tyler, Ralph S., and H. McGeorge, assignors to The Chandler and Price Company, Cleveland, Ohio. Inking mechanism for printing presses. 1,515,448; Nov. 11.
 Ultey Manufacturing Company. (See Frey, Ellsworth, assignor.)
 Underwood Typewriter Company. (See Keene, Wendell P., assignor.)
 Ungerbuehler, Albert. (See Phillips, Charles C., assignor.)
 Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
 Unit Player Action Co., The. (See Hulder, Joseph P., assignor.)
 United Shoe Machinery Corporation. (See Beler, Paul, assignor.)
 United Shoe Machinery Corporation. (See Brothers, Ell, assignor.)
 United Shoe Machinery Corporation. (See Goddu, George, assignor.)
 United Shoe Machinery Corporation. (See Gouldbourn, J., and Minett, assignors.)
 United Shoe Machinery Corporation. (See Elliott, Harry D., assignor.)
 United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)

United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
 United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
 United States Gypsum Company. (See Birdsey, Charles B., assignor.)
 Urquhart, Alexander, Derby, Conn. Chuck. 1,514,640; Nov. 11.
 Urquhart, Alexander, Derby, Conn. Chuck. 1,514,641; Nov. 11.
 Updegrave, Ulysses G. B., Cimarron, Kans. Tire heater. 1,515,421; Nov. 11.
 Utility Manufacturing & Sales Corporation. (See Driscoll, A. J., and Reinhard, assignors.)
 Vacuum Muffler Corporation, The. (See Andresen, Halvor, assignor.)
 Valley Mould & Iron Corporation. (See Abel, Albert E., assignor.)
 Valley Mould & Iron Corporation. (See Williams, Edward H., assignor.)
 Van Arnam, George H., Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company. Toilet-seat attachment. 1,515,533; Nov. 11.
 Van Arnam Manufacturing Company. (See Van Arnam, George H., assignor.)
 Van Heusen, John M. (See Prentice, George E., assignor.)
 Van Norman, George S., Detroit, Mich. Automatic reversing control. 1,514,881; Nov. 11.
 Van Norman Machine Tool Company. (See Fleming, G. W., and Ellingham, assignors.)
 Van Wijk, Pieter G., Geldermalsen, Netherlands. Circuit breaker. 1,515,183; Nov. 11.
 Veazey, William R., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Making light metal alloys. 1,515,082; Nov. 11.
 Vesta Battery Corporation. (See Angell, Chester M., assignor.)
 Vetter, Ernest A., Brooklyn, N. Y. Hair clipper. 1,515,422; Nov. 11.
 Vicker, George. (See Sigge, Joseph W., assignor.)
 Vickers Limited. (See Elia, Giovanni E., assignor.)
 Vickers Limited. (See Sturgeon, Robert A., assignor.)
 Vickers Limited. (See Taylor, Herbert J., assignor.)
 Victor Rubber Company, The. (See Berlin, Harry S., assignor.)
 Von Graewald, Conway, and H. Weidmann, Frankfurt-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Obtaining lithium salts or metallic lithium. 1,515,001; Nov. 11.
 Vose, Edward N., Darien, Conn. Running-board mat. 1,515,449; Nov. 11.
 Wadsworth, Dwight W., Fennville, Mich. Fruit and vegetable packing machine. 1,514,882; Nov. 11.
 Wadsworth, Frank L. O., Pittsburgh, Pa. Method and apparatus for the manufacture of glass plates. 1,515,450; Nov. 11.
 Waggoner, Jacob E., Chicago, Ill. Pressure-controlling mechanism for pressure cookers. 1,515,184; Nov. 11.
 Wagner, Bernard P., assignor to The Wagner Manufacturing Company, Sidney, Ohio. Teakettle. Des. 65,983; Nov. 11.
 Wagner Manufacturing Company, The. (See Wagner, Bernard P., assignor.)
 Waldo, Leonard, Plainfield, N. J. Reduction furnace. 1,515,185; Nov. 11.
 Wales Adding Machine Company. (See Pentecost, Arthur, assignor.)
 Walker, O. S., Company. (See Tracy, Howard E., assignor.)
 Wallace, Allen; Moorestown, N. J., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Truck structure. 1,515,290; Nov. 11.
 Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Chlorinator. 1,514,939; Nov. 11.
 Wallace, Oliver A. (See Pratt, L. S., and Wallace.)
 Wallace & Tiernan Co. (See Wallace, Charles F., assignor.)
 Walser, Joseph J., Ann Arbor, Mich., assignor to Goss Printing Press Company. Stereotype-plate-making machine. 1,514,744; Nov. 11.
 Walser, Joseph J., Ann Arbor, Mich., assignor to Goss Printing Press Company. Stereotype-plate-making machine. 1,514,745; Nov. 11.
 Wappler, Reinhold H., Yonkers, N. Y. Muscle-stimulating electric device. 1,514,746; Nov. 11.
 Ward, Garret H., Tillamook, Oreg. Combination manger and feed box. 1,515,451; Nov. 11.
 Wasserman, Rudolf, New York, N. Y. Skirt marker. 1,514,808; Nov. 11.
 Waterloo Saddlery Company. (See Grings, Casper H., assignor.)
 Watkins, Everette A., assignor to The Watkins Manufacturing Company, Wichita, Kans. Molding machine. 1,515,002; Nov. 11.
 Watkins Manufacturing Company, The. (See Watkins, Everette A., assignor.)
 Watson, Ira G., Anderson, S. C. Combined washing machine and preserving apparatus. 1,515,003; Nov. 11.
 Wattle, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Double shuttle motion. 1,514,940; Nov. 11.

Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking arm for looms. 1,514,941; Nov. 11.

Weatherly, George W., et al. (See Myers, Wilson R., assignor.)

Weaver, John T. (See Trice, J. R., and Weaver.)

Webb, Samuel, and H. C. Guest, Dudley, England. Safety suspending apparatus for mine cages and lifts. 1,515,452; Nov. 11.

Weldmann, Hans. (See von Girsowald, C., and Weldmann.)

Weinbaum, Herbert, L. M. Ferber, Bronx, and H. Leonard, Brooklyn, N. Y. Dispensing container. 1,515,004; Nov. 11.

Weiss, Georg, Zeesen, near Konigs Wusterhausen, Germany, assignor, by mesne assignments, to American Investigation Corporation, New York, N. Y. Stabilizing surface for aircraft. 1,515,528; Nov. 11.

Well, Hugo C., New York, N. Y. Internal-combustion engine. 1,515,529; Nov. 11.

Welly, Peter P., Pandora, Ohio. Skidding and shingle strip for building purposes. 1,515,530; Nov. 11.

Werden, Edward T. (See Werden, Edward W., assignor.)

Werden, Edward W., assignor to E. T. Werden, Mount Vernon, N. Y. Fuse indicator. 1,514,642; Nov. 11.

Werson, Leo C., Cresco, Pa. Firefighter. 1,515,532; Nov. 11.

Wertheimer, Milton, Baltimore, Md. Cigar-wrapping machine. 1,514,747; Nov. 11.

Western Electric Company. (See Denkin, Gerald, assignor.)

Western Electric Company. (See Field, Joseph C., assignor.)

Western Electric Company. (See Fowler, Clarence B., assignor.)

Western Electric Company. (See Goff, Harold W., assignor.)

Western Electric Company. (See Grondahl, Hans H. C., assignor.)

Western Electric Company. (See Haase, Carl O., assignor.)

Western Electric Company. (See Harlow, John B., assignor.)

Western Electric Company. (See Hartley, Ralph V. L., assignor.)

Western Electric Company. (See Horton, Joseph W., assignor.)

Western Electric Company. (See Kendall, Burton W., assignor.)

Western Electric Company. (See Lucas, Francis F., assignor.)

Western Electric Company. (See O'Neill, Henry W., assignor.)

Western Electric Company. (See Raynsford, Arthur, assignor.)

Western Electric Company. (See Reddig, Charles E., assignor.)

Western Electric Company. (See Sass, Adolph H., assignor.)

Western Electric Company. (See Scriven, Edward O., assignor.)

Western Electric Company. (See Slegmund, Humphreys O., assignor.)

Western Electric Company. (See Wold, Peter I., assignor.)

Westinghouse Air Brake Company, The. (See Bartholomew, John R., assignor.)

Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Hukill, Henry D., assignor.)

Westinghouse Air Brake Company. (See Thomas, Thomas H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Alben, Frank L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Asplund, Louis M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Butcher, Charles A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Candee, Andrew H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)

Westinghouse Electric & Manufacturing Company. (See De Camp, Ray E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ganda, Adolph A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hands, Howard A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hine, Harris D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hodgkins, Charles H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hoey, Samuel C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Huey, George W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jasper, William B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)

Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Leonard, Stuart G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Storer, Norman W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Sutherland, Ernest E., assignor.)

Westinghouse Electric & Manufacturing Company. (See White, Robert J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Whitehead, John B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Yensen, Trygve D., assignor.)

Westinghouse Electric Products Company. (See Woodson, James C., assignor.)

Wheeler, George E., et al. (See Coe, Joseph H., assignor.)

Wheeling Stamping Company. (See Davis, Walter T., assignor.)

White American Locomotive Sander Company. (See Fowler, Mack J., assignor.)

White, Herbert E., assignor to The Truscon Steel Company, Youngstown, Ohio. Control system for ventilating shaft units. 1,515,370; Nov. 11.

White, James B., Yorklyn, Del. Stock cutter. 1,515,377; Nov. 11.

White, Morris, New York, N. Y. Handle. 1,515,291; Nov. 11.

White, Robert J., Wilkesburg, Pa., assignor to Westinghouse Electric & Mfg. Co. Machine for banding armatures. 1,515,292; Nov. 11.

Whitehead, John B., Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Co. Corona protection device. 1,515,293; Nov. 11.

Whiting & Davis Company. (See Soderstrom, O., and Lynds, assignors.)

Whitten, Frank A., assignor to General Motors Corporation, Detroit, Mich. Universal joint. 1,514,942; Nov. 11.

Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Automatic plug reverse switch. 1,515,232; Nov. 11.

Wilber, Harold C., Tuscola, Ill. Timer. 1,515,531; Nov. 11.

Wilkins, Willie A., Tallula, Miss. Animal trap. 1,515,083; Nov. 11.

Wilkinson, William Z. (See Souter, D., and Wilkinson.)

Willard Storage Battery Company. (See Willard, Theodore A., assignor.)

Willard, Theodore A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,515,453; Nov. 11.

Williams, Edward H., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Ingot mold and method of casting. 1,515,319; Nov. 11.

Williams, Joseph C., Kansas City, Mo. Steam engine. 1,515,378; Nov. 11.

Williams, Victor G. (See Johnson, A. R., and Williams.)

Willis, Oscar D., Huntington, W. Va. Toy. 1,515,533; Nov. 11.

Willson, Frederick, and H. F. Shindel, assignors to Willson Goggles Inc., Reading, Pa. Eye-protector attachment for spectacles. 1,514,943; Nov. 11.

Willson Goggles Inc. (See Willson, F., and Shindel, assignors.)

Wilson, Ezekiel J., East Greenbush, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Felt-drying machine. 1,514,748; Nov. 11.

Wilson, Ezekiel J., East Greenbush, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Method and machine for treating felts. 1,514,749; Nov. 11.

Wilson, Frederick D. (See Burns, L. S., and Wilson.)

Wilson, Harold, Detroit, Mich. Electric vaporizer. 1,514,682; Nov. 11.

Wilson, Mary F. F., New Rochelle, N. Y. Window. 1,515,454; Nov. 11.

Wilson, Ray C. (See Arnold, H. S., and Wilson.)

Winchester, Raymond A., Lind, Wash. Transmission mechanism. 1,514,750; Nov. 11.

Wise, William E., Toledo, Ohio. Car-door ventilator. 1,514,643; Nov. 11.

Wisch, Walter J., Baltimore, Md. Apparatus for making hollow balls. 1,514,800; Nov. 11.

Wisch, Walter J., Baltimore, Md. Making hollow balls. 1,514,810; Nov. 11.

Wiswell, Ozro N., Los Angeles, Calif., assignor to Swingspout Measure Company. Swingspout pouring device for containers. 1,514,944; Nov. 11.

Wiswell, Ozro N., Los Angeles, Calif., assignor to Swingspout Measure Co. Swingspout measure. 1,514,945; Nov. 11.

Wittmann, Joseph H., Kansas City, Mo. Chair. 1,514,811; Nov. 11.

Wohlrabe, Otto, and V. Stephan, Plauen, Germany. Stereotype-plate-casting machine. 1,515,084; Nov. 11.

Wolcott, Charles H., and W. C. Stephens, Thomaston, Ga. Device for moving water from alashers. 1,515,085; Nov. 11.

Wold, Peter I., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube oscillator chronometer. 1,514,751; Nov. 11.

Wold, Peter I., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Receiving radiol signals. 1,514,752; Nov. 11.

Wold, Peter I., Schenectady, assignor to Western Electric Company, Incorporated, New York, N. Y. Signal-receiving system. 1,514,753; Nov. 11.

Wolfe, Chase W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 65,984; Nov. 11.

Wolter, Antone E., Everett, Wash. Spotlight. 1,515,005; Nov. 11.

Wolverine Metal Specialties Co. (See Brochu, Arthur J., assignor.)

Wood, Andrew, Cornwall on the Hudson, N. Y. Control for heating furnaces. 1,514,946; Nov. 11.

Woodbury, John E., Worcester, Mass. Sheet-feeding device. 1,514,947; Nov. 11.

Woodin, Ernest C., Chicago, Ill. Breeze arrester and the like. 1,515,233; Nov. 11.

Woodrow, Oliver B., Newton, Iowa. Rack for operating mechanism for washing machines. 1,515,006; Nov. 11.

Woodside, Albert L., Butte, Mont. Support. 1,515,534; Nov. 11.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Exhaust valve for electrically-heated ovens. 1,515,234; Nov. 11.

Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)

Woodward Automatic Control Corporation. (See Woodward, Garrett W., assignor.)

Woodward, Edgar W., and J. C. Millsap, Susanville, Calif. Motor vehicle. 1,515,235; Nov. 11.

Woodward, Garrett W., assignor to Woodward Automatic Control Corporation, Chicago, Ill. Gear-shifting mechanism. 1,515,236; Nov. 11.

Worcester Electric Tool Company. (See Goss, George P., assignor.)

Worrell, Lola C., New York, N. Y. Doll. Des. 65,985; Nov. 11.

Wright, Kenneth A. (See Crites, V. C., and Wright.)

Yale & Towne Manufacturing Company, The. (See Hoyt, William R., assignor.)

Yale & Towne Manufacturing Company, The. (See Jensen, James B., assignor.)

Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)

Yale & Towne Manufacturing Company, The. (See Maxwell, M. C., and Ledin, assignors.)

Yale & Towne Manufacturing Company, The. (See Ryan, Michael F., assignor.)

Yensen, Trygve D., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring device. 1,515,237; Nov. 11.

York, Edgar L., Peoria, Ill. Ironing machine. 1,515,379; Nov. 11.

Young, Carl L. (See Baxter, M. C., and Young.)

Young, James H., Pittsburgh, Pa. Container for razor blades. 1,514,754; Nov. 11.

Youngman, Robert H., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Neutral cement. 1,514,812; Nov. 11.

Youngstown Pressed Steel Company. (See Curtis, L. E., and Manofsky, assignors.)

Youngstown Pressed Steel Company. (See Morrison, David G., assignor.)

Zunino, Ferdinando, San Francisco, Calif. Rattan fern box. Des. 65,986; Nov. 11.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abdominal complaints. Device for the treatment of women's. K. Henrich. 1,515,043; Nov. 11.
Accelerator mechanism. G. G. Pearce. 1,514,860; Nov. 11.
Acid. Fixation of phosphoric. B. G. Klugh. 1,514,912; Nov. 11.
Acid. Manufacture of arsenic. V. T. Stewart. 1,515,079; Nov. 11.
Addressing or like printing machine. L. M. Barman. 1,514,883; Nov. 11.
Adhesive and coating composition. H. F. Jenkins. 1,515,439; Nov. 11.
Advertising device. N. Litwin. 1,514,775; Nov. 11.
Advertising device. W. J. H. Page. 1,514,980; Nov. 11.
Advertising device. F. J. Rosenberg. 1,515,070; Nov. 11.
Advertising sign. P. W. Shephard. 1,515,444; Nov. 11.
Agricultural implement. J. M. Kombel. 1,515,217; Nov. 11.
Agricultural implement. J. M. Meyers. 1,514,982; Nov. 11.
Air and other gases. Apparatus for treating. W. A. Darrab. 1,514,835; Nov. 11.
Air brake. Automatic. A. Silvene. 1,514,995; Nov. 11.
Air compressor. O. L. Fowler. 1,515,101; Nov. 11.
Aircraft. C. S. Hall. 1,515,037; Nov. 11.
Aircraft. Stabilizing surface for. G. Weiss. 1,515,528; Nov. 11.
Air lining within a nozzle construction. Producing an. W. E. Lewis. 1,514,976; Nov. 11.
Airships. Landing apparatus for. F. Gentzke. 1,515,577; Nov. 11.
Albumin substance from tubercle bacilli for use as a vaccine. Manufacturing a specifically-active. E. Toennies. 1,514,681; Nov. 11.
Alloy. C. Dietz. 1,515,464; Nov. 11.
Alloys. Making light metal. W. R. Veazey. 1,515,082; Nov. 11.
Alumina alkali and di-calcium silicate. A. H. Cowles. 1,514,657; Nov. 11.
Aluminum and metals of the iron group from zinc zinc alloys, etc. Elimination of. K. Bornemann. 1,515,140; Nov. 11.
Amusement apparatus. J. Goldman. 1,514,961; Nov. 11.
Amusement device. C. V. Johnson and T. C. Cain. 1,515,051; Nov. 11.
Anchoring device. A. J. Dubee. 1,515,557; Nov. 11.
Animal trap. C. J. Edwards. 1,515,559; Nov. 11.
Animal trap. F. W. Schott. 1,514,994; Nov. 11.
Animal trap. W. A. Wilkins. 1,515,083; Nov. 11.
Anode. Asymmetric-cell. H. O. Sigmund. 1,514,736; Nov. 11.
Anthraquinone. Producing. G. C. Bailey. 1,515,325; Nov. 11.
Antiskid chain. E. F. Elzey. 1,514,896; Nov. 11.
Antiskid chains. Equalizing link for. H. St. Pierre. 1,515,285; Nov. 11.
Antiskid-chain-securing device. F. J. Dessery and W. Niebaum. 1,514,660; Nov. 11.
Antiskid or traction shoe. J. C. Jordan. 1,515,491; Nov. 11.
Aperiodic receiver system. F. Conrad. 1,515,186; Nov. 11.
Arch support. L. Plattl. 1,515,271; Nov. 11.
Armatures. Machine for banding. R. J. White. 1,515,292; Nov. 11.
Article of manufacture and the production thereof. U. S. McMillan. 1,515,062; Nov. 11.
Asphalt pavements and the like. Machine for making. S. D. Humphries. 1,514,663; Nov. 11.
Assembling tool. D. Lossius. 1,515,349; Nov. 11.
Auger for postholes. Portable. R. W. Peterson. 1,515,441; Nov. 11.
Automatic regulator. E. Roncka. 1,515,173; Nov. 11.
Automatic switch. M. Skender. 1,514,800; Nov. 11.
Automobile attachment. M. H. Merriam. 1,514,777; Nov. 11.
Automobile combination lock. W. A. Jacobs. 1,515,117; Nov. 11.
Automobile direction indicator. C. E. McKamey. 1,514,711; Nov. 11.
Automobile heater. J. F. Goetz. 1,515,106; Nov. 11.
Automobile license holder. F. Owens. 1,515,518; Nov. 11.
Automobile radiator cap. A. J. Brochu. Des. 65,958; Nov. 11.
Automobile side bumper. W. R. McGowen. 1,515,307; Nov. 11.
Automobile starting mechanism. C. H. Hodgkins. 1,515,203; Nov. 11.
Automobiles. Advertising device for. C. F. Smith. 1,515,419; Nov. 11.
Automobiles and the like. License plate for. J. F. Ericson. 1,514,841; Nov. 11.
Automobiles. Bumper-operated clutch release and brake applicator for. K. Guskov. 1,515,035; Nov. 11.
Automotive brake. S. G. Down. 1,514,689; Nov. 11.
Automotive brake. H. D. Hukill. 1,514,662; Nov. 11.
Autovehicle. K. P. Radovanovitch. 1,515,363; Nov. 11.
Awning-operating means. J. R. Maclear. 1,515,581; Nov. 11.
Awning structure. G. F. Parker. 1,515,270; Nov. 11.
Axle drive for motor vehicle. Rear. E. Rumpier. 1,514,862; Nov. 11.
Bacteria and producing same. Culture of beneficial soil. H. W. Earp-Thomas. 1,515,016; Nov. 11.
Badge or similar article. J. A. Meyers. Des. 65,973; Nov. 11.
Bag. See—
Hand bag.
Bag-turning machine. J. Tamassy. 1,514,742; Nov. 11.
Balls. Apparatus for making hollow. W. J. Wisch. 1,514,809; Nov. 11.
Balls. Making hollow. W. J. Wisch. 1,514,810; Nov. 11.
Bananas from bunches thereof. Tool for cutting. J. Straub. 1,514,680; Nov. 11.
Bar. See—
Bumper bar.
Base-exchange material and making same. A. S. Behrman. 1,515,007; Nov. 11.
Basket cover and holder. Fruit. G. R. Fowler. 1,515,570; Nov. 11.
Battery. See—
Storage battery.
Battery. A. E. Melchior. 1,514,670; Nov. 11.
Battery jars and similar articles of hard rubber. Manufacturing. E. S. Boyer and A. C. Butfield. 1,515,381; Nov. 11.
Bead structure. S. Lederer. 1,515,499; Nov. 11.
Bean-shelling device. M. Molnar. 1,514,778; Nov. 11.
Bearing. Ball. W. G. Bambridge. 1,514,597; Nov. 11.
Bearings. Mounting for shaft. R. C. Mitchell. 1,515,266; Nov. 11.
Bedstead attachment. M. A. Frechin. 1,515,473; Nov. 11.
Belt and making the same. Endless rope. R. Ronk. 1,515,365; Nov. 11.
Revel. Framing. R. H. Russell. 1,515,522; Nov. 11.
Bicycle. H. C. Pauly. 1,514,720; Nov. 11.
Bilge block, keel block, and the like. W. G. Glover. 1,515,435; Nov. 11.
Bill file. G. L. Burgess. 1,514,892; Nov. 11.
Blinder. Loose-leaf. J. C. Dawson. 1,515,298; Nov. 11.
Bliscuit-making apparatus. W. Dredge. 1,515,098; Nov. 11.
Bit. See—
Drill bit.
Bituminous emulsion and making same. L. Kirschbraun. Re-15,944; Nov. 11.
Black. Manufacture of gas. E. H. Thomas. 1,514,638; Nov. 11.
Blade hone or strop. F. J. Katteyer. 1,515,210; Nov. 11.
Blanching machine. A. P. Grohens. 1,515,386-7; Nov. 11.
Blast furnace. P. O. Menke. 1,514,776; Nov. 11.
Blotter-holding device. T. Mlynaski. 1,514,920; Nov. 11.
Blowpipe apparatus. W. C. Bucknam. 1,514,650; Nov. 11.
Board. See—
Directory board. Plaster board.
Ironing board. Record board.
Robbin holder. G. W. Dover. 1,515,243; Nov. 11.
Robbin stripper. G. J. Pfeiffer. 1,514,924; Nov. 11.
Boiler. See—
Locomotive boiler.
Bolts. Apparatus for pointing. J. Craig. 1,515,187; Nov. 11.
Bottle. R. Desselignes. Des. 65,963; Nov. 11.
Bottles. Cap for milk. D. Genese. 1,515,432; Nov. 11.
Box. See—
Manger and feed box. Stuffing box.
Paper box.
Box-covering machines. Thumb-holding means for. C. D. Cheney. 1,515,145; Nov. 11.

xxxii

ALPHABETICAL LIST OF INVENTIONS.

xxxiii

Box covers. Locking device for. P. Assner. 1,514,821; Nov. 11.
Brace. See—
Furniture brace.
Brace. H. G. W. Ott. 1,515,131; Nov. 11.
Bracket. See—
Headlight-supporting bracket.
Shelf-supporting bracket.
Brake. See—
Air brake. Electropneumatic brake.
Automobile brake. Fluid-operated brake.
Automotive brake. Vehicle brake.
Car brake.
Brake. A. E. Norris. 1,515,400; Nov. 11.
Brake device. Automotive. J. R. Bartholomew. 1,514,684; Nov. 11.
Brake mechanism. Vehicle. J. W. Millard. 1,515,310; Nov. 11.
Brassiere. N. R. Saccetta. 1,515,223; Nov. 11.
Breeze arrester and the like. E. C. Woodin. 1,515,233; Nov. 11.
Bridge. Suspension. H. D. Robinson and D. B. Steinman. 1,514,932; Nov. 11.
Brooch or the like. J. Pejchar. 1,515,313; Nov. 11.
Brush. M. O. Hamer, W. F. Lange, and C. C. Graham. 1,514,763; Nov. 11.
Brush. K. A. Lucey. 1,515,503; Nov. 11.
Brushes. Mechanism for making rotary. L. H. Nielsen. 1,514,715; Nov. 11.
Buckle. Backband. W. O. Herndon. 1,515,482; Nov. 11.
Building-block machine. J. H. Mathis. 1,514,980; Nov. 11.
Building structure. Metal. H. Krasnow. 1,515,257; Nov. 11.
Bumper and attaching means therefor. L. F. Stafford. 1,515,424; Nov. 11.
Bumper bar. F. J. Kerber. 1,515,255; Nov. 11.
Bumper-bar joint. J. W. Snedeker. 1,515,316; Nov. 11.
Burner. See—
Gas burner. Oil burner.
Hydrocarbon burner. Oven burner.
Burner. W. H. Hisey. 1,515,112; Nov. 11.
Burner. G. W. Miller. 1,515,510; Nov. 11.
Burner and lamp. Combination. M. Assel. 1,514,595; Nov. 11.
Burners. Safety appliance for gas. A. J. Gliden. 1,514,899; Nov. 11.
Butt gauge. A. G. Hjert. 1,515,483; Nov. 11.
Cabinet-joining construction. F. A. Schmitz. 1,514,992; Nov. 11.
Cage. Bird. L. J. Leon. 1,514,624; Nov. 11.
Cage. Bird. W. F. Schleich. Des. 65,976; Nov. 11.
Calandria. J. J. Armstrong. 1,514,819; Nov. 11.
Calculating machines. Eliminating mechanism for. A. Pentecost. 1,514,721; Nov. 11.
Calendering machine. Attachment for. J. E. Bowen. 1,514,647; Nov. 11.
Cameras. Film-winding attachment for. E. J. Quinn. 1,514,789; Nov. 11.
Can. See—
Pump oil can.
Can opener. W. M. and O. H. Jewell. 1,515,487; Nov. 11.
Canning citrous fruit. Process and apparatus for. E. H. Lefevre. 1,514,774; Nov. 11.
Cap. J. Simonelli. 1,514,799; Nov. 11.
Cap-making machine. H. Oswald. 1,515,404; Nov. 11.
Car bodies on their chassis. Mounting of motor. B. F. F. Merrill. 1,514,981; Nov. 11.
Car brake. G. W. Stockin. 1,515,526; Nov. 11.
Car couplers. Uncoupling device for. C. W. Booth. 1,515,334; Nov. 11.
Car door. Freight. L. S. Pratt and O. A. Wallace. 1,515,521; Nov. 11.
Car-door ventilator. W. E. Wine. 1,514,643; Nov. 11.
Car dump. V. T. Barkley. 1,515,326; Nov. 11.
Car for handling articles. Partition. A. A. Scott. 1,515,582; Nov. 11.
Car mounting. E. G. Richards. 1,514,672; Nov. 11.
Car-roof bracketing. Freight. J. McMullen. 1,514,627; Nov. 11.
Cars. Door for grain. R. Ebling. 1,515,558; Nov. 11.
Carbon black. Making. A. Bonnington. 1,515,333; Nov. 11.
Carburetor. A. J. Frame. 1,515,384; Nov. 11.
Carburetor. S. B. Shaw. 1,514,937; Nov. 11.
Card dampening and stenciling machine. E. A. Geiger and H. T. Jennings. 1,514,611; Nov. 11.
Cargo hook. R. Kinnear. 1,514,772; Nov. 11.
Case. See—
Spectacle case.
Case forming a shaving requisite. F. Bouquet. 1,515,542; Nov. 11.
Casting device. J. O. Boyle. 1,515,544; Nov. 11.
Casting machine. F. E. Menz. 1,514,859; Nov. 11.
Casting metal. H. A. Myers. 1,515,163; Nov. 11.
Casting with plastic materials. L. G. Copeman. 1,515,150; Nov. 11.
Castings. Producing chilled-iron-alloy. J. N. Early. 1,515,244; Nov. 11.
Castings. System for making lead. C. M. Angell. 1,515,137; Nov. 11.
Catalytic oxidation. Process and apparatus for. C. R. Downs and C. G. Stupp. 1,515,299; Nov. 11.
Cellar-window ventilator and guard. J. Kilcher. 1,514,771; Nov. 11.
Cement and asbestos and articles made thereby. Manufacture of sheets, panels, and other articles in. I. E. and O. E. Lanhofer. 1,514,666; Nov. 11.
Cement. Neutral. R. H. Youngman. 1,514,812; Nov. 11.
Centering machine. W. Jannell. 1,514,908; Nov. 11.
Chains. Connecting link for. J. J. Sigler. 1,514,798; Nov. 11.
Chair. J. H. Wittman. 1,514,811; Nov. 11.
Chair. J. R. McCargar. Des. 65,972; Nov. 11.
Charging apparatus. J. M. Sellers. 1,515,178; Nov. 11.
Chart. Color harmony. J. L. Mitchell. 1,515,512; Nov. 11.
Chicken waterer. H. D. Kohlmeier. 1,515,256; Nov. 11.
Chimney cleaner. J. Renner. 1,515,410; Nov. 11.
Chlorinator. C. F. Wallace. 1,514,939; Nov. 11.
Chopper. See—
Cotton chopper.
Chuck. A. Urquhart. 1,514,640-1; Nov. 11.
Chuck for bit braces. T. Prentice. 1,515,272; Nov. 11.
Chuck. Magnetic. H. E. Tracy. 1,515,288; Nov. 11.
Cigar lighter. Automatic electric. S. D. Sacks. 1,515,176; Nov. 11.
Cigar-wrapping machine. M. Wertheimer. 1,514,747; Nov. 11.
Circuit breaker. P. G. van Wijk. 1,515,183; Nov. 11.
Circuit closer. Thermal. G. O. Ruff. 1,515,072; Nov. 11.
Clamp. See—
Form clamp. Quick-adjustable clamp.
Hoisting clamp.
Clasp. See—
Ribbon-bracelet clasp.
Claw bar. W. A. Bump. 1,515,009; Nov. 11.
Cleaner. See—
Chimney cleaner. Window cleaner.
Vacuum cleaner.
Clip. See—
Neckwear clip.
Clip. L. L. Kane. 1,514,910; Nov. 11.
Clipper. H. E. Derby. 1,515,555; Nov. 11.
Closure arrangement for containers. V. L. Elwell. 1,515,560; Nov. 11.
Cloth-cutting machine. J. B. Gury. 1,514,696-7; Nov. 11.
Cloth measuring and cutting machine. J. T. Tullis. 1,515,289; Nov. 11.
Clothes hanger. S. H. Johnson. 1,515,489; Nov. 11.
Clothespin. J. W. Bowers. 1,514,886; Nov. 11.
Clothespin. G. S. Shaw. 1,514,797; Nov. 11.
Clothespress. W. Tierney. 1,515,374; Nov. 11.
Clutch. J. Horridge. 1,514,617; Nov. 11.
Clutch. A. E. Norris. 1,515,401; Nov. 11.
Clutch. R. Stahl. 1,515,284; Nov. 11.
Clutch for prime movers or the like. Safety. W. J. O'Leary. 1,514,716; Nov. 11.
Clutch. Friction. A. E. Norris. 1,515,402; Nov. 11.
Clutch. High-speed. A. A. Conway. 1,515,341; Nov. 11.
Clutch mechanism. Reverse. V. H. Palm. 1,515,068; Nov. 11.
Coal drill. S. Mikulski. 1,515,157; Nov. 11.
Coffee roaster. A. P. Grohens. 1,515,385; Nov. 11.
Coin-delivery or change-giving machine. T. W. Chick. 1,515,549; Nov. 11.
Cold-storage system. M. W. Browne. 1,515,546; Nov. 11.
Collapsible mold. H. A. Ledyard and J. J. Jelley. 1,515,057; Nov. 11.
Collapsible supporting device. S. E. Perkins. 1,514,722; Nov. 11.
Collar. P. A. Keller. 1,515,392; Nov. 11.
Colloidal solutions. Making. C. S. Smith. 1,514,737; Nov. 11.
Comb. See—
Fine-tooth comb.
Comb. R. A. Stevens. 1,515,525; Nov. 11.
Commutator. M. Bottino. 1,514,828; Nov. 11.
Concrete construction. E. F. and T. H. Needham. 1,514,714; Nov. 11.
Concrete construction. Reinforcing bar for. F. L. Thomas. 1,514,806; Nov. 11.
Concrete curling. F. A. Selfert. 1,514,936; Nov. 11.
Concrete roads. Machine for building. A. F. Parker. 1,514,923; Nov. 11.
Concrete. Surfacing and coloring. R. R. Kaufman. 1,514,121; Nov. 11.
Condenser. A. H. Sass. 1,514,733; Nov. 11.
Condiment holder. W. Stewart. 1,514,740; Nov. 11.
Conduit fitting. E. M. Glasgow. 1,514,612; Nov. 11.
Connecting rod. E. K. Burmaster. 1,514,652; Nov. 11.
Construction fastener. G. B. Kissinger. 1,515,216; Nov. 11.
Contact finger. A. G. Heinrichs. 1,514,904; Nov. 11.
Containers. Construction of metallic. H. S. Reynolds. 1,514,930; Nov. 11.
Containers. Cover for. J. T. Lagols. 1,515,124; Nov. 11.
Control apparatus. A. H. Candee. 1,515,143; Nov. 11.
Control apparatus. H. H. Johnston. 1,515,208; Nov. 11.
Control system. L. M. Aspinwall. 1,515,138; Nov. 11.
Cookers. Pressure-controlling mechanism for pressure. J. E. Waggoner. 1,515,184; Nov. 11.
Coordinate switch. H. W. Goff. 1,514,850; Nov. 11.
Core barrel. P. M. Reilly. 1,515,171; Nov. 11.
Corn pickers and the like. Driving connection for. I. Brandt. 1,514,887; Nov. 11.
Corner bumper. A. E. Moon. 1,515,356; Nov. 11.

Corona protection device. J. B. Whitehead. 1,515,293; Nov. 11.
 Corrugating metal strips, Machine for. A. Goldberger. 1,515,107; Nov. 11.
 Corrugator. G. A. Ghent. 1,515,104; Nov. 11.
 Cotton chopper. J. T. Davis. 1,515,012; Nov. 11.
 Coupling: See—
 Flange-pipe coupling.
 Cover remover. J. La Londe. 1,515,395; Nov. 11.
 Crane. W. Robertson. 1,514,931; Nov. 11.
 Crane, Gantry. B. F. Fitch. 1,515,023; Nov. 11.
 Crank shaft. A. Hirth. 1,514,708; Nov. 11.
 Crank shafts, Balancing. W. R. Griswold. 1,515,034; Nov. 11.
 Crate, Knockdown. J. A. Moore. 1,514,984; Nov. 11.
 Crib, Child's. E. J. Barcolo. Des. 65,945; Nov. 11.
 Cup: See—
 Grease cup. Oil cup.
 Cup stand. A. Bank. 1,515,539; Nov. 11.
 Current-modifying relay system. R. V. L. Hartley. 1,515,109; Nov. 11.
 Cutter: See—
 Ice-cream-brick cutter. Stock cutter.
 Milling cutter. Thread cutter.
 Cutting machine. E. Conti. 1,514,758; Nov. 11.
 Cutting machine. E. J. Ray. 1,514,629; Nov. 11.
 Cutting tool. A. L. Evans. 1,514,842; Nov. 11.
 Cylinder lock. J. Croning. 1,514,659; Nov. 11.
 Cylinders, Machine for repairing scores in. C. Hopper. 1,514,907; Nov. 11.
 Dental anchoring devices, Forming. H. E. S. Chayes. 1,514,831; Nov. 11.
 Dental bridge anchor. W. L. Bumgardner and E. H. Hall. 1,514,591; Nov. 11.
 Deodorant and insecticide. R. C. Roark. 1,515,364; Nov. 11.
 Die-casting machine. A. R. Johnson and V. G. Williams. 1,515,458; Nov. 11.
 Digester. C. H. Gage. 1,515,103; Nov. 11.
 Directory board. D. A. Dance. 1,514,638; Nov. 11.
 Dishwashing machine. W. B. Pierson. 1,515,407; Nov. 11.
 Dispensing container. H. Weinbaum, L. M. Ferber, and H. Leonard. 1,515,004; Nov. 11.
 Dispensing device. H. S. Levinthal. 1,515,127; Nov. 11.
 Dispensing mechanism. J. W. Sigge. 1,514,679; Nov. 11.
 Display device. J. H. Coe. 1,515,460; Nov. 11.
 Display device, Collapsible. W. M. Carter. 1,515,338; Nov. 11.
 Display stand, Intermittently-revolving. J. M. Redinger. 1,515,443; Nov. 11.
 Dobby hook. G. J. Pfeiffer. 1,514,925; Nov. 11.
 Dobby mechanism. H. Staubli. 1,514,873; Nov. 11.
 Dog collars and other uses, Coupling device for. G. S. Carr. 1,514,654; Nov. 11.
 Doll. R. A. Freundlich. Des. 65,966-7; Nov. 11.
 Doll. G. Shaw. Des. 65,980; Nov. 11.
 Doll. L. C. Worrell. Des. 65,985; Nov. 11.
 Door-closing device. R. A. Podratz. 1,514,786; Nov. 11.
 Door-control device. J. M. Rosenbury. 1,514,646; Nov. 11.
 Door controller. F. J. Meagher. 1,515,155; Nov. 11.
 Door lock. H. Christiaansen. 1,515,550; Nov. 11.
 Door lock. J. H. Ridings. 1,515,220; Nov. 11.
 Door-operating mechanism. H. Rowntree. 1,515,175; Nov. 11.
 Door or gate opening mechanism, Swinging. A. Cerveny. 1,515,458; Nov. 11.
 Door or window catch or holding device. E. Fischer. 1,514,845; Nov. 11.
 Doorstop. J. F. and C. A. Brower. 1,515,091; Nov. 11.
 Doors, Attachment for vault. N. Z. Smith. 1,514,806; Nov. 11.
 Draft or suction tube. V. Kaplan. 1,515,211; Nov. 11.
 Drawbars, Machine for applying and removing. E. Langille. 1,515,258; Nov. 11.
 Draw works. H. C. Brewster. 1,514,649; Nov. 11.
 Drill: See—
 Coal drill. Seed drill.
 Drill bit. G. H. Gilman. 1,515,434; Nov. 11.
 Drilling machines and turning lathes, Apparatus for re-boring holes on. R. Ceroisky. 1,515,548; Nov. 11.
 Drinking fountain, Sanitary. B. J. Tryner. 1,514,880; Nov. 11.
 Drinking vessels, Protective covering for. H. Hernandez. P. 1,515,480; Nov. 11.
 Drying machine. G. W. Hedstrom. 1,515,306; Nov. 11.
 Drying plates of various sorts, Apparatus for. F. T. Powers. 1,514,926; Nov. 11.
 Duster. H. E. Brandt. 1,515,336; Nov. 11.
 Dynamic and static balancing machine. J. Lundgren. 1,515,350; Nov. 11.
 Electric-bulb holder. G. C. Allen. 1,514,814; Nov. 11.
 Electric fixture. J. Cuthbert. 1,514,759; Nov. 11.
 Electric furnace. C. Miller. 1,514,918; Nov. 11.
 Electric heater. J. Schoenfeld. Des. 65,977; Nov. 11.
 Electric-heater casing. J. Schoenfeld. Des. 65,979; Nov. 11.
 Electric-heater stand. J. Schoenfeld. Des. 65,978; Nov. 11.
 Electric heating device. L. M. Adams. 1,514,813; Nov. 11.
 Electric-light shade. A. M. Kantro. Des. 65,970; Nov. 11.
 Electric signal. E. W. McKinley. 1,515,061; Nov. 11.
 Electric signal device. J. W. Clark. 1,515,147; Nov. 11.
 Electric switch. C. D. Alsworth. 1,515,535; Nov. 11.
 Electric switch. T. T. Greenwood. 1,515,032; Nov. 11.
 Electric switch. I. R. Seltzer. 1,515,224; Nov. 11.
 Electrical distribution. H. S. Arnold and R. C. Wilson. 1,515,324; Nov. 11.
 Electrical laundry iron. M. Brown. 1,514,950; Nov. 11.
 Electrical protective device. A. A. Gazda. 1,515,197; Nov. 11.
 Electrical switch. A. Glaser. 1,515,578; Nov. 11.
 Electrical system. L. H. Miller. 1,515,354; Nov. 11.
 Electrical system. H. S. Pardee. 1,515,166; Nov. 11.
 Electrical timing and circuit-closing device. H. D. Severson. 1,515,369; Nov. 11.
 Electrode. I. H. Levin. 1,515,348; Nov. 11.
 Electrode for electrolytic condensers. R. E. Marbury. 1,515,128; Nov. 11.
 Electrolyte and composition for forming the same. A. Heck. 1,515,042; Nov. 11.
 Electrolytic anticorrosion system. A. S. Gush. 1,514,903; Nov. 11.
 Electromagnetic signaling apparatus. P. J. Ruddy. 1,514,732; Nov. 11.
 Electromagnetic transmission mechanism. C. E. F. Ahlm and H. Y. Hall. 1,515,321; Nov. 11.
 Electromagnetic transmission mechanism, Controlling system for. C. E. F. Ahlm. 1,515,322; Nov. 11.
 Electroplating machine. H. J. Richards. 1,514,793; Nov. 11.
 Electropneumatic brake. T. H. Thomas. 1,514,999; Nov. 11.
 Elevating shovel. W. C. Anthony. 1,514,817-18; Nov. 11.
 Elevator cable. W. S. Atkinson. 1,514,822; Nov. 11.
 Elevators, Leveling device for electrical. N. P. Julien. 1,515,209; Nov. 11.
 Embroidery stitching, Mechanism for. J. Flak. 1,515,301; Nov. 11.
 Enamelling furnace. A. F. H. Seelig. 1,515,368; Nov. 11.
 Engine-oiling device. J. H. Miller. 1,515,004; Nov. 11.
 Engine starter. W. B. Jaspert. 1,515,207; Nov. 11.
 Engines, Automatic speed-governing device for internal-combustion. E. T. Hull. 1,515,114; Nov. 11.
 Engines, Auxiliary fuel supply for gas. C. A. Schmid. 1,514,676; Nov. 11.
 Engines, Carburetor or vaporizer providing means for easy starting of internal-combustion. J. D. Mail. 1,515,507; Nov. 11.
 Engines, Charge-mixing device for internal-combustion. C. S. Saunders and W. P. Crauford-Lindsay. 1,515,280; Nov. 11.
 Engines, Fuel valve for internal-combustion. H. Pokorney. 1,515,168; Nov. 11.
 Engines, Injector for oil. E. Laebull. 1,515,496; Nov. 11.
 Engines, Lead-control mechanism for. H. K. Adams. 1,515,133; Nov. 11.
 Engines, Temperature indicator for internal-combustion. S. Ruben. 1,515,222; Nov. 11.
 Engines, Timer for gas. C. W. Adams. 1,514,596; Nov. 11.
 Engines, Water-vaporizing attachment for internal-combustion. C. Gemini and F. B. Diana. 1,515,250; Nov. 11.
 Engraving machine. W. H. Hope. 1,515,485; Nov. 11.
 Etching apparatus. V. C. Ronning. 1,514,794; Nov. 11.
 Excavating device. W. S. McNeil. 1,515,506; Nov. 11.
 Exchange circuits, Private-branch. R. S. Bailey. 1,514,945; Nov. 11.
 Exhaust alarm and lock. S. Croce. 1,514,658; Nov. 11.
 Eye-testing apparatus. E. T. Hartinger. 1,515,306; Nov. 11.
 Fabric: See—
 Metal fabric.
 Fabric in web form, Holding apparatus for the wet treatment of. E. Nagell. 1,515,514; Nov. 11.
 Fan, Adjustable. L. R. Street. 1,514,874; Nov. 11.
 Fastener-setting device. A. Koronaki. 1,514,913; Nov. 11.
 Fastening device. J. B. Muse. 1,514,781; Nov. 11.
 Fastening-inserting machine. G. Goddu. 1,514,613; Nov. 11.
 Feeding mechanism, Blank. H. H. Schmidt. 1,514,633; Nov. 11.
 Felt-drying machine. E. J. Wilson. 1,514,748; Nov. 11.
 Felts, Method and machine for treating. E. J. Wilson. 1,514,749; Nov. 11.
 Fender: See—
 Vehicle fender.
 Fern box, Rattan. F. Zunino. Des. 65,986; Nov. 11.
 Fiber board and manufacturing the same. A. L. Clapp. 1,514,655; Nov. 11.
 Fiber-separating machine. S. Murabito. 1,515,440; Nov. 11.
 Fiber treatment and products suitable therefor. S. A. Turner. 1,515,182; Nov. 11.
 Film reinforcement and making same. J. J. Dilks. 1,515,343; Nov. 11.
 Filter. G. D. Dickey and H. W. Conrad. 1,514,955; Nov. 11.
 Filter. E. Morrison. 1,515,130; Nov. 11.
 Filter, Liquid. T. F. McMillin. 1,514,979; Nov. 11.
 Fine-tooth comb. K. Kenner. 1,515,393; Nov. 11.

Finishing machine. A. Holmquist and W. A. Bjorklund. 1,515,118; Nov. 11.
 Fire and draft regulating system. C. D. Stewart and S. G. Down. Rel. 5,942; Nov. 11.
 Firearms, Breech protector for. O. I. Ronningen. 1,515,415; Nov. 11.
 Fire extinguisher. R. W. Pittman. 1,514,724; Nov. 11.
 Firefighter. L. C. Werson. 1,515,532; Nov. 11.
 Fish stop, Electric. H. T. Burkey. 1,515,547; Nov. 11.
 Fishing tools, Pressure gun for. C. Ochs. 1,515,006; Nov. 11.
 Fixture. W. L. Johns. 1,515,118; Nov. 11.
 Flange-pipe coupling. D. Souter and W. Z. Wilkinson. 1,514,803; Nov. 11.
 Flatiron controller, Automatic. H. D. Hineline. 1,515,202; Nov. 11.
 Flitch machine. G. M. Goethe. 1,515,436; Nov. 11.
 Flower holder. P. E. Shee. 1,515,078; Nov. 11.
 Fluid-operated brake. E. R. Evans. 1,515,018; Nov. 11.
 Flume screen. G. R. Roddy. 1,514,673; Nov. 11.
 Flying machine. M. W. Greer. 1,514,694; Nov. 11.
 Food product and making the same. W. S. Morton. 1,514,780; Nov. 11.
 Form clamp. M. C. Baxter and C. L. Young. 1,514,884; Nov. 11.
 Form clamp. G. B. Bosco. 1,515,335; Nov. 11.
 Fountain: See—
 Drinking fountain.
 Frame: See—
 Yarn-tube frame.
 Fruit catcher. C. Christo. 1,515,551; Nov. 11.
 Fuel and air mixer. E. W. Puffer. 1,515,408; Nov. 11.
 Fuel, Making motor. K. P. McElroy. 1,514,977; Nov. 11.
 Funnel support and receptacle cover, Combined. J. C. Ashton. 1,515,537; Nov. 11.
 Furnace: See—
 Blast furnace. Glass-drawing furnace.
 Electric furnace. Reduction furnace.
 Enameling furnace.
 Furnace attachment. J. W. Craig. Des. 65,962; Nov. 11.
 Furnace control. L. J. Hess and M. G. Benjamin. 1,515,044; Nov. 11.
 Furnace lining and making the same. F. J. Tone. 1,515,375; Nov. 11.
 Furnace or leer, Electrically-heated. E. E. Milner. 1,515,511; Nov. 11.
 Furnace ports, Construction of open-hearth. G. L. Danforth, Jr. 1,515,462; Nov. 11.
 Furnace protection. L. W. Gerhardt. 1,515,027; Nov. 11.
 Furnaces, Apparatus for obtaining improved combustion in. C. A. Kellogg and J. L. Schueler. 1,514,911; Nov. 11.
 Furnaces, Arrangement for supplying heated air to. W. H. Owen. 1,514,785; Nov. 11.
 Furnaces, Control for heating. A. Wood. 1,514,946; Nov. 11.
 Furnaces, Igniting blast. F. H. N. Gerwig. 1,514,849; Nov. 11.
 Furnaces, Regulating device for electric. J. Kelleher. 1,515,492; Nov. 11.
 Furniture, Blas. E. G. Babb. 1,514,683; Nov. 11.
 Furniture brace. C. M. Deadwyler. 1,514,836; Nov. 11.
 Fuse indicator. E. W. Werden. 1,514,642; Nov. 11.
 Game, Card. R. W. Reece. 1,515,170; Nov. 11.
 Games, Device for teaching card. A. A. Austin. 1,514,823; Nov. 11.
 Garage-door-opening mechanism. E. J. Huntmer. 1,515,253; Nov. 11.
 Garment. H. Feldman. 1,515,020; Nov. 11.
 Garment hanger. C. R. Normandy. 1,514,987; Nov. 11.
 Garment hanger. J. D. Park. 1,515,520; Nov. 11.
 Garter. S. A. Eddins. 1,515,468; Nov. 11.
 Garter. G. E. Prentice. 1,514,726; Nov. 11.
 Gas burner. L. Kirschmann. 1,514,707; Nov. 11.
 Gas burner. T. A. Ronstrom. 1,515,172; Nov. 11.
 Gas producers, Grate for. R. Daac. 1,515,585; Nov. 11.
 Gas, Purifying combustible. R. L. Brown and W. W. Odell. 1,514,889; Nov. 11.
 Gasket, Atomizing. W. Broschelt. 1,515,455; Nov. 11.
 Gate: See—
 Tail gate.
 Gate adjuster. K. A. Casey. 1,514,830; Nov. 11.
 Gauge: See—
 Butt gauge. Scribe gauge.
 Oil gauge.
 Gear-cutting machine. F. Burgess. 1,514,651; Nov. 11.
 Gear-grinding apparatus. C. H. Schurr. 1,515,281; Nov. 11.
 Gear shift. E. B. Hinds. 1,515,045; Nov. 11.
 Gear-shifting apparatus. M. W. Gelette. 1,515,575; Nov. 11.
 Gear-shifting mechanism. G. W. Woodward. 1,515,236; Nov. 11.
 Gear, Variable-speed. W. S. F. Brown. 1,514,601; Nov. 11.
 Gear, Vehicle driving. C. E. Starr. 1,514,872; Nov. 11.
 Gearing, Connecting. A. Taub. 1,514,938; Nov. 11.
 Glass, Apparatus for making continuous sheet. J. P. Crowley. 1,514,933; Nov. 11.
 Glass-cutting machine. A. L. Mayer. 1,515,129; Nov. 11.
 Glass-drawing furnace, Sheet. E. F. Ferngren. 1,515,021; Nov. 11.
 Glass in continuous sheets, Manufacture of. E. Rowart. 1,515,174; Nov. 11.
 Glass molds and the like, Device for making. P. Kucera. 1,515,347; Nov. 11.
 Glass plates, Method and apparatus for the manufacture of. F. L. O. Wadsworth. 1,515,450; Nov. 11.
 Globe, Illuminated. A. S. Alexander. 1,515,135; Nov. 11.
 Globes, Holder for. A. J. D. Ohm. 1,514,784; Nov. 11.
 Goggles. C. V. Hopkins. 1,515,389; Nov. 11.
 Golf club. P. E. Dutcher. 1,514,958; Nov. 11.
 Golf club. E. L. Hubbard. 1,515,390; Nov. 11.
 Grading excavator. E. L. Coble. 1,515,459; Nov. 11.
 Grain-heading machine. A. M. Strachan. 1,515,229; Nov. 11.
 Grain product and manufacture. F. W. Graff. 1,515,108; Nov. 11.
 Grain shaker. A. P. Lofstrand. 1,515,396; Nov. 11.
 Grease cup. G. H. Sands. 1,514,674; Nov. 11.
 Greasing device, Pressure. G. A. Frauenfelder. 1,515,026; Nov. 11.
 Grinding machine. G. W. Fleming and R. W. Ellingham. 1,515,568; Nov. 11.
 Grindstone-truing device. A. Sepulveda. 1,515,225; Nov. 11.
 Hair clipper. E. A. Vetter. 1,515,422; Nov. 11.
 Hair-curling device. J. C. Doran. 1,514,957; Nov. 11.
 Hair net. M. A. Oppenheimer. 1,515,357; Nov. 11.
 Hammock. S. Matsusaki. 1,515,263; Nov. 11.
 Hand bag. M. Sitney. 1,514,996; Nov. 11.
 Handle: See—
 Saw handle.
 Handle. M. White. 1,515,291; Nov. 11.
 Handle construction, Rotatable. H. E. Norwood. 1,515,164; Nov. 11.
 Hanger: See—
 Clothes hanger. Suit hanger.
 Garment hanger.
 Harmonics of alternating currents, Producing. E. O. Scriven. 1,514,735; Nov. 11.
 Harness. D. L. Millsap. 1,514,919; Nov. 11.
 Harvester and busker, Corn. A. Smith. 1,515,226; Nov. 11.
 Hawk. J. Heald. 1,515,437; Nov. 11.
 Haystacker. J. A. McKinley. 1,515,351; Nov. 11.
 Headlight. J. A. and G. Darsie. 1,515,095; Nov. 11.
 Headlight, Dirigible. J. Glennon. 1,515,105; Nov. 11.
 Headlight, Electric. J. Teipel. 1,514,637; Nov. 11.
 Headlight for automobiles, Dirigible. J. Nemeth. 1,515,399; Nov. 11.
 Headlight for motor vehicles. A. Solosabal, L. G. Rippey, and F. Thurber. 1,514,868; Nov. 11.
 Headlight-supporting bracket. A. Solosabal and L. G. Rippey. 1,514,867; Nov. 11.
 Headlight, Dimming apparatus for. H. M. Smith. 1,515,371; Nov. 11.
 Headlight, Dirigible mechanism for. A. Solosabal. 1,514,869; Nov. 11.
 Heat exchanger. C. F. Suter. 1,514,877; Nov. 11.
 Heat-generating appliance, Electric. A. Pritzker. 1,514,628; Nov. 11.
 Heater: See—
 Automobile heater. Tire heater.
 Railway-switch heater.
 Heaters, Grate apparatus for water. M. C. Gillett. 1,515,028; Nov. 11.
 Heating and ventilating and apparatus therefor. E. A. Briner. 1,514,600; Nov. 11.
 Heating apparatus, Electric. J. Lightfoot. 1,515,261; Nov. 11.
 Heating device, Electric. H. C. Maul. 1,515,808; Nov. 11.
 Heating unit, Electric. E. E. Sutherland. 1,515,231; Nov. 11.
 Heel-broad trimming and finishing machine, Automatic. J. B. Hladaway. 1,514,615; Nov. 11.
 Heel, Resilient. M. D. Goldman and H. A. Golden. 1,514,692; Nov. 11.
 Hills, Apparatus for grading. H. C. Bailey. 1,514,644; Nov. 11.
 Hinge, Bag-frame. W. A. Lotz. 1,514,917; Nov. 11.
 Hoisting clamp. H. Monnich. 1,514,983; Nov. 11.
 Hole closure. H. F. Starrett. 1,515,317; Nov. 11.
 Hook: See—
 Cargo-hook. Dobby hook.
 Hook-and-eye attachment. W. H. Hart, Jr. 1,515,304; Nov. 11.
 Horseshoe bars, Shaping rolls for. L. T. Page. 1,515,858; Nov. 11.
 Hosier, Knitting. P. P. La Montagne. 1,514,623; Nov. 11.
 Humidification of air, Apparatus for. H. W. Jordan. 1,515,490; Nov. 11.
 Hydrocarbon burner. M. Bogre. 1,515,295; Nov. 11.
 Hydrometer. C. F. Kettering. 1,514,970; Nov. 11.
 Hydroplane boat. G. Grenier. 1,514,695; Nov. 11.
 Ice-cream-brick cutter. A. F. Gantz. 1,514,848; Nov. 11.
 Ice-cream cabinet. P. H. Lewis. 1,515,501; Nov. 11.
 Igniter, Nonelectric. F. Enssle. 1,515,562; Nov. 11.
 Ignition system, Interrupter mechanism for. A. Rosner. 1,515,366; Nov. 11.
 Incubator tray, Egg-turning. J. N. Kiser. 1,514,856; Nov. 11.
 Indicator: See—
 Automobile direction indi- Fuse indicator.
 cator. Station indicator.
 Indicator. W. H. Keys. 1,515,122; Nov. 11.

Induction motor. J. B. Gury and R. H. E. Schlecht. 1,515,475; Nov. 11.
 Ingot mold. A. E. Abel. 1,515,320; Nov. 11.
 Ingot mold and method of casting. E. H. Williams. 1,515,319; Nov. 11.
 Inhaler. W. C. K. Buchanan. 1,514,890; Nov. 11.
 Ink. H. Kruse. 1,515,123; Nov. 11.
 Inkwell. C. C. Fraser and J. A. Goss. 1,514,610; Nov. 11.
 Insect catcher. L. C. Miller. 1,515,158; Nov. 11.
 Insect trap. J. T. Cumble. 1,515,094; Nov. 11.
 Insect trap. Mechanical. J. C. Christiansen. 1,515,296; Nov. 11.
 Insulated tubes, Making. F. F. Lucas. 1,514,708; Nov. 11.
 Insulator connector. G. M. Eaton. 1,515,193; Nov. 11.
 Internal-combustion engine. K. O. Keller. 1,515,391; Nov. 11.
 Internal-combustion engine. E. McIntosh. 1,514,710; Nov. 11.
 Internal-combustion engine. C. A. Skärlund. 1,515,523; Nov. 11.
 Internal-combustion engine. H. C. Well. 1,515,529; Nov. 11.
 Iron: See—
 Electrical laundry iron.
 Iron for malleable castings, Preparing. F. T. Kennedy. 1,514,664; Nov. 11.
 Ironing board. R. J. McJohn. 1,515,505; Nov. 11.
 Ironing machine. B. W. Brockett. 1,514,888; Nov. 11.
 Ironing machine. T. N. Brown. 1,515,545; Nov. 11.
 Ironing machine. C. E. Reddig. 1,514,727; Nov. 11.
 Ironing machine. E. L. York. 1,515,379; Nov. 11.
 Jack: See—
 Lifting jack.
 Jack. A. E. Carlson. 1,514,803; Nov. 11.
 Jar. H. H. Ordung. 1,514,988; Nov. 11.
 Jewel box. G. H. Nevius. Des. 65,975; Nov. 11.
 Joint: See—
 Bumper-bar joint. Universal joint.
 Kiln accessory. F. T. Kelleher and S. R. Brown. 1,515,214; Nov. 11.
 Kiln, Drying. J. F. Cobb. 1,515,431; Nov. 11.
 Kraut press. J. Glanschnig. 1,514,761; Nov. 11.
 Label-printing machine. P. Dietz. 1,515,342; Nov. 11.
 Laminated products, Machine for use in making. D. Parks. 1,514,719; Nov. 11.
 Lamp, Automobile. C. A. Michel. 1,515,156; Nov. 11.
 Lamp casing, Vehicle signal. R. A. Finis. Des. 65,965; Nov. 11.
 Lamp, Combined parking and stop. E. D. Moreton. 1,514,921; Nov. 11.
 Lamp, Electric. W. W. and L. T. Roberts. 1,515,221; Nov. 11.
 Lamp, Parking. C. E. Godlev. 1,514,960; Nov. 11.
 Lamp shade. D. Revam. 1,514,729; Nov. 11.
 Lamp, Signal. Z. Olsson. 1,514,717; Nov. 11.
 Lanterns, Heating device for gasoline. R. T. Grady. 1,515,030; Nov. 11.
 Lanterns, Vapor feed for gasoline. R. T. Brady. 1,515,031; Nov. 11.
 Lasting apparatus. E. Brothers. 1,515,008; Nov. 11.
 Leaders, Tubular cheek piece for loose-leaf. J. Schade. 1,514,734; Nov. 11.
 Level, Spirit. H. J. Cook. 1,515,239; Nov. 11.
 Lifeboat-releasing device. G. W. P. Overman. 1,515,517; Nov. 11.
 Lifter: See—
 Pan lifter. Valve lifter.
 Lifting jack. S. Sorenson. 1,514,739; Nov. 11.
 Light: See—
 Side light. Tail light.
 Lighting purposes, Fitting for. H. T. Harrison. 1,514,616; Nov. 11.
 Lightning arrester. J. A. Schermerhorn. 1,515,074; Nov. 11.
 Line-take-up device. A. C. Smith. 1,515,418; Nov. 11.
 Link-mesh machine. O. Soderstrom and F. H. Lynds. 1,514,635; Nov. 11.
 Liquid-dispensing device. E. U. Danenbower. 1,514,834; Nov. 11.
 Lithium salts or metallic lithium, Obtaining. C. von Gluswald and H. Weldmann. 1,515,001; Nov. 11.
 Lock: See—
 Automobile combination lock. Door lock.
 Window lock. Window-sash lock.
 Lock. W. R. Hoyt. 1,515,252; Nov. 11.
 Lock. J. B. Jensen. 1,515,254; Nov. 11.
 Lock. C. Ledin. 1,515,259; Nov. 11.
 Lock. M. C. Maxwell and C. Ledin. 1,515,264; Nov. 11.
 Lock. M. F. Ryan. 1,515,278; Nov. 11.
 Locks, Device for. L. Olivero. 1,514,922; Nov. 11.
 Locking device. H. Hopf. 1,515,486; Nov. 11.
 Locking means. H. F. George. 1,515,362; Nov. 11.
 Locomotive boiler. J. J. Cain. 1,514,685; Nov. 11.
 Locomotive-cab window. G. David. 1,515,241; Nov. 11.
 Locomotive girder. N. W. Storer. 1,515,228; Nov. 11.
 Locomotive sanding apparatus. M. J. Fowler. 1,515,571; Nov. 11.
 Locomotive whistle and mounting. A. L. Foley. 1,515,471; Nov. 11.
 Loom for weaving narrow wire fabric. A. J. Chevette. 1,514,951; Nov. 11.

Looms, Device for introducing the wool by means of a gripping contrivance in. J. Gabler. 1,515,102; Nov. 11.
 Looms, Filling-cutting mechanism for shifting-shuttle-box. E. A. Cunliff. 1,514,603; Nov. 11.
 Looms, Picking arm for. W. M. Wattle. 1,514,941; Nov. 11.
 Looms, Take-up mechanism for narrow-ware. E. R. Holmes. 1,514,967; Nov. 11.
 Looms, Thread-cutting temple for. H. A. Davis. 1,514,604; Nov. 11.
 Looms, Thread-cutting temple for. E. S. Stimpson. 1,514,636; Nov. 11.
 Lubricating device. P. H. Gaskins. 1,515,196; Nov. 11.
 Lubricator. J. J. Hennessy. 1,514,855; Nov. 11.
 Magnetos, Recharging device for. C. A. Lee. 1,515,500; Nov. 11.
 Mallet. G. F. Cullen. 1,515,189; Nov. 11.
 Manger and feed box, Combination. G. H. Ward. 1,515,451; Nov. 11.
 Marking instrument. C. P. Jensen. 1,515,050; Nov. 11.
 Mat: See—
 Running-board mat.
 Measure, Precision interpupillary and bridge. W. H. Oldach. 1,515,516; Nov. 11.
 Measuring cream in milk bottles, Gauge for. W. H. Marcussen. 1,515,398; Nov. 11.
 Measuring device. T. D. Yensen. 1,515,237; Nov. 11.
 Mechanical telephone switching system. F. M. Slough. 1,515,370; Nov. 11.
 Memorial. J. D. Kennedy. 1,514,619; Nov. 11.
 Mercerization of yarns in bank form. J. F. Copley. 1,514,833; Nov. 11.
 Merchandise-handling apparatus. G. A. Johnston and F. A. Boales. 1,514,769; Nov. 11.
 Mercury salts of complex organic bismuth acids and the products obtainable therefrom, Preparing. W. Kolle, H. Bauer, and E. Maschmann. 1,515,495; Nov. 11.
 Metal, Apparatus for compressing scrap. L. S. Tennenbaum and I. Freitag. 1,515,318; Nov. 11.
 Metal fabric. I. R. Lederer. 1,515,056; Nov. 11.
 Metal furring. C. Gilmore. 1,514,912; Nov. 11.
 Metal machine, Expanded. L. E. Curtis and J. Manofsky. 1,515,190; Nov. 11.
 Metal-working machine. B. M. W. Hanson. 1,515,039; Nov. 11.
 Milling cutter. A. H. Lyon. 1,514,709; Nov. 11.
 Mine and other explosive charge for submarine use, Submarine. H. J. Taylor. 1,514,743; Nov. 11.
 Mine cages and lifts, Safety suspending apparatus for. S. Webb and H. C. Guest. 1,515,452; Nov. 11.
 Mine, depth charge and other explosive bodies for submarine use, Submarine. R. A. Sturgeon. 1,514,741; Nov. 11.
 Mine, Submarine. G. E. Ella. 1,515,194-5; Nov. 11.
 Mineral separator. R. M. Tweedy. 1,514,807; Nov. 11.
 Mirror. G. A. Tompkins. Des. 65,982; Nov. 11.
 Mixer: See—
 Fuel and air mixer.
 Mold: See—
 Collapsible mold. Suction mold.
 Ingot mold.
 Molding boxes, Shaking or oscillating device for. J. Cash. 1,515,339; Nov. 11.
 Molding machine. E. A. Watkins. 1,515,002; Nov. 11.
 Molding plastic materials, Apparatus for. D. S. Landstra. 1,515,125; Nov. 11.
 Molding press. J. W. Bishop. 1,515,540; Nov. 11.
 Molybdates, Producing. A. Klusock. 1,514,972; Nov. 11.
 Mop, Dust. W. H. Plunkett. 1,514,990; Nov. 11.
 Mop or swab, Fountain. W. R. Knox. 1,515,494; Nov. 11.
 Motor: See—
 Induction motor.
 Motor-control system. R. E. De Camp. 1,515,191; Nov. 11.
 Motor-control system. G. W. Huey. 1,515,205; Nov. 11.
 Motor-control system. G. E. King. 1,515,215; Nov. 11.
 Motor suspension. V. O. Ellis. 1,514,607; Nov. 11.
 Mounting. F. C. Medick. 1,515,508; Nov. 11.
 Muffler. H. Andresen. 1,515,323; Nov. 11.
 Muffler. C. H. De Lancy. 1,515,463; Nov. 11.
 Muffler. C. Tasso and H. B. Daly. 1,514,805; Nov. 11.
 Muscle-stimulating electric device. R. H. Wappler. 1,514,746; Nov. 11.
 Nail puller and wrecking bar, Hammer-action. J. Butler. 1,515,142; Nov. 11.
 Napkin dispenser and menu holder. W. L. Baker. 1,515,238; Nov. 11.
 Neckwear clip. W. H. Hart, Jr. 1,515,303; Nov. 11.
 Nipples upon bottles, Clamp for holding. J. R. Range. 1,514,790; Nov. 11.
 Nonskid chain. J. Bloom. 1,515,541; Nov. 11.
 Nozzle, Hose. C. Spaeth. 1,514,870; Nov. 11.
 Nut lock. J. W. Smith and J. W. Carson. 1,515,179; Nov. 11.
 Nuts, Apparatus for stamping or branding. R. R. Eastin. 1,515,561; Nov. 11.
 Oil and gas, Separator for crude. T. Lennox. 1,515,126; Nov. 11.
 Oil and grease barrel, Combined. J. H. Lambert. 1,515,218; Nov. 11.
 Oil burner. C. R. Hopkins. 1,515,388; Nov. 11.
 Oil burner. H. F. Hyman. 1,514,703; Nov. 11.
 Oil burner. J. Schermuly. 1,514,675; Nov. 11.

Oil cup. R. H. Killinger. 1,514,971; Nov. 11.
 Oil-cup cover. S. C. Roey. 1,515,204; Nov. 11.
 Oil, Dehydrating. V. C. Crites and K. A. Wright. 1,515,093; Nov. 11.
 Oil gauge. W. M. Smith. 1,515,524; Nov. 11.
 Oil or other liquid, Container for. K. L. Cox. 1,515,240; Nov. 11.
 Oil strainer. C. Strachan and D. J. Irish. 1,515,080; Nov. 11.
 Oven burner, Hinged. R. H. MacInnes. 1,514,858; Nov. 11.
 Oven-door hinge. C. V. Roberts and K. C. Farnsworth. 1,515,413; Nov. 11.
 Oven doors, Apparatus for removing. J. Becker. 1,515,139; Nov. 11.
 Ovens, Pie-plate holder for baking. E. B. Crawford. 1,515,188; Nov. 11.
 Ozone, Generating. F. E. Hartman. 1,514,964; Nov. 11.
 Package holder. P. L. Fannen. 1,515,469; Nov. 11.
 Packing machine, Fruit and vegetable. D. W. Wadsworth. 1,514,882; Nov. 11.
 Pan lifter. A. L. Benoit. 1,514,825; Nov. 11.
 Panel, Transparent. H. and J. P. Garner. 1,515,573; Nov. 11.
 Paper box. F. J. Root. 1,515,277; Nov. 11.
 Paper-cutting machine. B. F. De Costa. 1,515,013; Nov. 11.
 Paper holder, Roll. J. D. Cheesman. 1,515,382; Nov. 11.
 Paper making and other like purposes, Beating or comminuting or pulping machinery for. H. Arledter. 1,515,423; Nov. 11.
 Paper, Packaging. E. G. Herblin. Des. 65,968; Nov. 11.
 Parting and core compound. R. R. Rosenbaum. 1,514,731; Nov. 11.
 Passenger elevator. F. McArthur. 1,515,059; Nov. 11.
 Paste or the like to paper, Applying. B. Selby. Re15,945; Nov. 11.
 Pasting machine. C. C. Miles. 1,515,265; Nov. 11.
 Penell. G. W. Heath. 1,514,965; Nov. 11.
 Phase converter with power-factor correction, Balanced. R. E. Hellmund. 1,515,200; Nov. 11.
 Phonograph transmitting reproducer. O. E. Helberg. 1,515,110; Nov. 11.
 Photographic purposes, Ascertaining the actinic value of light for. E. G. Kesling. 1,504,665; Nov. 11.
 Photomechanical transfers, Manufacture of copying folios for. E. Seyffert. 1,514,677; Nov. 11.
 Piano playing, Device for teaching. A. J. Ohlsen. 1,515,403; Nov. 11.
 Planos, Manufacturing. F. G. Ernst. 1,514,840; Nov. 11.
 Piston. G. Bowmar. 1,515,543; Nov. 11.
 Piston and piston ring. S. N. North. 1,514,783; Nov. 11.
 Piston ring. H. Ford. 1,515,246; Nov. 11.
 Piston rings, Making. H. S. Frank. 1,515,472; Nov. 11.
 Piston, Self-lubricating. W. A. Shallenberg. 1,515,077; Nov. 11.
 Plant product, Decorative. R. L. Johnston. 1,515,053; Nov. 11.
 Planters, Cutter and feeder for potato. C. Jenkins. 1,515,049; Nov. 11.
 Planting, Spreading or sowing machine for vegetative. H. C. Toomey. 1,515,181; Nov. 11.
 Plaster-block-scaring device. G. H. A. Ruby. 1,514,631; Nov. 11.
 Plaster blocks, Roughing device for. G. H. A. Ruby. 1,514,632; Nov. 11.
 Plaster board. C. R. Birdsey. 1,515,380; Nov. 11.
 Plaster board, Apparatus for constructing. C. R. Birdsey. 1,514,827; Nov. 11.
 Plaster-board-handling apparatus. J. F. Makowski. 1,515,397; Nov. 11.
 Plastic materials, Apparatus for and method of mixing. J. G. and J. H. Moomy. 1,514,671; Nov. 11.
 Plate or similar article. G. Ellis. Des. 65,964; Nov. 11.
 Platter, Serving. A. E. Hobson. Des. 65,969; Nov. 11.
 Player action. J. P. Hinder. 1,514,702; Nov. 11.
 Plow. L. J. Priebsch. 1,515,274; Nov. 11.
 Plow and subsoiler. C. L. Comer. 1,514,656; Nov. 11.
 Plow attachment. G. L. and W. F. Nobles. 1,514,782; Nov. 11.
 Plug reverse switch, Automatic. G. H. Whittingham. 1,515,232; Nov. 11.
 Pole, Metallic folding. D. E. Dore. 1,515,466; Nov. 11.
 Pool-table pocket guard. E. Hamblin, Jr. 1,514,963; Nov. 11.
 Positioning materials. W. R. Myers. 1,514,985; Nov. 11.
 Postage-meter machines, Job-printing attachment for. A. H. Pitney. 1,515,359; Nov. 11.
 Power transmission. J. Ferris. 1,515,300; Nov. 11.
 Power transmitter, Movable. J. Cunningham. 1,514,687; Nov. 11.
 Power-transmitting device. W. H. Kadosch. 1,515,054; Nov. 11.
 Press: See—
 Kraut press. Molding press.
 Presses, Creasers, and the like, Sheet-handling mechanism for. E. Frey. 1,515,572; Nov. 11.
 Presses, Inking mechanism for printing. R. S. Tyler and H. McGeorge. 1,515,448; Nov. 11.
 Pressing machine. L. Hoffman. 1,514,906; Nov. 11.
 Printing machines, Inking device for. W. H. Rees. 1,514,991; Nov. 11.

Printing-press flies, Attachment for. J. La Scala. 1,515,498; Nov. 11.
 Propeller. G. W. Morrow. 1,515,268; Nov. 11.
 Puller: See—
 Weed puller. Wheel puller.
 Pulley remover. W. R. E. Smith. 1,515,445; Nov. 11.
 Pulling-over machine. J. Gouldbourn and W. T. Minett. 1,514,614; Nov. 11.
 Pulverizing and nebulizing apparatus. P. Corti. 1,514,952; Nov. 11.
 Pump, Oil. W. H. Koehler and J. R. Crouch. 1,515,973; Nov. 11.
 Pump oil can, Force. E. B. Stelter. 1,515,446; Nov. 11.
 Pump-operating means. N. Fellabaum. 1,515,099; Nov. 11.
 Pump, Rotary. L. Dinesen. 1,515,192; Nov. 11.
 Pump, Rotary. J. C. Packard. 1,515,269; Nov. 11.
 Push rod. A. B. Joy. 1,515,344; Nov. 11.
 Quick-adjustable clamp. H. M. Svebilus. 1,515,286; Nov. 11.
 Quick-release fastener. N. Ritter. 1,515,412; Nov. 11.
 Rack. B. M. Lindhe. 1,515,058; Nov. 11.
 Radiators, Automatic heat controller for. W. E. Roys. 1,514,933; Nov. 11.
 Radiophone and phonograph, Combined. R. G. French. 1,514,897; Nov. 11.
 Radio receiving and transmitting system. M. W. Haub. 1,514,661; Nov. 11.
 Radiosignals, Receiving. P. I. Wold. 1,514,752; Nov. 11.
 Radio system, Directive. R. Bown. 1,514,648; Nov. 11.
 Radio transmission system. J. Reibenod. 1,515,331; Nov. 11.
 Rail joint and seat, Combined. J. C. Reamer. 1,515,409; Nov. 11.
 Railway-crossing signal. J. Laube. 1,514,914; Nov. 11.
 Railway superstructure. R. Scheibe. 1,515,367; Nov. 11.
 Railway-switch heater. I. C. Popper. Re15,948; Nov. 11.
 Railway switch, Safety. T. H. Fosdyck. 1,515,569; Nov. 11.
 Railway-traffic-controlling apparatus. J. P. Coleman. 1,515,640; Nov. 11.
 Railway trains, Communication system for. L. de Forest. 1,515,152; Nov. 11.
 Railways, tramways, and the like, Platform or skid plate for use with light. L. L. Mathew. 1,514,669; Nov. 11.
 Range, Gas. J. C. Olsen, Jr. 1,515,067; Nov. 11.
 Rat trap. J. Kilchar. 1,514,770; Nov. 11.
 Rate of flow controller. C. W. Larner. 1,514,975; Nov. 11.
 Razor-blade container. J. H. Young. 1,514,754; Nov. 11.
 Reamer. C. E. Browne. 1,515,430; Nov. 11.
 Reamer. C. C. Jack. 1,514,704; Nov. 11.
 Receptacle. E. J. Cotter. 1,515,011; Nov. 11.
 Reciprocating impact tool. D. H. Lamar. 1,515,497; Nov. 11.
 Record board, Graphic control. W. C. Brinton. 1,514,829; Nov. 11.
 Recuperator. G. D. Mantle. 1,515,352; Nov. 11.
 Reduction furnace. L. Waldo. 1,515,185; Nov. 11.
 Reel: See—
 Tapeline reel.
 Refrigerating apparatus. H. B. Hull. 1,514,968; Nov. 11.
 Refrigerating apparatus. E. P. Oswald. 1,515,165; Nov. 11.
 Refrigerating device. W. S. Josephson. 1,515,119; Nov. 11.
 Register mechanism and operating the same. W. J. Crumpton. 1,514,954; Nov. 11.
 Regulator: See—
 Automatic regulator. Temperature regulator.
 Relay and casing therefor. G. W. Huey. 1,515,206; Nov. 11.
 Resin, Producing. A. E. Roberts. 1,515,315; Nov. 11.
 Reversing control, Automatic. G. S. Van Norman. 1,514,881; Nov. 11.
 Reversing mechanism. C. E. Reddig. 1,514,728; Nov. 11.
 Revolving doors and the like, Speed control for. F. L. Gormley. 1,514,851; Nov. 11.
 Ribbon-bracelet clasp. G. D. Harrison. 1,515,479; Nov. 11.
 Rim, Demountable. O. B. Bachman. 1,515,538; Nov. 11.
 Rims, Apparatus for contracting and expanding demountable. M. R. Staven. 1,514,997; Nov. 11.
 Rims, Demountable. C. S. Morse. 1,515,160; Nov. 11.
 Ring: See—
 Piston ring. Umbrella-strap ring.
 Towel ring.
 Rings, Expander for finger. N. R. Fellencer. 1,515,563; Nov. 11.
 Road-grading device. L. S. Burns and F. D. Wilson. 1,515,457; Nov. 11.
 Road-grading machine. J. H. Flatley. 1,514,846; Nov. 11.
 Roaster: See—
 Coffee roaster.
 Rod: See—
 Connecting rod. Push rod.
 Rotary tool, Portable. A. M. Pooley. 1,515,169; Nov. 11.
 Routing and profiling machine, Portable. R. L. Carter. 1,514,894; Nov. 11.
 Rubber articles, Method and apparatus for vulcanizing sponge. J. O. Goodwin. 1,515,475; Nov. 11.
 Rule, Folding. R. Katolin. 1,515,055; Nov. 11.
 Running-board mat. E. N. Vose. 1,515,449; Nov. 11.

Salt and pepper shaker, Combination. H. B. Moriarty. 1,515,513; Nov. 11.
Sanding device, Track. F. A. Day. 1,515,554; Nov. 11.
Sash lock, Window. J. T. Powers. 1,514,927; Nov. 11.
Saw, Combination. L. J. Rothbauer. 1,515,071; Nov. 11.
Saw handle. H. D. Kelly. 1,515,493; Nov. 11.
Scale, Weighing. H. S. Bergen. 1,514,826; Nov. 11.
Screen: See—
Flume screen.
Stereoscopic projection screen.
Screw-driving machine. J. C. Foy. 1,515,025; Nov. 11.
Scribe gauge. A. Leatherman. 1,514,916; Nov. 11.
Seat attachment, Folding. B. L. Field. 1,515,564; Nov. 11.
Seed drill. B. S. Harris. 1,514,700; Nov. 11.
Selector. A. H. Reiber. 1,514,792; Nov. 11.
Separator. A. Laukhuff. 1,514,915; Nov. 11.
Separators, Spindle coupling for centrifugal. J. B. McFadden. 1,515,060; Nov. 11.
Sewing machine, Blindstitch. C. W. Mueller. 1,514,713; Nov. 11.
Sewing-machine winding attachment. M. Alderman and G. H. Edwards. 1,515,294; Nov. 11.
Sewing machines, Attachment for. P. Pagac. 1,515,519; Nov. 11.
Sewing machines, Controlling device for motor-driven. F. Diehl. 1,514,605; Nov. 11.
Sewing machines, Stitch-forming mechanism for. A. F. Field. 1,514,609; Nov. 11.
Shade fastening. S. Hartshorn. 1,515,040; Nov. 11.
Shaft. T. E. Murray and T. E. Murray, Jr. 1,515,162; Nov. 11.
Shapes, Rolling. P. A. Schulz. 1,515,075; Nov. 11.
Sharpening device. A. Haas. 1,515,036; Nov. 11.
Shears: See—
Animal shears.
Shears, Animal. H. Kocourek. 1,514,620; Nov. 11.
Sheet-feeding device. J. E. Woodbury. 1,514,947; Nov. 11.
Sheet-metal receptacles having a wireless hinged joint between the body and lid. Mechanism for the production of. G. W. Berry. 1,514,599; Nov. 11.
Sheets, Machine for gathering multiple. C. L. Ray. 1,514,929; Nov. 11.
Shelf and ladder construction, Store. B. K. Traylor. 1,515,430; Nov. 11.
Shelf-supporting bracket. O. A. Rankin. 1,515,442; Nov. 11.
Shock absorber and snubber, Combined suspension. B. F. Seymour. 1,514,706; Nov. 11.
Shock-absorbing mechanism. W. E. Symons. 1,514,879; Nov. 11.
Shoe. F. S. Gorman. 1,515,198; Nov. 11.
Shoe and making the same. T. H. Seely. 1,514,634; Nov. 11.
Shoe attachment. L. S. Baluta. 1,515,086; Nov. 11.
Shoe finishing and ornamenting tool. A. Dobry. 1,515,465; Nov. 11.
Shoe ornament. G. C. Kennedy. 1,514,706; Nov. 11.
Shoes, Socket plate for. G. Bell. 1,515,330; Nov. 11.
Shovel: See—
Elevating shovel.
Shovel. C. W. Ladd. 1,514,974; Nov. 11.
Shuttle motion, Double. W. M. Wattle. 1,514,940; Nov. 11.
Side light. C. E. Godley. 1,514,959; Nov. 11.
Siding and shingle strip for building purposes. P. P. Weltv. 1,515,530; Nov. 11.
Sign, Illuminated traffic. A. Ely. 1,514,608; Nov. 11.
Signal: See—
Electric signal. Vehicle signal.
Railway-crossing signal. Warning signal.
Signal-receiving system. P. I. Wold. 1,514,753; Nov. 11.
Silk and the like, Manufacture of artificial. W. P. Drepper. 1,515,556; Nov. 11.
Sink trap. A. Savard. 1,515,073; Nov. 11.
Sintering apparatus, Igniter car for. T. J. Davis and J. W. Forsythe. 1,515,096; Nov. 11.
Skins, Apparatus for drying. A. H. Schmidt. 1,514,935; Nov. 11.
Skirt marker. R. Wasserman. 1,514,808; Nov. 11.
Sled and box, Combined. A. Peterson. 1,515,405; Nov. 11.
Sleeping compartment. F. Gentzke. 1,515,576; Nov. 11.
Slicing apparatus. C. F. Downs. 1,515,014; Nov. 11.
Slug-vending machine. F. L. Beane. 1,514,598; Nov. 11.
Snow remover. W. P. Cummings. 1,515,553; Nov. 11.
Snuff dipper. W. J. Thompson. 1,515,060; Nov. 11.
Soda holders, Liner for sanitary. D. F. Curtin. 1,515,151; Nov. 11.
Sole-pressing machine. H. D. Elliott. 1,514,606; Nov. 11.
Soles, Machine for operating on boot and shoe. C. B. Spalsbury. 1,515,132; Nov. 11.
Sound-producing device. L. J. Grubman. 1,515,477; Nov. 11.
Spark arrester. J. R. Dittbrenner. 1,514,956; Nov. 11.
Spark plug. J. T. Littleton, Jr. 1,514,668; Nov. 11.
Spark plug and manufacturing the same. F. M. Furber. 1,515,243; Nov. 11.
Spark-plug electrodes, Terminal connection for. H. Rabaszana. 1,514,928; Nov. 11.
Spectacle case. S. J. Taylor. 1,515,180; Nov. 11.
Spectacles, Eye-protector attachment for. F. Willson and H. F. Shindel. 1,514,943; Nov. 11.
Speed-regulator system. S. A. Staeger. 1,515,227; Nov. 11.
Speed transmission, Change. G. J. Snyder. 1,514,738; Nov. 11.
Spindle. F. E. Mueller. 1,515,161; Nov. 11.
Spinning frames, Stop motion for. R. Burgess. 1,515,141; Nov. 11.
Spool and bobbin, Textile. H. D. Clinton. 1,515,148; Nov. 11.
Spot light. A. E. Wolter. 1,515,005; Nov. 11.
Spout, Pouring. J. H. Lambert. 1,515,219; Nov. 11.
Sprink. E. Kreissig. 1,515,346; Nov. 11.
Sprinkler head. A. J. Loepsinger. 1,515,941; Nov. 11.
Stanchion, Cattle. J. A. Stock. 1,515,527; Nov. 11.
Stand: See—
Cup stand. Thread stand.
Display stand.
Starting device. R. Chilton. 1,514,832; Nov. 11.
Station indicator. E. H. Georgia. 1,515,433; Nov. 11.
Statue. R. C. Lafferty. Des. 65,971; Nov. 11.
Statuette. F. D. Swaney. Des. 65,981; Nov. 11.
Steam engine. J. C. Williams. 1,515,378; Nov. 11.
Steering device. E. B. Roth. 1,515,416; Nov. 11.
Steering gear. A. Flettner. 1,515,024; Nov. 11.
Steering mechanism. C. E. Barnes. 1,515,087; Nov. 11.
Stepladder, Extension. E. Cardarelli. 1,515,010; Nov. 11.
Stereoscopic motion-picture projector. C. Boulin. 1,515,428-9; Nov. 11.
Stereoscopic projection screen. C. Boulin. 1,515,427; Nov. 11.
Stereoscopic range finder. A. Barr and W. Stroud. 1,514,948; Nov. 11.
Stereotype-plate-casting machine. E. J. Smith. 1,514,802; Nov. 11.
Stereotype-plate-casting machine. O. Wohlrabe and V. Stephan. 1,515,084; Nov. 11.
Stereotype-plate-casting mechanism. E. J. Smith. 1,514,801; Nov. 11.
Stereotype-plate-making machine. J. J. Walser. 1,514,744-5; Nov. 11.
Stereotype-plate mechanism. A. A. Henzl. 1,514,765-6; Nov. 11.
Stereotype plates, Machine for casting. M. W. Brueshaber. 1,514,757; Nov. 11.
Stereotype plates, Machine for making. J. D. Morgan. 1,514,779; Nov. 11.
Still scraper. E. Craven. 1,515,552; Nov. 11.
Stock cutter. J. B. White. 1,515,377; Nov. 11.
Stopper: See—
Wall stopper.
Storage battery. J. Sato. 1,515,279; Nov. 11.
Storage battery. T. A. Willard. 1,515,453; Nov. 11.
Storage-battery container. S. Isaacson. 1,515,115; Nov. 11.
Stove. R. C. Cook. 1,515,297; Nov. 11.
Stove. A. Liberman. 1,515,502; Nov. 11.
Stove, Oil. W. K. Kise. 1,514,773; Nov. 11.
Stove, Slow-burning. H. L. Gaddis. 1,515,249; Nov. 11.
Street-traffic system. H. W. Graves. 1,515,251; Nov. 11.
Studding. D. G. Morrison. 1,515,159; Nov. 11.
Stuffing box. F. L. G. Kollmorgen. 1,514,621; Nov. 11.
Suction mold. A. Kadow. 1,514,909; Nov. 11.
Sugar-refining device. P. Hernandez. 1,515,481; Nov. 11.
Sulf hanger. S. Menard. 1,515,509; Nov. 11.
Sulf, Storm. A. L. Cohen. 1,515,149; Nov. 11.
Support. I. J. Thomas. 1,515,447; Nov. 11.
Support. A. L. Woodside. 1,515,534; Nov. 11.
Sweeper. T. H. Bell and J. G. Schoenleber. 1,514,949; Nov. 11.
Swingspot measure. O. N. Wiswell. 1,514,945; Nov. 11.
Swingspot pouring device for containers. O. N. Wiswell. 1,514,944; Nov. 11.
Switch: See—
Automatic switch. Electrical switch.
Coordinate switch. Plug reverse switch.
Electric switch. Railway switch.
Switch. E. H. Jacobs. 1,515,116; Nov. 11.
Switch and connection therefor. Line. F. A. Lundquist and J. A. Kropp. 1,514,625; Nov. 11.
Switch construction. W. F. Hessel. 1,514,905; Nov. 11.
Switching, Automatic station. S. G. Leonard. 1,515,260; Nov. 11.
Switching system. J. C. Field. 1,514,844; Nov. 11.
Switching system. J. B. Harlow. 1,514,854; Nov. 11.
Switching system, Automatic. C. A. Butcher. 1,515,579; Nov. 11.
Table support. B. R. Dexter. 1,515,242; Nov. 11.
Tail gate. J. F. Sweeney. 1,514,878; Nov. 11.
Tail light. A. D. Cardwell. 1,514,653; Nov. 11.
Talking machines and other acoustical instruments, Diaphragm-holding ring for. H. L. T. Buckle. 1,515,456; Nov. 11.
Tapeline reel. J. A. Gilman. 1,514,900-1; Nov. 11.
Tappet. G. R. Rich. 1,515,276; Nov. 11.
Tappet mechanism. H. S. Hewitt. 1,515,201; Nov. 11.
Teakettle. B. P. Wagner. Des. 65,983; Nov. 11.
Telephone-exchange system. C. B. Fowler. 1,514,847; Nov. 11.
Telephone-exchange system. A. Raynsford. 1,514,861; Nov. 11.
Telephone, Pillow. C. H. Draving. 1,515,467; Nov. 11.
Telephone-repeater system, Automatic. W. T. Powell. 1,515,360; Nov. 11.

Telephone system. L. D. Kellogg. 1,515,345; Nov. 11.
Telephone system. H. W. O'Neill. 1,514,718; Nov. 11.
Telephone system, Automatic. W. T. Powell. 1,515,361-2; Nov. 11.
Telephone system, Automatic. W. T. Powell. 1,514,725; Nov. 11.
Telephone system, Machine-switching. G. Deakin. 1,514,837; Nov. 11.
Telescope, Submarine. G. E. Milliken. 1,515,065; Nov. 11.
Temperature regulator. H. A. Hands. 1,515,199; Nov. 11.
Terminal strip. H. H. Ide. 1,514,618; Nov. 11.
Terret fastener. C. H. Grings. 1,515,083; Nov. 11.
Textile fabric. J. S. Boyd. Des. 65,947-57; Nov. 11.
Textile fabric. R. Cocking. Des. 65,959-61; Nov. 11.
Thermionic device. G. L. Gelsay. 1,514,898; Nov. 11.
Thread cutter, Shuttle-feeler. J. Northrop. 1,515,515; Nov. 11.
Thread stand. L. J. Hill. 1,514,767; Nov. 11.
Ticket holder. H. H. Thlesen. 1,514,998; Nov. 11.
Tie-twisting tool. H. B. Foulger. 1,515,470; Nov. 11.
Timer. C. C. Phillips. 1,515,069; Nov. 11.
Timer. H. C. Wilber. 1,515,531; Nov. 11.
Tinsel ornament. W. C. Protz. 1,514,788; Nov. 11.
Tinsel ornament and manufacture therefor. W. C. Protz. 1,514,787; Nov. 11.
Tire. R. E. Beagle. Des. 65,946; Nov. 11.
Tire. C. W. Wolfe. Des. 65,984; Nov. 11.
Tire heater. U. G. B. Updegrave. 1,515,421; Nov. 11.
Tire protector and antiskid device. M. Szpak. 1,515,287; Nov. 11.
Tire tread, Pneumatic. H. S. Berlin. Des. 65,987; Nov. 11.
Tires and wheels, Rim for vehicle. W. A. Shuler. 1,514,864; Nov. 11.
Toilet article. A. A. Banks. 1,515,425; Nov. 11.
Toilet-seat attachment. G. H. Van Arnam. 1,515,583; Nov. 11.
Tongs. E. J. Hamilton. 1,515,038; Nov. 11.
Tool, Compound. D. L. Boyer. 1,515,089; Nov. 11.
Torch, Slotted welding. J. L. Anderson. 1,514,815; Nov. 11.
Torches and the like, Burner for. H. J. Anderson. 1,515,130; Nov. 11.
Torpedoes, etc., Method and apparatus for wireless control for. E. C. Hanson. 1,514,690; Nov. 11.
Towel ring. F. Price. 1,515,273; Nov. 11.
Toy. S. Petersen. 1,515,314; Nov. 11.
Toy. O. D. Willis. 1,515,533; Nov. 11.
Toy, Acrobatic. F. B. Clark. 1,515,146; Nov. 11.
Toy, Captive aeroplane. F. A. Charland. 1,514,602; Nov. 11.
Toy railway starter clock. A. R. Fergusson. 1,515,154; Nov. 11.
Toy, Sounding. J. P. Keegan. 1,515,580; Nov. 11.
Toy, Walking. J. L. Henry. 1,514,966; Nov. 11.
Toy, Wheeled. C. E. Bailey. 1,514,824; Nov. 11.
Toy, Wheeled. P. Myers. Des. 65,974; Nov. 11.
Traction-chain adjuster. E. H. Bishop. 1,515,332; Nov. 11.
Tractor clutch pedals, Hand actuating means for. H. De May. 1,514,838; Nov. 11.
Tractors, Drawbar attachment for. F. J. Silva. 1,514,805; Nov. 11.
Tractors, Power take-off for Fordson. C. R. Sundboom. 1,514,876; Nov. 11.
Transmission. R. Humphries. 1,515,047; Nov. 11.
Transmission band. W. C. Cline. 1,514,895; Nov. 11.
Transmission circuits. J. W. Horton. 1,514,701; Nov. 11.
Transmission, Flexible. B. F. Seymour. 1,514,705; Nov. 11.
Transmission mechanism. R. A. Winchester. 1,514,750; Nov. 11.
Trap: See—
Animal trap. Sink trap.
Insect trap. Rat trap.
Trousers creaser and holder. N. J. Bishop. 1,515,426; Nov. 11.
Trousers creaser and stretcher, Folding. J. J. Sullivan. 1,515,373; Nov. 11.
Truck. H. Barkmann and A. Kutscha. 1,515,327-9; Nov. 11.
Truck swing link. F. L. Alben. 1,515,134; Nov. 11.
Truck-tank bumper. J. P. Hell and A. Borchardt. 1,515,111; Nov. 11.
Trunk, Motor vehicle. F. A. Bigler. 1,514,885; Nov. 11.
Trunk structure. A. Wallace. 1,515,290; Nov. 11.
Tube: See—
Draft or suction tube.
Tube expander, Traveling. G. R. Maupin. 1,514,712; Nov. 11.
Tube-making machines, Tube-ejecting and offtake mechanism for. W. T. Davis. 1,515,383; Nov. 11.
Turbines, Operating gas-steam. H. G. Nissen. 1,515,066; Nov. 11.
Typewriters, Ribbon mechanism for. O. A. Hokanson. 1,515,438; Nov. 11.
Typewriting machine. W. P. Keene. 1,515,213; Nov. 11.
Umbrella-strap ring. E. Grimaldi. 1,514,962; Nov. 11.
Undergarment. N. S. Shahid. 1,514,678; Nov. 11.
Undergarment, Lady's. W. L. Siewers. 1,515,282-3; Nov. 11.
Universal joint. F. A. Whitten. 1,514,942; Nov. 11.
Upper-forming machine. P. Beler. 1,514,756; Nov. 11.
Vacuum cleaner. J. J. Peters. 1,514,723; Nov. 11.
Vacuum cleaner, Electric. G. J. Stringer and L. L. Newcombe. 1,514,875; Nov. 11.
Vacuum-tube oscillator chronometer. P. I. Wold. 1,514,751; Nov. 11.
Vacuum-tube repeater circuits. B. W. Kendall. 1,514,706; Nov. 11.
Valve adjuster. C. E. Richardson. 1,514,730; Nov. 11.
Valve and operating means therefor. W. Lawrence. 1,514,667; Nov. 11.
Valve, Automatic shut-off. W. E. Toelle. 1,515,081; Nov. 11.
Valve. J. G. Gibson. 1,515,474; Nov. 11.
Valve control, Carburetor-choke. C. W. Stringer. 1,515,230; Nov. 11.
Valve device, Triple. C. C. Farmer. 1,514,690; Nov. 11.
Valve, Electrically-controlled. F. P. Martin. 1,515,353; Nov. 11.
Valve, Engine. E. E. Richardson. 1,514,630; Nov. 11.
Valve for electrically-heated ovens, Exhaust. J. C. Woodson. 1,515,234; Nov. 11.
Valve for liquid gauges, Safety. W. Dallas and D. Livingston. 1,515,461; Nov. 11.
Valve grinder. G. P. Goss. 1,515,029; Nov. 11.
Valve, Heater. C. Carson. 1,515,337; Nov. 11.
Valve lifter. J. C. Moore. 1,515,267; Nov. 11.
Valve mechanism. B. F. Rockhill. 1,515,414; Nov. 11.
Valve mechanism for engines, Rotary. R. W. Johnson. 1,515,052; Nov. 11.
Valve, Self-closing. G. T. Edwards and R. A. Blakeborough. 1,514,839; Nov. 11.
Valve thermoresponsively controlled, Fluid. R. M. Anderson. 1,514,816; Nov. 11.
Vanadium, Recovery of. A. N. Erickson. 1,515,245; Nov. 11.
Vanity article, Combination. N. Kasdan and D. Pollack. 1,515,120; Nov. 11.
Vapor appliance, Perpetual vacuum. J. E. Humrick. 1,515,048; Nov. 11.
Vaporizer, Electric. H. Wilson. 1,514,682; Nov. 11.
Vehicle and trailer, Motor. A. L. Broekman. 1,515,090; Nov. 11.
Vehicle bodies, seats, and the like, Resiliently mounting. F. McLaughlin. 1,514,626; Nov. 11.
Vehicle brake, Motor. E. R. Evans. 1,515,019; Nov. 11.
Vehicle, Endless-track. O. S. Penn. 1,515,167; Nov. 11.
Vehicle fender. A. J. Finnegan. 1,515,566-7; Nov. 11.
Vehicle fender or bumper. A. J. Finnegan. 1,515,565; Nov. 11.
Vehicle, Motor. E. W. Woodward and J. C. Millsap. 1,515,235; Nov. 11.
Vehicle signal. F. X. Ewald. 1,514,843; Nov. 11.
Vehicle washing device. H. G. Holstein. 1,515,484; Nov. 11.
Vehicles, All-weather body for. H. and J. P. Garner. 1,515,574; Nov. 11.
Vehicles and the like, Rear clutch for motor. W. L. Foster. 1,515,100; Nov. 11.
Vehicles, Automatic brake actuator for motor. L. R. and E. Hebert. 1,515,041; Nov. 11.
Vehicles, Electrically-driven wheel for motor. J. Schurch. 1,515,076; Nov. 11.
Vehicles, Fluid-actuated brake for motor. E. G. Staude. 1,514,804; Nov. 11.
Vehicles, Pulling device for. J. T. Glass. 1,514,691; Nov. 11.
Vehicles, Windscreens for. H. Drabble and D. W. E. Kyle. 1,514,760; Nov. 11.
Vending machines, Coin-controlled operating mechanism for. C. D. Beaver. 1,515,088; Nov. 11.
Ventilator: See—
Car-door ventilator.
Ventilating sash units, Control system for. H. E. White. 1,515,376; Nov. 11.
Vulcanizer. J. T. Seelye and L. R. Jackson. 1,515,177; Nov. 11.
Ware support and process of burning ware. S. Mackey. 1,515,063; Nov. 11.
Warning signal. W. H. Enfield and C. P. Goplerud. 1,515,017; Nov. 11.
Washers, Machine for forming. A. H. Magnuson. 1,515,262; Nov. 11.
Washing machine. E. A. Redinbo. 1,514,791; Nov. 11.
Washing machine and preserving apparatus, Combined. J. G. Watson. 1,515,003; Nov. 11.
Washing machines, Rack for operating mechanism for. O. B. Woodrow. 1,515,006; Nov. 11.
Wastebasket, Metallic. F. A. Schmitz. 1,514,993; Nov. 11.
Water from slashers, Device for moving. C. H. Wolcott and W. C. Stephens. 1,515,085; Nov. 11.
Water heaters, Fire bar for electric. R. H. MacInnes. 1,514,857; Nov. 11.
Water system. J. G. Hampton. 1,514,698; Nov. 11.
Weaving. R. Crompton. 1,514,686; Nov. 11.
Weed destroyer. J. E. Greenfield. 1,515,476; Nov. 11.
Weed puller. J. J. Rytell. 1,514,868; Nov. 11.
Weeder. D. E. Rice. 1,515,411; Nov. 11.
Weft-detecting mechanism. E. H. Ryon. 1,514,934; Nov. 11.

ALPHABETICAL LIST OF INVENTIONS.

Welded pipe-line joint and making the same. H. Mitchell. 1,515,355; Nov. 11.	Window washer and cleaner. M. J. Pringle. 1,515,275; Nov. 11.
Well-drilling apparatus. Swivel for. J. B. Sperry. 1,514,871; Nov. 11.	Windshield-cleaning device. H. P. Hansen. 1,515,584; Nov. 11.
Well stopper. G. H. McLean. 1,514,978; Nov. 11.	Wire and other drawn and rolled sections with other metals. Process and apparatus for coating. S. O. Cowper-Coles. 1,515,092; Nov. 11.
Wheel. J. A. Charter. 1,515,144; Nov. 11.	Wire fences, stretcher device for. J. R. Trice and J. T. Weaver. 1,514,639; Nov. 11.
Wheel. F. C. Dittmar. 1,515,153; Nov. 11.	Wire or thread whipping mechanism. H. H. C. Grondahl. 1,514,852; Nov. 11.
Wheel. W. F. Kasper. 1,515,212; Nov. 11.	Wire or thread whipping mechanism. C. O. Haase. 1,514,853; Nov. 11.
Wheel mounting and oiling mechanism therefor. R. Humphries. 1,515,046; Nov. 11.	Wire-rope-end coupling or socket. H. W. Kerr. 1,515,804; Nov. 11.
Wheel pulley. B. A. Forsyth. 1,515,247; Nov. 11.	Wire-winding machine. W. O. Meissner. 1,515,300; Nov. 11.
Wheel rim. C. Schergens. 1,515,417; Nov. 11.	Wood. Preventing the turning blue of. G. Grau and P. H. Rother. 1,514,693; Nov. 11.
Wheels. Device for and method of assembling composite metal. H. P. Arnt. 1,514,820; Nov. 11.	Wood. Treating. J. H. McDaniel. 1,515,504; Nov. 11.
Wheels. Theft lock for disk. W. E. Dickson. 1,515,097; Nov. 11.	Woodworking machine. A. Heinzerling. 1,514,764; Nov. 11.
Windlass. Boat-operating. S. E. Aaron. 1,514,755; Nov. 11.	Wrapping machine. M. J. Milmo. 1,515,311; Nov. 11.
Window. S. Goodman. 1,514,762; Nov. 11.	Wrench. R. R. Armstrong. 1,515,536; Nov. 11.
Window. M. F. P. Wilson. 1,515,454; Nov. 11.	Wringers. Drip pan for. A. W. Krahn. 1,514,622; Nov. 11.
Window cleaner. A. J. Driscoll and F. A. Reinhard. 1,515,015; Nov. 11.	Yarn-tube frame. G. P. Findlay, G. D. Lockwood, and J. G. Soderberg. 1,515,022; Nov. 11.
Window-operating device. L. H. Morin. 1,515,312; Nov. 11.	
Window-polishing machine. J. J. Peterson. 1,515,406; Nov. 11.	
Window-shade adjuster. L. C. Smith. 1,515,372; Nov. 11.	

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 11, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 21: 1,514,913	22— 213: 1,515,244	37— 190: 1,515,459	64— 59: 1,514,597	77— 18: 1,514,908	107— 7: 1,515,188
6: 1,514,613	1: 1,515,079	39— 51: 1,515,458	65: 1,514,672	58: 1,515,548	15: 1,515,098
13: 1,514,943	3: 1,515,257	40— 11: 1,514,996	89: 1,514,716	72: 1,514,704	108— 5: 1,514,627
14: 1,515,399	13: 1,515,007	26: 1,514,910	1,514,795	75.5: 1,515,430	109— 3: 1,514,866
42: 1,515,223	21: 1,514,912	33: 1,515,443	1,514,968	42: 1,515,318	110— 56: 1,514,785
78: 1,514,678	22: 1,514,972	39: 1,515,433	102: 1,514,942	21: 1,514,809	112— 2: 1,515,294
1,515,282	3: 1,515,180	64: 1,514,775	13: 1,515,480	60: 1,514,810	178: 1,514,713
1,515,283	1,514,989	70: 1,514,688	45: 1,514,740	66: 1,515,075	201: 1,514,609
85: 1,515,020	1,515,447	1,515,122	1,515,513	3.2: 1,515,395	202: 1,515,301
87: 1,515,149	19: 1,515,335	125: 1,514,841	4: 1,514,623	73: 1,515,536	113— 32: 1,515,404
131: 1,515,392	49: 1,515,363	1,515,518	67— 13: 1,515,510	14: 1,515,347	114— 16: 1,514,621
195: 1,514,799	71: 1,514,790	129: 1,515,419	41: 1,515,030	8: 1,515,377	66.5: 1,514,695
57: 1,515,414	123: 1,515,394	132: 1,514,608	50: 1,515,031	53: 1,514,915	163: 1,515,024
239: 1,515,583	139: 1,514,797	1,515,444	116: 1,514,899	81: 1,514,807	116— 33: 1,514,658
289: 1,515,073	169: 1,515,479	1,514,906	9: 1,514,727	69: 1,514,702	46: 1,514,843
5— 120: 1,515,263	197: 1,515,412	1,515,506	83: 1,515,403	83: 1,515,403	114: 1,515,222
306: 1,514,836	228: 1,515,304	1,515,338	174: 1,514,840	24: 1,514,665	132: 1,515,154
317: 1,515,473	232: 1,514,772	1,515,379	1,515,505	1: 1,515,065	135: 1,514,829
7— 13: 1,515,071	241: 1,514,654	1,515,505	1,515,545	2.7: 1,514,948	137: 1,515,471
8— 20: 1,514,833	255: 1,515,273	1,515,003	1,515,003	14: 1,515,512	55: 1,515,365
9— 23: 1,515,517	1: 1,514,631	1,515,083	1,515,545	16.4: 1,515,428	118— 5: 1,515,141
10— 21: 1,515,187	27: 1,515,125	65: 1,515,559	1,515,559	16.6: 1,515,429	119— 17: 1,514,624
12— 4: 1,514,614	41: 1,514,980	88: 1,514,994	1,515,259	19.5: 1,515,343	44: 1,514,856
17: 1,514,629	130: 1,515,057	121: 1,515,094	1,515,264	20: 1,515,305	77: 1,514,880
1,514,719	153: 1,515,063	134: 1,515,296	1,515,278	23: 1,514,665	1,515,256
1,515,465	155: 1,515,150	135: 1,515,158	47: 1,514,659	3: 1,514,651	143: 1,514,919
27: 1,515,132	157: 1,515,375	44— 9: 1,514,977	74: 1,515,550	17: 1,514,907	150: 1,515,527
30: 1,514,606	68: 1,514,748	45— 1: 1,515,058	90: 1,515,097	14: R. 15,945	18: 1,514,965
42: 1,514,615	1,514,749	2: 1,514,992	108: 1,515,302	46: 1,515,514	25: 1,514,920
97: 1,514,756	114: 1,515,275	13: 1,515,520	7: 1,515,008	50: 1,515,265	58: 1,514,610
142: 1,514,634	127: 1,515,484	28: 1,515,011	16: 1,514,714	88: 1,515,121	121— 119: 1,515,378
18: 1,514,932	128: 1,515,404	31: 1,515,242	75: 1,515,257	1: 1,515,062	162: 1,515,133
45: 1,515,356	129: 1,515,503	8: 1,515,593	103: 1,515,537	21: 1,514,655	122— 228: 1,514,685
49: 1,514,763	206: 1,514,990	11: 1,514,599	111: 1,514,806	25: 1,515,250	123— 32: 1,515,391
103: 1,515,406	240: 1,515,410	84: 1,515,258	113: 1,515,159	5: 1,515,496	33: 1,515,168
114: 1,515,275	251: 1,515,594	85: 1,515,319	120: 1,514,902	58: 1,515,145	59: 1,515,523
127: 1,515,484	1,515,594	27: 1,514,602	135: 1,515,437	44: 1,514,663	96: 1,515,529
128: 1,515,404	70: 1,514,786	37: 1,515,405	61: 1,515,368	1,514,923	74: 1,514,710
206: 1,515,503	71: 1,515,155	40: 1,515,070	82: 1,515,524	31: 1,514,789	90: 1,514,730
229: 1,514,990	81: 1,514,830	45: 1,515,145	1: 1,515,300	17: 1,515,012	1,515,201
240: 1,515,410	128: 1,514,917	105: 1,514,700	5: 1,515,099	63: 1,515,217	1,515,276
251: 1,515,594	2: 1,514,671	153.5: 1,515,218	7: 1,514,872	140: 1,514,656	1,515,344
16— 71: 1,514,786	5.3: 1,515,540	156.6: 1,515,472	1,514,876	197: 1,514,656	119: 1,514,630
71: 1,514,830	18: 1,515,177	160.6: 1,514,831	1,514,887	198: 1,514,782	127: 1,515,384
128: 1,514,917	47.5: 1,514,666	1: 1,514,620	1,515,046	1,514,974	143: 1,515,562
81: 1,514,830	53: 1,515,381	1,515,555	1,515,203	244: 1,514,700	169: 1,514,668
128: 1,514,917	59: 1,514,708	3: 1,515,457	1,515,207	27: 1,514,648	185: 1,514,832
18: 1,515,177	65: 1,515,440	32— 12: 1,514,801	1,515,235	49: 1,515,337	190: 1,515,052
47.5: 1,514,666	18: 1,515,177	10: 1,514,808	14: 1,515,006	8: 1,515,108	11: 1,515,225
63: 1,515,381	53: 1,515,475	24: 1,515,485	17: 1,514,652	11: 1,514,780	126— 39: 1,515,067
59: 1,514,708	59: 1,514,708	29: 1,515,129	34: 1,514,601	12: 1,514,693	1,515,502
65: 1,515,440	18: 1,514,851	44: 1,515,463	1,515,068	55: 1,515,504	58: 1,515,249
45: 1,515,475	23: 1,515,558	75: 1,515,522	38: 1,515,162	100— 55: 1,514,761	93: 1,514,773
59: 1,514,708	40: 1,515,241	82: 1,514,916	1,514,768	20: 1,515,050	113: 1,515,490
18: 1,514,851	1,515,454	105: 1,515,055	1,514,738	44: 1,515,561	176: 1,515,028
65: 1,515,440	1,515,460	131: 1,515,289	1,514,838	91: 1,515,859	182: 1,515,585
18: 1,514,851	42: 1,514,762	200: 1,515,516	1,515,045	94: 1,515,342	194: 1,515,413
23: 1,515,558	71: 1,514,771	214: 1,515,239	1,515,087	287: 1,515,572	271.2: 1,515,476
40: 1,515,241	2: 1,514,757	1: 1,514,926	1,515,230	341: 1,514,448	20: 1,515,451
1,515,454	1,514,802	4: 1,515,083	1,515,234	350: 1,514,991	128— 200: 1,514,860
1,515,460	1,515,094	5: 1,515,385	1,515,234	391: 1,514,683	257: 1,515,043
1,515,475	1,514,744	19: 1,514,935	50: 1,514,728	2: 1,514,734	1: 1,514,862
1,514,765	1,514,744	24: 1,514,600	57: 1,515,047	3: 1,514,743	12: 1,514,734
1,514,766	1,514,744	20: 1,515,214	58: 1,514,750	120: 1,515,195	30: 1,514,778
1,514,779	1,514,801	46: 1,515,431	59: 1,514,938	140: 1,515,269	131— 16: 1,515,000
45: 1,515,339	45: 1,515,339	5: 1,515,135	79: 1,515,416	246: 1,515,533	13: 1,515,525
63: 1,515,137	63: 1,515,137	12: 1,514,823	81: 1,515,575	45: 1,514,669	29: 1,515,425
64: 1,515,163	64: 1,515,163	1: 1,515,056	106: 1,515,054	55: 1,515,533	41: 1,514,957
65: 1,515,544	65: 1,515,544	17: 1,515,198	108: 1,515,077	73: 1,514,961	49: 1,515,357
73: 1,514,909	73: 1,514,909	66: 1,515,330	1,515,643	124: 1,514,783	80: 1,515,542
77: 1,515,488	77: 1,515,488	71: 1,515,271	1,515,246	126: 1,515,023	83: 1,515,120
122: 1,514,850	122: 1,514,850	106: 1,515,054	1,515,082	1,515,023	133— 1: 1,515,549
123: 1,515,002	123: 1,515,002	11: 1,515,499	1,515,464	235: 1,514,687	134— 1: R. 15,944
142: 1,515,319	142: 1,515,319	174: 1,514,985	1,515,464	139: 1,515,228	51: 1,515,439
143: 1,515,320	143: 1,515,320	20: 1,515,313	1,515,464	163: 1,514,931	36: 1,515,123
173: 1,515,171	173: 1,515,171	23: 1,515,204	1,515,464	190: 1,515,134	60: 1,514,638
188: 1,514,731	188: 1,514,731	24: 1,514,855	1,515,464	315: 1,515,576	135— 15: 1,515,466
203: 1,515,296	203: 1,515,296	48: 1,515,090	1,515,464	9: 1,514,812	37: 1,514,962
		52: 1,514,607	1,515,464	107— 4: 1,514,848	29: 1,515,433

137- 53: 1,515,184	164- 54: 1,515,013	194- 58: 1,514,971	210- 201: 1,515,130	240- 41: 1,514,868	263- 15: 1,514,911
78: 1,514,975	60: 1,514,758	69: 1,514,674	211- 13: 1,514,967	1,514,869	1,515,368
101: 1,515,048	68: 1,515,026	105: 1,515,064	1,515,489	1,514,969	1,515,462
139: 1,514,839	75: 1,514,696	1,515,064	1,515,509	1,515,156	20: 1,515,332
1,515,173	76: 1,514,697	21: 1,515,059	1,515,221	1,515,221	41: 1,515,185
1,515,333	1: 1,515,066	29: 1,515,209	31: 1,515,382	45: 1,515,371	44: 1,515,027
150: 1,514,463	13: 1,514,973	88: 1,515,432	32: 1,515,238	48: 1,515,095	3: 1,515,114
160: 1,514,805	3: 1,515,364	77: 1,515,400	26: 1,514,870	82: 1,514,759	264- 3: 1,514,970
1,515,323	7: 1,514,681	124: 1,515,326	166: 1,515,334	57: 1,514,867	61: 1,514,826
162: 1,515,081	9: 1,515,182	152: 1,514,642	31: 1,515,178	62: 1,515,105	21: 1,515,096
139- 10: 1,515,022	159: 1,515,268	1,514,690	38: 1,515,582	78: 1,514,616	23: 1,514,650
71: 1,514,873	163: 1,514,874	1,515,018	44: 1,515,351	108: 1,514,729	32: 1,514,776
74: 1,514,925	312: 1,515,260	194: 1,515,310	52: 1,515,326	132: 1,514,784	267- 8: 1,514,626
116: 1,514,951	171- 1: 1,515,579	205: 1,515,019	65: 1,514,769	241- 6: 1,514,726	265- 1: 1,514,849
127: 1,515,102	172- 36: 1,515,078	1,515,584	83: 1,515,327	1,515,406	21: 1,515,196
141: 1,514,940	152: 1,514,909	240: 1,514,805	1,515,328	242- 7: 1,514,832	268- 17: 1,515,376
147: 1,514,941	179: 1,515,135	62: 1,515,321	1,515,329	8: 1,515,292	270- 58: 1,514,929
224: 1,514,986	1,515,215	189- 12: 1,514,777	1,515,329	9: 1,515,309	271- 14: 1,514,947
264: 1,515,515	1,515,232	190- 12: 1,514,777	215- 51: 1,515,432	84: 1,514,901	31: 1,514,633
271: 1,514,934	238: 1,515,200	192- 3: 1,514,804	57: 1,514,968	84: 1,514,901	83: 1,515,498
303: 1,514,603	239: 1,515,321	17: 1,514,605	7: 1,515,501	95: 1,514,691	279- 1: 1,514,641
1,514,604	240: 1,514,881	93: 1,515,341	12: 1,514,964	118: 1,514,796	9: 1,514,640
305: 1,514,967	270: 1,515,478	80: 1,515,341	58: 1,514,821	130: 1,514,767	36: 1,515,272
3: 1,514,635	281: 1,514,735	107: 1,515,284	124: 1,515,570	134: 1,515,519	33: 1,515,363
119: 1,515,470	288: 1,515,191	108: 1,515,100	20: 1,515,199	2: 1,515,037	109: 1,515,449
141- 9: 1,515,407	289: 1,515,205	113: 1,515,401	25: 1,514,950	21: 1,515,577	285- 1: 1,515,353
143- 37: 1,515,436	290: 1,515,227	126: 1,514,883	1,515,202	29: 1,515,528	137: 1,514,803
144- 32: 1,515,025	173- 250: 1,514,928	63: 1,514,596	34: 1,515,261	31: 1,514,694	200- 30: 1,515,166
297: 1,515,286	324: 1,514,618	66: 1,515,088	35: 1,514,858	10: 1,515,056	291- 11: 1,515,571
145- 36: 1,515,189	366: 1,515,193	196- 4: 1,515,093	1,515,234	238: 1,515,340	27: 1,515,554
66: 1,515,131	174- 177: 1,514,746	122: 1,515,552	1,515,308	294: 1,514,914	36: 1,515,253
112: 1,515,493	175- 21: 1,515,500	128: 1,515,213	1,514,682	418: 1,515,569	75: 1,514,845
146- 32: 1,515,386	30: 1,515,074	165: 1,515,438	1,515,537	428: 1,515,943	204: 1,515,091
1,515,387	1,515,298	180: 1,514,611	1,515,537	3: 1,515,324	242: 1,515,927
47: 1,514,774	265: 1,515,547	85: 1,514,764	1,515,537	31: 1,514,612	342: 1,515,486
59: 1,514,049	294: 1,515,197	213: 1,515,306	1,515,537	20: 1,515,216	356: 1,515,164
150: 1,515,014	315: 1,515,128	4: 1,515,378	39: 1,514,813	11: 1,514,643	293- 42: 1,515,566
175: 1,515,113	318: 1,514,736	29: 1,515,208	70: 1,515,231	17: 1,515,331	54: 1,515,567
299: 1,514,966	367: 1,515,288	26: 1,514,596	40: 1,515,560	30: 1,514,661	55: 1,515,111
33: 1,515,291	177- 7: 1,515,147	1,514,828	55: 1,514,930	1,515,424	1,515,316
151- 32: 1,515,033	337: 1,515,061	1,515,060	73: 1,514,993	1,514,752	57: 1,515,505
53: 1,515,179	386: 1,514,844	1,515,531	11: 1,515,219	1,515,186	294- 20: 1,514,814
152- 14: 1,514,660	1,514,844	27: 1,515,366	23: 1,514,944	1,515,424	30: 1,514,825
1,515,285	1,515,332	43: 1,515,117	26: 1,514,945	1,515,424	31: 1,515,038
1,515,491	1,515,491	50: 1,515,206	51: 1,515,446	1,515,424	83: 1,514,781
1,515,541	1,515,541	72: 1,515,127	62: 1,515,124	1,514,752	114: 1,514,983
16: 1,515,287	1,515,541	89: 1,515,183	95: 1,515,004	1,514,752	22: 1,515,212
21: 1,515,417	1,515,541	115: 5: 1,514,905	100: 1,514,834	1,515,186	25: 1,514,981
153- 77: 1,515,107	1,515,541	121: 1,514,642	107: 1,514,679	1,515,186	48: 1,515,574
82: 1,514,712	1,515,541	140: 1,515,072	118: 1,515,181	1,515,186	85: 1,514,760
154- 1: 1,514,827	1,515,541	147: 1,515,143	120: 1,515,336	1,515,186	140: 1,515,573
45: 9: 1,515,380	1,515,541	150: 1,515,032	228- 19: 1,515,373	1,515,186	297- 15: 1,514,816
155- 133: 1,515,564	1,515,541	169: 1,515,535	1,515,374	1,515,186	17: 1,515,317
139: 1,514,811	1,515,541	170: 1,514,904	1,515,426	1,515,186	206- 7: 1,514,878
156- 15: 1,515,581	1,515,541	171: 1,514,837	1,515,426	1,515,186	200- 86: 1,514,724
20: 1,514,722	1,515,541	1,514,847	1,515,426	1,515,186	98: 1,514,724
25: 1,515,040	1,515,541	1,514,861	1,515,426	1,515,186	121: 1,514,941
28: 1,515,372	1,515,541	1,515,346	1,515,426	1,515,186	140: 1,514,976
44: 1,515,270	1,515,541	1,515,110	1,515,426	1,515,186	300- 2: 1,514,715
157- 1: 1,514,820	1,515,541	1,515,467	1,515,426	1,515,186	301- 11: 1,514,864
1,514,997	1,515,541	1,515,109	1,515,426	1,515,186	33: 1,515,160
158- 4: 1,514,703	1,515,541	1,515,705	1,515,426	1,515,186	63: 1,515,144
1,515,295	1,515,541	1,515,167	1,515,426	1,515,186	66: 1,515,153
8: 1,514,675	1,515,541	1,515,363	1,515,426	1,515,186	6: 1,514,646
10: 1,515,532	1,515,541	1,515,363	1,515,426	1,515,186	15: 1,514,999
27: 4: 1,514,815	1,515,541	1,515,363	1,515,426	1,515,186	32: 1,514,993
33: 1,515,136	1,515,541	1,515,363	1,515,426	1,515,186	39: 1,514,690
46: 5: 1,514,676	1,515,541	1,515,363	1,515,426	1,515,186	48: 1,514,684
76: 1,515,388	1,515,541	1,515,363	1,515,426	1,515,186	
99: 1,514,895	1,515,541	1,515,363	1,515,426	1,515,186	
1,515,112	1,515,541	1,515,363	1,515,426	1,515,186	
1,515,172	1,515,541	1,515,363	1,515,426	1,515,186	
118: 1,514,707	1,515,541	1,515,363	1,515,426	1,515,186	
159- 27: 1,514,919	1,515,541	1,515,363	1,515,426	1,515,186	
164- 6: 1,515,190	1,515,541	1,515,363	1,515,426	1,515,186	
12: 1,515,262	1,515,541	1,515,363	1,515,426	1,515,186	
39: 1,514,647	1,515,541	1,515,363	1,515,426	1,515,186	

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Advance Appliance Company, The, Waterloo, Iowa. Cabinets. 191,717; Nov. 18; Serial No. 197,526; published Aug. 26, 1924.
- Alabastine Company, Grand Rapids, Mich. Water paints and wall coatings. 191,687; Nov. 11; Serial No. 198,995; published Mar. 20, 1923.
- Amen, Nicholas C., doing business as Little Bear Specialties Company, Kansas City, Mo. Liquid fabric cement. 191,903; Nov. 18.
- American Cellulose & Chemical Manufacturing Company Ltd., The, New York, N. Y. Women's and children's dresses, sweaters, jumpers, etc. 191,844; Nov. 18; Serial No. 198,167; published Sept. 2, 1924.
- American Metal Polish Co., Somerville, Mass. Metal polish. 191,694; Nov. 18; Serial No. 183,900; published Aug. 26, 1924.
- Andrews & Patterson, Worcester, Mass. Ice cream and ice cream coated with chocolate. 191,775; Nov. 18; Serial No. 160,179; published Sept. 2, 1924.
- Appleby Bros., Fayetteville, Ark. Canned vegetables. 191,883; Nov. 18; Serial No. 194,242; published Sept. 9, 1924.
- Arentsen, A. W., & Co., Chicago, Ill. Linen and cotton piece goods. 191,718; Nov. 18; Serial No. 197,408; published Aug. 26, 1924.
- Armstrong-Kilbourne, Inc., Minneapolis, Minn. Title of a monthly publication. 191,712; Nov. 18; Serial No. 198,279; published Aug. 26, 1924.
- Auburn Mercantile Company, Auburn, N. Y. Catchup, chili sauce, salt fish, jellies, etc. 191,893; Nov. 18; Serial No. 174,123; published Sept. 2, 1924.
- Automatic Incubator Co., The, Delaware, Ohio. Incubators and brooders. 191,899; Nov. 18.
- Bagby Furniture Company, The, doing business as The Standard Furniture Manufacturing Company, Baltimore, Md. Bureaus, tables, bedsteads, etc. 191,690; Nov. 18; Serial No. 180,737; published Aug. 26, 1924.
- Baldwin, J. & J., assignor to Patons & Baldwins Limited, Halifax, England. Yarns. 25,625; renewed Dec. 11, 1924.
- Baldwin, J. & J., assignor to Patons & Baldwins Limited, Halifax, England. Yarns. 25,668-9; renewed Dec. 18, 1924.
- Baldwin, J. & J., assignor to Patons & Baldwins Limited, Halifax, England. Yarns. 25,672-5; renewed Dec. 18, 1924.
- Baldwin, J. & J., assignor to Patons & Baldwins Limited, Halifax, England. Yarns. 25,760; renewed Jan. 1, 1925.
- Barbour Welting Company, Brockton, Mass. Welting for boots and shoes. 191,840; Nov. 18; Serial No. 198,556; published Aug. 26, 1924.
- Barnhart, Frank H., Fostoria, Ohio. Children's safety harness. 191,796; Nov. 18; Serial No. 150,256; published Sept. 2, 1924.
- Baumgarten, Sidney, doing business as Sidney Baumgarten Co., Chicago, Ill. Sport coats and suits, knickers, jackets, etc. 191,799; Nov. 18; Serial No. 190,995; published June 17, 1924.
- Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Cotton blankets. 191,896; Nov. 18.
- Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods made of silk. 191,791; Nov. 18; Serial No. 190,002; published Aug. 26, 1924.
- Benjamin Electric Manufacturing Company, Chicago, Ill. Tables and juvenile tables and chairs. 191,693; Nov. 18; Serial No. 182,785; published Aug. 26, 1924.
- Bernhardt, David, Paint Company, Ltd., New Orleans, La. Paints, varnishes, paint oils, linseed oil, and turpentine. 191,768; Nov. 18; Serial No. 181,720; published Aug. 26, 1924.
- Betty Products Company, Hartford, Conn. Game. 191,800; Nov. 18; Serial No. 192,302; published Sept. 9, 1924.
- Big Stone Canning Co., Ortonville, Minn. Canned corn. 191,750; Nov. 18; Serial No. 197,921; published Sept. 2, 1924.
- Birks, Crawford & Lindsey, Ltd., Vancouver, British Columbia, Canada. Canned salmon. 191,889; Nov. 18; Serial No. 181,723; published Sept. 9, 1924.
- Bishop & Company, Los Angeles, Calif. Chocolate-coated candy. 191,764; Nov. 18; Serial No. 190,756; published Sept. 2, 1924.
- Blake & Stearns, Boston, Mass. Woolens and worsteds in the piece. 191,691; Nov. 18; Serial No. 180,920; published Aug. 26, 1924.
- Blake & Stearns, Boston, Mass. Woolens and worsteds in the piece. 191,792; Nov. 18; Serial No. 190,671; published Aug. 26, 1924.
- Blata Products Company, Milwaukee, Wis. Malt extract for food purposes. 191,833; Nov. 18; Serial No. 190,672; published Sept. 9, 1924.
- Bloom, Edward, Co. Inc., New York, N. Y. Silk and wool piece goods. 191,794; Nov. 18; Serial No. 199,875; published Aug. 26, 1924.
- Blum & Bergeron, Houma, La. Canned shrimp. 191,738; Nov. 18; Serial No. 199,341; published Sept. 2, 1924.
- Bouchard, Mack, & Son, Caribou, Me. Seed potatoes. 191,695; Nov. 18; Serial No. 185,406; published Sept. 2, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,728; Nov. 18; Serial No. 200,243; published Sept. 2, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,784; Nov. 18; Serial No. 199,523; published Aug. 26, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,784; Nov. 18; Serial No. 199,525; published Aug. 26, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,785; Nov. 18; Serial No. 199,528; published Aug. 26, 1924.
- Bradford Dyeing Assn., (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,786; Nov. 18; Serial No. 199,530; published Aug. 26, 1924.
- Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,787-8; Nov. 18; Serial Nos. 199,532-3; published Aug. 26, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 191,789; Nov. 18; Serial No. 199,535; published Aug. 26, 1924.
- Bran U Auto Polish Co., Los Angeles, Calif. Polish for woodwork, household furniture, and automobiles. 191,885; Nov. 18; Serial No. 152,828; published Mar. 25, 1924.
- Brenner Bros., New York, N. Y. Ladies' outer cloaks and suits. 191,850; Nov. 18; Serial No. 197,799; published Sept. 2, 1924.
- Bunte Brothers, Chicago, Ill. Candy. 191,744; Nov. 18; Serial No. 199,030; published Sept. 2, 1924.
- California Almond Growers Exchange, San Francisco, Calif. Publication. 191,700; Nov. 18; Serial No. 192,894; published Aug. 26, 1924.
- Carpenter-Leddin Co., New York, N. Y. Cleaning and polishing soap. 191,723; Nov. 18; Serial No. 195,211; published Aug. 26, 1924.
- Caulk, L. D., Company, The, Milford, Del. Preparation for cleaning and polishing false teeth, etc. 191,719; Nov. 18; Serial No. 197,324; published Aug. 26, 1924.
- Character Case Company, (See Guggenheim, Eli).
- Choco-Ice Company, Chicago, Ill. Chocolate or candy coated pastry containers for ice cream, etc. 191,838-9; Nov. 18; Serial Nos. 198,617-18; published Aug. 26, 1924.
- Clen-So Company, The, Shreveport, La. Liquid wax for cleaning and polishing floors, etc. 191,762; Nov. 18; Serial No. 193,574; published Sept. 2, 1924.
- Cleveland Milling Co., Cleveland, Tenn. Wheat flour. 191,807; Nov. 18; Serial No. 197,188; published Sept. 2, 1924.
- Cleveland Milling Co., Cleveland, Tenn. Wheat flour. 191,884; Nov. 18; Serial No. 193,805; published Sept. 2, 1924.
- Cliver-Wright-Rainey Co., The, Cincinnati, Ohio. Hosiery. 191,705; Nov. 18; Serial No. 198,619; published Aug. 26, 1924.
- Cohen, Julius R., Des Moines, Iowa. Cigars and smoking and chewing tobacco. 26,067; renewed Feb. 19, 1925.
- Colonial Knitting Mills, Inc., Philadelphia, Pa. Hosiery. 191,704; Nov. 18; Serial No. 198,620; published Aug. 26, 1924.
- Colvin's Confectionery, Los Angeles, Calif. Chocolates, bonbons, and all other kinds of candies. 191,734; Nov. 18; Serial No. 200,247; published Sept. 2, 1924.
- Conant, Houghton & Co. Inc., New York, N. Y. Elastic webbing. 191,809; Nov. 18; Serial No. 197,469; published Aug. 5, 1924.
- Consolidated Specialties Company, New Bedford, Mass. Cleaning fluid for glass. 191,715; Nov. 18; Serial No. 197,867; published Aug. 26, 1924.
- Cooke, William A., Jr., assignor to The Cooke & Cobb Company, Brooklyn, N. Y. Box files for holding papers. 25,739; renewed Dec. 25, 1924.
- Cookson & Co. Ltd., Newcastle-on-Tyne, England. Oxide of antimony and chemical compounds and mixtures made therefrom. 191,754; Nov. 18; Serial No. 198,640; published Sept. 2, 1924.
- Correct Container Co., Cincinnati, Ohio. Containers of paper, etc., for shipping and storing food products and similar articles. 191,851; Nov. 18; Serial No. 174,561; published Sept. 9, 1924.
- Cott-A-Lap Company, Somerville, N. J. Floor coverings coated with a waterproof substance. 191,895; Nov. 18; Serial No. 166,170; published Sept. 2, 1924.
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Dairy Laboratories, The, Philadelphia, Pa. Cultures for making starter in the manufacture of buttermilk, butter, etc. 191,831; Nov. 18; Serial No. 199,609; published Sept. 9, 1924.

Daniels Manufacturing Company, Rhineland, Wis. Paper napkins and table covers. 191,008; Nov. 18; Serial No. 199,008; published Sept. 9, 1924.

Davis, Stephan A., doing business as Davis Electric Co., Springfield, Ohio. Couplers for circuits of wireless receiving apparatus. 191,780; Nov. 18; Serial No. 198,900; published Aug. 26, 1924.

Dearborn Company, The, Chicago, Ill. Children's toy vehicles and furniture, dolls, etc. 191,853; Nov. 18; Serial No. 192,500; published Sept. 9, 1924.

Deimel, Henry L., Santa Barbara, assignor to The Deimel Linen-Mesh System Company, San Francisco, Calif. Linen underwear. 26,293; renewed Mar. 26, 1925.

Delacour Bros. Ltd., London, England. Tobacco pipes. 191,771; Nov. 18; Serial No. 178,730; published Sept. 2, 1924.

Dentier, George H., Houston, Tex. Potato chips. 191,894; Nov. 18; Serial No. 170,009; published Sept. 2, 1924.

Dingwall, J. Alex., jr., New York, N. Y. General lubricants and gasoline, kerosene, and naphtha. 191,770; Nov. 18; Serial No. 159,246; published Aug. 26, 1924.

Dunbar Products Co., Inc., New Canaan, Conn. Saponified cold cream. 191,815; Nov. 18; Serial No. 199,815; published Sept. 9, 1924.

Dunhill, Alfred, of London, Inc., New York, N. Y. Pipes, cigar and cigarette holders, and tobacco pouches. 191,798; Nov. 18; Serial No. 179,264; published Sept. 2, 1924.

Duty, Mabel C., doing business as Magic Jewelry Company, Cleveland, Ohio. Toy jewelry. 191,745; Nov. 18; Serial No. 198,939; published Sept. 2, 1924.

Dyestuffs Corporation of America, Boston, Mass. Leather oils and greases. 191,752; Nov. 18; Serial No. 197,589; published Aug. 12, 1924.

Earl & Wilson, Troy, N. Y. Men's negligee and dress shirts and collars. 191,811; Nov. 18; Serial No. 197,728; published Sept. 2, 1924.

Earl & Wilson, Troy, N. Y. Men's negligee and dress shirts and collars. 191,812; Nov. 18; Serial No. 197,731; published Sept. 2, 1924.

Eddie Mill & Elevator Co., Oklahoma City, Okla. Poultry feed. 191,828; Nov. 18; Serial No. 199,465; published Sept. 9, 1924.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, thinners for lacquers, lacquer enamels. 191,666; Nov. 18; Serial No. 156,625; published Jan. 8, 1924.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer thinners, and enamels. 191,688; Nov. 18; Serial No. 179,186; published July 10, 1923.

Elmer's Incorporated, Milwaukee, Wis. Chocolate. 191,817-18; Nov. 18; Serial Nos. 198,296-7; published Sept. 9, 1924.

Embossing Company, The, Albany, N. Y. Game of Chinese dominoes. 191,894; Nov. 18; Serial No. 199,466; published Sept. 9, 1924.

Endicott Johnson Corporation, Endicott, N. Y. Rubber and composition soles and heels. 191,710; Nov. 18; Serial No. 198,404; published Aug. 26, 1924.

Everett Mills, Lawrence and Boston, Mass. Cotton piece goods. 191,726; Nov. 18; Serial No. 200,354; published Sept. 2, 1924.

F. & Z. Knitting Mills, Inc., New York, N. Y. Wool and fiber knitted dresses and knitted sweaters. 191,761; Nov. 18; Serial No. 193,580; published June 24, 1924.

Fawcett, Will S., El Centro, Calif. Fresh cantaloupes, lettuce, and grapes. 191,854; Nov. 18; Serial No. 184,717; published Sept. 9, 1924.

Fax Manufacturing Co., Long Island City, N. Y. Automobile polish and finish. 191,845; Nov. 18; Serial No. 198,129; published Sept. 2, 1924.

Federal Cartridge Corporation, Minneapolis, Minn., assignor to Winchester Repeating Arms Company, New Haven, Conn. Shot shells and cartridges. 191,722; Nov. 18; Serial No. 195,225; published Sept. 2, 1924.

Filice & Perrelli Canning Company, Inc., Gilroy, Calif. Canned fruits and vegetables. 191,735; Nov. 18; Serial No. 199,746; published Sept. 2, 1924.

Foreign Manufacturers Sales Corporation, New York, N. Y. Toy boxes for cigarettes and matches. 191,861; Nov. 18; Serial No. 193,130; published Sept. 9, 1924.

Frankel, Irving A., doing business as Prudential Shirt Company, New York, N. Y. Men's dress shirts. 191,849; Nov. 18; Serial No. 197,873; published Sept. 2, 1924.

Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties and cravats. 191,815; Nov. 18; Serial No. 198,063; published Sept. 2, 1924.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh oranges. 191,743; Nov. 18; Serial No. 199,054; published Sept. 2, 1924.

G. N. C. Manufacturing Company, New York, N. Y. Dresses. 191,805; Nov. 18; Serial No. 198,333; published Sept. 2, 1924.

Gaebler, Adolph N., doing business as King Mfg. Co., St. Louis, Mo. Medicinal tonic for dyspepsia, indigestion, etc. 191,836; Nov. 18; Serial No. 199,778; published Sept. 2, 1924.

General Oil Corporation, Birmingham, Ala. Gasoline and blended motor fuels. 191,876; Nov. 18; Serial No. 199,913; published July 22, 1924.

Gidding, J. M., & Co., Incorporated, New York, N. Y. Dresses for women, misses, and children. 191,808; Nov. 18; Serial No. 197,429; published Sept. 2, 1924.

Gin-O-Pep Company, (See Henninger, Clive A.)

Godfrey, E. R., & Sons Co., Milwaukee, Wis. Canned goods, evaporated milk, coffee, and powdered sugar. 191,868; Nov. 18; Serial No. 199,687; published Sept. 9, 1924.

Golf Shaft and Block Company, Memphis, Tenn. Wooden golf heads, baseball bats, etc. 191,758; Nov. 18; Serial No. 195,280; published Sept. 2, 1924.

Goodrich, William O., Company, Milwaukee, Wis. Linseed-oil meal and cake. 191,880; Nov. 18; Serial No. 195,819; published Sept. 9, 1924.

Goodwear Millinery Co., (See Zubrinsky, Hyman.)

Grayona Needlecraft Corporation, New York, N. Y. Children's dresses. 191,706; Nov. 18; Serial No. 198,569; published Aug. 26, 1924.

Greene, Tweed & Co., New York, N. Y. Packings. 191,881; Nov. 18; Serial No. 194,906; published Sept. 2, 1924.

Guaranty Cycle Company, St. Louis, Mo. Bicycles, tricycles, and velocipedes. 191,793; Nov. 18; Serial No. 199,694; published Sept. 2, 1924.

Guggenheim, Eli, doing business as Character Case Company, Cincinnati, Ohio. Receptacle designed for containing apparatus and paraphernalia used in a game and racks used therewith. 191,857; Nov. 18; Serial No. 192,570; published Sept. 9, 1924.

Hacker Pleating Co., Inc., New York, N. Y. Tucked, corded, etc., fancy stitched cotton, silk, wool, or worsted fabrics. 191,782; Nov. 18; Serial No. 199,284; published Aug. 26, 1924.

Halford, Winfred H., doing business as Halford Co., Somerville, Mass. Beverage and extracts for making same. 191,856; Nov. 18; Serial No. 199,502; published Sept. 9, 1924.

Hardie Brothers, Pittsburgh, Pa. Candy. 191,742; Nov. 18; Serial No. 199,061; published Sept. 2, 1924.

Health Swing Co., Inc., Seattle, Wash. Swings. 191,858; Nov. 18; Serial No. 196,193; published Sept. 9, 1924.

Hearn, Charles C., Quincy, Mass. Remedy for headache. 25,375; renewed Oct. 16, 1924.

Henninger, Clive A., doing business as Gin-O-Pep Company, Shamokin, Pa. Soft drink. 191,092; Nov. 18; Serial No. 181,117; published Sept. 2, 1924.

Herbert Packing Co., Inc., San Jose, Calif. Canned fruits and vegetables. 191,873; Nov. 18; Serial No. 200,444; published Sept. 9, 1924.

Higgins Manufacturing Company, Providence, R. I. Cooking or shortening compound. 191,756; Nov. 18; Serial No. 196,298; published Sept. 2, 1924.

Hilpert, Meier G., Bethlehem, Pa. Coaster runway slides for children. 191,766; Nov. 18; Serial No. 188,905; published Sept. 2, 1924.

Hinkley, John L., doing business as Kay-O Manufacturing Co., Poughkeepsie, N. Y. Tar and grease remover and cleaner. 191,779; Nov. 18; Serial No. 198,873; published Aug. 26, 1924.

Hisey, C. K., and Co., Wellington, Ohio, assignors to The Hisey Dental Manufacturing Company, St. Louis, Mo. Local anesthetic for the painless extracting of teeth. 26,240; renewed Mar. 19, 1925.

Hoffmann-Hayman Coffee Co., San Antonio, Tex. Tea. 191,859; Nov. 18; Serial No. 197,955; published Sept. 9, 1924.

Hope Knitting Co., Inc., Coboes, N. Y. Sport or sweater coats. 191,905; Nov. 18; Serial No. 199,905; published Sept. 2, 1924.

Hopkins, B. A., Sons, Sodas, N. Y. Pancake flour. 191,871; Nov. 18; Serial No. 200,319; Sept. 9, 1924.

Hunt, Helen, Ferris & Co., Harvard, Ill. Children's wagons, scooters, and cars. 191,855; Nov. 18; Serial No. 189,787; published Sept. 9, 1924.

Independent Baking Company, Davenport, Iowa. Sugar-wafer bar. 191,860; Nov. 18; Serial No. 197,939; published Sept. 9, 1924.

International Milling Company, Minneapolis, Minn. Wheat flour. 191,835; Nov. 18; Serial No. 199,992; published Sept. 2, 1924.

International Milling Company, Minneapolis, Minn. Wheat flour. 191,870; Nov. 18; Serial No. 199,991; published Sept. 2, 1924.

Jigger, Limited, London, England. Bags, trunks, suitcases, etc. 191,803; Nov. 18; Serial No. 195,002; published Sept. 2, 1924.

Johnson, Belle, Boston, Mass. Women's combination undergarment. 191,802; Nov. 18; Serial No. 194,352; published Sept. 2, 1924.

Kalisher, John J., New York, N. Y. Clothing. 191,804; Nov. 18; Serial No. 196,343; published Sept. 2, 1924.

Keenan, Walter J., Cincinnati, Ohio. Motor fuel. 191,721; Nov. 18; Serial No. 196,872; published July 22, 1924.

Kell, Francis, & Son, assignor to Francis Kell & Son, Inc., New York, N. Y. Builders electrical material. 26,174; renewed Mar. 5, 1925.

Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 191,892; Nov. 18; Serial No. 177,076; published Sept. 2, 1924.

Keystone Lubricating Company, Philadelphia, Pa. Oils and greases. 191,852; Nov. 18; Serial No. 179,797; published June 24, 1924.

Killian, W. H., Co., The, Baltimore, Md. Canned goods. 191,746; Nov. 18; Serial No. 198,806; published Sept. 2, 1924.

Kinesthetic Process Co., Inc., Long Island City, N. Y. Golf balls. 191,731; Nov. 18; Serial No. 199,996; published Sept. 2, 1924.

King Mfg. Co., (See Gaebler, Adolph N.)

Kitzinger, Harry, doing business as Harry Kitzinger & Company, New York, N. Y. Ladies' coats. 191,806; Nov. 18; Serial No. 197,031; published Sept. 2, 1924.

Koch, F. A., & Co., assignor to F. A. Koch & Co., New York, N. Y. Knives, razors, and scissors. 25,349; renewed Oct. 16, 1924.

Krause's, (See Tru-Blu Biscuit Company.)

L. & R. Company, The, Providence, R. I. Handkerchiefs. 191,834; Nov. 18; Serial No. 200,109; published Sept. 2, 1924.

La Perfecta Laboratories, (See Steiner, Joseph.)

Lake Mills Canning Company, Lake Mills, Iowa. Canned corn. 191,875; Nov. 18; Serial No. 200,563; published Sept. 9, 1924.

Lawrence, W. W., & Company, Pittsburgh, Pa. Varnish stain. 191,741; Nov. 18; Serial No. 199,120; published Sept. 2, 1924.

Ledger, Herbert B., Corp., New York, N. Y. Linen piece goods. 191,770; Nov. 18; Serial No. 179,803; published Sept. 2, 1924.

Lee-Marion Company, Chicago, Ill. Lamp shades. 191,697; Nov. 18; Serial No. 191,330; published Sept. 2, 1924.

Leigh Chemist, Inc., New York, N. Y. Soaps. 191,904; Nov. 18; Serial No. 199,904; published Sept. 2, 1924.

Lescarboura, Louis, Athens, N. Y. Fresh mushrooms. 191,827; Nov. 18; Serial No. 199,287; published Sept. 2, 1924.

Little Bear Specialties Company, (See Amen, Nicholas C.)

Lowe, Joe, Co., Inc., Brooklyn, N. Y. Cake, ice cream, and bread. 191,797; Nov. 18; Serial No. 178,108; published Sept. 2, 1924.

Lowville Cheese Company, Lowville, N. Y. Cheese. 191,885; Nov. 18; Serial No. 189,683; published Sept. 2, 1924.

Luknowich, Jerome, New Orleans, La. Mops and brooms. 191,732; Nov. 18; Serial No. 199,843; published Sept. 2, 1924.

Magic Jewelry Company, (See Duty, Mabel C.)

Mald-Rite Corporation, Brooklyn, N. Y. Slippers. 191,696; Nov. 18; Serial No. 188,666; published Aug. 26, 1924.

Malsonite Company, Cleveland, Ohio. Polishes. 191,737; Nov. 18; Serial No. 199,367; published Sept. 2, 1924.

Mallory Hat Company, The, Danbury, Conn. Hats. 191,907; Nov. 18; Serial No. 199,907; published Sept. 2, 1924.

Manfield & Sons, Limited, Northampton, England. Overshoes. 191,882; Nov. 18; Serial No. 194,559; published Aug. 26, 1924.

Maple Dell Candy Company, The, Columbus, Ohio. Coconut candy. 191,755; Nov. 18; Serial No. 196,395; published Sept. 2, 1924.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 191,714; Nov. 18; Serial No. 198,009; published Aug. 26, 1924.

Matson, Don F., doing business as The Don F. Matson Company, Monessen, Pa. Printed cards. 191,703; Nov. 18; Serial No. 194,280; published Aug. 26, 1924.

McCutcheon, T. P., & Bro., Incorporated, Philadelphia, Pa. Hosiery and neckties. 191,778; Nov. 18; Serial No. 198,718; published Aug. 26, 1924.

Midland Flour Milling Co., The, Kansas City, Mo. Wheat shorts. 191,821; Nov. 18; Serial No. 198,754; published Sept. 2, 1924.

Miller, H. W., & L. P. Miller, Paw Paw, W. Va. Fresh deciduous fruits. 191,819; Nov. 18; Serial No. 198,692; published Sept. 9, 1924.

Mohawk Rubber Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes. 191,822-3; Nov. 18; Serial Nos. 198,876-7; published Aug. 12, 1924.

Moore & Evans, Chicago, Ill. Catalogues. 191,707; Nov. 18; Serial No. 198,531; published Aug. 26, 1924.

Moore, William R., Dry Goods Company, Memphis, Tenn. Hosiery, underwear, and sweaters. 191,847; Nov. 18; Serial No. 198,022; published Sept. 2, 1924.

Mueller, George J., Inc., Washington, D. C. Candy. 191,729; Nov. 18; Serial No. 200,217; published Sept. 2, 1924.

Mundet, L. & Son, Inc., Brooklyn, N. Y. Bottle corks and caps, and cork bulletin boards. 191,795; Nov. 18; Serial No. 199,950; published Aug. 26, 1924.

New Jersey Zinc Company, The, Newark and Franklin Borough, N. J. Mixed paint and paint paste. 191,727; Nov. 18; Serial No. 200,275; published Sept. 2, 1924.

Newton Falls Paper Company, Newton Falls and New York, N. Y. Bond and ledger paper. 191,912; Nov. 18; Serial No. 199,912; published Sept. 2, 1924.

Nichols Mfg. Co., The, Bridgeport, Conn. Puffed elastic. 191,709; Nov. 18; Serial No. 198,467; published Aug. 26, 1924.

Nicholson-Feinberg, Inc., New York, N. Y. Hosiery for children and infants. 191,801; Nov. 18; Serial No. 194,018; published Sept. 2, 1924.

North British Rubber Co., Limited, Edinburgh, Scotland, and London, England. Rubber-soled shoes, rubber overshoes, waterproof clothing, and other rubber goods. 25,865; renewed Jan. 15, 1925.

Oelwein Chemical Company, (See Rhine, Earl.)

Ohio State University, The, Columbus, Ohio. Periodical. 191,813; Nov. 18; Serial No. 197,768; published Aug. 10, 1924.

Omaha Packing Company, Chicago, Ill. Hams. 191,765; Nov. 18; Serial No. 190,027; published Sept. 2, 1924.

Oriental Silk Printing Company, Haledon, N. J. Textile fabrics. 191,753; Nov. 18; Serial No. 197,108; published July 22, 1924.

Osakeyhtiö, Savo, Ltd., Kuopio, Finland. Matches. 191,749; Nov. 18; Serial No. 198,084; published Sept. 2, 1924.

Parvan Co., The, San Francisco, Calif. Amusement game device. 191,897; Nov. 18; Serial No. 199,242; published Sept. 9, 1924.

Patons & Baldwins Limited, (See Baldwin, J. & J., assignor.)

Payne, Walter W., Huntington, W. Va. Animal feed. 191,825; Nov. 18; Serial No. 199,242; published Sept. 9, 1924.

Penny, Salvator, Paltades Park, N. J. Syrup sold as a flavoring for soft drinks. 191,684; Nov. 18; Serial No. 145,474; published Sept. 2, 1924.

Penslar Company, The, Detroit, Mich. Toothbrushes. 191,724; Nov. 18; Serial No. 200,637; published Sept. 2, 1924.

Perfect Garment Co., Baltimore, Md. Children's dresses and middie blouses. 191,910; Nov. 18; Serial No. 199,910; published Sept. 2, 1924.

Peter Paul Candy Manufacturing Company, Incorporated, Naugatuck, Conn. Candy. 191,887; Nov. 18; Serial No. 186,198; published Sept. 2, 1924.

Petroleum Co., The, Whiting, Ind. Bugs, borders, ball runners, etc. 191,773; Nov. 18; Serial No. 172,762; published Sept. 2, 1924.

Petroleum Publishing Company, Tulsa, Okla. Weekly publication. 191,720; Nov. 18; Serial No. 197,044; published Aug. 26, 1924.

Pickaninny Company, The, Baltimore, Md. Salad oil. 191,890; Nov. 18; Serial No. 180,886; published Sept. 2, 1924.

Pinkerton Tobacco Co., The, Toledo, Ohio. Smoking and chewing tobacco and cigarettes. 191,763; Nov. 18; Serial No. 193,190; published Sept. 2, 1924.

Pitton, James G., Denver, Colo. Parlor table game. 191,747; Nov. 18; Serial No. 198,472; published Sept. 2, 1924.

Pittsburg Water Heater Company, Pittsburg, Pa. Hot water heaters and storage systems. 191,901; Nov. 18; Serial No. 199,901; published Sept. 2, 1924.

Plympton Paper Products Corp., Mount Vernon, N. Y. Milk-bottle caps. 191,900; Nov. 18; Serial No. 199,900; published Sept. 2, 1924.

Premier Syndicate, Inc., New York, N. Y. Newspaper section. 191,846; Nov. 18; Serial No. 198,086; published Aug. 5, 1924.

Prince, H. G., & Co., Fruitvale, Oakland, Calif. Canned fruits, berries, vegetables, and tomato catchup. 191,869; Nov. 18; Serial No. 199,720; published Sept. 9, 1924.

Progressive Knitting Works, Inc., Brooklyn, N. Y. Silk fabrics and artificial silk knitted in the piece. 191,699; Nov. 18; Serial No. 192,496; published Sept. 2, 1924.

Prudential Shirt Company, (See Frankel, Irving A.)

R & G Corset Company, Inc., New York, N. Y. Corsets. 191,713; Nov. 18; Serial No. 198,250; published Aug. 26, 1924.

R-K Shield Co., Chicago, Ill. Dress shields. 191,708; Nov. 18; Serial No. 198,478; published Aug. 26, 1924.

Rand & Crane, Inc., Boston, Mass. Preparation for cleaning and polishing jewelry, etc. 191,772; Nov. 18; Serial No. 180,141; published Aug. 21, 1923.

Rhine, Earl, doing business as Oelwein Chemical Company, Oelwein, Iowa. Mineralized feed. 191,877; Nov. 18; Serial No. 196,763; published Sept. 2, 1924.

Richardson & Company, Lowville, N. Y. Cheese. 191,886; Nov. 18; Serial No. 189,640; published Sept. 2, 1924.

Riley, Sanford, Stoker Company, Worcester, Mass. Underfeed stokers having steam-boller equipment. 191,916; Nov. 18; Serial No. 199,916; published Sept. 2, 1924.

Robinson, H. A., Company, Inc., Lynchburg, Va. Roasted and salted peanuts in package and bulk. 191,820; Nov. 18; Serial No. 198,681; published Sept. 9, 1924.

Runkel Brothers, Inc., New York, N. Y. Chocolate-flavored malted food preparation. 191,832; Nov. 18; Serial No. 199,647; published Sept. 9, 1924.

St. Louis Fireworks Co., St. Louis, Mo., assignor to Unexcelled Manufacturing Company, Inc., New York, N. Y. Fireworks. 26,305; renewed Mar. 26, 1925.

Salant & Salant Inc., New York, N. Y. Work shirts. 191,842-3; Nov. 18; Serial Nos. 197,773-4; published Sept. 2, 1924.

Sauer, J. P., & Sohn, Suhl, Germany. Shotguns, rifles, and pistols and parts thereof. 191,701; Nov. 18; Serial No. 192,928; published Aug. 26, 1924.

Sauerman, John A., Chicago, Ill. Stranded wire cable. 191,911; Nov. 18; Serial No. 199,911; published Sept. 2, 1924.

Scarnmell, Henry, Inc., New York, N. Y. Cheese. 191,824; Nov. 18; Serial No. 199,185; published Sept. 2, 1924.

Scheyer & Co., Chicago, Ill. Men's suits and overcoats and women's overcoats. 191,777; Nov. 18; Serial No. 198,683; published Aug. 26, 1924.

Schreier, Konrad, Co., The, Sheboygan, Wis. Syrups used in the preparation of soft drinks. 191,781; Nov. 18; Serial No. 199,231; published Sept. 9, 1924.

Schultz-Rosky-Block Co., Chicago, Ill. Knitted underwear, sweater coats, bathing suits, etc. 191,725; Nov. 18; Serial No. 198,084; published Aug. 26, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Security Mills, Knoxville, Tenn. Feed. 191,879; Nov. 18; Serial No. 190,933; published Sept. 2, 1924.
See-Clear Co., Boston, Mass. Compound for treating transparent matter. 191,898; Nov. 18.
Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 191,759; Nov. 18; Serial No. 194,671; published Sept. 2, 1924.
Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 191,872; Nov. 18; Serial No. 200,374; published Sept. 9, 1924.
Shane & Hays, Brooklyn, N. Y. Brushes, mops, brooms, shoe daubers, etc. 191,751; Nov. 18; Serial No. 197,837; published Sept. 2, 1924.
Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angoulême, France. Cigarette wrappers made of wheat straw. 25,573; renewed Dec. 4, 1924.
Spencer, A. E. Products Corporation, Buffalo, N. Y. Laundry bluing paddles. 191,906; Nov. 18.
Standard Tilton Milling Co., St. Louis, Mo. Corn meal. 191,829; Nov. 18; Serial No. 199,577; published Sept. 9, 1924.
Standard Tilton Milling Co., St. Louis, Mo. Corn meal, corn chops, cornob meal, and grits. 191,830; Nov. 18; Serial No. 199,578; published Sept. 9, 1924.
Standard Furniture Manufacturing Company, The. (See Bagby Furniture Company.)
Standard Oil Company (New Jersey), Bayonne, N. J. Insecticides. 191,902; Nov. 18.
Standard Rice Company, Inc., Houston, Tex. Rice. 191,816; Nov. 18; Serial No. 198,991; published Sept. 9, 1924.
Staples, Herbert F., doing business as H. F. Staples & Co., Medford, Mass. Floor wax. 191,739; Nov. 18; Serial No. 199,262; published Sept. 2, 1924.
Steel Stamping Company, The, Lorain, Ohio. Toy telephones. 191,730; Nov. 18; Serial No. 200,125; published Sept. 2, 1924.
Stein, S. & Co., New York, N. Y. Woolen cloths in the piece intended for suitings, etc. 191,774; Nov. 18; Serial No. 194,460; published Sept. 2, 1924.
Steiner, Joseph, doing business as La Perfecta Laboratories, New York, N. Y. Corn remedies. 191,914; Nov. 18.
Strauss, Levi, and Company, San Francisco, Calif. Hosiery. 191,736; Nov. 18; Serial No. 194,887; published Sept. 2, 1924.
Sunset Paint Company, Los Angeles, Calif. House paint, roof paints, paint thinners, etc. 191,760; Nov. 18; Serial No. 193,637; published Aug. 26, 1924.
Supre-Lustre Products Company, Brooklyn, N. Y. Polishes. 191,848; Nov. 18; Serial No. 197,966; published Sept. 2, 1924.
Swift and Company, Chicago, Ill. Soap. 191,698; Nov. 18; Serial No. 192,284; published Aug. 26, 1924.
Swift and Company, Chicago, Ill. Cooked tongue and meat roll, sausages, etc. 191,867; Nov. 18; Serial No. 200,783; published Sept. 9, 1924.
Sykes, Sir Charles, & Sons, Limited, Netherdale, Galashiels, Scotland. Men's overcoats, topcoats, and suits and women's cloaks, etc. 191,841; Nov. 18; Serial No. 198,386; published Sept. 2, 1924.
Toch Brothers, Incorporated, New York, N. Y. Paints and paint enamels. 191,740; Nov. 18; Serial No. 199,134; published Sept. 2, 1924.
Trippe, Barker & Co., New York, N. Y. Cotton piece goods. 191,790; Nov. 18; Serial No. 199,588; published Aug. 26, 1924.

Tru-Blu Biscuit Company, also doing business as Krause's, Spokane, Wash. Candy. 191,767; Nov. 18; Serial No. 184,997; published Sept. 2, 1924.
Tucker & Simmons, Ocala, Fla. Fresh tomatoes. 191,814; Nov. 18; Serial No. 197,970; published Sept. 9, 1924.
Underwood-Talmage Co., The, Dayton, Ohio. Chewing gum. 191,863; Nov. 18; Serial No. 199,407; published Sept. 9, 1924.
Unexcelled Manufacturing Company. (See St. Louis Fireworks Co., assignor.)
Valley Butter Company, Pittsburgh, Pa. Creamery butter. 191,874; Nov. 18; Serial No. 200,467; published Sept. 9, 1924.
Vetterlein Brothers Inc., Philadelphia, Pa. Cigars, cigarettes, smoking and chewing tobacco. 191,865; Nov. 18; Serial No. 200,588; published Sept. 9, 1924.
Vetterlein Brothers Inc., Philadelphia, Pa. Cigars, cigarettes, smoking and chewing tobacco. 191,866; Nov. 18; Serial No. 200,590; published Sept. 9, 1924.
Wanamaker, John, New York, New York, N. Y. Ladies' and misses' suits. 191,680; Nov. 18; Serial No. 179,837; published Aug. 26, 1924.
Warren Company, The, Atlanta, Ga. Paints, stains, varnishes, and paint enamels. 191,810; Nov. 18; Serial No. 197,572; published Sept. 2, 1924.
Washburn-Crosby Company, Minneapolis, Minn. Durum wheat flour. 191,891; Nov. 18; Serial No. 177,756; published Sept. 2, 1924.
Weser, Calvin L., assignor to Weser Bros. Inc., New York, N. Y. Pianos. 26,301; renewed Mar. 26, 1925.
Western Grain Company, Birmingham, Ala. Feed. 191,888; Nov. 18; Serial No. 183,002; published Sept. 2, 1924.
Whirlpool Products Inc., Philadelphia, Pa. Cleanser for general washing purposes. 191,716; Nov. 18; Serial No. 197,574; published Aug. 26, 1924.
White Tar Company, The, New York, N. Y. Mothproof garment bags. 191,748; Nov. 18; Serial No. 198,203; published Sept. 2, 1924.
Whittemore Brothers Corporation, Cambridge, Mass. Material for cleaning and restoring articles made of suede, etc. 191,913; Nov. 18.
Williams, C. B., doing business as C. B. Williams Company, San Francisco, Calif. Fresh deciduous fruits. 191,733; Nov. 18; Serial No. 199,766; published Sept. 2, 1924.
Williams, Percy B. T., Philadelphia, Pa. Combined hand and nail toilet brushes. 191,862; Nov. 18; Serial No. 198,976; published Sept. 9, 1924.
Willmore Laboratory, St. Louis, Mo. Polishing compound or dressing for automobile bodies. 191,837; Nov. 18; Serial No. 199,101; published Sept. 2, 1924.
Winchester Repeating Arms Company. (See Federal Cartridge Corp.)
Winchester Repeating Arms Company, New Haven, Conn. Paper shot shells and metal cartridges. 191,702; Nov. 18; Serial No. 193,147; published Sept. 2, 1924.
Winters, Jonathan H., Company, The. Long-term and installment bonds. 191,769; Nov. 18; Serial No. 198,314; published Sept. 11, 1923.
Youngstown Pressed Steel Company, The, Warren, Ohio. Metal channel iron, studding, bearing strips, and the like. 191,826; Nov. 18; Serial No. 199,272; published Aug. 19, 1924.
Zubrinaky, Hyman, doing business as Goodwear Millinery Co., Los Angeles, Calif. Ladies' hats. 191,909; Nov. 18.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. B. C. Stores, Incorporated, The, Houston, Galveston, and Beaumont, Tex. Paper bags, paper napkins, and toilet paper. 196,282; Nov. 18.
Abrams & Linden, New York, N. Y. Fur coats. 202,968; Nov. 18.
Absolute Con-Tac-Tor Corporation, Beloit, Wis. Mercury switches, parts thereof, etc. 170,965; Nov. 18.
Adams & Kelly Co., Omaha, Nebr. Prepared roofing. 197,466; Nov. 18.
Adler, Morris, New York, N. Y. Shoe laces. 184,374; Nov. 18.
Aeolus Corporation, New York, N. Y. Portable radio receiving sets. 200,377; Nov. 18.
Aeolus Corporation, New York, N. Y. Portable and stationary radio receiving sets. 200,378; Nov. 18.
Aza Auto Lamp Company, Inc., Amesbury, Mass. Electrical tail lamps, head lamps, spotlights, etc. 200,598; Nov. 18.
Aktiebolaget Lidköpings Vikingsägar, Lidköping, Sweden. Spark plugs. 197,349; Nov. 18.
Allied Belting Company, The, Greenville, Ohio. News bags. 203,707; Nov. 18.
Altman, R. & Co., New York, N. Y. Hair nets. 203,614; Nov. 18.
American International Trading Co., New York, N. Y. Electric lamps, bulbs, or miniature lamps. 193,981; Nov. 18.

American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Extractors for removing moisture or cleaning fluids from fabrics, clothing, etc. 201,072; Nov. 18.
American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Drying machines. 201,073; Nov. 18.
American Printing Ink Company, Chicago, Ill. Inks and ingredients thereof. 185,238; Nov. 18.
American Specialty Company, The, Bridgeport, Conn. Radio receiving sets and parts thereof. 202,479; Nov. 18.
Amold Duron Company, New York, N. Y. Leather grease. 200,975; Nov. 18.
Anaconda Copper Mining Company, New York, N. Y. Rivets, screws, nails, etc. 196,634; Nov. 18.
Anderson Brothers Co., Inc., New York, N. Y. Glue. 200,470; Nov. 18.
Anderson, Chris, doing business as The Minneapolis Bottling Company, Minneapolis, Minn. Soft drinks. 201,325; Nov. 18.
Angel, Bernardo, New York, N. Y. Coffee. 200,924; Nov. 18.
Arrow Novelty Co. (See Hornstein, Sophie.)
B. G. Corporation, The, New York, N. Y. Spark plugs. 167,511; Nov. 18.

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Bahnen, C. & Co., Inc., New York, N. Y. Wool-velour coating piece goods. 186,538; Nov. 18.
Bancroft, William, doing business as F. J. Bancroft Company, Pawtucket, R. I. Tennis rackets. 203,556; Nov. 18.
Barton Hat Company, The, Kansas City, Mo. Hats, caps, gloves. 190,281; Nov. 18.
Bastian-Morley Co., Laporte, Ind. Asbestos-felt jackets for water heaters and boilers. 200,707; Nov. 18.
Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Cotton blankets. 201,795-7; Nov. 18.
Behr & Hirtenstein, New York, N. Y. Celluloid ornaments. 203,557; Nov. 18.
Bellows, James, San Francisco, Calif. Mattresses. 187,082; Nov. 18.
Beret-Forster-Dixfield Company, Dixfield, Me., and New York, N. Y. Toothpicks. 203,364; Nov. 18.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 203,295; Nov. 18.
Bonded Products Corporation, New York, N. Y. Soap and soap products. 184,490; Nov. 18.
Boonville Mills Company, Boonville, Mo. Wheat flour. 203,019-21; Nov. 18.
Bowman-Hicks Lumber Company, Wilmington, Del., and Kansas City, Mo. Lumber. 202,095; Nov. 18.
Bradford Dyeing Assn., (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 201,278; Nov. 18.
Bradford Dyeing Assn., (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 203,617; Nov. 18.
Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 201,280-2; Nov. 18.
Bridell, Charles D., Crisfield, Md. Oyster and ice tongs. 203,102; Nov. 18.
Brownley Inc., Washington, D. C. Fudge. 191,526; Nov. 18.
Bruno, C. & Son, Inc., New York, N. Y. Banjos and music stands. 199,773; Nov. 18.
Burton, Price & Company, Inc., New York, N. Y. Silk piece goods, silk ribbons, velvet piece goods, and handkerchiefs. 198,982; Nov. 18.
Butz, Jos. & Son, Brownsville, Tex. Lubricating oils, cup grease, and axle grease. 201,880; Nov. 18.
California Laboratories, Inc., Los Angeles, Calif. Flavoring extracts, marmalades, jams, jellies, etc. 202,050; Nov. 18.
California Painted Fabric Co., Los Angeles, Calif. Awning stripes painted and woven. 199,774; Nov. 18.
Canova, Leon J., Miami, Fla. Fruits, vegetables, jellies, etc. 202,793; Nov. 18.
Carter Clothing Corporation, New York, N. Y. Suits, overcoats, and raincoats. 202,550; Nov. 18.
Carter, Ralph B., Company, New York, N. Y. Pumps and internal-combustion engines and parts thereof. 203,224; Nov. 18.
Century Cork Co., New York, N. Y. Corks for stoppering bottles, etc. 203,368; Nov. 18.
Chameleon Company, Inc., New York, N. Y. Large non-electrical signs and stage scenery. 183,465; Nov. 18.
Cheney Brothers, South Manchester, Conn. Woven, knitted, etc. fabrics in the piece. 203,400; Nov. 18.
Cluett, Peabody & Company, Inc., Troy, N. Y. Dress and negligee shirts. 203,226; Nov. 18.
Cohen, H. & J. D., Inc., New York, N. Y. Coats and suits. 201,695; Nov. 18.
College Inn Food Products Company, doing business as College Inn Food Department of the Hotel Sherman Company, Chicago, Ill. Canned food products. 200,749; Nov. 18.
Collins, Othello W., doing business as Othello W. Collins & Co., Chicago, Ill. Hairdressing. 203,258; Nov. 18.
Columbia Mills, Incorporated, The, New York, N. Y. Window shades. 190,533; Nov. 18.
Columbia River Packers Association, Astoria, Oreg. Canned salmon. 201,022; Nov. 18.
Comet Textile Co. Inc., New York, N. Y. Fabric gloves and hosiery. 202,240; Nov. 18.
Comet Textile Co. Inc., New York, N. Y. Fabric gloves and hosiery. 202,242; Nov. 18.
Cook, Paul L., doing business as Spring City Hosiery Mills, Spring City, Pa. Ladies' hosiery. 202,933; Nov. 18.
Coppeland & Ryder Company, Jefferson, Wis. Leather shoes. 198,055; Nov. 18.
Corona Chemical Company, Inc., New York, N. Y. Reducing salts. 203,402; Nov. 18.
Crawford-Austin Manufacturing Co., Waco, Tex. Detachable wagon covers. 198,122; Nov. 18.
Crooks-Dittmar Co., The, Williamsport, Pa. Waterproof paper. 203,299; Nov. 18.
Crowe Drug Co. Inc., doing business as Nodan Laboratories, Stuttgart, Ark. Treatment for dandruff. 203,619; Nov. 18.
Crumb & Snyder Co., Pasadena, Calif. Dust cloths. 203,229; Nov. 18.
Dab Co., The. (See Main, Claude H.)
Danziger-Jones, Inc., New York, N. Y. Variable or variometer transformers for use in radio receiving and other circuits. 202,614; Nov. 18.

David, John, New York, N. Y. Men's suits, vests, coats, trousers, etc. 200,094; Nov. 18.
De Bruyn, Marius, doing business as M. De Bruyn Importing Co., New York, N. Y. Canned peppers. 199,539; Nov. 18.
Deltos Grass Rug Company, Oshkosh, Wis. Woven wool rugs. 152,607; Nov. 18.
Desmond Clothing Co., Los Angeles, Calif. Men's suits and overcoats. 203,456; Nov. 18.
Detroit Commerce Company, Detroit, Mich. Condensed and evaporated milk. 203,113; Nov. 18.
Dinkelspiel, L. Co., Inc., San Francisco, Calif. Hosiery, underwear, negligee and golf shirts, and sleeping garments. 203,560; Nov. 18.
Ditzler, Ray L., Huntington, Ind. Poultry. 202,287; Nov. 18.
Doptoglon Bros. of N. Y., New York, N. Y. Wheat flour. 200,248; Nov. 18.
Dunbar-Dukate Co., Inc., Biloxi, Miss. Crushed oyster shells for poultry. 203,260; Nov. 18.
Dunleavy, George W., Cambridge, Mass. Face creams, hair tonics, and toilet waters. 201,492; Nov. 18.
Dunn, Leonidas V. J., Philadelphia, Pa. Medicinal preparation for syphilis, venereal diseases, also a blood purifier. 202,191; Nov. 18.
Duravolt Storage Battery Co. (See Jones, Walter A.)
Elsner, Hermann, Berlin, Germany. Master record plates for phonograph and graphophone records. 190,876; Nov. 18.
Electrical Research Laboratories, Chicago, Ill. Electrical apparatus. 198,851; Nov. 18.
Electrical Research Laboratories, Chicago, Ill. Variable condensers. 202,610; Nov. 18.
Empire Mattress Company, Chicago, Ill. Mattresses. 202,617; Nov. 18.
Endicott Johnson Corporation, Endicott, N. Y. Leather shoes. 197,140; Nov. 18.
Epstein, H. & L., Inc., St. Louis, Mo. Men's and boys' coats, vests, trousers, etc. 202,551; Nov. 18.
Est. Henry C. Miner, Inc., New York, N. Y. Astrinents, bleach creams, cleansing oils, etc. 203,637; Nov. 18.
Evr Klean Seat Pad Co., St. Louis, Mo. Seat pads and cushions. 201,550; Nov. 18.
Excelsior Salline Water Company, Excelsior Springs, Mo. Natural mineral waters. 202,053; Nov. 18.
Fishwick, Albert B., doing business as Fishwick Radio Company, Cincinnati, Ohio. Radio antennae. 200,355; Nov. 18.
Fretz, S. S., Jr., & Co., Philadelphia, Pa. Nipples. 203,407-8; Nov. 18.
Fries & Fries Company, The, Cincinnati, Ohio. Rubbing alcohol. 203,375; Nov. 18.
Gardner-Barada Chemical Co., Chicago, Ill. Adhesive preparation. 201,027; Nov. 18.
General Import & Export Trading Co. Inc., New York, N. Y. Women's, girls', and misses' clothing. 195,278; Nov. 18.
Gerhardt, Jacob, & Sons, New York, N. Y. Work, dress, and negligee shirts. 199,616; Nov. 18.
Germont Publishing Co., New York, N. Y. Monthly magazine. 202,503; Nov. 18.
Ges Tana Co. (See Latta, Robert E.)
Gibson, Dick, Miami, Okla. Cigars. 203,465; Nov. 18.
Gilmore, Bermond & Co., Inc., New York, N. Y. Pure linens in the piece. 200,814; Nov. 18.
Gilmore, Bermond & Co., Inc., New York, N. Y. Mercerized linen in the piece. 200,815; Nov. 18.
Glaser, Emil, doing business as Times Watch Co., New York, N. Y. Watches, watch dials, and watchworks. 200,145; Nov. 18.
Glasold Company, Cincinnati, Ohio. Flexible transparent material. 177,843; Nov. 18.
Goodrich, B. F., Company, The, New York, N. Y. Rubber linings for sleeves, conduits, receptacles, etc. 203,077; Nov. 18.
Grand Rapids Bedding Company, Grand Rapids, Mich. Wire bed springs. 202,990; Nov. 18.
Great Outdoors Association, Inc., Boston, Mass. Magazines published quarterly. 199,353; Nov. 18.
Greene, Lloyd C., Winthrop, Mass. Complete wireless receiving sets. 196,915; Nov. 18.
Greif, L. & Bro. Incorporated, Baltimore, Md. Outer clothing. 187,739; Nov. 18.
Gulnn, S. E., Mfg. Co., Cincinnati, Ohio. Pyrophoric lighters, gas lighters, etc. 182,800; Nov. 18.
Gumaer, George S., Coronado, Calif. Shoes. 197,596; Nov. 18.
Gyatt, Edward A., Cortland, N. Y. Salve. 202,662; Nov. 18.
Hagenbaugh, William L., doing business as Master Lubricants Company, Los Angeles, Calif. Lubricating oils and greases. 200,762; Nov. 18.
Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and watches and parts thereof. 202,629-30; Nov. 18.
Happy Home Steam Washing Machine Co. Inc., The, Logan and Sycamore, Ohio. Laundry washing machines. 201,236; Nov. 18.
Hawley & Hoops, New York, N. Y. Candy. 202,209-10; Nov. 18.
Heller, B. & Company, Chicago, Ill. Cocoa sauce. 203,377; Nov. 18.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Henrich-Luebert Mfg. Co. Inc., San Francisco, Calif. Tents. 202,343; Nov. 18.
 Hershey Brothers, Pittsburgh, Pa. Chocolate and cocoa products. 201,863; Nov. 18.
 Hess Brothers, Allentown, Pa. Men's and boys' suits and overcoats. 201,194; Nov. 18.
 Hill, Van Dyke, New York, N. Y. Motion-picture-projecting machines. 203,272; Nov. 18.
 Hilsenbeck, Louis, New York, N. Y. Prophylactic rubber articles for the prevention of contagious diseases. 203,237; Nov. 18.
 Hoagland, Meryl C., Eastwood, N. Y. Ice cream, ices, and candles. 201,754; Nov. 18.
 Hofmann Engineering Co., Chicago, Ill. Liquid-fuel burners or heaters. 203,469; Nov. 18.
 Holland Shoe Co., Holland, Mich. Leather boots and shoes. 202,870; Nov. 18.
 Hornstein, Sophie, doing business as Arrow Novelty Co., New York, N. Y. Fur trimmings for wearing apparel. 202,807; Nov. 18.
 Hotze, Henry, & Sons Company, St. Louis, Mo. Golf bags. 203,572; Nov. 18.
 Huebschman, Hyman, doing business as Rita Perfume Co., Brooklyn, N. Y. Hair tonics, bay rum, toilet water, perfumes, etc. 198,586; Nov. 18.
 Imlay, F., doing business as Liberty Candy Co., Oklahoma City, Okla. Candies. 201,993; Nov. 18.
 Inecto, Inc., New York, N. Y. Hair dye. 203,633-4; Nov. 18.
 Jaffee, L. J. & C. D. Inc., New York, N. Y. Suits for boys. 201,035; Nov. 18.
 Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 203,129-30; Nov. 18.
 Johnson, Harold, doing business as Super-Sete Mfg. Co., New York, N. Y. Auxiliary window sills. 201,197; Nov. 18.
 Jones, Walter A., doing business as Duravolt Storage Battery Co., Chicago, Ill. Storage batteries, and radio A and B batteries. 202,507; Nov. 18.
 Kargo Manufacturing Co., Los Angeles, Calif. Motor-fuel ingredient. 203,082; Nov. 18.
 Keen, Robinson & Company, Limited, London, England. Food for infants and invalids. 203,318; Nov. 18.
 Kimball, Alfred, Shoe Co., Lawrence and Boston, Mass. Men's leather shoes. 202,754; Nov. 18.
 Kimley Electric Company, Inc., Buffalo, N. Y. A and B batteries, battery-charging-current rectifiers, and radio receiving outfits. 196,248; Nov. 18.
 Knickerbocker Watch Co., New York, N. Y. Watches and watch movements. 201,295; Nov. 18.
 Kopper Kraft Shops, Inc., The, Buffalo, N. Y. Boxes, desk trays, vases, and flower holders. 202,021; Nov. 18.
 Kops Bros. Inc., New York, N. Y. Corsets, brassieres, and underwear. 203,577; Nov. 18.
 Kreeger Store, Incorporated, The, New Orleans, La. Hosiery. 202,963; Nov. 18.
 Kuhl & Bent Company, Chicago, Ill. Monthly magazines. 191,887; Nov. 18.
 Lampert, M. J., & Sons, Inc., New York, N. Y. Watch mainsprings, stems, balance staffs, etc. 198,948; Nov. 18.
 Lang Knitting Mills, Inc., New York, N. Y. Knitted silk fabrics of silk and artificial silk. 200,999; Nov. 18.
 Latta, Robert E., doing business as Ges Tans Co., Atlanta, Ga. Medicine for the relief of indigestion. 199,793; Nov. 18.
 Lawrence, H., Chemical Company. (See Zoernig, Herbert L.)
 Lawrence Publications. (See Stein, Lawrence S.)
 Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Self-rising wheat flour. 201,000; Nov. 18.
 Lengsfeld Brothers, New Orleans, La. Paper boxes. 202,815; Nov. 18.
 Lenthic Inc., New York, N. Y. Toilet preparations. 202,402-3; Nov. 18.
 Lenthic Inc., New York, N. Y. Toilet preparations. 202,405-8; Nov. 18.
 Leslie-Judge Company, New York, N. Y. Heading for magazine articles. 202,590; Nov. 18.
 Liberty Candy Co. (See Imlay, F.)
 Lincoln Sales Co., Detroit, Mich. Washing machines and wringers. 195,011; Nov. 18.
 Linen Thread Company, The, Paterson, N. J., and New York, N. Y. Linen thread. 200,567; Nov. 18.
 Lionel Trading Co., Inc., New York, N. Y. Perfumes. 183,797; Nov. 18.
 Lyon Metallic Manufacturing Company, Aurora, Ill. Lockers, desks, tables, and storage cabinets. 197,608; Nov. 18.
 MacFadden Publications, Inc., New York, N. Y. Magazine. 183,931; Nov. 18.
 Main, Claude H., doing business as The Dab Co., New York, N. Y. Antiseptic hailing powder. 203,638; Nov. 18.
 Mammoth Hosiery Mills, Philadelphia, Pa. Ladies' hosiery. 202,881-2; Nov. 18.
 Master Lubricants Company. (See Hagenbaugh, William L.)
 Mattel, Charles J., doing business as The Noxage Laboratories Company, Denver, Colo. Gland tablets. 203,322; Nov. 18.
 McCorkle, D. H., Mfg. Co., Oakland, Calif. Gas-burning radiant heaters. 174,904; Nov. 18.
 Medicine Company. (See Morganstern, Richard.)
 Mellenthin, Michael A., doing business as The Toned Company, Los Angeles, Calif. Compound for treatment of enlarged tonsils, adenoids, etc. 203,280; Nov. 18.
 Mendelsohn, Max, Chicago, Ill. Hosiery. 202,593; Nov. 18.
 Metropolitan Art Glass Co., Inc., New York, N. Y. Combination electric table and floor lamps. 185,831; Nov. 18.
 Midnight Publishing Corporation, New York, N. Y. Magazine. 184,344; Nov. 18.
 Migel, J. A., Inc., Bergen, N. J., and New York, N. Y. Silk piece goods. 201,462; Nov. 18.
 Miniature Incandescent Lamp Corporation, Newark, N. J. Electrical incandescent lamps. 189,200; Nov. 18.
 Minneapolis Bottling Company, The. (See Anderson, Chris.)
 Molasses Feeds Company, St. Paul, Minn. Stock food. 200,214; Nov. 18.
 Morganstern, Richard, doing business as Medicine Company, New York, N. Y. Vaginal suppository. 201,299; Nov. 18.
 Morrell, John, & Co., Ottumwa, Iowa. Monthly magazine. 202,413; Nov. 18.
 Morshin, Louis, Newark, N. J. Shoes. 170,253; Nov. 18.
 Nacomee Company, The. (See Thomas, Chas. B.)
 National Department Stores Inc., New York, N. Y. Trunks. 200,512; Nov. 18.
 National Department Stores Inc., New York, N. Y. Jewelry. 200,513; Nov. 18.
 National Renovating & Supply Co., Kansas City, Mo. Liquid soap. 198,581; Nov. 18.
 Neuhoff Packing Company, Nashville, Tenn. Bacon bellies. 202,177; Nov. 18.
 Neuhoff Packing Company, Nashville, Tenn. Ham. 202,178; Nov. 18.
 New England Mills Company, The, Chicago, Ill. Auto lamps, timers, batteries, spark plugs, etc. 187,760; Nov. 18.
 New Haven Clock Co., The, New Haven, Conn. Clocks and watches. 202,301; Nov. 18.
 New Haven Clock Co., The, New Haven, Conn. Clocks. 202,945; Nov. 18.
 New Zealand Co-operative Dairy Company Limited, The, Hamilton, New Zealand. Butter and cheese. 168,331; Nov. 18.
 Nodan Laboratories. (See Crowe Drug Co.)
 Norfolk Poultry Company, Norfolk, Nebr. Dressed poultry. 202,354; Nov. 18.
 Northwestern Rubber Company, Akron, Ohio, and Liverpool, England. India rubber. 200,634; Nov. 18.
 Norton Bros. & Morris, Los Angeles, Calif. Men's dress pants, work pants, and overalls. 202,635; Nov. 18.
 Noxage Laboratories Company, The. (See Mattel, Charles J.)
 Ocean Lumber Co., San Francisco, Calif. Lumber. 198,469; Nov. 18.
 Okonite Company, The, Passaic, N. J. Adhesive and friction tapes. 202,217-18; Nov. 18.
 Onyx Oil & Chemical Co., Jersey City, N. J. Product for producing a rustling effect on silk, etc. 203,428; Nov. 18.
 Onyx Oil & Chemical Co., Jersey City, N. J. Product for use in connection with removal of ceresin gum from silk. 203,431; Nov. 18.
 Onyx Oil & Chemical Co., Jersey City, N. J. Product to be used in kier boiling for the removal of starches, etc., from cotton. 203,432; Nov. 18.
 Onyx Oil & Chemical Co., Jersey City, N. J. Product to produce a soft effect on all fiber. 203,433; Nov. 18.
 Orange Crush Co., Chicago, Ill. Beverages and compounds and concentrates for producing the same. 201,973; Nov. 18.
 O'Reilly, Hugh P., Washington, D. C. Machine to record sound magnetically. 191,504; Nov. 18.
 Osland, Inc., New York, N. Y. Phonographs. 183,987; Nov. 18.
 Pacific Adhesive Products Company. (See Uman, George L.)
 Parfums Hebe, Inc., New York, N. Y. Talcum and face powders. 203,328; Nov. 18.
 Park Bros. Inc., Portland, Oreg. Graham and other crackers, lunch cookies, rolled oats, etc. 185,905; Nov. 18.
 Parsons & Scoville Company, Evansville, Ind. Cigars. 203,483; Nov. 18.
 Pecora Paint Co., Philadelphia, Pa. Acid-proof and fireproof cement or lute. 186,247; Nov. 18.
 Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Liquid chlorine, chlorinated lime, caustic soda, etc. 202,565; Nov. 18.
 Perfect Powder Puff Co. (See Sharp, L. R.)
 Periodical Publishing Company, Grand Rapids, Mich. Monthly publication. 200,897; Nov. 18.
 Physicians & Surgeons Laboratories, The. (See Regelson, Morris.)

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Plee-Zing Corporation, The, New York, N. Y. Laundry starch. 203,146; Nov. 18.
 Pollard Oil Company, Inc., Sioux City, Iowa. Fuel oils, lubricating oils and greases. 200,680; Nov. 18.
 Pontier, Andrew J., Clifton, N. J. Plasters for the treatment of boils, cuts, bruises, and wounds. 203,052; Nov. 18.
 Queen City Petroleum Products Company, The, Cincinnati, Ohio. Motor-lubricating oils and greases. 201,579; Nov. 18.
 Queen City Petroleum Products Company, The, Cincinnati, Ohio. Gasoline. 201,580; Nov. 18.
 Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 196,757-8; Nov. 18.
 Regelson, Morris, doing business as The Physicians & Surgeons Laboratories, New York, N. Y. Vaginal suppositories. 200,729; Nov. 18.
 Reid, George C., Los Angeles, Calif. Magazine. 203,291; Nov. 18.
 Richardson Company, The, Lockland, Ohio. Shingles. 183,759; Nov. 18.
 Rita Perfume Co. (See Huebschman, Hyman.)
 Rose Overall & Shirt Company, Baltimore, Md. Work shirts. 200,372; Nov. 18.
 Rose Overall & Shirt Company, Baltimore, Md. Overalls. 200,373; Nov. 18.
 Roufa Brothers, St. Louis, Mo. Boots and shoes. 200,867; Nov. 18.
 Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Gelatin desserts. 197,115; Nov. 18.
 Royal Card & Paper Co., New York, N. Y. Envelope-lining papers. 202,898; Nov. 18.
 Rubber Service Laboratories Company, The, Akron, Ohio. Insecticidal composition and insect repellent and preventive. 203,649; Nov. 18.
 "S. O. S." Game Company. (See Wrightson, Elsie M.)
 Sabin Electrical Products Corporation, The, Jersey City, N. J. Devices for transforming electric power from lighting and power current sources into current suitable for operating electron tubes in place of batteries. 195,127; Nov. 18.
 Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 203,593; Nov. 18.
 Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 203,595; Nov. 18.
 Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 203,597; Nov. 18.
 Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 203,599; Nov. 18.
 Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 203,601; Nov. 18.
 Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 203,603; Nov. 18.
 Schirm, J. S., Commercial Company, San Diego, Calif. Exterior plaster stucco for buildings, etc. 182,840; Nov. 18.
 Schmidt, Carl E., and Company, Inc., Detroit, Mich. Leather. 201,720; Nov. 18.
 Schwan-Bleistadt-Fabrik A.G., Nuremberg, Germany. Chalk, lead-pencil pointers, rubber bands, etc. 199,852; Nov. 18.
 Schwartz Bros. & Co., Inc., New Orleans, La. Hosiery, men's underwear, shirts, sweaters, etc. 185,045; Nov. 18.
 Sergeant Glass Co., Sergeant, Pa. Light diffuser. 202,184; Nov. 18.
 Service Garment Company, Gainesville, Tex. Overalls and shirts. 203,009; Nov. 18.
 Shambow Shuttle Company, Woonsocket, R. I. Shuttles. 202,955-6; Nov. 18.
 Sharp, L. R., doing business as Perfect Powder Puff Co., Not Inc., Chicago, Ill. Rouge. 201,859; Nov. 18.
 Silberstein Bros. Shirt Co., New York, N. Y. Men's dress shirts. 202,957; Nov. 18.
 Smiling Charlie, Inc., New York, N. Y. Chocolate ice-cream confection. 190,477; Nov. 18.
 Snyder, Jacob H., Sodas and Savannah, N. Y. Fresh fruits and vegetables. 201,107; Nov. 18.
 Solge, Chas. H., Nashville, Tenn. Face powders. 202,362; Nov. 18.
 Spartan Electric Corporation, New York, N. Y. Loud speakers, radio receiving sets, and parts thereof. 199,653; Nov. 18.
 Spring City Hosiery Mills. (See Cook, Paul L.)
 Squibb, E. R., & Sons, New York, N. Y. Laxative. 203,206-9; Nov. 18.
 Standard Oil Company of New York, New York, N. Y. Benzine. 201,726; Nov. 18.
 Starr Fruit Products Co., Portland, Oreg. Canned fruits, berries, and vegetables, fruit preserves, fresh prunes. 200,905; Nov. 18.
 Stein, Lawrence S., doing business as Lawrence Publications, Chicago, Ill. Periodical. 201,778; Nov. 18.
 Stein, S., & Co., New York, N. Y. Woolen piece goods. 203,340; Nov. 18.
 Strong, Hewat & Co. Inc., New York, N. Y. Woolen piece goods. 203,344; Nov. 18.
 Styles Service Syndicate, Incorporated, New York, N. Y. Ladies' dresses, coats, and suits. 202,720; Nov. 18.
 Super-Sete Mfg. Co. (See Johnson, Harold.)
 Thomas, Chas. B., doing business as The Nacomee Company, Buffalo, N. Y. Toilet lotion. 201,016; Nov. 18.
 Times Watch Co. (See Geisler, Emil.)
 Toned Company, The. (See Mellenthin, Michael A.)
 Trieste-Toscani Cigar Co., San Francisco, Calif. Cigars. 203,491; Nov. 18.
 Tuor, Joseph B., doing business as Vinto Products Co., Inc., St. Paul, Minn. Malt sirup for food purposes. 197,914; Nov. 18.
 Turner Asbestos and Roofing Co., Chester, Pa. Asbestos shingles and magnesia and asbestos pipe covering. 202,906; Nov. 18.
 Uman, George L., doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Type cleanser and cleaning fluid. 202,726; Nov. 18.
 United Cycle Co., Bridgeport, Conn. Tires and inner tubes. 202,423; Nov. 18.
 Vance, Mme. Eulalie, Cape May, N. J. Hair grower, hair tonic, shampoo, etc. 203,244; Nov. 18.
 Vinto Products Co. (Tuor, Joseph B.)
 Vivaudou, V., Inc., New York, N. Y. Face powders and creams, perfumes, etc. 203,354; Nov. 18.
 Voorhees Sales Company, Inc., New York, N. Y. Hosiery. 203,448; Nov. 18.
 Ward, Clifford E., South Portland, Me. Carbon eliminator and gas accelerator. 203,701; Nov. 18.
 Weber, Jacob H., Brooklyn, N. Y. Radio loud speakers. 201,474; Nov. 18.
 Wellworth Mills Company, Pierre, S. Dak., and Minneapolis, Minn. Underwear, hosiery, and sweaters. 199,731; Nov. 18.
 Wheaton, Carlos F., Minneapolis, Minn. Nuts and nut bars. 185,235; Nov. 18.
 White, Mrs. Jno. D., Burkburnett, Tex. Salad dressing. 196,495; Nov. 18.
 Wile, E. J., & Co., New York, N. Y. Ladies' coats, suits, and dresses. 202,572; Nov. 18.
 Wirth, Dorsey M., Bucyrus, Ohio. Garment-supporting-belt buckles. 194,964; Nov. 18.
 Wood Conversion Company, Cloquet, Minn. Composition board. 202,962; Nov. 18.
 Wright, Henry G., Chicago, Ill. Radio log books or records. 195,934; Nov. 18.
 Wrightson, Elsie M., doing business as "S. O. S." Game Company, Mobile, Ala. Card games. 203,501; Nov. 18.
 Wyman, Maurice, Baltimore, Md. Shbes. 202,841-2; Nov. 18.
 Wy-So Products Company, The, Cincinnati, Ohio. Fabric-mending fluid. 202,914; Nov. 18.
 Zoernig, Herbert L., doing business as H. Lawrence Chemical Company, Sedalia, Mo. Ointment and lotion powder for treatment of the skin. 202,230; Nov. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.
 Potatoes, Seed. Mack Bouchard & Son. 191,695; Nov. 18; Serial No. 185,406; published Sept. 2, 1924.
 CLASS 2.
 Bags, Mothproof garment. White Tar Company. 191,748; Nov. 18; Serial No. 198,203; published Sept. 2, 1924.
 Boxes for cigarettes and matches, Tor. Foreign Manufacturers Sales Corporation. 181,861; Nov. 18; Serial No. 198,130; published Sept. 9, 1924.
 Containers of paper, etc. Correct Container Co. 191,851; Nov. 18; Serial No. 174,561; published Sept. 9, 1924.
 CLASS 3.
 Bags, trunks, etc. Jigger, Limited. 191,803; Nov. 18; Serial No. 195,002; published Sept. 2, 1924.

Harness, Children's safety. F. H. Barnhart. 191,796; Nov. 18; Serial No. 156,256; published Sept. 2, 1924.
 CLASS 4.
 Cleaning and restoring articles made of suede, etc. Material for. Whittemore Brothers Corporation. 191,913; Nov. 18.
 Cleaning fluid for glass. Consolidated Specialties Company. 191,715; Nov. 18; Serial No. 197,867; published Aug. 26, 1924.
 Cleanser. Whirlpool Products Inc. 191,716; Nov. 18; Serial No. 197,574; published Aug. 26, 1924.
 Oils and greases. Leather. Dyestuffs Corporation of America. 191,752; Nov. 18; Serial No. 197,589; published Aug. 12, 1924.

Polish, Metal. American Metal Polish Co. 191,694; Nov. 18; Serial No. 183,900; published Aug. 26, 1924.
Preparation for cleaning and polishing false teeth, etc. L. D. Caulk Company. 191,719; Nov. 18; Serial No. 197,324; published Aug. 26, 1924.
Preparation for cleaning and polishing jewelry, etc. Rand & Crane, Inc. 191,772; Nov. 18; Serial No. 180,141; published Aug. 21, 1923.
Saponified cold cream. Dumer Products Co. 191,915; Nov. 18.
Soap. Swift and Company. 191,698; Nov. 18; Serial No. 192,284; published Aug. 26, 1924.
Soap, cleaning and polishing. Carpenter-Leddin Co. 191,723; Nov. 18; Serial No. 195,211; published Aug. 26, 1924.
Soaps. Lehigh Chemist, Inc. 191,904; Nov. 18.
Tar and grease remover and cleaner. J. L. Hinkley. 191,779; Nov. 18; Serial No. 198,873; published Aug. 26, 1924.
Transparent matter. Compound for treating. See-Clear Co. 191,898; Nov. 18.

CLASS 5.

Cement, Liquid fabric. N. C. Amen. 191,903; Nov. 18.

CLASS 6.

Anesthetic for the painless extracting of teeth. Local. C. K. Hisey and Co. 26,240; renewed Mar. 19, 1925.
Bluing paddles, Laundry. A. E. Spencer Products Corporation. 191,906; Nov. 18.
Corn remedies. J. Steiner. 191,914; Nov. 18.
Insecticides. Standard Oil Company (New Jersey). 191,902; Nov. 18.
Remedy for headache. C. C. Hearn. 25,375; renewed Oct. 16, 1924.
Tonic for dyspepsia, indigestion, etc. Medichal. A. N. Gaebler. 191,836; Nov. 18; Serial No. 199,778; published Sept. 2, 1924.

CLASS 7.

Cable, Stranded wire. J. A. Sauerman. 191,911; Nov. 18.

CLASS 8.

Cigarette wrappers. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. 25,573; renewed Dec. 4, 1924.
Pipes, cigar and cigarette holders, tobacco pouches. Alfred Dunhill of London, Inc. 191,798; Nov. 18; Serial No. 179,264; published Sept. 2, 1924.
Pipes, tobacco. Delacour Bros. Ltd. 191,771; Nov. 18; Serial No. 176,730; published Sept. 2, 1924.

CLASS 9.

Fireworks. St. Louis Fireworks Co. 26,305; renewed Mar. 26, 1925.
Matches. Osakeyhtiö Savo, Ltd. 191,740; Nov. 18; Serial No. 198,084; published Sept. 2, 1924.
Shells and cartridges, Shot. Federal Cartridge Corp. 191,722; Nov. 18; Serial No. 195,225; published Sept. 2, 1924.
Shells and metal cartridges, Paper shot. Winchester Repeating Arms Company. 191,702; Nov. 18; Serial No. 193,147; published Sept. 2, 1924.
Shotguns, rifles, and pistols and parts thereof. J. P. Sauer & Sohn. 191,701; Nov. 18; Serial No. 192,928; published Aug. 26, 1924.

CLASS 12.

Metal channel iron, studding, bearing strips, and the like. Youngstown Pressed Steel Company. 191,820; Nov. 18; Serial No. 199,272; published Aug. 19, 1924.

CLASS 13.

Fuel, Motor. W. J. Keenan. 191,721; Nov. 18; Serial No. 196,872; published July 22, 1924.
Gasoline and blended motor fuels. General Oil Corporation. 191,876; Nov. 18; Serial No. 196,913; published July 22, 1924.
Lubricants and gasoline, kerosene, and naphtha. General. J. A. Dingwall, Jr. 191,776; Nov. 18; Serial No. 159,246; published Aug. 26, 1924.
Oils and greases. Keystone Lubricating Company. 191,852; Nov. 18; Serial No. 179,797; published June 24, 1924.

CLASS 16.

Lacquers, lacquer thinners, and enamels. Egyptian Lacquer Manufacturing Company. 191,686; Nov. 18; Serial No. 156,625; published Jan. 8, 1924.
Lacquers, lacquer thinners, and enamels. Egyptian Lacquer Manufacturing Company. 191,688; Nov. 18; Serial No. 179,186; published July 10, 1923.
Oxide of antimony and chemical compounds and mixtures made therefrom. Cookson & Co. Ltd. 191,754; Nov. 18; Serial No. 196,649; published Sept. 2, 1924.
Paint and paint paste. Mixed. New Jersey Zinc Company. 191,727; Nov. 18; Serial No. 200,275; published Sept. 2, 1924.
Paints and paint enamels. Toch Brothers, Incorporated. 191,740; Nov. 18; Serial No. 199,134; published Sept. 2, 1924.
Paints and wall coatings. Water. Alabastine Company. 191,687; Nov. 18; Serial No. 168,995; published Mar. 20, 1923.

Paints, paint thinners, colors in Japan, etc. House and roof. Sunset Paint Company. 191,760; Nov. 18; Serial No. 193,637; published Aug. 26, 1924.

Paints, stains, varnishes, and paint enamels. Warren Company. 191,810; Nov. 18; Serial No. 197,572; published Sept. 2, 1924.

Paints, varnishes, paint oils, linseed oil, and turpentine. David Bernhardt Paint Company. 191,768; Nov. 18; Serial No. 181,720; published Aug. 26, 1924.

Polish and finish. Automobile. Fax Manufacturing Co. 191,845; Nov. 18; Serial No. 198,129; published Sept. 2, 1924.

Polish for woodwork, household furniture, and automobiles. Bran U Auto Polish Co. 191,685; Nov. 18; Serial No. 152,828; published Mar. 25, 1924.

Polishes. Maisonne Company. 191,737; Nov. 18; Serial No. 199,367; published Sept. 2, 1924.

Polishes. Supre-Lustre Products Company. 191,848; Nov. 18; Serial No. 197,966; published Sept. 2, 1924.

Polishing compound or dressing. Willmore Laboratory. 191,837; Nov. 18; Serial No. 199,101; published Sept. 2, 1924.

Varnish stain. W. W. Lawrence & Company. 191,741; Nov. 15; Serial No. 199,120; published Sept. 2, 1924.

Wax, Floor. H. F. Staples. 191,739; Nov. 18; Serial No. 199,202; published Sept. 2, 1924.

Wax, Liquid. Glen-So Company. 191,762; Nov. 18; Serial No. 198,574; published Sept. 2, 1924.

CLASS 17.

Cigars and smoking and chewing tobacco. J. R. Cohen. 20,067; renewed Feb. 19, 1925.

Cigars, cigarettes, smoking and chewing tobacco. Vetterlein Brothers Inc. 191,865; Nov. 18; Serial No. 200,588; published Sept. 9, 1924.

Cigars, cigarettes, smoking and chewing tobacco. Vetterlein Brothers Inc. 191,866; Nov. 18; Serial No. 200,590; published Sept. 9, 1924.

Tobacco and cigarettes, Smoking and chewing. Pinkerton Tobacco Co. 191,763; Nov. 18; Serial No. 193,190; published Sept. 2, 1924.

CLASS 19.

Bicycles, tricycles, and velocipedes. Guaranty Cycle Company. 191,793; Nov. 18; Serial No. 199,694; published Sept. 2, 1924.

CLASS 20.

Floor and wall coverings. Petrolene Co. 191,773; Nov. 18; Serial No. 172,762; published Sept. 2, 1924.

Floor coverings coated with a waterproof substance. Cott-A-Lap Company. 191,805; Nov. 18; Serial No. 166,170; published Sept. 2, 1924.

CLASS 21.

Electrical material. Builders. Francis Keil & Son. 26,174; renewed Mar. 5, 1925.

Wireless receiving apparatus. Couplers for circuits of. S. A. Davis. 191,780; Nov. 18; Serial No. 198,990; published Aug. 26, 1924.

CLASS 22.

Balls, Golf. Kinesthetic Process Co. 191,731; Nov. 18; Serial No. 199,996; published Sept. 2, 1924.

Coaster runway slides. M. G. Hilpert. 191,766; Nov. 18; Serial No. 188,905; published Sept. 2, 1924.

Game. Betty Products Company. 191,800; Nov. 18; Serial No. 192,302; published Sept. 9, 1924.

Game. Embossing Company. 191,804; Nov. 18; Serial No. 199,466; published Sept. 9, 1924.

Game and racks used therewith. Receptacle designed for containing apparatus and paraphernalia used in a. E. Guggenheim. 191,857; Nov. 18; Serial No. 192,570; published Sept. 9, 1924.

Game device, Amusement. Parvan Co. 191,807; Nov. 18; Serial No. 198,472; published Sept. 2, 1924.

Game, Parlor table. J. G. Pitton. 191,747; Nov. 18; Serial No. 198,472; published Sept. 2, 1924.

Golf heads, baseball bats, etc. Wooden. Golf Shaft and Block Company. 191,758; Nov. 18; Serial No. 195,280; published Sept. 2, 1924.

Swings. Health Swing Co. 191,858; Nov. 18; Serial No. 196,163; published Sept. 9, 1924.

Toy jewelry. M. C. Duty. 191,745; Nov. 18; Serial No. 198,939; published Sept. 2, 1924.

Toy telephones. Steel Stamping Company. 191,730; Nov. 18; Serial No. 200,125; published Sept. 2, 1924.

Toy vehicles and furniture, dolls, etc. Dearborn Company. 191,853; Nov. 18; Serial No. 182,500; published Sept. 9, 1924.

Wagons, scooters, and cars. Children's. Hunt, Helm, Ferris & Co. 191,855; Nov. 18; Serial No. 189,787; published Sept. 9, 1924.

CLASS 23.

Knives, razors, and scissors. F. A. Koch & Co. 25,349; renewed Oct. 16, 1924.

CLASS 29.

Brushes, Combined hand and nail. P. B. T. Williams. 191,862; Nov. 18; Serial No. 198,976; published Sept. 9, 1924.

Brushes, mops, brooms, etc. Shane & Hays. 191,751; Nov. 18; Serial No. 197,837; published Sept. 2, 1924.
Mops and brooms. J. Lukinovich. 191,732; Nov. 18; Serial No. 199,843; published Sept. 2, 1924.
Toothbrushes. Polstar Company. 191,724; Nov. 18; Serial No. 200,637; published Sept. 2, 1924.

CLASS 32.

Bureaus, tables, bedsteads, etc. Hagby Furniture Company. 191,690; Nov. 18; Serial No. 180,737; published Aug. 26, 1924.

Cabinets. Advance Appliance Company. 191,717; Nov. 18; Serial No. 197,526; published Aug. 26, 1924.

Tables and juvenile tables and chairs. Benjamin Electric Manufacturing Company. 191,693; Nov. 18; Serial No. 182,785; published Aug. 26, 1924.

CLASS 34.

Heaters and storage systems. Hot-water. Pittsburg Water Heater Company. 191,901; Nov. 18.

Lamp shades. Lee-Marion Company. 191,697; Nov. 18; Serial No. 191,330; published Sept. 2, 1924.

Stokers having steam-boiler equipment. Underfeed. Sanford Riley Stoker Company. 191,916; Nov. 18.

CLASS 35.

Packings. Greene, Tweed & Co. 191,881; Nov. 18; Serial No. 194,990; published Sept. 2, 1924.

Tires and inner tubes. Mohawk Rubber Company. 191,822-3; Nov. 18; Serial No. 198,876-7; published Aug. 12, 1924.

CLASS 36.

Pianos. C. L. Weser. 26,301; renewed Mar. 26, 1925.

CLASS 37.

Paper, Bond and ledger. Newton Falls Paper Company. 191,912; Nov. 18.

Paper napkins and table covers. Daniels Manufacturing Company. 191,908; Nov. 18.

Papers, Box files for holding. W. A. Cooke, Jr. 25,739; renewed Dec. 25, 1924.

CLASS 38.

Bonds, Long-term and installment. Jonathan H. Winters Company. 191,769; Nov. 18; Serial No. 180,314; published Sept. 11, 1923.

Cards, Printed. D. F. Matson. 191,703; Nov. 18; Serial No. 194,280; published Aug. 26, 1924.

Catalogues. Moore & Evans. 191,707; Nov. 18; Serial No. 198,531; published Aug. 26, 1924.

Newspaper and periodical writings. Nom de plume for W. J. F. Dalley. 191,711; Nov. 18; Serial No. 198,401; published Aug. 26, 1924.

Newspaper section. Premier Syndicate, Inc. 191,846; Nov. 18; Serial No. 198,066; published Aug. 5, 1924.

Periodical. Ohio State University. 191,813; Nov. 18; Serial No. 197,768; published Aug. 19, 1924.

Publication. California Almond Growers Exchange. 191,700; Nov. 18; Serial No. 192,804; published Aug. 26, 1924.

Publication title. Armstrong-Killbourne, Inc. 191,712; Nov. 18; Serial No. 198,279; published Aug. 26, 1924.

Publication, Weekly. Petroleum Publishing Company. 191,720; Nov. 18; Serial No. 197,044; published Aug. 26, 1924.

CLASS 39.

Cloaks and suits, Ladies'. Brenner Bros. 191,850; Nov. 18; Serial No. 197,799; published Sept. 2, 1924.

Clothing. J. J. Kallisher. 191,804; Nov. 18; Serial No. 196,343; published Sept. 2, 1924.

Coats. Hope Knitting Co. 191,905; Nov. 18.

Coats and suits, riding habits, etc. Sport. Sidney Baumgarten Co. 191,799; Nov. 18; Serial No. 190,905; published June 17, 1924.

Coats, Ladies'. H. Kitzinger. 191,806; Nov. 18; Serial No. 197,031; published Sept. 2, 1924.

Corsets. R & G Corset Company. 191,713; Nov. 18; Serial No. 198,250; published Aug. 26, 1924.

Dresses. G. N. C. Manufacturing Company. 191,805; Nov. 18; Serial No. 196,383; published Sept. 2, 1924.

Dresses. J. M. Gladding & Co. 191,808; Nov. 18; Serial No. 197,429; published Sept. 2, 1924.

Dresses and knitted sweaters. Wool and fiber knitted. F. & Z. Knitting Mills, Inc. 191,761; Nov. 18; Serial No. 193,580; published June 24, 1924.

Dresses and middie blouses. Children's. Perfect Garment Co. 191,910; Nov. 18.

Dresses, Children's. Grayona Needlecraft Corporation. 191,706; Nov. 18; Serial No. 198,569; published Aug. 26, 1924.

Dresses, sweaters, jumpers, etc. Women's and children's. American Cellulose & Chemical Manufacturing Company Ltd. 191,844; Nov. 18; Serial No. 198,167; published Sept. 2, 1924.

Hats. Mallory Hat Company. 191,907; Nov. 18.

Hats, Ladies'. H. Zubrinsky. 191,909; Nov. 18.

Hosiery. Oliver-Wright-Rainey Co. 191,705; Nov. 18; Serial No. 198,619; published Aug. 26, 1924.

Hosiery. Colonial Knitting Mills, Inc. 191,704; Nov. 18; Serial No. 198,620; published Aug. 26, 1924.

Hosiery. Nicholson-Feinberg, Inc. 191,801; Nov. 18; Serial No. 194,018; published Sept. 2, 1924.

Hosiery. Levi Strauss and Company. 191,736; Nov. 18; Serial No. 194,887; published Sept. 2, 1924.

Hosiery and neckties. T. P. McCutcheon & Bro. Incorporated. 191,778; Nov. 18; Serial No. 198,718; published Aug. 26, 1924.

Hosiery, underwear, and sweaters. William R. Moore Dry Goods Company. 191,847; Nov. 18; Serial No. 198,022; published Sept. 2, 1924.

Overcoats, topcoats, and suits, and women's cloaks, etc. Men's. Sir Charles Sykes & Sons, Limited. 191,841; Nov. 18; Serial No. 198,386; published Sept. 2, 1924.

Overcoats. Mansfield & Sons, Limited. 191,882; Nov. 18; Serial No. 194,559; published Aug. 5, 1924.

Rubber and composition soles and heels. Endicott Johnson Corporation. 191,710; Nov. 18; Serial No. 198,404; published Aug. 26, 1924.

Shirts and collars. Men's negligee and dress. Earl & Wilson. 191,811; Nov. 18; Serial No. 197,728; published Sept. 2, 1924.

Shirts and collars. Men's negligee and dress. Earl & Wilson. 191,812; Nov. 18; Serial No. 197,731; published Sept. 2, 1924.

Shirts, Men's dress. I. A. Frankel. 191,849; Nov. 18; Serial No. 197,873; published Sept. 2, 1924.

Shirts, Work. Salant & Salant Inc. 191,842-3; Nov. 18; Serial Nos. 197,773-4; published Sept. 2, 1924.

Shoes, rubber overshoes, waterproof clothing, and other rubber goods. Rubber-soled. North British Rubber Co. Limited. 25,365; renewed Jan. 15, 1925.

Slippers. Maid-Rite Corporation. 191,696; Nov. 18; Serial No. 188,686; published Aug. 26, 1924.

Suits and overcoats. Scheyer & Co. 191,777; Nov. 18; Serial No. 198,683; published Aug. 26, 1924.

Suits, Ladies' and misses'. John Wanamaker, New York. 191,689; Nov. 18; Serial No. 179,837; published Aug. 26, 1924.

Ties and cravats. Friedman Bros. & Sons Neckwear Co. 191,815; Nov. 18; Serial No. 198,063; published Sept. 2, 1924.

Undergarment. Women's. B. Johnson. 191,802; Nov. 18; Serial No. 194,352; published Sept. 2, 1924.

Underwear, Linen. H. L. Deimel. 26,263; renewed Mar. 26, 1925.

Underwear, sweater coats, bathing suits, etc. Knitted. Schultz-Rosky-Block Co. 191,725; Nov. 18; Serial No. 198,684; published Aug. 26, 1924.

Weltung for boots and shoes. Barbour Weltung Company. 191,840; Nov. 18; Serial No. 198,556; published Aug. 26, 1924.

CLASS 40.

Elastic. Puffed. Nichols Mfg. Co. 191,709; Nov. 18; Serial No. 198,467; published Aug. 26, 1924.

Shields, Dress. R-K Shield Co. 191,708; Nov. 18; Serial No. 198,478; published Aug. 26, 1924.

CLASS 42.

Blankets and piece goods, Cotton. Massachusetts Cotton Mills. 191,714; Nov. 18; Serial No. 198,009; published Aug. 26, 1924.

Blankets, Cotton. Beacon Manufacturing Company. 191,896; Nov. 18.

Cotton piece goods. Everett Mills. 191,726; Nov. 18; Serial No. 200,354; published Sept. 2, 1924.

Cotton piece goods. Trippe, Barker & Co. 191,790; Nov. 18; Serial No. 199,588; published Aug. 26, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,728; Nov. 18; Serial No. 200,243; published Sept. 2, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,783; Nov. 18; Serial No. 199,523; published Aug. 26, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,784; Nov. 18; Serial No. 199,525; published Aug. 26, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,785; Nov. 18; Serial No. 199,528; published Aug. 26, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,786; Nov. 18; Serial No. 199,530; published Aug. 26, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,787-8; Nov. 18; Serial Nos. 199,532-3; published Aug. 26, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 191,789; Nov. 18; Serial No. 199,535; published Aug. 26, 1924.

Cotton, silk, wool, or worsted fabrics. Hacker Planting Co. 191,782; Nov.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Textile fabrics. Oriental Silk Printing Company. 191,753; Nov. 18; Serial No. 197,108; published July 22, 1924.
Woolen cloths in the piece. S. Stein & Co. 191,774; Nov. 18; Serial No. 164,460; published Sept. 2, 1924.
Woolens and worsteds in the piece. Blake & Stearns. 191,691; Nov. 18; Serial No. 180,920; published Aug. 26, 1924.
Woolens and worsteds in the piece. Blake & Stearns. 191,792; Nov. 18; Serial No. 199,671; published Aug. 26, 1924.

CLASS 43.

Yarns. J. & J. Baldwin. 25,625; renewed Dec. 11, 1924.
Yarns. J. & J. Baldwin. 25,668-9; renewed Dec. 18, 1924.
Yarns. J. & J. Baldwin. 25,672-5; renewed Dec. 18, 1924.
Yarns. J. & J. Baldwin. 25,760; renewed Jan. 1, 1925.

CLASS 45.

Beverage and extracts for making same. W. H. Halford. 191,856; Nov. 18; Serial No. 190,302; published Sept. 9, 1924.
Drink, Soft. C. A. Henninger. 191,692; Nov. 18; Serial No. 181,117; published Sept. 2, 1924.
Syrup sold as a flavoring for soft drinks. S. Penny. 191,684; Nov. 18; Serial No. 145,474; published Sept. 2, 1924.
Syrups used in preparation of soft drinks. Konrad Schreier Co. 191,781; Nov. 18; Serial No. 199,231; published Sept. 2, 1924.

CLASS 46.

Butter, Creamery. Valley Butter Company. 191,874; Nov. 18; Serial No. 200,467; published Sept. 9, 1924.
Buttermilk, butter, etc., Cultures for making starter in the manufacture of. Dairy Laboratories. 191,831; Nov. 18; Serial No. 199,609; published Sept. 9, 1924.
Cake, ice cream, and bread. Joe Lowe Co. 191,797; Nov. 18; Serial No. 178,108; published Sept. 2, 1924.
Candy. Bunte Brothers. 191,744; Nov. 18; Serial No. 199,039; published Sept. 2, 1924.
Candy. Hardie Brothers Co. 191,742; Nov. 18; Serial No. 199,061; published Sept. 2, 1924.
Candy. George J. Mueller, Inc. 191,729; Nov. 18; Serial No. 200,217; published Sept. 2, 1924.
Candy. Peter Paul Candy Manufacturing Company. 191,887; Nov. 18; Serial No. 186,198; published Sept. 2, 1924.
Candy. Tru-Blu Biscuit Company. 191,767; Nov. 18; Serial No. 184,997; published Sept. 2, 1924.
Candy. Chocolate-coated. Bishop & Company. 191,764; Nov. 18; Serial No. 190,756; published Sept. 2, 1924.
Candy. Coconut. Maple Dell Candy Company. 191,755; Nov. 18; Serial No. 196,395; published Sept. 2, 1924.
Canned corn. Big Stone Canning Co. 191,750; Nov. 18; Serial No. 197,921; published Sept. 2, 1924.
Canned corn. Lake Mills Canning Company. 191,875; Nov. 18; Serial No. 200,563; published Sept. 9, 1924.
Canned fruits and vegetables. Fillice & Perrelli Canning Company. 191,735; Nov. 18; Serial No. 199,746; published Sept. 2, 1924.
Canned fruits and vegetables. Herbert Packing Co. 191,875; Nov. 18; Serial No. 200,444; published Sept. 9, 1924.
Canned fruits, berries, vegetables, and tomato catchup. H. G. Prince & Co. 191,869; Nov. 18; Serial No. 199,720; published Sept. 9, 1924.
Canned goods. W. H. Killian Co. 191,746; Nov. 18; Serial No. 198,806; published Sept. 2, 1924.
Canned goods, evaporated milk, coffee, and powdered sugar. E. R. Godfrey & Sons Co. 191,868; Nov. 18; Serial No. 199,687; published Sept. 9, 1924.
Canned salmon. Birka, Crawford & Lindsay, Ltd. 191,889; Nov. 18; Serial No. 181,723; published Sept. 9, 1924.
Canned shrimp. Blum & Bergeron. 191,738; Nov. 18; Serial No. 199,341; published Sept. 2, 1924.
Canned vegetables. Appleby Bros. 191,883; Nov. 18; Serial No. 194,242; published Sept. 9, 1924.
Cantaloupes, lettuce, grapes. W. S. Fawcett. 191,854; Nov. 18; Serial No. 184,717; published Sept. 9, 1924.
Catchup, chili sauce, coffee, etc. Auburn Mercantile Company. 191,893; Nov. 18; Serial No. 174,123; published Sept. 2, 1924.
Cheese. Lowville Cheese Company. 191,885; Nov. 18; Serial No. 189,683; published Sept. 2, 1924.
Cheese. Richardson & Company. 191,886; Nov. 18; Serial No. 189,640; published Sept. 2, 1924.
Cheese. Henry Scaramelli, Inc. 191,824; Nov. 18; Serial No. 199,185; published Sept. 2, 1924.
Chocolate. Ellice's Incorporated. 191,817-8; Nov. 18; Serial Nos. 198,296-7; published Sept. 9, 1924.
Chocolates, bonbons, and all other kinds of candies. Colvin's Confectionery. 191,734; Nov. 18; Serial No. 200,247; published Sept. 2, 1924.
Cooking or shortening compound. Higgins Manufacturing Company. 191,756; Nov. 18; Serial No. 196,298; published Sept. 2, 1924.

Corn meal. Stanard Tilton Milling Co. 191,829; Nov. 18; Serial No. 199,577; published Sept. 9, 1924.
Corn meal, corn chops, cornmeal, and grits. Stanard Tilton Milling Co. 191,830; Nov. 18; Serial No. 199,578; published Sept. 9, 1924.

Eggs. G. E. Cutler. 191,878; Nov. 18; Serial No. 199,728; published Sept. 9, 1924.
Feed. Security Mills. 191,879; Nov. 18; Serial No. 199,033; published Sept. 2, 1924.
Feed. Western Grain Company. 191,888; Nov. 18; Serial No. 183,002; published Sept. 2, 1924.
Feed. Animal. W. W. Payne. 191,825; Nov. 18; Serial No. 199,242; published Sept. 9, 1924.
Feed. Mineralized. E. Rhine. 191,877; Nov. 18; Serial No. 199,703; published Sept. 2, 1924.
Feed. Poultry. Edlie Mill & Elevator Co. 191,828; Nov. 18; Serial No. 199,465; published Sept. 9, 1924.
Flour. Durum wheat. Washburn-Crosby Company. 191,891; Nov. 18; Serial No. 177,756; published Sept. 2, 1924.

Flour, Pancake. B. A. Hopkins' Sons. 191,871; Nov. 18; Serial No. 200,319; published Sept. 9, 1924.
Flour, Wheat. Cleveland Milling Co. 191,807; Nov. 18; Serial No. 197,188; published Sept. 2, 1924.
Flour, Wheat. Cleveland Milling Co. 191,884; Nov. 18; Serial No. 193,805; published Sept. 2, 1924.
Flour, Wheat. International Milling Company. 191,835; Nov. 18; Serial No. 199,992; published Sept. 2, 1924.
Flour, Wheat. International Milling Company. 191,870; Nov. 18; Serial No. 199,991; published Sept. 2, 1924.
Food. Cereal breakfast. Kellogg Company. 191,892; Nov. 18; Serial No. 177,676; published Sept. 2, 1924.
Food preparation. Chocolate-flavored malted. Runkel Brothers, Inc. 191,832; Nov. 18; Serial No. 199,647; published Sept. 9, 1924.

Fruits. C. B. Williams. 191,733; Nov. 18; Serial No. 199,760; published Sept. 2, 1924.
Fruits, Fresh deciduous. H. W. Miller & L. P. Miller. 191,819; Nov. 18; Serial No. 198,062; published Sept. 9, 1924.

Fruits, Preserved. Crown Fruit & Extract Co. 191,757; Nov. 18; Serial No. 195,869; published Sept. 2, 1924.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 191,759; Nov. 18; Serial No. 194,071; published Sept. 2, 1924.

Grapes, Fresh. Sequoia Foothill Fruit Growers. 191,812; Nov. 18; Serial No. 200,374; published Sept. 9, 1924.

Gum, Chewing. Underwood-Talmage Co. 191,863; Nov. 18; Serial No. 199,407; published Sept. 9, 1924.

Hams. Omaha Packing Company. 191,765; Nov. 18; Serial No. 199,027; published Sept. 2, 1924.

Ice cream and ice cream coated with chocolate. Anderson & Patterson. 191,775; Nov. 18; Serial No. 160,170; published Sept. 2, 1924.

Malt extract for food purposes. Blatz Products Company. 191,833; Nov. 18; Serial No. 199,672; published Sept. 9, 1924.

Meal and cake. Linsced-oil. William O. Goodrich Company. 191,880; Nov. 18; Serial No. 195,819; published Sept. 9, 1924.

Mushrooms, Fresh. L. Lescarbourea. 191,827; Nov. 18; Serial No. 199,287; published Sept. 2, 1924.

Oil, Salad. Pickaninny Company. 191,890; Nov. 18; Serial No. 180,886; published Sept. 2, 1924.

Oranges, Fresh. Fullerton Mutual Orange Association. 191,743; Nov. 18; Serial No. 199,054; published Sept. 2, 1924.

Pastry containers for ice cream, etc., Chocolate or candy coated. Choco-Ice Company. 191,838-9; Nov. 18; Serial Nos. 198,617-18; published Aug. 26, 1924.

Peanuts, Roasted and salted. H. A. Robinson Company. 191,820; Nov. 18; Serial No. 198,681; published Sept. 9, 1924.

Potato chips. G. H. Dentler. 191,894; Nov. 18; Serial No. 170,009; published Sept. 2, 1924.

Rice. Standard Rice Company. 191,816; Nov. 18; Serial No. 198,091; published Sept. 9, 1924.

Sugar-wafer bar. Independent Baking Company. 191,860; Nov. 18; Serial No. 197,939; published Sept. 9, 1924.

Tea. Hoffmann-Hayman Coffee Co. 191,859; Nov. 18; Serial No. 197,935; published Sept. 9, 1924.

Tomatoes. Tucker & Simmons. 191,814; Nov. 18; Serial No. 197,970; published Sept. 9, 1924.

Tongue and meat roll, sausage, etc., Cooked. Swift and Company. 191,867; Nov. 18; Serial No. 200,783; published Sept. 9, 1924.

Wheat shorts. Midland Flour Milling Co. 191,821; Nov. 18; Serial No. 198,754; published Sept. 2, 1924.

CLASS 50.

Bottle cap. Milk. Plympton Paper Products Corporation. 191,900; Nov. 18.
Corks and caps, and cork bulletin boards. Bottle. L. Mundet & Son, Inc. 191,795; Nov. 18; Serial No. 199,950; published Aug. 26, 1924.
Incubators and brooders. Automatic Incubator Co. 191,899; Nov. 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather. Carl E. Schmidt and Company. 201,720; Nov. 18.
Rubber, India. Northwestern Rubber Company. 200,634; Nov. 18.
Shells, Crushed oyster. Dunbar-Dukate Co. 203,260; Nov. 18.
Transparent material, Flexible. Glasold Company. 177,843; Nov. 18.

CLASS 2.

Bags, News. Allied Belting Company. 203,707; Nov. 18.
Boxes, desk trays, vases, and flower holders. Kopfer Kraft Shops, Inc. 202,021; Nov. 18.
Boxes, Paper. Lengsfeld Brothers. 202,815; Nov. 18.

CLASS 3.

Trunks. National Department Stores Inc. 200,512; Nov. 18.

CLASS 4.

Adhesive preparation. Gardner-Barada Chemical Co. 201,027; Nov. 18.
Cleanser and cleaning fluid, Type. G. L. Uman. 202,726; Nov. 18.
Grease, Leather. Amid Duron Company. 200,975; Nov. 18.
Soap and soap products. Bonded Products Corporation. 184,490; Nov. 18.
Soap, Liquid. National Renovating & Supply Co. 198,581; Nov. 18.

CLASS 5.

Adhesive and friction tapes. Okonite Company. 202,217-18; Nov. 18.
Fluid, Fabric-mending. Wy-So Products Company. 202,014; Nov. 18.
Glue. Anderson Brothers Co. 200,470; Nov. 18.

CLASS 6.

Alcohol, Rubbing. Fries & Fries Company. 203,375; Nov. 18.
Astringents, bleach creams, cleansing oils, etc. Est. Henry C. Miner, Inc. 203,637; Nov. 18.
Carbon eliminator and gas accelerator. C. E. Ward. 203,701; Nov. 18.
Chlorine, chlorinated lime, caustic soda, etc., Liquid. Pennsylvania Salt Manufacturing Co. 202,565; Nov. 18.
Compound for treatment of enlarged tonsils, etc. M. A. Mellenthin. 203,280; Nov. 18.
Creams, hair tonics, and toilet waters, Face. G. W. Dunleavy. 201,492; Nov. 18.
Dandruff, Treatment for. Crowe Drug Co. 203,619; Nov. 18.
Face powder. C. H. Sofge. 202,362; Nov. 18.
Fuel ingredient, Motor. Kargo Manufacturing Co. 203,682; Nov. 18.

Hairdressing. O. W. Collins. 203,258; Nov. 18.
Hair dye. Inecto, Inc. 203,633-4; Nov. 18.
Hair grower, hair tonic, shampoo, etc. Mme. Eulalie Vance. 203,244; Nov. 18.

Hair tonics, bay rum, toilet water, perfumes, etc. H. Huebachman. 198,586; Nov. 18.

Insecticidal composition and insect powder and preventive. Rubber Service Laboratories Company. 203,640; Nov. 18.

Laxative. E. R. South & Sons. 203,208-9; Nov. 18.
Lotion, Toilet. C. B. Thomas. 201,015; Nov. 18.

Medicinal preparation. L. V. J. Dunn. 202,191; Nov. 18.
Medicine for the relief of indigestion. R. E. Latta. 199,793; Nov. 18.

Ointment and lotion powder. H. L. Zoernig. 202,230; Nov. 18.

Perfumes. Lionel Trading Co. 183,797; Nov. 18.
Plasters for the treatment of boils, cuts, bruises, and wounds. A. J. Pontler. 203,052; Nov. 18.

Powder, Antiseptic healing. C. H. Main. 203,638; Nov. 18.

Powders, perfumes, toilet waters, etc., Face. V. Vivaudou, Inc. 203,354; Nov. 18.

Powders, Talcum and face. Parfums Hebe, Inc. 203,328; Nov. 18.

Product for producing a rustling effect on silk, etc. Onyx Oil & Chemical Co. 203,428; Nov. 18.

Product for use in connection with removal of cereatin gum from silk. Onyx Oil & Chemical Co. 203,431; Nov. 18.

Product to be used in kler boiling for the removal of starches, wax, etc., from cotton. Onyx Oil & Chemical Co. 203,432; Nov. 18.

Product to produce a soft effect on all fiber. Onyx Oil & Chemical Co. 203,433; Nov. 18.

Rouge. L. R. Sharp. 201,859; Nov. 18.
Salts, Reducing. Corona Chemical Company. 203,402; Nov. 18.
Salve. E. A. Gantt. 202,662; Nov. 18.
Starch, Laundry. Plee-Zing Corporation. 203,146; Nov. 18.
Suppositories, Vaginal. R. Morgenstern. 201,299; Nov. 18.
Suppositories, Vaginal. M. Regelson. 200,729; Nov. 18.
Tablets, Gland. C. J. Mattel. 203,322; Nov. 18.
Toilet preparations. Lenthier, Inc. 202,402-3; Nov. 18.
Toilet preparations. Lenthier, Inc. 202,405-8; Nov. 18.

CLASS 11.

Inks and ingredients thereof. American Printing Ink Company. 185,238; Nov. 18.

CLASS 12.

Asbestos-felt jackets for water heaters and boilers. Bastian-Morley Co. 200,707; Nov. 18.
Asbestos shingles and magnesite and asbestos pipe covering. Turner Asbestos and Roofing Co. 202,906; Nov. 18.
Board, Composition. Wood Conversion Company. 202,962; Nov. 18.
Cement or lute, Acid-proof and fireproof. Pecora Paint Co. 186,247; Nov. 18.
Lumber. Bowman-Hicks Lumber Company. 202,095; Nov. 18.
Lumber. Ocean Lumber Co. 198,469; Nov. 18.
Roofing, Prepared. Adams & Kelly Co. 197,466; Nov. 18.
Shingles. Richardson Company. 183,759; Nov. 18.
Stucco for buildings, etc., Plaster. J. S. Schirm Commercial Company. 182,840; Nov. 18.

CLASS 13.

Nipples. S. S. Fretz, Jr. & Co. 203,407-8; Nov. 18.
Rivets, screws, nails, etc. Anaconda Copper Mining Company. 196,634; Nov. 18.

CLASS 14.

Benzine. Standard Oil Company of New York. 201,726; Nov. 18.
Gasoline. Queen City Petroleum Products Company. 201,580; Nov. 18.
Oils and greases. Queen City Petroleum Products Company. 201,579; Nov. 18.
Oils and greases, Lubricating. W. L. Hagenbaugh. 200,762; Nov. 18.
Oils, gun grease, and axle grease. Lubricating. Jos. Butz & Son. 201,880; Nov. 18.
Oils, lubricating oils and greases, Fuel. Pollard Oil Company. 200,689; Nov. 18.

CLASS 17.

Cigars. D. Gibson. 203,465; Nov. 18.
Cigars. Parsons & Seville Company. 203,483; Nov. 18.
Cigars. Trieste-Toscani Cigar Co. 203,401; Nov. 18.

CLASS 21.

Batteries, battery-charging-current rectifiers, and complete radio receiving outfits. A and B. Kimley Electric Company. 196,248; Nov. 18.
Condensers, Variable. Electrical Research Laboratories. 202,616; Nov. 18.
Electric power from lighting and power current sources into current suitable for operating electron tubes in place of batteries. Device for transforming. Sabin Electrical Products Corporation. 195,127; Nov. 18.
Electrical apparatus. Electrical Research Laboratories. 198,851; Nov. 18.
Lamps, batteries, spark plugs, etc., Auto. New England Mills Company. 187,760; Nov. 18.
Lamps, bulbs, or miniature lamps, Electric. American International Trading Co. 193,981; Nov. 18.
Lamps, Combination electric. Metropolitan Art Glass Co. 185,831; Nov. 18.
Lamps, Electrical incandescent. Miniature Incandescent Lamp Corporation. 189,260; Nov. 18.
Lamps, spotlights, etc., Electrical head and tail. Aga Auto Lamp Company. 200,598; Nov. 18.
Loud speakers, radio receiving sets, and parts thereof. Spartan Electric Corporation. 199,653; Nov. 18.
Radio antenna. A. B. Fishwick. 200,355; Nov. 18.
Radio loud speakers. J. H. Weber. 201,474; Nov. 18.
Radio receiving sets, Portable. Aeolus Corporation. 200,377; Nov. 18.
Radio receiving sets, Portable and stationary. Aeolus Corporation. 200,378; Nov. 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Spark plugs. Aktiebolaget Lidsöping Vikingsägar. 197,349; Nov. 18.
 Spark plugs. B. G. Corporation. 167,511; Nov. 18.
 Sound-recording machines. Magnetic. H. P. O'Reilly. 191,504; Nov. 18.
 Storage batteries and radio A and B batteries. W. A. Jones. 202,507; Nov. 18.
 Switches, parts thereof, etc. Mercury. Absolute Con-Tac-Tor Corporation. 170,965; Nov. 18.
 Transformers. Variable of variometer. Danziger-Jones, Inc. 202,614; Nov. 18.
 Tubes and valves. Vacuum. Radio Corporation of America. 196,757-8; Nov. 18.
 Variometers, variable condensers, head sets, etc. American Specialty Company. 202,479; Nov. 18.
 Wireless receiving sets. Complete. L. C. Greene. 196,915; Nov. 18.

CLASS 22.

Games, Card. E. M. Wrightson. 203,501; Nov. 18.
 Golf bags. Henry Hotze & Sons Company. 203,572; Nov. 18.
 Rackets, Tennis. W. Bancroft. 203,556; Nov. 18.

CLASS 23.

Pumps and internal-combustion engines and parts thereof. Ralph B. Carter Company. 203,224; Nov. 18.
 Rubber linings for sleeves, conduits, and receptacles, etc. R. F. Goodrich Company. 203,077; Nov. 18.
 Shuttles. Shambow Shuttle Company. 202,955-6; Nov. 18.
 Tongs, Oyster and Ice. C. D. Briddell. 203,162; Nov. 18.

CLASS 24.

Drying machines. American Laundry Machinery Company. 201,073; Nov. 18.
 Extractors. American Laundry Machine Company. 201,072; Nov. 18.
 Washing machines and wringers. Lincoln Sales Co. 195,011; Nov. 18.
 Washing machines, Laundry. Happy Home Steam Washing Machine Co. 201,236; Nov. 18.

CLASS 25.

Picture-projecting machines. Motion. V. Hill. 203,272; Nov. 18.

CLASS 27.

Clocks. New Haven Clock Co. 202,945; Nov. 18.
 Clocks and watches. New Haven Clock Co. 202,301; Nov. 18.
 Clocks and watches and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 202,629-30; Nov. 18.
 Watch mainsprings, stems, balance staffs, etc. M. J. Lampert & Sons, Inc. 198,948; Nov. 18.
 Watches and watch movements. Knickerbocker Watch Co. 201,295; Nov. 18.
 Watches, watch dials, and watchworks. E. Gistiger. 200,145; Nov. 18.

CLASS 28.

Jewelry. National Department Stores Inc. 209,516; Nov. 18.

CLASS 29.

Dust cloths. Crumb & Snyder Co. 203,229; Nov. 18.

CLASS 32.

Lockers, desks, tables, and storage cabinets. Lyon Metallic Manufacturing Company. 197,608; Nov. 18.
 Mattresses. J. Bellows. 187,082; Nov. 18.
 Mattresses. Empire Mattress Company. 202,617; Nov. 18.
 Seat pads and cushions. Eyr Klean Seat Pad Co. 201,550; Nov. 18.
 Shades, Window. Columbia Mills, Incorporated. 190,533; Nov. 18.
 Springs, Wire bed. Grand Rapids Bedding Company. 202,900; Nov. 18.

CLASS 33.

Light diffuser. Sergeant Glass Co. 202,184; Nov. 18.

CLASS 34.

Burners or heaters. Liquid-fuel. Hofmann Engineering Company. 203,460; Nov. 18.
 Heaters, Gas-burning radiant. D. H. McCorkle Mfg. Co. 174,904; Nov. 18.
 Lighters, gas lighters, etc. Pyrophoric. S. E. Guinn Mfg. Co. 182,500; Nov. 18.

CLASS 35.

Tires and inner tubes. United Cycle Co. 202,423; Nov. 18.

CLASS 36.

Banjos and music stands. C. Bruno & Son, Inc. 199,773; Nov. 18.
 Phonograph and graphophone records. Master record plates for. H. Elmer. 190,876; Nov. 18.
 Phonographs. Osland, Inc. 183,987; Nov. 18.

CLASS 37.

Chalk, lead-pencil pointers, rubber bands, etc. Schwan-Bleistift-Fabrik A.-G. 190,852; Nov. 18.
 Paper bags, paper napkins, and toilet paper. A. B. C. Stores, Incorporated. 196,282; Nov. 18.
 Paper, Envelope-making. Royal Card & Paper Co. 202,808; Nov. 18.
 Paper, Waterproof. Crooks-Dittmar Co. 203,200; Nov. 18.
 Radio log books or records. H. G. Wright. 195,934; Nov. 18.

CLASS 38.

Magazine. MacFadden Publications, Inc. 183,931; Nov. 18.
 Magazine. Midnight Publishing Corporation. 184,344; Nov. 18.
 Magazine. G. C. Reid. 203,291; Nov. 18.
 Magazine, article heading. Leslie-Judge Company. 202,590; Nov. 18.
 Magazine, Monthly. Germott Publishing Co. 202,203; Nov. 18.
 Magazine, Monthly. John Morrell & Co. 202,413; Nov. 18.
 Magazines. Kuhl & Bent Company. 191,887; Nov. 18.
 Magazines, Quarterly. Great Outdoors Association, Inc. 199,353; Nov. 18.
 Periodical. L. S. Stein. 201,778; Nov. 18.
 Publication, Monthly. Periodical Publishing Company. 200,897; Nov. 18.

CLASS 39.

Boots and shoes. Holland Shoe Co. 202,870; Nov. 18.
 Boots and shoes. Roufa Brothers. 200,967; Nov. 18.
 Coats and suits. H. & J. D. Cohen, Inc. 201,695; Nov. 18.
 Coats, suits, and dresses, Ladies'. E. J. Wile & Co. 202,572; Nov. 18.
 Coats, topcoats, trousers, etc. H. & L. Epstein, Inc. 202,551; Nov. 18.
 Clothing, Outer. L. Greif & Bro. Incorporated. 187,739; Nov. 18.
 Clothing, Women's, girls', and misses'. General Import & Export Trading Co. 195,278; Nov. 18.
 Corsets, brassieres, and underwear. Kops Bros. Inc. 203,577; Nov. 18.
 Dresses, coats, and suits, Ladies'. Styles Service Syndicate, Incorporated. 202,720; Nov. 18.
 Fur coats. Abrams & Linden. 202,968; Nov. 18.
 Gloves and hosiery, Fabric. Comet Textile Co. 202,240; Nov. 18.
 Gloves and hosiery, Fabric. Comet Textile Co. 202,242; Nov. 18.
 Hats, caps, gloves. Barton Hat Company. 190,281; Nov. 18.
 Hosiery. Kreeger Store, Incorporated. 202,963; Nov. 18.
 Hosiery. M. Mendelsohn. 202,593; Nov. 18.
 Hosiery. Voorhees Sales Company. 203,448; Nov. 18.
 Hosiery, Ladies'. P. L. Cook. 202,933; Nov. 18.
 Hosiery, Ladies'. Mammoth Hosiery Mills. 202,881-2; Nov. 18.
 Hosiery, men's underwear, shirts, sweaters, etc. Schwartz Bros. & Co. 185,045; Nov. 18.
 Hosiery, underwear, shirts, and sleeping garments. L. Dinkelspiel Co. 203,560; Nov. 18.
 Overalls. Rose Overall & Shirt Company. 200,373; Nov. 18.
 Overalls and shirts. Service Garment Company. 203,009; Nov. 18.
 Pants and overalls, Men's dress and work. Norton Bros. & Morris. 202,635; Nov. 18.
 Shirts. Cluett, Peabody & Company. 203,226; Nov. 18.
 Shirts. Jacob Gerhardt & Sons. 190,616; Nov. 18.
 Shirts, Men's dress. Silberstein Bros. Shirt Co. 202,957; Nov. 18.
 Shirts, Work. Rose Overall & Shirt Company. 200,372; Nov. 18.
 Shoes. G. S. Gunmer. 197,596; Nov. 18.
 Shoes. L. Morshin. 170,253; Nov. 18.
 Shoes. M. Wyman. 202,841-2; Nov. 18.
 Shoes, Leather. Copeland & Ryder Company. 198,055; Nov. 18.
 Shoes, Leather. Endicott Johnson Corporation. 197,140; Nov. 18.
 Shoes, Men's leather. Alfred Kimball Shoe Co. 202,754; Nov. 18.
 Suits and overcoats, Men's. Desmond Clothing Co. 203,456; Nov. 18.
 Suits and overcoats, Men's and boys'. Hess Brothers. 201,194; Nov. 18.
 Suits for boys. L. J. & C. D. Jaffee, Inc. 201,035; Nov. 18.
 Suits, overcoats, and raincoats. Carter Clothing Corporation. 202,550; Nov. 18.
 Suits, vests, coats, trousers, etc., Men's. J. David. 200,094; Nov. 18.
 Swimming suits. Jantzen Knitting Mills. 203,129-30; Nov. 18.
 Underwear, hosiery, and sweaters. Wellworth Mills Company. 190,731; Nov. 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 40.

Barrettes, combs, hairpins, etc. Behr & Hirtenstein. 203,557; Nov. 18.
 Buckles. Garment-supporting-belt. D. M. Wirth. 194,964; Nov. 18.
 Fur trimmings for wearing apparel. S. Horustein. 202,807; Nov. 18.
 Laces, Shoe. M. Adler. 184,374; Nov. 18.

CLASS 42.

Awning stripes. California Painted Fabric Co. 199,774; Nov. 18.
 Blankets. Cotton. Beacon Manufacturing Company. 201,795-7; Nov. 18.
 Cotton, silk, and woolen piece goods. Bradford Dyeing Asso. (U. S. A.) 201,278; Nov. 18.
 Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 201,280-2; Nov. 18.
 Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 203,617; Nov. 18.
 Fabrics in the piece, Pile. Sidney Blumenthal & Co. 203,295; Nov. 18.
 Fabrics in the piece, Pile. Salt's Textile Company. 203,593; Nov. 18.
 Fabrics in the piece, Pile. Salt's Textile Company. 203,595; Nov. 18.
 Fabrics in the piece, Pile. Salt's Textile Company. 203,597; Nov. 18.
 Fabrics in the piece, Pile. Salt's Textile Company. 203,599; Nov. 18.
 Fabrics in the piece, Pile. Salt's Textile Company. 203,601; Nov. 18.
 Fabrics in the piece, Pile. Salt's Textile Company. 203,603; Nov. 18.
 Fabrics in the piece, Woven, knitted, etc. Cheney Brothers. 203,400; Nov. 18.
 Hair nets. B. Altman & Co. 203,614; Nov. 18.
 Linen in the piece, Mercerized. Gilmore, Bermond & Co. 200,815; Nov. 18.
 Linens in the piece, Pure. Gilmore, Bermond & Co. 200,814; Nov. 18.
 Rugs. Deltos Grass Rug Company. 152,607; Nov. 18.
 Silk fabrics, Knitted. Lang Knitting Mills, Inc. 200,999; Nov. 18.
 Silk piece goods. J. A. Migel, Inc. 201,462; Nov. 18.
 Silk piece goods, silk ribbons, velvet piece goods, and handkerchiefs. Burton, Price & Company. 198,982; Nov. 18.

Wool-velour coating piece goods. C. Bahnsen & Co. 186,538; Nov. 18.
 Woolen piece goods. S. Stein & Co. 203,340; Nov. 18.
 Woolen piece goods. Strong, Hewat & Co. 203,344; Nov. 18.

CLASS 43.

Thread, Linen. Linen Thread Company. 200,567; Nov. 18.

CLASS 44.

Rubber articles for the prevention of contagious diseases, Prophylactic. L. Hilsenbeck. 203,287; Nov. 18.
 Toothpicks. Berst-Forster-Dixfield Company. 203,364; Nov. 18.

CLASS 45.

Beverages and compounds and concentrates for producing the same. Orange Crush Co. 201,973; Nov. 18.

Drinks, Soft. C. Anderson. 201,525; Nov. 18.
 Mineral waters, Natural. Excelsior Saline Water Company. 202,053; Nov. 18.

CLASS 46.

Bacon bellies. Neuhoff Packing Company. 202,177; Nov. 18.
 Butter and cheese. New Zealand Co-Operative Dairy Company Limited. 168,331; Nov. 18.
 Candles. F. Imlay. 201,993; Nov. 18.
 Candy. Hawley & Hoops. 202,209-10; Nov. 18.
 Canned food products. College Inn Food Products Company. 200,749; Nov. 18.
 Canned fruits, berries, and vegetables, fruit preserves, fresh prunes. Starr Fruit Products Co. 200,905; Nov. 18.
 Canned peppers. M. de Bruyn. 199,530; Nov. 18.
 Canned salmon. Columbia River Packers Association. 201,022; Nov. 18.
 Chocolate and cocoa products. Hershey Brothers. 201,663; Nov. 18.
 Coffee. B. Angel. 200,924; Nov. 18.
 Confection. Smiling Charlie, Inc. 190,477; Nov. 18.
 Crackers, cookies, rolled oats, etc. Park Bros. Inc. 185,905; Nov. 18.
 Flavoring extracts, marmalades, jams, jellies, etc. California Laboratories, Inc. 202,050; Nov. 18.
 Flour, Self-rising wheat. Lawrenceburg Roller Mills Co. 201,000; Nov. 18.
 Flour, Wheat. Boonville Mills Company. 203,019-21; Nov. 18.
 Flour, Wheat. Doptoglou Bros. of N. Y. 200,248; Nov. 18.
 Food for infants and invalids. Keen, Robinson & Company. 203,318; Nov. 18.
 Food, Stock. Molasses Feeds Company. 200,214; Nov. 18.
 Fruits and vegetables, Fresh. J. H. Snyder. 201,107; Nov. 18.
 Fruits, vegetables, jellies, etc. L. J. Canova. 202,793; Nov. 18.
 Fudge. Brownley Inc. 191,526; Nov. 18.
 Gelatin desserts. Royal Baking Powder Company. 197,115; Nov. 18.
 Ham. Neuhoff Packing Company. 202,178; Nov. 18.
 Ice cream, ices, and candies. M. C. Hoakland. 201,754; Nov. 18.
 Milk, Condensed and evaporated. Detroit Commerce Company. 203,113; Nov. 18.
 Nuts and nut bars. C. F. Wheaton. 185,235; Nov. 18.
 Poultry. R. L. Ditzler. 202,287; Nov. 18.
 Poultry, Dressed. Norfolk Poultry Company. 202,354; Nov. 18.
 Salad dressing. Mrs. Jno. D. White. 196,495; Nov. 18.
 Sauce, Cocoa. B. Heller & Company. 203,377; Nov. 18.
 Syrup, Malt. J. B. Tuor. 197,914; Nov. 18.

CLASS 50.

Corks. Century Cork Co. 203,368; Nov. 18.
 Signs and stage scenery. Chameleon Company. 183,465; Nov. 18.
 Tents. Henrix-Luebbert Mfg. Co. 202,343; Nov. 18.
 Wagon covers, Detachable. Crawford-Austin Manufacturing Co. 198,122; Nov. 18.
 Window sills, Auxiliary. H. Johnson. 201,197; Nov. 18.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, releases, and designs.

- A & W Electric Sign Company, The. (See Walser, Henry J., assignor.)
- Acken, Thomas L. (See Eckrode, C. E., Acken, and Welland.)
- Acker, Aaron, assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y. Curtain-rod bracket. Des. 65,988; Nov. 18.
- Acker, Aaron, assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y. Curtain-rod bracket. Des. 65,989; Nov. 18.
- Adamich, Joseph, San Francisco, Calif. Safety holder. 1,516,035; Nov. 18.
- Adams, Gideon S., Palermo, N. J. Resilient vehicle tire. 1,516,318; Nov. 18.
- Adams Motors Corporation. (See Adams, Walter L., assignor.)
- Adams, Walter L., assignor to Adams Motors Corporation, New Haven, Conn. Suspension for automobiles. 1,515,716; Nov. 18.
- Adelmann, Albrecht, New York, N. Y. Combination tool. 1,515,820; Nov. 18.
- Adland, Victor E., Chicago, Ill. Waste-preventing chute for centrifugal extractors. 1,516,131; Nov. 18.
- Almsworth Manufacturing Company. (See Potter, Albert T., assignor.)
- Airheart, Ralph A., assignor to American Tripoli Company, Seneca, Mo. Laundering. 1,515,647; Nov. 18.
- Air Reduction Company. (See Bucknam, Worth C., assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, F. and Andersson, assignors.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Dällenbach, Walter, assignor.)
- Albert, John B., Bridgeport, Conn. Ignition-switch lock for automobiles. 1,515,764; Nov. 18.
- Albright, Andrew, Jr., Ashbury Park, N. J. Lather brush. Des. 65,990; Nov. 18.
- Albright, Neil T., assignor to Kokomo Automotive Mfg. Co., Kokomo, Ind. Faceplate for signal lamp. Des. 65,991; Nov. 18.
- Allen, William R., Ventura, W. M. Marker, Taft, and F. Richmond, Oilfields, Calif. Oil and water stratifying device. 1,516,132; Nov. 18.
- Allison, Melvin, Decorah, Iowa. Device for marking athletic fields. 1,515,987; Nov. 18.
- Allyn, William N., Auburn, N. Y. Ophthalmoscope connection for dry-battery handles. 1,516,133; Nov. 18.
- Altorfer, Alphens W., Peoria, Ill., assignor, by mesne assignments, to Central Trust Company of Illinois. Washing machine. 1,516,134; Nov. 18.
- Alvensleben, Hans, Cammin, Germany, assignor of one-half to K. Randig, Baldwin, N. Y. Lock. 1,515,919; Nov. 18.
- Amedee-Mannheim, Charles, Paris, France. Progressive change-speed gear. 1,516,070; Nov. 18.
- American Can Company. (See Peters, John F., assignor.)
- American Casting and Manufacturing Corporation. (See Dietze, Emil, assignor.)
- American Chain Company. (See Goetz, Oscar H., assignor.)
- American Crayon Company, The. (See Daniel, Charles E., assignor.)
- American Fabrics Company, The. (See Page, Samuel H., assignor.)
- American Flexible Bolt Company. (See Frauenheim, Joseph A., assignor.)
- American Hardware Corporation, The. (See Hagen, William L., assignor.)
- American Hardware Corporation, The. (See Mackay, Alexander L., assignor.)
- American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
- American Iron & Machine Works, Inc. (See Godfrey, Frank E., assignor.)
- American Laundry Machine Company, The. (See Benjamin, D. H., and McCarthy, assignors.)
- American Optical Company. (See Healey, Joseph H., assignor.)
- American Optical Company. (See Hill, Harry W., assignor.)
- American Optical Company. (See Reeve, Howard T., assignor.)
- American Optical Company. (See Schumacher, E. L., and Boutelle, assignors.)
- American Optical Company. (See Styll, H. H., and Tillyer, assignors.)
- American Optical Company. (See Wason, Robert M., assignor.)
- American Shoe Machinery Company. (See Wright, W. C., and Merrick, assignors.)
- American Stove Company. (See Stockstrom, Arthur, assignor.)
- American Telephone and Telegraph Company. (See Crismon, George, assignor.)
- American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
- American Thread Company, The. (See Curry, Malcolm, assignor.)
- American Tripoli Company. (See Airheart, Ralph A., assignor.)
- American Wiremold Company, The. (See Murphy, Daniel H., assignor.)
- Amy, Walter C., Pilgrims Rest, Transvaal, South Africa. Scissors. 1,516,319; Nov. 18.
- Anderson, Adolph I., Zumbrota, Minn. Silo construction. 1,516,320; Nov. 18.
- Anderson-Barngrover Mfg. Co. (See Burrell, Frank L., assignor.)
- Anderson, Carl L., et al. (See Swenson, Carl E., assignor.)
- Anderson, E. D., Inc. (See Beckmann, Carl, assignor.)
- Anderson, John W., Newcastle, Ind. Continuous furnace. 1,515,586; Nov. 18.
- Andersson, Nils F. F. (See Ljungström, F., and Andersson, assignors.)
- Andrea, F. A. D., Inc. (See Sieweck, Charles A., assignor.)
- Apollant, Stanley L., Jersey City, N. J. Performing skin-grafting operations and surgical instruments used therefor. 1,516,071; Nov. 18.
- Arcani, Domingo, La Plata, Argentina. Automatic switch for point blades. 1,515,587; Nov. 18.
- Armstrong, James R., Pittsburgh, and T. B. Wylie, Bellevue, Pa. Integrating and registering device for fluid meters. 1,515,988; Nov. 18.
- Arnold, Mervin V., Evansville, Ind. Expansion valve for refrigerating machines. 1,515,648; Nov. 18.
- Armitage, Marjorie B., Colorado Springs, Colo. Child's vehicle. 1,516,321; Nov. 18.
- Aseptic Service Company. (See Rees, Warren C., assignor.)
- Ashley, Frank M. (See Trust, H., and Ashley.)
- Asser, Sydney, Victoria, British Columbia, Canada. Internal-combustion engine. 1,515,765; Nov. 18.
- Astren, Samuel, San Francisco, Calif. Sprayer. 1,515,766; Nov. 18.
- Atlas Powder Company. (See Grant, H. L., and Djidics, assignors.)
- Atterholt, Oliver S., Frostburg, Md. Tumbler or similar article. Des. 65,992; Nov. 18.
- Atwood Machine Company. (See Bradley, Edward E., assignor.)
- Auch, Joseph, Pasadena, assignor, by mesne assignments, to A. C. Lillie, Los Angeles, Calif. Tonneau windshield. 1,515,920; Nov. 18.
- Automatic Buffing Machine Co. (See Wheaton, Lewis W., assignor.)
- Automatic Electric Company. (See Chapin, William A., assignor.)
- Automatic Electric Company. (See Homrighous, John H., assignor.)
- Automatic Electric Company. (See Powell, Winfred T., assignor.)
- Avery, Addison E., Oak Park, Ill. Cherry pitter. 1,515,588; Nov. 18.
- Avery, Henry C., New Brunswick, N. J., assignor to The Flintkote Company, Boston, Mass. Making saturated sheet material. 1,515,821; Nov. 18.
- Ayotte, Joseph R., Chicago, Ill., assignor to Liberty Products Manufacturing Company. Automobile running-board footlight. 1,515,717; Nov. 18.
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Baker, Emerson W. (See Falwell, Wray, assignor.)
- Baker, Frank L., Chicago, Ill. Lubricating system for motor vehicles. 1,515,822; Nov. 18.
- Baldwin, Frederick W., Baddeck, Nova Scotia, Canada. Hydromed. 1,515,649; Nov. 18.
- Ball, John M. (See Kibler, Edward, assignor.)
- Ballard, Carey G., Los Angeles, Calif. Tool-handle wedge. 1,515,921; Nov. 18.

Baltimore Trust Company, trustee. (See Scott, Alexander A., assignor.)
 Banes, Walter D., Germantown, Pa., assignor to General Pressed Metal Company. Receptacle. 1,515,989; Nov. 18.
 Bangay, Raymond D., London, England, assignor to Radio Corporation of America. Wireless telegraphy. 1,515,990; Nov. 18.
 Barber Asphalt Company, The. (See Miller, John S., Jr., assignor.)
 Barnard, Therides V., Schaller, Iowa. Corn popper, nut roaster, and mixer. 1,516,135; Nov. 18.
 Barnes, Frederick M., Seattle, Wash. Service cabinet. 1,515,922; Nov. 18.
 Barr, Nelt, assignor to The Barr Rubber Products Company, Lorain, Ohio. Apparatus for forming rings or beads on the necks of toy balloons. 1,516,072; Nov. 18.
 Barr Rubber Products Company, The. (See Barr, Nelt, assignor.)
 Barrett Company, The. (See Mortimer, Charles W., assignor.)
 Barrett Company, The. (See Perry, Ray P., assignor.)
 Bascou, Emile B. G., Neuilly-sur-Seine, France. Agglomerating the products and recovering the oil from products obtained by agitating pulverized coal with oil in water. 1,516,171; Nov. 18.
 Battelli, Frédéric. (See Stern, L., and Battelli.)
 Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Tumbler switch. 1,515,650; Nov. 18.
 Bazin, Hector, Detroit, Mich. Glass-drawing bait and holder for glass-drawing machines used in processes of drawing glass. 1,516,136; Nov. 18.
 Beatty, Arthur, Alhambra, Calif. Windmill. 1,516,472; Nov. 18.
 Beaucoudray, Aiden C., New Orleans, La. Baby tender. 1,516,322; Nov. 18.
 Beckmann, Carl, assignor to E. D. Anderson, Inc., New York, N. Y. Packaging machine. 1,515,589; Nov. 18.
 Beech-Nut Packing Company. (See Maichle, William H., assignor.)
 Beede, Herbert G., Pawtucket, R. I. Spinning or twisting frame. 1,515,651; Nov. 18.
 Bell, Thomas H., J. J. Heslin, and T. F. Delaney, assignors to The De Lancy Heslin Products Corporation, New York, N. Y. Torch. 1,515,991; Nov. 18.
 Benjamin, Dana H., Cleveland Heights, Ohio, and J. P. McCarthy, Chicago, Ill., assignors to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 1,516,475; Nov. 18.
 Benjamin, E. V., Company, The. (See Goben, Edward G., assignor.)
 Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade holder. 1,516,263; Nov. 18.
 Benner, Raymond C. (See French, H. F., and Benner.)
 Benoit, Joseph F., assignor to Sanford Mills, Sanford, Me. Yarn package and core therefor. 1,515,823; Nov. 18.
 Bentz, Donald R. (See Bohne, C. F., and Bentz.)
 Berg, John G., assignor to Leland-Gifford Company, Worcester, Mass. Adjustable milling cutter. 1,516,172; Nov. 18.
 Bergman, Louis, Clinton, Iowa. Clothes-feeding device for wringers. 1,516,173; Nov. 18.
 Berkower, Louis, Port Richmond, N. Y. Calendar. 1,515,718; Nov. 18.
 Bernstein, Max M., assignor to Campbell, Metzger & Jacobson, New York, N. Y. Skein package. 1,516,137; Nov. 18.
 Bernston, Bernhard H., and J. E. Nordgren, Chicago, Ill. Vegetable cutter. 1,515,923; Nov. 18.
 Bertelson, Axel E., New York, N. Y. Glass sponge and making same. 1,515,653; Nov. 18.
 Berthelot, Daniel, and H. Guilbaud, Paris, France. Carburetor. 1,515,992; Nov. 18.
 Best, John H., Galva, Ill. Display truck. 1,515,824; Nov. 18.
 Bethke, John P., and G. H. Fobian, assignors to Magnetic Manufacturing Co., Milwaukee, Wis. Magnetic pulley. 1,515,719; Nov. 18.
 Beyer, Bertrand E., Paterson, N. J., assignor to General Norit Co., Ltd., New York, N. Y. Apparatus for feeding viscous materials. 1,515,993; Nov. 18.
 Beyl, Emil A., Minneapolis, Minn. Friction clutch. 1,516,138; Nov. 18.
 Bickett, Le Roy M. (See Moldenhauer, E. F., and Bickett.)
 Bilton, George E., Toronto, Ontario, Canada. Fall-leaf table. 1,516,323; Nov. 18.
 Blaford, Edwin B., Pasadena, Calif. Forcing stain and the like into shingles in bundles. 1,516,036; Nov. 18.
 Bissell, David J., Jr., assignor to Otis Automatic Train Control Incorporated, Spokane, Wash. Automatic speed-control valve for trains. 1,515,825; Nov. 18.
 Black, Joseph W., Chicago, Ill., assignor of one-half to F. Davenport. Oil gauge for crank cases. 1,516,139; Nov. 18.
 Black, Robert S., assignor to Special Chemicals Company, Highland Park, Ill. Composition for dental use. 1,516,140; Nov. 18.
 Blackford, Ralph E., Middletown, Ohio. Metal keg. 1,516,073; Nov. 18.
 Blair, Dink, Dennison, Tex. Drilling machine. 1,515,924; Nov. 18.
 Blair Manufacturing Company. (See Case, Adelbert B., assignor.)
 Blaw-Knox Company. (See Venable, William M., assignor.)
 Bledsoe, John H., assignor to Equitable Asphalt Maintenance Company, Kansas City, Mo. Asphalt heater. 1,516,141; Nov. 18.
 Bliss, Homer H., Rockford, Ill. Display. 1,516,264; Nov. 18.
 Blondeau, Alexander, Estevan, Saskatchewan, Canada. Nonfreezing blow-off valve. 1,515,720; Nov. 18.
 Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gauge. 1,516,142; Nov. 18.
 Blood, Harold L., North Plainfield, and A. E. Winey, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Tool-feeding mechanism. 1,516,143; Nov. 18.
 Bodde, Theodore, Niagara Falls, N. Y. Receptacle attachment. 1,516,324; Nov. 18.
 Boggs, Hugh L., Muncie, Ind. Electric chain-pull switch. 1,516,144; Nov. 18.
 Bohne, George, Fouke, Ark. Insect-catching and cotton-picking machine. 1,515,826; Nov. 18.
 Bohne, Carl F., and D. H. Bentz, Norfolk, Nebr. Dirigible headlight. 1,516,325; Nov. 18.
 Bonhôte, Géraud. (See De Montmollin, G., and Bonhôte.)
 Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,515,721; Nov. 18.
 Boor, Paul, Forsyth, Mont. Beet harvester. 1,516,037; Nov. 18.
 Borg, Fredrik G., Chicago, Ill. Concrete building construction. 1,516,074; Nov. 18.
 Bosshardt, Rudolf, St. Gall, Switzerland. Thread counter. 1,516,145; Nov. 18.
 Bouchayer, Auguste, Grenoble, France, assignor, by mesne assignments, to Electrolytic Iron, Inc., Dover, Del. Manufacture of electrolytic iron. 1,516,326; Nov. 18.
 Boutelle, William H. (See Schumacher, E. L., and Boutelle.)
 Bowman, Albert W., Winthrop, Mass. Oscillation detector. 1,515,994; Nov. 18.
 Howe, Herbert R., Minneapolis, Minn. Coffee-display case. 1,516,451; Nov. 18.
 Bower, Harry J., Camden, N. J. Twine holder and take-up. 1,516,075; Nov. 18.
 Boyd, Roy. (See Hollis, F. J., and Boyd.)
 Boyd, William J., Youkers, assignor to Peerless Roll Leaf Co., Inc., New York, N. Y. Transfer metallized medium. 1,515,722; Nov. 18.
 Bradley, Edward E., assignor to Atwood Machine Company, Stonington, Conn. Feed roll for spinning machines. 1,516,076; Nov. 18.
 Brandenberger, Oscar, assignor to the Firm Subox A. G., Zurich, Switzerland. Manufacturing building materials. 1,515,723; Nov. 18.
 Brandes, C., Inc. (See Ulrich, Louis J., assignor.)
 Brasseur, Ernest J., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Stencil-duplicating machine. 1,516,227; Nov. 18.
 Brasseur, Ernest J., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Stencil-duplicating machine. 1,516,228; Nov. 18.
 Breguet, Louis, assignor to Société Anonyme des Ateliers d'Aviation Louis Bréguet, Paris, France. Manufacture of a light and resisting warpable metallic surface. 1,516,371; Nov. 18.
 Brenkert, Joseph W., Detroit, Mich., and K. Brenkert, San Diego, Calif. Framing device for spot flood lamps. 1,515,724; Nov. 18.
 Brenkert, Karl. (See Brenkert, Joseph W. and K.)
 Brennan, Thomas D., Tulsa, Okla. Oil burner. 1,515,804; Nov. 18.
 Bressler, Robert E., assignor to Western Wheeled Scraper Company, Aurora, Ill. Railway way construction and maintenance car. 1,515,827; Nov. 18.
 Bretos y Claveria, Manuel, Santiago, Cuba. Folding-blind window. 1,515,929; Nov. 18.
 Bridwell, William A. (See Isom, A., and Bridwell.)
 Briglin, Dennis R., Naples, N. Y., assignor to C. M. Ford, Dearborn, Mich. Extension-rim fastener. 1,515,828; Nov. 18.
 Brink, Judson B., and E. H. Buss, assignors of one-half to Zollinger & Schroth, Inc., Emsus, Pa. Friction-distributing let-off. 1,515,725; Nov. 18.
 Brinkman, Elizabeth, et al. (See Brinkman, Oscar F., assignor.)
 Brinkman, Oscar F., assignor to E. Brinkman, Lancaster, and R. T. Sherman, Lebanon, Pa. Glare screen. 1,515,905; Nov. 18.
 Brookvist, Eric R., Brooklyn, N. Y. Pressure and vacuum gauge. 1,516,077; Nov. 18.
 Brooks, Bloomfield H., Denver, Colo. Tent structure. 1,516,372; Nov. 18.
 Brown Holsting Machinery Company, The. (See Scott, Harry E., assignor.)
 Brownfield, John E., assignor of one-half to J. C. Jones, Denver, Colo. Piston ring. 1,516,327; Nov. 18.
 Brownfield, John E., Denver, Colo. Piston and ring therefor. 1,515,829; Nov. 18.

Broxon, James E., Akron, Ohio. Machine for assembling spokes in wheels. 1,516,328; Nov. 18.
 Brunswick-Balke-Collender Company, The. (See Miller, John O., assignor.)
 Bryant Electric Company, The. (See Johnson, George A., assignor.)
 Bryant Electric Company, The. (See Thomas, George B., assignor.)
 Bryce, James W., Binghamton, N. Y., assignor to The International Time Recording Company of New York. Electric multiplying machine. 1,515,995; Nov. 18.
 Buchanan, Ferdinand C., assignor of one-half to A. A. Kramer, Kansas City, Mo. Tank construction. 1,515,996; Nov. 18.
 Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatic lathe. 1,516,146; Nov. 18.
 Bucknam, Worth C., Jersey City, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Torch. 1,516,078; Nov. 18.
 Buedding, William L., Milwaukee, Wis. Container. 1,516,147; Nov. 18.
 Bull, Charles H., et al. (See Claire, Louis V., assignor.)
 Burchett, Walter J., East Orange, N. J., assignor, by mesne assignments, to Simplex Utilities Corporation. Carburetor control. 1,515,830; Nov. 18.
 Burkhardt, Frederick C., assignor to The Crosby Company, Buffalo, N. Y. Axle housing. 1,516,148; Nov. 18.
 Burklin, William, St. Louis, Mo. Curved-plate trimmer. 1,515,726; Nov. 18.
 Burner, Thomas E., Carthage, Ill. Grinding mill. 1,515,654; Nov. 18.
 Burrell, Frank L., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Dehydrator. 1,515,925; Nov. 18.
 Burt, Fred C., New Hudson, Mich. Radiator-soldering device. 1,515,806; Nov. 18.
 Burtnett, Charles A. (See Burtnett, Everett R., assignor.)
 Burtnett, Everett R., assignor of one-half to C. A. Burtnett, Los Angeles, Calif. Internal-combustion engine. 1,515,926; Nov. 18.
 Bushy, Julius E., Hazard, Ky. Cross-tie nipper. 1,516,329; Nov. 18.
 Bush Electric Company, The. (See Bush, Hazel B., assignor.)
 Bush, Hazel B., Bedford, assignor to The Bush Electric Company, Cleveland, Ohio. Lineman's platform. 1,515,831; Nov. 18.
 Buss, Edward H. (See Brink, J. B., and Buss.)
 Butler, Robert S., Joplin, Mo. Mine shovel. Re15,950; Nov. 18.
 Butterfield, Charles S., San Francisco, Calif. Hinge. 1,516,330; Nov. 18.
 Calberk, Newton, Nappanee, Ind. Animal trap. 1,515,590; Nov. 18.
 Caldwell, Albert E., assignor to Continental Rubber Works, Erie, Pa. Tire tread. Des. 65,993; Nov. 18.
 Caldwell, Albert E., assignor to Continental Rubber Works, Erie, Pa. Tire tread. Des. 65,994; Nov. 18.
 California Card Manufacturing Company. (See Helmqvist, William J., assignor.)
 California Wire Cloth Company. (See Scarles, John C., assignor.)
 Canelon, George W., deceased, Hondo, Tex.; Mrs. M. E. Cameron, executrix. Tool. 1,516,229; Nov. 18.
 Cameron, Mrs. Mollie E., executrix. (See Cameron, George W.)
 Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism. 1,515,832; Nov. 18.
 Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car. 1,515,833; Nov. 18.
 Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism. 1,515,834; Nov. 18.
 Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper dump car. 1,515,835; Nov. 18.
 Campbell, Metzger & Jacobson. (See Bernstein, Max M., assignor.)
 Canner, Albert D., Camp Holabird, Md. Lathe tool. 1,515,591; Nov. 18.
 Canter, Morris, South Norwalk, Conn. Fleshing machine. 1,515,836; Nov. 18.
 Carroll, Fred M., assignor to The Tabulating Machine Company, Endicott, N. Y. Listing machine. 1,516,079; Nov. 18.
 Carse, Durwood F. (See Nagorski, J. F., and Carse.)
 Carter, James T., and G. E. Watkins, Milton, Okla. Dirigible-headlight construction. 1,515,655; Nov. 18.
 Caruthers, Eugene W., Secane, and R. C. Paxson, Upper Darby, Lancaster, Pa. Guard-rail clamp. 1,515,727; Nov. 18.
 Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
 Case, Adelbert B., deceased, Springfield, Mass.; Union Trust Company, administrator, assignor to Blair Manufacturing Company. Lawn mower. 1,516,419; Nov. 18.
 Cash, A. W., Company. (See Terry, Charles M., assignor.)
 Catlett, Joseph C., and E. F. Nelson, East Orange, N. J., assignors to I. R. Nelson Co. Holding device for coils. 1,516,331; Nov. 18.
 Cattley, Louis de M., Llandaff, near Cardiff, Wales. Accumulator plate. 1,516,373; Nov. 18.
 Central Trust Company of Illinois. (See Altorfer, Alpheus W., assignor.)
 Challacombe, Robert H. (See Holdaway, H. H., and Challacombe.)
 Chamberlin, Lewis H., et al. (See Claire, Louis V., assignor.)
 Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
 Chan, Fred H., San Francisco, Calif. Vehicle signal-lamp casing. Des. 65,995; Nov. 18.
 Chapin, William A., assignor to Automatic Electric Company, Chicago, Ill. Private automatic exchange. 1,515,837; Nov. 18.
 Chappell, Christopher C., Apponaug, R. I. Separable button. 1,515,997; Nov. 18.
 Chiles, George S., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Locomotive pilot beam. 1,516,080; Nov. 18.
 Chisholm, Douglas W., Garnkirk, Scotland. Liquid-fuel furnace. 1,516,332; Nov. 18.
 Citizens of the United States. (See Stephenson, Charles H.)
 Claire, Louis V., assignor of seven-sixteenths to H. C. Wolfe, three-sixteenths to L. H. Chamberlin, one-sixteenth to W. H. Lennon, one-sixteenth to C. M. Droste, and one thirty-second to C. H. Bull, Grand Rapids, Mich. Rake. 1,515,927; Nov. 18.
 Clark, A. G., et al. (See Hahn, Frank R., assignor.)
 Clark, Don A., assignor to The Duston and Clark Engineering Company, Cleveland, Ohio. Winding drum. 1,515,728; Nov. 18.
 Clark, Eddy L., West Pittston, Pa. Pressure-retaining valve. 1,515,998; Nov. 18.
 Clark, Eddy L., West Pittston, Pa. Pressure-retaining valve. 1,515,999; Nov. 18.
 Clark, Eddy L., West Pittston, Pa. Pressure-retaining valve. 1,516,000; Nov. 18.
 Clark, Everett E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Whipstick for Axminster looms. 1,515,838; Nov. 18.
 Clark, John, Walkerton, Ind. Track liner. 1,515,928; Nov. 18.
 Clark, Millard T., Dayton, Ohio. Automobile radiator cap ornament. Des. 65,996; Nov. 18.
 Clark, William A., Saskatoon, Saskatchewan, Canada. Helicopter. 1,516,001; Nov. 18.
 Clausen, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,516,333; Nov. 18.
 Clement, Edward E., Ocean City, N. J. Electrical heater. 1,515,729; Nov. 18.
 Clement, George A., Durand, Ill. Attachment for can covers. 1,516,334; Nov. 18.
 Clegg, Hans, assignor to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany. Regenerating sulphurous acid and the heat of the waste gas from cellulose boilers. 1,515,656; Nov. 18.
 Cleveland Rock Drill Company, The. (See Nell, Gustave M., assignor.)
 Cobb, Earle H. (See Graham, Eugene, assignor.)
 Cochran, Charles R., Jerome, Ariz. Nut lock. 1,515,657; Nov. 18.
 Cohen, Jay K., et al. (See Grady, Stephen S., assignor.)
 Cohen, Samuel K., et al. (See Grady, Stephen S., assignor.)
 Cohn, Henrietta. (See Cohn, Irwin E., assignor.)
 Cohn, Irwin E., assignor to H. Cohn, New York, N. Y. Carriage cover holder. 1,516,335; Nov. 18.
 Cole, Edward P., Chicago, Ill. Henter. 1,515,730; Nov. 18.
 Cole, Edward P., Chicago, Ill. Combination fan and heater. 1,515,731; Nov. 18.
 Cole, Ethelyn E., Renton, Wash. Flour sifter. 1,515,930; Nov. 18.
 Cole, Thomas C., Southbridge, Mass. Coating aluminum. 1,515,658; Nov. 18.
 Columbia Salvage Corporation. (See Knight, Thomas F., assignor.)
 Comeau, Plus, Weymouth, Nova Scotia, Canada. Centering device. 1,516,420; Nov. 18.
 Connecticut Lace Works, Incorporated. (See Monk, Thomas, assignor.)
 Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Vanity case. 1,515,839; Nov. 18.
 Consolidated Expanded Metal Companies. (See Redding, Edward T., assignor.)
 Continental Rubber Works. (See Caldwell, Albert E., assignor.)
 Conwell, L. R. (See Southworth, P. M., and Hornecker, assignors.)
 Cooper, Joseph, Ashton-under-Lyne, England. Driving mechanism for the loop-taking hook in lockstitch sewing machines. 1,515,732; Nov. 18.
 Copeland Products, Inc. (See Heath, Delos P., assignor.)
 Corbin, Paul, Altus, Okla. Embroidery attachment for sewing machines. 1,515,807; Nov. 18.
 Cordel, Marius C., Halkirk, Alberta, Canada. Nail and spike puller. 1,516,421; Nov. 18.

Cory, Charles & Son, Incorporated. (See Wood, Frank W., assignor.)
 Cotton, Walter H., Chicago, Ill., assignor to Union Draft Gear Co. Draft gear. 1,515,840; Nov. 18.
 Cowles, C. & Company. (See Gates, Louis W., assignor.)
 Cox, Frank F. and C. C. Post, Los Angeles, Calif. Fishing device. 1,516,174; Nov. 18.
 Cox, George W., Jr., assignor to National Assorting Company, Washington, D. C. Sorting device. 1,515,659; Nov. 18.
 Coykendall, Horatio G., Berkeley, Calif. Safety device for motor vehicles. 1,516,081; Nov. 18.
 Crane, Charles H., Newark, N. J. Window-shade bracket and shield. 1,516,149; Nov. 18.
 Cravau, Raoul, Brussels, Belgium. Coke oven. 1,516,082; Nov. 18.
 Craw, George R., Fort Wayne, Ind. Service cabinet. 1,516,150; Nov. 18.
 Cribben & Sexton Company. (See Wilkinson, G. D., and Hartar, assignors.)
 Crissou, George, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Measuring instrument for vacuum tubes. 1,515,600; Nov. 18.
 Crofoot, John B., Chicago, Ill. Stapling machine. 1,516,336; Nov. 18.
 Crompton & Knowles Loom Works. (See Clark, Everett E., assignor.)
 Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
 Crompton & Knowles Loom Works. (See Pfeiffer, George J., assignor.)
 Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
 Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
 Crosebee, Walter A., Malvern, England. Electric sound-producing horn. 1,515,931; Nov. 18.
 Crosby Company, The. (See Burkhardt, Frederick C., assignor.)
 Cross, Roy, Kansas City, Mo. Refining material. 1,515,733; Nov. 18.
 Cross, Walter M., Kansas City, Mo. Compound plug. 1,515,601; Nov. 18.
 Crowder, Frank D., San Francisco, Calif., assignor of one-fourth to L. G. Warfield, Washington, D. C., one-fourth to L. R. Wilhite, Houston, and one-fourth to H. H. Haden, Harris County, Tex. Electric switch. 1,515,932; Nov. 18.
 Crowder, Frank D., San Francisco, Calif., assignor of one-fourth to L. G. Warfield, Washington, D. C., one-fourth to L. R. Wilhite, Houston, and one-fourth to H. H. Haden, Harris County, Tex. Internal-combustion engine. 1,515,933; Nov. 18.
 Cumming, Alexander C., Liverpool, England. Purifying liquids. 1,516,337; Nov. 18.
 Curry, Malcolm, Scarsdale, assignor to The American Thread Company, New York, N. Y. Filled bobbin and producing the same. 1,516,002; Nov. 18.
 Curtis, George W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller conveyor. 1,516,083; Nov. 18.
 Curtis, George E., assignor to Landers, Frary and Clark, New Britain, Conn. Waffle iron. Des. 65,997; Nov. 18.
 Curtis, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Waffle iron. 1,516,265; Nov. 18.
 Cuypers, Michel E. J. A., London, England. Building formed of frames, sections, or elements. 1,516,084; Nov. 18.
 Dager, Charles E., Sanborn, Iowa. Snapping and husking rollers. 1,516,038; Nov. 18.
 Dahlhaus, Gustav, Coblenz, Germany. Bearing support with bolting bars or pins for bicycles, motor cycles, and such like vehicles. 1,515,767; Nov. 18.
 Dillenbach, Walter, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Electrically insulating pipe section for high-vacuum pipe lines. 1,516,422; Nov. 18.
 Dalton, William, Schenectady, N. Y. Rail fastener. 1,516,085; Nov. 18.
 Daman, Arthur C., Denver, Colo. Jlg. 1,516,338; Nov. 18.
 Damberg, David. (See Vogel, G. J., and Damberg.)
 Damon, William N., San Francisco, Calif. Dispensing faucet. 1,515,768; Nov. 18.
 Danbury Unbreakable Tool Corporation, The. (See Stolle, John W., assignor.)
 Daniel, Charles E., assignor to The American Crayon Company, Sandusky, Ohio. Paint box. 1,516,175; Nov. 18.
 Dapron, Joseph M., St. Louis, Mo. Air-brake and safety car-control mechanism. 1,515,841; Nov. 18.
 Dapron, Joseph M., St. Louis, Mo. Air-brake and safety car-control apparatus. 1,515,842; Nov. 18.
 Darby, Edwin, Waterloo, assignor of one-half to C. J. Shaw, Castle Hill, Iowa. Oil burner. 1,516,374; Nov. 18.
 D'Armi, Antonio, Federalburg, Md. Shoemaker's stand. 1,515,808; Nov. 18.
 Davenport, Floyd. (See Black, Joseph W., assignor.)
 Davidson, James, assignor to The Thos. Davidson Mfg. Co., Limited, Montreal, Quebec, Canada. Hinge. 1,516,086; Nov. 18.

Davidson, Thos. Mfg. Co., Limited, The. (See Davidson, James, assignor.)
 Davies, David F., Pittsburgh, Pa. Traction device for truck wheels. 1,515,592; Nov. 18.
 Davis, David L., Portland, Oreg. Sanitary attachment for telephones. 1,516,039; Nov. 18.
 Davis, John B., Lansdowne, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. 1,516,003; Nov. 18.
 Davis, Morris A., Los Angeles, Calif. Interlocking building tile. 1,516,473; Nov. 18.
 Dayton Scale Company. (See Hopkinson, Joseph, assignor.)
 Dayton Scale Company. (See Willey, Vanden J., assignor.)
 Dee, William E., Company. (See Guest, Ward E., assignor.)
 De Holzer, Lewis J., Chicago, Ill. Pneumatic tire. Des. 65,998; Nov. 18.
 De Holzer, Lewis J., Chicago, Ill. Pneumatic tire. Des. 65,999; Nov. 18.
 Dein, George H., Babylon, N. Y. Radiator for automobiles. 1,515,934; Nov. 18.
 Dein, George H., Babylon, N. Y. Shock absorber for vehicles. 1,515,935; Nov. 18.
 De Laitte, Leopold B., assignor, by mesne assignments, to M. Erdin, San Francisco, Calif. Heating apparatus. 1,516,087; Nov. 18.
 De Laney Heslin Products Corporation, The. (See Bell, T. H., Heslin, and Delaney, assignors.)
 Delaney, Thomas F. (See Bell, T. H., Heslin, and Delaney.)
 Delevoe, Robert E. C., Paris, and E. A. F. Dumaine, Neuilly-sur-Seine, assignors to Société Anonyme des Anciens Etablissements Hotchkiss & Cie., Levallois-Perret, Seine, France. Brake-actuating mechanism. 1,516,375; Nov. 18.
 De Montmolin, Guillaume, and G. Bonhôte, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Arylhydroxynaphthylketone and making same. 1,516,376; Nov. 18.
 De More, William R., Jacksonville, Fla. Pump. 1,515,602; Nov. 18.
 Denis, Alfred, Montreal, Quebec, Canada. Canning apparatus. 1,516,474; Nov. 18.
 Dennison, Thomas, and D. Kernohan, Belfast, Ireland. Shoe. 1,516,465; Nov. 18.
 De Pedro, Frank L., Jersey City, N. J. Woman's hand bag. Des. 66,000; Nov. 18.
 De Roos, Charles, Sioux City, Iowa. Fire alarm. 1,515,936; Nov. 18.
 Dessauer, Friedrich, Frankfurt-on-the-Main, Germany. Electrical transformer system. Rel. 951; Nov. 18.
 Detroit Vapor Stove Company. (See Sherman, A. G., and Meadows, assignors.)
 Deutsche Werke Aktiengesellschaft. (See Thomas, August, assignor.)
 De Valois, Antoine R., Miribel, Ain, France. Rendering chlorides of ketones soluble by means of alkalies. 1,516,377; Nov. 18.
 De Ville, Edward J., assignor to The Monarch Engineering Company, Dayton, Ohio. Fluid-controlling device. 1,515,843; Nov. 18.
 Dick, A. B., Company. (See Brasscur, Ernest J., assignor.)
 Dickerson, Charles I., Duchesne, Utah. Traffic transmission machine. 1,516,088; Nov. 18.
 Dickinson, Harry S., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Combined hand and power steering device for tractors. 1,516,266; Nov. 18.
 Dickson, George B., Ike, Mo., assignor of one-half to J. Dickson, Mansfield, Ohio. Resilient wheel. 1,516,378; Nov. 18.
 Dickson, John. (See Dickson, George B., assignor.)
 Diehl, Ludwig H., Darmstadt, Germany. Preparation and smelting of ores, roaster residues, slags, and the like. 1,516,423; Nov. 18.
 Dietrich, Karl, Leipzig, Germany. Pocket typewriting machine. 1,515,663; Nov. 18.
 Dietze, Emil, Richmond Hill, assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y. Tightener for package bands, straps, and the like. 1,516,267; Nov. 18.
 Dillehay, Aldridge, Allen, Tex. Stalk-cutting machine. 1,516,151; Nov. 18.
 Dippel, Henry, San Francisco, Calif. Cube-sugar-packing machine. 1,515,937; Nov. 18.
 Dixon, Joseph, Crucible Company. (See Ungar, Gustave A., assignor.)
 Djidics, Alexander. (See Grant, H. L., and Djidics.)
 Donada, Benito J., Refugio, Tex. Motor attachment. 1,515,938; Nov. 18.
 Donaldson, Robert R., Jr., Wilkinsburg, assignor to J. M. Hopwood, Pittsburgh, Pa. Regulating combustion in furnaces. 1,516,424; Nov. 18.
 Dorr Company, The. (See Reybold, Edwin C., assignor.)
 Dorris, Lewis R., Nashville, Tenn. Gasoline filling nozzle. 1,515,844; Nov. 18.
 Drake, Walter H. (See Price, J. D., and Drake.)
 Driessen, Hermanus A., The Hague, Netherlands. Back seat for motor cycles. 1,516,176; Nov. 18.

Driesser, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Combined shaving and burnishing tool. 1,516,268; Nov. 18.
 Driesser, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Shaving and burnishing tool. 1,516,269; Nov. 18.
 Droste, Casper M., et al. (See Claire, Louis V., assignor.)
 Dufek, Louis, Seattle, Wash. Headlight reflector. 1,516,379; Nov. 18.
 Dullin, John L., Noblesville, Ind. Piano bench and hardware. 1,515,845; Nov. 18.
 Dumaine, Emile A. F. (See Delevoe, R. E. C., and Dumaine.)
 Dumont, Joseph R., Kansas City, Mo. Door-knob. 1,516,152; Nov. 18.
 Duncan, Frederick A., and A. B. Wagner, Indianapolis, Ind. Game table. 1,515,594; Nov. 18.
 Duncan, William M., Alton, Ill. Furnace. 1,515,846; Nov. 18.
 Duncan, William M., Alton, Ill. Furnace and controlling the draft therein. 1,516,339; Nov. 18.
 Dunkelberger, Milton S., Dayton, Ohio. Automatic ball spray nozzle. 1,515,604; Nov. 18.
 Duraflex Metal Hose Co. (See Neuschel, John K., assignor.)
 Duston and Clark Engineering Company, The. (See Clark, Don A., assignor.)
 Dutton, John W., Jacksonville, Fla. Accelerator-pedal control. 1,515,847; Nov. 18.
 Dvinsky, Abraham, Brockton, Mass. Innersole and making same. 1,516,425; Nov. 18.
 Eastman Kodak Company. (See Webb, William R., assignor.)
 Eaton, Genevieve, New York, N. Y. Bathing cap. 1,516,380; Nov. 18.
 Eck, Thomas W., Chicago, Ill. Toe weight. 1,515,665; Nov. 18.
 Eckart, George F., assignor of seventy per cent to D. B. Strickling, Cincinnati, Ohio. Skid-preventing means for vehicle tires. 1,515,848; Nov. 18.
 Eckenrood, Harvey C., assignor to The Superior Metal Products Company, Elyria, Ohio. Locking means for automobile steering wheels. 1,515,809; Nov. 18.
 Eckhardt, Walter L., assignor to Music Master Corporation, Philadelphia, Pa. Cabinet for radio loud speaker. Des. 66,001; Nov. 18.
 Eckrode, Clement E., New Brunswick, T. L. Acken, Newark, and A. Welland, East Orange, assignors to Pneumatic Appliances Corporation, New Brunswick, N. J. Shock absorber. 1,516,004; Nov. 18.
 Edmunds, Albert E. (See Edmunds, Levi E. and A. E.)
 Edmunds, Levi E. and A. E., Philadelphia, Pa. Ship-propulsion means. 1,516,270; Nov. 18.
 Edwards, Charles R., Villaca, Iowa. Traffic safety signal. 1,515,939; Nov. 18.
 Edwards, Isaac L., Aurora, Ill. Wheel for automobiles, etc. 1,515,940; Nov. 18.
 Edwards, Louis C., Ellington, Conn. Device for removing tobacco leaves from laths. 1,515,941; Nov. 18.
 Edwards, Stanley. (See Inksp, Francis R., assignor.)
 Edwards, William, West Roxbury, Mass. Safety device for elevators. 1,516,177; Nov. 18.
 Egenweller, Charles W., assignor to General Aluminum & Brass Manufacturing Company, Detroit, Mich. Babbitting machine. 1,516,089; Nov. 18.
 Egly Register Company, The. (See Stern, M. C., and Neth, assignors.)
 Elasmann Magneto Corporation. (See Richroath, George A., assignor.)
 Elaner, Alexander, Brooklyn, N. Y. Rack. 1,516,281; Nov. 18.
 Ekstrom, Eric S., et al. (See Swenson, Carl E., assignor.)
 Elderkin, James K., assignor to Forest Electric Company, Newark, N. J. Terminal clip. 1,515,666; Nov. 18.
 Eldred, Byron E., Great Neck, and R. N. Graham, Long Island City, N. Y.; said Graham assignor to said Eldred. Process and apparatus for separating carbonaceous material. 1,515,942; Nov. 18.
 Electrical Products Corporation. (See Seaman, Claude D., assignor.)
 Electrolytic Iron, Inc. (See Bouchayer, Auguste, assignor.)
 Elliott, Lewis E. (See Lynch, H. M., and Elliott.)
 Elrod, Henry E., Dallas, Tex. Storing and transporting grease to grease guns. 1,516,426; Nov. 18.
 Elsdon-Dew, William, L. Pryce, and L. B. Woodworth, Johannesburg, Transvaal, South Africa. Heating rock-drill bits and the like. 1,515,593; Nov. 18.
 Engers, Joseph R., Akron, Ohio. Self-adjusting bow dividers. 1,515,943; Nov. 18.
 England, Carl E. (See Fritz, R. C., and England.)
 English & Mersick Co., The. (See Lickelg, Adam F., assignor.)
 Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
 Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
 Enzesfelder Metallwerke Akt. Ges. (See Humpoletz, Karl E., assignor.)
 Eppinger, Louis J., Detroit, Mich. Casting lure. 1,515,849; Nov. 18.

Equitable Asphalt Maintenance Company. (See Bledsoe, John H., assignor.)
 Erdin, May. (See De Laitte, Leopold B., assignor.)
 Erickson, Alfred C., Harbor Springs, Mich. Bird house. 1,516,381; Nov. 18.
 Esche, Herbert E., Chemnitz, Germany. Manufacture of pockets or caps in articles of hostery. 1,515,667; Nov. 18.
 Eskeles, Adrian J. (See Thum, Walter A., assignor.)
 Evans, Louis M. (See Friedman, W. F., and Evans.)
 Evans, William F., Astoria, assignor of one-third to N. Figliolo, New York, N. Y. Lock washer. 1,516,271; Nov. 18.
 Evenson, Edward C., Bottineau, N. Dak. Dumb-walter. 1,516,382; Nov. 18.
 Everett, Charles J., New York, N. Y. Detector for use in radiocircuits. 1,515,900; Nov. 18.
 Falwell, Wray, assignor to E. W. Baker, Fitchburg, Mass. Valve-operating device for internal-combustion engines. 1,516,178; Nov. 18.
 Farrell, Joseph E., Jr., Washington, D. C., assignor to Hydraulic Devices Corporation of Delaware. Fluid clutch. 1,516,005; Nov. 18.
 Faust, Levin, et al. (See Swenson, Carl E., assignor.)
 Fawick, Thomas L., Racine, Wis. Transmission. 1,515,850; Nov. 18.
 Federal Telegraph Company. (See Fuller, Leonard F., assignor.)
 Fern, John F., Pittsburgh, Pa. Continuous heating furnace. 1,515,851; Nov. 18.
 Fern, John F., Pittsburgh, Pa. Continuous heating furnace. 1,515,852; Nov. 18.
 Ferris, Henry L., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill. Fencepost. 1,516,179; Nov. 18.
 Filfield, Albert E., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tension-releasing mechanism for sewing machines. 1,516,272; Nov. 18.
 Figliolo, Nicola. (See Evans, William F., assignor.)
 First Aid Specialty Company. (See Norton, Stephen A., assignor.)
 Fischer, Max W., assignor to H. J. Nichols, Washington, D. C. Fuse for projectiles. 1,515,668; Nov. 18.
 Fischer, Mose, Plain, N. Mex. Lock and fuel saver for explosion engines. 1,516,282; Nov. 18.
 Flater, Alfred, present administrator. (See Rauchwetter, Franz.)
 Fleishour, John W., Canton, Ohio. Bar-mill guide. 1,516,283; Nov. 18.
 Fletcher Works, Incorporated. (See Laufer, Robert, assignor.)
 Flintkote Company, The. (See Avery, Henry C., assignor.)
 Flower, James T., Jr., and P. A. Smith, Akron, Ohio. Gas heater. 1,515,944; Nov. 18.
 Flower, John W., assignor, by mesne assignments, to Michigan Valve Foundry and Engineering Company, Detroit, Mich. Pipe. 1,515,853; Nov. 18.
 Fobian, George H. (See Bethke, J. P., and Fobian.)
 Follin, Werner E. (See Ueberroth, F. E. P., and Follin.)
 Ford, Clyde M. (See Briglin, Dennis R., assignor.)
 Forest Electric Company. (See Elderkin, James K., assignor.)
 Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,515,669; Nov. 18.
 Foster, Walter H. (See Markland, Wyllis H., assignor.)
 Foth, William C., assignor of one-half to E. C. Price, Chicago, Ill. Compound for retaining hair in its dressed condition. 1,515,854; Nov. 18.
 Foulke, William D. (See Olsson, Nils G., assignor.)
 Fountain, Helen. (See Sarlabous, M., and Fountain.)
 Fountain Sand and Gravel Company. (See Olsen, Carl N., assignor.)
 Fox, Charles H., Bakersfield, Calif. Pump. 1,516,006; Nov. 18.
 Fox, Morris. (See Schneider, S. H., and Fox.)
 Frahm, Herman A. (See Hubeny, M. J., and Frahm.)
 Frauchheim, Joseph A., Zellenopole, assignor to American Flexible Bolt Company, Pittsburgh, Pa. Making stay bolts. 1,516,007; Nov. 18.
 Fredrickson, Anton C., Cushing, Nebr. Foot-lever attachment. 1,516,008; Nov. 18.
 Freeland, Claude L., Bristol, Okla. Process of and apparatus for refining crude oils. 1,516,285; Nov. 18.
 French, Harry F., and R. C. Benner, Fremont, Ohio, assignors to National Carbon Company, Inc. Electric battery. 1,515,652; Nov. 18.
 French, Harry F., Fremont, Ohio, assignor to National Carbon Company, Inc. Coated dry cell and making the same. 1,515,945; Nov. 18.
 Fried, Krupp Aktiengesellschaft. (See Ostmeyer, Eduard, assignor.)
 Friedman, William F., Washington, D. C., and L. M. Evans, Alexandria, Va. Secret signaling system employing apparatus for automatically enciphering and deciphering messages. 1,516,180; Nov. 18.
 Friend, John, Coogee, near Sydney, New South Wales, Australia. Machine for weaving slat blinds. 1,515,595; Nov. 18.
 Fritz, Reno C., and C. E. England, Red Wing, Minn. Fastener. 1,516,286; Nov. 18.
 Fuller, Leonard F., Barberton, Ohio, assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Radiotelegraphy. 1,515,670; Nov. 18.

Fulton Company, The. (See Giesler, Jean V., assignor.)
 Furbush, Frank L., Westford, Mass., assignor to C. G. Sargent's Sons Corporation. Drying machine. 1,515,671; Nov. 18.
 Furbush, Frank L., Westford, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Feeding mechanism for pickers or openers. 1,515,672; Nov. 18.
 Gage, Ervin, Taft, Calif. Imitating leather by paint process. 1,516,466; Nov. 18.
 Gallagher, Lester A. (See Leow, Peter, assignor.)
 Ganall, Gust, Detroit, Mich. Barber's stand. Des. 66,002; Nov. 18.
 Gantert, Leo, assignor of one-third to D. J. Shall, Yoakum, Tex. Automatic nonset stop for phonographs. 1,515,769; Nov. 18.
 Gardner, Gus P., Ludlow, Ky. Making neckties. 1,516,181; Nov. 18.
 Garlick, William A., San Francisco, Calif. Gasoline control for automobiles. 1,516,040; Nov. 18.
 Garnsey, John M., Spokane, Wash. Badge. Des. 66,003; Nov. 18.
 Garriott, William W., Seattle, Wash. Vehicle wheel. 1,516,230; Nov. 18.
 Gary, Benjamin L., Newark, N. J., and J. F. Meehan, New York, N. Y. Carton. 1,516,090; Nov. 18.
 Gasoline Recovery Corporation. (See Wallerstein, Leo, assignor.)
 Gates, Louis W., assignor to C. Cowles & Company, New Haven, Conn. Locking handle with adjustable safety collar. 1,516,287; Nov. 18.
 Geakum, Gust, Chicago, Ill. Bumper. 1,516,273; Nov. 18.
 Geissinger, Harry G., Detroit, Mich. Electromagnetic control of multiple valves. 1,515,673; Nov. 18.
 General Aluminum & Brass Manufacturing Company. (See Eggenweiler, Charles W., assignor.)
 General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
 General Fireproofing Company. (See Schmitz, Fred A., assignor.)
 General Motors Corporation. (See Lemmer, Benjamin L., assignor.)
 General Motors Corporation. (See Zimmerschied, Karl W., assignor.)
 General Norit Co., Ltd. (See Beyer, Bertrand E., assignor.)
 General Pressed Metal Company. (See Banes, Walter D., assignor.)
 Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Temperature-responsive device. 1,515,810; Nov. 18.
 Giles, Jesse H., assignor to Giles Motor Company, Ogden, Utah. Gas engine. 1,515,946; Nov. 18.
 Giles Motor Company. (See Giles, Jesse H., assignor.)
 Goben, Edward Guy, assignor to The E. V. Benjamin Company, Inc., New Orleans, La. Adjustable feeding apparatus. 1,515,770; Nov. 18.
 Goddard, Stewart, Toronto, Ontario, Canada. Tire chain for vehicles. 1,515,811; Nov. 18.
 Godfrey, Frank E., assignor of one-half to American Iron & Machine Works, Inc., Tonkawa, Okla. Bevel protractor. 1,516,288; Nov. 18.
 Goetz, Oscar H., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile fender guard. 1,515,734; Nov. 18.
 Golding, Edwin L., New York, N. Y. Ornamenting fabrics. 1,516,274; Nov. 18.
 Goodrich, B. F., Company, The. (See Shook, Florain J., assignor.)
 Goodrich, B. F., Company, The. (See Winkelmann, H. A., and Gray, assignors.)
 Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,515,674; Nov. 18.
 Goodrum, Charles L., New York, N. Y., and J. N. Reynolds, Greenwich, Conn., assignors to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. 1,515,735; Nov. 18.
 Gordon, William E., Gerrardstown, W. Va. Clothes drier. 1,516,091; Nov. 18.
 Gorman, James P., Watervliet, and H. F. Weglarz, Cohoes, N. Y. Process and apparatus for producing hollow steel bars. 1,516,153; Nov. 18.
 Gough, Charles M., East St. Louis, Ill., assignor to C. E. Hamilton, New York, N. Y. Pressing pad. 1,516,182; Nov. 18.
 Government of the United States. (See Uberroth, F. E. P., and Follin, assignors.)
 Government of the United States, The. (See Whittemore, Herbert L., assignor.)
 Govin, Edward E., Menomonie, Wis. Automobile chain. 1,515,675; Nov. 18.
 Grady, Stephen S., Newtonville, Mass., assignor to J. K. Cohen and S. K. Cohen, New York, N. Y. Push-button switch. 1,516,231; Nov. 18.
 Graham, Eugene, assignor of one-half to E. R. Cobb, West Bend, Iowa. Automobile repair stand. 1,516,041; Nov. 18.
 Graham, Joseph Z., Alicia, Ark. Plow. 1,516,289; Nov. 18.
 Graham, Robert N. (See Eldred, B. E., and Graham.)
 Grant, Harry L., and A. Djidics, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Electric detonator. 1,516,069; Nov. 18.

Gray, Granville H., Santa Ana, Calif. Automobile operating lever lock. 1,516,482; Nov. 18.
 Gray, Harold. (See Winkelmann, H. A., and Gray.)
 Green, James A., assignor to Torrington Specialty Company, Torrington, Conn. Ash receptacle. 1,516,183; Nov. 18.
 Greenwald, Oscar, Brooklyn, N. Y. Auriscope. 1,515,771; Nov. 18.
 Griscom Russell Company, The. (See Sebald, Leslie E., assignor.)
 Grohena, Albert P., Marshall, Mich. Cooling apparatus. 1,516,184; Nov. 18.
 Gross, Edward J., South Orange, N. J., assignor to Meyer & Gross. Finger ring. Des. 66,004; Nov. 18.
 Grove, Frank H., Columbiana, Ohio. Cord-band-building machine. 1,516,290; Nov. 18.
 Growall, William H., Garrett, Pa. Temperature and water indicator. 1,516,427; Nov. 18.
 Grupe, William F., Lyndhurst, N. J., assignor to Peerless Roll Leaf Co., Inc., New York, N. Y. Metallized product. 1,515,676; Nov. 18.
 Gruss, Lucien R., assignor to Pneumatic Cushion Co., San Francisco, Calif. Frame suspension. 1,516,092; Nov. 18.
 Gubbins, William F., Chicago, Ill. Seat. 1,516,093; Nov. 18.
 Guest, Ward E., assignor, by mesne assignments, to William E. Dee Company, Chicago, Ill. Recoil absorber. 1,516,185; Nov. 18.
 Gullbaud, Henri. (See Berthelot, D., and Gullbaud.)
 Hackman Manufacturing Company. (See Hackman, William C., assignor.)
 Hackman, William C., assignor to Hackman Manufacturing Company, Milwaukee, Wis. Water-level-recording device. 1,516,094; Nov. 18.
 Haden, H. H., et al. (See Crowder, Frank D., assignor.)
 Haeblerlein, Max, Maplewood, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Hydraulic turbine plant. 1,516,095; Nov. 18.
 Hagen, William L., assignor to The American Hardware Corporation, New Britain, Conn. Trunk lock. Des. 66,005; Nov. 18.
 Hagman, William J., and E. H. Wray, Philadelphia, Pa., assignors to Niles-Bement-Pond Company, New York, N. Y. Slotting machine. 1,516,186; Nov. 18.
 Hahn, Frank R., Decatur, Ill., assignor of fifteen per cent to A. G. Clark, St. Paul, Minn., and fifty-one and two-thirds per cent to W. P. Landon, Rochelle, Ill. Building construction. 1,516,096; Nov. 18.
 Hall, John A., Victoria, British Columbia, Canada. Treating cocoa beans. 1,515,947; Nov. 18.
 Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Standard for a light source. Des. 66,006; Nov. 18.
 Hamilton, Albert L., Newark, N. J. Apparatus for educational purposes. 1,516,097; Nov. 18.
 Hamilton, Charles E. (See Gough, Charles M., assignor.)
 Hammond, John H., Jr., Gloucester, Mass. Toy locomotive. 1,515,948; Nov. 18.
 Hampden Glazed Paper & Card Company. (See Marwede, Richard L., assignor.)
 Hampden Glazed Paper & Card Company. (See Stone, Thomas L., assignor.)
 Hancock Manufacturing Company. (See Yates, Joseph M., assignor.)
 Handley, George, Palmers Green, England. Elevator, dredger, excavator, and the like. 1,516,428; Nov. 18.
 Hansen, Henry R., Jersey City, N. J. Container. 1,516,275; Nov. 18.
 Hanson, Viggo E., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Gas-absorbing apparatus. 1,516,187; Nov. 18.
 Hardie, Frank, Hammond, Ind. Automatic water heater. 1,515,772; Nov. 18.
 Harland and Wolff, Limited. (See Wyld, James, assignor.)
 Harris, Gordon D., Islip, N. Y., assignor to Industrial Dryer Corporation, Newark, N. J. Drying machine. 1,515,596; Nov. 18.
 Harter, Augustus F. (See Wilkinson, G. D., and Harter.)
 Hartley, Cyril J., and J. W. Stoke-on-Trent, England. Sewage distributor. 1,516,429; Nov. 18.
 Hartley, John W. (See Hartley, Cyril J., and J. W.)
 Hartmann, Otto, Essen, Germany. Ceiling. 1,515,677; Nov. 18.
 Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,515,855; Nov. 18.
 Hauskins, Alvis J., Chicago, Ill. Carburetor. 1,516,276; Nov. 18.
 Hawthorne, Charles W., Shrewsbury, Mass., assignor to Wickwire Spencer Steel Corporation, New York, N. Y. Machine for uniting the ends of wires. 1,516,189; Nov. 18.
 Hawhurst, Charles E., assignor to National Folding Box Company, New Haven, Conn. Folding paper device, including its constituent blank. 1,516,010; Nov. 18.
 Healey, Edward P., New York, N. Y. Grab bucket. 1,515,856; Nov. 18.
 Healey, Joseph H., Vancouver, British Columbia, Canada, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,515,678; Nov. 18.
 Heath, Delos P., Detroit, assignor, by mesne assignments, to Copeland Products, Inc., Flint, Mich. Brine tank. 1,515,736; Nov. 18.

Heath, Frederick, Bellingham, Wash. Pressure-controlled valve. 1,516,011; Nov. 18.
 Hebert, Albert J., Franklin, N. H. Bearing-sleeve remover. 1,516,189; Nov. 18.
 Hedstrom, Carl O., Portland, Conn. Antiskid chain for automobiles. 1,515,679; Nov. 18.
 Hegan, Chester P., assignor to Reed Air Filter Company, Louisville, Ky. Air-cleaning material and making the same. 1,515,949; Nov. 18.
 Hegerman, Gustave G., Chicago, Ill. Cinematograph process and film. 1,516,277; Nov. 18.
 Hegerman, Gustave G., Chicago, Ill. Cinematograph film. 1,516,278; Nov. 18.
 Helsey, A. H., & Co. (See Sanford, A. J., and Townsend, assignors.)
 Hellman, Richard, Long Island City, N. Y. Feed conduit. 1,516,279; Nov. 18.
 Helmquest, William J., assignor to California Card Manufacturing Company, San Francisco, Calif. Mounting for photographs, etc. 1,515,901; Nov. 18.
 Hemphill Company. (See Jones, Frank E., assignor.)
 Henkels, Albert, Langerfeld, near Barmen, Germany. Coding and decoding machine. 1,515,680; Nov. 18.
 Henry, Ferdinand G., New York, N. Y., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y. Stropping machine. 1,515,737; Nov. 18.
 Herbert, Sigmund, New York, N. Y. Holder for vases or similar articles. Des. 66,007; Nov. 18.
 Herman, John, Los Angeles, Calif. Screening ball mill. 1,516,467; Nov. 18.
 Herndon, O. K. (See West, Jack H., assignor.)
 Heslin, John J. (See Bell, T. H., Heslin, and Delaney.)
 Hess, Christopher A., Erie, Pa. Water heater. 1,516,430; Nov. 18.
 Hoyer, John C., Granite City, Ill., assignor to Hoyt Metal Company, St. Louis, Mo. Making rolled metal sheets. 1,516,098; Nov. 18.
 Hiatt, Lawrence C., and D. L. Porter, Atlantic, Iowa. Storage-battery separator. 1,515,738; Nov. 18.
 Higginson, Joseph, Stockport, England. Interrupter for use in electric ignition systems of internal-combustion engines. 1,516,431; Nov. 18.
 Hildenbrand, Harry, New York, N. Y. Metal polish. 1,515,950; Nov. 18.
 Hill, Earl M., Dayton, Ohio. Combination screw driver. 1,516,099; Nov. 18.
 Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens grinder. 1,515,681; Nov. 18.
 Hilliard, Peter J., Canandaigua, N. Y. Dip-pipe construction for the hydraulic main of a gas plant. 1,516,432; Nov. 18.
 Hindelang, Peter P., assignor, by mesne assignments, to Standard Fullers Earth Co., Inc., San Antonio, Tex. Clarifying oil. 1,515,597; Nov. 18.
 Hines, Howard R., Warsaw, Ind. Magnetic screw driver. 1,516,042; Nov. 18.
 Hinrichs, George F., New York, N. Y. Poultry packing. 1,516,012; Nov. 18.
 Hoddersen-Balling, Frederick E., Brooklyn, N. Y. Ham cooker. 1,516,280; Nov. 18.
 Hoddersen-Balling, Frederick E., Brooklyn, N. Y. Ham boiler. 1,516,383; Nov. 18.
 Hoe Corporation. (See Ruesch, Frederick, assignor.)
 Hoffman, Carl, Allentown, Pa. Automobile signal. 1,516,433; Nov. 18.
 Hoffman, Morris J., Chicago, Ill. Production recorder. 1,515,857; Nov. 18.
 Hogden, Oscar, Eltrick, Wis. Wheel-rim lock. 1,516,291; Nov. 18.
 Holdaway, Hall H., and R. H. Challacombe, Los Angeles, Calif., assignors to Petroleum Engineering Corporation. Rotary drilling bit. 1,516,340; Nov. 18.
 Holderle, Carl L. (See Holderle, Frederick W., and C. L.)
 Holderle, Frederick W., and C. L., Rochester, N. Y. Beverage-dispensing device. 1,516,190; Nov. 18.
 Holland, Norman. (See Ward, Frederick W., assignor.)
 Hollis, Frank J., and R. Boyd, Cleveland, Ohio. Smoker's cabinet. 1,515,858; Nov. 18.
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle block for narrow-ware looms. 1,515,859; Nov. 18.
 Holstein, Frederick C., Herman, Nebr. Pole strap. 1,516,292; Nov. 18.
 Holtfoth, Joachim T., Highland Park, assignor to L. A. Young Industries, Inc., Detroit, Mich. Metal-working machine. 1,515,739; Nov. 18.
 Holzverkehungs-Industrie Aktien-Gesellschaft. (See Roka, Koloman, assignor.)
 Homrighous, John H., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,515,951; Nov. 18.
 Hoogner, Irving E., Moline, Ill. Convertible bed, table, and luggage carrier for automobiles. 1,516,434; Nov. 18.
 Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
 Hopkins, Frank H., Montreal, Quebec, Canada. Railway car. 1,515,598; Nov. 18.
 Hopkinson, Joseph, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Counting scale. 1,516,013; Nov. 18.
 Hopwood, John M. (See Donaldson, Robert R., Jr., assignor.)

Hopwood, John M. (See Peebles, Thomas A., assignor.)
 Hornecker, George. (See Southworth, P. M., and Hornecker.)
 Horst, Christian H. (See Horst, Milton F., assignor.)
 Horst, Milton F., assignor of one-third to C. H. Horst, Los Angeles, Calif. Continuous automatic concrete mixer. 1,516,293; Nov. 18.
 Hotchkiss, E. H., Company, The. (See Hotchkiss, Julia S., assignor.)
 Hotchkiss, Julia S., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple-driving machine. 1,516,191; Nov. 18.
 Hotchkiss, Julia S., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple-driving machine. 1,516,192; Nov. 18.
 Houghton, John W., and T. W. Mitchell, assignors to Steel Products Company, Huntington, W. Va. Coal-loading machine. 1,516,435; Nov. 18.
 Howard, Alonzo, Chicago, assignor of one-half to C. J. Schmidt, Evanston, Ill. Electrical connector. 1,515,860; Nov. 18.
 Hoyt Metal Company. (See Hoyer, John C., assignor.)
 Hubbard, William H., Oshkosh, Wis. Installing bar. 1,516,100; Nov. 18.
 Hubeny, Maximilian J., and H. A. Frahm, Chicago, Ill. Paper clip. 1,516,294; Nov. 18.
 Huber, Hans, Zurich, Switzerland. Calculating machine. 1,516,436; Nov. 18.
 Hudson, David W., Green Bay, Wis. Interfolding machine. 1,515,861; Nov. 18.
 Hudson Jewelry Mfg. Co. (See Schwarcz, Andrew, assignor.)
 Hughes, Charles R., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Spool holder. 1,515,682; Nov. 18.
 Hughes, Thomas, Aurora, Ill. Flushing mechanism. 1,516,043; Nov. 18.
 Hughes, Wilfrid K. (See Thurlow, Edward W., assignor.)
 Hummoleit, Karl E., assignor to the Firm of Enzesfelder Metallwerke Akt. Ges., Vienna, Austria. Small refrigerating machine. 1,516,437; Nov. 18.
 Hunt, Frederick C., London, Ontario, Canada. Heating radiator. 1,515,773; Nov. 18.
 Hunt-Helm-Ferris & Company. (See Ferris, Henry L., assignor.)
 Hunter, Alva. (See Robb, W. B., and Hunter.)
 Hunter, Percy E., Pittsburgh, Pa. Annealing box. 1,516,014; Nov. 18.
 Huntington, Cory O., Galvin, Wash., assignor of one-half to W. D. Huntington, Portland, Ore. Midget automatic record brush. 1,516,193; Nov. 18.
 Huntington, Dwight W., Jr., Hempstead, N. Y. Aircraft. 1,516,295; Nov. 18.
 Huntington, Walter D. (See Huntington, Cory O., assignor.)
 Hydraulic Devices Corporation of Delaware. (See Farrell, Joseph E., Jr., assignor.)
 Ideal Electric & Manufacturing Co., The. (See Schou, T., and Vinson, assignors.)
 Industrial Dryer Corporation. (See Harris, Gordon D., assignor.)
 Ingoldby, Maurice K. (See Vickers, O. H. D., and Ingoldby.)
 Inskip, Francis R., assignor of one-half to S. Edwards, Melbourne, Victoria, Australia. Implement for scouring rifed firearms. 1,516,438; Nov. 18.
 International Motor Company. (See Manville, Keith R., assignor.)
 International Time Recording Company of New York, The. (See Bryce, James W., assignor.)
 Irwin, Harry W., Canton, Ohio. Rotary pair furnace for sheet mills. 1,516,296; Nov. 18.
 Isom, Alphonso, and W. A. Bridwell, Dumas, Ark. Surgical instrument. 1,516,297; Nov. 18.
 Iverson, Christian, Weston, Iowa. Puller device for bearings. 1,516,298; Nov. 18.
 Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method of an apparatus for protecting boiler economizers from exterior corrosion. 1,516,341; Nov. 18.
 Jaden, Fred L., Hastings, Nebr. Combined cleaning and painting device. 1,516,439; Nov. 18.
 Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Take-off mechanism for full-fashioned-knitting machines. 1,515,599; Nov. 18.
 Joell, Frederick W., Hamilton, Bermuda. Envelope opener and finger-nail cleaner. 1,515,952; Nov. 18.
 Johansen, Ove S. (See Ljostad, K., and Johansen.)
 Johnson, Clarence, Ruthven, Iowa. Trip-rope-releasing device. 1,516,015; Nov. 18.
 Johnson, George A., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,516,440; Nov. 18.
 Jolly, James, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass. Combing machine. 1,516,101; Nov. 18.
 Jones, Edward. (See Watson, James, assignor.)
 Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Feeding means for knitting machines. 1,516,342; Nov. 18.
 Jones, Frank S., Philadelphia, Pa. Spindle bearing for metal-working machines. 1,515,683; Nov. 18.
 Jones, John C. (See Brownfield, John E., assignor.)

Jones, Lyman L., Seattle, Wash. Method of and apparatus for automatically stopping automatic presses. 1,515,774; Nov. 18.
 Jonkhoff, Henri W., Semarang, Java, Dutch East Indies. Automatic steering device for tractor trains. 1,515,775; Nov. 18.
 Jungbans, Siegfried, Villingen, Germany. Centrifugal casting apparatus. 1,515,953; Nov. 18.
 Kallenbach, Edward, New York, N. Y. Settling table. 1,516,016; Nov. 18.
 Kamada, Richard R., New York, N. Y. Heel for shoe. 1,516,384; Nov. 18.
 Kanner, Samuel. (See Pollak, Abraham, assignor.)
 Kassander, Leopold, assignor to Nathan Manufacturing Company, New York, N. Y. Balanced valve. 1,516,102; Nov. 18.
 Keck, Sarah M., Fairview, W. Va. Thumb shields. 1,516,385; Nov. 18.
 Keenan, Walter F., Jr., assignor to Power Specialty Company, New York, N. Y. Soot blower for boilers. 1,516,017; Nov. 18.
 Kégresse, Adolphe, Paris, France. Driving pulley for endless flexible track belts. 1,516,386; Nov. 18.
 Keller, Jeremiah, assignor to The Timken Roller Bearing Company, Canton, Ohio. Grinding machine. 1,516,103; Nov. 18.
 Kelerstedt, Gustaf A., New Britain, Conn. Micrometer. 1,516,387; Nov. 18.
 Kemp, William E., New York, N. Y. Charge-forming device. 1,516,104; Nov. 18.
 Kennedy, Walter, Clifside, N. J. Heater. Des. 66,008; Nov. 18.
 Kercher, Arthur J., Berkeley, Calif. Thermostatic controller. 1,515,684; Nov. 18.
 Kernohan, David. (See Dennison, T., and Kernohan.)
 Kershaw, Edwin T., Denver, Colo. Internal-combustion engine. 1,515,685; Nov. 18.
 Keystone Reamer & Tool Co. (See Seller, Michael I., assignor.)
 Kibler, Edward, Marietta, Ill., assignor of one-half to J. M. Ball, Washington, D. C. Bag holder. 1,516,299; Nov. 18.
 King, Frank M., Bluefield, Va. Lubricating system for internal-combustion engines. 1,516,044; Nov. 18.
 Kinnear Manufacturing Company, The. (See Rush, Albert, assignor.)
 Kinoshita, Yokichi, Boston, Mass. Scooter cart or joy runner. 1,516,105; Nov. 18.
 Kirby, James B., Cleveland, Ohio. Shock absorber. 1,515,862; Nov. 18.
 Kirby, James B., Cleveland, Ohio. Shock absorber. 1,515,863; Nov. 18.
 Kittell, Bruce P., Red Bank, N. J. Wheel for motor vehicles. 1,516,018; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,009; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,010; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,011; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,012; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,013; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,014; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,015; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,016; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,017; Nov. 18.
 Klein, Martin A., New York, N. Y. Necklace. Des. 66,018; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,019; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,020; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,021; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,022; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,023; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,024; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,025; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 66,026; Nov. 18.
 Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture bracket. Des. 66,027; Nov. 18.
 Klein, William F., and W. A. Thum, St. Louis, Mo. Gas-mixing device for combustion engines. 1,515,902; Nov. 18.
 Kline, Charles R., Reading, Pa. Combination electric and coal boiler. 1,515,954; Nov. 18.
 Knapp, John E., Clarion, Pa. Fuel-regulating device for internal-combustion engines. 1,516,019; Nov. 18.
 Knight, Thomas F., Lyndhurst, N. J., assignor to Columbia Salvage Corporation, New York, N. Y. Method and apparatus for unloading high-explosive shells. 1,516,343; Nov. 18.

Knill, Austin P., Woodbine, Md. Transmission. 1,515,955; Nov. 18.
 Knowles, Etta W., New York, N. Y. Exerciser and reducer. 1,516,344; Nov. 18.
 Koehring Company. (See Meuningen, Adolph C., assignor.)
 Kokomo Automotive Mfg. Co. (See Albright, Nell T., assignor.)
 Kollbrunner, Heinrich, Rapperswil, Switzerland. Building element. 1,516,045; Nov. 18.
 Koper, Adam, Wyoming, Pa. Mechanical toy. 1,516,300; Nov. 18.
 Kops Brothers. (See Kops, Waldemar, assignor.)
 Kops, Waldemar, assignor, by means assignments, to Kops Brothers, New York, N. Y. Apparel garment. 1,516,345; Nov. 18.
 Kornas, Joseph, Linden, N. J. Garment support. 1,515,600; Nov. 18.
 Kraft, Bruno A., San Francisco, Calif. Pneumatic gun. 1,516,483; Nov. 18.
 Kramer, Andrew A. (See Buchanan, Ferdinand C., assignor.)
 Kratzer, Herman E., Salt Lake City, Utah. Bread-baking pan and connecting and handling means for a plural assembly thereof. 1,516,232; Nov. 18.
 Kross, Samuel, Chicago, Ill. Woven pile fabric. 1,516,441; Nov. 18.
 Krasow, Henry, Ellsworth, Minn. Grain separator and cleaner. 1,515,776; Nov. 18.
 Kruszynski, Stenly, Philadelphia, Pa. Animal trap. 1,516,388; Nov. 18.
 Kuhn, Francis H., U. S. Army. Garbage receptacle. 1,515,601; Nov. 18.
 Kuno, Shichigoro, Ogden, Utah. Brake for automobiles. 1,516,301; Nov. 18.
 Kuntz, Frank A., Woodhaven, assignor to Western Electric Company, Incorporated, New York, N. Y. Mounting for calling dials. 1,515,686; Nov. 18.
 Laidley, William W., Piedmont, Calif. Rake. 1,515,740; Nov. 18.
 Lancaster, George H., assignor to The Lancaster Motor Company, Limited, Birmingham, England. Motor-vehicle brake. 1,516,442; Nov. 18.
 Lancaster Motor Company. (See Lancaster, George H., assignor.)
 Landers, Frary & Clark. (See Curtiss, George E., assignor.)
 Landon, W. P., et al. (See Hahn, Frank R., assignor.)
 Landreth, Clarence P. (See Moerk, Frank N., assignor.)
 Lannoy, Perry E. (See Sellers, Printiss M., assignor.)
 Lapp, Grover W., Le Roy, N. Y. Testing insulators. 1,515,864; Nov. 18.
 Laufer, Robert, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Geared head motion for looms. 1,515,777; Nov. 18.
 Layton, Clyde I. See Schroeder, W. G., and Layton.)
 Leach, Ralph W. E., Boston, Mass. Method and apparatus for heat generation and control. 1,515,778; Nov. 18.
 Le Bus, George F., Electra, Tex. Clutch winch head. 1,515,779; Nov. 18.
 Lee, Nixon, assignor to National Seal Company, Inc., Brooklyn, N. Y. Closure. 1,516,046; Nov. 18.
 Leibowitz, Isaac, West Hoboken, N. J. Combined calendar and bulletin. 1,515,602; Nov. 18.
 Leiman Bros. (See Leiman, George W., assignor.)
 Leiman, George W., Newark, N. J., assignor to Leiman Bros., New York, N. Y. Pump. 1,516,106; Nov. 18.
 Leiman, George W., Newark, N. J., assignor to Leiman Bros., New York, N. Y. Pump. 1,516,107; Nov. 18.
 Leland-Gifford Company. (See Berg, John G., assignor.)
 Le Maire, George R., Central City, Ky. Brake-band construction. 1,515,956; Nov. 18.
 Lemieux, Arthur J., and D. M. Welsh, Quincy, Mass. Bowling pin. 1,516,154; Nov. 18.
 Lemmer, Benjamin L., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Controlling mechanism. 1,516,346; Nov. 18.
 Lennor, William H., et al. (See Claire, Louis V., assignor.)
 Leopold, George O., assignor to North Bro's Mfg Co., Philadelphia, Pa. Push screw driver. 1,516,443; Nov. 18.
 Leow, Peter, Boyne City, Mich., assignor of one-half to L. A. Gallagher, Milwaukee, Wis. Internal-combustion engine. 1,516,389; Nov. 18.
 Levy, Leonard A., Cricklewood, England. Production of artificial filaments. 1,516,194; Nov. 18.
 Lewerenz, Arthur, Berlin, Germany. Instantaneous switch. 1,516,195; Nov. 18.
 Lewis, David M., Milwaukee, Wis., assignor to Lewis Draft Appliance Company. Draft appliance for locomotives. 1,516,047; Nov. 18.
 Lewis Draft Appliance Company. (See Lewis, David M., assignor.)
 Lewis, Jesse L., Allentown, Pa. Price tag. 1,515,687; Nov. 18.
 Lewis, Joseph S., Anthon, Iowa. Haystacker. 1,516,302; Nov. 18.
 Lewis, Rush C., Abilene, Tex. Undercutting reamer for oil wells. 1,515,780; Nov. 18.
 Liberty Products Manufacturing Company. (See Ayotte, Joseph R., assignor.)

Lichtelg, Adam F., assignor to The English & Mersick Co., New Haven, Conn. Regulator handle. 1,516,803; Nov. 18.
 Lillie, Arthur C., Los Angeles, Calif. Automobile windshield. 1,516,957; Nov. 18.
 Lillie, Arthur C. (See Auch, Joseph, assignor.)
 Lindberg, Joseph, Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,516,283; Nov. 18.
 Lindstrom, August B., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Plain relieving attachment for lathes. 1,516,196; Nov. 18.
 Lindon, Marjorie D., New York, N. Y. Powder puff. 1,515,812; Nov. 18.
 Little, Arthur D., Inc. (See Stevenson, Earl P., assignor.)
 Little, Frederick B., Chicago, Ill. Housing for electric lamps. 1,516,234; Nov. 18.
 Livingston, Levi D., Joplin, Mo. Radius-rod nut clamp. 1,515,781; Nov. 18.
 Ljostad, Kittel, and O. S. Johansen, Brooklyn, N. Y. Clothesline support. 1,516,390; Nov. 18.
 Ljungström, Fredrik, Lidings-Brevik, and N. F. F. Andersson, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Regenerative air preheater. 1,516,108; Nov. 18.
 Lofland, Alfred M., Lebanon, assignor of one-half to L. C. Willis, Indianapolis, Ind. Double-disk wheel. 1,516,048; Nov. 18.
 Long, Herman W., Edna, Kans. Separator. 1,515,865; Nov. 18.
 Longdin-Brugger Company. (See Smith, John E., assignor.)
 Loosen, Jacob, Long Beach, Calif. Boat propeller. 1,516,468; Nov. 18.
 Lough, Gerald A., Plainfield, N. J. Drying apparatus and process. 1,516,444; Nov. 18.
 Love, Ira C., Reece, Kans. Folding ax. 1,515,688; Nov. 18.
 Loveys, Aaron W., Sault Ste. Marie, Ontario, Canada. Sectional barrel. 1,515,782; Nov. 18.
 Lowery, William A. (See Woodward, H. P., and Lowery.)
 Luce, Grafton E., Chicago, Ill. Automatic leveler for brick-setting cranes and the like. 1,515,783; Nov. 18.
 Ludwig, Alfred P., Cristobal, Canal Zone, Panama. Flushing device. 1,516,391; Nov. 18.
 Luetscher, Oliver P., Pittsburgh, Pa. Apparatus for casting. 1,516,049; Nov. 18.
 Lund, Gustaf A., Peshtigo, Wis. Propeller drive. 1,515,784; Nov. 18.
 Lunday, Russell E., Butte, Mont. Direction indicator for motor vehicles. 1,515,598; Nov. 18.
 Lundie, John, New York, N. Y. Tie plate. 1,516,050; Nov. 18.
 Lundie, John, New York, N. Y. Tie plate. 1,516,051; Nov. 18.
 Luttmann, Joseph, assignor to The Mendel-Drucker Company, Cincinnati, Ohio. Ironing-board attachment for trunks. 1,515,689; Nov. 18.
 Lyon Metallic Manufacturing Company. (See O'Connor, John E., assignor.)
 Lyons, Emanuel, Jersey City, N. J. Display box. 1,515,741; Nov. 18.
 Lyons, James W., Chicago, and J. B. Stewers, Oak Park, Ill. Radioconsole. Des. 66,028; Nov. 18.
 Lynch, Henry M., and L. E. Elliott, Woonsocket, R. I., assignors, by means assignments, to the said L. E. Elliott, Washer. 1,516,197; Nov. 18.
 Mabce, Harrison E., Minneapolis, Minn. Magazine pencil. 1,516,392; Nov. 18.
 Macdonald, Angus S. (See Macdonald, Harry P. and A. S.)
 Macdonald, Harry P., Montclair, N. J., and A. S. Macdonald, Great Neck Station, N. Y., assignors to The Bread & Co. Iron Works, Jersey City, N. J. Book-stack. 1,516,022; Nov. 18.
 Mackay, Alexander L., assignor to The American Hardware Corporation, New Britain, Conn. Trunk lock. Des. 66,029; Nov. 18.
 Mackley, Edward N., Newcastle-upon-Tyne, England. Multistage centrifugal pump. 1,516,110; Nov. 18.
 MacLagan, John C. M., Drumchapel, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Two-stroke cycle internal-combustion engine. 1,516,445; Nov. 18.
 MacLagan, John C. M., Drumchapel, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Double-acting two-stroke cycle internal-combustion engine. 1,516,446; Nov. 18.
 MacLagan, John C. M., Drumchapel, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Cylinder end or cover for internal-combustion engines. 1,516,447; Nov. 18.
 MacLagan, John C. M., Drumchapel, assignor to North British Diesel Engine Works, (1922) Limited, Glasgow, Scotland. Internal-combustion engine. 1,516,448; Nov. 18.
 Macomber, Dorthes, New York, N. Y. Lamp shade. 1,516,393; Nov. 18.
 Madden, Jesse F., Brooklyn, N. Y. Nonfriction braider button. 1,516,198; Nov. 18.
 Magnetic Manufacturing Co. (See Bethke, J. P., and Fobian, assignors.)

Malchle, William H., East Orange, N. J., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand for confections. Des. 66,030; Nov. 18.
 Maler, Wilhelm, Villingen, Germany. Clock case. Des. 66,031; Nov. 18.
 Mann, Alexander R., Montreal, Quebec, Canada. Device for opening can or box covers. 1,515,959; Nov. 18.
 Manning, Maxwell & Moore, Inc. (See Williston, Belvin T., assignor.)
 Manville, Keith R., Brooklyn, assignor to International Motor Company, New York, N. Y. Automatically-controlled cooling system for internal-combustion engines. 1,515,742; Nov. 18.
 Marion, Paul L., Sacramento, Calif. Tire hanger. 1,515,690; Nov. 18.
 Marker, William M. (See Allen, W. B., Marker, and Richmond.)
 Markecki, Rollo C. (See Sylvester, F. S., and Markecki.)
 Markland, Wyllia H., Altoona, Pa., assignor to W. H. Foster, New York, N. Y. Surfacing machine. 1,515,743; Nov. 18.
 Marsden, John, assignor to Mount Hope Finishing Company, North Dighton, Mass. Purifying textile fabrications. 1,515,691; Nov. 18.
 Marten, Lena J., executrix. (See Marten, Louis F.)
 Marten, Louis F., deceased, St. Charles, Mo.; L. J. Marten, executrix. Spark plug. 1,515,866; Nov. 18.
 Martin, Harold, Southsea, England. Manometer. 1,516,394; Nov. 18.
 Martin-Parry Corporation. (See McGlashan, J., and Mayes, assignors.)
 Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company. Paper. Des. 66,032; Nov. 18.
 Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company. Paper. Des. 66,033; Nov. 18.
 Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company. Paper. Des. 66,034; Nov. 18.
 Marx, Louis, Brooklyn, N. Y. Mechanical toy. 1,516,023; Nov. 18.
 Mason, John, New York, N. Y. Surface gauge. 1,515,867; Nov. 18.
 Mathews Gravity Carrier Company. (See Sekulski, Lee E., assignor.)
 Mathieu, Frederick W., New York, N. Y. Lighting fixture. 1,516,111; Nov. 18.
 Mattice, Royal, Philadelphia, Pa. Welding metallic structures. 1,515,692; Nov. 18.
 Mayes, Walter A. (See McGlashan, J., and Mayes.)
 McAllister, George R., Shortsville, N. Y. Ornamented surface and forming same. 1,515,693; Nov. 18.
 McBee Binder Company, The. (See McBee, Charles F., assignor.)
 McBee, Charles F., assignor to The McBee Binder Company, Athens, Ohio. Binding means for books and the like. 1,516,109; Nov. 18.
 McCarthy, James P. (See Benjamin, D. H., and McCarthy.)
 McCready, Charles T., Onley, Va. Vine turner. 1,516,021; Nov. 18.
 McDonald, John, Vancouver, British Columbia, Canada. Stovepipe guide. 1,515,785; Nov. 18.
 McDowell, Charles, Rapid City, S. Dak. Gum dentifrice. 1,516,398; Nov. 18.
 McGlashan, James, and W. A. Mayes, assignors to Martin-Perry Corporation, York, Pa. Body construction and toe-board bracket. 1,516,020; Nov. 18.
 McIntosh, Bayard L., Marietta, Ga. Rug. Des. 66,035; Nov. 18.
 McKellar, Archie, Wausau, Wis. Neck-yoke attachment for tongues. 1,516,399; Nov. 18.
 McKenzie, Daniel, Guelph, Canada. Bag holder. 1,516,451; Nov. 18.
 McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Method of and machine for filing gin saws. 1,516,052; Nov. 18.
 McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 66,037; Nov. 18.
 McNaughton, Robert I., Iron Mountain, Mich. Automobile headlight. 1,516,400; Nov. 18.
 Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa, Iowa. Brake control. 1,515,604; Nov. 18.
 Meadows, Albert. (See Sherman, A. G., and Meadows.)
 Meehan, Joseph F. (See Gary, B. L., and Meehan.)
 Mendel-Drucker Company, The. (See Luttmann, Joseph, assignor.)
 Menningen, Adolph C., West Allis, assignor to Koehring Company, Milwaukee, Wis. Chute for concrete mixers. 1,515,695; Nov. 18.
 Merrick, Frank W. (See Wright, W. C., and Merrick.)
 Messaros, Joseph L., Chicago, Ill. Signaling device. 1,516,484; Nov. 18.
 Metals Production Company of North America Incorporated. (See Taplin, Thomas J., Jr., assignor.)
 Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)
 Mettras, Belle P., De Beque, Colo. Automatic reel. 1,515,960; Nov. 18.
 Metzler, George H., White Plains, N. Y. Train stop. 1,515,868; Nov. 18.
 Meyer & Gross. (See Gross, Edward J., assignor.)

Meyer, Eugene F., Louisville, Ky. Hat hanger. 1,516,024; Nov. 18.
 Meyer, Ralph J., Denver, Colo. Rotary pump. 1,515,961; Nov. 18.
 Micalizzi, Guy S., Washington, D. C. Cigarette and cigar. 1,516,440; Nov. 18.
 Miceli, Alfonso, Washington, D. C. Shoe attachment. 1,516,395; Nov. 18.
 Michigan Valve Foundry and Engineering Company. (See Flower, John W., assignor.)
 Miles, Frank D., Ayrshire, Scotland. Manufacture of indophenolic bodies. 1,516,450; Nov. 18.
 Miller, John O., Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Bowling pin. 1,515,606; Nov. 18.
 Miller, John S., Jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Base-tablet for sound records. 1,516,469; Nov. 18.
 Miller, William E., Kalamazoo, Mich. Wrapping machine. 1,515,744; Nov. 18.
 Miller, William J., Swissvale Borough, Pa. Apparatus for forming articles of glass. 1,515,902; Nov. 18.
 Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
 Miner, W. H., Inc. (See O'Connor, John F., assignor.)
 Mitchell, Theron W. (See Houghton, J. W., and Mitchell.)
 Moerk, Frank N., assignor to C. P. Landreth, Philadelphia, Pa. Liquid-treating apparatus. 1,516,112; Nov. 18.
 Moldenhauer, Erwin F., and L. M. Bickett, assignors to Summit Mari Co., Inc., Watertown, Wis. Parting material for molding basins. 1,516,113; Nov. 18.
 Moline Plow Company. (See Dickinson, Harry S., assignor.)
 Molnar, Steven, and J. Schwartz, Cleveland, Ohio. Wall surface. 1,516,025; Nov. 18.
 Monarch Engineering Company, The. (See De Ville, Edward J., assignor.)
 Monk, Thomas, Bridgeport, assignor to Connecticut Lace Works, Incorporated, Norwalk, Conn. Lace. Des. 66,030; Nov. 18.
 Monks, Francis C., Honolulu, Hawaii. Fruit-trimming machine. 1,515,607; Nov. 18.
 Monteath, Frederick H., assignor to Monteath Photo Sculpture Limited, Sydney, New South Wales, Australia. Photomechanical process for producing bas-reliefs. 1,516,199; Nov. 18.
 Monteath Photo Sculpture Limited. (See Monteath, Frederick H., assignor.)
 Montgomery, James R., St. Louis, Mo. Bed for touring-car bodies. 1,516,235; Nov. 18.
 Mooney, Edward L., Minneapolis, and Z. E. Russell, St. Cloud, Minn. Transfer-printing machine. 1,516,200; Nov. 18.
 Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Jet condenser. 1,516,236; Nov. 18.
 Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Jet condenser. 1,516,237; Nov. 18.
 Morgan, John A., Los Angeles, Calif. Pump. 1,516,053; Nov. 18.
 Morrell, Reginald L., Chicago, Ill. Radiator cover. 1,515,963; Nov. 18.
 Mortimer, Charles W., Brooklyn, N. Y., assignor to The Barrett Company. Cutting shingle strips. 1,516,238; Nov. 18.
 Motor Lock Co., The. (See Woodward, H. P., and Lowery, assignors.)
 Mottlau, Alice L., Far Rockaway, N. Y. Duplex toaster. 1,516,064; Nov. 18.
 Mount Hope Finishing Company. (See Marsden, John, assignor.)
 Moyer, Fredella H., Midland, Pa. Reversing mechanism. 1,515,869; Nov. 18.
 Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
 Mueller, Moritz L., assignor to Northwest Blower Kiln Co., Seattle, Wash. Method and apparatus for kiln drying. Re 15,946; Nov. 18.
 Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Compression coupling. 1,516,396; Nov. 18.
 Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Compression coupling. 1,516,397; Nov. 18.
 Mulrooney, Edward P., and J. O'Connell, New York, N. Y. Locking valve. 1,515,745; Nov. 18.
 Mulvehill, John D., Seattle, Wash. Indicator. 1,516,304; Nov. 18.
 Munro, Harold W., Providence, R. I. Sounding elastic toy. 1,515,786; Nov. 18.
 Murphy, Daniel H., assignor to The American Wire-mold Company, Hartford, Conn. Braiding machine. 1,515,608; Nov. 18.
 Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
 Music Master Corporation. (See Eckhardt, Walter L., assignor.)
 Muskegon Piston Ring Co. (See Olson, George W., assignor.)
 Nagorski, John F., and D. F. Carse, Bedford, Ohio. Merry-go-round. 1,515,903; Nov. 18.
 Nash, Albert T., Leesville, S. C. Sewing box. 1,516,401; Nov. 18.

Nathan Manufacturing Company. (See Kassander, Leopold, assignor.)
 National Acme Company, The. (See Drisner, Alfred E., assignor.)
 National Assorting Company. (See Cox, George W., Jr., assignor.)
 National Carbon Company. (See French, H. F., and Benner, assignors.)
 National Carbon Company. (See French, Harry F., assignor.)
 National Folding Box Company. (See Hawxhurst, Charles E., assignor.)
 National Seal Company. (See Lee, Nixon, assignor.)
 Nebel, Oscar, Huron, S. Dak. Animal trap. 1,516,201; Nov. 18.
 Neff, Harry D., Stoneham, assignor to Re-Fill-It Broom Company, Boston, Mass. Push broom. 1,516,026; Nov. 18.
 Nehsmann, Ferdinand, Bronx, N. Y. Reinforced concrete structure. 1,516,239; Nov. 18.
 Nell, Gustave M., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill retainer. 1,516,055; Nov. 18.
 Nelson, Carl L., Yonkers, assignor to V. Vivaudou, Inc., New York, N. Y. Covering for a box or similar article. Des. 66,038; Nov. 18.
 Nelson, Edward F. (See Catlett, J. C., and Nelson.)
 Nelson, Esther E., Chicago, Ill. Metal-polish compound. 1,515,870; Nov. 18.
 Nelson, I. R., Co. (See Catlett, J. C., and Nelson, assignors.)
 Nelson, William D., Terril, Iowa. Nose fly shield for horses. 1,516,202; Nov. 18.
 Neth, Herbert E. (See Stern, M. C., and Neth.)
 Neuschel, John K., assignor to one-half to Duraflex Metal Hose Co., Buffalo, N. Y. Coupling for gasoline hose. 1,516,452; Nov. 18.
 Newell Mfg. Co., The. (See Acker, Aaron, assignor.)
 Newman, George W., assignor by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill. Loose-leaf-record binder. 1,516,114; Nov. 18.
 Newman, George W., assignor by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill. Memorandum book. 1,516,115; Nov. 18.
 Nichols, George H., Elkhart, Ind. Theft-preventing device. 1,516,453; Nov. 18.
 Nichols, Harry J. (See Fischer, Max W., assignor.)
 Niles-Bement-Pond Company. (See Blood, H. L., and Winey, assignors.)
 Niles-Bement-Pond Company. (See Hagman, W. J., and Wray, assignors.)
 Nishiyama, Ryonosuke, and Suzuki, K., Los Angeles, Calif. Floral basket. 1,515,787; Nov. 18.
 Noe, William R., & Sons. (See Villaret, Gustave E., assignor.)
 Nordgren, Joseph E. (See Berntson, B. M., and Nordgren.)
 Norman, Earl E., Kalamazoo, Mich. Meter tester. 1,515,746; Nov. 18.
 North British Diesel Engine Works, (1922) Limited. (See MacLagan, John C. M., assignor.)
 North Bro's Mfg. Co. (See Leopold, George O., assignor.)
 Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Temple thread cutter for looms. 1,515,609; Nov. 18.
 Norton, Stephen A., East Orange, N. J., assignor to First Aid Specialty Company, Incorporated, New York, N. Y. Ampul. 1,516,454; Nov. 18.
 Northwest Blower Kiln Co. (See Mueller, Moritz L., assignor.)
 Nowosielski, Edward B., Bloomfield, assignor to Splittdorf Electrical Company, Newark, N. J. Cable-retaining mean. 1,515,871; Nov. 18.
 Nowosielski, Edward B., Bloomfield, assignor to Splittdorf Electrical Company, Newark, N. J. Combined collector and terminal block. 1,515,872; Nov. 18.
 Oakley, Sterling A., Boise, Idaho. Thermostatically-controlled electric heating device. 1,516,203; Nov. 18.
 O'Connell, James. (See Mulrooney, E. P., and O'Connell.)
 O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,515,610; Nov. 18.
 O'Connor, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Locking device. 1,515,611; Nov. 18.
 O'Connor, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Locking device. 1,515,612; Nov. 18.
 O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,515,747; Nov. 18.
 O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,515,873; Nov. 18.
 O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Colling machine. 1,515,874; Nov. 18.
 O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,515,875; Nov. 18.
 O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,515,876; Nov. 18.

O'Connor, John F., Chicago, Ill., assignor by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,515,877; Nov. 18.
 Oesser, Minna, Cassel, Germany. Tool for connecting electric conduits. 1,515,748; Nov. 18.
 Ohio Steel Foundry Company, The. (See Chiles, George S., assignor.)
 Olsen, Carl N., assignor of one-half to The Fountain Sand and Gravel Company, Pueblo, Colo. Gravel separator. 1,516,204; Nov. 18.
 Olson, George W., assignor to Muskegon Piston Ring Co., Muskegon, Mich. Piston-ring-dressing machine. 1,516,056; Nov. 18.
 Olson, John W. (See Parsons, Newell B., assignor.)
 Olsson, Nils G., assignor of one-half to himself and one-half to W. D. Foulke, Aurora, Ill. Roof and shingle therefor. 1,515,740; Nov. 18.
 Orcutt, Charles C. (See Pinder, Thomas F., assignor.)
 Ordway, Carroll T., assignor of one-half to C. Ordway, Brooklyn, N. Y. Automatic control. 1,516,402; Nov. 18.
 Ordway, Charles. (See Ordway, Carroll T., assignor.)
 O'Rourke, John A., Carbon, Alberta, Canada. Grain door for box cars. 1,515,964; Nov. 18.
 Osgood, Rollin D., Birmingham, Ala. Manipulator for rolling mills. 1,516,205; Nov. 18.
 Osterberg, Carl T., Milwaukee, Wis. Wrench. 1,516,240; Nov. 18.
 Osterhout, Lyman P., Kenosha, Wis. Swimmer's motor. 1,516,241; Nov. 18.
 Ostmeier, Eduard, Essen-Margarethenhohe, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Key locking device for cash registers. 1,516,057; Nov. 18.
 Otis Automatic Train Control Incorporated. (See Bissell, David J., Jr., assignor.)
 Ottumwa Iron Works. (See Mead, Ezra B., assignor.)
 Outmet, Henry G., Waterbury, Conn. Slide-spout portable oil measure. 1,515,878; Nov. 18.
 Owens Bottle Company, The. (See Rule, John F., assignor.)
 Paden, William L., Saginaw, Mich. Oiling device for spring-leaf shackles. 1,515,879; Nov. 18.
 Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 66,040; Nov. 18.
 Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 66,041; Nov. 18.
 Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 66,042; Nov. 18.
 Page, Victor W., New York, N. Y. Cowl ventilator and filling opening for cowl tanks. 1,516,403; Nov. 18.
 Palmenberg, Raymond T., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Food-display cabinet. 1,516,404; Nov. 18.
 Palmenberg's, J. R., Sons, Inc. (See Palmenberg, Raymond T., assignor.)
 Palmer, Clarence E., et al. (See Randolph, Chester L., assignor.)
 Panza, Eugene, Springfield, Mass. Device for opening sealed packages. 1,516,455; Nov. 18.
 Pappadakis, Andru G., Detroit, Mich. Alarm mechanism. 1,515,788; Nov. 18.
 Paquette, Herman A., Chicago, Ill. Gas-heated flatiron. 1,515,693; Nov. 18.
 Pardee, Frank, Hazleton, Pa. Air spiral. 1,515,965; Nov. 18.
 Parmele, William G., Seattle, Wash. Padlock. 1,515,789; Nov. 18.
 Parsons, Newell B., La Grange, assignor to J. W. Olson, Chicago, Ill. Timer cap. 1,515,790; Nov. 18.
 Pasman, Abram N., Waterbury, Conn. Bushing liner. 1,515,750; Nov. 18.
 Pataky, Anton, Conneaut, Ohio. Coupling pin. 1,516,347; Nov. 18.
 Paxson, Russell C. (See Caruthers, E. W., and Paxson.)
 Peacock, Samuel. (See Scott, I. M., and Peacock.)
 Peebles, Thomas A., assignor to J. M. Hopwood, Pittsburgh, Pa. Regulation of combustion of pulverized fuel. 1,516,456; Nov. 18.
 Peerless Manufacturing Company. (See McMinn, John E., assignor.)
 Peerless Roll Leaf Co. (See Boyd, William J., assignor.)
 Peerless Roll Leaf Co. (See Grupe, William F., assignor.)
 Peirce, Ralph S., Hinsdale, Ill. Anchorage device. 1,516,242; Nov. 18.
 Peklenk, Teresa, Wayne, Nebr. Newspaper holder. 1,515,694; Nov. 18.
 Perrot, Jacques, Liège, France. Automatic incubator. 1,516,470; Nov. 18.
 Perry, Charles A., Healdsburg, Calif. Extractor. 1,516,116; Nov. 18.
 Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company, Roofing. 1,516,243; Nov. 18.
 Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Mechanism for curling the flanges of can ends and the like. 1,515,695; Nov. 18.
 Petroleum Engineering Corporation. (See Holdaway, H. H., and Challacombe, assignors.)
 Pfannenstiel, Nora. (See Rohde, F., and Schwinning, assignors.)

Pfannstiehl, Carl, assignor to Special Chemicals Company, Highland Park, Ill. Tooth-cleaning preparation. 1,516,206; Nov. 18.
 Pfeiffer, George J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin stripper. 1,515,880; Nov. 18.
 Phillips, Will H., Chicago, Ill. Expansion joint. 1,515,613; Nov. 18.
 Pignani, Frank. (See Pignani, Lawrence and F.)
 Pignani, Lawrence and F., Blairsville, Pa. Power controller. 1,515,696; Nov. 18.
 Pinder, Thomas F., Ardmore, Pa., assignor to C. C. Orcutt, New York, N. Y. Method and machine for drying paper. 1,516,014; Nov. 18.
 Pine Tree Milling Machine Company. (See Stampen, Jacob J., assignor.)
 Pinaas, Fred, New York, N. Y. Scale construction. 1,516,405; Nov. 18.
 Pneumatic Appliances Corporation. (See Eckrode, C. E., Acken, and Welland, assignors.)
 Pneumatic Cushion Co. (See Gruss, Lucien R., assignor.)
 Polhemus, Louis E., Miami, Ariz. Combined knife and pistol. 1,515,751; Nov. 18.
 Pollak, Abraham, assignor to S. Kanner, New York, N. Y. Lead pencil. 1,515,615; Nov. 18.
 Pontius, Merl R., Eldorado, Kans., assignor to Shaffer Specialty Company, Tulsa, Okla. Sand-reel appliance. 1,515,881; Nov. 18.
 Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,515,697; Nov. 18.
 Poppenhusen, Herman A., Hammond, Ind. Method and apparatus for recovering scrap metal. 1,515,616; Nov. 18.
 Porter, Albert M., Linn County, Kans. Water system for internal-combustion engines. 1,516,058; Nov. 18.
 Porter, Dallas L. (See Hatt, L. C., and Porter.)
 Portz, Paul H., Alliance, Ohio. Combined table and radiocabinet. Des. 66,039; Nov. 18.
 Post, Charles C. (See Cox, F. F., and Post.)
 Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield pivot mounting. Re 15,947; Nov. 18.
 Potts, Thomas E., Los Angeles, Calif. Door control. 1,516,348; Nov. 18.
 Powell, A. L., Power Company, The. (See Powell, Alvah L., assignor.)
 Powell, Alvah L., assignor by mesne assignments, to The A. L. Powell Power Company, Inc., Roundup, Mont. Engine. 1,516,457; Nov. 18.
 Powell, John V., Detroit, Mich. Velocipede. 1,516,244; Nov. 18.
 Powell, Winfred T., Rochester, N. Y., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,516,245; Nov. 18.
 Power Specialty Company. (See Keenan, Walter F., Jr., assignor.)
 Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
 Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
 Pratt & Whitney Company. (See Lindstrom, August B., assignor.)
 Pratt & Whitney Company. (See Schofield, Joseph K., assignor.)
 Pratt & Whitney Company. (See Thacher, John J., assignor.)
 Price, Edwin C. (See Foth, William C., assignor.)
 Price Flavoring Extract Co. (See Wussow, August F., assignor.)
 Price, John D., and W. H. Drake, Cleveland, Ohio. Shoe construction. 1,516,305; Nov. 18.
 Procter, Edward, and H. Walton, London, England. Heating stove or oven for drying and other industrial purposes. 1,516,458; Nov. 18.
 Pryce, Leslie. (See Eladon-Dew, W., Pryce, and Woodworth.)
 Pugh, Reginald J., Youngstown, Ohio. Preparing pickled steel sheets. 1,516,117; Nov. 18.
 Purdy, Fred A., New York, N. Y. Traffic indicator. 1,515,882; Nov. 18.
 Radio Corporation of America. (See Bangay, Raymond D., assignor.)
 Ramage, Alexander S., Detroit, Mich. Apparatus and process for distillation of coal. 1,516,406; Nov. 18.
 Rand, James H., North Tonawanda, N. Y. Operator's station. 1,515,698; Nov. 18.
 Randig, Kurt. (See Alvensleben, Hans, assignor.)
 Randolph, Chester L., assignor of one-fourth to C. W. Raymond, Coseob, one-fourth to J. M. Ulrich, Greenwich, and one-fourth to C. E. Palmer, Riverside, Conn. Automobile lock. 1,515,752; Nov. 18.
 Rauchwetter, Anna, née Böhme, administratrix. (See Rauchwetter, Franz.)
 Rauchwetter, Franz, deceased, by A. Rauchwetter, née Böhme, administratrix, Berlin-Friedrichshagen, Germany; A. Flater, present administrator. Motor drive for calculating machines. 1,515,966; Nov. 18.
 Ranen, Carl F., assignor to H. S. Shelton, Dayton, Ohio. Tractor. 1,515,883; Nov. 18.
 Raymond, Charles W., et al. (See Randolph, Chester L., assignor.)

Reach, William F., Springfield, Mass., assignor to A. G. Spaulding & Brothers, New York, N. Y. Handgrip for game frames. 1,515,753; Nov. 18.
 Reagan, Gerald H., River Forest, Ill. Window screen. 1,516,246; Nov. 18.
 Reagan, Harry C., Boulder, Colo. Electric furnace. 1,515,967; Nov. 18.
 Redding, Edward T., Swissvale, Pa., assignor to Consolidated Expanded Metal Companies. Process and apparatus for making expanded metal. 1,516,050; Nov. 18.
 Redner, Cecil R., Rochester, N. Y. Printing press. 1,515,791; Nov. 18.
 Redwine, Sterlin D., Crab Orchard, Tenn. Boll-weevil destroyer. 1,515,699; Nov. 18.
 Reece Button Hole Machine Company, The. (See Ritchie, James P., assignor.)
 Reed Air Filter Company. (See Hegan, Chester P., assignor.)
 Rees, Warren C., Somerville, assignor to Aseptic Service Company, Boston, Mass. Sanitary water-closet attachment. 1,515,700; Nov. 18.
 Reeve, Howard T., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,515,701; Nov. 18.
 Reeves, William A. (See Tucker, O. M., and Reeves.)
 Re-Fill-It Broom Company. (See Neff, Harry D., assignor.)
 Regnary, John W., Petersburg, Nebr. End gate. 1,516,118; Nov. 18.
 Rehora, William A., Jr., New York, N. Y. Lamp bracket. 1,516,306; Nov. 18.
 Reichard, Harold D., Akron, Ohio. Tire tread. Des. 66,043; Nov. 18.
 Reppes, Roland B., New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I. Unwoven fabric and making the same. 1,515,792; Nov. 18.
 Respro Inc. (See Reppes, Roland B., assignor.)
 Reuter, Ernest E., Staunton, Ill. Lamp holder. 1,516,307; Nov. 18.
 Reynolds, Edwin C., Denver, Colo., assignor to The Dorr Company. Pump diaphragm. 1,515,702; Nov. 18.
 Reynolds, Charles B. (See Reynolds, Clarence D. and C. B.)
 Reynolds, Clarence D. and C. B., Whittier, Calif. Tool joint. 1,515,617; Nov. 18.
 Reynolds, John N. (See Goodrum, C. L., and Reynolds.)
 Reynolds, Reginald, Barnes, London, England. Piano-player music and machine for producing same. 1,516,459; Nov. 18.
 Rhamstine, John T., Detroit, Mich. Amplifier. 1,516,000; Nov. 18.
 Ricard, Elol, assignor to Société Ricard, Allenet & Cie., Melle, Deux-Sevres, France. Purifying liquids. 1,515,968; Nov. 18.
 Richardson, Thornton L., Washington, D. C. Card-fastening device. 1,515,813; Nov. 18.
 Richmond, Fred. (See Allen, W. R., Marker, and Richmond.)
 Richroath, George A., assignor to Elsmann Magneto Corporation, Brooklyn, N. Y. Magneto-drive attachment. 1,516,247; Nov. 18.
 Ritchie, James P., Amherst, N. H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. 1,515,754; Nov. 18.
 Rittenhouse, Arthur E., Honeye Falls, N. Y. Wave motor. 1,516,349; Nov. 18.
 Robb, William B., and A. Hunter, Bakersfield, Calif. Pump plunger. 1,516,470; Nov. 18.
 Robertson, James L., Oxford, Ohio. Caster for stoves, etc. 1,516,308; Nov. 18.
 Robinson, James, Rochdale, England. Shirt. 1,515,814; Nov. 18.
 Roche, Clifton R., Chicago, Ill. Automobile. 1,515,815; Nov. 18.
 Rockwell, Stanley P., Syracuse, N. Y. Hardness-testing machine. 1,516,207; Nov. 18.
 Rockwell, Stanley P., West Hartford, Conn. Hardness-testing machine. 1,516,208; Nov. 18.
 Roessler & Hasselacher Chemical Co., The. (See Wernlund, Christian J., assignor.)
 Rogers, Joseph A., Rumney Depot, N. H. Spark plug. 1,516,460; Nov. 18.
 Rohde, Fritz, Berlin, and M. Schwinnig, Berlin-Schöneberg, assignors to N. Pfannenstiel, Tetlow, Germany. Suspension insulator. 1,515,755; Nov. 18.
 Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Securing electrodes in spark-plug cores. 1,515,884; Nov. 18.
 Roka, Koloman, assignor to the Firm of Holzverkohlungs-Industrie Aktiengesellschaft, Constance, Baden, Germany. Chlorinating acetylene. 1,516,350; Nov. 18.
 Rolls Royce Limited. (See Royce, Frederick H., assignor.)
 Roof, Benjamin M., Lima, Ohio. Detonating toy. 1,515,969; Nov. 18.
 Rooney, Francis J., Philadelphia, Pa. Fingerprint machine. 1,516,119; Nov. 18.
 Rooney, Francis J., Los Angeles, Calif. Fingerprint machine. 1,516,120; Nov. 18.
 Ross, Andrew J., Los Angeles, Calif. Pump. 1,515,703; Nov. 18.
 Ross, Benjamin, Brooklyn, N. Y., Arch support. 1,516,248; Nov. 18.
 Ross Manufacturing Co. (See Ryan, James C.)
 Rothstein, Henrietta, New York, N. Y. Brassière. 1,516,249; Nov. 18.
 Roy, Iréné, Paris, France. Articulated coupling device for heavy loads. 1,515,756; Nov. 18.
 Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Change-speed-gear mechanism for mechanically-propelled vehicles. 1,516,309; Nov. 18.
 Ruesch, Frederick, assignor to Hoe Corporation, Poughkeepsie, N. Y. Wrench. 1,515,818; Nov. 18.
 Rug and Noble, Incorporated. See Rug, Harry O., assignor.)
 Rug, Harry O., assignor to Rug and Noble, Incorporated, Chicago, Ill. Wireless receiving system. 1,516,061; Nov. 18.
 Rule, John F., assignor to The Owens Bottle Company, Toledo, Ohio. Manufacture of glass containers. 1,515,885; Nov. 18.
 Rumohr, Christian, New York, N. Y. Automobile lubricating device. 1,516,062; Nov. 18.
 Rumsey, John C., Lawrence, Kans. Undertaker's head-rest. 1,515,886; Nov. 18.
 Runnels, Walter S., Kalamazoo, Mich. Sawing and trimming machine. 1,515,619; Nov. 18.
 Runnels, Walter S., Kalamazoo, Mich. Drilling and routing machine. 1,515,620; Nov. 18.
 Rupert, Bert E., Dayton, Ohio. Vending machine. 1,516,121; Nov. 18.
 Rush, Albert, assignor to The Kinneer Manufacturing Company, Columbus, Ohio. Closing doors for elevator shafts. 1,515,621; Nov. 18.
 Russell, Zachary E. (See Mooney, E. L., and Russell.)
 Ryan, James C., assignor to Ross Manufacturing Co., Kansas City, Mo. Ball-valve stop. 1,516,209; Nov. 18.
 Ryan, Thomas R., Hillyard, Wash. Valve-operating mechanism. 1,516,310; Nov. 18.
 Rylander, Parrish H., Austin, Tex. Grader or sorter for nuts. 1,515,757; Nov. 18.
 Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,515,887; Nov. 18.
 Sager, J. H., Company. (See Sager, James H., assignor.)
 Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Automobile bumper. 1,516,461; Nov. 18.
 Salzman, George S., Cleveland Heights, Ohio. Valve tap-pet. 1,515,758; Nov. 18.
 Samuels, Julius, New York, N. Y. Egg beater. 1,516,210; Nov. 18.
 Sandberg, Christer P., London, England. Manufacture of railway and tramway rails. 1,516,407; Nov. 18.
 Sanford, Andrew J., and J. B. Townsend, assignors to A. H. Helsey & Co., Newark, Ohio. Machine for finishing glassware. 1,515,793; Nov. 18.
 Sanford Mills. (See Benoit, Joseph F., assignor.)
 Santarelli, Emidio, Montreal, Quebec, Canada. Nail-pulling device. 1,516,155; Nov. 18.
 Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
 Sarlabous, Marie, and H. Fountain, New York, N. Y. Dish handler. 1,515,622; Nov. 18.
 Saunders, Edward W., St. Louis, Mo. Antiskid device for automobiles and other vehicles. 1,516,211; Nov. 18.
 Saunders, Frank L., Ashtabula, Ohio. Electrical steam-whistle installation for boats. 1,515,888; Nov. 18.
 Sawyer, Charles A., San Jose, Calif. Oil burner. 1,515,970; Nov. 18.
 Scammell, Frederick A., Johnstown, Pa. Sail. 1,516,063; Nov. 18.
 Scarles, John C., assignor to California Wire Cloth Company, Oakland, Calif. Galvanizing apparatus. 1,516,122; Nov. 18.
 Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Gauging and assorting machine. 1,516,123; Nov. 18.
 Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Bore gauge. 1,516,124; Nov. 18.
 Schlesinger, Leo, & Company. (See Wachtel, Charles, assignor.)
 Schmidt, Charles J. (See Howard, Alonzo, assignor.)
 Schmidt, Frank P., Quincy, Ill. Composition for the removal of paint, varnish, enamel, grease, etc. 1,516,064; Nov. 18.
 Schmitz, Fred A., Cleveland, assignor to The General Fireproofing Company, Youngstown, Ohio. Brace for supporting crossbars of filing cabinets. 1,516,156; Nov. 18.
 Schneider, Charles C., St. Louis, Mo. Cloth-laying machine. 1,516,212; Nov. 18.
 Schneider, Samuel H., and M. Fox, New York, N. Y. Cap. 1,516,284; Nov. 18.
 Schofield, Joseph K., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Lost-motion-compensating means for gear-hobbing machines. 1,516,477; Nov. 18.
 Schott, Albert H., South Brownsville, Pa. Tamping mold. 1,515,623; Nov. 18.
 Schou, Theodor, and S. G. Vinson, assignors to The Ideal Electric & Manufacturing Co., Mansfield, Ohio. Dynamo-electric machine. 1,515,889; Nov. 18.
 Schroeder, William G., and C. I. Layton, Dewey, Okla. Rod and tube friction pulling machine. 1,516,311; Nov. 18.
 Schubnel, Joseph, North Adams, Mass. Combined emergency brake and jack. 1,516,213; Nov. 18.

Schuermann, Anton C. (See Mueller, P., and Schuermann.)
 Schumacher, Elmer L., Southbridge, and W. H. Boutelle, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,515,624; Nov. 18.
 Schumann, Alfred G., Baltimore, Md. Oil or gas burner. 1,516,408; Nov. 18.
 Schvarcz, Andrew, assignor to Hudson Jewelry Mfg. Co., Inc., New York, N. Y. Fastener. 1,516,462; Nov. 18.
 Schwartz, Jacob. (See Molnar, S., and Schwartz.)
 Schwartz, Julius, New York, N. Y., assignor to United Cigar Stores Company of America. Display case. Des. 66,044; Nov. 18.
 Schwinning, Max. (See Rohde, F., and Schwinning.)
 Scott, Alexander A., Knoxville, Tenn., assignor to Baltimore Trust Company, trustee. Apparatus for automatically switching brick into plurality of rows for unit formation. 1,516,409; Nov. 18.
 Scott, Donald M., Rochester, assignor to The T. H. Symington Company, New York, N. Y. Hardening iron. 1,516,157; Nov. 18.
 Scott, Emil, Ellsworth, Ill. Mousetrap. 1,516,312; Nov. 18.
 Scott, George M. (See Scott, Herbert H. and G. M.)
 Scott, Harry E., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Weighing loads. 1,516,027; Nov. 18.
 Scott, Herbert H. and G. M., London, England. Production of show cards, advertisements, signs, decorations, or the like by stenciling. 1,516,065; Nov. 18.
 Scott, Isaac M., Wheeling, W. Va., and S. Peacock, Philadelphia, Pa. Making steel ingots free from blow-holes. 1,515,794; Nov. 18.
 Scott, William M., Tredyffrin Township, Chester County, Pa. Switching apparatus. 1,515,759; Nov. 18.
 Seaman, Claude D., assignor to Electrical Products Corporation, Los Angeles, Calif. Lamp mounting. 1,516,158; Nov. 18.
 Search, Charles E., Milwaukee, Wis. Ventilating curtain for motor vehicles. 1,515,795; Nov. 18.
 Searing, Hudson R., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Indicator for relays. 1,516,313; Nov. 18.
 Sears, Mable H., executrix. (See Sears, Willard T.)
 Sears, Willard T., deceased, Montclair, N. J.; M. H. Sears, executrix. Controlling-pedal mechanism. 1,516,125; Nov. 18.
 Sebald, Leslie E., assignor to The Griscum Russell Company, New York, N. Y. Flash evaporator. 1,516,314; Nov. 18.
 Seddon, Ralph. (See Wiking, August, assignor.)
 Séguin, Ralph, Vancouver, British Columbia, Canada. Bumper for automobiles. 1,516,410; Nov. 18.
 Sells, Michael L., assignor to Keystone Reamer & Tool Co., Millersburg, Pa. Combination screw die and collet. 1,516,351; Nov. 18.
 Sekulski, Lee E., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Spiral conveyor and chute. 1,516,890; Nov. 18.
 Selby, Harley R., Kalamazoo, Mich. Article holder. 1,516,126; Nov. 18.
 Sellers, Prinitis M., assignor of one-half to P. E. Lannoy, Mount Vernon, Ohio. Sheet-glass machine. 1,515,625; Nov. 18.
 Sequin, Josephat A., Winooki, Vt. Air-hose coupling for cars. 1,516,478; Nov. 18.
 Sethman, George H., assignor of one-half to C. W. Thuringer, Denver, Colo. Electric generator. 1,515,971; Nov. 18.
 Sévian, Vahé, Bagdad, Turkey. Protecting inflammable liquids stored in bulk from fire. 1,516,214; Nov. 18.
 Shaffer Specialty Company. (See Pontius, Merl R., assignor.)
 Shall, David J. (See Gantert, Leo, assignor.)
 Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
 Shartner, Thomas F., Oakland, Calif. Vehicle license plate. 1,516,127; Nov. 18.
 Shaw, Chester J. (See Darby, Edwin, assignor.)
 Shay, Charles M., Orange, assignor to Splittdorf Electrical Company, Newark, N. J. Quick-detachable connector. 1,515,891; Nov. 18.
 Shelton, Harold S. (See Rauon, Carl F., assignor.)
 Sherman, Alvin G., and A. Meadows, assignors to Detroit Vapor Stove Company, Detroit, Mich. Stove-door latch. 1,515,704; Nov. 18.
 Sherman, Ray T., et al. (See Brinkman, Oscar F., assignor.)
 Shipman, Ulysses G., O'Neill, Nebr. Convertible end gate. 1,516,626; Nov. 18.
 Shoemaker, John F., Chicago, Ill. Making pads of checks or the like. 1,515,972; Nov. 18.
 Shook, Florin J., Akron, Ohio, assignor to The R. F. Goodrich Company, New York, N. Y. Apparatus for gauging annular articles. 1,515,627; Nov. 18.
 Short, Frank, Penn Yan, N. Y. Bomb. 1,515,705; Nov. 18.
 Shorts, Robert, San Jose, Costa Rica. Starch and vegetable oil extracting machine. 1,516,215; Nov. 18.
 Sieshultz, Herbert, Allentown, Pa. Propeller for aeroplanes. 1,515,796; Nov. 18.
 Sieweck, Charles A., assignor to F. A. D. Andrea, Inc., New York, N. Y. Radio-receiving-apparatus cabinet. Des. 66,045; Nov. 18.
 Siewers, William O., Newell, Iowa. Valve mechanism for drainage systems. 1,515,904; Nov. 18.
 Siewers, John B. (See Lyons, J. W., and Siewers.)
 Simon, Leon, West Hoboken, N. J. Husk for lighting fixtures. Des. 66,046; Nov. 18.
 Simonds, Harry P., Washington, D. C. Electric-drop-light shade. Re15,948; Nov. 18.
 Simonsen, Niels C., Sioux Rapids, Iowa. Hopple for cows. 1,515,973; Nov. 18.
 Simplex Utilities Corporation. (See Burchett, Walter J., assignor.)
 Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
 Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)
 Skelly, Peter A., Springfield, Mass. Station and information indicator. 1,516,315; Nov. 18.
 Slavsky, Emil, Astoria, N. Y. Collapsible crate. 1,516,352; Nov. 18.
 Sleeper, Otis H., Exeter, N. H. Locking device. 1,516,028; Nov. 18.
 Small, George R., Montreal, Quebec, Canada. Seat. 1,515,760; Nov. 18.
 Smith, Arthur D., Arkansas City, Kans. Stuffing box. 1,516,816; Nov. 18.
 Smith, Arthur E. B., Handsworth, Birmingham, England. Album or book cabinet. 1,515,797; Nov. 18.
 Smith, George K., New York, N. Y. Detachable snap button or spring stud. 1,515,974; Nov. 18.
 Smith, Henry, Moose Jaw, Saskatchewan, Canada. Hand stoking hook. 1,515,975; Nov. 18.
 Smith, John E., assignor to Longdin-Bruger Company, Fond du Lac, Wis. Sliding-curtain-carrying attachment for automobiles. 1,516,411; Nov. 18.
 Smith, Park A. (See Flower, J. T., Jr., and Smith.)
 Sneed & Co. Iron Works, The. (See Macdonald, Harry P., and A. S., assignors.)
 Sneed, Robert E. L., Lafayette, La. Live-stock-warning device. 1,516,412; Nov. 18.
 Sneed, Wellington A., Davenport, Iowa. Towel applicator. 1,516,250; Nov. 18.
 Snow, Alexander L., Worcester, Mass. Hide-stretching apparatus. 1,516,413; Nov. 18.
 Société Anonyme des Ateliers d'Aviation Louis Bréguet. (See Bréguet, Louis, assignor.)
 Société Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Delevoye, R. E. C., and Dumaine, assignors.)
 Société Ricard, Allenet & Cie. (See Ricard, Etol, assignor.)
 Society of Chemical Industry in Basle. (See De Montmolin, G., and Bonhöte, assignors.)
 Sokolow, Samuel, New York, N. Y. Window fastener. 1,515,905; Nov. 18.
 Solem, Peter A., Rockford, Ill. Abrading cylinder. 1,515,892; Nov. 18.
 Solow, Naftal, New York, N. Y. Hook and eye and tape containing such hooks and eyes. 1,515,706; Nov. 18.
 Somers, Harry K., Champaign, Ill. Windmill. 1,515,817; Nov. 18.
 Southworth, Philip M., Brooklyn, and G. Hornecker, assignors to L. R. Conwell, Elmhurst, N. Y. Display device. 1,516,159; Nov. 18.
 Spaulding, A. G., & Brothers. (See Reach, William F., assignor.)
 Spaulding, Charles E., Centalla, Ill. Damper-operating device. 1,516,414; Nov. 18.
 Special Chemicals Company. (See Black, Robert S., assignor.)
 Special Chemicals Company. (See Pfanstiel, Carl, assignor.)
 Spensley, Jacob W., Manchester, England. Grinding or disintegrating and mixing machine. 1,515,798; Nov. 18.
 Sperl, Andrew, Gray, N. Y. Attachment for hammers. 1,515,628; Nov. 18.
 Splittdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
 Splittdorf Electrical Company. (See Shay, Charles M., assignor.)
 Springer, Franklin W., Minneapolis, Minn. Liquid-level gauge. 1,516,160; Nov. 18.
 Stampen, Jacob J., assignor to Pine Tree Milking Machine Company, Chicago, Ill. Milking machine. 1,515,707; Nov. 18.
 Standard Fullers Earth Co. (See Hindelang, Peter P., assignor.)
 Standard Oil Company. (See Hanson, Viggo E., assignor.)
 Stankiewicz, Ludwik S., Chicago, Ill. Circuit closer for burglar alarms. 1,516,216; Nov. 18.
 Stapley, Albert, Belleville, Ontario, Canada. Lock for car doors. 1,515,761; Nov. 18.
 Steel, John R., San Francisco, Calif. Smelting ores. 1,515,906; Nov. 18.
 Steel, John R., San Francisco, Calif. Smelting and reducing ores. 1,515,907; Nov. 18.
 Steel Products Company. (See Houghton, J. W., and Mitchell, assignors.)
 Stephenson, Charles H., Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States. Removal of maggots, insects, green berries, trash, and similar objects from blueberries. 1,515,908; Nov. 18.

Stern, Lina, and F. Battelli, Geneva, Switzerland. Imparting to internally-secreting glands, separated from the organism, a relatively large quantity of active substances. 1,515,976; Nov. 18.

Stern, Milton C., and H. E. Neth, assignors to The Egly Register Company, Dayton, Ohio. Antographic register. 1,515,629; Nov. 18.

Stevenson, Earl P., assignor to Arthur D. Little, Inc., Newton, Mass. Treating spent pickling liquors. 1,515,799; Nov. 18.

Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)

Stiles, Linford S., Brooklyn, N. Y. Water-gas apparatus. 1,516,217; Nov. 18.

Stiles, Linford S., Brooklyn, N. Y. Water-gas apparatus. 1,516,218; Nov. 18.

Stobbe, Rudolph H., St. Clairsville, Ohio. Bow-facing car. 1,515,977; Nov. 18.

Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Gas range and burner therefor. 1,516,316; Nov. 18.

Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Wickless oil burner. 1,516,317; Nov. 18.

Stolle, John W., assignor to The Danbury Unbreakable Tool Corporation, Danbury, Conn. Hammer. 1,515,708; Nov. 18.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Trunk lock. Des. 66,047; Nov. 18.

Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 66,048; Nov. 18.

Stoody, Charles H., W. F., and S. M., Whittier, Calif. Apparatus for welding metal. 1,516,471; Nov. 18.

Stoody, Shelley M. (See Stoody, C. H., W. F., and S. M.)

Stoody, Winston F. (See Stoody, Charles H., W. F., and S. M.)

Storey, George A., Holtville, Calif. Electric condenser coffee urn. 1,515,800; Nov. 18.

Stowell, Augustus H., Spokane, Wash. Irrigation ditch. 1,515,709; Nov. 18.

Strickling, David B. (See Eckart, George F., assignor.)

Strong, Ralph B., Red Lake, N. Mex. Water pump. 1,516,479; Nov. 18.

Stuart, Alexander T., Toronto, Ontario, Canada. Screen for filter presses. 1,516,463; Nov. 18.

Sturdy, Herbert K., Jr., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Display device. 1,515,909; Nov. 18.

Sturdy, J. F., Sons Co. (See Sturdy, Herbert K., Jr., assignor.)

Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)

Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Apparatus for use in manufacturing mortar or plaster. 1,516,029; Nov. 18.

Stutz, John C., Albuquerque, N. Mex. Ogee-cutting machine. 1,516,353; Nov. 18.

Styll, Harry H., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Lens. 1,515,030; Nov. 18.

Subox A. G. (See Brandenberger, Oscar, assignor.)

Sullivan, Joseph D., Maynard, Mass. Stop motion for spinning mules. 1,516,354; Nov. 18.

Sulzberger, Nathan, New York, N. Y. Photographic developer. 1,516,161; Nov. 18.

Summit Marl Co. (See Moldenhauer, E. F., and Bickett, assignors.)

Superior Metal Products Company, The. (See Eckenrood, Harvey C., assignor.)

Suzuki, Kaizo. (See Nishiyama, R., and Suzuki.)

Sweet, Alvin H., assignor to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Brake band. 1,515,910; Nov. 18.

Swenson, Carl E., assignor of one-fourth to L. Faust, one-fourth to E. S. Ekstrom, and one-fourth to C. L. Anderson, Rockford, Ill. Universal joint. 1,516,251; Nov. 18.

Swetznoff, Solomon, Boston, Mass. Detachable shoe heel. 1,516,355; Nov. 18.

Sylvester, Frank S., and R. C. Markeski, Williams, Ariz. Combined stovepipe collar and fastener. 1,515,901; Nov. 18.

Symington, T. H., Company, The. (See Scott, Donald M., assignor.)

Tabulating Machine Company, The. (See Carroll, Fred M., assignor.)

Talbert, Daniel H., Los Angeles, Calif. Cue pin game. 1,516,252; Nov. 18.

Taliaferro, Lucile R. K., New York, N. Y. Dirigible headlight for automobiles. 1,515,978; Nov. 18.

Taplin, George C., Brookline, Mass. Fulcrum block for foot treatment. 1,516,464; Nov. 18.

Taplin, Thomas J., Jr., London, England, assignor to Metals Production Company of North America Incorporated, New York, N. Y. Leaching of ores containing silimes. 1,516,356; Nov. 18.

Taylor, Herbert B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,515,631; Nov. 18.

Taylor, Herbert B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,515,632; Nov. 18.

Taylor, James H., Oak Park, Ill. Machine for bending pipes. 1,515,894; Nov. 18.

Taylor, Louis S., Los Angeles, Calif. Trailer coupling and brake mechanism. 1,515,893; Nov. 18.

Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Pressure reducing and regulating valve. 1,515,911; Nov. 18.

Textile Machine Works. (See Janssen, Henry, assignor.)

Thacher, John J., Wetherfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Chuck-operating means. 1,516,162; Nov. 18.

Thomas, August, Berlin-Hermsdorf, assignor to Deutsche Werke Aktiengesellschaft, Berlin, Germany. Milling machine. 1,516,219; Nov. 18.

Thomas, Benjamin D., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y. Airplane undercarriage. 1,516,357; Nov. 18.

Thomas, Franklin B., Denver, Colo. Car wheel and hub cap therefor. 1,516,066; Nov. 18.

Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment plug. 1,516,415; Nov. 18.

Thomas, Luther B., Shreveport, La. Storage system. 1,516,358; Nov. 18.

Thomas-Morse Aircraft Corporation. (See Thomas, Benjamin D., assignor.)

Thum, Walter A., assignor to A. J. Eskels, St. Louis, Mo. Combined fender and bumper for automobiles. 1,516,253; Nov. 18.

Thum, Walter A. (See Klein, W. F., and Thum.)

Thurmer, Charles W. (See Sethman, George H., assignor.)

Thurman, Edward W., Brighton, assignor of one-half to W. K. Hughes, Melbourne, Victoria, Australia. Pneumatic-tire tube and making same. 1,516,030; Nov. 18.

Tideman, William J., assignor to The United Electric Company, Canton, Ohio. Pool-cleaning tool. 1,516,359; Nov. 18.

Tillyer, Edgar D. (See Styll, H. H., and Tillyer.)

Timken Roller Bearing Company, The. (See Curtis, George W., assignor.)

Timken Roller Bearing Company, The. (See Keller, Jeremiah, assignor.)

Timken Roller Bearing Company, The. (See Schlunpitz, Oswald, assignor.)

Tiu Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)

Title Guarantee and Trust Company, trustee. (See Sweet, Alvin H., assignor.)

Todd, Lorenzo D., Shreveport, La. Baller top. 1,516,416; Nov. 18.

Tolles, Charles L., Eau Claire, Wis. Stake holder. 1,516,163; Nov. 18.

Torrington Specialty Company. (See Green, James A., assignor.)

Towar, George S., Toledo, Ohio. Homopolar dynamo. 1,516,254; Nov. 18.

Townsend, John B. (See Sanford, A. J., and Townsend.)

Trombley, Benjamin L., Detroit, Mich. Ignition timer for internal-combustion engines. 1,516,417; Nov. 18.

Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf blinder and its manufacture. 1,515,710; Nov. 18.

Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; J. Trust, administratrix. Mixing and beating machine. 1,515,633; Nov. 18.

Trust, Josephine, administratrix. (See Trust, H., and Ashley.)

Tubbs, Jason G., Richford, N. Y. Automobile radiator shield. 1,515,979; Nov. 18.

Tucker, Frederick E., Giltner, Nebr. Corn-husking machine. 1,516,067; Nov. 18.

Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio. Method and apparatus for delivering viscous glass. 1,516,220; Nov. 18.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,515,895; Nov. 18.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,515,896; Nov. 18.

Turnley, William M., Toronto, Ontario, Canada. Dry cell. 1,515,912; Nov. 18.

Tuscher, Jacob, Alton, Ill. Airplane. 1,516,221; Nov. 18.

Uberroth, Frank E. P., and W. E. Follin, Newport, R. I., assignors to the Government of the United States, represented by the Secretary of the Navy. Revolution counter. 1,515,913; Nov. 18.

Ulrich, Julius M., et al. (See Randolph, Chester L., assignor.)

Underwood Typewriter Company. (See Lindburg, Joseph, assignor.)

Unger, Gustave A., Pelham Manor, N. Y., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Apparatus for testing lubricants. 1,515,914; Nov. 18.

Union Draft Gear Co. (See Cotton, Walter H., assignor.)

Union Special Machine Company. (See Hughes, Charles R., assignor.)

Union Trust Company, administrator. (See Case, Adelbert B.)

United Cigar Stores Company of America. (See Schwartz, Julius, assignor.)

United Electric Company, The. (See Tideman, William J., assignor.)

United Shoe Machinery Corporation. (See Pope, Elmer R., assignor.)

Urich, Louis J., Elmhurst, assignor to C. Brandes, Inc., New York, N. Y. Advertising support for telephone headsets. Des. 66,049; Nov. 18.

Valenta, Frank A., Schwertner, Tex. Portable repair unit. 1,515,915; Nov. 18.

Van de Putte, John, San Antonio, Tex. Tricycle. 1,516,360; Nov. 18.

Van Doren, Horatio E., Detroit, Mich. Sanitary seat cover. 1,516,222; Nov. 18.

Van Hove, Desire H., assignor to L. A. Young Industries, Incorporated, Detroit, Mich. Upholstery unit for vehicle bodies. 1,515,711; Nov. 18.

Van Ness, Ralph E., Hernando, Fla. Collapsible crate. 1,516,361; Nov. 18.

Vawter, Charles E., Philadelphia, Pa. Electrical measuring instrument. 1,516,634; Nov. 18.

Vegas, Octavio, New York, N. Y. Slicing device. 1,516,362; Nov. 18.

Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company, Tonga. 1,516,031; Nov. 18.

Vickers Limited. (See Vickers, O. H. D., and Ingoldby, assignors.)

Vickers, Oliver H. D., and M. K. Ingoldby, Westminster, assignors to Vickers Limited, London, England. Control of aircraft. 1,516,164; Nov. 18.

Villaret, Gustave E., Leona, N. J., assignor to William R. Roe & Sons, New York, N. Y. Bracket for lighting fixtures. Des. 66,050; Nov. 18.

Vinson, S. Glen. (See Schou, T., and Vinson.)

Vivandou, V., Inc. (See Nelson, Carl L., assignor.)

Vogel, George J., and D. Damberg, Seattle, Wash. Electric cigar lighter. 1,516,255; Nov. 18.

Von Glahn, Charles H., Richmond Hill, N. Y. Box-making machine. 1,516,165; Nov. 18.

Vulcan Last Company, The. (See Clausing, George, assignor.)

Wachtel, Charles, New Hyde Park, assignor to Leo Schlesinger & Company, Inc., New York, N. Y. Electric bodolir lamp. 1,516,128; Nov. 18.

Wackerle, Lewis E., Jacksonville, Ill. Inductance coil for radiocommunication. 1,515,635; Nov. 18.

Wadsworth, Arthur W., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watch-case. 1,516,223; Nov. 18.

Wadsworth Watch Case Company, The. (See Wadsworth, Arthur W., assignor.)

Wagner, Arthur B. (See Duncan, F. A., and Wagner.)

Wagner, Frank J., Shamrock, Okla. Fluid-measuring device. 1,515,672; Nov. 18.

Wagner, James, Jr., Cleveland, Ohio. Metal-cutting tool. 1,515,616; Nov. 18.

Walden Knife Company. (See Henry, Ferdinand G., assignor.)

Wallerstein, Leo, New York, N. Y., assignor to Gasoline Recovery Corporation, Process and apparatus for recovering gasoline from natural gas. 1,516,166; Nov. 18.

Walrond, Cecil B., Auckland, New Zealand. Lace for boots, shoes, and other articles. 1,515,980; Nov. 18.

Walser, Henry J., assignor to The A & W Electric Sign Company, Cleveland, Ohio. Reflector. 1,515,897; Nov. 18.

Walton, Cecil E., Cincinnati, Ohio. Radio-inductance-coil mounting. 1,516,068; Nov. 18.

Walton, Hugh. (See Procter, E., and Walton.)

Ward, Frederick W., Montreal, assignor of one-half to N. Holland, Westmount, Quebec, Canada. Garment-cutting system. 1,516,224; Nov. 18.

Warfield, Lorenzo G., et al. (See Crowder, Frank D., assignor.)

Wason, Robert M., assignor to American Optical Company, Southbridge, Mass. Box. 1,515,638; Nov. 18.

Watkins, George E. (See Carter, J. T., and Watkins.)

Watson, Charles N., assignor of one-fourth to C. C. Wright, St. Joseph, Mo. Fastening device. 1,516,363; Nov. 18.

Watson, James, Toronto, Canada, assignor of one-half to E. Jones, Mount Dennis, Ontario, Canada. Piston. 1,515,802; Nov. 18.

Webb, Laura S., New York, N. Y. Portfolio. 1,515,639; Nov. 18.

Webb, William R., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacturing cellulose acetate. 1,516,225; Nov. 18.

Weber, Erich, Superior, Ariz. Ice making. 1,516,167; Nov. 18.

Weis, John P., Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation. Applying button and buttonhole facing strips to knit underwear. 1,516,256; Nov. 18.

Weeks, William M., Kealahou, Hawaii. Headlight dimmer. 1,516,364; Nov. 18.

Weglarz, Henry F. (See Gorman, J. P., and Weglarz.)

Welland, Alfred. (See Eckrode, C. E., Acken, and Welland.)

Welge, Didrik, Macon, Nev. Distribution box for electric circuits. 1,516,365; Nov. 18.

Welsh, Donald M. (See Lemieux, A. J., and Welsh.)

Wenk, Edwin O., Ann Arbor, Mich. Stock measuring and cutting-off machine. 1,516,168; Nov. 18.

Wernlund, Christian J., Tottenville, assignor to The Roessler & Hasselbacher Chemical Co., New York, N. Y. Mercury zinc anode for sulphate solutions. 1,515,712; Nov. 18.

West, Jack H., Waco, Tex., assignor of five per cent to O. K. Herndon, Kansas City, Mo. Air-cooling system. 1,515,898; Nov. 18.

Western Electric Company. (See Forsberg, Oscar F., assignor.)

Western Electric Company. (See Goodrum, Charles L., assignor.)

Western Electric Company. (See Goodrum, C. L., and Reynolds, assignors.)

Western Electric Company. (See Kuntz, Frank A., assignor.)

Western Electric Company. (See Taylor, Herbert B., assignor.)

Western Wheeled Scraper Company. (See Bressler, Robert E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Morgan, David W. R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Searing, Hudson R., assignor.)

Wheaton, Lewis W., assignor to Automatic Buffing Machine Co., Buffalo, N. Y. Buffing machine. 1,515,640; Nov. 18.

Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Pumping device for fuel feeding to internal-combustion engines. 1,515,981; Nov. 18.

Wheelock, John H., Hamilton, Wash. Saw jointer. 1,515,763; Nov. 18.

White, Charles E., Seattle, Wash. Pump. 1,516,032; Nov. 18.

White, Harry T., Dayton, Ohio. Chuck. 1,516,257; Nov. 18.

White, Henry W., New Orleans, La. Material for building construction. Re15,949; Nov. 18.

White, Morris, New York, N. Y. Leather. Des. 66,051; Nov. 18.

White, S. S., Dental Manufacturing Company, The. (See Davis, John B., assignor.)

Whitin Machine Works. (See Jolly, James, assignor.)

Whitney, Baxter D., & Son, Inc. (See Whitney, William M., assignor.)

Whitney, William M., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Drum-saw machine. 1,515,641; Nov. 18.

Whittemore, Herbert L., New York, N. Y., assignor to the Government of the United States. Beam. 1,516,480; Nov. 18.

Wickwire Spencer Steel Corporation. (See Hawthorne, Charles W., assignor.)

Wilkin, August, assignor of forty one-hundredths to R. Seddon, New York, N. Y. Gasket guard. 1,516,129; Nov. 18.

Wilhite, L. R., et al. (See Crowder, Frank D., assignor.)

Wilkes, John, Nashville, Tenn. Water-supply apparatus for railways. 1,516,258; Nov. 18.

Wilkinson, George D., and A. F. Harter, Oak Park, assignors to Cribben & Sexton Company, Chicago, Ill. Flue connection. 1,516,169; Nov. 18.

Willard, Robert C., Birmingham, England. Windscreens for road vehicles. 1,515,982; Nov. 18.

Willey, Vanden J., Memphis, Tenn., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,516,033; Nov. 18.

Williams, Calvin D. (See Williams, C. R., Wygant, and Williams.)

Williams, Charles R., R. Wygant, and C. D. Williams, Mora, Minn. Work-holding stand. 1,516,366; Nov. 18.

Williams, Eli P., McPherson, Kans. Box blank and box made therefrom. 1,515,983; Nov. 18.

Williams, Horace G., Chicago, Ill. Gauge cock. 1,516,367; Nov. 18.

Williams, Stanley C., Hartford, Conn. Switch. 1,515,713; Nov. 18.

Willis, Hugh H., Culpeper, Va. Crank. 1,515,984; Nov. 18.

Willis, Lewis C. (See Lofland, Alfred M., assignor.)

Williston, Belvin T., Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Valve. 1,516,034; Nov. 18.

Williston, Belvin T., Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Check valve. 1,516,368; Nov. 18.

Wilson-Jones Loose Leaf Company. (See Newman, George W., assignor.)

Wilson, Lustris S., Kingsport, Tenn. Transfer frame. 1,516,369; Nov. 18.

Winey, Arthur E. (See Blood, H. L., and Winey.)

Winkelmann, Herbert A., and H. Gray, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Age-resisting rubber composition and producing the same. 1,515,642; Nov. 18.

Wlrs, Edward J., Webster Groves, Mo. Gaskets. 1,516,130; Nov. 18.

Witherow Steel Company. (See Witherow, William P., assignor.)

ALPHABETICAL LIST OF PATENTEES.

- Wetherow, William P., Pittsburgh, assignor to Wetherow Steel Company, Neville Island, Pa. Die-rolled blank. 1,516,069; Nov. 18.
- Wilson, Elver J., Kansas City, Mo. Shower attachment. 1,516,226; Nov. 18.
- Wolf, Paul C., Elmhurst, N. Y. Roof scuttle. 1,515,637; Nov. 18.
- Wolfe, Harmon C., et al. (See Claire, Louis V., assignor.)
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewed buttonhole. 1,516,259; Nov. 18.
- Wood, Frank W., Montclair, N. J., assignor to Charles Cory & Son, Incorporated, New York, N. Y. Inclosed-diaphragm buzzer. 1,516,260; Nov. 18.
- Woodward, Harry P., and W. A. Lowery, assignors to The Motor Lock Co., Atlanta, Ga. Wheel lock. 1,516,418; Nov. 18.
- Woodward, Irving C., Syracuse, N. Y. Differential-gear-control mechanism. 1,515,916; Nov. 18.
- Woodworth, Leon B. (See Eldon-Dew, W., Pryce, and Woodworth.)
- Worthington Pump and Machinery Corporation. (See Haeblerlein, Max, assignor.)
- Wray, Edward H. (See Hagman, W. J., and Wray.)
- Wright, C. C. (See Watson, Charles N., assignor.)
- Wright, Rea P., Washington, D. C. Clothes wringer. 1,515,917; Nov. 18.
- Wright, Sumner B., East Orange, N. J., assignor to American Telephone and Telegraph Company. Transmission circuits. 1,515,643; Nov. 18.
- Wright, Thomas E., Jersey City, N. J. Centrifugal brake or speed control. 1,515,985; Nov. 18.
- Wright, Wallace C., Brookfield, N. H., and F. W. Merick, assignors to American Shoe Machinery Company, Boston, Mass. Automatic feeding apparatus. 1,515,986; Nov. 18.
- Wussow, August F., Chicago, Ill., assignor to Price Flavoring Extract Co. Making vanilla and other flavoring extracts. 1,515,714; Nov. 18.
- Wygant, Ralph. (See Williams, C. R., Wygant, and Williams.)
- Wyld, James, Queen's Island, Belfast, assignor to Harland and Wolff, Limited, Belfast, Ireland. Electrical igniter. 1,515,644; Nov. 18.
- Wylie, Thomas B. (See Armstrong, J. R., and Wylie.)
- Yablick, Max, Newark, N. J. Valve. 1,515,945; Nov. 18.
- Yates, Joseph M., assignor to Hancock Manufacturing Company, Charlotte, Mich. Handle for motor-vehicle doors and the like. Des. 66,052; Nov. 18.
- Yerges, Frank L., assignor of one-tenth to H. Zimmerman, Fremont, Ohio. Buffer. 1,515,818; Nov. 18.
- Yingling, Frank B., Hamilton, Ohio. Automatic tile press. 1,515,918; Nov. 18.
- Young, Harry C., St. Louis, Mo. Fungicide and insecticide. 1,515,803; Nov. 18.
- Young, L. A., Industries, Inc. (See Holtfoth, Joachim T., assignor.)
- Young, L. A., Industries, Incorporated. (See Van Hove, Desire H., assignor.)
- Young, Peter M., Los Angeles, Calif. Conveyor or elevator. 1,516,170; Nov. 18.
- Youngquist, Arvid C., Chicago, Ill. Eyeshield. 1,516,261; Nov. 18.
- Zarlengo, Francis, Wooster, Ohio. Detachable rim for auto tires. 1,516,370; Nov. 18.
- Zellstoffabrik Waldhof. (See Clemm, Hans, assignor.)
- Zgol, Frank, Sandoval, Ill. Pick. 1,515,715; Nov. 18.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car of the convertible type. 1,515,899; Nov. 18.
- Zimmerman, Harry. (See Yerges, Frank L., assignor.)
- Zimmerschied, Karl W., New Rochelle, N. Y., assignor to General Motors Corporation, Detroit, Mich. Steel. 1,516,262; Nov. 18.
- Zollinger & Schroth, Inc. (See Brink, J. B., and Buss, assignors.)
- Zoreczky, Joseph, Bethlehem, Pa. Slub catcher. 1,515,646; Nov. 18.
- Zublin, John A., Los Angeles, Calif. Rotary well drill. 1,515,819; Nov. 18.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, releases, and designs.

- Abrading cylinder. P. A. Solem. 1,515,892; Nov. 18.
- Accelerator-pedal control. J. W. Dutton. 1,515,847; Nov. 18.
- Accumulator plate. L. de M. Cattley. 1,516,373; Nov. 18.
- Acetylene Chlorinating. K. Roka. 1,516,350; Nov. 18.
- Acid and the heat of the waste gas from cellulose boilers, Regenerating sulphurous. H. Clemm. 1,515,656; Nov. 18.
- Aeroplane propeller. H. Stesholtz. 1,515,796; Nov. 18.
- Air-brake and safety car-control apparatus. J. M. Dapron. 1,515,842; Nov. 18.
- Air-brake and safety car-control mechanism. J. M. Dapron. 1,515,841; Nov. 18.
- Air-cleaning material and making the same. C. P. Hegan. 1,515,949; Nov. 18.
- Air-cooling system. J. H. West. 1,515,898; Nov. 18.
- Aircraft. D. W. Huntington, Jr. 1,516,295; Nov. 18.
- Aircraft. Control of. O. H. D. Vickers and M. K. Ingoldby. 1,516,164; Nov. 18.
- Airplane. J. Tuscher. 1,516,221; Nov. 18.
- Airplane undercarriage. B. D. Thomas. 1,516,357; Nov. 18.
- Air preheater, Regenerative. F. Ljungstrom and N. F. F. Andersson. 1,516,108; Nov. 18.
- Air spiral. F. Pardee. 1,515,965; Nov. 18.
- Alarm: See—
- Fire alarm.
- Alarm mechanism. A. G. Pappadakis. 1,515,788; Nov. 18.
- Alarms, Circuit closer for burglar. L. S. Stankiewicz. 1,516,216; Nov. 18.
- Aluminum, Coating. T. C. Cole. 1,515,658; Nov. 18.
- Amplifier. J. T. Rhamstine. 1,516,060; Nov. 18.
- Ampul. S. A. Morton. 1,516,454; Nov. 18.
- Anchorage device. R. S. Peirce. 1,516,242; Nov. 18.
- Animal trap. N. Calbeck. 1,515,590; Nov. 18.
- Animal trap. S. Kruszynski. 1,516,338; Nov. 18.
- Animal trap. O. Nebel. 1,516,201; Nov. 18.
- Annealing box. P. E. Hunter. 1,516,014; Nov. 18.
- Annular articles, Apparatus for gauging. F. J. Shook. 1,515,627; Nov. 18.
- Antiskid chain for automobiles. C. O. Hedstrom. 1,515,679; Nov. 18.
- Antiskid device for automobiles and other vehicles. E. W. Saunders. 1,516,211; Nov. 18.
- Arch support. B. Ross. 1,516,248; Nov. 18.
- Article holder. H. R. Selby. 1,516,126; Nov. 18.
- Arylhydroxynaphthylketone and making same. G. de Montmollin and G. Bonhôte. 1,516,376; Nov. 18.
- Ash receptacle. J. A. Green. 1,516,183; Nov. 18.
- Asphalt heater. J. H. Bledsoe. 1,516,141; Nov. 18.
- Athletic fields, Device for marking. M. Allison. 1,515,987; Nov. 18.
- Auriscopes. O. Greenwald. 1,515,771; Nov. 18.
- Autographic register. M. C. Stern and H. E. Neth. 1,515,629; Nov. 18.
- Automatic control. C. T. Ordway. 1,516,402; Nov. 18.
- Automatic exchange, Private. W. A. Chapin. 1,515,837; Nov. 18.
- Automatic reel. B. P. Mettras. 1,515,960; Nov. 18.
- Automobile. C. R. Roche. 1,515,815; Nov. 18.
- Automobile brake. S. Kunno. 1,516,361; Nov. 18.
- Automobile bumper. J. H. Sager. 1,516,461; Nov. 18.
- Automobile bumper. R. Séguin. 1,516,410; Nov. 18.
- Automobile chain. E. E. Govin. 1,515,675; Nov. 18.
- Automobile fender guard. O. H. Goetz. 1,515,734; Nov. 18.
- Automobile ignition-switch lock. J. B. Albert. 1,515,764; Nov. 18.
- Automobile lock. C. L. Randolph. 1,515,752; Nov. 18.
- Automobile lubricating device. C. Rumohr. 1,516,062; Nov. 18.
- Automobile radiator. G. H. Dein. 1,515,934; Nov. 18.
- Automobile radiator-cap ornament. M. T. Clark. Des. 65,996; Nov. 18.
- Automobile radiator shield. J. G. Tubbs. 1,515,979; Nov. 18.
- Automobile repair stand. E. Graham. 1,516,041; Nov. 18.
- Automobile running-board footlight. J. R. Ayotte. 1,515,717; Nov. 18.
- Automobile signal. C. Hoffman. 1,516,433; Nov. 18.
- Automobile steering wheels, Locking means for. H. C. Eckenrood. 1,515,809; Nov. 18.
- Automobile windshield. A. C. Lillie. 1,515,957; Nov. 18.
- Automobiles, Combined fender and bumper for. W. A. Thum. 1,516,253; Nov. 18.
- Automobiles, Convertible bed, table, and luggage carrier for. I. E. Hoogner. 1,516,434; Nov. 18.
- Automobiles, etc., Wheel for. I. L. Edwards. 1,515,940; Nov. 18.
- Automobiles, Gasoline control for. W. A. Garlick. 1,516,040; Nov. 18.
- Automobiles, Sliding-curtain-carrying attachment for. J. E. Smith. 1,516,411; Nov. 18.
- Automobiles, Suspension for. W. L. Adams. 1,515,716; Nov. 18.
- Ax, Folding. I. C. Love. 1,515,688; Nov. 18.
- Axle housing. F. C. Burkhardt. 1,516,148; Nov. 18.
- Babbitt machine. C. W. Eggenweiler. 1,516,089; Nov. 18.
- Baby tender. A. C. Beaucondray. 1,516,322; Nov. 18.
- Badge. J. M. Garnsey. Des. 66,003; Nov. 18.
- Bag holder. E. Kibler. 1,516,299; Nov. 18.
- Bag holder. D. McKenzie. 1,516,451; Nov. 18.
- Bailer top. L. D. Todd. 1,516,416; Nov. 18.
- Bar: See—
- Installing bar.
- Barber's stand. G. Ganallia. Des. 66,002; Nov. 18.
- Barrel, Sectional. A. W. Loveys. 1,515,782; Nov. 18.
- Basket, Floral. R. Nishiyama and K. Suzuki. 1,515,787; Nov. 18.
- Bathing cap. G. Eaton. 1,516,380; Nov. 18.
- Battery: See—
- Electric battery.
- Battery handles, Ophthalmoscope connection for dry. W. N. Allyn. 1,516,133; Nov. 18.
- Beam. H. L. Whittemore. 1,516,480; Nov. 18.
- Bearing for metal-working machines, Spindle. F. S. Jones. 1,515,683; Nov. 18.
- Bearing-sleeve remover. A. J. Hebert. 1,516,189; Nov. 18.
- Bearings, Puller device for. C. Iverson. 1,516,298; Nov. 18.
- Bed for touring-car bodies. J. R. Montgomery. 1,516,235; Nov. 18.
- Belts, Driving pulley for endless flexible track. A. Kégresse. 1,516,386; Nov. 18.
- Revel tractor. F. E. Godfrey. 1,516,298; Nov. 18.
- Beverage-dispensing device. F. W. and C. L. Holderle. 1,516,190; Nov. 18.
- Bicycles, motor cycles, and such like vehicles, Bearing support with bolting bars or pins for. G. Dahlhaus. 1,515,767; Nov. 18.
- Binder and its manufacture, Loose-leaf. C. D. Trussell. 1,515,710; Nov. 18.
- Binder, Loose-leaf-record. G. W. Newman. 1,516,114; Nov. 18.
- Bird house. A. C. Erickson. 1,516,381; Nov. 18.
- Bit: See—
- Rotary bit.
- Blinds, Machine for weaving slat. J. Friend. 1,515,595; Nov. 18.
- Bobbin and producing the same, Filled. M. Curry. 1,516,002; Nov. 18.
- Bobbin stripper. G. J. Pfeiffer. 1,515,880; Nov. 18.
- Body construction and toe-board bracket. J. McGlashan and W. Mayes. 1,516,020; Nov. 18.
- Boiler: See—
- Ham boiler.
- Boiler economizers from exterior corrosion, Method of and apparatus for protecting. D. S. Jacobus. 1,516,341; Nov. 18.
- Boilers, Soot blower for. W. F. Keenan, Jr. 1,516,017; Nov. 18.
- Boll-weevil destroyer. S. D. Redwine. 1,515,699; Nov. 18.
- Bolts, Making stay. J. A. Fraunheim. 1,516,007; Nov. 18.
- Bomb. F. Short. 1,515,705; Nov. 18.
- Book, Memorandum. G. W. Newman. 1,516,115; Nov. 18.
- Bookstack. H. P. and A. S. Macdonald. 1,516,022; Nov. 18.
- Books and the like, Binding means for. C. F. McBee. 1,516,109; Nov. 18.
- Bore gauge. O. Schlaupitz. 1,516,124; Nov. 18.
- Bowling pin. A. J. Lemieux and D. M. Welsh. 1,516,154; Nov. 18.
- Bowling pin. J. O. Miller. 1,515,606; Nov. 18.
- Box: See—
- Annealing box. Sewing box.
- Display box. Stuffing box.
- Paint box.

Box. R. M. Wason. 1,515,035; Nov. 18.
 Box blank and box made therefrom. E. P. Williams. 1,515,983; Nov. 18.
 Box-making machine. C. H. Von Glahn. 1,516,165; Nov. 18.
 Box or similar articles. Covering for a. C. L. Nelson. Des. 66,038; Nov. 18.
 Bracket: See—
 Lamp bracket.
 Braiding machine. D. H. Murphy. 1,515,608; Nov. 18.
 Brake: See—
 Automobile brake. Vehicle brake.
 Hand brake.
 Brake-actuating machine. R. E. C. Delevoe and E. A. F. Dumaine. 1,516,375; Nov. 18.
 Brake and jack. Combined emergency. J. Schubnel. 1,516,213; Nov. 18.
 Brake band. A. H. Sweet. 1,515,910; Nov. 18.
 Brake-band construction. G. R. Le Maire. 1,515,956; Nov. 18.
 Brake control. E. B. Mead. 1,515,604; Nov. 18.
 Brake or speed control. Centrifugal. T. E. Wright. 1,515,985; Nov. 18.
 Brassiere. H. Rothstein. 1,516,240; Nov. 18.
 Bread-baking pan and connecting and handling means for a plural assembly thereof. H. E. Kratzer. 1,516,232; Nov. 18.
 Brick into plurality of rows for unit formation. Apparatus for automatically switching. A. A. Scott. 1,516,409; Nov. 18.
 Brine tank. D. P. Heath. 1,515,736; Nov. 18.
 Broom. Push. H. D. Neff. 1,516,026; Nov. 18.
 Brush. Lather. A. Albright, Jr. Des. 65,990; Nov. 18.
 Brush. Midget automatic record. C. O. Huntington. 1,516,193; Nov. 18.
 Bucket. Grab. E. P. Healey. 1,515,856; Nov. 18.
 Buffer. F. L. Yerges. 1,515,818; Nov. 18.
 Bufling machine. L. W. Wheaton. 1,516,640; Nov. 18.
 Building construction. F. R. Hahn. 1,516,096; Nov. 18.
 Building construction material. H. W. White. Re-15,949; Nov. 18.
 Building element. H. Kollbrunner. 1,516,045; Nov. 18.
 Building formed of frames, sections, or elements. M. E. J. A. Cuypers. 1,516,084; Nov. 18.
 Building materials. Manufacturing. O. Brandenberger. 1,515,723; Nov. 18.
 Bumper. G. Geakumis. 1,516,273; Nov. 18.
 Burner: See—
 Oil burner. Oil or gas burner.
 Bushing liner. A. N. Pasman. 1,515,750; Nov. 18.
 Button. Nonfriction braider. J. F. Madden. 1,516,198; Nov. 18.
 Button or spring stud. Detachable snap. G. K. Smith. 1,515,974; Nov. 18.
 Button. Separable. C. C. Chappell. 1,515,997; Nov. 18.
 Buttonhole. Sewed. A. R. Wood. 1,516,250; Nov. 18.
 Cabinet. Album or book. A. E. B. Smith. 1,515,797; Nov. 18.
 Cabinet. Food-display. R. T. Palmenberg. 1,516,404; Nov. 18.
 Cabinet. Service. F. M. Barnes. 1,515,922; Nov. 18.
 Cabinet. Service. G. R. Crow. 1,516,150; Nov. 18.
 Cabinet. Smokers. F. J. Hollis and R. Boyd. 1,515,858; Nov. 18.
 Cable-retaining means. E. B. Nowosielski. 1,515,871; Nov. 18.
 Calculating machine. H. Huber. 1,516,436; Nov. 18.
 Calculating machines. Motor drive for. F. Rauchwetter. 1,515,966; Nov. 18.
 Calendar. L. Berkower. 1,515,718; Nov. 18.
 Calendar and bulletin. Combined. I. Leibowitz. 1,515,602; Nov. 18.
 Can covers. Attachment for. G. A. Clement. 1,516,334; Nov. 18.
 Can or box covers. Device for opening. A. R. Mann. 1,515,959; Nov. 18.
 Canning apparatus. A. Denis. 1,516,474; Nov. 18.
 Car-door lock. A. Stapley. 1,515,761; Nov. 18.
 Car. Dump. A. Campbell. 1,515,833; Nov. 18.
 Car. Hopper dump. A. Campbell. 1,515,835; Nov. 18.
 Car of the convertible type. Dump. A. E. Zimmer. 1,515,899; Nov. 18.
 Car. Railway. F. H. Hopkins. 1,515,598; Nov. 18.
 Car. Railway way construction and maintenance. R. E. Bressler. 1,515,827; Nov. 18.
 Car roof. C. D. Bonsall. 1,515,721; Nov. 18.
 Car wheel and hub cap therefor. F. B. Thomas. 1,516,066; Nov. 18.
 Cars. Air-hose coupling for. J. A. Sequin. 1,516,478; Nov. 18.
 Cars. Grain door for box. J. A. O'Rourke. 1,515,964; Nov. 18.
 Cap. S. H. Schneider and M. Fox. 1,516,284; Nov. 18.
 Carbonaceous material. Process and apparatus for separating. B. E. Eldred and R. N. Graham. 1,515,942; Nov. 18.
 Carburetor. D. Berthelot and H. Gullband. 1,515,992; Nov. 18.
 Carburetor. A. J. Hanskins. 1,516,276; Nov. 18.
 Carburetor control. W. J. Burchett. 1,515,830; Nov. 18.
 Card-fastening device. T. L. Richardson. 1,515,813; Nov. 18.
 Carriage cover holder. I. E. Cohn. 1,516,335; Nov. 18.
 Cart or toy runner. Scooter. Y. Kinoshita. 1,516,105; Nov. 18.

Carton. B. L. Gary and J. F. Meehan. 1,516,000; Nov. 18.
 Case: See—
 Coffee-display case. Vanity case.
 Cash registers. Key-locking device for. E. Ostmeier. 1,516,057; Nov. 18.
 Caster for stoves, etc. J. L. Robertson. 1,516,308; Nov. 18.
 Casting apparatus. Centrifugal. S. Junghans. 1,515,953; Nov. 18.
 Casting. Apparatus for. O. P. Loetscher. 1,516,049; Nov. 18.
 Casting lure. L. J. Eppinger. 1,515,840; Nov. 18.
 Ceiling. O. Hartmann. 1,515,677; Nov. 18.
 Cellulose acetate. Manufacturing. W. R. Webb. 1,516,225; Nov. 18.
 Centering device. P. Comeau. 1,516,420; Nov. 18.
 Charge-forming device. W. E. Kemp. 1,516,104; Nov. 18.
 Cherry pitter. A. E. Avery. 1,515,588; Nov. 18.
 Chlorides of ketones soluble by means of alkalies. Rendering. A. R. de Valna. 1,516,377; Nov. 18.
 Chuck. H. T. White. 1,516,257; Nov. 18.
 Chuck-operating means. J. J. Thacher. 1,516,162; Nov. 18.
 Cigar lighter. Electric. G. J. Vogel and D. Damberg. 1,516,255; Nov. 18.
 Cigarette and cigar. G. S. Micalizzi. 1,516,449; Nov. 18.
 Cinematograph film. G. G. Hegerman. 1,516,278; Nov. 18.
 Cinematograph process and film. G. G. Hegerman. 1,516,277; Nov. 18.
 Clamp: See—
 Nut clamp. Rail clamp.
 Cleaning and painting device. Combined. F. I. Jaden. 1,516,439; Nov. 18.
 Clip: See—
 Paper clip. Terminal clip.
 Clock case. W. Maler. Des. 66,031; Nov. 18.
 Closure. M. Lee. 1,516,046; Nov. 18.
 Cloth-laying machine. C. C. Schneider. 1,516,212; Nov. 18.
 Clothes drier. W. E. Gordon. 1,516,091; Nov. 18.
 Clothesline support. K. Ljostad and O. S. Johansen. 1,516,390; Nov. 18.
 Clothes wringer. R. P. Wright. 1,515,917; Nov. 18.
 Clutch. Fluid. J. E. Farrell, Jr. 1,516,005; Nov. 18.
 Clutch. Friction. E. A. Beyl. 1,516,138; Nov. 18.
 Clutch winch head. G. F. Le Bus. 1,515,779; Nov. 18.
 Coal. Apparatus and process for distillation of. A. S. Ramage. 1,516,406; Nov. 18.
 Coal-loading machine. J. W. Houghton and T. W. Mitchell. 1,516,435; Nov. 18.
 Coal with oil in water. Agglomerating the products and recovering the oil from products obtained by agitating pulverized. E. B. G. Bascon. 1,516,171; Nov. 18.
 Cocoa beans. Treating. J. A. Hall. 1,515,947; Nov. 18.
 Coding and decoding machine. A. Henkels. 1,515,680; Nov. 18.
 Coffee-display case. H. R. Bowe. 1,516,481; Nov. 18.
 Coffee urn. Electric condenser. G. A. Storey. 1,515,800; Nov. 18.
 Coiling machine. J. F. O'Connor. 1,515,874; Nov. 18.
 Colls. Holding device for. J. C. Catlett and E. F. Nelson. 1,516,331; Nov. 18.
 Collector and terminal block. Combined. E. B. Nowosielski. 1,515,872; Nov. 18.
 Combining machine. J. Jolly. 1,516,101; Nov. 18.
 Compression coupling. P. Mueller and A. C. Schuermann. 1,516,396-7; Nov. 18.
 Concrete building construction. F. G. Borg. 1,516,074; Nov. 18.
 Concrete mixer. Continuous automatic. M. F. Horat. 1,516,293; Nov. 18.
 Concrete mixers. Chute for. A. C. Menningen. 1,515,605; Nov. 18.
 Concrete structure. Reinforced. F. Nehmann. 1,516,239; Nov. 18.
 Condenser. Jet. D. W. R. Morgan. 1,516,236-7; Nov. 18.
 Confections. Display stand for. W. H. Malchic. Des. 66,030; Nov. 18.
 Container. W. L. Buedingen. 1,516,147; Nov. 18.
 Container. H. R. Hansen. 1,516,275; Nov. 18.
 Continuous furnace. J. W. Anderson. 1,515,586; Nov. 18.
 Controlling mechanism. B. L. Lemmer. 1,516,346; Nov. 18.
 Conveyor and chute. Spiral. L. E. Sekulski. 1,515,890; Nov. 18.
 Conveyor or elevator. P. M. Young. 1,516,170; Nov. 18.
 Conveyor. Roller. G. W. Curtis. 1,516,083; Nov. 18.
 Cooling apparatus. A. P. Grohens. 1,516,184; Nov. 18.
 Cord-band-building machine. F. H. Grove. 1,516,290; Nov. 18.
 Corn popper, nut roaster, and mixer. T. V. Barnard. 1,516,135; Nov. 18.
 Counter. Revolution. F. E. P. Uberroth and W. E. Pollin. 1,515,913; Nov. 18.
 Coupling: See—
 Compression coupling. Hose coupling.
 Coupling and brake mechanism. Trailer. L. S. Taylor. 1,515,893; Nov. 18.
 Coupling device for heavy loads. Articulated. I. Roy. 1,515,756; Nov. 18.
 Coupling pin. A. Pataky. 1,516,347; Nov. 18.

Cranes and the like. Automatic leveler for brick-setting. G. E. Luce. 1,515,783; Nov. 18.
 Crank. H. H. Willis. 1,515,984; Nov. 18.
 Crank-case oil gauge. J. W. Black. 1,516,139; Nov. 18.
 Crate. Collapsible. E. Slavkay. 1,516,352; Nov. 18.
 Crate. Collapsible. R. E. Van Ness. 1,516,361; Nov. 18.
 Cross-tie nipper. J. E. Busby. 1,516,329; Nov. 18.
 Cue pin game. D. H. Talbert. 1,516,252; Nov. 18.
 Curling the flanges of can ends and the like. Mechanism for. J. F. Peters. 1,515,095; Nov. 18.
 Curtain-rod bracket. A. Acker. Des. 65,988-9; Nov. 18.
 Cutter: See—
 Milling cutter. Vegetable cutter.
 Cutting machine. Ogee. J. C. Stutz. 1,516,353; Nov. 18.
 Cutting tool. Metal. J. Wagner, Jr. 1,515,836; Nov. 18.
 Damper-operating device. C. E. Spaulding. 1,516,414; Nov. 18.
 Dehydrator. F. L. Burrell. 1,515,925; Nov. 18.
 Dental use. Composition for. R. S. Black. 1,516,140; Nov. 18.
 Dentifrice. Gum. C. McDowell. 1,516,398; Nov. 18.
 Detachable connector. Quick. C. M. Shay. 1,515,891; Nov. 18.
 Detonator. Electric. H. L. Grant and A. Djidics. 1,516,009; Nov. 18.
 Dials. Mounting for calling. F. A. Kuntz. 1,515,686; Nov. 18.
 Diaphragm buzzer. Inclosed. F. W. Wood. 1,516,260; Nov. 18.
 Die and collet. Combination screw. M. I. Seller. 1,516,351; Nov. 18.
 Die-rolled blank. W. P. Witherow. 1,516,069; Nov. 18.
 Dish handler. M. Sarlabous and H. Fountain. 1,515,622; Nov. 18.
 Disk wheel. Double. A. M. Lofland. 1,516,048; Nov. 18.
 Display. H. H. Bliss. 1,516,264; Nov. 18.
 Display box. E. Lyons. 1,515,741; Nov. 18.
 Display case. J. Schwartz. Des. 66,044; Nov. 18.
 Display device. P. M. Southworth and G. Hornecker. 1,516,150; Nov. 18.
 Display device. H. K. Sturdy, Jr. 1,515,909; Nov. 18.
 Dividers. Self-adjusting bow. J. R. Engers. 1,515,943; Nov. 18.
 Door control. T. E. Potts. 1,516,348; Nov. 18.
 Door-knob. J. R. Dumont. 1,516,132; Nov. 18.
 Door-operating mechanism. A. Campbell. 1,515,832; Nov. 18.
 Door-operating mechanism. A. Campbell. 1,515,834; Nov. 18.
 Drier: See—
 Clothes drier.
 Drill: See—
 Well drill.
 Drill bits and the like. Heating rock. W. Elsdon-Dew, L. Pryce, and L. B. Woodworth. 1,515,593; Nov. 18.
 Drill retainer. G. M. Nell. 1,516,055; Nov. 18.
 Drilling and routing machine. W. S. Runnels. 1,515,620; Nov. 18.
 Drilling bit. Rotary. H. H. Holdaway and R. H. Chal-lacombe. 1,516,340; Nov. 18.
 Drilling machine. D. Blair. 1,515,924; Nov. 18.
 Dry cell. W. M. Turnley. 1,515,912; Nov. 18.
 Dry cell and making the same. Coated. H. F. French. 1,515,945; Nov. 18.
 Drying apparatus and process. G. A. Lough. 1,516,444; Nov. 18.
 Drying machine. F. L. Furbush. 1,515,671; Nov. 18.
 Drying machine. G. D. Harris. 1,515,596; Nov. 18.
 Dumb-walter. E. C. Evenson. 1,516,382; Nov. 18.
 Dynamo. Homopolar. G. S. Towar. 1,516,254; Nov. 18.
 Educational purposes. Apparatus for. A. L. Hamilton. 1,516,097; Nov. 18.
 Egg beater. J. Samuels. 1,516,210; Nov. 18.
 Electric and coal boiler. Combination. C. R. Kline. 1,515,954; Nov. 18.
 Electric battery. H. F. French and R. C. Benner. 1,515,652; Nov. 18.
 Electric chain-pull switch. H. L. Boggs. 1,516,144; Nov. 18.
 Electric circuits. Distribution box for. D. Welge. 1,516,365; Nov. 18.
 Electric conduits. Tool for connecting. M. Oeser. 1,515,748; Nov. 18.
 Electric droplight shade. H. P. Simonds. Re15,948; Nov. 18.
 Electric furnace. H. C. Reagan. 1,515,967; Nov. 18.
 Electric generator. G. H. Seftman. 1,515,971; Nov. 18.
 Electric machine. Dynamo. T. Schou and S. G. Vinson. 1,515,889; Nov. 18.
 Electric multiplying machine. J. W. Bryce. 1,515,995; Nov. 18.
 Electric switch. F. D. Crowder. 1,515,932; Nov. 18.
 Electric switch. G. A. Johnson. 1,516,440; Nov. 18.
 Electrical connector. A. Howard. 1,515,860; Nov. 18.
 Electrical heater. E. E. Clement. 1,515,729; Nov. 18.
 Electrical measuring instrument. C. E. Vawter. 1,515,634; Nov. 18.
 Electrical transformer system. F. Dessauer. Re15,951; Nov. 18.
 Electrodes in spark plug cores. Securing. O. C. Rohde. 1,515,884; Nov. 18.
 Electrolytic iron. Manufacture of. A. Bouchayer. 1,516,326; Nov. 18.
 Elevator. dredger, excavator, and the like. G. Handley. 1,516,428; Nov. 18.

Elevator shafts. Closing doors for. A. Rush. 1,515,021; Nov. 18.
 Elevators. Safety device for. W. Edwards. 1,516,177; Nov. 18.
 End gate. J. W. Regnary. 1,516,118; Nov. 18.
 End gate. Convertible. U. G. Shipman. 1,515,626; Nov. 18.
 Engine: See—
 Gas engine. Internal-combustion engine.
 Engine. A. L. Powell. 1,516,457; Nov. 18.
 Engines. Automatically-controlled cooling system for internal-combustion. K. R. Manville. 1,515,742; Nov. 18.
 Engines. Cylinder end or cover for internal-combustion. J. C. M. MacLagan. 1,516,447; Nov. 18.
 Engines. Fuel-regulating device for internal-combustion. J. E. Knapp. 1,516,019; Nov. 18.
 Engines. Gas-mixing device for combustion. W. F. Klein and W. A. Thum. 1,515,902; Nov. 18.
 Engines. Ignition timer for internal-combustion. B. L. Trombley. 1,516,417; Nov. 18.
 Engines. Interrupter for use in electric ignition systems of internal-combustion. J. Higginson. 1,516,431; Nov. 18.
 Engines. Lock and fuel saver for explosion. M. Fisher. 1,516,282; Nov. 18.
 Engines. Lubrication system for internal-combustion. F. M. King. 1,516,044; Nov. 18.
 Engines. Pumping device for fuel feeding to internal-combustion. L. H. Wheeler. 1,515,981; Nov. 18.
 Engines. Valve-operating device for internal-combustion. W. Falwell. 1,516,178; Nov. 18.
 Engines. Water system for internal-combustion. A. M. Porter. 1,516,058; Nov. 18.
 Envelope opener and finger-nail cleaner. F. W. Joell. 1,515,952; Nov. 18.
 Eye protector. H. T. Reeve. 1,515,701; Nov. 18.
 Eyesield. A. C. Youngquist. 1,516,261; Nov. 18.
 Exerciser and reducer. E. W. Knowles. 1,516,344; Nov. 18.
 Expansion joint. W. H. Phillips. 1,515,613; Nov. 18.
 Extractor. C. A. Perry. 1,516,116; Nov. 18.
 Extractors. Waste-preventing chute for centrifugal. V. E. Adland. 1,516,131; Nov. 18.
 Fabric: See—
 Pile fabric. Spinning or twisting frame.
 Fabric and making same. Unwoven. R. B. Respass. 1,515,792; Nov. 18.
 Fabrics. Ornamenting. E. I. Golding. 1,516,274; Nov. 18.
 Fall-leaf table. G. E. Bliton. 1,516,323; Nov. 18.
 Fan and heater. Combination. E. P. Cole. 1,515,731; Nov. 18.
 Fastener. R. C. Fritz and C. E. England. 1,516,286; Nov. 18.
 Fastener. A. Schvarcz. 1,516,462; Nov. 18.
 Fastening device. C. N. Watson. 1,516,363; Nov. 18.
 Faucet. Dispensing. W. N. Damon. 1,515,768; Nov. 18.
 Feed conduit. R. Hellmann. 1,516,279; Nov. 18.
 Feeding apparatus. Adjustable. E. G. Goben. 1,515,770; Nov. 18.
 Feeding apparatus. Automatic. W. C. Wright and F. W. Merrick. 1,515,986; Nov. 18.
 Fencepost. H. L. Ferris. 1,516,179; Nov. 18.
 Filaments. Production of artificial. L. A. Levy. 1,516,194; Nov. 18.
 Filing cabinets. Brace for supporting crossbars of. F. A. Schmitz. 1,516,156; Nov. 18.
 Filter-press screen. A. T. Stuart. 1,516,463; Nov. 18.
 Fingerprint machine. F. J. Rooney. 1,516,119-20; Nov. 18.
 Finger ring. E. J. Gross. Des. 66,004; Nov. 18.
 Fire alarm. C. De Roos. 1,515,936; Nov. 18.
 Firearms. Implement for scoring rifled. F. R. Inskip. 1,516,438; Nov. 18.
 Fishing device. F. E. Cox and C. C. Post. 1,516,174; Nov. 18.
 Flash evaporator. L. E. Sebald. 1,516,314; Nov. 18.
 Flasks. Parting material for molding. E. F. Moldenhauer and L. M. Bickett. 1,516,113; Nov. 18.
 Flatiron. Gas-heated. H. A. Paquette. 1,515,693; Nov. 18.
 Fleshing machine. M. Canter. 1,515,836; Nov. 18.
 Flue connection. G. D. Wilkinson and A. F. Harter. 1,516,169; Nov. 18.
 Fluid-controlling device. E. J. De Ville. 1,515,843; Nov. 18.
 Flushing device. A. P. Ludwig. 1,516,391; Nov. 18.
 Flushing mechanism. T. Hughes. 1,516,043; Nov. 18.
 Fly shield for horses. Nose. W. D. Nelson. 1,516,202; Nov. 18.
 Foot treatment. Fulcrum block for. G. C. Taplin. 1,516,464; Nov. 18.
 Frame: See—
 Transfer frame.
 Frame suspension. L. R. Gruss. 1,516,092; Nov. 18.
 Friction-distributing let-off. J. B. Brink and E. H. Buss. 1,515,725; Nov. 18.
 Fruit-trimming machine. F. C. Monks. 1,515,607; Nov. 18.
 Fuel. Regulation of combustion of pulverized. T. A. Peebles. 1,516,456; Nov. 18.

Fungicide and insecticide. H. C. Young. 1,515,803; Nov. 18.
 Furnace: See—
 Continuous furnace. Heating furnace.
 Electric furnace. Liquid-fuel furnace.
 Furnace. W. M. Duncan. 1,515,846; Nov. 18.
 Furnace and method of controlling the draft therein. W. M. Duncan. 1,516,339; Nov. 18.
 Furnace for sheet mills, Rotary pair. H. W. Irwin. 1,516,296; Nov. 18.
 Furnaces, Regulating combustion in. R. R. Donaldson, Jr. 1,516,424; Nov. 18.
 Fuse for projectiles. M. W. Fischer. 1,515,668; Nov. 18.
 Galvanizing apparatus. J. C. Searles. 1,516,122; Nov. 18.
 Game frames, Handgrip for. W. F. Reach. 1,515,753; Nov. 18.
 Game table. F. A. Duncan and A. B. Wagner. 1,515,504; Nov. 18.
 Garbage receptacle. F. H. Kuhn. 1,515,601; Nov. 18.
 Garment, Apparel. W. Kops. 1,516,345; Nov. 18.
 Garment-cutting system. F. W. Ward. 1,516,224; Nov. 18.
 Garment support. J. Kornas. 1,515,600; Nov. 18.
 Gas-absorbing apparatus. V. E. Hanson. 1,516,187; Nov. 18.
 Gas engine. J. H. Giles. 1,515,946; Nov. 18.
 Gas heater. J. T. Flower, Jr. and P. A. Smith. 1,515,944; Nov. 18.
 Gasket. E. J. Wirts. 1,516,130; Nov. 18.
 Gasket guard. A. Wiking. 1,516,129; Nov. 18.
 Gasoline from natural gas. Process and apparatus for recovering. L. Wallerstein. 1,516,166; Nov. 18.
 Gate: See—
 End gate.
 Gauge: See—
 Bore gauge. Pressure and vacuum gauge.
 Crank-case oil gauge. Surface gauge.
 Liquid-level gauge.
 Gauge. B. H. Blood. 1,516,142; Nov. 18.
 Gauge cock. H. G. Williams. 1,516,367; Nov. 18.
 Gauging and assorting machine. O. Schlaupitz. 1,516,123; Nov. 18.
 Gear-control mechanism, Differential. I. C. Woodward. 1,515,916; Nov. 18.
 Gear, Draft. W. H. Cotton. 1,515,840; Nov. 18.
 Gear-hobbling machines, Lost-motion-compensating means for. J. K. Schofield. 1,516,477; Nov. 18.
 Gear, Progressive change-speed. C. Amedee-Mannheim. 1,516,070; Nov. 18.
 Generator: See—
 Electric generator.
 Glands, separated from the organism, a relatively large quantity of active substances, imparting to internally-secreting. L. Stern and F. B. Battelli. 1,515,976; Nov. 18.
 Glare screen. O. F. Brinkman. 1,515,805; Nov. 18.
 Glass, Apparatus for forming articles of. W. J. Miller. 1,515,862; Nov. 18.
 Glass containers, Manufacture of. J. F. Rule. 1,515,885; Nov. 18.
 Glass-drawing bait and holder for glass-drawing machines used in processes of drawing glass. H. Bazin. 1,516,136; Nov. 18.
 Glass machine, Sheet. P. M. Sellers. 1,515,625; Nov. 18.
 Glass, Method and apparatus for delivering viscous. O. M. Tucker and W. A. Reeves. 1,516,220; Nov. 18.
 Glass sponge and making same. A. E. Bertelson. 1,515,653; Nov. 18.
 Glassware, Machine for finishing. A. J. Sanford and J. B. Townsend. 1,515,793; Nov. 18.
 Grain separator and cleaner. H. Krussow. 1,515,776; Nov. 18.
 Gravel separator. C. N. Olsen. 1,516,204; Nov. 18.
 Grinding machine. J. Keller. 1,516,103; Nov. 18.
 Grinding mill. T. E. Burner. 1,515,654; Nov. 18.
 Grinding or disintegrating and mixing machine. J. W. Spensley. 1,515,798; Nov. 18.
 Gun, Pneumatic. B. A. Kraft. 1,516,483; Nov. 18.
 Guns, Storing and transporting grease to grease. H. E. Elrod. 1,516,426; Nov. 18.
 Hair in its dressed condition, Compound for retaining. W. C. Foth. 1,515,854; Nov. 18.
 Ham boiler. F. E. Hoddersen-Balling. 1,516,383; Nov. 18.
 Ham cooker. F. E. Hoddersen-Balling. 1,516,280; Nov. 18.
 Hammer. J. W. Stolle. 1,515,708; Nov. 18.
 Hammer attachment. A. Sperl. 1,515,628; Nov. 18.
 Hand bag, Woman's. E. L. De Pedro. Des. 66,000; Nov. 18.
 Hand brake. S. B. Haseltine. 1,515,855; Nov. 18.
 Hand brake. J. F. O'Connor. 1,515,877; Nov. 18.
 Handle: See—
 Regulator handle.
 Hanger: See—
 Hat hanger. Tire hanger.
 Hardness-testing machine. S. P. Rockwell. 1,516,207-8; Nov. 18.
 Harvester, Beet. P. Boor. 1,516,037; Nov. 18.
 Hat hanger. E. F. Meyer. 1,516,024; Nov. 18.
 Haystacker. J. S. Lewis. 1,516,302; Nov. 18.
 Headlight, Automobile. R. I. McNaughton. 1,516,400; Nov. 18.

Headlight construction, Dirigible. J. T. Carter and G. E. Watkins. 1,515,655; Nov. 18.
 Headlight dimmer. W. M. Weeks. 1,516,364; Nov. 18.
 Headlight, Dirigible. C. F. Bohne and D. R. Bentz. 1,516,325; Nov. 18.
 Headlight for automobiles, Dirigible. L. R. K. Tallafiero. 1,515,978; Nov. 18.
 Headlight reflector. L. Dufek. 1,516,379; Nov. 18.
 Heat generation and control, Method and apparatus for. R. W. E. Leach. 1,515,778; Nov. 18.
 Heater: See—
 Asphalt heater. Gas heater.
 Electrical heater. Water heater.
 Heater. E. P. Cole. 1,515,730; Nov. 18.
 Heater. W. Kennedy. Des. 66,008; Nov. 18.
 Heater. J. E. McMillan. Des. 66,087; Nov. 18.
 Heating apparatus. L. B. de Laitte. 1,516,087; Nov. 18.
 Heating device, Thermostatically-controlled electric. S. A. Oakley. 1,516,203; Nov. 18.
 Heating furnace, Continuous. J. F. Ferm. 1,515,851-2; Nov. 18.
 Heel, Detachable shoe. S. Swetozoff. 1,516,355; Nov. 18.
 Heel for shoes. R. R. Kamada. 1,516,384; Nov. 18.
 Helicopter. W. A. Clark. 1,516,001; Nov. 18.
 Hide-stretching apparatus. A. I. Snow. 1,516,413; Nov. 18.
 Hinge. C. S. Butterfield. 1,516,330; Nov. 18.
 Hinge. J. Davidson. 1,516,086; Nov. 18.
 Hook: See—
 Stocking hook.
 Hook and eye and tape containing such hooks and eyes. N. Solow. 1,515,708; Nov. 18.
 Hopper for cows. N. C. Simonsen. 1,515,973; Nov. 18.
 Horn, Electric sound-producing. W. A. Crosbee. 1,515,931; Nov. 18.
 Hose coupling, Gasoline. J. K. Neuschel. 1,516,452; Nov. 18.
 Hosery, Manufacturer of pockets or caps in articles of. H. E. Esche. 1,575,667; Nov. 18.
 Husking machine, Corn. F. E. Tucker. 1,516,067; Nov. 18.
 Hydraulic main of a gas plant, Dip-pipe construction for the. P. J. Hillard. 1,516,432; Nov. 18.
 Hydrodrome. F. W. Baldwin. 1,515,649; Nov. 18.
 Ice making. E. Weber. 1,516,167; Nov. 18.
 Igniter, Electrical. J. Wyld. 1,515,644; Nov. 18.
 Incubator, Automatic. J. Perrot. 1,516,470; Nov. 18.
 Indicator: See—
 Relay indicator. Temperature and water indicator.
 Station and information indicator. Traffic indicator.
 Indicator. J. D. Mulvehill. 1,516,304; Nov. 18.
 Indophenolic bodies, Manufacture of. F. D. Miles. 1,516,450; Nov. 18.
 Inflammable liquids stored in bulk from fire, Protecting. V. Sévian. 1,516,214; Nov. 18.
 Insect-catching and cotton-picking machine. G. Bohn. 1,515,826; Nov. 18.
 Installing bar. W. H. Hubbard. 1,516,100; Nov. 18.
 Instantaneous switch. A. Lewerenz. 1,516,195; Nov. 18.
 Insulator, Suspension. F. Rohde and M. Schwinning. 1,515,755; Nov. 18.
 Insulators, Testing. G. W. Lapp. 1,515,864; Nov. 18.
 Interfolding machine. D. W. Hudson. 1,515,861; Nov. 18.
 Internal-combustion engine. S. Asser. 1,515,765; Nov. 18.
 Internal-combustion engine. E. R. Burnett. 1,515,926; Nov. 18.
 Internal-combustion engine. F. D. Crowder. 1,515,933; Nov. 18.
 Internal-combustion engine. E. T. Kershaw. 1,515,685; Nov. 18.
 Internal-combustion engine. P. Leow. 1,516,389; Nov. 18.
 Internal-combustion engine. J. C. M. MacLagan. 1,516,448; Nov. 18.
 Internal-combustion engine, Double-acting two-stroke-cycle. J. C. M. MacLagan. 1,516,446; Nov. 18.
 Internal-combustion engine, Two-stroke-cycle. J. C. M. MacLagan. 1,516,445; Nov. 18.
 Iron: See—
 Waffle iron.
 Iron, Hardening. D. M. Scott. 1,516,157; Nov. 18.
 Irrigation ditch. A. H. Stowell. 1,515,709; Nov. 18.
 Jig. A. C. Daman. 1,516,338; Nov. 18.
 Joint: See—
 Expansion joint. Universal joint.
 Tool joint.
 Keg, Metal. R. E. Blackford. 1,516,073; Nov. 18.
 Kiln drying, Method and apparatus for. M. L. Mueller. Des. 66,046; Nov. 18.
 Knife and pistol, Combined. L. E. Polhemus. 1,515,751; Nov. 18.
 Knitting machines, Feeding means for. F. E. Jones. 1,516,342; Nov. 18.
 Knitting machines, Take-off mechanism for full-fashioned. H. Janssen. 1,515,590; Nov. 18.
 Lace. T. Monk. Des. 66,036; Nov. 18.
 Lace. S. H. Page. Des. 66,040-2; Nov. 18.
 Lace for boots, shoes, and other articles. C. B. Walrond. 1,515,980; Nov. 18.

Lamp bracket. W. H. Rehorn, Jr. 1,516,306; Nov. 18.
 Lamp casing, Vehicle signal. F. H. Chan. Des. 65,995; Nov. 18.
 Lamp, Electric boudoir. C. Wachtel. 1,516,128; Nov. 18.
 Lamp, Faceplate for signal. N. T. Albright. Des. 65,991; Nov. 18.
 Lamp holder. E. E. Reuter. 1,516,307; Nov. 18.
 Lamp mounting. C. D. Seaman. 1,516,158; Nov. 18.
 Lamp shade. D. Macomber. 1,516,393; Nov. 18.
 Lamps, Framing device for spot flood. J. W. and K. Brenkert. 1,515,724; Nov. 18.
 Lamps, Housing for electric. F. B. Little. 1,516,234; Nov. 18.
 Last. G. Clausung. 1,516,333; Nov. 18.
 Lathe, Automatic. E. Buckingham. 1,516,146; Nov. 18.
 Lathe tool. A. D. Canner. 1,515,591; Nov. 18.
 Lathes, Plain relieving attachment for. A. B. Lindstrom. 1,516,190; Nov. 18.
 Laundering. R. A. Alrheart. 1,515,647; Nov. 18.
 Leather. M. White. Des. 66,051; Nov. 18.
 Leather by paint process, Imitating. E. Gage. 1,516,466; Nov. 18.
 Lens. H. H. Styl and E. D. Tillyer. 1,515,630; Nov. 18.
 Lens grinder. H. W. Hill. 1,515,681; Nov. 18.
 Lever attachment, Foot. A. C. Fredrickson. 1,516,008; Nov. 18.
 Lever lock, Automobile operating. G. H. Gray. 1,516,482; Nov. 18.
 Light source, Standard for a. C. A. B. Halvorsen, Jr. Des. 66,006; Nov. 18.
 Lighting fixture. M. Klein. Des. 66,019-25; Nov. 18.
 Lighting fixture. F. W. Mathien. 1,516,111; Nov. 18.
 Lighting-fixture bracket. M. Klein. Des. 66,026-7; Nov. 18.
 Lighting fixtures, Bracket for. G. E. Villaret. Des. 66,050; Nov. 18.
 Lighting fixtures, Husk for. L. Simon. Des. 66,046; Nov. 18.
 Lineman's platform. H. B. Bush. 1,515,831; Nov. 18.
 Liquid-fuel furnace. D. W. Chisholm. 1,516,332; Nov. 18.
 Liquid-level gauge. F. W. Springer. 1,516,160; Nov. 18.
 Liquid-treating apparatus. F. N. Moerk. 1,516,112; Nov. 18.
 Liquids, Purifying. A. C. Cumming. 1,516,337; Nov. 18.
 Liquids, Purifying. E. Ricard. 1,515,968; Nov. 18.
 Listing machine. F. M. Carroll. 1,516,070; Nov. 18.
 Livestock-warning device. R. E. L. Sneed. 1,516,412; Nov. 18.
 Lock: See—
 Automobile lock. Lever lock.
 Automobile ignition-switch. Nut lock.
 lock. Wheel lock.
 Car-door lock. Wheel-rim lock.
 Lock. H. Alvensleben. 1,515,919; Nov. 18.
 Lock washer. W. F. Evans. 1,516,271; Nov. 18.
 Locking device. J. B. O'Connor. 1,515,611-12; Nov. 18.
 Locking device. O. H. Sleeper. 1,516,028; Nov. 18.
 Locking handle with adjustable safety collar. L. W. Gates. 1,516,287; Nov. 18.
 Locomotive pilot beam. G. S. Chiles. 1,516,080; Nov. 18.
 Locomotives, Draft appliance for. D. M. Lewis. 1,516,047; Nov. 18.
 Looms, Geared head motion for. R. Laufer. 1,515,777; Nov. 18.
 Looms, Shuttle block for narrow-ware. E. R. Holmes. 1,515,859; Nov. 18.
 Looms, Temple thread cutter for. J. Northrop. 1,515,609; Nov. 18.
 Looms, Weft detector for. R. G. Turner. 1,515,896; Nov. 18.
 Looms, Whipstick for Axminster. E. E. Clark. 1,515,835; Nov. 18.
 Lubricants, Apparatus for testing. G. A. Ungar. 1,515,914; Nov. 18.
 Maggots, Insects, green berries, trash, and similar objects from blueberries, Removal of. C. H. Stephenson. 1,515,908; Nov. 18.
 Magnetic pulley. J. P. Bethke and G. H. Fobian. 1,515,719; Nov. 18.
 Magnetic screw driver. H. R. Hines. 1,516,042; Nov. 18.
 Magneto-drive attachment. G. A. Richroath. 1,516,247; Nov. 18.
 Manometer. H. Martin. 1,516,394; Nov. 18.
 Measuring device, Fluid. F. J. Wagner. 1,515,762; Nov. 18.
 Mercury zinc anode for sulphate solutions. C. J. Wernlund. 1,515,712; Nov. 18.
 Merry-go-round. J. F. Nagorski and D. F. Carse. 1,516,903; Nov. 18.
 Metal, Process and apparatus for making expanded. E. T. Redding. 1,516,059; Nov. 18.
 Metal sheets, Making rolled. J. C. Heyer. 1,516,098; Nov. 18.
 Metal-working machine. J. T. Holtfoth. 1,515,739; Nov. 18.
 Metallic surface, Manufacture of a light and resisting warpable. L. Breguet. 1,516,371; Nov. 18.
 Metallized products. W. F. Grupe. 1,515,876; Nov. 18.
 Meter tester. E. E. Norman. 1,515,746; Nov. 18.
 Meters, Integrating and registering device for fluid. J. R. Armstrong and T. B. Wylie. 1,515,988; Nov. 18.

Micrometer. G. A. Kellerstedt. 1,516,387; Nov. 18.
 Milking machine. J. J. Stampen. 1,515,707; Nov. 18.
 Mill: See—
 Grinding mill. Screening ball mill.
 Mill guide, Bar. J. W. Fleishour. 1,516,283; Nov. 18.
 Mills, Manipulator for rolling. R. D. Osgood. 1,516,205; Nov. 18.
 Milling cutter, Adjustable. J. C. Berg. 1,516,172; Nov. 18.
 Milling machine. A. Thomas. 1,516,219; Nov. 18.
 Mine shovel. R. S. Butler. Des. 66,050; Nov. 18.
 Mixer: See—
 Concrete mixer.
 Mixing and beating machine. H. Trust and F. M. Ashley. 1,515,633; Nov. 18.
 Mold: See—
 Tamping mold.
 Mortar or plaster, Apparatus for use in manufacturing. T. J. Sturtevant. 1,516,029; Nov. 18.
 Motor: See—
 Swimmer's motor. Wave motor.
 Motor attachment. B. J. Donada. 1,515,938; Nov. 18.
 Motor cycles, Back seat for. H. A. Driessen. 1,516,176; Nov. 18.
 Mousetrap. E. Scott. 1,516,312; Nov. 18.
 Mower, Lawn. A. B. Case. 1,516,419; Nov. 18.
 Nail and spike puller. M. C. Cordel. 1,516,421; Nov. 18.
 Nail-pulling device. E. Santarelli. 1,516,155; Nov. 18.
 Nailing machine. E. R. Pope. 1,515,697; Nov. 18.
 Necklace. M. A. Klein. Des. 66,009-18; Nov. 18.
 Neckties, Making. G. P. Gardner. 1,516,181; Nov. 18.
 Newspaper holder. T. Pelenk. 1,515,694; Nov. 18.
 Nozzle, Automatic ball spray. M. S. Dunkelberger. 1,515,664; Nov. 18.
 Nozzle, Gasoline filling. L. R. Dorris. 1,515,844; Nov. 18.
 Nut clamp, Radius-rod. L. D. Livingston. 1,515,781; Nov. 18.
 Nut lock. C. R. Cochran. 1,515,657; Nov. 18.
 Nuts, Grader or sorter for. P. H. Rylander. 1,515,757; Nov. 18.
 Oak, Bow-facing. R. H. Stobbe. 1,515,977; Nov. 18.
 Oil and water stratifying device. W. R. Allen, W. M. Marker, and F. Richmond. 1,516,132; Nov. 18.
 Oil burner. T. D. Brennan. 1,515,804; Nov. 18.
 Oil burner. E. Darby. 1,516,374; Nov. 18.
 Oil burner. C. A. Sawyer. 1,515,970; Nov. 18.
 Oil burner, Wickless. A. Stockstrom. 1,516,317; Nov. 18.
 Oil, Clarifying. P. P. Hindelang. 1,515,597; Nov. 18.
 Oil extracting machine, Starch and vegetable. R. Shorts. 1,516,215; Nov. 18.
 Oil measure, Slide-spout portable. H. G. Oulmet. 1,515,878; Nov. 18.
 Oil or gas burner. A. G. Schumann. 1,516,408; Nov. 18.
 Oils, Process of and apparatus for refining crude. C. L. Freeland. 1,516,285; Nov. 18.
 Oiling device for spring-leaf shackles. W. L. Paden. 1,515,879; Nov. 18.
 Ophthalmic mounting. J. H. Healey. 1,515,678; Nov. 18.
 Ophthalmic mounting. E. L. Schumacher and W. H. Boutelle. 1,515,624; Nov. 18.
 Ores containing slimes, Leaching of. T. J. Taplin, Jr. 1,516,356; Nov. 18.
 Ores, roaster-residue, slags, and the like, Preparation and smelting of. L. H. Diehl. 1,516,423; Nov. 18.
 Ores, Smelting. J. R. Steel. 1,515,906; Nov. 18.
 Ores, Smelting and reducing. J. R. Steel. 1,515,907; Nov. 18.
 Oscillation detector. A. W. Bowman. 1,515,994; Nov. 18.
 Oven, Coke. R. Cravau. 1,516,082; Nov. 18.
 Package, Skeln. M. M. Bernstein. 1,516,137; Nov. 18.
 Packages, Device for opening sealed. E. Panza. 1,516,455; Nov. 18.
 Packaging machine. C. Beckmann. 1,515,589; Nov. 18.
 Pad: See—
 Pressing pad.
 Pads of checks or the like, Making. J. F. Shoemaker. 1,515,972; Nov. 18.
 Padlock. W. G. Parmele. 1,515,789; Nov. 18.
 Paint box. C. E. Daniel. 1,516,175; Nov. 18.
 Paint, varnish, enamel, grease, etc., Composition for the removal of. F. P. Schmidt. 1,516,064; Nov. 18.
 Paper. R. L. Marwede. Des. 66,032-4; Nov. 18.
 Paper. T. L. Stone. Des. 66,048; Nov. 18.
 Paper clip. M. J. Hubeny and H. A. Frahm. 1,516,294; Nov. 18.
 Paper device, including its constituent blank, Folding. C. E. Hawhurst. 1,516,010; Nov. 18.
 Paper, Method and machine for drying. T. F. Pinder. 1,515,614; Nov. 18.
 Pedal mechanism, Controlling. W. T. Sears. 1,516,125; Nov. 18.
 Pencil, Lead. A. Pollak. 1,515,615; Nov. 18.
 Pencil, Magazine. H. E. Mabec. 1,516,392; Nov. 18.
 Phonographs, Automatic nonset stop for. L. Gantert. 1,516,769; Nov. 18.
 Photographic developer. N. Sulzberger. 1,516,161; Nov. 18.
 Photographs, etc., Mounting for. W. J. Helmquest. 1,515,901; Nov. 18.
 Photomechanical process for producing bas-reliefs. F. H. Monteath. 1,516,190; Nov. 18.

Piano bench and hardware. J. L. Dulin. 1,515,845; Nov. 18.
 Piano-player music and machine for producing same. R. Reynolds. 1,516,459; Nov. 18.
 Pick. F. Zsol. 1,515,715; Nov. 18.
 Pickers or openers, Feeding mechanism for. F. L. Fur-bush. 1,515,672; Nov. 18.
 Pickling liquors, Treating agent. E. P. Stevenson. 1,515,799; Nov. 18.
 Pile fabric. Woven. S. Kross. 1,516,441; Nov. 18.
 Pin: See—
 Bowling pin. Coupling pin.
 Pipe. J. W. Flower. 1,515,853; Nov. 18.
 Pipe lines, Electrically insulating pipe sections for high vacuum. W. Dillenbach. 1,516,422; Nov. 18.
 Pipes, Machine for bending. J. H. Taylor. 1,515,894; Nov. 18.
 Piston. J. Watson. 1,515,802; Nov. 18.
 Piston and ring therefor. J. E. Brownfield. 1,515,829; Nov. 18.
 Piston ring. J. E. Brownfield. 1,516,327; Nov. 18.
 Piston-ring-dressing machine. G. W. Olson. 1,516,056; Nov. 18.
 Plate trimmer, Curved. W. Burklin. 1,515,726; Nov. 18.
 Plow. J. Z. Graham. 1,516,289; Nov. 18.
 Plug, Attachment. G. B. Thomas. 1,516,415; Nov. 18.
 Plug, Compound. W. M. Cross. 1,515,061; Nov. 18.
 Pole strap. F. C. Holstein. 1,516,292; Nov. 18.
 Polish compound, Metal. E. E. Nelson. 1,515,870; Nov. 18.
 Polish, Metal. H. Hildenbrand. 1,515,950; Nov. 18.
 Pool-cleaning tool. W. J. Tideman. 1,516,359; Nov. 18.
 Portfolio. L. S. Webb. 1,515,639; Nov. 18.
 Poultry packing. G. F. Hinrichs. 1,516,012; Nov. 18.
 Powder puff. M. D. Lindon. 1,515,812; Nov. 18.
 Power controller. L. and F. Pignani. 1,515,696; Nov. 18.
 Press: See—
 Printing press. Tile press.
 Presses, Method of and apparatus for automatically stop-ping automatic. L. L. Jones. 1,515,774; Nov. 18.
 Pressing machine. D. H. Benjamin and J. P. McCarthy. 1,516,475; Nov. 18.
 Pressing pad. C. M. Gough. 1,516,182; Nov. 18.
 Pressure and vacuum gauge. E. R. Brokvist. 1,516,077; Nov. 18.
 Printing machine, Transfer. E. L. Mooney and Z. E. Russell. 1,516,200; Nov. 18.
 Printing press. C. R. Redner. 1,515,791; Nov. 18.
 Propeller, Boat. J. Loosen. 1,516,468; Nov. 18.
 Propeller drive. G. A. Lund. 1,515,784; Nov. 18.
 Puller: See—
 Nail and spike puller.
 Pump. W. R. De More. 1,515,662; Nov. 18.
 Pump. C. H. Fox. 1,516,006; Nov. 18.
 Pump. G. W. Leiman. 1,516,106-7; Nov. 18.
 Pump. J. A. Morgan. 1,516,053; Nov. 18.
 Pump. A. J. Ross. 1,515,703; Nov. 18.
 Pump. C. E. White. 1,516,032; Nov. 18.
 Pump diaphragm. E. C. Reybold. 1,515,702; Nov. 18.
 Pump, Multistage centrifugal. E. N. Mackley. 1,516,110; Nov. 18.
 Pump plunger. W. B. Robb and A. Hunter. 1,516,470; Nov. 18.
 Pump, Rotary. R. J. Meyer. 1,515,961; Nov. 18.
 Pump, Water. R. B. Strong. 1,516,479; Nov. 18.
 Push-button switch. S. S. Grady. 1,516,231; Nov. 18.
 Rack. A. Elsker. 1,516,281; Nov. 18.
 Radiator cover. R. L. Morrell. 1,515,963; Nov. 18.
 Radiator, Heating. F. C. Hunt. 1,515,773; Nov. 18.
 Radiator-soldering device. F. C. Burt. 1,515,806; Nov. 18.
 Radiocircuits, Detector for use in. C. J. Everett. 1,515,900; Nov. 18.
 Radiocommunication, Inductance coil for. L. E. Wacker-lic. 1,516,635; Nov. 18.
 Radioconsole. J. W. Lyons and J. B. Stewers. Des. 66,028; Nov. 18.
 Radio-inductance coil mounting. C. E. Walton. 1,516,068; Nov. 18.
 Radio loud speaker, Cabinet for. W. L. Eckhardt. Des. 66,001; Nov. 18.
 Radio-receiving-apparatus cabinet. C. A. Sieweck. Des. 66,045; Nov. 18.
 Radioteleggraphy. L. F. Fuller. 1,515,670; Nov. 18.
 Rail clamp, Guard. E. W. Caruthers and R. C. Paxson. 1,515,727; Nov. 18.
 Rail fastener. W. Dalton. 1,516,085; Nov. 18.
 Railway and tramway rails, Manufacture of. C. P. Sandberg. 1,516,407; Nov. 18.
 Railways, Water-supply device for. J. Wilkes. 1,516,258; Nov. 18.
 Rake. L. V. Claire. 1,515,927; Nov. 18.
 Rake. W. W. Laidley. 1,515,740; Nov. 18.
 Range and burner therefor. Gas. A. Stockstrom. 1,516,316; Nov. 18.
 Receptacle. W. D. Banes. 1,515,989; Nov. 18.
 Receptacle attachment. T. Bodde. 1,516,324; Nov. 18.
 Recoil absorber. W. E. Guest. 1,516,185; Nov. 18.
 Recorder, Production. M. J. Hoffman. 1,515,857; Nov. 18.
 Reel: See—
 Automatic reel.
 Refining material. R. Cross. 1,515,733; Nov. 18.
 Reflector. H. J. Walser. 1,515,807; Nov. 18.
 Refrigerating machine, Small. K. E. Humpoletz. 1,516,437; Nov. 18.
 Register: See—
 Autographic register.
 Regulator handle. A. F. Lickteig. 1,516,303; Nov. 18.
 Relay indicator. H. R. Searing. 1,516,313; Nov. 18.
 Repair unit, Portable. F. A. Valenta. 1,515,915; Nov. 18.
 Resilient wheel. G. B. Dickson. 1,516,378; Nov. 18.
 Reversing mechanism. F. H. Moyer. 1,515,809; Nov. 18.
 Rim fastener, Extension. D. R. Brighlin. 1,515,828; Nov. 18.
 Ring: See—
 Piston ring.
 Rod and tube friction pulling machine. W. G. Schroeder and C. I. Layton. 1,516,311; Nov. 18.
 Rollers, Snapping and husking. C. E. Dagel. 1,516,038; Nov. 18.
 Roof and shingle therefor. N. G. Olsson. 1,515,749; Nov. 18.
 Roof scuttle. P. C. Wolf. 1,515,637; Nov. 18.
 Roofing. R. P. Perry. 1,516,243; Nov. 18.
 Rope-releasing device, Trip. C. Johnson. 1,516,015; Nov. 18.
 Rubber composition and producing the same, Age-resist-ing. H. A. Winkelmann and H. Gray. 1,515,642; Nov. 18.
 Rug. B. L. McIntosh. Des. 66,035; Nov. 18.
 Safety holder. J. Adamich. 1,516,033; Nov. 18.
 Sall. F. A. Scammell. 1,516,063; Nov. 18.
 Sand-reel appliance. M. R. Pontius. 1,515,881; Nov. 18.
 Sanitary seat cover. H. E. Van Doren. 1,516,222; Nov. 18.
 Sanitary water-closet attachment. W. C. Ross. 1,515,700; Nov. 18.
 Saturated sheet material, Making. H. C. Avery. 1,515,821; Nov. 18.
 Saw jointer. J. H. Wheelock. 1,515,763; Nov. 18.
 Saw machine, Drum. W. M. Whitney. 1,515,641; Nov. 18.
 Saws, Method of and machine for filing gin. R. W. McLean. 1,516,052; Nov. 18.
 Sawing and trimming machine. W. S. Runnels. 1,515,619; Nov. 18.
 Scale. V. J. Willey. 1,516,033; Nov. 18.
 Scale construction. F. Plaas. 1,516,405; Nov. 18.
 Scale, Counting. J. Hopkinson. 1,516,013; Nov. 18.
 Scissors. W. C. Amy. 1,516,319; Nov. 18.
 Scrap metal, Method and apparatus for recovering. H. A. Poppenhusen. 1,515,616; Nov. 18.
 Screen: See—
 Filter-press screen. Window screen.
 Glare screen.
 Screening ball mill. J. Herman. 1,516,467; Nov. 18.
 Screw driver, Combination. E. M. Hill. 1,516,099; Nov. 18.
 Screw driver, Push. G. O. Leopold. 1,516,443; Nov. 18.
 Seat. W. F. Gubbins. 1,516,093; Nov. 18.
 Seat. G. E. Small. 1,515,760; Nov. 18.
 Separator: See—
 Gravel separator.
 Separator. H. W. Long. 1,515,865; Nov. 18.
 Settling table. E. Kallenbach. 1,516,016; Nov. 18.
 Sewage distributor. C. J. and J. W. Hartley. 1,516,429; Nov. 18.
 Sewing box. A. T. Nash. 1,516,401; Nov. 18.
 Sewing machine, Buttonhole. J. P. Ritchie. 1,515,754; Nov. 18.
 Sewing machines, Driving mechanism for the loop-taking hook in lockstitch. J. Cooper. 1,515,732; Nov. 18.
 Sewing machine, Embroidery attachment for. P. Corbin. 1,515,807; Nov. 18.
 Sewing machines, Tension-releasing mechanism for. A. F. Field. 1,516,272; Nov. 18.
 Shade bracket and shield, Window. C. H. Crane. 1,516,149; Nov. 18.
 Shade holder. R. B. Benjamin. 1,516,263; Nov. 18.
 Shaving and burnishing tool. A. E. Drisner. 1,516,269; Nov. 18.
 Shaving and burnishing tool, Combined. A. E. Drisner. 1,516,268; Nov. 18.
 Shells, Method and apparatus for unloading high-explo-sive. T. F. Knight. 1,516,343; Nov. 18.
 Shield, Thumb. S. M. Keck. 1,516,385; Nov. 18.
 Shingle strips, Cutting. C. W. Mortimer. 1,516,238; Nov. 18.
 Shingles in bundles, Forcing stain and the like into. E. R. Binford. 1,516,036; Nov. 18.
 Ship-propulsion means. L. E. and A. E. Edmunds. 1,516,270; Nov. 18.
 Shirt. J. Robinson. 1,515,814; Nov. 18.
 Shock absorber. C. E. Eckrode. T. L. Acken, and A. Welland. 1,516,004; Nov. 18.
 Shock absorber. J. B. Kirby. 1,515,862-3; Nov. 18.
 Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,515,610; Nov. 18.
 Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,516,747; Nov. 18.
 Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,515,873; Nov. 18.
 Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,515,875-6; Nov. 18.
 Shoe. T. Dennison and D. Kernohan. 1,516,465; Nov. 18.
 Shoe attachment. A. Miceli. 1,516,805; Nov. 18.

Shoe construction. J. D. Price and W. H. Drake. 1,516,305; Nov. 18.
 Shoemaker's stand. A. D'Armi. 1,515,808; Nov. 18.
 Shovel: See—
 Mine shovel.
 Show cards, advertisements, signs, decorations, or the like by stencilling, Production of. H. H. and G. M. Scott. 1,516,065; Nov. 18.
 Shower attachment. E. J. Wixom. 1,516,226; Nov. 18.
 Sifter, Flour. E. E. Cole. 1,515,930; Nov. 18.
 Signal: See—
 Automobile signal. Traffic safety signal.
 Signaling device. J. L. Meszaros. 1,516,484; Nov. 18.
 Signaling system employing apparatus for automatically enciphering and deciphering messages. Secret. W. F. Friedman and L. M. Evans. 1,516,180; Nov. 18.
 Silo construction. A. I. Anderson. 1,516,320; Nov. 18.
 Skin-grafting operations and surgical instruments used therefor, Performing. S. L. Apolant. 1,516,071; Nov. 18.
 Slicing device. O. Vegas. 1,516,362; Nov. 18.
 Slotting machine. W. J. Hagman and E. H. Wray. 1,516,186; Nov. 18.
 Slub catcher. J. Zorecky. 1,515,646; Nov. 18.
 Sole and making same, Inner. A. Dvinsky. 1,516,425; Nov. 18.
 Sorting device. G. W. Cox, Jr. 1,515,659; Nov. 18.
 Sound records, Base tablet for. J. S. Miller, Jr. 1,516,469; Nov. 18.
 Spark plug. L. F. Marten. 1,515,866; Nov. 18.
 Spark plug. J. A. Rogers. 1,516,460; Nov. 18.
 Spinning machines, Feed roll for. E. E. Bradley. 1,516,076; Nov. 18.
 Spinning mules, Stop motion for. J. D. Sullivan. 1,516,354; Nov. 18.
 Spinning or twisting frame. H. G. Beede. 1,515,651; Nov. 18.
 Spool holder. C. R. Hughes. 1,515,682; Nov. 18.
 Sprayer. S. Astren. 1,515,766; Nov. 18.
 Stake holder. C. L. Tolles. 1,516,163; Nov. 18.
 Stake-cutting machine. A. Dillehay. 1,516,151; Nov. 18.
 Stand: See—
 Automobile repair stand. Work-holding stand.
 Shoemaker's stand.
 Staple-driving machine. J. S. Hotchkiss. 1,516,191-2; Nov. 18.
 Stapling machine. J. B. Crofoot. 1,516,336; Nov. 18.
 Station and information indicator. P. A. Skelly. 1,516,315; Nov. 18.
 Station, Operator's. J. H. Rand. 1,515,098; Nov. 18.
 Steel. K. W. Zimmerschied. 1,516,262; Nov. 18.
 Steel bars, Process and apparatus for producing hollow. J. P. Gorman and H. F. Weglarz. 1,516,153; Nov. 18.
 Steel ingots free from blowholes, Making. I. M. Scott and S. Peacock. 1,515,794; Nov. 18.
 Steel sheets, Preparing pickled. R. J. Pugh. 1,516,117; Nov. 18.
 Stencil-duplicating machine. E. J. Brasseur. 1,516,227-8; Nov. 18.
 Stock measuring and cutting-off machines. E. O. Wenk. 1,516,168; Nov. 18.
 Stooking hook, Hand. H. Smith. 1,515,975; Nov. 18.
 Storage-battery separator. L. C. Hiatt and D. L. Porter. 1,515,738; Nov. 18.
 Storage system. L. B. Thomas. 1,516,358; Nov. 18.
 Stove-door latch. A. G. Sherman and A. Meadows. 1,515,704; Nov. 18.
 Stove or oven for drying and other industrial purposes. Heating. E. Procter and H. Walton. 1,516,458; Nov. 18.
 Stovepipe collar and fastener, Combined. F. S. Syl-vester and R. C. Markeski. 1,515,801; Nov. 18.
 Stovepipe guide. J. McDonald. 1,515,785; Nov. 18.
 Strap: See—
 Pole strap.
 Stropping machine. F. G. Henry. 1,515,737; Nov. 18.
 Stuffing box. A. D. Smith. 1,515,816; Nov. 18.
 Sugar-packing machine, Cube. H. Dippel. 1,515,937; Nov. 18.
 Surface and forming same, Ornamented. G. R. McAllas-ter. 1,515,003; Nov. 18.
 Surface gauge. J. Masone. 1,515,867; Nov. 18.
 Surfacing machine. W. H. Markland. 1,515,743; Nov. 18.
 Surgical instrument. A. Isom and W. A. Bridwell. 1,516,297; Nov. 18.
 Swimmer's motor. L. P. Osterhout. 1,516,241; Nov. 18.
 Switch: See—
 Electric chain-pull switch. Push-button switch.
 Electric switch. Telephone switch.
 Instantaneous switch. Tumbler switch.
 Switch. S. C. Williams. 1,515,713; Nov. 18.
 Switch for point blades, Automatic. D. Arcani. 1,515,587; Nov. 18.
 Switching apparatus. W. M. Scott. 1,515,759; Nov. 18.
 Switching device. O. F. Forsberg. 1,515,069; Nov. 18.
 Switching device. H. B. Taylor. 1,515,631; Nov. 18.
 Table: See—
 Fall-leaf table. Settling table.
 Game table.
 Table and radiocabinet, Combined. P. H. Portz. Des. 66,039; Nov. 18.
 Tag, Price. J. L. Lewis. 1,515,687; Nov. 18.
 Tamping mold. A. H. Schott. 1,515,623; Nov. 18.
 Tank: See—
 Brine tank.
 Tank construction. F. C. Buchanan. 1,515,906; Nov. 18.
 Tanks, Cowl ventilator and filling opening for cowl. V. W. Page. 1,516,403; Nov. 18.
 Telephone head sets, Advertising support for. L. J. Ulrich. Des. 66,049; Nov. 18.
 Telephone switch, Automatic. H. B. Taylor. 1,515,632; Nov. 18.
 Telephone system. C. L. Goodrum. 1,515,674; Nov. 18.
 Telephone system, Automatic. J. H. Homrighous. 1,515,951; Nov. 18.
 Telephone system, Automatic. W. T. Powell. 1,516,245; Nov. 18.
 Telephone system, Machine-switching. C. L. Goodrum and J. N. Reynolds. 1,515,735; Nov. 18.
 Telephones, Sanitary attachment for. D. L. Davis. 1,516,039; Nov. 18.
 Temperature and water indicator. W. H. Growall. 1,516,427; Nov. 18.
 Temperature-responsive device. J. V. Gleaser. 1,515,810; Nov. 18.
 Tent structure. B. H. Brooks. 1,516,372; Nov. 18.
 Terminal clip. J. K. Elderkin. 1,515,666; Nov. 18.
 Textile fabrications, Purifying. J. Marsden. 1,515,691; Nov. 18.
 Theft-preventing device. G. H. Nichols. 1,516,453; Nov. 18.
 Thermostatic controller. A. J. Kercher. 1,515,684; Nov. 18.
 Thread counter. R. Bosshardt. 1,516,145; Nov. 18.
 Tie plate. J. Lundie. 1,516,050-1; Nov. 18.
 Tightener for package bands, straps, and the like. E. Dietze. 1,516,267; Nov. 18.
 Tile, Interlocking building. M. A. Davis. 1,516,473; Nov. 18.
 Tile press, Automatic. F. B. Yingling. 1,515,918; Nov. 18.
 Timer cap. N. B. Parsons. 1,515,790; Nov. 18.
 Tire chain for vehicles. S. Goddard. 1,515,811; Nov. 18.
 Tire hanger. P. L. Marion. 1,515,690; Nov. 18.
 Tire, Pneumatic. L. J. De Holzer. Des. 65,998-9; Nov. 18.
 Tire, Resilient vehicle. G. S. Adams. 1,516,318; Nov. 18.
 Tire tread. A. E. Caldwell. Des. 65,993-4; Nov. 18.
 Tire tread. H. D. Reichard. Des. 66,043; Nov. 18.
 Tire tube and making same, Pneumatic. E. W. Thur-low. 1,516,030; Nov. 18.
 Tires, Detachable rim for auto. F. Zarlengo. 1,516,370; Nov. 18.
 Tires, Skid-preventing means for vehicle. G. F. Eckart. 1,515,848; Nov. 18.
 Toaster, Duplex. A. L. Mottlau. 1,516,054; Nov. 18.
 Tobacco leaves from laths, Device for removing. L. C. Edwards. 1,515,941; Nov. 18.
 Tongues. W. M. Venable. 1,516,031; Nov. 18.
 Tongues, Neck-yoke attachment for. A. McKellar. 1,516,399; Nov. 18.
 Tool. G. W. Cameron. 1,516,229; Nov. 18.
 Tool, Combination. A. Adelmann. 1,515,820; Nov. 18.
 Tool-feeding mechanism. H. L. Blood and A. E. Winey. 1,516,143; Nov. 18.
 Tool-handle wedge. C. G. Ballard. 1,515,921; Nov. 18.
 Tool joint. C. D. and C. B. Reynolds. 1,515,617; Nov. 18.
 Tooth, Artificial. J. B. Davis. 1,516,003; Nov. 18.
 Tooth-cleaning preparation. C. Pfanstiehl. 1,516,206; Nov. 18.
 Torch. T. H. Bell, J. J. Heslin, and T. F. Delaney. 1,515,991; Nov. 18.
 Torch. W. C. Bucknam. 1,516,078; Nov. 18.
 Towel applicator. W. A. Sneed. 1,516,250; Nov. 18.
 Toy balloons, Apparatus for forming rings or beads on the necks of. N. Barr. 1,516,072; Nov. 18.
 Toy, Detonating. B. M. Roof. 1,515,969; Nov. 18.
 Toy locomotive. J. H. Hammond, Jr. 1,515,948; Nov. 18.
 Toy mechanical. A. Koper. 1,516,300; Nov. 18.
 Toy, Mechanical. L. Marx. 1,516,023; Nov. 18.
 Toy, Sounding elastic. H. W. Munro. 1,515,786; Nov. 18.
 Track liner. J. Clark. 1,515,928; Nov. 18.
 Tractor. C. F. Rauen. 1,515,883; Nov. 18.
 Tractor trains, Automatic steering device for. H. W. Jonkhoff. 1,515,775; Nov. 18.
 Tractors, Combined hand and power steering device for. H. S. Dickinson. 1,516,206; Nov. 18.
 Traffic indicator. F. A. Purdy. 1,515,882; Nov. 18.
 Traffic safety signal. C. E. Edwards. 1,515,939; Nov. 18.
 Train stop. G. H. Metzler. 1,515,868; Nov. 18.
 Trains, Automatic speed-control valve for. D. J. Bissell, Jr. 1,515,825; Nov. 18.
 Transfer frame. L. S. Wilson. 1,516,369; Nov. 18.
 Transfer metallized medium. W. J. Boyd. 1,515,722; Nov. 18.
 Transmission. T. L. Fawick. 1,515,850; Nov. 18.
 Transmission. A. P. Knill. 1,515,955; Nov. 18.
 Transmission circuits. S. B. Wright. 1,515,643; Nov. 18.
 Transmission machine, Traffic. C. I. Dickerson. 1,516,088; Nov. 18.
 Trap: See—
 Animal trap.
 Tricycle. J. Van de Putte. 1,516,360; Nov. 18.
 Trimmer: See—
 Plate trimmer.
 Truck, Display. J. H. Best. 1,515,824; Nov. 18.

Trunk lock. W. L. Hagen. Des. 66,005; Nov. 18.
 Trunk lock. A. L. Mackay. Des. 66,029; Nov. 18.
 Trunk lock. E. B. Stone. Des. 66,047; Nov. 18.
 Trunks, ironing-board attachment for. J. Luttmann. 1,515,689; Nov. 18.
 Tumbler or similar article. O. S. Atterholt. Des. 65,992; Nov. 18.
 Tumbler switch. H. G. Baxter. 1,515,050; Nov. 18.
 Turbine plant, Hydraulic. M. Haeblerlein. 1,516,095; Nov. 18.
 Twine holder and take-up. H. J. Bower. 1,516,075; Nov. 18.
 Typewriting machine. J. Lindburg. 1,516,233; Nov. 18.
 Typewriting machine, Pocket. K. Dietrich. 1,515,063; Nov. 18.
 Undertaker's headrest. J. C. Rumsey. 1,515,886; Nov. 18.
 Underwear, Applying button and buttonhole facing strips to knit. J. P. Wells. 1,516,256; Nov. 18.
 Universal joint. C. E. Swenson. 1,516,251; Nov. 18.
 Vacuum tubes, Measuring instrument for. G. Crisson. 1,515,660; Nov. 18.
 Valve. B. T. Williston. 1,516,034; Nov. 18.
 Valve. M. Yablack. 1,515,645; Nov. 18.
 Valve, Balanced. L. Kassander. 1,516,102; Nov. 18.
 Valve, Check. B. T. Williston. 1,516,368; Nov. 18.
 Valve for refrigerating machines, Expansion. M. V. Arnold. 1,515,648; Nov. 18.
 Valve, Locking. E. P. Mulrooney and J. O'Connell. 1,515,745; Nov. 18.
 Valve mechanism for draining system. W. O. Stevers. 1,515,904; Nov. 18.
 Valve, Nonfreezing blow-off. A. Blondeau. 1,515,720; Nov. 18.
 Valve-operating mechanism. T. R. Ryan. 1,516,310; Nov. 18.
 Valve, Pressure-controlled. F. Heath. 1,516,011; Nov. 18.
 Valve, Pressure-retaining. E. L. Clark. 1,515,998-1,516,000; Nov. 18.
 Valve stop, Ball. J. C. Ryan. 1,516,209; Nov. 18.
 Valve tappet. G. S. Salzman. 1,515,758; Nov. 18.
 Valves, Electromagnetic control of multiple. H. G. Geislinger. 1,515,673; Nov. 18.
 Valves, Pressure reducing and regulating. C. M. Terry. 1,515,911; Nov. 18.
 Vanilla and other flavoring extracts, Making. A. F. Wussow. 1,515,714; Nov. 18.
 Vanity case. M. H. Connor. 1,515,839; Nov. 18.
 Vases or similar articles, Holder for. S. Herbert. Des. 66,007; Nov. 18.
 Vegetable cutter. B. M. Berntson and J. E. Nordgren. 1,515,923; Nov. 18.
 Vehicle bodies, Upholstery unit for. D. H. Van Hove. 1,515,711; Nov. 18.
 Vehicle brake, Motor-road. G. H. Lancheater. 1,516,442; Nov. 18.
 Vehicle, Child's. M. B. Armitage. 1,516,321; Nov. 18.
 Vehicle doors, Handle for motor. J. M. Yates. Des. 66,052; Nov. 18.
 Vehicle license plate. T. F. Shartzer. 1,516,127; Nov. 18.
 Vehicle wheel. W. W. Garriott. 1,516,230; Nov. 18.
 Vehicle wheel, Motor. B. F. Mitchell. 1,516,018; Nov. 18.
 Vehicles, Change-speed-gear mechanism for mechanically-propelled. F. H. Royce. 1,516,309; Nov. 18.
 Vehicles, Direction indicator for motor. R. E. Lunday. 1,515,958; Nov. 18.
 Vehicles, Lubricating system for motor. F. L. Baker. 1,515,822; Nov. 18.
 Vehicles, Safety device for motor. H. G. Coykendall. 1,516,081; Nov. 18.
 Vehicles, shock absorber for. G. H. Deln. 1,515,935; Nov. 18.

Vehicles, Ventilating curtain for motor. C. E. Search. 1,515,795; Nov. 18.
 Vehicles, Windscreen for road. R. C. Willard. 1,515,982; Nov. 18.
 Velocipede. J. V. Powell. 1,516,244; Nov. 18.
 Vending machine. B. E. Rupert. 1,516,121; Nov. 18.
 Vine turner. C. T. McCready. 1,516,021; Nov. 18.
 Viscons materials, Apparatus for feeding. B. E. Beyer. 1,515,993; Nov. 18.
 Wafile iron. G. E. Curtiss. Des. 65,997; Nov. 18.
 Wafile iron. G. E. Curtiss. 1,516,265; Nov. 18.
 Wall surface. S. Molnar and J. Schwartz. 1,516,025; Nov. 18.
 Warp stop motion. R. G. Turner. 1,515,895; Nov. 18.
 Washer. See—
 Lock washer.
 Washer. H. M. Lynch and L. E. Elliott. 1,516,197; Nov. 18.
 Washing machine. A. W. Altorfer. 1,516,134; Nov. 18.
 Watchcase. A. W. Wadsworth. 1,516,223; Nov. 18.
 Water-gas apparatus. L. S. Stiles. 1,516,217-8; Nov. 18.
 Water heater. C. A. Hess. 1,516,430; Nov. 18.
 Water heater, Automatic. F. Hardie. 1,515,772; Nov. 18.
 Water-level-recording device. W. C. Hackman. 1,516,094; Nov. 18.
 Wave motor. A. E. Rittenhouse. 1,516,349; Nov. 18.
 West-detecting mechanism. E. H. Ryon. 1,515,887; Nov. 18.
 Weighing loads. H. E. Scott. 1,516,027; Nov. 18.
 Weight, Toe. T. W. Eck. 1,515,665; Nov. 18.
 Welding metal, Apparatus for. C. H. W. F. and S. M. Stoddy. 1,516,471; Nov. 18.
 Welding metallic structures. R. Mattice. 1,515,602; Nov. 18.
 Well drill, Rotary. J. A. Zublin. 1,515,819; Nov. 18.
 Wells, Undercutting reamer for oil. R. C. Lewis. 1,515,780; Nov. 18.
 Wheel. See—
 Disk wheel.
 Resilient wheel.
 Vehicle wheel.
 Wheel lock. H. P. Woodward and W. A. Lowery. 1,516,418; Nov. 18.
 Wheel-rim lock. O. Hogden. 1,516,291; Nov. 18.
 Wheels, Machine for assembling spokes in. J. E. Broxon. 1,516,328; Nov. 18.
 Wheels, Traction device for truck. D. P. Davies. 1,515,502; Nov. 18.
 Whistle installation for boats, Electrical steam. F. L. Saunders. 1,515,888; Nov. 18.
 Winding drum. D. A. Clark. 1,515,728; Nov. 18.
 Windmill. A. Beaty. 1,516,472; Nov. 18.
 Windmill. H. K. Somers. 1,515,817; Nov. 18.
 Windshield pivot mounting. A. T. Potter. Rel5,947; Nov. 18.
 Windshield, Tonneau. J. Auch. 1,515,920; Nov. 18.
 Window fastener. S. Sokolow. 1,515,905; Nov. 18.
 Window, Folding-blind. M. Bretos y Claveria. 1,515,929; Nov. 18.
 Window screen. G. H. Reagan. 1,516,246; Nov. 18.
 Wireless receiving system. H. O. Rugh. 1,516,061; Nov. 18.
 Wireless telegraphy. R. D. Bangay. 1,515,990; Nov. 18.
 Wires, Machine for uniting the ends of. C. W. Hawthorne. 1,516,183; Nov. 18.
 Work-holding stand. C. R. Williams, R. Wygant, and C. D. Williams. 1,516,366; Nov. 18.
 Wrapping machine. W. E. Miller. 1,515,744; Nov. 18.
 Wrench. C. T. Osterberg. 1,516,240; Nov. 18.
 Wrench. F. Ruesch. 1,515,618; Nov. 18.
 Wringer. See—
 Clothes wringer.
 Wringers, Clothes-feeding device for. L. Bergman. 1,516,173; Nov. 18.
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ISSUED NOVEMBER 18, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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2.3: 1,516,191	33— 75: 1,516,288	131: 1,516,081	46: 1,515,763	250: 1,516,006	129— 1: 1,515,699
1,516,192	151: 1,515,943	151: 1,515,943	26: 1,516,007	105— 173: 1,516,080	130— 5: 1,515,694
39: 1,515,697	165: 1,516,387	140: 1,515,737	48: 1,516,205	243: 1,515,899	23: 1,516,109
14: 1,515,701	171: 1,515,867	193: 1,515,818	51: 1,516,283	244: 1,516,598	24: 1,515,710
1,516,261	178: 1,515,627	194: 1,515,892	62: 1,516,153	249: 1,515,833	38: 1,516,114
21: 1,516,386	237: 1,516,040	237: 1,516,040	81— 3.2: 1,516,240	299: 1,515,834	38: 1,516,115
42: 1,516,249	1,516,142	53— 4: 1,516,135	66: 1,516,229	301: 1,515,832	130— 5: 1,516,088
68: 1,516,380	183: 1,516,233	6: 1,516,232	117: 1,516,618	301: 1,515,832	17: 1,515,776
102: 1,516,224	191: 1,516,420	10: 1,516,285	2: 1,516,146	106— 1.6: 1,516,469	32: 1,515,757
118: 1,515,614	12: 1,515,671	1: 1,516,292	4: 1,515,636	108— 5.4: 1,515,721	21: 1,515,941
146: 1,516,181	13: 1,515,696	80: 1,516,202	19: 1,516,196	8: 1,516,243	51: 1,516,183
197: 1,516,284	19: 1,515,948	55— 10: 1,515,740	40: 1,516,162	17: 1,515,749	52: 1,516,449
4: 30: 1,516,391	1,516,925	136: 1,516,037	7: 1,515,798	31: 1,515,637	132— 78.5: 1,515,812
41: 1,516,043	1,516,458	60: 1,516,151	9: 1,516,467	40: 1,516,846	83: 1,515,839
242: 1,516,222	21: 1,516,184	117: 1,516,067	26: 1,516,299	49: 1,515,778	135— 2: 1,516,372
247: 1,515,700	48: 1,515,614	294: 1,516,419	1,516,451	56: 1,516,108	136— 38: 1,515,652
99: 1,516,322	9: 1,516,097	58— 88: 1,516,223	45: 1,515,654	69: 1,516,339	1,515,945
118: 1,516,235	13: 1,515,680	61— 14: 1,515,709	54: 1,515,965	147: 1,516,414	39: 1,515,912
119: 1,516,434	17: 1,516,264	62— 8: 1,516,437	60: 1,515,930	2: 1,516,270	68: 1,515,904
1: 1,516,099	1: 1,515,665	95: 1,515,736	71: 1,515,719	71: 1,515,754	75: 1,515,853
2: 1,515,691	22: 1,516,425	111: 1,516,167	73: 1,516,293	139: 1,515,807	78: 1,516,029
8: 1,515,647	29: 1,516,395	134: 1,515,898	79: 1,516,338	181: 1,515,732	103: 1,515,865
17: 1,515,823	36: 1,516,384	102: 1,516,251	82: 1,516,116	254: 1,516,272	104: 1,516,209
18: 1,516,241	42: 1,516,355	4: 1,516,475	1,516,064	264: 1,516,259	139: 1,515,673
25: 1,515,977	43: 1,516,305	66— 2: 1,516,242	85: 1,515,942	59: 1,515,806	1,515,843
10— 116: 1,516,351	58.5: 1,516,465	4: 1,516,242	92: 1,516,123	114— 66.5: 1,516,649	1,516,139
12— 123: 1,515,808	71: 1,516,248	9: 1,515,599	3: 1,516,242	105: 1,516,063	139— 153: 1,515,011
136: 1,516,333	105: 1,515,827	68— 3: 1,516,343	1: 1,516,347	115— 28: 1,516,468	17: 1,515,595
177: 1,516,026	182: 1,515,856	6: 1,516,173	21: 1,515,623	63: 1,516,270	77: 1,515,777
35: 1,516,308	25: 1,515,687	9: 1,516,173	5: 1,516,433	46: 1,515,882	116: 1,516,838
128: 1,516,086	70: 1,516,394	1,516,475	8: 1,516,947	54: 1,516,433	136: 1,515,859
154: 1,516,330	115: 1,516,315	18: 1,516,134	6: 1,515,947	97: 1,515,788	284: 1,515,887
2: 1,516,072	126: 1,516,718	32: 1,515,917	1: 1,515,698	105: 1,515,636	308: 1,515,696
5: 1,516,194	123: 1,516,127	34: 1,516,091	1: 1,515,939	21: 1,516,076	308: 1,515,696
48: 1,516,045	149: 1,515,901	5: 1,516,919	16: 1,516,277	118— 22: 1,516,354	390: 1,516,805
50: 1,516,042	149: 1,515,901	17: 1,516,780	1,516,278	119— 37: 1,516,476	399: 1,516,441
96: 1,515,672	41— 4: 1,516,119	46: 1,516,057	39: 1,516,145	61: 1,516,388	140— 115: 1,516,188
120: 1,516,101	12: 1,515,787	90: 1,515,752	47: 1,515,624	50: 1,516,392	85: 1,516,641
1— 1.11: 1,516,922	26: 1,515,603	91: 1,515,611	50: 1,515,678	128: 1,515,973	144— 105: 1,516,924
4: 1,516,084	33: 1,516,065	128: 1,516,287	54: 1,515,630	14: 1,516,392	145: 1,516,353
69: 1,516,130	33: 1,516,274	129: 1,516,499	1: 1,516,412	18: 1,515,615	145— 2: 1,515,688
65: 1,515,953	37: 1,515,676	1: 1,516,418	4: 1,516,477	35: 1,515,952	30: 1,515,628
76: 1,516,049	53: 1,515,751	72— 1: 1,516,096	15: 1,516,219	32: 1,516,055	50: 1,516,042
123: 1,516,089	91: 1,516,438	6: 1,516,320	43: 1,516,186	250: 1,516,067	61: 1,515,748
163.5: 1,516,113	17: 1,516,484	49: 1,516,143	43: 1,515,987	367: 1,516,430	54: 1,516,443
1: 1,515,656	28: 1,515,849	18: 1,516,025	45: 1,516,439	392: 1,516,017	21: 1,515,688
3: 1,516,914	41: 1,516,174	20: 1,515,677	68: 1,516,036	50: 1,516,457	43: 1,515,607
126: 1,515,799	69: 1,516,312	41: 1,516,473	61: 1,516,466	53: 1,516,362	169: 1,516,362
3: 1,516,035	70: 1,516,590	50: 1,516,239	1,516,468	59: 1,516,389	206: 1,516,923
75: 1,516,462	81: 1,516,201	31: 1,516,070	31: 1,515,658	61: 1,516,445	219: 1,515,908
101: 1,515,974	133: 1,516,699	1,516,394	41: 1,515,821	1,516,446	148— 12: 1,516,157
109: 1,515,997	140: 1,515,826	37: 1,515,762	20: 1,515,744	74: 1,515,685	20: 1,516,407
134: 1,515,813	1: 1,516,171	51: 1,516,746	42: 1,516,165	15: 1,515,836	22: 1,515,870
143: 1,515,980	2: 1,516,156	52: 1,516,427	51: 1,516,100	90: 1,515,758	15: 1,515,836
157: 1,516,028	13: 1,516,024	82: 1,516,160	5: 1,516,199	1,516,271	21: 1,516,413
229: 1,515,706	50: 1,515,886	21: 1,516,386	88: 1,516,161	33: 1,516,453	30: 1,515,657
230: 1,516,286	54: 1,516,022	33: 1,516,984	7: 1,515,608	102: 1,515,830	152— 2: 1,515,592
255: 1,516,335	116: 1,516,323	39: 1,516,303	13: 1,516,198	119: 1,516,019	8— 1,516,318
261: 1,516,294	24: 1,515,753	1,516,303	31: 1,516,289	129: 1,516,104	14— 1,515,675
98: 1,515,918	27: 1,515,903	1,516,346	192: 1,516,021	169: 1,515,866	1,515,679
20: 1,515,880	40: 1,516,023	1,516,383	57: 1,516,280	1,516,460	1,515,811
70: 1,516,046	46: 1,515,780	54: 1,516,070	1,516,383	170: 1,516,058	1,515,848
18: 1,516,098	55: 1,515,830	56: 1,516,148	66: 1,516,200	178: 1,515,742	21: 1,515,940
21: 1,516,726	58: 1,515,969	58: 1,516,148	98: 1,516,079	187.5: 1,515,739	25: 1,515,739
26: 1,516,620	55: 1,515,594	59: 1,515,955	98: 1,516,857	191: 1,516,447	40: 1,516,594
37: 1,516,063	62: 1,516,252	59: 1,516,227	118: 1,516,227	197: 1,516,045	59: 1,515,695
48: 1,515,591	66: 1,515,606	1,516,088	242: 1,516,228	8: 1,516,483	65: 1,515,874
69: 1,515,619	1,516,154	81: 1,515,847	337: 1,516,120	39: 1,516,792	2: 1,515,792
85: 1,516,298	48— 80: 1,516,217	1,516,125	102— 10: 1,516,009	271.2: 1,516,141	10: 1,516,230
88.2: 1,515,785	172: 1,516,432	100: 1,515,916	29: 1,515,705	315: 1,516,801	45.9: 1,515,949
89: 1,515,915	180: 1,515,902	108: 1,515,802	39: 1,515,668	1,516,160	130: 1,515,760
1,516,041	49— 5: 1,515,885	109: 1,515,823	1,516,044	344: 1,516,474	182: 1,516,093
1,516,366	9: 1,515,962	111: 1,516,327	40: 1,515,981	351: 1,515,772	184: 1,515,711
103: 1,516,283	17: 1,516,626	114: 1,515,855	69: 1,516,349	23: 1,515,772	190: 1,515,845
1,516,269	53: 1,516,220	82: 1,516,258	108: 1,516,110	48: 1,515,968	14: 1,516,246
105: 1,516,172	58: 1,516,793	140: 1,515,961	17: 1,516,907	9: 1,516,771	24: 1,516,1

CLASSIFICATION OF PATENTS.

58- 63: 1,515,804	188- 6: 1,516,301	208- 11: 1,515,767	228- 40: 1,516,010	251- 6: 1,515,745	280- 33: 1,516,015
65: 1,515,970	30: 1,516,081	24: 1,516,176	51: 1,516,090	25: 1,516,367	33: 44: 1,515,756
75: 1,516,408	77: 1,515,959	42: 1,516,244	87: 1,516,435	39: 1,516,000	33: 58: 1,515,775
87: 1,516,317	88: 1,515,862	78: 1,516,360	27: 1,515,662	122: 1,516,645	61: 1,515,824
150- 4: 1,516,444	112: 1,515,863	165: 1,516,321	30: 1,516,106	127: 1,516,368	87: 5: 1,516,105
162- 4: 1,516,047	112: 1,515,863	51: 1,516,132	1: 1,516,107	133: 1,515,720	147: 1,516,163
164- 6.5: 1,516,059	185: 1,515,985	195: 1,516,463	42: 1,516,126	144: 1,516,282	281- 1: 1,515,972
17: 1,516,238	190: 1,516,375	206: 1,516,359	10: 1,516,094	145: 1,516,906	25: 1,515,797
166- 19: 1,516,416	194: 1,516,442	7: 1,516,404	33: 1,515,913	1: 1,515,999	283- 2: 1,515,602
167- 4: 1,515,714	249: 1,515,910	9: 1,516,481	61: 1,515,988	3: 1,516,337	285- 5: 1,516,478
5: 1,515,854	46: 1,515,964	13: 1,516,600	62: 1,515,966	24: 1,516,095	72: 1,516,452
8: 1,515,803	56: 1,515,929	14: 1,516,281	73: 1,516,436	18: 1,516,155	90: 1,515,613
7: 1,515,976	13: 1,515,889	17: 1,516,690	14: 1,516,456	24: 1,516,421	122: 1,516,396
9: 1,516,140	58: 1,516,005	34: 1,515,909	15: 1,516,424	26: 1,515,708	146: 1,515,617
1: 516,206	68: 1,516,138	36: 1,515,659	18: 1,515,810	43: 1,515,928	203: 1,515,750
170- 60: 1,516,472	118: 1,515,769	50: 1,516,302	21: 1,515,727	66: 1,516,267	27: 1,515,816
146: 1,515,817	125: 1,515,774	58: 1,516,783	79: 1,515,963	121: 1,516,329	288- 1: 1,516,197
165: 1,515,796	135: 1,515,651	31: 1,515,610	21: 1,515,727	144: 1,516,311	290- 1: 1,516,247
171- 85: 1,515,634	10: 1,515,605	32: 1,515,747	198: 1,516,051	178: 1,515,779	291- 11: 1,516,211
97: R. 16,951	12: 1,515,890	1: 516,573	298: 1,516,050	71: 1,516,340	292- 79: 1,515,704
212: 1,516,254	194- 57: 1,516,121	1,515,875	338: 1,516,085	73: 1,516,819	208: 1,515,761
282: 1,515,889	196- 8: 1,516,166	1,515,876	3: 1,515,724	76: 1,515,780	227: 1,515,905
172- 379: 1,516,341	71: 1,516,285	33: 1,515,940	7: 1,515,717	54: 1,516,179	335: 1,516,612
173- 269: 1,515,871	147: 1,515,997	140: R. 15,950	140: 1,516,234	24: 1,516,237	347: 1,516,132
1: 515,871	20: 1,516,459	40: 1,516,129	4: 1,516,046	126: 1,515,934	293- 34: 1,516,253
1: 515,891	56: 1,515,663	215- 40: 1,516,129	10: 1,516,369	132: 1,516,133	55: 1,515,734
273: 1,515,666	10: 1,516,435	216- 9: 1,516,369	21: 1,516,409	140: 1,515,773	1,515,935
332: 1,516,415	21: 1,516,409	42: 1,516,012	262: 1,516,170	102: 1,515,633	1,516,273
353: 1,516,231	262: 1,516,170	44: 1,516,782	75: 1,516,016	131: 1,516,210	1,516,410
365: 1,516,422	144: 1,516,428	47: 1,516,332	144: 1,516,428	55: 1,516,430	1,516,461
366: 1,515,755	192: 1,516,083	219- 8: 1,515,692	192: 1,516,083	64: 1,516,376	294- 33: 1,515,622
83: 1,515,864	4: 1,515,932	1: 516,471	10: 1,515,854	102: 1,515,635	49: 1,515,975
116: 1,515,644	19: 1,515,872	10: 1,515,854	19: 1,515,854	62: 1,515,978	51: 1,516,030
359: 1,515,635	24: 1,516,417	1,516,034	1,516,034	85: 1,516,306	110: 1,516,031
360: 1,516,068	26: 1,515,790	1,516,203	100: 1,516,111	109: 1,515,897	295- 44: 1,516,066
7: 1,516,200	30: 1,516,431	32: 1,516,255	109: 1,515,897	108: 1,516,393	296- 28: 1,516,020
311: 1,515,888	45: 1,515,764	42: 1,515,790	108: 1,516,393	110: R. 15,948	52: 1,516,118
327: 1,515,958	50: 1,515,759	44: 1,515,800	129: 1,516,263	35: 1,515,832	58: 1,515,628
179- 18: 1,515,674	55: 1,516,216	47: 1,516,263	74: 1,515,629	49: 1,516,014	85: 1,515,920
1: 515,735	67: 1,515,650	1,516,440	97: 1,515,728	12: 1,516,207	1,515,957
1,515,837	103: 1,516,313	1,516,440	129: 1,516,331	30: 1,516,208	92: R. 15,947
1,516,245	138: 1,516,195	1,516,440	134: 1,515,682	36: 1,516,033	97: 1,515,803
27: 1,515,951	140: 1,515,684	5: 1,515,996	143: 1,516,075	52: 1,516,027	138: 1,515,795
27.5: 1,515,631	156: 1,516,144	7: 1,516,361	161: 1,516,002	68: 1,516,403	140: 1,516,411
1,515,632	9: 1,516,406	36: 1,515,989	2: 1,516,357	37: 1,515,616	49: 1,516,429
1,515,669	5: 1,516,314	39: 1,515,661	14: 1,516,295	9: 1,516,185	73: 1,516,226
146: 1,516,060	1: 1,516,326	43: 1,515,959	15: 1,516,221	32: 1,516,092	125: 1,515,664
170: 1,516,643	4: 1,515,712	69: 1,516,334	19: 1,516,001	63: 1,515,716	141: 1,516,766
171: 1,516,660	5: 1,516,122	25: 1,516,112	25: 1,515,784	17: 1,516,403	23: 1,516,018
185: 1,516,039	29: 1,515,738	1,516,373	29: 1,516,164	66: 1,515,781	31: 1,516,370
180- 12: 1,516,266	63: 1,516,262	221- 89: 1,516,214	31: 1,516,480	47: 1,516,378	39: 1,515,828
19: 1,515,883	64: 1,515,967	125: 1,515,993	199: 1,515,808	63: 1,516,048	47: 1,516,378
43: 1,515,815	87: 1,515,713	225- 57: 1,516,401	226: 1,515,887	31: 1,516,212	63: 1,516,230
181- 32: 1,515,931	16: 1,515,638	26: 1,515,768	14: 1,516,365	39: 1,515,861	303- 6: 1,515,841
193- 44: 1,515,949	30: 1,515,838	19: 1,516,279	58: 1,515,601	41: 1,515,966	21: 1,515,825
184- 1: 1,515,879	44: 1,515,741	129: 1,515,844	17: 1,515,990	1: 1,516,193	54: 1,515,604
7: 1,515,822	52: 1,516,147	29: 1,516,275	20: 1,516,061	36: 1,516,034	26: 1,515,831
11: 1,516,062	56: 1,516,426	35: 1,515,983	31: 1,515,900	1,516,102	33: 1,515,921
187- 3: 1,516,382	64: 1,516,137		1,515,994	279- 74: 1,516,257	39: 1,515,715
51: 1,515,621					
87: 1,516,177					
188- 5: 1,516,213					

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pumps. 192,039; Nov. 25; Serial No. 195,206; pub-
lished Aug. 26, 1924.
- Balla-Ni Laboratory, Inc., The, Greensburg, Pa. Medi-
cal compound for constipation, dyspepsia, etc.
192,078; Nov. 25; Serial No. 198,931; published Sept.
2, 1924.
- Banner Silk Knitting Mills, Inc., The, New York, N. Y.
Knitted silk fabrics. 192,019; Nov. 25; Serial No.
200,803; published Sept. 9, 1924.
- Barbasol Company, The, Indianapolis, Ind. Toilet pow-
der. 192,064; Nov. 25; Serial No. 199,454; published
Aug. 26, 1924.
- Barnett, Peter E., doing business as GlobeFizz Products
Company, Chicago, Ill. Maltless artificial grape bev-
erage and sirup for making the same. 192,197;
Nov. 25.
- Battery Equipment & Supply Co., Chicago, Ill. Terminal
connector reamers, separator knives, etc. 191,974;
Nov. 25; Serial No. 160,581; published Aug. 26, 1924.
- Baye-Kerr Company, The. (See Magliato, Henry.)
- Bayer, Pretzfelder & Mills, Inc., doing business as Pas-
kar Watch Co., New York, N. Y. Watches. 192,235;
Nov. 25.
- Bayley, W. D., trustee of The E. W. Ross Company,
Springfield, Ohio. Enslage cutters. 191,953; Nov.
25; Serial No. 200,307; published Sept. 2, 1924.
- Bedrosian, Nshan B., doing business as Massasolt Chemi-
cal Co., Providence, R. I. External ointment.
192,069; Nov. 25; Serial No. 200,418; published Sept.
9, 1924.
- Berkowitz, William E., doing business as C. N. G. Labo-
ratories Company, Detroit, Mich. Antiseptic solution.
191,932; Nov. 25; Serial No. 197,410; published Sept.
2, 1924.
- Best, Lillian M., Iron Mountain, Mich. Preparation for
the treatment of tonsillitis, sore throat, and diphe-
theria. 192,150; Nov. 25; Serial No. 197,699; pub-
lished Sept. 16, 1924.
- Bigli, Antonio, Long Island City, N. Y. Marble in the
rough. 192,033; Nov. 25; Serial No. 197,988; pub-
lished Sept. 9, 1924.
- Blackett, Hill, Chicago, Ill. Toothpaste. 192,068; Nov.
25; Serial No. 200,420; published Sept. 9, 1924.
- Blackett, Hill, Chicago, Ill. Facial cream. 192,186;
Nov. 25; Serial No. 200,419; published Sept. 16, 1924.
- Blazine Ointment Co., The. (See Kessler, Joseph J.)
- Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile
fabrics in the piece. 192,026-9; Nov. 25; Serial Nos.
200,472-5; published Sept. 9, 1924.
- Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile
fabrics in the piece. 192,030; Nov. 25; Serial No.
200,421; published Sept. 9, 1924.
- Bohrer, Chas. R., doing business as Lechal Chemical Co.,
West Plains, Mo. Mange remedy. 192,072; Nov. 25;
Serial No. 200,178; published Sept. 2, 1924.
- Boston Excelsior Company, New York, N. Y., and Boston,
Mass. Bats, burlap, cotton, excelsior, etc. 192,016;
Nov. 25; Serial No. 199,522; published Sept. 9, 1924.
- Boyle, John, & Company Incorporated, New York, N. Y.
Awning stripes and ticking. 192,022; Nov. 25; Serial
No. 200,661; published Sept. 9, 1924.
- Boyle, John, & Company Incorporated, New York, N. Y.
Awning stripes and ticking. 192,023; Nov. 25; Serial
No. 200,658; published Sept. 9, 1924.
- Boyle, John, & Company Incorporated, New York, N. Y.
Awning stripes and ticking. 192,024; Nov. 25; Serial
No. 200,652; published Sept. 9, 1924.
- Bradford Dyeing Assoc. (U. S. A.), Bradford, R. I.
Cotton, silk, and woolen piece goods. 192,009; Nov.
25; Serial No. 199,036; published Sept. 9, 1924.
- Bradley, Charles E., Boston, Mass. Finish for ceilings
and wall surfaces. 192,237; Nov. 25.
- Braun, Alio M., doing business as A. M. Braun, Far
Rockaway, N. Y. Toilet preparations. 192,065; Nov.
25; Serial No. 200,476; published Sept. 9, 1924.
- Bredar, Jos. L., doing business as Nic Bredar's Son Mfg.
Co., Rock Island, Ill. Drain valves for automobiles.
192,013; Nov. 25; Serial No. 199,342; published Sept.
2, 1924.
- Brent-Hurst Company, Inc., Baltimore, Md. Men's, young
men's, and boys' suits and trousers. 192,221; Nov. 25.
- Brower, Cora, doing business as Cora's Hair Preparation
Company, Denver, Colo. Scalp tonic. 192,126; Nov.
25; Serial No. 200,132; published Sept. 16, 1924.
- Bruno, C., & Son, Inc., New York, N. Y. Clarinets.
192,226; Nov. 25.
- Burd Knitting Mills Co., Philadelphia, Pa. Hosiery.
191,972; Nov. 25; Serial No. 177,271; published Sept.
2, 1924.
- Burns, George J., Youngstown, Ohio. Fuel-feeding appa-
ratus for internal-combustion engines. 191,975; Nov.
25; Serial No. 159,779; published July 18, 1922.
- Burton, Price & Company, Inc., New York, N. Y. Silk
piece goods, silk ribbons, and velvet piece goods.
192,006; Nov. 25; Serial No. 198,983; published Sept.
9, 1924.
- Buxton Incorporated, Springfield, Mass. Key cases.
192,212; Nov. 25.
- C. N. G. Laboratories Company. (See Berkowitz, Wil-
liam E.)
- C. N. G. Laboratories Company. (See Consino, Elmer J.)
- Campbell, John, & Co., New York, N. Y. Chemical for
assisting in dyeing operations. 192,179; Nov. 25;
Serial No. 200,710; published Sept. 16, 1924.
- Carson, Frie, Scott & Company, Chicago, Ill. Electric
flat or sad irons. 192,199; Nov. 25.
- Catawba Chemical Company, Fort Mill, S. C. Medical
preparation. 192,127; Nov. 25; Serial No. 200,134;
published Sept. 16, 1924.
- Cathcart and Cathcart, Inc., Newburgh, N. Y. Medicinal
compounds and pharmaceutical preparations. 192,047;
Nov. 25; Serial No. 198,257; published Aug. 26, 1924.
- Cathcart and Cathcart, Inc., Newburgh, N. Y. Pharma-
ceutical preparation. 192,052; Nov. 25; Serial No.
198,730; published Aug. 26, 1924.

Cellucotton Products Company, Neenah, Wis. Absorbent pads or sheets. 191,941; Nov. 25; Serial No. 199,932; published Sept. 2, 1924.

Champion Carbide Mfg. Co., The Cincinnati, Ohio. Dry-cell electric batteries. 192,196; Nov. 25.

Chevaline Manufacturing Co., Inc. (See Addiscott, Herbert C., assignor.)

Chi-Gee Drug Products. (See Crist, Mrs. Fred H.)

Chlorine Products Co., Inc., New York, N. Y. Chlorine for psoriasis and eczema. 191,986; Nov. 25; Serial No. 199,821; published Sept. 16, 1924.

Choco-Dulce Co. (See Flores, Fred B.)

Clark, George M., doing business as G. M. Clark Co., Lancaster, N. H. Proprietary preparation for dyspepsia, indigestion, etc. 192,182; Nov. 25; Serial No. 200,670; published Sept. 16, 1924.

Clear Rock Mineral Company. (See Crowe, John C.)

Clearwater, Henry P., Hallowell, Me. Pharmaceutical preparations for corns, warts, and calli. 192,042; Nov. 25; Serial No. 197,865; published Aug. 12, 1924.

Coffey, Leland B., doing business as Creo-Lyptus Co., Kansas City, Mo. Medicinal preparation for coughs, colds, and bronchial asthma. 192,115; Nov. 25; Serial No. 199,677; published Sept. 9, 1924.

Continental Company, The, Detroit, Mich. Screen doors and window screens, combination screen and storm doors, etc. 192,037; Nov. 25; Serial No. 199,790; published Sept. 9, 1924.

Cora's Hair Preparation Company. (See Brower, Cora.)

Cousino, Elmer J., doing business as C. N. G. Laboratories Company, Detroit, Mich. Antiseptic and analgesic medicines and germicides. 192,084; Nov. 25; Serial No. 197,534; published Sept. 2, 1924.

Creo-Lyptus Co. (See Coffey, Leland B.)

Crist, Mrs. Fred H., doing business as Chi-Gee Drug Products, Fort Worth, Tex. Medicine used as a stomach and bowel antiseptic. 192,077; Nov. 25; Serial No. 199,041; published Sept. 9, 1924.

Crowe, John C., doing business as Clear Rock Mineral Company, Indianapolis, Ind. Mineral salts. 192,081; Nov. 25; Serial No. 197,658; published Sept. 9, 1924.

Crystal Mills, Inc., West New York, N. J. Knitted cloth and fabric in the piece. 191,940; Nov. 25; Serial No. 199,831; published Sept. 9, 1924.

Dame Nature Co., Chicago, Ill., and New York, N. Y. Face powder, skin lotion, skin-improver cream, etc. 192,106-6; Nov. 25; Serial Nos. 199,054-5; published Aug. 12, 1924.

Dansk Gaer-Central. (See Aktieselskabet de Danske Spritfabrikker.)

Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 191,907; Nov. 25; Serial No. 181,819; published June 10, 1924.

Debauge, Pierre, Neuilly-sur-Seine, France. Beauty cream. 192,102; Nov. 25; Serial No. 192,367; published Aug. 12, 1924.

Desbell Laboratories, Inc., Los Angeles, Calif. Solution for the treatment of pyorrhea. 191,935; Nov. 25; Serial No. 198,290; published Sept. 2, 1924.

De Witt, E. C. & Co., Inc., Chicago, Ill. Eye bath. 192,053; Nov. 25; Serial No. 198,734; published Aug. 12, 1924.

Dolly Gray. (See Wool Novelty Co., Inc.)

Doran, William F., doing business as Doran Engineering and Supply Company, Philadelphia, Pa. Rim and auxiliary lamp for electric automobile head lamps. 191,927; Nov. 25; Serial No. 194,341; published Sept. 9, 1924.

Douglas Motors Limited, Kingswood, Bristol, England. Axle caps for vehicles, coach ironmongery, etc. 191,969; Nov. 25; Serial No. 199,656; published Sept. 9, 1924.

Drug Products Co., Inc., The, Long Island City, N. Y. Iodized calcium medication for bronchitis, pneumonia, etc. 192,178; Nov. 25; Serial No. 200,715; published Sept. 16, 1924.

Dyestuffs Corporation of America, Boston, Mass. Dyestuffs, dyewoods, and dyewood extracts, etc. 192,083; Nov. 18; Serial No. 197,538; published Sept. 9, 1924.

Eagle Brass Foundry Company, Seattle, Wash. Ingots, castings, bars, and bushing stock. 192,229; Nov. 25.

Eason, Ra Melle, doing business as The Ezy-Strait Co., Hernando, Miss. Preparation for straightening and improving the hair. 192,184; Nov. 25; Serial No. 200,482; published Sept. 16, 1924.

Etablissements Poulenc Freres (Societe Anonyme), Paris, France. Synthetic resin material. 192,065; Nov. 25; Serial No. 197,020; published Sept. 2, 1924.

Ezy-Strait Co., The. (See Eason, Ra Melle.)

Factor, Max, doing business as Max Factor & Company, Los Angeles, Calif. Brilliantine in salve form, pomade, and hair tonic. 192,066; Nov. 25; Serial No. 193,097; published Sept. 9, 1924.

Falkill Products Co. (See Wood, James W.)

Farnett, John, Syracuse, N. Y. Ointment used in the treatment of piles, burns, boils, etc. 192,082; Nov. 25; Serial No. 197,500; published Sept. 9, 1924.

Field & Flint Co., Boston and Brockton, Mass. Shoes. 192,168; Nov. 25; Serial No. 175,717; published June 5, 1923.

Field, Herbert P., New York, N. Y. Laxative medicine. 192,131; Nov. 25; Serial No. 198,229; published Sept. 16, 1924.

Fields, Joseph A., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 192,079; Nov. 25; Serial No. 198,630; published Sept. 9, 1924.

First Aid Specialty Company, Inc., New York, N. Y. Medical and surgical appliances. 192,034; Nov. 25; Serial No. 197,478; published Sept. 2, 1924.

Fleenor, Calile R., Morrill, Nebr. Preparation for black-head in turkeys. 192,093; Nov. 25; Serial No. 197,198; published Aug. 26, 1924.

Flores, Fred B., doing business as Choco-Dulce Co., San Antonio, Tex. Laxative. 192,054; Nov. 25; Serial No. 198,797; published Aug. 26, 1924.

Flosmor Manufacturing Company, The, Cleveland, Ohio. Shampoo preparation. 191,985; Nov. 25; Serial No. 199,837; published Sept. 16, 1924.

Flossy Dental Mfg. Co., Evanston, Ill. Perfume. 192,059; Nov. 25; Serial No. 199,351; published Aug. 26, 1924.

Foster-McClellan Co., Buffalo, N. Y., and Paris, France. Cathartic pills. 192,163; Nov. 25; Serial No. 188,195; published Sept. 16, 1924.

Foster Packing Company, Chicago, Ill. Corned beef, dried beef, canned pork, etc. 192,215; Nov. 25.

France Milling Company, Cobleskill, N. Y. Self-rising buckwheat and wheat flour and pancake flour. 192,195; Nov. 25.

Gates Rubber Company, The, Denver, Colo. Rubber tires and inner tubes. 192,201; Nov. 25.

Gem Engineering Corporation, The, Hempstead, N. Y. Electrical switching apparatus. 192,224; Nov. 25.

General Coal Company, Wilmington, Del., and Philadelphia, Pa. Coal and coke. 192,014; Nov. 25; Serial No. 199,421; published Sept. 9, 1924.

Gibbs, Malcolm G., doing business as Key Chemical Company, Washington, D. C. Laxative medicinal preparation. 191,920; Nov. 25; Serial No. 184,905; published Jan. 8, 1924.

Glaumtina, Christos, doing business as Sphinx Sanitary Appliance Co., New York, N. Y. Catamenial bandages. 191,987; Nov. 25; Serial No. 194,000; published Sept. 2, 1924.

Gleise Laboratories. (See Shely, Elizabeth.)

Glas ton-ol Lab. Corp., Jamaica, N. Y. Throat swab or spray. 192,177; Nov. 25; Serial No. 200,717; published Sept. 16, 1924.

Globe Fizz Products Company. (See Barnett, Peter E.)

Glover, H. Clay, Co., Inc., New York, N. Y. Animal medicines. 192,113; Nov. 25; Serial No. 199,551; published Sept. 9, 1924.

Good, John H., doing business as The Hollywood Perfume Co., Los Angeles, Calif. Perfumes, cosmetics, and dermatological products. 192,116; Nov. 25; Serial No. 199,689; published Sept. 16, 1924.

Gooding, Edith M., Plymouth, Mass. Toilet preparations. 191,926; Nov. 25; Serial No. 193,705; published Sept. 2, 1924.

Graf, John, Company, Milwaukee, Wis. Ginger ale. 192,211; Nov. 25.

Greater New York Barber Supply. (See Masciola, Anthony.)

Greenfield, Paul, New York, N. Y. Hair-removing wax. 192,162; Nov. 25; Serial No. 188,414; published Sept. 16, 1924.

Greenfield Tap and Die Corporation, Greenfield, Mass. Internal-grinding machine. 191,946; Nov. 25; Serial No. 200,196; published Sept. 2, 1924.

Grey, James P., & Co., Hendersonville, N. C. Hosiery. 192,005; Nov. 25; Serial No. 198,944; published Sept. 9, 1924.

Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Watches, watchcases, and watch movements. 192,204; Nov. 25.

Guzzardo, Albert C., Kansas City, Mo. Blood regulator. 191,924; Nov. 25; Serial No. 190,292; published Sept. 2, 1924.

H. K. H. Silk Co., The, Watertown, Conn. Silk fabrics in the piece. 192,217; Nov. 25.

Haas Brothers, San Francisco, Calif. Canned fruits, vegetables, and fish. 192,181; Nov. 25; Serial No. 200,681; published Sept. 9, 1924.

Haco-Gesellschaft A.-G., Bern, Switzerland. Germicide and antiseptic preparations. 192,104; Nov. 25; Serial No. 191,228; published Aug. 26, 1924.

Hadfield, Walton J., Sheffield, England. Manufactures from mineral and other substances for use in road making, etc. 192,038; Nov. 25; Serial No. 195,440; published Sept. 9, 1924.

Haley M-O Company, The, Indianapolis, Ind. Pharmaceutical preparation. 191,993; Nov. 25; Serial No. 199,854; published Sept. 16, 1924.

Hamberg, John, Coeur d'Alene, Idaho. Medicine for tuberculosis. 192,048; Nov. 25; Serial No. 198,304; published Aug. 26, 1924.

Hargrave, George F., doing business as Hargrave Medicine Co., North Little Rock, Ark. Expectorant solution. 192,129; Nov. 25; Serial No. 200,197; published Sept. 9, 1924.

Hazleton Syrup Co., Hazleton, Pa. Compound for treating fabrics. 192,188; Nov. 25; Serial No. 200,358; published Sept. 16, 1924.

Henderson, Abram J., Winston-Salem, N. C. Compound for treatment of rheumatic pains, headache, sciatica, etc. 192,133; Nov. 25; Serial No. 198,744; published Sept. 16, 1924.

Henkin, Henry, doing business as Tang Products Co., San Francisco, Calif. Face cream and hand beautifier. 192,100; Nov. 25; Serial No. 193,173; published Aug. 26, 1924.

Herrick, Alfred, Manton, Calif. Salve for cuts, burns, sprains, etc. 192,107; Nov. 25; Serial No. 178,040; published Aug. 26, 1924.

Hettrick Manufacturing Co., The, Toledo, Ohio. Waterproofed canvas, tents, covers, and paulins. 192,194; Nov. 25.

Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 191,954; Nov. 25; Serial No. 200,318; published Sept. 2, 1924.

Hojos Company. (See Josias, Jack.)

Hollywood Perfume Co., The. (See Good, John H.)

Hub Hosiery Mills, Boston, Mass. Infants' hose. 191,971; Nov. 25; Serial No. 178,889; published Sept. 2, 1924.

Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods. 192,007; Nov. 25; Serial No. 199,004; published Sept. 9, 1924.

Island Creek Coal Company, Portland, Me., and Huntington, W. Va. Coal. 191,978; Nov. 25; Serial No. 198,525; published Sept. 9, 1924.

Jordan, W. H. & F. Jr., Mfg. Co., Philadelphia, Pa. Insecticide. 192,088; Nov. 25; Serial No. 191,073; published Sept. 9, 1924.

Josias, Jack, doing business as Hojos Company, New York, N. Y. Compact, reds, rouge, and powder. 192,112; Nov. 12; Serial No. 199,478; published Sept. 16, 1924.

Kaltenbach & Stephens, Inc., New York, N. Y. Silk and satin ribbons in the piece. 191,944; Nov. 25; Serial No. 200,047; published Sept. 9, 1924.

Karlins, Elizabeth, Wendel, W. Va. Medicine for sore throat and throat swellings. 192,041; Nov. 25; Serial No. 197,818; published Aug. 12, 1924.

Kelm, Harry J. S., doing business as Lehigh Medical Laboratory, Catasauqua, Pa. Compound for colds and grip. 192,172-4; Nov. 25; Serial Nos. 200,766-8; published Sept. 16, 1924.

Kelly Brothers, New Lexington, Ohio. Hair tonic or scalp lotion. 191,992; Nov. 25; Serial No. 199,361; published Sept. 16, 1924.

Kessler, Joseph J., doing business as The Blasine Ointment Co., Dubuque, Iowa. Healing salve. 191,982; Nov. 25; Serial No. 199,893; published Sept. 16, 1924.

Key Chemical Company. (See Gibbs, Malcolm G.)

Keystone Varnish Company, Brooklyn, N. Y. Oil paint. 191,959; Nov. 25; Serial No. 198,179; published Sept. 9, 1924.

Keystone Varnish Company, Brooklyn, N. Y. Wall paints. 192,031; Nov. 25; Serial No. 200,361; published Sept. 9, 1924.

Keystone Varnish Company, Brooklyn, N. Y. Paste paint. 192,032; Nov. 25; Serial No. 200,360; published Sept. 9, 1924.

Kilmer, Dr. & Co., Binghamton, N. Y. Preparations for the treatment of diseases of the kidneys, bladder, etc. 191,997; Nov. 25; Serial No. 198,807; published Sept. 2, 1924.

Kilmer, Dr. & Co., Binghamton, N. Y. Medicinal and pharmaceutical preparations. 192,055; Nov. 25; Serial No. 198,808; published Aug. 26, 1924.

Klipstein, A., and Company, Woodbridge, N. J., and New York, N. Y. Soluble antipneumot off. 192,050; Nov. 25; Serial No. 198,713; published Aug. 12, 1924.

Knickerbocker Watch Co., New York, N. Y. Clocks and watches. 192,225; Nov. 25.

Knochel, Ulysses S., Baltimore, Md. Variable air condensers for radio and wireless telegraphy apparatus. 191,934; Nov. 25; Serial No. 198,240; published Sept. 9, 1924.

Korrene Chemical Company. (See Smith, Forrest H.)

Krakowski, Franciszek K., Charles Place, Long Island, N. Y. Salve. 192,058; Nov. 25; Serial No. 199,169; published Sept. 2, 1924.

Kurz, Chas., & Co., Inc., Philadelphia, Pa. Salt. 192,046; Nov. 25; Serial No. 198,241; published Aug. 12, 1924.

La-Bay Mfg. Co. (See Morehouse, L. M.)

Lafayette Pharmaceutical Co., The, La Fayette, Ind. Enteric or salol-coated gelatin or other capsules intended for administration in the bowel. 192,161; Nov. 25; Serial No. 199,599; published Sept. 16, 1924.

Lajugle, Paul, Paris, France. Dentifrice. 191,921; Nov. 25; Serial No. 187,825; published Sept. 2, 1924.

Lechal Chemical Co. (See Bohrer, Chas. R.)

Lee, William H., Pittsburgh, Pa. Medicine for rheumatism and impurities of the blood. 192,051; Nov. 25; Serial No. 198,715; published Aug. 12, 1924.

Lehigh Medical Laboratory. (See Kelm, Harry J. S.)

Levi & Seligman, Inc., Brooklyn, N. Y. Silk knitted cloth in the piece. 191,955-6; Nov. 25; Serial Nos. 200,328-9; published Sept. 9, 1924.

Lewis Drug Company, The, Montgomery, Ala. Hair-dressing. 192,118; Nov. 25; Serial No. 200,050; published Sept. 16, 1924.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Emollient bath for the body. 192,108; Nov. 25; Serial No. 174,463; published Aug. 26, 1924.

Lieberman, George, Barber Supply Co., Inc., Boston, Mass. Lotion. 191,930; Nov. 25; Serial No. 195,751; published Aug. 26, 1924.

Licking, Anthony J., San Antonio, Tex. Blood-purifying medicine. 191,980; Nov. 25; Serial No. 199,947; published Sept. 2, 1924.

Lieber, Maurice L., Philadelphia, Pa. Toilet waters, perfumes, powders, rouges, etc. 192,040; Nov. 25; Serial No. 197,790; published Aug. 26, 1924.

Life Chemistry Institute. (See Peck, Monroe S.)

Lightdown, J. W. & Sons, Acerrington, England. Medicinal cough drops. 192,159; Nov. 25; Serial No. 193,604; published Sept. 16, 1924.

Lionel Trading Co., Inc., New York, N. Y. Boudoir novelty. 191,931; Nov. 25; Serial No. 197,850; published Sept. 2, 1924.

Lombard, G., Paris, France. Perfumery. 191,988; Nov. 25; Serial No. 199,500; published Sept. 2, 1924.

Long, C. Smith, Portland, Ore. Mouth massage for cleansing the teeth, gums, etc. 192,190; Nov. 25; Serial No. 200,332; published Sept. 16, 1924.

Loomis & Willson Co., The, Hartford, Conn. Table and dairy salt. 192,169; Nov. 25; Serial No. 174,019; published Sept. 16, 1924.

Lorraine Manufacturing & Importing Company, Grand Haven, Mich. Hair nets. 192,018; Nov. 25; Serial No. 199,766; published Sept. 9, 1924.

Lotus Drug Co., The, South Bend, Ind. Prophylactic. 192,183; Nov. 25; Serial No. 200,568; published Sept. 16, 1924.

Lowell Company, The, New York, N. Y. Face cream. 192,187; Nov. 25; Serial No. 200,365; published Sept. 16, 1924.

Luft, George W., Co., Inc., The, Long Island City, N. Y. Complexion powder, face lotions, and nail polishes. 192,049; Nov. 25; Serial No. 198,320; published Aug. 12, 1924.

Magliato, Henry, doing business as The Bay-Kerrs Company, New York, N. Y. Eye balsam. 192,067; Nov. 25; Serial No. 200,456; published Sept. 9, 1924.

Marker, Jeanette, Chicago, Ill. Face enamel, skin and tissue cream, and cleansing lotion. 192,043; Nov. 25; Serial No. 197,890; published Aug. 12, 1924.

Martin, Walter S., Canton, N. C. Medicinal preparation. 192,070; Nov. 25; Serial No. 200,336; published Sept. 9, 1924.

Maseola, Anthony, doing business as Greater New York Barber Supply, Brooklyn, N. Y. Hair tonic, face lotions, and toilet waters. 192,134; Nov. 25; Serial No. 198,753; published Sept. 16, 1924.

Massasoit Chemical Co. (See Bedrosian, Nahan B.)

Masson Seeley and Company Limited, London, England. Embossing machines, types, beveling machines, etc. 192,060; Nov. 25; Serial No. 198,149; published Sept. 2, 1924.

Master Builders Company, The, Cleveland, Ohio. Composition for patching or repairing floors, walls, etc. 192,195; Nov. 25.

Mayborn Food Products Company, The, Cleveland, Ohio. Nonalcoholic product containing orange juice. 192,200; Nov. 25.

Mayer, Francis X., Chicago, Ill. Calculating machines and devices. 191,960; Nov. 25; Serial No. 192,778; published Sept. 2, 1924.

McAllister, Jennie L., & Son, Chicago, Ill. Cough syrup. 192,170; Nov. 25; Serial No. 200,889; published Sept. 16, 1924.

Meincke & Company, New York, N. Y. Hot-water bags, rubber sheeting, hypodermic syringes, etc. 191,962; Nov. 25; Serial No. 199,510; published Sept. 2, 1924.

Meirowsky Brothers, Jersey City, N. J. Mica diaphragms for sound reproducers. 192,202; Nov. 25.

Mellier Company, Perfumer. (See Sanitol Company, assignor.)

Merkin, M. J., Paint Co., Inc., New York, N. Y. Ready roof coating. 192,230; Nov. 25.

Mexican Petroleum Corporation of Louisiana, Inc., New Orleans, La. Gasoline, lubricating oils, and greases. 192,004; Nov. 25; Serial No. 198,580; published Sept. 9, 1924.

Midland Tar Distillers Limited, The, Birmingham, England. Accelerators of vulcanization of rubber, gutta percha, and balata goods. 192,130; Nov. 25; Serial No. 198,080; published Sept. 9, 1924.

Miller, Guy L., Charlottesville, Va. Medicinal preparation. 191,977; Nov. 25; Serial No. 198,530; published Sept. 2, 1924.

Mittelstaedt, Edward L., doing business as Mocq, Burnier & Cie., Inc., New York, N. Y. Lip rouge, sachet, face powder, etc. 192,151; Nov. 25; Serial No. 197,387; published Sept. 16, 1924.

Mocq, Burnier & Cie., Inc. (See Mittelstaedt, Edward L.)

Mocq, Burnier & Cie., Inc., New York, N. Y. Perfume extracts, toilet waters, compacts, etc. 191,981; Nov. 25; Serial No. 199,896; published Sept. 2, 1924.

Molofsky, David, doing business as Silmo Chemical Company, Vineland, N. J. Preparation for use as a disinfectant, deodorant, insecticide, and germicide. 192,165; Nov. 25; Serial No. 184,509; published Sept. 16, 1924.

Monroe Products Co., New York, N. Y. Baking powder. 192,228; Nov. 25.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Monroe Silk Mills, Stroudsburg, Pa. Seam binding. 192,238; Nov. 25.

Montana Process Company, Missoula, Mont. Preparation for destroying acidity in cream. 192,045; Nov. 25; Serial No. 198,020; published Aug. 12, 1924.

Morehouse, L. M., doing business as La-Bay Mfg. Co., San Francisco, Calif. Solution used as a mouth wash. 192,085; Nov. 25; Serial No. 194,202; published Sept. 9, 1924.

Murphey, Edwin M., Macon, Miss. Medicinal preparation for use in the treatment of malaria and chills. 191,918; Nov. 25; Serial No. 177,920; published Oct. 23, 1923.

Myrurgia, S. A., Barcelona, Spain. Massage cream, perfume, etc. 192,168; Nov. 25; Serial No. 184,090; published Sept. 9, 1924.

Nachod Signal Company, Louisville, Ky. Electric railway signals. 192,234; Nov. 25.

Nassar, Mansur M., Cincinnati, Ohio. Medicine for the feet. 192,180; Nov. 25; Serial No. 200,338; published Sept. 16, 1924.

National Electric Manufacturing Co., Pittsburgh, Pa. Lubricants. 191,937; Nov. 25; Serial No. 199,757; published Sept. 9, 1924.

National Trading Company, Chicago, Ill. Hair nets. 192,002; Nov. 25; Serial No. 198,533; published Sept. 9, 1924.

Nelson Knitting Company, Rockford, Ill. Hosiery. 192,110-11; Nov. 25; Serial Nos. 199,312-13; published Sept. 9, 1924.

Nelson Knitting Company, Rockford, Ill. Hosiery. 192,136; Nov. 25; Serial No. 199,296; published Sept. 9, 1924.

Nelson Knitting Company, Rockford, Ill. Hosiery. 192,137; Nov. 25; Serial No. 199,297; published Sept. 9, 1924.

Nelson Knitting Company, Rockford, Ill. Hosiery. 192,138-45; Nov. 25; Serial Nos. 199,299-306; published Sept. 9, 1924.

Nelson Knitting Company, Rockford, Ill. Hosiery. 192,146-9; Nov. 25; Serial Nos. 199,308-11; published Sept. 9, 1924.

Nep Products Company, Boston, Mass. Ointment. 192,171; Nov. 25; Serial No. 200,826; published Sept. 16, 1924.

Neustadter Bros., San Francisco, Calif. Men's and boys' textile fabric union suits. 191,963; Nov. 25; Serial No. 189,167; published Sept. 2, 1924.

New Haven Clock Co., The, New Haven, Conn. Watches. 192,213; Nov. 25.

Odol Corporation, The, New York, N. Y. Tablets for purifying breath and taste, etc. 192,056; Nov. 25; Serial No. 198,957; published Aug. 26, 1924.

Oliver, Elizabeth, St. Louis, Mo. Pile salve. 192,074; Nov. 25; Serial No. 199,567; published Sept. 2, 1924.

Oriental Medicine Co. (See Ziani, Auguste.)

Original Tire Co., Cincinnati, Ohio. Tires, inner tubes, linings, boots, and tire patches. 191,968; Nov. 25; Serial No. 180,070; published Aug. 14, 1923.

P-D Auto Parts, Inc., The, Meriden, Conn. Automobile parts and accessories. 192,010; Nov. 25; Serial No. 199,088; published Sept. 2, 1924.

P D Q Laboratories. (See Winkates, Catherine.)

Pabst Corporation, Milwaukee, Wis. Near beer, malt cereal beverages, and malt extracts. 192,164; Nov. 25; Serial No. 185,262; published Feb. 5, 1924.

Pabst, Edmund F., doing business as Pabst Chemical Company, Chicago, Ill. Medicine (serum) for diseases of the eye. 192,060; Nov. 25; Serial No. 199,385; published Aug. 26, 1924.

Pacent Electric Company Incorporated, New York, N. Y. Telephone head sets. 192,206; Nov. 25.

Palmer School of Chiropractic, The, Davenport, Iowa. Instrument to measure temperature in the human body. 192,003; Nov. 25; Serial No. 198,535; published Sept. 2, 1924.

Paskar Watch Co. (See Bayer, Pretzfelder & Mills, Inc.)

Pearl Radio Corporation, Philadelphia, Pa. Variometers, variocouplers, transformers, etc. 191,923; Nov. 25; Serial No. 188,970; published Mar. 18, 1924.

Peck, Monroe S., doing business as Life Chemistry Institute, Erie, Pa. Compressed tablet. 192,153; Nov. 25; Serial No. 195,010; published Sept. 16, 1924.

Pennzoil Company of California, The, Los Angeles, Calif. Containers for lubricating oils. 191,964; Nov. 25; Serial No. 188,060; published Sept. 9, 1924.

Peters Cartridge Company, The, Cincinnati, Ohio. Shotgun shells and wads. 192,015; Nov. 25; Serial No. 199,493; published Sept. 9, 1924.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Coal. 192,216; Nov. 25.

Physical Culture Products Corporation, New York, N. Y. Hair shampoo. 192,191-2; Nov. 25; Serial No. 200,301-2; published Sept. 16, 1924.

Physical Culture Publishing Corp., New York, N. Y. Hair vitalizer or hair tonic. 192,154; Nov. 25; Serial No. 195,710; published Sept. 16, 1924.

Pope, Cletus H., doing business as The Pope Drug Company, Jefferson City, Mo. Foot and talcum powders, cold cream, shampoo, etc. 192,091; Nov. 25; Serial No. 197,497; published Aug. 26, 1924.

Provost, Amand J., doing business as Qualite Service Co., Providence, R. I. Face powders and creams, hair tonics and oils, etc. 192,057; Nov. 25; Serial No. 199,020; published Aug. 26, 1924.

Purvis, Rachel, Montclair, N. J. Reducing jelly. 192,101; Nov. 25; Serial No. 192,532; published Aug. 26, 1924.

Qualite Service Co. (See Provost, Amand J.)

Quigley, Loretto B., New York, N. Y. Collars. 191,906; Nov. 25; Serial No. 181,960; published Sept. 2, 1924.

Randolph Marketing Company, Los Angeles, Calif. Fresh fruits, vegetables, and cantaloupes. 192,135; Nov. 25; Serial No. 198,882; published Sept. 2, 1924.

Rath Packing Company, The, Waterloo, Iowa. Butter, lard, sliced bacon, etc. 192,210; Nov. 25.

Reed, Paul C., doing business as The Reed Laboratories, Chicago, Ill. Tissue cream, luster, etc. 192,094; Nov. 25; Serial No. 197,114; published Aug. 12, 1924.

Refiners Oil Company, The, Dayton, Ohio. Gasoline, lubricating oils, and grease. 192,205; Nov. 25.

Rehfuess & Anderson, Philadelphia, Pa. Contact insecticide. 192,006-7; Nov. 25; Serial Nos. 198,981-2; published Aug. 26, 1924.

Remiller Co., The, New York, N. Y. Talcum powder. 192,071; Nov. 25; Serial No. 200,223; published Sept. 9, 1924.

Rentz, Mary E., doing business as Re-Sal-ve Company, Catonsville, Md. Healing ointment. 191,994; Nov. 25; Serial No. 199,322; published Sept. 2, 1924.

Re-Sal-ve Company. (See Rentz, Mary E.)

Rice, Duane R., Baltimore, Md. Bread. 192,193; Nov. 25; Serial No. 192,114; published Aug. 12, 1924.

Rice, Duane R., Baltimore, Md. Bread. 192,218; Nov. 25.

Roberts, Homer C., Sioux City, Iowa. Essential inorganic food mineral combinations triturated in milk sugar. 192,090; Nov. 25; Serial No. 195,191; published Aug. 26, 1924.

Robinson, Wm. C. & Son Co., Baltimore, Md. Motor-fuel ingredient. 192,128; Nov. 25; Serial No. 200,156; published Sept. 16, 1924.

Roos, Benjamin, doing business as B. Roos & Co., Berlin, Germany. Chemicals for industrial purposes. 191,925; Nov. 25; Serial No. 191,143; published Aug. 26, 1924.

Ross, E. W., Company, The. (See Bayley, W. D., trustee.)

Royal Manufacturing Company, Toledo, Ohio. Thermo bottles and jugs. 191,995; Nov. 25; Serial No. 199,023; published Aug. 12, 1924.

Rudman & Scofield. (See Scofield, C. K.)

Ruma-Kil Chemical Company, Atlanta, Ga. Preparation for the treatment of rheumatism, neuralgia, neuritis, etc. 192,061; Nov. 25; Serial No. 199,393; published Aug. 26, 1924.

Rush, G. W. C. doing business as Rusbene Laboratories, Monroe, N. C. Pharmaceutical preparation. 192,180; Nov. 25; Serial No. 200,691; published Sept. 16, 1924.

Rushene Laboratories. (See Rush, G. W. C.)

Russell Grader Manufacturing Company, Minneapolis, Minn. Road-grading machines. 191,947-51; Nov. 25; Serial Nos. 200,283-7; published Sept. 2, 1924.

Rybak, Felix, doing business as Rybak Chemical Co., Brooklyn, N. Y. Medicine for constipation, etc. 191,936; Nov. 25; Serial No. 198,381; published Aug. 26, 1924.

Safety Appliance Mfg. Co., Portland, Oreg. Automobile lamps. 192,208; Nov. 25.

Sanitarium Equipment Co., The, Battle Creek, Mich. Electric-light-bath cabinets and therapeutic lamps, etc. 192,222; Nov. 25.

Sanitol Company, The, assignor to Mellier Company, Perfumer, St. Louis, Mo. Perfume, toilet water, face powder, etc. 191,922; Nov. 25; Serial No. 187,880; published Sept. 2, 1924.

Sansone, Antonio, Newark, N. J. Tonic for general debility and organic weakness, etc. 192,185; Nov. 25; Serial No. 200,463; published Sept. 16, 1924.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports. 192,011; Nov. 25; Serial No. 199,247; published Sept. 2, 1924.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports. 192,012; Nov. 25; Serial No. 199,255; published Sept. 2, 1924.

Scholl Manufacturing Company, Inc., Chicago, Ill. Ointments and other pharmaceutical preparations for corns. 192,076; Nov. 25; Serial No. 199,249; published Sept. 9, 1924.

Schrader, George H. F., assignor to A. Schrader's Son, Incorporated, New York, N. Y. Pneumatic and tire valves. 26,505; renewed Apr. 30, 1925.

Schuster Company, The, Cleveland, Ohio. Malted Marsh-mallow topping. 192,209; Nov. 25.

Scientific Products, Inc., Chicago, Ill. Water softener and cleansing compound. 191,979; Nov. 25; Serial No. 200,227; published Sept. 2, 1924.

Scofield, C. K., doing business as Rudman & Scofield, New York, N. Y. Tin coffee boilers and coffee urns. 191,976; Nov. 25; Serial No. 152,710; published Sept. 2, 1924.

Scofield, Evans and Company, Chicago, Ill. Wood fillers. 192,021; Nov. 25; Serial No. 200,694; published Sept. 9, 1924.

Scott, Henry L. & Company, Providence, R. I. Machine for testing the strength or stretch of materials. 191,942; Nov. 25; Serial No. 199,954; published Aug. 26, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Sharp & Dohme, Baltimore, Md.; New York, N. Y.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; Philadelphia, Pa.; and San Francisco, Calif. Germicide. 191,984; Nov. 25; Serial No. 199,801; published Sept. 2, 1924.

Shely, Elizabeth, doing business as Gisele Laboratories, Los Angeles, Calif. Face cream, wrinkle eradicator cream, rouge paste, etc. 192,153; Nov. 25; Serial No. 197,053; published Sept. 16, 1924.

Sherman & Sons Company, New York, N. Y. Cotton voile and cotton flock voile in pieces. 192,086; Nov. 25; Serial No. 196,933; published Sept. 9, 1924.

Silmo Chemical Company. (See Molofsky, David.)

Simson & Frey, Inc., New York, N. Y. Music stands. 191,987; Nov. 25; Serial No. 199,050; published Sept. 9, 1924.

Smith, Forrest H., doing business as Korrene Chemical Company, Kingston, N. C. Mouth wash and preparation for the treatment of ulcerated gums, etc. 191,991; Nov. 25; Serial No. 199,398; published Sept. 2, 1924.

Smith, Kline & French Company, Philadelphia, Pa. Eye bath. 192,152; Nov. 25; Serial No. 197,343; published Sept. 16, 1924.

Societa Anonima Prodotti Iozzi, Florence, Italy. Specific for the treatment of diseases of cattle. 192,160; Nov. 25; Serial No. 190,817; published Sept. 16, 1924.

Societe Guerlain, Paris, France. Perfumes. 191,919; Nov. 25; Serial No. 183,773; published Nov. 13, 1923.

Sphinx Sanitary Appliance Co. (See Gimurtina, Christos.)

Stahl, H. K., Company, St. Paul, Minn. Fluid for the treatment of gasoline. 192,075; Nov. 25; Serial No. 199,501; published Sept. 2, 1924.

Standard Cinema-Corporation, New York, N. Y. Motion-picture films. 192,017; Nov. 25; Serial No. 199,579; published Sept. 2, 1924.

Standard Gypsum Company, San Francisco, Calif. Hard wall finishing and casting plaster. 191,965; Nov. 25; Serial No. 184,770; published Sept. 2, 1924.

Standard Music Roll Company, Orange, N. J. Player-piano music rolls. 192,203; Nov. 25.

Standard Oil Company of New York, New York, N. Y. Petroleum and products. 191,952; Nov. 25; Serial No. 200,290; published Sept. 9, 1924.

Steinfels Freres & Co., Vincennes, France. Perfumeries and cosmetics. 191,928-9; Nov. 25; Serial Nos. 194,747-8; published Aug. 12, 1924.

Stewart, E. D., doing business as Trinity Medicine Co., Dallas, Tex. Preparation for use in cases of painful menstruation. 191,983; Nov. 25; Serial No. 199,863; published Sept. 2, 1924.

Strawbridge & Clothier, Philadelphia, Pa. Planos and phonographs. 192,232; Nov. 25.

Tacoma Grain Co., Tacoma, Wash. Wheat flour. 191,938; Nov. 25; Serial No. 199,864; published Sept. 9, 1924.

Tam-Bon Products Company, Providence, R. I. Cough sirup. 192,098; Nov. 25; Serial No. 196,942; published Aug. 26, 1924.

Tang Products Co. (See Henkin, Henry.)

Tannenbaum, August, et al. (See Wool Novelty Co., Inc., assignor.)

Tannenbaum, David, et al. (See Wool Novelty Co., Inc., assignor.)

Taylor, J. B., San Diego, Calif. Healing salves. 191,990; Nov. 25; Serial No. 198,820; published Sept. 2, 1924.

Thab Laboratories, Sheffield, Iowa. Medicinal preparation for dysmenorrhea. 192,044; Nov. 25; Serial No. 197,968; published Aug. 26, 1924.

Thompson, Henry G. & Son Co., The, New Haven, Conn. Hack-saw blades and hack-saw frames. 191,961; Nov. 25; Serial No. 191,991; published Sept. 2, 1924.

Thomson, S. H., Manufacturing Company, The, Dayton, Ohio. Radiator caps equipped with locks. 192,230; Nov. 25.

Travis and Walker, Chicago, Ill. Insecticide. 192,167; Nov. 25; Serial No. 176,660; published Sept. 16, 1924.

Tremley Oil Co., Inc., New York, N. Y. Gasoline. 192,020; Nov. 25; Serial No. 200,734; published Sept. 9, 1924.

Trinity Medicine Co. (See Stewart, E. D.)

Troy Belting & Supply Company, The, Troy, N. Y. Lubricating oil. 191,943; Nov. 25; Serial No. 199,959; published Sept. 9, 1924.

Turner, John M., doing business as American Indian Products Co., Los Angeles, Calif. Hair tonic. 192,103; Nov. 25; Serial No. 191,241; published Aug. 26, 1924.

United Oil & Natural Gas Products Corporation, Monroe, La. Hydrocarbon black. 192,119-25; Nov. 25; Serial Nos. 200,067-73; published Sept. 16, 1924.

Van Ess Laboratories, Inc., Chicago, Ill. Shampoo. 191,990; Nov. 25; Serial No. 199,409; published Sept. 2, 1924.

Vogt, Benedict F., doing business as Vogt Manufacturing Company, Louisville, Ky. Refrigerators. 191,958; Nov. 25; Serial No. 193,978; published Sept. 2, 1924.

Wagner, Charles B., jr., doing business as Wagner Specialty Co., Burlington, Wis. Calif weaners. 192,219; Nov. 25.

Wappler Electric Company, Inc., Long Island City, N. Y. X-ray apparatus. 192,220; Nov. 25.

Warren, W. Thread Wks., Westfield, Mass. Spool cotton. 192,207; Nov. 25.

Watkins, J. R., Co., The, Winona, Minn. Face powders, face creams, perfumes, etc. 192,062; Nov. 25; Serial No. 199,444; published Aug. 26, 1924.

Watkins, J. R., Co., The, Winona, Minn. Medicinal compounds. 192,066; Nov. 25; Serial No. 200,468; published Sept. 9, 1924.

West Disinfecting Company, New York, N. Y. Insecticides. 192,096; Nov. 25; Serial No. 196,995; published Aug. 26, 1924.

Wheel Jewell and Marytavy Mines, Limited, The, Glasgow, Scotland. Arsenic and arsenical compounds. 192,090; Nov. 25; Serial No. 197,788; published Aug. 26, 1924.

White, George S., Los Angeles, Calif. Therapeutic pads. 192,001; Nov. 25; Serial No. 198,334; published Sept. 2, 1924.

Wiener, William E., Inc., New York, N. Y. Silk piece goods. 192,025; Nov. 25; Serial No. 200,648; published Sept. 9, 1924.

Willer, Sam, Human Hair Goods Co., The, doing business as Wonda Made Products Co., Shreveport, La. Face powder, toilet water, cold cream, etc. 192,092; Nov. 25; Serial No. 197,310; published Aug. 26, 1924.

Wilson, Andrew, Incorporated, Springfield, N. J. Insecticides. 192,233; Nov. 25.

Wilson Laboratories, The, Chicago, Ill. Preparation to be used in the treatment of secondary anemia. 192,114; Nov. 25; Serial No. 199,593; published Sept. 9, 1924.

Winkates, Catherine, doing business as P D Q Laboratories, Chicago, Ill. Salve. 192,087; Nov. 25; Serial No. 192,231; published Sept. 9, 1924.

Wonda Made Products Co. (See Willer, Sam, Human Hair Goods Co.)

Wood, James W., doing business as The Falkill Products Co., Poughkeepsie, N. Y. Quinine and aspirin. 192,156; Nov. 25; Serial No. 195,668; published Sept. 16, 1924.

Woodstock Mfg. Co., Charleston, S. C. Cartons. 192,231; Nov. 25.

Wool Novelty Co., Inc., doing business as Dolly Gray, New York, assignor to D. Tannenbaum and A. Tannenbaum, Brooklyn, N. Y. Knitted outer garments. 191,970; Nov. 25; Serial No. 179,445; published Sept. 2, 1924.

Wright and McGill, Denver, Colo. Fishing flies. 192,215; Nov. 25.

York Laboratories Co., Inc., York, Pa. Germicidal tablets, ointment, suppositories. 192,132; Nov. 25; Serial No. 198,438; published Sept. 16, 1924.

Ziani, Auguste, doing business as Oriental Medicine Co., Windsor, Ontario, Canada. Medicine used as a nerve tonic and blood purifier. 192,157; Nov. 25; Serial No. 195,033; published Sept. 9, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Anchor Products Co., Los Angeles, Calif. Quaker-Town Pepper-Pot. For Food Products. 27,884; Nov. 25.

California Sea Food Co. (See Rex, Max A.)

Danielson, Gust A., Los Angeles, Calif. Hikedry, Makes Leather Waterproof. For Waterproof Composition "Hikedry." 27,885-6; Nov. 25.

Dolan, John R., and J. P. Shea, Brooklyn, N. Y. Old Witch Extra Strength Ammonia. For Household Ammonia. 27,887; Nov. 25.

Grady Mfg. Co., The, Long Island City, N. Y. U-Re-Ka. For Mineral Paste. 27,888; Nov. 25.

Laboratory Products Co., The, Cleveland, Ohio. Protein S.M.A. (Acidulated). For Food for Infants. 27,889; Nov. 25.

Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Mason's Chocolate Cream Yule Bells. For Candy. 27,890; Nov. 25.

Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Mason's Toros Candy. For Candy. 27,891; Nov. 25.

Millen, Stanley S., doing business as Millen Mfg. & Sales Co., Los Angeles, Calif. Millen's Dust Absorber and Polisher. For Treated Polishing and Dust-Absorbing Cloth, Fabric, or Fibrous Material. 27,892; Nov. 25.

Mittelman, I. & Co., Inc., New York, N. Y. Tru-Fit Dresses. For Ladies', Misses', Juniors', or Children's Dresses. 27,893; Nov. 25.

Packard, W. H., Rochester, N. Y. Orleans Apples. For Evaporated Apples. 27,894; Nov. 25.
 Parke Corporation, Kalamazoo, Mich. Zev. For Soap. 27,895; Nov. 25.
 Rex, Max A., doing business as California Sea Food Co., Los Angeles, Calif. South Sea. For Canned Tunny Fish. 27,896; Nov. 25.

Shea, John B. (See Dolan, J. R., and Shea.)
 Silver King Mineral Water Company, Inc., New York, N. Y. Superior Ginger Ale. For Ginger Ale. 27,897; Nov. 25.
 Tibbetts, H. R., Paint Co., Los Angeles, Calif. H. R. Tibbetts Paint Co. For Paint. 27,898; Nov. 25.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Barwood, Leon J., doing business as L. J. Barwood Mfg. Co., Stoneham, Mass. The Val-Ball Pump Packing. For Pump-Valve Packings. 7,592; Nov. 25.
 California Peach & Fig Growers, Fresno, Calif. California Fig Bread. For Bread. 7,593; Nov. 25.
 Cream of Wheat Co., Minneapolis, Minn. From Sunrise To Twilight. For Wheat Breakfast Food. 7,594; Nov. 25.
 Frank, Alfred J., St. Paul, Minn. Pine Tonic Shampoo. For Preparation to be Used for Washing the Hair. 7,595; Nov. 25.

Northam Warren Corporation, New York, N. Y. Don't Cut The Cuticle—Keep Your Nails Always Lovely The Cutex Way. For Manicure Preparations and Implements. 7,596; Nov. 25.
 Northwestern Extract Co., Milwaukee, Wis. Grape Sparkle. For Beverages. 7,597; Nov. 25.
 Olehin, L., & Co., Inc., New York, N. Y. Dresses. For Dresses Made of Silks, Cottons, and Woolens. 7,598; Nov. 25.
 Sulfer, Bertha M., San Antonio, Tex. He-Yo-Ka. For Fortune-Telling Cards. 7,599; Nov. 25.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

American Bolt Company, Birmingham, Ala. Bolts, nuts, screws, etc. 202,371; Nov. 25.
 American Insulation Company, Philadelphia, Pa. Asbestos shingles. 198,278; Nov. 25.
 American Petroleum Products Co. (See Hale, Bert L.)
 American Steel and Wire Company of New Jersey, The. Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Rope clamps 202,480; Nov. 25.
 American Thread Company, The, New York, N. Y. Cotton thread. 204,078; Nov. 25.
 Amusement Publishing Co., Atlantic City, N. J. Weekly newspaper. 203,103; Nov. 25.
 Andrew's Mill Company, Frankford, Philadelphia, Pa. Woolen goods in the piece. 199,452; Nov. 25.
 Arabel Mfg. Co., The, New York, N. Y. Adhesive. 198,207; Nov. 25.
 Ashton Valve Company, The, Cambridge, Mass. Pressure gauges. 202,541-2; Nov. 25.
 Auburn Electric Co., Butler, Ind. Electric curling and Marcel-wave irons, toasters, etc. 200,842-3; Nov. 25.
 Baker, Russell L., doing business as The Empire Farm and Nursery Company, Baileyston, Ala. Peach trees and scions. 203,070; Nov. 25.
 Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 202,971; Nov. 25.
 Bear Mill Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 202,043; Nov. 25.
 Beaver Machine & Tool Co., Inc., Newark, N. J. Electrical attachment and switch plugs. 200,417; Nov. 25.
 Becksted, Florence M., Miami, Fla. Bleach cream. 202,922; Nov. 25.
 Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 201,737; Nov. 25.
 Birdsey Flour Mills, Macon, Ga. Self-rising wheat flour. 204,005; Nov. 25.
 Birks Crawford & Lindsay, Ltd., Vancouver, British Columbia, Canada. Canned salmon. 181,722; Nov. 25.
 Boettiger, Louis A., Co., New York, N. Y. Baby pacifiers, eye shades, manicure files, etc. 198,396; Nov. 25.
 Boot's Pure Drug Co., Limited, Nottingham, England. Absorbent cotton, wool surgical lint, gauze dressings, etc. 202,320; Nov. 25.
 Boyd Packing Co., Richmond, Va. Lard compound. 200,088; Nov. 25.
 Boyles, W. C., Winston-Salem, N. C. Rubber patching together with tube of cement and tin file. 177,724; Nov. 25.
 Briggs & Stratton Company, Milwaukee, Wis. Automobile and compartment locks and locking door handles. 165,981; Nov. 25.
 Brückmann, Ernst, Ohligs-Solingen, Rhineland, Germany. Pocketknives, razors, hair clippers, etc. 184,379; Nov. 25.
 Burma-Vita Company, Minneapolis, Minn. Preparation for use in the treatment of sprains, burns, colds, etc. 198,470; Nov. 25.
 Cady, Robert J., Mount Vernon, N. Y. Map holders. 203,872; Nov. 25.
 Campa, Abelardo F., doing business as Campa's Products, New York, N. Y. Flameproofing compounds. 202,772; Nov. 25.
 Cartwright, W. B., Limited, Larkfield, Rawdon, near Leeds, England. Bay rum, bath crystals, compact face powder, etc. 203,936; Nov. 25.
 Central Scientific Company, Chicago, Ill. Electric batteries, motors, generators, and rheostats, etc. 185,444; Nov. 25.

Cerebos, Limited, Greattham and London, England. Salt. 203,253; Nov. 25.
 Charmade Cosmetic Company, Cincinnati, Ohio. Cold and vanishing creams. 200,091; Nov. 25.
 Cheramy, Inc., New York, N. Y. Perfumes, toilet waters, face creams, etc. 202,328; Nov. 25.
 Chicago Bargain House, Chicago, Ill. Hats for women. 197,254; Nov. 25.
 Chicago Bargain House, Chicago, Ill. Hats for women. 197,256; Nov. 25.
 Clarke, Edward, New York, N. Y. Toothbrushes. 202,741; Nov. 25.
 Collins & Alkman Co., Philadelphia, Pa. Pile-fabric piece goods and cut lengths. 202,582; Nov. 25.
 Columbia Specialty Co. (See Maggini, Peter.)
 Compressed Gas Corporation, Denver, Colo. Cartridges, fuses, and detonators. 193,698; Nov. 25.
 Conklin Pen Manufacturing Co., The, Toledo, Ohio. Fountain pens. 203,789; Nov. 25.
 Coppa Company, The, doing business as The Wisconsin Coffee Company, Stevens Point, Wis. Food-flavoring extracts, spices, pickles, etc. 203,790; Nov. 25.
 Corning Glass Works, Corning, N. Y. Condenser lenses, light filters, etc. 198,988; Nov. 25.
 Corporation Trust Company, The, New York, N. Y. Publication. 202,778; Nov. 25.
 Cox, Edwin M., Ewart, Mich. Nut locks. 185,511; Nov. 25.
 Crosbie, James, & Son, Belfast, Ireland. Handkerchiefs, bedspreads, sheets, pillowcases, etc. 201,024; Nov. 25.
 Crystal Mills, Inc., Brooklyn, N. Y. Dresses, suits, jackets, scarfs, sport coats, and vests. 201,918; Nov. 25.
 Davis Coal and Coke Company, The, Baltimore, Md. Coal. 203,723; Nov. 25.
 De Groff, Lewis, & Son, New York, N. Y. Olive oil. 192,903; Nov. 25.
 Doubleday, Page & Co., Garden City, N. Y. Magazine. 203,230; Nov. 25.
 Duquesne Paint Company, Pittsburgh, Pa. Ready-mixed paints. 201,336; Nov. 25.
 Earley, Alice W., Los Angeles, Calif. Laxative stomach tonic. 202,333; Nov. 25.
 Eastman Kodak Company, Rochester, N. Y. Photographic prints and enlargements. 202,800; Nov. 25.
 Elektrolux, A. B., Stockholm, Sweden. Electrically-driven vacuum cleaners. 191,590; Nov. 25.
 Eller, Hatcher & Eller, Lawton, Okla. Liver and kidney tonic. 203,563; Nov. 25.
 Ellis, George, sr., doing business as Moundville Grocery & Produce Co., Moundville, W. Va. Coffee and pastry flour. 203,796; Nov. 25.
 Empire Farm and Nursery Company, The. (See Baker, Russell L.)
 Equipment Engineering Company, The, Seneca, Kans. Tire pumps. 202,246; Nov. 25.
 Eskimo Pie Corporation, Chicago, Ill. Foil wrappers and carton containers. 201,950; Nov. 25.
 Esmond Mills, The, Esmond, Smithfield, R. I. Blankets and blanket materials. 201,951; Nov. 25.
 Evans, Ethel S., Atlanta, Ga. Laxatives. 202,056; Nov. 25.
 Exploration Bodenuntersuchungs- und Verwertungs G. m. b. H., Charlottenberg, Germany. Geological exploring instruments. 195,681; Nov. 25.
 Falter, Richard, doing business as Richard Falter Company, New York, N. Y. Textile crib sheets and sheeting. 202,802; Nov. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fendels, Charles, New York, N. Y. Pessaries. 202,389; Nov. 25.
 Florian Inc., Des Moines, Iowa. Face powder. 202,775; Nov. 25.
 Fouke Fur Company, St. Louis, Mo. Fur sealskins. 202,746-7; Nov. 25.
 Fritz, Edward B., Chicago, Ill. Annual catalogue. 203,233; Nov. 25.
 Glee Compact Phonograph Co., Inc., Brooklyn, N. Y. Phonographs. 202,338; Nov. 25.
 Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 202,303; Nov. 25.
 Goldeen, Harry B., doing business as Marvel Cosmetic Co., Chicago, Ill. Hairdressing. 203,809; Nov. 25.
 Grease Spot, Inc., The, Philadelphia, Pa. Lubricating apparatus and parts thereof. 202,805; Nov. 25.
 Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Sodium bicarbonate, witch-hazel, ammonia, and liquid blue. 203,270; Nov. 25.
 Great Lakes Paper Company, Chicago, Ill. Book paper. 198,303; Nov. 25.
 Griffin, Edward J., Wallkill, N. Y. Corn remedy. 202,554-5; Nov. 25.
 Gripite Company, Chicago, Ill. Spring lubricants. 197,932; Nov. 25.
 Gross, George H., Topeka, Kans. Leather shoe. 203,948; Nov. 25.
 Haco-Gesellschaft A.-G. Bern, Berne, Switzerland. Antiseptic. 191,229; Nov. 25.
 Hagenbotham, William, New York, N. Y. Hosiery. 197,200; Nov. 25.
 Hale, Bert L., doing business as American Petroleum Products Co., Los Angeles, Calif. Gasoline. 203,120; Nov. 25.
 Haskell, Adams Co., Boston, Mass. Ginger ale, fruit sirup, and grape juice. 196,059; Nov. 25.
 Hendey, Alfred E., doing business as The Maltex Company, New York, N. Y. General tonic. 201,896; Nov. 25.
 Henshel Co., Inc., The, New York, N. Y. Jewelry. 196,060; Nov. 25.
 Hill Manufacturing Company, Boston, Mass. Cotton piece goods. 201,957; Nov. 25.
 Home Supply Co. (See Morris, Lewis.)
 Hood Rubber Company, Watertown, Mass. Corsets. 203,881; Nov. 25.
 House of Bilba, The, Chicago, Ill. Marmalades. 203,031; Nov. 25.
 Hunt Brothers' Packing Company, San Francisco, Calif. Canned fruits and berries. 203,522; Nov. 25.
 Illinois Canning Co., The, Hoopeston, Ill. Canned corn. 203,472; Nov. 25.
 International Silver Company, Meriden and Bridgeport, Conn. Silver-plated flat tableware. 201,961; Nov. 25.
 International Tool Company, Dayton, Ohio. Metal-working punches, dies, jigs, and fixtures and special machinery. 202,752-3; Nov. 25.
 Jackson, George L., doing business as Keepwell Mfg. & Medicine Co., Charleston, W. Va. Salve. 183,573; Nov. 25.
 Johns-Manville, Incorporated, New York, N. Y. Asbestos wick packing. 203,827; Nov. 25.
 Joyce-Koebel Diamond Company, Inc., New York, N. Y. Diamond-pointed tools. 197,487; Nov. 25.
 Joyce-Koebel Diamond Company, Inc., New York, N. Y. Gauges for diamond-pointed tools. 197,488; Nov. 25.
 Kahn, Emil, New York, N. Y. Parlor board game. 202,170; Nov. 25.
 Keepwell Mfg. & Medicine Co. (See Jackson, George L.)
 Kendrick, James R., Co. Inc., Philadelphia, Pa. Abdominal supporters, shoulder caps, kneecaps, etc. 186,050; Nov. 25.
 Kent-Moore Organization, Detroit, Mich. Sets of motor-car repair tools. 200,265; Nov. 25.
 Keystone Sand & Supply Company, Pittsburgh, Pa. Sand. 203,882; Nov. 24.
 Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Wire fence. 202,018; Nov. 25.
 Klein Bros., New York, N. Y. Silks and crêpes in the piece. 201,905; Nov. 25.
 Klein, Martin A., New York, N. Y. Artificial-pearl necklaces. 201,849; Nov. 25.
 Kronberger's Laboratories, Boston, Mass. Appetizing and digestive tonic. 183,750; Nov. 25.
 Langston, H. J., Atlanta, Ga. Ointment for the treatment of eczema. 203,524; Nov. 25.
 Leader Specialty Co. Inc., Indianapolis, Ind. Tank bulbs. 202,589; Nov. 25.
 Lenthier, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 202,404; Nov. 25.
 Lerner & Sondak, New York, N. Y. Skin preparation. 203,959; Nov. 25.
 Lettercraft Paper Company, Kalamazoo, Mich. Writing paper and envelopes. 203,041; Nov. 25.
 Levi, Bert, & Co. Inc., New York, N. Y. Textile fabric made of silk and cotton. 201,960; Nov. 25.
 Lewis-Zukoski Mercantile Company, St. Louis, Mo. Girls' and ladies' hats. 200,952; Nov. 25.
 Louies Laboratories, Ltd. (See West, Charles.)

Lurman, Theodor G., Jr., Baltimore, Md. Fencelike theftproof inclosure for automobiles. 202,669-70; Nov. 25.
 MacPhail and Thompson, Greeley, doing business as The Tonsorene Laboratories, Spalding, Nebr. Preparation for the hair. 203,000; Nov. 25.
 Maggini, Peter, doing business as Columbia Specialty Co., Newark, N. J. Stomachic tonic wine. 203,526; Nov. 25.
 Maltex Company, The. (See Hendey, Alfred E.)
 Mandel, Paul, & Bro., Philadelphia, Pa. Men's and young men's suits. 197,335; Nov. 25.
 Marvel Cosmetic Co. (See Goldeen, Harry B.)
 Mayer-Stern Company, Incorporated, New York, N. Y. Underwear. 199,432; Nov. 25.
 Metropolitan Electric Protective Co. Inc., New York, N. Y. Electric burglar-alarm installations and parts thereof. 185,127; Nov. 25.
 Metropolitan Electric Protective Co. Inc., New York, N. Y. Electrical burglar-alarm installations, parts, and supplies. 185,184; Nov. 25.
 Metz, H. A., & Co., Inc., New York, N. Y. Dyestuffs. 203,888; Nov. 25.
 Morris, Lewis, doing business as Home Supply Co., Evansville, Ind. Extract malt and hops. 203,381; Nov. 25.
 Moundville Grocery & Produce Co. (See Ellis, George, sr.)
 Mueller, George J., Inc., Washington, D. C. Cough drops. 201,770; Nov. 25.
 Multiple Electric Products Company, Inc., New York, N. Y. Radio loud speakers and loud-speaker units. 185,088; Nov. 25.
 National Aniline & Chemical Company, Incorporated, New York, N. Y. Certified food colors. 204,043; Nov. 25.
 National Tent & Awning Co., Detroit, Mich. Awnings, tents, tarpaulins, etc. 203,641; Nov. 25.
 Norris, Ezra M., doing business as Rados Laboratories, Los Angeles, Calif. Dentifrice and antiseptic mouth and throat wash. 203,890; Nov. 25.
 Oswego Falls Corporation, Fulton, N. Y. Closure disks. 203,585; Nov. 25.
 Page & Shaw, Incorporated, Cambridge, Mass. Candy. 203,533; Nov. 25.
 Paint Specialties, Inc., Palmyra, N. J. Paste and ready-mixed paints, varnishes, enamels, etc. 201,506; Nov. 25.
 Paramount Laboratories Inc., Binghamton, N. Y. Food-flavoring extracts, essences, and compounds. 202,596; Nov. 25.
 Patterson, M. F., Dental Supply Company, Chicago, Ill., and St. Paul, Minn. Gold and platinum alloy metal for dental inlays and bridgework. 201,156; Nov. 25.
 Paul, D. P., & Company, New York, N. Y. Preparations to be used in the treatment of bronchitis, pneumonia, etc. 201,409; Nov. 25.
 Pawling and Harnischfeger Company, Milwaukee, Wis. Cranes, pile drivers, and excavating machinery, attachments, and parts. 202,139; Nov. 25.
 Pfaltz & Bauer, Inc., New York, N. Y. Chemicals and essential oils. 185,033; Nov. 25.
 Pitt, Millicent W., doing business as Thrift & Perseverance Mfg. Co., New York, N. Y. Skin lotions and a preparation for use in the treatment of colds, etc. 198,028; Nov. 25.
 Poirette Corsets, Inc., New York, N. Y. Corsets, brassieres, girdles, and confiners. 203,646; Nov. 25.
 Rados Laboratories. (See Norris, Ezra M.)
 Rambonnet, Carrie H., New York, N. Y. Household cleanser. 198,423; Nov. 25.
 Raymond Bag Company, The, Middletown, Ohio. Paper receptacles, paper bags. 202,222; Nov. 25.
 Reading Chewing Gum Co., Reading, Pa. Chewing gum. 203,536; Nov. 25.
 Remington Typewriter Company, Ilion and New York, N. Y. Carbon paper. 203,283; Nov. 25.
 Ritter, P. J., Company, Philadelphia, Pa. Mayonnaise dressing. 199,902; Nov. 25.
 Ritzl, Louis W., and Clifford M. Woodside, doing business as The Ritz-Wood Laboratories, Youngstown, Ohio. Antiseptic liquid remedy. 203,837; Nov. 25.
 Ritz-Wood Laboratories, The. (See Ritzl, Louis W., and Clifford M. Woodside.)
 Rogers, H. F., & Co., Huntington, N. Y. Pocket memorandum books. 201,627; Nov. 25.
 Samson, George, New York, N. Y. Hair restorer. 197,299; Nov. 25.
 San Man Chocolates Company, Boston, Mass. Candy. 203,390; Nov. 25.
 Schering & Glatz, Inc., New York, N. Y. Preparation for regulating the action of the heart. 208,976; Nov. 25.
 Schering & Glatz, Inc., New York, N. Y. Preparation for the treatment of disorders of the gall bladder, etc. 203,977; Nov. 25.
 Schutter-Johnson Candy Co., Chicago, Ill. Candy. 203,285; Nov. 25.
 Seawroft, John, & Sons Co., Ogden, Utah. Coffee, spices, and olive oil. 196,975; Nov. 25.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Sellmore Dress Company, Inc., New York, N. Y. Ladies' misses', and children's dresses and blouses. 201,470; Nov. 25.

Shipley, Robert M., Wichita, Kans. Jewelry, plated and sterling-silver flatware, etc. 202,719; Nov. 25.

Shulter, Benjamin, doing business as B. Shulter Textile Company, New York, N. Y. Linen and cotton tablecloths, doilies, napkins, and towels. 195,199; Nov. 25.

Simmons, John, Co., New York, N. Y. Steel and other metal pipe, metal valves, sectional pile casing, etc. 201,860; Nov. 25.

Société Anonyme de Laboratoire de la Radiologie, Paris, France. Bath salts. 184,429; Nov. 25.

Société An. l'Avèbène, Paris, France. Chemical products. 196,935; Nov. 25.

Standard Oil Company (New Jersey), Bayonne, N. J. Insecticides, disinfectants, and deodorants. 201,907; Nov. 25.

Standard Oil Company of New York, New York, N. Y. Benzine. 201,724; Nov. 25.

Star Watch Case Co., Ludington, Mich. Solid-gold and gold-filled watchcases. 201,629; Nov. 25.

Stockman, Henry, Elizabeth, N. J. Leather. 188,165; Nov. 25.

Taylor, Frank F., Norwood, Ohio. Toy vehicles. 202,186-7; Nov. 25.

Thrifty & Perseverance Mfg. Co. (See Pitt, Millicent W.) Time Table Advertiser, Inc., New York, N. Y. Publications. 202,961; Nov. 25.

Tingue, Brown & Co., New York, N. Y. Laundry bags. 184,003-7; Nov. 25.

Tonsorene Laboratories, The. (See MacPhail and Thompson.)

Traumüller & Raum, Schwabach, Germany. Needles for phonographs and talking machines. 202,422; Nov. 25.

Twin Peaks Canning Co., Salt Lake City, Utah. Canned vegetables. 203,349-51; Nov. 25.

Uenta Cream Doughnut Company, Wilkes-Barre, Pa. Doughnuts. 203,546; Nov. 25.

United States Finishing Company, The, New York, N. Y. Finished cotton piece goods. 170,846; Nov. 25.

Vanderbilt Newspapers, Inc., Wilmington, Del. Daily newspaper. 203,156; Nov. 25.

Walt, F. W., Lime Company, The, Glens Falls, N. Y. Lime. 203,854; Nov. 25.

Wallace Pencil Co., St. Louis, Mo. Pencils. 203,497; Nov. 25.

Webster, William A., Company, The, Memphis, Tenn. Shaving cream. 196,777; Nov. 25.

Weiner, L. & Co., Philadelphia, Pa. Ladies' hats. 203,548; Nov. 25.

Welda Ware Products Company, Erie, Pa. Cooking utensils. 184,950; Nov. 25.

Wenzel, H., Tent & Duck Co., St. Louis, Mo. Tents. 203,856; Nov. 25.

Wertheimer Brothers Ribbons Inc., New York, N. Y. Fiber ribbons in the piece. 202,426; Nov. 25.

West, Charles, doing business as Loules Laboratories, Ltd., Denver, Colo. Medicine for blood disorders. 203,064; Nov. 25.

Westerly Textile Company, The, Westerly, R. I. Textile piece goods. 201,636; Nov. 25.

Weyer, George H., St. Joseph, Mo. Hair tonics. 203,921; Nov. 25.

Winkler, Margaret J., New York, N. Y. Motion pictures. 202,268-9; Nov. 25.

Winkler-Reichmann Company, Chicago, Ill. Horns for loud-speaking receivers and the bases which support said horns. 196,945; Nov. 25.

Wisconsin Coffee Company, The. (See Copps Company.)

Wright, Alfred, Perfumer, Inc., New York, N. Y. Perfumery, toilet water, and face powder. 203,923; Nov. 25.

York and Company, Grand Rapids, Mich. Coal. 191,515; Nov. 25.

Zaka Coffee Company, Detroit, Mich. Coffee. 203,450; Nov. 25.

Zisch, George J., Newark, N. J. Jack plugs and switches. 202,766; Nov. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Bats, burlap, cotton, excelsior, etc. Boston Excelsior Company. 192,016; Nov. 25; Serial No. 199,522; published Sept. 9, 1924.

Coal. Island Creek Coal Company. 191,978; Nov. 25; Serial No. 198,525; published Sept. 9, 1924.

Coal. Philadelphia and Reading Coal and Iron Company. 192,216; Nov. 25.

Coal and coke. General Coal Company. 192,014; Nov. 25; Serial No. 199,421; published Sept. 9, 1924.

Marble. A. Bigli. 192,033; Nov. 25; Serial No. 197,988; Nov. 25; Serial No. 197,988; published Sept. 9, 1924.

Resin material. Synthetic. Etablissements Poulenc Frères (Société Anonyme). 192,035; Nov. 25; Serial No. 197,020; published Sept. 2, 1924.

CLASS 2.

Cartons. Woodstock Mfg. Co. 192,231; Nov. 25.

Containers for lubricating oils. Pennzoli Company of California. 191,964; Nov. 25; Serial No. 188,060; published Sept. 9, 1924.

Thermic bottles and jugs. Royal Manufacturing Company. 191,995; Nov. 25; Serial No. 199,023; published Aug. 12, 1924.

CLASS 3.

Key cases. Buxton Incorporated. 192,212; Nov. 25.

CLASS 6.

Animal, insect, and vermin exterminator. American Cyanamid Company. 192,073; Nov. 25; Serial No. 199,769; published Sept. 9, 1924.

Antiseptic and analgesic medicines and germicides. E. J. Cousino. 192,084; Nov. 25; Serial No. 197,584; published Sept. 2, 1924.

Antiseptic solution. W. E. Berkowitz. 191,932; Nov. 25; Serial No. 197,410; published Sept. 2, 1924.

Arsenic and arsenical compounds. Wheat Jewell and Marytavy Mines, Limited. 192,090; Nov. 25; Serial No. 197,788; published Aug. 26, 1924.

Baking powder. Monroe Products Co. 192,228; Nov. 25; Serial No. 199,292; published Sept. 2, 1924.

Blood regulator. A. C. Guzzardo. 191,924; Nov. 25; Serial No. 190,292; published Sept. 2, 1924.

Boudoir novelty. Lionel Trading Co. 191,931; Nov. 25; Serial No. 197,380; published Sept. 2, 1924.

Brilliantine, pomade, and hair tonic. M. Factor. 192,086; Nov. 25; Serial No. 193,097; published Sept. 9, 1924.

Calcium medication for bronchitis, pneumonia, etc. Iodized. Drug Products Co. 192,178; Nov. 25; Serial No. 200,715; published Sept. 16, 1924.

Chemical for assisting in dyeing operations. John Campbell & Co. 192,179; Nov. 25; Serial No. 200,710; published Sept. 16, 1924.

Chemicals. B. Roos. 191,925; Nov. 25; Serial No. 191,143; published Aug. 26, 1924.

Chemicals for cleansing and softening water. M. Albert. 191,933; Nov. 25; Serial No. 198,043; published Aug. 26, 1924.

Chlorine for psoriasis and eczema. Chlorine Products Co. 191,986; Nov. 25; Serial No. 199,821; published Sept. 16, 1924.

Compact, refills, rouge, and powder. J. Josias. 192,112; Nov. 25; Serial No. 199,475; published Sept. 16, 1924.

Compound for the treatment of rheumatic pains, headache, etc. A. J. Henderson. 192,133; Nov. 25; Serial No. 198,744; published Sept. 16, 1924.

Compound for treating colds and grip. H. J. S. Keim. 192,172-4; Nov. 25; Serial Nos. 200,766-8; published Sept. 16, 1924.

Compound for treating fabrics. Hazleton Syrup Co. 192,188; Nov. 25; Serial No. 200,358; published Sept. 16, 1924.

Cosmetics and toilet preparations. Dr. M. Albersheim. 191,989; Nov. 25; Serial No. 199,514; published Sept. 2, 1924.

Cough syrup. Jennie L. McAllister & Son. 192,170; Nov. 25; Serial No. 200,889; published Sept. 16, 1924.

Cough syrup. Tam-Bon Products Company. 192,096; Nov. 25; Serial No. 196,942; published Aug. 26, 1924.

Cream and hand beautifier. Face. H. Henkin. 192,100; Nov. 25; Serial No. 193,173; published Aug. 26, 1924.

Cream, Beauty. P. Debaugé. 192,102; Nov. 25; Serial No. 192,367; published Aug. 12, 1924.

Cream, Face. Lowell Company. 192,187; Nov. 25; Serial No. 200,365; published Sept. 16, 1924.

Cream, Facial. H. Blackett. 192,186; Nov. 25; Serial No. 200,419; published Sept. 16, 1924.

Cream, Luster, etc. Tissue. P. C. Reed. 192,094; Nov. 25; Serial No. 197,114; published Aug. 12, 1924.

Cream, perfumery, face powder, etc. Massage. Myrrina S. A. 192,106; Nov. 25; Serial No. 184,090; published Sept. 9, 1924.

Cream, wrinkle-eradicator cream, rouge paste, etc. Face. E. Shely. 192,153; Nov. 25; Serial No. 197,053; published Sept. 16, 1924.

Dentifrice. P. Lajugle. 191,921; Nov. 25; Serial No. 187,825; published Sept. 2, 1924.

Dye-stuffs, dyewoods, and dyewood extracts, etc. Dye-stuffs Corporation of America. 192,083; Nov. 25; Serial No. 197,588; published Sept. 9, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Emollient bath for the body. F. N. Lewis. 192,108; Nov. 25; Serial No. 174,463; published Aug. 26, 1924.

Enamel, skin and tissue cream, and cleansing lotion. Face. J. Marker. 192,043; Nov. 25; Serial No. 197,890; published Aug. 12, 1924.

Expectorant solution. G. F. Hargrave. 192,129; Nov. 25; Serial No. 200,197; published Sept. 9, 1924.

Eye balsam. H. Magliato. 192,067; Nov. 25; Serial No. 200,456; published Sept. 9, 1924.

Eye bath. E. C. De Witt & Co. 192,053; Nov. 25; Serial No. 198,734; published Aug. 12, 1924.

Eye bath. Smith, Kline & French Company. 192,152; Nov. 25; Serial No. 197,343; published Sept. 16, 1924.

Fire-extinguishing material. W. Z. Adamson. 192,170; Nov. 25; Serial No. 200,740; published Sept. 16, 1924.

Fluid for the treatment of gasoline. H. K. Stahl Company. 192,075; Nov. 25; Serial No. 199,501; published Sept. 2, 1924.

Food mineral combinations, Essential inorganic. H. C. Roberts. 192,099; Nov. 25; Serial No. 195,191; published Aug. 26, 1924.

Fuel ingredients, Motor. Wm. C. Robinson & Son Co. 192,128; Nov. 25; Serial No. 200,156; published Sept. 16, 1924.

Gelatin or other capsules intended for administration in the bowel. Lafayette Pharmacal Co. 192,161; Nov. 25; Serial No. 190,596; published Sept. 16, 1924.

Germicide. Sharp & Dohme. 191,984; Nov. 25; Serial No. 199,861; published Sept. 2, 1924.

Germicide and antiseptic preparations. Haco-Gesellschaft A.-G. Bern. 192,104; Nov. 25; Serial No. 191,228; published Aug. 26, 1924.

Hair cream. H. C. Addiscott. 191,917; Nov. 25; Serial No. 199,231; published Feb. 26, 1924.

Hairdressing. Lewis Drug Company. 192,118; Nov. 25; Serial No. 200,050; published Sept. 16, 1924.

Hair-removing wax. P. Greenfield. 192,162; Nov. 25; Serial No. 188,414; published Sept. 16, 1924.

Hair shampoo. Physical Culture Products Corporation. 192,191-2; Nov. 25; Serial Nos. 200,301-2; published Sept. 16, 1924.

Hair tonic. E. G. Anagnos. 192,175; Nov. 25; Serial No. 200,743; published Sept. 16, 1924.

Hair tonic. J. M. Turner. 192,103; Nov. 25; Serial No. 191,241; published Aug. 26, 1924.

Hair tonic, face lotions, and toilet waters. A. Mascola. 192,134; Nov. 25; Serial No. 198,753; published Sept. 16, 1924.

Hair tonic or scalp lotion. Kelly Brothers. 191,992; Nov. 25; Serial No. 199,361; published Sept. 16, 1924.

Hair vibrator or hair tonic. Physical Culture Publishing Corp. 192,154; Nov. 25; Serial No. 195,710; published Sept. 16, 1924.

Hydrocarbon black. United Oil & Natural Gas Products Corporation. 192,119-25; Nov. 25; Serial Nos. 200,067-73; published Sept. 16, 1924.

Insecticide. W. H. & F. Jordan, Jr., Mfg. Co. 192,088; Nov. 25; Serial No. 191,073; published Sept. 9, 1924.

Insecticide. Travis and Walker. 192,167; Nov. 25; Serial No. 176,600; published Sept. 16, 1924.

Insecticide, Contact. Rehms & Anderson. 192,006-7; Nov. 25; Serial Nos. 196,981-2; published Aug. 26, 1924.

Insecticides. West Disinfecting Company. 192,095; Nov. 25; Serial No. 196,995; published Aug. 26, 1924.

Insecticides. Andrew Wilson, Incorporated. 192,233; Nov. 25.

Laxative. F. B. Flores. 192,054; Nov. 25; Serial No. 198,797; published Aug. 26, 1924.

Laxative medicinal preparation. M. G. Gibbs. 191,920; Nov. 25; Serial No. 184,905; published Jan. 8, 1924.

Lotion. George Liberman Barber Supply Co. 191,930; Nov. 25; Serial No. 195,751; published Aug. 26, 1924.

Mange remedy. C. R. Bohrer. 192,072; Nov. 25; Serial No. 200,178; published Sept. 2, 1924.

Massage for cleansing the teeth, gums, etc. Mouth. C. S. Long. 192,190; Nov. 25; Serial No. 200,332; published Sept. 16, 1924.

Medical compound for constipation, dyspepsia, etc. Ba-Ha-Ni Laboratory, Inc. 192,078; Nov. 25; Serial No. 198,931; published Sept. 2, 1924.

Medical preparation. Catawba Chemical Company. 192,127; Nov. 25; Serial No. 200,134; published Sept. 16, 1924.

Medicinal and pharmaceutical preparations. Dr. Kilmer & Co. 192,055; Nov. 25; Serial No. 198,808; published Aug. 26, 1924.

Medicinal compounds. J. R. Watkins Co. 192,066; Nov. 25; Serial No. 200,468; published Sept. 9, 1924.

Medicinal compounds and pharmaceutical preparations. Cathcart and Cathcart, Inc. 192,047; Nov. 25; Serial No. 198,287; published Aug. 26, 1924.

Medicinal cough drops. J. W. Lightbown & Sons. 192,159; Nov. 25; Serial No. 193,604; published Sept. 16, 1924.

Medicinal preparation. W. S. Martin. 192,070; Nov. 25; Serial No. 200,336; published Sept. 9, 1924.

Medicinal preparation. G. L. Miller. 191,977; Nov. 25; Serial No. 198,630; published Sept. 2, 1924.

Medicinal preparation for coughs, colds, and bronchial asthma. L. B. Coffey. 192,115; Nov. 25; Serial No. 199,677; published Sept. 9, 1924.

Medicinal preparation for dysmenorrhea. Thab Laboratories. 192,044; Nov. 25; Serial No. 197,968; published Aug. 26, 1924.

Medicinal preparation for use in the treatment of malaria and chills. E. M. Murphy. 191,918; Nov. 25; Serial No. 177,920; published Oct. 23, 1923.

Medicinal preparations for syphilis. Anglo-American Pharmaceutical Corporation. 191,998; Nov. 25; Serial No. 198,827; published Sept. 2, 1924.

Medicinal tea. D. Back. 192,080; Nov. 25; Serial No. 198,609; published Sept. 2, 1924.

Medicine. Mrs. F. H. Crist. 192,077; Nov. 25; Serial No. 199,041; published Sept. 9, 1924.

Medicine. A. Ziani. 192,157; Nov. 25; Serial No. 195,033; published Sept. 9, 1924.

Medicine. Blood-purifying. A. J. Licking. 191,980; Nov. 25; Serial No. 199,947; published Sept. 2, 1924.

Medicine for constipation, etc. F. Rybak. 191,936; Nov. 25; Serial No. 198,381; published Aug. 26, 1924.

Medicine for rheumatism and impurities of the blood. W. H. Lee. 192,051; Nov. 25; Serial No. 198,715; published Aug. 12, 1924.

Medicine for sore throat and throat swellings. E. Karikas. 192,041; Nov. 25; Serial No. 197,818; published Aug. 12, 1924.

Medicine for the feet. M. M. Nassar. 192,189; Nov. 25; Serial No. 200,338; published Sept. 16, 1924.

Medicine for tuberculosis. J. Hamberg. 192,048; Nov. 25; Serial No. 198,304; published Aug. 26, 1924.

Medicine, Laxative. H. P. Field. 192,131; Nov. 25; Serial No. 198,229; published Sept. 16, 1924.

Medicine (serum). E. F. Pabst. 192,060; Nov. 25; Serial No. 199,385; published Aug. 26, 1924.

Medicines. Animal. H. Clay Glover Co. 192,113; Nov. 25; Serial No. 199,551; published Sept. 9, 1924.

Mouth wash. L. M. Morhouse. 192,085; Nov. 25; Serial No. 194,202; published Sept. 9, 1924.

Mouth wash and preparation for the treatment of ulcerated gums, etc. F. H. Smith. 191,991; Nov. 25; Serial No. 199,398; published Sept. 2, 1924.

Oil, Soluble sulphonated. A. Klipstein and Company. 192,050; Nov. 25; Serial No. 198,713; published Aug. 12, 1924.

Ointment. J. Farnett. 192,082; Nov. 25; Serial No. 197,590; published Sept. 9, 1924.

Ointment. Nep Products Company. 192,171; Nov. 25; Serial No. 200,826; published Sept. 16, 1924.

Ointment. External. N. B. Bedrosian. 192,009; Nov. 25; Serial No. 200,418; published Sept. 9, 1924.

Ointment. Healing. M. E. Rentz. 191,994; Nov. 25; Serial No. 199,322; published Sept. 2, 1924.

Ointment. Pile. G. J. Auclair. 192,117; Nov. 25; Serial No. 200,030; published Sept. 16, 1924.

Ointments and other pharmaceutical preparations for corns. Scholl Manufacturing Company. 192,076; Nov. 25; Serial No. 199,249; published Sept. 9, 1924.

Perfume. Flossey Dental Mfg. Co. 192,059; Nov. 25; Serial No. 199,351; published Aug. 26, 1924.

Perfume extracts, face and vanishing creams, etc. J. H. Good. 192,116; Nov. 25; Serial No. 198,689; published Sept. 16, 1924.

Perfume extracts, toilet waters, compacts, etc. Mocq. Burnier & Cie., Inc. 191,981; Nov. 25; Serial No. 199,896; published Sept. 2, 1924.

Perfume, toilet water, face powder, etc. Sanitol Company. 191,922; Nov. 25; Serial No. 187,880; published Sept. 2, 1924.

Perfumeries and cosmetics. Steinfels Frères & Co. 191,928-9; Nov. 25; Serial Nos. 194,747-8; published Aug. 12, 1924.

Perfumery. G. Lombard. 191,988; Nov. 25; Serial No. 199,560; published Sept. 2, 1924.

Perfumes. Societe Guerlain. 191,919; Nov. 25; Serial No. 183,773; published Nov. 13, 1923.

Perfumes, toilet waters, face lotions, etc. J. A. Fields. 192,079; Nov. 25; Serial No. 198,630; published Sept. 9, 1924.

Pharmaceutical preparation. Cathcart and Cathcart, Inc. 192,052; Nov. 25; Serial No. 198,730; published Aug. 26, 1924.

Pharmaceutical preparation. Haley M-O Company. 191,993; Nov. 25; Serial No. 199,354; published Sept. 16, 1924.

Pharmaceutical preparations for corns, warts, and calli. H. P. Clearwater. 192,042; Nov. 25; Serial No. 197,865; published Aug. 12, 1924.

Pills. Cathartic. Foster-McClellan Co. 192,163; Nov. 25; Serial No. 188,195; published Sept. 16, 1924.

Powder, face lotions, and nail polishes. Complexion. George W. Luft Co. 192,049; Nov. 25; Serial No. 198,320; published Aug. 12, 1924.

Powder, perfume, cold cream, etc. Face. Sam Willer Human Hair Goods Co. 192,092; Nov. 25; Serial No. 197,310; published Aug. 26, 1924.

Powder, skin lotion, skin-improver cream, etc. Face. Dame Nature Co. 192,105-8; Nov. 25; Serial Nos. 180,054-5; published Aug. 12, 1924.

Powder, Talcum. Remiller Co. 192,071; Nov. 25; Serial No. 200,223; published Sept. 9, 1924.

Powder, Toilet. Barbasol Company. 192,064; Nov. 25; Serial No. 199,454; published Aug. 26, 1924.

Powders and cream, hair tonics and oils, etc. Face. A. J. Provost. 192,057; Nov. 25; Serial No. 199,020; published Aug. 26, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Powders, cold cream, shampoo, etc. Foot and talcum. C. H. Pope. 192,001; Nov. 25; Serial No. 197,497; published Aug. 26, 1924.

Powders, face creams, perfumes, etc. Face. J. R. Watkins Co. 192,002; Nov. 25; Serial No. 199,444; published Aug. 26, 1924.

Preparation for blackhead in turkeys. C. R. Fleenor. 192,003; Nov. 25; Serial No. 197,198; published Aug. 26, 1924.

Preparation for destroying the acidity in cream. Montana Process Company. 192,045; Nov. 25; Serial No. 198,020; published Aug. 12, 1924.

Preparation for straightening and improving the hair. E. Bacon. 192,184; Nov. 25; Serial No. 200,482; published Sept. 16, 1924.

Preparation for the treatment of diphtheria, etc. L. M. Best. 192,150; Nov. 25; Serial No. 197,009; published Sept. 16, 1924.

Preparation for the treatment of rheumatism, neuralgia, neuritis, etc. Ruma-Kil Chemical Company. 192,061; Nov. 25; Serial No. 199,393; published Aug. 26, 1924.

Preparation for the treatment of secondary anemia. Wilson Laboratories. 192,114; Nov. 25; Serial No. 199,593; published Sept. 9, 1924.

Preparation for use as a disinfectant, deodorant, etc. D. Molofsky. 192,165; Nov. 25; Serial No. 184,500; published Sept. 16, 1924.

Preparation for use in cases of painful menstruation. E. D. Stewart. 191,963; Nov. 25; Serial No. 199,563; published Sept. 2, 1924.

Preparation, Pharmaceutical. G. W. C. Rush. 192,180; Nov. 25; Serial No. 200,691; published Sept. 16, 1924.

Preparations for the treatment of diseases of the kidneys, bladder, etc. Dr. Kilmer & Co. 191,997; Nov. 25; Serial No. 198,807; published Sept. 2, 1924.

Prophylactic. Lotus Drug Co. 192,183; Nov. 25; Serial No. 200,585; published Sept. 16, 1924.

Preparation for dyspepsia, indigestion, etc. Proprietary. G. M. Clark. 192,182; Nov. 25; Serial No. 200,670; published Sept. 16, 1924.

Quinine and aspirin. J. W. Wood. 192,156; Nov. 25; Serial No. 195,068; published Sept. 16, 1924.

Reducing jelly. R. Purvis. 192,101; Nov. 25; Serial No. 192,582; published Aug. 26, 1924.

Rouge. A. H. Art. 192,063; Nov. 25; Serial No. 199,433; published Aug. 26, 1924.

Rouge, sachet, face powder, etc. Lip. E. L. Mittelstaedt. 192,151; Nov. 25; Serial No. 197,387; published Sept. 16, 1924.

Rubber, gutta percha, and balata goods. Accelerators of vulcanization of. Midland Tar Distillers Limited. 192,130; Nov. 25; Serial No. 198,080; published Sept. 9, 1924.

Salt. Chas. Kurz & Co. 192,046; Nov. 25; Serial No. 198,241; published Aug. 12, 1924.

Salt, Table and dairy. Loomis & Willson Co. 192,169; Nov. 25; Serial No. 174,019; published Sept. 16, 1924.

Salts, Mineral. J. C. Crowe. 192,081; Nov. 25; Serial No. 197,658; published Sept. 9, 1924.

Salve. A. Herrick. 192,107; Nov. 25; Serial No. 178,040; published Aug. 26, 1924.

Salve. F. K. Krakowski. 192,058; Nov. 25; Serial No. 190,169; published Sept. 2, 1924.

Salve. C. Winkler. 192,067; Nov. 25; Serial No. 192,231; published Sept. 9, 1924.

Salve, Healing. J. J. Kessler. 191,982; Nov. 25; Serial No. 199,893; published Sept. 16, 1924.

Salve, Pile. E. Oliver. 192,074; Nov. 25; Serial No. 199,507; published Sept. 2, 1924.

Salves. J. B. Taylor. 191,906; Nov. 25; Serial No. 198,826; published Sept. 2, 1924.

Scalp tonic. C. Brower. 192,126; Nov. 25; Serial No. 200,132; published Sept. 16, 1924.

Shampoo. Van Ess Laboratories, Inc. 191,990; Nov. 25; Serial No. 190,400; published Sept. 2, 1924.

Shampoo preparation. Flossner Manufacturing Company. 191,965; Nov. 25; Serial No. 199,837; published Sept. 16, 1924.

Solution for the treatment of pyorrhea. Deahell Laboratories, Inc. 191,935; Nov. 25; Serial No. 198,290; published Sept. 2, 1924.

Specific for the treatment of diseases of cattle. Societa Anonima Prodotti Iozzi. 192,100; Nov. 25; Serial No. 190,817; published Sept. 16, 1924.

Tablet, Compressed. M. S. Peck. 192,158; Nov. 25; Serial No. 195,010; published Sept. 16, 1924.

Tablets. Odol Corporation. 192,066; Nov. 25; Serial No. 198,957; published Aug. 26, 1924.

Tablets, ointment, suppositories, Germicidal. York Laboratories Co. 192,132; Nov. 25; Serial No. 198,438; published Sept. 16, 1924.

Throat swab or spray. Glas ton-el Lab. Corp. 192,177; Nov. 25; Serial No. 200,717; published Sept. 16, 1924.

Toilet preparations. A. M. Braun. 192,065; Nov. 25; Serial No. 200,476; published Sept. 9, 1924.

Toilet preparations. E. M. Gooding. 191,926; Nov. 25; Serial No. 193,705; published Sept. 2, 1924.

Toilet waters, perfumes, rouges, etc. M. L. Lieber. 192,040; Nov. 25; Serial No. 197,790; published Aug. 26, 1924.

Tonic for general debility and organic weakness, etc. A. Sansone. 192,185; Nov. 25; Serial No. 200,463; published Sept. 16, 1924.

Tooth paste. H. Blackett. 192,068; Nov. 25; Serial No. 200,420; published Sept. 9, 1924.

Water softener and cleansing compound. Scientific Products, Inc. 191,979; Nov. 25; Serial No. 200,227; published Sept. 2, 1924.

Yeast for medical and chemical uses. Aktieselskabet de Danske Spritfabrikker. 192,100; Nov. 25; Serial No. 162,976; published Aug. 12, 1924.

CLASS 9.

Shells and wads. Shotgun. Peters Cartridge Company. 192,015; Nov. 25; Serial No. 199,493; published Sept. 9, 1924.

CLASS 12.

Composition for patching or repairing floors, walls, etc. Master Builders Company. 192,198; Nov. 25.

Mineral and other substances for use in road making, etc. Manufactures from. W. J. Haddfield. 192,038; Nov. 25; Serial No. 195,446; published Sept. 9, 1924.

Plaster. Hard wall finishing and casting. Standard Gypsum Company. 191,965; Nov. 25; Serial No. 184,770; published Sept. 2, 1924.

Screen doors and window screens, combination screen and storm doors, etc. Continental Company. 192,037; Nov. 25; Serial No. 196,700; published Sept. 9, 1924.

CLASS 13.

Coffee boilers and coffee urns. Tia. C. K. Scofield. 191,976; Nov. 25; Serial No. 182,716; published Sept. 2, 1924.

Valves. Drain. J. L. Bradar. 192,013; Nov. 25; Serial No. 190,342; published Sept. 2, 1924.

Valves. Pneumatic and tire. G. H. F. Schrader. 26,505; renewed Apr. 30, 1925.

CLASS 14.

Ingot, castings, bars, and bushing stock. Eagle Brass Foundry Company. 192,229; Nov. 25.

CLASS 15.

Gasoline. Tremley Oil Co. 192,020; Nov. 25; Serial No. 200,734; published Sept. 9, 1924.

Gasoline, lubricating oils, and greases. Mexican Petroleum Corporation of Louisiana. 192,004; Nov. 25; Serial No. 198,568; published Sept. 9, 1924.

Gasoline, lubricating oils, and greases. Refiners Oil Company. 192,205; Nov. 25.

Lubricants. National Electric Manufacturing Company. 191,937; Nov. 25; Serial No. 190,757; published Sept. 9, 1924.

Oil, Lubricating. Troy Belting & Supply Company. 191,943; Nov. 25; Serial No. 199,950; published Sept. 9, 1924.

Oils. Atlantic Refining Company. 192,155; Nov. 25; Serial No. 195,671; published Sept. 16, 1924.

Oils, Lubricating. Atlantic Refining Company. 192,227; Nov. 25.

Petroleum and products. Standard Oil Company of New York. 191,952; Nov. 25; Serial No. 200,290; published Sept. 9, 1924.

CLASS 16.

Finish for ceilings and wall surfaces. C. E. Bradley. 192,237; Nov. 25.

Paint, Oil. Keystone Varnish Company. 191,959; Nov. 25; Serial No. 192,179; published Sept. 9, 1924.

Paint, Paste. Keystone Varnish Company. 192,032; Nov. 25; Serial No. 200,300; published Sept. 9, 1924.

Paints, Wall. Keystone Varnish Company. 192,031; Nov. 25; Serial No. 200,361; published Sept. 9, 1924.

Roof coating. M. J. Merkin Paint Co. 192,230; Nov. 25.

Wood fillers. Scofield, Evans and Company. 192,021; Nov. 25; Serial No. 200,694; published Sept. 9, 1924.

CLASS 19.

Automobile luggage carriers. Mark Anton Mfg. Co. 191,999; Nov. 25; Serial No. 198,106; published Sept. 9, 1924.

Axle caps for vehicles, coach ironmongery, etc. Douglas Motors Limited. 191,969; Nov. 25; Serial No. 180,656; published Sept. 9, 1924.

CLASS 21.

Batteries, Dry-cell electric. Champion Carbon Mfg. Co. 192,196; Nov. 25.

Condensers for radio and wireless telegraphy apparatus. Variable air. U. S. Knoche. 191,934; Nov. 25; Serial No. 198,240; published Sept. 9, 1924.

Electric flat or sad iron. Carson, Pirie, Scott & Company. 192,109; Nov. 25.

Electric railway signals. Nachod Signal Company. 192,234; Nov. 25.

Electric timers. American Mechanical Works. 192,223; Nov. 25.

Electrical switching apparatus. Gem Engineering Corporation. 192,224; Nov. 25.

Lamp for electric automobile head lamps, Rim and auxiliary. W. F. Doran. 191,927; Nov. 25; Serial No. 194,341; published Sept. 9, 1924.

Lamps, Automobile. Safety Appliance Mfg. Co. 192,208; Nov. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Telephone head sets. Pacent Electric Company. 192,206; Nov. 25.

Variometers, variocouplers, transformers, etc. Pearl Radio Corporation. 191,923; Nov. 25; Serial No. 188,970; published Mar. 18, 1924.

CLASS 22.

Fishing flies. Wright and McGill. 192,215; Nov. 25.

CLASS 23.

Automobile parts and accessories. P-D Auto Parts, Inc. 192,010; Nov. 25; Serial No. 199,088; published Sept. 2, 1924.

Cutters, Enslage. W. D. Bayley. 191,953; Nov. 25; Serial No. 200,307; published Sept. 2, 1924.

Embossing machines, types, beveling machines, etc. Mason Seely and Company Limited. 192,000; Nov. 25; Serial No. 198,149; published Sept. 2, 1924.

Engines, Fuel-feeding apparatus for internal-combustion. G. J. Burns. 191,875; Nov. 25; Serial No. 159,779; published July 18, 1922.

Grading machines, Road. Russell Grader Manufacturing Company. 191,947-51; Nov. 25; Serial Nos. 200,283-7; published Sept. 2, 1924.

Grinding machines, Internal. Greenfield Tap and Die Corporation. 191,946; Nov. 25; Serial No. 200,196; published Sept. 2, 1924.

Hack-saw blades and frames. Henry G. Thompson & Son Co. 191,961; Nov. 25; Serial No. 191,991; published Sept. 2, 1924.

Oil cups, locomotive bell ringers, and rotary pumps, Lubricating. Badger Manufacturing Company. 192,039; Nov. 25; Serial No. 195,206; published Aug. 26, 1924.

Reamers, separator knives, etc. Terminal connector. Battery Equipment & Supply Co. 191,974; Nov. 25; Serial No. 160,581; published Aug. 26, 1924.

CLASS 25.

Radiator caps equipped with locks. S. H. Thomson Manufacturing Company. 192,236; Nov. 25.

CLASS 26.

Calculating machines and devices. F. X. Mayer. 191,960; Nov. 25; Serial No. 192,778; published Sept. 2, 1924.

Measuring electrical current, pressure, and resistances. Combined instrument for. Automatic Coil Winder and Electrical Equipment Company Limited. 192,008; Nov. 25; Serial No. 199,030; published Aug. 26, 1924.

Picture films, Motion. Standard Cinema Corporation. 192,017; Nov. 25; Serial No. 199,579; published Sept. 2, 1924.

Strength or stretch of materials. Machines for testing. Henry L. Scott & Company. 191,942; Nov. 25; Serial No. 199,954; published Aug. 26, 1924.

CLASS 27.

Clocks and watches. Knickerbocker Watch Co. 192,225; Nov. 25.

Watches. Bayer, Pretzfelder & Mills, Inc. 192,235; Nov. 25.

Watches. New Haven Clock Co. 192,213; Nov. 25.

Watches, watchcases, and watch movements. Gruen Watch Company. 192,204; Nov. 25.

CLASS 31.

Refrigerators. B. F. Vogt. 191,958; Nov. 25; Serial No. 193,978; published Sept. 2, 1924.

Tripoll filter stones, pressure, siphon, and disk filters. American Tripoll Company. 191,945; Nov. 25; Serial No. 200,173; published Sept. 9, 1924.

CLASS 35.

Tires and inner tubes. Gates Rubber Company. 192,201; Nov. 25.

Tires, inner tubes, linings, boots, and tire patches. Original Tire Co. 191,968; Nov. 25; Serial No. 180,670; published Aug. 14, 1923.

CLASS 36.

Clarinets. C. Bruno & Son, Inc. 192,226; Nov. 25.

Music rolls, Player-piano. Standard Music Roll Company. 192,203; Nov. 25.

Music stands. Simson & Frey, Inc. 191,987; Nov. 25; Serial No. 190,650; published Sept. 9, 1924.

Pianos and phonographs. Strawbridge & Clothier. 192,232; Nov. 25.

Sound reproducers. Mica diaphragms for. Melrowsky Brothers. 192,202; Nov. 25.

CLASS 39.

Cloaks and suits, Ladies. A. Altshuler Merchandising Co. 191,973; Nov. 25; Serial No. 175,639; published Sept. 2, 1924.

Collars. L. B. Quigley. 191,966; Nov. 25; Serial No. 181,960; published Sept. 2, 1924.

Hose, Infants. Hub Hosiery Mills. 191,971; Nov. 25; Serial No. 178,389; published Sept. 2, 1924.

Hosiery. Burd Knitting Mills Co. 191,972; Nov. 25; Serial No. 177,271; published Sept. 2, 1924.

Hosiery. Davenport Hosiery Mills. 191,967; Nov. 25; Serial No. 181,819; published June 10, 1924.

Hosiery. James P. Grey & Co. 192,005; Nov. 25; Serial No. 198,944; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,110-11; Nov. 25; Serial Nos. 199,312-13; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,136; Nov. 25; Serial No. 199,296; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,187; Nov. 25; Serial No. 199,297; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,138; Nov. 25; Serial No. 199,299; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,139-45; Nov. 25; Serial Nos. 199,300-6; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,146; Nov. 25; Serial No. 199,308; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,147-9; Nov. 25; Serial Nos. 199,309-11; published Sept. 9, 1924.

Knitted outer garments. Wool Novelty Co. 191,970; Nov. 25; Serial No. 179,445; published Sept. 2, 1924.

Shoes. Field & Flint Co. 192,168; Nov. 25; Serial No. 175,717; published June 5, 1923.

Suits and trousers. Brent-Hurst Company. 192,221; Nov. 25.

Underwear. American Wholesale Corporation. 192,089; Nov. 25; Serial No. 131,089; published July 22, 1924.

Union suits, Men's and boys' textile-fabric. Neustadter Bros. 191,963; Nov. 25; Serial No. 189,107; published Sept. 2, 1924.

CLASS 40.

Seam binding. Monroe Silk Mills. 192,238; Nov. 25.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 192,022; Nov. 25; Serial No. 200,661; published Sept. 9, 1924.

Awning stripes and ticking. John Boyle & Company. 192,023; Nov. 25; Serial No. 200,658; published Sept. 9, 1924.

Awning stripes and ticking. John Boyle & Company. 192,024; Nov. 25; Serial No. 200,652; published Sept. 9, 1924.

Cotton piece goods. Hunter Manufacturing & Commission Co. 192,007; Nov. 25; Serial No. 199,004; published Sept. 9, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Assoc. (U. S. A.). 192,009; Nov. 25; Serial No. 199,036; published Sept. 9, 1924.

Fabrics in the piece. Pile. Sidney Blumenthal & Co. 192,026-9; Nov. 25; Serial Nos. 200,472-5; published Sept. 9, 1924.

Fabrics in the piece. Pile. Sidney Blumenthal & Co. 192,030; Nov. 25; Serial No. 200,421; published Sept. 9, 1924.

Hair nets. Lorraine Manufacturing & Importing Company. 192,018; Nov. 25; Serial No. 199,706; published Sept. 9, 1924.

Hair nets. National Trading Company. 192,002; Nov. 25; Serial No. 198,533; published Sept. 9, 1924.

Knitted cloth and fabric in the piece. Arsilik Knitting Mills. 191,939; Nov. 25; Serial No. 199,873; Sept. 9, 1924.

Knitted cloth and fabric in the piece. Crystal Mills, Inc. 191,940; Nov. 25; Serial No. 199,861; published Sept. 9, 1924.

Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 192,019; Nov. 25; Serial No. 200,803; published Sept. 9, 1924.

Ribbons in the piece. Silk and satin. Kaltenbach & Stephens, Inc. 191,944; Nov. 25; Serial No. 200,047; published Sept. 9, 1924.

Silk fabrics in the piece. H. K. H. Silk Co. 192,217; Nov. 25.

Silk knitted cloth in the piece. Levi & Sellman, Inc. 191,955-6; Nov. 25; Serial Nos. 200,328-9; published Sept. 9, 1924.

Silk piece goods. William E. Wiener, Inc. 192,025; Nov. 25; Serial No. 200,648; published Sept. 9, 1924.

Silk piece goods, silk ribbons, and velvet piece goods. Burton, Price & Company. 192,006; Nov. 25; Serial No. 198,983; published Sept. 9, 1924.

Voiles, Cotton. Sherman & Sons Company. 192,036; Nov. 25; Serial No. 190,933; published Sept. 9, 1924.

CLASS 43.

Cotton, Spool. W. Warren Thread Wks. 192,207; Nov. 25.

CLASS 44.

Absorbent pads or sheets. Cellucotton Products Company. 191,941; Nov. 25; Serial No. 199,932; published Sept. 2, 1924.

Arch supports. Schell Manufacturing Company. 192,011; Nov. 25; Serial No. 199,247; published Sept. 2, 1924.

Arch supports. Schell Manufacturing Company. 192,012; Nov. 25; Serial No. 199,255; published Sept. 2, 1924.

Catamenial bandages. C. Gimurtina. 191,957; Nov. 25; Serial No. 194,000; published Sept. 2, 1924.

Electric-light-bath cabinets and therapeutic lamps, etc. Sanitarium Equipment Co. 192,222; Nov. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Hot-water bags, rubber sheeting, hypodermic syringes, etc. Meisner & Company. 191,962; Nov. 25; Serial No. 190,510; published Sept. 2, 1924.
Medicinal and surgical appliances. First Aid Specialty Co. 192,034; Nov. 25; Serial No. 197,478; published Sept. 2, 1924.
Pads, Therapeutic. G. S. White. 192,001; Nov. 25; Serial No. 198,334; published Sept. 2, 1924.
Temperature in the human body, instrument to measure. Palmer School of Chiropractic. 192,003; Nov. 25; Serial No. 198,535; published Sept. 2, 1924.
X-ray apparatus. Wappler Electric Company. 192,220; Nov. 25.

CLASS 45.

Beverage and sirup for making the same. P. E. Barnett. 192,197; Nov. 25.
Ginger ale. John Graf Company. 192,211; Nov. 25.
Nonalcoholic product containing orange juice. Mayborn Food Products Company. 192,200; Nov. 25.

CLASS 46.

Beef, canned pork, sausage, etc. Corned. Foster Packing Company. 192,214; Nov. 25.
Bread. D. R. Rice. 192,193; Nov. 25.
Bread. D. R. Rice. 192,218; Nov. 25.

Butter, lard, boiled ham, etc. Rath Packing Company. 192,210; Nov. 25.
Candy. E. A. Hoffman Candy Co. 191,954; Nov. 25; Serial No. 200,318; published Sept. 2, 1924.
Canned fruits, vegetables, and fish. Haas Brothers. 192,181; Nov. 25; Serial No. 200,681; published Sept. 9, 1924.
Flour. France Milling Company. 192,195; Nov. 25.
Flour, Wheat. Tacoma Grain Co. 191,938; Nov. 25; Serial No. 199,864; published Sept. 9, 1924.
Fruits, vegetables, and cantaloupes. Randolph Marketing Company. 192,135; Nov. 25; Serial No. 198,582; published Sept. 2, 1924.
Marshmallow topping. Malted. Schuster Company. 192,209; Nov. 25.

CLASS 48.

Beer, malt cereal beverage, and malt extracts. Near. Pabst Corporation. 192,164; Nov. 25; Serial No. 185,262; published Feb. 5, 1924.

CLASS 50.

Canvases, tents, covers, and paulins, Waterproofed. Hettrick Manufacturing Co. 192,194; Nov. 25.
Weaners, Calif. C. B. Wagner, Jr. 192,219; Nov. 25.

ALPHABETICAL LIST OF LABELS.

H. R. Tibbetts Paint Co. For Paint. H. R. Tibbetts Paint Co. 27,898; Nov. 25.
Hikedy, Makes Leather Waterproof. For Waterproof Composition "Hikedy." G. A. Danielson. 27,855-6; Nov. 25.
Mason's Chocolate Cream Yule Bells. For Candy. Mason, Au & Magenheimer Confectionery Manufacturing Company. 27,890; Nov. 25.
Mason's Toros Candy. For Candy. Mason, Au & Magenheimer Confectionery Manufacturing Company. 27,891; Nov. 25.
Millen's Dust Absorber and Polisher. For Treated Polishing and Dust-Absorbing Cloth, Fabric, or Fibrous Material. S. S. Millen. 27,892; Nov. 25.
Old Witch Extra Strength Ammonia. For Household Ammonia. J. R. Dolan and J. P. Shea. 27,887; Nov. 25.

Orleans Apples. For Evaporated Apples. W. H. Packard. 27,894; Nov. 25.
Protein, S.M.A. (Acidulated). For Food for Infants. Laboratory Products Co. 27,889; Nov. 25.
Quaker-Town Pepper-Pot. For Food Products. Anchor Products Co. 27,884; Nov. 25.
South Sea. For Canned Tunny Fish. M. A. Rex. 27,896; Nov. 25.
Superior Ginger Ale. For Ginger Ale. Silver King Mineral Water Company. 27,897; Nov. 25.
Tru-Fit Dresses. For Ladies', Misses', Juniors', or Children's Dresses. I. Mittelman & Co. 27,893; Nov. 25.
U-Re-Ka. For Mineral Paste. Grady Mfg. Co. 27,888; Nov. 25.
Zev. For Soap. Parke Corporation. 27,895; Nov. 25.

ALPHABETICAL LIST OF PRINTS.

California Fig Bread. For Bread. California Peach & Fig Growers. 7,593; Nov. 25.
Don't Cut The Cuticle—Keep Your Nails Always Lovely The Cutex Way. For Manicure Preparations and Implements. Northam Warren Corporation. 7,596; Nov. 25.
Dresses. For Dresses Made of Silks, Cottons, and Woolens. L. Olchin & Co. 7,598; Nov. 25.
From Sunrise to Twilight. For Wheat Breakfast Food. Cream Of Wheat Co. 7,594; Nov. 25.

Grape Sparkle. For Beverages. Northwestern Extract Co. 7,597; Nov. 25.
He-Yo-Ka. For Fortune-Telling Cards. B. M. Sulfer. 7,599; Nov. 25.
Pine Tonic Shampoo. For Preparation to be Used for Washing the Hair. A. J. Krank. 7,595; Nov. 25.
The Val-Ball Pump Packing. For Pump-Valve Packings. L. J. Barwood. 7,592; Nov. 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Davis Coal and Coke Company. 203,723; Nov. 25.
Coal. York and Company. 191,515; Nov. 25.
Fur sealskins. Fouke Fur Company. 202,740-7; Nov. 25.
Leather. H. Stockman. 188,163; Nov. 25.
Sand. Keystone Sand & Supply Company. 203,882; Nov. 25.
Trees and scions, Peach. R. L. Baker. 203,070; Nov. 25.

CLASS 2.

Paper receptacles, paper bags. Raymond Bag Company. 202,222; Nov. 25.
Wrappers and carton containers. Foll. Eskimo Pie Corporation. 201,950; Nov. 25.

CLASS 4.

Cleanser. C. H. Rambonnet. 198,423; Nov. 25.
Cream, Shaving. William A. Webster Company. 196,777; Nov. 25.

CLASS 5.

Adhesive. Arabol Mfg. Co. 198,207; Nov. 25.

CLASS 6.

Antiseptic. Haco-Gesellschaft A.-G. Bern. 191,229; Nov. 25.

Bay rum, bath crystals, face powder, etc. W. B. Cartwright, Limited. 203,936; Nov. 25.
Chemical products. Société An. l'Arébéne. 196,935; Nov. 25.
Chemicals and essential oils. Pfaltz & Bauer, Inc. 185,033; Nov. 25.
Colors, Certified food. National Aniline & Chemical Company. 204,043; Nov. 25.
Corn remedy. E. J. Griffin. 202,554-5; Nov. 25.
Cough drops. George J. Mueller, Inc. 201,770; Nov. 25.
Cream, Bleach. F. M. Beckstedt. 202,922; Nov. 25.
Creams, Cold and vanishing. Charmade Cosmetic Company. 200,091; Nov. 25.
Dentifrice and antiseptic mouth and throat wash. E. M. Norris. 203,890; Nov. 25.
Dyestuffs. H. A. Metz & Co. 203,888; Nov. 25.
Flameproofing compounds. A. F. Campa. 202,772; Nov. 25.
Hairdressing. H. B. Goldeen. 203,809; Nov. 25.
Hair restorer. G. Samson. 197,299; Nov. 25.
Hair tonics. G. H. Weyer. 203,921; Nov. 25.
Insecticides, disinfectants, and deodorants. Standard Oil Company (New Jersey). 201,907; Nov. 25.
Laxatives. E. S. Evans. 202,056; Nov. 25.
Lotions and a preparation for use in the treatment of colds, etc. Skin. M. W. Pitt. 198,028; Nov. 25.
Medicine. C. West. 203,064; Nov. 25.
Ointment. H. J. Langston. 203,524; Nov. 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Perfume, toilet water, face powder, etc. Lenthier, Inc. 202,404; Nov. 25.
Perfumery, toilet water, and face powder. Alfred Wright Perfumer, Inc. 203,923; Nov. 25.
Perfumes, toilet waters, face creams, etc. Cheramy, Inc. 202,828; Nov. 25.
Powder, Face. Florian Inc. 202,775; Nov. 25.
Preparation for regulating the action of the heart. Schering & Glatz, Inc. 203,976; Nov. 25.
Preparation for sprains, colds, etc. Burma-Vita Company. 198,470; Nov. 25.
Preparation for the hair. MacPhail and Thompson. 203,000; Nov. 25.
Preparation for treatment of disorders of the gall bladder and liver. Schering & Glatz, Inc. 203,977; Nov. 25.
Preparations to be used in the treatment of bronchitis, pneumonia, etc. D. P. Paul & Company. 201,409; Nov. 25.
Remedy for burns, etc. Antiseptic liquid. L. W. Ritzl and C. M. Woodside. 203,837; Nov. 25.
Salt. Cerebos, Limited. 203,253; Nov. 25.
Salts, Bath. Société Anonyme de Laboratoire de la Radiologie. 184,429; Nov. 25.
Salve. G. L. Jackson. 183,573; Nov. 25.
Skin preparation. Lerner & Sondak. 203,950; Nov. 25.
Sodium bicarbonate, witch-hazel, ammonia, and liquid blue. Great Atlantic & Pacific Tea Company. 203,270; Nov. 25.
Tonic. Eller, Hatcher & Eller. 203,563; Nov. 25.
Tonic. Kronberger's Laboratories. 183,750; Nov. 25.
Tonic, General. A. E. Hendey. 201,896; Nov. 25.
Tonic, Laxative stomach. A. W. Earley. 202,333; Nov. 25.
Tonic wine, Stomachic. P. Maggini. 203,526; Nov. 25.

CLASS 9.

Cartridges, fuses, and detonators. Compressed Gas Corporation. 193,698; Nov. 25.

CLASS 11.

Carbon paper. Remington Typewriter Company. 203,283; Nov. 25.

CLASS 12.

Lime. F. W. Walt Lime Company. 203,854; Nov. 25.
Shingles, Asbestos. American Insulation Company. 198,278; Nov. 25.

CLASS 13.

Bolts, nuts, screws, etc. American Bolt Company. 202,371; Nov. 25.
Clamps, Rope. American Steel and Wire Company of New Jersey. 202,480; Nov. 25.
Cooking utensils. Welda Ware Products Company. 184,950; Nov. 25.
Fence, Wire. Keystone Steel & Wire Company. 202,018; Nov. 25.
Locks, Nut. E. M. Cox. 185,511; Nov. 25.
Pipe, metal valves, sectional pipe casing, Steel and other metal. John Simmons Co. 201,860; Nov. 25.
Tank bulbs. Leader Specialty Co. 202,589; Nov. 25.

CLASS 15.

Benzine. Standard Oil Company of New York. 201,724; Nov. 25.
Gasoline. B. L. Hale. 203,120; Nov. 25.
Lubricants, Spring. Griplite Company. 197,932; Nov. 25.

CLASS 16.

Paints, Ready-mixed. Dusquesne Paint Company. 201,336; Nov. 25.
Paints, varnishes, enamels, etc. Paint Specialties, Inc. 201,506; Nov. 25.

CLASS 21.

Batteries, motors, generators, and rheostats, etc. Electric Central Scientific Company. 185,444; Nov. 25.
Electric burglar-alarm installations and parts thereof. Metropolitan Electric Protective Co. 185,127; Nov. 25.
Electric curling and Marcel-wave irons, toasters, etc. Auburn Electric Co. 200,842-3; Nov. 25.
Electrical burglar-alarm installations, parts, and supplies. Metropolitan Electric Protective Co. 185,184; Nov. 25.
Electrically-driven vacuum cleaners. A. B. Elektrolux. 191,500; Nov. 25.
Horns and bases which support said horns. Winkler-Reichmann Company. 196,945; Nov. 25.
Plugs. Beaver Machine & Tool Co. 200,417; Nov. 25.
Plugs and switches. Jack. G. J. Zisch. 202,766; Nov. 25.
Radio loud speakers and loud-speaker units. Multiple Electric Products Company. 185,088; Nov. 25.

CLASS 22.

Game, Parlor board. E. Kahn. 202,170; Nov. 25.
Toy vehicles. F. F. Taylor. 202,186-7; Nov. 25.

CLASS 23.

Car repair tools, Sets of motor-. Kent-Moore Organization. 200,265; Nov. 25.

Cranes, pile drivers, and excavating machinery, attachments and parts. Pawling and Harnischfeger Company. 202,139; Nov. 25.
Lubricating apparatus and parts thereof. Grease Spot, Inc. 202,805; Nov. 25.
Pocketknives, razors, hair clippers, etc. E. Brückmann. 184,879; Nov. 25.
Pumps, Tire. Equipment Engineering Company. 202,246; Nov. 25.
Punches, dies, jigs, and fixtures and special machinery, Metal-working. International Tool Company. 202,752-3; Nov. 25.
Tools, Diamond-pointed. Joyce-Koebel Diamond Company. 197,487; Nov. 25.

CLASS 24.

Bags, Laundry. Tingue, Brown & Co. 184,003-7; Nov. 25.

CLASS 25.

Automobiles, Fencelike thieftproof inclosure for. T. G. Lurman, Jr. 202,669-70; Nov. 25.
Locks and locking door handles, Automobile compartment. Briggs & Stratton Company. 165,981; Nov. 25.

CLASS 26.

Gauges, Pressure. Ashton Valve Company. 202,541-2; Nov. 25.
Geological exploring instruments. Exploration Boden-untersuchungs- und Verwertungs G. m. b. H. 195,681; Nov. 25.
Lenses, light filters, etc. Condenser. Corning Glass Works. 198,988; Nov. 25.
Pictures, Motion. M. J. Winkler. 202,268-9; Nov. 25.
Tools, Gauges for diamond-pointed. Joyce-Koebel Diamond Company. 197,488; Nov. 25.

CLASS 27.

Watchcases, Solid gold and gold-filled. Star Watch Case Co. 201,629; Nov. 25.

CLASS 28.

Jewelry. Henshel Co. 196,060; Nov. 25.
Jewelry, plated and sterling-silver flatware, etc. R. M. Shipley. 202,719; Nov. 25.
Necklaces, Artificial-pearl. M. A. Klein. 201,849; Nov. 25.
Tableware, Plated. International Silver Company. 201,961; Nov. 25.

CLASS 29.

Toothbrushes. E. Clarke. 202,741; Nov. 25.

CLASS 35.

Packing, Asbestos wick. Johns-Manville, Incorporated. 203,827; Nov. 25.
Rubber patching together with tube of cement and tin file. W. C. Boyles. 177,724; Nov. 25.

CLASS 36.

Phonographs. Glee Compact Phonograph Co. 202,338; Nov. 25.
Phonographs and talking machines, Needles for. Trau-müller & Raum. 202,422; Nov. 25.

CLASS 37.

Books, Pocket memorandum. H. F. Rogers & Co. 201,627; Nov. 25.
Paper and envelopes, Writing. Lettercraft Paper Company. 203,041; Nov. 25.
Paper, Book. Great Lakes Paper Company. 198,303; Nov. 25.
Pencils. Wallace Pencil Co. 203,497; Nov. 25.
Pens, Fountain. Conklin Pen Manufacturing Co. 203,789; Nov. 25.

CLASS 38.

Catalogue. E. B. Fritz. 203,233; Nov. 25.
Magazine, Doubleday, Page & Co. 203,230; Nov. 25.
Newspaper, Daily. Vanderbilt Newspapers, Inc. 203,156; Nov. 25.
Newspaper, Weekly. Amusement Publishing Co. 203,103; Nov. 25.
Photographic prints and enlargements. Eastman Kodak Company. 202,800; Nov. 25.
Publication. Corporation Trust Company. 202,773; Nov. 25.
Publications. Time Table Advertiser, Inc. 202,961; Nov. 25.

CLASS 39.

Corsets. Hood Rubber Company. 203,881; Nov. 25.
Corsets, brassières, girdles, and confiners. Pollette Corsets, Inc. 203,046; Nov. 25.
Dresses and blouses. Sellmore Dress Company. 201,470; Nov. 25.
Dresses, suits, jackets, scarfs, sport coats, and vests. Crystal Mills, Inc. 201,918; Nov. 25.
Hats for women. Chicago Bargain House. 197,254; Nov. 25.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hats for women. Chicago Bargain House. 197,256; Nov. 25.
Hats, Girls' and ladies'. Levis-Zukoski Mercantile Company. 200,952; Nov. 25.
Hats, Ladies'. L. Weiner & Co. 203,548; Nov. 25.
Hosiery. W. Hagenbotham. 197,200; Nov. 25.
Shoe, Leather. G. H. Gross. 203,948; Nov. 25.
Suits. Men's and young men's. Paul Mandel & Bro. 197,335; Nov. 25.
Underwear. Mayer-Stern Company. 199,432; Nov. 25.

CLASS 42.

Blankets and blanket materials. Esmond Mills. 201,951; Nov. 25.
Cotton piece goods. Bear Mill Manufacturing Company. 202,043; Nov. 25.
Cotton piece goods. Hill Manufacturing Company. 201,957; Nov. 25.
Cotton piece goods. Finished. United States Finishing Company. 170,846; Nov. 25.
Fabric piece goods and cut lengths. Pile. Collins & Alkman Co. 202,582; Nov. 25.
Fabrics. Knitted silk. Banner Silk Knitting Mills, Inc. 202,971; Nov. 25.
Hair nets. S. Glemby's Sons Co. 202,393; Nov. 25.
Handkerchiefs, bedspreads, sheets, pillowcases, etc. James Crosbie & Son. 201,024; Nov. 25.
Linen and cotton tablecloths, dollies, napkins, and towels. B. Shulter. 195,199; Nov. 25.
Ribbons in the piece. Fiber. Wertheimer Brothers Ribbons, Inc. 202,426; Nov. 25.
Sheets and sheeting. Crib. R. Falter. 202,802; Nov. 25.
Silk and cotton textile fabric. Bert Levi & Co. 201,966; Nov. 25.
Silks and crepes in the piece. Klein Bros. 201,965; Nov. 25.
Textile piece goods. Westerly Textile Company. 201,636; Nov. 25.
Woolen goods in the piece. Andrew's Mill Company. 199,452; Nov. 25.
Woolen piece goods. Billhuber-Wawak Company. 201,737; Nov. 25.

CLASS 43.

Thread, Cotton. American Thread Company. 204,073; Nov. 25.

CLASS 44.

Abdominal supporters, shoulder, caps, leggings, etc. James R. Kendrick Co. 186,650; Nov. 25.
Cotton wool, surgical lint, etc. Absorbent. Boot's Pure Drug Co. 202,320; Nov. 25.
Gold and platinum alloy metal. M. F. Patterson Dental Supply Company. 201,150; Nov. 25.

Pacifics, eye shades, manicure files, etc. Baby. Louis A. Boettiger Co. 198,806; Nov. 25.
Pessaries. C. Fendels. 202,380; Nov. 25.

CLASS 45.

Ginger ale, fruit sirup, and grape juice. Haskell, Adams Co. 196,050; Nov. 25.

CLASS 46.

Candy. Page & Shaw, Incorporated. 203,533; Nov. 25.
Candy. San Man Chocolate Company. 203,890; Nov. 25.
Candy. Schuttler-Johnson Candy Co. 203,285; Nov. 25.
Canned corn. Illinois Canning Co. 203,472; Nov. 25.
Canned fruits and berries. Hunt Brothers Packing Company. 202,522; Nov. 25.
Canned salmon. Birks Crawford & Lindsey, Ltd. 181,722; Nov. 25.
Canned vegetables. Twin Peaks Canning Co. 203,349-51; Nov. 25.
Coffee. Zaka Coffee Company. 203,450; Nov. 25.
Coffee and pastry flour. G. Ellis, sr. 203,796; Nov. 25.
Coffee, spices, and olive oil. John Scowcroft & Sons Co. 196,975; Nov. 25.
Doughnuts. Uenta Cream Doughnut Company. 203,546; Nov. 25.
Flavoring extracts, essences, and compounds. Food-Paramount Laboratories Inc. 202,596; Nov. 25.
Flavoring extracts, spices, molasses, etc. Food-Coppe Company. 203,790; Nov. 25.
Flour, Self-rising wheat. Birdsey Flour Mills. 204,005; Nov. 25.
Gum, Chewing. Reading Chewing Gum Co. 203,536; Nov. 25.
Lard compound. Boyd Packing Co. 200,088; Nov. 25.
Marmalades. House of Bilba. 203,631; Nov. 25.
Mayonnaise dressing. P. J. Ritter Company. 199,902; Nov. 25.
Oil, Olive. Lewis De Groff & Son. 192,963; Nov. 25.

CLASS 48.

Extract malt and hops. L. Morris. 203,381; Nov. 25.

CLASS 50.

Awnings, tents, covers, etc. National Tent & Awning Co. 203,641; Nov. 25.
Bottle caps. Oswego Falls Corporation. 203,583; Nov. 25.
Map holders. R. J. Cady. 203,872; Nov. 25.
Tents. H. Wengel Tent & Duck Co. 203,856; Nov. 25.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Wall plate for lighting fixtures. Des. 66,053; Nov. 25.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Arm for lighting fixtures. Des. 66,054; Nov. 25.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Ceiling plate for lighting fixtures. Des. 66,055; Nov. 25.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Arm for lighting fixtures. Des. 66,056; Nov. 25.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Column for lighting fixtures. Des. 66,057; Nov. 25.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Column for lighting fixtures. Des. 66,058; Nov. 25.
Ackley, Amos, Camden, N. J. Adjustable sheet guide for printing presses. 1,516,901; Nov. 25.
Adams, Benjamin H., Stephens, Ark., assignor of one-half to J. H. Smith, Haynesville, La. Oil burner. 1,516,091; Nov. 25.
Adams, Charles F., Swampscott, Mass., assignor to Hamel Shoe Machinery Company. Last clasp for lasting machines and method of making it. 1,516,485; Nov. 25.
Adams, James E., Memphis, Tenn. Shoe shiner. 1,517,141; Nov. 25.
Adamson, Frank, et al. (See Curry, T. W., and Godfrey, assignors.)
Aglow, Harry, New York, N. Y., assignor to Aircraft Metal Stamping Corporation. Lighting fixture part. Des. 66,059; Nov. 25.
Air Reduction Company. (See Anderson, James L., assignor.)
Aktiebolaget Formator. (See Dahlström, Ernst R., assignor.)
Aktiebolaget Karlstads Mekaniska Verkstad. (See Wagner, Rudolf E., assignor.)
Allen, Arthur A. (See Allen, Clifford L. and A. A.)
Allen, Clifford L. and A. A., Burkburnett, Tex. Swivel hook. 1,516,875; Nov. 25.
Allman, Arvel D., Blytheville, Mo. Cigarette holder and extinguisher. 1,517,142; Nov. 25.
Almqvist, Grace E., La Porte, Tex. Fruit-jar ring. 1,517,143; Nov. 25.
Althoff, Oscar W. (See Baluta, L. S., and Althoff.)
Aluminum Die-Casting Corporation. (See Bungay, George W., assignor.)
Aluminum Manufacturers, Incorporated. (See Blank, Merton H., assignor.)
American Can Company. (See Loesel, Nicholas, assignor.)
American Can Company. (See Schultz, Edward, assignor.)
American Can Company. (See Young, John M., assignor.)
American Hard Rubber Co. (See Buttfield, Alfred C., assignor.)
American Hardward Corporation, The. (See Stone, Elmer B., assignor.)
American Lakes Paper Company. (See Seaborne, Charles R., assignor.)
American Laundry Machinery Company, The. (See Lyon, Robert V., assignor.)
American Machine & Foundry Company. (See Hawkins, Wilford J., assignor.)
American Rubber and Tire Company, The. (See Johnson, John T., assignor.)
American Rubber & Tire Company, The. (See Stull, Robert R., assignor.)
American Steel and Wire Company of New Jersey, The. (See Broden, Edwin H., assignor.)
American Telephone and Telegraph Company. (See Carson, John R., assignor.)
American Telephone and Telegraph Company. (See Crisson, George, assignor.)
Amos, John A., assignor to Oliver Electric & Manufacturing Company, St. Louis, Mo. Lamp casing. Des. 66,060; Nov. 25.
Amrin, Ben, Bucoda, Wash. Hook. 1,516,806; Nov. 25.
Anchor Cap and Closure Corporation. (See Podel, Abraham, assignor.)
Andersen, Oluf, Los Angeles, Calif. Oil burner. 1,516,903; Nov. 25.
Anderson, Carl J., Chicago, Ill. Elevator control. 1,517,042; Nov. 25.
Anderson, E. D., Inc. (See Anderson, E. D., and Beckmann, assignors.)
Anderson, Ernest D., and C. Beckmann, assignors to E. D. Anderson, Inc., New York, N. Y. Wrapping and labeling machine. 1,516,902; Nov. 25.
Anderson, Frederick P., Lexington, Ky. Dust detector. 1,517,144; Nov. 25.
Anderson, James L., Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Welding torch. 1,516,486; Nov. 25.
Anderson, John, Lindsborg, Kans. Clevis for singletrees. 1,516,876; Nov. 25.
Anderson, Ray C., and P. A. Gollnick, assignors to Spiegel May Stern Company, Chicago, Ill. Attachment for addressing machines. 1,516,659; Nov. 25.
Andreas, Frederick, St. Louis, Mo. Door fastener. 1,516,892; Nov. 25.
Aneke, John, Cleveland, Ohio. Cotter-pin spreader. 1,516,877; Nov. 25.
Anthony, Herbert C., Newcastle-upon-Tyne, England. Rotary strainer. 1,516,893; Nov. 25.
Anthracite Separator Company. (See Becker, John H., assignor.)
Anthracite Separator Company. (See Pardee, Frank, assignor.)
Archer, Frank, Erie, Pa. Wheel rim. 1,516,904; Nov. 25.
Arden Mills, Inc. (See Feldman, Harold B., assignor.)
Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Hoisting apparatus. 1,516,878; Nov. 25.
Armstrong, Harry Y., Syracuse, N. Y., assignor of one-half to W. L. Hall, Chicago, Ill. Method of and machine for making envelopes. 1,516,905; Nov. 25.
Arnold, Stanfield N., Plainfield, and F. E. Johnson, jr., East Orange, N. J., assignors to The M. W. Kellogg Company. Antifriction support for pipe lines. 1,516,838; Nov. 25.
Artrac Metal Stamping Corporation. (See Aglow, Harry, assignor.)
Ashenhurst, Harold S., assignor to H. A. Parkyn, Chicago, Ill. Insulating substance. Reissue, 1,516,952; Nov. 25.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 1,516,487; Nov. 25.
Atkinson, Charles E., Pine Lawn, assignor to E. E. Souther Iron Company, St. Louis County, Mo. Corrugated receptacle and making the same. 1,516,694; Nov. 25.
Atkinson, Sydney, Ayr, Queensland, Australia. Sectional motor radiator. 1,516,895; Nov. 25.
Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,516,585; Nov. 25.
Austin Manufacturing Company. (See Wilson, F. D., and Burns, assignors.)
Automatic Electric Heater Company. (See Clark, Warren F., assignor.)
Automatic Telephone Manufacturing Company Limited. (See Roseby, Philip N., assignor.)
Automatic Telephone Manufacturing Company Limited. (See Smith, Sidney R., assignor.)
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, New York, N. Y. Web controller. 1,517,099; Nov. 25.
Axen, John L., Chicago, Ill. Desk. 1,516,906; Nov. 25.
B. & S. Manufacturing Products Corporation. (See Stern, C., and Braden, assignors.)
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Fuel for motors. 1,516,907; Nov. 25.
Bacon, Charles, Fresno, Calif. Brace for holding boxes and crates in railway cars. 1,517,100; Nov. 25.
Bacot, Byron L., McComb, Miss. Roofing tile. 1,516,696; Nov. 25.
Badger Mfg. Corporation. (See French, H. L., and Starck, assignors.)
Baluta, Leonard S., and O. W. Althoff, Berwick, Pa. Circuit maker and breaker. 1,516,908; Nov. 25.
Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. 1,516,488; Nov. 25.
Barker, James V., Hersman, Ill. Headlight-control device. 1,517,145; Nov. 25.

Barker, Theodore E., and A. E. Ellefsen, assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo. Cage roller bearing. 1,516,943; Nov. 25.

Barnett, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 66,061; Nov. 25.

Barnett, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 66,062; Nov. 25.

Barnhart, Clarence L., South Brooklyn, N. Y. Striking machine. 1,516,944; Nov. 25.

Baron, Max. (See Fichman, Sam, assignor.)

Barthélemy, Antoine J. M. (See Cans, Paul.)

Barto, Michael J., and J. A. Fiste, Seatonville, Ill. Hose clamp. 1,517,184; Nov. 25.

Barton, Edward D., Canon City, Colo. Rope and strap fastener. 1,516,489; Nov. 25.

Basel, Eli A., Kansas City, Mo. Oil-burner valve. 1,516,945; Nov. 25.

Basel, Eli A., Kansas City, Mo. Oil-burner valve. 1,516,946; Nov. 25.

Bast, Frank J., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Fountain pen for recording instruments. 1,516,586; Nov. 25.

Batchlor, Landon, Lawrenceburg, Ind. Well-tube tool. 1,516,515; Nov. 25.

Bath, John, assignor to John Bath & Company, Inc., Worcester, Mass. Micrometer caliper. 1,516,909; Nov. 25.

Bath, John, & Company. (See Bath, John, assignor.)

Baum, Hugo, New York, N. Y. Doll. Des. 66,063; Nov. 25.

Beach, Willard C., Newark, N. J. Air brush. 1,516,660; Nov. 25.

Beaton, George, Sydney, Nova Scotia, Canada. Blast-furnace tuyere. 1,517,185; Nov. 25.

Beaver Products Company, The. (See Speer, Alexander S., assignor.)

Bechtold, William S., Newark, N. J. Barrette. 1,516,661; Nov. 25.

Beck, Edward E., assignor to Crown Die & Tool Company, Chicago, Ill. Cut-back-die-thread machine. Ref. 1,516,953; Nov. 25.

Beck, Milton, assignor to J. J. White, Chicago, Ill. Book-binding machine. 1,516,697; Nov. 25.

Becker, John H., Hazleton, Pa., assignor to Anthracite Separator Company. Adjustable spiral separator. 1,516,910; Nov. 25.

Beckmann, Carl. (See Anderson, E. D., and Beckmann.)

Beers, Edwin L., Broadalbin, N. Y. Liquid-fuel-delivery tank vehicle. 1,516,839; Nov. 25.

Beindorf, Lucien J., Chicago, Ill. Tuning device. 1,516,947; Nov. 25.

Beiden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Change-speed gear mechanism. 1,516,698; Nov. 25.

Beiden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Clutch. 1,516,699; Nov. 25.

Beiden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Spring construction. 1,516,700; Nov. 25.

Benedix, Paul H., Chicago, Ill. Fluid-pressure engine. 1,516,948; Nov. 25.

Benson, Andrew C., Beaumont, Tex. Adz hammer. 1,517,043; Nov. 25.

Bergerson, Axel H., River Falls, Wis. Chimney cleaner. 1,516,949; Nov. 25.

Berkowitz, Morris, Brooklyn, assignor to Excelite Fixture Corporation, New York, N. Y. Combined circular lighting-fixture part and supporting member for the same. Des. 66,064; Nov. 25.

Bernat, Raoul, Bordeaux, France. Compressor. 1,516,516; Nov. 25.

Berners, Edward C., Two Rivers, Wis. Fountain pencil. 1,516,950; Nov. 25.

Bernhardt, William E., Chicago, Ill. Vegetable cutter. 1,516,490; Nov. 25.

Berntson, Lillian, executrix. (See Berntson, Thomas K.)

Berntson, Thomas K., deceased, L. Berntson, executrix, assignor, by mesne assignments, to J. W. Garland, Inc., Pittsburgh, Pa. Treating corncocks and product thereof. 1,516,701; Nov. 25.

Berry, David M., Oakland, Calif. Thickening filter. 1,516,702; Nov. 25.

Best, John, assignor of one-half to J. J. Sherman, Detroit, Mich. Sod-cutting machine. 1,516,561; Nov. 25.

Bengler, Edwin F., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y. Compressor-jaw mounting for barrel machines. 1,516,662; Nov. 25.

Beveridge, William K., assignor to George Nelson, Dale & Company, Limited, Warwick, England. Apparatus for drying sheets of edible gelatin. 1,516,663; Nov. 25.

Bezenberger, Fred K., East Cleveland, assignor to R. S. Gehr, trustee, Cleveland, Ohio. Cutting-oil compound and making the same. 1,516,879; Nov. 25.

Biedermann, Paul R. G. (See Canfield, W., and Biedermann.)

Binkovitz, Reuben, Brooklyn, N. Y. Mattress ticking. Des. 66,065; Nov. 25.

Birmingham Iron Foundry. (See Banbury, Fernley H., assignor.)

Blackwell, Daniel W., San Diego, Calif. Bolt apparatus for doors and windows. 1,516,628; Nov. 25.

Bladen, John T. (See Knoth, Conrad, Jr., assignor.)

Blaker, Ernest, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing rubber composition. 1,516,629; Nov. 25.

Blanch, Sven M., assignor to Fleming Machine Company, Worcester, Mass. Wire brush. 1,516,587; Nov. 25.

Blank, Merton H., assignor, by mesne assignments, to Aluminum Manufacturers, Incorporated, Cleveland, Ohio. Wheel. 1,516,664; Nov. 25.

Bloom, Otis G., Wilkes-Barre, Pa. Bicycle shock absorber. 1,517,146; Nov. 25.

Blunk, Robert A., Grand Mound, Iowa. Table-spread holder. 1,516,665; Nov. 25.

Boltshauser, Heinrich, Zurich, Switzerland. Steam-turbine-driven locomotive. 1,516,517; Nov. 25.

Bone, David R., Oglesby, Tex. Hollow-tile building block. 1,516,491; Nov. 25.

Bonney-Floyd Company, The. (See Floyd, Walter B., assignor.)

Bonsall, Thomas L., Montreal, Quebec, Canada. Mop wringer. 1,517,187; Nov. 25.

Bond, William H., Sarasota, Fla. Handpiece for dental drills. 1,517,186; Nov. 25.

Borger, Henry E., assignor to Splittorf Electrical Company, Newark, N. J. Support for electric machines. 1,517,101; Nov. 25.

Boughan, Charles. (See Ray, Edward L., assignor.)

Bowman, Mark K., Montclair, N. J., assignor, by mesne assignments, to R. L. Suydam, New York, N. Y. Apparatus for cleaning boiler tubes. 1,516,880; Nov. 25.

Boyer, Charles T., Indianapolis, Ind. Combination table and china closet. 1,517,044; Nov. 25.

Boys, Charles V., London, England. Calorimeter. 1,516,703; Nov. 25.

Braden, Richard W. (See Stern, C., and Braden.)

Bradner, Donald B., Edgewood, Md. Making oxides of nitrogen and caustic alkali. 1,516,588; Nov. 25.

Braithwaite, Henry E. I., Anyox, British Columbia, Canada. Controlling switch for automobile locking devices. 1,517,188; Nov. 25.

Braun, Carl F., San Francisco, Calif. Tube-expanding tool. 1,516,704; Nov. 25.

Breece, Henry, Detroit, Mich. Egg tester. 1,516,705; Nov. 25.

Brenaman, Harry A., Altoona, Pa. Machine tool. 1,516,951; Nov. 25.

Brey, Clarence F., Philadelphia, Pa. Piano case. Des. 66,066; Nov. 25.

Bricker, Harry E., West View, assignor to National Metal Products Company, Pittsburgh, Pa. Spacing bar. 1,517,102; Nov. 25.

Bridgeport Metal Goods Manufacturing Company, The. (See Loveman, William R., assignor.)

Briggs, Robert E., assignor to The Jefferey Manufacturing Company, Columbus, Ohio. Belt-supporting idler. 1,516,666; Nov. 25.

Brinck, Chester C., Mishawaka, Ind. Automobile direction signal. 1,517,045; Nov. 25.

Brockbank, Arthur P. (See Wilson, W. R., and Brockbank.)

Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Oil-circulating system. 1,517,227; Nov. 25.

Broden, Edwin H., Edgewood Borough, Pa., assignor to The American Steel and Wire Company of New Jersey, Pliers. 1,517,228; Nov. 25.

Brookins, Earl, assignor to The Brookins Manufacturing Company, Dayton, Ohio. Liquid measure. 1,516,706; Nov. 25.

Brookins Manufacturing Company, The. (See Brookins, Earl, assignor.)

Brown, Frank, Paterson, N. J. Fish lure. 1,516,707; Nov. 25.

Brownback, Henry L., Norristown, Pa. Reversing mechanism. 1,517,189; Nov. 25.

Brubaker, Reuben C., Eaton, Ohio. Aeroplane-propeller mounting. 1,516,708; Nov. 25.

Brumage, Isaac. (See Whitmill, J. E., and Brumage.)

Brune, Edward H., St. Louis, Mo. Disposal of garbage. 1,516,952; Nov. 25.

Brunner, Arthur, San Francisco, Calif. Fuse plug. 1,517,229; Nov. 25.

Brunt, Percy, Addiscombe, England. Well-boring apparatus. 1,516,709; Nov. 25.

Brunt Tile and Porcelain Company, The. (See McKnight, Oscar W., assignor.)

Bryan, Charles F., Hetland, S. Dak. Snowplow. 1,517,190; Nov. 25.

Buckner, Levi G. (See Sibley, S. J., and Buckner.)

Bungay, George W., Brooklyn, N. Y., assignor, by mesne assignments, to Aluminum Die-Casting Corporation, Garwood, N. J. Die for pressure casting. 1,516,667; Nov. 25.

Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 66,067; Nov. 25.

Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 66,068; Nov. 25.

Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 66,069; Nov. 25.

Burch, Frederick R., Seattle, Wash. Windmill. 1,516,668; Nov. 25.

Burdick, Charles L., assignor to Guggenheim Brothers, New York, N. Y. Method and process for the leaching of caliche and for the recovery of nitrate therefrom. 1,517,046; Nov. 25.

Burger, Reinhold, Berlin, Germany. Vacuum-jacketed vessel. 1,517,047; Nov. 25.

Burn, John F. (See Lancaster, John S., assignor.)

Burnand, John, Teddington, England. Internal-combustion engine. 1,517,191; Nov. 25.

Burnett, Alfred E., Brooklyn, N. Y. Gymnasium apparatus. 1,517,147; Nov. 25.

Burns, John L., Wichita Falls, Tex. Equalizer. 1,516,953; Nov. 25.

Burns, Leonard S. (See Wilson, F. D., and Burns.)

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)

Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Point detector. 1,517,236; Nov. 25.

Butler, Fergus A., New York, N. Y. Shoe. 1,516,840; Nov. 25.

Buttfield, Alfred C., Butler, N. J., assignor to American Hard Rubber Co., New York, N. Y. Machine for making articles of plastic compounds of different colors. 1,516,841; Nov. 25.

Buttfield, Alfred C., Butler, N. J., assignor to American Hard Rubber Co., New York, N. Y. Machine for making articles of plastic compounds of different colors. 1,516,842; Nov. 25.

Buttfield, Alfred C., Butler, N. J., assignor to American Hard Rubber Co., New York, N. Y. Machine for making articles of plastic compounds of different colors. 1,516,843; Nov. 25.

C. G. Spring & Bumper Company, The. (See Jandus, Herbert S., assignor.)

Cady, Ansel. (See Lundberg, Thomas, assignor.)

Cady, Herbert C. (See Recker, A. C., and Cady.)

Calabro, Antonio G., Boston, Mass. Hair remedy. 1,516,562; Nov. 25.

California Compressed Gas Corporation. (See Coberly, Clarence J., assignor.)

Callaghan, Rex E., assignor of one-fourth to C. Sitterle, Denver, Colo. Form for concrete. 1,516,760; Nov. 25.

Cameron, D. Herdman, et al. (See Curry, T. W., and Godfrey, assignors.)

Campbell, Lawrence B., Washington, D. C. Combined envelope and display medium. 1,516,563; Nov. 25.

Carmichael, Thomas B. (See Ockleston, W. H., and Carmichael.)

Canfield, Wallace, and P. R. G. Bledermann, Taft, Calif. Reinforcing sleeve for rotary drill pipe. 1,516,911; Nov. 25.

Canfield, William G., St. Louis, Mo. Window refrigerator. 1,517,148; Nov. 25.

Cans, Paul, Antoine J. M. Barthélemy dit, Paris, France. Rope-gripping device. 1,516,564; Nov. 25.

Caputo, Louis, East Boston, Mass. Concrete-block-molding machine. 1,516,710; Nov. 25.

Carper, Emmett P., Fordwick, Va. Cutter bar and guard for mowing machines or the like. 1,516,669; Nov. 25.

Carr, John A., assignor to Martin Iron Works, Los Angeles, Calif. Detachable valve stem. 1,516,670; Nov. 25.

Carson, John R., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,516,518; Nov. 25.

Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)

Case, Theodore W., Scipio, assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Photo-electric cell. 1,517,103; Nov. 25.

Cervenec, Andrew, Tarentum, Pa. Rat and mouse trap. 1,517,192; Nov. 25.

Chapman Self-Locking Nut Co., trustee. (See Emery, I. C., assignor.)

Chase Companies, The. (See Recker, A. C., and Cady, assignors.)

Chase, Wilfred O., Redford, Mich., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum tank. 1,517,048; Nov. 25.

Chemical Works. (See Stoll, A., and Suter, assignors.)

Chicago Bridge & Iron Co. (See Horton, George T., assignor.)

Chilson, Lewis S., assignor to J. M. Fisher Co., Attleboro, Mass. Extendible bracelet. 1,517,104; Nov. 25.

Chinn, Samuel, Oxnard, Calif. Wheel puller. 1,516,492; Nov. 25.

Christell, John P. (See Christell, Olof S., assignor.)

Christell, Olof S., assignor of one-half to J. P. Christell, Chicago, Ill. Porch-rail safety device. 1,516,711; Nov. 25.

Christensen, Jans H., Holte, Denmark. Film and method for the production of colored pictures. 1,517,049; Nov. 25.

Churchill-Shann, Montague H., Albury, New South Wales, Australia. Road vehicle. 1,517,193; Nov. 25.

Ciba, Anthony F., and R. P. Simmons, Cleveland, Ohio; said Ciba assignor to said Simmons. Electric toaster. 1,517,149; Nov. 25.

Clark, Warren F., Cleveland, Ohio, assignor, by mesne assignments, to Automatic Electric Heater Company, Warren, Pa. Controlling device. 1,516,493; Nov. 25.

Clement, Bruce D., Amarillo, Tex. Cream-testing tank. 1,517,194; Nov. 25.

Climax Engineering Company. (See Wisbart, W., and Morrell, assignors.)

Cloyd, Elmer H. (See Coffelder, J. M., and Cloyd.)

Coberly, Clarence J., Los Angeles, Calif., assignor to California Compressed Gas Corporation. Laminated diaphragm. 1,516,630; Nov. 25.

Cochran, Walter W., Colton, N. Y. Valve lifter. 1,516,712; Nov. 25.

Coe Manufacturing Company, The. (See Collier, W. H., and Vance, assignors.)

Coffelder, John M., and E. H. Cloyd, Ravenna, Ky. Automatic train stop. 1,517,195; Nov. 25.

Cohn, Leon, Paris, France. Bottle. Des. 66,070; Nov. 25.

Cohn, Leon, Paris, France. Bottle. Des. 66,071; Nov. 25.

Cohn, Leon, Paris, France. Box. Des. 66,072; Nov. 25.

Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric toaster. Des. 66,073; Nov. 25.

Cole, Arthur D., Minneapolis, Minn. Rein-controlled steering and gear-shifting attachment for tractors. 1,516,713; Nov. 25.

Cole, Arthur D., Minneapolis, Minn. Rein-controlled steering and gear-shifting attachment for tractors. 1,516,714; Nov. 25.

Cole, Arthur D., Minneapolis, Minn. Tractor controlling attachment. 1,516,715; Nov. 25.

Cole, Edward J., Peekskill, N. Y. Nut and making same. 1,516,716; Nov. 25.

Cole, Eugene M., Charlotte, N. C. Fertilizer distributor. 1,516,954; Nov. 25.

Coleman, George B., San Francisco, Calif., assignor to Majik Electric Appliance Company. Massaging instrument. 1,516,717; Nov. 25.

Coleman, Gilbert R., Jersey City, N. J. Device for the handling of molten lead, tin, babbitt and other metals, or materials. 1,516,912; Nov. 25.

Collier, William H., and A. J. Vance, assignors to The Coe Manufacturing Company, Palmsville, Ohio. Drier for veneer and the like. 1,517,235; Nov. 25.

Collins, Charles, Coalspur, Alberta, Canada. Decanter. 1,516,881; Nov. 25.

Collins, Joseph H., et al. (See Robertson, William, assignor.)

Conant, Arthur P. (See Wadsworth, A. W., and Conant.)

Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase pendant. Des. 66,074; Nov. 25.

Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase crown. Des. 66,075; Nov. 25.

Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase dial. Des. 66,076; Nov. 25.

Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase dial. Des. 66,077; Nov. 25.

Connecticut Web & Buckle Company, The. (See Oppenheim, Albert, assignor.)

Conrad, Henry S., trustee. (See Lundquist, Frank A., assignor.)

Constantinesco, George, Weybridge, England. Preventing breakage due to resonance in high-speed machinery. 1,516,882; Nov. 25.

Conwell, L. R. (See Hornecker, George, assignor.)

Cornetta, Henry C. (See Davitt, J. H., and Cornetta.)

Cragin, George P., Spokane, Wash. Cuff. 1,516,761; Nov. 25.

Cramm, Harro, Neukolln, Germany. Rotary grinding machine. 1,516,913; Nov. 25.

Creamery Package Mfg. Company, The. (See Heltz, Leonard F., assignor.)

Crescent Brass Mfg. Co. (See Abrams, Herman, assignor.)

Crex Carpet Company. (See Waldo, Algermont H., assignor.)

Criener, Harry J., assignor to Meadows Mfg. Co., Bloomington, Ill. Clutch mechanism. 1,516,494; Nov. 25.

Crisson, George, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Electrical transformer. 1,516,519; Nov. 25.

Croft, Hiram D. (See Perkins, J. L., Oakley, Wilson, and Croft.)

Croft, William H., and R. J. Shoemaker, Chicago, Ill. Bearing and manufacturing the same. 1,516,914; Nov. 25.

Crompton & Knowles Loom Works. (See Holmes, Elbridge E., assignor.)

Crompton & Knowles Loom Works. (See Lindgren, C. J., and Pfeiffer, assignors.)

Crompton & Knowles Loom Works. (See Richardson, Oscar W., assignor.)

Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Cross, Doston E., Morgantown, W. Va. Glass-handling tong. 1,516,844; Nov. 25.

Cross, Louis, Brooklyn, N. Y. Plurally-fused socket head. 1,516,520; Nov. 25.

Crown Die & Tool Company. (See Beck, Edward E., assignor.)
 Cummings, William F. (See Perry, George E., assignor.)
 Cummins, Robert R. (See Kremer, R. W., and Cummins.)
 Cuppett, Charles W., Masontown, Pa. Hose clamp. 1,517,196; Nov. 25.
 Curry, Thomas W., and J. F. Godfrey, assignors of one-fifth to F. Adamson, one-fifth to D. F. Morrison, and one-fifth to D. H. Cameron, Pictou, Nova Scotia, Canada. Turning gear. 1,516,998; Nov. 25.
 Cusimano, Philip, Los Angeles, Calif. Dermatological instrument. 1,516,955; Nov. 25.
 Cuttitta, Vincent, New York, N. Y. Pad for dental impression trays. 1,517,197; Nov. 25.
 Dahlström, Ernst R., assignor to Aktiebolaget Fomator, Stockholm, Sweden. Automatic feeding device for tobacco and similar substances. 1,517,150; Nov. 25.
 Dailey, Clarence L., Jeffersonville, Ind. Novelty toy. 1,516,718; Nov. 25.
 Damiens, Augustin A. L. J., et al. (See De Loisy, Marie C. J. E., assignor.)
 D'Arcy, John A., assignor to Shambow Shuttle Company. Woonsocket, R. I. Shuttle tip. 1,516,671; Nov. 25.
 Dayle, George H., Erie, assignor of one-half to C. A. Massing, Millcreek Township, Pa. Bottle carrier. 1,516,956; Nov. 25.
 Davies, Frederick E. (See King, Walter A., assignor.)
 Davis, James C., Hinsdale, Ill. Railway tie. 1,517,151; Nov. 25.
 Davis, James C., Hinsdale, Ill. Railway tie. 1,517,152; Nov. 25.
 Davis, Matthew L., jr., assignor of one-half to M. L. Davis, sr., Oak Grove, Ala. Locomotive driving gear. 1,516,957; Nov. 25.
 Davis, Matthew L., sr. (See Davis, Matthew L., jr., assignor.)
 Davitt, John H., Medford, and H. C. Cornetta, Boston, Mass.; said Davitt assignor to said Cornetta. Safety mechanism for moving-picture-projecting machines. 1,516,958; Nov. 25.
 Day, Zeno W., Newark, N. J. Molding. 1,516,521; Nov. 25.
 Decker, Hugh L., assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Assembling nuts and case members. 1,516,762; Nov. 25.
 Deemer, Selden S., New Castle, Del. Anvil. 1,517,198; Nov. 25.
 Delaporte, Maurice, Paris, France. Transmission gear. 1,517,199; Nov. 25.
 Delbon, Frank M., Brooklyn, N. Y. Shoe. 1,516,945; Nov. 25.
 De Loisy, Marie C. J. E., Paris, assignor to A. M. L. J. Damiens, Arcueil-Cachan, France, to himself and to O. J. G. Plette, Brussels, Belgium. Extracting sulphur from gases containing sulphureted hydrogen. 1,516,915; Nov. 25.
 Demison, Daniel. (See Reed, Thomas S., assignor.)
 Denver Rock Drill Manufacturing Company, The. (See Barker, T. E., and Ellefsen, assignors.)
 De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Making dry cells. 1,516,632; Nov. 25.
 D'Erville, Joseph d'A., Charenton, France. Sliding callipers. 1,516,631; Nov. 25.
 Detrick, M. H., Company. (See Hosbain, Louis H., assignor.)
 Dever, William C., assignor to Kelvinator Corporation, Detroit, Mich. Valve. 1,516,846; Nov. 25.
 Devine, John J., Middletown, Conn. Illuminated fountain pen. 1,517,153; Nov. 25.
 Dewey, Edwin S., Madison, Wis. Device for removing storage batteries from vehicles. 1,516,559; Nov. 25.
 Dexter, Benjamin R., Oakland, Calif. Cabinet ironing board and seat. 1,516,763; Nov. 25.
 Dehler, Edmund W., and M., Syracuse, N. Y. Car truck. 1,517,105; Nov. 25.
 Dehler, Mary. (See Dehler, Edmund W. and M.)
 Diamond Match Company, The. (See Elder, William J., assignor.)
 Dickinson, George W., Albion, Mich. Hub puller. 1,516,764; Nov. 25.
 Diehl, Ludwig H., Darmstadt, Germany. Smelting ores or the like. 1,517,232; Nov. 25.
 Dilks, Jacob J., Philadelphia, Pa. Toy. 1,517,050; Nov. 25.
 Dillenbeck, Frederick E. (See Mulnix, F. R., and Dillenbeck.)
 Dilling, George F., Pittsburgh, Pa. Loading mechanism. 1,516,633; Nov. 25.
 Di Natale, Dominique, Paris, France. Stylus holder. 1,516,847; Nov. 25.
 Donovan, Henrietta H. (See Donovan, Paul J., assignor.)
 Donovan, Paul J., Cleveland, Ohio, assignor to H. H. Donovan. Brake-testing machine. 1,517,106; Nov. 25.
 Donisthorpe, Frank W., Maida Vale, London, assignor to Dye Impression Photos, Limited, Kensington, London, England. Dye transfer printing from photographic negatives. 1,517,200; Nov. 25.
 Donohue, Robert D., New York, N. Y. Flower-wearing device. 1,517,154; Nov. 25.
 Dorneth, Julius, Konradshöhe, near Tegel, assignor to the Firm Typograph Gesellschaft m. b. H., Berlin, Prussia, Germany. Matrix bar. 1,516,883; Nov. 25.
 Dorsey, Charles M., Baltimore, Md. Barber's apron. 1,516,590; Nov. 25.
 Dougherty, Thomas, New York, N. Y. Sled brake. 1,516,916; Nov. 25.
 Douglas Company. (See Stutake, Richard W. G., assignor.)
 Douglas, Harry A., Bronson, Mich. Electric switch. 1,516,765; Nov. 25.
 Douglas, Harry A., Bronson, Mich. Electric switch. 1,516,766; Nov. 25.
 Douglas, William, Toronto, Ontario, Canada. Combination porch light and number plate. 1,517,107; Nov. 25.
 Dover Stamping & Manufacturing Company. (See Rugles, Wells G., assignor.)
 Dow Chemical Company, The. (See Jenkins, Elbert J., assignor.)
 Drake, A. W., Manufacturing Company. (See Gomer, George W., assignor.)
 Drake, William H., Asheville, N. C. Miter box. 1,517,108; Nov. 25.
 Draper Corporation. (See Keegan, Patrick, assignor.)
 Dual-Tone Phonograph & Manufacturing Company. (See Hoover, A. W., and Winter, assignors.)
 Duncan, Harry L., Brooklyn, N. Y. Speed and distance indicator and recorder. 1,516,807; Nov. 25.
 Duncan, Harry L., Mahwah, N. J. Speed and distance indicator and recorder, etc. 1,516,808; Nov. 25.
 Duncan, Harry L., Ridgewood, N. J. Speed-indicator record device. 1,516,809; Nov. 25.
 Duncan, Harry L., Ridgewood, N. J. Speed-indicator record device. 1,516,810; Nov. 25.
 Dundon, Lynn C. (See Zimmer, Charles, assignor.)
 Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
 Dye Impression Photos, Limited. (See Donisthorpe, Frank W., assignor.)
 Earp, J. Russell. (See Silverman, Benjamin, assignor.)
 Earp, Jhuie R., assignor of one-half to B. Silverman, Chattanooga, Tenn. Comb. 1,516,959; Nov. 25.
 Easley, Orus J., East Akron, Ohio. Loader. 1,517,201; Nov. 25.
 Economy Glass Company. (See Irwin, David K., assignor.)
 Edgerton, Israel V., assignor of one-half to J. R. Grant and one-half to V. E. Grant, Chicago, Ill. Egg-shipping receptacle. 1,517,051; Nov. 25.
 Edmunds & Jones Corporation. (See Preston, Edward S., assignor.)
 Edwards, Clarence G., Los Angeles, Calif. Adjustable chair. 1,516,811; Nov. 25.
 Edwards, Ernest F. (See Ellis, J., and Edwards.)
 Edwards, Harry D., Larchmont, assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary pump. 1,516,591; Nov. 25.
 Edwards, Lowell D., and H. F. Williams, Proctorville, Ohio. Extensible-rule holder. 1,516,848; Nov. 25.
 Eisenstadt Manufacturing Company. (See Laumann, Walter L., assignor.)
 Elder, William J., Oswego, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Composition-applying mechanism for match machines. 1,517,052; Nov. 25.
 Elggren, Eric. (See Viberg, E. R., and Elggren.)
 Ellefsen, Alfred E. (See Barker, T. E., and Ellefsen.)
 Ellinger, William H., Wichita Falls, Tex. Roller-bearing swivel wrench plate. 1,516,812; Nov. 25.
 Elliott, Cecil A., assignor of one-half to Samuel Elliott and Sons (Reading), Limited, Reading, Berks, England. Revolving door. 1,516,719; Nov. 25.
 Elliott, Samuel, and Sons (Reading), Limited. (See Elliott, Cecil A., assignor.)
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Treating petroleum products. 1,516,720; Nov. 25.
 Ellis-Foster Company. (See Ellis, Carleton, assignor.)
 Ellis-Foster Company. (See Weber, Harry M., assignor.)
 Ellis, John, Annandale, near Sydney, and E. F. Edwards, Burwood, near Sydney, New South Wales, Australia. Side-car attachment to motor cycles. 1,516,592; Nov. 25.
 Emery, I. C., assignor to Chapman Self-Locking Nut Co., Baltimore, Md., trustee. Making nuts. 1,516,721; Nov. 25.
 Engel, James E., New York, N. Y. Figure toy. 1,517,202; Nov. 25.
 Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
 Evans, James H., Lexington, Ky. Liquid-level indicator. 1,516,999; Nov. 25.
 Evans, James H., Lexington, Ky. Liquid-level indicator. 1,517,000; Nov. 25.
 Evans, Ronald K., assignor to The Remy Electric Company, Anderson, Ind. Impulse coupling. 1,517,203; Nov. 25.
 Everett, Edward W. (See Modée, Sidney L., assignor.)
 Excellite Fixture Corporation. (See Berkowitz, Morris, assignor.)
 Eynon, David L. (See Proudfoot, C. S., and Eynon.)
 Eyrych, Harold R., assignor to The Paper De-Inking Co., Chicago, Ill. Method of and apparatus for pulp washing. 1,516,593; Nov. 25.
 Faggen, Isadore J., New York, N. Y. Stand and pad. 1,516,960; Nov. 25.
 Falley, Lewis H., assignor to M. H. Falley, Kansas City, Mo. Current deflector. 1,516,767; Nov. 25.
 Falley, M. H. (See Falley, Lewis H., assignor.)
 Farbenfabriken vorm. Friedr. Bayer and Co. (See Hahl, H., and Kropp, assignors.)
 Farbenfabriken vorm. Friedr. Bayer and Co. (See Hahl, H., and Weyland, assignors.)
 Farr, Frank E., Bronson, Mich. Fishing-line shuttle or reel. 1,516,522; Nov. 25.
 Faultless Caster Company. (See Noetting, W. H., and Smithfield, assignors.)
 Fausse, Joseph, Brockton, and E. W. McVicar, Marlboro, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,516,523; Nov. 25.
 Feldman, Harold B., assignor to Arden Mills, Inc., New York, N. Y. Textile fabric. Des. 66,079; Nov. 25.
 Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear-generating cutting machine. 1,516,524; Nov. 25.
 Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
 Ferguson, George J., Philipsburg, Pa. Treating calcium carbide. 1,516,813; Nov. 25.
 Ferrin, Arthur W., assignor, by means assignments, to New Jersey Motors, Inc., Keyport, N. J. Engine starter. 1,517,230; Nov. 25.
 Flehman, Sam, assignor to M. Baron, New York, N. Y. Safety lock for drawers. 1,517,109; Nov. 25.
 Findlay, Edward H., Fairfield, Iowa. Flash light. 1,516,768; Nov. 25.
 Firma Motor-Columbus Aktiengesellschaft für Elektrische Unternehmungen. (See Paoloni, Arturo, assignor.)
 Fischer, Arthur I., Cleveland Heights, assignor to M. H. Glauber, Cleveland, Ohio. Adjustable dange for valves, bibs, and faucets. 1,516,594; Nov. 25.
 Fischer, Charles D., and W. Rutkowski, Encampment, Wyo. Tinting-shuttle winding device. 1,516,849; Nov. 25.
 Fischer, Frederick C., jr. (See McNaughton, William W., assignor.)
 Fisher, J. M., Co. (See Chilson, Lewis S., assignor.)
 Flisk Rubber Company, The. (See Mead, G. J., and Rossbach, assignors.)
 Fliste, Jess A. (See Barto, M. J., and Fliste.)
 Fitt, Henry G., New York, N. Y., assignor of one-half to H. Lambros, Washington, D. C. Automatic dispenser. 1,516,850; Nov. 25.
 Fitts, James L., Pensauken Township, Camden County, assignor to Warren Webster & Company, Camden, N. J. Thermostatically-controlled valve. 1,517,204; Nov. 25.
 Flagg, Ernest, New York, N. Y. Door hinge. 1,517,205; Nov. 25.
 Fleming Machine Company. (See Blanch, Sven M., assignor.)
 Florent Teste. (See Oger, Victor J., assignor.)
 Floyd, Walter B., assignor to The Bonney-Floyd Company, Columbus, Ohio. Car-wheel mounting. 1,516,634; Nov. 25.
 Flynn, Michael H., assignor to The Hartford Valve Manufacturing Company, Hartford, Conn. Flushometer. 1,516,814; Nov. 25.
 Folberth Auto Specialty Company, The. (See Folberth, Fred G. and W. M., assignors.)
 Folberth, Fred G. and W. M., assignors to The Folberth Auto Specialty Company, Cleveland, Ohio. Windshield cleaner. 1,516,722; Nov. 25.
 Folberth, William M. (See Folberth, Fred G. and W. M.)
 Foley, Thomas F., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph-transmitting apparatus. 1,517,110; Nov. 25.
 Forbes, William S. (See Veley, C. J., and Forbes.)
 Foreman, Robert A., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Tüyre construction for stokers. 1,516,525; Nov. 25.
 Forgrove Machinery Company, The. (See Grover, Frederick, assignor.)
 Foulkrod, Byron B., Kane, Pa. Gravity-operated headlight. 1,517,111; Nov. 25.
 Fountain, Lee C., Kingsburg, S. C. Furnace. 1,517,206; Nov. 25.
 Franz, Ethan W., and S. Tate, East Cleveland, Ohio. Adjustable shore post. 1,516,672; Nov. 25.
 Frederlek, Harry A., Chicora, Pa. Wireless tie insulator. 1,516,884; Nov. 25.
 Fréy, Pierre V., assignor to Societe des Etablissements Gaumont, Paris, France. Electrical reproducer for phonographs. 1,516,595; Nov. 25.
 French, Harry L., and W. A. Starck, assignors to Badger Mfg. Corporation, Milwaukee, Wis. Bumper attachment. 1,516,961; Nov. 25.
 Freundler, Paul T., Paris, France. Treating seaweed. 1,516,917; Nov. 25.
 Friedman, Sam, Atlanta, Ga. Hair-gauge clipper. 1,516,635; Nov. 25.
 Froussard, Albert F., St. Louis, Mo. Boring machine. 1,516,815; Nov. 25.
 Fuller, Franz A., assignor to The J. E. Mergott Co., Newark, N. J. Making bag frames. 1,517,053; Nov. 25.
 Fuller, L. F., Terry, Miss. Fishplate and nut lock. 1,517,061; Nov. 25.

Gallagher, Arthur M., and H. F. Wanamaker, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Device for printing articles. 1,517,207; Nov. 25.
 Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot plate for vulcanizing presses. 1,516,596; Nov. 25.
 Ganss, Georg L., Grosse-Umstadt, Germany. Hydraulic starter for electromotors and the like. 1,516,526; Nov. 25.
 Garland, John W., Inc. (See Berntson, Thomas K., assignor.)
 Garlick, Maurice C., Easton, Pa. Spring switch. 1,517,054; Nov. 25.
 Gehr, Ray S. (See Bezenberger, Fred K., assignor.)
 Geier, James, Troy, N. Y. Convertible level. 1,516,527; Nov. 25.
 Geist, William J., Joliet, Ill. Measuring instrument. 1,516,769; Nov. 25.
 General Electric Company. (See Hastings, H. C., and Hanna, assignors.)
 General Electric Company. (See Jobanson, John, assignor.)
 General Electric Company. (See Junggren, Oscar, assignor.)
 General Electric Company. (See Kade, Friedrich, assignor.)
 General Electric Company. (See Wilkinson, James, assignor.)
 General Fireproofing Company. (See Moulton, Ralph J., assignor.)
 General Metal Briquette Corporation, The. (See Gilmore, Thomas, jr., assignor.)
 General Motors Research Corporation. (See Short, Charles R., assignor.)
 General Railway Signal Company. (See Busbnell, Charles S., assignor.)
 General Railway Signal Company. (See Howe, Winthrop K., assignor.)
 Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Leaf for lighting fixtures. Des. 66,080; Nov. 25.
 Gillespie, Robert H., and J. G. Vaughn, Pine Bluff, Ark. Dental device. 1,517,208; Nov. 25.
 Gilmore, Thomas, jr., Brooklyn, assignor to The General Metal Briquette Corporation, New York, N. Y. Preparing metal borings and the like particularly for use in furnaces. 1,517,055; Nov. 25.
 Gladden, Percy W. (See Weiner, Morris and G. S., assignors.)
 Glasner, Rudolph W. (See Nilson, O. G., and Glasner.)
 Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,516,528; Nov. 25.
 Glauber, Morris H. (See Fischer, Arthur I., assignor.)
 Gledhill, Walter, Leighton, Pa. Thread-conditioning apparatus. 1,517,056; Nov. 25.
 Globe-Vernicke Company, The. (See Smiley, Samuel, jr., assignor.)
 Glud, William T., Manette, Wash. Tail clamp. 1,517,209; Nov. 25.
 Godfrey, John F. (See Curry, T. W., and Godfrey.)
 Godowsky, Leopold, jr. (See Mannes, L. D., and Godowsky.)
 Goldback, Fritz, Marysburg, Saskatchewan, Canada. Amusement device. 1,516,918; Nov. 25.
 Golden, Max K., assignor to J. Schuff, Detroit, Mich. Machine for embossing and plating textile and other fabrics. 1,517,112; Nov. 25.
 Gollnick, Paul A. (See Anderson, R. C., and Gollnick.)
 Gomer, George W., Conyngham, assignor to A. W. Drake Manufacturing Company, Hazleton, Pa. Animal trap. 1,517,210; Nov. 25.
 Goodrich, B. F., Company, The. (See Blaker, Ernest, assignor.)
 Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
 Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
 Goodrich, B. F., Company, The. (See Rankin, James C., assignor.)
 Goodrich, B. F., Company, The. (See Shook, Florian J., assignor.)
 Goodson, George A., deceased. New York, N. Y.; R. J. Goodson, administratrix. Time system. 1,516,636; Nov. 25.
 Goodson, Rena J., administratrix. (See Goodson, George A.)
 Gordon, Samuel, Brooklyn, N. Y. Aircraft novelty. 1,516,919; Nov. 25.
 Grant, Jesse R., et al. (See Edgerton, Israel V., assignor.)
 Grant, V. E., et al. (See Edgerton, Israel V., assignor.)
 Graver, Samuel, Plainfield, Ill. Double corncrib and granary. 1,516,597; Nov. 25.
 Greene, Lawson W., Mooresboro, N. C. Baseball die. 1,517,113; Nov. 25.
 Gregg, Walter R., assignor of one-eighth to T. H. Juile, St. Louis, Mo. Train-pipe coupling. 1,516,851; Nov. 25.
 Grey, Dean H., Athens, Ontario, Canada. Shock-absorbing spring for vehicles. 1,517,114; Nov. 25.
 Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Printing sheet rubber. 1,516,668; Nov. 25.
 Grimes, David, Grasmere, N. Y. Vacuum-tube amplifier. 1,517,057; Nov. 25.

Grimes, David, assignor to Grimes Radio Engineering Co., Incorporated, Grasmere, N. Y. Inverse duplex vacuum-tube circuit. 1,517,058; Nov. 25.
 Grimes Radio Engineering Co. (See Grimes, David, assignor.)
 Grover, Frederick, assignor to The Forgrave Machinery Company Limited, Leeds, York, England. Machine for automatically folding wrappers around rectangular and other bodies. 1,517,059; Nov. 25.
 Gruber, Wennele A., Pine River, Minn. Spark plug. 1,517,211; Nov. 25.
 Grunice, Sigwald, assignor to Sears, Roebuck and Co., Chicago, Ill. Stacking mechanism. 1,516,770; Nov. 25.
 Gsell, Roland A., New York, N. Y. Convertible watch. 1,516,599; Nov. 25.
 Guggenheim Brothers. (See Burdick, Charles L., assignor.)
 Guggenheim Brothers. (See Smith, Elias A. C., assignor.)
 Guidry, Alfred, Comfort, Tex. Automatic door-operating device. 1,516,723; Nov. 25.
 Gunsolley, Verne V., Minneapolis, Minn. Doughnut machine. 1,516,962; Nov. 25.
 Guyot, Henri R., Paris, France. Radiator with removable elements. 1,517,155; Nov. 25.
 Gwilliam, Frank, Norton, Mass. Expandable cuff button. 1,516,852; Nov. 25.
 Haase, Paul, Bergedorf, Germany. Machine for cutting turnips, beets, potatoes, and like tuberous vegetables, bacon, and similar substances into slices, chips, or cubes. 1,516,724; Nov. 25.
 Hahl, Hans, and H. Weyland, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pharmaceutical compound containing the sodium-silver compound of thiodiglycolic acid. 1,517,002; Nov. 25.
 Hahl, Hans, and W. Kropp, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pharmaceutical compound consisting of the sodium-vanadium salt of triglycolic acid. 1,517,003; Nov. 25.
 Hall, Duncan B., North New Portland, Me. Portable hand saw. 1,516,529; Nov. 25.
 Hall, William L. (See Armstrong, Harry Y., assignor.)
 Halteman, John W., and W. Ryter, Philadelphia, Pa. Safe-door-locking mechanism. 1,516,530; Nov. 25.
 Halteman, John W., and W. Ryter, Philadelphia, Pa. Safe. 1,516,531; Nov. 25.
 Halvorsen, Cromwell A. B., Jr. (See Willis, Childe H., assignor.)
 Hamaker, Rex G. (See O'Boyle, Thomas, assignor.)
 Hamel Shoe Machinery Company. (See Adams, Charles F., assignor.)
 Hamel Shoe Machinery Company. (See Valois, Félix E., assignor.)
 Hammarlund, Carl A., Eket, and W. Segerstrom, Angelholm, Sweden. Tire tightener. 1,516,725; Nov. 25.
 Hammond, John H., Jr., Gloucester, Mass. Windshield cleaner. 1,516,600; Nov. 25.
 Hammond, John H., Jr., Gloucester, Mass. Smoke-screen-producing means. 1,516,726; Nov. 25.
 Handler, Oscar, New York, N. Y. Candle snuffer. 1,517,119; Nov. 25.
 Haisko, Michael, Witt, Ill. Sliding-window-sash lock. 1,516,978; Nov. 25.
 Hank, Henry J., Henry, Ill. Steering-post extension for tractors. 1,517,116; Nov. 25.
 Hanly, George M., Timm, assignor of one-third to J. V. Hersberger, Toledo, Ohio. Spring-winding machine. 1,517,004; Nov. 25.
 Hanna, Charles T. (See Hastings, H. C., and Hanna.)
 Hanson, Bengt M. W., Hartford, Conn. Bearing. 1,517,060; Nov. 25.
 Harmon, P. T. (See Schlusessburg, George, assignor.)
 Harrington, David R., Elmhurst, N. Y. Crank-casing-boring device. 1,516,853; Nov. 25.
 Harris, Carl C., assignor to Rodney Hunt Machine Company, Orange, Mass. End seal for wood rolls. 1,516,565; Nov. 25.
 Harris, De Witt C., Pineland, Fla. Typewriter. 1,516,920; Nov. 25.
 Harrold, John G., Quincy, Mass. Pneumatic signal apparatus. 1,516,963; Nov. 25.
 Hart, Lester C., Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, Disconnecting switch. 1,517,061; Nov. 25.
 Hartford Valve Manufacturing Company, The. (See Flynn, Michael H., assignor.)
 Hartley, George E., Watford, England. Apparatus for exhibiting pictures, advertisements, and the like. 1,516,921; Nov. 25.
 Haskellite Manufacturing Corporation. (See Haskell, Henry L., assignor.)
 Haskell, Henry L., Ludington, assignor to Haskellite Manufacturing Corporation, Grand Rapids, Mich. Laminated material and preparing same. 1,516,566; Nov. 25.
 Haskell, Henry L., Ludington, assignor to Haskellite Manufacturing Corporation, Grand Rapids, Mich. Cement or waterproof glue material and preparing or manufacturing the same. 1,516,567; Nov. 25.
 Hastings, Hammond C., and C. T. Hanna, Rugby, England, assignors to General Electric Company. Electric-motor control. 1,517,283; Nov. 25.

Hatcher, Herbert T., Kansas City, Mo. Folding horse. 1,517,156; Nov. 25.
 Hawkesworth, Arthur L., assignor to Hawkesworth Drill Company, Butte, Mont. Drill. 1,516,601; Nov. 25.
 Hawkesworth Drill Company. (See Hawkesworth, Arthur L., assignor.)
 Hawkins, Wilford J., Montclair, N. J., assignor to American Machine & Foundry Company. Pressure-chamber and plunger construction. 1,516,727; Nov. 25.
 Hawkins, Wilford J., New York, N. Y. Air pump. 1,516,816; Nov. 25.
 Hawkins, Wilford J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Rotary pump. 1,516,817; Nov. 25.
 Hawkins, Wilford J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Carbureting apparatus. 1,516,818; Nov. 25.
 Hays, Claud R., Camp Holabird, Md., assignor to J. W. Weeks, Secretary of War of the United States of America, trustee. Demountable rim. 1,516,964; Nov. 25.
 Heath, Archibald B., Lynbrook, N. Y. Lamp. Des. 66,081; Nov. 25.
 Hebert, Octave J., New Iberia, La. Washboard. 1,517,062; Nov. 25.
 Hecht, Heinrich, H. Lichte, and B. Nielsen, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Damping vibratory structures of vibration apparatus. 1,517,083; Nov. 25.
 Hedges, George H., Bristol, England. Tip-up seat in cinemas, theaters, and the like. 1,516,771; Nov. 25.
 Hein, George N., San Francisco, Calif. Sunshade. 1,516,854; Nov. 25.
 Helsey, A. H., & Co. (See Sanford, Andrew J., assignor.)
 Helts, Leonard F., Lake Mills, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Revolution indicator for churns. 1,517,064; Nov. 25.
 Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,516,922; Nov. 25.
 Hemphill Company. (See Lawson, J., and Quint, assignors.)
 Herschberger, John V. (See Hanly, George M., assignor.)
 Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines. 1,516,532; Nov. 25.
 Heydon, Edward, deceased; E. Heydon, executrix. Indianapolis, Ind. Trolley-wire hanger. 1,517,157; Nov. 25.
 Heydon, Emma, executrix. (See Heydon, Edward.)
 Hieber, August, Cannstatt-Stuttgart, Germany. Sliding window controlled by spiral spring. 1,517,212; Nov. 25.
 Higgins, Joseph J., Bronx, N. Y. Buoy for indicating the position of sunken vessels. 1,517,158; Nov. 25.
 Hiles, Arthur J. (See Hiles, John E. and A. J.)
 Hiles, John E. and A. J., Missouri Valley, Iowa. Plow. 1,516,729; Nov. 25.
 Hill Compressor & Pump Company, The. (See Edwards, Harry D., assignor.)
 Hill, Dwight B., Winchester, Mass. Meat-curing method and apparatus. 1,516,728; Nov. 25.
 Hill, George C., Los Angeles, Calif. Tool for seating and unseating stud bolts. 1,516,602; Nov. 25.
 Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)
 Hobb, Coleman D., Middlesboro, Ky. Lock for hopper-car doors. 1,517,005; Nov. 25.
 Hodgkins, Charles, Rowley, Mass. Movable headlight. 1,517,213; Nov. 25.
 Hoffman, Louis, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company. Pressing implement. 1,516,923; Nov. 25.
 Hollowell, William M., Arnel, Colo. Babbitting jig. 1,517,065; Nov. 25.
 Holmes, E. & B., Machinery Co. (See Beugler, Edwin F., assignor.)
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up mechanism for narrow-ware looms. 1,516,730; Nov. 25.
 Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-pulling mechanism. 1,516,533; Nov. 25.
 Hoover, Austin W., and R. Winter, Jr., Irwin, assignors to Dual-Tone Phonograph & Manufacturing Company, Manor Borough, Pa. Phonograph. 1,516,603; Nov. 25.
 Hoover, Ernest P., Wilton Junction, Iowa. Throttle lever. 1,516,637; Nov. 25.
 Hope, James D., Sharon, S. C. Vending machine. 1,517,066; Nov. 25.
 Horn, Guido, Weissensee, near Berlin, Germany. Circular-braiding machine. 1,516,568; Nov. 25.
 Hornecker, George, assignor to L. R. Conwell, Elmhurst, N. Y. Advertising device. 1,517,067; Nov. 25.
 Hornecker, George, assignor to L. R. Conwell, Elmhurst, N. Y. Display device. 1,517,068; Nov. 25.
 Horton, George T., assignor to Chicago Bridge & Iron Co., Chicago, Ill. Tank. 1,517,069; Nov. 25.
 Hoslein, Louis H., assignor to M. H. Detrick Company, Chicago, Ill. Retort-arch construction. 1,516,604; Nov. 25.
 Hoslett, Joseph L., et al. (See Nichol, James A., assignor.)
 Houghton, Lewis T., Worcester, Mass. Tension device. 1,516,885; Nov. 25.

Houghton, William M., Chestnut Hill, Mass. Blowtorch. 1,516,855; Nov. 25.
 Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,517,231; Nov. 25.
 Huddart, Alfred H., Godalming, England. Stretcher support for ambulance vehicles. 1,517,069; Nov. 25.
 Hug, Christian J., assignor to The Hug Company, Highland, Ill. Turntable. 1,516,605; Nov. 25.
 Hug Company, The. (See Hug, Christian J., assignor.)
 Hughes, Roland A., Cygnut, Ohio. Oil-well-working valve. 1,516,534; Nov. 25.
 Hunt, Charles, Washington, D. C. Float for sport, pleasure, and rescue use. 1,517,007; Nov. 25.
 Hunt, Leigh, Chicago, Ill. Telephone memorandum attachment. 1,516,606; Nov. 25.
 Hunt, Rodney, Machine Company. (See Harris, Carl C., assignor.)
 Illinois Watch Case Company. (See Lester, William H., assignor.)
 Industrial Research Corporation. (See Brockway, Carl P., assignor.)
 Inland Steel Company. (See McIntosh, Robert L., assignor.)
 Inland Steel Company. (See Thompson, David P., assignor.)
 International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
 International Motor Company. (See Masury, A. F., and Lelpert, assignors.)
 International Signal Co., The. (See Webb, Jean F., Jr., assignor.)
 Irwin, David K., Short Hills, N. J., assignor to Economy Glass Company, Morgantown, W. Va. Glass tumbler. Des. 66,082; Nov. 25.
 Ishimoto, Hachiro, Marysville, Calif. Irrigation device. 1,517,159; Nov. 25.
 Jacques, George W., Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Fastener-feeding mechanism. 1,516,965; Nov. 25.
 Jaffe, Samuel. (See Kanner, S., and Jaffe.)
 Jandus, Herbert S., Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamping device for bumpers. 1,516,731; Nov. 25.
 Jants, Gustave H., Wyoming, Ohio. Wringer rolls for clothes wringers. 1,516,886; Nov. 25.
 Jaray, Paul, Brunnen, Switzerland, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. Rubber indicator for aircraft. 1,516,733; Nov. 25.
 Jaray, Paul, Friedrichshafen-on-the-Bodensee, assignor to the Firm Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen a. B., Germany. Gas valve for airships. 1,516,732; Nov. 25.
 Jaynes, John D., Twining, Mich. Rope clamp. 1,516,924; Nov. 25.
 Jeffery Manufacturing Company, The. (See Briggs, Robert E., assignor.)
 Jenkins, Elbert J., assignor to The Dow Chemical Company, Midland, Mich. Piston ring. 1,517,070; Nov. 25.
 Jensen, Peter L. (See Pridham, E. S., and Jensen.)
 Jensen, Peter S. B., Berlin, Wis. Glove. 1,516,966; Nov. 25.
 Jesko, Harry R., Laverne, Okla. Oil burner. 1,516,638; Nov. 25.
 Jobe, Arno, New Richland, Minn. Poultry perch. 1,516,639; Nov. 25.
 Johanson, John, Schenectady, N. Y., assignor to General Electric Company, Hollow turbine bucket and manufacturing same. 1,516,607; Nov. 25.
 Johnson, Bert A., Mandan, N. Dak. Shock-loading machine. 1,516,967; Nov. 25.
 Johnson, Carl M., Chicago, Ill. Mold for concrete burial vaults. 1,516,535; Nov. 25.
 Johnson, Charles B., Brooklyn, N. Y. Shoulder-operated vehicle. 1,516,856; Nov. 25.
 Johnson, Edgar H., Stamford, Conn. Extruding machine. 1,516,968; Nov. 25.
 Johnson, Francis E., Jr. (See Arnold, S. N., and Johnson.)
 Johnson, Jack W., Chicago, assignor to Radio Vacuum Cleaner Company, St. Charles, Ill. Clutch. 1,516,734; Nov. 25.
 Johnson, John T., assignor to The American Rubber and Tire Company, Akron, Ohio. Bathing slipper. Des. 66,083; Nov. 25.
 Johnson, Oscar J., Cloquett, Minn. Nut wrench. 1,516,735; Nov. 25.
 Johnson, Sadie B., Holt, Ala. Matchbox. 1,516,819; Nov. 25.
 Johnson, William A., and A. W. Roberts, Yonkers, N. Y. Skin filler. 1,516,820; Nov. 25.
 Johnstone, James O. (See Wilke, E. L., and Johnstone.)
 Jones, Ansel B., New Haven, Conn. Balance mechanism. 1,517,008; Nov. 25.
 Jones, Harry A., and E. W. Struve, Parsons, Kans. Rail stop. 1,516,495; Nov. 25.
 Juley, Thomas H. (See Gregg, Walter R., assignor.)
 Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. 1,517,234; Nov. 25.

Kade, Friedrich, Charlottenburg, Germany, assignor to General Electric Company. Electric conductor of the laminated type. 1,517,237; Nov. 25.
 Kammerer, Herbert E., Los Angeles, Calif. Electrical switch box. 1,516,736; Nov. 25.
 Kammerer, William J., New York, N. Y. Separable fastener. 1,516,737; Nov. 25.
 Kane, Francis P., Jacksonville, Ill. Hand bag. 1,517,160; Nov. 25.
 Kanner, Samuel, and S. Jaffe, New York, N. Y. Hat pad. 1,517,071; Nov. 25.
 Kaplan, David, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 66,084; Nov. 25.
 Kasser, Morris, San Francisco, Calif. Process of and apparatus for grading eggs. 1,516,738; Nov. 25.
 Kaveney, Charles P., Pretty Rock, N. Dak. Air moistener. 1,516,857; Nov. 25.
 Keegan, Patrick, Fall River, assignor to Draper Corporation, Hopedale, Mass. Filling-detecting device for looms. 1,517,072; Nov. 25.
 Kellogg, M. W., Company, The. (See Arnold, S. N., and Johnson, assignors.)
 Kelvinator Corporation. (See Dever, William C., assignor.)
 Kent, James W., Brooklyn, N. Y. Machine for dressing stones. 1,517,073; Nov. 25.
 Kerch, John, assignor to The XXth Century Heating and Ventilating Company, Akron, Ohio. Furnace construction. 1,516,969; Nov. 25.
 Kershaw, Alice M., Cambridge, Mass. Broller. 1,517,161; Nov. 25.
 Ketterer, Charles A., East St. Louis, Ill. Refrigeration. 1,516,739; Nov. 25.
 Kilde, Walter, & Company. (See Kilde, W., and Worth, assignors.)
 Kilde, Walter, Montclair, and B. G. Worth, West Orange, N. J., assignors to Walter Kilde & Company. Detection of suspended matter in gases. 1,516,608; Nov. 25.
 Kiger, Walter H., St. Louis, assignor of one-half to A. C. Oppermann, Jr., Nursery, Mo. Electric furnace for heating soldering copper. 1,516,970; Nov. 25.
 King, Percival F., New York, N. Y. Plier wrench. 1,517,162; Nov. 25.
 King, Walter A., assignor of one-half to F. E. Davies, Ferndale, Mich. Making bearings. 1,516,740; Nov. 25.
 Kingsbury, Edward J., Keene, N. H. Automatic drilling machine. 1,516,858; Nov. 25.
 Kirkpatrick, William W., Hydro, Okla. Folding bucket support. 1,517,074; Nov. 25.
 Kirschbraun, Lester, Chicago, Ill. Making emulsified compositions. 1,517,075; Nov. 25.
 Knapp, Albert S. (See Wright, G. F., and Knapp.)
 Kniffen, Elliott D., Brooklyn, N. Y. Eyeglasses. 1,517,009; Nov. 25.
 Knight, Hervey S., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Thermostatically-adjusted sight line for chart scales. 1,516,741; Nov. 25.
 Kingston, Thomas H., West Somerville, Mass. Putlog. 1,516,971; Nov. 25.
 Knittle, Harry R., Catawissa, Pa. Printing-press attachment. 1,517,076; Nov. 25.
 Knott, Conrad, Jr., Ridgewood, assignor of one-half to J. T. Bladen, Brooklyn, N. Y. Seal. 1,516,609; Nov. 25.
 Knothe Brothers Co. (See Knothe, Frank F., assignor.)
 Knothe, Frank F., Ridgewood, N. J., assignor to Knothe Brothers Co., Inc., New York, N. Y. Display box. 1,516,821; Nov. 25.
 Kolling, Charles H., and R. Prietz, Jersey City, assignors of three-eighths to O. O. Lauckner, Hoboken, and three-eighths to O. A. Weissenborn, Jersey City, N. J. Mechanical theft alarm for automobiles. 1,516,536; Nov. 25.
 Kramer, Philip R., Bay City, Mich. Automatic pistol. 1,516,972; Nov. 25.
 Kreitzer, John, Plunkett, Saskatchewan, Canada. Brake and hauling device for automobiles. 1,517,077; Nov. 25.
 Kremer-Cummins Machine Company, The. (See Kremer, R. W., and Cummins, assignors.)
 Kremer, Robert W., and R. R. Cummins, assignors to The Kremer-Cummins Machine Company, Cleveland, Ohio. Belt-shifting mechanism. 1,517,078; Nov. 25.
 Kropp, Walter. (See Hahl, H., and Kropp.)
 La Boiteaux, Eugene M., Washington, D. C. Tabulating machine. 1,516,772; Nov. 25.
 Lafferier, Nelson A. (See Lafferier, Ollie L., and N. A.)
 Lafferier, Ollie L., and N. A., Argyle, Minn. Clothes wringer. 1,516,742; Nov. 25.
 Lambros, Harry. (See Fitt, Henry G., assignor.)
 Lancaster, John S., Warwick, assignor of one-half to J. F. Burn, London, England. Machine for mixing concrete mixtures and for washing sand and the solid ingredients thereof. 1,516,773; Nov. 25.
 Lancaster, John S., Warwick, assignor of one-half to J. F. Burn, London, England. Apparatus for coating or impregnating road stone or other material. 1,516,774; Nov. 25.
 Landis Tool Company. (See Stoner, Paul, assignor.)
 Lang, Charles R., assignor to G. & J. Weir, Limited, Glasgow, Scotland. Feed-water system in steamships. 1,517,163; Nov. 25.
 Lange, Berthold A., St. Louis, Mo. Crate. 1,516,743; Nov. 25.

Langenberg, Frederick C. (See Loughran, George F., assignor.)
 Langton, George H., Princeton, W. Va. Swaging tool. 1,517,079; Nov. 25.
 Lantrip, Clarence, Fouke, Ark. Basket-ball goal. 1,516,859; Nov. 25.
 Larsen, Charles A., Denver, Colo. Apparatus for facilitating assembling of valves and their springs. 1,516,860; Nov. 25.
 Lauckner, Oscar O., et al. (See Kolting, C. H., and Prietz, assignors.)
 Laumann, Walter L., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo. Pin or similar article. Des. 66,085; Nov. 25.
 Lawrence, Orville H., Canoto, Ontario, Canada. Metal shoe fastener. 1,517,118; Nov. 25.
 Lawson, John, Pawtucket, R. I., and E. A. Quint, New Brunswick, N. J., assignors to Hemphill Company, Central Falls, R. I. Spring-beard knitting needle. 1,517,214; Nov. 25.
 Lear, Melchor F., Denver, Colo. Scrubbing pall. 1,517,164; Nov. 25.
 Lee, Ottar S., assignor to Nye Tool & Machine Works, Chicago, Ill. Vise. 1,517,010; Nov. 25.
 Lelpert, August H. (See Masury, A. F., and Lelpert.)
 Lester, William H., assignor to Illinois Watch Case Company, Elgin, Ill. Buckle. 1,517,080; Nov. 25.
 Le Valley, Fred H., Huron, S. Dak. Hog greaser. 1,516,861; Nov. 25.
 Lewis, Emanuel J., and J. G. McGreevy, Chicago, Ill. Duplex envelope. 1,516,925; Nov. 25.
 Libby, McNeill & Libby. (See Mallory, Charles E., assignor.)
 Liberty Systems Corporation. (See Reller, Edwin L., assignor.)
 Lichte, Hugo. (See Hecht, H., Lichte, and Nielsen.)
 Lichter, Benjamin, et al. (See Smith, Benjamin, assignor.)
 Lindgren, Carl J., and G. J. Pfeiffer, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Separator for dobby levers. 1,516,674; Nov. 25.
 Lindquist, William H., Bayonne, N. J. Refrigerating apparatus. 1,516,744; Nov. 25.
 Linehan, Edward E., St. Paul, Minn. Radio attachment for phonographs. 1,516,745; Nov. 25.
 Loesel, Nicholas, Richmond Hill, assignor to American Can Company, New York, N. Y. Talcum-powder box with reinforced bead. 1,516,537; Nov. 25.
 Lohr, Frederick W., New York, N. Y. Apparatus for making fillets. 1,517,081; Nov. 25.
 Lonet, Thomas, Oakland, Calif. Combination automobile light. Des. 66,086; Nov. 25.
 Lonet, Thomas, Oakland, Calif. Combination automobile light. Des. 66,087; Nov. 25.
 Loughran, George F., Boston, assignor of one-half to F. C. Langenberg, Cambridge, Mass. Device for handling foundry flasks. 1,516,973; Nov. 25.
 Loury, William J., Chattanooga, Tenn. Foot-pedal rest. 1,516,862; Nov. 25.
 Loveman, William R., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Electric battery. 1,516,974; Nov. 25.
 Lovering, Leslie B., Dayton, Ohio. Badge or similar article. Des. 66,088; Nov. 25.
 Luebbe, Henry F. (See Williamson, James E., assignor.)
 Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Jaray, Paul, assignor.)
 Lubring, Henry, Lakeview, S. Dak. Fencepost. 1,517,119; Nov. 25.
 Lunday, Russell E., Butte, Mont. Direction-indicator switch. 1,517,011; Nov. 25.
 Lunday, Russell E., Los Angeles, Calif. Direction indicator for automobiles. 1,516,538; Nov. 25.
 Lundberg, Thomas, Everett, assignor of one-half to A. Cady, Brookline, Mass. Switch-point lead. 1,516,863; Nov. 25.
 Lundquist, Frank A., Chicago, Ill., assignor, by mesne assignments, to H. S. Conrad, trustee. Selector and connection. 1,516,539; Nov. 25.
 Lupien, Louis A., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Fastening device. 1,516,610; Nov. 25.
 Lupton, Edward J., Cleveland, Ohio. Doll. Des. 66,089; Nov. 25.
 Lutz, Hans, assignor to The Willys-Morrow Company, Elmira, N. Y. Grinding machine. 1,516,746; Nov. 25.
 Lyon, Robert V., Buffalo, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Curtain stretcher and drier. 1,516,611; Nov. 25.
 MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and machine for making laminated articles. 1,516,613; Nov. 25.
 MacLellan, Harry G., assignor to L. J. Sevison, Angola, Ind. Water gauge for auto radiators. 1,516,614; Nov. 25.
 Magnano Corporation. (See Magnano, Sebastiano, assignor.)
 Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Warp-stop-detector-applying mechanism. 1,516,675; Nov. 25.
 Magnavox Company, The. (See Pridham, E. S., and Jensen, assignors.)

Maille, Gabriel, Amlens, France. Hinge. 1,516,747; Nov. 25.
 Maitre, Alcide H., and V. H. G. Martin, Rouen, France. Damper for contact-breaker devices for electromagnetic vibrating members. 1,517,217; Nov. 25.
 Majchrzak, Thomas J., Grand Rapids, Mich. Fluid-fuel burner. 1,516,569; Nov. 25.
 Majik Electric Appliance Company. (See Coleman, George B., assignor.)
 Mallory, Charles E., Wauwun, Wis., assignor to Libby, McNeill & Libby, Chicago, Ill. Stamping means. 1,516,676; Nov. 25.
 Mann, Willy, Neundorf, near Suhl, Germany. Automatic pistol. 1,516,540; Nov. 25.
 Mannes, Leopold D., and L. Godowsky, Jr., New York, N. Y. Color photography. 1,516,824; Nov. 25.
 Mansure, E. L., Company. (See Wotocek, John, assignor.)
 Manufacturers Can Co., The. (See Milligan, Stephen W., assignor.)
 Mardel, Charles M., Oakland, assignor of one-half to San Francisco-Sacramento Railroad Company, San Francisco, Calif. Jib crane. 1,516,976; Nov. 25.
 Marder, Leo, Brooklyn, N. Y. Hand mirror. Des. 66,090; Nov. 25.
 Markel, Orville, Chicago, Ill. Vending machine. 1,516,677; Nov. 25.
 Marquette Tool & Manufacturing Co. (See Nilson, O. G., and Glasner, assignors.)
 Martin Iron Works. (See Carr, John A., assignor.)
 Martin, Victor H. G. (See Maitre, A. H., and Martin.)
 Martinek, Steven A., Rossville, Kans. Trap gun. 1,517,085; Nov. 25.
 Marx, Richard, Philadelphia, Pa. Dishwashing machine. 1,517,218; Nov. 25.
 Mason, John, Cape May, N. J. Mooring station for dirigibles. 1,516,541; Nov. 25.
 Massimo, Louis S., Bayside, N. Y. Traffic signal. 1,516,542; Nov. 25.
 Massing, Charles A. (See Davie, George H., assignor.)
 Masury, Alfred F., and A. H. Lelpert, assignors to International Motor Company, New York, N. Y. Compression resilient tire. 1,517,239; Nov. 25.
 Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Manufacturing trolley-wire supports. 1,516,864; Nov. 25.
 Mattice, John C., Naples, assignor to H. J. Neufang, Atlanta, N. Y. Plow. 1,517,086; Nov. 25.
 McAllister, William H., Linden, Pa. Caster and making same. 1,517,082; Nov. 25.
 McAllister, William H., Linden, Pa. Caster. 1,517,083; Nov. 25.
 McArthur, Charles D., Pittsburgh, Pa. Joint for furniture and the like. 1,516,975; Nov. 25.
 McCarron, Frances E., Kansas City, Mo. Food container. 1,516,775; Nov. 25.
 McCormack, Daniel J., Cleveland, Ohio, assignor, by mesne assignments, to Newport News Shipbuilding & Dry Dock Company, Newport News, Va. Water turbine. 1,516,822; Nov. 25.
 McCullough, Myron W., Brooklyn, N. Y. Heating stove. 1,517,215; Nov. 25.
 McDonald, John L., St. Joseph, Mo. Pocket. 1,517,120; Nov. 25.
 McDonell, William E., assignor to Shur-On Optical Company, Inc., Rochester, N. Y. Ophthalmic mounting. 1,517,216; Nov. 25.
 McGreevy, James G. (See Lewis, E. J., and McGreevy.)
 McGuire, Francis C., Macomb, Ill. Glare shield. 1,516,776; Nov. 25.
 McIntosh, Robert L., assignor to Inland Steel Company, Indiana Harbor, Ind. Heating apparatus for rolls. 1,516,612; Nov. 25.
 McKenzie, Casimir P. (See Smith, Clarence W., assignor.)
 McKnight, Oscar W., assignor to The Burnt Tile and Porcelain Company, Columbus, Ohio. Spur-forming machine. 1,517,084; Nov. 25.
 McNaughton, William W., assignor of one-half to F. C. Fischer, Jr., Newark, N. J. Antiskidding device. 1,516,823; Nov. 25.
 McPherson, Edward H., Jeffersonville, Ind. Game apparatus. 1,516,887; Nov. 25.
 McVicar, Everett W. (See Fausse, J., and McVicar.)
 McWhorter, William H. (See Treiber, Theodore R., assignor.)
 Mead, George J., Chicago, Ill., and C. A. Roessbach, Milwaukee, Wis., assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Reclaiming rubber materials and the product. 1,517,221; Nov. 25.
 Meadows Mfg. Co. (See Criner, Harry J., assignor.)
 Meagher, Mathew T. (See Moore, M. J., and Meagher.)
 Measuregraph Company, The. (See Wheeler, John L., assignor.)
 Meier, Hermann, Bremen, Germany. Machine tool. 1,516,543; Nov. 25.
 Melle, John M., East St. Louis, Mo. Automatic circuit-controlling device for power-operated vehicles. 1,516,615; Nov. 25.
 Mellenbruch, Victor R., Burdick, Kans. Traffic signal. 1,516,570; Nov. 25.
 Mergott, J. E., Co., The. (See Fuller, Franz A., assignor.)

Merrill, Carl J., Portland, Me. Drying apparatus for tenter frames and the like. 1,517,012; Nov. 25.
 Messacar, William H., Detroit, Mich. Form clamp. 1,516,777; Nov. 25.
 Metals Refining Company. (See Wilke, E. L., and Johnston, assignors.)
 Meyer, Conrad M., Los Angeles, Calif. Concentrator. 1,516,640; Nov. 25.
 Meyer, George W. (See Roos, Charles A., assignor.)
 Meyer, George W., assignor of one-half to C. A. Roos, Cincinnati, Ohio. Lifting jack. 1,516,616; Nov. 25.
 Miller, Clarence L., Brooklyn, N. Y. Garment hanger. 1,517,219; Nov. 25.
 Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
 Milligan, Stephen W., Newark, assignor to The Manufacturers Can Co., Harrison, N. J. Liquid-holding can. 1,517,121; Nov. 25.
 Mittinger, George E., Cleveland, Ohio. Metallic head for wooden kegs and the like. 1,517,087; Nov. 25.
 Modée, Sidney L., assignor to E. W. Everett, Chicago, Ill. Device for tightening wires or rods. 1,516,748; Nov. 25.
 Moore, Edward Y., Cleveland, Ohio. Door hanger. 1,517,088; Nov. 25.
 Moore, Frederick W., East Orange, N. J. Making covering materials. 1,516,571; Nov. 25.
 Moore, Monta J., and M. T. Meagher, Los Angeles, Calif. Polishing machine. 1,516,749; Nov. 25.
 Moore, Thomas F., East San Diego, Calif. Combined milk-can opening and sealing device. 1,517,089; Nov. 25.
 Moors, George F., Webster Groves, assignor to The Republic Engine Company, St. Louis, Mo. Packing ring. 1,517,090; Nov. 25.
 Morrell, Albert H. (See Wishart, W., and Morrell.)
 Morrison, Donald F., et al. (See Curry, T. W., and Godfrey, assignors.)
 Morrison, George, Denver, Colo., assignor to Swift & Company, Chicago, Ill. Removing skins from pork bellies. 1,516,678; Nov. 25.
 Moulton, Ralph J., Weymouth Heights, Mass., assignor to The General Fireproofing Company, Youngstown, Ohio. Door mounting for safes and the like. 1,516,977; Nov. 25.
 Muhleisen, Henry W., assignor to W. S. Rush & Co., Los Angeles, Calif. Conical roller timer. 1,516,617; Nov. 25.
 Müller, Reinhard, Elm, near Cassel, Germany. Writing instrument. 1,516,865; Nov. 25.
 Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Recording machine. 1,516,679; Nov. 25.
 Mulnix, Frank R., and F. E. Dillenbeck, Eldorado, Kans. Display easel. 1,516,838; Nov. 25.
 Murray, George, Bayville, assignor to C. Wansor, Hempstead, N. Y. Wall plug. 1,517,091; Nov. 25.
 Muskat, Charles G., Los Angeles, Calif. Ship construction. 1,516,750; Nov. 25.
 Myers, F. E., and Brother Company, The. (See Myers, Philip A., assignor.)
 Myers, Philip A., assignor to The F. E. Myers and Brother Company, Ashland, Ohio. Bearing. 1,516,572; Nov. 25.
 Nagel, W. G., Electric Company, The. (See Decker, Hugh L., assignor.)
 Nantz, Frank L., Waukegan, Ill. Clamp. 1,517,092; Nov. 25.
 National Metal Products Company. (See Bricker, Harry E., assignor.)
 National Pneumatic Company. (See Rowntree, Harold, assignor.)
 Nauds, Max, and H. S. Rosa, New York, N. Y. By-pass preventer and automatic shut-off. 1,516,889; Nov. 25.
 Naysmith, Frank M., Kansas City, Mo. Chair. 1,516,778; Nov. 25.
 Nelson, George, Dale & Company. (See Beveridge, William K., assignor.)
 Nelson, Nels H., Willmar, Minn. Signaling device for vehicles. 1,516,978; Nov. 25.
 Neufang, Henry J. (See Mattice, John C., assignor.)
 Neugent, John T., et al. (See Nichol, James A., assignor.)
 New Jersey Motors, Inc. (See Ferrin, Arthur W., assignor.)
 Newport News Shipbuilding & Dry Dock Company. (See McCormack, Daniel J., assignor.)
 New York Air Brake Company, The. (See Vroman, Erwin C., assignor.)
 Nichol, James A., assignor of one-half to J. L. Hoslett and one-sixth to J. T. Neugent, Green Bay, Wis. Paper-interfolding machine. 1,516,779; Nov. 25.
 Nicklin, Walton E., Pryor, Okla. Desk calendar. 1,516,780; Nov. 25.
 Nielsen, Bernhard. (See Hecht, H., Lichte, and Nielsen.)
 Nilson, Olof G., and B. W. Glasner, assignors to Marquette Tool & Manufacturing Co., Chicago, Ill. Valve-operating mechanism. 1,516,979; Nov. 25.
 Noah, Mortimer, New York, N. Y. Sanding device for vehicles. 1,516,544; Nov. 25.
 Noetting, William H., and E. A. Smithfield, assignors to Pauline Caster Company, Evansville, Ind. Caster slide. 1,516,573; Nov. 25.

Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Magneto-electric generator. 1,517,093; Nov. 25.
 Nudelman, Maurice F., Portland, Oreg. Luggage rack. 1,517,094; Nov. 25.
 Nye Tool & Machine Works. (See Lee, Ottar S., assignor.)
 Nylen, Oscar F., Chicago, Ill. Conduit support for electrical apparatus. 1,516,781; Nov. 25.
 Oakley, John. (See Perkins, J. L., Oakley, Wilson, and Croft.)
 Oberschmidt, Frederick H., East Cleveland, Ohio. Corn popper. 1,516,782; Nov. 25.
 O'Boyle, Thomas, West Columbia, Tex., assignor to R. G. Hamaker. Pumping apparatus. 1,516,783; Nov. 25.
 Ockleston, William H., Bourne, and T. B. Carmichael, Waterloo, near Liverpool, England. Tanning. 1,516,641; Nov. 25.
 O'Conner, John L., Taft, Calif. Revolving sleeping-car seat. 1,516,866; Nov. 25.
 Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
 Oger, Victor J., Chelles, assignor to Florent Teste, Paris, France. Mud guard for vehicles. 1,516,784; Nov. 25.
 Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
 Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
 Old South Cone Company. (See Smith, Benjamin.)
 Oliver Electric & Manufacturing Company. (See Amos, John A., assignor.)
 Olson, Lars J., Troky, Minn. Grain-saving attachment. 1,516,545; Nov. 25.
 Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,516,574; Nov. 25.
 Oppenheim, Albert, New York, N. Y., assignor to The Connecticut Web & Buckle Company, Bridgeport, Conn. Buckle. 1,516,980; Nov. 25.
 Oppermann, Albert C., Jr. (See Kiger, Walter H., assignor.)
 Orr, Robert, Montreal, Canada. Internal-combustion engine. 1,516,546; Nov. 25.
 O'Shea, Dennis C., Chicago, Ill. Garment. 1,516,981; Nov. 25.
 Oswald, Herman, Richmond Hill, N. Y. Machine for making polygonal caps. 1,516,575; Nov. 25.
 Oswald, Earl P., Detroit, Mich. Telephone receiver. 1,516,680; Nov. 25.
 O'Toole, Edward, Gary, W. Va. Mining apparatus. 1,517,095; Nov. 25.
 Owen, William H., Wimbledon, London, England. Furnace. 1,516,642; Nov. 25.
 Owens, Freeman H., New York, N. Y. Motion-picture apparatus and camera. 1,516,496; Nov. 25.
 Palmer, Fenn H., Los Angeles, Calif. Antireversing pump head. 1,516,681; Nov. 25.
 Pansache, Salavatore, Waterbury, Conn. Drawbench attachment. 1,516,618; Nov. 25.
 Paoloni, Arturo, assignor, by mesne assignments, to the Firma Motor-Columbus Aktiengesellschaft für Elektrische Unternehmungen, Baden, Switzerland. Electric furnace. 1,517,122; Nov. 25.
 Paper De-Inking Co., The. (See Eyrich, Harold E., assignor.)
 Pardee, Frank, Hazleton, Pa., assignor to Anthracite Separator Company. Adjustable spiral separator. 1,516,926; Nov. 25.
 Park, Harry, Portland, Oreg. Advertising and demonstrating novelty. 1,517,123; Nov. 25.
 Parker, Charles A., Haugan, Mont., assignor to Western Automatic Company, Spokane, Wash. Ramp shoe. 1,517,096; Nov. 25.
 Parkyn, Herbert A. (See Ashenburt, Harold S., assignor.)
 Pascal, Charles, Montreal, Quebec, Canada. Rail joint. 1,517,124; Nov. 25.
 Patent Button Company, The. (See Purinton, Forrest G., assignor.)
 Patent Button Company, The. (See White, Franklin R., assignor.)
 Patton, Ralph C., Providence, R. I., assignor to Precision Adding Machine Company, Charlotte, N. C. Adding machine. 1,517,125; Nov. 25.
 Paul, Leonard B., Omaha, Nebr. Rim. 1,516,643; Nov. 25.
 Paulsen, Christian P., Seattle, Wash. Heel for boots and shoes. 1,517,126; Nov. 25.
 Peabody, John A., Seattle, Wash. Metallic tie. 1,516,682; Nov. 25.
 Pease, Durell O., Worcester, Mass. Method of and apparatus for making composite threads. 1,516,576; Nov. 25.
 Pelton, George W., Muscatine, Iowa. Press. 1,516,982; Nov. 25.
 Perkins Appliance Company. (See Perkins, J. L., Oakley, Wilson, and Croft, assignors.)
 Perkins, Elijah, Manchester, England. Device for turning over the leaves of music. 1,516,983; Nov. 25.
 Perkins, Julian L., West Springfield, J. Oakley, R. A. Wilson, and H. D. Croft, assignors to Perkins Appliance Company, Springfield, Mass. Index. 1,516,984; Nov. 25.
 Perry, George E., assignor to W. F. Cummings, Chicago, Ill. Signal-lamp support. 1,516,577; Nov. 25.

Peterson, Harold, assignor to Standard Oil Company, Whiting, Ind. Candle, Des. 66,091; Nov. 25.
 Pfeiffer, George J. (See Lindgren, C. J., and Pfeiffer.)
 Phare, John J., Cleveland, Ohio. Fruit tapping and crimping utensil. 1,516,683; Nov. 25.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Open-fire gas heater. 1,516,927; Nov. 25.
 Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoulder guard. 1,516,644; Nov. 25.
 Pierce, John, Southbury, Conn. Tea-balling machine. 1,516,497; Nov. 25.
 Piette, Olivier J. G., et al. (See De Lolsy, Marie C. J. E., assignor.)
 Pifer, John H., Larimore, N. Dak. Scraper mechanism. 1,516,619; Nov. 25.
 Pilkington, Jesse L., Glen Rock, N. J. Desk calendar. 1,516,498; Nov. 25.
 Pillar, George B., Milwaukee, Wis. Washing machine. 1,516,985; Nov. 25.
 Pillar, Oscar, assignor to Vacuum Groove Piston Ring Corporation, Oakland, Calif. Porting machine. 1,516,751; Nov. 25.
 Platt, Edwin F. (See Platt, Edwin H., assignor.)
 Platt, Edwin H., Denver, Colo., assignor of one-half to E. F. Platt, Portland, Oreg. Power transmission for motor vehicles. 1,516,578; Nov. 25.
 Pochin, Charles D., Corwen, Wales. Manufacture of blocks or the like for paving and like purposes. 1,516,890; Nov. 25.
 Podel, Abraham, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Method and apparatus for treating plates prior to lacquering or the like. 1,517,097; Nov. 25.
 Poulos, Gus, Boone, Iowa. Milk-dispensing apparatus. 1,516,825; Nov. 25.
 Poulson, Walter K., Upton, Wyo. Thread-cutting device. 1,517,220; Nov. 25.
 Powell, Samuel P., Astoria, Ill. Filter. 1,517,165; Nov. 25.
 Powell, Walter D., Fargo, N. Dak. Registration of motor vehicles. 1,516,547; Nov. 25.
 Powers, Nicholas C., Chicago, Ill. Template for trimming the neck. 1,517,166; Nov. 25.
 Pratt, William H., Cumminsville, Nebr. Vehicle radiator curtain. 1,516,785; Nov. 25.
 Precision Adding Machine Company. (See Patton, Ralph C., assignor.)
 Prentice, George E., Berlin, Conn. Key case. 1,517,013; Nov. 25.
 Prentice, George E., Berlin, Conn. Buckle for belts. 1,517,014; Nov. 25.
 Prentiss, Irving R., Philadelphia, Pa. Set of golf clubs. 1,516,786; Nov. 25.
 Preston, Edward S., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Electric cigar lighter. 1,517,098; Nov. 25.
 Price, Albert O., Coshocton, Ohio. Sound amplifier. Des. 66,092; Nov. 25.
 Price Engine Corporation. (See Price, William T., assignor.)
 Price, William T., New Rochelle, N. Y., assignor to Price Engine Corporation. Oil engine. 1,517,015; Nov. 25.
 Pridgen, Josiah D., Smackover, Ark. Swivel joint for sucker rods. 1,516,891; Nov. 25.
 Pridham, Edwin S., and P. L. Jensen, assignors to The Magnavox Company, Oakland, Calif. Cabinet for radio receiving apparatus. Des. 66,093; Nov. 25.
 Prietz, Reinhold. (See Kolling, C. H., and Prietz.)
 Proctor & Schwartz, Incorporated. (See Gallagher, A. M., and Wanamaker, assignors.)
 Proudfoot, Charles S., Westmont, and D. L. Eynon, Bethlehem, Pa. Frame for sides of car trucks. 1,516,928; Nov. 25.
 Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,516,867; Nov. 25.
 Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the lasting of boots and shoes. 1,516,499; Nov. 25.
 Quint, Everett A. (See Lawson, J., and Quint.)
 Radio Vacuum Cleaner Company. (See Johnson, Jack W., assignor.)
 Rallsback, Charles S., Colorado Springs, Colo. Car seal. 1,516,787; Nov. 25.
 Rallsback, Charles S., Colorado Springs, Colo. Seal lock. 1,516,788; Nov. 25.
 Rankin, James C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose-making apparatus. 1,516,620; Nov. 25.
 Raschick, Charles T., St. Paul, Minn. Check holder and cutter. 1,516,826; Nov. 25.
 Rasser, David H., Peru, Ind. Linoleum cutter. 1,516,789; Nov. 25.
 Rastetter, Charles A., Fort Wayne, Ind. Mail receptacle. 1,516,986; Nov. 25.
 Ravitch, Boris, Pittsburgh, Pa. Operating mechanism for furnace-charging apparatus. 1,516,987; Nov. 25.
 Ray, Edward L., assignor of one-half to C. Boughan, Hedrick, Iowa. Automobile vacuum cleaner. 1,516,548; Nov. 25.
 Read, Linus G., Bridgeport, Conn. Register. 1,516,827; Nov. 25.

Recip-Koto Engine Company, The. (See Moors, George F., assignor.)
 Recker, Adolph C., Oakville, and H. C. Cady, assignors to The Chase Companies Inc., Waterbury, Conn. Push-type bush receptacle for electric installation. 1,517,127; Nov. 25.
 Redman, August J., South Bend, Wash. Ladder. 1,516,988; Nov. 25.
 Reed, Thomas S., assignor of one-half to D. Denison, Syracuse, N. Y. Warp-tensioning device for looms. 1,516,892; Nov. 25.
 Reidinger, Maxwell L., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-straightening machine. 1,516,684; Nov. 25.
 Reilly, Frank B., Des Moines, Iowa. Poultry feeder. 1,516,752; Nov. 25.
 Reilen, Henry, Greenville, Wis. Snowplow. 1,517,016; Nov. 25.
 Reiler, Edwin L., St. Louis, Mo., assignor to Liberty Systems Corporation, Wilmington, Del. Money-scheduling machine. 1,516,929; Nov. 25.
 Remy Electric Company, The. (See Evans, Ronald K., assignor.)
 Rennerfelt, Ture G., New York, N. Y. Annealing and apparatus therefor. 1,516,645; Nov. 25.
 Reznor, George F., Mercer, Pa. Gas burner. 1,517,167; Nov. 25.
 Richards, Fred T., Los Angeles, Calif. Time switch. 1,516,753; Nov. 25.
 Richards, Jacob, Jr., La Farge, Wis. Operating mechanism for hand pumps. 1,516,500; Nov. 25.
 Richardson, Oscar W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier magazine. 1,516,790; Nov. 25.
 Riddle, Edward N., Company, The. (See Riddle, John K., assignor.)
 Riddle, John K., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting fixture. 1,516,501; Nov. 25.
 Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Shock absorber for paper carriages. 1,516,685; Nov. 25.
 Roberts, Arthur W. (See Johnson, W. A., and Roberts.)
 Robertson, William, assignor of one-third to H. C. Shippee, Los Angeles, and one-third to J. H. Collins, Silver Lake, Calif. Concrete-block-making machine. 1,517,128; Nov. 25.
 Robertson, William W., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Oiling device for pile wires. 1,516,686; Nov. 25.
 Robinson, Charles H., Miami, Okla. Tire clamp. 1,516,687; Nov. 25.
 Robinson, Luther, Eldorado, Kans. Oil-well swab. 1,516,791; Nov. 25.
 Rodgers, Charles W., Seattle, Wash. Fireplace damper. 1,516,688; Nov. 25.
 Rogers, Daniel E., Birmingham, assignor to Veritys Limited, Aston, Birmingham, England. Oscillating fan. 1,517,169; Nov. 25.
 Rogers, Daniel E., London, assignor to Veritys Limited, Birmingham, England. Oscillating fan. 1,517,168; Nov. 25.
 Rook, James, London, England. Case for sterilizing or carrying clinical thermometers. 1,516,689; Nov. 25.
 Roos, Charles A. (See Meyer, George W., assignor.)
 Roos, Charles A., assignor of one-half to G. W. Meyer, Cincinnati, Ohio. Adjustable shore. 1,516,621; Nov. 25.
 Roseby, Phillip N., assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Electric resistance material and manufacturing the same. 1,516,646; Nov. 25.
 Rosenthal, Lazarus, Pittsburgh, Pa. Foot-supporting pad for shoes. 1,517,170; Nov. 25.
 Rosenwasser, Morris, New York, N. Y. Pneumatic insole for shoes. 1,517,171; Nov. 25.
 Ross, Harry S. (See Nauds, M., and Ross.)
 Rossbach, Clement A. (See Mead, G. J., and Rossbach.)
 Roth, Raymond T., New York, N. Y. Terminal block. 1,517,017; Nov. 25.
 Rousseau, Joseph E., Haverhill, Mass. Machine for operating on the shanks of shoes. 1,516,930; Nov. 25.
 Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 66,094; Nov. 25.
 Rowntree, Harold, assignor to National Pneumatic Company, New York, N. Y. Heel and toe control of vehicles. 1,516,502; Nov. 25.
 Royal Typewriter Company. (See Hess, Edward B., assignor.)
 Rudd, Albert E., Wolverhampton, England. Muffle furnace for heat treatment of steel. 1,517,172; Nov. 25.
 Ruegg, Henry, Jr., Weehawken, N. J. Heddle. 1,517,129; Nov. 25.
 Ruggles, Wells G., Quincy, assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass. Exc. beater. 1,516,792; Nov. 25.
 Rundell, Rupert E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Machine for preparing filler for cigar machines. 1,516,828; Nov. 25.
 Ruppert, Charles E., Westminster, Md. Log hook. 1,517,130; Nov. 25.

Rush, W. S., & Co. (See Muhleisen, Henry W., assignor.)
 Rutkowski, Walter. (See Fischer, C. D., and Rutkowski.)
 Ryter, William. (See Halteman, J. W., and Ryter.)
 Sage, Charles S., Rome, assignor to Sage Radiator Co., Inc., Syracuse, N. Y. Heat-transfer apparatus. 1,516,893; Nov. 25.
 Sage Radiator Co. (See Sage, Charles S., assignor.)
 Samuel, Frank, Detroit, Mich. Window scaffold. 1,516,793; Nov. 25.
 Sanford, Andrew J., assignor to A. H. Helsey & Co., Newark, Ohio. Bottle. Des. 66,095; Nov. 25.
 San Francisco-Sacramento Railroad Company. (See Marcel, Charles M., assignor.)
 Sanitary Scale Company. (See Knight, Hervey S., assignor.)
 Sapp, George O., Tallula, Ill. Chimney and ventilator top. 1,516,794; Nov. 25.
 Saunders, Edward W., St. Louis, Mo. Windshield for vehicles. 1,516,503; Nov. 25.
 Saunders, Joseph W., Pocatello, Idaho. Pencil-illuminating light. 1,516,647; Nov. 25.
 Sawicki, Mike, Bruno, Saskatchewan, Canada. Railway tie. 1,517,173; Nov. 25.
 Sandoz, Anton I., Rock Island, Ill. Wheel-alignment indicator. 1,516,549; Nov. 25.
 Sanford, Bernard, assignor to Society of the Divine Word, Techy, Ill. Drying attachment for printing presses. 1,516,579; Nov. 25.
 Schaap, Alexander K., Jr., Brooklyn, N. Y. Liquid-level gauge. 1,516,829; Nov. 25.
 Schifer, Aladar, Handlova, Czechoslovakia. Rock cutting. 1,516,830; Nov. 25.
 Schlager, Matthias, Linz, Austria. Screw driver. 1,516,504; Nov. 25.
 Schling, Max, New York, N. Y. Hand seed sower. 1,516,505; Nov. 25.
 Schluesselburg, George, assignor of one-half to P. T. Harmon, Chicago, Ill. Megaphone and the like. 1,516,754; Nov. 25.
 Schmidt, Max, Hamburg, Germany. Clock for advertising purposes. 1,517,174; Nov. 25.
 Schuff, David. (See Golden, Max K., assignor.)
 Schultz, Edward, Maywood, Ill., assignor to American Can Company, New York, N. Y. Applying celluloid to painted surfaces. 1,516,506; Nov. 25.
 Schwarting, Louise, St. Joseph, Mo. Limb support for operating tables. 1,516,795; Nov. 25.
 Schwelter, Hans, Horgen, Switzerland. Winding machine. 1,516,648; Nov. 25.
 Scott, Everett, Madison, Ark. Self-feeding poultry hopper. 1,516,989; Nov. 25.
 Scott, George W., Cleveland, Ohio. Automobile top. 1,516,690; Nov. 25.
 Scott, Harry B., Barre, Vt. Tool holder and steady rest. 1,517,175; Nov. 25.
 Seaborne, Charles H., Niagara Falls, N. Y., assignor, by mesne assignments, to American Lakes Paper Company, Waukegan, Ill. Paper-making machine. 1,517,018; Nov. 25.
 Seaman, Charles O., Des Moines, Iowa. Combination hammock, carpet, rug, and bedding renovator and purifier. 1,516,755; Nov. 25.
 Sears, Roebuck and Co. (See Grunlee, Sigwald, assignor.)
 Seck, Ferdinand W., Lebanon, Oreg. Differential mechanism. 1,516,831; Nov. 25.
 Segerstrom, Wilhelm. (See Hammarlund, C. A., and Segerstrom.)
 Seidemann, Michaelis, New York, N. Y. Collapsible window chair. 1,516,580; Nov. 25.
 Seidman, Charles, Philadelphia, Pa. Knitted tie. 1,516,931; Nov. 25.
 Sellaz, Leon A., Zurich, Switzerland. Hairdressing cap. 1,516,796; Nov. 25.
 Seldage, Joseph J., Spokane, Wash. Exterminator for rodents, etc. 1,516,868; Nov. 25.
 Seng, Frederick J., De Witt, Ark. Butt cutter. 1,516,507; Nov. 25.
 Serl, Adam A., Sumas, Wash. Draft device. 1,517,019; Nov. 25.
 Seufert, Hermann, Brooklyn, N. Y. Electric contact plug. 1,516,581; Nov. 25.
 Sevison, Luther J. (See MacLellan, Harry G., assignor.)
 Shambow Shuttle Company. (See D'Arcy, John A., assignor.)
 Shanafelt, John A., assignor to The Shanafelt Manufacturing Company, Canton, Ohio. Molder's flask. 1,517,020; Nov. 25.
 Shanafelt Manufacturing Company, The. (See Shanafelt, John A., assignor.)
 Sharkey, Louis, Brooklyn, N. Y. Window shade mounting. 1,517,021; Nov. 25.
 Sharples, Philip T., Merion, Pa. Centrifugal machine. Re15,954; Nov. 25.
 Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Hollow grinding razor blades. 1,516,832; Nov. 25.
 Shepherd, Harry M., Seneca Falls, N. Y. Device for truing valves. 1,517,176; Nov. 25.
 Sherman, James J. (See Best, John, assignor.)
 Shibe, Thomas S., Philadelphia, Pa. Baseball. 1,517,022; Nov. 25.

Shibe, Thomas S., Philadelphia, Pa. Preparing baseball centers. 1,517,023; Nov. 25.
 Shipp, Clarence C., Indianapolis, Ind. Wall-box extension sleeve. 1,516,833; Nov. 25.
 Shippee, Henry C., et al. (See Robertson, William, assignor.)
 Shoemaker, Robert J. (See Croft, W. H., and Shoemaker.)
 Shook, Florain J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Suspension carrier. 1,516,622; Nov. 25.
 Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. 1,516,649; Nov. 25.
 Shur-On Optical Company. (See McDonell, William E., assignor.)
 Sibley, Samuel J., and L. G. Buckner, Memphis, Tenn. Valve. 1,517,024; Nov. 25.
 Sieder, Gottwalt, assignor to Vogtlandische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Germany. Weft-thread exchange device for looms. 1,516,869; Nov. 25.
 Signal Gesellschaft mit beschränkter Haftung. (See Hecht, H., Lichte, and Nielsen, assignors.)
 Silverman, Benjamin. (See Earp, Jhue R., assignor.)
 Silverman, Benjamin, assignor of one-half to J. R. Earp, Chattanooga, Tenn. Comb. 1,516,990; Nov. 25.
 Silverman, Benjamin, assignor of one-half to J. R. Earp, Chattanooga, Tenn. Comb. 1,516,991; Nov. 25.
 Silverman, Benjamin, assignor of one-half to J. R. Earp, Chattanooga, Tenn. Comb. 1,516,992; Nov. 25.
 Simmons, Frank L., assignor to The Taft-Polce Manufacturing Company, Woonsocket, R. I. Magnetic chuck. 1,517,025; Nov. 25.
 Simmons, Robert P. (See Cibs, A. F., and Simmons.)
 Singer Manufacturing Company, The. (See Reidinger, Maxwell L., assignor.)
 Sitterle, Clemens. (See Callaghan, Rex E., assignor.)
 Slawinski, Mike, Camden, N. J. Household indicator. 1,517,026; Nov. 25.
 Slocum, Arthur G., Ensign, Kans. Oil burner. 1,516,797; Nov. 25.
 Smiley, Samuel, Jr., assignor to The Globe-Wernecke Company, Cincinnati, Ohio. Loose-sheet bluder. 1,517,222; Nov. 25.
 Smith, A. O., Corporation. (See Stressau, Richard, assignor.)
 Smith, Benjamin, assignor to B. Smith and B. Lichter, partners, doing business as Old South Cone Company, Chelsea, Mass. Ice-cream cone. Des. 66,096; Nov. 25.
 Smith, Benjamin, et al. (See Smith, Benjamin, assignor.)
 Smith, Clarence W., assignor of sixty-five per cent to C. P. McKenzie, Mexia, Tex. Coupling and anti-friction guide for sucker rods. 1,517,027; Nov. 25.
 Smith, Cora M., Buffalo, N. Y. Cushioned horseshoe. 1,516,508; Nov. 25.
 Smith, Elias A. C., assignor to Guggenheim Brothers, New York, N. Y. Manufacture of sodium nitrate. 1,516,550; Nov. 25.
 Smith, Erasmus E., Bryan, Ohio. Flytrap. 1,517,028; Nov. 25.
 Smith, Joseph H. (See Adams, Benjamin H., assignor.)
 Smith, Robert G., Irvington, N. J. Truing tool. 1,516,509; Nov. 25.
 Smith, Sidney R., London, assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Vibratory relay. 1,516,650; Nov. 25.
 Smith, Willard A., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Automatic tip-perforating machine. 1,516,870; Nov. 25.
 Smithfield, Emil A. (See Noelting, W. H., and Smithfield.)
 Snyder, Simon, Muncy, Pa. Extensible crank element. 1,516,993; Nov. 25.
 Societe des Etablissements Gaumont. (See Frély, Pierre V., assignor.)
 Society of the Divine Word. (See Sandforth, Bernard, assignor.)
 South Bend Bait Co. (See Winchell, Benjamin H., assignor.)
 Souther, E. E., Iron Company. (See Atkinson, Charles E., assignor.)
 Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
 Spalding, Susan M., Atlanta, Ga. Cake box. 1,516,582; Nov. 25.
 Spangler, John H., Minneapolis, Minn. Transmission device for motor vehicles. 1,516,823; Nov. 25.
 Spear, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc. Apparatus for cutting roofing sheets. Re15,955; Nov. 25.
 Spencer, Percival H. (See Tuska, C. D., and Spencer.)
 Spiegel May Stern Company. (See Anderson, R. C., and Gollnick, assignors.)
 Splittorf Electrical Company. (See Borger, Henry E., assignor.)
 Splittorf Electrical Company. (See Nowosielski, Edward B., assignor.)
 Staab, Ludwig, Hofen, near Isny, Germany. Notebook with exchangeable leaves. 1,516,932; Nov. 25.
 Standard Oil Company. (See Peterson, Harold, assignor.)

Starek, William A. (See French, H. L., and Starek.)
 Steam Pressing Iron Company. (See Hoffman, Louis, assignor.)
 Stern, Charles, Jersey City, N. J., and R. W. Braden, New York, N. Y., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J. Locomotive attachment. 1,516,834; Nov. 25.
 Stern, L. & H., Inc. (See Zelchner, Benjamin, assignor.)
 Stevenson, Joseph H., Bloomington, Ill. Interment. 1,516,551; Nov. 25.
 Stevenson, William E., Pittsburgh, Pa. Motor. 1,516,894; Nov. 25.
 Stewart, Alexander, Johnstone, Scotland, assignor to T. Stewart, Toronto, Ontario, Canada. Clutch. 1,516,510; Nov. 25.
 Stewart, Thomas. (See Stewart, Alexander, assignor.)
 Stewart-Warner Speedometer Corporation. (See Chase, Wilfred O., assignor.)
 Stimpson, Edwin B., Company. (See Lupien, Louis A., assignor.)
 Stoll, Arthur, and E. Suter, assignors to the Society Chemical Works formerly Sandoz, Basel, Switzerland. Heart-affecting pure glucoside from bulbous Scilla and producing the same. 1,516,552; Nov. 25.
 Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Key and forming the same. 1,517,177; Nov. 25.
 Stoner, Paul, assignor to Landis Tool Company, Yonkers, Pa. Speed-changing device for grinding wheels. 1,516,895; Nov. 25.
 Stout, Alonzo D., assignor to L. H. Stout, San Diego, Calif. Fuel filter, strainer, and separator for internal-combustion engines. 1,516,871; Nov. 25.
 Stout, Leon H. (See Stout, Alonzo D., assignor.)
 Stressau, Richard, Wauwatosa, Wis. Connecting metal parts by electric welding. 1,517,238; Nov. 25.
 Strief, Raymond F. and W. H., Cincinnati, Ohio. Window seat. 1,517,029; Nov. 25.
 Strief, Willis H. (See Strief, Raymond F. and W. H.)
 Striker, Walter D., Downers Grove, Ill. Game apparatus. 1,516,798; Nov. 25.
 Struczewski, Adolph J., Philadelphia, Pa. Oil burner. 1,516,511; Nov. 25.
 Struve, Edward W. (See Jones, H. A., and Struve.)
 Stull, Robert R., assignor to The American Rubber & Tire Company, Akron, Ohio. Bathing slipper. Des. 66,098; Nov. 25.
 Strutzke, Richard W. G., assignor to Douglas Company, Cedar Rapids, Iowa. Manufacture of products from starch. 1,516,512; Nov. 25.
 Suderoy, Abraham, New York, N. Y. Finger ring. Des. 66,097; Nov. 25.
 Suesnehan Silk Mills. (See Bunting, James H., assignor.)
 Suter, Emil. (See Stoll, A., and Suter.)
 Sutton-Abramsen Engineering Company. (See Wise, George A., assignor.)
 Suydam, Richard L. (See Bowman, Mark K., assignor.)
 Swartzbaugh Manufacturing Company, The. (See Ziola, Henry A., assignor.)
 Swift & Company. (See Morrison, George, assignor.)
 T & L Co., The. (See Tueckmantel, Hugo, assignor.)
 Taffe, John C., Louisville, Ky. Railway switch. 1,516,513; Nov. 25.
 Taft-Pelce Manufacturing Company, The. (See Simmons, Frank L., assignor.)
 Tagliabue, C. J., Mfg. Co. (See Ullmann, Edgar A., assignor.)
 Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
 Takoff, Morris G., East Cleveland, Ohio. Folding toy house. 1,517,030; Nov. 25.
 Tate, Sidney. (See Franz, E. W., and Tate.)
 Terranova, Giuseppe E., New Haven, Conn. Guard for handpieces of dental engines. 1,516,933; Nov. 25.
 Tharaldsen, Filip, Christiania, Norway. Production of zinc in electric furnaces. 1,516,651; Nov. 25.
 Theobald, John L., Stenton, Pa. Demountable-wheel-locking device. 1,516,799; Nov. 25.
 Thies, Bernhard K., Coesfeld, Westphalia, Germany. Apparatus for winding yarn warps upon dyeing beams. 1,516,553; Nov. 25.
 Thompson, David P., Chicago, Ill., assignor to Inland Steel Company, Indiana Harbor, Ind. Apparatus for heating rolls of rolling mills. 1,516,624; Nov. 25.
 Thompson, William H., Carthage, N. Y. Device for catching flies and other insects. 1,517,131; Nov. 25.
 Thomson, Earl L., Dunkirk, Ohio. Distant steering control. 1,516,994; Nov. 25.
 Thorn, Lawrence T., Harrisburg, Ark. Vehicle license tag and holder therefor. 1,517,178; Nov. 25.
 Thornhill, Edwin B., Hurley, N. Mex. Apparatus for treatment of ores. 1,516,934; Nov. 25.
 Thurgood, Ebenezer P., Holly, Mich. Combined hot-air deflector and foot rest. 1,517,179; Nov. 25.
 Tieck, Edythe, Los Angeles, Calif. Combined can opener and spout. 1,517,132; Nov. 25.
 Timlin, George A., New York, N. Y. Helmet emergency light. 1,517,180; Nov. 25.
 Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountaineville, N. Y. Expansion shield. 1,516,652; Nov. 25.

Totman, Jeremy R., Colusa, Calif. Machine for sounding danger signals. 1,516,025; Nov. 25.
 Treponing, Edgar, Attleboro, Mass. Thermostatic circuit-controlling device. 1,516,653; Nov. 25.
 Treiber, Theodore R., assignor to W. H. McWhorter, Chicago, Ill. Game table. 1,516,654; Nov. 25.
 Triguero, Antonio F., Orcutt, Calif. Sash lock. 1,516,995; Nov. 25.
 Tueckmantel, Hugo, assignor to The T & L Co. Inc., Newark, N. J. Latch fastener for bags. 1,516,514; Nov. 25.
 Tulare, Harry T., Rochester, Minn. Phonograph. 1,517,181; Nov. 25.
 Turner, Edwin B., Bird City, Kans. Sampling device. 1,516,896; Nov. 25.
 Tuska, C. D., Company, The. (See Tuska, C. D., and Spencer, assignors.)
 Tuska, Clarence D., and P. H. Spencer, Hartford, Conn., assignors to The C. D. Tuska Company. Pantograph engraving tool. 1,516,897; Nov. 25.
 XXth Century Heating and Ventilating Company, The. (See Kereb, John, assignor.)
 Tyler, William C., Racine, Wis. Automobile headlight attachment. 1,516,583; Nov. 25.
 Typograph Gesellschaft m. b. H. (See Dorneth, Julius, assignor.)
 Ullmann, Edgar A., San Francisco, Calif., assignor to C. J. Tagliabue Mfg. Co., Brooklyn, N. Y. Controlling or recording system. 1,517,031; Nov. 25.
 Underwood Typewriter Company. (See Helmond, William F., assignor.)
 Union Bag & Paper Corporation. (See Avery, True M., assignor.)
 Union Special Machine Company. (See Onderdonk, Lansing, assignor.)
 United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
 United Shoe Machinery Corporation. (See Fausse, J., and McVicar, assignors.)
 United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
 United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
 United Shoe Machinery Corporation. (See Jacques, George W., assignor.)
 United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
 United Shoe Machinery Corporation. (See Smith, Willard A., assignor.)
 United Shoe Machinery Corporation. (See Yeaton, Harry L., assignor.)
 U. S. Industrial Alcohol Co. (See Backhaus, Arthur A., assignor.)
 Vacuum Groove Piston Ring Corporation. (See Pillar, Oscar, assignor.)
 Valois, Felix E., assignor to Hamel Shoe Machinery Company, Bridgeport, Conn. Gemming machine. 1,516,584; Nov. 25.
 Van Arnam, George H., Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company. Toilet-seat attachment. 1,517,223; Nov. 25.
 Van Arnam Manufacturing Company. See Van Arnam, George H., assignor.)
 Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Signal fixture. 1,517,133; Nov. 25.
 Vance, Arthur J. (See Collier, W. H., and Vance.)
 Van der Sluis, Auke, The Hague, Netherlands. Transmission mechanism. 1,517,032; Nov. 25.
 Varley Duplex Magnet Company. (See Varley, Richard, assignor.)
 Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Ignition generator. 1,517,033; Nov. 25.
 Vaughn, James G. (See Gillespie, R. H., and Vaughn.)
 Veley, Carl J., and W. S. Forbes, Kalamazoo, Mich. Washing machine. 1,516,800; Nov. 25.
 Veritys Limited. (See Rogers, Daniel E., assignor.)
 Vesely, Joseph, Union City, Pa. Spinning machine. 1,517,034; Nov. 25.
 Vester, Alfred, Sons, Inc. (See Gerth, Ruth L., assignor.)
 Vilberg, Ernest R., and E. Elggren, Montreal, Quebec, Canada. Truck construction. 1,517,182; Nov. 25.
 Viking Products Corporation. (See Van Bloem, Paul S., assignor.)
 Vinzens, Herbert F., Chicago, Ill. Valve-grinding apparatus. 1,516,996; Nov. 25.
 Vogtlandische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft. (See Sieber, Gottwalt, assignor.)
 Voight, George F., Oakland, Calif. Furring nail. 1,517,035; Nov. 25.
 Von Frommer, Rudolf, Budapest, Hungary. Automatic firearm. 1,516,835; Nov. 25.
 V. Kandó, Kálmán, Budapest, Hungary. Phase converter. 1,517,117; Nov. 25.
 Vroman, Erwin C., Watertown, N. Y., assignor to The New York Air Brake Company. Device for operating train-control mechanisms. 1,516,898; Nov. 25.
 Wachtel, Joseph, New York, N. Y. Making draw curtains. 1,516,935; Nov. 25.

Wade, Percy, Washington, D. C. Welding torch. 1,516,655; Nov. 25.
 Wade, Walter G., Roanoke, Va. Front-spring mounting. 1,517,184; Nov. 25.
 Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase bow. Des. 66,099; Nov. 25.
 Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase crown. Des. 66,100; Nov. 25.
 Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Co., Dayton, Ky. Watchcase bow. Des. 66,101; Nov. 25.
 Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Co., Dayton, Ky. Watchcase crown. Des. 66,102; Nov. 25.
 Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
 Wadsworth Watch Case Company, The. (See Wadsworth, A. W., and Conant, assignors.)
 Wagner, Arvy W., Grafton, W. Va. Washboard-holding means. 1,517,135; Nov. 25.
 Wagner, Eric, Milwaukee, Wis. Bank-protecting device. 1,517,136; Nov. 25.
 Wagner, Rudolf E., assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden. Roller for pressing apparatus for wood pulp and cellulose. 1,517,036; Nov. 25.
 Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,516,656; Nov. 25.
 Waldo, Algernon H., St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 66,103; Nov. 25.
 Waldron, Benjamin F., Duncan, Okla. Oil burner. 1,517,183; Nov. 25.
 Walsh, James J., Brooklyn, N. Y. Hose coupling. 1,517,224; Nov. 25.
 Wanmaker, Harry F. (See Gallagher, A. M., and Wanmaker.)
 Wansor, Claudius. (See Murray, George, assignor.)
 Warren Webster & Company. (See Flitts, James L., assignor.)
 Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
 Watkins, George A., Los Angeles, Calif. Testing apparatus. 1,517,037; Nov. 25.
 Watson, Berte, Port Elizabeth, South Africa. Device for removing wax from artificial-denture casts. 1,517,038; Nov. 25.
 Watt, James A. D., London, England. Safety razor. 1,516,626; Nov. 25.
 Watts, John R., Sheffield, England. Sharpener. 1,516,997; Nov. 25.
 Webb, Jean F., Jr., New York, N. Y., assignor to The International Signal Co. Train-stopping mechanism. 1,516,899; Nov. 25.
 Weber, Harry M., Bloomfield, assignor to Ellis-Foster Company, Montclair, N. J. Producing aromatic substances from petroleum. 1,516,756; Nov. 25.
 Weber, Harry M., Caldwell, N. J., assignor to Ellis-Foster Company. Fuel mixture containing oxidized petroleum products. 1,516,757; Nov. 25.
 Weeks, Charles F., Alameda, Calif. Type-bar-casting machine. 1,516,758; Nov. 25.
 Weeks, John W., Secretary of War of the United States of America, trustee. (See Hays, Claud R., assignor.)
 Weissenborn, Oscar A., et al. (See Kolling, C. H., and Prietz, assignors.)
 Wellman, David E. and H. J., Modesto, Calif. Liquid-outlet pipe. 1,516,802; Nov. 25.
 Wellman, Hubert J. (See Wellman, David E. and H. J.)
 Wehrle Company, The. (See Pickup, George E., assignor.)
 Weiner, George S. (See Weiner, Morris and G. S.)
 Weiner, Morris and G. S., Bicknell, assignors of one-third to P. W. Gladden, Worthington, Ind. Adjustable trousers. 1,516,801; Nov. 25.
 Weinrib, Samuel, New York, N. Y. Individual-toothbrush sterilizer. 1,516,936; Nov. 25.
 Weir, G. & J., Limited. (See Lang, Charles R., assignor.)
 Western Automatic Company. (See Parker, Charles A., assignor.)
 Western Union Telegraph Company, The. (See Foley, Thomas F., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Foreman, Robert A., assignor.)
 Weyland, Hermann. (See Hahl, H., and Weyland.)
 Wheeler Condenser and Engineering Company. (See Wilson, W. R., and Brocklebank, assignors.)
 Wheeler, John L., assignor to The Measuregraph Company, St. Louis, Mo. Reset-mechanism control for presser rollers. 1,516,555; Nov. 25.
 Wheeler, John L., Pittsburgh, Calif. Sanitary toilet-seat attachment. 1,516,803; Nov. 25.
 Whipple, Timothy W., Bonifay, Fla. Glareshield. 1,517,137; Nov. 25.

White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,516,872; Nov. 25.
 White, Joseph J. (See Beck, Milton, assignor.)
 Whiting & Davis Company. (See Rowan, Harry B., assignor.)
 Whiting, Herbert S., Haworth, N. J. Lighting fixture. Des. 66,104; Nov. 25.
 Whitley, Alfred A., Prestwich Park South, near Manchester, England. Clip for stentering machines. 1,517,225; Nov. 25.
 Whitmill, James E., and I. Brumage, Desdemona, Tex.; said Brumage assignor to said Whitmill. Jarring appliance for ballers. 1,517,226; Nov. 25.
 Widin, Edgar, Westfield, N. J. Lock device. 1,516,937; Nov. 25.
 Wike, Fred, Mercer, Pa. Flexible elastic link for anti-skid chains. 1,517,138; Nov. 25.
 Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Hopper mechanism. 1,517,139; Nov. 25.
 Wilke, Erwin L., Hammond, and J. O. Johnstone, East Chicago, assignors to Metals Refining Company, Hammond, Ind. Method and apparatus for gauging castings. 1,516,804; Nov. 25.
 Wilkinson, James, Lynn, Mass., assignor to General Electric Company. Manufacturing turbine blades. 1,516,556; Nov. 25.
 Williams Bros. Aircraft Corporation. (See Williams, Lloyd M., P. J., and C. L., assignors.)
 Williams, Chester L. (See Williams, Lloyd M., P. J., and C. L.)
 Williams, Emma F., administratrix. (See Williams, Lloyd M., P. J., and C. L.)
 Williams, Harlow F. (See Edwards, L. D., and Williams.)
 Williams, Lloyd M., P. J., and C. L. Williams, deceased; E. F. Williams, administratrix, assignors to Williams Bros. Aircraft Corporation, San Francisco, Calif. Accelerator. 1,516,873; Nov. 25.
 Williams, Percy J. (See Williams, Lloyd M., P. J., and C. L.)
 Williamson, James E., assignor of one-half to H. F. Luebbe, Pittsburgh, Pa. Electric well heater. 1,516,836; Nov. 25.
 Williamson, Jasper C., Range, Ala. Plowbeam attachment. 1,516,874; Nov. 25.
 Wills, Childe H., Marysville, Mich., assignor of one-half to C. A. B. Halvorsen, Jr., Lynn, Mass. Vehicle light control. 1,516,938; Nov. 25.
 Willys-Morrow Company, The. (See Lutz, Hans, assignor.)
 Willys-Overland Company, The. (See Belden, Edward H., assignor.)
 Wilson, Edward, assignor to Wilson Engineering Company, St. Louis, Mo. Compressor. 1,516,584; Nov. 25.
 Wilson Engineering Company. (See Wilson, Edward, assignor.)
 Wilson, Frederick D., and L. S. Burns, Ottumwa, Iowa, assignors, by mesne assignments, to Austin Manufacturing Company, Chicago, Ill. Road-grading device. 1,516,805; Nov. 25.
 Wilson, Robert A. (See Perkins, J. L., Oakley, Wilson, and Croft.)
 Wilson, William R., Amityville, and A. P. Brocklebank, Brooklyn, assignors to Wheeler Condenser and Engineering Company, New York, N. Y. Jet condenser. 1,516,939; Nov. 25.
 Winchell, Benjamin H., Chicago, Ill., assignor to South Bend Bolt Co., South Bend, Ind. Fishing bait. 1,516,940; Nov. 25.
 Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
 Winn, Henry C., Haverhill, Mass. Coasting sled. 1,516,941; Nov. 25.
 Winter, Robert, Jr. (See Hoover, A. W., and Winter.)
 Wireless Specialty Apparatus Company. (See Wright, Carleton F., assignor.)
 Wise, Ernest E., Omaha, Nebr. Measuring and dispensing instrument. 1,516,942; Nov. 25.
 Wise, George A., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa. Leveling apparatus for metallic sheets and the like. 1,516,627; Nov. 25.
 Wishart, William, and A. H. Morrell, assignors, by mesne assignments, to Climax Engineering Company, Clinton, Iowa. Crank-shaft mechanism. 1,517,039; Nov. 25.
 Wittstein, Francis H., Newark, N. J. Finger ring. Des. 66,105; Nov. 25.
 Wood, Percival J., Paterson, N. J. Printing paneled effects on fabric strips. 1,516,557; Nov. 25.
 Woolums, Spors, Detroit, Mich. Soldering material. 1,516,759; Nov. 25.
 Worth, Barzillai G. (See Kilde, W., and Worth.)
 Wotocek, John, assignor to E. L. Mansure Company, Chicago, Ill. Scallop bullion fringe. Des. 66,106; Nov. 25.
 Wright, C. F., Steel & Wire Company. (See Wright, G. F., and Knapp, assignors.)
 Wright, Carleton F., Plymouth, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Thermionic-tube adapter. 1,516,837; Nov. 25.

Wright, Charles W., Holmesburg, Philadelphia, Pa. Shovel construction. 1,517,040; Nov. 25.
 Wright, George F., and A. S. Knapp, assignors to C. F. Wright Steel & Wire Company, Worcester, Mass. Machine for twisting stranded forms. 1,516,900; Nov. 25.
 Wright, Lloyd, Hollywood, Calif. Electric-heater front. Des. 66,078; Nov. 25.
 Yeaton, Harry L., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,516,558; Nov. 25.
 Yoder, Harvey E., Oyster Point, Va. Antibutting halter. 1,517,140; Nov. 25.

Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Lining can ends and gasket-lined end. 1,516,559; Nov. 25.
 Zelchner, Benjamin, assignor to L. & H. Stern, Inc., Brooklyn, N. Y. Smoking pipe. 1,517,041; Nov. 25.
 Zimmer, Charles, assignor of one-half to L. C. Dundon, Edinboro, Pa. Insulator tie. 1,516,560; Nov. 25.
 Ziola, Henry A., Cleveland, assignor, by mesne assignments, to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 1,516,657; Nov. 25.
 Zwiebelson, Abraham, New York, N. Y. Brassière. 1,516,658; Nov. 25.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF NOVEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator. L. M., P. J., and C. L. Williams. 1,516,873; Nov. 25.
 Adding machine. R. C. Patton. 1,517,125; Nov. 25.
 Addressing-machine attachment. R. C. Anderson and P. A. Gollnick. 1,516,659; Nov. 25.
 Adjustable chair. C. G. Edwards. 1,516,811; Nov. 25.
 Advertising and demonstrating novelty. H. Park. 1,517,123; Nov. 25.
 Advertising device. G. Hornecker. 1,517,067; Nov. 25.
 Adz hammer. A. C. Benson. 1,517,043; Nov. 25.
 Aeroplane-propeller mounting. R. C. Brubaker. 1,516,708; Nov. 25.
 Air brush. W. C. Beach. 1,516,600; Nov. 25.
 Air deflector and foot rest. Combined hot. E. P. Thurgood. 1,517,179; Nov. 25.
 Aircraft novelty. S. Gordon. 1,516,919; Nov. 25.
 Aircraft-rudder indicator. P. Jaray. 1,516,733; Nov. 25.
 Air moistener. C. P. Kaveney. 1,516,857; Nov. 25.
 Airships, Gas valve for. P. Jaray. 1,516,732; Nov. 25.
 Ambulance vehicles, Stretcher support for. A. H. Huddart. 1,517,069; Nov. 25.
 Amplifier, Vacuum-tube. D. Grimes. 1,517,057; Nov. 25.
 Amusement device. F. Goldback. 1,516,918; Nov. 25.
 Animal trap. G. W. Gomer. 1,517,210; Nov. 25.
 Annealing and apparatus therefor. T. G. Rennerfelt. 1,516,045; Nov. 25.
 Antiskid chains, Flexible elastic link for. F. Wike. 1,517,138; Nov. 25.
 Antiskidding device. W. W. McNaughton. 1,516,823; Nov. 25.
 Anvil. S. S. Deemer. 1,517,198; Nov. 25.
 Apron, Barber's. C. M. Dorsey. 1,516,590; Nov. 25.
 Auto radiator water gauge. H. G. MacLellan. 1,516,614; Nov. 25.
 Automobile direction indicator. R. E. Lunday. 1,516,538; Nov. 25.
 Automobile direction signal. C. C. Brinck. 1,517,045; Nov. 25.
 Automobile light, Combination. T. Lonet. Des. 66,086-7; Nov. 25.
 Automobile locking devices, Controlling switch for. H. E. I. Braithwaite. 1,517,188; Nov. 25.
 Automobile top. G. W. Scott. 1,516,090; Nov. 25.
 Automobiles, Brake and hauling device for. J. Kreitzer. 1,517,077; Nov. 25.
 Automobiles, Mechanical theft alarm for. C. H. Kolling and R. Prietz. 1,516,536; Nov. 25.
 Badge or similar article. L. B. Lovering. Des. 66,038; Nov. 25.
 Bag: See—
 Hand bag.
 Bag frames, Making. F. A. Fuller. 1,517,053; Nov. 25.
 Bags, Latch fastener for. H. Tueckmantel. 1,516,514; Nov. 25.
 Ballers, Jarring appliance for. J. E. Whitmill and I. Brumage. 1,517,226; Nov. 25.
 Balance mechanism. A. B. Jones. 1,517,008; Nov. 25.
 Bank-protecting device. E. Wagner. 1,517,136; Nov. 25.
 Bar: See—
 Matrix bar.
 Spacing bar.
 Barrel machines, Compressor-jaw mounting for. E. F. Beugler. 1,516,662; Nov. 25.
 Barrette. W. S. Bechtold. 1,516,661; Nov. 25.
 Baseball. T. S. Shibe. 1,517,022; Nov. 25.
 Baseball centers, Preparing. T. S. Shibe. 1,517,023; Nov. 25.
 Baseball die. L. W. Greene. 1,517,113; Nov. 25.
 Basket-ball goal. C. Lantrip. 1,516,859; Nov. 25.
 Bathing slipper. J. T. Johnson. Des. 66,083; Nov. 25.
 Bathing slipper. R. R. Stull. Des. 66,098; Nov. 25.
 Battery: See—
 Electric battery.
 Batteries from vehicles, Device for removing storage. E. S. Dewey. 1,516,589; Nov. 25.
 Bearing. B. M. W. Hanson. 1,517,060; Nov. 25.
 Bearing. P. A. Myers. 1,516,572; Nov. 25.
 Bearing and manufacturing the same. W. H. Croft and R. J. Shoemaker. 1,516,914; Nov. 25.
 Bearing, Cage roller. T. E. Barker and A. E. Ellefsen. 1,516,943; Nov. 25.
 Bearing swivel wrench plate, Roller. W. H. Ellinger. 1,516,812; Nov. 25.
 Bearings, Making. W. A. King. 1,516,740; Nov. 25.
 Belt-shifting mechanism. R. W. Kremer and R. R. Cummins. 1,517,078; Nov. 25.
 Belt-supporting idler. R. E. Briggs. 1,516,666; Nov. 25.
 Bicycle shock absorber. O. G. Bloom. 1,517,146; Nov. 25.
 Binder, Loose-sheet. S. Smiley, jr. 1,517,222; Nov. 25.
 Blast-furnace tuyere. G. Beaton. 1,517,185; Nov. 25.
 Block: See—
 Building block.
 Terminal block.
 Blowtorch. W. M. Houghton. 1,516,855; Nov. 25.
 Boiler-tube-cleaning apparatus. M. K. Bowman. 1,516,880; Nov. 25.
 Bolts, Tool for seating and unseating stud. G. C. Hill. 1,516,602; Nov. 25.
 Bookbinding machine. M. Beck. 1,516,697; Nov. 25.
 Boots and shoes, Machine for use in the lasting of. C. F. Pym. 1,516,499; Nov. 25.
 Boring device, Crank-casing. D. R. Harrington. 1,516,853; Nov. 25.
 Boring machine. A. F. Froussard. 1,516,815; Nov. 25.
 Borings and the like particularly for use in furnaces, Preparing metal. T. Gilmore, jr. 1,517,055; Nov. 25.
 Bottle. L. Cohn. Des. 66,070-1; Nov. 25.
 Bottle. A. J. Sanford. Des. 66,095; Nov. 25.
 Bottle carrier. G. H. Davie. 1,516,956; Nov. 25.
 Box: See—
 Cake box.
 Miter box.
 Display box.
 Switch box.
 Box. L. Cohn. Des. 66,072; Nov. 25.
 Bracelet, Extendible. L. S. Chilson. 1,517,104; Nov. 25.
 Braiding machine, Circular. G. Horn. 1,516,668; Nov. 25.
 Brake: See—
 Sled brake.
 Brake-testing machine. P. J. Donovan. 1,517,106; Nov. 25.
 Brassière. A. Zwiebelson. 1,516,658; Nov. 25.
 Broiler. A. M. Kershaw. 1,517,161; Nov. 25.
 Brush, Wire. S. M. Blanch. 1,516,587; Nov. 25.
 Bucket support, Folding. W. W. Kirkpatrick. 1,517,074; Nov. 25.
 Buckle. W. H. Lester. 1,517,060; Nov. 25.
 Buckle. A. Oppenheim. 1,516,980; Nov. 25.
 Buckle, Belt. G. E. Prentice. 1,517,014; Nov. 25.
 Building block, Hollow-tile. D. R. Bone. 1,516,491; Nov. 25.
 Bumper attachment. H. L. French and W. A. Starck. 1,516,961; Nov. 25.
 Bumper-clamping device. H. S. Jandus. 1,516,731; Nov. 25.
 Buoy for indicating the position of sunken vessels. J. J. Higgins. 1,517,158; Nov. 25.
 Burner: See—
 Fluid-fuel burner.
 Oil burner.
 Butt cutter. F. J. Seng. 1,516,507; Nov. 25.
 Button. F. G. Purinton. 1,516,867; Nov. 25.
 Button. F. R. White. 1,516,872; Nov. 25.
 Button, Expandable cuff. F. Gwilliam. 1,516,852; Nov. 25.
 By-pass preventer and automatic shut-off. M. Nauda and H. S. Ross. 1,516,889; Nov. 25.
 Cake box. S. M. Spalding. 1,516,582; Nov. 25.
 Calcium carbide, Treating. G. J. Ferguson. 1,516,813; Nov. 25.
 Calendar, Desk. W. E. Nicklin. 1,516,780; Nov. 25.
 Calendar, Desk. J. L. Pilkington. 1,516,498; Nov. 25.
 Caliche and for the recovery of nitrate therefrom, Method and process for the leaching of. C. L. Burdick. 1,517,046; Nov. 25.
 Calliper, Micrometer. J. Bath. 1,516,909; Nov. 25.
 Callipers, Sliding. J. d'A. d'Erville. 1,516,631; Nov. 25.
 Calorimeter. C. V. Boys. 1,516,703; Nov. 25.
 Can: See—
 Liquid-holding can.
 Can opener and spout, Combined. E. Tieck. 1,517,132; Nov. 25.
 Candle. H. Peterson. Des. 66,091; Nov. 25.
 Candle snuffer. O. Handler. 1,517,115; Nov. 25.
 Cap, Hairdressing. L. A. Sellaz. 1,516,796; Nov. 25.
 Carbureting apparatus. W. J. Hawkins. 1,516,818; Nov. 25.
 Car doors, Lock for hopper. C. D. Hobb. 1,517,005; Nov. 25.
 Car seal. C. S. Rallsback. 1,516,787; Nov. 25.
 Car seat, Revolving sleeping. J. L. O'Conner. 1,516,866; Nov. 25.
 Car-wheel mounting. W. E. Floyd. 1,516,634; Nov. 25.

Cars, Brace for holding boxes and crates in railway. C. Bacon. 1,517,100; Nov. 25.
 Carrier: See—
 Bottle carrier. Suspension carrier.
 Case: See—
 Key case.
 Caster. W. H. McAllister. 1,517,083; Nov. 25.
 Caster and making same. W. H. McAllister. 1,517,082; Nov. 25.
 Caster slide. W. H. Noelting and E. A. Smithfield. 1,516,573; Nov. 25.
 Casting die, Pressure. G. W. Bungay. 1,516,607; Nov. 25.
 Casting machine, Type-bar. C. F. Weeks. 1,516,758; Nov. 25.
 Castings, Method and apparatus for gauging. E. L. Wilke and J. O. Johnstone. 1,516,804; Nov. 25.
 Celluloid to painted surfaces, Applying. E. Schultz. 1,516,506; Nov. 25.
 Centrifugal machine. P. T. Sharples. Re15,934; Nov. 25.
 Chair: See—
 Adjustable chair. Window chair.
 Chair. F. M. Naysmith. 1,516,778; Nov. 25.
 Check holder and cutter. C. T. Raschick. 1,516,826; Nov. 25.
 Chimney and ventilator top. G. O. Sapp. 1,516,794; Nov. 25.
 Chimney cleaner. A. H. Bergerson. 1,516,949; Nov. 25.
 Churns, Revolution indicator for. L. F. Heitz. 1,517,064; Nov. 25.
 Clear lighter, Electric. E. S. Preston. 1,517,098; Nov. 25.
 Clear machines, Machine for preparing filler for. R. E. Randall. 1,516,828; Nov. 25.
 Cigarette holder and extinguisher. A. D. Allman. 1,517,142; Nov. 25.
 Cinemas, theaters, and the like, Tip-up seat in. G. H. Hedges. 1,516,771; Nov. 25.
 Circuit, Inverse duplex vacuum-tube. D. Grimes. 1,517,058; Nov. 25.
 Circuit maker and breaker. L. S. Baluta and O. W. Althoff. 1,516,908; Nov. 25.
 Clamp: See—
 Form clamp. Tail clamp.
 Hose clamp. Tire clamp.
 Rope clamp.
 Clamp. F. L. Nantz. 1,517,092; Nov. 25.
 Cleaner: See—
 Chimney cleaner. Windshield cleaner.
 Vacuum cleaner.
 Clock for advertising purposes. M. Schmidt. 1,517,174; Nov. 25.
 Clothes wringer. O. L. and N. A. Laffertior. 1,516,742; Nov. 25.
 Clothes wringers, Wringer rolls for. G. H. Jantz. 1,516,836; Nov. 25.
 Clutch. E. H. Beiden. 1,516,699; Nov. 25.
 Clutch. J. W. Johnson. 1,516,734; Nov. 25.
 Clutch. A. Stewart. 1,516,510; Nov. 25.
 Clutch mechanism. H. J. Criner. 1,516,494; Nov. 25.
 Comb. J. R. Earp. 1,516,959; Nov. 25.
 Comb. B. Silverman. 1,516,990-2; Nov. 25.
 Compressor. R. Bernat. 1,516,516; Nov. 25.
 Compressor. E. Wilson. 1,516,584; Nov. 25.
 Concentrator. C. M. Meyer. 1,516,640; Nov. 25.
 Concrete-block-making machine. W. Robertson. 1,517,128; Nov. 25.
 Concrete-block-molding machine. L. Caputo. 1,516,710; Nov. 25.
 Concrete-burial-vault mold. C. M. Johnson. 1,516,535; Nov. 25.
 Concrete form. R. E. Callaghan. 1,516,760; Nov. 25.
 Concrete mixtures and for washing sand and the solid ingredients thereof, Machine for mixing. J. S. Lancaster. 1,516,773; Nov. 25.
 Condenser jet. W. R. Wilson and A. P. Brocklebank. 1,516,939; Nov. 25.
 Controlling device. W. F. Clark. 1,516,493; Nov. 25.
 Controlling or recording system. E. A. Ulmann. 1,517,031; Nov. 25.
 Corncocks and product thereof, Treating. T. K. Berntson. 1,516,701; Nov. 25.
 Corncrib and granary, Double. S. Graver. 1,516,597; Nov. 25.
 Corn popper. F. H. Oberschmidt. 1,516,782; Nov. 25.
 Corrugated receptacle and making the same. C. E. Atkinson. 1,516,694; Nov. 25.
 Cotter-pin spreader. J. Aneke. 1,516,877; Nov. 25.
 Coupling: See—
 Impulse coupling. Train-pipe coupling.
 Covering materials, Making. F. W. Moore. 1,516,571; Nov. 25.
 Crane, Jib. C. M. Mardel. 1,516,976; Nov. 25.
 Crank element, Extensible. S. Snyder. 1,516,993; Nov. 25.
 Crank-shaft mechanism. W. Wisbart and A. H. Morrell. 1,517,039; Nov. 25.
 Crate. B. A. Lange. 1,516,743; Nov. 25.
 Cream-testing tank. B. D. Clement. 1,517,194; Nov. 25.
 Cuff. G. P. Cragin. 1,516,761; Nov. 25.
 Current deflector. L. H. Falley. 1,516,767; Nov. 25.
 Curtain stretcher and drier. R. V. Lyon. 1,516,611; Nov. 25.
 Curtain, Vehicle radiator. W. H. Pratt. 1,516,785; Nov. 25.

Curtains, Making draw. J. Wachtel. 1,516,935; Nov. 25.
 Cutter: See—
 Butt cutter. Vegetable cutter.
 Linoleum cutter.
 Decanter. C. Collins. 1,516,861; Nov. 25.
 Damper, Fireplace. C. W. Rodgers. 1,516,688; Nov. 25.
 Danger signals, Machine for sounding. J. R. Totman. 1,516,625; Nov. 25.
 Dental device. R. H. Gillespie and J. G. Vaughn. 1,517,208; Nov. 25.
 Dental drills, Handpiece for. W. H. Bond. 1,517,186; Nov. 25.
 Dental engines, Guard for handpieces of. G. E. Terranova. 1,516,933; Nov. 25.
 Dental impression trays, Pad for. V. Cuttitta. 1,517,197; Nov. 25.
 Dermatological instrument. P. Cusimano. 1,516,955; Nov. 25.
 Desk. J. L. Axen. 1,516,906; Nov. 25.
 Diaphragm, Laminated. C. J. Coberly. 1,516,630; Nov. 25.
 Die: See—
 Baseball die. Casting die.
 Differential mechanism. F. W. Seck. 1,516,831; Nov. 25.
 Die-thread machine, Cut-back. E. E. Beck. Re15,953; Nov. 25.
 Direction-indicator switch. R. E. Lunday. 1,517,011; Nov. 25.
 Dirigible mooring station. J. Mason. 1,516,541; Nov. 25.
 Disconnecting switch. L. C. Hart. 1,517,061; Nov. 25.
 Dishwashing machine. R. Marx. 1,517,218; Nov. 25.
 Dispenser, Automatic. H. G. Fittl. 1,516,850; Nov. 25.
 Display box. F. F. Knothe. 1,516,821; Nov. 25.
 Display device. G. Hornecker. 1,517,068; Nov. 25.
 Doll. H. Baum. Des. 66,063; Nov. 25.
 Doll. E. J. Lupton. Des. 66,089; Nov. 25.
 Door fastener. F. Andreas. 1,516,692; Nov. 25.
 Door hanger. E. Y. Moore. 1,517,088; Nov. 25.
 Door-operating device, Automatic. A. Guidry. 1,516,723; Nov. 25.
 Door, Revolving. C. A. Elliott. 1,516,719; Nov. 25.
 Doors and windows, Bolt apparatus for. D. W. Blackwell. 1,516,628; Nov. 25.
 Doughnut machine. V. V. Gunsolley. 1,516,962; Nov. 25.
 Draft device. A. A. Serl. 1,517,019; Nov. 25.
 Drawbench attachment. S. Panashe. 1,516,618; Nov. 25.
 Drawers, Safety lock for. S. Fichman. 1,517,109; Nov. 25.
 Drill. A. L. Hawkesworth. 1,516,601; Nov. 25.
 Drill pipe, Reinforcing sleeve for. W. Canfield and P. R. G. Biedermann. 1,516,911; Nov. 25.
 Drilling machine, Automatic. E. J. Kingsbury. 1,516,858; Nov. 25.
 Dry cells, Making. H. de Olaneta. 1,516,632; Nov. 25.
 Dual determinator. F. P. Anderson. 1,517,144; Nov. 25.
 Easel, Display. F. R. Mulnix and F. E. Dillenbeck. 1,516,888; Nov. 25.
 Egg beater. W. G. Ruggles. 1,516,792; Nov. 25.
 Egg-shipping receptacle. I. V. Edgerton. 1,517,051; Nov. 25.
 Egg tester. H. Breece. 1,516,705; Nov. 25.
 Eggs, Process of and apparatus for grading. M. Kasser. 1,516,738; Nov. 25.
 Electric battery. W. R. Loveman. 1,516,974; Nov. 25.
 Electric contact plug. H. Seufert. 1,516,581; Nov. 25.
 Electric furnace. A. Paoloni. 1,517,122; Nov. 25.
 Electric generator. Magneto. E. B. Nowosielski. 1,517,093; Nov. 25.
 Electric heater. H. A. Ziola. 1,516,657; Nov. 25.
 Electric-heater front. L. Wright. Des. 66,078; Nov. 25.
 Electric installation, Push-type push receptacle for. A. C. Recker and H. C. Cady. 1,517,127; Nov. 25.
 Electric-machine support. H. E. Borger. 1,517,101; Nov. 25.
 Electric resistance material and manufacturing the same. P. N. Roseby. 1,516,646; Nov. 25.
 Electric switch. H. A. Douglas. 1,516,765-6; Nov. 25.
 Electrical apparatus, Conduit support for. O. F. Nylan. 1,516,781; Nov. 25.
 Electrical switch box. H. E. Kammerer. 1,516,736; Nov. 25.
 Electromagnetic vibrating members, Damper for contact-breaker devices for. A. H. Maitre and V. H. G. Martin. 1,517,217; Nov. 25.
 Electromotors and the like, Hydraulic starter for. G. L. Ganas. 1,516,526; Nov. 25.
 Elevator control. C. J. Anderson. 1,517,042; Nov. 25.
 Embossing and plaiting textile and other fabrics, Machine for. M. K. Golden. 1,517,112; Nov. 25.
 Emergency light, Helmet. G. A. Timlin. 1,517,180; Nov. 25.
 Emulsified compositions, Making. L. Kirschbraun. 1,517,075; Nov. 25.
 Engine: See—
 Fluid-pressure engine. Oil engine.
 Internal-combustion engine.
 Engine starter. A. W. Ferrin. 1,517,230; Nov. 25.
 Engines, Fuel filter, strainer, and separator for internal-combustion. A. D. Stout. 1,516,871; Nov. 25.
 Engraving tool, Pantograph. C. D. Tuska and P. H. Spencer. 1,516,807; Nov. 25.
 Envelope and display medium, Combined. L. B. Campbell. 1,516,563; Nov. 25.

Envelope, Duplex. E. J. Lewis and J. G. McGreevy. 1,516,925; Nov. 25.
 Envelopes, Method of and machine for making. H. Y. Armstrong. 1,516,905; Nov. 25.
 Equalizer. J. L. Burns. 1,516,953; Nov. 25.
 Exterminator for rodents, etc. J. J. Seldage. 1,516,868; Nov. 25.
 Extruding machine. E. H. Johnson. 1,516,968; Nov. 25.
 Eyeglasses. E. D. Kniffen. 1,517,009; Nov. 25.
 Fan, Oscillating. D. E. Rogers. 1,517,168-9; Nov. 25.
 Fastener-feeding mechanism. G. W. Jacques. 1,516,965; Nov. 25.
 Fastening device. L. A. Lupien. 1,516,610; Nov. 25.
 Fencepost. H. Lühring. 1,517,119; Nov. 25.
 Fertilizer distributor. E. M. Cole. 1,516,954; Nov. 25.
 Fillets, Apparatus for making. F. W. Lohr. 1,517,081; Nov. 25.
 Film and method for the production of colored pictures. J. H. Christensen. 1,517,049; Nov. 25.
 Filter. S. P. Powell. 1,517,165; Nov. 25.
 Filter, Thickening. D. M. Berry. 1,516,702; Nov. 25.
 Finger ring. A. Suderov. Des. 66,097; Nov. 25.
 Finger ring. F. H. Wittstein. Des. 66,105; Nov. 25.
 Firearm, Automatic. R. von Frommer. 1,516,835; Nov. 25.
 Fish lure. F. Brown. 1,516,707; Nov. 25.
 Fishplate and nut lock. L. F. Fuller. 1,517,001; Nov. 25.
 Fishing bait. B. H. Winchell. 1,516,940; Nov. 25.
 Fishing-line shuttle or reel. F. E. Farr. 1,516,522; Nov. 25.
 Flash light. E. H. Findlay. 1,516,768; Nov. 25.
 Flask: See—
 Molder's flask.
 Flasks, Device for handling foundry. G. F. Loughran. 1,516,973; Nov. 25.
 Flies and other insects, Device for catching. W. H. Thompson. 1,517,131; Nov. 25.
 Float for sport, pleasure, and rescue use. C. Hunt. 1,517,007; Nov. 25.
 Flower-wearing device. R. D. Donohue. 1,517,154; Nov. 25.
 Fluid-fuel burner. T. J. Majchrzak. 1,516,569; Nov. 25.
 Fluid-pressure engine. P. H. Benedix. 1,516,948; Nov. 25.
 Flushometer. M. H. Flynn. 1,516,814; Nov. 25.
 Flytrap. E. E. Smith. 1,517,028; Nov. 25.
 Folding horse. H. T. Hatcher. 1,517,156; Nov. 25.
 Folding wrappers around rectangular and other folding bodies, Machine for automatically. F. Grover. 1,517,059; Nov. 25.
 Food container. F. E. McCarron. 1,516,775; Nov. 25.
 Form clamp. W. H. Messacar. 1,516,777; Nov. 25.
 Fruit-jar ring. G. E. Almquist. 1,517,143; Nov. 25.
 Fruit tapping and coring utensil. J. J. Phare. 1,516,683; Nov. 25.
 Fuel, Motor. A. A. Backhaus. 1,516,907; Nov. 25.
 Furnace: See—
 Electric furnace.
 Furnace. L. C. Fountain. 1,517,206; Nov. 25.
 Furnace. W. H. Owen. 1,516,642; Nov. 25.
 Furnace-charging apparatus, Operating mechanism for. B. Ravitch. 1,516,987; Nov. 25.
 Furnace construction. J. Kerch. 1,516,969; Nov. 25.
 Furniture and the like, Joint for. C. D. McArthur. 1,516,975; Nov. 25.
 Fuse plug. A. Brunner. 1,517,229; Nov. 25.
 Game apparatus. E. H. McPherson. 1,516,887; Nov. 25.
 Game apparatus. W. D. Striker. 1,516,798; Nov. 25.
 Game table. T. R. Treiber. 1,516,654; Nov. 25.
 Garbage, Disposal of. E. H. Brune. 1,516,952; Nov. 25.
 Garment. D. C. O'Shea. 1,516,981; Nov. 25.
 Garment hanger. C. L. Miller. 1,517,219; Nov. 25.
 Gas burner. G. F. Reznor. 1,517,107; Nov. 25.
 Gas heater, Open-fire. G. E. Pickup. 1,516,927; Nov. 25.
 Gases, Detection of suspended matter in. W. Kilde and B. G. Worth. 1,516,608; Nov. 25.
 Gauge: See—
 Auto radiator water gauge. Liquid-level gauge.
 Gear generating cutting machine. E. R. Fellows. 1,516,524; Nov. 25.
 Gear mechanism, Change-speed. E. H. Belden. 1,516,698; Nov. 25.
 Gear. Turning. T. W. Curry and J. F. Godfrey. 1,516,998; Nov. 25.
 Gearing, Transmission. M. Delaporte. 1,517,199; Nov. 25.
 Gelatin, Apparatus for drying sheets of edible. W. K. Beveridge. 1,516,663; Nov. 25.
 Gemming machine. F. E. Valois. 1,516,554; Nov. 25.
 Generator: See—
 Electric generator. Ignition generator.
 Glassshield. F. C. McGuire. 1,516,776; Nov. 25.
 Glassshield. T. W. Whipple. 1,517,137; Nov. 25.
 Glass tumbler. D. K. Irwin. Des. 66,082; Nov. 25.
 Glove. P. S. B. Jensen. 1,516,966; Nov. 25.
 Glucoside from bulbous Scilla and producing the same, Heart-affecting pure. A. Stoll and E. Suter. 1,516,552; Nov. 25.
 Glue material and preparing or manufacturing the same, Cement or waterproof. H. L. Haskell. 1,516,567; Nov. 25.
 Golf clubs, Set of. I. R. Prentiss. 1,516,786; Nov. 25.

Grain-saving attachment. L. J. Olson. 1,516,545; Nov. 25.
 Grinding machine. H. Lutz. 1,516,746; Nov. 25.
 Grinding machine, Rotary. H. Cramm. 1,516,918; Nov. 25.
 Grinding wheels, Speed-changing device for. P. Stoner. 1,516,895; Nov. 25.
 Gun, Trap. S. A. Martinek. 1,517,085; Nov. 25.
 Gymnasium apparatus. A. E. Burnett. 1,517,147; Nov. 25.
 Hair-gauge clipper. S. Friedman. 1,516,635; Nov. 25.
 Hair remedy. A. G. Calabro. 1,516,562; Nov. 25.
 Halter, Antibutting. H. E. Yoder. 1,517,140; Nov. 25.
 Hammock, carpet, rug, and bedding renovator and purifier, Combined. C. O. Seaman. 1,516,755; Nov. 25.
 Hand bag. F. P. Kane. 1,517,100; Nov. 25.
 Handsaw, Portable. D. B. Hall. 1,516,529; Nov. 25.
 Hand seed sower. M. Schling. 1,516,505; Nov. 25.
 Hanger: See—
 Door hanger. Trolley-wire hanger.
 Garment hanger.
 Hat pad. S. Kanner and S. Jaffe. 1,517,071; Nov. 25.
 Headlight attachment, Automobile. W. C. Tyler. 1,516,583; Nov. 25.
 Headlight-control device. J. V. Barker. 1,517,145; Nov. 25.
 Headlight, Gravity-operated. B. B. Foulkrod. 1,517,111; Nov. 25.
 Headlight, Movable. C. Hodgkins. 1,517,213; Nov. 25.
 Heater: See—
 Electric heater. Well heater.
 Gas heater.
 Heat-transfer apparatus. C. S. Sage. 1,516,893; Nov. 25.
 Heddle. H. Ruegg, Jr. 1,517,129; Nov. 25.
 Heel. F. Ashworth. 1,516,487; Nov. 25.
 Heel for boots and shoes. C. P. Paulsen. 1,517,126; Nov. 25.
 Hub puller. G. W. Dickinson. 1,516,764; Nov. 25.
 High-speed machinery, Preventing breakage due to resonance in. G. Constantinesco. 1,516,882; Nov. 25.
 Hinge. G. Maille. 1,516,747; Nov. 25.
 Hinge, Door. E. Flagk. 1,517,205; Nov. 25.
 Hog greaser. F. H. Le Valley. 1,516,861; Nov. 25.
 Hoisting apparatus. E. J. Armstrong. 1,516,878; Nov. 25.
 Hook: See—
 Log hook. Swivel hook.
 Hook. B. Amrin. 1,516,806; Nov. 25.
 Hopper mechanism. R. L. Wilcox. 1,517,139; Nov. 25.
 Horseshoe, Cushioned. C. M. Smith. 1,516,508; Nov. 25.
 Hose clamp. M. J. Barto and J. A. Fiste. 1,517,184; Nov. 25.
 Hose clamp. C. W. Cuppett. 1,517,196; Nov. 25.
 Hose coupling. J. J. Walsh. 1,517,224; Nov. 25.
 Hose-making apparatus. J. C. Rankin. 1,516,620; Nov. 25.
 House: See—
 Toy house.
 Household indicator. M. Slawinski. 1,517,026; Nov. 25.
 Ice-cream cone. B. Smith. Des. 66,096; Nov. 25.
 Ignition generator. R. Varley. 1,517,033; Nov. 25.
 Impulse coupling. E. K. Evans. 1,517,203; Nov. 25.
 Index. J. L. Perkins, J. Oakley, R. A. Wilson, and H. D. Croft. 1,516,884; Nov. 25.
 Indicator: See—
 Aircraft-rudder indicator. Household indicator.
 Automobile direction indi- Liquid-level indicator.
 cator. Wheel-alignment indicator.
 Insulating substance. H. S. Ashenurst. Re15,952; Nov. 25.
 Insulator. A. O. Austin. 1,516,585; Nov. 25.
 Insulator tie. C. Zimmer. 1,516,560; Nov. 25.
 Internment, Means for. J. H. Stevenson. 1,516,551; Nov. 25.
 Internal combustion engine. J. Burnand. 1,517,191; Nov. 25.
 Internal-combustion engine. R. Orr. 1,516,546; Nov. 25.
 Internal-combustion engine. C. R. Short. 1,516,649; Nov. 25.
 Ironing board and seat, Cabinet. B. R. Dexter. 1,516,763; Nov. 25.
 Irrigation device. H. Ishimoto. 1,517,159; Nov. 25.
 Jack: See—
 Lifting jack.
 Jig, Babbitting. W. M. Hollowell. 1,517,065; Nov. 25.
 Joint: See—
 Rail joint.
 Keys and the like, Metallic head for wooden. G. E. Mittinger. 1,517,087; Nov. 25.
 Key and forming the same. E. B. Stone. 1,517,177; Nov. 25.
 Key case. G. E. Prentice. 1,517,013; Nov. 25.
 Knitted tie. C. Seldman. 1,516,931; Nov. 25.
 Knitting needle, Spring-beard. J. Lawson and E. A. Quint. 1,517,214; Nov. 25.
 Lacquering or the like, Method and apparatus for treating plates prior to. A. Podel. 1,517,097; Nov. 25.
 Ladder. A. J. Redman. 1,516,988; Nov. 25.
 Laminated articles, Method and machine for making. F. J. MacDonald. 1,516,618; Nov. 25.

Laminated material and preparing same. H. L. Haskell. 1,516,566; Nov. 25.
 Lamp. A. B. Heath. Des. 66,081; Nov. 25.
 Lamp casing. J. A. Amos. Des. 66,060; Nov. 25.
 Lamp support, Signal. G. E. Perry. 1,516,577; Nov. 25.
 Last clasp for lasting machines and making it. C. F. Adams. 1,516,485; Nov. 25.
 Lead, tin, babbitt, and other metals or materials. Device for the handling of molten. G. R. Coleman. 1,516,912; Nov. 25.
 Level, Convertible. J. Geier. 1,516,527; Nov. 25.
 Levers. Separator for lobby. C. J. Lindgren and G. J. Pfeiffer. 1,516,674; Nov. 25.
 License tag and holder therefor. Vehicle. L. T. Thoro. 1,517,178; Nov. 25.
 Lifter. See—
 Valve lifter.
 Lifting jack. G. W. Meyer. 1,516,616; Nov. 25.
 Light. See—
 Emergency light. Pencil-illuminating light. Flash light.
 Light and number plate, Combination porch. W. Douglas. 1,517,107; Nov. 25.
 Lighting fixture. J. K. Riddle. 1,516,501; Nov. 25.
 Lighting fixture. H. S. Whiting. Des. 66,104; Nov. 25.
 Lighting-fixture arm. H. Abrams. Des. 66,054; Nov. 25.
 Lighting-fixture arm. H. Abrams. Des. 66,056; Nov. 25.
 Lighting-fixture column. H. Abrams. Des. 66,057-8; Nov. 25.
 Lighting-fixture leaf. R. L. Gerth. Des. 66,080; Nov. 25.
 Lighting-fixture part. H. Aglow. Des. 66,059; Nov. 25.
 Lighting-fixture part and supporting member for the same, Combined circular. M. Berkowitz. Des. 66,064; Nov. 25.
 Lighting fixtures, Ceiling plate for. H. Abrams. Des. 66,055; Nov. 25.
 Lighting fixtures, Wall bracket for. I. Barnett. Des. 66,061; Nov. 25.
 Lighting fixtures, Wall bracket for. I. Barnett. Des. 66,062; Nov. 25.
 Lighting fixtures, Wall bracket for. D. Kaplan. Des. 66,084; Nov. 25.
 Lighting fixtures, Wall plate for. H. Abrams. Des. 66,053; Nov. 25.
 Lining can ends and gasket-lined ends. J. M. Young. 1,516,559; Nov. 25.
 Linoleum cutter. D. H. Rassner. 1,516,789; Nov. 25.
 Liquid-holding can. S. W. Milligan. 1,517,121; Nov. 25.
 Liquid-level gauge. A. K. Schaap, jr. 1,516,829; Nov. 25.
 Liquid-level indicator. J. H. Evans. 1,516,999-1,517,000; Nov. 25.
 Liquid measure. E. Brookins. 1,516,706; Nov. 25.
 Loader. O. J. Easley. 1,517,201; Nov. 25.
 Loading mechanism. G. F. Dillig. 1,516,633; Nov. 25.
 Lock. See—
 Sash lock. Window-sash lock. Seal lock.
 Lock device. E. Widin. 1,516,937; Nov. 25.
 Locomotive attachment. C. Stern and R. W. Braden. 1,516,934; Nov. 25.
 Locomotive driving gear. M. L. Davis, jr. 1,516,957; Nov. 25.
 Locomotive, Steam-turbine-driven. H. Boltshauser. 1,516,517; Nov. 25.
 Log hook. C. E. Rupert. 1,517,130; Nov. 25.
 Looms, Filling-detecting device for. P. Keegan. 1,517,072; Nov. 25.
 Looms, Take-up mechanism for narrow-ware. E. R. Holmes. 1,516,730; Nov. 25.
 Looms, Warp-tensioning device for. T. S. Reed. 1,516,892; Nov. 25.
 Looms, Weft detector for. W. H. Wakefield. 1,516,056; Nov. 25.
 Looms, Weft-thread exchange device for. G. Sieber. 1,516,869; Nov. 25.
 Luggage rack. M. F. Nudelman. 1,517,094; Nov. 25.
 Machine tool. H. A. Brenaman. 1,516,951; Nov. 25.
 Machine tool. H. Meier. 1,516,543; Nov. 25.
 Magnetic chuck. F. L. Simmons. 1,517,025; Nov. 25.
 Mail receptacle. C. A. Rastetter. 1,516,986; Nov. 25.
 Marking machine. P. R. Glass. 1,516,528; Nov. 25.
 Massaging instrument. G. B. Coleman. 1,516,717; Nov. 25.
 Matchbox. S. B. Johnson. 1,516,819; Nov. 25.
 Match machines, Composition-applying mechanism for. W. J. Elder. 1,517,052; Nov. 25.
 Matrix bar. J. Dorneth. 1,516,833; Nov. 25.
 Measuring and dispensing instrument. E. E. Wise. 1,516,942; Nov. 25.
 Measuring instrument. W. J. Geist. 1,516,769; Nov. 25.
 Meat-curing method and apparatus. D. B. Hill. 1,516,728; Nov. 25.
 Megaphone and the like. G. Schlusessburg. 1,516,754; Nov. 25.
 Mesh bag. H. B. Rowan. Des. 66,094; Nov. 25.
 Metallic sheets and the like, Leveling apparatus for. G. A. Wise. 1,516,627; Nov. 25.
 Metallic tie. J. A. Peabody. 1,516,682; Nov. 25.
 Milk-can opening and sealing device, Combined. T. F. Moore. 1,517,089; Nov. 25.
 Milk-dispensing apparatus. G. Poulos. 1,516,825; Nov. 25.
 Mining apparatus. E. O'Toole. 1,517,095; Nov. 25.
 Mirror, Hand. L. Marder. Des. 66,060; Nov. 25.
 Miter box. W. H. Drake. 1,517,108; Nov. 25.
 Mold. See—
 Concrete-burial-vault mold.
 Molder's flask. J. A. Shanafelt. 1,517,020; Nov. 25.
 Molding. Z. W. Day. 1,516,521; Nov. 25.
 Money-scheduling machine. E. L. Reller. 1,516,929; Nov. 25.
 Mop wringer. T. L. Bonsall. 1,517,187; Nov. 25.
 Motor. W. E. Stevenson. 1,516,894; Nov. 25.
 Motor control, Electric. H. C. Hastings and C. T. Hanna. 1,517,233; Nov. 25.
 Motor cycles, Side-car attachment to. J. Ellis and E. F. Edwards. 1,516,592; Nov. 25.
 Mowing machines or the like, Cutter bar and guard for. E. P. Carper. 1,516,669; Nov. 25.
 Music, Device for turning over the leaves of. E. Perkins. 1,516,983; Nov. 25.
 Nail, Furring. G. F. Voight. 1,517,035; Nov. 25.
 Needle-straightening machine. M. L. Reidinger. 1,516,684; Nov. 25.
 Notebook with exchangeable leaves. L. Staab. 1,516,932; Nov. 25.
 Nut and making same. E. J. Cole. 1,516,716; Nov. 25.
 Nut wrench. O. J. Johnson. 1,516,735; Nov. 25.
 Nuts and case members, Assembling. H. L. Decker. 1,516,762; Nov. 25.
 Nuts, Making. I. C. Emery. 1,516,721; Nov. 25.
 Oil burner. B. H. Adams. 1,516,691; Nov. 25.
 Oil burner. O. Andersen. 1,516,903; Nov. 25.
 Oil burner. H. R. Jesko. 1,516,638; Nov. 25.
 Oil burner. A. G. Slocum. 1,516,797; Nov. 25.
 Oil burner. A. J. Struczewski. 1,516,511; Nov. 25.
 Oil burner. B. F. Waldron. 1,517,183; Nov. 25.
 Oil-circulating system. C. P. Brockway. 1,517,227; Nov. 25.
 Oil compound and making the same, Cutting. F. K. Bezenberger. 1,516,879; Nov. 25.
 Oil engine. W. T. Price. 1,517,015; Nov. 25.
 Oiling device for pile wires. W. W. Robertson. 1,516,686; Nov. 25.
 Operating tables, Limb support for. L. Schwarting. 1,516,795; Nov. 25.
 Ophthalmic mounting. W. E. McDonell. 1,517,216; Nov. 25.
 Ores, Apparatus for treatment of. E. B. Thornhill. 1,516,934; Nov. 25.
 Ores or the like, Smelting. L. H. Diehl. 1,517,232; Nov. 25.
 Outlet pipe, Liquid. D. E. and H. J. Wellman. 1,516,802; Nov. 25.
 Oxides of nitrogen and caustic alkali, Making. D. B. Bradner. 1,516,588; Nov. 25.
 Packing ring. G. F. Moors. 1,517,090; Nov. 25.
 Pad. See—
 Hat pad.
 Fall, Scrubbing. M. F. Lear. 1,517,164; Nov. 25.
 Paper carriages, Shock absorber for. F. C. Rinsche. 1,516,685; Nov. 25.
 Paper-interfolding machine. J. A. Nichol. 1,516,779; Nov. 25.
 Paper-making machine. C. R. Seaborne. 1,517,018; Nov. 25.
 Paying and like purposes, Manufacture of blocks or the like for. C. D. Pochin. 1,516,890; Nov. 25.
 Pedal rest. Foot. W. J. Loury. 1,516,862; Nov. 25.
 Pen for recording instruments, Fountain. F. J. Bast. 1,516,586; Nov. 25.
 Pen, Illuminated fountain. J. J. Devine. 1,517,153; Nov. 25.
 Pencil, Fountain. E. C. Berners. 1,516,950; Nov. 25.
 Pencil-illuminating light. J. V. Saunders. 1,516,647; Nov. 25.
 Perforating machines, Automatic tip. W. A. Smith. 1,516,870; Nov. 25.
 Petroleum, Producing aromatic substances from. H. M. Weber. 1,516,756; Nov. 25.
 Petroleum products, Fuel mixture containing oxidized. H. M. Weber. 1,516,757; Nov. 25.
 Petroleum products, Treating. C. Ellis. 1,516,720; Nov. 25.
 Phase converter. K. v. Kand6. 1,517,117; Nov. 25.
 Phonograph. A. W. Hoover and R. Winter, jr. 1,516,603; Nov. 25.
 Phonograph. H. T. Tulare. 1,517,181; Nov. 25.
 Phonographs, Electrical reproducer for. P. V. Frely. 1,516,595; Nov. 25.
 Photo-electric cell. T. W. Case. 1,517,103; Nov. 25.
 Photographic negatives, Dye transfer printing from. F. W. Donisthorpe. 1,517,200; Nov. 25.
 Photography, Color. L. D. Mannes and L. Godowsky, jr. 1,516,824; Nov. 25.
 Piano case. C. F. Brey. Des. 66,066; Nov. 25.
 Picture apparatus and camera, Motion. F. H. Owens. 1,516,496; Nov. 25.
 Picture-projecting machines, Safety mechanism for moving. J. H. Davitt and H. C. Cornetta. 1,516,958; Nov. 25.
 Pictures, advertisements, and the like, Apparatus for exhibiting. G. E. Hartley. 1,516,921; Nov. 25.

Pin or similar article. W. L. Laumann. Des. 66,085; Nov. 25.
 Pipe. See—
 Outlet pipe. Smoking pipe.
 Pipe lines, Antifriction support for. S. N. Arnold and F. E. Johnson, jr. 1,516,838; Nov. 25.
 Pistol, Automatic. P. R. Kramer. 1,516,972; Nov. 25.
 Pistol, Automatic. W. Mann. 1,516,540; Nov. 25.
 Piston ring. E. J. Jenkins. 1,517,070; Nov. 25.
 Plastic compounds of different colors, Machine for making articles of. A. C. Butfield. 1,516,841-3; Nov. 25.
 Plier wrench. P. F. King. 1,517,162; Nov. 25.
 Pliers. E. H. Broden. 1,517,228; Nov. 25.
 Plow. J. E. and A. J. Hilea. 1,516,729; Nov. 25.
 Plow. J. Mattice. 1,517,086; Nov. 25.
 Plowbeam attachment. J. C. Williamson. 1,516,874; Nov. 25.
 Pocket. J. I. McDonald. 1,517,120; Nov. 25.
 Point detector. C. S. Bushnell. 1,517,236; Nov. 25.
 Polishing machine. M. J. Moore and M. T. Meagher. 1,516,749; Nov. 25.
 Polygonal caps, Machine for making. H. Osswald. 1,516,575; Nov. 25.
 Porch-rail safety device. O. S. Christell. 1,516,711; Nov. 25.
 Pork bellies, Removing skins from. G. Morrison. 1,516,678; Nov. 25.
 Porting machine. O. Pillar. 1,516,751; Nov. 25.
 Post. See—
 Shore post.
 Poultry feeder. F. B. Rellly. 1,516,752; Nov. 25.
 Poultry hopper, Self-feeding. E. Scott. 1,516,989; Nov. 25.
 Poultry perch. A. Jobe. 1,516,639; Nov. 25.
 Powder box with reinforced bead, Talcum. N. Loesch. 1,516,537; Nov. 25.
 Press. G. W. Pelton. 1,516,982; Nov. 25.
 Pressing implement. L. Hoffman. 1,516,923; Nov. 25.
 Pressure-chamber and plunger construction. W. J. Hawkins. 1,516,727; Nov. 25.
 Printing articles, Device for. A. M. Gallagher and H. F. Wanamaker. 1,517,207; Nov. 25.
 Printing paneled effects on fabric strips. P. J. Wood. 1,516,557; Nov. 25.
 Printing-press attachment. H. R. Knittle. 1,517,076; Nov. 25.
 Printing presses, Adjustable sheet guide for. A. Ackley. 1,516,901; Nov. 25.
 Printing presses, Drying attachment for. B. Sandforth. 1,516,579; Nov. 25.
 Puller. See—
 Hub puller. Wheel puller.
 Pulp washing, Method of and apparatus for. H. R. Eyrich. 1,516,593; Nov. 25.
 Pump. Air. W. J. Hawkins. 1,516,816; Nov. 25.
 Pump head, Antireversing. F. H. Palmer. 1,516,681; Nov. 25.
 Pump, Rotary. H. D. Edwards. 1,516,591; Nov. 25.
 Pump, Rotary. W. J. Hawkins. 1,516,817; Nov. 25.
 Pumping apparatus. T. O'Boyle. 1,516,783; Nov. 25.
 Pumps, Operating mechanism for hand. J. Richards, jr. 1,516,500; Nov. 25.
 Pullog. T. H. Kingston. 1,516,971; Nov. 25.
 Rack. See—
 Luggage rack.
 Radiator, Sectional motor. S. Atkinson. 1,516,695; Nov. 25.
 Radiator with removable elements. H. B. Guyot. 1,517,153; Nov. 25.
 Radio attachment for phonographs. E. E. Linehan. 1,516,745; Nov. 25.
 Radio receiving apparatus, Cabinet for. E. S. Pridham and P. L. Jensen. Des. 66,093; Nov. 25.
 Rail joint. C. Pascal. 1,517,124; Nov. 25.
 Rail stop. H. A. Jones and E. W. Struve. 1,516,495; Nov. 25.
 Railway switch. J. C. Taffe. 1,516,513; Nov. 25.
 Railway tie. J. C. Davis. 1,517,151-2; Nov. 25.
 Railway tie. M. Sawicki. 1,517,173; Nov. 25.
 Ramp shoe. C. A. Parker. 1,517,096; Nov. 25.
 Rat and mouse trap. A. Cervence. 1,517,192; Nov. 25.
 Razor blades, Hollow grinding. T. C. Sheehan. 1,516,832; Nov. 25.
 Razor, Safety. J. A. D. Watt. 1,516,626; Nov. 25.
 Recording machine. R. L. Muller. 1,516,679; Nov. 25.
 Refrigerating apparatus. W. H. Lindquist. 1,516,744; Nov. 25.
 Refrigeration. C. A. Ketterer. 1,516,739; Nov. 25.
 Refrigerator, Window. W. G. Canfield. 1,517,148; Nov. 25.
 Register. L. G. Read. 1,516,827; Nov. 25.
 Retort-arch construction. L. H. Hosbain. 1,516,604; Nov. 25.
 Reversing mechanism. H. L. Brownback. 1,517,189; Nov. 25.
 Rim. L. B. Paul. 1,516,643; Nov. 25.
 Rim, Demountable. C. R. Hays. 1,516,964; Nov. 25.
 Ring. See—
 Fruit-jar ring. Piston ring. Packing ring.
 Road-grading device. F. D. Wilson and L. S. Burns. 1,516,805; Nov. 25.
 Rock cutting. A. Schäfer. 1,516,830; Nov. 25.
 Rollers, Reset-mechanism control for presser. J. L. Wheeler. 1,516,555; Nov. 25.
 Rolling mills, Apparatus for heating rolls of. D. P. Thompson. 1,516,624; Nov. 25.
 Rolls, Heating apparatus for. R. L. McIntosh. 1,516,612; Nov. 25.
 Roofing sheets, Apparatus for cutting. A. S. Speer. Re15,955; Nov. 25.
 Rope and strap fastener. E. D. Barton. 1,516,489; Nov. 25.
 Rope clamp. J. D. Jaynes. 1,516,924; Nov. 25.
 Rope-gripping device. A. J. M. Barthélemy dit P. Caus. 1,516,564; Nov. 25.
 Rubber and other heavy plastic material, Machine for treating. F. H. Banbury. 1,516,488; Nov. 25.
 Rubber compositions, Vulcanizing. E. Blaker. 1,516,629; Nov. 25.
 Rubber materials and the product, Reclaiming. G. J. Mead and C. A. Rosebach. 1,517,221; Nov. 25.
 Rubber, Printing sheet. R. T. Griffiths. 1,516,598; Nov. 25.
 Rug. A. H. Waldo. Des. 66,103; Nov. 25.
 Rule holder, Extensible. L. D. Edwards and H. F. Williams. 1,516,848; Nov. 25.
 Safe. J. W. Halteman and W. Ryter. 1,516,531; Nov. 25.
 Safe-door-locking mechanism. J. W. Halteman and W. Ryter. 1,516,530; Nov. 25.
 Safes and the like, Door mounting for. R. J. Moulton. 1,516,977; Nov. 25.
 Sampling device. E. B. Turner. 1,516,896; Nov. 25.
 Sash lock. A. F. Trigueiro. 1,516,995; Nov. 25.
 Scaffold, Window. F. Samuel. 1,516,795; Nov. 25.
 Scales, Thermostatically-adjusted sight line for chart. H. S. Knight. 1,516,741; Nov. 25.
 Scallop bullion fringe. J. Wotoczek. Des. 66,106; Nov. 25.
 Scraper mechanism. J. H. Pifer. 1,516,619; Nov. 25.
 Screw driver. M. Schlager. 1,516,504; Nov. 25.
 Seal. C. Knott, jr. 1,516,609; Nov. 25.
 Seal lock. C. S. Rallsback. 1,516,788; Nov. 25.
 Seat. See—
 Window seat.
 Seaweed, Treating. P. T. Freundler. 1,516,917; Nov. 25.
 Selector and connection. F. A. Lundquist. 1,516,539; Nov. 25.
 Separable fastener. W. J. Kammerer. 1,516,737; Nov. 25.
 Separator. See—
 Spiral separator.
 Sewing machines, Feeding mechanism for. L. Onderdonk. 1,516,574; Nov. 25.
 Shade mounting, Window. L. Sharkey. 1,517,021; Nov. 25.
 Sharpener. J. R. Watts. 1,516,997; Nov. 25.
 Shield, Expansion. C. C. Tomkinson. 1,516,652; Nov. 25.
 Ship construction. C. G. Muskat. 1,516,750; Nov. 25.
 Shock-absorbing spring for vehicles. D. H. Grey. 1,517,114; Nov. 25.
 Shock-loading machine. B. A. Johnson. 1,516,967; Nov. 25.
 Shoe. F. A. Butler. 1,516,840; Nov. 25.
 Shoe. F. G. Delbon. 1,516,845; Nov. 25.
 Shoe fastener, Metal. O. H. Lawrence. 1,517,118; Nov. 25.
 Shoe shiner. J. E. Adams. 1,517,141; Nov. 25.
 Shoes, Foot-supporting pad for. L. Rosenthal. 1,517,170; Nov. 25.
 Shoes, Machine for operating on the shanks of. J. E. Rousseau. 1,516,930; Nov. 25.
 Shoes, Pneumatic insole for. M. Rosenwasser. 1,517,171; Nov. 25.
 Shore, Adjustable. C. A. Roos. 1,516,621; Nov. 25.
 Shore post, Adjustable. E. W. Franz and S. Tate. 1,516,672; Nov. 25.
 Shoulder guard. G. L. Pierce. 1,516,644; Nov. 25.
 Shovel construction. C. W. Wright. 1,517,040; Nov. 25.
 Shuttle tip. J. A. D'Arcy. 1,516,671; Nov. 25.
 Signal. See—
 Automobile direction signal. Traffic signal.
 Signal apparatus, Pneumatic. J. G. Harrold. 1,516,963; Nov. 25.
 Signal fixture. P. S. Van Bloem. 1,517,133; Nov. 25.
 Signaling system. J. R. Carson. 1,516,518; Nov. 25.
 Singletrees, Clevis for. J. Anderson. 1,516,876; Nov. 25.
 Skin filler. W. A. Johnson and A. W. Roberts. 1,516,820; Nov. 25.
 Sled brake. T. Dougherty. 1,516,916; Nov. 25.
 Sled, Coasting. H. C. Winn. 1,516,941; Nov. 25.
 Smoke-screen-producing means. J. H. Hammond, jr. 1,516,726; Nov. 25.
 Smoking pipe. B. Zeichner. 1,517,041; Nov. 25.
 Snowplow. C. F. Bryan. 1,517,190; Nov. 25.
 Snowplow. H. Rellen. 1,517,016; Nov. 25.
 Socket-head, Plurally-fused. L. Cross. 1,516,520; Nov. 25.
 Sod-cutting machine. J. Best. 1,516,561; Nov. 25.
 Sodium nitrate, Manufacture of. E. A. C. Smith. 1,516,550; Nov. 25.
 Sodium-silver compound of thiodiglycolic acid, Pharmaceutical compound containing the. H. Hahl and H. Weyland. 1,517,002; Nov. 25.

Sodium-vanadium salt of triglycolamic acid, Pharmaceutical compounding consisting of the. H. Hahl and W. Kropp. 1,517,003; Nov. 25.
Soldering coppers, Electric furnace for heating. W. H. Kiger. 1,516,970; Nov. 25.
Soldering material. S. Woolums. 1,516,759; Nov. 25.
Sound amplifier. A. O. Price. Des. 66,092; Nov. 25.
Spacing bar. H. E. Bricker. 1,517,102; Nov. 25.
Spark plug. W. A. Gruber. 1,517,211; Nov. 25.
Speed and distance indicator and recorder. H. L. Duncan. 1,516,807; Nov. 25.
Speed and distance indicator and recorder, etc. H. L. Duncan. 1,516,808; Nov. 25.
Speed-indicator record device. H. L. Duncan. 1,516,809-10; Nov. 25.
Spinning machine. J. Vesely. 1,517,034; Nov. 25.
Spiral separator, Adjustable. J. H. Becker. 1,516,910; Nov. 25.
Spiral separator, Adjustable. F. Pardee. 1,516,926; Nov. 25.
Spring construction. E. H. Belden. 1,516,700; Nov. 25.
Spring mounting, Front. W. G. Wade. 1,517,184; Nov. 25.
Spring switch. M. C. Garlick. 1,517,054; Nov. 25.
Spring winding machine. G. M. Hanly. 1,517,004; Nov. 25.
Spray-forming machine. O. W. McKnight. 1,517,084; Nov. 25.
Stacking mechanism. S. Grunlee. 1,516,770; Nov. 25.
Stamping means. C. E. Mallory. 1,516,676; Nov. 25.
Stand and pad. I. J. Faggen. 1,516,960; Nov. 25.
Starch, Manufacture of products from. R. W. G. Stutzke. 1,516,512; Nov. 25.
Steamships, Feed-water system in. C. R. Lang. 1,517,163; Nov. 25.
Steel, Muffle furnace for heat treatment of. A. E. Rudd. 1,517,172; Nov. 25.
Steering control, Distant. E. L. Thomson; 1,516,994; Nov. 25.
Sterilizing machines, Clip for. A. A. Whitley. 1,517,225; Nov. 25.
Stokers, Turbine construction for. R. A. Foresman. 1,516,525; Nov. 25.
Stone-dressing machine. J. W. Kent. 1,517,073; Nov. 25.
Stone or other material, Apparatus for coating or impregnating road. J. S. Lancaster. 1,516,774; Nov. 25.
Stove, Heating. M. W. McCullough. 1,517,215; Nov. 25.
Strainer, Rotary. H. C. Anthony. 1,516,693; Nov. 25.
Striking machine. C. L. Barnhart. 1,516,944; Nov. 25.
Stylus holder. D. di Natale. 1,516,847; Nov. 25.
Sucker rods, Coupling and antifriction guide for. C. W. Smith. 1,517,027; Nov. 25.
Sucker rods, Swivel joint for. J. D. Pridgen. 1,516,891; Nov. 25.
Sulphur from gases containing sulphureted hydrogen, Extracting. M. C. J. E. de Loisy. 1,516,915; Nov. 25.
Sunshade. G. N. Hein. 1,516,854; Nov. 25.
Suspension carrier. F. J. Shook. 1,516,622; Nov. 25.
Swaging tool. G. H. Langton. 1,517,079; Nov. 25.
Switch: See—
Direction-indicator switch. Railway switch.
Disconnecting switch. Spring switch.
Electric switch. Time switch.
Switch-point lead. T. Lundberg. 1,516,863; Nov. 25.
Swivel hook. C. L. and A. A. Allen. 1,516,875; Nov. 25.
Table: See—
Game table.
Table and china closet, Combination. C. T. Boyer. 1,517,044; Nov. 25.
Table-spread holder. R. A. Blunck. 1,516,665; Nov. 25.
Tabulating machine. E. M. La Boiteaux. 1,516,772; Nov. 25.
Tail clamp. W. T. Glud. 1,517,209; Nov. 25.
Tank: See—
Cream-testing tank. Vacuum tank.
Tank. G. T. Horton. 1,517,006; Nov. 25.
Tanning. W. H. Ockleston and T. B. Carmichael. 1,516,641; Nov. 25.
Tasting-shuttle winding device. C. D. Fischer and W. Rutkowski. 1,516,849; Nov. 25.
Tea-balling machine. J. Pierce. 1,516,497; Nov. 25.
Telegraph-transmitting apparatus. T. F. Foley. 1,517,110; Nov. 25.
Telephone memorandum attachment. L. Hunt. 1,516,606; Nov. 25.
Telephone receiver. E. P. Oswald. 1,516,680; Nov. 25.
Template for trimming the neck. N. C. Powers. 1,517,166; Nov. 25.
Tension device. L. T. Houghton. 1,516,835; Nov. 25.
Tenter frames, Drying apparatus for. C. J. Merrill. 1,517,012; Nov. 25.
Terminal block. R. T. Roth. 1,517,017; Nov. 25.
Testing apparatus. G. A. Watkins. 1,517,037; Nov. 25.
Textile fabric. J. H. Bunting. Des. 66,067-9; Nov. 25.
Textile fabric. H. B. Feldman. Des. 66,079; Nov. 25.
Thermionic-tube adapter. C. F. Wright. 1,516,837; Nov. 25.
Thermometers, Case for sterilizing or carrying clinical. J. Rook. 1,516,639; Nov. 25.
Thermostatic circuit-controlling device. E. Tregoning. 1,516,653; Nov. 25.
Thread-conditioning apparatus. W. Gledhill. 1,517,056; Nov. 25.
Thread-cutting device. W. K. Poulson. 1,517,220; Nov. 25.

Threads, Method of and apparatus for making composite. D. O. Pease. 1,516,576; Nov. 25.
Throttle lever. E. P. Hoover. 1,516,637; Nov. 25.
Ticking, Mattress. R. Binkovitz. Des. 66,065; Nov. 25.
Tie: See—
Insulator tie. Metallic tie.
Knitted tie.
Tile, Roofing. R. L. Bacot. 1,516,690; Nov. 25.
Time switch. F. T. Richards. 1,516,753; Nov. 25.
Time system. G. A. Goodson. 1,516,636; Nov. 25.
Timer, Conical roller. H. W. Muhlisen. 1,516,617; Nov. 25.
Tire clamp. C. H. Robinson. 1,516,687; Nov. 25.
Tire, Compression resilient. A. F. Masury and A. H. Leipert. 1,517,239; Nov. 25.
Tire tightener. C. A. E. Hammarlund and W. Segerstrom. 1,516,725; Nov. 25.
Toaster, Electric. A. F. Ciba and R. P. Simmons. 1,517,149; Nov. 25.
Toaster, Electric. O. A. Colby. Des. 66,073; Nov. 25.
Tobacco and similar substances, Automatic feeding device for. E. R. Dahlstrom. 1,517,150; Nov. 25.
Toilet-seat attachment. G. H. Van Arnam. 1,517,223; Nov. 25.
Toilet-seat attachment, Sanitary. J. L. Wheeler. 1,516,803; Nov. 25.
Tongs, Glass-handling. D. E. Cross. 1,516,844; Nov. 25.
Tool holder and steady rest. H. B. Scott. 1,517,175; Nov. 25.
Toothbrush sterilizer, Individual. S. Weinrib. 1,516,936; Nov. 25.
Toy. J. J. Dilks. 1,517,050; Nov. 25.
Toy, Figure. J. E. Engel. 1,517,202; Nov. 25.
Toy, Novelty. C. I. Dalley. 1,516,718; Nov. 25.
Toy house, Folding. M. G. Talcott. 1,517,030; Nov. 25.
Tractor controlling attachment. A. D. Cole. 1,516,715; Nov. 25.
Tractors, Rein-controlled steering and gear-shifting attachment for. A. D. Cole. 1,516,713-14; Nov. 25.
Tractors, Steering-post extension for. H. J. Hank. 1,517,116; Nov. 25.
Traffic signal. L. S. Massimo. 1,516,542; Nov. 25.
Traffic signal. V. R. Mellenbruch. 1,516,570; Nov. 25.
Train-control mechanisms, Device for operating. E. C. Vroman. 1,516,898; Nov. 25.
Train-control system, Automatic. W. K. Howe. 1,517,231; Nov. 25.
Train-pipe coupling. W. R. Gregg. 1,516,851; Nov. 25.
Train stop, Automatic. J. M. Coffelder and E. H. Cloyd. 1,517,195; Nov. 25.
Train-stopping mechanism. J. F. Webb. 1,516,899; Nov. 25.
Transformer, Electrical. G. Crisson. 1,516,519; Nov. 25.
Transmission mechanism. A. van der Sluis. 1,517,032; Nov. 25.
Trap: See—
Animal trap. Rat and mouse trap.
Trimming machine. J. Fausse and E. W. McVicar. 1,516,523; Nov. 25.
Trolley-wire hanger. E. Heydon. 1,517,157; Nov. 25.
Trolley-wire supports, Manufacturing. S. S. Matthes. 1,516,864; Nov. 25.
Trousers, Adjustable. M. and G. S. Weiner. 1,516,801; Nov. 25.
Truck, Car. E. W. and M. Dehler. 1,517,105; Nov. 25.
Truck construction. E. R. Viberg and E. Elgren. 1,517,182; Nov. 25.
Trucks, Frame for side of car. C. S. Proudfoot and D. L. Eynon. 1,516,928; Nov. 25.
Truing tool. R. G. Smith. 1,516,509; Nov. 25.
Tube-expanding tool. C. F. Braun. 1,516,704; Nov. 25.
Tuning device. L. J. Beindorf. 1,516,947; Nov. 25.
Turbine blades, Manufacturing. J. Wilkinson. 1,516,556; Nov. 25.
Turbine bucket and manufacturing same, Hollow. J. Johanson. 1,516,607; Nov. 25.
Turbine, Elastic-fluid. O. Jungren. 1,517,234; Nov. 25.
Turbine, Water. D. J. McCormack. 1,516,822; Nov. 25.
Turnips, beets, potatoes, and like tuberos vegetables, bacon, and similar substances into slices, chips, or cubes, Machine for cutting. P. Haase. 1,516,724; Nov. 25.
Turntable. C. J. Hug. 1,516,605; Nov. 25.
Twisting stranded forms, Machine for. G. F. Wright and A. S. Knapp. 1,516,900; Nov. 25.
Type, Electric conductor of the laminated. F. Kade. 1,517,237; Nov. 25.
Typewriter. D. C. Harris. 1,516,920; Nov. 25.
Typewriting machine. W. F. Helmond. 1,516,922; Nov. 25.
Typewriting machine. E. B. Hess. 1,516,532; Nov. 25.
Upper-pulling mechanism. E. A. Holmgren. 1,516,533; Nov. 25.
Uppers over lasts, Machine for working. H. L. Yeaton. 1,516,558; Nov. 25.
Vacuum cleaner, Automobile. E. L. Ray. 1,516,548; Nov. 25.
Vacuum-jacketed vessel. R. Burger. 1,517,047; Nov. 25.
Vacuum tank. W. O. Chase. 1,517,048; Nov. 25.
Valve. S. J. Sibley and L. G. Buckner. 1,517,024; Nov. 25.

Valve. W. C. Dever. 1,516,846; Nov. 25.
Valve-grinding apparatus. H. F. Vinzeng. 1,516,996; Nov. 25.
Valve lifter. W. W. Cochran. 1,516,712; Nov. 25.
Valve, Oil-burner. E. A. Basel. 1,516,945-6; Nov. 25.
Valve, Oil-well-working. R. A. Hughes. 1,516,534; Nov. 25.
Valve operating mechanism. O. G. Nilson and R. W. Glasner. 1,516,979; Nov. 25.
Valve stem, Detachable. J. A. Carr. 1,516,670; Nov. 25.
Valve, Thermostatically-controlled. J. L. Fltta. 1,517,204; Nov. 25.
Valves and their springs, Apparatus for facilitating assembling of. C. A. Larsen. 1,516,860; Nov. 25.
Valves, bibs, and faucets, Adjustable range for. A. I. Fischer. 1,516,594; Nov. 25.
Valves, Device for truing. H. M. Shepherd. 1,517,176; Nov. 25.
Vegetable cutter. W. E. Bernhardt. 1,516,490; Nov. 25.
Vehicle light control. C. H. Willis. 1,516,938; Nov. 25.
Vehicle, Liquid-fuel-delivery-tank. E. Le G. Beers. 1,516,839; Nov. 25.
Vehicle mud guard. V. J. Oger. 1,516,784; Nov. 25.
Vehicle, Road. M. H. Churchill-Shann. 1,517,193; Nov. 25.
Vehicle sanding device. M. Noah. 1,516,544; Nov. 25.
Vehicle, Shoulder-operated. C. B. Johnson. 1,516,856; Nov. 25.
Vehicles, Automatic circuit-controlling device for power-operated. J. M. Melle. 1,516,615; Nov. 25.
Vehicles, Heel and toe control of. H. Rowntree. 1,516,502; Nov. 25.
Vehicles, Power transmission for motor. E. H. Platt. 1,516,578; Nov. 25.
Vehicles, Registration of motor. W. D. Powell. 1,516,547; Nov. 25.
Vehicles, Signaling device for. N. H. Nelson. 1,516,978; Nov. 25.
Vehicles, Transmission device for motor. J. H. Spangler. 1,516,623; Nov. 25.
Vehicles, Windshield for. E. W. Saunders. 1,516,503; Nov. 25.
Vending machine. J. D. Hope. 1,517,066; Nov. 25.
Vending machine. O. Markel. 1,516,677; Nov. 25.
Vencer and the like, Drier for. W. H. Collier and A. J. Vance. 1,517,235; Nov. 25.
Vibratory relay. S. R. Smith. 1,516,650; Nov. 25.
Vibratory structures of vibration apparatus, Damping. H. Hecht, H. Lichte, and B. Nielsen. 1,517,063; Nov. 25.
Vise. O. S. Lee. 1,517,010; Nov. 25.
Vulcanizing presses, Hot plate for. J. R. Gammeter. 1,516,596; Nov. 25.
Wall-box extension sleeve. C. C. Shipp. 1,515,833; Nov. 25.
Wall plug. G. Murray. 1,517,091; Nov. 25.
Warp-stop-detector-applying mechanism. S. Magnano. 1,516,675; Nov. 25.
Washboard. O. J. Hebert. 1,517,002; Nov. 25.
Washboard-holding means. A. W. Wagner. 1,517,135; Nov. 25.
Washing machine. G. B. Pillar. 1,516,985; Nov. 25.
Washing machine. C. J. Veley and W. S. Forbes. 1,516,800; Nov. 25.
Watchcase bow. A. W. Wadsworth and A. P. Conant. Des. 66,009; Nov. 25.

Watchcase bow. A. W. Wadsworth and A. P. Conant. Des. 66,101; Nov. 25.
Watchcase crown. A. P. Conant. Des. 66,075; Nov. 25.
Watchcase crown. A. W. Wadsworth and A. P. Conant. Des. 66,100; Nov. 25.
Watchcase crown. A. W. Wadsworth and A. P. Conant. Des. 66,102; Nov. 25.
Watchcase dial. A. P. Conant. Des. 66,076-7; Nov. 25.
Watchcase pendant. A. P. Conant. Des. 66,074; Nov. 25.
Watch, Convertible. R. A. Gsell. 1,516,599; Nov. 25.
Wax from artificial-denture casts, Device for removing. B. Watson. 1,517,038; Nov. 25.
Web controller. T. M. Avery. 1,517,099; Nov. 25.
Web-carrier magazine. O. W. Richardson. 1,516,790; Nov. 25.
Welding, Connecting metal parts by electric. R. Stresau. 1,517,238; Nov. 25.
Welding torch. J. L. Anderson. 1,516,486; Nov. 25.
Welding torch. F. Wade. 1,516,655; Nov. 25.
Well-boring apparatus. P. Brunt. 1,516,709; Nov. 25.
Well heater, Electric. J. E. Williamson. 1,516,836; Nov. 25.
Well swab, Oil. L. Robinson. 1,516,791; Nov. 25.
Well-tube tool. L. Batchlor. 1,516,515; Nov. 25.
Wheel. M. H. Blank. 1,516,604; Nov. 25.
Wheel-alignment indicator. A. I. Sandbo. 1,516,549; Nov. 25.
Wheel-locking device, Demountable. J. L. Theobald. 1,516,799; Nov. 25.
Wheel puller. S. Chinn. 1,516,492; Nov. 25.
Wheel rim. F. Archer. 1,516,904; Nov. 25.
Winding machine. H. Schwelter. 1,516,648; Nov. 25.
Windmill. F. R. Burch. 1,516,608; Nov. 25.
Window chair, Collapsible. M. Seidemann. 1,516,580; Nov. 25.
Window controlled by spiral spring, Sliding. A. Hieber. 1,517,212; Nov. 25.
Window-sash lock, Sliding. M. Hanisko. 1,516,673; Nov. 25.
Window seat. R. F. and W. H. Strief. 1,517,029; Nov. 25.
Windshield cleaner. F. G. and W. M. Folberth. 1,516,722; Nov. 25.
Windshield cleaner. J. H. Hammond, jr. 1,516,600; Nov. 25.
Wire or rod tightening device. S. L. Modée. 1,516,748; Nov. 25.
Wireless tie insulator. H. A. Frederick. 1,516,884; Nov. 25.
Wood pulp and cellulose, Roller for pressing apparatus for. R. E. Wagner. 1,517,036; Nov. 25.
Wood rolls, End seal for. C. C. Harris. 1,516,505; Nov. 25.
Wrapping and labelling machine. E. D. Anderson and C. Beckmann. 1,516,902; Nov. 25.
Wrench: See—
Nut wrench. Plier wrench.
Wringer: See—
Clothes wringer. Mop wringer.
Writing instrument. R. Müller. 1,516,805; Nov. 25.
Yarn warps upon dyeing beams, Apparatus for winding. B. K. Thies. 1,516,553; Nov. 25.
Zinc in electric furnaces, Production of. F. Tharaldsen. 1,516,651; Nov. 25.

CLASSIFICATION OF PATENTS

NOVEMBER 25, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

2— 2: 1,516,644	24— 211: 1,516,737	46— 4: 1,517,022	78— 47: 1,517,079	109— 1: 1,516,977	144— 60: 1,517,052
42: 1,516,658	231: 1,516,875	12: 1,516,654	41: 1,516,612	3: 1,516,530	291: 1,516,777
60: 1,516,590	241: 1,516,806	25: 1,516,798	15: 1,516,624	44: 1,516,525	309: 1,516,566
123: 1,516,761	263: 1,516,489	37: 1,516,718	41: 1,516,877	99: 1,516,604	145— 2: 1,517,043
147: 1,516,931	41: 1,516,710	40: 1,517,030	41: 1,517,010	76: 1,516,954	50: 1,516,504
169: 1,516,966	45: 1,517,128	56: 1,517,202	85: 1,517,162	206: 1,516,574	3: 1,516,683
185: 1,517,071	130: 1,516,535	41: 1,516,918	119: 1,516,812	80: 1,516,559	81: 1,516,507
237: 1,516,801	131: 1,516,760	56: 1,517,113	133: 1,516,735	21: 1,516,541	114: 1,516,490
253: 1,517,120	62: 1,517,225	59: 1,516,859	183: 1,516,602	61: 1,516,750	130: 1,516,678
267: 1,516,981	32: 1,516,551	1,516,887	1: 1,517,176	25: 1,516,625	155: 1,516,828
239: 1,517,223	41: 1,516,675	69: 1,517,147	4: 1,516,509	33: 1,516,536	159: 1,516,724
247: 1,516,903	23: 5: 1,516,556	218: 1,516,913	35: 1,517,175	45: 1,516,978	147— 4: 1,516,662
122: 1,516,755	69: 1,516,495	29: 1,516,996	9: 1,516,913	50: 1,516,542	148— 16: 1,516,645
7— 3: 1,517,228	81: 1,517,097	72: 1,516,895	54: 1,516,910	79: 1,517,064	25: 1,516,750
9— 1: 1,517,158	85: 1,516,492	117: 1,516,749	73: 1,516,773	126: 1,516,733	149— 4: 1,516,641
11: 1,517,007	86: 3: 1,516,712	130: 1,516,746	80: 1,516,640	133: 1,517,026	150— 1: 1,517,160
1: 1,517,064	148: 1,516,762	278: 1,516,832	261: 1,517,217	35: 1,516,576	40: 1,517,013
86: 1,516,721	149: 5: 1,516,740	4: 1,516,782	454: 1,516,947	39: 1,516,620	151— 21: 1,516,716
154: 1,516,933	1: 1,516,635	5: 1,517,161	513: 1,516,983	46: 1,516,900	152— 14: 1,516,823
165: 1,517,139	9: 1,516,789	7: 1,516,962	2: 4: 1,516,652	49: 1,517,034	24: 1,516,687
1: 1,516,697	12: 1,516,626	207: 1,516,669	9: 1,516,879	25: 1,516,639	153— 11: 1,517,053
4: 1,516,499	2: 1,517,194	35: 1,516,636	17: 1,516,567	55: 1,516,752	28: 1,516,575
10: 1,516,538	15: 1,517,186	66: 1,516,599	19: 1,517,038	59: 1,516,989	39: 1,516,684
14: 1,516,485	10: 1,516,933	116: 1,517,008	14: 1,516,608	105: 1,517,209	54: 1,516,637
20: 1,516,554	143: 1,516,631	126: 1,517,174	17: 1,516,896	142: 1,517,140	67: 1,517,004
34: 1,516,930	147: 1,516,909	79: 1,517,104	41: 1,517,009	43: 1,516,586	154— 2: 1,516,571
83: 5: 1,516,523	178: 1,516,709	61— 3: 1,516,767	53: 1,517,216	100: 1,516,865	9: 1,516,613
34: 1,517,141	180: 1,516,549	62— 116: 1,516,744	171: 1,516,524	103: 1,516,948	17: 1,517,023
104: 06: 1,516,890	12: 1,516,663	4: 1,517,078	11: 1,516,543	117: 1,516,546	64: 1,516,778
198: 1,516,587	18: 1,517,235	27: 1,516,634	56: 1,516,964	124: 1,516,894	155— 85: 1,516,811
249: 1,516,949	1: 1,517,214	36: 1,517,060	59: 1,516,751	32: 1,517,015	156— 10: 1,516,935
253: 1,516,600	48: 1,517,012	61: 1,517,132	45: 1,516,660	53: 1,517,191	27: 1,517,021
260: 1,517,187	1: 1,516,840	66— 5: 1,517,214	51: 1,517,056	149: 1,517,033	158— 1: 1,516,642
264: 1,517,164	29: 1,517,171	67— 24: 1,517,115	67: 5: 1,516,950	1,517,093	27: 4: 1,516,498
16— 19: 1,517,082	34: 1,516,487	68— 26: 1,516,923	47: 1,516,565	1,517,203	1,516,555
42: 1,516,573	71: 1,516,845	29: 1,517,062	46: 1,517,018	169: 1,517,211	1,516,555
97: 1,517,088	1,517,170	32: 1,516,886	49: 1,517,036	171: 1,516,691	38: 1,516,691
128: 1,517,205	43: 1,517,190	41: 1,516,491	3: 1,516,497	198: 1,516,816	1,516,818
163: 1,516,747	46: 1,517,016	105: 1,517,091	5: 1,516,902	28: 1,517,073	1,516,946
200: 1,517,212	116: 1,516,878	118: 1,517,035	7: 1,517,059	298: 1,517,017	63: 1,516,511
18— 2: 1,516,488	126: 1,516,619	122: 1,517,102	64: 1,516,905	70: 1,517,215	1,516,797
12: 1,516,841	148: 1,516,905	51: 1,517,144	42: 1,516,774	92: 1,516,927	66: 1,516,903
1,516,843	1,516,999	54: 1,516,829	2: 1,516,824	99: 1,516,969	75: 1,517,183
17: 1,516,596	1,517,000	7: 1,516,538	6: 1,517,049	288: 1,516,688	91: 1,516,569
47: 1,517,208	82: 1,516,614	26: 1,517,086	7: 1,516,538	32: 1,516,512	1,516,638
52: 1,517,221	184: 1,516,703	31: 1,516,729	55: 1,517,150	52: 1,516,717	120: 1,517,167
53: 1,516,629	5: 1,516,783	55: 1,517,150	228: 1,516,561	354: 1,516,955	61: 1,517,061
59: 1,516,632	7: 1,516,831	98— 4: 1,516,794	12: 1,517,041	1: 1,516,932	68: 1,516,955
60: 1,516,890	1,517,199	50: 1,517,179	39: 1,517,150	17: 1,516,545	87: 1,516,870
61: 1,516,598	1,517,230	6: 1,516,705	51: 1,517,142	12: 1,517,041	119: 1,516,626
18: 1,516,719	14: 1,516,500	1,516,738	18: 1,516,959	39: 1,517,150	166— 19: 1,517,228
74: 1,516,521	28: 1,516,882	9: 1,516,728	1,516,990	51: 1,517,142	167— 4: 1,516,988
92: 1,516,975	131: 1,517,107	11: 1,516,952	1,516,991	132— 16: 1,516,959	5: 1,516,562
95: 1,516,711	136: 1,517,133	44: 1,516,962	1,516,992	1,516,991	9: 1,516,820
111: 1,517,020	159: 1,516,563	27: 1,517,112	48: 1,517,166	45: 1,517,166	168— 14: 1,516,508
123: 1,517,065	21: 1,516,506	44: 1,516,676	49: 1,516,661	48: 1,516,661	170— 27: 1,516,668
155: 1,516,667	41: 5: 1,517,200	39: 1,516,637	49: 1,516,706	49: 1,516,706	171— 206: 1,517,237
200: 1,516,804	3: 1,516,540	1,516,698	1: 1,517,075	134— 1: 1,517,075	172— 179: 1,517,233
203: 1,516,914	1,516,835	1,517,116	49: 1,517,076	136— 38: 1,516,974	238: 1,517,117
23— 1: 1,516,588	1,516,972	50: 1,516,900	97: 1,516,528	137— 21: 1,516,802	316: 1,516,884
10: 1,516,915	39: 1,516,940	54: 1,516,998	333: 1,516,960	69: 1,516,889	318: 1,516,585
13: 1,517,046	47: 1,516,707	1,517,032	414: 1,516,901	75: 1,516,838	330: 1,517,127
38: 1,516,550	69: 1,517,192	56: 1,516,572	3: 1,516,919	93: 1,516,814	344: 1,516,837
6: 1,517,154	81: 1,517,210	59: 1,516,623	111: 1,516,681	111: 1,516,594	361: 1,516,581
19: 1,517,184	84: 1,517,085	1,516,734	132: 1,516,817	139: 1,516,945	175— 183: 1,517,037
20: 1,516,682	118: 1,517,028	1,517,189	225: 1,516,534	146: 1,516,979	355: 1,516,615
73: 1,517,118	139: 1,517,131	81: 1,516,862	236: 1,517,048	157: 1,516,630	367: 1,517,025
90: 1,516,867	7: 1,516,907	87: 1,517,027	44: 1,516,605	45: 1,516,686	375: 1,517,011
1: 1,516,872	9: 1,516,757	109: 1,517,070	38: 1,516,517	74: 1,516,674	177— 337: 1,516,538
102: 1,516,852	21: 1,516,582	17: 1,517,232	97: 1,516,957	93: 1,517,129	178— 17: 1,517,110
132: 1,516,924	24: 1,516,611	73: 1,517,055	1,516,958	106: 1,516,892	44: 1,516,518
153: 1,517,222	50: 1,516,795	87: 1,516,997	193: 1,517,182	171: 1,516,609	98: 1,516,650
184: 1,516,960	51: 1,516,763	110: 1,517,177	205: 1,516,928	196: 1,516,671	179— 27: 5: 1,516,539
191: 1,517,014	52: 1,517,044	77— 2: 1,516,815	266: 1,517,105	245: 1,516,790	100: 1: 1,516,595
1,517,060	75: 1,516,865	32: 1,516,858	308: 1,517,005	271: 1,516,656	119: 1,516,690
208: 1,516,610	104: 1,517,148	62: 1,516,853	345: 1,516,866	306: 1,516,730	170: 1,516,519
	46— 4: 1,516,786	78— 5: 1,517,198	373: 1,517,100	377: 1,517,072	171: 1,517,057
			106— 34: 1,516,952	9: 1,516,593	190: 1,517,058
			108— 10: 1,516,696	143— 19: 1,516,529	180— 9: 1: 1,516,578
			109— 1: 1,516,551	89: 1,517,108	

CLASSIFICATION OF PATENTS.

180— 22: 1,517,193	200— 141: 1,516,653	219— 57: 1,516,526	240— 8, 4: 1,517,180	254— 106: 1,516,616	280— 186: 1,516,784
77: 1,516,713	153: 1,517,042	63: 1,516,646	8, 5: 1,516,768	131: 1,516,589	284— 57: 1,516,851
1,516,714	166: 1,516,863	5: 1,517,006	46: 1,516,883	63: 1,516,601	285— 197: 1,516,911
1,516,715	203— 6: 1,516,701	51: 1,517,089	52: 1,516,877	75: 1,516,709	287— 91: 1,516,891
1,516,994	204— 64: 1,516,651	71: 1,516,337	61: 1,517,143	24: 1,517,163	124: 1,516,670
82: 1,516,502	1,517,122	72: 1,516,694	62: 1,517,111	129: 1,516,695	201— 15: 1,516,544
181— 27: 1,516,754	205— 3: 1,516,618	97: 1,516,775	73: 1,516,501	132: 1,516,783	202— 39: 1,516,628
183— 14: 1,516,857	206— 15, 1: 1,516,936	11: 1,517,121	84: 1,517,153	262: 1,516,893	89: 1,516,692
51: 1,516,548	16, 5: 1,516,689	16: 1,516,706	456: 1,517,137	134: 1,516,792	175: 1,516,995
184— 13: 1,517,227	27: 1,516,819	67: 1,516,825	242— 43: 1,516,648	11: 1,517,002	202: 1,516,673
187— 1: 1,516,727	44: 1,516,821	95: 1,516,839	52: 1,516,849	260— 11: 1,517,003	1,516,937
188— 2: 1,517,077	208— 45: 1,516,592	96: 1,516,942	84, 1: 1,516,522	108: 1,516,720	207: 1,516,514
8: 1,516,916	101: 1,517,146	119: 1,516,505	154: 1,516,885	116: 1,516,756	282: 1,516,787
189— 29: 1,517,119	51: 1,516,881	51: 1,517,220	243— 8: 1,516,963	261— 113: 1,516,939	1,516,788
191— 40: 1,517,157	112: 1,517,165	29: 1,517,094	244— 25: 1,516,708	262— 1: 1,516,830	325: 1,516,609
43: 1,516,864	165: 1,516,871	31: 1,517,074	31: 1,516,732	263— 30: 1,517,095	203— 55: 1,516,731
192— 67: 1,516,494	199: 1,516,693	8: 1,516,564	246— 63: 1,516,898	29: 1,516,934	1,516,961
68: 1,516,699	201: 1,516,702	228: 64: 1,516,988	1,517,231	41: 1,517,172	294— 43: 1,516,844
197— 97: 1,516,922	211— 8: 1,516,677	72: 1,516,925	181: 1,516,899	22: 1,516,944	49: 1,517,040
127: 1,516,679	1,517,066	1: 1,517,168	182: 1,516,909	24: 1,517,106	83: 1,517,019
138: 1,516,532	13: 1,517,219	30: 1,516,591	1,516,810	69: 1,516,741	94: 1,516,515
176: 1,516,685	34: 1,516,888	34: 1,516,516	188: 1,517,195	41: 1,517,185	106: 1,516,973
186: 1,516,920	212— 44: 1,516,976	19: 1,516,986	253: 1,517,236	12: 1,516,933	1,517,130
198— 11: 1,516,633	139: 1,516,622	21: 1,517,054	318: 1,517,094	53: 1,516,700	206— 19: 1,517,069
170: 1,516,967	36: 1,516,987	31: 1,516,807	431: 1,516,513	74: 1,517,138	84: 1,516,503
192: 1,516,666	140: 1,517,201	58: 1,516,772	248— 2: 1,516,621	2: 1,517,136	95: 1,516,854
59: 1,516,758	215— 13: 1,517,047	78: 1,516,827	3: 1,516,672	8: 1,516,723	97: 1,516,776
63: 1,516,883	37: 1,517,143	80: 1,516,929	30: 1,516,833	39: 1,516,779	116: 1,516,690
14: 1,516,765	100: 1,516,956	134: 1,517,125	1,517,101	270— 2, 6: 1,517,099	301— 9: 1,516,799
26: 1,516,617	217— 26: 1,517,051	144: 1,516,535	250— 34: 1,517,108	87: 1,516,770	31: 1,516,964
33: 1,516,753	35: 1,516,743	42: 1,517,204	251— 116: 1,516,850	9: 1,517,181	32: 1,516,904
43: 1,517,188	76: 1,517,087	18: 1,517,031	144: 1,516,846	23: 1,516,603	35: 1,516,643
44: 1,516,766	218— 17, 1: 1,516,965	42: 1,517,204	166: 1,517,224	37: 1,516,847	53: 1,516,664
48: 1,517,061	10: 1,517,238	74: 1,517,173	202— 1: 1,516,917	51: 1,517,024	92: 1,516,725
50: 1,516,736	19: 1,517,149	210: 1,517,124	253— 69: 1,517,234	96: 1,516,876	5: 1,517,156
59: 1,516,938	22: 1,516,970	243: 1,517,001	77: 1,516,907	16: 1,516,941	24: 1,516,580
1,517,045	25: 1,516,781	286: 1,517,151	122: 1,516,832	33, 44: 1,516,874	1,516,793
86: 1,516,570	32: 1,517,098	1,517,152	71: 1,516,748	51: 1,516,856	1,517,029
111: 1,516,908	33: 1,516,836	2: 1,516,647		112: 1,517,134	39: 1,516,971
115, 5: 1,516,520	38: 1,516,493				
125: 1,517,229	43: 1,516,657				

OFFICIAL GAZETTE

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PUBLIC
VOLUME 329
DECEMBER 30, 1924

1924

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CONTENTS.

	Page.
DECISIONS OF THE COMMISSIONER OF PATENTS, December 2, 9, 16, 23, 30.....	3, 263, 535, 799, 1005
REPORT OF THE COMMISSIONER OF PATENTS FOR THE FISCAL YEAR ENDED JUNE 30, 1924.....	15, 275, 547, 811, 1007
TRADE-MARKS PUBLISHED AND REGISTERED, December 2, 9, 16, 23, 30.....	67, 328, 803, 844, 1060
LABELS AND PRINTS REGISTERED, December 2, 9, 16, 23, 30.....	89, 327, 805, 847
REISSUES, December 2, 9, 16, 23, 30.....	89, 328, 807, 847, 1061
DESIGNS, December 2, 9, 16, 23, 30.....	83, 338, 613, 858, 1068
PATENTS, December 2, 9, 16, 23, 30.....	

ANNOUNCEMENTS.

	Page.
ADVERSE DECISIONS IN INTERFERENCE—Cossitt, 1,432,156.....	797
De Haven and Schaaf, 1,432,678.....	797
Dinsen and Krickler, 1,426,156.....	999
Dodson (design patents), 58,554 and 58,555.....	797
Eekete, 1,393,994.....	999
Freitas, 1,373,322.....	797
Goetz, 1,394,892.....	797
Hanson, 1,416,464.....	546
Hart, 1,382,286.....	546
Harvey and Bouton, 1,444,014.....	797
Lampert, 1,441,858.....	797
Lincoln, 1,485,120.....	797
McCrosen, 1,458,586.....	999
Meell (design patent), 63,371.....	546
Plumstead, 1,488,830.....	999
Vickers, 1,455,280.....	546
Wilson, 1,463,860.....	999
APPLICATIONS—Condition of pending.....	2, 262, 534, 798, 1000
DISCLAIMERS—Helson, Gilbert F.....	1
Olson, Carl G., and Frank W. England.....	1006
EXAMINERS' LETTERS AND AMENDMENTS.....	261
INTERFERENCE NOTICES—Barr.....	1, 533, 797, 999
Beinhauer Bros. Candy Co.....	14, 274, 533
Dempster.....	999
Electra-Pura Water Co.....	797, 999
Gilbert Toilet Company.....	14
Kuné.....	797, 999
Lady Fair Gown Co.....	14, 274
Longwood Laboratories Inc.....	14, 274
Maus, deceased, The Heirs.....	14, 274
Seattle Pure Food Co. Inc.....	14, 274, 533
Wolf Process Leather Company.....	14, 274, 533
PATENT LAWS—Act March 3, 1883.....	1
PATENT SUITS—List of.....	13, 273, 545, 810, 1006
PATENTS—List of adjudicated.....	13, 273, 545, 810, 1006
REPORT OF THE COMMISSIONER OF PATENTS FOR THE FISCAL YEAR ENDED JUNE 30, 1924.....	1001
TRADE-MARKS—Notice of cancellation.....	14, 261

TABLE OF CASES REPORTED.

	Page.		Page.
Apex Electrical Manufacturing Company, The.....	264	* Irwin-Hodson Co., Inc., v. Geo. Primbs & Sons, Inc.....	1005
Ashaway Line & Twine Manufacturing Company.....	264	John. Ex parte.....	3
Ball, Ex parte.....	4	Kling v. Haring.....	805
Bedell, Ex parte.....	802	* Larson v. Crowther.....	539
Bonnelycke, Ex parte.....	7	Lay & Way Co., The, v. The Charles H. Scott Company.....	536
Caldwell Manufacturing Company, The, v. The Glass Novelty Company.....	801	Lipson & Adelson v. Flynn.....	536
Chapman, Ex parte.....	263	Lombard v. Kendig.....	539
Cluett, Peabody & Co., Inc., v. Phillips-Jones Corporation.....	537	Maginley, Mme. V. V. Ex parte.....	264
Cluett, Peabody & Co., Inc., v. Phillips-Jones Corporation.....	538	Nafziger Baking Company v. Ward Bros. Co., Inc.....	799
Corn Products Refining Company v. Bragno & Munari.....	806	National Cash Register Company, The, v. National Paper Products Paper Company.....	799
Dalton, Ex parte.....	803	* Panay Horizontal Show Jar Co. v. Aridor Co.....	807
Gourtoff, Ex parte.....	536	* Rogers v. Willoughby and Lowell.....	266
H. K. H. Silk Co., The, Ex parte.....	260	Sawyer Biscuit Company v. Robert A. Johnson Co.....	12
Hazard v. Tefft.....	11	Seeger v. Willson.....	265
Hayde v. Croll v. Boynton v. Larson.....	3	Shaffer v. Nelson.....	5
* Indiana Lamp Co. et al. v. Alvo Mfg. Co. et al.....	807	State Oil Company v. The Hickok Producing Company.....	9
Interwoven Stocking Company v. David Harris & Elsner.....	11	Stone and Frost, Ex parte.....	7
		Sweetland, Ex parte.....	8
		Walrod, Ex parte.....	535
		Winslow, Ex parte.....	800

[Decisions of the Court of Appeals of the District of Columbia are indicated by a star (*); of the Circuit Court of Appeals by the letter (a).]

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5010

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CONTENTS.

	Page.
ISSUE OF DECEMBER 2, 1924.....	1
PATENTS UNDER THE ACT OF MARCH 3, 1883.....	1
DISCLAIMER.....	1
ADJUDICATED PATENTS.....	1
APPLICATIONS UNDER EXAMINATION.....	2
COMMISSIONER'S DECISIONS—	
Ex parte John.....	3
Hayde v. Croll v. Boynton v. Larson.....	3
Ex parte Ball.....	4
Shaffer v. Nelson.....	5
Ex parte Stone and Frost.....	7
Ex parte Bonnalys.....	7
Ex parte Swetland.....	8
State Oil Company v. The Hickok Producing Company.....	9
Hazard v. Taft.....	11
Interwoven Stocking Company v. David Harris & Elmer.....	11
Sawyer Block Company v. Robert A. Johnston Co.....	12
PATENT SUITS.....	13
INTERFERENCE NOTICES.....	14
NOTICE OF CANCELLATION.....	14
TRADE-MARKS PUBLISHED (277 APPLICATIONS).....	15
TRADE-MARK REGISTRATIONS GRANTED.....	25
TRADE-MARK REGISTRATIONS RENEWED.....	27
LABELS.....	27
PRINTS.....	27
REISSUES.....	27
DESIGNS.....	28
PATENTS GRANTED.....	28

Issue of December 2, 1924.

Trade-Marks.....	256—No. 192,280 to No. 192,401, inclusive.
T. M. Renewals.....	9
Labels.....	13—No. 27,880 to No. 27,911, inclusive.
Prints.....	1—No. 7,800.
Reissues.....	2—No. 15,986 to No. 15,987, inclusive.
Designs.....	66—No. 66,167 to No. 66,172, inclusive.
Patents.....	887—No. 1,517,240 to No. 1,518,126, inclusive.
Total.....	1234

Patents Under the Act of March 3, 1883.

Order No. 2,887. November 18, 1924.

Under the act of March 3, 1883, a patent can be issued without fee only to an officer of the Government, for an invention used, or to be used, in the public service, and where there is embodied in the specification a statement that "the invention described may be used by the Government or any of its officers or employees in prosecution of work for the Government or by any other persons in the United States without the payment to me [or us] of any royalty thereon."

The inventor need not be an officer of the Government, but an application may be filed under this act by one who is not an officer if it is accompanied by an assignment of the entire interest to an officer of the Government, with a request that the patent issue to him, and the other conditions of the act are complied with. An assignment to the Government of the United States or to an officer of the Government as trustee for anyone except the people of the United States or the Government of the United States will not comply with the act.

Every application should be accompanied by a statement of the head of the department or the head of the bureau in which the inventor, if he be an officer of the

Government, is employed, or in which the officer to whom the application is assigned is employed, that such inventor or assignee is an officer of the Government, and that the invention is used or to be used in the public service. The dedication in the words of the statute should be included in the specification, and if the inventor is not an officer of the Government there should be placed of record in the application a like dedication from the officer to whom the patent is to be issued.

If from the papers as filed it appears that the inventor or the assignee is an officer of the Government and the dedication is in the specification, a serial number and filing date will be given, and the Examiner in the first action will require the other formalities, if any be missing, to be complied with.

The final grant of the patent shall include a statement to the effect, "Provided, however, that the said invention may be used by the Government, or any of its officers or employees in prosecution of work for the Government, or by any other person in the United States, without the payment of any royalty thereon."

When the patent is issued the publication in the OFFICIAL GAZETTE shall include the statement: "Granted under the act of March 3, 1883; 22 Stat. L. 625."

KARL FENNING,
Assistant Commissioner.

Disclaimer.

1,253,820.—*Gilbert F. Helson*, New York, N. Y. APPARATUS FOR FILLING BOTTLES. Patent dated January 15, 1918. Disclaimer filed November 18, 1924, by the assignee, *Standard Automatic Machine Co.*

Hereby enters this disclaimer to claim 1 in said patent, which claim is in the following words, to wit:

"1. In an apparatus for filling bottles, the combination of a supply reservoir, delivery tubes tubular connections between the same and the supply reservoir, an overflow receptacle, a pipe leading therefrom having branches extending to the lower ends of the respective delivery tubes and adjacent thereto, an adjustable support for the bottles, means for raising said support and thereby bringing the end of one of said delivery tubes and one of said branches into the mouth of each bottle, means for exhausting the air from the overflow receptacle and creating a vacuum in said branches, bottles, delivery tubes and connections therefrom to the supply reservoir, whereby the filling material is drawn into the bottles by suction and any surplus drawn from the delivery tubes into said branches and conveyed directly to the overflow receptacle."

ADJUDICATED PATENTS.

(D. C. N. Y.) The Lyon patent, No. 1,198,246, for motor-vehicle buffer, *Held* not infringed. *Lyon v. Bob*, 1 Fed. Rep. (2d) 48.

(C. C. A. Ohio.) The White patent, No. 1,237,432, for interceptor to prevent overlubrication in internal-combustion engines, *Held* invalid. *White v. Peerless Motor Car Co.*, 1 Fed. Rep. (2d) 10.

7910

Condition of Applications Under Examination at Close of Business November 21, 1924.

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	June 2	June 26	942
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	May 27	May 29	740
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 2	Sept. 20	210
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Apr. 28	July 16	831
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	May 3	May 6	975
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Apr. 21	May 14	1,098
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	June 7	June 19	1,448
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	July 15	Sept. 5	1,247
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 4	Oct. 13	562
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	June 4	July 19	1,310
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Aug. 6	Aug. 1	824
380	12. PIERCE, P. P., Machine Elements.	June 30	June 26	916
154*	13. NIXON, G. A., Bolt, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Apr. 15	May 8	1,066
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	June 4	Sept. 9	450
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	May 22	June 9	1,316
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Apr. 23	May 12	1,346
307	17. RARTER, G. S., Label Fastening and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 19	Aug. 4	766
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 24	Mar. 22	1,210
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 2	Sept. 6	785
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	May 14	May 19	1,181
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	May 14	Aug. 30	540
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Apr. 26	Apr. 29	1,036
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanism.	June 5	June 5	489
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	May 21	June 4	795
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 22	Sept. 10	674
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Mar. 18	May 23	788
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	June 19	June 20	989
225	28. BENSON, A. R., Internal-Combustion Engines.	May 23	June 24	1,053
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Apr. 25	May 6	1,164
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	May 23	July 15	1,170
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Oils.	May 21	May 31	967
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	May 26	June 5	840
132	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	July 7	July 11	1,053
304	34. SIMPSON, G. B., Electricity; Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	July 1	July 3	680
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Aug. 22	Aug. 25	644
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	June 2	June 13	1,491
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 30	May 17	1,586
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	June 11	June 2	1,090
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	May 19	July 9	620
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Apr. 9	July 25	1,874
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	May 3	June 20	626
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Mar. 25	Apr. 11	1,476
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Apr. 14	Apr. 24	1,183
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	May 5	June 13	1,048
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	May 17	May 23	811
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Apr. 28	Apr. 22	996
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	May 16	May 19	1,438
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Apr. 7	Apr. 12	1,929
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	May 14	June 19	910
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Apr. 10	Apr. 11	1,719
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	May 8	Apr. 30	2,190
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	July 2	July 29	749
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 10	May 5	1,371
102	DESIGNS: C. O. MARKHAM (Acting).	Oct. 15	Oct. 22	558
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Oct. 22	Nov. 7	1,589
		Aug. 22	Aug. 23	612

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE JOHN.

Decided June 5, 1922.

SPECIFICATION—USE OF TRADE NAME TO DESIGNATE MATERIAL USED IN A COMPOSITION OF MATTER.

Where a substance is designated by a trade name which, according to the dictionary and scientific books, is applied to several chemical substances and where the registrant of that name as a trade-mark is at liberty to change the composition sold under that mark and market it under this technical trade-mark or to withdraw it from the market altogether, *Held* that the word without further description in a formula could not be regarded as describing the invention "in such full, clear, concise and exact terms as to enable any person skilled in the art . . . to make . . . and use the same," as required by section 4888, Revised Statutes.

ON PETITION.

Messrs. Prindle, Wright & Small for the applicant.

ROBERTSON, Commissioner:

Applicant petitions from the requirement of the Examiner that some other technical term be used for the word "metol."

It appears from the various definitions of "metol," given in the dictionary and scientific books, that the term is applied to several chemical substances.

As to the trade name "metol," it is apparent that the registrant of that mark is at liberty to change the composition of his photographic developer sold under that mark and market it under this technical trade-mark "Metol."

Under these circumstances the word "metol" without further description in a formula could not be regarded as describing the invention "in such full, clear, concise and exact terms as to enable any person skilled in the art . . . to make . . . and use the same," as required by section 4888, Revised Statutes.

However, the objection to the lack of disclosure may be overcome if petitioner will amend the specification by inserting after the word "metol," parenthetically, the particular substance or substances relied upon or to sufficiently identify the substance so that the public would not have to depend upon an article sold under a trade name and which might be changed in composition or withdrawn from the market altogether.

With the exception of the suggestions above stated, the petition is denied.

HAYDE v. CROLL v. BOYNTON v. LARSON.

Decided January 5, 1923.

1. INTERFERENCE—BAR TO GRANTING OF PATENT.

An award of priority to a party is not a ruling that he is entitled to a patent. The question whether a bar exists to the granting of a patent to the successful party is entirely distinct from the interference proceeding.

2. SAME—SAME—DEDICATION OF INVENTION TO PUBLIC.

Where B. assigned his invention to the U. S. Shipping Board Emergency Fleet Corporation, and that corporation thereafter dedicated the invention to the Government of the United States and the people of the United States, *Held* that no sufficient reason appeared why the interference should not proceed in the regular way, and a petition by L. that the interference be dissolved as to B. and that his application be finally rejected on the ground that the invention had been abandoned and dedicated to the public was denied.

3. TITLE TO INVENTION—DEDICATION TO THE PUBLIC—INVENTION HELD IN TRUST.

In the event that the invention is to be held in trust for the people of the United States the trust shall not fail for want of a trustee to execute the trust.

4. ASSIGNMENT OF INVENTION—TITLE TO PATENT—GRANTEE OF PATENT.

Patents are equally valid whether issued in the name of the applicant or the assignee, and when issued the title immediately vests by operation of law in the assignee.

5. POWER OF ATTORNEY—REVOCATION OF—ASSIGNMENT OR ABANDONMENT OF APPLICATION.

Neither the assignment nor the abandonment of an application will revoke the power of attorney.

6. INTERFERENCE—PATENTABILITY OF ISSUE TO AN OP- PONENT—MOTION TO DISSOLVE—REASON FOR NOT BRINGING—RULE 130—CONDITIONS WHICH PERMIT BENEFIT OF.

Where at a hearing before the Law Examiner the attorney for B. did not have the information showing the relation between the H. application in issue and his earlier application, which relation raised the question of H.'s right to make the claim in view of prior references, this may be regarded as sufficient reason for not bringing a motion under rule 122—that is, a sufficient reason to satisfy rule 130 in this particular case.

7. PETITION—QUESTIONS INVOLVING MERITS.

Questions involving the merits of a case should not be decided upon petition.

ON PETITION.

Messrs. Cushman, Bryant & Darby for Hayde.

Messrs. Sheffield & Betts for Croll.

Messrs. Alexander & Dowell for Boynton.

Mr. Frederick Lyon for Larson. (Mr. C. A. Mason of counsel.)

ROBERTSON, Commissioner:

Larson petitions that this interference be dissolved as to Boynton; that his application be finally rejected on the ground that the invention has been abandoned and dedicated to the public; and that the power of attorney to Alexander & Dowell be canceled.

Boynton petitions the Commissioner to exercise his supervisory authority to require Hayde—

(1) To show cause why Hayde's application Serial No. _____, filed _____, should not be rejected as not being in fact a legal division of and therefore not entitled to the date of the filing of Hayde's application for reissue _____, which reissue application was filed _____, Serial No. _____; (2) to show cause why his present application is not barred so far as relates to claims for aggregate disclosed therein and concrete made from such aggregate by the publication in Building & Engineering News of Sept. 12, 1917; (3) to show wherein the aggregate and concrete which he disclosed in

his present application, as filed, differs from the aggregate disclosed in the said publication; and (4) to show wherein the aggregate covered in his application is patentably differentiated from that disclosed in his Patent #1,255,878, of February 12, 1918, and that disclosed in patent to Senn, #930,801, of August 10, 1909; and (5) to have the issues definitely defined in view of the apparently conflicting interpretation thereof by the Patent Office tribunals.

Decision on Larson's petition.

It appears that Boynton assigned his invention to the United States Shipping Board Emergency Fleet Corporation and that said corporation thereafter, by Howard Coonley, vice president, duly authorized, did—

convey, give and dedicate to the Government of the United States and to the people of the United States the full and exclusive right, title and interest in and to each of said inventions—

including the invention of said Boynton here involved and any Letters Patent thereon granted.

At the outset the following questions present themselves:

(1) Has Boynton anything to dedicate?

(2) If Boynton is the prior inventor and is willing to dedicate it to the public, has the Commissioner any authority to take the invention away from the public and grant a patent to another for the same invention, without determining which of the two is the prior inventor?

[1] The sole purpose of an interference is to determine the question of priority of invention. It is well settled that an award of priority to a party is not a ruling that he is entitled to a patent. The question whether a bar exists to the granting of a patent to a successful party to an interference is entirely distinct from the interference proceeding. This is well illustrated in interference cases in which the testimony makes out a prima facie case of public use and a bar to the granting of a patent to a successful party in the interference.

[2] No sufficient reason appears why the interference should not proceed in the regular way according to the rules and statutes. The question to whom a patent on the Boynton application shall be granted, if any, need not be considered at this time, but can await the outcome of the interference.

[3] It may be stated, however, that in the event that the invention is to be held in trust for the people of the United States the trust shall not fail for want of a trustee to execute the trust.

It is well settled that if a valid trust has been created and no trustee has been appointed, or a trustee has been appointed who is incompetent to act, equity will appoint a trustee, for it is a cardinal maxim in courts of chancery upon this subject that a trust shall never be suffered to fail for want of a trustee (Bispham's Principles of Equity, 5th Ed., sec. 136).

[4] Furthermore it is within the discretion of the commissioner to issue the patent to the inventor in case the proper assignee can not be definitely determined. The patents are equally valid whether issued in the name of the applicant or the assignee, and when issued the title immediately vests by operation of law in the assignee. *Gaylor v. Wilder*, 10 How. 477.

[5] As to the request that the power of the attorneys be canceled it is well settled that neither the assignment nor the abandonment of an application will revoke the power of attorney.

Decision on Boynton's petition.

[6] Parts (1) to (4), inclusive, of Boynton's petition clearly relate to the question of Hayde's right to make the claims, a question that can be determined by procedure under rule 130. The fact that at the hearing before the Law Examiner the attorney for Boynton did not have the information showing the relation between the Hayde application in issue and his earlier application may be regarded as sufficient reason for not bringing a motion under rule 122—that is, a sufficient reason to satisfy rule 130 in this particular case.

[7] This question is one of merits upon which the parties have a right to be heard by the various tribunals of the Patent Office and by the Court of Appeals of the District of Columbia. This question should therefore not be decided on petition.

As to part (5) of Boynton's motion to have the issues definitely defined it is noted that the counts have been repeatedly considered after inter partes hearings and have been amended in view of such hearings. No good reason therefore appears why they should be reformed at this time under the supervisory authority of the Commissioner.

Conclusion.

The petition of Larson is denied.

The petition of Boynton as to parts (1) to (4), inclusive, is dismissed without prejudice to raising the questions involved in parts (1) to (4) of the petition before the proper tribunals in the further prosecution of the interference, and the petition is denied as to part (5).

It was agreed that these motions should act as a stay of proceedings, and if the interference were to continue new times should be set for taking testimony. The Examiner of Interferences is therefore authorized to reset the times for taking testimony.

EX PARTE BALL.

Decided January 9, 1923.

1. RENEWAL APPLICATION—CONTINUANCE OF ORIGINAL APPLICATION—FINAL REJECTION BASED ON OFFICE ACTION PREVIOUS TO RENEWAL.

A renewal application is a continuance of the original application. Consequently the prosecution, before and after renewal, including the Office actions, must be considered a continuous proceeding, and a final rejection, if properly based on previous rejections, may be correct, even if it constitutes the first Office action after renewal.

2. FINAL REJECTION—NEW CLAIMS FINALLY REJECTED ON REFERENCE ALREADY IN THE RECORD.

Where a reference which had been previously cited against other claims was cited against new claims for the first time in the final rejection, and the previously-rejected claims closely resembled the new claims in subject matter, *Held* that the final rejection was not premature, assuming that the reference met the new claims as well as it met the old.

3. SAME—DILATORY PROSECUTION OF APPLICATION.

Where an application had been pending for more than 10 years and the applicant had waited his full year practically in responding to nearly every Office action, besides allowing the case to become forfeited and using the full statutory two years in renewing, so that the delay on the applicant's part amounted to seven years besides the renewal period, *Held* that an endeavor on his part to find cause whereby final action should be further postponed deserved careful scrutiny.

(Note.—This application has resulted in Patent No. 1,500,597.)

ON PETITION.

Mr. Horace L. Rockwell for the applicant.

ROBERTSON, Commissioner:

Petition is taken that the Examiner be directed to withdraw his final rejection of March 17, 1922, the second Office action after renewal, and admit and examine amendment presented September 8, 1922.

It is contended that the application of two references by the Examiner in his final rejection is different from their application in any action since renewal, and for this reason the final rejection was premature.

[1] This contention is not sound. A renewal application is a continuance of the original application. *Detroit Iron & Steel Co. v. Carey*, 236 Fed. Rep. 924. They are now given the same serial number in this Office (304 O. G. 629). Consequently the prosecution, before and after renewal, including the Office actions, must be considered a continuous proceeding, and a final rejection, if properly based on previous rejections, may be correct, even if it constitutes the first Office action after renewal.

It is further contended that the reference Beche, cited in the final rejection against claims presented for the first time in the amendment of March 13, 1922, had not before been cited against similar claims, and in his memorandum brief submitted with this petition claims admittedly previously rejected on Beche are compared with the claims finally rejected on this reference.

On reviewing the claims compared it is considered claim 31 in the brief was directed to a different construction from that covered by the new claims which include the by-pass.

But claims 1, 4, and 5 of the brief, admittedly previously rejected on Beche, cover the openings provided longitudinally of the cylinder, and the new by-pass claims merely call for the connection of two of these openings.

The specification, page 9, recites:

In order to provide for the necessary elasticity of the stroke . . . I may provide the working cylinder with a plurality of ports or openings differently located longitudinally thereof. These ports may afford a free communication with the atmosphere or may be interconnected in some manner, as by providing a conduit connecting the ports, the conduit serving as a means of communication between the two portions of the cylinder.

[2] In view of the close resemblance in subject matter of the previously-rejected claims to the new by-pass claims it cannot be said the Examiner was wrong in holding that similar claims had been

rejected on Beche. Assuming, further, that this reference meets the new claims as well as it does the old, the final rejection was not premature. The broader of the new claims rejected on Beche and not calling for the by-pass are of course even more similar to claims 1, 4, and 5 of the brief.

[3] There is another feature that cannot be ignored. This application was filed June 1, 1912. The applicant has waited his full year practically in responding to nearly every Office action, besides allowing the case to become forfeited and using the full statutory two years in renewing. Of the 10 years and more this application has been pending delay on his part amounts to seven years besides the renewal period. Under these circumstances an endeavor on the part of the applicant to find cause whereby final action should be further postponed deserves careful scrutiny.

The petition is denied.

The Examiner is authorized to admit the amendment of September 8, 1922, for purposes of appeal should applicant so request and no objection not on the record be found.

SHAFFER v. NEILSON.

Decided April 7, 1923.

INTERFERENCE—REDUCTION TO PRACTICE—DILIGENCE.

Where the invention was simple and actual construction of the device would have required but little time and money, but S. for business reasons decided to make no change in the device he was already manufacturing and did nothing toward reducing the invention to practice from the time of his alleged conception until some time after N's application was filed, *Held* that while the reasons given may have justified delaying the commercial exploitation of the invention they constituted no excuse for the delay in reducing it to practice.

APPEAL from the Examiners in Chief.

Application of Ernest J. Shaffer filed November 29, 1920, Serial No. 426,974. Patent granted Albert H. Neilson June 21, 1921, No. 1,382,602, on application filed June 29, 1920, Serial No. 392,701.

Messrs. Hull, Smith, Brock & West for Shaffer.

Messrs. Munn & Company for Neilson.

KINNAN, First Assistant Commissioner:

This is an appeal by Shaffer from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to Neilson, the senior party.

The invention relates to slip sockets that are used in recovering broken or disconnected sucker rods from oil wells or the like.

Each of the parties provides an internally-tapered barrel member in the bore of which are arranged segmental gripping members. Means are provided for holding the gripping members or "slips" together, so as to prevent the endwise movement of one slip relative to the others, whereby the slips will be prevented from accidentally being discharged or "dumped" from the barrel. This means for holding the slips together is the novel feature of the invention.

The issue is set out in six counts, of which counts 1 and 2 are illustrative:

1. The combination in a socket, of a barrel with a downwardly tapering bore, slips in said bore, and means loosely holding said slips together enabling a greater separation thereof at the top than elsewhere, when moved upwardly in said bore.

2. A socket comprising a barrel with a bore flaring from the bottom, a set of slips occupying said bore, and means extending from one slip to the next, preventing the dislocation of any slip, and sufficiently loose to enable greater separation at the top than elsewhere when pushed upwardly in the flaring bore by an object to be gripped.

Shaffer, the appellant, alleges in his preliminary statement conception of the invention about March 1, 1920, and reduction to practice thereof about July 25, 1920.

The Examiner of Interferences held that Neilson had established a conception of the invention as early as October, 1919, and that therefore he was entitled to the award of priority as the first to conceive and the first to reduce the invention to practice, since his application was filed prior to Shaffer's alleged date of reduction to practice. That tribunal held, further, that even if Neilson be restricted to the filing of his application for his date of conception and Shaffer be held to have established a conception as of March 1, 1920, Neilson was, nevertheless, entitled to the award of priority, since Shaffer was clearly lacking in diligence in reducing the invention to practice at the time Neilson filed his application and had shown no valid excuse for such lack of diligence.

The Examiners in Chief based their decision primarily on the latter ground, but also held that Neilson had established a conception of the invention prior to March 1, 1920, the date of conception claimed by Shaffer, stating that the testimony on behalf of Neilson as to his early conception is considered to be as sufficient and complete as that submitted on behalf of Shaffer as to the latter's conception about March 1, 1920.

Neither party has offered any record evidence to establish a conception as of the date claimed. Shaffer has introduced a sketch said to have been made in accordance with his disclosure shortly after March 1, 1920, but this sketch is not dated, and the date of making is fixed only by oral testimony, and satisfactory corroboration is wanting. The testimony on behalf of Neilson is altogether oral and to some extent, at least, contradictory.

It is not necessary, however, to hold that Neilson has established a conception of the invention prior to that of Shaffer, for taking the view most favorable to Shaffer—namely, that Neilson is entitled to no date of conception of the invention prior to the filing of his application and that Shaffer has established a conception of the invention about March 1, 1920, and reduction to practice about July 25, 1920—the latter was lacking in diligence at the time Neilson filed his application and subsequently thereto.

The record clearly shows that Shaffer did nothing toward reducing the invention to practice from the time of his alleged conception until some time

after Neilson's application was filed. The reason for his inaction is stated by Ernest J. Shaffer, the applicant, as follows:

X-Q. 47. How did you come to take this question up in July, 1920, in connection with the making of the device that you state is shown in your Exhibit 6?

A. Well, as I stated before, we had had some trouble with the dumping of these slips from the barrel and I had taken it up with the rest of the firm and I had also explained to Neilson that we were having trouble with the dumping of these slips and naturally we were wanting to overcome it as much as anybody would in anything they were manufacturing. If it was not satisfactory, we were in the business to make it right.

X-Q. 50. (Continuing.) Just a moment—I had not quite finished: did these considerations continue to exist from March the first, 1920 on up to July 24th, 1920?

A. Well, they didn't exist in all cases, and that is very easily proven by the number of sockets we had out at that time without any locking device which was proving entirely satisfactory to people that were using them, but in some cases we had trouble, but as I said before, we did not have trouble enough at that time to feel that we should go to the expense of changing all these slips and replacing them which afterwards we—when we found a set of old slips, we replaced them and made them good, and, as I said before, by some mechanical error, in some way our tapers had been changed on our barrels and our taper was not changed on our barrel or our slips until after, or right at the same time, as we put the lug on the slip and we put it on in June.

George W. Shaffer, who is the brother of the applicant and associated with him in business, testifies with reference to this as follows:

Q. 48. Do you know why no steps were taken immediately to produce the new design or slip as sketched by Ernest Shaffer?

A. We had a great number of sockets on the market and if we would make a radical change which would interfere with the slips interchanging with the different barrels that we had out and also the different subs we had out, it would be done at heavy expense because it would be necessary for us to replace all the previous sockets that we had on the market. This, we hesitated to do on that account.

X-Q. 148. Mr. Shaffer, you have explained, I believe, that for business reasons the manufacture of this slip was not taken up promptly after Mr. E. J. Shaffer conceived the idea of utilizing lugs for the purpose of preventing dumping of the slips; I say, I believe you explained that, did you not?

A. I did.

X-Q. 149. Will you kindly give us a little further idea as to just what that business reason was?

A. I stated that there were so many sockets on the market that if we made any radical changes in the general texture of our sockets, that it would be necessary for us to change or take back all of the sockets that we had on the market in order to protect our customers.

X-Q. 152. What would you have felt that you had to do if you had made this change promptly after Mr. Ernest J. Shaffer conceived the invention?

A. We had not worked out the mechanical details as to how this lug would be applied and consequently didn't know if it would change the texture of our entire socket.

X-Q. 155. So that it really only required the making of the slip shown in the drawing, Shaffer's Exhibit 3, and the putting of that slip into your old barrel.

A. It ultimately resulted that we carried it out mechanically but there was a question in our minds about the advisability of it until we knew how extensive it would be with regard to the slips dumping and we decided to leave well enough alone and did until such an extent as it was hurting our business.

X-Q. 156. There was no reason then, as I take it, why that slip should not have been manufactured and demonstrated to your satisfaction at that time, was there?

A. None other than E. J. Shaffer didn't give us instructions to go ahead with it.

While the reasons above given may have justified delaying the commercial exploitation of the invention, they constitute no excuse whatever for the delay in reducing it to practice. The invention is a simple one, and it would have cost but little and have taken but little time to actually construct the device or have reduced it to practice constructively by filing an application. Instead of doing this Shaffer elected to do nothing with the invention until after Neilson had filed his application and until after, as appears from the testimony

of George W. Shaffer, he knew of what Neilson had done. (See George W. Shaffer, Qs. 91-95 and X-Qs. 113-116.)

The decision of the Examiners in Chief is affirmed.

EX PARTE STONE AND FROST.

Decided July 6, 1923.

ABANDONMENT OF APPLICATION—FAILURE TO APPEAL WITHIN YEAR AFTER FINAL REJECTION—MISUNDERSTANDING BETWEEN APPLICANT AND ATTORNEY.

Where it clearly appears that the attorney well knew the status of the case and had no intention of appealing, *Held* that the delay was not unavoidable, although there was a probable misunderstanding between the applicants and the principal attorney as to taking an appeal within the year after final rejection.

ON PETITION.

Mr. William F. Nickel for the applicants.

KINNAN, First Assistant Commissioner:

The single claim in this case was finally rejected July 2, 1921. An amendment with a substitute claim was presented June 28, 1922, by the associate attorney, but was denied entry, the case being under final rejection.

Petition to revive is now filed, May 9, 1923, with an amendment and substitute claim, and an appeal to the Examiners in Chief, the same being presented by a newly-appointed attorney.

The showing in excuse for the delay in prosecution is made in affidavits by one of the joint applicants and by the legal adviser of the applicants. According to these affidavits it was the intention of the applicants to appeal from the final rejection, and they told the legal adviser to instruct the attorney then in charge of the case to appeal. The legal adviser states he instructed the attorney to appeal; that in telephone conversations with the attorney he was told that an appeal had been taken and was unsuccessful, but admits he might have been mistaken and that the attorney may have said an appeal would be unsuccessful. Letters passing between the legal adviser and attorney between July and November, 1921, are submitted, and while one of them mentions an appeal none from the attorney refers to taking an appeal.

An explanation of the matter was requested of the attorney, and he has submitted an affidavit covering fully his actions in the prosecution. According to his explanation the attorney was of the firm opinion all along that an appeal would be unavailing and so informed the legal adviser. He suggested to the latter that personal interviews with the Examiner and arguments might result in a withdrawal of the final rejection, and told the adviser the fee necessary to employ associate counsel in Washington to proceed along the line suggested. He understood the suggestion was acceptable to the applicants and appointed an associate attorney. The associate wrote the attorney several times he was giving the matter careful attention, but that the question of invention

was very close. The associate finally prepared and submitted the amendment of June 28, 1922, which was not admitted.

While the above history shows a probable misunderstanding between the applicants and their adviser on the one hand and the principal attorney on the other as to taking an appeal within the year, it clearly appears the attorney well knew the status of the case and had no intention of appealing. There is nothing in this history that could be construed as establishing that the delay in appealing was unavoidable.

The petition must be and accordingly is denied.

EX PARTE BONNELLYCKE.

Decided April 28, 1923.

INVENTION—NEW RESULT—CHARTS FOR INDICATING SHIPS' SAILING DATA.

A chart having a set of spaces corresponding to the days of the month, on which can be indicated ships that are expected to sail on various dates, and another set on which can be indicated the dates on which the ships have sailed, and a single set of buttons for both sets of spaces, each bearing the name of a ship, the port of destination, and the usual time of passage, *Held* patentable, because there is a cooperation between the particular button used by applicant, with its specified designations, and the chart itself, and because no apparatus capable of accomplishing applicant's purpose was shown, although it was old to indicate on a chart movement of carriers which had already taken place.

(Note.—This application has resulted in Patent No. 1,458,264, June 12, 1923.)

APPEAL from the Examiners in Chief.

Mr. Emil Bonnellycke pro se.

KINNAN, First Assistant Commissioner:

Applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner, finally rejecting the claims of this application, two in number, of which claim 1 is illustrative:

1. The combination of a chart having thereon two separate sets of definite spaces which are numbered in counterpart to indicate the chronological order of ships' sailings, the first set indicating the ships scheduled to depart and the second set indicating departed ships; and a plurality of indicating devices, each bearing the name of a ship and its average time of voyage, adapted to be initially positioned in the spaces of the first set according to the chronological sailing schedule of the ships to which they relate, and to be successively transferred therefrom to the correspondingly-numbered spaces of the second set as said ships depart.

The references cited are: Odell, 407,548, July 23, 1889; Symonds, 771,335, October 24, 1904.

The claims relate to an arrangement for indicating on a chart the dates on which certain ships are scheduled to sail from a port, the actual dates on which the ships sail, and the dates of expected arrival at the ports of destination.

In order to obtain these results, the applicant provides a chart having thereon spaces, corresponding to the days of the month, on which can be indicated the ships that are expected to sail on various dates, and there is also another set of spaces, corresponding to the days of the month, on which can be indicated the ships that have sailed. Indicating buttons are provided to be put

In these spaces, which buttons bear the name of the ship, the port of destination, and the usual time of passage. These buttons are, just before the beginning of any particular month, placed in the various spaces indicating the days upon which the ships are to sail during that month, and when a ship has sailed the corresponding button representing it is transferred to the other series of spaces and placed in the space corresponding to the date of sailing. By this scheme one can tell at a glance on what days the various ships are to sail and have sailed and, by adding the numeral on the button to the date of sailing, can ascertain the date on which the ship is expected to arrive at its port of destination.

The chart also includes what is referred to as a geographical indicating space showing an outline of the map of the country from which the ships sail and a portion of the ocean. A button corresponding to that placed in the space indicating that the ship has sailed is placed in this space, so that a glance at the chart will show what ships are in transit. This latter feature is included in the second, but not in the first claim.

The data relating to the expected sailing of the ships and the time which these ships ordinarily take in making a trip from the port of departure to the port of destination can be ascertained from the publications in the newspapers and from the steamship companies, and obviously this data could be and probably often is tabulated in convenient manner for ready-reference purposes.

It is admittedly old, as shown by the references, to indicate on a chart the shifting location of various objects from day to day. No one, however, has attempted, as has applicant, to provide devices whereby the information obtained from the publications or from the shipping companies can be correlated in such a way as to simultaneously indicate in a shiftable form, so as to be kept at all times up to date, not only the proposed and actual sailings of the ships, but their destinations and expected dates of arrival. These latter results are accomplished in applicant's device by reason of the fact that the chart will indicate the day of departure, and the button the name of the ship, its port of destination and the time to be ordinarily occupied in the passage of the ship.

The references show only that it was old to indicate on a chart movement of carriers which had already taken place. No apparatus capable of accomplishing the purposes had in view by applicant is shown to be old, and it is not thought the devices of the patents cited would suggest such apparatus as applicant has devised. There is a cooperation between the particular button used by applicant, containing its specified designations, and the chart itself. It is therefore thought that applicant has made an invention and that it is properly defined by the appealed claims.

The decision of the Examiners in Chief is reversed.

EX PARTE SWEETLAND.

Decided October 2, 1924.

AMENDMENTS AFTER FINAL REJECTION—RESPONSE WITHIN THE YEAR FOLLOWED BY AMENDMENT WITHIN THE YEAR ADDING NEW CLAIMS.

Where the applicant made a complete response within the year from a final rejection and placed the case in condition for allowance, a subsequent attempt, also within the year, to reopen the prosecution through an unwarranted amendment should have been denied and the application as previously amended passed for issue.

ON PETITION.

Mr. William P. Hammond for the applicant.

KINNAN, First Assistant Commissioner:

Petition is taken that the Primary Examiner be directed to withdraw his holding of abandonment and pass the case to issue on the amendment of May 31, 1924.

The record shows that on June 15, 1923, the Examiner finally rejected claim 3 and stated the remaining claims stood allowed. On April 30, 1924, an amendment was filed cancelling claim 3. On May 14 the Examiner called attention to required changes in the drawing, agreed to by applicant in 1921, and required they be promptly made. On May 31, an amendment was filed comprising a new drawing and changes in the specification. This was followed, on June 2, by another amendment adding claims 5 and 6, with an argument as to their patentability, but with no showing under rule 68 as to why said claims were not earlier presented. On June 21, the Examiner notified the applicant that the amendment of May 31 was by itself a proper and complete response, but as supplemented and added to by the proposed amendment of June 2, it was not such a response as the condition of the case required; that the supplemental amendment had not been entered, not being supported by a showing under rule 68, and that the application was abandoned.

In support of the instant petition it is now contended that the Examiner should have refused entry of the amendment of June 2, a proceeding the applicant consented to in a communication filed July 3, 1924, and passed the case for issue. The case of *Ex parte Schowalter*, 21 Gourlek p. 74, September 11, 1909, is urged as showing facts very similar to those in evidence here and supporting applicant's contention.

The decision approves the course urged here for the Examiner to have taken; but the facts in the Schowalter case differ from those in this case in one particular—viz, that the amendment presenting the additional claim was filed after the year for amendment had passed.

The Examiner in support of his holding cites *Ex parte Hodge*, 173 O. G. 1079; 1911 C. D. 244, and *Ex parte Dietrick*, 174 O. G. 829; 1912 C. D. 11. In each of these cases the amendment cancelling the finally-rejected claim or claims and substituting another or others comprised but a single paper, and in the first decision it was pointed out

that an amendment could not be entered in part. In both these cases it was adjudged abandonment had occurred.

Perhaps a case more analogous in conditions is found in *Ex parte Bach*, 118 O. G. 1363; 1905 C. D. 383, wherein on the last day of the year following a final rejection the applicant filed an amendment, which the Examiner ruled could not be entered, and also an appeal from the final rejection. The decision states the Examiner should have refused to enter the amendment and answered the appeal.

A course similar to this should have been followed by the Examiner in the instant case. The applicant having made a complete response within the year from the final rejection and placed the case in condition for allowance, the subsequent attempt to reopen the prosecution through an unwarranted amendment should have been denied and the application, as amended May 31, 1924, passed for issue.

The petition is granted.

STATE OIL COMPANY v. THE HICKOK PRODUCING COMPANY.

Decided December 28, 1923.

1. TRADE-MARKS—INTERFERENCE—APPLICATION UNDER ACT OF 1920 AND REGISTRATION UNDER ACT OF 1905—MOTION TO DISSOLVE—AMENDMENT TO BRING APPLICATION UNDER ACT OF 1905.

Where an interference was declared between an application for registration under the act of 1920 and a registration under the act of 1905, and the applicant, in his brief in opposition to a motion to dissolve which was based in part on the ground that no interference could be declared involving an application under the act of 1920, stated that he would subsequently file an amendment to bring his application under the act of 1905, Held that he should have accompanied the brief by the proposed amendment.

2. SAME—SAME—SAME—SAME—SAME.

Under the foregoing circumstances the Examiner of Trade-Marks should have set a time, before considering the motion, within which the amendment must be filed.

3. SAME—SAME—SAME—SAME—SAME.

Where, under the foregoing circumstances, the motion to dissolve was denied and priority was afterward awarded to registrant, an appeal by applicant to the Commissioner was dismissed and the interference was dissolved, but on petition by the applicant that an amendment previously filed in its application to bring it under the act of 1905 be entered and further considered, the amendment was entered and decision rendered on the question raised on the appeal.

4. SAME—TRADE-MARK USE—USE ON LUBRICATING OILS DOES NOT ENTITLE USER TO REGISTER MARK ON GASOLINE.

Even if gasoline and lubricating oils be regarded as goods of the same descriptive properties an earlier use of the mark on lubricating oils and greases would not entitle the applicant to register that mark on gasoline, goods on which it had never shown any use of the mark.

ON PETITION.

Mr. Edward L. Reed for State Oil Company.

Mr. George E. Kirk for The Hickok Producing Company.

FENNING, Assistant Commissioner:

This case is before me on a petition by the State Oil Company that an amendment heretofore filed

in its application to bring it under the act of February 20, 1905, be entered and that the case be further considered on the record and decided on the merits.

It appears that the State Oil Company filed an application for registration, under the act of 1920, of "High Speed" as a trade-mark for gasoline and lubricating oils and greases; that its application was placed in interference with the registration No. 131,906, under the act of 1905, of The Hickok Producing Company of "Hi-Speed" as a trade-mark for gasoline; that a motion to dissolve was made on the ground that no interference could be declared involving an application under the act of 1920 and rule 46 of the trade-mark rules; that accompanying the brief on behalf of the State Oil Company in opposition to this motion was a statement "that the application will, at the proper time, be amended to bring it within the provisions of that act (the act of 1905);" that the motion to dissolve was denied by the Examiner of Trade-Marks on the ground that rule 46 was promulgated after the declaration of the interference, and therefore should not be applied in this case, especially as much expense had been incurred in prosecuting the interference and the question raised on the motion "can be settled at final hearing;" that thereafter a motion to amend the application was made, which was denied by the Examiner of Interferences on the ground that no reason was perceived why the determination of applicant's "right of registration" may not properly be determined at final hearing; and that the entry of the proposed amendment can be made after the prosecution of the opposition.

Thereafter, the Examiner of Interferences rendered a decision holding that The Hickok Producing Company had established, by the testimony which was taken in a prior interference and introduced into this interference on motion, that it had used the mark "Hi-Speed" on gasoline since January, 1914; that the applicant had established the use of the mark "High Speed" on oils and greases, and that under the decision in *Ex parte Red Seal Oil Co.*, 119 MS. Dec. 9; 6 T. M. Rep. 447, oils and greases were not of the same descriptive properties as gasoline, and therefore the applicant, State Oil Company, was entitled to register as to the former, but that it had not shown any use of the mark on gasoline prior to the date proved by the registrant and was therefore not entitled to register the mark shown in its application for gasoline. He further held that the question involved in this interference was not res adjudicata by reason of the decision in interference No. 45,524, involving the present registrant and the Refiners Oil Company, since, while the party King was admittedly a majority stockholder in both the State Oil Company and the Refiners Oil Company, they were different corporations in which there were other stockholders with individual interests, and there was no such showing of identity or privity of interests between the corporations as would support a judgment on the plea of res adjudicata.

The State Oil Company appealed from that decision, but The Hickok Producing Company did not.

In a decision rendered July 25, 1923, I dismissed the appeal and dissolved the interference on the ground that the act of 1920 did not provide for interferences, and this Office was therefore without jurisdiction to determine, and had no right to declare, an interference with respect to an application for registration of a trade-mark under the act of 1920.

In the notice setting the present petition for hearing it was stated that if the petition be granted decision on the question raised by the appeal will be rendered at the same time.

The Hickok Producing Company opposes the admission of the amendment; but no reason is seen why it should not be admitted if the mark is in fact not "merely descriptive." If the petition is not granted and a new application is filed under the act of 1905 and the mark be not regarded as descriptive, the application would have to be allowed subject to a new interference between the application and the registration of The Hickok Producing Company, since the decision dismissing the appeal for lack of jurisdiction would not render the question of the applicant's right to register res adjudicata.

While the mark is undoubtedly suggestive, especially as applied to lubricating oils and greases, I doubt whether it is more than suggestive as applied to gasoline. In view of the fact that this Office registered "Hi-Speed" for gasoline and declared the present interference, and the parties have been to the expense of taking testimony in that interference, it is thought that any doubt as to the descriptiveness of these marks should be waived in favor of the applicant.

[1,2] Obviously the attorney for the State Oil Company when he filed his brief before the Examiner of Trade-Marks in opposition to the motion to dissolve should have accompanied it by the proposed amendment, and not merely stated that the amendment would subsequently be filed; but notwithstanding that this was not done the Examiner of Trade-Marks, in view of the statement that the amendment would be filed at some subsequent time, should have set a time, before considering the motion, within which the amendment must be filed if it was to be considered at all, so that the other party might have had an opportunity to oppose the admission, if it was deemed advisable.

[3] The amendment will therefore be entered and decision rendered on the question raised on the appeal.

The State Oil Company contends that the Examiner of Interferences was in error in holding that The Hickok Producing Company had established a use of the mark as early as January, 1914; but a careful reading of the testimony shows that such use has been established. However, it is immaterial to the question here involved, for

the reasons hereinafter pointed out, whether The Hickok Producing Company is entitled to as early a date as this or not.

The Examiner of Interferences held that the State Oil Company was entitled to register its mark as applied to lubricating oils and greases, and no appeal has been taken from that decision. The only question before me, therefore, is its right to register the mark as applied to gasoline.

There is not one word in this record to show that the State Oil Company ever applied the mark "High Speed" to gasoline at any time prior to the filing of its application, much less at a time prior to the filing of the application of The Hickok Producing Company, or to January, 1914, the date of use established by that company of its mark on gasoline.

The State Oil Company contends that the ruling that gasoline and lubricating oils are not goods of the same descriptive properties was erroneous and has in fact been overruled by subsequent decisions by the Court of Appeals of the District of Columbia.

[4] Whether this contention is right or not need not now be considered. Even if they be regarded as goods of the same descriptive properties an earlier use of the mark on lubricating oils and greases would not entitle the State Oil Company to register that mark on gasoline, goods on which it had never shown any use of the mark.

This is an interference, while the decisions cited by the State Oil Company relate to oppositions in which the user of a mark on a certain class of goods has opposed the registration by another of that mark or one substantially identical therewith on an allied class of goods. It is clear, however, that in order to be able to register its mark for gasoline the State Oil Company must have shown a use of the mark on gasoline prior to its application.

There is some general testimony in the record as to the use of the mark "High Speed" on the products sold by the State Oil Company; but the witnesses do not testify that the mark was applied to the containers in which gasoline was handled, and all the documentary evidence offered relates to the use of this mark on lubricating oils and greases.

No holding, therefore, is made as to the question whether lubricating oils and greases are of the same descriptive properties as gasoline or not, but it is held that the State Oil Company, not having shown any use of the words "High Speed" as a trade-mark for gasoline in commerce, much less in interstate commerce, prior to its application, is not entitled to register that mark for such goods.

The petition is granted, and it is directed that the amendment be entered, and it is held that on the application as so amended the State Oil Company is not entitled to register the mark shown therein for gasoline.

Since The Hickok Producing Company has registered its mark and this is not a cancellation procedure, no opinion is expressed as to the right of that company to a registration of the mark for gasoline.

The decision of the Examiner of Interferences holding that the State Oil Company is not entitled to such registration is affirmed.

HAZARD v. TEFFT.

Decided January 10, 1923.

INTERFERENCE—REISSUE APPLICATION—ESTOPPEL—ABANDONMENT.

Where T., the senior party, canceled claims from his original application and obtained a patent, and then after H.'s patent issued T. applied for reissue and copied for interference a claim of H.'s patent which covered the same elements as one of the claims canceled from T.'s original application and differed therefrom only in unimportant particulars, and where T. in his reissue application made oath that the claim which he copied was of substantially the same scope as the claim which he had canceled, priority was awarded to T. as the first inventor, but the Primary Examiner was directed to reject T.'s copied claim after the termination of the interference on the grounds that he was estopped to make the claim in the reissue and that he had abandoned to the public the invention covered thereby.

APPEAL from the Examiners in Chief.

Mr. A. S. Pattison for Hazard.

Messrs. Heard, Smith & Tennant for Tefft.

FENNING, Assistant Commissioner:

This is an appeal by Hazard from a decision of the Examiners in Chief awarding priority to Tefft.

Hazard, the junior party, is a patentee, and Tefft is an applicant for the reissue of a patent. The application of Hazard and the original application of Tefft were copending in the Patent Office for a period of about six months.

After the preliminary statements had been filed the Examiner of Interferences issued an order against Hazard to show cause why judgment on the record should not be entered against him. Hazard responded with a motion to dissolve, based on the ground, among others, that Tefft having deliberately canceled a claim from his original application which, it is stated, is substantially the same as the claim of his reissue application which is now included in the interference, he is estopped to make the claim in the reissue application.

Hazard's motion to dissolve was granted by the Law Examiner; but on appeal his decision was reversed by the Examiners in Chief, who held that the claim forming the issue and the claim which was canceled from Tefft's original application are not directed to identical subject matter.

Shortly after this decision interference proceedings were resumed and priority was rendered in favor of Tefft, the senior party. On appeal to the Examiners in Chief by Hazard the decision of the Examiner of Interferences was affirmed. The present appeal by Hazard is taken from this decision.

Comparison of claim 1 of Tefft's original application and claim 3 of his reissue application

leaves no doubt that they are identical in substance. The same elements are set forth in each claim. The differences pointed out are unimportant and in view of the decisions cited by Hazard do not justify the introduction of the interfering claim in Tefft's reissue application. This view of the case is fortified by the oath which accompanies the reissue application, in which applicant swears that claim 4 of Hazard's patent is of "substantially the same scope" as claim 1 of Tefft's original application. In the case of *Robert et al. v. Kremenitz*, 243 Fed. 877, cited by Tefft, the decision distinctly points out that the claim of the reissue was for another and different part (the comb-engaging means or lip) from that which was claimed and abandoned in the original application.

Hazard also claims that because the Office failed to suggest Tefft's claim 3 to him while the original applications were pending the Office should now apply a liberal interpretation of the law in his favor. The same situation arose in *Gregory, Jackson and Connet v. Ledoux*, 1915 C. D. 11, wherein the Commissioner held that the alleged mistake on the part of the Office was not an inadvertence, accident, or mistake on the part of Ledoux.

Since the record shows that Tefft is the first inventor, the decision of the Examiners in Chief awarding priority to Tefft is affirmed.

The Primary Examiner is directed to reject claim 3 of Tefft's reissue application after the termination of the interference on the grounds that he is estopped to make the claim in the reissue and has abandoned the invention covered thereby to the public, for the reasons stated herein.

INTERWOVEN STOCKING COMPANY v. DAVID HARRIS & EISNER.

Decided May 17, 1924.

1. TRADE-MARKS—CANCELLATION—SIMILARITY OF MARKS—ACT OF 1920.

The "exclusive use" of section 2 of the Trade-Mark Act of 1920, which section relates to cancellation of registrations, is not limited to marks which are identical with that registered, but includes similar marks which may be held to colorably imitate the mark.

2. SAME—SAME—DESCRIPTIVE MARK—ACTS OF 1905 AND 1920.

Where petitioner used its mark on the same class of goods for years prior to any date alleged by registrant and is clearly entitled to use it, Held that if the two marks are sufficiently similar to cause probable confusion in the trade the registration must be canceled, and a holding of descriptiveness is immaterial to the cancellation proceeding, although the registrant's certificate was obtained under the act of 1920 and the petitioner's under the act of 1905.

3. SAME—DECEPTIVE SIMILARITY—"BETTERWOVEN"—"INTERWOVEN."

Although there is no identity between the marks, yet there is similarity in sound, appearance, and meaning, and in view of this the registration should be canceled.

APPEAL from Examiner of Interferences.

Mr. Louis Prevost Whitaker for Interwoven Stocking Company.

Messrs. Mason, Fenwick & Lawrence for David Harris & Eisner.

FENNING, Assistant Commissioner:

David Harris & Elsner appeal from the action of the Examiner of Interferences sustaining a petition to cancel their trade-mark "Betterwoven," registered November 1, 1921, No. 147,854, under the act of March 19, 1920.

Petitioner for cancellation has sold stockings, the goods of the certificate of registration, under the name "Interwoven" for years prior to any date alleged by registrant. This mark was registered February 20, 1906, No. 49,830.

[1] Section 2 of the act of March 19, 1920, provides, that a registration shall be canceled if after a hearing it appear—

that the registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration.

In order to determine what is exclusive use, we may refer to section 4 of the statute, which sets out and limits the field from which others are excluded. That section provides that any unauthorized person who shall reproduce, counterfeit, copy, or colorably imitate the mark shall be liable to an action for damages under certain circumstances. It is clear, then, that the exclusive use of section 2 is not limited to marks which are identical with that registered, but includes similar marks which may be held to colorably imitate the mark. As pointed out in *Macy & Co. v. The Macey Company, Inc.*, 1922 C. D. 2; 295 O. G. 463, section 2 of the 1920 act inhibits the registration of a mark so nearly identical with the mark of another as to be likely to cause confusion or mistake in the minds of the public or to deceive purchasers. If such a mark gets upon the register, it may be canceled in a proper proceeding.

Registrant here urges and insists that its mark is descriptive of the goods within the inhibition of section 5 of the act of 1905, and that therefore it is registrable under the act of 1920. Registrant likewise urges that petitioner's mark is descriptive of the goods.

[2] I am unable to see that a holding of descriptiveness is material to the present proceeding. If the two marks are sufficiently similar to cause probable confusion in the trade, the registration must be canceled, else the registration will give registrant the right to exclude petitioner from the use of its mark. Petitioner, however, is clearly entitled to use its mark in the way it has used it for upward of 15 years past.

[3] The substantial issue, therefore, in this case is the similarity of the marks. Admittedly there is no identity between the marks, but there is similarity in sound, appearance, and meaning. Each consists of four syllables. Three syllables are identical. The meaning left in the mind with either mark is of superiority or excellence in the manufacture of the goods. In view of this I have no hesitancy in finding that the registration should be canceled.

The Examiner of Interferences is affirmed.

SAWYER BISCUIT COMPANY v. ROBERT A. JOHNSTON CO.

Decided June 2, 1924.

1. TRADE-MARKS—OPPOSITION—USE OF THE MARK IN INTERSTATE COMMERCE—PROOF OF—"SMILAX."

Where the testimony produced on behalf of the opposer to show use of the mark did not include any dated bills of sale or other material of the type usually produced to show use in interstate commerce, but the depositions contained no objections and no suggestions that the statements of the parties were not sufficient to prove the facts, Held that opposer had proved use.

2. SAME—SAME—TRADE-MARK USE OF THE MARK.

Where the biscuit made by opposer is called "Crispo Slimax," and "Crispo" is registered as a trade-mark and is regularly applied to most of its goods, frequently in addition to another mark, such as "Smilax," but opposer sometimes ships its goods in large tin containers, and in such instances applies to the container simply a label on which appears nothing but "Smilax," Held that this is a sufficient showing of a trade-mark use. (*The Touraine Company v. F. B. Washburn & Co.* distinguished.)

APPEAL from Examiner of Interferences.

Mr. Francis L. Daily and Mr. John W. McCarthy for Sawyer Biscuit Company.

Mr. Edward H. Merritt for Robert A. Johnston Co.

FENNING, Assistant Commissioner:

[1] Johnston Co. appeals from the action of the Examiner of Interferences sustaining an opposition brought by the Sawyer Biscuit Company against its application to register "Smilax" as a trade mark for sweet biscuit. The testimony produced on behalf of the Sawyer Company to show use of the mark does not include any dated bills of sale or other material of the type usually produced to show use in interstate commerce. The depositions, however, contain no objections and no suggestions that the statements of the parties are not sufficient to prove the facts. In view of this it must be held that the Sawyer Company has proved use since 1914. The biscuit made by it is marked "Crispo Smilax." It appears that "Crispo" is registered as a trade-mark and is regularly applied to most of its goods, frequently in addition to another mark, such as "Smilax." Applicant insists that this shows failure of the use of the mark as a trade-mark. It is insisted that the mark is merely a descriptive grade mark.

I am unable to so hold under the present circumstances. It is well known that in the biscuit trade two marks are not infrequent on a single article. We can take judicial notice of the fact, for instance, that the National Biscuit Company places upon substantially all of its goods its well-known characteristic "In-Er-Seal" mark, although each package carries another mark. No one would presume to say "Unecda" is not a trade-mark, although it is used on the same package with the "In-Er-Seal" mark. *Ohio Co. v. National Co.*, 127 Fed. 116; *National Co. v. Ohio Co.*, 127 Fed. 160.

[2] It appears, however, in the present case that opposer sometimes ships its goods in large tin

containers and in such instances applies to the container simply the label, Exhibit No. 2, on which appears nothing but "Smilax." Certainly this is a sufficient showing of trade-mark use.

Applicant emphasizes and relies chiefly upon *The Touraine Company v. F. B. Washburn & Co.*, 286 Fed. 1020; 309 O. G. 676; 1923 C. D. 174. In that case, however, the court found that opposer by its long delay had clearly indicated that it did not consider its mark a trade-mark and also that no damage could be presumed. In the present case opposer has promptly asserted its right, showing that it believes it has a trade-mark and it is beyond experience to assume that purchasers entering a store and seeing on a can opposer's Exhibit No. 2 reading "Smilax" will not expect to find inside the package biscuits of applicant which bear simply the mark "Smilax." Such confusion of goods shows sufficient probability of damage.

The opposition is sustained.

The Examiner of Interferences is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

879,532, L. de Forest, Space telegraphy, suit filed Sept. 27, 1924, D. C., E. D. Pa., Doc. 3141, *De Forest Radio Telephone & Telegraph Co. v. Westinghouse Electric & Mfg. Co.* Same, Doc. 3143, *De Forest Radio Telephone & Telegraph Co. v. Westinghouse Lamp Co.*

1,108,184, T. Kerner, Garbage and refuse incinerator, suit filed Oct. 30, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1306, *Kerner Incinerator Co. v. Townsend Estates, Inc., et al.*

1,121,097, M. W. Hazen, Ribbon mechanism; Re. 14,495, E. G. Latta, Typewriting machine, suit filed Oct. 28, 1924, D. C., W. D. Mich. (S. Div.), Doc. 2021, *Corona Typewriter Co., Inc., v. E. Rodenhouse et al.*

1,175,611, G. S. Cox, Hair cloth fabric and process of making same, suit filed Oct. 20, 1924, D. C., E. D. Pa., Doc. 3161, *G. S. Cox v. J. J. Scheiter et al.*

1,190,615, H. P. Willis, Plastic composition; 1,328,310, same, Asphaltic pavements and foundation for pavements, suit filed Oct. 28, 1924, D. C., W. D. N. Y., Doc. 735-D, *American Willite Co. et al. v. Rochester Vulcanite Paving Co.* Same, Doc. 736-D, *American Willite Co. et al. v. Whitmore, Rauber & Vicinus, Inc.*

1,191,306, T. A. Hoover, Bumper for vehicles; 1,221,800, same, Auto bumper, suit filed Oct. 25, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1353, *American Chain Co., Inc., v. B. F. Bowman (Bowman Spring Co.)*.

1,198,090, 1,198,091, T. L. White, Transmission band, suit filed Oct. 17, 1924, D. C., E. D. Pa., Doc. 3159, *Gemco Mfg. Co. v. American Auto Accessories Co.*

1,198,091. (See 1,198,090.)

1,221,800. (See 1,191,306.)

1,224,253, Wiley, Wiley & Hough, Jr., Illuminated sign, suit filed Oct. 27, 1924, D. C., W. D. N. Y., Doc. 734-D, *Federal Electric Co. et al. v. Flexlume Corp.*

1,229,102. (See 1,277,229.)

1,277,229, B. E. Lloyd, Sounding device for dolls; 1,229,102, same, Talking doll, final consent decree sustaining patents, adjudging infringement, and granting injunction filed Oct. 29, 1924, D. C., S. D. N. Y., Doc. E 23/248, *B. E. Lloyd et al. v. B. E. Fleischaker et al.*

1,328,310. (See 1,190,615.)

1,329,656, A. H. Fargo, Insulator; 1,429,369, W. Morrill, Attaching device, suit filed Oct. 30, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1304, *Porcelain Appliance Corp. v. Trenle Porcelain Co.*

1,387,245, F. J. Dowling, Lock, interlocutory decree sustaining patent, adjudging infringement upon all claims, and perpetually enjoining defendant (notice dated Oct. 29, 1924), D. C., S. D. N. Y., Doc. E 29/217, *Segal Lock & Hardware Co. v. Allan Lock Co.*

1,404,568, A. H. Blackburn, Furnace, suit filed Sept. 15, 1924, D. C., E. D. Pa., Doc. 3133, *The Underfeed Stoker Co. of America v. American Engineering Co.*

1,429,369. (See 1,329,656.)

1,457,153, W. S. Elliott, Water heating and degasifying apparatus; 1,497,491, same, Method of treating liquids and apparatus therefor; Re. 15,868, same, Treatment of liquids; 1,463,158, R. N. Ehrhart, System for removing air and gases from water, suit filed Oct. 22, 1924, D. C., E. D. Pa., Doc. 3163, *Elliott Co. v. H. S. B. W. Cochrane Corp.*

1,463,158. (See 1,457,153.)

1,464,426, H. Hemmerdinger, Rolled belt lacing, suit filed Oct. 28, 1924, D. C., S. D. N. Y., Doc. E 30/224, *H. Hemmerdinger v. The Grator & Knight Mfg. Co.*

1,491,740, T. A. Swartz, Anæsthetizing gases and the method of producing same, suit filed Oct. 2, 1924, D. C., E. D. Pa., Doc. 3147, *S. S. White Dental Mfg. Co. v. L. G. Caulk Dental Depot, Inc.*

1,497,491. (See 1,457,153.)

1,500,026, E. Mendelsohn, Method of treating silk stockings, suit filed Sept. 30, 1924, D. C., E. D. Pa., Doc. 3145, *Carpenter Chemical Co. v. Lansdale Silk Hosiery Co., Inc.*

1,501,032, M. Abrahams, Acoustic horn, suit filed Oct. 28, 1924, D. C., S. D. N. Y., Doc. E 30/221, *M. Abrahams v. Manhattan Electrical Supply Co.*

1,507,711, Pollock & Horn, Process of making plastic articles, suits filed Oct. 28, 1924, D. C., S. D. N. Y., Doc. E 30/222, *Inter Ocean Radio Corp. v. L. Milsky (National Radio Outlet Co.)*. Same, Doc. E 30/223, *Inter Ocean Radio Corp. v. Dual Loud Speaker Co., Inc.* Same, suit filed Oct. 29, 1924, D. C., S. D. N. Y., Doc. E 30/230, *Inter Ocean Radio Corp. v. Perfector Radio Corp.*

T. M. 22,406, The Coca Cola Co., Tonic, sirup, etc., final decree Oct. 23, 1924, enjoining defendants

from using or employing in connection with the advertisement, offering for sale, or sale of any beverage or ingredient thereof the word "Okla-Cola," D. C., W. D. Okla., Doc. E 622, *The Coca Cola Co. v. Consumers Bottling Co.*

T. M. 47,189, *The Coca Cola Co.* Nutrient or tonic beverage, suit filed Oct. 23, 1924, D. C., W. D. Okla., Doc. E 681, *The Coca Cola Co. v. Johnson & Johnson (Western Extract & Mfg. Co.)*. Final decree Oct. 23, 1924, enjoining defendants from using or employing in connection with advertisement, offering for sale, or sale of any beverage or ingredient thereof the word "Okla-Cola."

Re. 14,495. (See 1,121,097.)

Re. 15,866. (See 1,457,153.)

Interference Notices.

U. S. PATENT OFFICE, Washington, Nov. 8, 1924.

Gilbert Toilet Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between William P. Plato, 317 West Berks Street, Philadelphia, Pa., for registration of a trade-mark and trade-mark registered May 19, 1914, No. 97,135, to Gilbert Toilet Company, Beatrice, Nebr., and a notice of such declaration sent by registered mail to said Gilbert Toilet Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Gilbert Toilet Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 12, 1924.

The heirs, assigns, or legal representatives of Henry Mauss, deceased, take notice:

An interference has been declared by this Office between the application of Nicholas Theodore, 10307 Superior Street, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered May 19, 1908, No. 69,046, to Henry Mauss, 355-357 Twelfth Street, New York, N. Y. It appearing from the record that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of Henry Mauss, deceased, that if they or any of them desire to contest the said interference proceeding they should immediately put themselves in communication with the Commissioner of Patents. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. If no appearance shall have been entered at the expiration of the period of publication, the interference will proceed as in case of default.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

Lady Fair Gown Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between Frank Schneider, 118 Madison Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered December 21, 1920, No. 138,283, to Lady Fair Gown Co., 1029 South Wabash Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Lady Fair Gown Co. at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Lady Fair Gown Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

The Longwood Laboratories, Incorporated, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Roy L. Schrader, 4620* Adelaide Street, St. Louis, Mo., and George Stelisch, 4007 Southport Avenue, Chicago, Ill., for registrations of trade-marks and trade-mark registered May 8, 1917, No. 116,534, to

The Longwood Laboratories, Incorporated, Kingston, N. Y., and a notice of such declaration sent by registered mail to The Longwood Laboratories, Incorporated, at the said address having been returned by the post office as undeliverable, notice is hereby given that unless The Longwood Laboratories, Incorporated, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 18, 1924.

Seattle Pure Food Co. Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of North Pacific Co-Operative Berry Growers, Bell Street Dock, Seattle, Wash., for registration of a trade-mark and trade-mark registered January 15, 1907, No. 69,797, to Seattle Pure Food Co. Inc., Eighth Avenue south and Snoqualmie Street, Seattle, Wash., and a notice of such declaration sent by registered mail to said Seattle Pure Food Co. Inc. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Seattle Pure Food Co. Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 18, 1924.

Wolf Process Leather Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. Trautman & Company, 614 Main Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered April 17, 1906, No. 51,480, to Wolf Process Leather Company, Summerdale (Philadelphia), Pa., and a notice of such declaration sent by registered mail to said Wolf Process Leather Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Wolf Process Leather Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 18, 1924.

Beinhauer Bros. Candy Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hagemeister Food Products Co., Green Bay, Wis., for registration of a trade-mark and trade-mark registered May 4, 1920, No. 131,035, to Beinhauer Bros. Candy Co., 220 West Forty-second Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Beinhauer Bros. Candy Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Beinhauer Bros. Candy Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

Notice of Cancellation.

U. S. PATENT OFFICE, Washington, Nov. 12, 1924.

Water Power Vacuum Cleaner Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of M. S. Wright Company, of Worcester, Mass., to effect the cancellation of the trade-mark registration of Water Power Vacuum Cleaner Company, of 728-732 Main Street, Buffalo, N. Y., No. 84,556, dated December 19, 1911, and the notice of such proceeding sent by registered mail to the said Water Power Vacuum Cleaner Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Water Power Vacuum Cleaner Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will proceed as by default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 2, 1924.

[Vol. 329. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 148,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY PACKING COMPANY, Chicago, Ill. Filed June 6, 1921.

PUREPACK

Particular description of goods.—Potted Meat Products, Potted Meat By-Products and Cereal, Deviled Meat Products, Hamburger Steak and Onions with Pork and Cereal Added, Sliced Beef, Corned-Beef Hash, Vienna-Style Sausage, Roast Beef, Veal Loaf and Meat Products, Cooked Brains with Whole Milk, Pork Brains with Whole Milk and Cereal, Lunch Tongues, Tripe Prepared with Whole Milk; Sausage Meat and Meat Products Cereal Added, Chili Con Carne with Beans, Compressed Cooked Corned Beef, Cooked Oxtongues, Pork and Beans with Tomato Sauce, Deviled Meat By-Products and Cereal, Roast Mutton, Lamb Tongues, and Deviled Meat Products and Cereal.

Claim use since August, 1919.

Ser. No. 158,783. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE F. E. MYERS & BRO. CO., Ashland, Ohio. Filed Feb. 2, 1922.

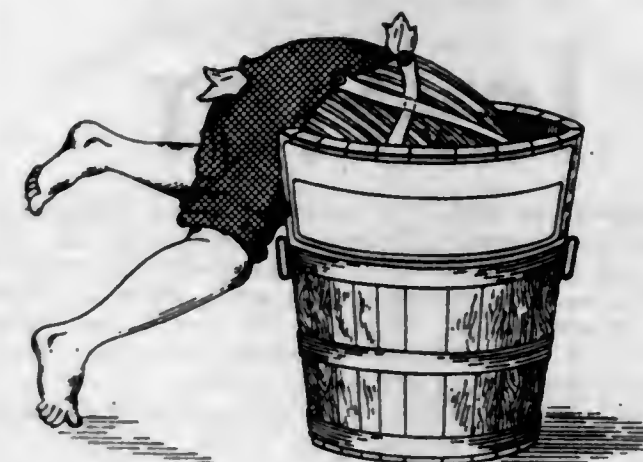
**O.K.
UNLOADER**

No claim is made to the word "Unloader" apart from the mark as shown in the drawing.

Particular description of goods.—Hay Tools Consisting of Hay Carriers, Unloaders, Steel Tracks, Forks, and Pulleys.

Claims use since Apr. 1, 1902.

Ser. No. 163,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY M. GOLDBERG, doing business as Rieck-McJunkin Dairy Company, New Castle, Pa. Filed May 6, 1922.



Particular description of goods.—Ice Cream. Claims use since about Jan. 1, 1910.

Ser. No. 167,275. (CLASS 45. BEVERAGES. NON-ALCOHOLIC.) TEXO-COLA COMPANY, Houston, Tex. Filed July 22, 1922.

Texo-Cola

No claim is made to the word "Cola" apart from the mark shown in the drawing.

Particular description of goods.—Nonalcoholic, Maltless Carbonated Beverage Not of a Cereal Nature Sold as Soft Drink and Syrups for the Manufacture of the Same.

Claims use since Apr. 15, 1922.

Ser. No. 167,638. (CLASS 33. GLASSWARE.) **THE ICY-HOT BOTTLE COMPANY**, Cincinnati, Ohio, assignor to **The Icy-Hot Bottle Company**, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Bottles, Jars, Flasks, Carafes, Jugs, Pots, Pitchers, Tankards; Containers for Solid, Liquid, and Viscous Foods; Liquid-Air Containers, Fillers, Inverted Dispensing Vessels, Drinking Glasses and Vessels, Serving Glasses and Vessels, Salt Shakers, Pepper Shakers, and Dishes, Made of Glass.

Claims use since Apr. 1, 1908, on bottles, jars, flasks, containers for solid, liquid, and viscous foods; liquid-air containers and fillers; since Feb. 1, 1911, on carafes; since Jan. 1, 1913, on jugs, pots, pitchers, tankards, drinking glasses and vessels, serving glasses and vessels, salt shakers, pepper shakers, and dishes; and since July 1, 1917, on inverted dispensing vessels.

Ser. No. 167,640. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) **THE ICY-HOT BOTTLE COMPANY**, Cincinnati, Ohio, assignor to **The Icy-Hot Bottle Company**, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Napkins, Tablecloths, and Doilies of Textile Material, and Cases, Covers, Linings, and Cushions Made of Textile Materials and Used for Bottles, Jars, Carafes, Jugs, Pots, Pitchers, Tankards, Flasks, Cans, Marmits, Containers for Solid, Liquid, and Viscous Foods, Liquid-Air Containers, Heat-Insulated Vessels and Hot-Water Bottles.

Claims use since Apr. 1, 1908, on cases, covers, linings, and cushions for bottles, jars, flasks, containers for solid, liquid, and viscous foods, liquid-air containers, and heat-insulated vessels; since Feb. 1, 1911, for cases, covers, linings for carafes; since Jan. 1, 1913, on cases, covers, linings, and cushions for jugs, pots, tankards, and pitchers, hampers, and baskets; since Mar. 1, 1913, on carrying cases, bags, kits, and receptacles for napkins, tablecloths, and doilies; since Nov. 1, 1914, on casings, covers, linings, and cushions for hot-water bottles; and since Aug. 15, 1917, for casings, covers, linings, and cushions for cans and marmits.

Ser. No. 168,668. (CLASS 37. PAPER AND STATIONERY.) **THE BURDETTE-MURRAY COMPANY**, Cleveland, Ohio. Filed Aug. 25, 1922.

DRAWING MASTER

Particular description of goods.—Drawing Paper and Pads.

Claims use since November, 1919.

Ser. No. 168,983. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) **R. SCHEANBLOM**, New York, N. Y. Filed Sept. 1, 1922.

KEEP KURL

Particular description of goods.—Hair Curlers, Hair Crimpers, Hair Formers, Hair Frames.

Claims use since on or about June 25, 1922.

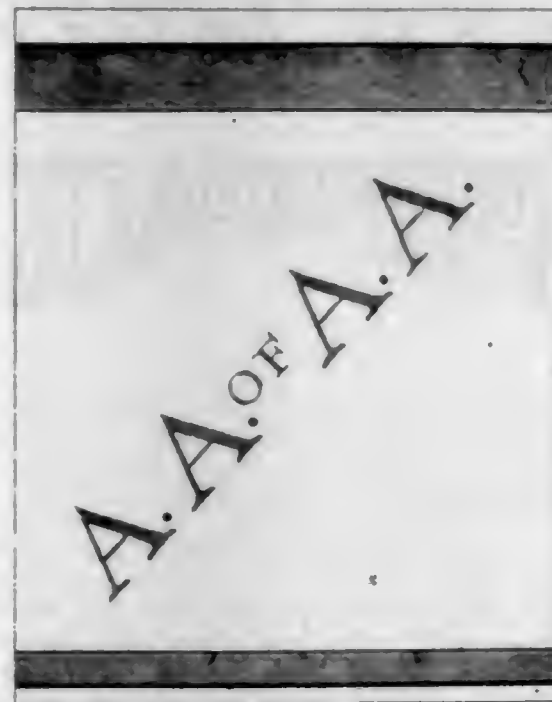
Ser. No. 170,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) **JOSEPH E. AMEND**, Appleton, Wis. Filed Oct. 2, 1922.

MY-LO

Particular description of goods.—Beverage Formed of Malt and Milk and Other Ingredients.

Claims use since Sept. 8, 1922.

Ser. No. 174,717. (CLASS 37. PAPER AND STATIONERY.) **ADVERTISING AGENCIES CORPORATION**, New York, N. Y. Filed Jan. 18, 1923.



The representation of a sheet of paper is disclaimed apart from the mark appearing on the drawing. The trade-mark is printed in blue. The drawing is lined to indicate color.

Particular description of goods.—Order Blanks.
Claims use since Jan. 11, 1921.

Ser. No. 176,358. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **THE PALISADE MANUFACTURING COMPANY**, Yonkers, N. Y. Filed Feb. 20, 1923.

VELVET-SKIN

No claim is made to the word "Skin" apart from the mark shown in the drawing.

Particular description of goods.—Toilet Powder.
Claims use since 1894.

Ser. No. 179,427. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) **POWERS, FRIEND & LICHTMAN**, New York, N. Y. Filed Apr. 20, 1923.



Particular description of goods.—Decorative Linens, Which Consist of Hemstitched, Machine-Embroidered, Hand-Embroidered, and Handmade Linen Centerpieces, Scarfs (for Use with Furniture), Table Covers, Place Mats, Napkins, for Decorative Linen Purposes; Tapestry, Silk, and Velour Scarfs for Furniture, Pillow Slips, and Table Covers; and Laces in the Piece.

Claims use since Apr. 4, 1923.

Ser. No. 181,159. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) **BUICHI ARO**, Boston, Mass. Filed May 20, 1923.



No claim is made to the word "Game" apart from the mark as shown.

Particular description of goods.—Character-Containing Pieces or Game Blocks Similar to Dominoes.

Claims use since May 1, 1923.

Ser. No. 181,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) **WARRIOR CANDY COMPANY, INC.**, Birmingham, Ala. Filed June 1, 1923.



The exclusive use of the words "Brand" and "Candies" apart from the other features of the mark is hereby disclaimed.

Particular description of goods.—Candy.
Claims use since Feb. 17, 1923.

329 O. G.—2

Ser. No. 183,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) **LILLIE J. THOMPSON**, Tyrone, Pa. Filed July 13, 1923.

CYCLONE

Particular description of goods.—Ointment for the Treatment of Cuts, Bruises, Burns, Bolls, Felons, Eczema, and Analogous Ailments.

Claims use since about Oct. 1, 1923.

Ser. No. 183,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) **RAMIREZ & FERAUD CHILE CO.**, Ventura, Calif. Filed July 16, 1923.



No claim is made to color or to the representation of the chilies apart from the mark as shown.

Particular description of goods.—Red Chili Sauce.
Claims use since Feb. 3, 1922.

Ser. No. 183,344. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) **ARTHUR E. SIBLEY**, Bloomington, Ill. Filed July 17, 1923.



No claim is made to the words "Ice Cream Lolly Pop" aside from the mark as shown.

Particular description of goods.—Ice-Cream Confections.

Claims use since June 4, 1923.

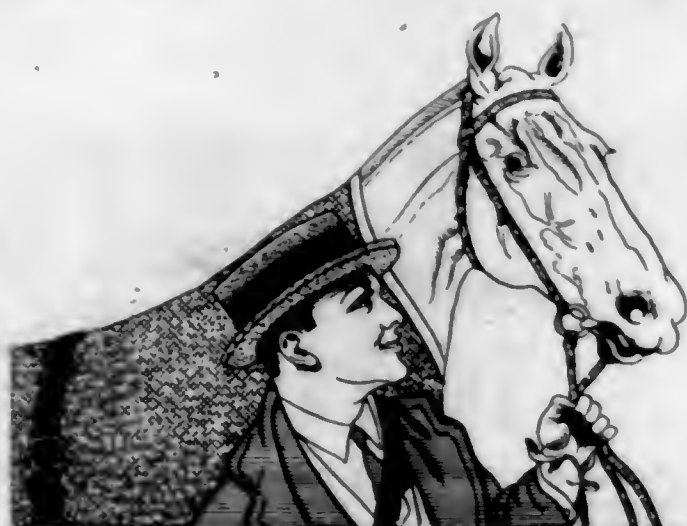
Ser. No. 183,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES LALANNE, Paris, France. Filed July 30, 1923.

FRAISY

Particular description of goods.—Perfumes, Toilet Waters, Face Creams, Face Powders, Brilliantine, Hair Tonic, Face Lotion, Rouges, Hair Coloring, Shampoo, Depilatory, and Nail Polishes.

Claims use since December, 1916.

Ser. No. 184,092. (CLASS 39. CLOTHING.) NEW ENGLAND PANAMA HAT CO. INC., New York, N. Y. Filed Aug. 4, 1923.



Styler in The Fashion Center of America NEW YORK

The representation of a straw hat is disclaimed. The lining on the drawing indicates the colors orange and blue. The picture is fanciful. The phrase "Styler in the Fashion Center of America New York" is disclaimed except as associated with the other features of the trade-mark; but applicant does not by this disclaimer surrender its common-law rights in this phrase.

Particular description of goods.—Women's, Men's, Boys', Girls', Children's, and Infants' Hats Made of Wool, Silk, Cotton, Fur, Felt, Straw, Hemp, Rattan, Osier, and Palm Leaf.

Claims use since May 1, 1921.

Ser. No. 184,331. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FLATLITE LIMITED, Sydney, Australia, and Cincinnati, Ohio. Filed Aug. 11, 1923.

FLATLITE

Particular description of goods.—Metal Reflectors and Devices for Securing the Same within a Hand Lamp.

Claims use since Feb. 23, 1922, in respect of hand lamps; since Nov. 18, 1921, in respect of metal reflectors and adapters therefor; and since Jan. 16, 1923, in respect of electric bulbs.

Ser. No. 184,936. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CENTRAL STAMPING CO., Detroit, Mich. Filed Aug. 24, 1923.



The picture shown on drawing is fanciful, the cap and the words "Red Cap" being presented in red.

Particular description of goods.—Radioshutters, Steering-Post Braces, and Spark and Throttle Extensions.

Claims use since Nov. 1, 1922.

Ser. No. 185,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAGGETT CHOCOLATE COMPANY, Boston, Mass. Filed Aug. 31, 1923.



Particular description of goods.—Confectionery.

Claims use since on or about July 15, 1923.

Ser. No. 185,243. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHIEF MANUFACTURING COMPANY, Indianapolis, Ind. Filed Sept. 1, 1923.



Particular description of goods.—Fluff-Rug-Making Machines, Rug Sizing and Stretching Machines; Carpet Beating, Dusting, and Suction Cleaning Machines; Variable-Speed Pulleys, Driers and Drying Racks, Wood-Embossing Machines and Parts Thereof, and Trolleys for Bakeries.

Claims use since on or about July 27, 1920.

Ser. No. 185,499. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SCOTT GAS APPLIANCE COMPANY, Washington, D. C. Filed Sept. 7, 1923.



Particular description of goods.—Gas Stoves and Ranges and Parts Thereof.

Claims use since Feb. 1, 1922.

Ser. No. 185,746. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMMON E. CRAMER, doing business as Barbara Fritchie Chocolate Shop, Frederick, Md. Filed Sept. 13, 1923.

Barbara Fritchie Candies



No claim is made to the exclusive use of the word "Candies" apart from the mark shown in the drawing.

Particular description of goods.—Chocolates and Bonbons.

Claims use since on or about May 1, 1923.

Ser. No. 186,332. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SCHOOLAR LEATHER GOODS CORPORATION, New York, N. Y. Filed Sept. 28, 1923.



The word "Scholar" is disclaimed apart from the mark as shown in the drawing. The words "Guaranteed" and "Luggage" are disclaimed apart from the trade-mark as shown in the drawing. The applicant's common-law rights in the trade-mark shown in the drawing are, however, reserved.

Particular description of goods.—Leather Baggage—Namely, Suitcases, Traveling Bags, and Ladies' Hatboxes.

Claims use since on or about Nov. 28, 1922.

Ser. No. 186,351. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CARR FASTENER COMPANY, Cambridge, Mass. Filed Sept. 29, 1923.

JUNIOR

Trade-mark consists of the word "Junior."
Particular description of goods.—Large Snap Fasteners Primarily Used for Securing Automobile Curtains.

Claims use since Sept. 18, 1923.

Ser. No. 186,381. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VESS JONES, doing business as Whiz Company, New York, N. Y. Filed Sept. 29, 1923.



Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.

Claims use since July 2, 1923.

Ser. No. 186,471. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES C. GAFFNEY, New York, N. Y. Filed Oct. 2, 1923.

"ADDECK"

Particular description of goods.—Playing Cards.
Claims use since March, 1923.

Ser. No. 186,656. (CLASS 15. OILS AND GREASES.) MINER-EDGAR COMPANY, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Lubricating Oils and Greases, Kerosene, and Gasoline.
Claims use since on or about Oct. 1, 1914.

Ser. No. 186,657. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MINER-EDGAR COMPANY, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Coal and Wood.
Claims use since on or about Oct. 1, 1914.

Ser. No. 186,766. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ETHEL P. WESTWOOD, New York, N. Y. Filed Oct. 9, 1923.

Dolly Jingles

Particular description of goods.—Dolls.
Claims use since Sept. 20, 1923.

Ser. No. 186,783. (CLASS 33. GLASSWARE.) GILL-INDER & SONS, INC., Philadelphia, Pa. Filed Oct. 10, 1923.

NEMALITE

Particular description of goods.—Glass Illuminating Fixtures—Namely, Ceiling Bowls, Electrics, Balls, Urns, Units, Inverteds, and Bedroom Shades.
Claims use since about Jan. 1, 1915.

Ser. No. 186,965. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SAMOLINE CORPORATION, Chicago, Ill. Filed Oct. 13, 1923.



Particular description of goods.—Cleaning Preparation for Wood, Metal, and Other Materials.
Claims use since June 20, 1923.

Ser. No. 187,016. (CLASS 12. CONSTRUCTION MATERIALS.) PAINE LUMBER COMPANY, LIMITED, Oshkosh, Wis., assignor to Nathan Paine, Miami Beach, Fla. Filed Oct. 15, 1923.



Particular description of goods.—Wooden Doors.
Claims use since Aug. 1, 1923.

Ser. No. 187,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDAHO FALLS POTATO GROWERS, Idaho Falls, Idaho. Filed Oct. 17, 1923.



POTATOES IDAHO FALLS POTATO GROWERS INC.

The words "Selected Idaho Russet, Potatoes; Idaho Falls Potato Growers, Inc." shown on the drawing are specifically disclaimed.

Particular description of goods.—Potatoes in Their Natural State.

Claims use since July, 1922.

Ser. No. 187,158. (CLASS 12. CONSTRUCTION MATERIALS.) THE GOLDSMITH METAL LATH COMPANY, Cincinnati, Ohio. Filed Oct. 18, 1923.

Clincher

Particular description of goods.—Metal Lath.
Claims use since 1908.

Ser. No. 187,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT PACKING COMPANY, Detroit, Mich. Filed Oct. 22, 1923.



Particular description of goods.—Smoked Meats—Namely, Ham and Bacon and Lard.
Claims use since Nov. 1, 1920.

Ser. No. 187,427. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOHN MACKAY AND COMPANY LIMITED, Edinburgh and Glasgow, Scotland, and Newcastle-on-Tyne, England. Filed Oct. 24, 1923.



All printed words appearing on the drawing, with the exception of the words "Mackay's" and "John Mackay & Co., Ltd." are disclaimed apart from the mark shown without waiving applicant's common-law rights therein.

Particular description of goods.—Preparation for Making a Nonalcoholic, Maltless Beverage.

Claims use since Apr. 5, 1921.

Ser. No. 187,765. (CLASS 12. CONSTRUCTION MATERIALS.) PAINE LUMBER COMPANY, LIMITED, Oshkosh, Wis., assignor to Nathan Paine, Miami Beach, Fla. Filed Oct. 31, 1923.



Particular description of goods.—Wooden Doors.
Claims use since Aug. 1, 1923.

Ser. No. 187,925. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Lamona

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,927. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Attara

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,929. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Tartara

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 188,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONE SUNDAY MFG. CO., Kansas City, Mo. Filed Nov. 9, 1923.

CONEY CONES

No claim is made to the word "Cones" except in connection with the drawing as shown.

Particular description of goods.—Ice-Cream Cones.
Claims use since Mar. 27, 1922.

Ser. No. 188,159. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Filed Nov. 9, 1923.

PALMA

Particular description of goods.—Ammunition.
Claims use since October, 1921.

Ser. No. 188,373. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH F. KAS-NICKA, doing business as The Speed Cleaner Co., Chicago, Ill. Filed Nov. 15, 1923.



Particular description of goods.—Appliance for Removing Spots, Stains, Etc., from Clothing and the like. Claims use since Oct. 17, 1923.

Ser. No. 189,316. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR KIVRIZIS, Sedalia, Mo. Filed Dec. 6, 1923.



All the reading matter on the drawing except the word "Ja Da" is disclaimed apart from the other features of the mark.

Particular description of goods.—Nut-Candy Bar. Claims use since October, 1922.

Ser. No. 189,372. (CLASS 35. PRINTS AND PUBLICATIONS.) WALTER W. NORDENHOLT, Chicago, Ill. Filed Dec. 7, 1923.

Fin, Fur and Feathers

Particular description of goods.—Newspaper Columns, Magazine Articles, and Feature Articles. Claims use since Nov. 10, 1923.

Ser. No. 189,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM BLUMENKRANZ, doing business as Blum's Luliment Co., New York, N. Y. Filed Dec. 13, 1923.

BLUM'S



Particular description of goods.—Luliment. Claims use since Dec. 8, 1923.

Ser. No. 189,749. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ELLIOT R. ALEXANDER, doing business as Alexander Laboratories, Kansas City, Mo. Filed Dec. 17, 1923.



Particular description of goods.—Liquid Chemical Compound to Prevent Obscuration of Glass. Claims use since Oct. 1, 1923.

Ser. No. 189,838. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARAUJO & BASTOS LDA., Lisbon and Setubal, Portugal. Filed Dec. 18, 1923.



The words "Sardines," "A l'Hulle," "D'Olive," "Qualite," "Extra Fine," "Produit Supérieur," "Marque Deposee," "Setubal," and the letters "A, B, C" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Sardines in Oil. Claims use since Mar. 1, 1912.

Ser. No. 190,117. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Dec. 26, 1923.

MERCETONE

The word "Flat" is disclaimed apart from the mark as shown. The drawing is conventionally lined to indicate the colors brown and gold or yellow.

Particular description of goods.—Interior and Exterior Ready-Mixed Paint.

Claims use since Apr. 1, 1922.

Ser. No. 190,119. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Dec. 26, 1923.



The drawing is conventionally lined to indicate the colors red and blue.

Particular description of goods.—Interior and Exterior Ready-Mixed Paint.

Claims use since Apr. 1, 1922.

Ser. No. 190,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN PACKING COMPANY, Everett, Wash. Filed Dec. 27, 1923.



Particular description of goods.—Canned Salmon. Claims use since July 15, 1915.

Ser. No. 190,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR LEOPOLD GYLLENHAMMAR, Gottenborg, Sweden. Filed Jan. 4, 1924.

O. Gyllenhammar

Trade-mark consists of applicant's facsimile signature. Particular description of goods.—Human Food of Corn or Grain and Products of Corn or Grain—Namely, Oatmeal, Rye Meal, and Rolled Oats. Claims use since January, 1923.

Ser. No. 190,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR LEOPOLD GYLLENHAMMAR, Gottenborg, Sweden. Filed Jan. 4, 1924.



Particular description of goods.—Human Food of Corn or Grain and Products of Corn or Grain—Namely, Oatmeal, Rye Meal, and Rolled Oats. Claims use since January, 1923.

Ser. No. 190,413. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR LEOPOLD GYLLENHAMMAR, Gottenborg, Sweden. Filed Jan. 4, 1924.



Particular description of goods.—Groats of Oats and Other Preparations Made of Oats. Claims use since January, 1923.

Ser. No. 190,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOHNS, LIMITED, Halifax, Nova Scotia, Canada. Filed Jan. 5, 1924.

The Bridge Box

No claim is made to the word "Box" apart from the trade-mark shown.

Particular description of goods.—Chocolate Candy. Claims use since Nov. 15, 1923.

Ser. No. 190,511. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MEINECKE & COMPANY, New York, N. Y. Filed Jan. 7, 1924.

SIMPLEX SANITARY

No claim is made to the word "Sanitary" apart from the mark shown.

Particular description of goods.—Sputum Cups, Bedpans, and Feeding Cups.

Claims use since January, 1907.

Ser. No. 190,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR LEOPOLD GYLLENHAMMAR, Gottenborg, Sweden. Filed Jan. 11, 1924.



Particular description of goods.—Meal of Oats and Other Products Made of Oats.

Claims use since January, 1923.

Ser. No. 190,855. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RHODE ISLAND WHOLESALE GROCERY CO., Providence, R. I. Filed Jan. 15, 1924.

WHAT CHEER

Trade-mark "What Cheer."

Particular description of goods.—Coffee, Tea, Cocoa, Chocolate, Spices; Flour—Namely, Wheat, Graham, and Rye; Breakfast Cereals, Oatmeal, Honey, Rice, Canned Fruits, Dried Fruits, Canned Vegetables and Canned Fish, Salad Oil, Olive Oil, Mincemeat, Molasses, Grated Coconut, Candy, Evaporated Milk, Condensed Milk, Fruit Salad, Macaroni, Spaghetti, Noodles, Olives, Salad Dressing, Mayonnaise Dressing, Russian Dressing, Black Pepper, White Pepper, Canned Pork and Beans, Jams, Jellies, Mushrooms, Peanut Butter, Cornstarch, Fruit Sirups for Food-Flavoring Purposes, Prepared Mustard, Canned Berries, and Canned Shellfish.

Claims use since February, 1923.

Ser. No. 191,132. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON AND LEITCH, INC., San Francisco, Calif. Filed Jan. 22, 1924.

KONGO-KAKE

No claim is made to the word "Kake" apart from the mark as shown.

Particular description of goods.—Fruit Cake in the Form of a Bar and Coated with Chocolate.

Claims use since Dec. 20, 1923.

Ser. No. 191,217. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOOTH MILLS, Lowell, Mass. Filed Jan. 24, 1924.

SECURITY

Particular description of goods.—Cotton Cloth in the Piece, Towels, and Toweling.

Claims use since Sept. 22, 1914.

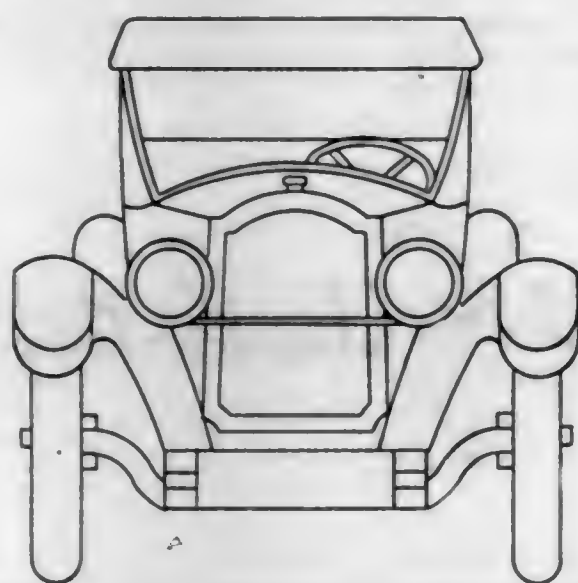
Ser. No. 192,173. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRANK G. DELBON, Brooklyn, N. Y. Filed Feb. 12, 1924.

ARCH RELIEVER

Particular description of goods.—Metal Shank Stiffeners for Leather Shoes.

Claims use since about Dec. 1, 1923.

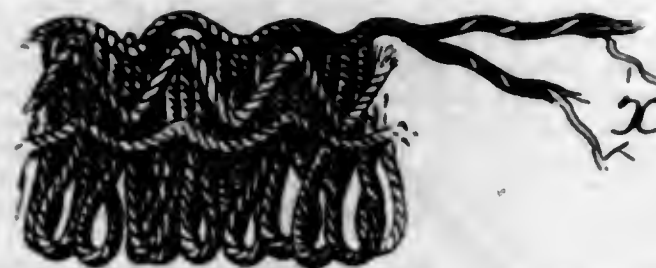
Ser. No. 192,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRACE M. KROYER, doing business as Motor Meals Company, Los Angeles, Calif. Filed Feb. 12, 1924.



Particular description of goods.—Canned Cooked Mixed Food.

Claims use since Jan. 6, 1924.

Ser. No. 192,710. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) E. L. MANSURE COMPANY, Chicago, Ill. Filed Feb. 23, 1924.



The trade-mark consists of threads of rose and gold color and is applied to the goods by being embodied in them. In loop fringe it is usually incorporated in the transverse cords of the heading, as shown at x, Figure 5.

Particular description of goods.—Fringes and Gimps for Drapery Trimmings.

Claims use since Jan. 9, 1924.

Ser. No. 193,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEBRASKA CONSOLIDATED MILLS COMPANY, Omaha, Ravenna, Hastings, and Grand Island, Nebr. Filed Mar. 6, 1924.



Particular description of goods.—Wheat Flour and Graham.

Claims use since 1922.

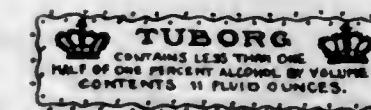
Ser. No. 193,702. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREYBERG BROS. INC., New York, N. Y. Filed Mar. 13, 1924.



Particular description of goods.—Textile Binding Strips or Ribbons.

Claims use since November, 1922.

Ser. No. 194,386. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) A/S DE FORENEDE BRYGGERIER, Copenhagen, Denmark. Filed Mar. 25, 1924.

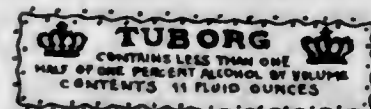
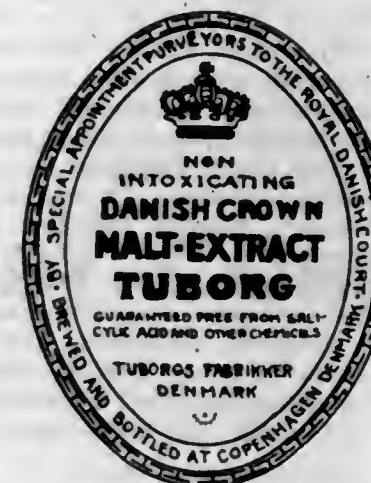


All wording except the words "Tuborg" and "Tuborgs Fabrikker" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Malt Beverages.

Claims use since beginning of October, 1923.

Ser. No. 194,387. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) A/S DE FORENEDE BRYGGERIER, Copenhagen, Denmark. Filed Mar. 25, 1924.

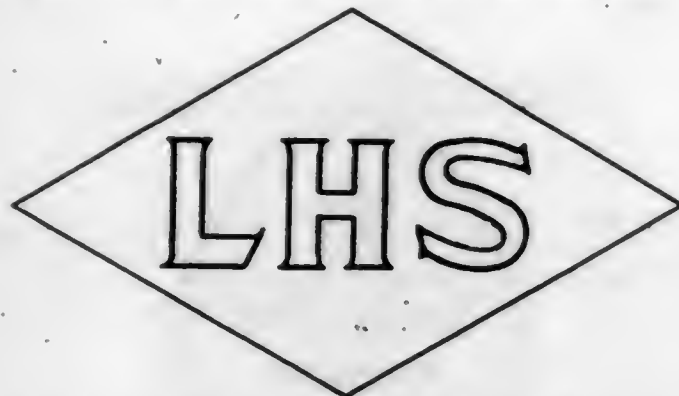


All words except "Danish Crown," "Tuborg," and "Tuborgs Fabrikker" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Malt Extracts.

Claims use since the beginning of October, 1923.

Ser. No. 194,749. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) L. & H. STERN, INC., Brooklyn, N. Y. Filed Mar. 31, 1924.



Particular description of goods.—Smoking Pipes, Cigar Holders, and Cigarette Holders.
Claims use since about July 1, 1914.

Ser. No. 195,203. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VICTOR TALKING MACHINE COMPANY, Camden, N. J. Filed Apr. 8, 1924.

Victor

Particular description of goods.—Radio Apparatus, Parts, and Appurtenances—Namely, Radio Receiving Sets, Sound-Amplifying Horns Having Telephone Receivers, Loud Speakers, Loops, Microphones, Radio Receiving Sets Mounted or Contained in Cabinets with Talking Machines, Radio Receiving Sets Adapted for Combination with Talking Machines, Radio Receiving Sets wherein Parts of Talking Machines are Used as Parts of Radio Sets, wherein Talking Machines are Used as Loud Speakers, and wherein the Sound-Amplifying Horns of Talking Machines are Provided with Telephone Receivers and Microphones; and for Electrically-Operated Talking Machines and Parts, Supplies, Accessories, and Appurtenances Therefor—Namely, Electric Motors, Coils, Transformers, Rheostats, Electric Switches, and Electric Stop Mechanisms.

Claims use since on or about Oct. 20, 1922, on radio sound-reproducing means, and since December, 1900, on talking machines, cabinets, amplifiers, horns, and appurtenances; since on or before July 27, 1911, on electrically-operated sound-reproducing machines, and said parts, supplies, accessories, and appurtenances therefor.

Ser. No. 195,204. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VICTOR TALKING MACHINE COMPANY, Camden, N. J. Filed Apr. 8, 1924.

VICTROLA

Particular description of goods.—Radio Apparatus, Parts, and Appurtenances—Namely, Radio Receiving Sets, Sound-Amplifying Horns Having Telephone Receivers, Loud Speakers, Loops, Microphones, Radio Re-

ceiving Sets Mounted or Contained in Cabinets with Talking Machines, Radio Receiving Sets Adapted for Combination with Talking Machines, Radio Receiving Sets wherein Parts of Talking Machines are Used as Parts of Radio Sets, wherein Talking Machines are Used as Loud Speakers, and wherein the Sound-Amplifying Horns of Talking Machines are Provided with Telephone Receivers and Microphones; and for Electrically-Operated Talking Machines and Parts, Supplies, Accessories, and Appurtenances Therefor—Namely, Electric Motors, Coils, Transformers, Rheostats, Electric Switches, and Electric Stop Mechanisms.

Claims use since June 9, 1905, an sound-reproducing means, including talking machines, cabinets, amplifiers, horns, and appurtenances; since on or before July 27, 1911, on electrically-operated sound-reproducing machines and said parts, supplies, accessories, and appurtenances therefor; since on or about Oct. 20, 1922, on radio sound-reproducing means.

Ser. No. 195,205. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VICTOR TALKING MACHINE COMPANY, Camden, N. J. Filed Apr. 8, 1924.



HIS MASTER'S VOICE

Particular description of goods.—Radio Apparatus, Parts, and Appurtenances—Namely, Radio Receiving Sets, Sound-Amplifying Horns Having Telephone Receivers, Loud Speakers, Loops, Microphones, Radio Receiving Sets Mounted or Contained in Cabinets with Talking Machines, Radio Receiving Sets Adapted for Combination with Talking Machines, Radio Receiving Sets wherein Parts of Talking Machines are Used as Parts of Radio Sets, wherein Talking Machines are Used as Loud Speakers, and wherein the Sound Amplifying Horns of Talking Machines are Provided with Telephone Receivers and Microphones; and for Electrically-Operated Talking Machines and Parts, Supplies, Accessories, and Appurtenances Therefor—Namely, Electric Motors, Coils, Transformers, Rheostats, Electric Switches, and Electric Stop Mechanisms.

Claims use since May 24, 1900, on talking machines, cabinets, amplifiers, horns, and appurtenances; since on or before July 27, 1911, on electrically-operated sound-reproducing machines and said parts, supplies, accessories, and appurtenances therefor; and since about Oct. 20, 1922, on radio sound-reproducing means.

Ser. No. 195,546. (CLASS 39. CLOTHING.) FRED A. SMITH, Cleveland, Ohio. Filed Apr. 14, 1924.

Yours Truly

Particular description of goods.—Men's Hosiery.
Claims use since about Mar. 5, 1924.

Ser. No. 195,620. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.



The word "Pure" and the letter "C" are hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1910.

Ser. No. 195,764. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924.

PRINCECO

Particular description of goods.—Mixed Paint and Paste Paint Adapted for Use on Outside Surfaces, Including Barns and Roofs.
Claims use since 1916.

Ser. No. 195,766. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924.

ASCOT

Particular description of goods.—Mixed Paint and Paste Paint Adapted for Use as a Barn and Roof Paint.
Claims use since September, 1910.

Ser. No. 195,769. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924.

Greengite

Particular description of goods.—Mixed Paint and Paste Paint Adapted for Use on Blinds, Doors, and Store Fronts.
Claims use since 1905.

Ser. No. 195,773. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAX V. REINER, Allentown, Pa. Filed Apr. 18, 1924.



Particular description of goods.—A Cleaning Compound for Certain Named Purposes—Namely, the Hands, Dishes, Sinks, Utensils, and for Removing Dirt and Stains from Sanitary Oilcloth Table and Wall Covering.
Claims use since May 1, 1922.

Ser. No. 195,847. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLEY, New York, N. Y. Filed Apr. 19, 1924.

ENERGY

Particular description of goods.—Bread.
Claims use since Mar. 26, 1924.

Ser. No. 195,928. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOSEPHINE S. WATERHOUSE, doing business as Waterhouse Manufacturing Co. and as J. S. Waterhouse, Los Angeles, Calif. Filed Apr. 21, 1924.

BABY CORRAL

Particular description of goods.—Portable Inclosures for Guarding Infants. Known as Baby Yards.
Claims use since Feb. 19, 1923.

Ser. No. 196,749. (CLASS 15. OILS AND GREASES.) METRO STATIONS, INC., Olean, N. Y. Filed May 8, 1924.

METRO

Particular description of goods.—Gasoline, Motor-Lubricating Oil, Kerosene, and Fuel Oil.
Claims use since July 1, 1920.

Ser. No. 196,944. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) C. H. OHMIG-WEIDLICH, Zeltz, Germany. Filed May 12, 1924.



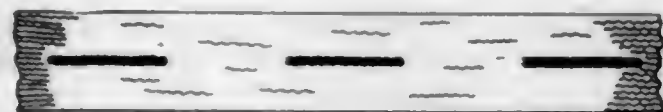
Particular description of goods.—Toilet Soaps.
Claims use since July 1, 1911.

Ser. No. 197,134. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS E. CIMICATA, doing business as United Confectionery Co., St. Louis, Mo. Filed May 16, 1924.

TOP-KO

Particular description of goods.—Sweet Variegated Coconut in Desiccated and Semidesiccated Form.
Claims use since Jan. 1, 1924.

Ser. No. 197,477. (CLASS 12. CONSTRUCTION MATERIALS.) FIBROC INSULATION COMPANY, Valparaiso, Ind. Filed May 23, 1924.



Trade-mark consists of parallel strips of red color embodied with the goods. No claim is made for the goods apart from the colored marking as shown.

Particular description of goods.—Composite Material Formed of Layers of Fibrous Material—for Example, Canvas—Bound Together by Synthetic Resin—for Example, a Phenolic Condensation Product. One Use for Said Composite Material is for Making Noiseless Gears.
Claims use since June, 1923.

Ser. No. 198,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM D. HOLTERMAN, Fort Wayne, Ind. Filed June 6, 1924.

ARISTOCRATS

Particular description of goods.—Eggs and Live Poultry.
Claims use since 1908.

Ser. No. 198,333. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WEST COAST KALOMINE COMPANY, Berkeley, Calif. Filed June 9, 1924.



The word "Tint" is disclaimed apart from the mark as shown.

Particular description of goods.—Dry Powder Calcimine.

Claims use since Mar. 1, 1920.

Ser. No. 198,445. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BATES MANUFACTURING COMPANY, Lewiston, Me. Filed June 12, 1924.

BATESCRAFT

Particular description of goods.—Bedspreads.
Claims use since Jan. 21, 1924.

Ser. No. 198,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN SAUSAGE & PROVISION Co., Inc., New York, N. Y. Filed June 14, 1924.



No claim is made to the words "Chorizos Marca, New York, U. S. A., Distributors" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the use of the words "Chorizos Marca" to complete the decorative outlines of the design of the trade-mark.

Particular description of goods.—Sausages.
Claims use since Dec. 6, 1922.

Ser. No. 198,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEEHAN GROCER COMPANY, St. Louis, Mo. Filed June 16, 1924.

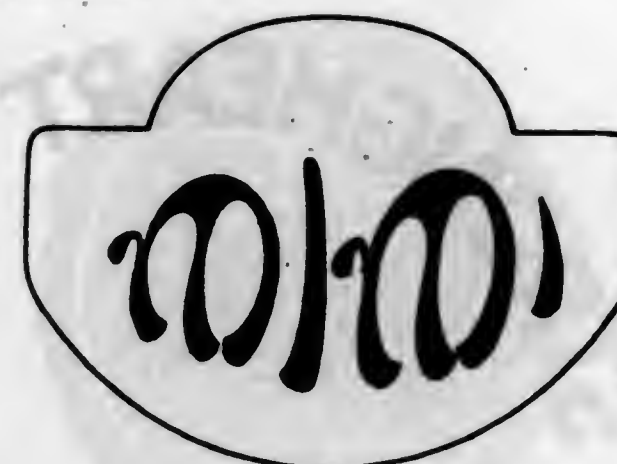


No claim is made to color.

Particular description of goods.—Malt Extract for Food Purposes.

Claims use since Nov. 20, 1922.

Ser. No. 198,719. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIMI MANUFACTURING COMPANY, New York, N. Y. Filed June 17, 1924.



Particular description of goods.—Toilet Creams.
Claims use since December, 1923.

Ser. No. 198,721. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PATHE CINEMA, ANCIENS ETABLISSEMENTS PATHE FRERES, Paris, France. Filed June 17, 1924.



The lining of trade-mark drawing indicates shading, and not colors.

Particular description of goods.—Photographic Plates, Sensitized Papers for Photographic Prints, Cameras for Taking Cinematographic Pictures, Cinematographic Projecting Lanterns, Stereoscopes, Stationary Magic Lanterns, Eyepieces and Spare Parts for Photographic and Cinematographic Apparatus.

Claims use since April, 1924.

Ser. No. 198,789. (CLASS 38. PRINTS AND PUBLICATIONS.) COMMUNITY SYSTEM SERVICE CORPORATION, Johnstown, Pa. Filed June 19, 1924.



Particular description of goods.—Blank Books and Forms for Banking and Investment Service.
Claims use since about Apr. 19, 1922.

Ser. No. 198,815. (CLASS 37. PAPER AND STATIONERY.) GEORGE G. MEVI, New York, N. Y. Filed June 19, 1924.



Trade-mark "Stamplex."
Particular description of goods.—Automatic Stamping Machine.
Claims use since Apr. 15, 1923.

Ser. No. 198,828. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZALOKAR & COMPANY, Oak Park, Ill. Filed June 19, 1924.



Particular description of goods.—Rough Powder.
Claims use since Dec. 6, 1923.

Ser. No. 198,878. (CLASS 37. PAPER AND STATIONERY.) J. H. NEWBAUER & Co., San Francisco, Calif. Filed June 20, 1924.

Astoria

Particular description of goods.—Toilet Paper.
Claims use since Feb. 2, 1923.

Ser. No. 198,880. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NYAL COMPANY, Detroit, Mich. Filed June 20, 1924.

PAR

Trade-mark consists of the word "Par."
Particular description of goods.—Soap Shaving Cream for Lathering Purposes.
Claims use since June 12, 1924.

Ser. No. 199,022. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROYAL MANUFACTURING COMPANY, Toledo, Ohio. Filed June 23, 1924.

ROYAL

Particular description of goods.—Brooder Stoves.
Claims use since May 20, 1923.

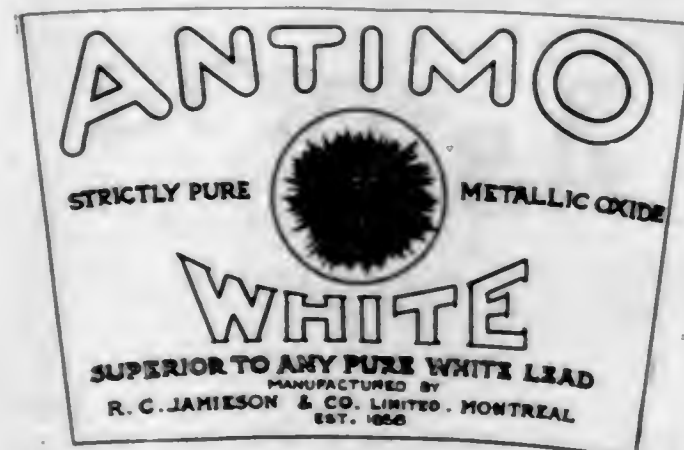
Ser. No. 199,078. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NEVAVET MFG. CO., New York, N. Y. Filed June 24, 1924.



No claim is made to the exclusive use of the words "Downy Waterproof" and "Waterproofed Quilting" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the use of these words to balance the general arrangement of the mark.

Particular description of goods.—Waterproof Bedding.
Claims use since May 3, 1924.

Ser. No. 199,227. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) R. C. JAMIESON & CO. LIMITED, Montreal, Quebec, Canada. Filed June 27, 1924.



No claim is made to the words "Strictly Pure Metallic Oxide, Superior to Any Pure White Lead, Products, White, Manufactured by, Montreal, Wear for Years" apart from the mark as shown in the drawing.

Particular description of goods.—White Lead, Paints of All Kinds, Pigments, Paint Oils, Paint Enamels, Varnishes, Stains, Washes in the Nature of a Paint or Polish for Wooden Surfaces or Automobiles; Finishes, Oil Colors, Japan Colors, Distemper Colors, Varnish Colors, Fillers, Turpentine, Prepared Shellac, Calcimine, Floor Wax, Putty, Whiting, Liquid Staining, Paint and Varnish Removers, Automobile and Furniture Polish.
Claims use since Dec. 11, 1922.

Ser. No. 199,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STRONG BAKING COMPANY, Fribi, Mich. Filed June 30, 1924.

STRONGHEART

Particular description of goods.—Bread.
Claims use since June 3, 1924.

Ser. No. 199,489. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed July 2, 1924.

NB

Particular description of goods.—Screw Machines, Chucking Machines, Mortising Machines, Chain-Saw Mortisers, Mortising Chains, Chain Bars, Sprockets, Sprocket Centers, Chain Sharpeners, Spools, Wrenches, and Socket Sets.

Claims use since 1919.

Ser. No. 199,557. (CLASS 38. PRINTS AND PUBLICATIONS.) M. MARTIN KALLMAN, New York, N. Y. Filed July 3, 1924.

VISUALIZER

THE SECRET FOR SUCCESS

Particular description of goods.—Monthly Publications.
Claims use since June 26, 1924.

Ser. No. 199,591. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE S. C. WAGENMAN PAINT STORES COMPANY, Cleveland, Ohio. Filed July 3, 1924.



Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, Paint Enamels, and Paint Oils.

Claims use since on or about May 1, 1924.

Ser. No. 199,632. (CLASS 37. PAPER AND STATIONERY.) KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed July 5, 1924.



The lining in the drawing indicates the color red.

Particular description of goods.—Drawing Paper, Tracing Paper, Tracing Cloth, Profile and Cross-Section Paper, Field Books, Thumb Tacks, and Lettering Pens.

Claims use since Oct. 17, 1914.

Ser. No. 199,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LONE STAR FISH AND OYSTER COMPANY, Corpus Christi, Tex. Filed July 7, 1924.

LONE STAR

Particular description of goods.—Canned Shrimp.
Claims use since June 26, 1924.

Ser. No. 199,866. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed July 10, 1924.

DELVAC

Particular description of goods.—Lubricating Oils.
Claims use since June 13, 1924.

Ser. No. 199,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA HUSTON, doing business as The Ntrax Laboratory, New York, N. Y. Filed July 11, 1924.



Particular description of goods.—General Tonic.
Claims use since May 24, 1923.

Ser. No. 199,912. (CLASS 12. CONSTRUCTION MATERIALS.) WARREN-EHRET COMPANY, Philadelphia, Pa. Filed July 11, 1924.



Particular description of goods.—Composition Roofing Felts and Asphalt in Barrels for Roofing and Paving.
Claims use since Jan. 1, 1924.

Ser. No. 200,105. (CLASS 12. CONSTRUCTION MATERIALS.) LA SUBERINA, SOCIEDAD ANÓNIMA, San Feliu de Guixols, Spain. Filed July 16, 1924.

"Isolador,"

Particular description of goods.—Compressed Card-board for Construction Purposes.
Claims use since March, 1917.

Ser. No. 200,150. (CLASS 20. LINOLEUM AND OILED CLOTH.) NEW PEGAMOID LIMITED, London, England, and Montreal, Quebec, Canada. Filed July 17, 1924.

DAMABCLENE

Particular description of goods.—Fabric of the Oilcloth Type for Table or Shelves.
Claims use since Nov. 2, 1922.

Ser. No. 200,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTMAN BROS. & FREEDMAN, Fresno, Calif. Filed July 18, 1924.

BLUE SWAN

Particular description of goods.—Fresh Grapes.
Claims use since Aug. 25, 1923.

Ser. No. 200,211. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HENRY H. MCNAIR, doing business as Novelty Sales Co., St. Paul, Minn. Filed July 18, 1924.

Futbal

Particular description of goods.—Educational Card Game.
Claims use since on or about May, 1914.

Ser. No. 200,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS-O-TONE CO., Providence, R. I. Filed July 19, 1924.

CHAS-O-TONE

Particular description of goods.—Medicinal Preparations Used in the Treatment of the Nerves, the Liver, Gallstones, Catarrhal Mucus, Colds, Cuts, and Burns, System Tonic, Rectal and Vaginal Suppositories for Introduction into the Mouth, Rectum, and Vagina, and Capsules for Inflammation of the Kidneys and Bladder.
Claims use since July 10, 1924.

Ser. No. 200,249. (CLASS 38. PRINTS AND PUBLICATIONS.) EDITORIAL RESEARCH REPORTS, Washington, D. C. Filed July 19, 1924.

EDITORIAL RESEARCH REPORTS

Particular description of goods.—Weekly Reports for Editorial Writers.
Claims use since July 26, 1923.

Ser. No. 200,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL SPECIALTY PRODUCTS COMPANY, Navarre, Kans. Filed July 21, 1924.

MERE

Particular description of goods.—Food-Flavoring Extracts.
Claims use since Oct. 18, 1923.

Ser. No. 200,352. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. WILLIAM RUTHERFORD BOYKIN'S MODERN MEDICAL BEAUTY COLLEGE, Baltimore, Md. Filed July 22, 1924.



The trade-mark consists of the facsimile signature of William Rutherford Boykin, a member of the firm.
Particular description of goods.—Preparations for Treating the Scalp That is, a Medical Hair Grower, Scalp Preparation, Shampoo, Hair Tonic, and Hair Dressing.
Claims use since Nov. 27, 1923.

Ser. No. 200,396. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KENTENIA COAL COMPANY, Cincinnati, Ohio. Filed July 23, 1924.

BLU-BIRD

Particular description of goods.—Coal.
Claims use since Jan. 1, 1920.

Ser. No. 200,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REUBEN ALFRED WHEELER, San Francisco and Stockton, Calif. Filed July 24, 1924.



Particular description of goods.—Fresh Grapes.
Claims use since July 18, 1924.

Ser. No. 200,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAPENDICK BAKERY CO., St. Louis, Mo. Filed July 26, 1924.

QUEEN

Particular description of goods.—Bread.
Claims use since Jan. 15, 1907.

Ser. No. 200,675. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLYDE E. ELLIOTT, New York, N. Y. Filed July 29, 1924.



No claim is made to the word "Pictures" apart from the mark shown on the drawing.

Particular description of goods.—Pictures to be Projected Upon a Screen, Both Still and Animated; Motion-Picture Films, Machines for Taking and Projecting Pictures, Both Still and Animated; and Screens Upon Which Pictures, Both Still and Animated, are Projected.
Claims use since Aug. 25, 1923.

Ser. No. 200,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed July 29, 1924.



Applicant disclaims the exclusive right to the use of the words "Super Quality" apart from the mark as shown.

Particular description of goods.—Canned Fruits, Jams, Jellies, Fruit Preserves, Marmalades, Cranberry Sauce, Canned Fish; Canned Shellfish—Namely, Lobster, Crab, Shrimp, Clams, and Minced Clams; Canned Vegetables, Canned Kidney Beans, Canned Pork and Beans, Canned Tomato Purée, Celery Salt, Garlic Salt, Pepper, Mustard Seed, Prepared Mustard, Paprika, Chili Sauce, Vinegar, Pickles, Gherkins, Pepper Sauce, Salad Dressing, Olives, Olive Oil, Catchup, Curry Powder; Dried Fruits—Namely, Currants, Raisins, and Prunes; Canned and Salted Pop Corn, Barley, Peanut Butter, Honey, Flavoring Extracts for Food Purposes, Canned Vegetable Salad, Canned Fruit Salad, Canned Figs, Canned Sauerkraut, Canned Artichokes, Dry Hominy, Canned Succotash, Canned and Bottled Cherries, Marshmallows, Tapioca, Dried Lentils, Sweet Pickled Cherries.
Claims use since Jan. 4, 1923.

329 O. G.—3

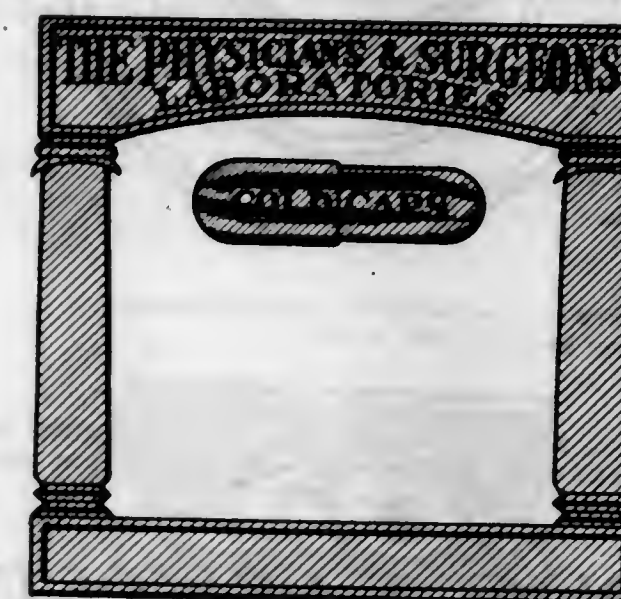
Ser. No. 200,698. (CLASS 15. OILS AND GREASES.) ACME PRODUCTS COMPANY, New Orleans and De Quincy, La. Filed July 30, 1924.



No rights are asserted to the exclusive use of the words "Quality" and "Service" apart from the mark as shown in the drawing.

Particular description of goods.—Pine Oil Used in the Flotation Process of Ore Concentration.
Claims use since Oct. 15, 1922.

Ser. No. 200,730. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS REGELSON, doing business as The Physicians & Surgeons Laboratories, New York, N. Y. Filed July 30, 1924.



No claim is made to the word "Coldcaps" or to the exclusive use of a capsule apart from the mark shown. The lining represents shading.

Particular description of goods.—Capsules for Cold, Grippe, and Influenza.
Claims use since Feb. 28, 1924.

Ser. No. 200,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 31, 1924.

Gem

Particular description of goods.—Cured Shoulders and Cooked Picnics.
Claims use since Oct. 8, 1907.

Ser. No. 200,840. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERT LEVI & Co. INC., New York, N. Y. Filed Aug. 2, 1924.

BELCO SILVERETTE CREPE FABRICS

The words "Crepe" and "Fabrics" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Silk and Cotton Piece Goods.

Claims use since Feb. 1, 1924.

Ser. No. 200,808. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE PERKINS TRUNK & BAG CO., Philadelphia, Pa. Filed Aug. 2, 1924.



Particular description of goods.—Trunks.
Claims use since May 9, 1921.

Ser. No. 201,020. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RAYMOND HAYES, Brookline, Mass. Filed Aug. 6, 1924.

RUG SAFETEE

Particular description of goods.—Cotton Fabrics impregnated with Nonslipping and Insect-Repelling Preparations.

Claims use since Feb. 10, 1924.

Ser. No. 201,047. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y. Filed Aug. 6, 1924.

FAST-SHADE

The drawing is lined to indicate shading, not to indicate color. The trade-mark consists of the combination "Fast-Shade," each of the separate features of the combination being disclaimed.

Particular description of goods.—Cotton Piece Goods.
Claims use since July 15, 1924.

Ser. No. 201,060. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES J. WILSON, Raleigh, N. C. Filed Aug. 6, 1924.



No claim is made to the words "Silver New" appearing on the drawing apart from the mark shown.
Particular description of goods.—Silver Polish.
Claims use since Aug. 4, 1924.

Ser. No. 201,076. (CLASS 12. CONSTRUCTION MATERIALS.) M. N. CARTIER & SONS COMPANY, Providence, R. I. Filed Aug. 7, 1924.

KEYSTONE

Particular description of goods.—Roofing Materials—Namely, Tarred Felt, Sheathing, and Roofing Pitch.
Claims use since Jan. 1, 1904.

Ser. No. 201,101. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed Aug. 7, 1924.



Particular description of goods.—Cleaning Compounds—Namely, Soap, Shoe Polish, Ivory Polish, Glove Cleaner, Cleaning Fluid, Shoe Dressing, Pumice Stone, Powdered Pumice Stone, Whiting (Being a Form of Calcium Carbonate Used as a Polish for Metals), Japanese Cleaning Compound, a Preparation for Cleaning Cloth and Fabrics, and Soapbark for Washing Silks and Other Fabrics.
Claims use since Nov. 21, 1908.

Ser. No. 201,172. (CLASS 17. TOBACCO PRODUCTS.) THE BALKAN CIGARETTE CO., LIMITED, London, England. Filed Aug. 9, 1924.



No claim of exclusive right to the use of the words "The Balkan Cigarette" being made apart from the mark as shown in the accompanying drawing.
Particular description of goods.—Cigarettes.
Claims use since January, 1920.

Ser. No. 201,184. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CARROLL H. DIKEMAN, Washington, D. C. Filed Aug. 9, 1924.



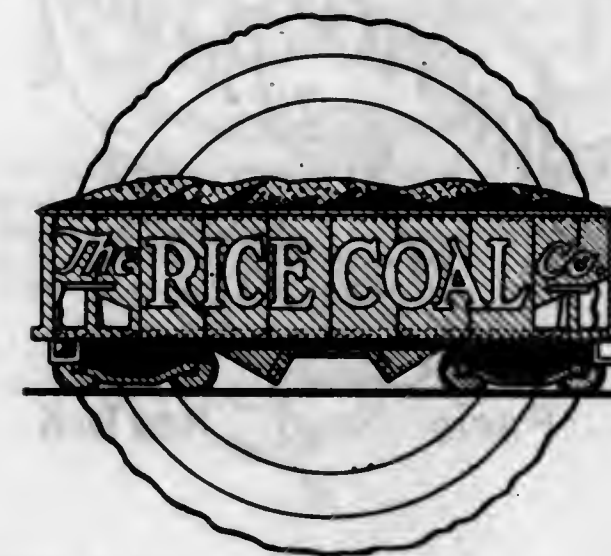
Particular description of goods.—Nonalcoholic Frozen and Unfrozen Beverages.
Claims use since July 8, 1924.

Ser. No. 201,234. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GRIPITE COMPANY, Chicago, Ill. Filed Aug. 11, 1924.

Gripite

Trade-mark consists of the word "Gripite."
Particular description of goods.—Brake Compound and Belt Dressing.
Claims use since Apr. 1, 1924.

Ser. No. 201,263. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE RICE COAL COMPANY, Dayton, Ohio. Filed Aug. 11, 1924.



The word "Coal" is disclaimed apart from the other features of the mark.
Particular description of goods.—Coal.
Claims use since May, 1923.

Ser. No. 201,312. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 12, 1924.



No claim is made for the purpose of this registration, but without waiving any common-law rights thereto, to the words "High Quality," "Aviation," "Trade-Mark," and "Gasoline" apart from the mark shown in the drawing.

Particular description of goods.—Petroleum Products—Namely, Gasoline and Naphtha.
Claims use since Dec. 5, 1919.

Ser. No. 201,361. (CLASS 39. CLOTHING.) JOSEPH MARROW, doing business as Popular Hat Co., New York, N. Y. Filed Aug. 13, 1924.



The representation of the female head is fanciful. No claim is made to the geographical terms "Paris" and "New York" apart from the mark as shown in the drawing without, however, waiving the common-law right to use both terms to preserve the balance and poise of the complete mark.

Particular description of goods.—Ladies' Hats.
Claims use since June 1, 1922.

Ser. No. 201,373. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed Aug. 13, 1924.



Particular description of goods.—Bleached Muslin.
Claims use since July 21, 1924.

Ser. No. 201,428. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BRENTON & COMPANY, Rochester, N. Y. Filed Aug. 15, 1924.

Comfort Can Cutter
BRENTON & CO ROCHESTER NY

The words "Can Cutter" and "Rochester, N. Y." are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Can Openers.
Claims use since Aug. 4, 1924.

Ser. No. 201,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTMAN & COMPANY, INC., New York, N. Y. Filed Aug. 18, 1924.

Hickory Club

Particular description of goods.—Prepared Foods—Namely, Bacon and Hams.
Claims use since Jan. 2, 1924.

Ser. No. 201,598. (CLASS 12. CONSTRUCTION MATERIALS.) THE JOHN S. TILLEY LADDERS CO. INC., Watervliet, N. Y. Filed Aug. 18, 1924.

TOOTH PICK STAGE

No claim is made herein broadly to the word "Stage" apart from the association shown in the drawing; but no common-law rights are waived by this disclaimer.

Particular description of goods.—Parts for Scaffolding, Ladders, and the Like, Including Planks Therefor.
Claims use since July 1, 1923.

Ser. No. 201,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. R. BUCKINGHAM, Delano, Calif. Filed Aug. 19, 1924.

GOLDEN SLIPPER

Particular description of goods.—Fresh Grapes.
Claims use since July 23, 1924.

Ser. No. 201,651. (CLASS 32. FURNITURE AND UPHOLSTERY.) COMFORT PILLOW CORPORATION, New York, N. Y. Filed Aug. 20, 1924.

COMFORT SANITARY PILLOWPACK

No claim is made to the word "Sanitary" apart from the mark shown in the drawing.

Particular description of goods.—Pillows.
Claims use since Feb. 1, 1924.

Ser. No. 201,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, doing business as A. J. Krank Mfg. Co., St. Paul, Minn. Filed Aug. 20, 1924.

Toots

Particular description of goods.—Toilet Water.
Claims use since July 2, 1924.

Ser. No. 201,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. & J. COLMAN, LIMITED, Norwich and London, England. Filed Aug. 22, 1924.



Particular description of goods.—Preparation of Mustard Forming a Relish, Condiment, or Sauce.
Claims use since April, 1924.

Ser. No. 201,777. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BLAINE B. SCUDDER, doing business as Sy-and-tifick Methods & Products Company, Janesville, Wis. Filed Aug. 22, 1924.

Sy-and-tifick

Particular description of goods.—Refinishing Compound in the Nature of a Polish for Floors, Furniture, and Woodwork.
Claims use since about June 1, 1924.

Ser. No. 201,851. (CLASS 39. CLOTHING.) THE MALLORY HAT COMPANY, Danbury, Conn. Filed Aug. 25, 1924.

Flex Ease

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Aug. 1, 1924.

Ser. No. 201,857. (CLASS 39. CLOTHING.) PINCUS AND TOBIAS INC., Brooklyn, N. Y. Filed Aug. 25, 1924.

"SUPEREASE"

Trade-mark consists of the word "Superease."
Particular description of goods.—Leather or Fabric Shoes or Combinations of the Same.
Claims use since June 1, 1924.

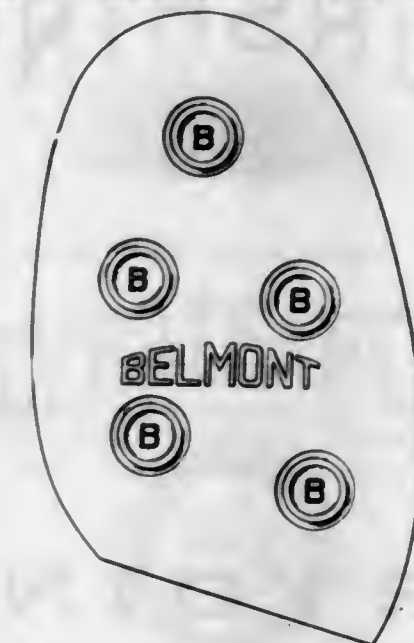
Ser. No. 201,875. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed Aug. 26, 1924.

Ribbaleen

The lining appearing upon the drawing is intended to indicate shading.

Particular description of goods.—Knitted Silk Fabrics—viz, Artificial-Silk Knitted Cloth in the Bolt.
Claims use since July 21, 1924.

Ser. No. 201,895. (CLASS 39. CLOTHING.) CHARLES HALE & BRO., Philadelphia, Pa. Filed Aug. 26, 1924.



The trade-mark consists in displaying the letter "B" in each of the recesses or suction cups of the rubber half sole, in connection with the word "Belmont" displayed across the sole; but we disclaim the use of the word "Belmont" apart from the other features of the mark without relinquishing our common-law rights therein, and we also disclaim the representation of the half sole shown in the accompanying drawing.

Particular description of goods.—Rubber Half Soles.
Claims use since Aug. 1, 1924.

Ser. No. 201,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAUKESHA FLOUR MILLS, Waukesha, Wis. Filed Aug. 26, 1924.

Fluffy Flour

No claim is made to the word "Flour" apart from the mark as shown.

Particular description of goods.—Prepared Cake and Pastry Flour Made Entirely of Soft Winter Wheat and Not Self-Rising.

Claims use since June 3, 1924.

Ser. No. 201,954. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE GRIPAD CO., Inc., New York, N. Y. Filed Aug. 28, 1924.

GRIPAD

Particular description of goods.—Sanitary Belts.
Claims use since June 12, 1924.

Ser. No. 201,955. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. HALFF & BRO., San Antonio, Tex. Filed Aug. 28, 1924.

SUNSHINE

Particular description of goods.—Glenghams and Chevrons in the Piece.
Claims use since June 1, 1924.

Ser. No. 202,052. (CLASS 15. OILS AND GREASES.) FRANK WASHINGTON DRYDEN, doing business as Frank W. Dryden & Sons, Baltimore, Md. Filed Aug. 30, 1924.

DRYDINE

Particular description of goods.—Lubricating Automotive Oils and Greases.
Claims use since January, 1900.

Ser. No. 202,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Sept. 2, 1924.

Victoria

Particular description of goods.—Candy.
Claims use since about December, 1884.

Ser. No. 202,132. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELI J. MCBRIDE, doing business as Sellograph Company, San Francisco, Calif. Filed Sept. 2, 1924.

Sellograph

Particular description of goods.—Vending Machines.
Claims use since Apr. 5, 1924.

Ser. No. 202,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN J. TINKLEPAUGH, Livingston, N. Y. Filed Sept. 2, 1924.

TINKLEPACK

Particular description of goods.—Apples in Their Natural State.
Claims use since Sept. 13, 1923.

Ser. No. 202,235. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. ANDERSON TEXTILE MFG. CO., INC., New York, N. Y. Filed Sept. 5, 1924.

SILKISHEEN

Trade-mark consists of the word "Silkisheen."
Particular description of goods.—Mercerized-Finished Woven Cotton Poplin Broadcloth in the Piece.
Claims use since Aug. 1, 1924.

Ser. No. 202,253. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS J. HOROWITZ, doing business as Kleen-A-Skin Laboratory, Brooklyn, N. Y. Filed Sept. 5, 1924.



No claim is made to the exclusive use of the words "Skin Cream" apart from the mark as shown in the drawing.

Particular description of goods.—Skin Cream.
Claims use since May, 1920.

Ser. No. 202,292. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HAPPINESS CANDY STORES INC., Wilmington, Del., and Long Island City, N. Y. Filed Sept. 6, 1924.

The Fountain of Happiness

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Syrups for Making the Same.
Claims use since October, 1923.

Ser. No. 202,330. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BENJAMIN FRANKLIN CRANDALL, doing business as Hi-Power Abrasive Co., Huntington Park, Calif. Filed Sept. 8, 1924.

HI-POWER HP

Particular description of goods.—Metal Grinding and Lapping Compound.
Claims use since July 25, 1924.

Ser. No. 202,335. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EVANS LEAD CO., Charleston, W. Va. Filed Sept. 8, 1924.

HI-OXIDE

No claim is made to the word "Oxide" apart from the mark as shown on the drawing.
Particular description of goods.—Red Lead.
Claims use since May 15, 1924.

Ser. No. 202,336. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALTER FITZWATER, doing business as General Products Company, Bradford, Ohio. Filed Sept. 8, 1924.

GO-SUM

Particular description of goods.—Soaps, Cleansing Compounds, and Metal Polish.
Claims use since Mar. 10, 1924.

Ser. No. 202,340. (CLASS 12. CONSTRUCTION MATERIALS.) THE E. W. GROVE COMPANY, Jacksonville, Fla. Filed Sept. 8, 1924.



No claim is made to the word "Boards" and the representation of the goods aside from the mark as shown.
Particular description of goods.—Boards for Building Construction.
Claims use since Aug. 15, 1924.

Ser. No. 202,355. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., Lancaster, Pa. Filed Sept. 8, 1924.



No claim is made to the words "A Good Soap Since 1849" apart from the mark as shown.
Particular description of goods.—Soaps.
Claims use since June 6, 1924.

Ser. No. 202,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCOVILLE, BROWN & COMPANY, Wellsville, N. Y. Filed Sept. 8, 1924.



No claim is made to the word "Chop" apart from the other features of the mark.
Particular description of goods.—Tea.
Claims use since 1894.

Ser. No. 202,365. (CLASS 15. OILS AND GREASES.) WIRE ROPE LUBRICATING COMPANY, Trenton, N. J. Filed Sept. 8, 1924.

VITALIFE

Particular description of goods.—Lubricants for Wire Rope.
Claims use since July 23, 1924.

Ser. No. 202,427. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE WESTERN SPORTING GOODS MFG. CO., Chicago, Ill. Filed Sept. 9, 1924.

Western

Particular description of goods.—Baseballs, Baseball Gloves and Mitts, Baseball Bats, Baseball-Bat Bags, Baseball Masks, Baseball Body Protectors, Baseball Leg Guards, Baseball Uniform Rolls, Baseball Umpire Indicators, Baseball Slicing Pads, Baseball Bases, Wood and Canvas; Baseball Batting Cages, Indoor-Baseball

Balls, Indoor-Baseball Bats, Baseball Pitching Machines, Footballs, Football Bladders, Football Carriers, Football Shin Guards, Football Shoulder Pads, Football Elbow Pads, Football Knee Pads, Football Nose Guards, Football Score Indicators, Football Head Harness, Football Thigh Protectors, Football Tackling Dummies, Football Abdominal Protectors, Football Inflatables, Football Head-Lineman's Staff, Football Referees' Whistles, Tennis Balls, Tennis Rackets, Tennis Nets, Tennis-Racket Covers, Tennis-Racket Presses, Tennis-Court Dry Markers, Tennis-Court Wet Markers, Tennis-Net Center Straps, Tennis Tape Reels, Tennis Net Posts, Tennis Marking Tapes, Tennis Marking Plates, Tennis-Racket-Stringing Vises, Golf Balls, Golf Clubs, Golf Tees, Golf Parachute Golf Balls, Golf Bags, Golf Scorers, Golf Teeling Plates, Golf Grip Winders, Golf Wool Practice Balls, Golf Sand Box and Tee Stands, Golf Caddy Bags, Canvas and Leather, Golf-Bag Hoods, Golf-Ball Markers, Golf Booty Bags, Golf Putting Disks, Golf-Ball Cleaners, Golf Hole Cutters, Golf Hole Rims, Golf Marking Disks and Flags, Golf Locker Bags, Golf Direction Arrows, Indoor-Golf Outfits, Basket Balls, Basket-Ball Goals, Basket-Ball Goal Nets, Basket-Ball Elbow Pads, Basket-Ball Knee Pads, Basket-Ball Thumb Protectors, Basket-Ball Abdominal Protectors, Basket-Ball Referees' Whistles, Basket-Ball Eyeglass Protectors, Boxing Gloves, Striking Bags, Striking-Bag Platforms, Striking-Bag Swivels, Striking-Bag Gloves, Sand Bags, Handball, Handball Gloves, Medicine Balls, Gymnasium Mats, Shot, Leather and Metal, Throwing Hammers, Toe or Stop Boards, Take-Off Boards, Dumb-Bells, Indian Clubs, Horizontal Bars, Spring-Grip Dumb-Bells, Iron and Rubber Quoits, Wands, Spring Exercisers, Pulley and Weight Exercisers, Chest Pull Exercisers, Discus, Adjustable Hurdles, Vaulting Poles, Jumping and Vaulting Standards, Javelins, Rowing Machines, Toboggans, Hockey Sticks, Skis, Ski Poles, Ski Foot Bindings, Ice Skates, Roller Skates, Ball Trap Apparatus, Archery Implements, Particularly Bows, Arrows, Quivers, Targets, and Stands for Holding Targets, Boomerangs, Fencing Fells, Fencing Gauntlets, Fish Hooks, Fish Tongs, Fishing Lines, Fishing Nets, Fishing Reels, Fishing Rods and Poles, Fish Spears, Artificial Fishing Bait, Megaphones, Cage Balls, Croquet Sets, Decoys for Use in Hunting.

Claims use since about 1900.

Ser. No. 292,441. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE EAST MOLINE SOAP MANUFACTURING CO., East Moline, Ill. Filed Sept. 10, 1924.



Particular description of goods.—Soaps.
Claims use since June 3, 1924.

Ser. No. 202,467. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Sept. 10, 1924.



Applicant disclaims the right to the exclusive use of the words "Wear Proof" apart from the trade-mark shown in the drawing.

Particular description of goods.—Auto and Furniture Enamel, Bathtub Enamel, Screen Enamel, Stovepipe Enamel, Ground Color, Graining Color, Floor and Auto Wax, Bronze Paints, Mission Stain, Graining Liquid, Varnish Stain, Enamel Undercoater, Penetrating Stains, Crack and Crevice Filler, Mixed Paints, Varnishes, and Enamels.

Claims use since Aug. 29, 1924.

Ser. No. 202,474. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MACK WILSON, doing business as Tarnoff Chemical Co., Cleveland, Ohio. Filed Sept. 10, 1924.



Particular description of goods.—Automobile, Piano, and Furniture Polishes.

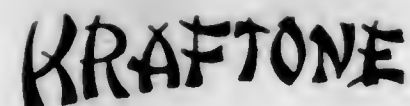
Claims use since Aug. 16, 1924.

Ser. No. 202,492. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH VIGNIER DESS, Burhams, N. Y. Filed Sept. 11, 1924.



Particular description of goods.—Face Cream.
Claims use since Nov. 1, 1923.

Ser. No. 202,498. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DAVID HASSETT CORPORATION, New York, N. Y. Filed Sept. 11, 1924.



Particular description of goods.—Jute and Cotton Rugs.
Claims use since Mar. 1, 1924.

Ser. No. 202,504. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) INTEGRITY PAINT CO., New Haven, Conn. Filed Sept. 11, 1924.



Particular description of goods.—Paste Paint and Ready-Mixed Paint.

Claims use since Sept. 2, 1924.

Ser. No. 202,558. (CLASS 37. PAPER AND STATIONERY.) LIBRARY BUREAU, Cambridge, Mass. Filed Sept. 12, 1924.



Particular description of goods.—Indexes and Parts Thereof.

Claims use since Mar. 15, 1912.

Ser. No. 202,564. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PHIL FELIX PECARD, Lena, Wis. Filed Sept. 12, 1924.



Particular description of goods.—Shoe Dressing.
Claims use since Mar. 15, 1920.

Ser. No. 202,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEXANDER GALLERANI CO., Pittsburgh, Pa. Filed Sept. 13, 1924.



Applicant makes no claim to the word "Brand" as a word apart. The drawing is lined for shading only.

Particular description of goods.—Noodles, Macaroni, and Spaghetti.

Claims use since June 27, 1924.

Ser. No. 202,584. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich. Filed Sept. 13, 1924.



Particular description of goods.—Varnish.
Claims use since Feb. 1, 1919.

Ser. No. 202,585. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich. Filed Sept. 13, 1924.



Particular description of goods.—Varnish.
Claims use since Mar. 1, 1920.

Ser. No. 202,601. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE WALPAMUR COMPANY, LIMITED, Darwen, Lancashire, England. Filed Sept. 13, 1924.



Particular description of goods.—Dry, Paste, and Ready-Mixed Paint, Varnishes, Paint Enamels, Paint Dry Colors, and Paint Colors in Oil.
Claims use since Mar. 8, 1909.

Ser. No. 202,605. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WORMLEY CO., Rochelle, Ill. Filed Sept. 13, 1924.



STOMAX-RELIEF

The portrait appearing in the drawing is that of M. J. Wormley.

Particular description of goods.—Stomach Medicine.
Claims use since Aug. 30, 1924.

Ser. No. 202,633. (CLASS 38. PRINTS AND PUBLICATIONS.) MOORE PRINTING CO., INC., Newburgh, N. Y. Filed Sept. 15, 1924.



Particular description of goods.—Magazine Issued Annually.
Claims use since July 1, 1922.

Ser. No. 202,651. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTER L. WEIL, New York, N. Y. Filed Sept. 15, 1924.

PENLLYN FABRICS

No claim is made to the use of the word "Fabrics" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.

Particular description of goods.—Shirting, Underwear, and Dress Fabrics, Domestic Broadcloth, Colored Yarn Shirtings of Cotton in the Piece.

Claims use since Sept. 2, 1924.

Ser. No. 202,657. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CAROLINA BEVERAGE COMPANY, Salisbury, N. C. Filed Sept. 16, 1924.

Cheerwine

Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink.
Claims use since Nov. 1, 1918.

Ser. No. 202,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEBRASKA CONSOLIDATED MILLS COMPANY, Omaha, Nebr. Filed Sept. 16, 1924.



The words "The Household Favorite," "The Flour with a Flavor," and "Best" are disclaimed except in connection with the mark shown, the common-law rights therein being reserved.

Particular description of goods.—Wheat Flour and Graham Flour.

Claims use since Mar. 13, 1924.

Ser. No. 202,714. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RHEUM-A-LEAF COMPANY, Des Moines, Iowa. Filed Sept. 17, 1924.



The drawing is lined for green, but it is not intended to limit the use of the trade-mark exclusively to the use of that color.

Particular description of goods.—Preparation for the Treatment of Rheumatism and Similar Ailments.

Claims use since Sept. 8, 1924.

Ser. No. 202,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Sept. 17, 1924. Under ten-year proviso.

DR. WARD'S

Particular description of goods.—Liniments.
Claims use since 1893.

Ser. No. 202,737. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FREDERICK C. BREWER, Los Angeles, Calif. Filed Sept. 18, 1924.

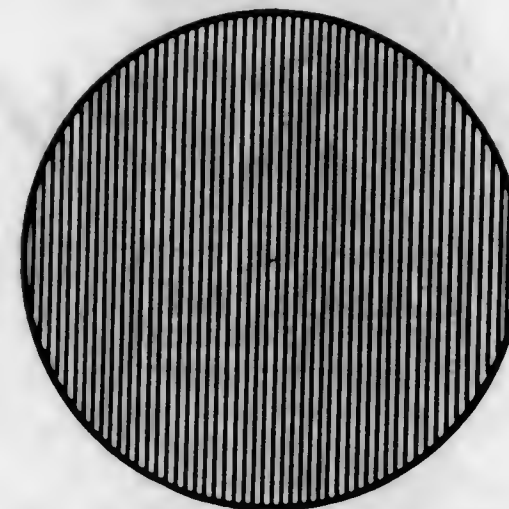
FOOTSURE
Safety BATH MAT

Trade-mark comprises the words "Footsure Safety Bath Mat," "Safety Bath Mat" is disclaimed apart from the mark as shown.

Particular description of goods.—Mats to Insure Safe Footing in Baths, Showers, and Like Places.

Claims use since Sept. 10, 1924.

Ser. No. 202,738. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FREDERIC J. BRYANT, doing business as American Chain Ladder Company, New York, N. Y. Filed Sept. 18, 1924.



Trade-mark consists of a disk or circular spot of red color.

Particular description of goods.—Chain Ladders.

Claims use since Nov. 1, 1923.

Ser. No. 202,760. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SAFETY DRY CLEANING SYSTEM CO., Camden, N. J. Filed Sept. 18, 1924.



Particular description of goods.—Cleaning Compounds for Fabrics.

Claims use since Sept. 2, 1924.

Ser. No. 202,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN C. REILLY and ROBERT T. NORTHCUTT, doing business as General Packing Company, Philadelphia, Pa. Filed Sept. 19, 1924.



Particular description of goods.—Jelly Concentrate Composed of Fruit Juices and Pectin.

Claims use since June 24, 1923.

Ser. No. 202,797. (CLASS 2. RECEPTACLES.) DOLLAR DRY CLEANING CO., INC., Buffalo, N. Y. Filed Sept. 20, 1924.



Particular description of goods.—Paper Bags.

Claims use since November, 1918.

Ser. No. 202,801. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ELCAR MOTOR COMPANY, Elkhart, Ind. Filed Sept. 20, 1924.



Particular description of goods.—Automobiles.
Claims use since Dec. 14, 1915.

Ser. No. 202,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

Tastigood

Particular description of goods.—Oleomargarine.
Claims use since Apr. 19, 1918.

Ser. No. 202,834. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

PRIMROSE

Particular description of goods.—Cottonseed Salad Oil.
Claims use since May 27, 1907.

Ser. No. 202,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

Puronut

Particular description of goods.—Oleomargarine.
Claims use since May 13, 1920.

Ser. No. 202,836. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

Calinut

Particular description of goods.—Oleomargarine.
Claims use since Apr. 19, 1918.

Ser. No. 202,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

Mayrose

Particular description of goods.—Dressed Poultry, Butter, Eggs, Cheese, Smoked Meats, and Sausage.
Claims use since June 1, 1914.

Ser. No. 202,840. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WHEELING BRONZE CASTING CO., Wheeling, W. Va. Filed Sept. 20, 1924.

B & M

Particular description of goods.—Metal Castings, Rolled Rods, Hollow Rods, Rolled Sheets, and Forgings.
Claims use since February, 1917.

Ser. No. 202,859. (CLASS 15. OILS AND GREASES.) DERBY OIL COMPANY, Wichita, Kans. Filed Sept. 22, 1924.



The lining expresses the color red. No claim is made to the words "To Service, Gasoline, Motor Oils, & Greases" apart from the mark shown.

Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils.

Claims use since July 1, 1922.

Ser. No. 202,874. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Sept. 22, 1924.



No claim is made to the words "Cambridge, Mass., U. S. A." apart from the mark shown.

Particular description of goods.—Soap.

Claims use since Sept. 13, 1924.

Ser. No. 202,918. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed Sept. 23, 1924.

NO. 020

Particular description of goods.—Colored Crayons.
Claims use since Aug. 21, 1907.

Ser. No. 202,919. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed Sept. 23, 1924.

Nº X 19

Particular description of goods.—Colored Crayons.
Claims use since May 2, 1924.

Ser. No. 202,920. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed Sept. 23, 1924.

Nº 019

Particular description of goods.—Colored Crayons.
Claims use since Sept. 1, 1899.

Ser. No. 202,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FILTROL COMPANY, Los Angeles, Calif. Filed Sept. 24, 1924.

FILTROL

Particular description of goods.—Chemically-Treated Colloidal Clay Adapted for Use as a Decolorizing, Bleaching, Filtering, Purifying, and Absorbing Medium.
Claims use since Oct. 13, 1921.

Ser. No. 203,012. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SIVIER STEEL CASTING COMPANY, Milwaukee, Wis. Filed Sept. 24, 1924.



Particular description of goods.—Steel Castings.
Claims use since about Mar. 1, 1909.

Ser. No. 203,015. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNITED SILK COMPANY, Boston, Mass. Filed Sept. 24, 1924.



Particular description of goods.—Silk Piece Goods.
Claims use since January, 1924.

Ser. No. 203,027. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY DISTON & SONS, INCORPORATED, Philadelphia, Pa. Filed Sept. 25, 1924.



Particular description of goods.—Saws, Saw Handles, Inserted Saw Teeth, Inserted Saw-Teeth-Holders, Saw Mandrels, Saw Gummers, Saw-Gummer Cutters, Saw-Gummer Grinders, Saw Swages, Saw Shapers, Saw Sets, Saw-Filling Clamps, Saw-Filling-Clamp Guides, Saw Sharpeners, Saw Punches, Saw Frames, Sawbucks, Saw Rods, Saw Screws, Saw Tools, Handsaw Shears, Wrenches, Trowels, Cane Knives, Corn Knives, Beet Knives, Hedge Knives, Machetes, Machine Knives, Circular Knives, Pruning Hooks, Fusion Disks, Posthole Diggers, Screw Drivers, Doctor Blades, Gin-Roller Blades, Currier Blades, and Cabinet Scrapers.
Claims use since 1862.

Ser. No. 203,028. (CLASS 31. FILTERS AND REFRIGERATORS.) EARNSHAW MANUFACTURING CORPORATION, Philadelphia, Pa. Filed Sept. 25, 1924.

FROSTIC

Particular description of goods.—Refrigerators.
Claims use since Mar. 19, 1924.

Ser. No. 203,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS LEO HOGAN, doing business as Flore-Reale, Syracuse, N. Y. Filed Sept. 25, 1924.

FLORE-REALE

Particular description of goods.—Perfumes, Face and Talcum Powders, Creams, Shampoos, Bath Salts, Hair Tonic, and Skin Tonics.
Claims use since June, 1923.

Ser. No. 203,037. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS LEO HOGAN, doing business as Flore-Reale, Syracuse, N. Y. Filed Sept. 25, 1924.



Particular description of goods.—Perfumes, Face and Talcum Powders, Creams, Shampoos, Bath Salts, Hair Tonics, and Skin Tonics.
Claims use since May, 1922.

Ser. No. 203,045. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SAMUEL LEWIS, New York, N. Y. Filed Sept. 25, 1924.

WALDORF

Trade-mark "Waldorf."
Particular description of goods.—Dustpans.
Claims use since 1909.

Ser. No. 203,053. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) T. J. RONAN COMPANY, INC., Brooklyn, N. Y. Filed Sept. 25, 1924.

UNIQUE

Particular description of goods.—Paste Paint and Ready-Mixed Paint.
Claims use since Jan. 9, 1920.

Ser. No. 203,057. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JACOB STEIN, doing business as Climax Rubber Company, New York, N. Y. Filed Sept. 25, 1924.

PRESTO

Particular description of goods.—Rubber Reducing Garments—viz, Corsets, Girdles, Brassières, Ankle Reducers, and Diaphragm Reducers.
Claims use since January, 1924.

Ser. No. 203,074. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ALBERT G. DAVIS, Chipley, Fla. Filed Sept. 26, 1924.

Safras

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Aug. 14, 1924.

Ser. No. 203,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAGE & SHAW, INCORPORATED, Cambridge, Mass. Filed Sept. 26, 1924.

CHEST OF CROESUS

Particular description of goods.—Candy.
Claims use since Jan. 1, 1924.

Ser. No. 203,137. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MONTAGUE CITY ROD CO., Montague City, Mass.; Brooklyn, N. Y.; and Amherst, Mass. Filed Sept. 27, 1924.

SUPERB

Trade-mark "Superb."
Particular description of goods.—Fishing Rods and Reels.
Claims use since Aug. 1, 1919.

Ser. No. 203,147. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THEOPHILUS SCHMID, doing business as W. H. Wexelberg & Co., Chicago, Ill. Filed Sept. 27, 1924. Under ten-year proviso.

The Magnetic Teething Necklace

Particular description of goods.—Infants' Teething Devices.
Claims use since about 1889.

Ser. No. 203,159. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Sept. 29, 1924.

Durite

Particular description of goods.—Prepared Roofing.
Claims use since June 24, 1918.

Ser. No. 203,160. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LOUIS M. BLOCK, doing business as Block Manufacturing Co., New York, N. Y. Filed Sept. 29, 1924.

PARO

Particular description of goods.—Nursing Nipples.
Claims use since about Mar. 29, 1924.

Ser. No. 203,161. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Sept. 29, 1924.

AUTUMN BLEND

Particular description of goods.—Prepared Roofing.
Claims use since Sept. 10, 1923.

Ser. No. 203,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRITTON BROTHERS, Mishawaka, Ind. Filed Sept. 29, 1924.

PROCO

Particular description of goods.—Viscous and Plastic Compositions for Application to Wood, Metal, Concrete, Brick, Fabrics, and Rubber for the Waterproofing and Preservation Thereof Against Deterioration and Disintegration.
Claims use since May 10, 1924.

Ser. No. 203,164. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FLOYD D. CERF, Chicago, Ill. Filed Sept. 29, 1924.



No claim is made to the word "Bumpers" per se or to the representation of a bumper per se.
Particular description of goods.—Automobile Bumpers.
Claims use since July 31, 1924.

Ser. No. 203,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCIS E. DAVIS, doing business as The Chlor-In-Haler Laboratories, Kansas City, Mo. Filed Sept. 29, 1924.

CHLOR-IN-HALER

Particular description of goods.—Medicinal Preparation for the Treatment of Respiratory Disorders.
Claims use since July 5, 1924.

Ser. No. 203,193. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PEOPLES BOTTLING COMPANY, INC., Akron, Ohio. Filed Sept. 29, 1924.

SILVER DALE

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.
Claims use since Jan. 15, 1921.

Ser. No. 203,201. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE POGM CO., INC., Malden, Mass. Filed Sept. 29, 1924.

"WUNDERTASTE"

Particular description of goods.—Table Relishes.
Claims use since Sept. 13, 1924.

Ser. No. 203,210. (CLASS 15. OILS AND GREASES.) STOLL OIL REFINING COMPANY, Louisville, Ky. Filed Sept. 29, 1924.

GOLDEN-TIP

No claim is made to the word "Gasoline."
Particular description of goods.—Gasoline.
Claims use since Sept. 1, 1924.

Ser. No. 203,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELBORN PHARMACAL CO. INC., Brooklyn, N. Y. Filed Sept. 30, 1924.

FELCO

Trade-mark consists of the word "Felco."
Particular description of goods.—Bay Rum, Hair Tonic, Essence of Peppermint, Spirits of Camphor, Aromatic Spirits of Ammonia, Chloroform Liniment, Essence of Peppin, Elixir Terpene Hydrate, Liquor Alumini Acetatis, Spirit Nitrous Ether, Tinctura Opii Camphorata, Tincture of Benzoin Compound, Tincture of Iodine, Tincture of Benzoin, Coconut-Oil Shampoo, Mineral Oil, Rubbing Alcohol, Mentholated Pine Tar with Extract of Cod Liver and Eucalyptus, Stokes Expectorant, Alkaline Antiseptic Solution, Glycerin, Camphorated Oil, Wild-Cherry Expectorant, Elixir Catnip and Fennel, Soap Liniment, Glycerin and Rose Water, Tincture of Green Soap, Antiseptic Solution or Mouth Wash and Gargle, Aromatic Castor Oil, Rhubarb and Soda Mixture, White Pine with Tar Mentholated, Fluid Extract of Cascara Sagrada, Shaving Lotion, Tincture of Arnica, Antiseptic Throat Gargle, Larkspur Lotion, Sirup of White-Pine Compound with Tar, Sirup of White-Pine Compound, Cascara Sagrada Aromatic, Tar Shampoo, Castor Oil, Brown Mixture for Colds, and Baby Cough Sirup.

Claims use since May, 1920.

Ser. No. 203,239. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NUTTING TRUCK COMPANY, Fairbault, Minn. Filed Sept. 30, 1924.

GOPHER

Particular description of goods.—Floor Trucks.
Claims use since Aug. 11, 1924.

Ser. No. 203,246. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WINSLOW MANUFACTURING COMPANY, Vallejo, Calif. Filed Sept. 30, 1924.



Particular description of goods.—Oil Filters and Air Cleaners for Internal-Combustion and Other Engines and Carburetors.

Claims use since July 1, 1923.

Ser. No. 203,288. (CLASS 5. ADHESIVES.) VAN CLEEF BROS., Chicago, Ill. Filed Oct. 1, 1924.



The word "Brand" is hereby disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Adhesive Cements and Pastes, Adhesive Tapes, Rubber Cement, Liquid Rubber, Tread Filler, Cut Filler, Rubber Patch, and Tire Fluid.

Claims use since January, 1911.

Ser. No. 203,311. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Oct. 2, 1924.



Particular description of goods.—Inner Tubes for Automobile Tires.

Claims use since June 5, 1922.

Ser. No. 203,316. (CLASS 15. OILS AND GREASES.) INTER-CITIES OIL COMPANY, Springfield, Ohio. Filed Oct. 2, 1924.



Particular description of goods.—Lubricating Oils and Greases.

Claims use since Nov. 10, 1921.

Ser. No. 203,317. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN A. KEEFER, Long Beach, N. Y. Filed Oct. 2, 1924.

MOVE-MINTS

Particular description of goods.—Peppermint Purgative Candy.

Claims use since Mar. 1, 1924.

Ser. No. 203,366. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BONWIT, TELLER & COMPANY, New York, N. Y. Filed Oct. 3, 1924.

VENEZ AVEC MOI

Particular description of goods.—Perfume and Toilet Water.

Claims use since Aug. 29, 1924.

Ser. No. 203,385. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OLOF A. NORLUND, doing business as O. A. Norlund Co., Williamsport, Pa. Filed Oct. 3, 1924.

LION

Particular description of goods.—Fish Gifts.
Claims use since Jan. 1, 1902.

Ser. No. 203,413. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Oct. 4, 1924.



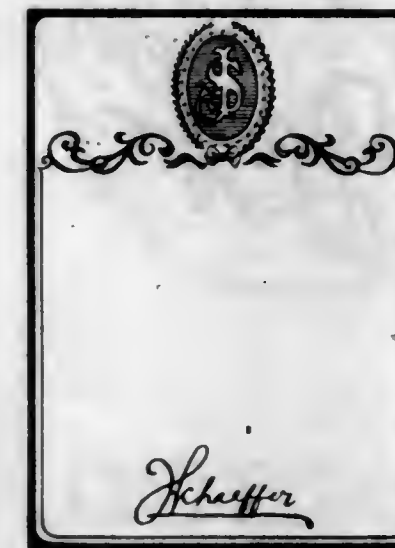
No claim is made to the representation of the goods apart from the other features of the mark, all common-law rights, however, being expressly reserved, the picture of the boy being fanciful.

Particular description of goods.—Football.

Claims use since July 9, 1924.

329 O. G.—4

Ser. No. 203,442. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. SCHAEFFER, Inc., New York, N. Y. Filed Oct. 4, 1924.



The trade-mark is usually printed in blue.
Particular description of goods.—Preparations for Hair and Scalp—Namely, Hair and Scalp Tonic and Hair-dressing.

Claims use since Oct. 1, 1922.

Ser. No. 203,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 6, 1924.

STA-CURL

Particular description of goods.—Preparation Used in Curling and Waving Hair.
Claims use since Apr. 24, 1914.

Ser. No. 203,500. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WORLD BOTTLING CO. LTD., New Orleans, La. Filed Oct. 6, 1924.

SWEET MANDY

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Apr. 9, 1923.

Ser. No. 203,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREYER ICE CREAM COMPANY, Philadelphia, Pa., and New York, N. Y. Filed Oct. 7, 1924.



Particular description of goods.—Fresh Milk.
Claims use since Sept. 1, 1923.

Ser. No. 203,576. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) KIMBERLY-CLARK COMPANY, Neenah, Wis. Filed Oct. 8, 1924.

SANEK

Particular description of goods.—Sanitary Barber Neck Strips.
Claims use since Sept. 20, 1924.

Ser. No. 203,583. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MORLEY BUTTON MANUFACTURING COMPANY, Boston, Mass. Filed Oct. 8, 1924.

Yellow

Trade-mark consists of the word "Yellow." No trade-mark right is claimed in a golf tee colored yellow.
Particular description of goods.—Golf Tees.
Claims use since Sept. 29, 1924.

Ser. No. 203,684. (CLASS 39. CLOTHING.) FREDERICK FRANCIS LAWALL, doing business as Walk-Ezy Hosiery Co., Phillipsburg, N. J. Filed Oct. 10, 1924.

Priceless

Particular description of goods.—Hosiery.
Claims use since Sept. 23, 1924.

Ser. No. 203,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZIZ LABORATORIES, INC., Los Angeles, Calif. Filed Oct. 10, 1924.



Particular description of goods.—Dermatological Products—Namely, Hair Tonic, Scalp Remedy, and Medical Preparations—Namely, Headache Tablets.
Claims use since Aug. 10, 1923.

Ser. No. 203,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATRICK ELLIS & COMPANY, Evansville and Logansport, Ind. Filed Oct. 11, 1924. Under ten-year proviso.

ELLIS'

Particular description of goods.—Liniment.
Claims use since 1884.

Ser. No. 203,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOBBS & Co., New York, N. Y. Filed Oct. 13, 1924.



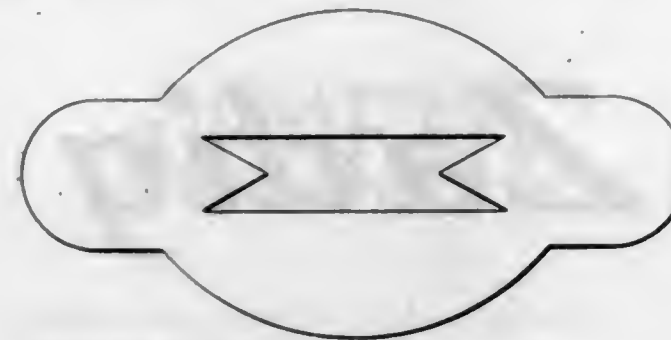
Particular description of goods.—Perfumes, Toilet Waters, and Toilet Powders.
Claims use since May, 1924.

Ser. No. 203,797. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EL PASO SASH & DOOR COMPANY, El Paso, Tex. Filed Oct. 13, 1924.



Particular description of goods.—Packages of Wood for Manual Training and Home Work.
Claims use since Aug. 15, 1924.

Ser. No. 203,838. (CLASS 39. CLOTHING.) ROLLINS HOSIERY MILLS, Des Moines, Iowa. Filed Oct. 13, 1924.



Particular description of goods.—Men's, Women's, and Children's Cotton and Wool and Silk Hosiery.
Claims use since Sept. 15, 1924.

Ser. No. 203,839. (CLASS 39. CLOTHING.) ROLLINS HOSIERY MILLS, Des Moines, Iowa. Filed Oct. 13, 1924.



Particular description of goods.—Men's, Women's, and Children's Cotton, Wool, and Silk Hosiery.
Claims use since Sept. 15, 1924.

Ser. No. 203,843. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. SLATER & SONS, INC., New York, N. Y. Filed Oct. 13, 1924. Under ten-year proviso.

SLATER

Particular description of goods.—Cotton Piece Goods.
Claims use since February, 1888.

Ser. No. 203,867. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE SCHAEFER TENT & AWNING COMPANY, Denver, Colo. Filed Oct. 14, 1924.

STACO

Particular description of goods.—Tents, Water Bags, and All Canvas Articles.
Claims use since about Oct. 1, 1923.

Ser. No. 203,906. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) GEORGE SCHLEMMER, New York, N. Y. Filed Oct. 15, 1924.

SRUTG

Particular description of goods.—Umbrella-Tip Guards.
Claims use since Sept. 3, 1924.

Ser. No. 203,929. (CLASS 39. CLOTHING.) J. BAACH COMPANY, Chicago, Ill. Filed Oct. 16, 1924.

Roomey Bloomeys

Particular description of goods.—Ladies' and Children's Bloomers of Textile Fabrics.
Claims use since about Sept. 10, 1922.

Ser. No. 203,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAINS & GREENSTEIN INC., New York, N. Y. Filed Oct. 16, 1924.

Silverweb

Trade-mark consists of the word "Silverweb."
Particular description of goods.—Cotton Piece Goods.
Claims use since June, 1924.

Ser. No. 203,970. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Oct. 16, 1924.

ASK THE MAN WHO OWNS ONE

Trade-mark consists of the following: "Ask the Man Who Owns One."
Particular description of goods.—Automobiles and Constructive Parts Thereof.
Claims use since 1923.

Ser. No. 204,002. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed Oct. 17, 1924.

HOME-TOWN

Particular description of goods.—Ready-Mixed Paints and Varnishes.
Claims use since Sept. 1, 1924.

Ser. No. 204,003. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed Oct. 17, 1924.

LUXAGLOSS

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Enamels.
Claims use since Sept. 1, 1924.

Ser. No. 204,006. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE BLACK COAL COMPANY, Meyersdale, Pa. Filed Oct. 17, 1924.

SILVER VALLEY COAL

No claim is made to the word "Coal" apart from the mark as shown on the drawing.
Particular description of goods.—Coal.
Claims use since about Sept. 1, 1920.

Ser. No. 204,060. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Oct. 17, 1924.

Miridoe

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since Aug. 1, 1924.

Ser. No. 204,061. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Oct. 17, 1924.

Tamerlane

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 25, 1924.

Ser. No. 204,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Oct. 17, 1924.

Zadig

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 25, 1924.

Ser. No. 204,063. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Oct. 17, 1924.

Silpacca

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 25, 1924.

Ser. No. 204,064. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Oct. 17, 1924.

Kurdo

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 25, 1924.

Ser. No. 204,065. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Oct. 17, 1924.

Bengalia

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 25, 1924.

Ser. No. 204,103. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LE BLUME IMPORT CO., INC., New York, N. Y. Filed Oct. 18, 1924.

BLUMETTE

Particular description of goods.—Perfumery.
Claims use since Apr. 9, 1924.

Ser. No. 204,137. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM WINEBURGH, doing business as Unburnable Products Company, New York, N. Y. Filed Oct. 18, 1924.

EXO

Particular description of goods.—Chemical Fire-Extinguishing Compound.
Claims use since Oct. 7, 1924.

Ser. No. 204,174. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KALTENBACH & STEPHENS, INC., New York, N. Y. Filed Oct. 20, 1924.



Particular description of goods.—Ribbons and Broad Piece Goods Both Made Wholly or in Part of Silk, Artificial Silk, Cotton, and Mixtures Thereof.
Claims use since about Sept. 17, 1924.

Ser. No. 204,182. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONARCH LEATHER COMPANY, Chicago, Ill. Filed Oct. 20, 1924.

ELKMOOR

Particular description of goods.—Leather.
Claims use since on or about Apr. 1, 1924.

Ser. No. 204,193. (CLASS 39. CLOTHING.) POWERS & ALLEN Co., Boston, Mass. Filed Oct. 20, 1924.



Particular description of goods.—Ladies' Hats.
Claims use since Sept. 1, 1924.

Ser. No. 204,198. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ROSE SALATORIUM CO., Rome City, Ind. Filed Oct. 20, 1924.



Particular description of goods.—Medicinal Salts.
Claims use since Jan. 1, 1924.

Ser. No. 204,254. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WEEKS, SAWYER & COMPANY, New York, N. Y. Filed Oct. 21, 1924.

The Heart of the Argument

Particular description of goods.—Cotton Fabrics.
Claims use since Sept. 10, 1924.

Ser. No. 204,280. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTHONY ROCA, New York, N. Y. Filed Oct. 22, 1924.



Particular description of goods.—Fresh Fruit.
Claims use since Sept. 1, 1924.

Ser. No. 204,301. (CLASS 43. THREAD AND YARN.) JOSEPH BENN CORPORATION, doing business as Greystone Mills, Greystone, R. I., and New York, N. Y. Filed Oct. 23, 1924.

GREYSTONE

Trade-mark consists of the word "Greystone."
Particular description of goods.—Yarns Composed of Fleece or Hair Fibers, Cotton, Real and Artificial Silk, or Combinations of the Same.
Claims use since August, 1924.

Ser. No. 204,316. (CLASS 33. GLASSWARE.) HAMMEL, RIGLANDER & Co., New York, N. Y. Filed Oct. 23, 1924.



Particular description of goods.—Watch Glass and Crystals.
Claims use since Sept. 20, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 2, 1924.

192,239. BOOTS AND SHOES OF LEATHER, OF FABRIC, OR OF A COMBINATION OF BOTH. REGAL SHOE COMPANY, Portland, Me., and Boston, Mass. Filed September 29, 1922. Serial No. 170,088. PUBLISHED JULY 22, 1924.

192,240. CARAMEL PASTE, NOUGAT CREAM, MARSHMALLOW TOPPING, CAKE ICINGS, FUDGE DRESSINGS, AND SUNDAY DRESSINGS. KAY-WHITE PRODUCTS, INC., New York, N. Y. Filed February 23, 1923. Serial No. 176,478. PUBLISHED SEPTEMBER 16, 1924.

192,241. ARTICLES OF WEARING APPAREL—NAMESLY, WAISTS, BLOUSES, AND DRESSES. EULABEE DIX BECKER, New York, N. Y. Filed March 16, 1923. Serial No. 177,541. PUBLISHED SEPTEMBER 9, 1924.

192,242. SANDWICHES. CORDNER PRODUCTS COMPANY, Chicago, Ill., assignor to Potato Dog Corporation, Chicago, Ill. Filed April 7, 1923. Serial No. 178,715. PUBLISHED SEPTEMBER 16, 1924.

192,243. GRAPES IN THEIR NATURAL STATE. THOMAS MOURADICK, Lone Star, Calif. Filed July 17, 1923. Serial No. 183,341. PUBLISHED SEPTEMBER 16, 1924.

192,244. NURSERY STOCK. JEWELL NURSERY COMPANY, Lake City, Minn. Filed July 20, 1923. Serial No. 183,486. PUBLISHED SEPTEMBER 9, 1924.

192,245. CLOTHING. S. BLECHMAN & SONS INC., New York, N. Y. Filed August 7, 1923. Serial No. 184,158. PUBLISHED SEPTEMBER 9, 1924.

192,246. CEMENT. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed August 13, 1923. Serial No. 184,419. PUBLISHED SEPTEMBER 9, 1924.

192,247. CANDY—NAMESLY, MOLASSES CANDY, FRUIT CANDY, AND CHOCOLATE CANDY. SVENNING DREYER, Woodcliff, N. J. Filed August 18, 1923. Serial No. 184,660. PUBLISHED SEPTEMBER 16, 1924.

192,248. POULTRY FEED. KASCO MILLS, INC., Waverly, N. Y. Filed February 4, 1922. Serial No. 158,874. PUBLISHED SEPTEMBER 16, 1924.

192,249. SPECTACLES, EYEGLASSES, GOGGLES, EYE-TESTING INSTRUMENTS, GLASS-TESTING INSTRUMENTS, LENS-MEASURING INSTRUMENTS, AND PARTS THEREOF. UNIVERSAL OPTICAL CORPORATION, Providence, R. I. Filed April 7, 1922. Serial No. 161,906. PUBLISHED SEPTEMBER 9, 1924.

192,250. SPECTACLES, EYEGLASSES, GOGGLES, EYE-TESTING INSTRUMENTS, GLASS-TESTING INSTRUMENTS, LENS-MEASURING INSTRUMENTS, AND PARTS THEREOF. UNIVERSAL OPTICAL CORPORATION, Providence, R. I. Filed April 7, 1922. Serial No. 161,907. PUBLISHED SEPTEMBER 9, 1924.

192,251. INTESTINAL TONIC. HENRY L. DES ANGES, doing business as Pep-o-Petrolatum Company, Flushing, N. Y. Filed September 22, 1923. Serial No. 186,050. PUBLISHED SEPTEMBER 16, 1924.

192,252. CERTAIN NAMED WOVEN AND KNITTED AND NETTED TEXTILE PIECE GOODS. EUREKA WOOLEN MILLS, Eureka, Calif. Filed October 31, 1923. Serial No. 187,735. PUBLISHED JULY 8, 1924.

192,253. CERTAIN MACHINERY. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Filed November 14, 1923. Serial No. 188,292. PUBLISHED SEPTEMBER 9, 1924.

192,254. CERTAIN WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS. CHENEY BROTHERS, South Manchester, Conn. Filed June 13, 1924. Serial No. 198,504. PUBLISHED SEPTEMBER 16, 1924.

192,255. BUTTER AND CHEESE. LOVELL & CHRISTMAS, (U. S. A.) LIMITED, New York, N. Y.

Filed June 24, 1924. Serial No. 199,070. PUBLISHED SEPTEMBER 16, 1924.

192,256. FRESH CANTALOUPE. V. H. AZHDERIAN, Turlock, Calif.

Filed June 26, 1924. Serial No. 199,141. PUBLISHED SEPTEMBER 16, 1924.

192,257. DRY POWDER COOKED SOUP STOCK. DAVID MCMORRAN, Port Huron, Mich.

Filed June 26, 1924. Serial No. 199,177. PUBLISHED SEPTEMBER 16, 1924.

192,258. FRESH AND CURED PORK AND SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.

Filed July 3, 1924. Serial No. 199,585. PUBLISHED SEPTEMBER 16, 1924.

192,259. BUTTER AND CHEESE. LOVELL & CHRISTMAS, (U. S. A.) LIMITED, New York, N. Y.

Filed June 24, 1924. Serial No. 199,071. PUBLISHED SEPTEMBER 16, 1924.

192,260. BUTTER AND CHEESE. LOVELL & CHRISTMAS, (U. S. A.) LIMITED, New York, N. Y.

Filed June 24, 1924. Serial No. 199,072. PUBLISHED SEPTEMBER 16, 1924.

192,261. HOSIERY. McLELLAN STORES COMPANY, New York, N. Y.

Filed June 24, 1924. Serial No. 199,075. PUBLISHED SEPTEMBER 9, 1924.

192,262. HOSIERY. IPSWICH MILLS, Boston, Mass.

Filed June 25, 1924. Serial No. 199,116. PUBLISHED SEPTEMBER 9, 1924.

192,263. MEN'S AND BOYS' DRESS SHIRTS AND MEN'S ATHLETIC UNDERWEAR. CHESTERFIELD SHIRT COMPANY, Louisville, Ky.

Filed June 26, 1924. Serial No. 199,149. PUBLISHED SEPTEMBER 9, 1924.

192,264. HOSIERY, UNDERWEAR, INFANTS' AND CHILDREN'S DRESSES, BLANKETS, AND INFANTS' KNIT WEAR. EDWARD L. LASSAR, doing business as Pretty Baby Hosiery Co., Cleveland, Ohio.

Filed June 26, 1924. Serial No. 199,171. PUBLISHED SEPTEMBER 9, 1924.

192,265. COLLARS FOR SWEATERS. CADET KNITTING COMPANY, Philadelphia, Pa.

Filed June 27, 1924. Serial No. 199,218. PUBLISHED SEPTEMBER 9, 1924.

192,266. HEEL SUPPORTS AND HEEL PADS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.

Filed June 27, 1924. Serial No. 199,250. PUBLISHED SEPTEMBER 9, 1924.

- 192,267. DOLLS, TENNIS BALLS, BASEBALLS, GOLF BALLS, HANDBALLS, FOOTBALLS, SOFT PLAY-GROUND BALLS; WATER BALLS MADE OF RUBBER, CELLULOID, OR OTHER SUITABLE MATERIAL; CARD GAMES, AND PARLOR BOARD GAMES PLAYED WITH PIECES. HAROLD W. MUNRO, Providence, R. I.
Filed June 28, 1924. Serial No. 199,288. PUBLISHED SEPTEMBER 16, 1924.
- 192,268. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed June 28, 1924. Serial No. 199,293. PUBLISHED SEPTEMBER 9, 1924.
- 192,269. DENTAL CEMENT. WILLIAM A. VOIGT, Toledo, Ohio.
Filed June 28, 1924. Serial No. 199,333. PUBLISHED SEPTEMBER 9, 1924.
- 192,270. FRUIT JUICES—NAMESLY, GRAPE JUICE. UTT JUICE COMPANY, Tustin, Calif.
Filed June 30, 1924. Serial No. 199,408. PUBLISHED SEPTEMBER 16, 1924.
- 192,271. GINGER ALE, A NONALCOHOLIC, NONCE-REAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND SIRUP USED FOR MAKING SAME. HYDRON CORPORATION, Chicago, Ill.
Filed July 5, 1924. Serial No. 199,620. PUBLISHED SEPTEMBER 16, 1924.
- 192,272. GEARS. LOUIS MEIER, Detroit, Mich.
Filed July 5, 1924. Serial No. 199,641. PUBLISHED SEPTEMBER 9, 1924.
- 192,273. RAW POP CORN. R. M. TUTTLE, doing business as R. M. Tuttle Popcorn Company, Spencer, Iowa.
Filed July 7, 1924. Serial No. 199,726. PUBLISHED SEPTEMBER 16, 1924.
- 192,274. POCKETKNIVES; HUNTING, KITCHEN, AND BUTCHER KNIVES; RAZORS, HAIR CLIPPERS, SHEARS AND SCISSORS, CARVING SETS, AND BUTCHER SAWS. THE AERIAL CUTLERY MANUFACTURING CO., Marinette, Wis.
Filed July 8, 1924. Serial No. 199,735. PUBLISHED SEPTEMBER 9, 1924.
- 192,275. BRUSHES FOR CLEANING AND WASHING AUTOMOBILES, VEHICLES, ETC. LUNDT & COMPANY, INC., New York, N. Y.
Filed July 8, 1924. Serial No. 199,755. PUBLISHED SEPTEMBER 16, 1924.
- 192,276. VENTILATORS. ROYAL VENTILATOR COMPANY, Philadelphia, Pa.
Filed July 8, 1924. Serial No. 199,764. PUBLISHED SEPTEMBER 9, 1924.
- 192,277. BRAN. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed July 9, 1924. Serial No. 199,771. PUBLISHED SEPTEMBER 16, 1924.
- 192,278. WATER AND AIR RESISTING FABRIC ESPECIALLY ADAPTED FOR FIGURE-REDUCING GARMENTS IN THE NATURE OF BRASSIÈRES, GARTER BRASSIÈRES, AND THE LIKE. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed July 9, 1924. Serial No. 199,796. PUBLISHED SEPTEMBER 16, 1924.
- 192,279. TRY-SQUARES, RULES, AND LEVELS. THE STANLEY WORKS, New Britain, Conn.
Filed May 9, 1924. Serial No. 196,834. PUBLISHED SEPTEMBER 2, 1924.
- 192,280. OLIVE OIL. VINCENT JAMES SQUILLANTE, doing business as James Squillante, New York, N. Y.
Filed May 6, 1924. Serial No. 196,683. PUBLISHED SEPTEMBER 16, 1924.
- 192,281. WOOLEN PIECE GOODS. MADISON WOOLEN CO., Madison, Me.
Filed May 3, 1924. Serial No. 196,535. PUBLISHED SEPTEMBER 9, 1924.
- 192,282. MEATS, VEGETABLES, FRUITS, COFFEE, TEA, SUGAR, SPICES, BREAD, CAKES, AND PASTRIES. KATHERINE MCCLELLAN, Decatur, Ill.
Filed May 1, 1924. Serial No. 196,396. PUBLISHED SEPTEMBER 16, 1924.
- 192,283. HAMS, SHOULDERS, SAUSAGE, AND FRANKFORT-STYLE SAUSAGE. THE G. H. HAMMOND COMPANY, Chicago, Ill.
Filed April 26, 1924. Serial No. 196,165. PUBLISHED SEPTEMBER 16, 1924.
- 192,284. POWDER CASES OR CONTAINERS. THE CELMA COMPANY, Toledo, Ohio.
Filed April 11, 1924. Serial No. 195,333. PUBLISHED SEPTEMBER 16, 1924.
- 192,285. CERTAIN MEASURING AND SCIENTIFIC APPLIANCES. GENERAL RADIO COMPANY, Cambridge, Mass.
Filed April 3, 1924. Serial No. 194,917. PUBLISHED SEPTEMBER 16, 1924.
- 192,286. TOPCOATS, SPORT SUITS, LEATHER GLOVES, HAND-KNITTED SWEATERS, NECKTIES, BATHING SUITS, HATS, CAPS, AND HOSIERY. OLD BOND STREET OUTFITTERS, LTD., Atlantic City, N. J.
Filed April 2, 1924. Serial No. 194,878. PUBLISHED SEPTEMBER 16, 1924.
- 192,287. ALIMENTARY PASTE PRODUCTS—NAMESLY, SPAGHETTI, NOODLES, PREPARED CANNED SPAGHETTI; CHOCOLATE, COCOA, COFFEE, TEA, BAKING CHOCOLATE; EDIBLE OILS—NAMESLY, OLIVE OIL, CORN OIL, PEANUT BUTTER; FARINACEOUS PRODUCTS—NAMESLY, FARINA, RICE, BRAN, ROLLED OATS; FOOD-FLAVORING EXTRACTS, JELLY POWDER, PICKLES, TOMATO CATCHUP, VINEGAR; CONDIMENTS—NAMESLY, CHILI SAUCE, WORCESTERSHIRE SAUCE; SUGAR, TABLE SIRUP, MOLASSES, NUT MEATS IN THEIR NATURAL STATE, SALTED NUTS, JAMS, JELLIES, AND GRATED CHEESE. FORTUNE PRODUCTS COMPANY, Chicago, Ill.
Filed February 5, 1924. Serial No. 191,825. PUBLISHED SEPTEMBER 16, 1924.
- 192,288. CORED AND SOLID BARS. THE CORED BAR CORPORATION, Buffalo, N. Y.
Filed January 28, 1924. Serial No. 191,366. PUBLISHED SEPTEMBER 16, 1924.
- 192,289. CORED AND SOLID BARS. THE CORED BAR CORPORATION, Buffalo, N. Y.
Filed January 28, 1924. Serial No. 191,365. PUBLISHED SEPTEMBER 16, 1924.
- 192,290. CORED AND SOLID BARS. THE CORED BAR CORPORATION, Buffalo, N. Y.
Filed January 28, 1924. Serial No. 191,364. PUBLISHED SEPTEMBER 16, 1924.
- 192,291. RUBBER HEELS FOR BOOTS AND SHOES. LEONARD & BARROWS, Middleboro and Boston, Mass.
Filed August 1, 1923. Serial No. 183,928. PUBLISHED SEPTEMBER 16, 1924.
- 192,292. AN OIL FOR FLUSHING CRANK CASES OF INTERNAL-COMBUSTION ENGINES. WM. C. ROBINSON & SON CO., Baltimore, Md.
Filed May 28, 1923. Serial No. 181,313. PUBLISHED SEPTEMBER 16, 1924.
- 192,293. CANNED VEGETABLES—NAMESLY, PEAS AND CORN; CANNED FRUITS—NAMESLY, PLUMS, APRICOTS, PEACHES AND GRAPES; SPICES, FOOD-FLAVORING EXTRACTS; COFFEE AND BREAKFAST CEREALS. THE H. A. MARR GROCERY CO., Denver, Colo.
Filed May 28, 1923. Serial No. 181,299. PUBLISHED NOVEMBER 27, 1923.

- 192,294. SKIN BOOTS, MOCCASINS; SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF; HOODED JACKETS, KNICKERS. INTERNATIONAL GREENFELL ASSOCIATION, INC., St. Johns, Newfoundland.
Filed May 19, 1923. Serial No. 180,866. PUBLISHED SEPTEMBER 16, 1924.
- 192,295. PIECE GOODS, BEING ALPACAS, PRINTS, CALICOS, POPLINS, AND INDIGO-DYED WORK SHIRTINGS. CONSOLIDATED TEXTILE CORPORATION, New York, N. Y.
Filed March 27, 1923. Serial No. 178,092. PUBLISHED SEPTEMBER 16, 1924.
- 192,296. SWEATERS AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. AMERICAN WHOLESALE CORPORATION (BALTIMORE BAROAIN HOUSE), Baltimore, Md.
Filed December 2, 1922. Serial No. 172,818. PUBLISHED JUNE 10, 1924.
- 192,297. CHILD'S TWO-WHEELED VEHICLE KNOWN AS A SCOOTER OR COASTER. THE COLSON COMPANY, Elyria, Ohio.
Filed October 6, 1922. Serial No. 170,370. PUBLISHED SEPTEMBER 16, 1924.
- 192,298. CHILD'S TWO-WHEELED VEHICLE IN THE NATURE OF A SCOOTER OR COASTER. THE COLSON COMPANY, Elyria, Ohio.
Filed October 6, 1922. Serial No. 170,369. PUBLISHED SEPTEMBER 16, 1924.
- 192,299. MEAL OF RYE AND OTHER PRODUCTS MADE OF RYE. OSCAR LEOPOLD GYLLENHAMMAR, Gottenborg, Sweden.
Filed January 15, 1924. Serial No. 190,836. PUBLISHED MAY 27, 1924.
- 192,300. CARDED AND COMBED COTTON YARNS. CRAMERTON MILLS, INCORPORATED, Cramerton, N. C.
Filed January 29, 1924. Serial No. 191,429. PUBLISHED JUNE 3, 1924.
- 192,301. FIRST-AID KITS OF MEDICINAL AND SURGICAL SUPPLIES. FIRST AID SPECIALTY COMPANY, INC., New York, N. Y.
Filed February 2, 1924. Serial No. 191,682. PUBLISHED SEPTEMBER 9, 1924.
- 192,302. CEMENT COMPOSITION FOR BUILDING CONSTRUCTION. EDWARD KUCIAK, doing business as American Catholic Builders Co., New York, N. Y.
Filed February 6, 1924. Serial No. 191,888. PUBLISHED SEPTEMBER 9, 1924.
- 192,303. RAZORS, SAFETY RAZORS, AND BLADES THEREFOR. JAMES F. BARRY, Dallas, Tex.
Filed February 13, 1924. Serial No. 192,207. PUBLISHED SEPTEMBER 9, 1924.
- 192,304. CERTAIN NAMED FOODS. GORDON, SEWALL & CO., INC., Houston, Galveston, and Port Arthur, Tex.
Filed February 19, 1924. Serial No. 192,527. PUBLISHED SEPTEMBER 16, 1924.
- 192,305. LEAD-MELTING POTS, HAND LADLES, AND MOLDS FOR USE IN BRASS MILLS. THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn.
Filed March 1, 1924. Serial No. 193,142. PUBLISHED JULY 22, 1924.
- 192,306. SMOKED MEATS—NAMESLY, HAMS AND BACON—SAUSAGE, BUTTER, EGGS, DRESSED POULTRY, LARD, CHEESE, COFFEE, AND TEA. FRANK LANG, Buffalo, N. Y.
Filed March 11, 1924. Serial No. 193,603. PUBLISHED SEPTEMBER 16, 1924.
- 192,307. SANDWICH SPREAD COMPRISING A MIXTURE OF EGGS, OIL, SALT, SUGAR, VEGETABLE, VINEGAR, AND SPICES. THE WIDLAR COMPANY, Cleveland, Ohio.
Filed March 17, 1924. Serial No. 193,976. PUBLISHED SEPTEMBER 16, 1924.
- 192,308. HACK-SAW BLADES AND FRAMES. THE H. C. COOK COMPANY, Ansonia, Conn.
Filed March 19, 1924. Serial No. 194,051. PUBLISHED SEPTEMBER 9, 1924.
- 192,309. GOWNS, SUITS, DRESSES, COATS, CLOAKS, EVENING WRAPS, SKIRTS, AND WAISTS. MADE-LEINE VIONNET MODELS, INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,725. PUBLISHED SEPTEMBER 9, 1924.
- 192,310. GOWNS, SUITS, DRESSES, COATS, CLOAKS, EVENING WRAPS, SKIRTS, AND WAISTS. MADE-LEINE VIONNET MODELS, INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,726. PUBLISHED SEPTEMBER 9, 1924.
- 192,311. NEGLIGES, BREAKFAST COATS, KIMONOS, BED JACKETS, NIGHTGOWNS, CHEMISES, SLIP-ON UNDERWEAR, BOUDOIR CAPS, CAMISOLES, VESTS, BLOOMERS, STEP-INS, PETTICOATS, PYJAMAS, SHIRTS, DRAWERS, DRESSING GOWNS FOR MEN, WOMEN, AND CHILDREN. JOY WEAR, New York, N. Y.
Filed April 4, 1924. Serial No. 195,003. PUBLISHED SEPTEMBER 9, 1924.
- 192,312. LEGGINGS; MEN'S, WOMEN'S, AND CHILDREN'S KNICKERBOCKERS; CHILDREN'S ROMPERS, CHILDREN'S SLEEPING AND CARRIAGE SUITS, CHILDREN'S HATS, CHILDREN'S COATS, CHILDREN'S SUITS, CHILDREN'S OVERALLS, CHILDREN'S PLAY SUITS, CHILDREN'S BATH ROBES, CHILDREN'S BLOUSES, CHILDREN'S BLOOMERS. CLIVE E. HOCKMEYER, Lowell, Mass.
Filed April 16, 1924. Serial No. 195,642. PUBLISHED SEPTEMBER 9, 1924.
- 192,313. PIECE GOODS MADE OF COTTON OR OF A MIXTURE OF COTTON AND SILK OR OF A MIXTURE OF COTTON AND ARTIFICIAL SILK. E. H. BEHRENS & CO., INC., New York, N. Y.
Filed April 23, 1924. Serial No. 196,003. PUBLISHED JUNE 24, 1924.
- 192,314. KNITTED UNDERWEAR AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. EDWARD J. SCHREMP, Rochester, N. Y.
Filed May 2, 1924. Serial No. 196,480. PUBLISHED SEPTEMBER 9, 1924.
- 192,315. CHAIRS AND CABINETS USED IN THE PRACTICE OF OPHTHALMOLOGY. GENERAL OPTICAL COMPANY, INC., Mount Vernon, N. Y.
Filed May 14, 1924. Serial No. 197,023. PUBLISHED SEPTEMBER 9, 1924.
- 192,316. BRICK. JEWETTVILLE CLAY PRODUCTS COMPANY, INC., Jewettville, N. Y.
Filed May 23, 1924. Serial No. 197,485. PUBLISHED SEPTEMBER 9, 1924.
- 192,317. DRY SEAWEED AND SEA MOSS. THE ASIA COMPANY, Los Angeles, Calif.
Filed May 24, 1924. Serial No. 197,527. PUBLISHED SEPTEMBER 16, 1924.
- 192,318. AUTOMATIC WATER HEATER. GOODMAN AUTOMATIC WATER HEATER CO., INC., Brooklyn, N. Y.
Filed May 28, 1924. Serial No. 197,756. PUBLISHED SEPTEMBER 16, 1924.
- 192,319. HOSIERY FOR MEN, WOMEN, AND CHILDREN. W. B. DAVIS & SON, INC., Fort Payne, Ala.
Filed June 24, 1924. Serial No. 199,045. PUBLISHED SEPTEMBER 9, 1924.
- 192,320. HOSIERY. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed June 21, 1924. Serial No. 198,958. PUBLISHED SEPTEMBER 9, 1924.
- 192,321. LADIES' FROCKS. LOUIS C. ROSENBLATT, New York, N. Y.
Filed June 20, 1924. Serial No. 198,886. PUBLISHED SEPTEMBER 9, 1924.

- 192,322. BITUMINOUS COAL. ROCKHILL COAL AND IRON COMPANY, Robertsdale and Philadelphia, Pa. Filed June 20, 1924. Serial No. 198,885. PUBLISHED SEPTEMBER 16, 1924.
- 192,323. KIMONOS AND NEGLIGES. FRANCES NEGLIGEE COMPANY, New York, N. Y. Filed June 20, 1924. Serial No. 198,854. PUBLISHED SEPTEMBER 9, 1924.
- 192,324. KIMONOS AND NEGLIGES. FRANCES NEGLIGEE COMPANY, New York, N. Y. Filed June 20, 1924. Serial No. 198,853. PUBLISHED SEPTEMBER 9, 1924.
- 192,325. COAL. ANTHRACITE FUEL CORPORATION, Baltimore, Md. Filed June 19, 1924. Serial No. 198,777. PUBLISHED SEPTEMBER 16, 1924.
- 192,326. COAL. ANTHRACITE FUEL CORPORATION, Baltimore, Md. Filed June 19, 1924. Serial No. 198,776. PUBLISHED SEPTEMBER 16, 1924.
- 192,327. MARMALADE, CANDY, FRUITS, JELLIES AND JAMS, FIGS, GINGER, BASKETS OF ASSORTED FOODS, FRUITS, AND CONFECTIONS. BESSIE S. POWELL, doing business as Beth Taptum, Los Angeles, Calif. Filed June 18, 1924. Serial No. 198,760. PUBLISHED SEPTEMBER 16, 1924.
- 192,328. SOCKET INSERTS, CONTINUOUS STIRRUPS, AND CONTINUOUS CENTERING FOR REINFORCED CONCRETE. REINFORCED CONCRETE COMPANY, St. Louis, Mo. Filed June 16, 1924. Serial No. 198,679. PUBLISHED SEPTEMBER 9, 1924.
- 192,329. OPHTHALMIC LENSES USED AS EYEGLASSES. CALIFORNIA OPTICAL CO., San Francisco, Calif. Filed June 16, 1924. Serial No. 198,614. PUBLISHED SEPTEMBER 16, 1924.
- 192,330. KNITTED OR TEXTILE UNDERWEAR. MAE L. WALSH, Hartford, Conn. Filed June 11, 1924. Serial No. 198,436. PUBLISHED SEPTEMBER 9, 1924.
- 192,331. CAKE AND MACAROONS. DRAKE BROTHERS CO., Brooklyn, N. Y. Filed June 11, 1924. Serial No. 198,403. PUBLISHED SEPTEMBER 16, 1924.
- 192,332. DENTAL CAPS, CROWNS, AND BRIDGES. CHARLES BECHTOLD, Brooklyn, N. Y. Filed June 9, 1924. Serial No. 198,281. PUBLISHED SEPTEMBER 9, 1924.
- 192,333. SAFETY-RAZOR BLADES. INTERNATIONAL SAFETY-RAZOR CORPORATION, Bloomfield, N. J. Filed June 6, 1924. Serial No. 198,188. PUBLISHED SEPTEMBER 9, 1924.
- 192,334. SILK HOSIERY. BESTMADE SILK HOSIERY CO., Shelly, Pa. Filed June 6, 1924. Serial No. 198,171. PUBLISHED SEPTEMBER 9, 1924.
- 192,335. RAILWAY MOTOR CARS. NORTHWESTERN MOTOR COMPANY, Eau Claire, Wis. Filed June 3, 1924. Serial No. 198,026. PUBLISHED SEPTEMBER 9, 1924.
- 192,336. HAMS, BACONS, SAUSAGE OF ALL KINDS, PORK PUDDINGS, SAUSAGE MADE UNDER A SPECIFIC FORMULA AND KNOWN AS BROWN-SCHWEIGER, SHOULDERS, DRIED BEEF, SCRAPLE, AND SOUSE. A. LOFFLER PROVISION COMPANY, Inc., Benning, D. C. Filed May 31, 1924. Serial No. 197,886. PUBLISHED SEPTEMBER 16, 1924.
- 192,337. CARPET FELT. GRAHAM PAPER COMPANY, St. Louis, Mo. Filed May 31, 1924. Serial No. 197,878. PUBLISHED SEPTEMBER 9, 1924.
- 192,338. RADIO APPARATUS AND SUPPLIES. KILBOURNE & CLARK MFG. CO., Seattle, Wash. Filed March 31, 1924. Serial No. 194,714. PUBLISHED SEPTEMBER 16, 1924.
- 192,339. EGGS, BUTTER, AND CHEESE. ERNEST LEBERS, New York, N. Y. Filed March 31, 1924. Serial No. 194,719. PUBLISHED SEPTEMBER 23, 1924.
- 192,340. WHEAT FLOUR. NIAGARA FALLS MILLING COMPANY, Buffalo, N. Y. Filed June 13, 1924. Serial No. 198,534. PUBLISHED SEPTEMBER 16, 1924.
- 192,341. COTTON PADDING USED ON LAUNDRY IRONING MACHINES AND PRESSING MACHINES. SANDS & ROSS, Inc., New York, N. Y. Filed July 31, 1924. Serial No. 200,752. PUBLISHED SEPTEMBER 16, 1924.
- 192,342. WOOLEN, COTTON, AND WOOLEN AND COTTON PIECE GOODS. ATLANTIC MILLS, Providence, R. I. Filed July 28, 1924. Serial No. 200,600. PUBLISHED SEPTEMBER 16, 1924.
- 192,343. PIECE GOODS OF SILK, COTTON, AND MIXTURES THEREOF. TURNER & WALLS, New York, N. Y. Filed July 25, 1924. Serial No. 200,535. PUBLISHED SEPTEMBER 16, 1924.
- 192,344. MEN'S ATHLETIC UNDERWEAR. R. H. MACY & CO., INC., New York, N. Y. Filed July 21, 1924. Serial No. 200,333. PUBLISHED SEPTEMBER 16, 1924.
- 192,345. WOOLEN PIECE GOODS. MOYSES & SONS, Inc., New York, N. Y. Filed July 15, 1924. Serial No. 200,056. PUBLISHED SEPTEMBER 16, 1924.
- 192,346. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 15, 1924. Serial No. 200,033. PUBLISHED SEPTEMBER 16, 1924.
- 192,347. MAYONNAISE, THOUSAND ISLAND DRESSING, RUSSIAN DRESSING, ROQUEFORT DRESSING, MELBA SAUCE, CHILI SAUCE, TARTAR SAUCE, AND TOMATO CATCHUP. WILLIAM J. MOORE, doing business as Biltmore Preserving Co., Knoxville, Tenn. Filed July 14, 1924. Serial No. 200,004. PUBLISHED SEPTEMBER 16, 1924.
- 192,348. LOADING MACHINES. JOY MACHINE COMPANY, Franklin, Pa. Filed July 10, 1924. Serial No. 199,841. PUBLISHED SEPTEMBER 16, 1924.
- 192,349. BUILDING STONE. GEORGE WASHINGTON STONE CORPORATION, Alexandria, Va. Filed July 9, 1924. Serial No. 199,812. PUBLISHED SEPTEMBER 9, 1924.
- 192,350. BUILDING STONE. GEORGE WASHINGTON STONE CORPORATION, Alexandria, Va. Filed July 9, 1924. Serial No. 199,811. PUBLISHED SEPTEMBER 9, 1924.
- 192,351. ROSARIES. MAURICE ROTHSTEIN, Johnstown, Pa. Filed June 2, 1924. Serial No. 197,960. PUBLISHED SEPTEMBER 16, 1924.
- 192,352. CLOTHING—NAMESLY, HOSIERY, SOCKS, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, PYJAMAS; SHIRTS, DRESS OR NEGLIGEE; AND SWEATERS FOR MEN, YOUNG MEN, BOYS, GIRLS, YOUNG WOMEN, AND WOMEN. IRISH LINEN-SILK COMPANY, Cincinnati, Ohio, assignor to Abraham A. Schuman, Cincinnati, Ohio. Filed June 2, 1924. Serial No. 197,940. PUBLISHED SEPTEMBER 16, 1924.

- 192,353. READY-MIXED PAINT. DEVON & RAYNOLDS Co., Inc., New York, N. Y. Filed May 28, 1924. Serial No. 197,721. PUBLISHED SEPTEMBER 16, 1924.
- 192,354. SPICES, FOOD-FLAVORING EXTRACTS, PREPARED MUSTARD, AND PEANUT BUTTER. THE FRANK TEA & SPICE CO., Cincinnati, Ohio. Filed June 2, 1924. Serial No. 197,929. PUBLISHED SEPTEMBER 16, 1924.
- 192,355. ARMATURES, MAGNET CHARGERS, COMMUTATORS, MOTORS, GENERATORS, FIELD COILS, SOLENOIDS, TRANSFORMERS, ELECTRICALLY-OPERATED WINDING MACHINES, RADIO SETS AND EQUIPMENT, ELECTRICALLY-OPERATED UNDERCUTTING MACHINES, ELECTRIC SIGNS, AND ELECTRIC CUT-OUT SWITCHES. EDWARD R. HICKEY, doing business as Dynamo Electric Works, Los Angeles, Calif. Filed May 26, 1924. Serial No. 197,598. PUBLISHED SEPTEMBER 16, 1924.
- 192,356. HOSIERY. MANDEL & COHEN, doing business as Manco Mills, New York, N. Y. Filed May 21, 1924. Serial No. 197,383. PUBLISHED SEPTEMBER 16, 1924.
- 192,357. RADIO CIRCUIT SWITCHES, TELEPHONE CAPS OR ACOUSTIC CONNECTORS FOR TELEPHONE RECEIVERS, BINDING POSTS, VARIOMETERS, VARIOCOUPERS, GRID LEAKS, INDUCTANCE COILS FOR USE IN CONNECTION WITH RADIO APPARATUS, AND ELECTRICAL CONDENSERS. WILLIAM G. MITCHELL, doing business as R. Mitchell Company, Boston, Mass. Filed May 17, 1924. Serial No. 197,209. PUBLISHED SEPTEMBER 16, 1924.
- 192,358. RADIO SETS. GLOBE ELECTRIC CO., Milwaukee, Wis. Filed May 17, 1924. Serial No. 197,199. PUBLISHED SEPTEMBER 16, 1924.
- 192,359. RADIO RECEIVING SETS CONSISTING OF CABINETS AND CONTENTS. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed May 13, 1924. Serial No. 196,970. PUBLISHED SEPTEMBER 16, 1924.
- 192,360. MIXED PAINTS. COOK PAINT & VARNISH COMPANY, Kansas City, Mo. Filed May 6, 1924. Serial No. 196,648. PUBLISHED SEPTEMBER 16, 1924.
- 192,361. NECKLACES. MORRIS, MANN & REILLY, Inc., Chicago, Ill. Filed May 5, 1924. Serial No. 196,606. PUBLISHED SEPTEMBER 16, 1924.
- 192,362. BABIES' NIGHTGOWNS MADE OF FLANNELETTE, KNIT GOODS, OR NAINSOOK; BABIES' BANDS MADE OF FLANNEL, BABIES' SACKS MADE OF FLANNELETTE, CASHMERE, OR SILK; BABIES' KIMONOS MADE OF FLANNELETTE OR CASHMERE, BABIES' UNDERSKIRTS OR GERTRUDES MADE OF FLANNEL OR FLANNELETTE, AND BABIES' CAPS, DRESSES, APRONS, AND BIBS. CLIMAX SPECIALTY COMPANY, St. Louis, Mo. Filed May 3, 1924. Serial No. 196,513. PUBLISHED SEPTEMBER 23, 1924.
- 192,363. WATCHES. BAYER, PRETZFELDER & MILLS, Inc., New York, N. Y. Filed May 1, 1924. Serial No. 196,363. PUBLISHED SEPTEMBER 16, 1924.
- 192,364. RADIOTRANSFORMERS. ANDREWS RADIO COMPANY, Chicago, Ill. Filed April 26, 1924. Serial No. 196,147. PUBLISHED SEPTEMBER 16, 1924.
- 192,365. RADIO CRYSTAL RECTIFIERS. FRED W. STEIN, Atchison, Kans. Filed April 22, 1924. Serial No. 195,993. PUBLISHED SEPTEMBER 16, 1924.
- 192,366. BREAD, CAKES, PIES, BUNS, AND ROLLS. HUBER BAKING COMPANY, Wilmington, Del. Filed April 22, 1924. Serial No. 195,963. PUBLISHED SEPTEMBER 23, 1924.
- 192,367. PARTS USED PARTICULARLY IN RADIO WORK—NAMESLY, PANELS, INSULATORS, DIALS, SOCKETS, CONDENSERS, RHEOSTATS, POTENTIOMETERS, VARIOCOUPERS, BINDING POSTS, EAR PHONES, INSULATED WIRE, TUBING, VARIOMETERS. RADIO PANEL & PARTS CORP., New York, N. Y. Filed April 5, 1924. Serial No. 195,073. PUBLISHED SEPTEMBER 16, 1924.
- 192,368. CARRYING STRAPS FOR CREELS AND PACK-BASKET HARNESS. ORLEY CLAYTON TUTTLE, Old Forge, N. Y. Filed April 3, 1924. Serial No. 194,960. PUBLISHED SEPTEMBER 16, 1924.
- 192,369. TEXTILE-FABRIC UNDERWEAR. GOODE-SNOW TEXTILES COMPANY, Kansas City, Mo. Filed March 31, 1924. Serial No. 194,705. PUBLISHED SEPTEMBER 16, 1924.
- 192,370. FUR ARTICLES OF WEAR—NAMESLY, CAPES, COATS, WRAPS, AND NECK PIECES. BEN BECKMAN, doing business as Beckman's Fur Factory, Los Angeles, Calif. Filed March 26, 1924. Serial No. 194,428. PUBLISHED SEPTEMBER 23, 1924.
- 192,371. ELECTRICALLY OPERATED AND LIGHTED STOP AND DIRECTION SIGNALS FOR VEHICLES. U. S. SALES DISTRIBUTING CORPORATION, Duluth, Minn. Filed March 3, 1924. Serial No. 193,197. PUBLISHED SEPTEMBER 16, 1924.
- 192,372. SILVER-PLATED BASE-METAL WARE. JENNINGS SILVER CO., Irvington, N. J. Filed February 21, 1924. Serial No. 192,618. PUBLISHED SEPTEMBER 16, 1924.
- 192,373. PORTLAND CEMENT. COPLAY CEMENT MANUFACTURING COMPANY, Coplay, Pa. Filed February 21, 1924. Serial No. 192,604. PUBLISHED SEPTEMBER 16, 1924.
- 192,374. STORAGE-BATTERY AND ACID-PROOF BOXES, CASES, WASHERS, BUSHES, PLUGS, AND FITTINGS MADE FROM ELECTRICAL INSULATING COMPOUNDS CONTAINING BITUMEN AND LIKE SUBSTANCES OR SUBSTITUTES THEREFOR. PRITCHETT & GOLD AND E. P. S. COMPANY, LIMITED, London, England. Filed February 14, 1924. Serial No. 192,268. PUBLISHED SEPTEMBER 16, 1924.
- 192,375. ELECTRIC-LIGHTING-FIXTURE PARTS—NAMESLY, BRACKET BACKS, CANOPIES, SOCKET COVERS, CEILING PLATES, CHANDELIERS, TABLE LAMPS, FLOOR LAMPS, HUSKS, BOSHES, AND SHADES. SHAPIRO & ARONSON, Inc., New York, N. Y. Filed February 6, 1924. Serial No. 191,915. PUBLISHED SEPTEMBER 16, 1924.
- 192,376. SYNTHETIC DRINKS AND FRUIT JUICES FOR BEVERAGE PURPOSES. R. M. HUGHES & CO., Louisville, Ky. Filed September 7, 1923. Serial No. 185,465. PUBLISHED SEPTEMBER 23, 1924.
- 192,377. INFANTS' WEAR—NAMESLY, BUNTINGS, BATH ROBES, AND CARRIAGE ROBES. ROYAL KIDDY WARE CO., Inc., New York, N. Y. Filed August 20, 1923. Serial No. 184,764. PUBLISHED SEPTEMBER 23, 1924.
- 192,378. PEARLS. GOLD SEAL JEWELERS, New York, N. Y. Filed August 16, 1923. Serial No. 184,550. PUBLISHED SEPTEMBER 16, 1924.

- 192,379. COCOA AND CHOCOLATE IN POWDER, PASTE, AND CAKE FORM FOR FOOD PURPOSES AND DIETARY FOODS—NAMESLY, CAKES, BISCUITS, AND CRACKERS COMPRISING COCOA, CHOCOLATE, AND SIRUP OF CHOCOLATE MIXED WITH OTHER INGREDIENTS. KAKAO-KOMPAGNIE THEODOR REICHARDT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Wandsbek-Hamburg, Germany.
Filed August 2, 1923. Serial No. 183,978. PUBLISHED SEPTEMBER 16, 1924.
- 192,380. CERTAIN NAMED FOODS AND CONDIMENTS. THE GODDARD GROCER COMPANY, St. Louis, Mo.
Filed June 13, 1923. Serial No. 181,943. PUBLISHED SEPTEMBER 16, 1924.
- 192,381. INDUCTANCE COILS, LOADING COILS, TUNING COILS, ELECTRICAL COILS, ELECTRICAL COILS FOR USE IN CONNECTION WITH RADIO TELEPHONE AND TELEGRAPH APPARATUS. WOLFF KAUFMAN, Paterson, N. J.
Filed April 14, 1923. Serial No. 179,152. PUBLISHED SEPTEMBER 16, 1924.
- 192,382. CANNED VEGETABLES. G. T. REDDEN & COMPANY, Denton, Md.
Filed April 6, 1923. Serial No. 178,671. PUBLISHED SEPTEMBER 16, 1924.
- 192,383. WHEAT FLOUR. HENNEPIN MILL COMPANY, Minneapolis, Minn.
Filed March 20, 1923. Serial No. 177,738. PUBLISHED SEPTEMBER 23, 1924.
- 192,384. TURPENTINE AND PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed August 4, 1922. Serial No. 167,814. PUBLISHED SEPTEMBER 16, 1924.
- 192,385. TURPENTINE AND PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed August 4, 1922. Serial No. 167,813. PUBLISHED SEPTEMBER 16, 1924.
- 192,386. RAINCOATS AND TOPCOATS. C. B. SHANE Co., Chicago, Ill.
Filed June 15, 1922. Serial No. 165,569. PUBLISHED SEPTEMBER 23, 1924.
- 192,387. HATS FOR WOMEN AND CHILDREN. GRAM HEADWEAR MFG. CO., St. Louis, Mo.
Filed May 15, 1922. Serial No. 163,869. PUBLISHED SEPTEMBER 16, 1924.
- 192,388. NEGLIGEE SHIRTS, COLLARS, PYJAMAS, DRESSING GOWNS AND JACKETS, BLOUSES, NIGHTDRESSES, AND KNITTED UNDERWEAR, AND CHILDREN'S DRESSES, HOSIERY, AND BOOTEES. WILLIAM HOLLIS & CO. LTD., London and Mansfield, England.
Filed March 21, 1922. Serial No. 161,004. PUBLISHED SEPTEMBER 23, 1924.
- 192,389. WASHING AND CENTRIFUGAL WRINGING MACHINES. LAMB WASHING MACHINE CO., Chicago, Ill.
Filed July 12, 1924. Serial No. 199,945. PUBLISHED SEPTEMBER 16, 1924.
- 192,390. RECEPTACLES FOR CONFECTIONS. THE WHIKAN CORPORATION, Philadelphia, Pa.
Filed July 9, 1924. Serial No. 199,814. PUBLISHED SEPTEMBER 23, 1924.
- 192,391. APPARATUS FOR FILTERING ELECTRIC CURRENTS. RADER APPLIANCE CO. INC., New York, N. Y., and West New York, N. J.
Filed July 8, 1924. Serial No. 199,761. PUBLISHED SEPTEMBER 16, 1924.
- 192,392. RADIO RECEIVING SETS. GOTHAM WIRELESS, INC., New York, N. Y.
Filed July 8, 1924. Serial No. 199,749. PUBLISHED SEPTEMBER 16, 1924.
- 192,393. INDUCTION COILS AND INDUCTANCE COUPLING DEVICES. FRANCIS L. JUDD, Rye, N. Y.
Filed July 5, 1924. Serial No. 199,629. PUBLISHED SEPTEMBER 16, 1924.
- 192,394. ELECTRIC MOTORS. THE REINHARD ELECTRIC MOTOR COMPANY, Cleveland, Ohio.
Filed July 3, 1924. Serial No. 199,574. PUBLISHED SEPTEMBER 16, 1924.
- 192,395. DEVICE FOR ATTACHING TO TELEPHONE RECEIVER, CONSISTING OF EARPIECES AND THEIR CONNECTIONS WHICH DOES AWAY WITH OUTSIDE EXTRANEIOUS NOISES. MILLER REESE HUTCHISON, New York, N. Y.
Filed July 2, 1924. Serial No. 199,483. PUBLISHED SEPTEMBER 16, 1924.
- 192,396. SILENCING DEVICE TO GO OVER TELEPHONE MOUTHPIECES. MILLER REESE HUTCHISON, New York, N. Y.
Filed July 2, 1924. Serial No. 199,482. PUBLISHED SEPTEMBER 16, 1924.
- 192,397. NECKTIES, CRAVATS, AND SCARFS. THOMAS E. GREANEY, doing business as Standard Neckwear Company, Boston, Mass.
Filed July 2, 1924. Serial No. 199,472. PUBLISHED SEPTEMBER 23, 1924.
- 192,398. COLLAR BUTTONS, CUFF BUTTONS, CUFF LINKS, AND SNAP LINKS. THE AMERICAN JEWELRY CO., New York, N. Y.
Filed June 27, 1924. Serial No. 199,202. PUBLISHED SEPTEMBER 16, 1924.
- 192,399. SPICES, ETC. HANF & RINGLER, INC., New York, N. Y.
Filed June 26, 1924. Serial No. 199,164. PUBLISHED SEPTEMBER 16, 1924.
- 192,400. STUCCO, COMPOSITION FLOORING, MAGNESIA FLOORING, INTERIOR MAGNESIA, INTERIOR PLASTER OF ALL KINDS, EXTERIOR PLASTER OF ALL KINDS, COMPOSITION SHINGLES, TILE, AND COMPOSITION ROOFING. FRANKLYN R. MULLER, INC., Waukegan, Ill.
Filed June 25, 1924. Serial No. 199,124. PUBLISHED SEPTEMBER 16, 1924.
- 192,401. GINGER ALE. CHRISTO STREP CO. INC., Richmond, Va.
Filed June 25, 1924. Serial No. 199,108. PUBLISHED SEPTEMBER 23, 1924.
- 192,402. RUBBER COVERED WIRE. DIAMOND BRAIDING MILLS, Chicago Heights, Ill.
Filed June 24, 1924. Serial No. 199,046. PUBLISHED SEPTEMBER 16, 1924.
- 192,403. TUBES TO SERVE AS DETECTORS, AMPLIFIERS, AND RECTIFIERS. BRIGHTSON LABORATORIES, INC., Newark, N. J.
Filed June 24, 1924. Serial No. 199,037. PUBLISHED SEPTEMBER 16, 1924.
- 192,404. RADIO SWITCH BLOCKS. DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y.
Filed June 23, 1924. Serial No. 198,994. PUBLISHED SEPTEMBER 16, 1924.
- 192,405. ATTACHMENT FOR UTILIZING PHONOGRAPHS AS RADIO LOUD SPEAKERS. DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y.
Filed June 23, 1924. Serial No. 198,993. PUBLISHED SEPTEMBER 16, 1924.
- 192,406. GRAPE SIRUP. ATTILIO RAUCCI, doing business as The Raucci Company, Pleasanton, Calif.
Filed June 18, 1924. Serial No. 198,762. PUBLISHED SEPTEMBER 23, 1924.
- 192,407. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed June 9, 1924. Serial No. 198,309. PUBLISHED SEPTEMBER 23, 1924.

- 192,408. RADIOTRANSFORMERS. ANDREWS RADIO COMPANY, Chicago, Ill.
Filed June 5, 1924. Serial No. 198,105. PUBLISHED SEPTEMBER 16, 1924.
- 192,409. PLAYING CARDS. PYRAMID PLAYING CARD CO., INC., Brooklyn, N. Y.
Filed August 11, 1924. Serial No. 201,260. PUBLISHED SEPTEMBER 23, 1924.
- 192,410. PLAYING CARDS. PYRAMID PLAYING CARD CO., INC., Brooklyn, N. Y.
Filed August 11, 1924. Serial No. 201,259. PUBLISHED SEPTEMBER 23, 1924.
- 192,411. PLAYING CARDS. PYRAMID PLAYING CARD CO., INC., Brooklyn, N. Y.
Filed August 11, 1924. Serial No. 201,258. PUBLISHED SEPTEMBER 23, 1924.
- 192,412. DOLLS. HUBERT E. LELAND, New York, N. Y.
Filed August 11, 1924. Serial No. 201,247. PUBLISHED SEPTEMBER 23, 1924.
- 192,413. SANDWICHES. CORDNER PRODUCTS COMPANY, Chicago, Ill., assignor to Potato Dog Corporation, Chicago, Ill.
Filed August 9, 1924. Serial No. 201,181. PUBLISHED SEPTEMBER 23, 1924.
- 192,414. SANDWICHES. CORDNER PRODUCTS COMPANY, Chicago, Ill., assignor to Potato Dog Corporation, Chicago, Ill.
Filed August 9, 1924. Serial No. 201,180. PUBLISHED SEPTEMBER 23, 1924.
- 192,415. DOLLS. ESTELLE V. ALLISON, New York, N. Y.
Filed August 9, 1924. Serial No. 201,169. PUBLISHED SEPTEMBER 23, 1924.
- 192,416. SELF-RISEING WHEAT FLOUR. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed August 8, 1924. Serial No. 201,166. PUBLISHED SEPTEMBER 23, 1924.
- 192,417. CREAMERY BUTTER. THE TRINIDAD CREAMERY CO., Trinidad, Colo.
Filed August 7, 1924. Serial No. 201,116. PUBLISHED SEPTEMBER 23, 1924.
- 192,418. BILLIARD CUES. ARTHUR CLAYTON, Berkeley, Calif.
Filed August 1, 1924. Serial No. 200,807. PUBLISHED SEPTEMBER 23, 1924.
- 192,419. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed July 31, 1924. Serial No. 200,744. PUBLISHED SEPTEMBER 23, 1924.
- 192,420. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed August 2, 1924. Serial No. 200,885. PUBLISHED SEPTEMBER 23, 1924.
- 192,421. CANNED PEAS AND CORN. KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill.
Filed July 29, 1924. Serial No. 200,797. PUBLISHED SEPTEMBER 23, 1924.
- 192,422. FISHING BAITS AND LURES. SOUTH BEND BAIT CO., South Bend, Ind.
Filed July 26, 1924. Serial No. 200,585. PUBLISHED SEPTEMBER 23, 1924.
- 192,423. FIGURE TOYS. KIRN-REINICKE COMPANY, INC., New York, N. Y.
Filed July 30, 1924. Serial No. 200,720. PUBLISHED SEPTEMBER 23, 1924.
- 192,424. FISHING LINE. HORROCKS-IBBOTSON CO., Utica, N. Y.
Filed July 26, 1924. Serial No. 200,559. PUBLISHED SEPTEMBER 23, 1924.
- 192,425. PARLOR BOARD GAME PLAYED WITH PIECES. GEO. B. LEITER, Norristown, Pa.
Filed July 25, 1924. Serial No. 200,502. PUBLISHED SEPTEMBER 23, 1924.
- 192,426. TOY WATCH BRACELETS AND TOY WRIST PURSES. ALEXANDER BARON, Brooklyn, N. Y.
Filed July 24, 1924. Serial No. 200,416. PUBLISHED SEPTEMBER 23, 1924.
- 192,427. LEMONADE, NONALCOHOLIC, MALTLESS SOFT DRINKS, AND ESSENCES AND EXTRACTS FOR PREPARING SUCH DRINKS. ANDERS LINDAHL, Stockholm, Sweden.
Filed July 23, 1924. Serial No. 200,398. PUBLISHED SEPTEMBER 23, 1924.
- 192,428. WHEAT FLOUR. J. F. EESLEY MILLING CO., Plainwell, Mich.
Filed July 14, 1924. Serial No. 199,981. PUBLISHED SEPTEMBER 23, 1924.
- 192,429. CHICK MASH. THE BARKER, MOORE & MEIN MEDICINE COMPANY, Philadelphia, Pa.
Filed July 30, 1924. Serial No. 200,706. PUBLISHED SEPTEMBER 16, 1924.
- 192,430. RICE. JOHN RANGLES, INC., New York, N. Y.
Filed July 28, 1924. Serial No. 200,641. PUBLISHED SEPTEMBER 16, 1924.
- 192,431. RICE. JOHN RANGLES, INC., New York, N. Y.
Filed July 28, 1924. Serial No. 200,640. PUBLISHED SEPTEMBER 16, 1924.
- 192,432. PHOTOGRAPHIC FILMS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 25, 1924. Serial No. 200,483. PUBLISHED SEPTEMBER 9, 1924.
- 192,433. PHOTOGRAPHIC SENSITIZED MATERIALS, PARTICULARLY PLATES. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1924. Serial No. 200,435. PUBLISHED SEPTEMBER 9, 1924.
- 192,434. WOOLEN FABRICS—NAMESLY, KNITTED FABRICS IN THE PIECE. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed July 17, 1924. Serial No. 200,135. PUBLISHED SEPTEMBER 16, 1924.
- 192,435. PHOTOGRAPHIC SENSITIZED MATERIALS, PARTICULARLY PLATES. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1924. Serial No. 200,434. PUBLISHED SEPTEMBER 9, 1924.
- 192,436. EXERCISING DEVICE COMPRISED OF A SPRING AND PATTEN TO BE ATTACHED TO THE FEET. CHARLES A. MILNE, doing business as Milne Manufacturing Company, Detroit, Mich.
Filed July 21, 1924. Serial No. 200,337. PUBLISHED SEPTEMBER 16, 1924.
- 192,437. VACUUM PUMPS. CENTRAL SCIENTIFIC CO., Chicago, Ill.
Filed July 16, 1924. Serial No. 200,090. PUBLISHED SEPTEMBER 9, 1924.
- 192,438. VALVES AND VALVE SEATS. THE FISHER GOVERNOR COMPANY, Marshalltown, Iowa.
Filed July 15, 1924. Serial No. 200,042. PUBLISHED SEPTEMBER 9, 1924.
- 192,439. MINIATURE ALUMINUM COOKING UTENSILS. THE GEO. H. BOWMAN CO., Cleveland, Ohio.
Filed July 14, 1924. Serial No. 199,973. PUBLISHED SEPTEMBER 9, 1924.
- 192,440. LUMBER. PENNSYLVANIA FLOORING AND MANUFACTURING CO., Philadelphia, Pa.
Filed July 11, 1924. Serial No. 199,901. PUBLISHED SEPTEMBER 9, 1924.
- 192,441. CANDY. LE ROY D. GARRETT, doing business as The Sumora Candy Co., Philadelphia, Pa.
Filed July 11, 1924. Serial No. 199,882. PUBLISHED SEPTEMBER 23, 1924.
- 192,442. MIXTURE OF BRAN AND FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 31, 1924. Serial No. 200,763. PUBLISHED SEPTEMBER 16, 1924.

192,443. CERTAIN PRODUCTS OF NONFERROUS METALS. TAUNTON-NEW BEDFORD COPPER COMPANY, Taunton, Mass.
Filed July 10, 1924. Serial No. 199,865. PUBLISHED SEPTEMBER 9, 1924.

192,444. BLOOMERS, PANTALETTS, AND KNICKERS. ISADORE L. LESAVOY, New York, N. Y.
Filed July 8, 1924. Serial No. 199,753. PUBLISHED SEPTEMBER 16, 1924.

192,445. CROCHETED COSTUME FOR CELLULOID DOLLS. HELEN GORDON BARKER, San Francisco, Calif.
Filed July 5, 1924. Serial No. 199,600. PUBLISHED SEPTEMBER 16, 1924.

192,446. TRANSMISSIONS FOR MOTOR VEHICLES. THE PRICE HOLLISTER CO., Rockford, Ill.
Filed June 28, 1924. Serial No. 199,319. PUBLISHED SEPTEMBER 16, 1924.

192,447. BALE TIES. LAURENCE E. TREADWELL, doing business as Detroit Bale Tie Company, Detroit, Mich.
Filed June 26, 1924. Serial No. 199,196. PUBLISHED SEPTEMBER 16, 1924.

192,448. STUFFED PLAYTHINGS IN THE FORM OF DOLLS, ANIMALS, AND THE LIKE AND STAMPED, TINTED, AND OTHERWISE PREPARED FOUNDATION MATERIALS KNOWN AS CUT-OUTS, WITH AND WITHOUT OUTFITS FOR FINISHING THE SAME AND OTHER SUPPLIES FOR MAKING THE SAME. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed June 25, 1924. Serial No. 199,135. PUBLISHED SEPTEMBER 16, 1924.

192,449. ARTIFICIAL MAPLE FLAVORING FOR FOODS. EUGENE CORWIN, New York, N. Y.
Filed June 21, 1924. Serial No. 198,936. PUBLISHED SEPTEMBER 16, 1924.

192,450. MALT EXTRACT FOR FOOD PURPOSES. ORIGINAL MONK MALT CO. NOT INC., Chicago, Ill.
Filed June 20, 1924. Serial No. 198,881. PUBLISHED SEPTEMBER 16, 1924.

192,451. PHOTOGRAPHIC LENSES AND PHOTOGRAPHIC-LENS MOUNTINGS. ILEX OPTICAL COMPANY, Rochester, N. Y.
Filed June 18, 1924. Serial No. 198,747. PUBLISHED SEPTEMBER 16, 1924.

192,452. THERMOS BOTTLES. THE AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn.
Filed June 17, 1924. Serial No. 198,696. PUBLISHED SEPTEMBER 16, 1924.

192,453. LOUNGING GOWNS, BATH ROBES, AND BEACH CAPES. FISCHER-JELENSKY INC., New York, N. Y.
Filed June 13, 1924. Serial No. 198,513. PUBLISHED SEPTEMBER 16, 1924.

192,454. FOOD PRODUCT CONSISTING OF SUGAR COMBINED WITH DRY SKIM MILK, DRY WHOLE MILK, COCOA, AND MALT. MARSHAK MALTMOLAK CO. INC., Brooklyn, N. Y.
Filed June 12, 1924. Serial No. 198,463. PUBLISHED SEPTEMBER 16, 1924.

192,455. READY-MIXED PAINTS AND PAINT ENAMELS. JOSEPH W. PEARSON, doing business as The J. W. Pearson Paint & Varnish Company, Los Angeles, Calif.
Filed June 9, 1924. Serial No. 198,324. PUBLISHED SEPTEMBER 16, 1924.

192,456. PIGMENT PASTE FOR USE AS A STIPPLING COAT. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio.
Filed June 2, 1924. Serial No. 197,942. PUBLISHED SEPTEMBER 16, 1924.

192,457. CHAINS. THE WASHBURN COMPANY, Worcester, Mass.
Filed May 26, 1924. Serial No. 197,640. PUBLISHED SEPTEMBER 16, 1924.

192,458. DOUGH ASSISTANT CONSISTING OF AN EDIBLE PRODUCT DESIGNED TO IMPROVE THE QUALITY OF LEAVENED BREAD BY INCREASING ITS LIGHTNESS AND FINENESS OF TEXTURE. RUMFORD CHEMICAL WORKS, Providence, R. I.
Filed May 26, 1924. Serial No. 197,621. PUBLISHED SEPTEMBER 16, 1924.

192,459. FUR COLLARS, FUR CUFFS, FUR TRIMMINGS, AND LADIES' FUR COATS. JULIUS ROTBAUM, New York, N. Y.
Filed May 26, 1924. Serial No. 197,620. PUBLISHED SEPTEMBER 16, 1924.

192,460. CERTAIN MEASURING AND SCIENTIFIC APPLIANCES. THE GAERTNER SCIENTIFIC CORPORATION, Chicago, Ill.
Filed May 24, 1924. Serial No. 197,535. PUBLISHED SEPTEMBER 16, 1924.

192,461. MILK, CONDENSED MILK, CREAM, CHEESE, BUTTER, BUTTERMILK, AND EGGS. COHEN DAIRY CO., New York, N. Y.
Filed May 24, 1924. Serial No. 197,532. PUBLISHED SEPTEMBER 16, 1924.

192,462. TOY ANIMALS, FIGURE TOYS, CHARACTER DOLLS, FANCY DOLLS, AND CLOWN DOLLS. FRANK J. BAUM, Los Angeles, Calif.
Filed May 12, 1924. Serial No. 196,898. PUBLISHED SEPTEMBER 16, 1924.

192,463. HAMMERS, SAWS, BIT BRACES, AUGER BITS, CHISELS, SCREW DRIVERS, PLANES, FILES, WRENCHES, AXES, VISES, PUTTY KNIVES, AWLS, PRY BARS, AND PLIERS. THE STANLEY WORKS, New Britain, Conn.
Filed May 9, 1924. Serial No. 196,835. PUBLISHED SEPTEMBER 2, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

192,464. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 26, 1924. Serial No. 196,170.

FANCY WHITE

The word "White" appearing on the drawing is not a part of the trade-mark and is hereby disclaimed.

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes and All Leather Articles.

Claims use since the 1st day of March, A. D. 1900.

192,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES SCHAEFER, deceased, late of Brooklyn, N. Y., by Charles Schaefer and Fred W. Schaefer, executors, and Mrs. Louise Schaefer, executrix, Brooklyn, N. Y., doing business as Chas. Schaefer & Son. Filed Jan. 23, 1924. Serial No. 191,188.

AMERICAN STANDARD

Particular description of goods.—Corn-Meal, Wheat Flour, Scratch Feed, Bullet Oats, Horse Feed, and Dry Mash.

Claims use since 1912.

192,466. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAY J. SINDLER, doing business as Play-Box Co., Framingham, Mass. Filed Jan. 3, 1924. Serial No. 190,388.

PLA-BOX

Particular description of goods.—A Game of Chance Consisting of a Receptacle Adapted to be Held in the Hand and Having Therein Spaced Indentations of Indicated Valuations Adapted to Receive a Movable Element or Elements.

Claims use since Oct. 10, 1923.

192,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOMER N. BRADSHAW, Monterey, Calif. Filed Dec. 10, 1923. Serial No. 189,444.

BRADSHAW'S LUNG REMEDY

Particular description of goods.—Medical Tonic in Liquid Form for Use in the Treatment of Consumption, Bronchitis, and Lung Trouble.

Claims use since Sept. 21, 1923.

192,468. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALABAMA PACKING COMPANY, Birmingham, Ala. Filed Dec. 10, 1923. Serial No. 189,441.

SWEET

ALABAMA

Particular description of goods.—Bacon.
Claims use since August, 1923.

192,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALABAMA PACKING COMPANY, Birmingham, Ala. Filed Dec. 10, 1923. Serial No. 189,439.

ENGLISH

CURED

Particular description of goods.—Bacon.
Claims use since Oct. 1, 1923.

192,470. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Filed Nov. 9, 1923. Serial No. 188,160.

Oilproof

Particular description of goods.—Ammunition.
Claims use since June, 1921.

192,471. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NESTOR JOHNSON MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 22, 1923. Serial No. 187,338.

NESTOR JOHNSON Gold Medal Special THEY GO LIKE LIGHTNING

Particular description of goods.—Ice Skates.
Claims use since Oct. 10, 1923.

192,472. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. R. MUNN, Inc., Atlanta, Ga. Filed Sept. 21, 1923. Serial No. 186,022.

DIGESTIVE

MUNN'S

Particular description of goods.—Laxative Compound and Tonic and Nerve Food.
Claims use since May, 1911.

192,473. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 185,585.

Hibbard

Particular description of goods.—Wire Belt Lacing, Casters, Wrought-Steel Washers, Barn-Door Hangers, Patent Lock-Lever Plain Ribs, Thrasher-Tank Pump Valves, Basin Plugs, Nozzles, Spray Hose Nozzles, Shells for Standard Brass Hose Couplings, Lawn Sprinklers, Tie-Out Chains, Cow Ties, Halter Chains, Loading Chains, Horse Nails, Conductor-Pipe Hooks, Picket Chains; Tacks, Assorted Cases; Rolled-Rim Dish Pans, Copper Kettles, Nickel-Plated Copper Kettles, Enameled Cooking Vessels and Utensils, Aluminum Cooking Vessels and Utensils, and Wood Faucets.
Claims use since Jan. 15, 1923.

192,474. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill. Filed July 16, 1923. Serial No. 183,272.

GENERAL PAINT & VARNISH CO.

Particular description of goods.—Ready-Mixed Paints, Varnishes, Stains, Paint Enamels, Varnish and Paint Removers.
Claims use since Jan. 1, 1922.

192,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SARA P. BECKER, doing business as Becker Chemical Co., Cincinnati, Ohio. Filed Oct. 13, 1924. Serial No. 203,784.

NEW DISCOVERY HERBS



Particular description of goods.—Medicine for the Treatment of Stomach, Liver, Kidney, and Bladder Troubles, Rheumatism, Headache, Biliousness, Dyspepsia, Indigestion, Constipation, and as a Blood Purifier.
Claims use since on or before Apr. 1, 1922.

192,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RUSSIAN FOOD PRODUCTS COMPANY, INC., New York, N. Y. Filed Sept. 25, 1924. Serial No. 203,054.

AMUR

Particular description of goods.—Canned Caviar.
Claims use since Mar. 1, 1924.

192,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY CO. INC., New Orleans, La. Filed Sept. 2, 1924. Serial No. 202,102.

Elmer's

Particular description of goods.—Candy.
Claims use since Jan. 1, 1908.

192,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. A. S. COFFEE COMPANY, St. Louis, Mo. Filed Aug. 30, 1924. Serial No. 202,059.

AS GOOD AS COFFEE CAN BE

Particular description of goods.—Coffee.
Claims use since May 7, 1923.

192,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES H. RAMBO, Mattituck, N. Y. Filed Aug. 28, 1924. Serial No. 201,980.



The lining in the drawing designates the colors red and blue.

Particular description of goods.—Fresh Potatoes.
Claims use since about July 1, 1921.

192,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDRONEKE JAMES, Washington, D. C. Filed Aug. 22, 1924. Serial No. 201,756.

Janes

Particular description of goods.—Candy.
Claims use since February, 1905.

192,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUSKOGEE WHOLESALE GROCER COMPANY, Muskogee, Okla. Filed Aug. 16, 1924. Serial No. 201,505.

NATURE'S BEST

Particular description of goods.—Canned Salmon, Prepared Mustard, Jelly, Jam, Peanut Butter, Vinegar, Fruit Preserves, Cocoa, Salted Peanuts, Condensed Milk, Catechup, Canned Oysters, Canned Vegetables, Canned Fruits, Canned Berries, Canned Pork and Beans, Canned Sweet Potatoes, Canned Sauerkraut, Canned Hominy.
Claims use since 1907.

329 O. G.—5

192,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPANELLA & FAVARO MACARONI CO., Jersey City, N. J. Filed July 1, 1924. Serial No. 199,415.

CAMPAGNOLA

Particular description of goods.—Macaroni.
Claims use since September, 1915.

192,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARTOWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Filed June 18, 1924. Serial No. 198,742.

THYRO-PANCREAS CO.

Particular description of goods.—Medicinal Compound in Tablet Form for the Treatment of Functional Hypertension in Men and Women.
Claims use since Jan. 1, 1918.

192,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARTOWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Filed June 18, 1924. Serial No. 198,740.

MAMMA-OVARY Co.

Particular description of goods.—Medicinal Compound in Tablet Form for the Treatment of Dysovarium and Menorrhagia.
Claims use since Jan. 1, 1918.

192,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARTOWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Filed June 18, 1924. Serial No. 198,741.

PLACENTO-MAMMARY CO.

Particular description of goods.—Medicinal Compound in Tablet Form for the Treatment of Galactagogue and Postpartum Involuntant.
Claims use since Jan. 1, 1918.

192,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARTOWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Filed June 18, 1924. Serial No. 198,739.

ANTERO-PITUITARY Co.

Particular description of goods.—Medicinal Compound in Tablet Form for the Treatment of Defective Children, Mongolism, and Epilepsy.
Claims use since Jan. 1, 1918.

192,487. (CLASS 39. CLOTHING.) THE H. K. H. SILK Co., Watertown, Conn. Filed Oct. 10, 1924. Serial No. 203,678.

**HEMINWAY
SILKS**

Particular description of goods.—Pure and Artificial Silk Hosiery.

Claims use since about Apr. 22, 1921.

192,488. (CLASS 39. CLOTHING.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Nov. 3, 1923. Serial No. 187,967.

Fairfield

Particular description of goods.—Misses' Leather Shoes.

Claims use since Oct. 13, 1923.

192,489. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AYRSHIRE COAL Co., Oakland City, Ind. Filed Oct. 24, 1923. Serial No. 187,402.

**AYRSHIRE
COAL**

Particular description of goods.—Coal.

Claims use since August, 1923.

192,490. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HIGH GRADE MILLS, INC., New York, N. Y. Filed Oct. 22, 1923. Serial No. 187,312.

CHEEZ-KLOTH-PAK
SANITARY

Particular description of goods.—Untreated Cloths in the Piece for General Domestic or Personal Use.

Claims use since about Sept. 26, 1923.

192,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATHLETIC TEA COMPANY, St. Louis, Mo. Filed Nov. 6, 1922. Serial No. 171,607.

VOGEL BROS.

Particular description of goods.—Tea, Coffee, Flavoring Extracts for Foods, Spices, Cocoa, Dried Lima Beans, Dried Navy Beans, Tapioca, Barley, Dried Apricots, Dried Prunes, Rice, Dried Raisins, Macaroni, Spaghetti, Noodles, Crackers Known as Sea Shells, Jelly Powder, Frosting, Pie-Filling Compounds, Apple Butter, Pickles, Honey, Flavoring Syrups for Food Purposes, Dried Fruits, Canned Fruits, Canned Fish, Canned Vegetables, and Salad Dressing, Horse-Radish Mustard, Mustard, Peanut Butter, Prepared Mustard, Catchup, Black Pepper, White Pepper, Red Pepper, Nutmeg, Canned Hominy, Coconut Crème Custard, Marshmallow Cream, Rolled Oats, Canned Pork and Beans, Canned Sauerkraut, Canned Berries.

Claims use since Jan. 1, 1885.

192,492. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN NUMBERING MACHINE COMPANY, New York, N. Y. Filed Feb. 1, 1922. Serial No. 158,698.

American Visible

Particular description of goods.—Numbering Machines.

Claims use since September, 1912.

192,493. (CLASS 39. CLOTHING.) SAMUEL ALLEN, doing business as Allen Shoe Co., Boston, Mass. Filed June 19, 1924. Serial No. 198,774.

**Dr. Adams'
Foot Free Shoe**

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, and Combinations.

Claims use since Mar. 1, 1922.

192,494. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 26, 1924. Serial No. 196,169.

FAULTLESS

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes and All Leather Articles.

Claims use since the 1st day of February, A. D. 1906.

TRADE-MARK REGISTRATIONS RENEWED

25,854. INSECTICIDES. Registered January 8, 1895. NEWTON, CHAMBERS & Co. LIMITED, Thorncliffe, England. Renewed January 8, 1925.

25,882. LOOP AND ROUND-EYE HARNESS SNAPS. Registered January 15, 1895. JAMES C. COVERT. Renewed January 15, 1925, to Covert Manufacturing Company, West Troy, N. Y., a Corporation of New York, assignee.

25,883. LOOP AND ROUND-EYE HARNESS SNAPS. Registered January 15, 1895. JAMES C. COVERT. Renewed January 15, 1925, to Covert Manufacturing Company, West Troy, N. Y., a Corporation of New York, assignee.

26,016. YARNS. Registered February 12, 1895. BERNHARD ULMANN & Co. Renewed February 12, 1925, to Bernhard Ulmann Co. Inc., New York, N. Y., a Corporation of New York, assignee.

26,368. PAPER AND PAPER BAGS. Registered April 9, 1895. ATLANTA PAPER COMPANY, Atlanta, Ga. Renewed April 9, 1925.

26,461. FLOUR AND OTHER CEREAL PRODUCTS. Registered April 23, 1895. THE H-O (HORNEY'S OAT MEAL) COMPANY. Renewed April 23, 1925, to The H-O Cereal Company, Inc., New York, N. Y., assignee.

26,470. CRUSHED STEEL. Registered April 23, 1895. PITTSBURGH CRUSHED STEEL Co. LTD. Renewed April 23, 1925, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

26,471. CRUSHED STEEL, ROUGE, AND PUTTY POWDER. Registered April 23, 1895. PITTSBURGH CRUSHED STEEL Co. LTD. Renewed April 23, 1925, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

26,472. CRUSHED STEEL, ROUGE, AND PUTTY POWDER. Registered April 23, 1895. PITTSBURGH CRUSHED STEEL Co. LTD. Renewed April 23, 1925, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

LABELS

REGISTERED DECEMBER 2, 1924.

27,899.—Title: CINELLI'S. For Sardines. G. CINELLI COMPANY, Tacoma, Wash. Published August 20, 1924.

27,900.—Title: COSMO. For Hair Dressing. HARRY B. GOLDBERG, doing business as Marvel Cosmetic Co., Chicago, Ill. Published August 9, 1924.

27,901.—Title: GLENDALE PUNCH. For Punch. HENRY-BROWN COMPANY, INC., Glendale, Calif. Published August 11, 1924.

27,902.—Title: LOEWEN'S MAGIC CLEANER. For Cleaning Compound. JACOB D. LOEWEN, Hillsboro, Kans. Published July 17, 1924.

27,903.—Title: MATTEVISTA. For Grapes. A. MATTEI, Fresno, Calif. Published August 1, 1924.

27,904.—Title: LAND O'LAKES MAKES EVERY MEAL A BANQUET. For Butter. MINNESOTA CO-OPERATIVE CREAMERIES ASSOCIATION, INC., St. Paul and Minneapolis, Minn. Published August 1, 1924.

27,905.—Title: CREAM OF THE WEST. For Bread. T. F. NAUGHTIN Co., Omaha, Nebr. Published August 15, 1924.

27,906.—Title: OMAK. For Fresh Apples. OMAK FRUIT GROWERS, Omak, Wash. Published August 23, 1924.

27,907.—Title: MOHICAN. For Oranges. RED FOX ORCHARDS, Orange, Calif. Published August 1, 1924.

27,908.—Title: SEARCHLIGHT. For Valencia Oranges. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif. Published August 23, 1924.

27,909.—Title: SPRINGDALE. For Butter. F. SCHENK & SONS COMPANY, Wheeling, W. Va. Published August 8, 1924.

27,910.—Title: RED ARROW. For Salted Wafers. SUPERIOR BISCUIT COMPANY, Seattle, Wash. Published August 4, 1924.

27,911.—Title: HALLOWE'EN. For Canned Tomatoes. THE UTAH CANNING COMPANY, Ogden, Utah. Published August 12, 1924.

PRINTS

REGISTERED DECEMBER 2, 1924.

7,600.—Title: ESKIMO PIE. For Chocolate-Coated Ice-Cream Bars. ESKIMO PIE CORPORATION, Chicago, Ill. Published July 15, 1924.

REISSUES

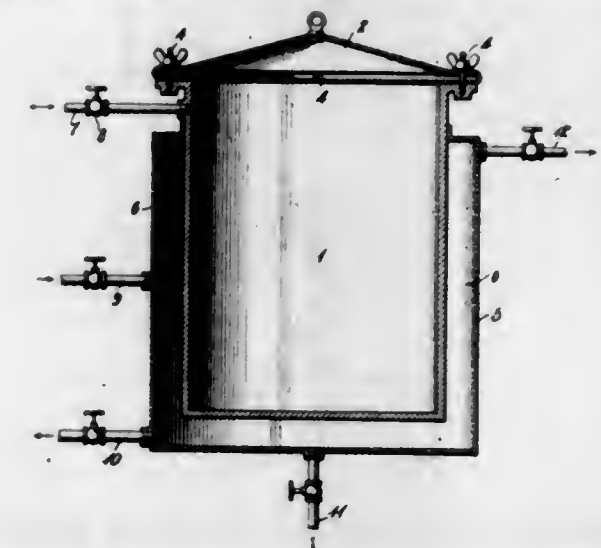
DECEMBER 2, 1924.

15,956. METHOD AND MEANS FOR SILENCING FLUID IN CONDUITS. WALTER W. HEROV, Bloomfield, N. J. Filed July 5, 1924. Serial No. 724,496. Original No. 1,432,462, dated Oct. 17, 1922. Serial No. 425,065, filed Nov. 19, 1920. 18 Claims. (Cl. 137-104.)



1. In the art of muffling the noise of an escaping fluid, the combination, with a pipe conveying such fluid, of a section having grids at both ends, the space between the grids being partially filled with loose granular material free to be lifted as a whole by the current of fluid, such material being self-cleansing by the reversal of its movements.

15,957. PROCESS OF PRODUCING CELLULAR RUBBER. KARL H. FULTON, Pittsburgh, Pa., assignor to Moses J. Summerfield, Richmond, Va. Filed July 18, 1923. Serial No. 652,464. Original No. 1,385,044, dated July 19, 1921. Serial No. 279,308, filed May 6, 1920. 13 Claims. (Cl. 18-53.)



1. The process of producing cellular rubber, comprising mixing rubber with gas occluded particles, in subjecting the mixture to the presence of gas under pressure to be absorbed by said gas occluded particles, in vulcanizing the material while being subjected to the gas pressure, in allowing the material to then cool, and in finally heating the material to cause the occluded gas to be discharged from the particles forming in the material a multitude of gas cells.

DESIGNS

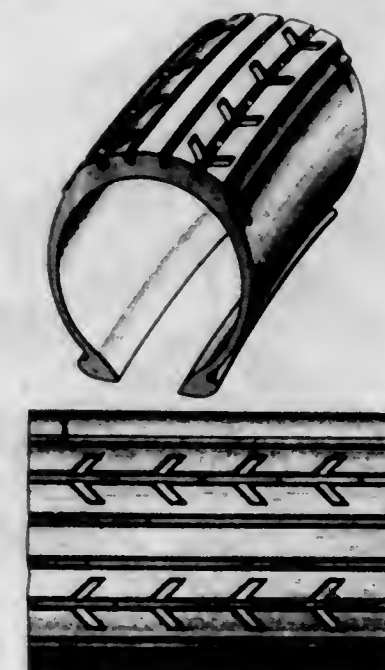
DECEMBER 2, 1924.

66,107. BOOK END OR SIMILAR ARTICLE. JERROLD GAY BELCHER, Athens, Ohio. Filed Feb. 29, 1924. Serial No. 8,778. Term of patent 7 years.



The ornamental design for a book end or similar article as shown.

66,108. TIRE TREAD. RUSSELL D. BELDEN, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 9,139. Term of patent 14 years.



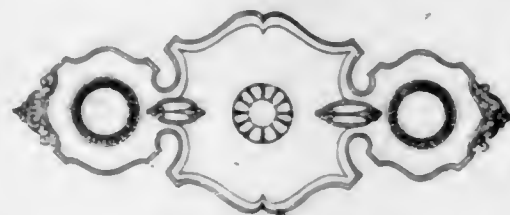
The ornamental design for a tire tread as shown.

66,109. BOOK END. BLANCHE M. BURNETT, Highland Park, Mich. Filed Apr. 7, 1923. Serial No. 5,720. Term of patent $3\frac{1}{2}$ years.



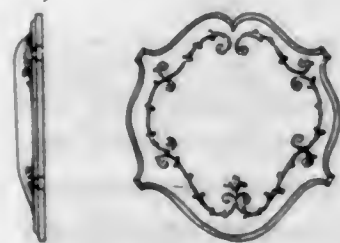
The ornamental design for a book-end as shown.

66,110. CAST PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed May 1, 1924. Serial No. 9,453. Term of patent 7 years.



The ornamental design for a cast plate for lighting fixtures as shown.

66,111. CAST PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed May 1, 1924. Serial No. 9,453. Term of patent 7 years.



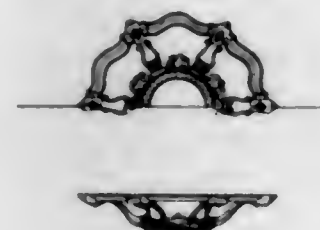
The ornamental design for a cast plate for lighting fixtures as shown.

66,112. CAST ARM FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed May 1, 1924. Serial No. 9,455. Term of patent 7 years.



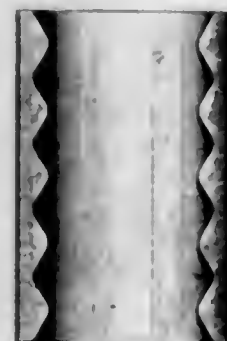
The ornamental design for a cast arm for lighting fixtures as shown.

66,113. CAST PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed May 1, 1924. Serial No. 9,456. Term of patent 7 years.



The ornamental design for a cast plate for lighting fixtures as shown.

66,114. VEHICLE-TIRE. HOWARD W. DIX, New York, N. Y. Filed Oct. 11, 1924. Serial No. 11,045. Term of patent 7 years.



The ornamental design for a vehicle tire, as shown.

66,115. WALL PAPER. ALFRED C. DODMAN, Jr., Summit, N. J. Filed Sept. 22, 1924. Serial No. 10,855. Term of patent 14 years.



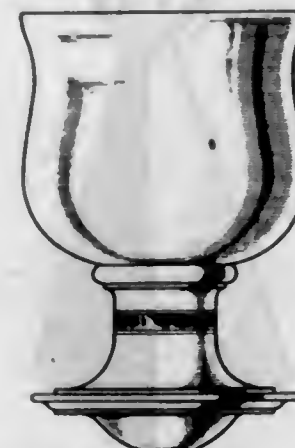
The ornamental design for wall paper, as shown.

66,116. AUTOMOBILE BUMPER. ELECIE P. FARUM, Oakland, Calif. Filed Mar. 26, 1923. Serial No. 5,592. Term of patent $3\frac{1}{2}$ years.



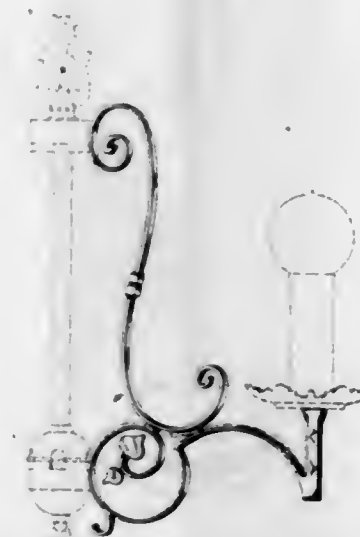
The ornamental design for an automobile bumper, as shown.

66,117. LIGHTING-FIXTURE UNIT. FREDERICK A. FRIEDRICH, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 27, 1924. Serial No. 10,909. Term of patent 7 years.



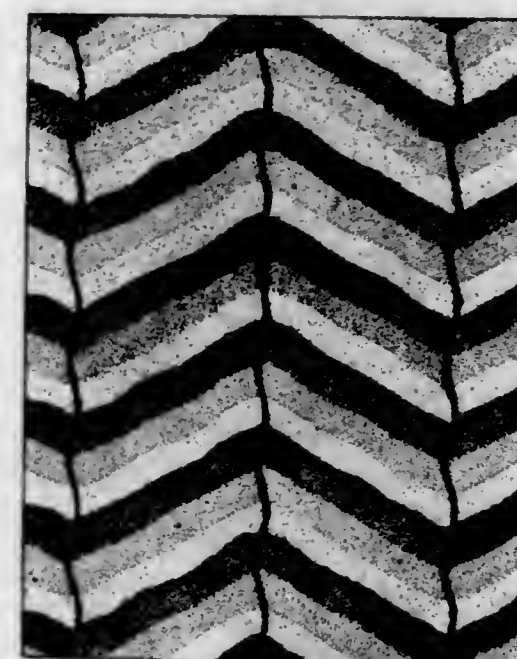
The ornamental design for a lighting fixture unit, as shown.

66,118. LIGHTING-FIXTURE ARM. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Oct. 14, 1924. Serial No. 11,072. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture arm substantially as shown.

66,119. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1924. Serial No. 10,160. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

66,120. TRAFFIC SIGNAL. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1924. Serial No. 10,817. Term of patent 14 years.



The ornamental design for a traffic signal as shown.

66,121. TRAFFIC SIGNAL. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1924. Serial No. 10,818. Term of patent 14 years.



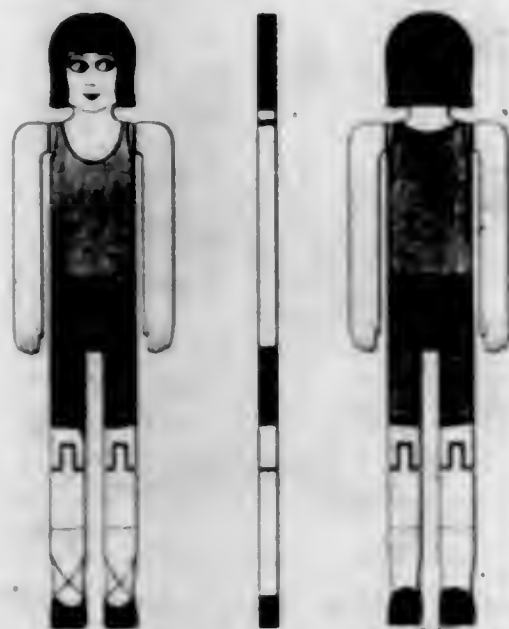
The ornamental design for a traffic signal as shown.

66,122. COMBINED TAIL LIGHT AND SLOW AND STOP SIGNAL. LEAMAN S. HARVEY, Waterbury, Conn. Filed Sept. 11, 1924. Serial No. 10,741. Term of patent 14 years.



The ornamental design for the combined tail light and slow and stop signal as shown.

66,123. DOLL. HELEN SARGENT HITCHCOCK, New York, N. Y. Filed Sept. 23, 1924. Serial No. 10,885. Term of patent 14 years.



The ornamental design for a doll, as shown.

66,124. DOLL. MARY E. JOHNSON, Texarkana, Ark. Filed Sept. 13, 1924. Serial No. 10,773. Term of patent 7 years.



The ornamental design for a doll, as shown.

66,125. COMBINED CLOCK CASE AND PENRACK. MAX KATZ, Providence, R. I. Filed Aug. 2, 1924. Serial No. 10,352. Term of patent 14 years.



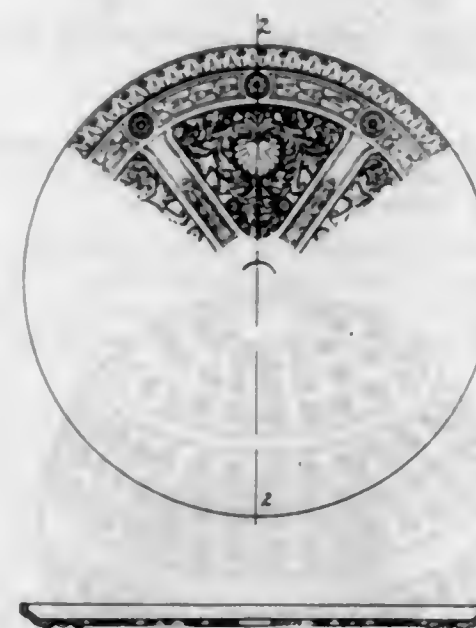
The ornamental design for a combined clock case and penrack as shown.

66,126. CANOPY FOR LIGHTING FIXTURES. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed Oct. 18, 1924. Serial No. 11,109. Term of patent 7 years.



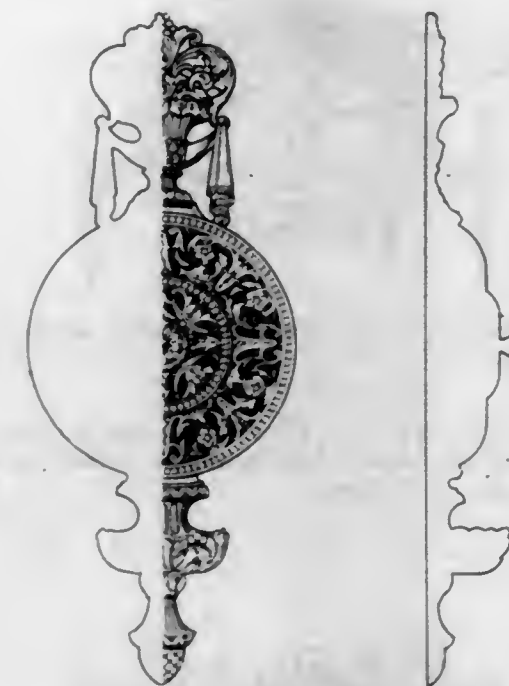
The ornamental design for a canopy for lighting fixtures, substantially as shown and described.

66,127. LIGHTING-FIXTURE PLATE. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed Oct. 18, 1924. Serial No. 11,110. Term of patent 7 years.



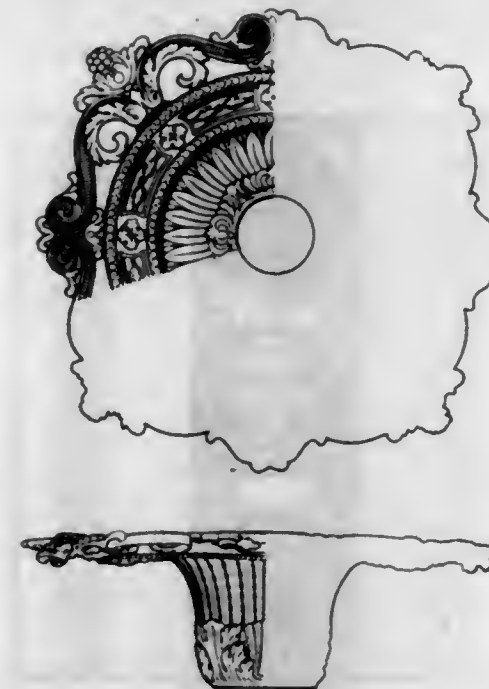
The ornamental design for a lighting-fixture plate, substantially as shown and described.

66,128. LIGHTING-FIXTURE BRACKET. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed Oct. 18, 1924. Serial No. 11,111. Term of patent 7 years.



The ornamental design for a lighting fixture bracket, substantially as shown and described.

66,129. CEILING LIGHTING FIXTURE. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed Oct. 18, 1924. Serial No. 11,112. Term of patent 7 years.



The ornamental design for a ceiling lighting fixture, substantially as shown and described.

66,130. CANDLESTICK. LULU VERHOREN LAVELL, Minneapolis, Minn. Filed Aug. 6, 1923. Serial No. 6,958. Term of patent 14 years.



The ornamental design for a candlestick, as shown.

66,131. CANDLESTICK. LULU VERHOREN LAVELL, Minneapolis, Minn. Filed Aug. 6, 1923. Serial No. 6,959. Term of patent 14 years.



The ornamental design for a candlestick as shown.

66,132. SHEET OF WRAPPING PAPER. SAMUEL E. LOVELESS, Chicago, Ill. Filed May 24, 1923. Serial No. 6,267. Term of patent 14 years.



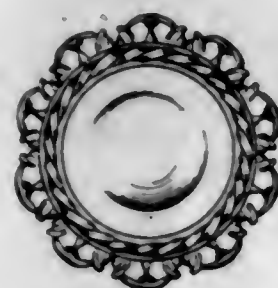
The ornamental design for a sheet of wrapping paper substantially as shown.

66,133. HUSK FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 6, 1924. Serial No. 8,555. Term of patent 14 years.



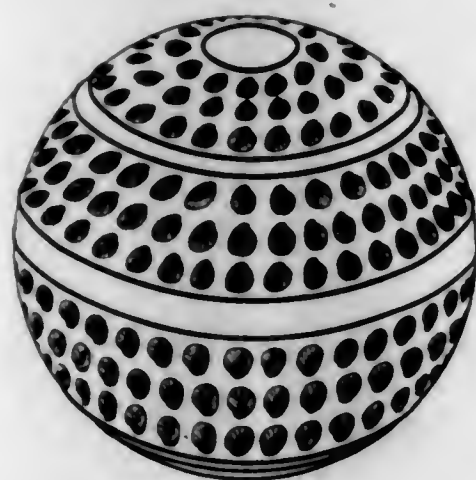
The ornamental design for a husk for lighting fixtures as shown.

66,134. BOBESCHE FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 6, 1924. Serial No. 8,558. Term of patent 14 years.



The ornamental design for a bobesche for lighting fixtures as shown.

66,135. BALL. WILLIAM J. McLAUGHLIN, Doylestown, Pa. Filed July 12, 1924. Serial No. 10,131. Term of patent 3½ years.



The ornamental design for a ball, as shown.

66,136. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,747. Term of patent 7 years.



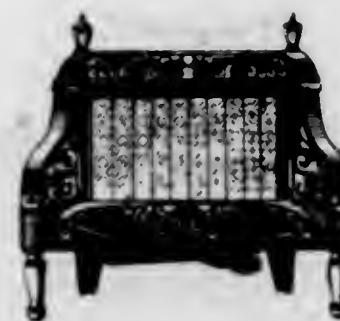
The ornamental design for a heater, as shown.

66,137. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,752. Term of patent 7 years.



The ornamental design for a heater, as shown.

66,138. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,753. Term of patent 7 years.



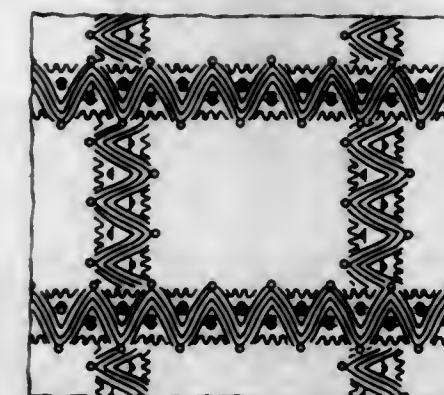
The ornamental design for a heater, as shown.

66,139. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,755. Term of patent 7 years.



The ornamental design for a heater, as shown.

66,140. TEXTILE FABRIC. EDWARD G. MEYERS, Passaic, N. J., assignor to A. Shapiro & Son Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 20, 1924. Serial No. 10,848. Term of patent 3½ years.



The ornamental design for a textile fabric substantially as shown.

66,141. TABLE SCARF. JOHN ROBERT NEWTON, Philadelphia, Pa. Filed Aug. 23, 1924. Serial No. 10,539. Term of patent 3½ years.



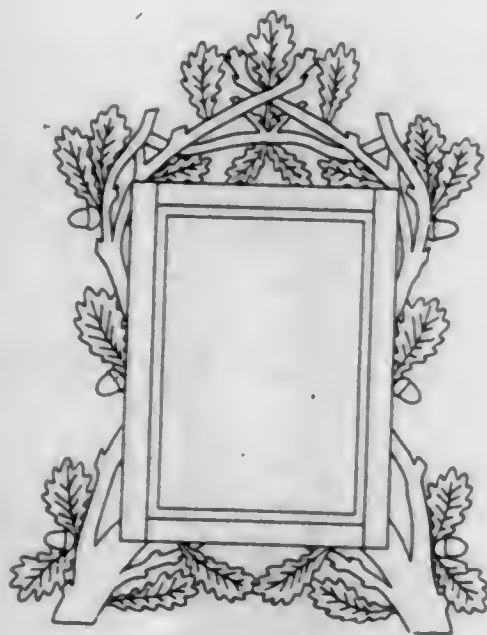
The ornamental design for a table scarf, substantially as shown.

66,142. PORTIERE. JOHN ROBERT NEWTON, Philadelphia, Pa. Filed Aug. 23, 1924. Serial No. 10,540. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a portière, substantially as shown.

66,143. PICTURE FRAME. MARTIN OSTROWIECKI, Chicago, Ill. Filed July 23, 1924. Serial No. 10,231. Term of patent 7 years.



The ornamental design for a picture frame as shown.

66,144. SPOON OR SIMILAR ARTICLE. HUGO PICK, Winnetka, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1921. Serial No. 518,460. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown and described.

66,145. PLATE OR SIMILAR ARTICLE. GILBERT PITCAIRN, West Orange, N. J., assignor to William S. Pitcairn Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 29, 1924. Serial No. 9,104. Term of patent 7 years.



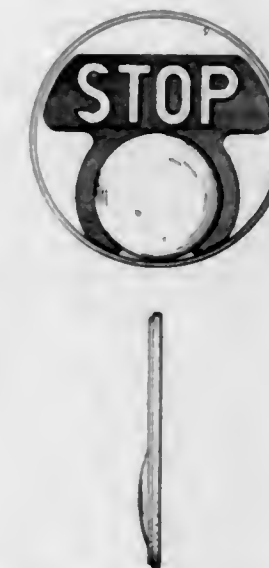
The ornamental design for a plate or similar article as shown.

66,146. COVERED DISH. EDWARD JOHN RIDGWAY, Hempstead, N. Y. Filed Sept. 9, 1924. Serial No. 10,723. Term of patent 7 years.



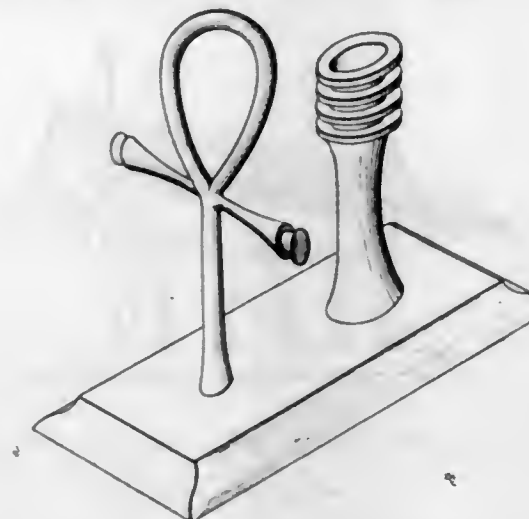
The ornamental design for a covered dish, as shown and described.

66,147. GLASS FACE FOR A TAIL LAMP. RALPH R. ROOT, Lakewood, Ohio, assignor to The Globe Machine and Stamping Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 16, 1921. Serial No. 522,923. Term of patent 7 years.



The ornamental design for glass face for a tail lamp, as shown.

66,148. CANDLESTICK. ALEXANDER S. ROWLAND, New York, N. Y. Filed July 19, 1924. Serial No. 10,189. Term of patent 7 years.



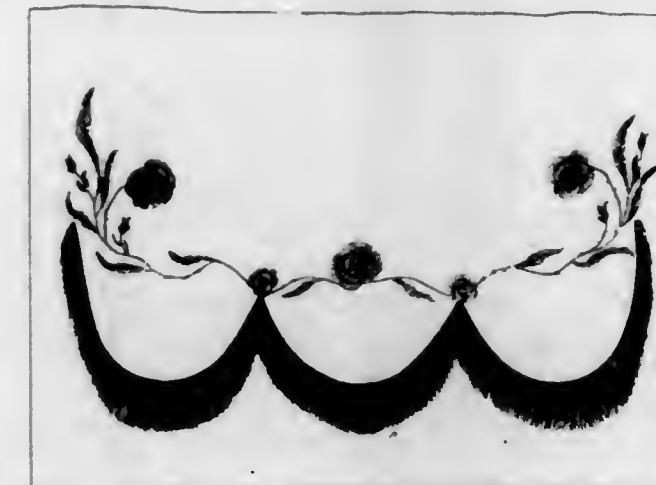
The ornamental design for a candlestick, as shown.

66,149. TEXTILE FABRIC. WILLIAM RUMPF, Sr., South Langhorne, Pa. Filed Oct. 2, 1924. Serial No. 10,952. Term of patent $3\frac{1}{2}$ years.



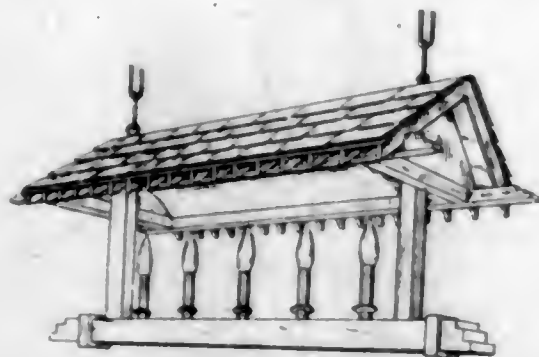
The ornamental design for a textile fabric as shown.

66,150. EMBROIDERED TEXTILE FABRIC. BENJAMIN SCHWARTZ, New York, N. Y. Filed Sept. 9, 1924. Serial No. 10,722. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an embroidered textile fabric, as shown.

66,151. LIGHT FIXTURE. RUSSELL STOVER, Denver, Colo., assignor to Mrs. Stover's Bungalow Candles, Denver, Colo., a Corporation of Colorado. Filed Oct. 18, 1924. Serial No. 11,116. Term of patent $3\frac{1}{2}$ years.



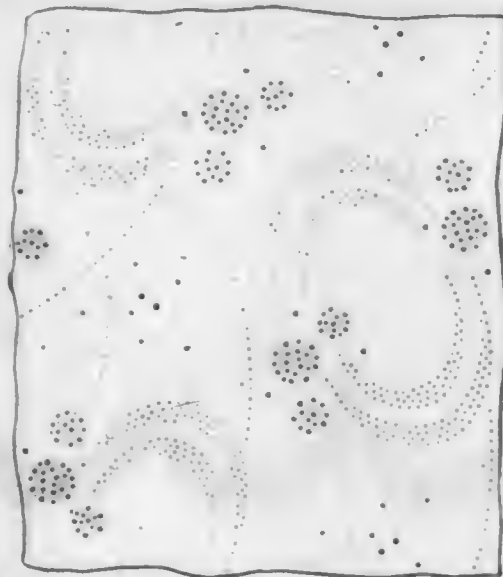
The ornamental design for a light fixture, as shown.

66,152. CANDLESTICK. HARRY SUSSMAN, Brooklyn, and RAFAEL SCHNELL, New York, N. Y. Filed Sept. 11, 1924. Serial No. 10,733. Term of patent $3\frac{1}{2}$ years.



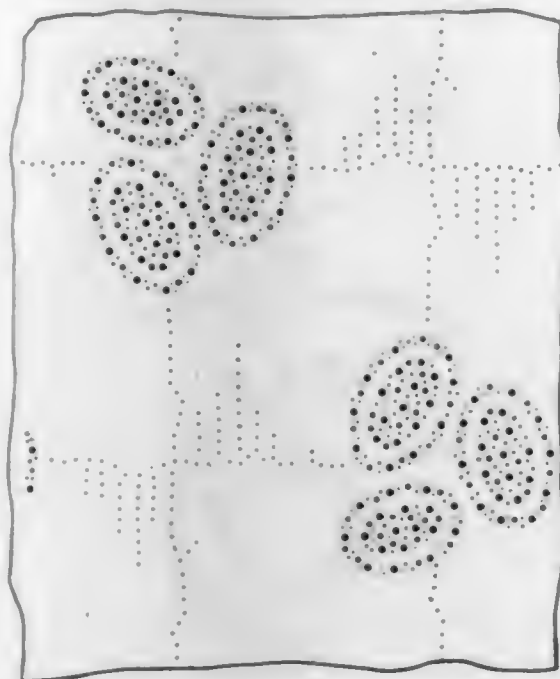
The ornamental design for a candlestick as shown.

66,153. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,597. Term of patent $3\frac{1}{2}$ years.



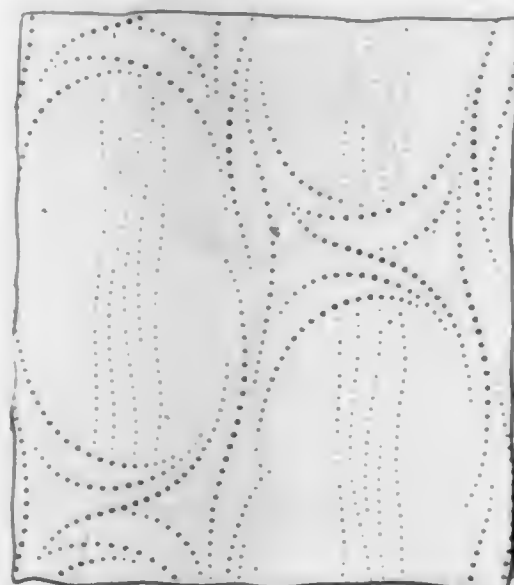
The ornamental design for flocked voile fabric, as shown.

66,154. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,598. Term of patent $3\frac{1}{2}$ years.



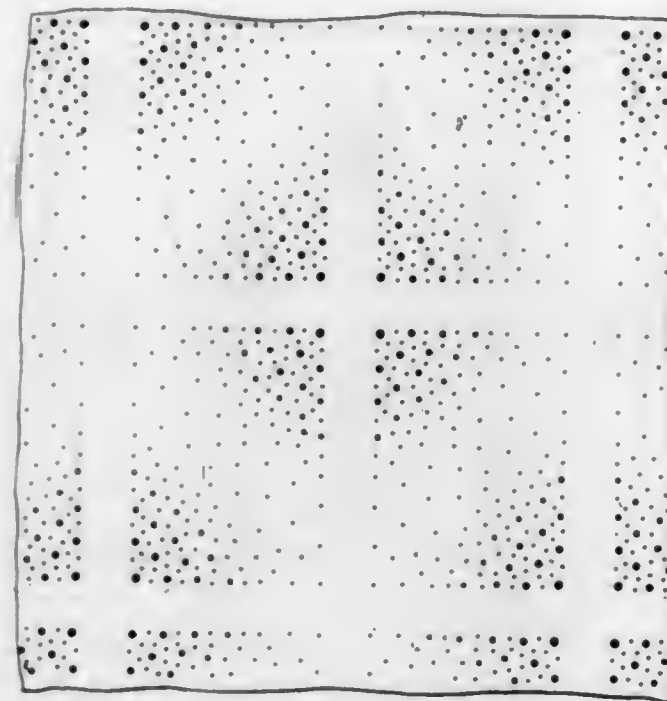
The ornamental design for flocked voile fabric, as shown.

66,155. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,599. Term of patent $3\frac{1}{2}$ years.



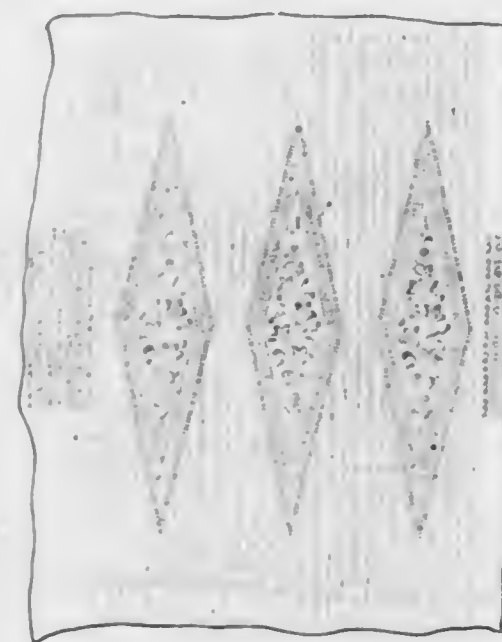
The ornamental design for flocked voile fabric, as shown.

66,156. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,600. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

66,157. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,601. Term of patent $3\frac{1}{2}$ years.



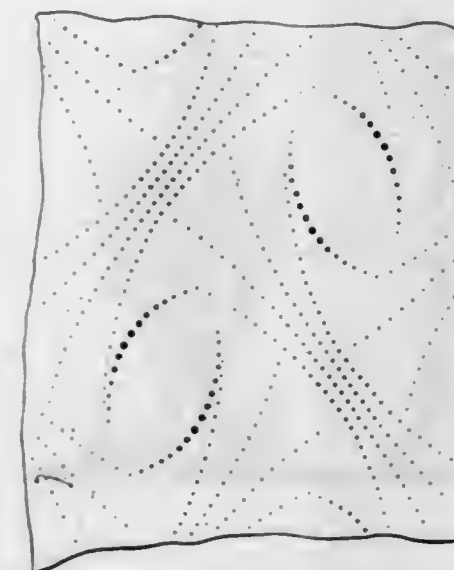
The ornamental design for flocked voile fabric, as shown.

66,158. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,602. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

66,159. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,603. Term of patent $3\frac{1}{2}$ years.



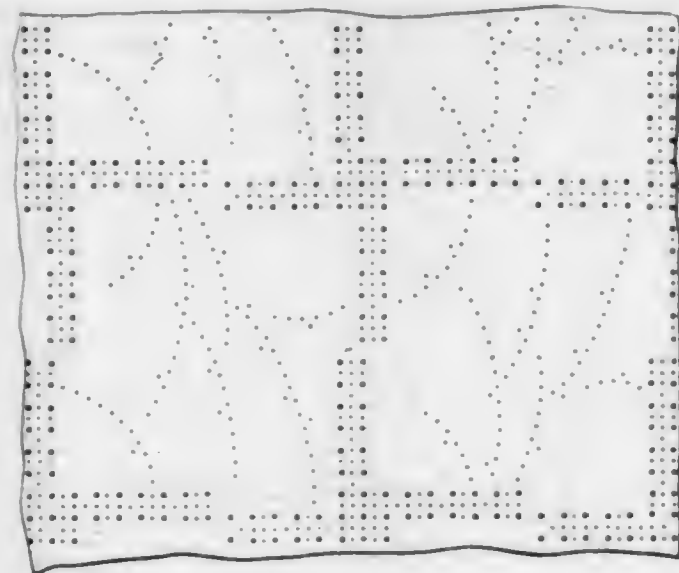
The ornamental design for flocked voile fabric, as shown.

66,160. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,604. Term of patent $3\frac{1}{2}$ years.



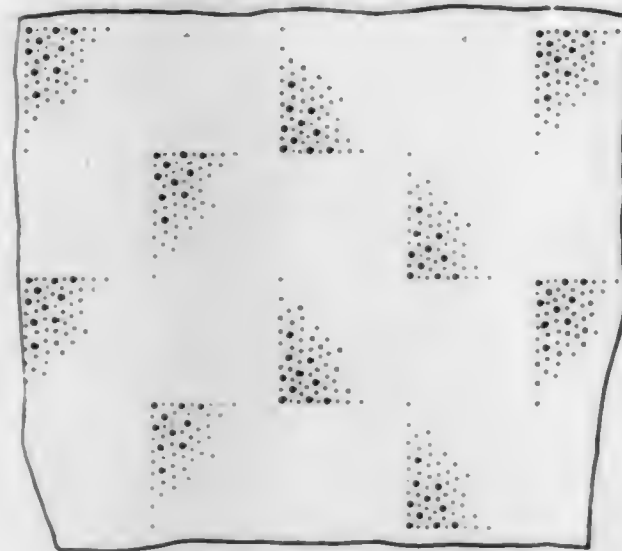
The ornamental design for flocked voile fabric, as shown.

66,161. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,605. Term of patent $3\frac{1}{2}$ years.



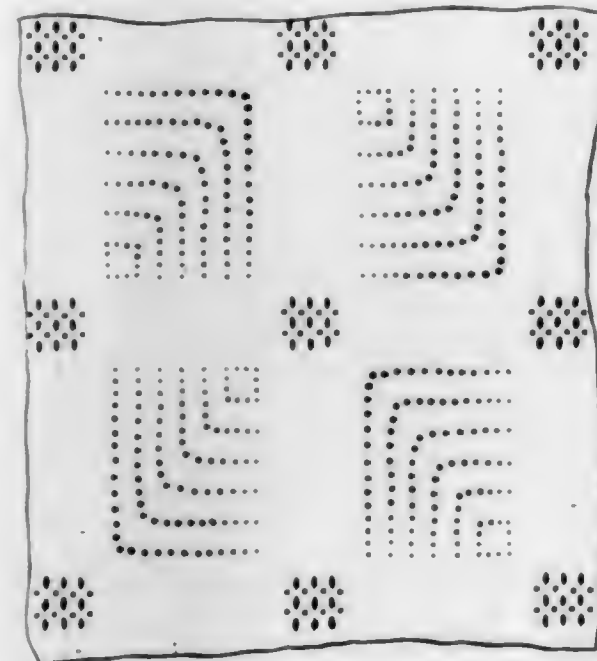
The ornamental design for flocked voile fabric, as shown.

66,162. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,606. Term of patent $3\frac{1}{2}$ years.



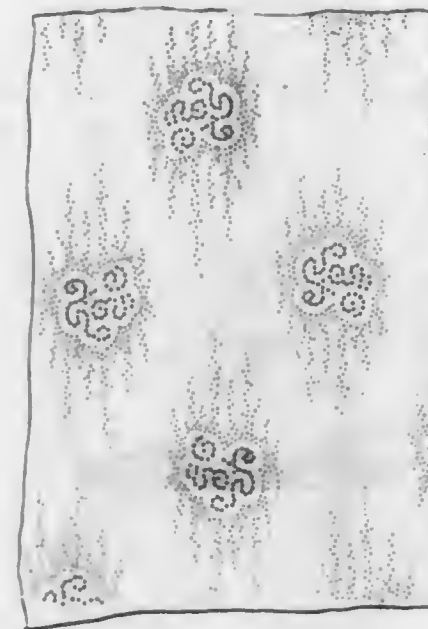
The ornamental design for flocked voile fabric, as shown.

66,163. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,607. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

66,164. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,608. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

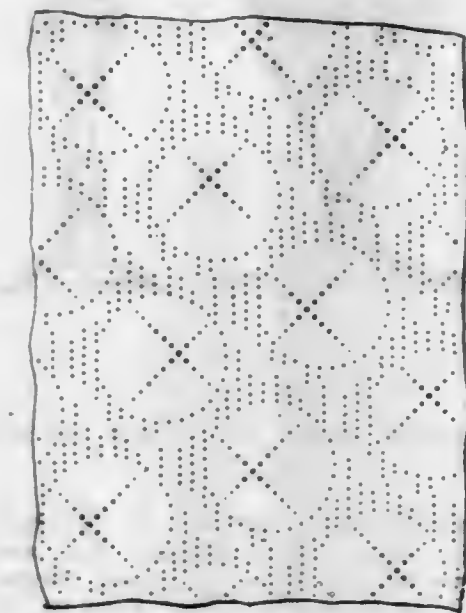
66,165. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,609. Term of patent $3\frac{1}{2}$ years.



The ornamental design for flocked voile fabric, as shown.

329 O. G.—6

66,166. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 10,611. Term of patent $3\frac{1}{2}$ years.



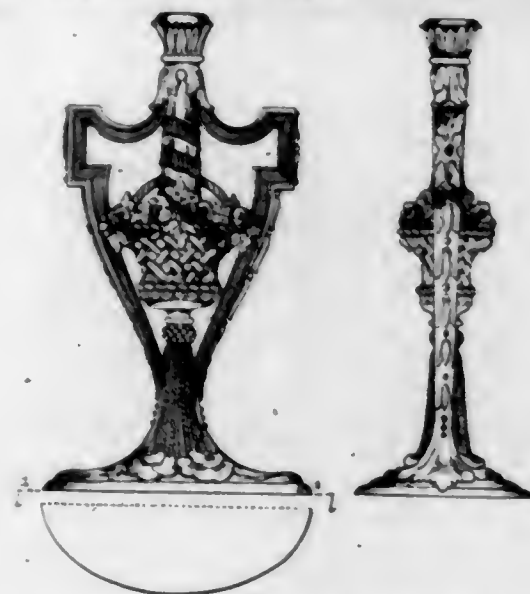
The ornamental design for flocked voile fabric, as shown.

66,167. LAMP. GUSTAVE E. VILLARET, Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y., a Copartnership. Filed May 21, 1924. Serial No. 9,684. Term of patent 7 years.



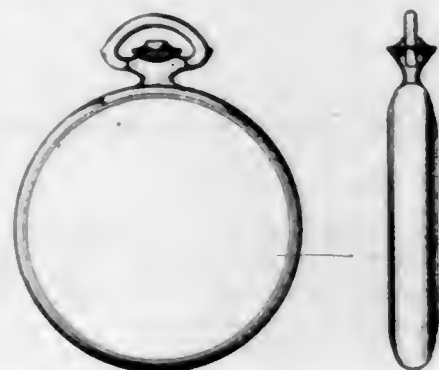
The ornamental design for a lamp, as shown.

66,168. LAMP. GUSTAVE E. VILLARET, Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y., a Copartnership. Filed May 21, 1924. Serial No. 9,685. Term of patent 7 years.



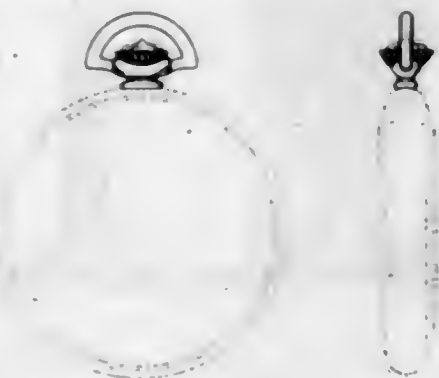
The ornamental design for a lamp, as shown.

66,169. WATCHCASE. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,572. Term of patent 14 years.



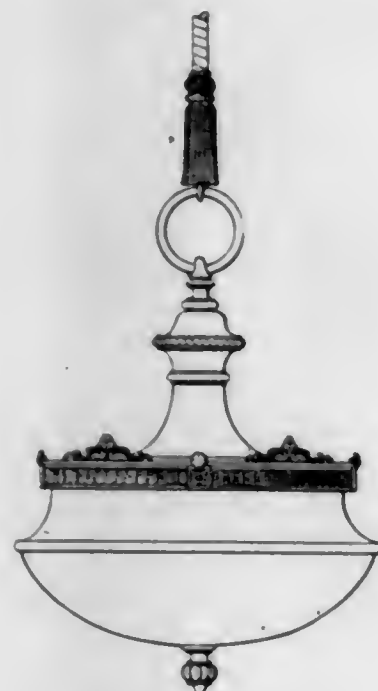
The ornamental design for a watchcase, substantially as shown.

66,170. WATCHCASE APPENDAGE. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,575. Term of patent 14 years.



The ornamental design for a watchcase appendage, substantially as shown.

66,171. LIGHTING FIXTURE. HERBERT S. WHITING, Haworth, N. J. Filed July 29, 1924. Serial No. 10,310. Term of patent 7 years.



The ornamental design for a lighting fixture as shown.

66,172. CAKE OR SIMILAR PRODUCT. SCOTT H. PERKY, Keeseville, N. Y. Filed Sept. 30, 1920. Serial No. 413,925. Term of patent 14 years.

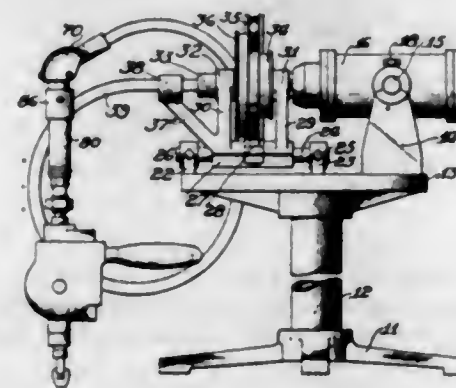


The ornamental design for a cake, or similar product, as shown.

PATENTS

GRANTED DECEMBER 2, 1924.

1,517,240. POWER-TRANSMITTING ARRANGEMENT. FRANK O. ALBERTSON, Sioux City, Iowa, assignor to Albertson & Company, Sioux City, Iowa, a Corporation of Iowa. Filed Jan. 16, 1922. Serial No. 529,427. 3 Claims. (Cl. 74-7.)



1. In a device of the class described, power driving means, a flexible shaft, means joining one end of said shaft to said power means, a driven member, means joining the other end of said shaft to said driven member, said joining means including a pair of co-operating concave gears continuously in mesh, supports for said gears respectively, a housing for said gears fixed to one of said supports, and a pivotal connection joining the other said support to said housing.

1,517,241. GAS BURNER FOR BOILERS. ELLIS GREEN, Mineral Wells, Tex., assignor to Tulsa Tool Company, a Corporation of Oklahoma. Filed Oct. 22, 1923. Serial No. 670,171. 1 Claim. (Cl. 158-75.)

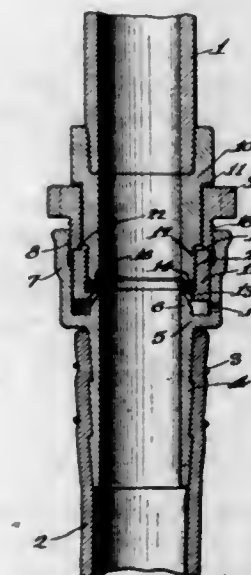


A burner for boilers comprising a mixing chamber projecting within and without the boiler, a steam or air chest adjustably mounted on said chamber, means for supplying steam or air to said chest, means for varying the direction of a sheet stream of air or steam through said mixing chamber, and means for supplying fuel to said mixing chamber.

1,517,242. ROSE COUPLING. JOHN R. LOWREY, Los Angeles, Calif. Filed May 24, 1923. Serial No. 641,108. 5 Claims. (Cl. 285-122.)

1. In a coupling, a female element comprising a body, a gasket at the end thereof, an undercut retaining ring

adapted to secure said gasket, and a locking collar adapted to rotate without advancing on said body, said



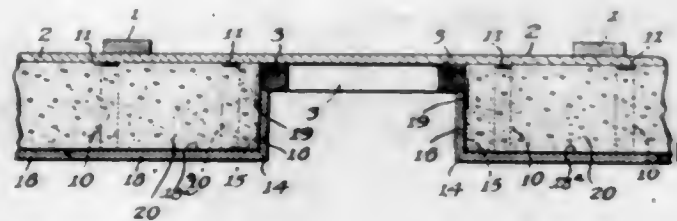
collar being confined between said ring and a shoulder on said body.

1,517,243. DEVICE FOR USE IN SHIFTING TRAMWAY POINTS. WILLIAM FLEMING MCKAY, Aberdeen, Scotland. Filed Aug. 22, 1924. Serial No. 733,503. 3 Claims. (Cl. 246-317.)



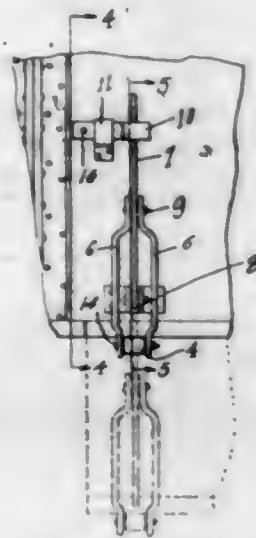
1. For cooperation with a tramway car having flanged wheels, a downwardly extending striker mounted on said car, and means under control of the car driver for rendering said striker operative, in combination, a tramway rail, a tramway point box adjacent to said rail, a tramway point, a point-operating lever operatively connected to said point and fulcrumed between its ends in said box, the end remote from said point formed as a lever-cam engageable by a wheel flange and the end adjacent to said point formed as a tappet, and a tumbler pivotally mounted on said rail and located in said box in the path followed by said striker when operative so that the tumbler is engaged by said striker and caused to perform a partial rotation about its pivot, said tumbler having a cam-surface engageable with said tappet, the arrangement being such that, when the lever-cam is engaged by the wheel flange, the lever and therewith the point are rocked into one position, and, when the striker engages the tumbler, the lever and therewith the point are rocked, into another position.

1,517,244. METHOD OF BUILDING CONSTRUCTION. GEORGE MARTIN, Brooklyn, N. Y., assignor of one-half to John J. Sullivan, New York, N. Y. Filed Oct. 12, 1922. Serial No. 594,180. 7 Claims. (Cl. 25-131.)



1. The method of fabricating structures comprising forming a temporary continuous background of ordinary boards; applying to said background permanent frames suitable for windows and doors in the finished structure; setting up a course of permanent base slabs in spaced relation to the background; reinforcing the base of said course of slabs; setting up a plurality of courses of permanent slabs above said first course and in spaced relation to the background; filling the space between the background and slabs with a suitable composition; and removing the background but leaving the frames set in the filling composition.

1,517,245. DUMP CAR. HOWARD MARTIN, Monmouth, Ill., assignor to A. G. Patton, Monmouth, Ill. Filed Dec. 28, 1923. Serial No. 683,114. 3 Claims. (Cl. 105-304.)

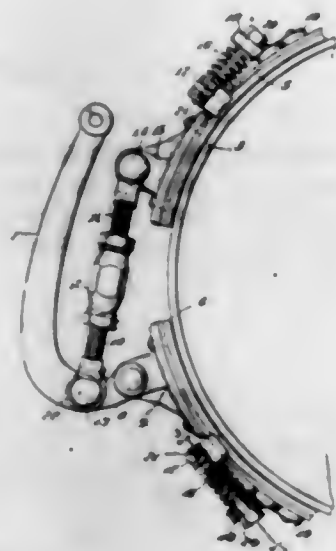


1. In a dump car, a hinged bottom section, cleats extending beyond said section, links pivoted to the ends of said cleats, levers pivoted to the sides of the car and pivoted intermediate their ends to said links, and latches for engaging over said levers when the same are in operative position, the lower ends of said levers being outwardly inclined whereby the pivotal connections thereof with said links normally lie beyond dead center.

1,517,246. VEHICLE BRAKE. EDMUND C. MOGFORD, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Dec. 26, 1919. Serial No. 347,324. 8 Claims. (Cl. 188-77.)

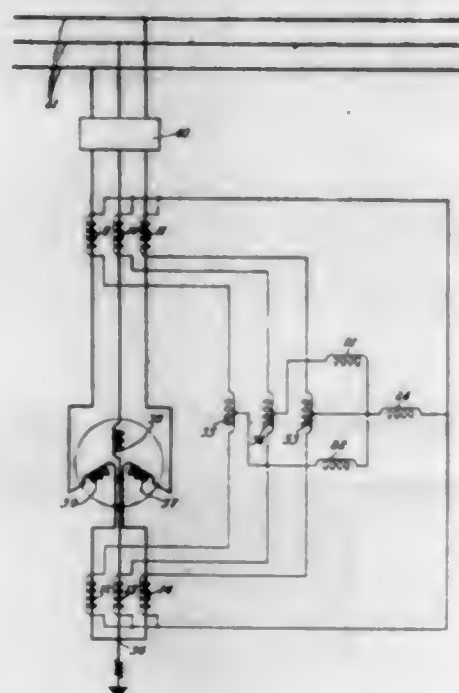
1. In a vehicle brake, the combination with a brake drum, a brake band cooperating therewith, and a brake

operating lever, of a rigid abutment supported independently of the brake band and of said lever, a stop carried by the brake band adjacent to said abutment,



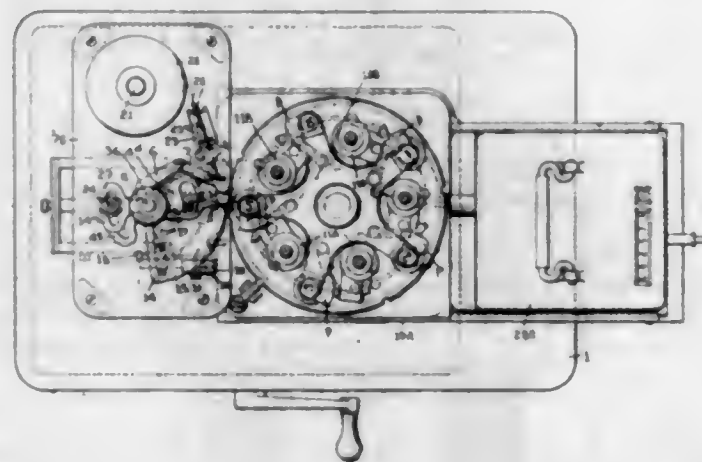
a spring interposed between said abutment and stop and tending to move the brake band endwise, and a bolt movably connecting said abutment and stop.

1,517,247. DISTRIBUTING SYSTEM. HERBERT PEARCE, Stretford, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 22, 1920. Serial No. 383,308. 13 Claims. (Cl. 175-294.)



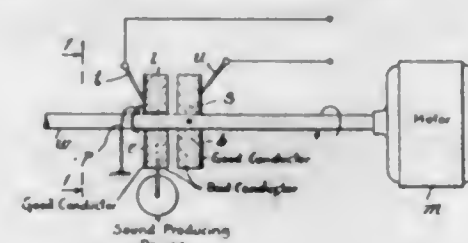
13. The combination with an alternating current electrical circuit, of a protective device therefor comprising a plurality of star-connected current transformer groups associated with at least two points in said electrical circuit, the neutral points of said transformer groups being electrically connected, other terminals of co-operating transformers in each of said groups being electrically connected, a plurality of star-connected relays respectively in circuit with the said transformers and a ground relay in circuit with the neutral point of said relay connection and the neutral point of said transformer groups.

1,517,248. PAPER FEEDING AND CONTROLLING DEVICE FOR PRINTING MECHANISMS. ARTHUR H. PITNEY and JACOB W. OGDEN, Stamford, Conn., assignors, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Original application filed Apr. 5, 1922, Serial No. 549,734. Divided, and this application filed Apr. 4, 1923. Serial No. 629,858. 28 Claims. (Cl. 101-91.)



1. In combination, a printer, a coacting impression means comprising an oscillating member having an impression surface adapted to coact with the printing surface, a rocking lever, a paper clamp mounted on the member, means whereby on one motion of the said lever the clamp is caused to engage the paper, and the member moved in a direction to feed the paper, and on the reverse movement of the lever the clamp is caused to disengage the paper and the members moved back, substantially as described.

1,517,249. ELECTRIC RELAY. BRUNO ROSENBAUM, Berlin, Germany. Filed Nov. 1, 1921. Serial No. 512,013. 3 Claims. (Cl. 171-95.)

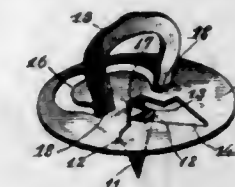


1. An electro-responsive device comprising a continuously rotating disc of poor conductivity, a relatively stationary disc of poor conductivity in close proximity to said continuously rotating disc, and an incoming circuit having its limbs connected respectively to said discs, the arrangement being such that the two discs are attracted into frictional engagement proportionately to the electrical tension applied thereto, whereby said relatively stationary disc is caused to oscillate in accordance with variations of the applied potential.

1,517,250. REMOVER FOR BOTTLE CLOSURES. VICTORY LUCIAN SAWYER, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,696. 1 Claim. (Cl. 65-47.)

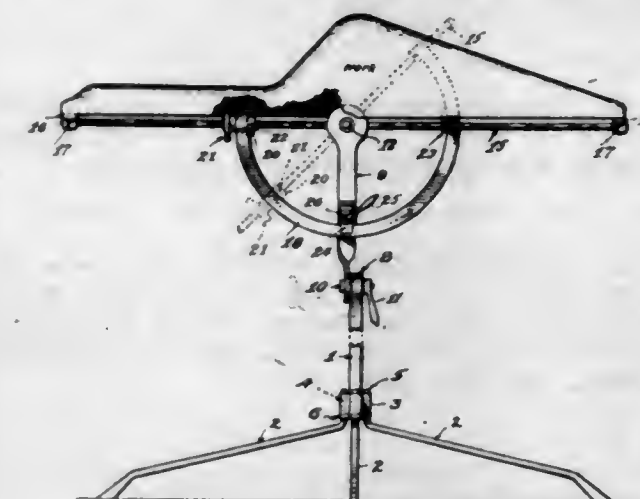
A remover for bottle-closures, comprising a sheet-metal disk-shaped body-portion, an arrow-headed closure-piercing member struck up in one direction from one-half of the body-portion, and a U-shaped handle struck up in opposite direction from within the said body-portion out of the other half of said body-portion, the

balance of the stock of the body-portion remaining in disk-form, the legs of said handle being spaced edge-wise away from said piercing member and a substantial



portion of the disk-shaped body-portion directly adjoining the piercing member, so that the handle distantly straddles and is in one plane with said piercing member.

1,517,251. ADJUSTABLE WORK-SUPPORTING STAND. FRANK P. SCHAAF, Chandlerville, Ill. Filed Nov. 12, 1923. Serial No. 674,155. 6 Claims. (Cl. 29-89.)



1. A stand for supporting the crank case of an automobile including in its construction an arm, a fitting mounted to swivel on the same, means to fix the two relatively, a rod carried by said fitting adapted to turn within the same, a member adjustable on the arm, said rod extending therethrough, means to secure the rod relative to the member, means to secure the member with respect to the arm, and a standard on which the said arm is swiveled to swing in a plane disposed at right angles to the axis of the rod.

1,517,252. TROLLEY SPLICER. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 7, 1922. Serial No. 527,560. 7 Claims. (Cl. 191-44.1.)

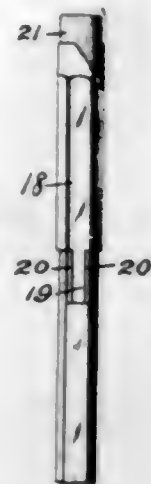


1. In a trolley-conductor device, the combination with a plurality of end-clamping members, of a plurality of tension members for securing said clamping members together and a runner for electrically connecting said clamping members together.

1,517,253. PENCIL SHARPENER. JACOB SCHICK, Newark, N. J., assignor to Miller Reese Hutchinson, West Orange, N. J. Filed July 22, 1922. Serial No. 576,671. 2 Claims. (Cl. 120-90.)

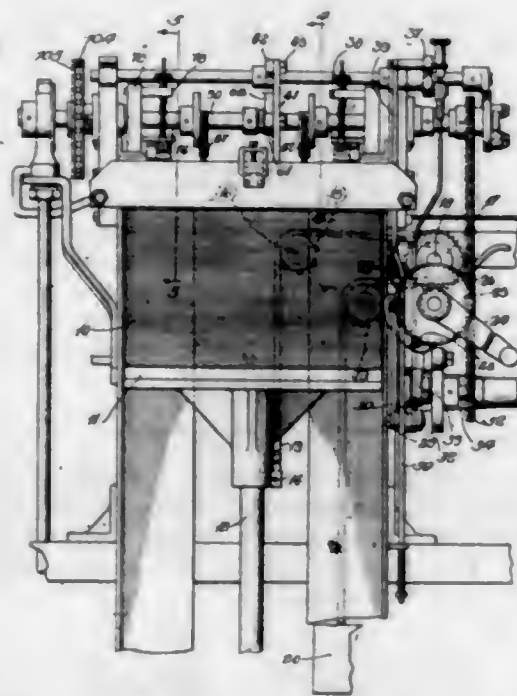
2. A pencil knife comprising a hexagonal sleeve to slide on a pencil the sleeve having a blade projecting from one end of one panel and in the same plane, the blade having a side edge sharpened, the blade being

flat and of less width than the panel from which it projects so that a corner of the pencil acts as a fender for the sharp edge of the blade, the same panel from



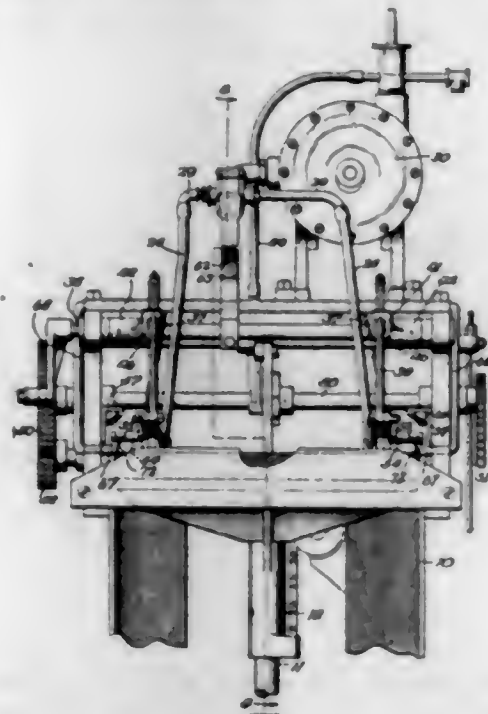
which the blade projects having a part thereof struck up between the ends of the sleeve and inclined relative to the panel to co-operate therewith to form a clip.

1,517,254. SHEET-FEEDING MECHANISM. AXEL R. SCHOLIN, Chicago, Ill., assignor to Automatic Wrapping Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 12, 1920. Serial No. 358,282. 5 Claims. (Cl. 271—25.)



1. Sheet-feeding mechanism comprising a support for a stack of sheets, an arm pivotally supported adjacent the upper face of said stack and having a frictional contact member thereon arranged to swing about said pivotal support toward and away from the face of said stack, means for reciprocating said pivotal support to move said contact member along the face of said stack, means for guiding said contact member into engagement with the uppermost sheet on said stack as said contact member is moved in one direction along said face, and a spring-pressed device for holding said contact member in resilient engagement with the uppermost sheet of said stack, said guiding means being arranged to withdraw said contact member from engagement with said sheet during the return movement thereof.

1,517,255. SHEET-FEEDING MECHANISM. AXEL R. SCHOLIN, Chicago, Ill., assignor to Automatic Wrapping Machine Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1920. Serial No. 433,232. 8 Claims. (Cl. 271—30.)



1. Mechanism for feeding sheets, one at a time, from a stack comprising means for exerting a current of air against the edges of said sheets to assist in separating the uppermost sheet in said stack, a pair of suction heads arranged to engage the surface of the uppermost sheet of said stack, means for lifting said suction heads to raise said sheet, means for moving said suction heads to feed said sheet away from said stack, and means for separating said suction heads during said feeding movement to exert tension on said sheet to straighten said sheet.

1,517,256. ATTACHMENT FOR PICKER STICKS. WILLIAM SCHOLZ, Clifton, N. J. Filed Oct. 4, 1921. Serial No. 505,289. 1 Claim. (Cl. 20—92.)

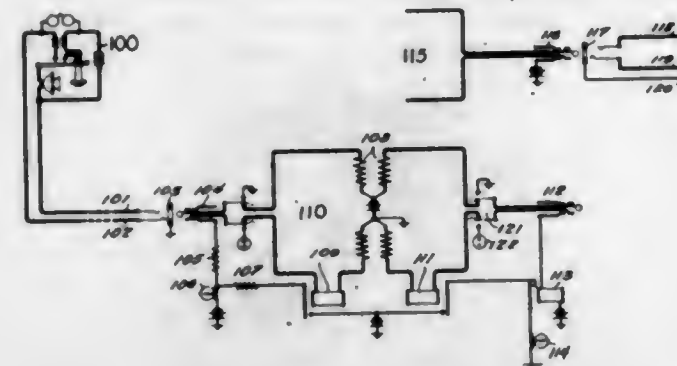


In a device of the character described the combination of a wooden picker stick having a rectangular cross section, a pair of gripping members made of metal and each engaging said picker stick, each gripping member being provided with a rough surface fitted upon one face of the picker stick and further provided with a wing portion extending across one edge of the picker stick so that the two gripping members practically enclose a rectangular portion of the picker stick, the portion thus enclosed extending integrally through the gripping members, and means for forcing said gripping members against said picker stick.

1,517,257. TELEPHONE-EXCHANGE SYSTEM. FREDERICK J. SCUDDER, Queens, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,503. 21 Claims. (Cl. 179—27.)

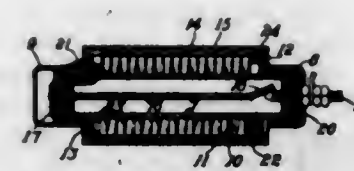
1. In a telephone system, selective switches, a plurality of trunks each leading to certain of said switches, means for establishing a connection to any of said

trunks, means for operating the selective switches to extend such trunk, a time measuring device common to said trunks, means responsive to the disestablishment



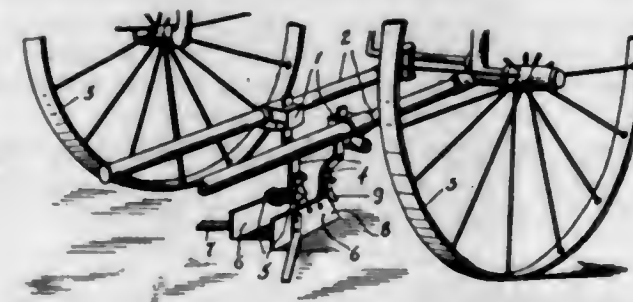
of said connection for operating said device, and means operated by said device after a definite interval for releasing the selective switches.

1,517,258. THERMAL RELAY. BENJAMIN H. SMITH, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,585. 19 Claims. (Cl. 200—122.)



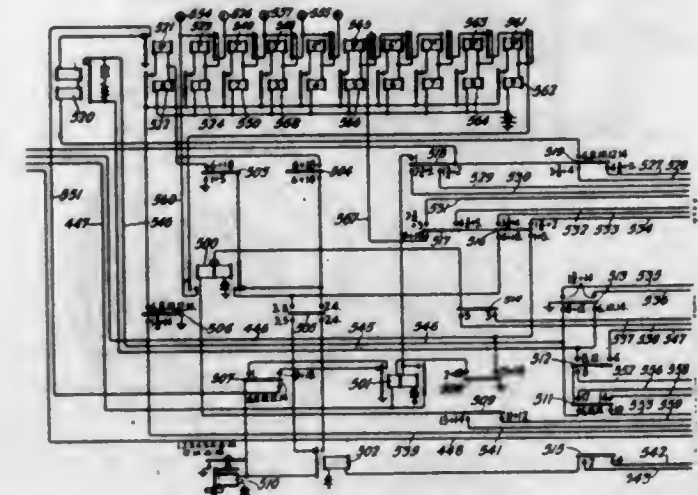
1. A thermal relay for an electric circuit containing electrical apparatus constituting a unitary device adapted for insertion in fuse clips, and comprising a transformer and a bimetallic member, the primary winding of the transformer being in the electric circuit and the secondary winding being connected in circuit with the bimetallic member.

1,517,259. CULTIVATOR ATTACHMENT. WILLIAM C. SPECK, Lamesa, Tex. Filed Nov. 1, 1920. Serial No. 421,091. 2 Claims. (Cl. 97—179.)



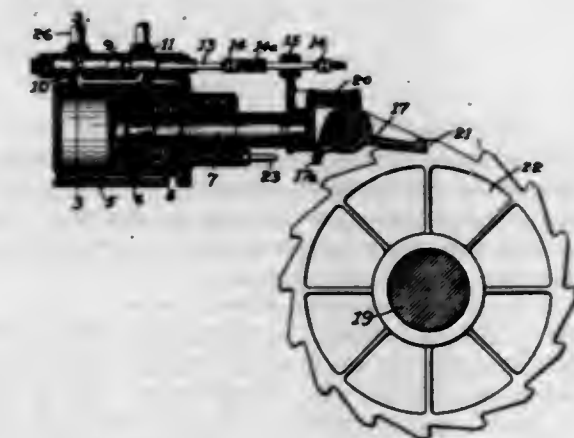
1. An attachment for cultivators in combination with the cultivator beams, consisting of a pair of angular legs or shanks extending downwardly from the cultivator beams and having lateral extensions for spacing and holding the legs or shanks apart to straddle a row of plants, said legs removably attached to a pair of runner members, said runner members designed to protect the plants, to align the device with the rows and to slightly penetrate the soil, knives attached to the runner members, means for adjusting the space between the runner members and shanks, and means for removably attaching a shovel to each shank.

1,517,260. TELEPHONE-EXCHANGE SYSTEM. FRANKLIN ANDREW STEARN, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1921. Serial No. 525,986. 17 Claims. (Cl. 179—27.)



1. In a telephone exchange system, the combination of a selective switch for extending connections, a register controlling mechanism, a controlling circuit for variably setting said register mechanism, a device for causing the association of said controlling circuit with the register mechanism, means controlled by said register mechanism for operating the selective switch an amount corresponding to the setting of the register mechanism, and means controlled by said device for modifying the control of the register mechanism over said switch operating means to cause the operation of said switch through an amount other than that corresponding to the setting of said register mechanism.

1,517,261. LOCOMOTIVE STARTER. CLEMENT F. STREET, Greenwich, Conn. Filed Mar. 24, 1921. Serial No. 455,037. 9 Claims. (Cl. 105—32.)

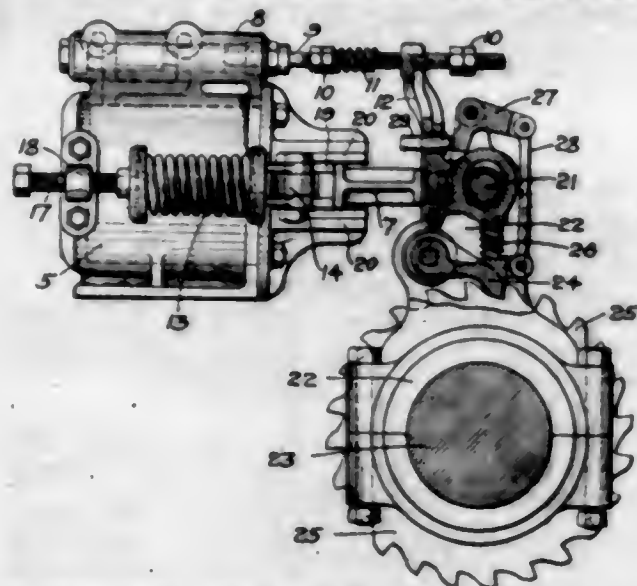


8. In a vehicle, the combination of a cylinder, a piston, a forward locking and backward slipping device mounted on an axle of the vehicle and actuated by said piston, and an oscillating arm attached to said forward locking and backward slipping device and having a lost motion connection with said piston.

1,517,262. AUXILIARY STARTING ENGINE FOR LOCOMOTIVES. CLEMENT F. STREET, Greenwich, Conn. Filed Feb. 21, 1922. Serial No. 538,353. 8 Claims. (Cl. 105—32.)

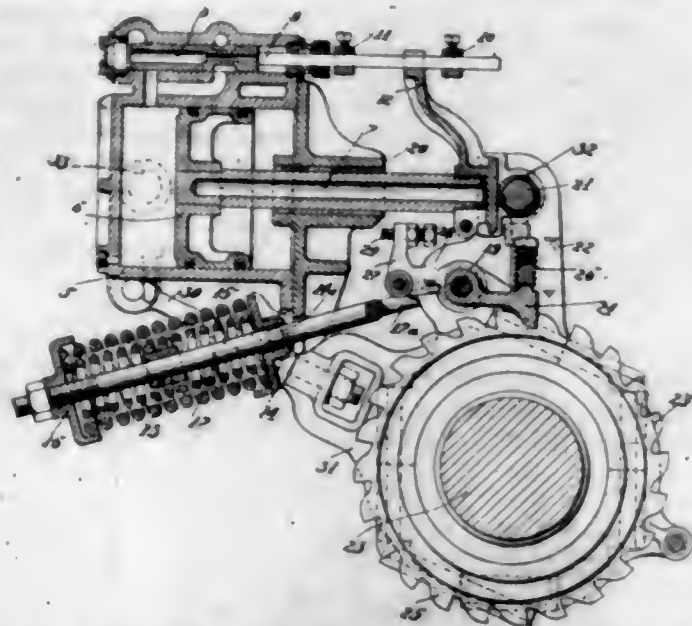
1. In a vehicle, the combination with a cylinder, a piston, and valve means for controlling the admission of

fluid to said piston, of a spring located outside of said cylinder, and acting in opposition to the fluid pressure to



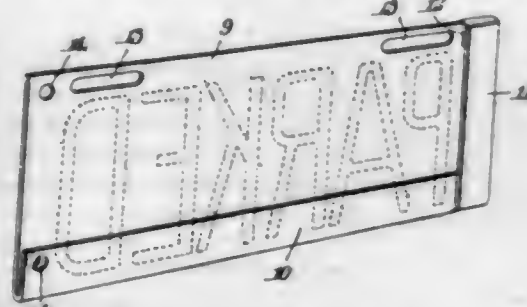
effect the return stroke of the piston, and a ratchet mechanism actuated by the piston for driving the vehicle.

1,517,263. AUXILIARY STARTING ENGINE FOR LOCOMOTIVES. CLEMENT F. STREET, Greenwich, Conn. Filed June 10, 1922. Serial No. 567,300. 11 Claims. (Cl. 105—32.)



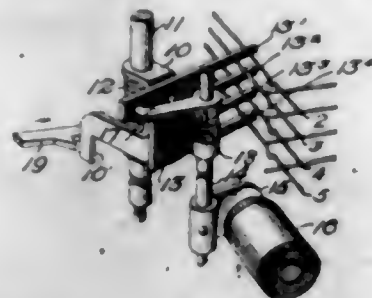
4. In a vehicle, the combination with a cylinder flexibly mounted on the vehicle, a piston, an oscillating arm operated by said piston, a ratchet mechanism operated by said arm for driving the vehicle, and a spring for returning said piston and ratchet.

1,517,264. MEANS FOR INDICATING UNAUTHORIZED USE OF MOTOR VEHICLES. MARGARET V. STROUSEHEIN, West New York, N. J. Filed Dec. 5, 1923. Serial No. 678,705. 4 Claims. (Cl. 40—22.)



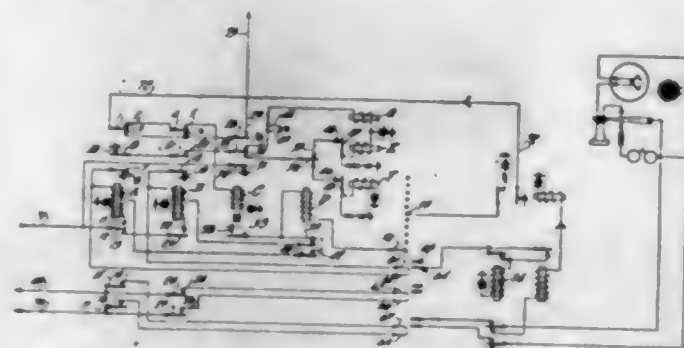
4. In a device of the class described, a plate, a closed pocket at one edge of said plate, a flange on another edge of said plate disposed at right angles to said pocket, and means remote from said flange and pocket whereby said plate may be secured to a support.

1,517,265. AUTOMATIC TELEPHONE SWITCH. HERBERT B. TAYLOR, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 7, 1922. Serial No. 527,586. 14 Claims. (Cl. 179—27.5.)



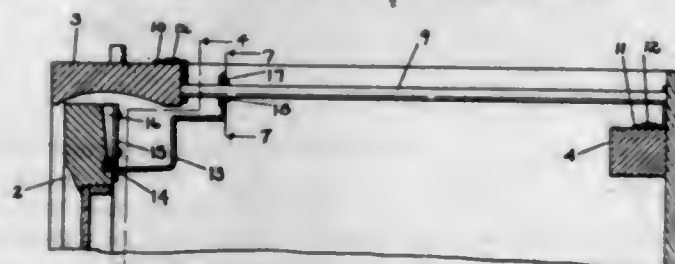
1. In a switch structure, a passive contact, an active contact, a member operable to move said active contact with relation to said passive contact, means for effecting such operation of said member, said member being normally positioned out of engageable relation to said means and other means operable to move said member into engageable relation with said first means, said member, when fully operated, being unresponsive to subsequent movements of said second means.

1,517,266. LINE-FINDER SWITCH. ALBERT DESAINE THOMAS, Paris, France, assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1921. Serial No. 407,274. 8 Claims. (Cl. 179—18.)



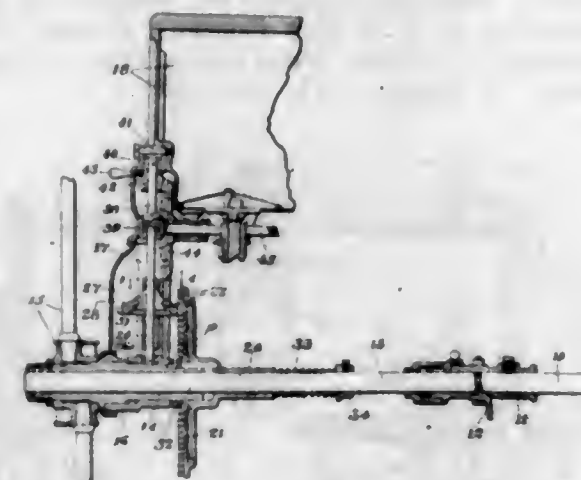
1. In a finder switch a plurality of wiper sets, groups and subgroups of calling lines to which said wipers have access, another wiper for determining in what group a calling line is located, a relay in said switch operable upon initiation of a call for controlling said switch to move the wipers to select the group of lines in which a calling line is located, a relay in said switch operated when the proper group has been selected for causing said switch to simultaneously hunt for a calling line in all subgroups of the selected group, and other relays in said switch one of which is operated when a calling line is found to extend the calling line to an idle trunk line.

1,517,267. DOOR FOR CASES AND CABINETS. FRED W. TOREY, Grand Rapids, Mich. Filed Jan. 23, 1922. Serial No. 531,225. 3 Claims. (Cl. 45—78.)



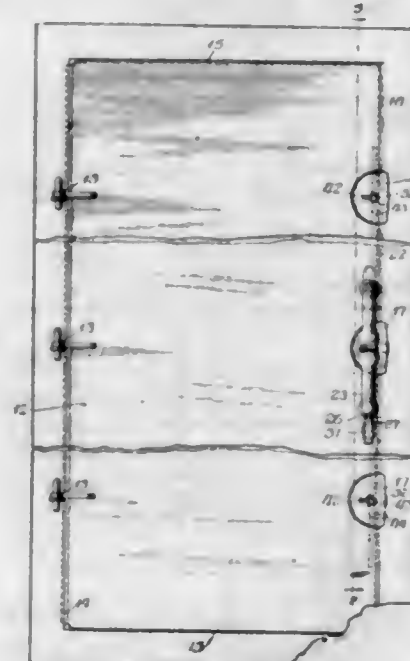
3. The combination with a case, a door, means for supporting and guiding said door comprising a guide rod mounted transversely of said case above said door, a guide member pivoted to the door and vertically slotted to receive said guide rod, and a thimble slidable on said rod and loosely engaged in said slot of said guide member.

1,517,268. DRIVING MECHANISM FOR SEEDING MACHINES. WILLARD A. VAN BRUNT, Los Angeles, Calif., assignor to Van Brunt Manufacturing Company, Horicon, Wis., a Corporation of Wisconsin. Original application filed June 10, 1918. Serial No. 239,109. Divided and this application filed Sept. 4, 1920. Serial No. 408,211. 16 Claims. (Cl. 74—58.)



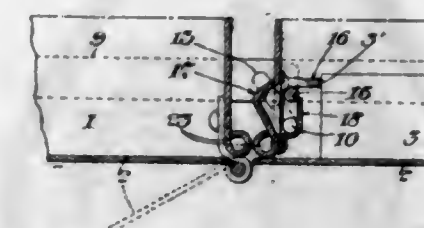
1. A driving mechanism comprising a gear in the form of a disk having a plurality of sets of teeth arranged in concentric rows, said teeth being flat at their outer ends and the teeth of the same row being separated by flat areas, a pinion having radially extending teeth adapted to mesh with the teeth of said rows, the teeth of said pinion being separated by circumferential areas and having circumferential areas at their ends, and recesses in said gear tending to prevent accidental radial movement of said pinion, the end faces of the teeth of said gear and pinion being arranged each to have rolling engagement with the areas between the teeth of the other.

1,517,269. LOCKER. WALTER N. VANCE, Chicago, Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 20, 1919. Serial No. 318,602. 20 Claims. (Cl. 292—189.)



1. A locker, comprising in combination a door frame having a recess intermediate its ends, a slidable latching bar carried by the door and formed with set off lugs movable first through said recess and then into locking position, and fixed means carried by the door for engaging in said recess to prevent separation of the door and frame.

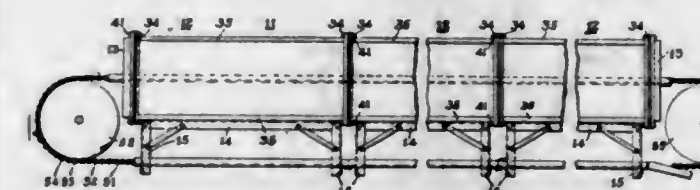
1,517,270. LOCK-CONTROLLING MECHANISM FOR SECTIONAL BOXES. HENRY WILHELM, Brooklyn, N. Y. Filed Feb. 28, 1924. Serial No. 695,694. 33 Claims. (Cl. 70—69.)



1. The combination of a plurality of doors, a key operated lock having a lock bolt, for each door, and master controlling means for locking or unlocking all of the doors simultaneously and including a rock shaft mechanism for each lock having a crank formed nosing for each lock bolt.

2. The combination of a plurality of doors, a key operated lock having a lock bolt, for each door, and master controlling means for locking or unlocking all of the doors simultaneously and including a rock shaft mechanism for each lock having a crank formed nosing for each lock bolt, the crank formed nosing being shiftable toward or from the lock bolts to simultaneously lock or unlock the doors, and the lock bolts being shiftable away from the crank nosings when each is individually unlocked.

1,517,271. SECTIONAL BAKE OVEN. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed June 5, 1922. Serial No. 566,169. 7 Claims. (Cl. 107—57.)



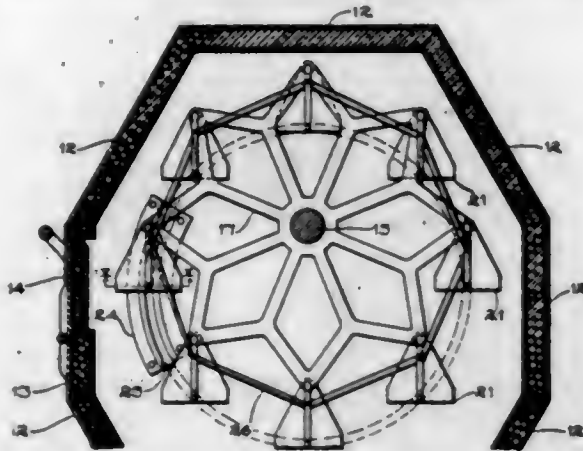
1. In a tunnel-type bake-oven, in combination, a plurality of horizontally extending oven chambers located in abutting relation, each chamber comprising an inner metallic skeleton frame, a plurality of heat-insulating wall panels on said framework, and an outer metallic frame work for securing said wall panels on said inner frame and for holding said abutting chambers in proper operative position relatively to each other.

5. In a tunnel-type bake-oven, a plurality of oven chambers, each comprising a metal skeleton frame substantially rectangular in lateral contour, a top and a bottom heat-insulating panel substantially coextensive laterally and longitudinally with said frame, side heat-insulating panels abutting the edges of said top and bottom panels, means for securing the top and bottom panels to said frame, and means for clamping said side panels against said frame and against the edges of the top and bottom panels.

1,517,272. TRAY-LOCKING MEANS FOR REEL-TYPE OVENS. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed July 11, 1922. Serial No. 574,223. 5 Claims. (Cl. 107—59.)

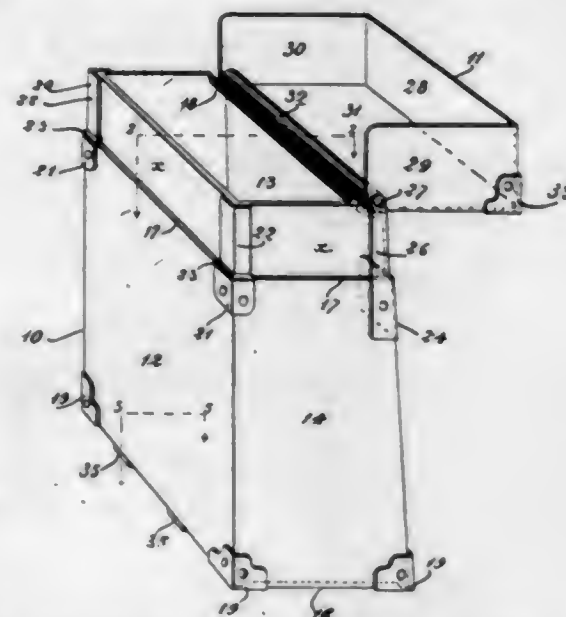
1. In a reel-type bake oven, in combination, a plurality of tray-supporting shafts, a plurality of trays secured to and supported by said shafts, an extension of

substantially L-shape, on the end of each of said shafts, said extensions extending in parallel planes relatively to each other, single rigid links for mechanically connecting



adjacent pairs of said extensions and a single means operatively engaging the outer ends of said extensions for preventing lateral movement thereof.

1,517,273. WEATHERPROOF CONTAINER. JOSEPH BERG, Brooklyn, N. Y. Filed Aug. 9, 1923. Serial No. 656,538. 10 Claims. (Cl. 190-19.)



1. A box-like structure comprising, a body member, said body member having a cylindrical indent at one side thereof, a lid for the body member, a cylindrical portion on said lid cooperating with the cylindrical indent on said body member to form a means for preventing the entrance of rain or snow therebetween when the lid is in covering position relative to the body member.

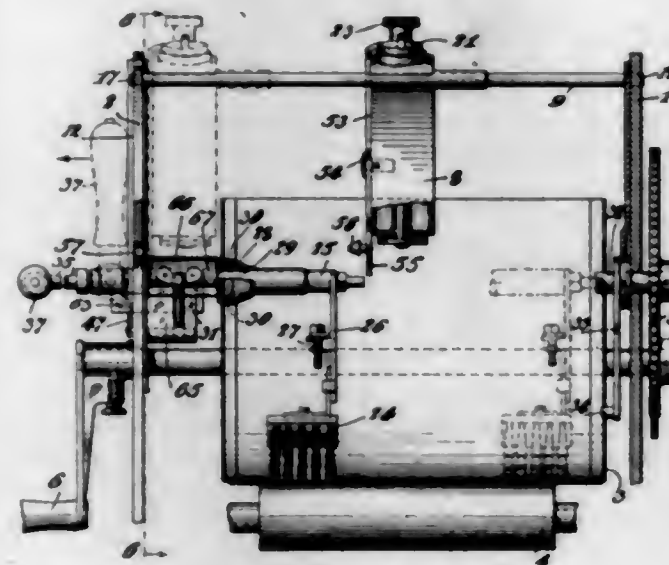
1,517,274. DEMOUNTABLE TIRE RIM. CHARLES C. BONTA, Louisville, Ky. Filed May 31, 1924. Serial No. 716,876. 1 Claim. (Cl. 301-11.)



An automobile tire rim, including in combination an inner element comprising an annular flattened portion, a circular tire sustaining element, an in-turned flange, and an outer element adapted to co-operate with said in-turned flange, together with spaced locking means on the inner element and corresponding slots in the outer

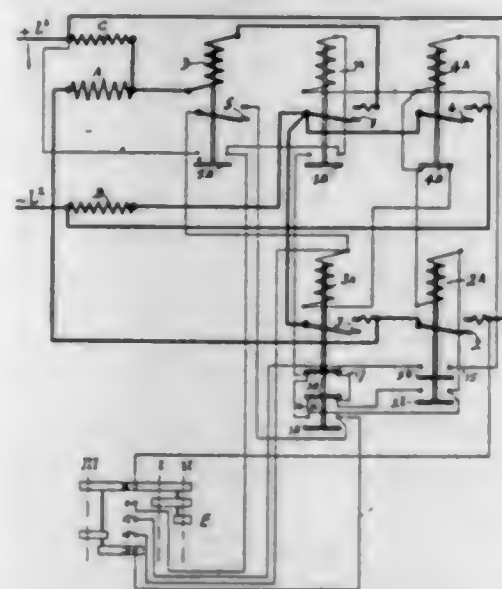
element adapted to co-operate with said spaced locking means, said spaced locking means comprising rivets fastened to the inner element and provided with offset heads whereby the stem of the rivet and the head are flush at one point.

1,517,275. STENCIL DUPLICATING MACHINE. ERNEST J. BRASSEUR, Chicago, Ill., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1922. Serial No. 592,045. 21 Claims. (Cl. 101-120.)



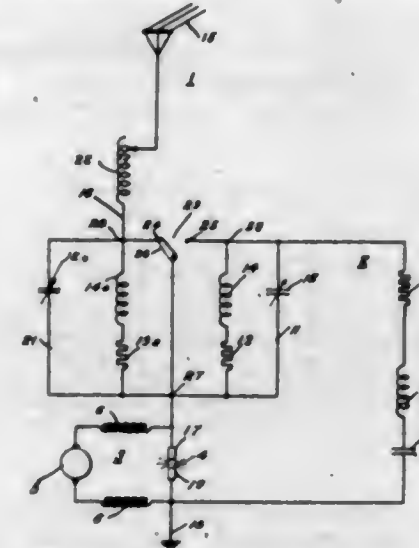
1. A stencil duplicating machine having a cradle removably mounted therein and an ink tank slidably mounted on said cradle, said ink tank adapted to be moved out of the line of the printing action.

1,517,276. CONTROL OF ELECTRIC LIFTING MAGNETS. WILFRID BROOKE, Hale, and HENRY EDWARD BOWEN, Sheffield, England, assignors of one-fourth to Edward Holme and Company Limited, Altrincham, England, and one-fourth to Steel, Peck and Tozer Limited, Ickles, near Sheffield, England. Filed July 28, 1921. Serial No. 488,189. 7 Claims. (Cl. 175-335.)



2. In a device of the class described, the combination of a lifting magnet, a source of current supply, means for controlling the circuit through said magnet thereby to energize and deenergize the same, and means actuated by the closing of the circuit for ensuring the complete decay of current in the discharging circuit before the energizing circuit is again closed.

1,517,277. SIGNALING SYSTEM. OMAR B. BUCHANAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No. 493,234. 13 Claims. (Cl. 250-19.)



5. The method of signaling by means of an arc device and antenna and absorbing circuits supplied by said device which consists in alternately inserting and removing parallel-resonant reactance devices in the respective circuits.

1,517,278. CASING SUPPORT AND BEAD-SPREADING APPARATUS. FRANCIS M. CASE, Cleveland, Ohio, assignor to Earle Ramsdell, Cleveland, Ohio. Filed Aug. 30, 1919, Serial No. 320,794. Renewed Oct. 17, 1924. 17 Claims. (Cl. 154-9.)

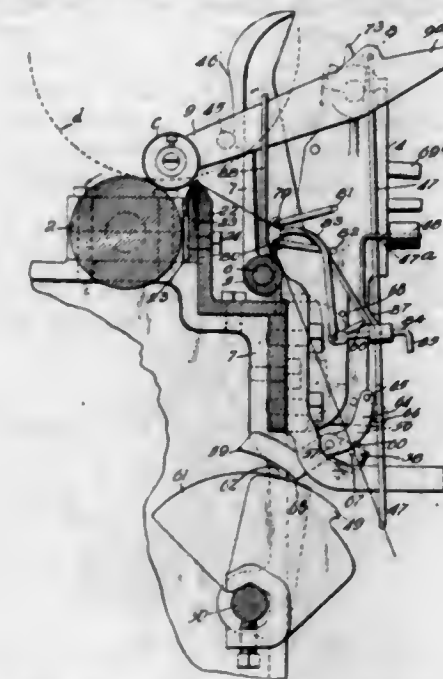


1. A tire casing support and bead spreading apparatus, comprising a standard, upper and lower devices carried thereby for supporting the tire casing, the lower one of said devices being adjustable, a bead spreading device mounted on said standard, and means for actuating said spreading device including a treadle lever and a lock therefor.

1,517,279. WINDER. HOWARD D. COLMAN, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Original application filed Oct. 30, 1911, Serial No. 657,529. Renewed Feb. 10, 1916. Serial No. 77,525. Divided and this application filed Aug. 15, 1917. Serial No. 186,280. 18 Claims. (Cl. 242-18.)

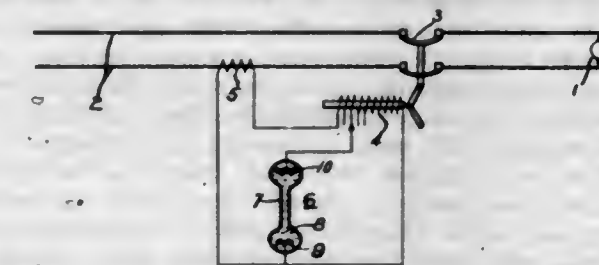
11. A winder having, in combination, a roll for rotating a yarn mass through peripheral contact therewith, a movable support, a member pivotally mounted on said support for rotatably supporting the yarn mass

for movement toward and away from the roll, a device to traverse the yarn, and means for moving said support so as to impart a movement of translation to said



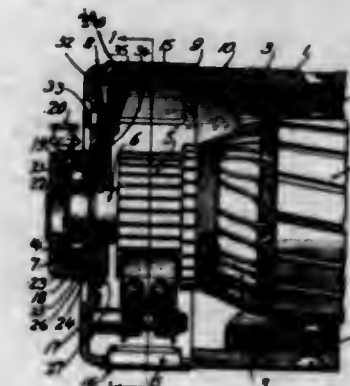
member in a direction to main the yarn mass and the traversing device in proximity to each other as the winding proceeds.

1,517,280. RELAY SYSTEM. LESLIE N. CRICHTON, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1921. Serial No. 499,138. 7 Claims. (Cl. 175-294.)



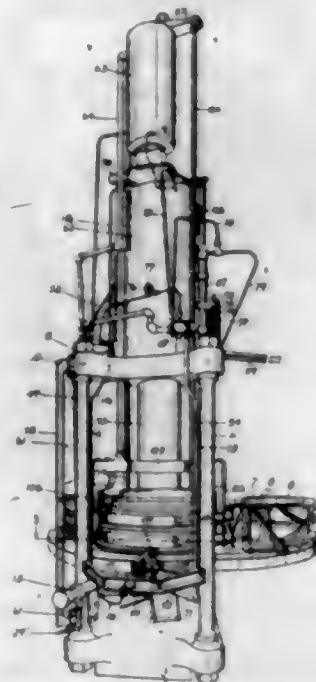
7. The combination with an electric circuit, of a thermal relay and a trip coil connected thereto to produce an auto-transformer effect for heating the thermal relay.

1,517,281. DYNAMO. LOUIS B. EHRLICH, Brookline, Mass., assignor to Gray & Davis, Inc., Cambridge, Mass. Filed Jan. 28, 1924. Serial No. 688,966. 14 Claims. (Cl. 171-324.)



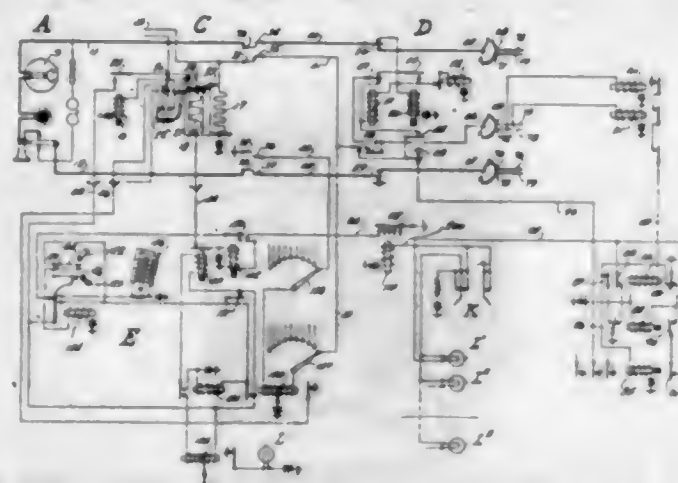
11. In a dynamo electric machine; an endcap; and a brush holder of the swinging arm type supported by the endcap, a stud forming a pivot for the brush holder, a post, and a spring pressing against the brush holder and the post, said brush holder being constructed and arranged to lift the spring from the post when the brush holder reaches a predetermined angular position on the stud.

1,517,282. PRESS. FRANK C. EMBICK, Kalamazoo, Mich., assignor to Kalamazoo Sanitary Manufacturing Company, Kalamazoo, Mich. Filed Oct. 21, 1922. Serial No. 595,961. 42 Claims (Cl. 25-45.)



1. In a molding machine, the combination of a molding table, molds comprising complementary mold members having bottom flanges and upwardly tapered flanges at their abutting edges, said molds being disposed on said table which constitutes the bottom of the molds, a molding plunger, a cylinder therefor, mold locking members channeled to embrace said flanges and having opposed upwardly inclined ways in the sides of the channels with balls therein coacting with said mold member flanges, actuating means for said mold locking members, means for clamping the mold to the table at molding position comprising a pair of coacting clamping jaws, one of which is adapted to engage the table and the other the bottom flange of a mold, actuating means for said jaws comprising a plunger operatively connected to the jaws and a coacting cylinder, and fluid control connections for said cylinders whereby their actuation is timed.

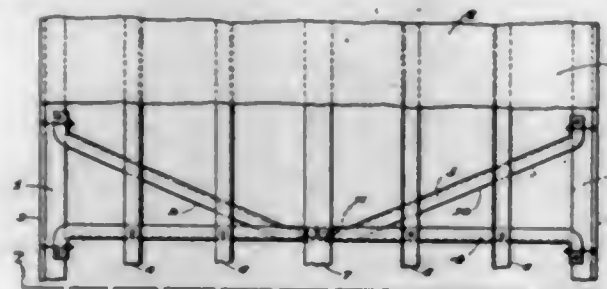
1,517,283. AUTOMATIC TELEPHONE SYSTEM. RALPH W. ENGBERG, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1923. Serial No. 665,530. 6 Claims. (Cl. 179-18.)



1. In combination, a relay, a plurality of branch operating circuits for said relay, lamps included in series with said circuits, means for momentarily applying a potential to any one of said branches to cause the operation of said relay, and means for simultaneously removing all of said branches from connection with said

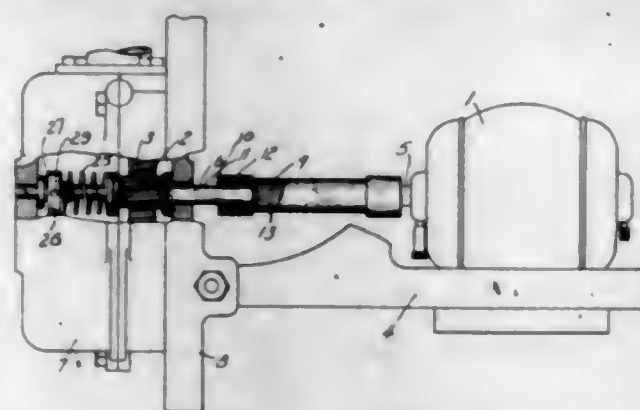
relay should said potential remain on any branch, said last means also effective to close a circuit for the particular lamp associated with the branch having a potential thereon.

1,517,284. CARLINE. PAUL E. FINGER, New Kensington, Pa., assignor to P. H. Murphy Company, Parnassus, Pa., a Corporation of Pennsylvania. Filed Oct. 26, 1921. Serial No. 510,478. 5 Claims. (Cl. 108-5.6.)



1. A carline composed of two arched members lying in different respective planes, each member provided at its end with a bent portion adapted to engage both angular surfaces of the side plate.

1,517,285. DRIVING MECHANISM FOR WASHING MACHINES. OSCAR F. FISCHER and ALVIN W. KRAHN, Milwaukee, Wis., assignors, by mesne assignments, to Sunbeam Electric Manufacturing Co., Evansville, Ind., a Corporation of Indiana. Filed June 27, 1921. Serial No. 480,535. 7 Claims. (Cl. 74-29.)

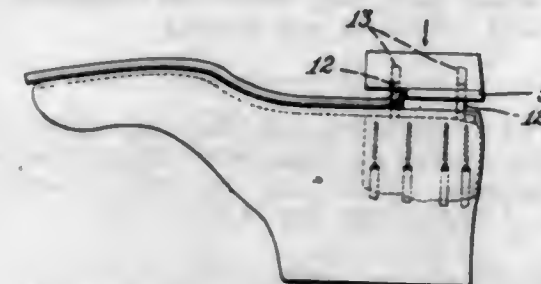


1. Driving mechanism for devices subject to variable load, said mechanism including a drive shaft flattened at its end and shouldered intermediate its ends, a pinion loosely mounted upon the reduced portion of the drive shaft adjacent the shoulder, means rotatable with the drive shaft and adapted to communicate frictionally the torque of the shaft to the pinion, a threaded sleeve secured to the reduced portion of the drive shaft at a point remote from the shoulder, a nut threaded upon said sleeve, a spring confined between said nut and said means rotatable with the drive shaft.

1,517,286. SHOE AND METHOD OF MAKING THE SAME. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 6, 1918. Serial No. 252,867. Renewed Aug. 5, 1920. Serial No. 401,567. 15 Claims. (Cl. 12-142.)

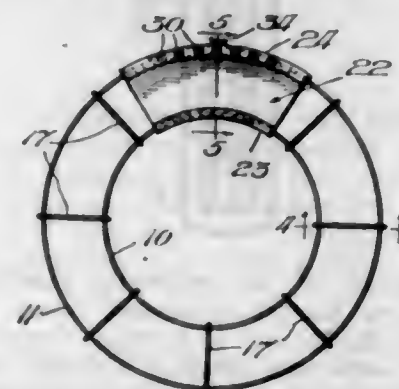
1. That improvement in methods of making shoes which consists in providing a short sole to extend under the heel breast, fitting its end to present upturned marginal corners and a recessed intermediate edge, providing a sole extension member to extend from the rear end of the heel to the short sole, attaching the sole to a shoe, attaching the extension member to the shoe heel, providing the sole and the shoe heel with guiding surfaces adapted to be aligned when the short sole and

the sole extension are in the right longitudinal relation to each other, bringing together the heel and attached extension member with a shoe having the attached sole until the extension member and the upturned corners



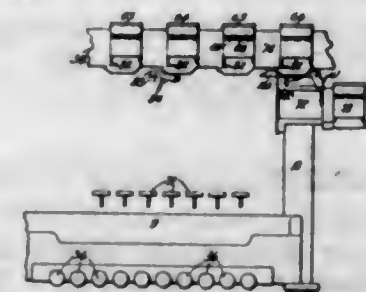
abut, then guiding the sole and the heel relatively by said surfaces while bending the upturned corners downwardly until the extension member is brought into the plane of the sole, and securing the heel to the shoe with the corners crowded against the extension member.

1,517,287. WREATH AND THE LIKE. HANS PETER HANSON, Chicago, Ill. Filed Sept. 24, 1923. Serial No. 664,501. 5 Claims. (Cl. 41-12.)



5. As a new article of manufacture, a substantially circular wreath comprising in combination substantially circular wire hoops, means for retaining said hoops in the proper position with respect to each other, a junction member for the end portions of the wires of the hoop members, said junction member being curved substantially corresponding to the curvature of the wreath, the junction member being adapted to receive the end portions of the wires of the hoop members and permit relative movement thereof, and means in conjunction with the junction member for securing the end portions of the wire of one hoop member against longitudinal displacement with respect to each other, substantially as described.

1,517,288. CALCULATING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed May 28, 1923. Serial No. 641,807. Renewed Aug. 4, 1924. 67 Claims. (Cl. 235-59.)

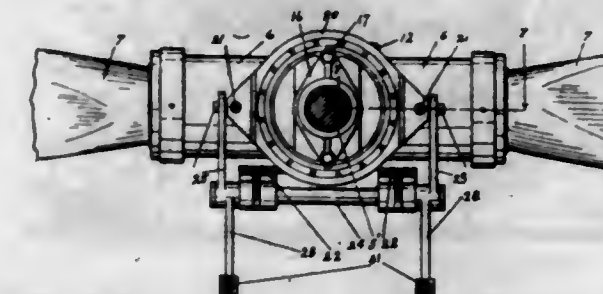


1. In a calculating machine, the combination of a carriage, register wheels, actuating means for said register wheels, state controlling means automatically controlled by the carriage, a release key carried by the carriage for freeing it from control of its escapement

mechanism, and means controlled by actuation of said release key for controlling said state controlling means.

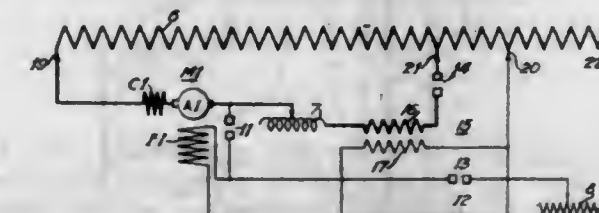
3. In a calculating machine, the combination of a carriage, a release key carried thereby, a jumping totalizer, automatically operating means for effecting a plurality of forward and backward movements of said jumping totalizer for a complete movement of said carriage in one direction, and means controlled by said release key for preventing a return movement of said jumping totalizer to normal position.

1,517,289. AIRPLANE. SETH HART and ROBERT I. EUSTIS, Los Angeles, Calif. Filed May 17, 1920. Serial No. 381,867. 9 Claims. (Cl. 244-25.)



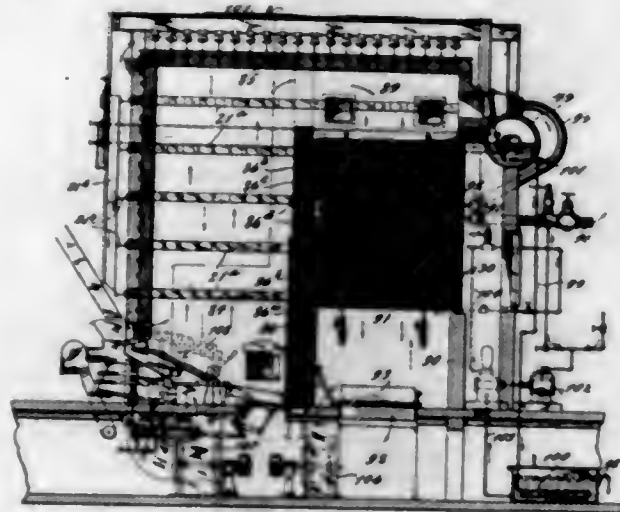
1. The combination of an airplane, a propeller shaft therefor, a propeller hub with lateral sleeves, adjustable propeller blades supported in the said sleeves, a yoke transverse to the said sleeves on the said propeller hub, supporting pins from the said yoke to the said hub parallel to the axis of said hub, an axially adjustable ring carried by said pins and revoluble with said hub, pivoted link connections from the said ring to said adjustable propeller blade, one above and the other below the said sleeves, an adjustable bearing yoke carried by the engine and embracing said adjustable ring and constituting a bearing support therefor, ball thrust bearings between said adjustable yoke and ring, pins carried by said adjustable yoke and disposed parallel to the propeller shaft, brackets on the front end of the engine with bearing ways for said pins, a rock shaft carried by said bracket, arms on said rock shaft slotted to engage pins on the end of said adjustable yoke, an adjusting lever with lock segment in the cockpit of said airplane, connections therefrom to said rock shaft, an auxiliary lever pivoted to said lock segment and disposed in proximity to the adjusting lever, a cam slot in said lever, a roller on said adjusting lever engaging said cam slot, extensible connections from said lever to the throttle of the engine, the said cam being formed to actuate the throttle and to throttle the engine when the adjusting lever is at neutral, all coacting substantially as described for the purpose specified.

1,517,290. SYSTEM OF CONTROL. LLOYD J. HIBBARD, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 13, 1919. Serial No. 337,655. 8 Claims. (Cl. 172-276.)



1. The combination with an alternating-current commutator machine having an armature and an exciting field winding, of means for changing from a series machine to a shunt-excited machine, a reactor, a resistor, and means operative concurrently with such change for inserting said reactor and said resistor in the respective circuits.

1,517,291. BOILER AND SETTING THEREFOR. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Feb. 17, 1922. Serial No. 537,154. Renewed Apr. 25, 1924. 44 Claims. (Cl. 110-1.)

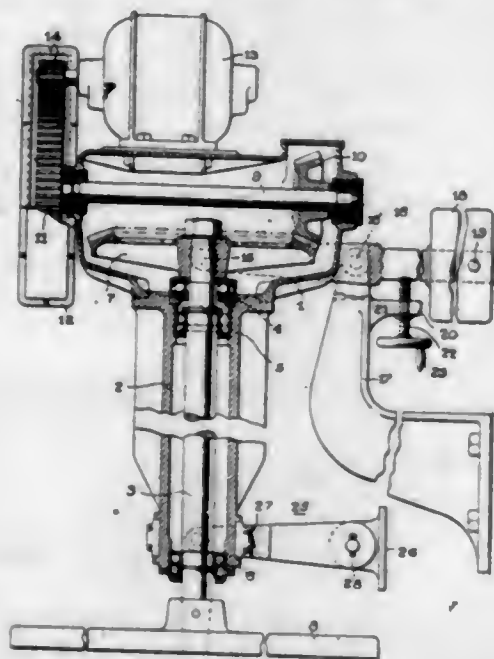


1. In a steam boiler, a furnace and boiler setting, an outer wall spaced from the walls of said setting, a forced-blast fuel-burning device for said furnace, and means for passing air through the space within said outer wall to said furnace, the air flowing in a generally reverse direction to that of the hot gases so that the coldest air comes in contact with the coolest part of the setting.

1,517,292. ELECTRODE, WELDING ROD, AND SOLDERING STICK. ERNEST HENRY JONES, London, England. Filed Oct. 12, 1920. Serial No. 416,419. 3 Claims. (Cl. 219-8.)

1. Electrodes, welding rods and soldering sticks of the kind set forth, comprising a metal rod and a covering for the rod containing a substantial proportion of manufactured graphite.

1,517,293. DRIVE-GEAR MECHANISM. LESTER H. KEIM, Crafton, Pa., assignor to R. D. Nuttall Company, a Corporation of Pennsylvania. Filed Sept. 22, 1923. Serial No. 664,203. 8 Claims. (Cl. 74-7.)



1. A drive mechanism comprising an annular housing, a counter-balanced lever for pivotally mounting said housing, a vertical shaft journaled in an extending arm portion of said housing, a drive shaft journaled

transversely of said vertical shaft in the head portion of said housing, a pair of bevel gears connecting said shafts, a cylindrical gear wheel mounted on the end of said transverse shaft and a drive motor geared to said last named gear, said motor and cylindrical gear being mounted outside of said housing.

1,517,294. RECEPACLE FOR BLASTING CARTRIDGES. AMBROSE KOWASTCH, Berlin-Charlottenburg, Germany. Filed July 19, 1920. Serial No. 397,556. 1 Claim. (Cl. 206-3.)



The combination of an externally insulated vessel adapted to store several cartridges ready for being saturated with liquid air, a vertical funnel branched off from said vessel and adapted for the introduction of said cartridges, and an obturator engaged in said funnel, said obturator being provided at its exterior end with an aperture for passage of igniting wires of the cartridges and below with an enlarged space adapted to receive a cartridge.

1,517,295. PRIMER FOR LIQUID-AIR CARTRIDGES. AMBROSE KOWASTCH, Berlin-Charlottenburg, Germany. Filed July 19, 1920. Serial No. 397,558. 2 Claims. (Cl. 102-9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



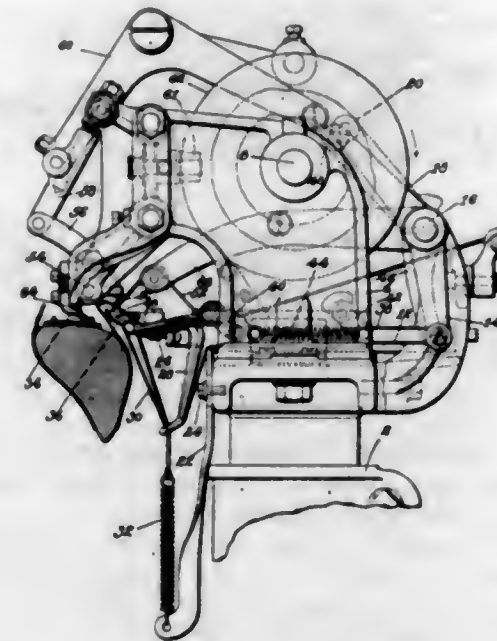
1. In a device for blasting with the aid of a liquefied gas, the combination of an ordinary igniting fuse with a fuse adapted to be saturated with a liquefied gas.

1,517,296. ART OF PRINTING. EDWARD A. KUNZ, Wilmette, Ill. Filed Feb. 1, 1922. Serial No. 533,154. 8 Claims. (Cl. 41-255.)



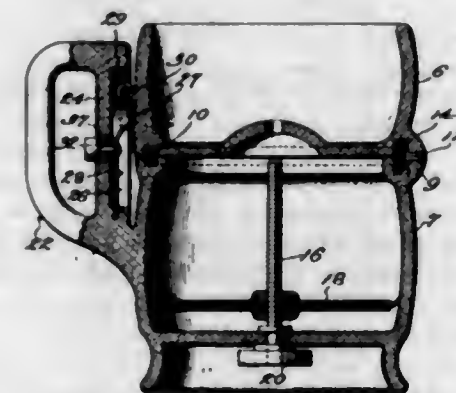
1. In the art of printing, the process of making a matrix which consists in reproducing a design in a coating applied to the surface of said matrix, etching the surface of said matrix with a solvent which does not affect said coating, removing said coating from said matrix, and again etching said matrix, whereby the surface of the latter is brought to a plurality of different levels according to the different light values.

1,517,297. LASTING MACHINE. FRED N. LA CHAPPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 31, 1921. Serial No. 473,686. 37 Claims. (Cl. 12-6.)



1. In a machine for progressively lasting a shoe upper, the combination of wiping lasting means for treating successive portions of the shoe upper and working them progressively into lasted position, and means for intermittently operating the lasting means to move heightwise of the shoe in rubbing engagement therewith.

1,517,298. SHAVING MUG. AUGUST LANGE, Chicago, Ill. Filed Apr. 18, 1924. Serial No. 707,447. 4 Claims. (Cl. 45-136.)

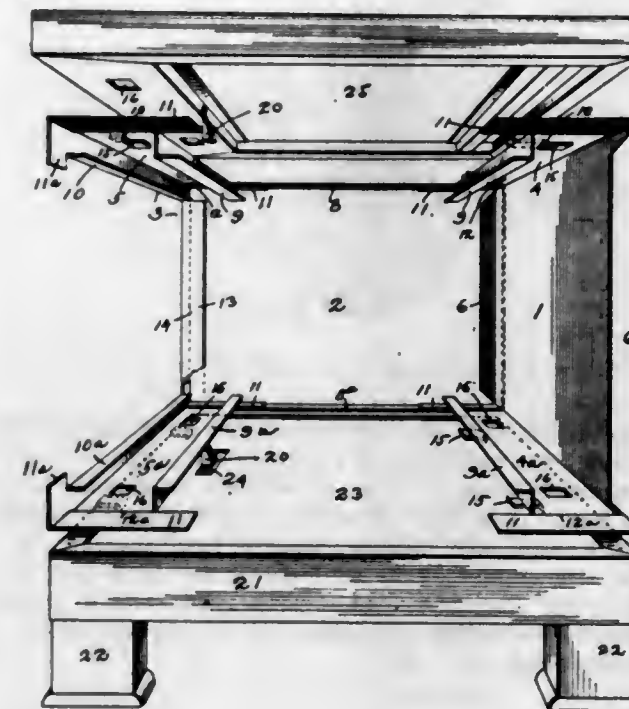


2. A shaving mug comprising upper and lower sections, means hingedly connecting said sections, a handle carried by the lower section and extending into overlapping relation with the upper section, said handle being provided with a front wall having a socket, a spring anchored in said lower portion of the socket and having its upper portion formed with a hook, the upper section of the mug being provided with a lug engaged by said hook, and a finger piece slidable with relation to said front wall of the handle and connected to said spring.

1,517,299. SECTIONAL-CASE CONSTRUCTION. EDWARD G. LEHMAN, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Sept. 21, 1918. Serial No. 255,086. 5 Claims. (Cl. 45-2.)

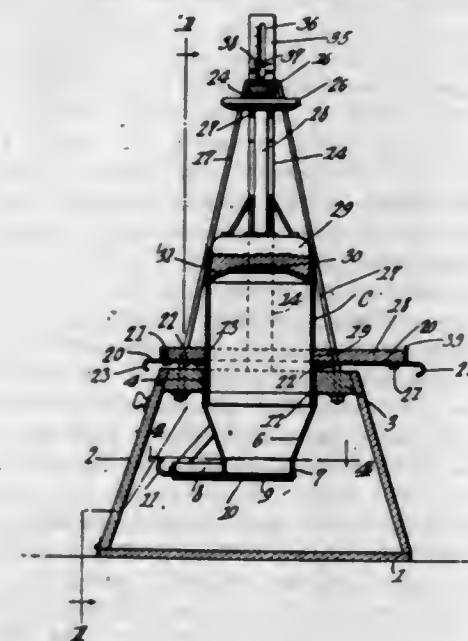
1. Sheet metal shell construction for sectional case units comprising back and side plates, cross plates at the top and bottom of the back plate having intumed flanges at the forward edges, and a front frame includ-

ing top and bottom cross plates having intumed flanges at the forward and rear edges, there being flanges on the side plates overlapping the ends of the cross plates



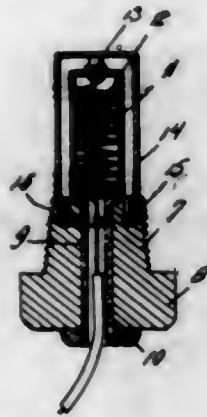
and said forward flanges of the front frame cross plates, the forward side plate flanges being bent and extended inward between the forward cross plate flanges.

1,517,300. DISPENSING APPARATUS. JOHN W. McCauley, Chapel Hill, N. C., assignor of one-fourth to W. S. Roberson, one-fourth to D. S. Long, and one-fourth to R. C. Andrews, all of Chapel Hill, N. C. Filed Feb. 29, 1924. Serial No. 696,020. 7 Claims. (Cl. 221-103.)



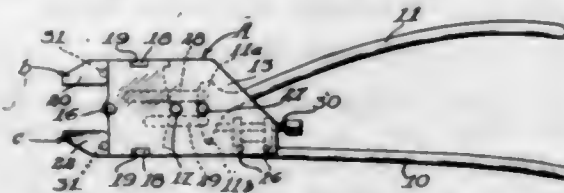
7. The combination with a base, a container receiving hopper supported therein having an outlet, and a cut-off for the outlet, means slidable on the base for conveying a container to position above the hopper upon insertion into the hopper, a feed gear mounted for rotation above the slide, a plunger, a threaded stem thereon engaging the feed gear, means for actuating the gear to direct the plunger into the container to expel its contents into the hopper, and cooperating fixed and movable measuring means upon the base and stem respectively.

1,517,301. LIQUID HEATER. HARVEY F. McMICHAEL and JOHN H. LEE, Timpan, Colo. Filed Feb. 18, 1924. Serial No. 693,606. 2 Claims. (Cl. 219-38.)



1. An electric heater comprising a plug formed with a central bore providing a passageway, a tube of dielectric material formed with a reduced extension providing a neck, said neck extending through said passageway, the free end thereof being screw-threaded, a retaining nut connected to said screw-threaded end, a resistance coil disposed within said tube, and a protecting cylinder covering said tube and detachably connected with said plug.

1,517,302. ADJUSTABLE WRENCH. BERNARD LYNN McNERNEY, Minneapolis, Minn. Filed July 10, 1923. Serial No. 650,577. 8 Claims. (Cl. 81-88.)



1. In a wrench of the class described, a body comprising a block and cover plates reaching back from the sides thereof, said block having ways therein arranged transversely of the body and in parallelism with each other and with said plates, said block being further formed with spaced, parallel guide slots arranged longitudinally of the body, a handle rigidly secured at its forward end to said plates between the same, a second handle, pivoted at its forward end between said plates, opposed rocker arms on the pivoted end of said second handle, a pair of end jaws, each including a shank and a head thereon, said shanks being slidable in the ways in said block and having reversed companion cam slots therein, the same being arranged angularly with respect to the direction of movement of said jaws, a pair of pins, one for each guide slot, said pins reaching through companion cam slots in said shanks and through their respective guide slots in said block, a pair of links for each pin, each pair of links serving to connect the ends of its respective pin with the end of one of said rocker arms, the swinging of the pivoted handles serving through the medium of said links and the co-action of said pins with the surfaces of said cam slots to open and close said jaws, anti-friction bearings interposed between the jaws and block to prevent the binding of the former with the latter and an adjustable stop co-operating with the pivoted handle to variously limit the opening of the jaws.

1,517,303. ADJUSTABLE WRENCH. BERNARD LYNN McNERNEY, Minneapolis, Minn. Filed Sept. 24, 1923. Serial No. 664,564. 4 Claims. (Cl. 81-128.)

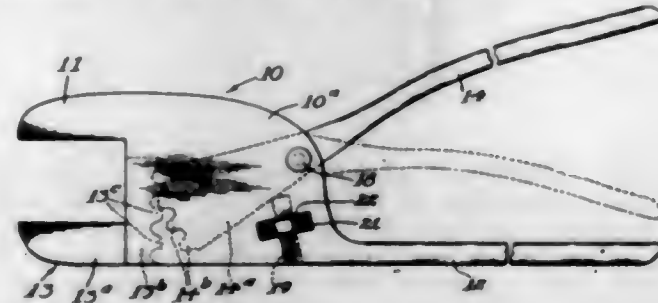
1. In a wrench, a body, a handle pivoted thereon, jaws carried by the body, one jaw being slidable thereon, jaw shifting means interposed between the handle and slidable jaw to vary the jaw opening upon rela-

tive tilting movements of said handle and body, a spring leaf anchored to the body, a stop screw adjustable in said handle and arranged to strike said spring, the co-action of said spring and stop screw serving to



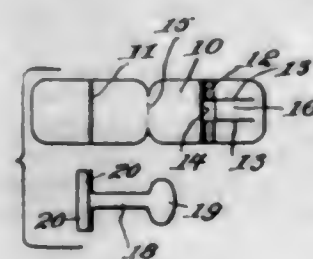
adjustably and yieldingly oppose relative tilting movements of the handle and body in directions increasing the jaw opening, such opposition being effected earlier or later during such movement of said handle and body according to the adjustment of said screw.

1,517,304. WRENCH. BERNARD LYNN McNERNEY, Minneapolis, Minn. Filed Nov. 30, 1923. Serial No. 677,598. 1 Claim. (Cl. 81-80.)



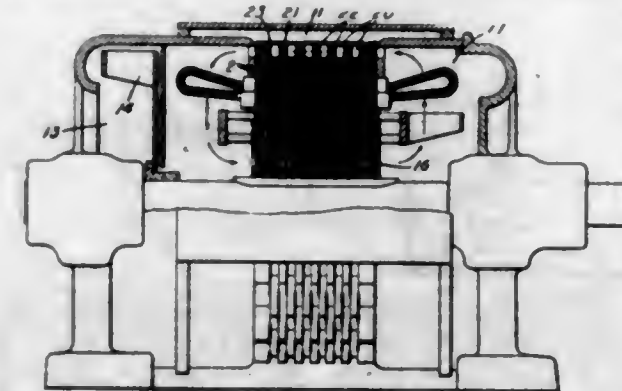
A wrench of the class described including a head-block having a slot therein, a fixed jaw integral with said block and extending forwardly therefrom, a movable jaw opposed to said fixed jaw, a guideway extending transversely of said block and communicating with said slot, a toothed shank on said movable jaw, said shank being slidable in said guideway, a pair of handles extending rearwardly from the head-block, one of said handles being fixed thereon and the other pivoted thereto, a segmental toothed head at the forward end of said pivoted handle, the same moving within the slot in the head-block and meshing with said toothed shank of the movable jaw, an adjustable stop screw, said head-block supplying a mounting for said stop screw, said screw serving as an abutment for the head of the pivoted handle and adapted to variously limit the jaw opening movement of said handle.

1,517,305. COLLAR FASTENER. HARRY V. MELICK, Columbus, Ohio. Filed Nov. 26, 1923. Serial No. 677,077. 2 Claims. (Cl. 24-97.)



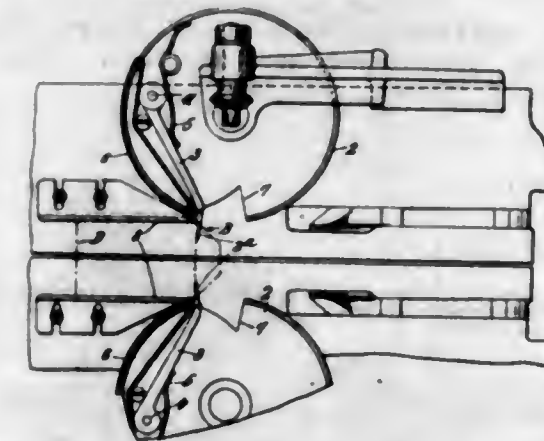
1. A collar securing device comprising a securing member adapted to be permanently mounted upon the neck band of a shirt and including a base, a post pivoted thereon and adapted to have the other end of the neck band and the ends of a collar engaged thereon, said post being swingable to lie selectively flat against the neck band or to extend outwardly at right angles thereto, and a free ended tongue on the base for holding the post in either selected position.

1,517,306. INCLOSED VENTILATED MOTOR. CHESTER B. MILLS, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 21, 1918. Serial No. 263,571. 3 Claims. (Cl. 171-252.)



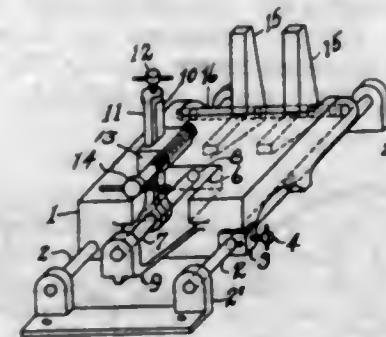
1. In an inclosed dynamo-electric machine, a stator member of laminated structure, two casings disposed adjacent to said structure and forming inner and outer circumferential chambers, the outer periphery of said laminated structure constituting one of the walls of said inner chamber, said inner chamber being in communication with the exterior atmosphere and the outer chamber being closed with respect thereto, and means for circulating independent currents of air through said chambers.

1,517,307. MACHINE FOR WRAPPING CIGARETTES AND SIMILAR ARTICLES. WALTER EVERETT MOLINS, London, England. Filed Feb. 20, 1924. Serial No. 694,136. 6 Claims. (Cl. 93-6.)



1. Wrapping mechanism comprising in combination, a moving conveyor for carrying a wrapped packet open at one end, gripping rollers for the packet, means for rotating said rollers at a speed sufficient to drag the packet in advance of the conveying means and tucking mechanism for operating on the open end of the packet while it is so dragged.

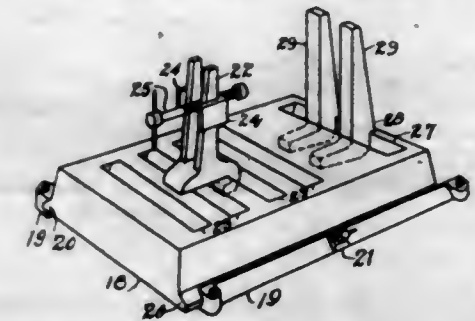
1,517,308. VISE. CHARLES W. MORGAN, Chicago, Ill., assignor of one-half to Andrew C. Lyen, Chicago, Ill. Filed Sept. 27, 1922. Serial No. 590,933. 5 Claims. (Cl. 81-17.)



5. In a vise or holding appliance, a rear jaw adjustable in width and position, and a front jaw having a pressure element adjustable transversely, longitudinally and vertically.

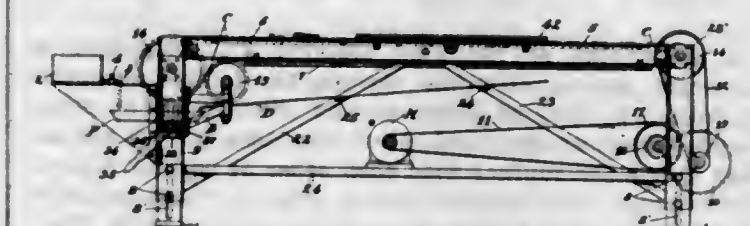
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1,517,309. VISE. CHARLES W. MORGAN, Chicago, Ill., assignor of one-half to Andrew C. Lyen, Chicago, Ill. Original application filed Sept. 27, 1922, Serial No. 590,933. Divided and this application filed Dec. 3, 1923. Serial No. 678,534. 2 Claims. (Cl. 81-17.)



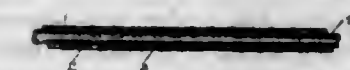
1. In a vise or holding appliance for bench testing of automobile magnetos, generators or starters, the combination comprising a supporting carriage to receive the work, the top of said carriage having multiple parallel slots extending substantially from one edge to the opposite; parallel guides or rails to support the carriage; a bench or table to which the guides are rigidly attached; a set-screw in one of the rails to secure the carriage rigidly to the rails at any desired point; two members of similar pattern comprising in combination the rear jaw of the vise, each L-shaped and shouldered and mounted in one of the slots in the carriage; a fork-hook member engaged with another slot, the hook of the said fork-hook gripping the edge of the slot; a U-shaped block with pressure screw mounted in its center, the dimensions of the block being sufficient to permit the arms of the U to embrace both tines of the fork on the fork-hook member.

1,517,310. BOTTLE-DIPPING MACHINE. JENS MORTENSEN, Brooklyn, N. Y., assignor to Northam Warren Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,634. 2 Claims. (Cl. 226-80.)



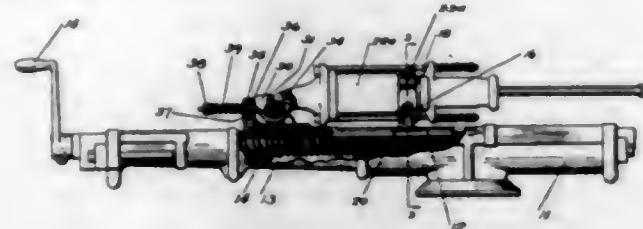
1. In a dipping machine the combination of upper rail means, lower rail means, pulleys located adjacent the ends of the said rail means, idler means located between one end of said lower rail means and the pulleys adjacent the said end of the said lower rail means, a chain conveyor having rollers adapted to move upon the top portions of the said rail means and to pass around the said rollers and over the said idler means so as to prevent sagging of the said chain conveyor, blocks connected to the rollers of the said chain conveyor, gripping means located on the said blocks and adapted to grip the bottles to be dipped, and a tank mounted underneath the pulleys located adjacent said idler means, the said pulleys underneath which the said tank is mounted being of greater diameter than the vertical distance between the said rail means.

1,517,311. ELECTRODE FOR ELECTRIC-ARC WELDING. GEORGES MORTE, Brussels, Belgium. Filed Jan. 5, 1923. Serial No. 610,877. 10 Claims. (Cl. 219-S.)



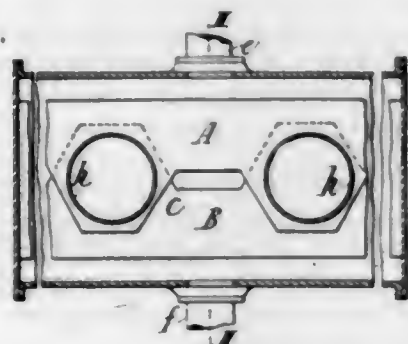
1. An electrode for electric welding, comprising, a metallic core of undetermined length, metallic windings surrounding the core, and a coating material arranged between the windings but not covering them.

1,517,312. MOUNTING FOR ROCK DRILLS. GUSTAVE M. NELL, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Mar. 18, 1921. Serial No. 453,294. 15 Claims. (Cl. 255-51.)



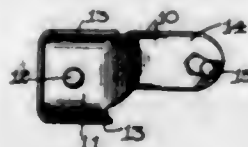
1. In a mounting for rock drills, the combination with a drill holding carriage, of drill body embracing retaining jaws pivoted thereto, and means for drawing said jaws toward each other to grip a drill body placed therebetween.

1,517,313. APPARATUS FOR THE SUBDIVISION AND TREATMENT OF FLUIDS. EDWARD LLOYD PEASE, Darlington, England. Filed Feb. 1, 1921. Serial No. 441,706. 5 Claims. (Cl. 48-180.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



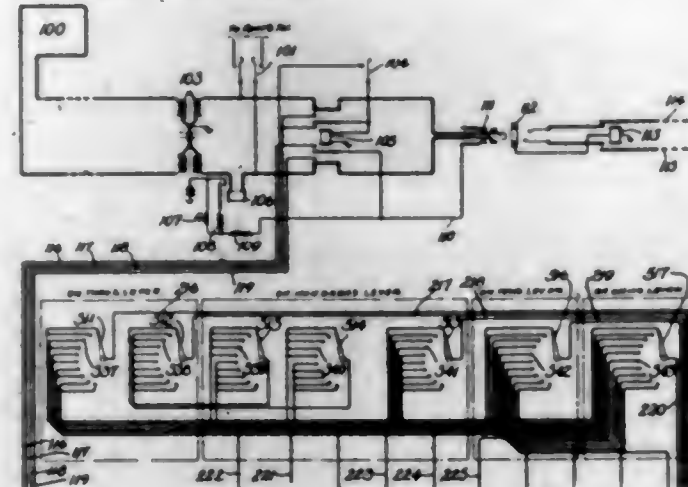
2. Apparatus of the kind referred to, comprising a structure having openings therein for inlet and outlet of fluid, a number of sheets having entirely flat or plane parallel surfaces arranged closely together and so shaped that they make contact with each other at certain regions thereof and form narrow spaces between those portions of alternate sheets that are not in contact with intermediate sheets and a passage which extends through the assembled sheets in a direction at right angles to the plane thereof and is in communication with the said narrow spaces, the said spaces being in communication with some of the openings in the casing and the passage being in communication with a separate opening in the casing.

1,517,314. SWEEP-STICK-SUPPORTING FIXTURE FOR LOOMS. LLEWELYN M. REED, Dudley, Mass., assignor of one-half to Arthur F. Raymond, Webster, Mass. Filed Feb. 25, 1922. Serial No. 539,068. 1 Claim. (Cl. 139-152.)



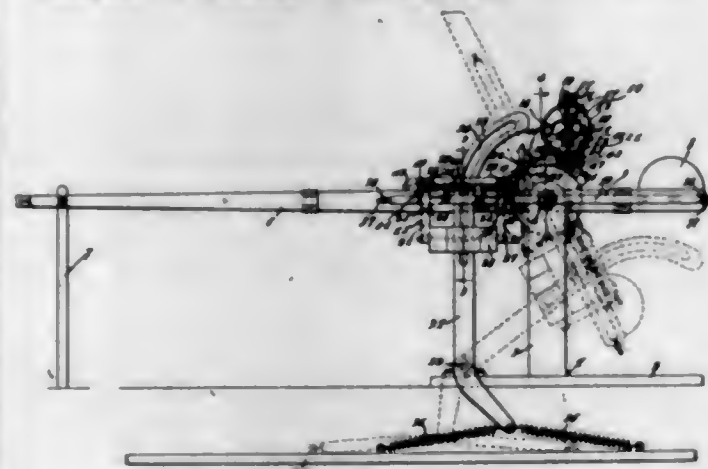
In a shuttle driving mechanism for looms, the combination with a sweep arm, a pivotally mounted picker stick and a support pivotally mounted on the same axis as said picker stick, of a lug strap carried by said arm for loosely embracing said picker stick and a fixture carried by said sweep arm providing a lug to which the upper end of said support is pivotally connected, and a pair of ears for positioning said lug strap.

1,517,315. TELEPHONE-EXCHANGE SYSTEM. WILLIAM A. RHODES, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 6, 1920. Serial No. 428,578. 9 Claims. (Cl. 179-27.)



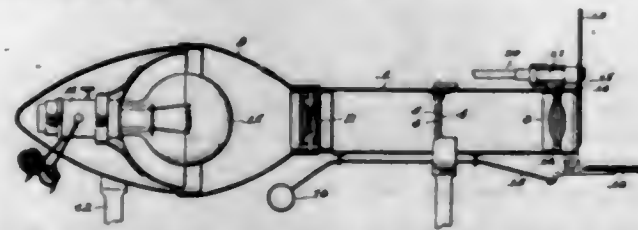
1. In a telephone exchange system, an automatic switch, a connecting circuit, means for extending a connection over said circuit to the automatic switch, a register controlling mechanism including a plurality of rotatable registers, manually operable means for adjusting said registers to their set positions, means for associating said mechanism with the connecting circuit, an impulse counting device operable in accordance with the set positions of said registers, and means controlled by said counting device for determining the operation of said automatic switch.

1,517,316. GATE-OPENING MEANS. JOHN B. RODGERS, Hamburg, Ark. Filed Apr. 22, 1924. Serial No. 708,274. 7 Claims. (Cl. 39-92.)



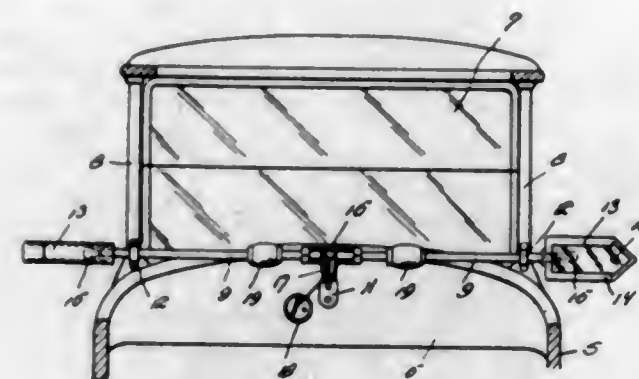
1. In a device of the class described, a gate pivotally mounted intermediate its ends and having a track, a weight-carriage movable along the track to open and close the gate, and means for moving the carriage along the track.

1,517,317. SYNCHRONIZED SHUTTER FOR USE UPON AN AIRPLANE SEARCHLIGHT OR PROJECTED GUN SIGHT. HERBERT O. RUSSELL, Parlier, Calif., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,414. 3 Claims. (Cl. 88-24.)



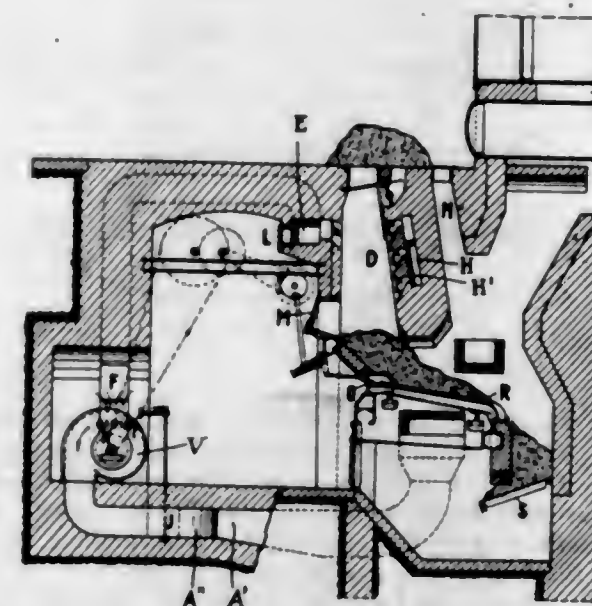
1. In combination with a light beam projecting apparatus for aircraft, a shutter operating in synchronism with the propeller to prevent the beam from striking the propeller.

1,517,318. VEHICLE DIRECTION INDICATOR. JOSEPH SECKNER and OTTO SCHOLL, Dodgeville, Mich., assignors of one-third to Henry Schwenk, Hancock, Mich. Filed Feb. 28, 1924. Serial No. 695,758. 1 Claim. (Cl. 116-46.)



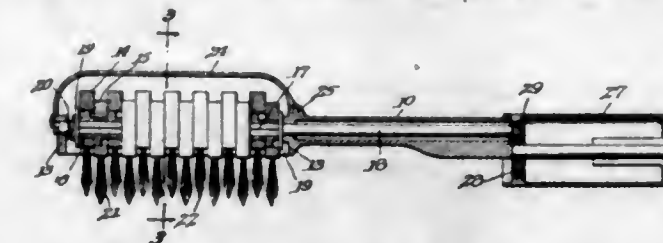
A direction indicator for vehicles comprising a bracket adapted to be mounted on the instrument board of the vehicle, said bracket being provided with a horizontally elongated tubular bearing, a pair of separate bearings adapted to be mounted on the windshield standards, a pair of hollow independently rotatable rods journaled in said bearing, signal boxes carried on the outer ends of said rods, said boxes being oblong and provided with pointed outer ends, and hand gripping knobs secured to the rods between the bearings to permit selective rotation of the rods and bearings for rendering the signal boxes operative or inoperative.

1,517,319. WET-FUEL FURNACE. FRITZ SEYBOTH, Zwickau, Germany. Filed June 3, 1922. Serial No. 565,711. 5 Claims. (Cl. 110-7.)



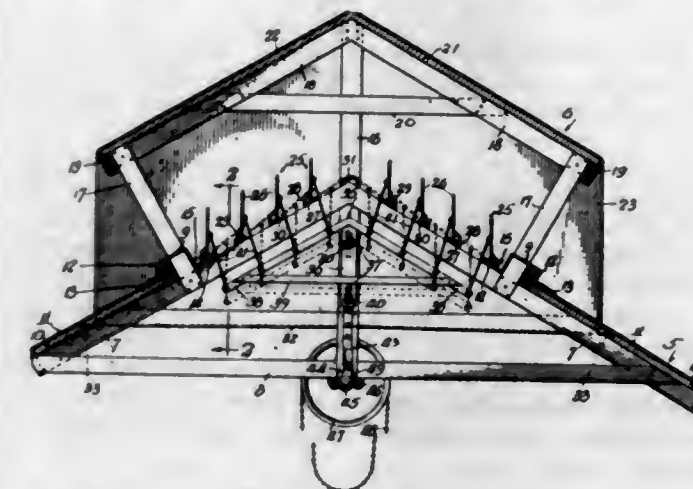
1. In a wet fuel furnace having a flue, the combination of a preheating chamber adapted to preheat the wet fuel, a furnace chamber, said preheating chamber being located so that hot combustion gases are free to pass directly through said preheating chamber to heat the wet fuel thereof, a grate located in the said furnace chamber and adapted to receive the preheated fuel thereof, a passage connecting the said preheating chamber and the said furnace at a point below the said grate, means adapted to supply a regulated amount of fresh air through the said passage into the furnace, and means adapted to cause and to regulate the passage of vapors from the said preheating chamber into the said furnace.

1,517,320. TOOTHBRUSH. JOHN PENDREIGH STODART, Salinas Chacalluta, Arica, Chile. Filed Mar. 12, 1923. Serial No. 624,558. 6 Claims. (Cl. 15-22.)



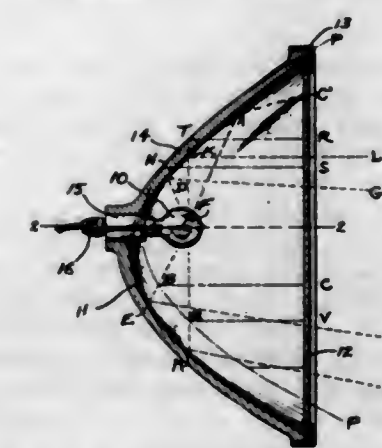
2. A tooth brush including a handle, a frame, a brush including a plurality of sections arranged within the frame and mounted for oscillating movement, and means for oscillating alternate sections simultaneously in opposite directions.

1,517,321. BUILDING-VENTILATOR CONSTRUCTION. JOSEPH SYLVAN, Chicago, Ill. Filed Apr. 26, 1921. Serial No. 464,650. 3 Claims. (Cl. 98-4.)



3. In combination with means providing a ventilation opening, a hood above said opening, and a plurality of normally upright, hinged deflector plates extending longitudinally of said opening, each plate including an outwardly facing trough at its bottom edge, a vertically movable frame, means connecting the frame and the deflector plates, and means for imparting movement to said frame to swing said deflector plates about the hinged axes.

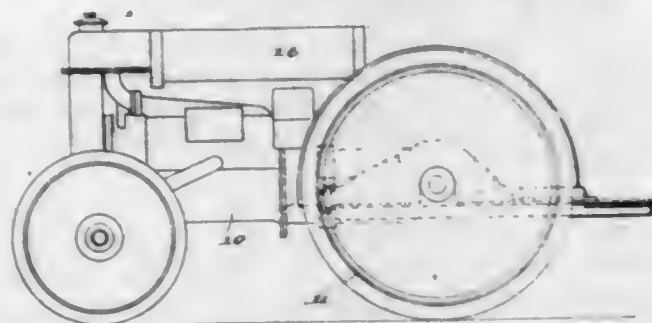
1,517,322. HEADLIGHT REFLECTOR. OLIN TEMPLIN, Lawrence, Kans. Filed Aug. 2, 1922. Serial No. 579,114. 2 Claims. (Cl. 240-41.)



1. A reflector for projecting light rays from a source situated at its focus, said reflector having the curvature of a distorted paraboloid, a section of said reflector above the axis approaching a paraboloid and projecting parallel rays, a second section above the first named section approaching a tangential plane and projecting rays upwardly with increasing divergence, both said sections being bent inside the limiting paraboloid, a third section above the axis and that portion of the

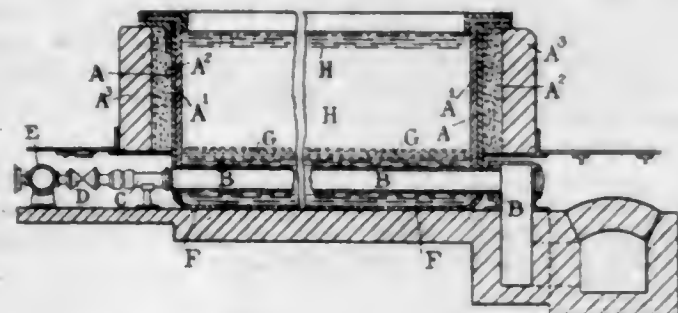
reflector below the axis being bent outside the limiting paraboloid and projecting rays downwardly with increasing divergence, the reflector being also spread laterally, the focus and axis of the reflector being coincident with those of the limiting paraboloid.

1,517,323. SAFETY ATTACHMENT FOR TRACTORS. PAUL O. TRAHAN, Gueydan, La. Filed Sept. 6, 1922. Serial No. 586,469. 3 Claims. (Cl. 250-152.)



1. The combination with a tractor having rear traction wheels, a transmission case, rear axle housings and a differential case between the rear axle housings having a rearwardly projecting lug to which a draw bar is attached, of a frame including side bars converging in a forward direction beneath the rear axle housings, having means at their forward ends in clamping engagement with the transmission case and having means at their rear ends forming steps rearwardly of the traction wheels, and a cross brace between and rigidly connecting said side bars intermediate their ends, said cross brace being secured to the lug of the differential casing in connection with said draw bar and a cross frame member having means forming a draw bar guide.

1,517,324. BATH FOR GALVANIZING. NICHOLAS KING TURNBULL, Millport, Scotland. Filed Dec. 13, 1923. Serial No. 680,559. 1 Claim. (Cl. 262-14.)

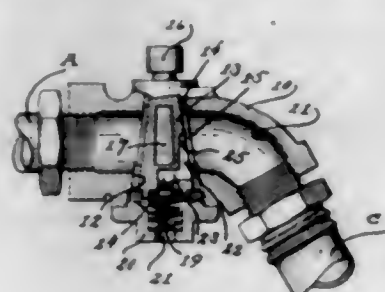


An iron or steel bath for galvanizing metal articles in which the zinc or spelter covers a layer of heavier metal such as lead comprising in its construction a tank to contain the metal, a plurality of steel heating tubes secured into the ends of the tank and passing through the tank near the bottom in such position as to be submerged in the heavier metal, a plurality of burners fitted to heat the tubes, a flue to carry off the products of combustion from the tubes, an insulating lagging around the exterior of the tank and an inner lining of refractory material closely secured to the sides and ends of the tank and extending below the surface of the lead.

1,517,325. ANGLE COCK FOR AIR-BRAKE EQUIPMENT. OWEN H. WAGER, Cincinnati, Ohio. Filed Aug. 9, 1922. Serial No. 580,718. 1 Claim. (Cl. 251-110.)

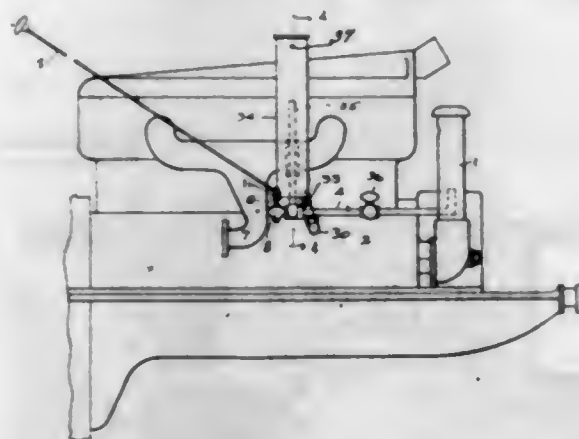
An angle cock for air brake systems comprising a valve body having a longitudinally extending air passage and having a transversely extending passage, a hollow conical bearing member mounted in the transversely ex-

tending passage and having opposed openings registering with the longitudinally extending air passage, a tapered valve plug fitting into the conical member and having a diametrically extending passage intermediate its ends movable into and out of registry with the openings of the conical member when said plug is rotated, said plug being provided with a longitudinally extending recess leading from one end and axially of the plug and at its inner end communicating with a radially extending passage opening through the side of the plug and communicating with a groove extending longitudinally of the plug



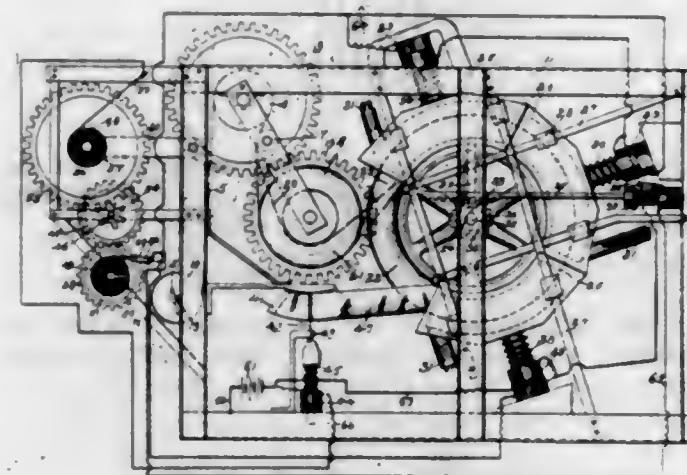
toward the other end thereof and communicating with a groove extending circumferentially of the plug and terminating adjacent one end of the air passage extending diametrically through the plug, a cap nut for the valve body having a passage forming an outlet for air passing through the end of the plug, spring means between the cap nut and serving to hold the plug tightly wedged in the conical member, and means for turning the plug to move the diametrically extending passage thereof into and out of registering with the side ports of the conical member.

1,517,326. CARBON ELIMINATOR AND FUEL SAVER FOR INTERNAL-COMBUSTION ENGINES. ARTHUR F. WATKINS, Lakewood, Ohio. Filed Apr. 20, 1922. Serial No. 556,682. 1 Claim. (Cl. 123-119.)



In an apparatus of the character described, the combination with an internal combustion engine having an inlet manifold and a crank case, of a cylindrical reservoir positioned centrally of one side of said crank case and extending upwardly above a horizontal plane at the level at the top of said engine, a valve closure at the top of said reservoir, an integral closure for the lower end of said reservoir, a pipe connecting said crank case with said lower end of said reservoir, a check valve and a cut-off valve in said connecting pipe, a gas supply conduit extending upwardly within said reservoir to a point above a horizontal plane located at the top of the breather pipe of said engine, a second gas conduit connected with the lower end of said first-named gas conduit and extending forwardly to said breather pipe and upwardly within the same, a cut-off valve in said second conduit, a gas delivery nozzle mounted within the engine manifold, a check valve within said delivery nozzle, a connecting section between said delivery nozzle and said two conduits, and a controlling valve in said connecting section having an extension rod with its upper end located adjacent the position of the driver of the automobile.

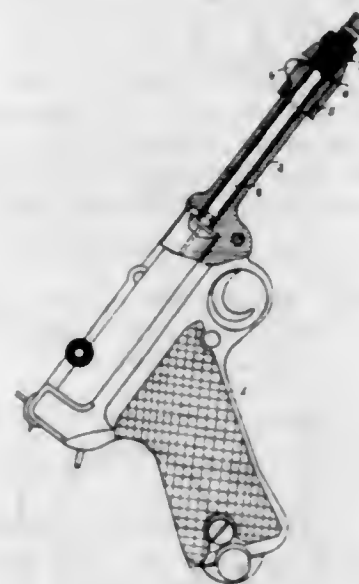
1,517,327. APPARATUS FOR VULCANIZATION. EDWIN C. WIESE, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Feb. 5, 1921. Serial No. 442,897. 16 Claims. (Cl. 18-6.)



1. A continuous press comprising a first platen adapted to be advanced with the stock and a second platen cooperating therewith and adapted to be retracted to permit relative movement between said stock and said second platen in a direction to advance said stock relative to said second platen.

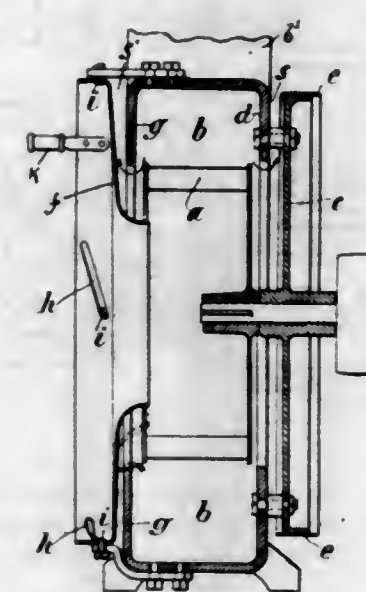
12. A continuous press comprising a first platen adapted to be advanced with the stock, a second platen adapted to be advanced to cooperate with said first platen and to be retracted out of cooperating position, means to advance said first platen, means to advance and retract said second platen, and means controlling the two said means to cause operation thereof in cycles each comprising advance of said first platen, then advance of said second platen, then pause, and then retraction of said second platen.

1,517,328. COUPLING FOR SUBCALIBER OR PRACTICE BARRELS. KARL WEISS, Nuremberg, Germany. Filed Feb. 14, 1924. Serial No. 692,781. 2 Claims. (Cl. 42-77.)



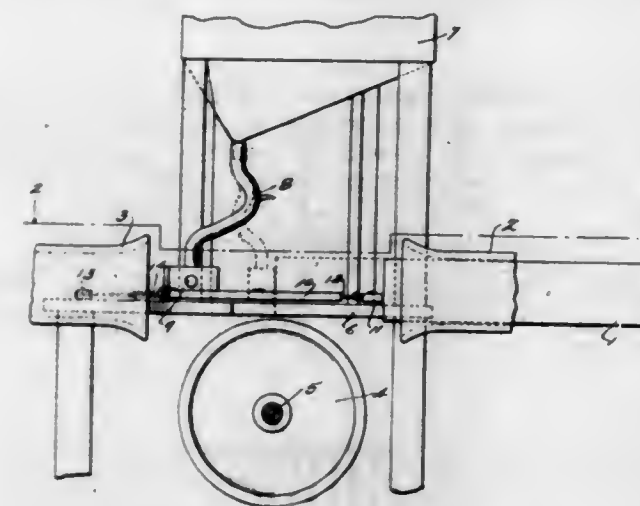
1. In a device of the character described, the combination of a main and a threaded auxiliary barrel with a sleeve mounted upon the main barrel, said sleeve being adapted to receive said auxiliary barrel in a threaded central bore, and an adjusting screw mounted on the threaded portion of said auxiliary barrel and adapted to abut against the muzzle of the main barrel, said adjusting screw having a central bore in longitudinal direction for receiving said auxiliary barrel.

1,517,329. CENTRIFUGAL FAN OR BLOWER. LEO WEISS and EUGEN MANDLER, Vienna, Austria. Filed Aug. 29, 1921. Serial No. 496,226. 6 Claims. (Cl. 230-11.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The combination with a centrifugal fan having means for permitting the escape of a portion of the fluid discharged by the fan blades, and a diffuser through which said portion of air is allowed to escape.

1,517,330. AUTOMATIC SLACKER FOR SEAMLESS TUBE MILLS. LEWIS H. WEITZ, Jr., Beaver Falls, Pa. Filed July 9, 1923. Serial No. 650,444. 7 Claims. (Cl. 80-1.)

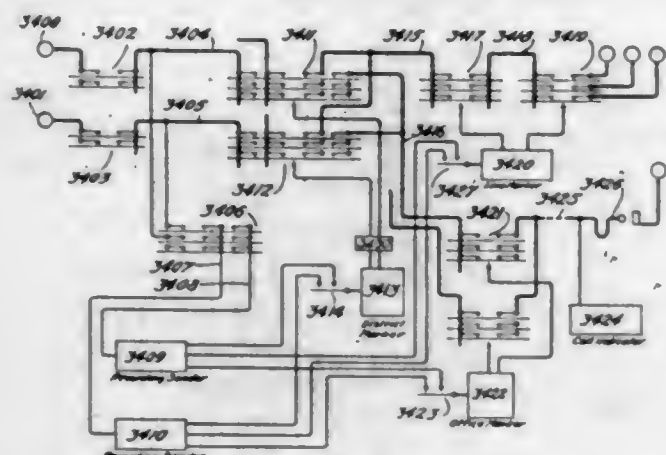


1. In a device of the character described, the combination with a tube making machine, means to guide the tubes through the machine, a hopper containing slack to be supplied to the end of each tube, a nozzle adapted to move in the path of movement of the tube, and means to move the nozzle into and out of the path of movement of the said tube.

1,517,331. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 23, 1922. Serial No. 596,179. 44 Claims. (Cl. 179-27.)

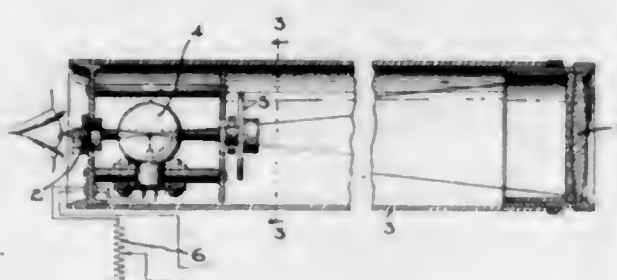
1. The combination in a telephone system, having a series of selective stages and a plurality of switches at each stage for extending connections, of lines, a selection

controlling device for each stage and common to the switches thereat, a recording mechanism operable over one of said lines for recording a designation, and means



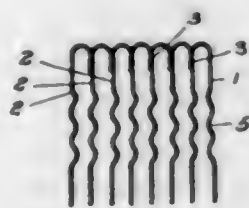
separate from the connection extended for connecting said recording mechanism with each of said controlling devices to selectively operate a switch at each stage.

1,517,332. SIGNALING SYSTEM. ROBERT W. WOOD, Baltimore, Md. Filed Oct. 30, 1919. Serial No. 334,464. 7 Claims. (Cl. 88-1.)



1. In a signaling apparatus, a sending and receiving device including light projecting means, means for selectively transmitting only light rays of low visibility, and means for varying the intensity of the projected light.

1,517,333. COMB. EDA L. YOUNG, Sewickley, Pa. Filed Jan. 11, 1924. Serial No. 685,557. 2 Claims. (Cl. 132-20.)



1. A comb including the combination of a complete wire hairpin and an incomplete wire hairpin, the incomplete pin lacking one prong, the two members being arranged side by side and in a common plane and united bow to bow.

1,517,334. COMB. EDA L. YOUNG, Sewickley, Pa. Filed Feb. 28, 1924. Serial No. 695,706. 1 Claim. (Cl. 132-20.)

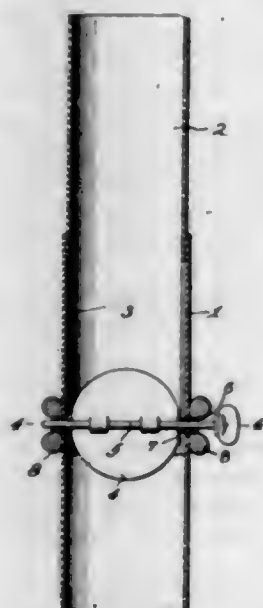
An invisible comb whose tines at the free end consist each of a single length of wire, said comb being formed of a plurality of wire hair-pins arranged side by side in

common plane and at intervals apart, and of a uniting wire bowed across the interval between the hair-pins



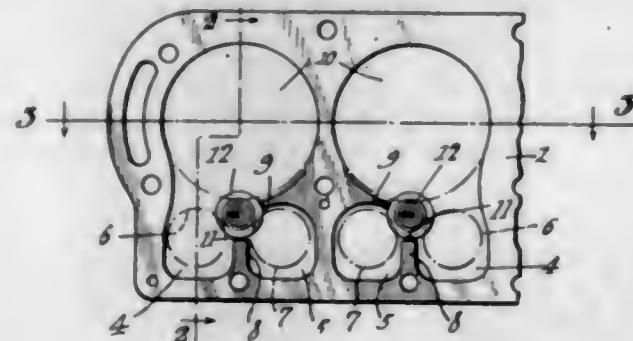
and integrated with the hair-pins by intertwisting at the bases of the prongs and adjacent the bows thereof, leaving free the ends of the tines of the comb so formed.

1,517,335. EXTENSIBLE PIPE. FREDERICK ZINIS, Anchorage, Territory of Alaska. Filed Sept. 7, 1923. Serial No. 661,480. 1 Claim. (Cl. 126-282.)



A stove pipe comprising two sections, telescopically arranged and the inner pipe having a pair of diametrically arranged slots which are covered by the outer pipe and said outer pipe having a pair of diametrically arranged holes therein which register with the slots, flanged sleeves passing through the slots and holes with their flanges engaging the inner walls of the inner pipe, said sleeves having flat portions for engaging the walls of the slots and the other portions of the sleeves being screw threaded, wing nuts engaging the threaded portions and a damper having its rod passing through the sleeves.

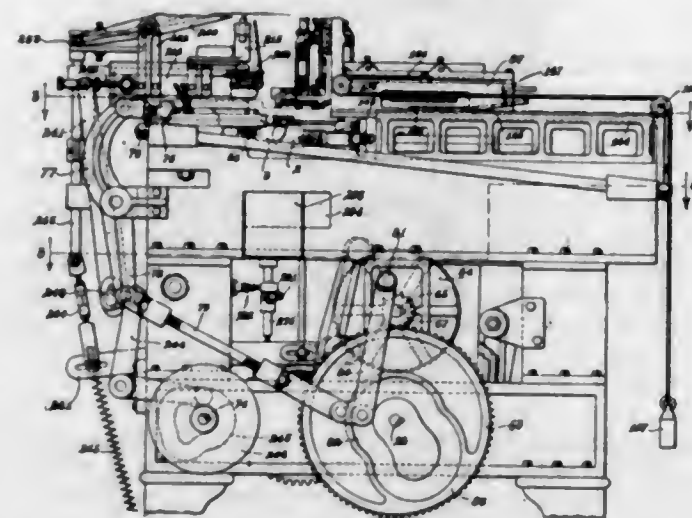
1,517,336. MOTOR HEAD. EVARISTO ABRIGO, San Antonio, Tex. Filed Mar. 21, 1924. Serial No. 700,901. 1 Claim. (Cl. 123-191.)



A cylinder head having a combustion chamber therein, exhaust and intake valve housing chambers, a wall separating said chambers, a spark plug located adjacent the intake manifold chamber, said wall having an open-

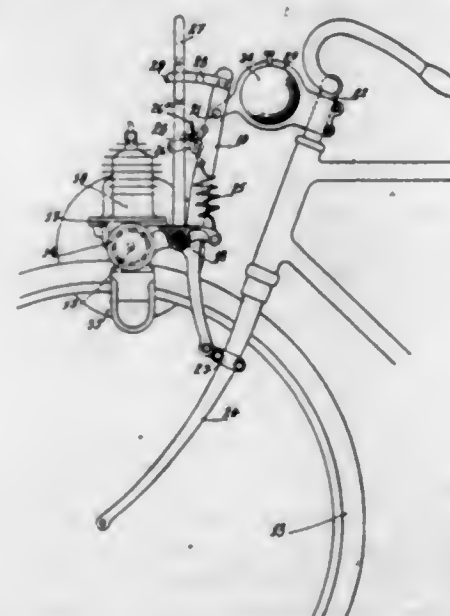
ing therein opposite the plug for the passage of gas from the intake valve to the combustion chamber and in the path of which the ports of the point are located whereby each suction stroke of the engine cleanses the plug.

1,517,337. AUTOMATIC COUNTER-MOLDING MACHINE. ALBERT E. AYER, Winthrop, Mass., assignor to W. H. McElwain Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 9, 1921. Serial No. 513,910. 50 Claims. (Cl. 12-66.)



1. In a counter molding machine, the combination with cooperating molds, of means for operating said molds comprising a lever, mechanism operating through said lever to apply the molding pressure to the molds, and additional means operative independently of said mechanism and of its connections with said lever to relatively move the molds into molding relationship prior to the operation of said mechanism.

1,517,338. MEANS FOR PROPELLING BICYCLES AND SMALL VEHICLES. GUYAVE BESSIERE, Neuilly-sur-Seine, France. Filed Apr. 18, 1922. Serial No. 555,100. 2 Claims. (Cl. 180-33.)



1. Propulsion means for bicycles comprising a pair of arms, means to pivotally connect said arms to the front fork of a bicycle a supporting base pivotally mounted on said arms and having a lever said lever and said arms having means to secure said lever and therefore said base to adjusted position, an engine mounted on said base, a reel driven by said engine and comprising a pair of disks, cylinders connecting said disks and rollers arranged for rotation on said cylinders and for direct engagement with a pneumatic tire of said bicycle and

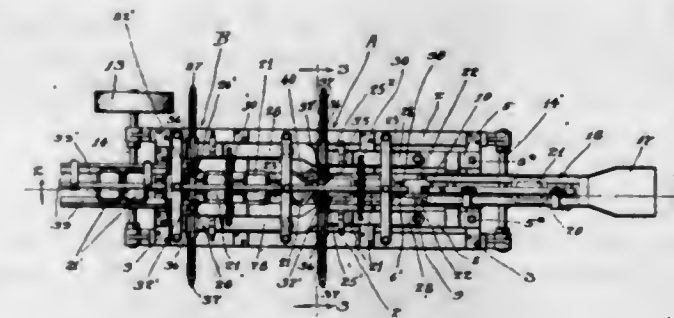
a spring active on said base to press said reel against said tire to cause the rollers of the reel, as the latter revolves, to successively press against engage in and deform the tire.

1,517,339. DEVICE FOR SEPARATING FRUIT JUICES FROM PULP. FRED W. BROWN, Cleveland, Ohio. Filed Sept. 3, 1924. Serial No. 735,595. 4 Claims. (Cl. 146-3.)



1. A device of the character described, comprising a body portion provided with a central discharge, a strainer angularly disposed in said discharge and having an open end portion to permit the pulp to escape therefrom, and means carried by said body and located over said discharge for extracting pulp.

1,517,340. METHOD OF AND APPARATUS FOR COMPOUND LINING CAN ENDS. HARVEY L. BRYANT, Brooklyn, N. Y., assignor to American Can Company, San Francisco, Calif., a Corporation of New Jersey. Filed Feb. 24, 1920. Serial No. 360,624. 40 Claims. (Cl. 113-80.)



1. An apparatus for the described purpose, the same comprising a series of rotating carriers for receiving unlined flanged can ends and advancing the same throughout the apparatus, a plurality of spaced lining stations past which the ends are moved, mechanism situated at each of said stations for applying lining compound to the flange of a can end, and means interposed between said stations for imparting a part rotation to the said carriers and can ends to position the unlined portions of the flange of the ends to receive thereon lining compound at the second lining station of the apparatus.

1,517,341. SNOW SHOVEL. MICHAEL B. BULGER, Beaver Dam, Wis., assignor to Middle West Mfg. Co., Beaver Dam, Wis. Filed Oct. 12, 1922. Serial No. 594,107. 2 Claims. (Cl. 294-54.)

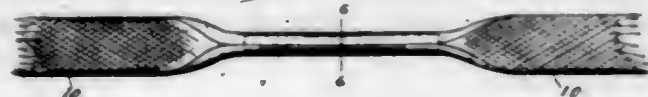
1. In a device of the class described, a body, an integral reinforcing frame including diverging braces united by a connecting portion, a socket bearing against the body and provided at its lower end with a reinforce-

ing member bearing against the body and located between the braces, the reinforcing member being thicker than the connecting portion of the frame and being provided



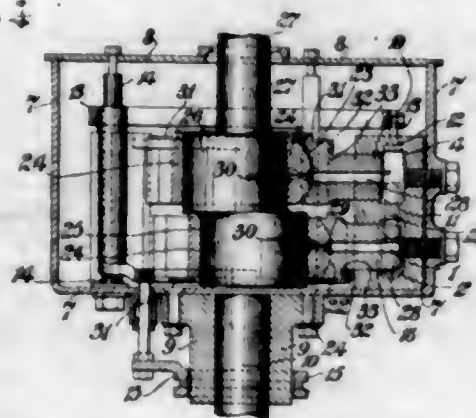
in its forward edge with a notch through which the connecting portion of the frame passes, and means for securing the frame and the reinforcing member to the body.

1,517,342. LACING TIP. FRED E. BURLINGAME, Pawtucket, R. I., assignor to Attleboro Braiding Co., South Attleboro, Mass., a Corporation of Massachusetts. Filed May 29, 1924. Serial No. 716,909. 3 Claims. (Cl. 24-143.)



2. A lacing formed of a strip of fabric and having a tip with a metal core formed of a rod with a roughened surface, the material of the lacing being wrapped about the core with its edges abutting and held in position about the core by cement.

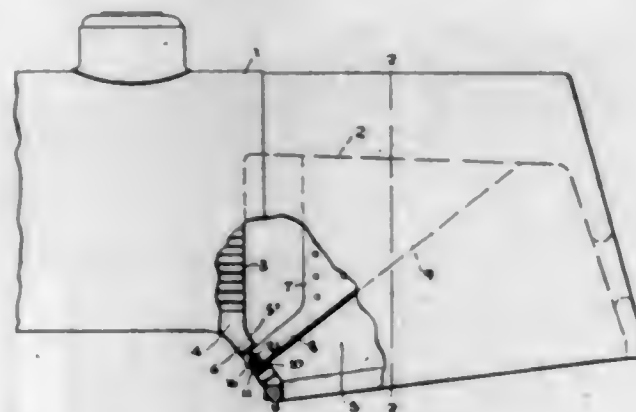
1,517,343. HYDRAULIC CLUTCH. ALLAN COATS, Castlehead, Paisley, Scotland. Filed Jan. 3, 1921. Serial No. 434,741. 5 Claims. (Cl. 192-60.)



1. A hydraulic clutch comprising a liquid filled casing, a plurality of radially disposed cylinders in said casing, separate plungers in said cylinders, ports extending completely through said plungers, a shaft extending through said casing at right angles to said cylinders and adapted when rotated to reciprocate the plungers, means connecting the plungers, and means for

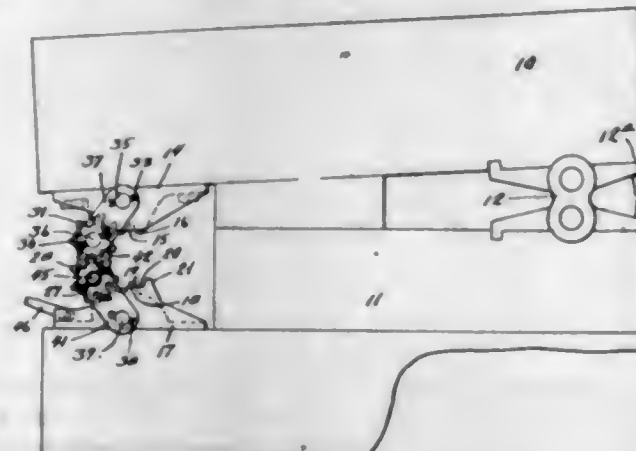
automatically placing the inner ends of the plunger ports into communication with the liquid in the casing at the commencement of the suction stroke of each plunger and for closing said ports at the commencement of the pressure stroke of each plunger.

1,517,344. FLEXIBLE CONNECTION FOR BOILERS. LEWIS W. CRAFT and JAMES H. BASSETT, Kansas City, Kans. Filed June 27, 1922. Serial No. 571,197. 5 Claims. (Cl. 122-68.)



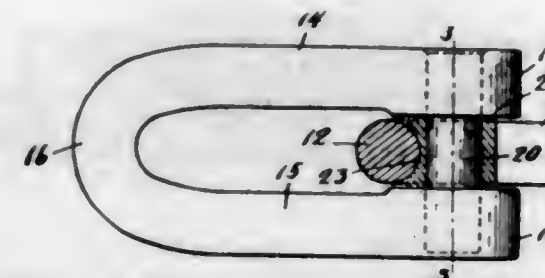
5. In combination, two tubular members, one extending within the other and being of less outer diameter than the inner diameter of the other, the inner tubular member having two diametrically opposite openings through its walls and the outer tubular member having diametrically opposite openings through its walls in alignment with the first named openings, and pairs of aligned nipples extending oppositely from the inner tubular member for connecting the inner tubular member with the outer tubular member, the inner nipple of each pair extending through one of the openings of the inner tubular member, and having a flange at its inner end in engagement with the inner wall of the inner tubular member, the outer nipple of each pair extending through one of the openings of the outer tubular member and having a flange at its outer end in engagement with the outer wall of the outer tubular member, the nipples of each pair having cooperative flanges at their adjacent ends, compressible packing means encompassing the flanges at the adjacent ends of the nipples of each pair, and clamping means encompassing the packing means and compressing the packing against the peripheral walls and the remote ends of said last named flanges, as and for the purpose described.

1,517,345. BILGE BLOCK. JAMES L. CRANDALL, Malden, Mass. Filed Oct. 23, 1922. Serial No. 596,224. 26 Claims. (Cl. 61-66.)



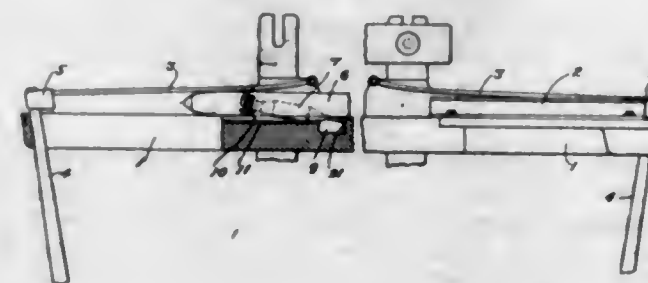
1. In a bilge-block, the combination of a base-block, a bilge-engaging block pivoted thereto, and means for raising and lowering said bilge-engaging block including superimposed rollers disposed between said blocks and in rolling engagement with each other and said blocks, and means for driving said rollers.

1,517,346. CHAIN AND SHACKLE. JAMES L. CRANDALL, Malden, Mass. Filed Jan. 12, 1924. Serial No. 685,922. 2 Claims. (Cl. 59-86.)



1. The combination of a chain link having a loop end-portion of circular cross-section, and a shackle adapted for connection with said link, said shackle comprising two spaced arms having adjacent free ends disposed on opposite sides of said link, a pin passed through and fixed in the free ends of said arms, and extended through said link, a bushing of substantial thickness disposed to rotate on said pin and extended substantially co-extensive with the unsupported length of said pin between said shackle-arms, said bushing having a circularly-formed peripheral groove therein extended over approximately half the circumferential extent of the bushing in which the circular loop end-portion of the chain is received and in which groove said link may move transversely of said bushing, and said bushing having opposed ears on the side of said bushing opposite said peripheral groove, said ears arranged to engage the opposite sides of the link, whereby to constrain said link and bushing for unitary pivotal movement about said pin, and said ears having opposed flat faces in engagement with the opposite sides of said link, whereby to provide for independent movement of said link in said groove transversely of said bushing.

1,517,347. BOBBIN-SMASH PREVENTER FOR LOOMS. EDWARD A. CUNIFF, New Bedford, Mass., assignor to Erving Y. Woolley, trustee, Newton Center, Mass. Filed Aug. 7, 1922. Serial No. 580,044. 2 Claims. (Cl. 139-254.)

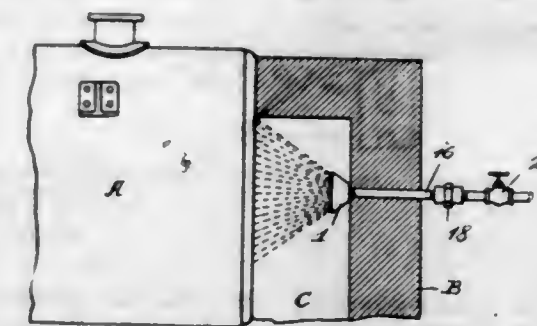


1. In a loom, a bobbin-smash preventer comprising a lay-beam having a longitudinal bobbin-tip-receiving trough or depression in the shuttle-race, and a vertical shoulder adjacent the shuttle-box mouth adapted through engagement with a depressed bobbin-tip to arrest the shuttle when leaving the shuttle-box.

1,517,348. FLUE BLOWER. ALBERT S. DILLON, Kansas City, Mo. Filed Apr. 1, 1919. Serial No. 286,809. 1 Claim. (Cl. 122-391.)

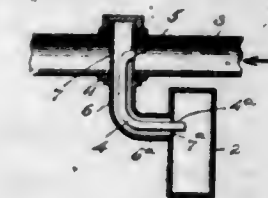
A nozzle for a flue blower, comprising a casting of relatively hard metal having four sides arranged at an angle to each other and forming an unobstructed ob-

long outlet for steam at the larger end of the casting, said casting having an inlet opening for steam at its other end, said casting having also a rectangular tube



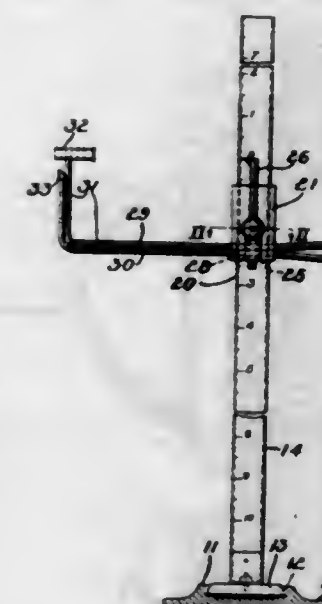
and radial arms which connect the sides of the said tube with the middle parts of the said sides of the casting.

1,517,349. VEHICLE HEATER. ELISHA N. FALES, Dayton, Ohio. Filed June 29, 1921. Serial No. 451,305. 5 Claims. (Cl. 237-12.3.)



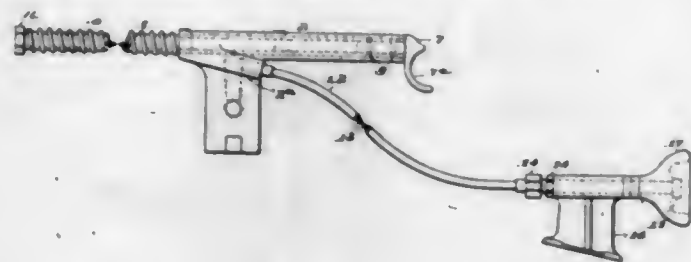
5. In combination with a supply pipe for hot gases in motion, a heater, and means for conducting the gases back and forth between said supply pipe and heater embodying inlet and outlet pipes having their inlet and outlet ends provided with ports facing in diametrically opposite directions and adapted to be turned into and out of line with the flow of gases through said supply pipe.

1,517,350. INSTRUMENT FOR MEASURING AIR VELOCITY. ELISHA N. FALES, Lake Forest, Ill. Filed Dec. 15, 1921. Serial No. 522,531. 2 Claims. (Cl. 76-2.)



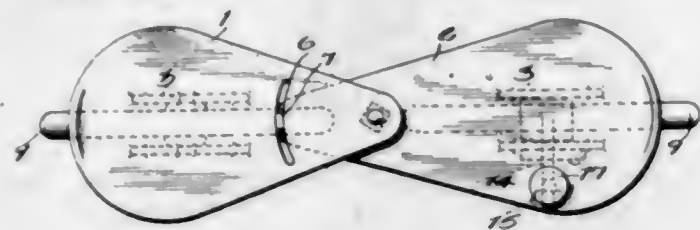
1. In combination, a base, a pedestal horizontally slidable relatively to the base, said pedestal having graduations thereon, a slide adjustably mounted on said pedestal, an air speed head carried by said slide, a pointer adjustably mounted on said slide whereby the zero position of said slide may be varied, a manometer, and means connecting said air speed head to the manometer.

1,517,351. REMOTE CHARGING DEVICE. WALLACE R. FLETCHER, Dayton, Ohio. Filed June 6, 1924. Serial No. 718,308. 5 Claims. (Cl. 89-27.)



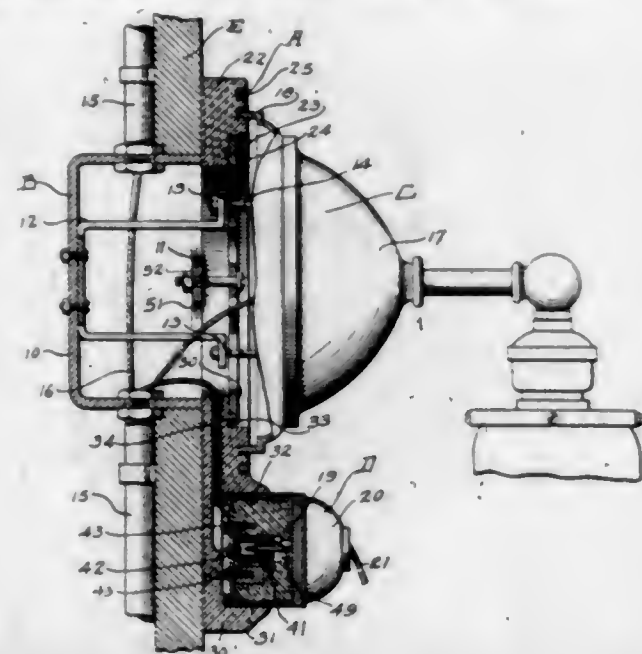
3. In a remote charging device for an automatic gun, a bracket adapted to be secured to the frame of said gun, a mounting standard adapted to be fixedly mounted at a point remote from said bracket, means adapted to engage the charging handle of said gun, a control handle, flexible means slidably engaging said standard and adapted to operatively connect said control handle to said first named means, and resilient means tending to hold said flexible means in its extended position.

1,517,352. FOOT BICYCLE. WILLIAM A. FOOTE, Garfield, N. Mex. Filed Aug. 30, 1922. Serial No. 585,210. 2 Claims. (Cl. 40-51.)



1. In combination, a toe plate, a heel plate, means for pivoting one end of said toe plate to an intermediate portion of said heel plate, said toe plate provided with a transversely extending curved intermediately disposed slot, a pin on the end of said heel plate engageable in said slot and locomotion means provided on each of said plates.

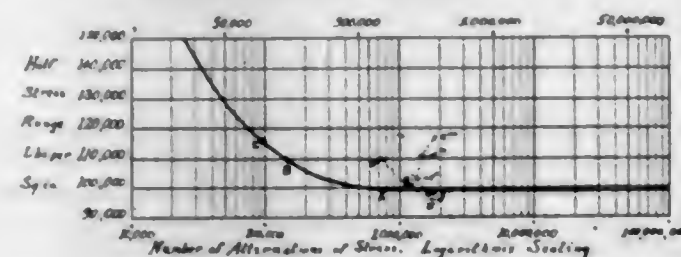
1,517,353. ELECTRICAL FIXTURE. WALTER U. FORSCHLER, Norwich, Conn. Filed Apr. 8, 1922. Serial No. 550,836. 7 Claims. (Cl. 173-338.)



5. As a new article of manufacture, an electric light fixture comprising an annular body of insulation having concentric grooves formed in the outer face thereof, the inner periphery of the body being rabbeted to provide a shoulder, a radially extending head formed on the

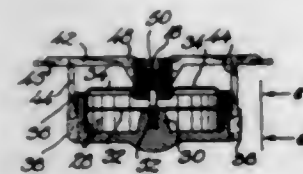
body having a recess therein, an outlet receptacle having contacts therein and openings for the reception of contacts of a plug of an electric appliance, the head and body having ways formed therein for the reception of electric feed wires.

1,517,354. PROCESS FOR IMPROVING METALS AND ALLOYS IN RESISTANCE TO REPEATED STRESS. HORACE W. GILLET, Ithaca, N. Y. Filed Apr. 10, 1923. Serial No. 631,191. 10 Claims. (Cl. 148-4.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



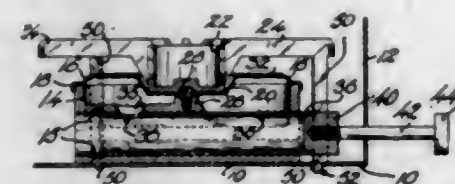
1. The process of strengthening metals or alloys in their endurance against repeated stress by subjecting them to repeated stress of magnitude not greater than the stress corresponding to the endurance limit of the material.

1,517,355. GASOLINE CAMP STOVE. LOUIS B. GOLDBERG, NATHAN GOLDBERG, JACOB M. GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed Oct. 21, 1921. Serial No. 509,396. 8 Claims. (Cl. 158-65.)



8. In a camp stove, a burner having upwardly extending walls and opening upward, a substantially flat spreader plate mounted in said burner providing a single gas-receiving chamber therebeneath and having a plurality of radiating rows of apertures, and a guard plate spaced from the spreader plate and mounted on the burner and having a corresponding number of radiating slots.

1,517,356. BURNER CONSTRUCTION FOR GASOLINE CAMP STOVES. LOUIS B. GOLDBERG, JACOB M. GOLDBERG, NATHAN GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed Jan. 3, 1922. Serial No. 526,670. 6 Claims. (Cl. 158-116.)



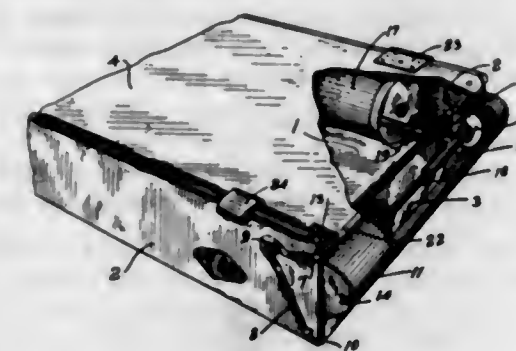
6. A burner for camp stoves comprising a burner cup, a spreader plate secured thereto, said plate having a depression, a grate above said plate and having a depending member positioned in said depression, and legs on the grate for supporting the same independently of the cup and plate.

1,517,357. CAMP STOVE. LOUIS B. GOLDBERG, NATHAN GOLDBERG, WILLIAM GOLDBERG, and JACOB M. GOLDBERG, Denver, Colo. Filed Sept. 17, 1923. Serial No. 663,090. 8 Claims. (Cl. 158-65.)



8. In a gas stove having a tubular member having its ends closed and provided with openings near each end, a funnel-shaped burner member having an opening in its narrow end, said funnel-shaped member being attached to the tubular member in such a manner that its opening registers with the opening in the tubular member, an M-shaped bracket for supporting said tubular member, a strap passing over the tubular member and secured at its end to the supporting bracket, said tubular member and supporting bracket having registering openings diametrically opposite to the first-mentioned opening, a valve member reciprocally mounted in the first-mentioned opening, said valve member having a conical head, a central stem secured to the valve member and projecting through the openings in the tubular member and supporting bracket, said stem having a transverse opening near its end, a lever extending through the opening in the stem, one end of said lever being hingedly connected to the bracket, an adjusting member rotatably supported by the bracket, said adjusting member having a crank arm, the free end of the lever being operatively connected to the end of the crank arm, and friction means for holding the adjusted member in position.

1,517,358. CAMP-STOVE CASING. LOUIS B. GOLDBERG, NATHAN GOLDBERG, WILLIAM GOLDBERG, and JACOB M. GOLDBERG, Denver, Colo. Filed Apr. 7, 1924. Serial No. 704,691. 6 Claims. (Cl. 126-38.)



1. A stove casing having a bottom, two sides and two ends, a support pivotally connected to the sides near one end of the casing, a cover member connected to said support, said cover member being adapted to be moved into operative position against the end member, and means for holding the cover in operative position.

1,517,359. ARCH SUPPORT. EDGAR GOODRICH, Chicago, Ill. Filed Sept. 7, 1923. Serial No. 661,423. 1 Claim. (Cl. 30-71.)



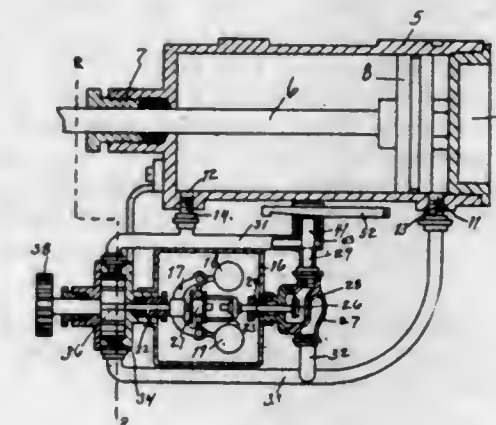
An arch support consisting of a body formed from a sheet of material shaped to conform to the plantar surface of the foot posterior to the tarsal portion whereby to leave the tarsal portion free, said material

being gradually thinned at all of its periphery except at the portion beneath the exterior arch portion of the foot, a narrow strip of similar material tapering in thickness from the middle to each end located beneath the exterior arch portion of the body, and secured thereto, and a reinforcing and stiffening strip between the narrow strip and the body.

1,517,360. MOLDABLE COMPOUND. FRANK J. GROTEN, Jr., Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Nov. 10, 1922. Serial No. 600,016. 5 Claims. (Cl. 106-31.)

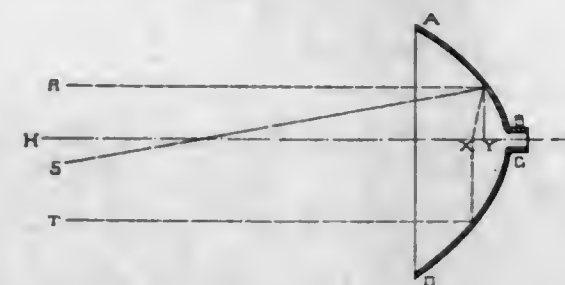
1. An article formed of a moldable composition which includes approximately from 72.4% to 84.2% of inert material, from 7.72% to 10.8% of a drying oil, from 7.72% to 10.8% of an asphaltic substance, and from 0.36% to 6% of a resin of the copal type.

1,517,361. FOOT-CONTROL VALVE FOR HYDRAULIC GOVERNORS. LON T. HARRIGAN, Los Angeles, Calif. Filed Nov. 9, 1923. Serial No. 673,861. 2 Claims. (Cl. 188-92.)



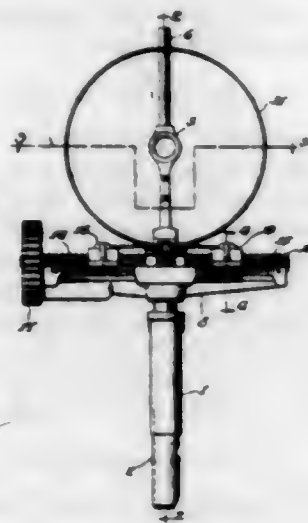
1. In a device of the character described the combination with a hydraulic braking mechanism, having a fluid circulating system, of a casing secured to one of the pipes of the circulating system, a plunger-valve mounted in said casing and adapted to extend into the circulating system, in such a manner as to be capable of stopping the flow within the system, a spring for retracting said valve, and a manually operated cam for depressing said valve against the action of said spring.

1,517,362. REFLECTOR. JOHN O. HELLIWELL, Pasadena, Calif. Filed June 13, 1921. Serial No. 477,161. 5 Claims. (Cl. 240-41.)



1. A conoidal reflector the inner surface of which is the composite of an infinite number of conic sections of which the substantially uppermost conic section is shortest in focal length and the substantially lowermost conic section is longest in focal length and all the other conic sections in focal length fall in between such minimum and maximum focal lengths, said conic sections having a common apex.

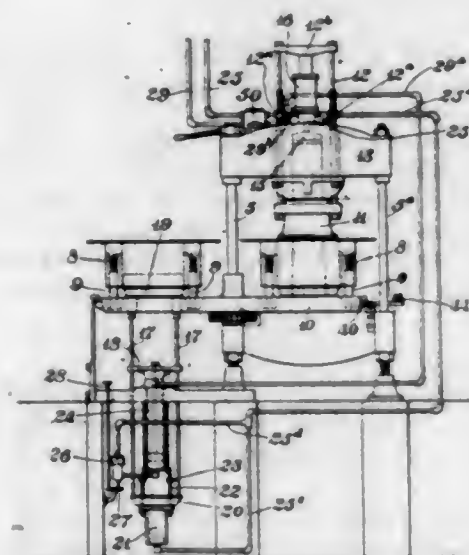
1,517,363. RING SIGHT FOR FIREARMS. ROBERT KAUCH and CHARLES L. PAULUS, Dayton, Ohio. Filed Apr. 30, 1923. Serial No. 635,757. 6 Claims. (Cl. 33-48.)



1. A gun ring sight comprising a support, a strip of metal forming a ring mounted upon said support, a member connected directly to each end of said strip, and means for moving said members relatively in a straight line to vary the diameter of said ring.

6. A gun ring sight, comprising a support, a strip of metal flexed to form a ring mounted upon said support, means for varying the diameter of said ring, said ring having uniform flexibility at all points along the circumference so as to maintain a true circle as the diameter changes.

1,517,364. CONCRETE-BLOCK MACHINE. WILLIAM L. KENY, Columbus, Ohio. Filed May 25, 1922. Serial No. 563,644. 6 Claims. (Cl. 25-63.)

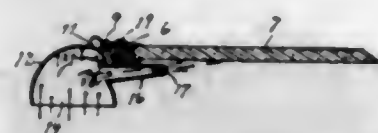


1. In a machine for molding, concrete blocks, the combination of a plurality of resiliently supported molds, pallets therefor, means for intermittently moving the molds, pressing means acting on the molds for compacting the concrete mixture therein means for partially ejecting the compacted block, and fluid pressure means for actuating said pressing means and ejecting means.

1,517,365. WINDSHIELD CLEANER. WILLIAM KLEINE, Mountain View, Calif. Filed Oct. 15, 1923. Serial No. 638,791. Renewed Oct. 10, 1924. 2 Claims. (Cl. 20-40.5.)

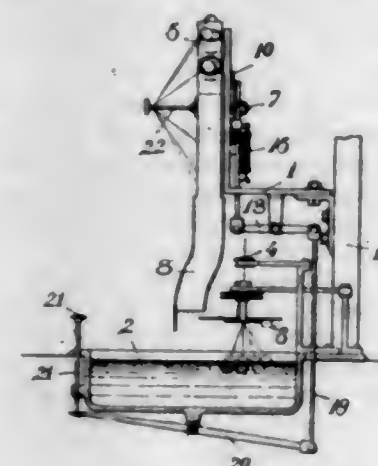
1. In a device of the character described, the combination with a wind-shield having a support adjacent there-

to, a receptacle having an open portion, a flattened nozzle secured to said receptacle, one wall of said nozzle extending into said receptacle, an offset portion formed in said



receptacle, said offset portion and said inwardly extending wall of said nozzle forming a pocket within said receptacle, for the purpose specified.

1,517,366. COCOON-DROPPING APPARATUS FOR USE IN SILK-REELING MACHINES. KIHACHIRO KOBORI and RYOICHI NAITO, Kobe, Japan, assignors to Kanegafuchi Boseki Kabushiki Kaisha, Tokyo, Japan. Filed Apr. 18, 1923. Serial No. 633,000. 2 Claims. (Cl. 19-3.)



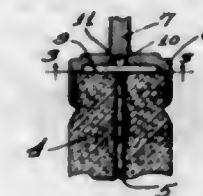
1. A cocoon dropping apparatus comprising a rotatable disk provided with peripheral cocoon receiving recesses, a cocoon guide tube arranged below the disk, said recesses adapted to be successively brought into registration with the upper end of said tube, a filament supplier arranged below the tube, a guide plate extending laterally of the upper end of the tube and in close concentric relation to the contiguous portion of the disk, and means for rotatably advancing the disk step by step.

1,517,367. FUSE PLUG. ERIC G. LARSON, Salt Lake City, Utah. Filed Jan. 26, 1923. Serial No. 614,983. 2 Claims. (Cl. 200-125.)



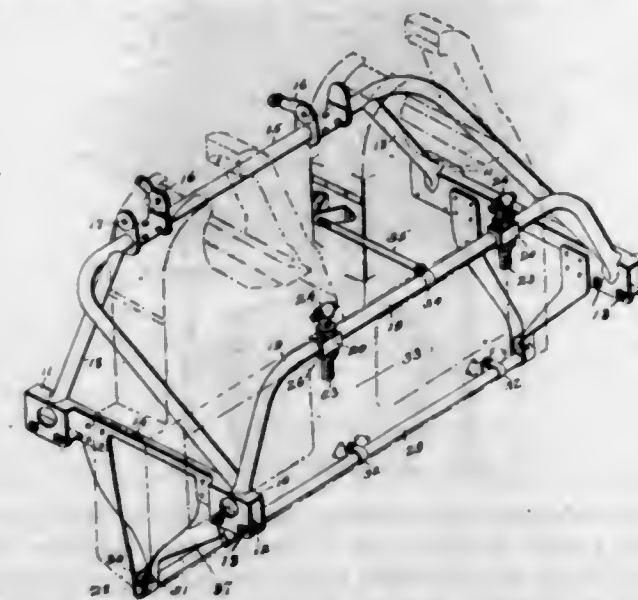
1. A fuse plug comprising an externally threaded hollowed plug having a serrated flange portion thereon, and a slotted opening in its side opening to the interior; a threaded metal sleeve nut screwed on the threaded portion of said plug; a contact post attached to said sleeve nut and passed through said slotted opening in said plug having its free end at an incline as to the base of said plug; a spring contact post secured axially within said plug and having a spherically-shaped end thereon; a cap member having a slight opening in its bottom detachably carried on and as a cover for said plug; a perforated insulator carried in said cap and movably therewith and having a wheel-shaped recess cut in its inner face; and a wheel-shaped fuse carried in the recess of said insulator having a semi-spherical recess axially therein to receive the spherical end portion of said spring contact post and with the spoke portions narrowed.

1,517,368. SPARK PLUG. WILLIAM E. LYONS, Chicago, Ill. Filed Apr. 11, 1921. Serial No. 460,232. 6 Claims. (Cl. 123-169.)



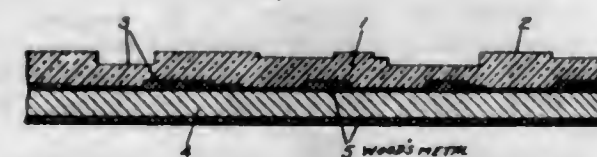
1. In a spark plug, an insulator, an electrode extending to the outer end thereof, a terminal cap from the insulator separated from the electrode to afford an auxiliary spark gap, and a metallic sphere movably retained within said cap and adapted in certain positions to simultaneously contact both the electrode and the cap, and in other positions to be out of contact with one of them.

1,517,369. FIXED GUN MOUNT FOR AIRPLANES. DWIGHT C. MAIER, Bryan, Ohio. Filed Nov. 17, 1921. Serial No. 515,802. 6 Claims. (Cl. 89-40.)



1. A fixed gun mount for airplanes comprising a base, having forward and rear clamping members, a trunnion support and an elevating support secured to the rear clamping member, and braces extending between the forward clamping member and said trunnion support.

1,517,370. RADIOCONDENSER. RALPH E. MARRBURY, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 26, 1920. Serial No. 426,432. 13 Claims. (Cl. 250-41.)

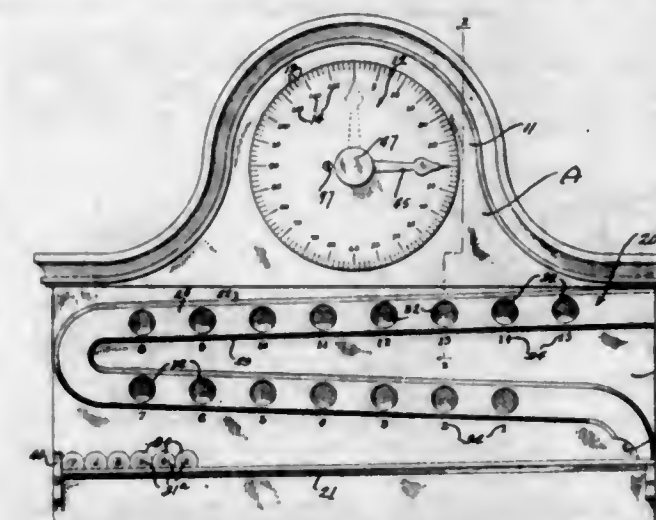


10 A condenser comprising alternate sheets of metal foil and solid dielectric having metal fusible below 200° C between said sheets.

1,517,371. TALLYING MACHINE. HARRY F. MARSHALL and BENNETT F. WING, Idaho Falls, Idaho. Filed Feb. 14, 1923. Serial No. 618,971. 3 Claims. (Cl. 235-92.)

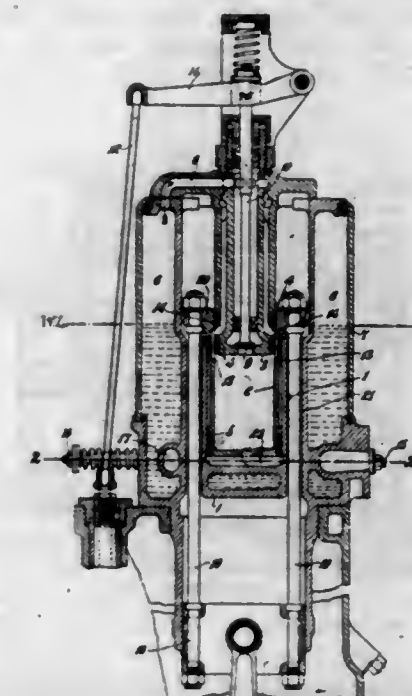
2. A tallying machine including indicating mechanism, electrically operated means for functioning of said indicating mechanism, a runway including a track having spaced side rails provided with inwardly extending

flanges, said runway having a series of entrance openings, and independent circuit maker and breaker means in operative relation to said openings and parallel with respect to said electrically operated means, said circuit makers and breakers including strips secured to the



under faces of the flanges and extending from said side rails in overlapping relation to each other between the rails and spaced one above the other, the upper contact strip being adapted to be moved into engagement with the lower contact strip by a playing element moving along said track.

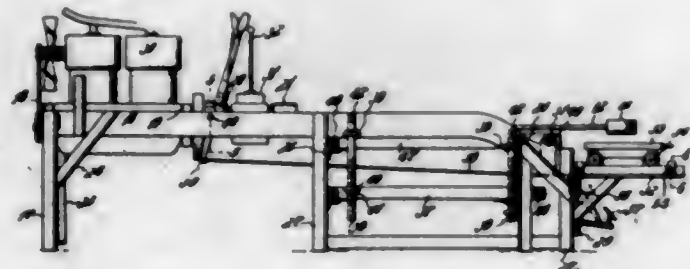
1,517,372. INTERNAL-COMBUSTION ENGINE. FRANCIS LEIGH MARTINEAU, London, England. Filed June 29, 1920. Serial No. 392,787. 1 Claim. (Cl. 60-14.)



An internal combustion engine, comprising a cylinder, a fixed and hollow abutment projecting into and in spaced relation to the open end of an inverted cylinder, a hollow piston the inside of which is in gas-tight sliding engagement with the fixed abutment and the outside of which is in gas-tight sliding engagement with the cylinder, a boiler surrounding said cylinder and adapted to be heated by the waste heat from the engine and the exhaust gases, means connecting the top of said boiler to the interior of the fixed hollow abutment for admitting thereto the steam generated in said boiler, a port in the lower end of said fixed abutment, a valve controlling said port the stem of which extends up through the center of said abutment and out through the upper end of the same, means for mechanically operating said valve so as to admit steam to the interior of the hollow piston, longitudinal grooves in the inside periphery of the

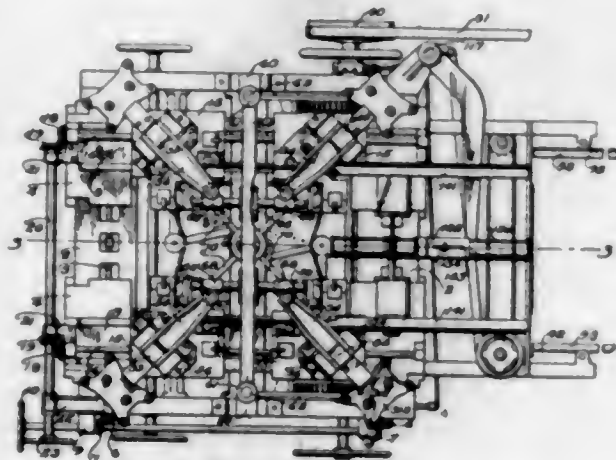
piston adapted to coact with passages in the fixed abutment so as to control the exhausting of the steam from the interior of the piston, and valves controlling the admission of fuel to, and the exhaust of the products of combustion from, the space between the cylinder and the end of the piston.

1,517,373. BEARING-BURNING-IN MACHINE. JOBERT EMIL MATTSO, Elm Creek, Nebr. Filed Aug. 15, 1923. Serial No. 657,577. 11 Claims. (Cl. 29—89.5.)



1. In a machine of the character described, a supporting frame, an engine and transmission mounted upon one end thereof, a carriage mounted for movement longitudinally upon the frame and adapted to support an engine block, and means connected with the engine and adapted to rotate a piston engaged in a cylinder of the engine block whereby to effect lapping of pistons in the cylinder.

1,517,374. STAPLING MECHANISM FOR BOX FORMING AND STAPLING MACHINES. MICHAEL J. MILMOR, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 1, 1917. Serial No. 151,656. Divided and this application filed July 26, 1920. Serial No. 399,217. 44 Claims. (Cl. 1—11.)

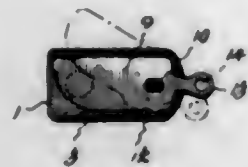


1. In a box making machine, a self-contained head for inserting fasteners in portions of a box to be secured, and means for holding said head in adjusted positions to accommodate said machine to different sizes and shapes of boxes, said head being bodily removable from said machine and insertable in a different position in said machine and in a different relation to said holding means.

1,517,375. CIGAR AND LIKE CUTTER. ALBERT W. MITCHELL, New Haven, Conn. Filed Oct. 21, 1921. Serial No. 509,338. 3 Claims. (Cl. 131—38.)

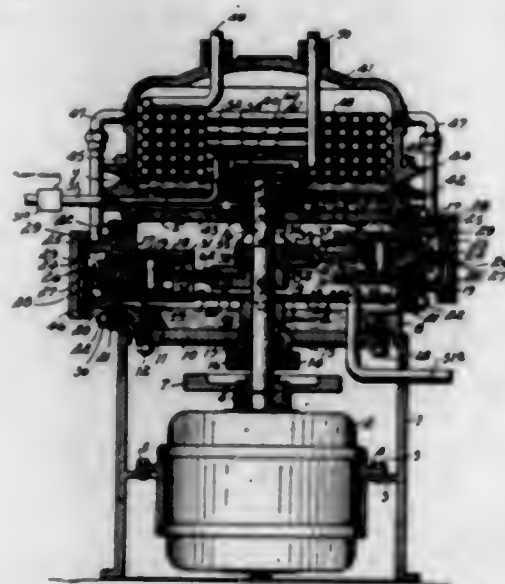
1. An article of manufacture as described having a casing composed of a one-piece sheet metal blank bent to form side-walls provided with outwardly flaring upper edges and forming a pocket wholly containing a blade member therein when in its closed position, said blade member being pivotally mounted within said casing, a

heel on said blade member serving as a stop which engages the bottom of said pocket when the blade member is in its closed position and said blade member having



an extended protruding end providing means whereby the opening pivotal movement of said blade is affected and limited.

1,517,376. REFRIGERATING MACHINE. JOHN E. MITCHELL and WALTER G. E. ROLAFF, St. Louis, Mo., assignor to Walter G. E. Rolaff, St. Louis, Mo. Filed Jan. 6, 1922. Serial No. 527,301. 24 Claims. (Cl. 62—116.)

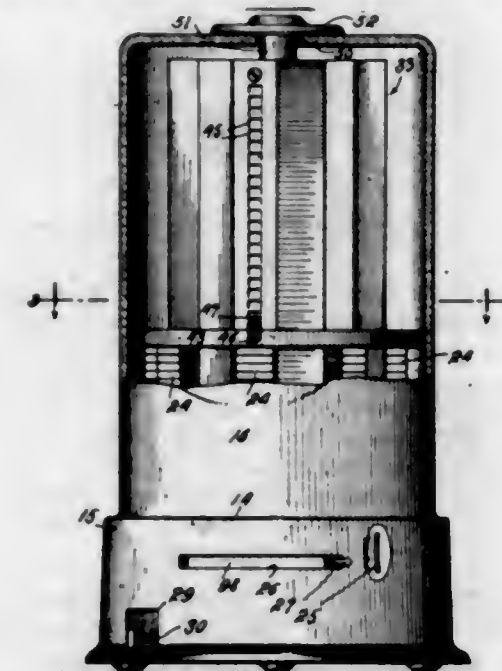


1. A refrigerating machine comprising a casing enclosing a high pressure and a low pressure chamber, the former being superimposed upon the latter, compressors for the refrigerant located in and having intakes communicating directly with the low pressure chamber, said compressors having valved communication with the high pressure chamber, means for conducting evaporated refrigerant into the low pressure chamber, bearings provided in a wall of the low pressure chamber and an opposite partition separating the two chambers, a drive shaft for operating said compressors projecting from the outside into and through said low pressure chamber and mounted toward its ends in said bearings, and means for driving said shaft.

1,517,377. COIN-CONTROLLED VENDING MACHINE. JENS N. MORTENSEN, Brooklyn, N. Y., assignor, by mesne assignments, to Peerless Vending Company, Inc., New York, N. Y., a Corporation of New York. Filed July 3, 1923. Serial No. 649,226. 10 Claims. (Cl. 194—85.)

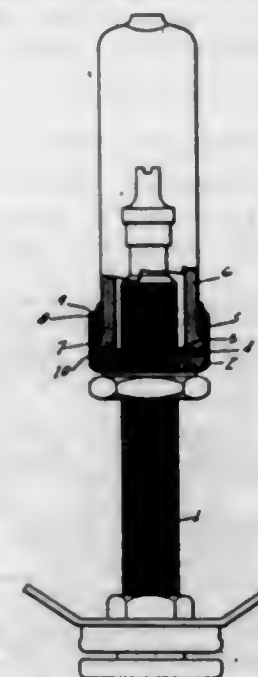
1. A coin-controlled vending machine comprising a base having a top plate, a vertical rotary frame having a series of vertical compartments or trays arranged to define a circular structure mounted over said top plate, and to receive stacks of the pieces of goods to be sold, said top plate having a hole therein over which said trays are successively moved and arrested and which hole is adapted to receive and confine one piece of the goods from the stack above it, a rotary plate below said top plate and connected with said rotary frame and having a series of goods receiving recesses matching the trays of said rotary frame and to be successively moved below and arrested at said hole and said recesses upon aligning with said hole being adapted to receive therefrom the piece of goods previously confined in said hole, the stack

then settling down to resupply a piece to said hole; an oscillatory plate close below and normally independent of said rotary plate and adapted to be keyed thereto by an introduced coin, said oscillatory plate having an exposed operating handle and serving as a support for the stack of goods above the hole in the top plate and the recess aligned therewith of said rotary plate and said oscillatory plate having an exit opening therein in advance of the hole in said top plate, said rotary plate



when operated from the handle of said oscillatory plate being adapted to carry the piece of goods held in its recess forwardly below said top plate and to a location above the initial position of the exit opening in said oscillatory plate, and means for returning said oscillatory plate to its initial position, said oscillatory plate then carrying its exit opening below the said piece of goods moved by said rotary plate and permitting said piece to fall through said opening and pass to the purchaser.

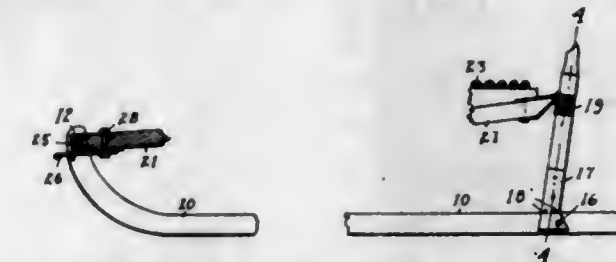
1,517,378. TRANSPARENT CAP FOR PNEUMATIC-TIRE-STEM PRESSURE GAUGES. CURTIS C. NEAL, Marmet, W. Va., assignor, by mesne assignments, to Tiregauge Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed Oct. 21, 1922. Serial No. 595,977. 2 Claims. (Cl. 152—12.)



1. A transparent cap for pneumatic tire stem pressure gauges comprising a base having a screw-threaded opening therein adapted to receive a tire stem and a socket with an internally screw-threaded wall; a transparent cap having an external shoulder at its open end arranged

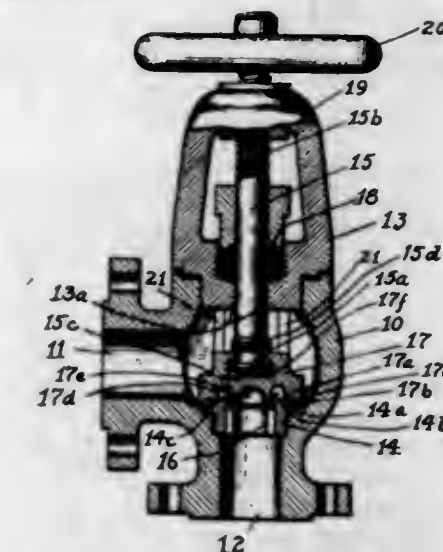
in said socket; and a nut surrounding the cap above the shoulder and resting on the shoulder, said nut being screwed into the socket and having a flange engaging the top of the wall of the socket.

1,517,379. COLLAPSIBLE SLED. EDMUND A. NORBERG, Jamestown, N. Y. Filed Feb. 9, 1922. Serial No. 535,134. 2 Claims. (Cl. 280—23.)



1. A sled of the class described comprising metal runners having upturned front ends connected by a rigid metal cross bar, uprights hinged at their lower ends to said runners and having a hand bar connection at their upper ends and a cross bar attached to said uprights a spaced distance from said lower ends, seat support bars one to each side hinged to said cross bar in said uprights at their rear ends and removably latching around said rigid cross bar at their front ends, and a seat on said seat support bars.

1,517,380. VALVE. OLAF E. OLESOX, East Chicago, Ind. Filed July 20, 1922. Serial No. 576,175. 2 Claims. (Cl. 251—28.)

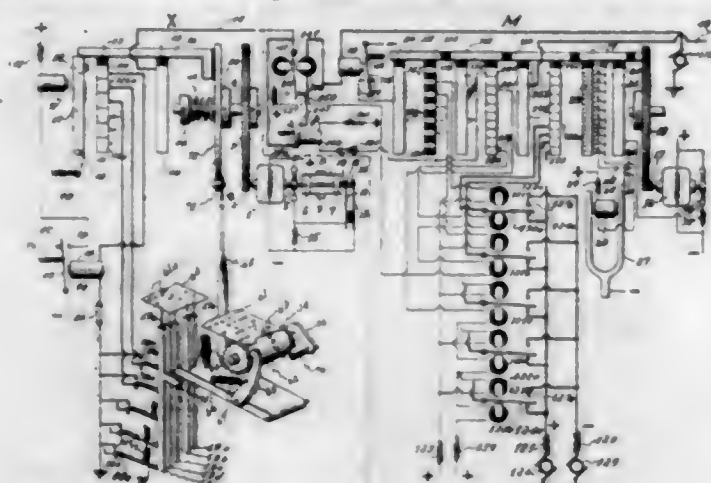


1. In a valve, the combination of a casing having a passageway through it for fluid flow, coaxial valve members in said casing for closing and opening said passageway, one of said valve members being tubular and fixed and the other of said valve members being disk-like and movable, said valve members having cooperating annular valve seats converging in the direction of fluid flow through the casing, said valve members having cooperating cylindrical flange extensions of smaller diameter than said valve seats and telescopically engaging each other during the closing of the valve to restrict the fluid flow through the casing before said valve seats engage each other, each of said valve members having therein between its flange extension and its valve seat an annular groove having a rounded bottom.

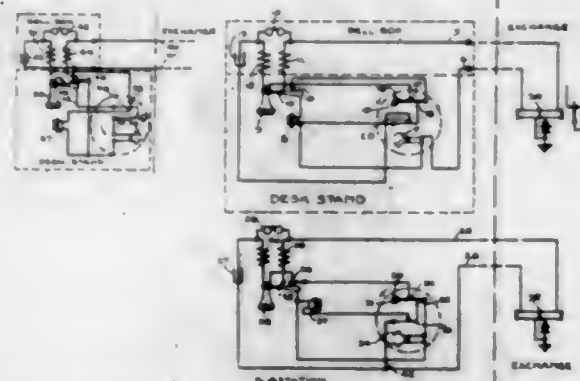
1,517,381. SYSTEM OF TELEGRAPH DISTRIBUTION. LOUIS M. POTTS, Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1919. Serial No. 286,540. 8 Claims. (Cl. 178—53.)

1. A telegraph system comprising a main station at which is located a multiplex synchronous distributor and

a distant branch station at which is located an intermittently operating distributor, a line connecting said stations, means at said main station including said multiplex distributor for receiving and storing groups of impulses, and means for retransmitting said stored impulses through said multiplex distributor directly to said branch station.

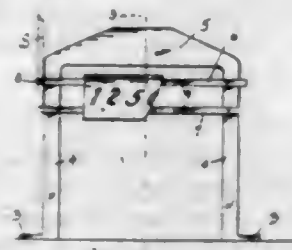


1,517,382. SUBSTATION CIRCUIT. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 8, 1920. Serial No. 363,972. 7 Claims. (Cl. 179-81.)



1. In a substation circuit for automatic telephone systems, the combination of a line circuit, a transmitter included therein, a condenser bridged to said line circuit, a receiver, an induction coil, means for placing said receiver and a winding of said induction coil in inductive relation to said line circuit, an impulse sender, means controlled thereby for sending impulses over said line circuit, and means controlled by said impulse sender when in an off normal position for reducing the effect of the impedance of said transmitter in said signaling circuit, for opening the circuit controlling said receiver, whereby a change of potential in the receiver is prevented during the sending out of impulses and for opening the condenser bridge.

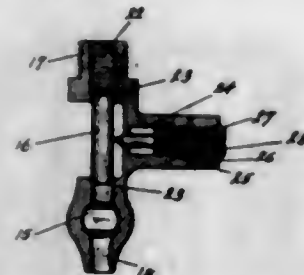
1,517,383. LICENSE-PLATE HOLDER. ERNEST L. ROTHMAN, Salt Lake City, Utah. Filed May 27, 1924. Serial No. 719,120. 2 Claims. (Cl. 40-125.)



1. A device for securing number plates on automobiles, comprising a flat metal plate shaped to conform with the front corners of a radiator; and horizontally dis-

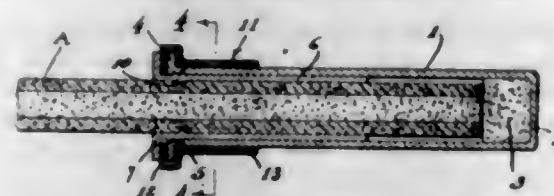
posed metal straps secured to said metal plate and with the medial portion spaced in front of the radiator on which it is used and adapted to hold a license number plate in position.

1,517,384. DRAIN COCK. ERICK G. SAMPSON, Jamestown, N. Y. Filed June 21, 1923. Serial No. 646,935. 5 Claims. (Cl. 137-343.)



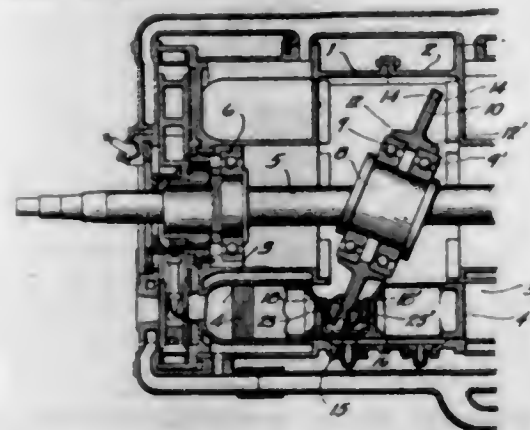
1. A drain cock for a liquid container comprising the combination with a valve, of a glass tube through which the liquid in the container is conducted to said valve under normal conditions, said tube being always full of the liquid and exposed to the weather, so that when the temperature falls below the freezing point of the liquid, the tube will break and allow the liquid to drain from the container regardless of the position of the valve.

1,517,385. FUSE HOLDER. ALBERT WILLIAM SNEEDEN, Brookville, Pa. Filed Feb. 15, 1924. Serial No. 693,067. 4 Claims. (Cl. 102-9.)



1. A fuse holder of the class described comprising an elongated cap adapted to hold a charge of explosive in the closed end thereof, an annular flange formed on the outer end of said cap, said cap being internally threaded adjacent the outer end thereof, a sleeve having an annular flange formed on the outer end thereof, said sleeve being externally threaded adjacent its annular flange for securing the same in the open end of said cap, a fuse carried by said sleeve and having its inner end extending within said cap in close proximity to said charge of explosive, and a rubber gasket carried by said cap and having a collar formed thereon at its outer end, said collar being adapted to be interposed between said annular flanges.

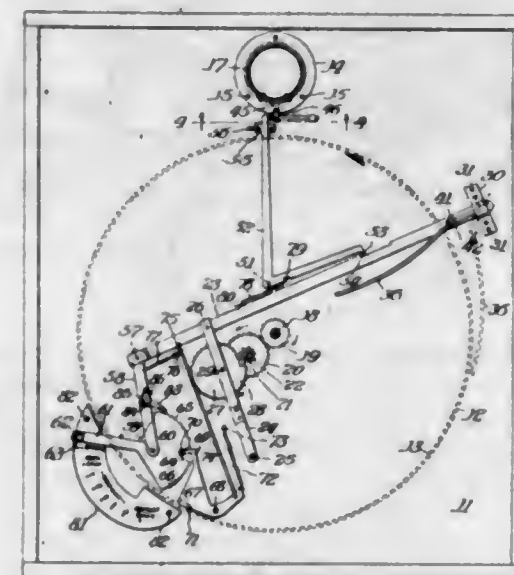
1,517,386. PISTON BEARING FOR INTERNAL-COMBUSTION ENGINES. JOHN O. ALMEN, Seattle, Wash. Filed Dec. 23, 1921. Serial No. 524,426. 5 Claims. (Cl. 121-119.)



1. The combination with a rotatably mounted shaft provided with a journal at an angle with respect to the axial line of the shaft, a piston operating in a line par-

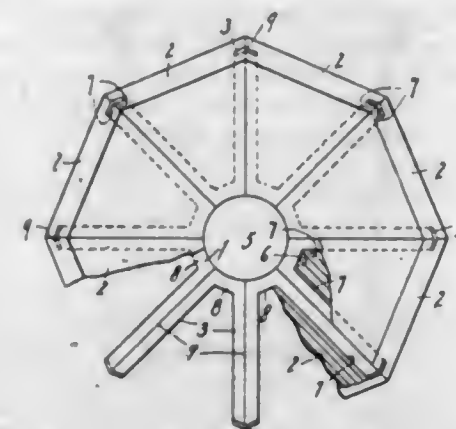
allel with the shaft having a lateral bore therein opening toward the shaft and a rocker disk rotatably mounted on the journal having a peripheral portion extended within the bore of the piston, of bearing blocks disposed within the said bore at opposite sides of the disk with their outer surfaces fitted to the surface of the bore for slidable movement in a longitudinal and circumferential direction thereof, and with their inner surfaces pivotally engaging the opposite faces of the disk.

1,517,387. AUTOMATIC STOP AND REPLAYING DEVICE. JOSEPH H. ARENDS, Chicago, Ill. Filed Aug. 13, 1921. Serial No. 491,964. 6 Claims. (Cl. 274-15.)



1. In a record replaying device for phonographs comprising in combination with the motor board of a phonograph, a slidably mounted draw bar, a repeater bar, operative connections between the said draw bar and the said repeater bar, a pivotally mounted power bar secured to said draw bar, a mutilated gear eccentrically mounted upon said power bar, a train of gears connected to the motor shaft, tripping means mounted on the tone arm and a tripping lever adapted to release the slidably mounted draw bar whereby the said mutilated gears are brought to engagement with each other and the draw bar reciprocated, thereby moving the free end of the tone arm towards the outer side of the turn-table.

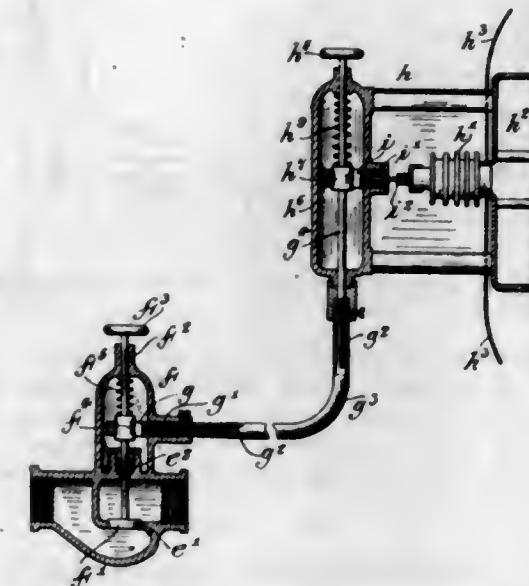
1,517,388. DISH. VAHAN ARSLANIAN, Springfield, Mass. Filed Nov. 10, 1923. Serial No. 674,068. 8 Claims. (Cl. 65-15.)



1. As a new article of manufacture, a dish comprising a skeleton frame, and a plurality of filling sections, portions of said frame being embedded in edge portions of said sections.

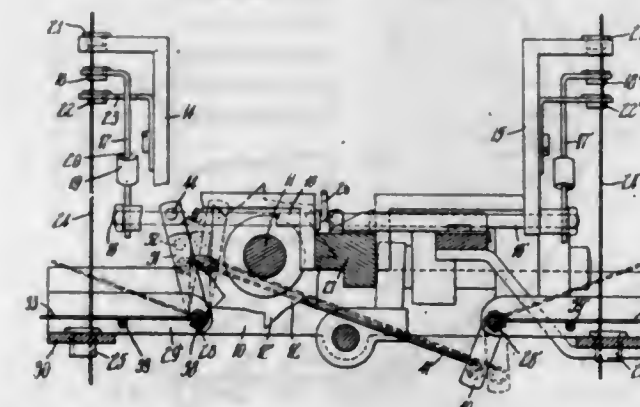
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1,517,389. THERMOSTATIC GAS-CONTROL DEVICE FOR WATER HEATERS. JOHN H. BALLANTINE, Cedarhurst, N. Y., assignor to Neptune Meter Company, New York, N. Y., a Corporation of Pennsylvania. Filed Aug. 13, 1923. Serial No. 657,127. 2 Claims. (Cl. 126-351.)



1. A thermostatic control device for water heaters, comprising a valve to control the supply of fuel gas, means acting normally to close the valve, a thermostatic device subject to the variations of temperature in the tank, a detent to hold the valve open, spring actuated means to actuate the detent to release the valve, a second detent for cooperation with said means to prevent the operation thereof, and an operating connection between the thermostatic device and the second detent.

1,517,390. STOP-MOTION MECHANISM WITH TRIPPER DEVICE. WILLIAM T. BARRATT, Bennington, Vt. Filed July 10, 1923. Serial No. 650,568. 6 Claims. (Cl. 66-7.)

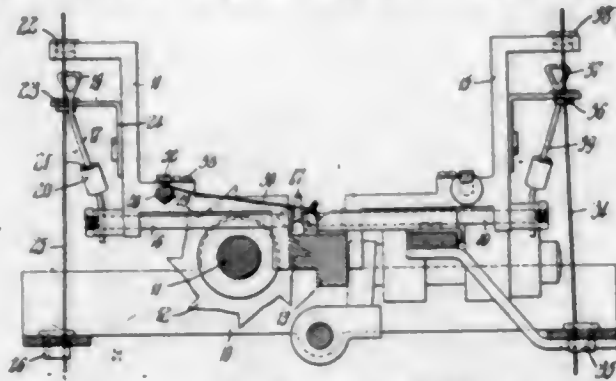


4. A stop motion mechanism for a knitting machine embodying a rock shaft, a plurality of tripper arms loosely mounted to swing on said rock shaft, and a series of projections on said rock shaft projecting into slots in said tripper arms, whereby each of said tripper arms may be actuated by its respective yarn to rock said rock shaft independent of the other tripper arms of said series.

1,517,391. SPRING-ACTUATED STOP MOTION FOR KNITTING MACHINES. WILLIAM T. BARRATT, Bennington, Vt. Filed July 10, 1923. Serial No. 650,569. 6 Claims. (Cl. 66-7.)

1. A stop motion mechanism for a knitting machine having, in combination, a rotary stop member, a normally stationary stop member adjacent thereto, a rock shaft, a guide for a strand of yarn mounted on said rock shaft, an arm on said rock shaft constituting a

locking means and normally held out of interlocking engagement with said stop members by said strand of yarn when under tension during the operation of said knitting machine, a spring bearing against said arm and adapted to move the same into interlocking engagement

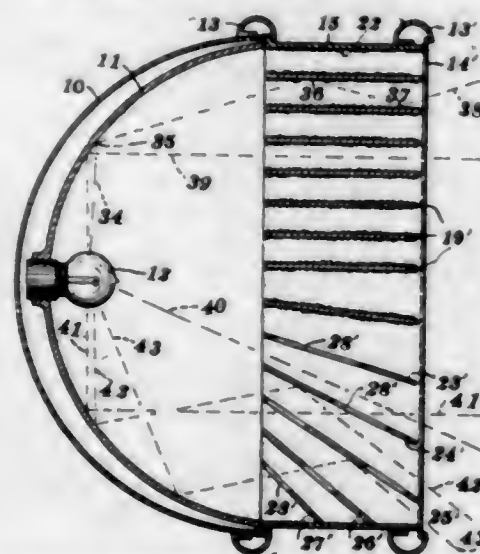


with said stops when allowed by said yarn so to do, whereby the rotation of said rotary stop member may be stopped and mechanism actuated by the stopping of said rotary stop member constructed and arranged to stop the rotation of the driving shaft of said knitting machine.

1,517,392. WEAR-RESISTING CHROME-IRON MEMBER. FREDERICK M. BECKETT, New York, N. Y., assignor to Electro Metallurgical Company, New York, N. Y., a Corporation of West Virginia. Filed Sept. 7, 1922. Serial No. 586,783. 6 Claims. (Cl. 148-19.)

1. A member which in its regular use is continually subjected to abrasion, composed of case-carbonized chrome-iron.

1,517,393. HEADLIGHT. FREDERICK BEDFORD, Stratton, Nebr., assignor to Bedford Headlight Company, Stratton, Nebr., an Association. Filed July 13, 1922. Serial No. 651,209. 2 Claims. (Cl. 240-48.4.)

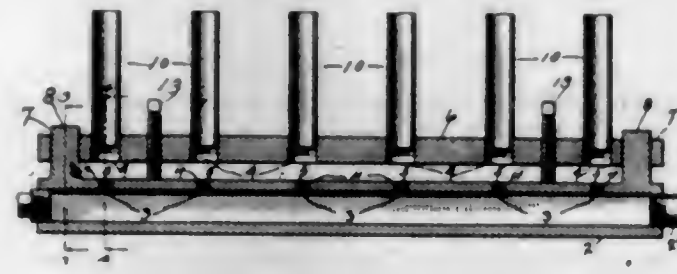


1. A device as described comprising a light source, a reflector, a series of spaced apart substantially horizontal fins disposed in front of the upper portion of the reflector and having corrugated surfaces, and a second series of fins disposed in front of the lower portion of the reflector and being inclined from the reflector downwardly and outwardly, certain of said inclined fins having single slots therein and certain other of the inclined fins having a plurality of slots therein.

1,517,394. GAS BURNER. JOHN A. BENGTSON, Kane, Pa., assignor of one-half to Hjalmer Swanson, Kane, Pa. Filed Feb. 3, 1923. Serial No. 616,762. 1 Claim. (Cl. 158-106.)

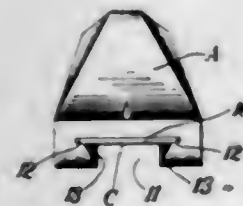
In a device of the class described, a gas reservoir, vertically movable gas discharging elements mounted in the upper wall of the reservoir, and normally flush with its upper surface, a gas mixing member comprising a

heavy heat radiating body spaced from said upper wall and including flues positioned to register with the gas discharging elements, mounting means including studs and adjusting devices passing vertically through said body, the ends of the adjusting devices bearing on the upper wall and these devices being operable for independently varying the elevation of opposite ends of the



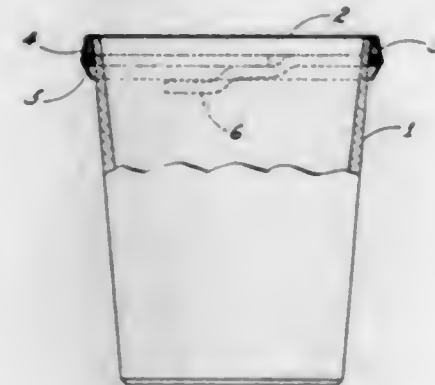
mixing member with reference to an adjusted position of the vertically movable elements through which gas is discharged from the reservoir, and retaining devices passing laterally through the body and engaging the studs, the lower surface of the body being continuous and unobstructed between the jets formed by the discharged gas.

1,517,395. CUTTING TOOL. FORREST H. BLANDING, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 31, 1924. Serial No. 680,617. 14 Claims. (Cl. 30-9.)



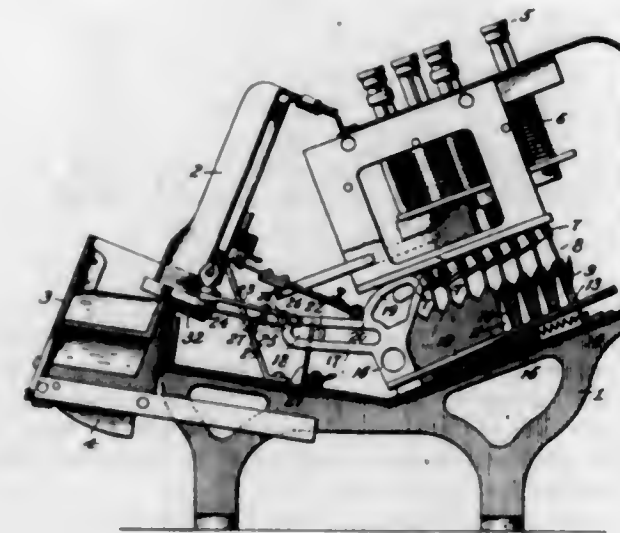
1. In a device of the class described, the combination of a holder having grooves, a cutting element having edges retained in said grooves, and means engaging said grooves and providing an abutment for said element.

1,517,396. CLOSURE SEAL. DALE M. BOOTHMAN, Pottsville, Pa., assignor to Aluminum Seal Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 11, 1922. Serial No. 593,791. 18 Claims. (Cl. 215-40.)



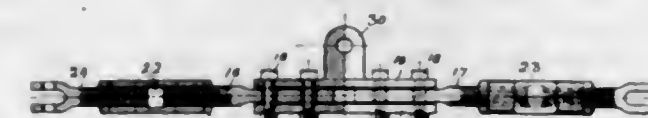
1. The combination with a container, of a metal cap closing the mouth of the container and having a depending skirt forming with the wall of the container an annular space, a sealing gasket in the top of said space, and a wire in said space against the lower edge of the gasket and retaining the cap firmly upon the container.

1,517,397. COIN-DELIVERY APPARATUS. EDWARD J. BRANDT, Watertown, Wis., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Original application filed Jan. 25, 1918, Serial No. 213,729. Divided and this application filed Dec. 21, 1921. Serial No. 523,958. 4 Claims. (Cl. 133-5.)



1. In a machine of the character described, a coin receptacle having an opening in the side thereof, a coin pusher comprising a slidable plate, an arm pivotally connected to the plate and adapted to pass through the opening in the receptacle for engaging and ejecting the coin, an arm pivotally connected to the first mentioned arm and adapted to pass through the opening in the receptacle and engage the bottom thereof, a spring interposed between the arms for normally holding them spaced, and means for operating the pusher.

1,517,398. ROD FOR CONNECTING SWITCH POINTS. WILLIAM A. BRUMAGE, Milwaukee, Wis. Filed Mar. 4, 1924. Serial No. 696,736. 6 Claims. (Cl. 246-450.)

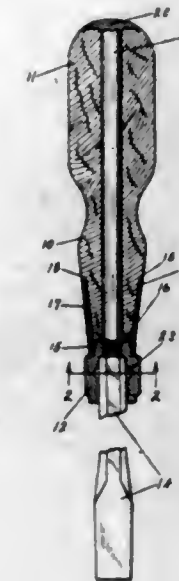


2. A composite connecting rod for the switch points of a railway track, such rod comprising two threaded sections flattened at their contiguous ends, plates secured thereto to hold such ends in alignment and insulated therefrom, outer ends of the aligned sections being threaded, turnbuckles thereon, and connectors threaded into the outer ends of the turnbuckles and forked for connection to the switch points.

1,517,399. TOOL HANDLE. LAWRENCE A. BURCH, Jamestown, N. Y. Filed Mar. 28, 1923. Serial No. 628,330. 1 Claim. (Cl. 279-95.)

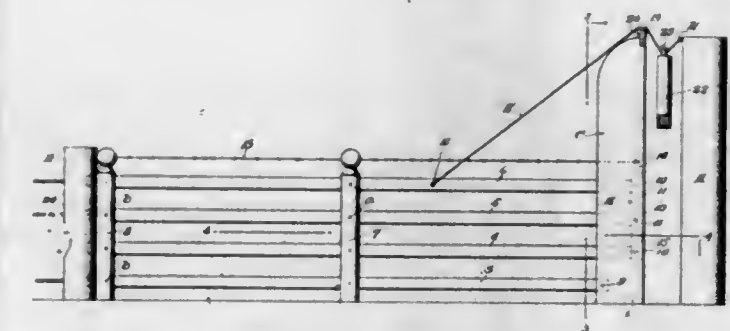
A tool handle comprising in combination a grip, a socket at the end of said grip adapted to receive and removably hold the shank of the blade of a tool, a boss at the inner end of said socket bearing against the end of said grip, means in threaded connection with said boss to hold it firmly in contact with said grip one end of said means projecting through said boss so that the

end of said shank contacts therewith whereby any blow upon the grip will be transmitted through said means upon said shank, and a conical sleeve enclosing said boss



and the lower end of said grip, said sleeve being forced upon said grip as the socket is secured upon the grip by tightening said threaded means.

1,517,400. GATE. THOMAS J. BURTON, Plainview, Minn. Filed May 7, 1924. Serial No. 711,660. 1 Claim. (Cl. 39-86.)

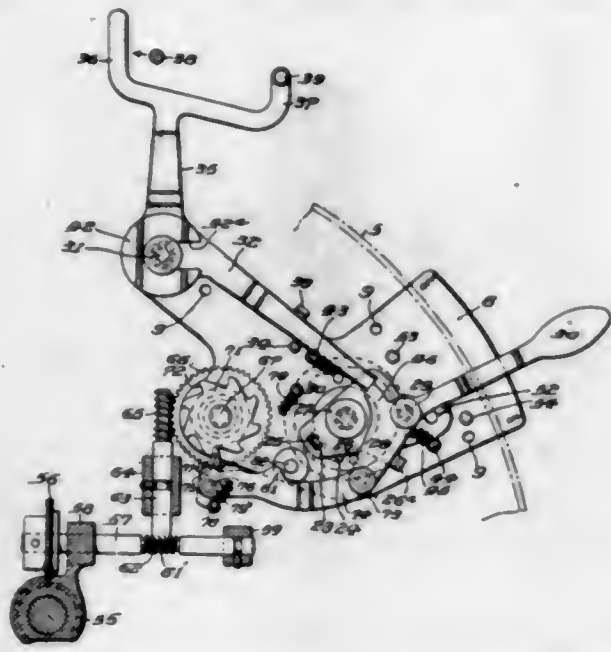


In combination with an upright support, a gate hinged thereto and adapted to be opened and closed by swinging straight up and down in a vertical plane, said gate comprising a shorter bottom rail pivoted at its inner end to the support and a plurality of longer vertically spaced top and intermediate rails pivotally connected together at their inner ends, a counterbalancing weight for said gate, and a forked bearing bracket to which the inner ends of the top and intermediate gate rails are pivoted.

1,517,401. STOPPING MECHANISM. FREDERIC S. CALDERWOOD, Riverton, N. J., and RUDOLPH E. ZERUSSETH, Philadelphia, Pa., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Aug. 26, 1922. Serial No. 584,405. 19 Claims. (Cl. 192-122.)

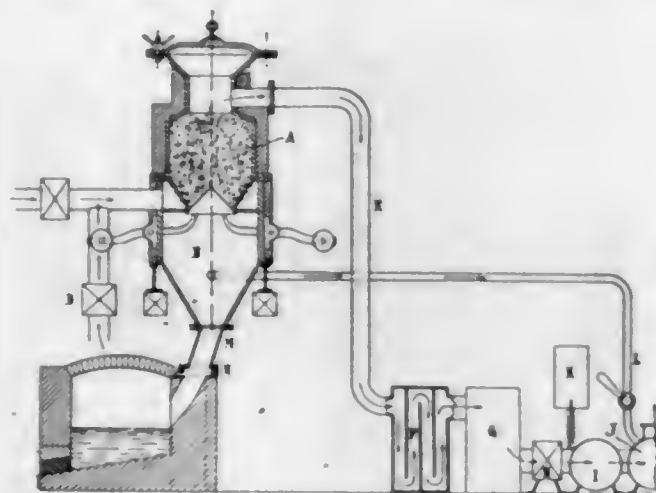
1. In a stop mechanism the combination of a stop member movable into stopping and into non-stopping positions, an abutment member mounted on said stop member and movable with respect thereto, a detent for holding said stop member in non-stopping position, yielding means tending to move said stop member into

stopping position and holding said abutment against said detent when said stop member is in non-stopping position, and means to move said abutment member with



respect to said detent out of engagement with said detent to release said stop member, whereby said yielding means moves said stop member into stopping position.

1,517,402. PRODUCTION OF IRON AND STEEL BY TREATING DIRECTLY GANGUE-FREED ORES. GEORGES CONSTANT and ANDRÉ BAUZAC, Paris, France. Filed Apr. 11, 1922. Serial No. 551,554. 2 Claims. (Cl. 75-14.)

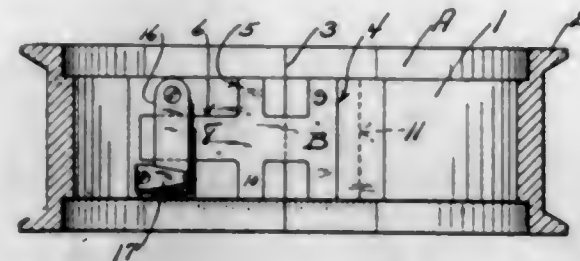


1. A process of making iron or steel, comprising the steps of subjecting the gangue-free ore, in an air-tight reduction chamber, to the action of carbonic oxide which is being constantly renewed, bringing the ore and carbonic oxide to a predetermined temperature which is below the point where the ore becomes pasty and maintaining such temperature for a definite period of time which is a function of the temperature, thereby to obtain complete reduction and carburization of the metal and its consequent conversion into steel in said chamber; substantially as described.

1,517,403. RIM. JOHN W. COURTNER, Dewey, Okla. Filed Mar. 31, 1924. Serial No. 703,263. 3 Claims. (Cl. 301-30.)

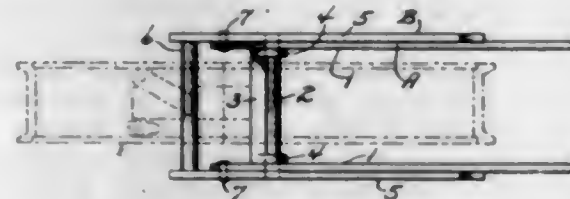
1. A split rim of the class described provided with a longitudinally extending groove across the split of the rim, a pair of transversely extending grooves one crossing the end of the longitudinally extending groove and the other crossing the intermediate portion of the longi-

tudinally extending groove, a locking member including an elongated body adapted to be received in the longitudinally extending groove, and an end cross member adapted to be received in the transverse groove at the end of the longitudinal groove and an intermediate cross member adapted to be received in the transverse



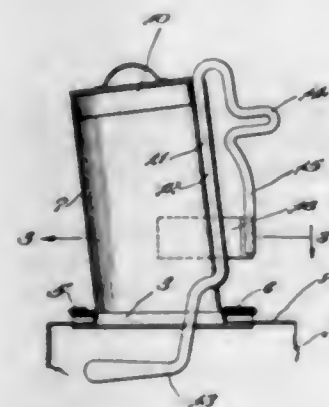
groove extending across the intermediate portion of the longitudinal groove, the edge of the end cross member being rounded, and one wall of the transverse groove at the end of the longitudinal groove being rounded, and means for holding the end of the elongated body opposite to that on which is disposed the end cross member in engagement with the rim.

1,517,404. RIM TOOL. JOHN W. COURTNER, Dewey, Okla. Filed Apr. 1, 1924. Serial No. 703,515. 2 Claims. (Cl. 157-1.)



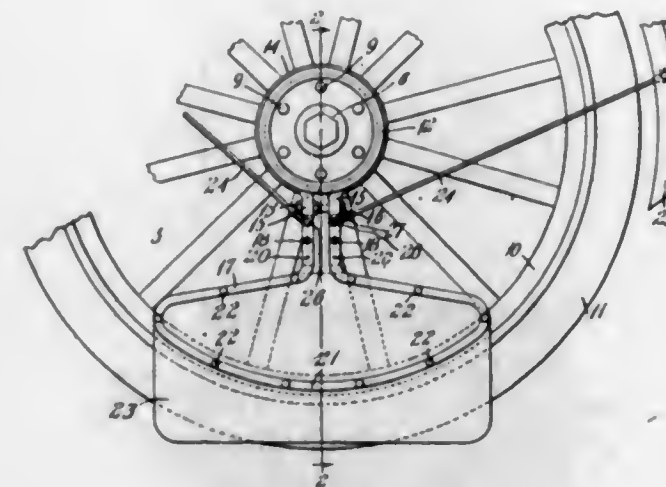
1. A tool of the class described including a pair of frames one pivoted to the other intermediate its end and each provided with cross members for engagement with grooves provided in a rim, one cross member being provided with a filler block rotatable thereabout.

1,517,405. POWDER DISCHARGER. JOHN F. CRAFTON, Chatham, Ill., assignor of one-half to Frank Keller, Chatham, Ill. Filed Sept. 28, 1923. Serial No. 665,424. 3 Claims. (Cl. 221-61.)



1. In combination, a powder can having an outlet, a wedge-shaped flange arranged around the outlet, a spout having a flange for detachable engagement with the first flange, means for closing the end of the spout, a rod rotatably supported by the spout and having one end extending through the outlet, a paddle on the end of the rod for movement below the outlet, a handle for the rod, and means for locking the rod against movement.

1,517,406. SPLASHGUARD. WILLIAM CUPPER, South Hingham, Mass. Filed Dec. 28, 1922. Serial No. 609,486. 3 Claims. (Cl. 280-156.)



2. In combination, a vehicle wheel embodying therein a hub provided with a flange formed integral therewith, an annular member rigidly fastened to said hub flange, said member being provided with a groove extending around the periphery thereof, a yoke loosely mounted upon said member within said groove, means to adjust said yoke upon said member, a frame fast to said yoke and adjustable vertically thereon and a shield fast to said frame and located adjacent to the ground at the side of said wheel.

1,517,407. FASTENER. WILLIAM CZARSKI, Curry, Territory of Alaska. Filed June 27, 1923. Serial No. 648,159. 1 Claim. (Cl. 24-24S.)

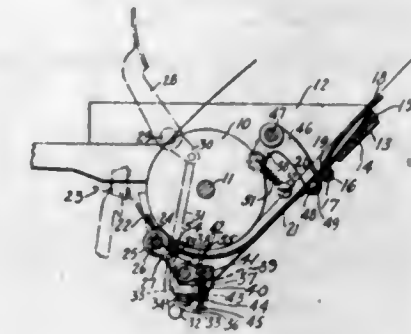


A fastener of the character described comprising a body portion, enlarged ends formed thereon, a serrated cammed surface formed in one end and arranged adjacent an elongated opening, substantially V-shaped teeth formed on the opposite enlarged end, a part pivotally secured to the body portion midway its ends, and enlarged ends formed thereon and cooperating with the enlarged ends of the body portion as for the purpose specified.

1,517,408. TYPEWRITING MACHINE. FRANK K. DAVIS and CHARLES C. TAYLOR, Washington, D. C., assignors to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 23, 1921. Serial No. 517,158. 7 Claims. (Cl. 197-143.)

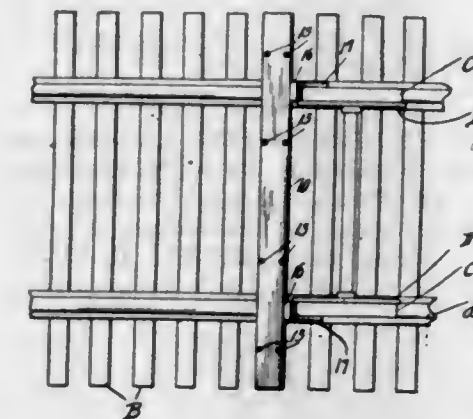
1. In a front-strike typewriting machine, a rotary platen, a platen-carriage, a paper-guide or apron on the carriage extending around under and to the front of the platen, and movable between a normal writing position snugly adjacent the platen and a sheet front-insertion position with its forward extremity remote from the platen, a paper-table at the rear of the platen, interlaced fingers on the apron and paper-table to form with the apron and table an uninterrupted guide-surface which will not snag sheets inserted bottom-end first at the

front of the platen between the platen and the apron, when the latter is in its sheet-inserting position, and means for effecting translatory movement of the apron



relative to the paper-table and substantially parallel thereto between the normal and sheet-inserting positions of the apron.

1,517,409. BALLAST SPREADER. SID DEARRY, Chapel Hill, Tenn. Filed Oct. 7, 1922. Serial No. 593,103. 1 Claim. (Cl. 37-104.)

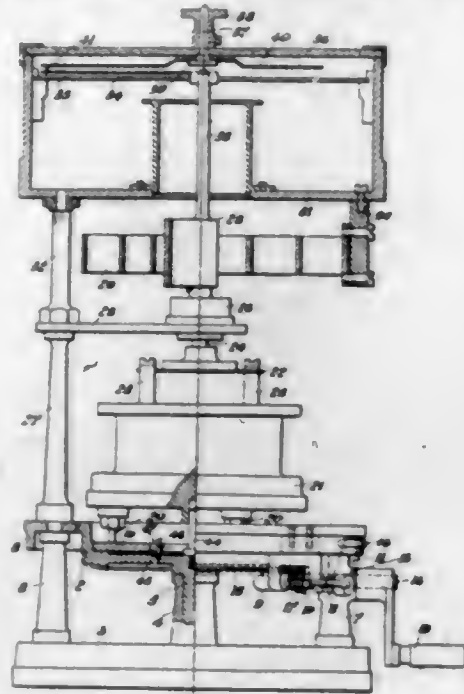


A ballast spreading device including a spreader bar adapted to be moved along a track, said spreader bar having notches in its lower surface to receive the rails, metallic wear-preventing strips on said lower surface and extending into said notches, shoes secured to the rear side of said spreader and at their lower ends extending rearwardly of the spreader for a substantial distance and resting on the rails, said shoes having their rear surfaces arcuate for direct engagement with the bearing surfaces of the wheels of rolling stock, the radius of said surfaces being substantially the same as that of the periphery of said wheels and said shoes adapted to be overlapped at their inner sides by the flanges of said wheels.

1,517,410. LUBRICANT AND FRICTION TESTING MACHINE. RICHARD MOUNTFORD DEELEY, Kew, England. Filed Aug. 27, 1923. Serial No. 659,626. 5 Claims. (Cl. 265-11.)

1. A lubricant and friction testing machine comprising a rotatable friction plate arranged in the base of a lubricant containing pan and rotatable therewith, a series of friction pins carried on a weighted rotatable member, a maximum indicating pointer associated with the friction pin carrying member, a fixed scale associated with the pointer, a coiled spring having one end fixed and the other connected to the rotatable member, and ratchet mechanism associated with the rotatable pan, the ends of the friction pins being arranged to bear on the friction plate so that their weighted carrying member will be rotated by frictional engagement of the friction plate with the pins when the lubricant pan is rotated and so place the spring in a condition of strain and move the pointer over the scale, the ratchet mechanism being arranged to engage the pan so as to prevent its return

by the spring when the driving force is temporarily removed during the rotation of the loaded pan and to be



thrown out of operation when it is desired to release the spring and allow the pointer to return in the direction of the zero of the scale.

1,517,411. FOUNTAIN-PEN CASING AND CAP THEREFOR. WILLIAM P. DE WITT, Somerville, Mass., assignor to De Witt-La France Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Jan. 21, 1922. Serial No. 530,741. 6 Claims. (Cl. 120-42.)

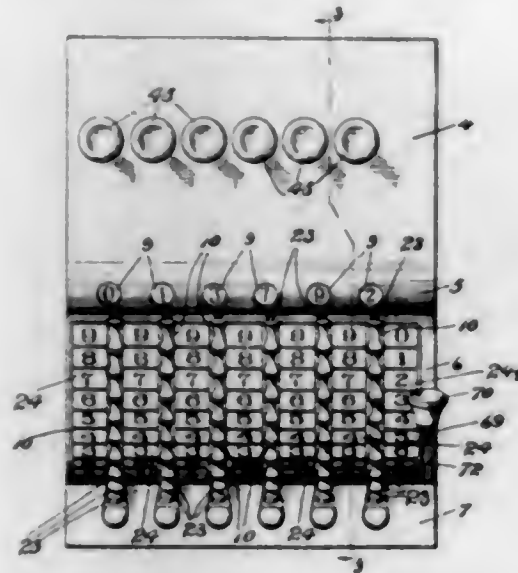


1. A metal cap for a fountain pen having, in combination, an inner metal tubular shell having an interior screw thread thereon at its front end for a portion of its length only and an outer tubular metal shell enclosing said inner shell and having a straight bore projecting for a substantial distance beyond the open end thereof.

1,517,412. ZERO-SETTING MECHANISM IN ADDING MACHINES. FRED H. DOERR, Grand Rapids, Mich., assignor, by mesne assignments, to Todd Protectograph Company, Incorporated, Rochester, N. Y., a Corporation of New York. Original application filed Mar. 16, 1917, Serial No. 155,251. Divided and this application filed Aug. 28, 1920. Serial No. 406,534. 11 Claims. (Cl. 235-144.)

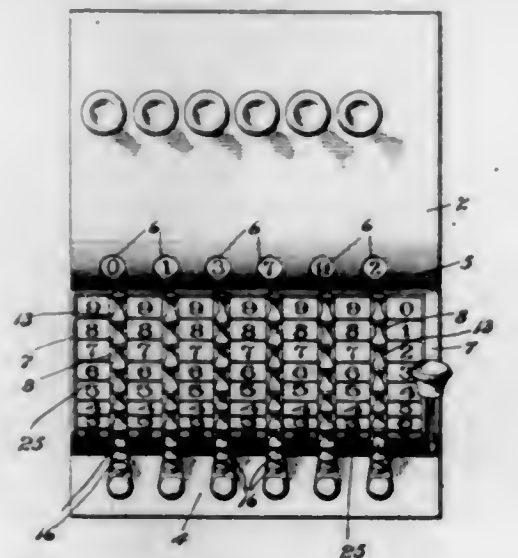
3. In an adding machine, a series of rotatably mounted computing units, a vertically mounted clearing bar

slidably mounted back of and associated with each unit, mechanism interposed between each bar and its associated unit for clearing the unit on depression of the bar, a pin extending from each bar, a shaft rotatably



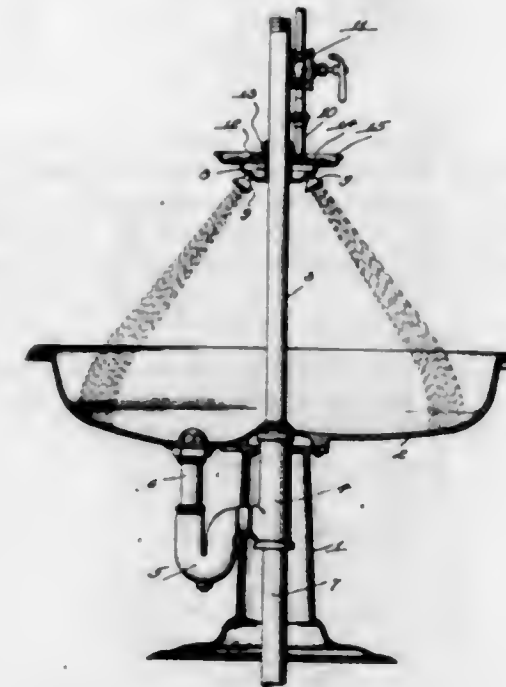
mounted adjacent the bars, a plurality of fingers, one for each bar, fixed at one end on the shaft and extending at the opposite ends over the pins, and means to rotate the shaft to engage the fingers with all of the pins and operate all of the clearing bars in unison.

1,517,413. TRANSFER MECHANISM IN ADDING MACHINES. FRED H. DOERR, Grand Rapids, Mich., assignor, by mesne assignments, to Todd Protectograph Company, Incorporated, Rochester, N. Y., a Corporation of New York. Original application filed Mar. 16, 1917, Serial No. 155,251. Divided and this application filed Aug. 28, 1920. Serial No. 406,535. 2 Claims. (Cl. 235-134.)



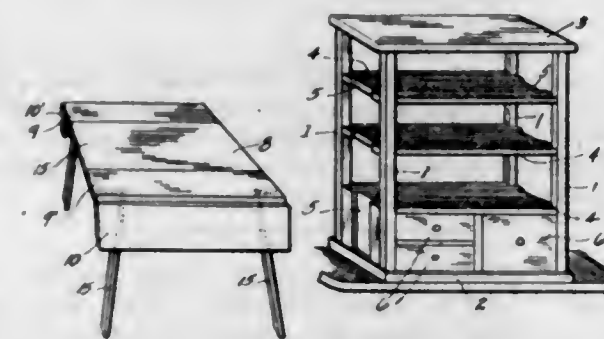
1. In a transfer mechanism for computing machines, a plurality of computing units rotatably supported in end to end relation and each comprising a toothed wheel and a cam wheel having a plurality of cam surfaces thereon, a pivotally mounted dog for each unit cooperating with said cam surfaces, a spring urging each dog into engagement with said cam wheel, said dog and cam wheel surfaces having an arrangement tending to turn said cam wheel in a reverse direction, and a spring actuated lever pivotally carried by each dog for cooperation with said toothed wheel of the adjacent unit, said lever being arranged for movement out of engagement with said toothed wheel to free the latter.

1,517,414. WASHBASIN. DAVID A. EBLINGER, Columbus, Ohio, assignor to The D. A. Eblinger Sanitary Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Feb. 11, 1924. Serial No. 691,908. 4 Claims. (Cl. 4-101.)



1. A device of the class described comprising a basin, a vent pipe rising centrally therefrom, a manifold adjustably carried by the vent pipe and having a soap container associated therewith, and means for introducing water into the manifold.

1,517,415. COMBINATION CABINET AND TABLE. OLE J. EDWARDS, Everett, Wash. Filed Oct. 15, 1923. Serial No. 668,574. 3 Claims. (Cl. 190-12.)

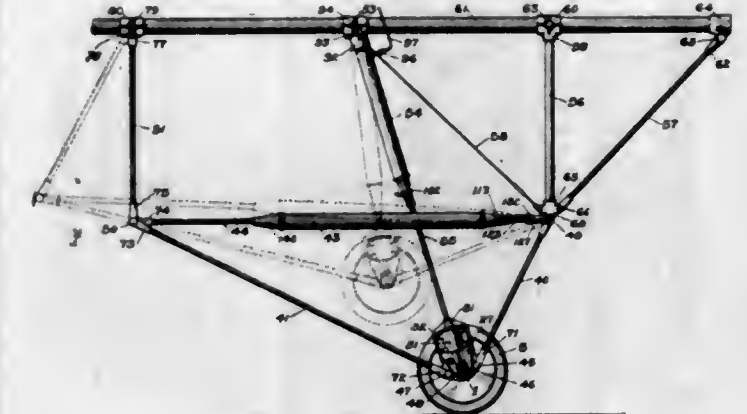


1. A cabinet comprising top and bottom walls and a shelf supporting frame, a casing removable from the frame comprising back wall, side walls and front wall sections, the latter being adapted to be locked together to hold the casing about the frame and adapted when removed from the frame to be extended to form a table top.

1,517,416. LANDING GEAR FOR FLYING MACHINES. THOMAS MILTON FINLEY and ALLEN W. BROWN, St. Louis, Mo. Filed Sept. 9, 1920. Serial No. 409,160. 25 Claims. (Cl. 244-2.)

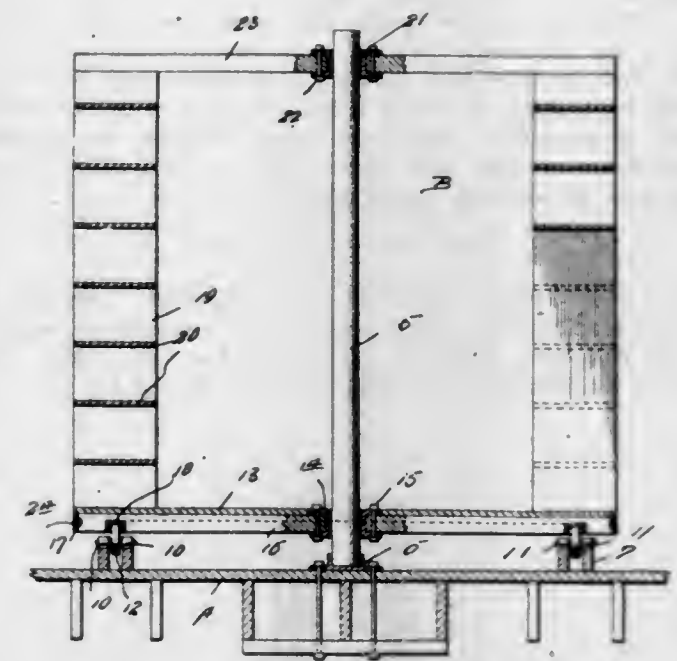
1. A landing gear of the class described including an axle, oppositely inclined link members connected with and diverging upwardly from the axle, means for mounting the link members to permit the same to swing longitudinally of the landing gear and to change their an-

gular relation, and separate pivotally mounted yieldable means arranged to swing both longitudinally and vertically for resisting such movements to cushion the land-



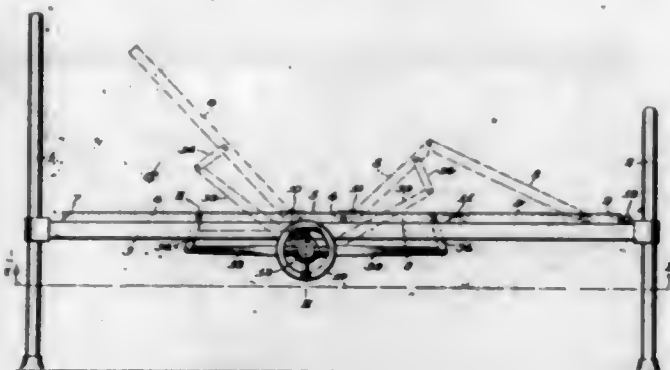
ing gear, said yieldable means extending upwardly from the axle and located between the inclined link members and composed of telescoping sections.

1,517,417. ROTARY SHELF FOR GROCERIES AND THE LIKE. RAYMOND LESLIE FLOYD, Cascade, Idaho. Filed July 10, 1923. Serial No. 650,605. 1 Claim. (Cl. 211-20.)



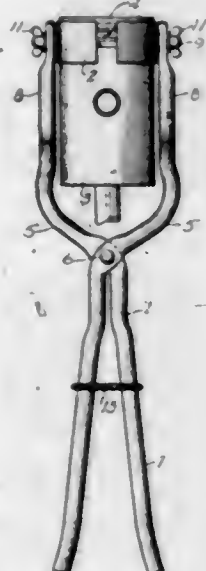
A rotary display shelf structure comprising a support, a standard mounted thereon, a frame disposed around the standard and spaced therefrom and consisting of sections disposed at angles with relation to each other, said frame being mounted upon the support, rollers journaled upon the frame at the intermediate portions of the angularly disposed sections thereof, a plate journaled upon the standard and having its edge portion disposed over the frame, a superstructure mounted upon the plate, radially disposed bars applied to the under side of the plate, a U-shaped track carried by the bars and disposed under the plate, the intermediate portion of the track bearing upon the upper sides of the rollers and the side flanges thereof receiving the upper portions of the rollers between them, and an annular skirt member applied to the ends of the bars and having an annular groove adapted to receive a belt for rotating the plate above the support.

1,517,418. TILTING DEVICE FOR HOSPITAL BEDS. HENRY FORD, Dearborn, Mich. Filed July 23, 1921. Serial No. 486,956. 4 Claims. (Cl. 5-77.)



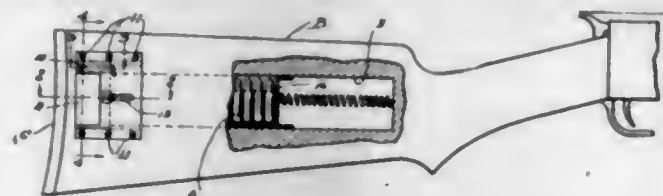
1. An invalid bed constructions wherein a support is tiltable by the patient to shift its angularity to the vertical, mechanism operative by the patient for positioning the support within the range of the tilting movement, said mechanism including a shaft rotatable on its axis and operatively connected to the support at spaced points in the width of the bed to provide positioning movements of the shaft, a rotatable manipulating element positioned accessible to the patient, and means operatively connecting the element and shaft and operative to shift the position of the support by element movement and to maintain the shaft against movement in the absence of element movement, said means including a gearing assembled having one of its gear members mounted on the element and movable thereby to shift the axis of such gear member in an orbital path, an internally-toothed gear co-operating with and rotatable by said gear member and operatively connected with said shaft to move therewith, and a fixed toothed face co-operative with the gear member to prevent movement of said gear member on its own axis in the absence of element movement.

1,517,419. PISTON-RING CONTRACTOR. EDWIN J. FRASER, Berwyn, Ill., assignor of one-half to Samuel H. Bingham, Chicago, Ill. Filed Dec. 11, 1922. Serial No. 606,167. 3 Claims. (Cl. 29-86.4.)



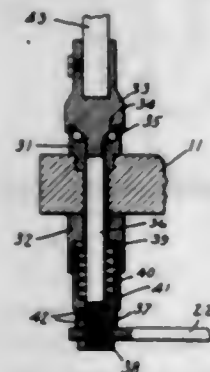
1. A piston ring contractor comprising tongs having a pair of arcuate jaws at one end thereof arranged in opposed relation to each other so as to be adapted to embrace a piston ring, said tongs including a handle part offset from the normal axis of said jaws.

1,517,420. RIFLE. LEWIS FRITZ, Chicago, Ill. Filed Aug. 28, 1922. Serial No. 584,813. 4 Claims. (Cl. 42-71.)



1. A rifle including a stock having a storage compartment formed therein and an entrance opening formed in the side of the stock with a curved portion leading to the compartment, a closure member for said opening, and a spring for retaining said member in closed position.

1,517,421. SHAFT MOUNTING. HORACE M. GRAY and DAVID WILSON, Anderson, Ind. Filed Dec. 12, 1921. Serial No. 521,788. 1 Claim. (Cl. 64-49.)



A shaft mounting comprising an apertured base, a bushing stationarily secured therein including an enlarged head with an enlarged opening therein and a threaded opposite end, a spindle pivotally mounted in said bushing and projecting therethrough and including an enlargement for closing said bushing enlarged recess, an anti-friction construction between said spindle and said bushing and positioned in said enlarged recess, a nut securing said bushing to said base and having a tubular extension projecting beyond said bushing, a coiled spring in said tubular extension surrounding said spindle, a cup mounted on said spindle and telescopically associated with said tubular extension for enclosing and retaining said spring, and actuating means connected to the spindle for causing the same to swivel upon the anti-friction bearing.

1,517,422. COMBINATION LAND AND WATER VEHICLE. LEO G. HALL, Downers Grove, Ill. Filed Aug. 5, 1922. Serial No. 579,822. 9 Claims. (Cl. 115-1.)

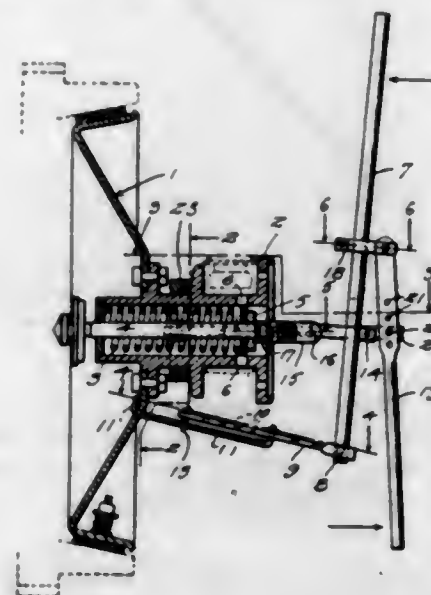


1. The combination with a land vehicle, of means for propelling the same, said means comprising a tube having a portion of minimum diameter and enlarging toward both ends, a blast projecting device disposed within the tube substantially at the point of minimum diameter and adapted to deliver a blast toward either end of the tube, whereby a reactive thrust may be imparted forwardly or rearwardly.

9. In a combined water and land vehicle, a water tight body portion, wheels carried by said body portion exteriorly thereof, and a device for producing combustion and for projecting a blast of the products of combustion

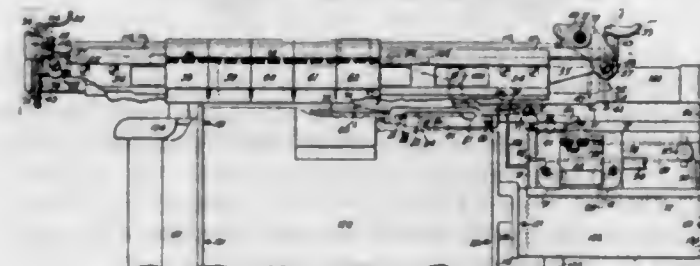
carried by said body portion above the normal water line, said blast projecting device being arranged to project the blast forwardly or rearwardly at will for propelling the vehicle either on land or in water, one of said wheels serving as a rudder in water.

1,517,423. CLUTCH JACK. ARTHUR C. HANSON, Dallas, S. Dak. Filed Aug. 12, 1922. Serial No. 581,473. 3 Claims. (Cl. 29-87.1.)



1. In a device of the above stated character, comprising a retaining pin operating lever, clutch engaging members pivotally connected to said lever, means slidable on said lever for engagement with a clutch spring and retaining pin, and a clutch collar operating lever slidably mounted on the retaining pin operating lever.

1,517,424. COMPUTING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,093. 18 Claims. (Cl. 235-59.)

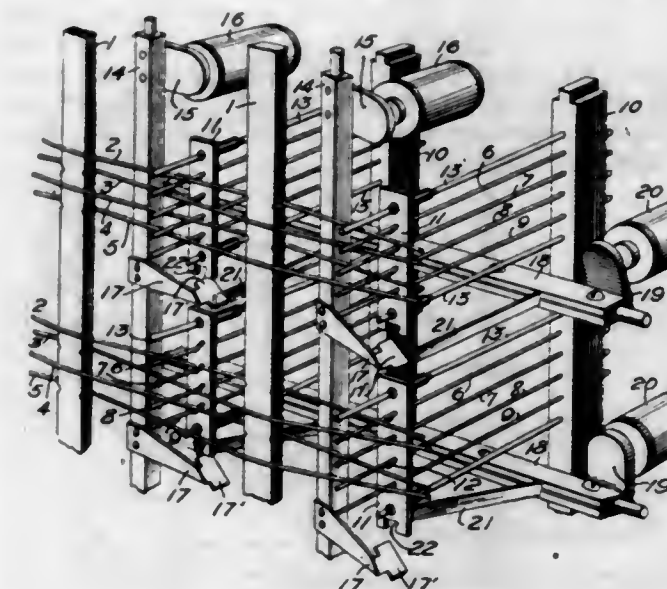


1. In a computing machine, the combination of a main carriage or truck, a cross truck, pick-up mechanism for causing the cross truck to travel in unison with the main truck and to return relatively thereto to normal position, and key controlled engaging means comprising two cooperative members one on the cross truck and the other controlled by said key, the construction and arrangement of the parts being such that the said two engaging members are brought into engagement by an overthrow of the cross truck after it is released for relative return movement.

1,517,425. AUTOMATIC TELEPHONE SWITCH. CHARLES J. HENDRICKSON and VICTOR F. MILLER, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 7, 1922. Serial No. 527,564. 13 Claims. (Cl. 179-25.)

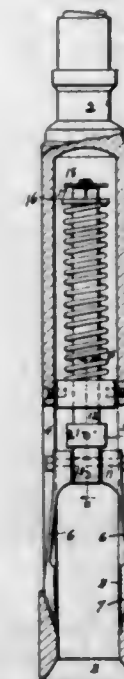
1. A switch structure comprising active and passive contacts, a member for operating said contacts, said

member being normally movable independently of the active contacts in a path wherein it is ineffective to operate said active contacts, and means effective, when



operated, to cause said member while moving in its normal path to deviate from its said path to operate said active contacts.

1,517,426. WELL FISHING TOOL. ROSS W. HICKMAN, Oklahoma City, Okla. Filed Sept. 22, 1923. Serial No. 664,214. 4 Claims. (Cl. 294-102.)

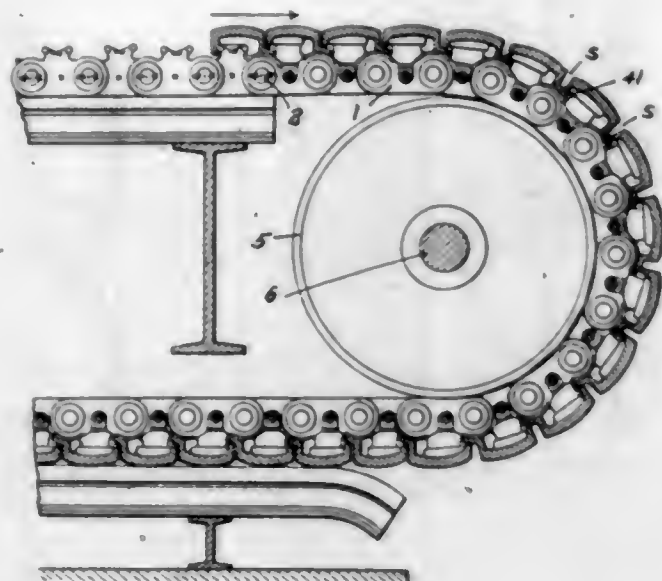


1. The combination with a cylindrical shank, of a stem capable of movement therein, an element carried by the shank, an element carried by the stem, a spring bearing between said elements, means for holding the spring under compression and gripping jaws carried by the stem and adjustable toward and from each other independent of the movement of the stem under the influence of the spring, or of the shank with respect to the stem.

1,517,427. TRAVELING GRATE. HARRIS B. HOLT, Dormont, Pa. Filed Jan. 19, 1924. Serial No. 687,249. 1 Claim. (Cl. 110-40.)

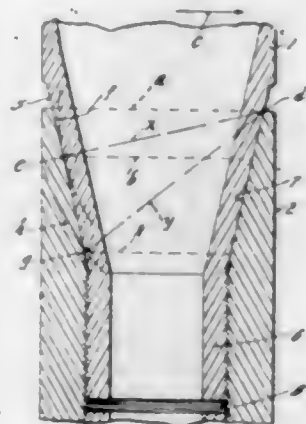
In an endless chain-grate structure traveling in a curved-ended path the combination of a belt formed of interpivot links, grate-bars borne by said belt, said grate-bars being arranged in rows, the grate-bars individually being square ended, and being provided with

terminal aprons extending when the grate-bars are in place concentrically with the axes of pivoting of the sustaining links, said aprons cooperating with the square



ends of the grate-bars to form closed-bottomed approximately V-shaped pockets which, closed throughout the level reaches, open as the structure traverses the curved end portions of its pathway.

1,517,428. ROTARY DRILL PIPE. HENRY G. JAHRAUS, Los Angeles, Calif., assignor of one-half to William R. Mitchell, Los Angeles, Calif. Filed Dec. 5, 1923. Serial No. 678,657. 7 Claims. (Cl. 285-151.)

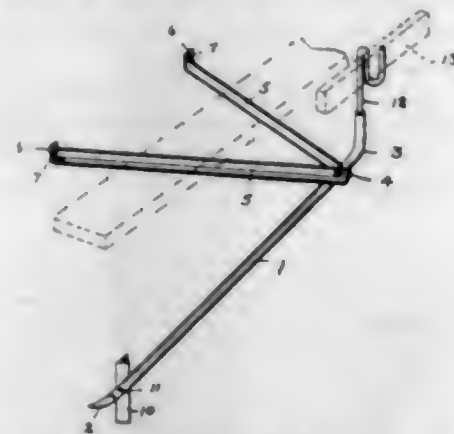


1. A rotary drill-pipe including a member having a bore tapered inwardly from its outer end and having an internally screw-threaded portion beyond the taper, said tapered bore being formed so that the distance from a given point on its larger circumference to the nearest diametrically opposite portion of its tapered surface is less than the distance from said point to a diametrically opposite point on the smaller circumference of the taper, and an adjacent member formed to provide a tapered portion terminating with an externally screw-threaded end portion, the tapered and threaded portions of said adjacent member corresponding with and adapted to engage within the like portions of the first named member.

1,517,429. SCAFFOLD BRACKET. SEVERIN F. JENSEN, Duluth, Minn., assignor of one-half to Oscar L. Elveng, Duluth, Minn. Filed Mar. 4, 1924. Serial No. 696,762. 2 Claims. (Cl. 304-33.)

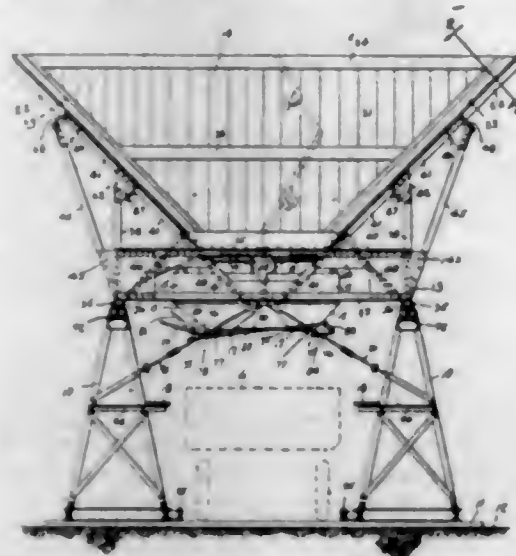
1. A scaffold bracket of the type described comprising a tubular bracing member pointed at its lowermost end and curved upwardly at the opposite end, two scaffold

supporting members pivotally united upon opposite sides adjacent the upper curved end of the bracing member, said supporting members having nail engaging



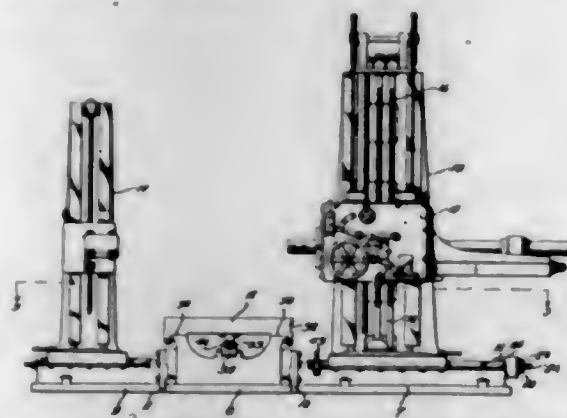
means at their opposite ends, and a removable goose neck rail supporting member within the upwardly curved portion of the bracing member for the purpose described.

1,517,430. OVERHEAD MEASURING AND LOADING CONSTRUCTION. CHARLES S. JOHNSON, Champaign, Ill. Filed May 20, 1923. Serial No. 641,692. 11 Claims. (Cl. 214-1.)



1. A structure for loading loose material including a pair of supports between which the vehicle to be loaded may stand, a frame resting upon the upper ends of said supports, and a bin resting upon said frame, said members being held together by gravity, and the adjacent parts thereof interlocking to prevent displacement, whereby they can be readily assembled, disassembled and transported as desired.

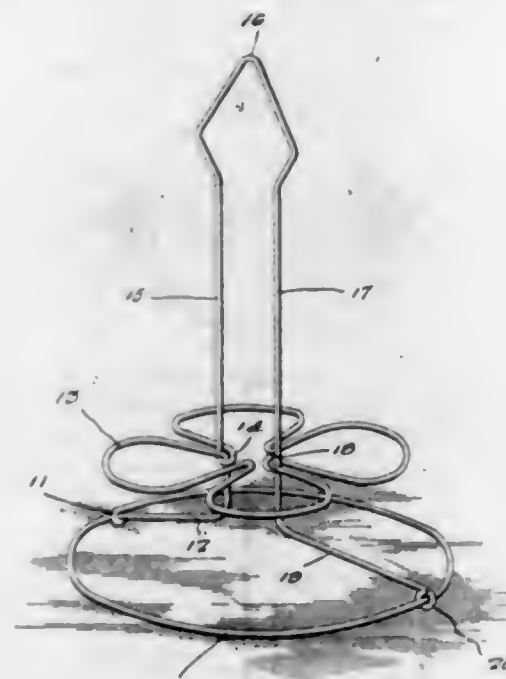
1,517,431. METAL-WORKING MACHINE. FRANK S. JONES, Philadelphia, Pa. Filed Feb. 13, 1923. Serial No. 618,787. 6 Claims. (Cl. 29-26.)



1. A general use machine including a bed; a spindle-carrying column movable in the direction of the length of the spindle; a work table movable on the bed transverse-

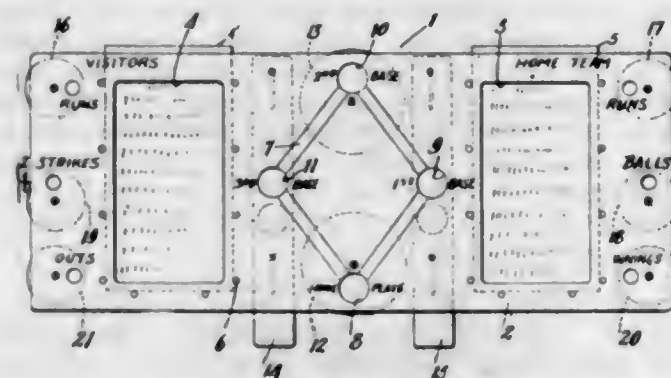
ly to the column; a feed screw adapted to move the column; a feed screw adapted to move the table; a driven shaft, and gearing connecting the shaft and the feed screws.

1,517,432. HOLDER. FRANK KAYTE, Farr, Colo. Filed May 23, 1923. Serial No. 640,940. 1 Claim. (Cl. 53-1.)



A holder formed from a single length of wire and comprising a loop, one end of the wire closing said loop, a leg extending upwardly from the loop and bent to provide a plurality of horizontally disposed loops each associating with an adjacent loop, said wire projecting upwardly forming one arm of a handle from whence it is contorted and looped and extended downwardly with an arm spaced from and parallel to said first mentioned arm, the lower portion of the second mentioned arm secured between loops diametrically opposite the first mentioned arm whereby said handle is formed while extending from this point downwardly and outwardly is a leg whose outer end is connected to the base loop as and for the purpose specified.

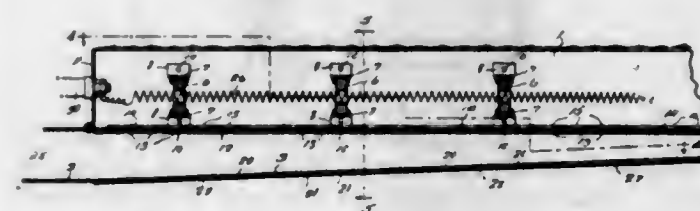
1,517,433. GAME. HUGH A. KELLY, Jersey City, N. J. Filed Aug. 6, 1924. Serial No. 730,364. 6 Claims. (Cl. 46-63.)



5. For a game of baseball, a die having eighteen faces, said faces comprising two large square faces, four hexagonal faces, eight quadrilateral faces, four small rec-

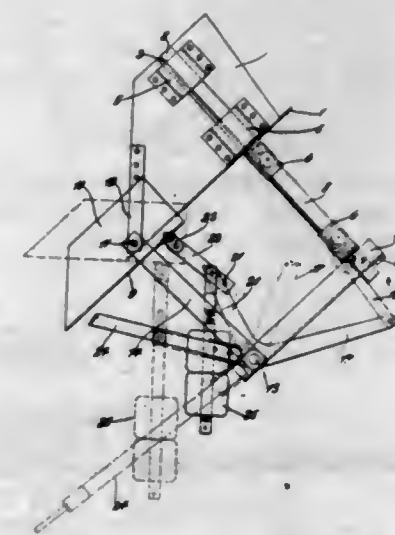
tangular faces, one of said large square faces having inscribed thereon the word ball and the other of said large square faces having inscribed thereon the word strike, said four hexagonal faces having inscribed respectively thereon ball, strike, foul strike, fly out—advance runner, said eight quadrilateral faces having inscribed respectively thereon fly out—no advance, bunt out—runners advance, double play, error—batter safe on first, double, single, stolen base, single and said four rectangular faces having inscribed respectively thereon triple, home run, hit by pitched ball, passed ball.

1,517,434. HEATER. ANNE J. KLUEVER, Lakewood, Ohio. Filed Dec. 27, 1921. Serial No. 524,900. 5 Claims. (Cl. 34-48.)



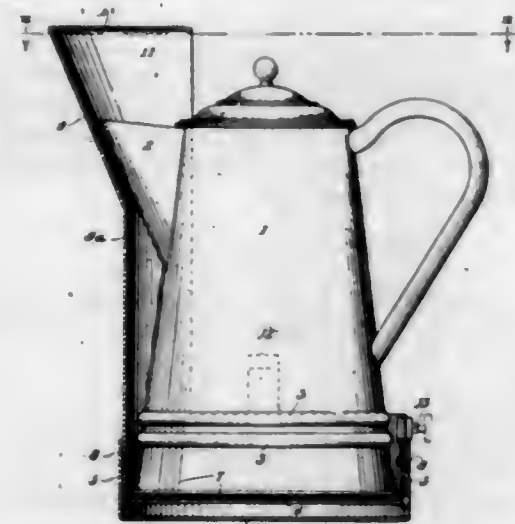
1. A device of the character set forth comprising a substantially rectangular casing having one side thereof open and constituting a discharge opening, an air duct connected with said casing, a fan operatively connected with said duct and adapted to create an air draft therethrough, a heating unit disposed within said casing intermediate said air duct and said discharge opening, a plurality of dampers arranged intermediate said heating unit and said air duct, and a damper for opening said air duct to the atmosphere.

1,517,435. LOADING CHUTE. LOUIS A. KNOPP, St. Louis, Mo., assignor to Broderick & Bascom Rope Co., St. Louis, Mo., a Corporation of Missouri. Filed Dec. 19, 1923. Serial No. 681,530. 14 Claims. (Cl. 193-20.)



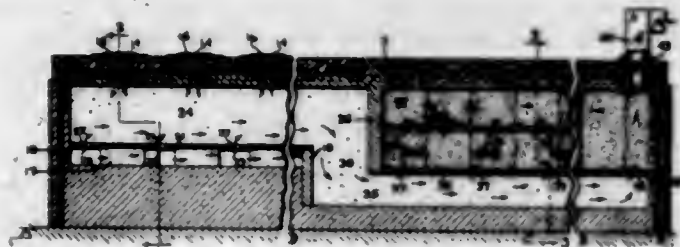
1. In a loading chute, a gate for closing the chute above the discharge end, a lip pivotally supported at the discharge end of the chute, and mechanism for operating the gate and the lip in a time order in which the gate is moved nearly to closed position before the lip is moved.

1,517,436. COFFEEPOT HOLDER. LOUIS KOCJAN, Milwaukee, Wis. Filed June 2, 1923. Serial No. 643,026. 4 Claims. (Cl. 65-61.)



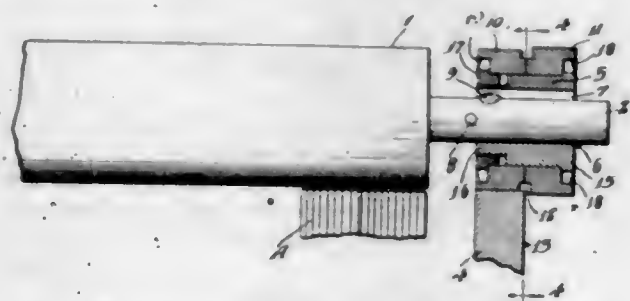
1. In a coffee pot holder, a holder receptacle adapted to support a coffee pot and a guard carried by the receptacle adjacent the spout of the pot, said receptacle embodying an outer base pan and an inner receptacle removably mounted therein.

1,517,437. TUNNEL KILN. THURE LARSSON, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 22, 1924. Serial No. 687,679. 11 Claims. (Cl. 25-144.)



1. A tunnel kiln comprising a foundation and side and top walls forming a kiln chamber for the passage of ware, means for heating the central zone of the kiln, means providing regulatable air openings from the external atmosphere into the interior of the kiln chamber which are spaced longitudinally of the cooling zone for varying the temperature curve thereof, and means for drawing air through said openings into the kiln chamber.

1,517,438. INKING-ROLLER TRUCK. HERBERT G. LA SOR, Los Angeles, Calif. Filed Dec. 11, 1922. Serial No. 606,227. 4 Claims. (Cl. 101-348.)



1. In an inking roller truck for inking type, the combination of a track rail for guiding the truck over the type, an inking roller having its shaft disposed adjacent to the rail, a guide roller mounted on the shaft having two roller parts, one of said parts being of slightly larger diameter than the other, and means for supporting the roller on the shaft constructed so as to enable the

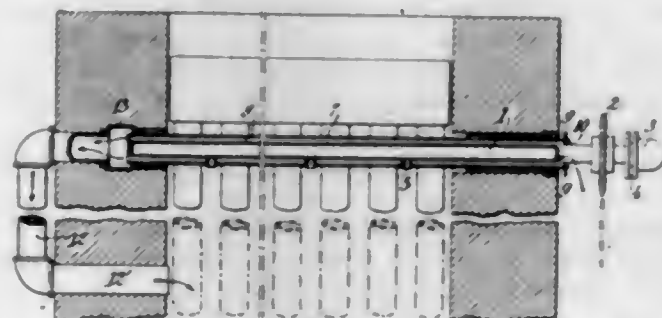
roller to be applied in one position with one of the said roller parts in contact with the rail and in a reverse position with the other roller part engaging the rail, said roller having a gap between the bearing faces of the roller parts whereby when one of the roller parts is resting on the rail the other roller part is held displaced from the rail and out of contact with the same.

1,517,439. DIRECTION INDICATOR. CARL LIKE, San Francisco, Calif. Filed May 21, 1924. Serial No. 714,833. 2 Claims. (Cl. 40-145.)



1. A direction indicator comprising an upright post, a square shaped plate secured to the post at one of its corners, and a plurality of varied colored arrow shaped members attached to the other corners of the plate.

1,517,440. AIR-COOLED SOOT CLEANER. FREDERICK W. LINAKER and THEODORE M. BRUBACK, Du Bois, Pa. Filed Oct. 18, 1921. Serial No. 508,604. 3 Claims. (Cl. 122-392.)

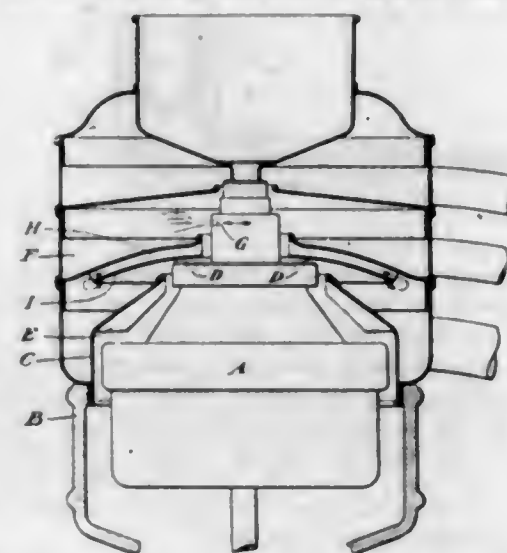


1. A soot cleaner element having an enclosing jacket open at one end to the outer air and a conduit leading from the other end and terminating in communication with a portion of the furnace where the fire gases have passed beyond the active heating surface of the boiler whereby the furnace draft induces a copious flow of air through said jacket to cool the element, and the air discharged from the jacket does not dilute or cool the combustion gases until after they have passed beyond the heating surfaces of the boiler.

1,517,441. MEANS FOR PREVENTING REMIXING OF SEPARATED LIQUIDS. HANS OLOF LINDGREN, Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed July 20, 1923. Serial No. 652,812. 5 Claims. (Cl. 233-21.)

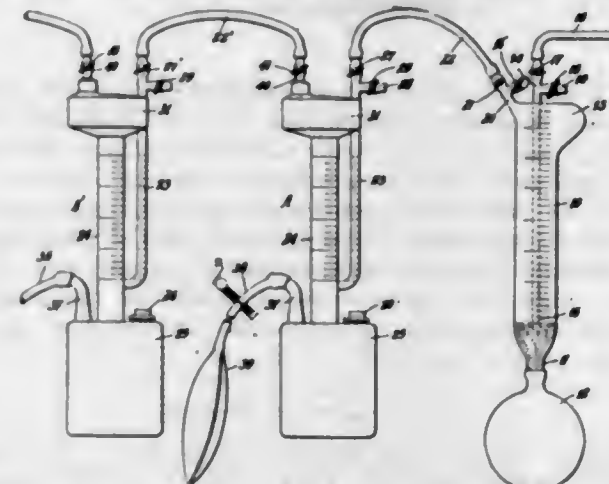
1. In a centrifugal machine for separating liquids of different specific gravities in combination, a bowl pro-

vided with openings for the passage of separated liquids, collecting vessels for the separated liquids disposed about said bowl, said vessels being separated by a partition, and a second partition secured in spaced relation to said



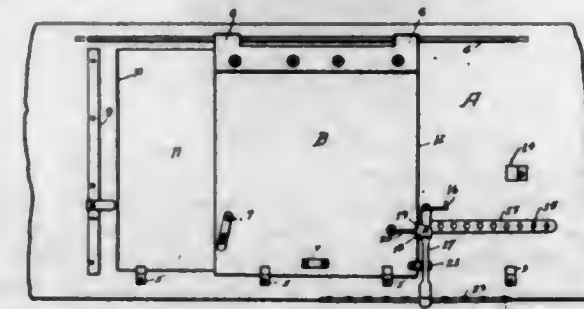
first mentioned partition, the space between said partitions being in communication with the vessel in which said second partition lies, at points remote from and adjacent to the centre of said vessel.

1,517,442. GAS-ANALYZING APPARATUS. ALEXIS S. LOMSHAKOFF, Prague, Czechoslovakia. Filed Dec. 12, 1923. Serial No. 680,099. 6 Claims. (Cl. 23-3.)



4. A series of measuring burettes each having a receptacle for an absorbent solution, a mixing chamber, and a graduated column connecting the receptacle and mixing chamber, a controlled pipe connection between the mixing chamber of one burette and the column of the next, and means for expelling the unabsorbed gases from one burette to the next.

1,517,443. CAR-DOOR OPERATING AND LOCKING DEVICE. LESLIE MCCLAIN, Oklahoma City, Okla. Filed Mar. 6, 1924. Serial No. 697,259. 1 Claim. (Cl. 268-6.)



A car, a door therefor, a pair of racks, means carried by the door for co-operating with each of said racks intermittently for urging the door in lateral directions

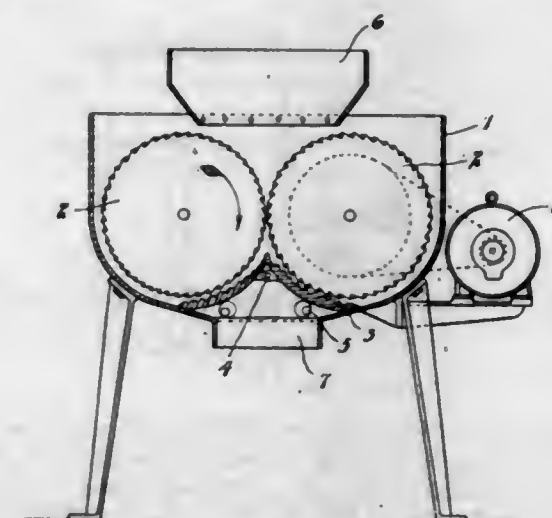
either way, and for locking said door in given positions in either direction, and means carried by the door for co-operating with the said locking means.

1,517,444. ANKLE SUPPORT. WILLIAM JOHN MCCLINDEN, Owen Sound, Ontario, Canada, assignor to Canada Cycle & Motor Company, Limited, Weston, Ontario, Canada. Filed Dec. 31, 1921. Serial No. 526,365. 2 Claims. (Cl. 46-53.)



1. In an ankle support, the combination with an upright member arranged at the back of the shoe and rigidly secured to the heel, of a link member formed with side flanges adapted to swivelly engage the upper end of the rigid member, a pin extending through said side flanges and the rigid member, a lug extending below the pivot pin adapted to engage the outside of the rigid member to limit the outward swinging of the link, and a bar pivoted in the upper end of said link adapted to support the ankle.

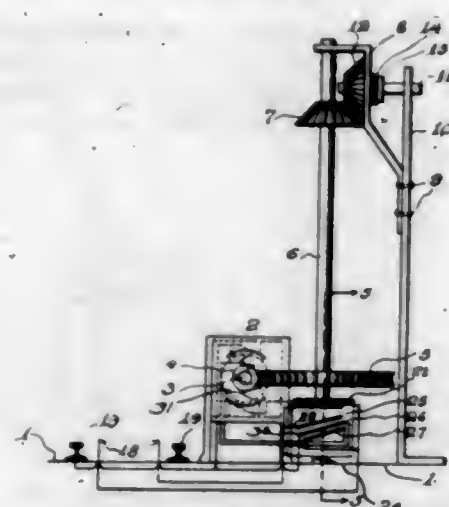
1,517,445. PROCESS OF PRODUCING POWDERED MEAT. JOHN C. MACLACHLAN, St. Paul, Minn., and JOHN M. MACLACHLAN, Milwaukee, Wis. Filed Aug. 11, 1922. Serial No. 581,056. 9 Claims. (Cl. 99-5.)



7. A powdered meat comprising the insoluble substances of the meat in pulverized or minute particles and the soluble substances of the meat in separate minute or pulverized particles, the particles of the soluble substances being in soluble and uncooked condition and mixed with the particles of the insoluble substances to form a homogeneous dry material.

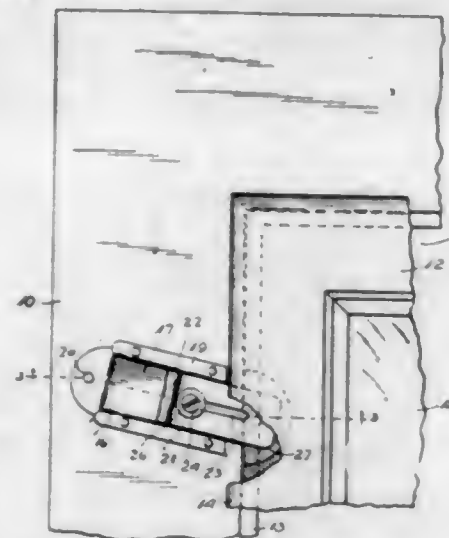
8. The process of producing powdered meat which consists in grinding the raw meat, mixing the ground meat with water to form a fluid, pulping the mixture to disintegrate the fibre of the meat, then separating, and rapidly drying the separated particles of pulp to form a powdered substance at a temperature sufficiently high to sterilize said particles.

1,517,446. ELECTRICALLY-OPERATED RAILWAY-GATE MECHANISM. JOHN MALMBERG and OTTO E. NELSON, Moorhead, Minn. Filed Oct. 17, 1923. Serial No. 669,137. 4 Claims. (Cl. 30-7.)



1. In a device of the class described, the combination with a support, of a vertical shaft journaled upon said support, a pair of horizontal shafts, gates attached to said horizontal shafts and extending radially therefrom for swinging vertically into and out of an operative position when the horizontal shafts rotate, means for transmitting rotary movement from one horizontal shaft to the other and causing the horizontal shafts to rotate in opposite directions, means for transmitting rotary movement from said vertical shaft to one of said horizontal shafts, and means for rotating said vertical shaft, whereby movement will be imparted to the gates.

1,517,447. LOCKING MEANS. OTTO H. MEERZ, Fond du Lac, Wis. Filed Feb. 4, 1924. Serial No. 690,411. 1 Claim. (Cl. 292-145.)



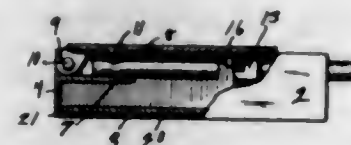
The combination with a wall having an opening, and a closure frame seating in said opening and having a recess in its side edge, of a locking device comprising a supporting frame, a locking bar, and a screw, said supporting frame being of U-shape cross section to form a longitudinally extending guide groove for said bar, said wall having a depression for receiving said supporting frame and to bring said bar into alignment with said recess, said bar having a longitudinal slot and said screw extending through said slot and the bottom of said supporting frame and threading into said wall to hold said frame in said depression and to limit the movement of said bar, the end of said supporting frame being on the bias and said wall depression being inclined toward said recess to receive said frame with its bias edge parallel with the side edge of said closure frame, the inclination of said depression and frame causing said bar to tend to keep itself in locking position with its end in said recess.

1,517,448. TOBACCO PIPE. ALBERT ULYSSES MONTGOMERY, Hattiesburg, Miss. Filed June 14, 1923. Serial No. 645,375. 1 Claim. (Cl. 131-12.)



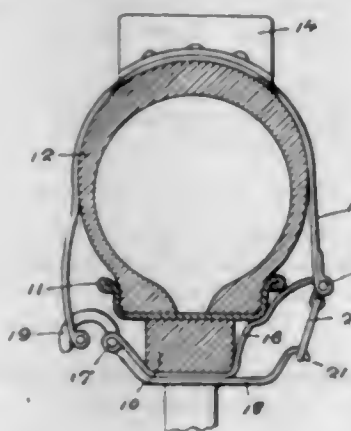
A pipe comprising a bowl and a stem portion formed integral therewith, said bowl having a wall dividing the bowl from the stem portion, said bowl having a spirally formed groove disposed exteriorly thereof and terminating in a relatively large groove exteriorly of the stem, said stem having a bore extending throughout the length thereof and communicating with the relatively large groove, an auxiliary bowl in the first mentioned bowl, and a casing fitted around the first mentioned bowl to cover the spirally formed groove.

1,517,449. MAIL-BAG FASTENER. WILLIAM L. MURPHY, Caledonia, Minn. Filed May 16, 1924. Serial No. 713,835. 2 Claims. (Cl. 24-132.)



1. A fastener of the class described including a casing of a box like structure having one end provided with openings and the other end provided with an inwardly extending shelf, and an opening above the shelf, a leaf hinged in said last mentioned opening and provided with a rib adapted to engage ropes or the like passing through the openings first mentioned of one end of the casing when the leaf is closed down on the adjacent wall of the box like structure all in the manner and for the purpose specified.

1,517,450. TRACTION SHOE. LOUIS NAGY, Sr., WHITES, Mich. Filed July 21, 1924. Serial No. 727,368. 5 Claims. (Cl. 152-14.)

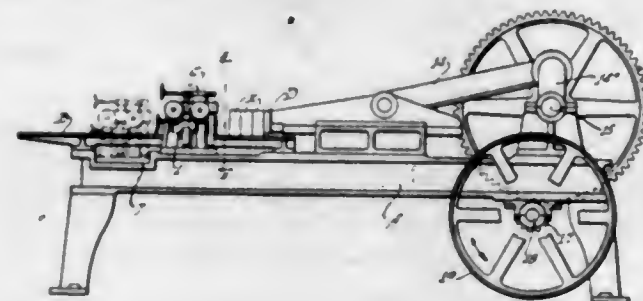


4. In a traction shoe for vehicles, a carrier adapted to be positioned around the tire and felly of a wheel and comprising a substantially U-shaped tire engaging body section, a felly section extending transversely across and engaging the felly and rim, a resilient locking lever pivotally secured to one end of the felly engaging section, a hook at one end of the lever for detachable connection with the opposite end of the body section, a link pivotally secured to the first mentioned end of said body section and an offset hook carried by the locking lever for engagement with said link.

1,517,451. HEAT TREATMENT OF MANGANESE STEEL. WESLEY G. NICHOLS, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 26, 1923. Serial No. 621,461. 4 Claims. (Cl. 148-13.)

1. The improvement in the art of heat treating manganese steel castings, which consists in introducing castings to be heat treated, while at low temperature, into a furnace standing at relatively high temperature but with the interruption of the heat source, permitting the temperature of the furnace to fall for a time while the castings absorb the heat, and thereafter generating heat in the furnace and raising the temperature to that required for completing heat treatment.

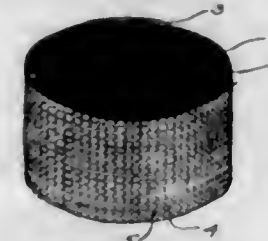
1,517,452. MACHINE AND METHOD FOR MAKING DRY-PRESSED ROUGH-TEXTURE BRICK. OTTO C. OEHLER and WILLIAM HILLERBRAND, St. Louis, Mo. Filed Dec. 11, 1922. Serial No. 606,080. 7 Claims. (Cl. 25-1.)



1. A method of making a dry-pressed, rough texture brick, characterized by forming a dry-pressed brick in a smooth face mold box, running the brick from said mold box at the completion of the pressing operation, and thereafter ornamenting the brick by moving it relatively to devices that impart a jagged, rough and uneven appearance to one or more faces of the brick by forming scratches or serrations in said faces.

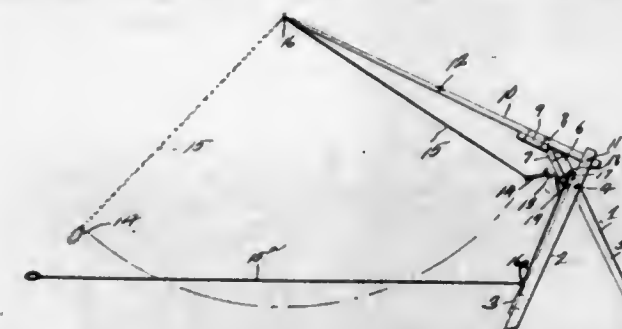
2. A machine for imparting a rough texture surface to a dry-pressed brick, provided with a scoring mechanism comprising a horizontally-disposed shaft and a vertical shaft arranged adjacent the path of travel of a brick that is to be scored and adapted to be maintained in a stationary position during the scoring operation, angularly-disposed scoring devices on said shafts, and means for adjusting said shafts to change the angle of said scoring devices.

1,517,453. FOOD PRODUCT AND PROCESS OF MAKING SAME. SCOTT H. PERKY, Keeseville, N. Y. Filed Sept. 30, 1920. Serial No. 413,812. 14 Claims (Cl. 107-54.)



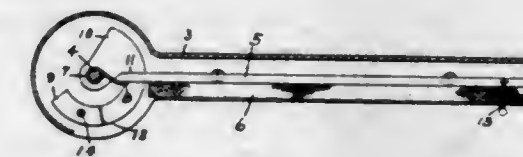
13. The herein described process of producing a food product which consists in shaping the material into the form of a striated ribbon, corrugating a portion of said ribbon, leaving a portion of said ribbon plain, rolling said ribbon into the form of a cylinder having the plain portion thereof on the outside and securing the end of said ribbon.

1,517,454. GAME. ALBERT L. PLATT, Omaha, Nebr. Filed Nov. 9, 1922. Serial No. 599,790. 1 Claim. (Cl. 46-59.)



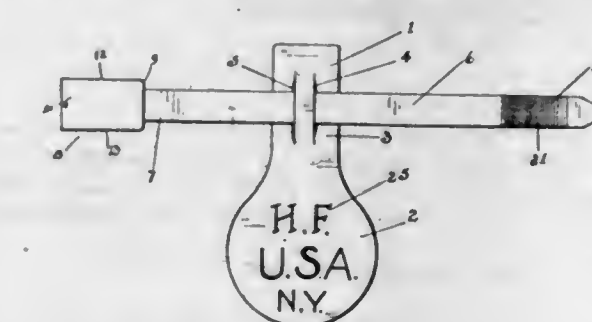
A game comprising a tripod having crossed members pivoted together, an angularly disposed arm pivoted to the upper end of one of the crossed members, a stop carried by the angularly disposed arm, said stop cooperating with the upper end of the other crossed member for rigidly holding the tripod, hooks carried by one of the crossed members, a cord supported ring carried by the arm and adapted to be hooked over the hooks, a ball cooperating with the ring for releasing the same from the hooks, and means for controlling said ball from a distance.

1,517,455. GLARE DIMMER. JOHN B. PRIESTHOFF, Kokomo, Ind., assignor of one-half to George Wilken, Latonia, Ky. Filed Feb. 16, 1923. Serial No. 619,486. 2 Claims. (Cl. 296-97.)



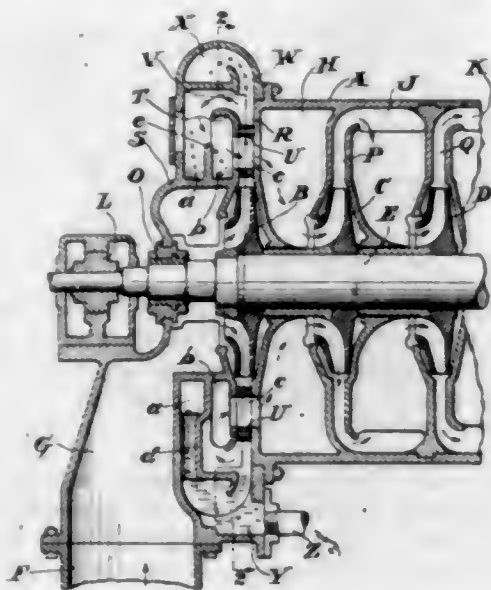
1. In a glare dimmer, a shaft, a plurality of ribs pivoted on said shaft, foldable material connected to said ribs for forming a shield, a plate fixed to said shaft, a shoulder thereon for limiting the upward movement of said ribs, a curved spring tongue extending from said plate, an offset in said tongue adapted to engage the forwardmost rib for holding the shield in extended position, means for releasing the shoulder from the rib, and means for returning all the ribs to collapsed position.

1,517,456. TAGGING DEVICE. JAMES EDWARD FULHAM, New York, N. Y. Filed Feb. 13, 1924. Serial No. 692,513. 6 Claims. (Cl. 40-21.)



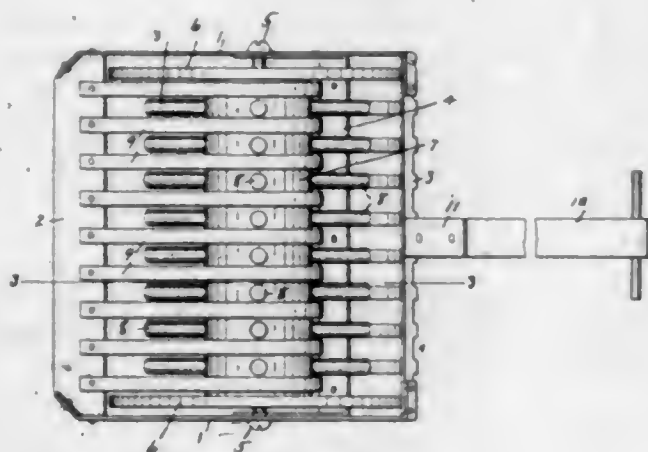
1. A device of the character described including an identification tag having an arm and means whereby same may be permanently attached to the body of the wearer, said tag embracing a body portion adapted to receive identification marks, said arm projecting from said body portion, opposing eyes provided in said arm to receive said means.

1,517,457. COMBINED TAR EXTRACTOR AND GAS EXHAUSTER. ROBERT H. REED, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 30, 1924. Serial No. 709,945. 2 Claims. (Cl. 183-77.)



1. A combined exhauster and tar extractor for gas comprising a casing, an impeller rotatably mounted within said casing, a diffuser, means for passing the gas from said diffuser through a plurality of sharp turns including vanes disposed in said diffuser provided with apertures extending transversely across said diffuser and chambers adjacent such sharp turns for collecting the tar centrifugally separated from said gas.

1,517,458. TOY. OTIS F. REITER, Baltimore, Md. Filed Nov. 15, 1923. Serial No. 674,832. 4 Claims. (Cl. 46-48.)

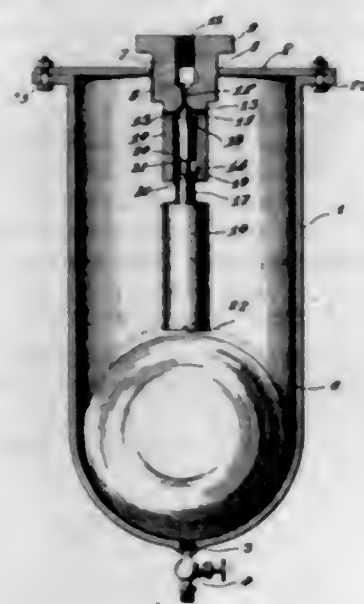


1. A toy comprising a frame, wheels revolvably mounted in said frame and connected by a spindle revolvable therewith, a raker plate mounted rearwardly of said wheels, a plurality of rake teeth mounted on the spindle of the wheels and revolvable therewith, and a discharge apron at the front of the said wheels.

1,517,459. VENTING DEVICE. POLA HARVEL REITER, Elgin, Ill. Filed Oct. 14, 1922. Serial No. 594,070. 3 Claims. (Cl. 137-69.)

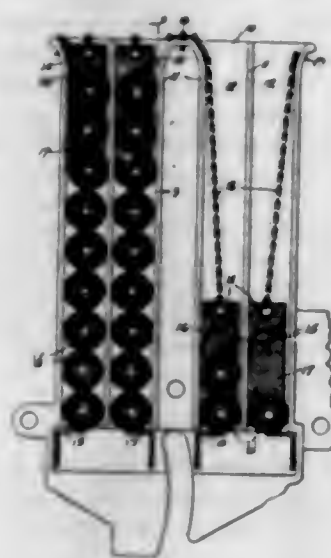
1. In a device of the character described, a venting valve comprising an exteriorly threaded body having a longitudinally extending bore, a valve seat within said bore, a laterally directed port through said body and communicating with the bore adjacent and below the

valve seat, a valve stem adapted to reciprocate within said bore having on its upper end a valve part and on its lower end a weight of less diameter than that of the



exteriorly threaded part of the body, and means limiting the longitudinal movement of the valve stem but permitting its free rotation in said bore.

1,517,460. WEFT-CARRIER MAGAZINE. OSCAR W. RICHARDSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 6, 1923. Serial No. 617,217. 4 Claims. (Cl. 139-245.)

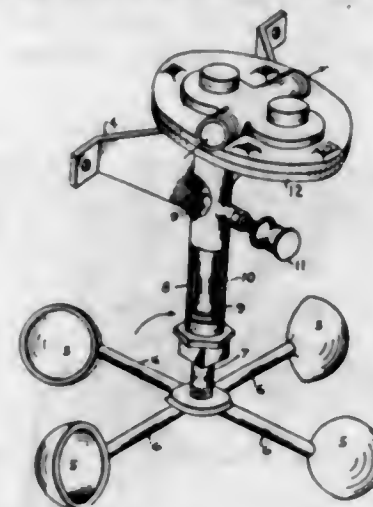


1. In a stationary magazine having substantially vertical weft carrier compartments, a weighted follower for each compartment effective to frictionally engage the top-most weft carrier in the compartment and to hold said weft carrier from angular movement therein, and means depending from the follower and engaging a portion of the bobbin thereunder to prevent lateral displacement of said follower.

1,517,461. PUMP. HUGH A. ROBINSON, Keyport, N. J., assignor to Aeromarine Plane & Motor Co. Inc., a Corporation of New York. Filed Aug. 23, 1918. Serial No. 251,070. Renewed Apr. 28, 1924. 4 Claims. (Cl. 103-59.)

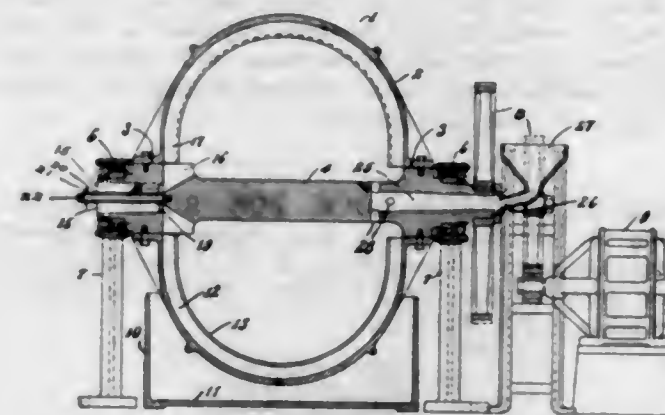
4. A pump of the class described comprising a casing having a gear-case part and a tubular part, meshing gear-pump members in said gear-case part, a driving shaft in said tubular part connected to one of said gear

members, and an anemometer wind-motor for driving said shaft, there being formed between said shaft and tubular casing part an elongated annular reservoir into



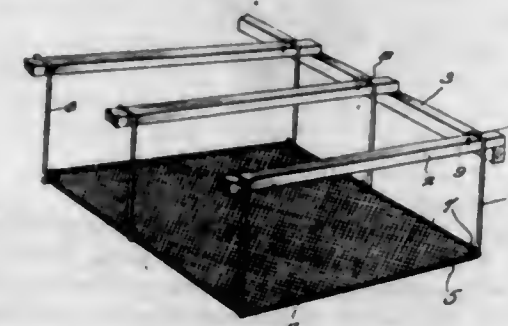
which the liquid from the gear-case part can penetrate to carry lubricant gradually by diffusion to the gear members.

1,517,462. TUMBLING DEVICE. ALBERT F. ROCKWELL, Bristol, Conn., assignor, by mesne assignments, to Standard Steel and Bearings Incorporated, Wilmington, Del., a Corporation of Delaware. Filed Sept. 8, 1919. Serial No. 322,347. 6 Claims. (Cl. 51-164.)



1. A tumbling device comprising, a tumbling barrel, a rotatable shaft on which the barrel is mounted, and inwardly extending ribs on said barrel, said ribs terminating at each end at points adjacent the rotatable shaft whereby articles will be directed from the ends of said ribs against the shaft to increase the tumbling action.

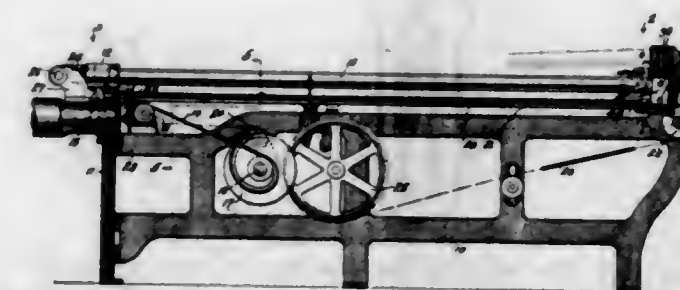
1,517,463. MEANS FOR PROTECTING TOBACCO-CURING BARN. ROBERT L. ROSE, Springfield, Tenn., assignor of one-half to Caleb Erskin Empson, Springfield, Tenn. Filed Jan. 27, 1923. Serial No. 615,253. 3 Claims. (Cl. 131-6.)



1. Means for the purpose set forth comprising foraminous screens, and hangers having their lower ends attached to the screens and their upper ends engaged over beams of a tobacco barn.

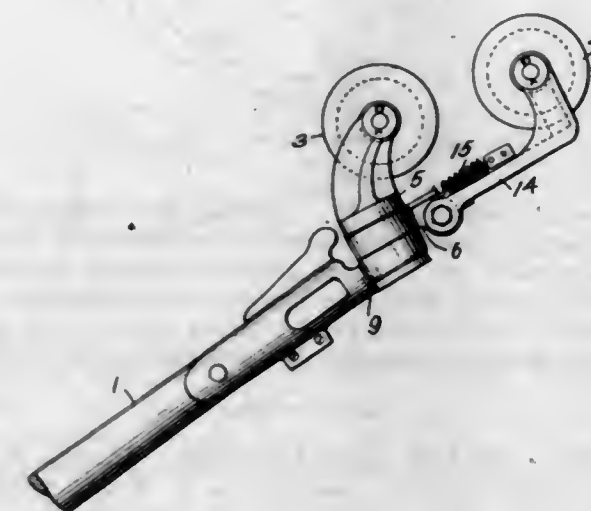
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1,517,464. LOOM FOR WEAVING PILE FABRICS. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1922. Serial No. 608,297. 3 Claims. (Cl. 139-42.)



2. In a pile fabric loom, a plurality of cross pile wires, a wire carriage, a guide bar for said carriage, a chain to move said carriage, a support for said chain, a pile wire support, and means to simultaneously adjust the outer ends of said bar, chain support and wire support to vary the angle of insertion of the pile wires.

1,517,465. TROLLEY HEAD. LOUIS SABO, Carolina, W. Va. Filed Aug. 21, 1924. Serial No. 733,357. 4 Claims. (Cl. 191-58.)

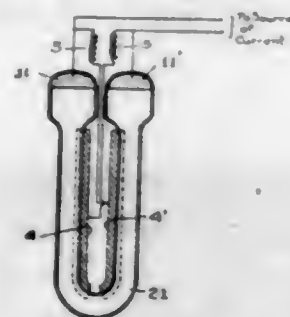


2. In a trolley head the combination with a trolley pole of two blocks rotatably mounted thereon and independently rotatable upon a common axis perpendicular to the axis of the pole, one of said blocks being composed of an inner and an outer section, the inner section being immediately mounted upon the trolley pole and the outer section being pivotally mounted upon the inner on a horizontal axis, and two trolley wheels, one rotatably carried by each of the said blocks, the wheel which is carried by the block which as aforesaid is compound being carried by the outer section thereof.

1,517,466. GASEOUS-CONDUCTION LAMP. OTTO SCHALLER, Berlin-Sudende, and FRITZ SCHRÖTER, Berlin-Schmargendorf, Germany, assignors to Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed July 22, 1920. Serial No. 398,274. 6 Claims. (Cl. 176-122.)

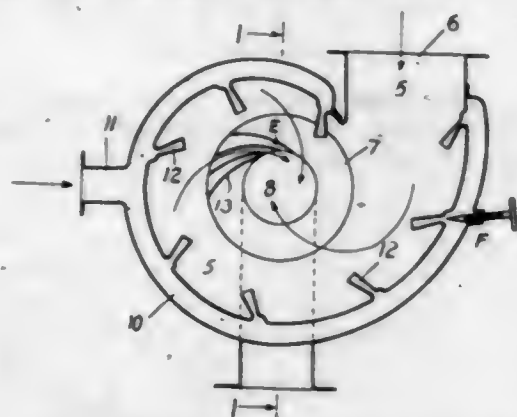
4. In a device of the class described, in combination, a substantially U-shaped glass vessel having an electrode mounted in the end of each leg thereof and having a gaseous content within which said electrodes are

adapted to maintain a luminous discharge, a conductive coating on each leg of said vessel and on that side thereof substantially facing the other leg, and means



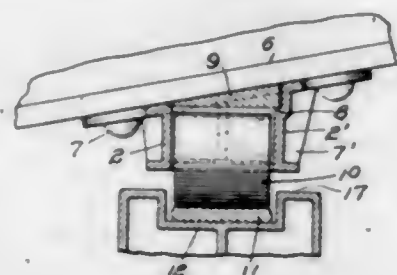
connecting the coating on one leg to the terminal of the electrode mounted in the end of the other leg of said vessel.

1,517,467. STEAM-ACTUATED EJECTOR. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 29, 1920. Serial No. 413,638. 10 Claims. (Cl. 230-13.)



1. In an apparatus of the character described, an inlet chamber communicating with a source of fluid to be compressed, an annular diffuser enclosed thereby, a centrally located discharge passage communicating with the diffuser, and means for delivering motive fluid across the inlet chamber inwardly into and through the diffuser.

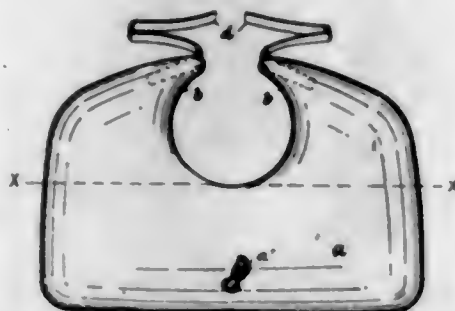
1,517,468. ROLLER SIDE BEARING. ARTHUR B. SEVERIN, Pittsburgh, Pa., assignor to A. Stucki Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 7, 1921. Serial No. 506,020. 1 Claim. (Cl. 64-64.)



A side bearing for railway cars comprising a cage adapted to be supported from the body bolster and having walls depending therefrom, an upper bearing plate, the depending walls of the cage extending below the said upper bearing plate and provided at their bottom edges with lateral flanges forming flat emergency bearing surfaces, the interior surfaces of the depending walls being substantially smooth and unobstructed throughout their entire extent, a lower bearing plate, a support therefor having upstanding side ribs flanking the same, the top edges of said ribs forming flat emergency bearing surfaces adapted to cooperate with the flat emergency bearing surfaces on the depending walls, a free

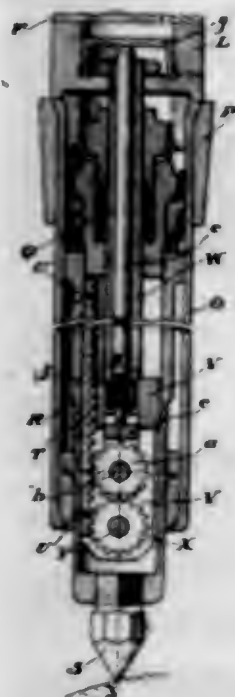
roller having plain flat ends interposed between the said plates confined in position thereon by both the depending walls of the cage and said upstanding ribs, said lower bearing plate being inclined downwardly from both ends towards a flat central portion whereby the roller moves theretowards immediately contact between the plate and upper roller is destroyed.

1,517,469. HEAD-SUPPORTING BATHING APPLIANCE. HENRY LUND SMITH, Paterson, N. J. Filed Feb. 27, 1922. Serial No. 539,656. 1 Claim. (Cl. 9-17.)



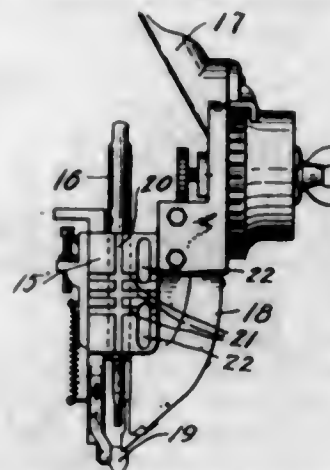
A head-supporting bathing appliance comprising a buoyant member including a body portion having when resting on the water its dimension in every horizontal direction greater than the vertical dimension thereof, said member also including tapering horns forming horizontal extensions of said body portion and adapted to fit around the wearer's neck, and means, connected to the tips of the horns, for securing the appliance to the wearer with his neck received between the horns, said means having flexible portions adjacent to the horns and permitting said member to freely shift up and down on said portions and said member constituting all of the appliance that is buoyant.

1,517,470. AIR-FEED LOCK FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 5, 1922. Serial No. 558,778. 7 Claims. (Cl. 121-9.)



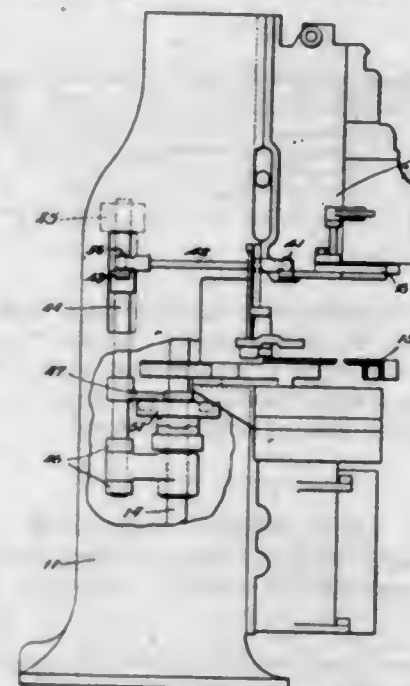
1. In a fluid actuated rock drill, the combination of a cylinder, a fluid actuated feeding element having relatively movable members, one being connected to said cylinder, and the other being stationary, and inter-engaging means for preventing movement of the feeding element members, comprising three members, two of said members being in constant engagement with the third member, and means for positively locking said three members together.

1,517,471. RIVET-SETTING MACHINE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed June 16, 1921. Serial No. 477,968. 3 Claims. (Cl. 218-2.)



2. In a rivet setting machine, a frame having an arm, a work supporting post carried by the arm, a second arm on the frame extending over the first arm and having an attaching portion on its end face, and a rivet supplying and setting unit having an attaching portion interengageable with the attaching portion of the second arm, one of the attaching portions comprising a vertical groove and intersecting horizontal grooves, and the other attaching portion comprising ribs in cruciform arrangement.

1,517,472. APPARATUS FOR APPLYING CAN ENDS TO CAN BODIES. SWAN N. TEVANDER, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 24, 1920. Serial No. 383,635. 12 Claims. (Cl. 113-1.)

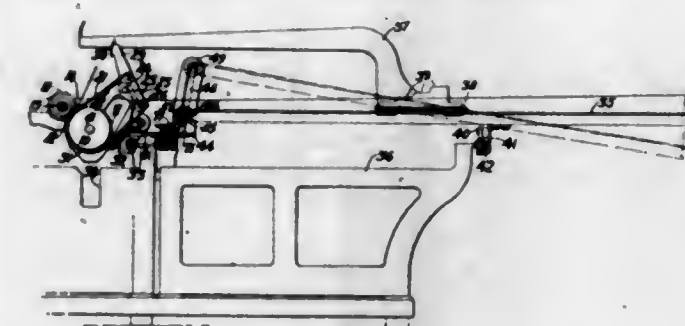


1. In an apparatus for applying can ends to can bodies, conjointly movable members mutually swingable towards and from each other in the same horizontal plane for embracing the can body and bringing it to true circular formation and in position to receive a can end, and means for holding said members from vertical movement.

1,517,473. PROCESS FOR THE SEASONING OF WOOD. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Oct. 24, 1923. Serial No. 670,440. 1 Claim. (Cl. 34-24.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

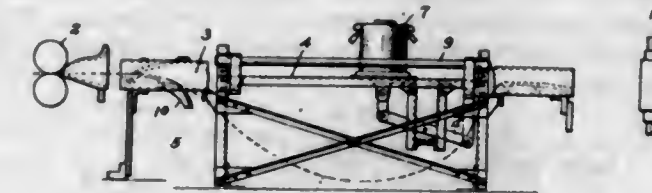
The herein described process for the seasoning of wood, consisting of coating the wood to be dried with a moisture-retardant coating and then exposing said wood to a drying atmosphere.

1,517,474. TYPEWRITING MACHINE. OTTO THIEME, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1922. Serial No. 586,074. 14 Claims. (Cl. 197-126.)



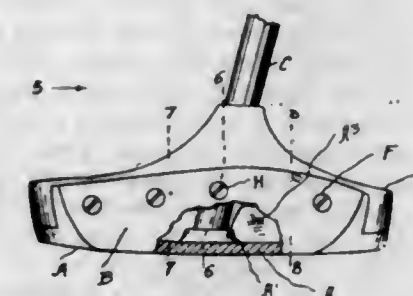
1. The combination with a typewriter machine having a platen, of a table at the rear of the machine over which a continuous work-sheet may be fed to the platen, a standard on which the table is pivotally mounted to permit the forward end thereof to be swung up and down, and a guideway on the machine in which the forward end of the table is held when the table is swung on its pivot.

1,517,475. LOOPER FOR ROLLING MILLS. CHARLES L. TURLEY, Woodlawn, Pa. Filed Apr. 27, 1923. Serial No. 634,977. 3 Claims. (Cl. 80-51.)



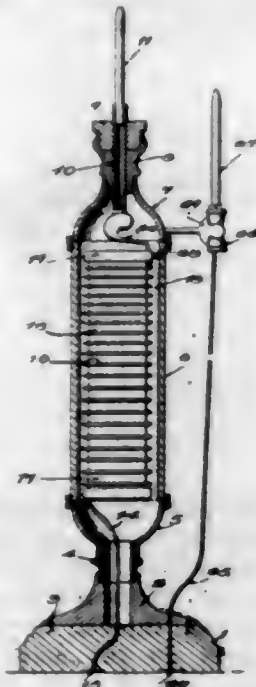
3. In a looper for a rolling mill a trough with a gap in its bottom extending above a loop-receiving space, the section of the trough adjacent the gap to rearward being pivoted for lateral swing, the section forward of the gap being curved in upwardly and rearwardly convex curvature.

1,517,476. GOLF PUTTER. RALPH G. TYLER, Muncie, Ind. Filed Mar. 22, 1922. Serial No. 545,663. 4 Claims. (Cl. 46-4.)



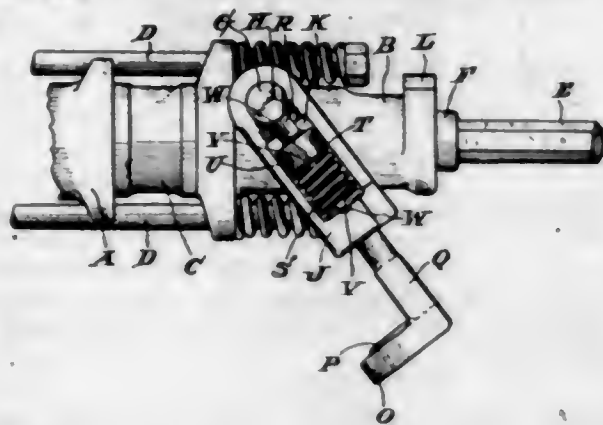
3. A putter, comprising a metal sole and ankle having a boss substantially central of the sole and in which the shaft is secured, there being a weight formed integral with the sole, at a point distant from the ankle and slightly at the rear of said boss, and a wooden head secured to the sole and ankle to cover said weighted portions and in which head the lower portion of the shaft is retained.

1,517,477. CIGAR LIGHTER. THOMAS WHITE, Detroit, Mich. Filed Mar. 10, 1922. Serial No. 542,569. 3 Claims. (Cl. 175-296.)



1. In an apparatus of the class described, an electrode, a coil therefor, a support for housing the coil and rigidly holding the electrode, a co-operating electrode and means for supporting the co-operating electrode when not in use.

1,517,478. STEEL RETAINER. RUSSELL H. WILHELM, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 28, 1923. Serial No. 683,142. 4 Claims. (Cl. 121-32.)

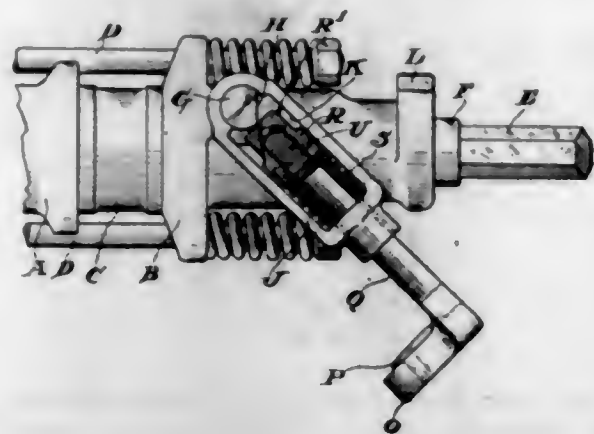


1. A retainer for fluid actuated percussive machines comprising the combination with the front end portion of a machine of a collared working implement adapted to extend into said front end portion, trunnions on opposite sides of said front end portion having a flattened portion, said trunnions being in a plane offset from the central plane of the machine, side arms pivotally connected to said trunnions, a yoke adapted to embrace said implement, arms connected to said yoke at opposite sides thereof and extending at substantially right angles therefrom, and spring means for cushioning the outward movement of said yoke adapted to force one end of said yoke arms against the flattened portions on said trunnions to hold said yoke in operative retaining position.

1,517,479. STEEL RETAINER. RUSSELL H. WILHELM, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 18, 1924. Serial No. 693,641. 4 Claims. (Cl. 121-32.)

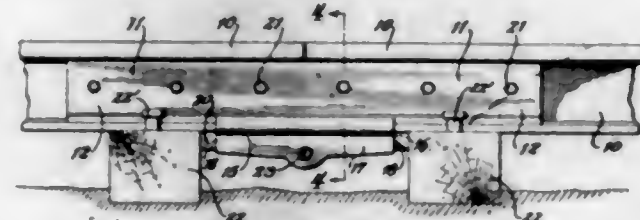
1. A retainer for fluid actuated percussive machines comprising the combination with the front end portion of a machine of a collared working implement adapted to

extend into said front end portion, trunnions on opposite sides of said front end portions having a flattened portion, said trunnions being in a plane offset from the central plane of the machine, side arms pivotally connected to said trunnions, a yoke adapted to embrace said implement, arms connected to said yoke at opposite sides



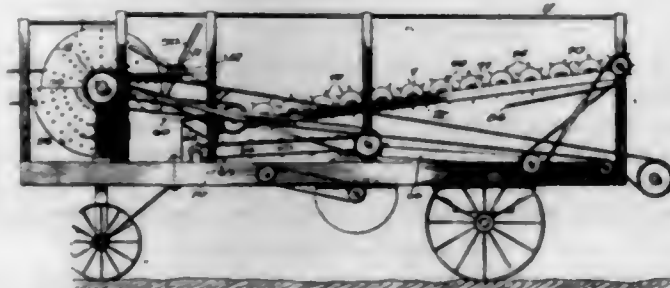
thereof and extending at substantially right angles therefrom, a bearing member connected to one end of each of said arms, and spring means for cushioning the outward movement of said yoke and adapted to force one end of said bearing member against the flattened portions of said trunnions to hold said yoke in operative retaining position.

1,517,480. RAIL JOINT. WILLIAM G. WILSON, West New Brighton, N. Y. Filed June 2, 1924. Serial No. 717,362. 3 Claims. (Cl. 238-191.)



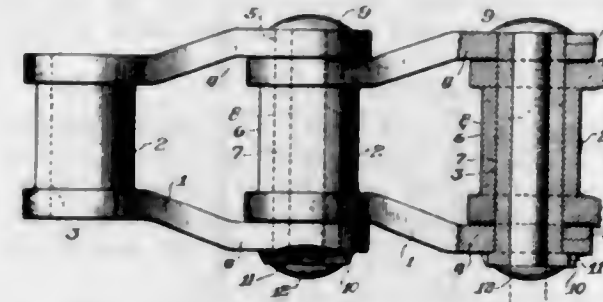
3. The combination with the meeting ends of a pair of rails, supporting ties therefor, means for connecting the ends of said rails together, and means for moving said rails into closer contact with said ties upon the creeping of said rails in either direction.

1,517,481. THRASHING MACHINE. HENRY E. WOHLGEMUTH, Durham, Kans. Filed June 6, 1923. Serial No. 643,801. 4 Claims. (Cl. 130-27.)



1. In a thrashing machine, a disk arranged to rotate in a vertical plane about its horizontal axis and having a plurality of laterally projecting teeth and a coacting breast having laterally projecting teeth cooperable with the teeth of the disk, and a beater cooperable with the disk and including beater blades provided with a plurality of inclined notches.

1,517,482. PINTLE-LINK CHAIN. DONALD H. YOUNG, Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 31, 1923. Serial No. 671,821. 4 Claims. (Cl. 74-32.)



1. In lap link chains, the combination of a plurality of links having their ends overlapped and perforated to receive a pintle, and a composite pintle comprising a tubular part extending through all of the overlapped members and having a head for arresting it in one direction, and a rivet extending through said tubular part and having a head overlying the inserted end of the tubular part and a portion of the surrounding link member, and also headed against the head of the tubular part.

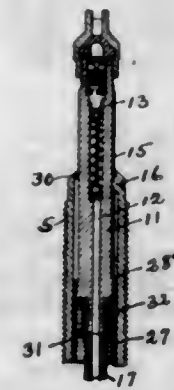
1,517,483. FIREARM. FRANKLIN K. YOUNG, Winthrop, Mass., assignor to Young Gun Company, Dover, Del., a Corporation of Delaware. Filed June 9, 1921. Serial No. 476,171. 24 Claims. (Cl. 42-3.)



1. In a firearm, a slidable and rotatable sleeve, a cam path in said sleeve, a firing pin passing through said sleeve and carried thereby, a retractor arm, a plug carried by the retractor arm and engaging with the cam path in the sleeve, whereby said sleeve is rotated during the movement of the retractor arm and locking means with which said sleeve is brought into engagement by its rotation, said plug being transversely apertured for the passage of the firing pin.

15. In a firearm, a slidable and rotatable sleeve, a slidable and partially hollow inertia member, a retractor arm, and a plug passing transversely through the sleeve and the inertia member and connected to the retractor arm.

1,517,484. PRESSURE GAUGE FOR PNEUMATIC TIRES. ALFRED BADOWSKI, Charleston, W. Va., assignor to Tirometer Valve Corporation of America, Charleston, W. Va., a Corporation of West Virginia. Filed July 15, 1921. Serial No. 484,857. 3 Claims. (Cl. 152-11.5.)



3. In a pressure gauge for pneumatic tires, the combination with a stem adapted to be connected to a tire tube of a valved plunger in the stem connected to

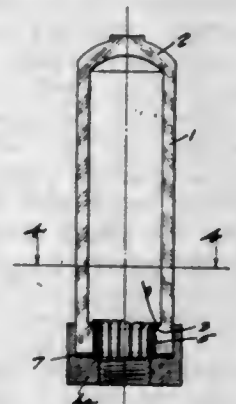
and responsive to pressure within a tire, said plunger having a threaded lower end, the peaks of the threads having a greater diameter than the plunger; a spring extending over the end of the plunger and secured to said threads, said spring having a diameter greater than the plunger and forming a shoulder; and a stop on the stem adapted to engage the shoulder.

1,517,485. TIRE-STEM PRESSURE GAUGE. ALFRED BADOWSKI, Charleston, W. Va., assignor to Tirometer Valve Corporation of America, Charleston, W. Va., a Corporation of West Virginia. Filed Oct. 19, 1921. Serial No. 508,730. 2 Claims. (Cl. 152-11.5.)



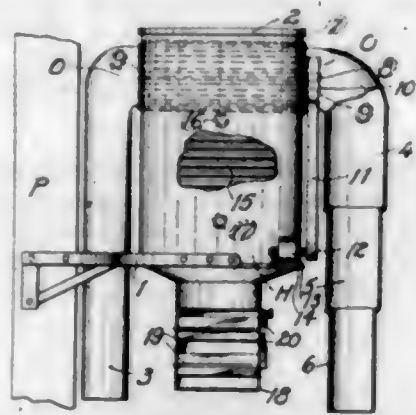
1. In a tire stem pressure gauge, the combination with a sleeve; a plunger in the sleeve indicating by its movement the pressure in the sleeve, said plunger being provided with an inflation passage to which leads a screw-threaded opening terminating in a socket; a rubber tube forming an extensible means of communication from the plunger to a stationary part of the sleeve; a hollow screw having a head arranged in the tube and clamping the tube against the walls of the socket; of a flange nut screwed on to the plunger and extending over the end of the screw and clamping the tube against the screw.

1,517,486. TRANSPARENT CAP FOR TIRE-STEM PRESSURE GAUGES. ALFRED BADOWSKI, Charleston, W. Va., assignor to Tirometer Valve Corporation of America, Charleston, W. Va., a Corporation of West Virginia. Filed Oct. 19, 1921. Serial No. 508,734. 2 Claims. (Cl. 152-12.)



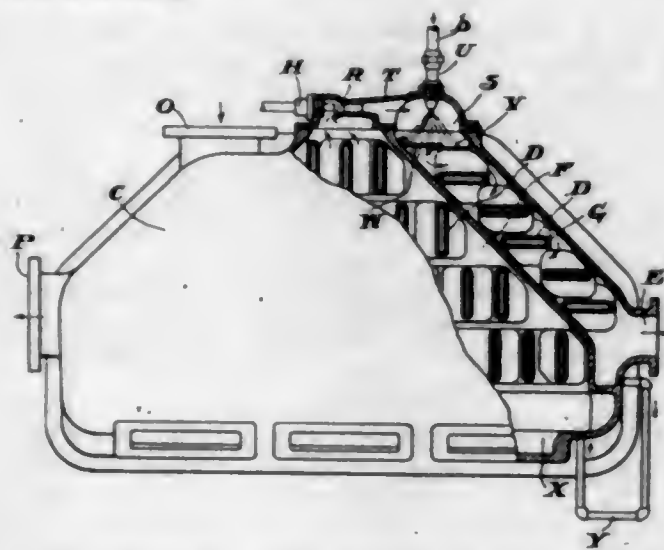
2. A transparent cap for tire stem pressure gauges comprising a transparent tube provided with a closure at its outer end and open at the inner end, said tube having an internal shoulder at its inner end; and a metal base having a wall extending around the tube at its inner end and upwardly extending projections of material permitting the bending of the upper ends of the projections over the shoulder on the tube.

1,517,487. AIR HEATER. HENRY BAETZ, St. Louis, Mo. Filed May 1, 1923. Serial No. 635,912. Renewed Oct. 22, 1924. 2 Claims. (Cl. 257-137.)



2. In an air heater having an air intake opening at the top and an air discharge opening at the bottom, an outlet pipe connected to the outlet opening, a heating element between the intake and outlet openings, said outlet pipe having a plurality of air deflectors, said deflectors being connected on the outside of the pipe, and means for locking said deflectors in any desired position within suitable limits.

1,517,488. AUGMENTER COOLER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 10, 1923. Serial No. 631,107. 3 Claims. (Cl. 257-24.)

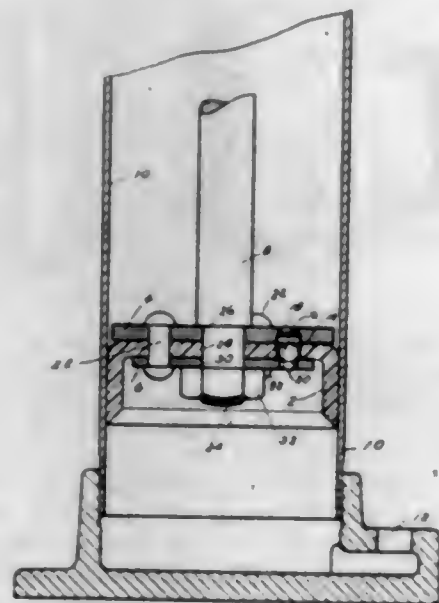


1. An augmenter cooler adapted to be connected to a condenser for devaporizing and cooling a flowing mixture of condensable vapor and gas, comprising a devaporizer and an intercooler forming a part thereof, both having multiple cooling surfaces, an augmenter ejector operatively connected between the discharge outlet of the devaporizer and the inlet to the intercooler for increasing the absolute pressure of said mixture, means for spraying water into the inlet of said intercooler to condense the steam from the augmenter ejector, and an evacuator connected to the outlet of said intercooler.

1,517,489. PUMP PISTON. LEON J. BARWOOD, Allston, Mass. Filed June 30, 1924. Serial No. 723,273. 3 Claims. (Cl. 103-225.)

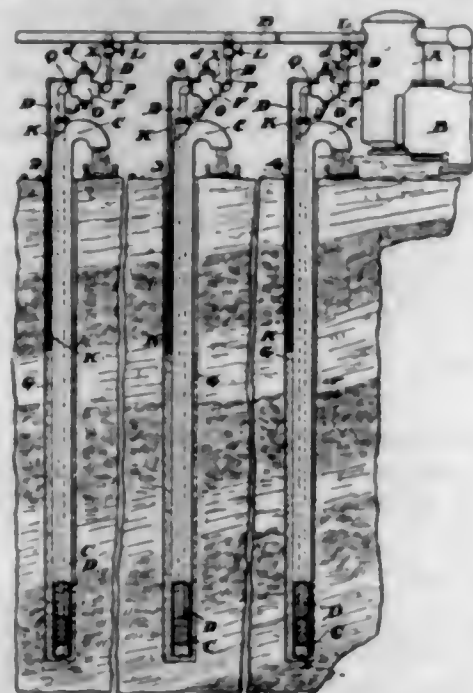
1. A pump piston comprising two plates and a cup-shaped member having a bottom disposed between the plates, the bottom of the cup and the plates being secured together in face-to-face contact, and each provided with an opening, the openings being in alignment, and a ball freely mounted in the opening of the cup-shaped member so as to move freely towards and from the openings in the plates, the opening in one of the plates

being substantially circular, with its diameter smaller than the diameter of the ball, and the opening in the other plate being elongated, with its smaller dimensions smaller than the said diameter and its longer dimension



greater than the said diameter, whereby the ball is adapted to close the circular opening and not to close the elongated opening, the ball being imprisoned in the opening of the cup-shaped member by the plates.

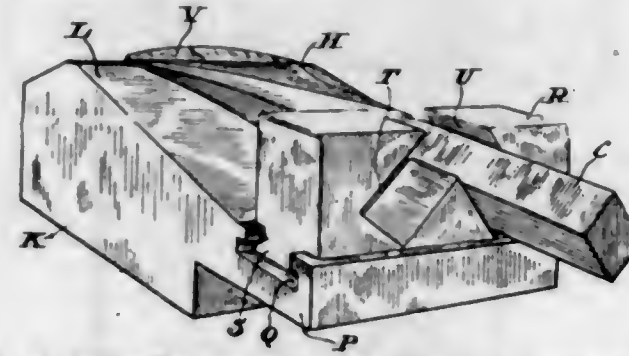
1,517,490. REGULATOR FOR AIR-LIFT PUMPS. LEWIS C. BAYLES, Easton, Pa., and HERBERT T. ABRAMS, Orange, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 24, 1923. Serial No. 620,900. 6 Claims. (Cl. 103-11.)



1. In an air lift pump for wells, the combination of an eduction pipe extending into the well, a fluid pressure supply pipe extending to the lower submerged end of the eduction pipe, and an automatic regulator adapted to be inserted in the said fluid pressure supply pipe at a point above the ground, said regulator comprising a valve casing, a constantly open valve in said casing, a fluid tight regulator chamber, a fluid pressure responsive device in said chamber operatively connected to move said valve to more fully open position, opposing means exerting a force tending to move the valve to its normal partially closed position, and a regulator pipe connected at one end to supply pressure to said chamber and fluid

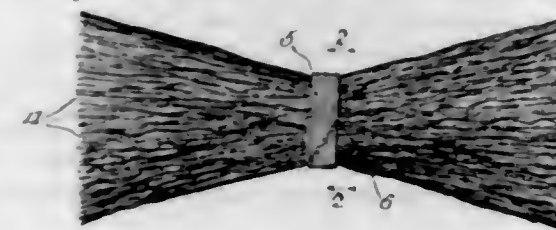
pressure responsive device and extending down into the well a sufficient distance to enable the lower end of the pipe to be submerged to a greater or less extent, whereby variations of pressure for actuating the valve are created in the said regulator pipe and in the regulator chamber of the fluid pressure responsive device in accordance with changes of the level of the liquid in the well.

1,517,491. FORMING TOOL FOR CHANNELER BITS. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 24, 1924. Serial No. 688,175. 5 Claims. (Cl. 76-95.)



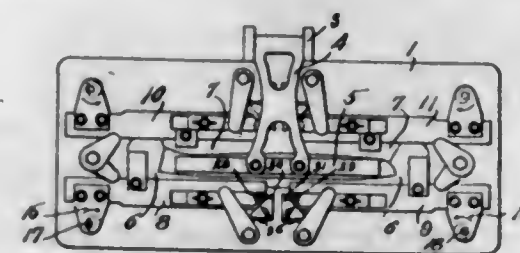
1. A device for forming channeler bits, comprising a pair of swaging dies adapted to reciprocate toward and away from each other, the opposing faces of said dies being angularly disposed with respect to each other, and means for holding the bit against rotation only, while in position between the dies, whereby free lateral and vertical movement thereof is permitted.

1,517,492. BRUSH. GUSTAF V. BRANNSTROM and VERNER J. CARLSON, Chicago, Ill. Filed Apr. 16, 1924. Serial No. 706,819. 2 Claims. (Cl. 15-159.)



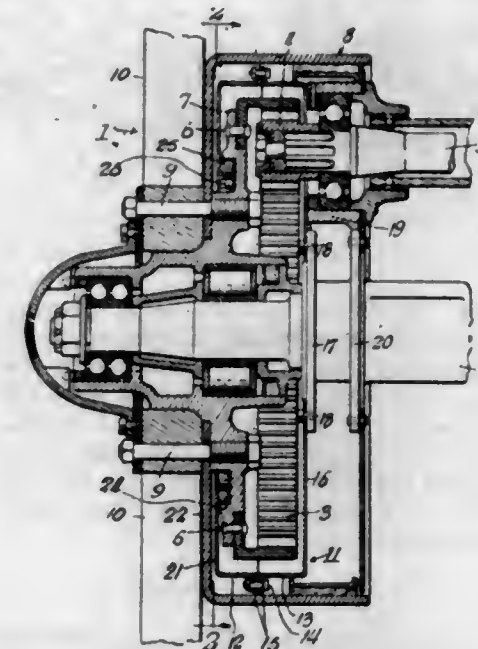
1. A brush consisting of a plurality of elongated members substantially equal in length, said members being crinkled and located side by side and formed into a cross-sectionally circular body, and a wire coiled around the middle portion of said body, said coil having its ends twisted together and disposed diametrically with respect to the coil and imbedded in the said members on one side thereof.

1,517,493. CONTROLLING DEVICE FOR FOLDER BARS. SANFORD L. CLUETT, Troy, N. Y., assignor to Cluett, Peabody & Co. Inc., Troy, N. Y., a Corporation of New York. Original application filed Oct. 21, 1921, Serial No. 509,383. Patent No. 1,446,156, dated Feb. 20, 1923. Divided and this application filed Jan. 12, 1923. Serial No. 612,205. 13 Claims. (Cl. 223-55.)



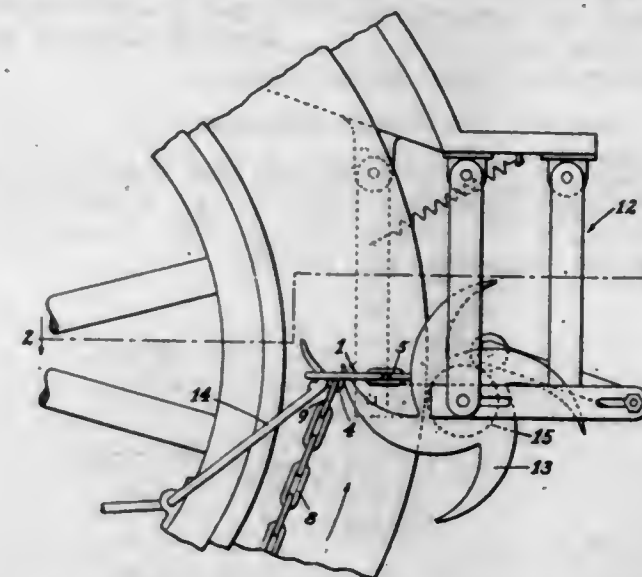
1. A folding machine comprising a folder block, means for imparting movement to one end of said block in a predetermined path, and normally fixed cam means for guiding the opposite end of the block for movement in a path of different configuration.

1,517,494. GEAR CASING FOR MOTOR-VEHICLE WHEELS. JOHN COAPMAN, Detroit, Mich., assignor to Russel Motor Axle Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 13, 1920. Serial No. 423,808. 12 Claims. (Cl. 74-7.)



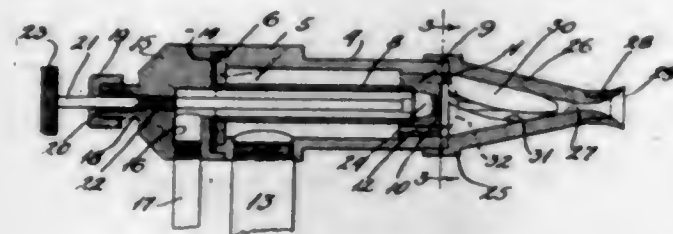
1. The combination with the dead axle of a motor vehicle and wheel thereon, of a lubricant retaining casing located adjacent the inside of said wheel, said axle extending through said casing, said wheel having a hub provided with a radial flange extending into said casing, the latter made in two annular sections secured together at their meeting edges, with the inner section secured to said axle to the rear of said flange and the outer section having its side wall in front of said flange, a ring of packing material set in the outer face of said flange and in contact with the side wall of the outer section, said wall having an intumed flange extending under and engaging said ring for holding the same in said flange, and power transmitting means in said casing for turning said wheel.

1,517,495. LINK FOR NONSKID CHAINS. SIMON M. CRADDOCK, San Pedro, Calif., assignor to Automatic Non-Skid Chain Company, County of Los Angeles, Calif., a Corporation of California. Filed July 30, 1923. Serial No. 654,720. 4 Claims. (Cl. 152-14.)



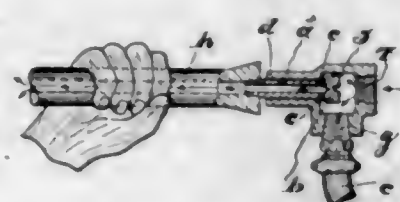
1. A link of the character as disclosed formed with an eye for an end link of a longitudinal chain member of a non-skid chain, an eye for an end link of a transverse connecting chain member, of a non-skid chain, and means to be engaged by a tooth of a toothed wheel and a hook of a mechanism for applying a non-skid chain to a wheel or for removing said chain from said wheel.

1,517,496. CRUDE-OIL BURNER. JOHN FRED DEE and JOHN T. WHITLOCK, Chicago, Ill. Filed Mar. 17, 1923. Serial No. 625,712. 8 Claims. (Cl. 158—76.)



1. A crude oil burner comprising a housing, a disk closing one end of said housing, a plug closing the other end of the housing and having a valve seat and an air passage therein, a tube connecting said disk and plug, a valve stem projecting into said tube, a valve on said stem adapted to contact with said plug valve seat to control the flow of oil, a nozzle secured on the end of said housing, and a carburetor plug in said nozzle having grooves and passages therein.

1,517,497. BLOWGUN FOR DRILL SHARPENERS. JESSE DITSON, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,735. 1 Claim. (Cl. 76—5.)



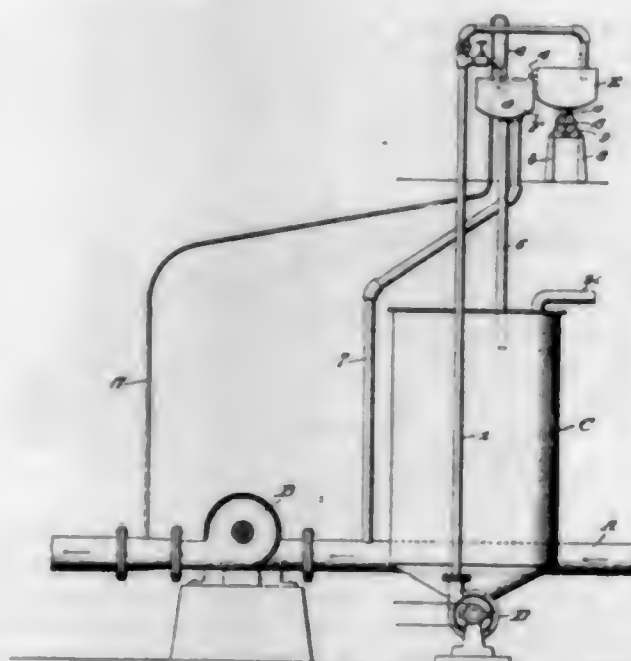
A blow gun for fluid actuated drill sharpeners, adapted to be mounted on the outside of the frame of the machine and in constant communication with the source of pressure fluid of the machine through internal passages located wholly within the machine, said blow gun comprising a casing having a rearward opening for connection to the machine frame, a reduced guide neck at the opposite end, and a nozzle slidable in the guide neck and having an enlarged head located in the central cavity of the casing subjected to the pressure fluid in the casing, said nozzle having ports controlled by the longitudinal movement of the nozzle.

1,517,498. FASTENING MEANS FOR COLLAPSIBLE BUILDING CONSTRUCTIONS. ALAN R. FERGUSON, Buffalo, N. Y. Filed Aug. 6, 1921. Serial No. 490,330. 5 Claims. (Cl. 46—35.)



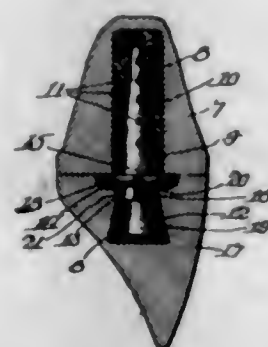
1. Fastening means for collapsible building constructions comprising a fastening member formed with looped return bends, and a fastening pin passing longitudinally through each of the loops.

1,517,499. JUICE-LIMING APPARATUS. CHARLES J. FLEENER, Waipahu, Territory of Hawaii, assignor of one-third to Ernest W. Greene and one-third to W. Richardson, both of Waipahu, Oahu, Territory of Hawaii. Filed June 20, 1923. Serial No. 648,542. 10 Claims. (Cl. 127—11.)



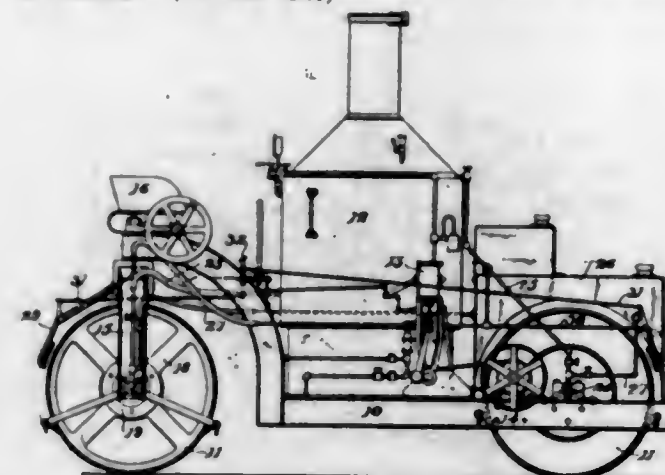
1. An apparatus of the class described comprising, in combination with a conduit for raw juices, a reservoir adapted to contain a neutralizing agent for said juices, a receiver communicating with said conduit, a tank mounted adjacent said receiver and in communication therewith, means for constantly passing a supply of said agent from the reservoir to the tank, and means whereby movement of said tank bodily with respect to said receiver will vary the supply of neutralizing agent passing from the former to the latter, substantially as described.

1,517,500. ARTIFICIAL CROWN FOR TEETH AND SECURING MEANS THEREFOR. ENOCH M. FREDERICKS, Chicago, Ill. Filed Jan. 5, 1924. Serial No. 684,518. 3 Claims. (Cl. 32—9.)



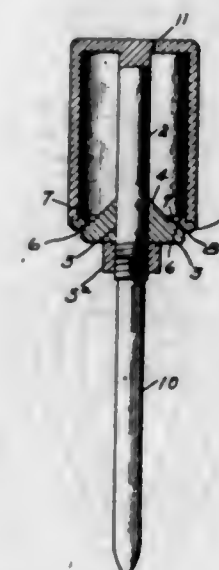
1. As an article of manufacture, an artificial tooth crown having a post-receiving cavity therein, said cavity terminating at its outer end in a recess or chamber, and a metallic shell located in said cavity and having at its outer end an external flange overlying and engaging the wall of said recess.

1,517,501. PAVING ROLLER. FRED E. GREENE, Oakland, Calif. Filed Aug. 30, 1922. Serial No. 585,250. 2 Claims. (Cl. 94—50.)



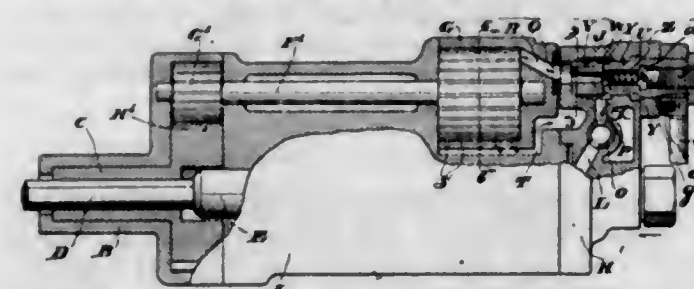
1. A paving roller comprising a frame, an axle fixed thereon, a roller journaled on the axle, said axle having a bent portion disposed within the roller, a fire-box carried on one portion of the axle, an oil burner within the fire-box and connections for the oil burner leading through one end of the axle.

1,517,502. COMPOUND DISTRIBUTOR. LEONARD GRISOM and JOSEPH H. JONES, Indianapolis, Ind. Filed Nov. 30, 1923. Serial No. 677,625. 5 Claims. (Cl. 221—61.)



5. In a compound distributor, a hollow body portion, a head for closing one end of the body portion, said head having a plurality of discharge openings, and a shank connected with said head adapted to guide said head into engagement with a valve seat.

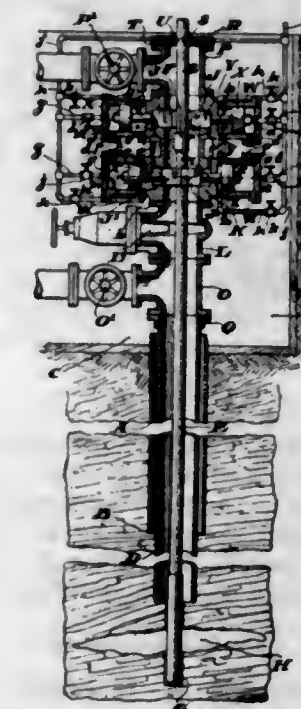
1,517,503. REGULATING VALVE FOR ROTATION MOTORS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 12, 1921. Serial No. 514,816. 4 Claims. (Cl. 137—153.)



1. In a fluid actuated rock drill of the hammer type, the combination of a rotation motor and a valve for automatically regulating the supply of fluid to said motor, said valve comprising a unitary casing rotatable

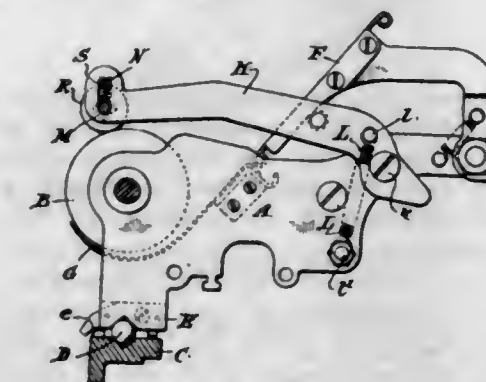
in a supply conduit leading to the motor and itself controlling the normal supply of fluid to the motor, an automatic regulating valve within the said casing adapted to control additional air to the motor as required, and manual means for rotatably adjusting the casing in the said conduit to control the flow of motive fluid to the motor without moving said casing longitudinally, including means for automatically locking the valve casing in different adjusted rotative positions.

1,517,504. DRILL-ROD PACKING. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 14, 1923. Serial No. 662,748. 7 Claims. (Cl. 166—15.)



1. In combination with a well casing and a drill rod composed of portions of different diameter, oppositely acting pairs of reciprocating members having grooves adapted to alternately embrace a portion of the drill rod of smaller diameter, and fluid pressure operated means for normally maintaining one pair of packing members in engagement with the drill rod and permitting movement of a portion of the drill rod of larger diameter past said engaging pair of packing members and acting to restore said members to normal position as said portion of the drill rod of larger diameter passes out of engagement with said members.

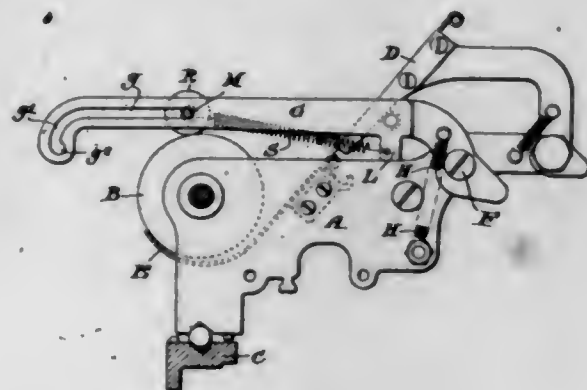
1,517,505. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,797. 7 Claims. (Cl. 197—138.)



1. In a typewriting machine, the combination with the platen of upper pressure rolls, a rod on which the rolls are mounted, arms pivoted in rear of the platen and

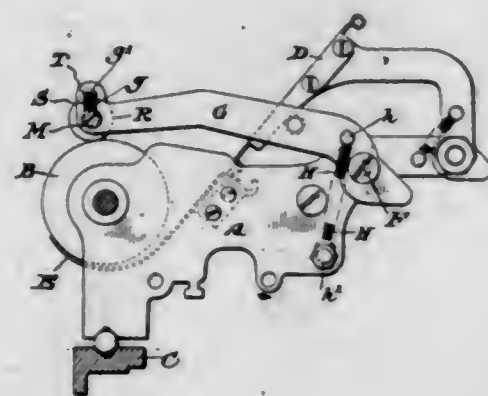
having elongated guides in their front ends in which the ends of the rod are mounted, and devices acting upon the rod for yieldingly moving said rod with the rolls towards the platen.

1,517,506. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,798. 8 Claims. (Cl. 197-138.)



1. In a typewriting machine, the combination with the platen of a ball having side arms extending beyond the front of the platen and having horizontally arranged guides, a roll-carrying rod mounted in these guides and adapted to move therein towards and from the platen, and means for holding the rolls yieldingly on the platen.

1,517,507. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,799. 3 Claims. (Cl. 197-138.)

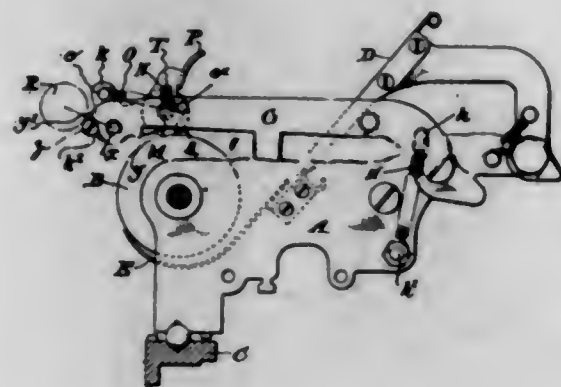


1. In a typewriting machine, the combination with the platen of arms pivotally mounted in rear of the platen, pressure rolls carried by the front ends of said arms, and bearing upon the platen, and adjustable means for shifting the pivotal axis about which the rear ends of the arms move.

1,517,508. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,800. 6 Claims. (Cl. 197-138.)

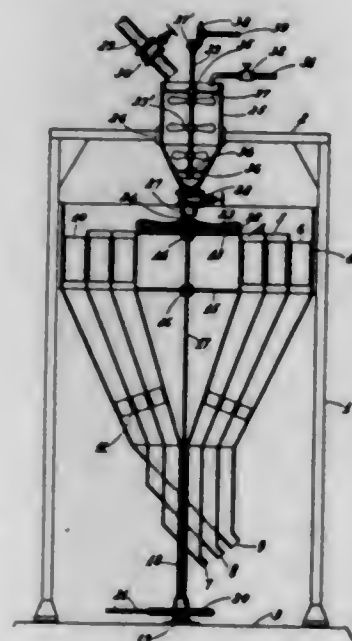
1. In a typewriting machine, the combination with the platen of frame arms pivotally mounted to move

about an axis in rear of the platen, a roll carrying rod located above the platen, links pivotally connected with



the front ends of the frame arms and which support the roll carrying rod, and yielding devices for pressing the roll carrying rod towards the platen.

1,517,509. APPARATUS FOR CLASSIFYING GRANULAR MATERIAL. MARTIN HOKANSON, Duluth, Minn. Filed Mar. 4, 1922. Serial No. 541,168. 15 Claims. (Cl. 83-54.)

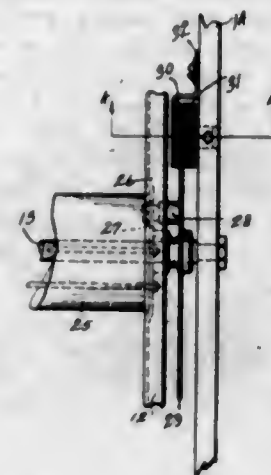


1. An apparatus for grading granular material according to the size of the particles composing the same, comprising a laterally extending distributing disc or table having its entire upper plain surface exposed and operative to retard sliding movement of said particles and to induce rolling action thereof, means for rotating the disc, and means for separately collecting the different sized particles discharged therefrom.

1,517,510. WARP LET-OFF FOR NARROW-WARE LOOMS. ELBRIDGE R. HOLMES and ALLAN S. HUTCHINS, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 29, 1922. Serial No. 557,385. 4 Claims. (Cl. 139-103.)

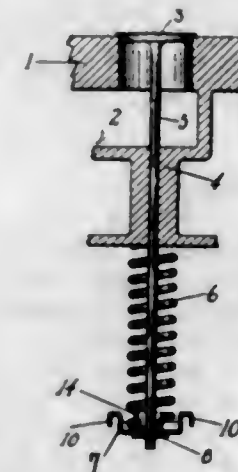
4. In a narrow ware loom, a plurality of headed warp spools, and a plurality of vertically extended supporting

bars on which said spools are rotatably mounted, said bars being pivoted to swing rearwardly about the upper



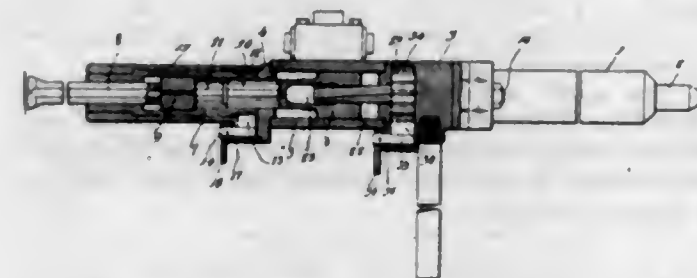
ends thereof and substantially in the plane of the spool heads and being detachably secured to the loom at their free lower ends.

1,517,511. VALVE-LIFTER WASHER. THOMAS S. HOWARTH, La Salle, Ill. Filed Apr. 14, 1924. Serial No. 706,461. 6 Claims. (Cl. 251-134.)



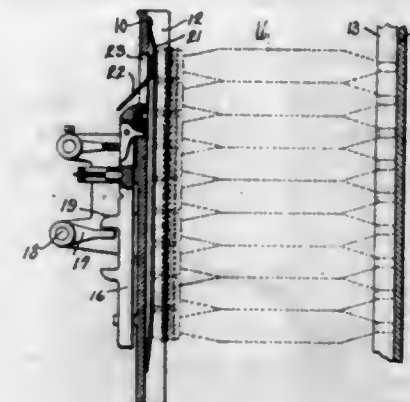
6. In a valve lifter washer, a cup shaped member, having a flared aperture and a plurality of suitably formed projections extending from but formed integral with said cup shaped member, in combination with means for moving said washer, said means comprising a lever having a forked end.

1,517,512. ROCK-DRILLING ENGINE. CHARLES A. HULQUIST, Los Angeles, Calif. Filed Jan. 3, 1921. Serial No. 434,515. 3 Claims. (Cl. 121-7.)



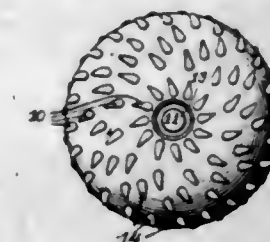
2. A rock drilling engine comprising a cylinder, a hammer reciprocating in the cylinder, a chuck mounted to rotate relative to the cylinder, means to prevent relative rotation between the hammer and chuck, releasable means to hold the chuck against rotation, a rifle member in rotating engagement with the hammer, a ring surrounding the rifle member and having a pawl and ratchet engagement therewith, and releasable means to hold the ring against rotation.

1,517,513. WEFT-REPLENISHING MECHANISM FOR LOOMS. JOHN E. HUME, Clinton, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Oct. 18, 1922. Serial No. 595,412. 3 Claims. (Cl. 139-245.)



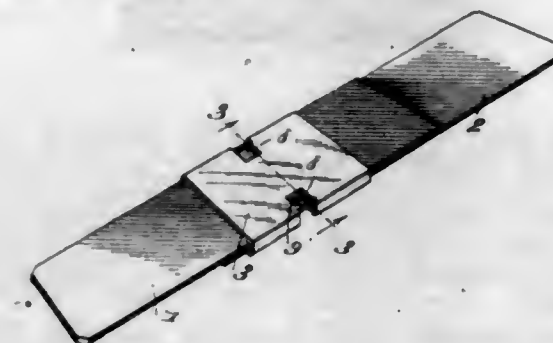
1. In a weft carrier magazine having a compartment adapted to contain a plurality of weft carriers, in combination, a friction member mounted at the end of said compartment and positioned to yieldingly engage the heads of the weft carriers and means to withdraw said member from engagement with said weft carriers upon indication of transfer.

1,517,514. GOLF BALL. JARVIS HUNT, Chicago, Ill. Filed Apr. 2, 1924. Serial No. 703,598. 4 Claims. (Cl. 46-4.)



4. A golf ball provided with a plurality of series of elongated stream line projections with their longitudinal axes extending between opposite poles of the ball and inclined to the meridian lines thereof, said series being of varying lengths and more numerous at the equator than near the poles, whereby said projections are distributed with substantial uniformity over the surface of the ball.

1,517,515. BOX STRAP SEAL. FRANCIS L. MCGARY, Hardinsburg, Ky. Filed Sept. 6, 1923. Serial No. 661,325. 2 Claims. (Cl. 24-23.)

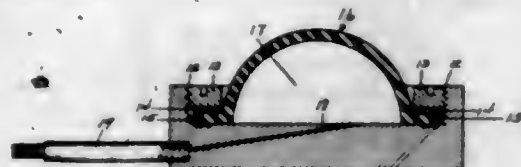


1. A strap seal comprising overlapped strap ends and a sleeve embracing said ends, said sleeve being provided with transverse slots extending inwardly of the opposite longitudinal edges of the sleeve, portions of the longitudinal edges of the strap ends where embraced by the sleeve being sheared from below and transversely of the sleeve to form lips, said lips being elevated above the plane of the sleeve and having their side edges in engagement with the side edges of the slot whereby the strap ends of the sleeve are locked rigidly together.

1,517,516. METHOD OF MAKING ARSENICAL SALTS. **STEWART JOSEPH LLOYD**, University, and **ABSALEM MASON KENNEDY**, Montgomery, Ala. Filed May 22, 1923. Serial No. 640,786. 11 Claims. (Cl. 204-9.)

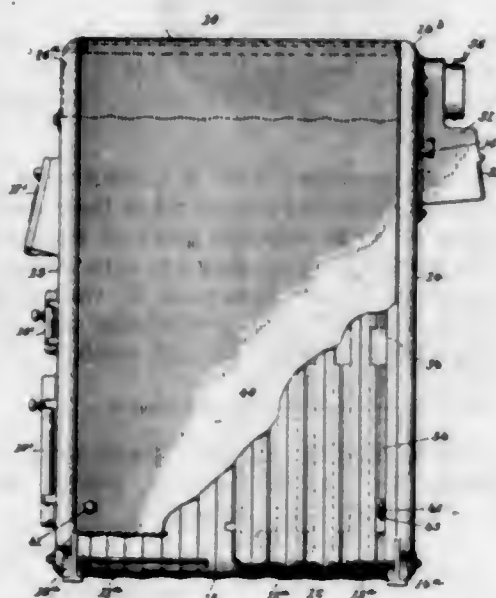
1. The method of making arsenical salts which consists in the oxidation of an arsenite to the arsenate form by electrolysis.

1,517,517. VULCANIZER. **ERNEST W. MELVIN**, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1922. Serial No. 582,890. 6 Claims. (Cl. 18-18.)



5. A secondary member for an inner tube repair vulcanizer comprising an inflatable spherical member adapted to be depressed to contact over a greater area of the tube, means adapted to engage said spherical member to fasten it to a base to form an air chamber, and a base provided with an aperture which is in communication with an air valve and said air chamber.

1,517,518. HEATING APPARATUS. **ANDRÉ M. MARTZANOFF**, New York, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed June 10, 1920. Serial No. 387,988. 28 Claims. (Cl. 237-18.)

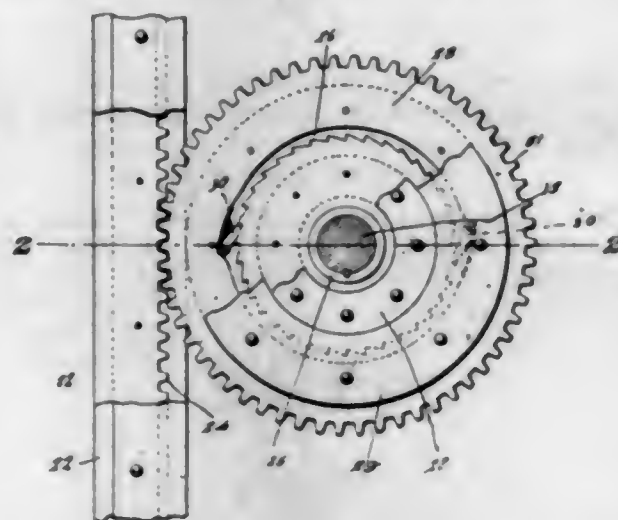


1. An apparatus of the character described, comprising a heat generating element and a heat emitting element; said heat emitting element having a vertically extended portion forming a chamber at a point removed from said heat generating element communicating directly with said heat emitting element, substantially as specified.

9. An apparatus of the character described, comprising a sectional heat generating element and a sectional heat emitting element, a front section for said apparatus constituting the front member of said heat generating element, a back section constituting the back member of said heat emitting element, and a combination section uniting said heat generating element with said heat emitting element; one side of said combination section constituting the back member of said heat generating element, and its other side constituting the front member of said heat emitting element, substantially as specified.

21. An apparatus of the character described comprising a heat generating element, a heat emitting element, a casing enclosing said heat generating and said heat emitting elements; said casing having an air inlet at its base and an outlet at its top, a smoke hood on said heat generating element communicating with the interior thereof, and a flue connected at one end to said smoke hood and having its other end extending horizontally rearwardly therefrom above the top of said heat emitting element, and in the path of the heated air currents passing upwardly through said heat emitting element, substantially as specified.

1,517,519. POWER-TRANSMISSION DEVICE. **JOHN STILLIANS**, Beaumont, Tex. Filed July 12, 1922. Serial No. 574,360. 1 Claim. (Cl. 74-14.)



In a power transmission device, a power shaft, a power wheel mounted on said shaft and including a hub portion and a ring gear having an intermittent grip device with the hub portion, a reciprocable power beam provided with a rack engaging the respective ring gear, bearing rings secured upon the sides of the hub portion, other bearing rings secured upon the sides of the ring gear and engaging said first named bearing rings for maintaining the concentric relation of the ring gear with respect to the hub, and plates on the sides of the power beam and engaging the last named bearing rings.

1,517,520. STIFFENING AGENT FOR FIBROUS MATERIALS. **CHARLES E. SWETT**, Boston, Mass., assignor of one-half to Harry H. Beckwith, Brookline, Mass. Filed Aug. 24, 1920. Serial No. 405,730. 5 Claims. (Cl. 91-68.)

1. A shoe stiffener consisting of a dry moldable material, capable of being softened by heat and moisture, comprising a fibrous fabric impregnated with a filling material including a resin and a water-soluble colloid in a homogeneous state of solid solution.

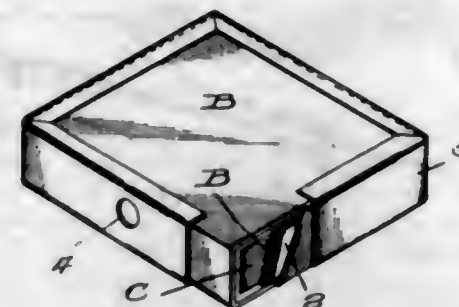
4. The herein described process, which comprises incorporating a water-soluble colloid in an aqueous solution containing rosin and ammonia, impregnating a fibrous sheet with such solution, and then removing the water therefrom.

1,517,521. METHOD FOR MAKING BOXES. **JOHN J. TYER**, Greensboro, N. C. Filed May 5, 1923. Serial No. 636,926. 6 Claims. (Cl. 229-6.)

2. A method of making telescoping boxes consisting in forming two closed hollow members, one snugly fitting within the other and then cutting through the side walls of said members.

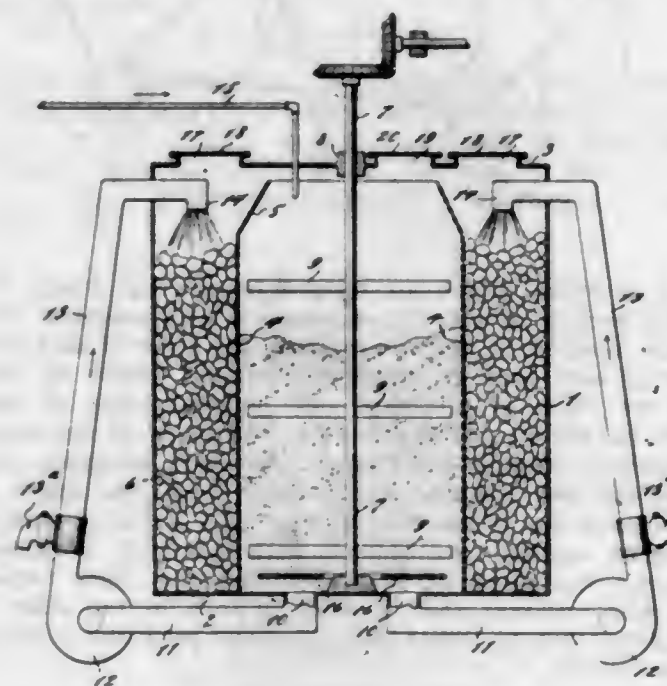
6. A method of making telescoping boxes consisting in providing a core of requisite dimensions, forming a closed hollow member about the core, applying an ad-

hesive strip for maintaining the parts of said hollow member assembled, then forming a second hollow member upon the first named hollow member, applying a second



adhesive strip to hold the parts of the second hollow member assembled, and then cutting through the walls of both of the hollow members to divide each of said hollow members into two parts.

1,517,522. PROCESS FOR PRODUCING LIME-SULPHUR COMPOUNDS. **WILLIAM H. VOLCK**, Watsonville, Calif. Filed June 13, 1922. Serial No. 568,063. 14 Claims. (Cl. 25-13.)



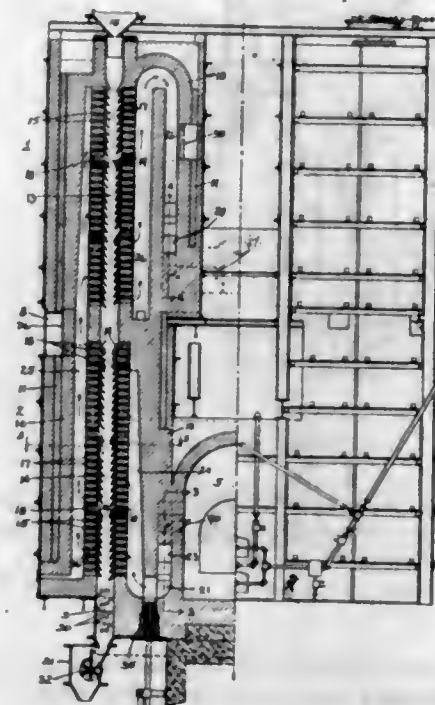
1. A process of producing lime-sulphur compound which consists in subjecting hydrated lime and sulphur to the action of hydrogen sulphide in the presence of water.

1,517,523. METHOD OF AND APPARATUS FOR ACTIVATING CHARCOAL. **ROBERT C. ALLEN**, Lakewood, Ohio, assignor to Henry L. Doherty & Company, New York, N. Y. Filed Mar. 3, 1921. Serial No. 449,303. 11 Claims. (Cl. 252-3.)

1. In a process of the character described, the step which consists in passing an activating medium transversely through a moving body of carbonaceous material.

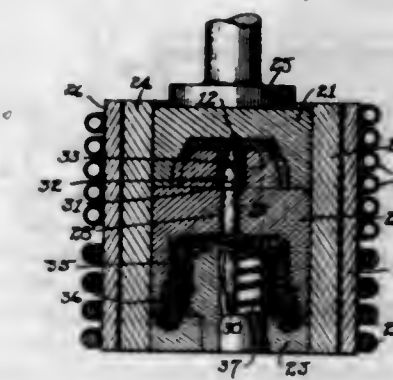
6. An apparatus of the character described, including pre-heating, activating and cooling chambers through which the material to be treated may be passed in suc-

cession, a combustion or distributing chamber connected with said activating chamber, a gas duct leading from the latter to said pre-heating chamber, and a steam-gen-



erating chamber connected to receive gases from said pre-heating chamber and to supply steam to said combustion chamber.

1,517,524. METHOD OF MAKING LAMP SOCKETS. **GEORGE ARRAS** and **DWIGHT E. WORRELL**, Chicago, Ill. Filed Dec. 31, 1920. Serial No. 434,207. 7 Claims. (Cl. 18-59.)

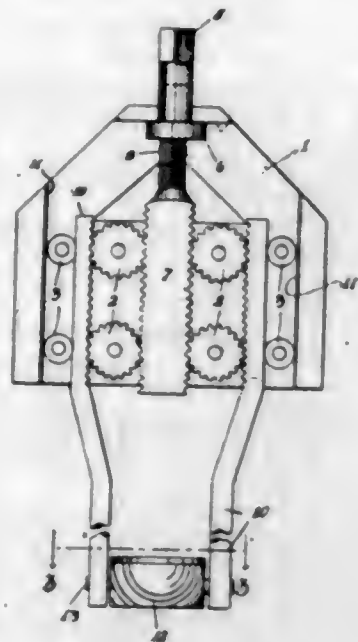


1. The method of making a multi-part moulded socket between co-operating die members for forming the socket parts at the same time, there being one more die member than the number of socket parts, which consists in introducing between the die members a measured quantity of insulating material which hardens when subject to heat and pressure, and in moulding into each of the socket parts thus formed a conductor which becomes a part of the socket thus formed.

1,517,525. VALVE-SEAT-REMOVING TOOL FOR PUMPS. **ISAAC L. AULT**, Comanche, Okla. Filed Jan. 29, 1924. Serial No. 689,312. 3 Claims. (Cl. 29-86.3.)

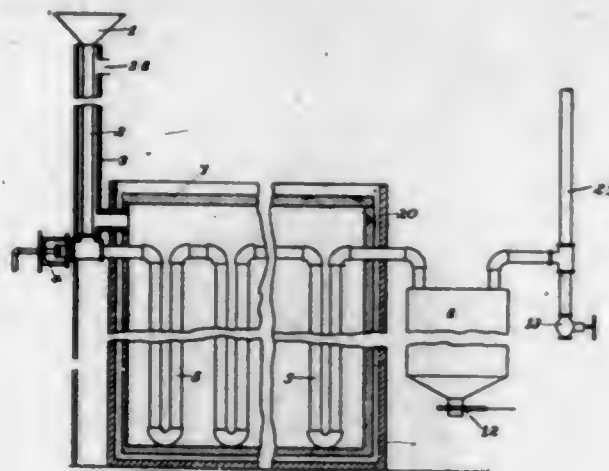
1. In a device of the nature set forth; a pair of toothed arms, the upper ends movably arranged in a casing; valve seat gripping members carried on the

lower ends of the arms; a toothed bar and pinion gears arranged to co-operate with the toothed arms; and a



sleeve upon the toothed bar for moving the bar to operate the arms and valve seat gripping members against a valve seat to remove the seat.

1,517,526. RAPID-REACTION FURNACE. OSCAR L. BARNEBY, Detroit, Mich. Filed Mar. 14, 1921. Serial No. 452,279. 10 Claims. (Cl. 23-3.)

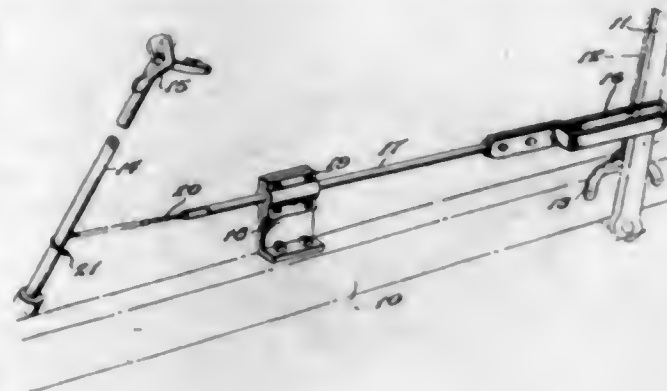


1. A furnace comprising a heating chamber, a conduit within said heating chamber having connected thereto a feed hopper and means for introducing gaseous, reactive fluid under pressure, another heating chamber, a reaction chamber within the latter heating chamber, communicating means between said conduit and said reaction chamber, and a separator for solids and gases communicating with said reaction chamber and adapted to receive the reaction products therefrom.

1,517,527. AUTOMATIC SPARK-RETARDING DEVICE. BERT E. BEARMAN, Fort Scott, Kans. Filed Apr. 3, 1923. Serial No. 629,728. 1 Claim. (Cl. 123-186.)

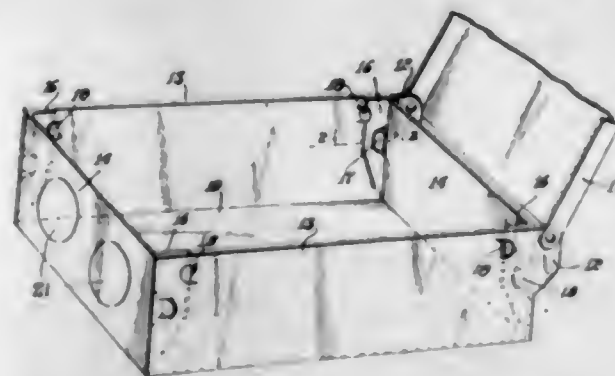
The combination with a motor vehicle having a manually rotatable spark control rod, and a hand lever controlling the vehicle transmission, of a retarding rod, a bearing slidably supporting the retarding rod, a flexible element connected to the retarding rod and to

the spark rod wrapped about the latter rod, and a yoke carried by the retarding rod to accommodate said hand lever therethrough whereby when the lever is shifted



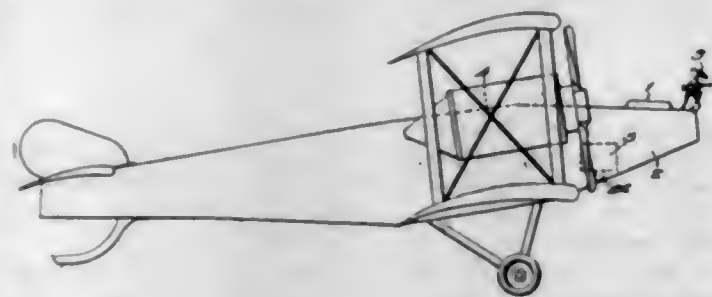
for rendering the transmission of the vehicle inactive, the retarding rod will be moved to rotate the spark rod toward spark retarded position.

1,517,528. METAL BOX-CORNER FASTENER. ALBERT E. BLACKMAN, New York, N. Y. Filed Apr. 23, 1921. Serial No. 464,018. 7 Claims. (Cl. 220-62.)



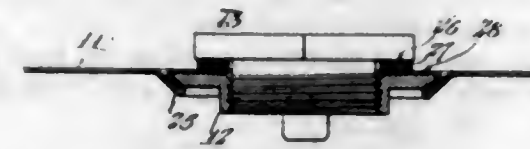
1. A folded metal box formed from a cut blank, the body portion of said blank provided with marginal portions adapted to be bent to form the sides of said box, corner ears bent at substantially right angles to each of the edges of alternate side portions, each of said ears having an opening therein, and pairs of oppositely extending tongues provided in the other alternate side portions and adapted to interlock with the edges of said ears, one member of each of said pairs of tongues making surface engagement with but not projecting beyond the plane of said ears, and the edges formed by said openings therein whereby each of the sides of said box may be locked in engagement with the adjacent side portion.

1,517,529. AERIAL PHOTOGRAPHY. ARTHUR H. BOETTCHER, Chicago, Ill. Filed Feb. 1, 1921. Serial No. 441,642. 8 Claims. (Cl. 33-46.)



1. In aerial photography, a camera, a sighting member, and means operatively connected with said sighting member for exposing said camera.

1,517,530. BUNG HOLE CONSTRUCTION FOR OIL BARRELS. WILLIS J. BOYLE and EDWARD W. ROE, Los Angeles, Calif. Filed Mar. 23, 1921. Serial No. 454,076. 4 Claims. (Cl. 220-39.)



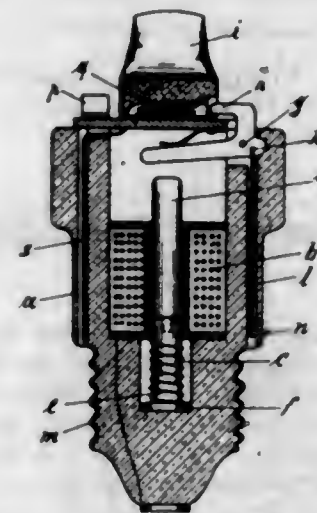
1. In a container having a wall formed of sheet metal, a bung hole construction comprising: an oval member having a flange formed thereon; a ridge of metal formed from the sheet metal of said wall and extending into the container, said ridge being so formed as to extend over said flange; and a ring formed from the sheet metal of said wall, said ring extending outside said flange and being in the same plane as the remainder of said wall.

1,517,531. CAR ROOF. RICHARD W. BURNETT, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,284. 6 Claims. (Cl. 108-54.)



4. A single-course car roof comprising a plurality of self-sustaining roof sheets whose adjacent marginal portions are formed into stiffening ribs of substantially L-shaped section that are disposed web to web and are positively secured together to form rigid weather-proofing seams.

1,517,532. AUTOMATIC INTERRUPTER FOR ELECTRIC CONDUITS. GEORG BÜSCHERBERGER, Frankfurt-on-the-Main, Germany, assignor to Leonhard Kahn, Frankfurt-on-the-Main, Germany. Filed Dec. 2, 1921. Serial No. 519,377. 9 Claims. (Cl. 200-106.)

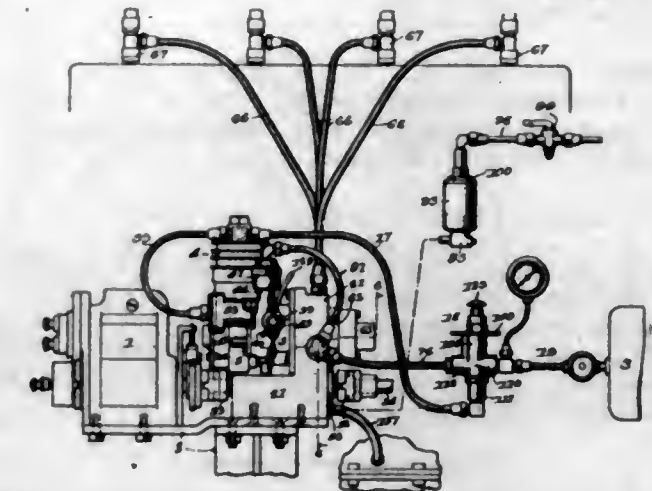


1. An automatic interrupter for an electric circuit, comprising a hollow screw plug for engagement in a fuse socket, an interrupter outside of said plug on the top thereof, an operating coil within the plug and mechanism extending from the outside to the inside of the plug and between the coil and interrupter to control the operation thereof.

1,517,533. STARTING APPARATUS FOR INTERNAL COMBUSTION ENGINES. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Mar. 19, 1921. Serial No. 453,798. 24 Claims. (Cl. 123-179.)

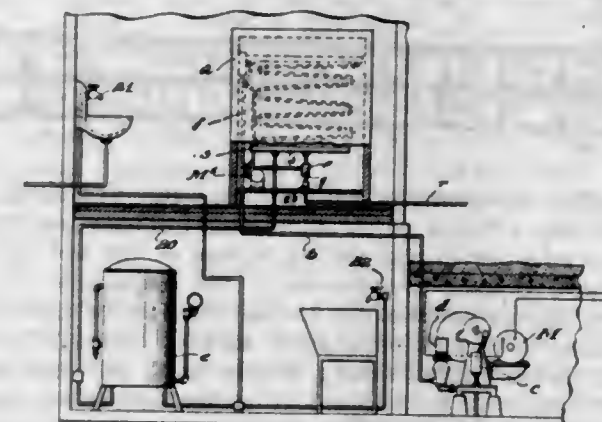
1. In starting apparatus for internal combustion engines, the combination of a valve case provided with a seat having a port for connection with an engine cylinder, a rotary and axially movable valve disk fitting

said seat and having a port adapted to register with the port in the seat, means tending to shift the valve disk out of contact with its seat, means for rotating the valve disk, and a chamber formed by the valve case



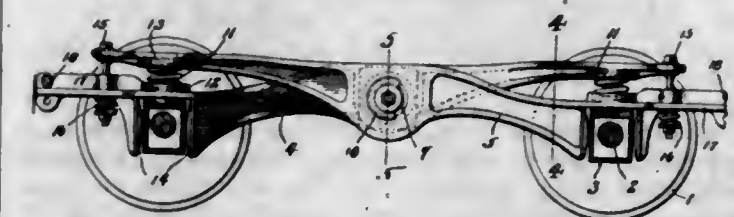
on the opposite side of the valve disk from its seat and having a fluid pressure supply connection, the valve disk being adapted to be shifted and held against its seat when fluid under pressure is admitted to said chamber.

1,517,534. REFRIGERATING APPARATUS. LLOYD GAOFF, COPEMAN, Belding, Mich., assignor to Edwin W. Atwood, Flint, Mich. Filed Jan. 14, 1922. Serial No. 529,114. 10 Claims. (Cl. 62-6.)



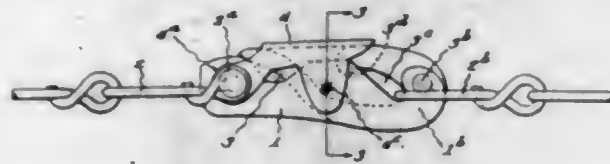
1. In refrigerating apparatus, the combination of a box provided with a preserving chamber and a condensing chamber, and a water line running in proximity to but avoiding substantial exposure on the interior of said preserving chamber and serving to cool the same and an exposed water line running through the condensing chamber and serving to condense the moisture in the air.

1,517,535. FOUR-WHEEL TRUCK. FREDERICK R. CORNWALL, St. Louis, Mo.; May Bushall Cornwall, executrix of said Frederick R. Cornwall, deceased, assignor, by mesne assignments, to May B. Cornwall, St. Louis, Mo. Filed Nov. 27, 1922. Serial No. 603,591. 21 Claims. (Cl. 105-194.)



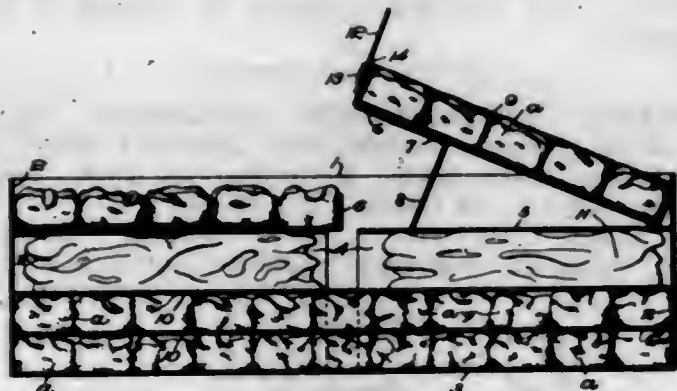
1. In a car truck, a pair of wheel pieces crossed in a vertical plane and pivoted together at their crossing point, each supported at both of its ends, and a bolster supported at one end by said pieces.

1,517,536. CHAIN-LINK CONNECTER. LOUIS D. CULL and HUGH T. HUGHES, Cleveland, Ohio, assignors to The Cleveland Chain & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1924. Serial No. 725,826. 9 Claims. (Cl. 24-241.)



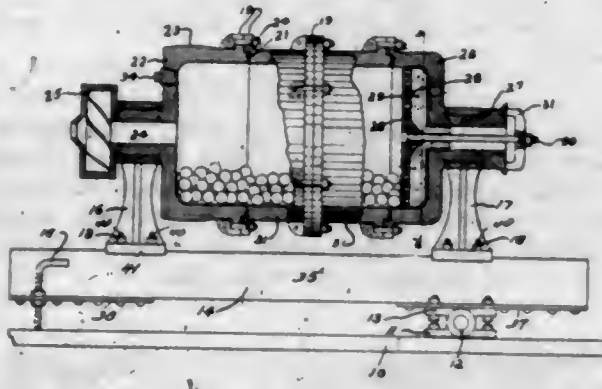
1. In a chain connector, a fulcrum link having a link receiving recess, a lever pivoted in proximity to the latter and foldable thereover and provided with a link receiving and transferring recess, and means including interlocking projections and recesses for retaining said lever when moved to a closed position.

1,517,537. PACKAGING AND DISPLAY BOX. FRED L. DAGGETT, Marion, Mass. Filed June 17, 1921. Serial No. 478,402. 3 Claims. (Cl. 206-44.)



1. The combination with a box for packaging and displaying articles of a channel-shaped member having flanges adapted to rest on the bottom of the box adjacent the sides thereof and having a web supported by said flanges in spaced relation to the top and bottom of the box, and said channel-shaped member being of length less than the corresponding dimension of said box whereby articles may be removed from the bottom of the box without disturbing the articles supported on said web.

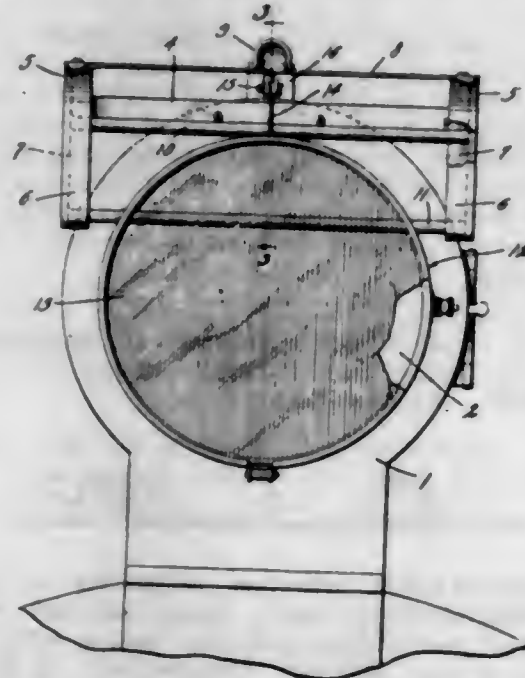
1,517,538. CRUSHING MILL. ARTHUR C. DAMAN, Denver, Colo. Filed July 22, 1922. Serial No. 576,807. 1 Claim. (Cl. 83-9.)



The combination with a crushing mill comprising a rotatably-mounted, substantially horizontally disposed, cylindrical drum supported at its extremities on trunnions and consisting of interchangeable cylindrical units; of a frame comprising longitudinal and transverse members, said frame being pivoted for vertical angle adjustment; bearing supports for said trunnions mounted on said longitudinal members, said bearing supports being

longitudinally adjustable on said longitudinal members and clamping means carried by said bearing supports for securing said bearing supports at any desired longitudinal position on said longitudinal members.

1,517,539. HEADLIGHT. MOSES J. DAVIS, Pueblo, Colo. Filed Jan. 6, 1922. Serial No. 527,416. 2 Claims. (Cl. 240-23.)



1. The combination with the cylindrical headlight housing of a locomotive or the like, of a one-piece supplemental lens normally housed above and outside the housing, means for sliding the lens, and means for guiding said lens during its sliding movement, from the top of the housing downwardly into position across the lens of the housing, and a cover plate extending over the housing for protecting the lens while in position above the housing.

1,517,540. FILE HOLDER. IRA DEMPSEY, Delaware, Ark. Filed Oct. 18, 1923. Serial No. 669,369. 2 Claims. (Cl. 29-80.)

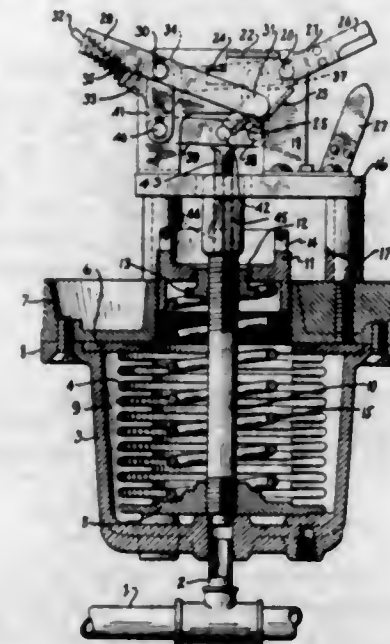


1. In a file holder, a pair of similar handle members provided with central longitudinal bores and having transverse recesses intersecting said bores, nuts arranged within the recesses and held therein against rotation relative to the handle members, a rod having threaded ends respectively threaded through the nuts and extending through the bores of the handle members whereby the latter may be adjusted toward and away from each other longitudinally of the rod, one of said handle members having a longitudinal internal groove for seating reception of the pointed end of a file, and a washer arranged upon the rod adjacent the inner end of the other handle member and provided with a transverse groove for seating reception of the blunt end of the file.

1,517,541. PRESSURE-CONTROL DEVICE FOR SWITCHES. JAMES H. DENNEY, Detroit, Mich. Filed June 29, 1922. Serial No. 571,680. 4 Claims. (Cl. 200-83.)

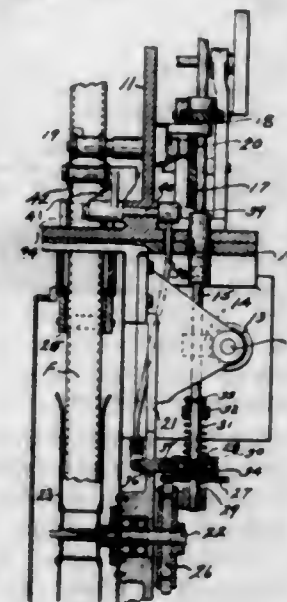
1. In pressure actuated mechanism for control of electric switches, the combination with an electric switch having a member movable to make or break a circuit through the switch, of a pressure controlled mechanism

for moving the member comprising a casing, a bellows like member therein expandible or contractible longitudinally and providing a chamber on the exterior thereof sealed to atmosphere and open to influence of fluid having a variable pressure, a rod secured to an end of the bellows member, a cap for the casing supporting the switch, said cap having an opening therethrough whereby the interior of the bellows member is open to atmosphere,



the rod extending through the said aperture to a movable part of the switch and being threaded, a nut on the rod adjacent the said aperture adjustable longitudinally of the rod and limiting the extent of compression movement of the bellows member whereby the switch mechanism is protected from excess pressure, and a coiled spring within the bellows member tending to expand the same on certain reduction of pressure in the chamber.

1,517,542. MOTION-PICTURE TAKE-UP APPARATUS. JOHN DOHERTY, Coxsackie, N. Y., assignor to Superior Projector, Inc., Coxsackie, N. Y., a Corporation of New York. Filed Jan. 16, 1923. Serial No. 612,920. 1 Claim. (Cl. 242-55.)



In a take-up device for motion picture apparatus, a reel, a film-feeding roller, a movable roller engaged by the film as it passes from the film-feeding roller to the reel and arranged to be moved by the tension on the film, a friction disc connected to said reel, a driving shaft at right-angles to the axis of the reel, a driving disc connected to said shaft and movable longitudinally thereof, a fixed abutment on said shaft, a movable abutment on said shaft and adapted to bear against said

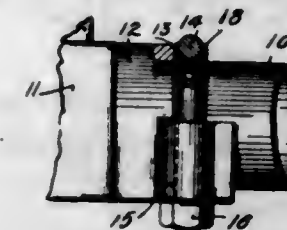
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driving disc, a spring between said abutments and connections between said movable abutment and said movable roller arranged to move said movable abutment against the pressure of the spring when the movable roller is moved by the tension of the film.

1,517,543. METHOD OF ACTIVATING CARBON. FRANK M. DORSEY, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed July 16, 1919. Serial No. 311,189. 4 Claims. (Cl. 252-3.)

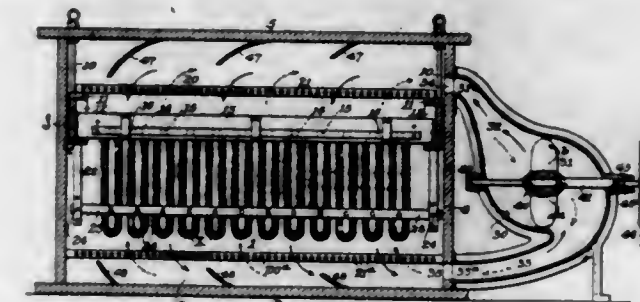
1. In a method of making activated carbon of the character described, the steps which consist in first subjecting carbonaceous material to a distillation process at a temperature above 700 degrees centigrade; and then after such distillation process has progressed at least two hours but before its completion subjecting such material to the action of a gas capable of preferentially oxidizing the residual hydrocarbons in such material.

1,517,544. MEANS FOR COUPLING TELESOPED TUBULAR MEMBERS. EMIL R. DRAVER, Richmond, Ind. Filed Feb. 2, 1922. Serial No. 533,576. 7 Claims. (Cl. 285-161.)



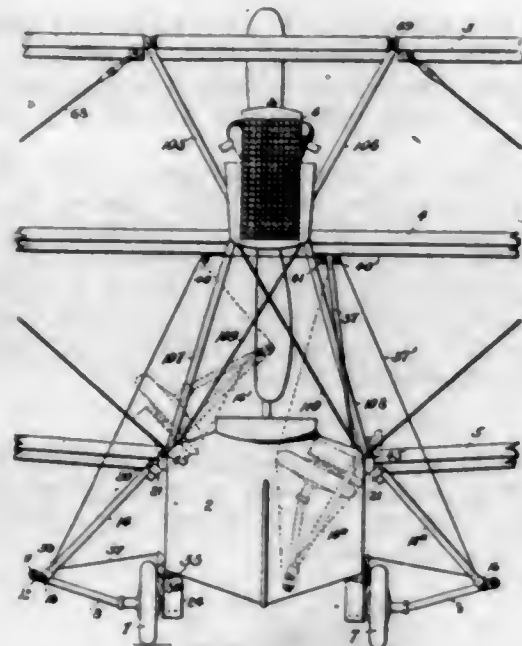
5. The combination with telescoped tubular members, of a nut-equipped U-bolt anchored to one of said members and operative on the other member to clamp the two members together, and a packing strip clamped by the bowed portion of said U-bolt against said inner tubular member and against the adjacent end portion of said outer tubular member.

1,517,545. APPARATUS FOR DYEING, SCOURING, OR OTHERWISE TREATING YARN AND OTHER FIBERS IN THE HANK OR SKEIN. HOWARD M. DUDLEY, Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1921. Serial No. 489,935. Renewed June 22, 1923. 9 Claims. (Cl. 8-18.)



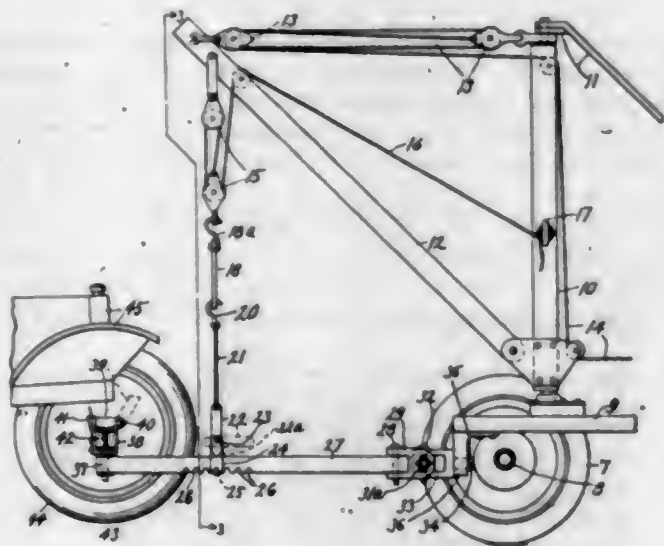
1. The combination, in fiber-treating apparatus, of a vat or tank providing a chamber, a movable frame disposed in said chamber for supporting hanks or skeins of yarn to be dyed or treated, a casing secured to the end of said tank; the latter having rectangular openings extending width-wise of the tank at top and bottom in communication with said casing, and a propeller in said casing for moving the liquid through the tank chamber in opposite directions; said casing having a circular mid section providing a propeller space and passages leading therefrom which gradually flatten to provide openings registering with the rectangular openings in the tank.

1,517,546. LAND AND WATER FLYING MACHINE. ERWIN J. DUNHAM, Farmingdale, N. Y., assignor to Lawrence B. Sperry, Garden City, Long Island, N. Y. Filed July 8, 1919. Serial No. 309,444. 21 Claims. (Cl. 244-2.)



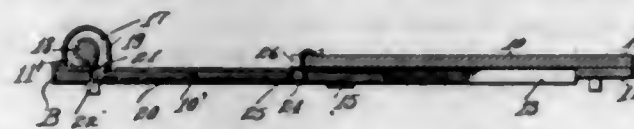
20. In a land and water flying machine, a hull, landing gear, a linkage pivoted adjacent the upper edge of said hull and connecting said gear to said hull whereby said linkage and gear may be swung about the pivot over the top of and into said hull.

1,517,547. DEVICE FOR LIFTING AND TOWING AUTOMOBILES. NELS EKBERG, St. Paul, Minn. Filed Mar. 31, 1924. Serial No. 703,034. 6 Claims. (Cl. 214-86.)



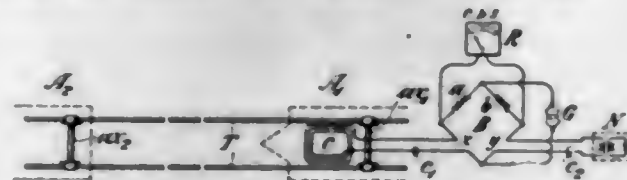
1. In a wrecking car for automobiles and mounted on a motor truck, a derrick having a boom and a vertically adjustable yoke suspended therefrom and extending in transverse direction of the boom two spaced lifting devices suspended from the lower edge of the yoke and having each pivoted to its lower end the longer arm of a cam lever, a clevis pivoted to the cam lever, two horizontally disposed arms extending each through one of said clevises and having their forward ends spaced and pivoted to swing in a horizontal plane from the rear end of the wrecking truck, and U-shaped clips mounted to swivel in a horizontal plane upon the rear end of each of said arms and adapted to receive and support some horizontally disposed part of the damaged car.

1,517,548. ADJUSTABLE SCREEN. ALFRED W. EMERSON, Steuben, Me., assignor of one-half to Bartlett W. Brown, Milbridge, Me. Filed Oct. 6, 1922. Serial No. 592,772. 2 Claims. (Cl. 156-39.)



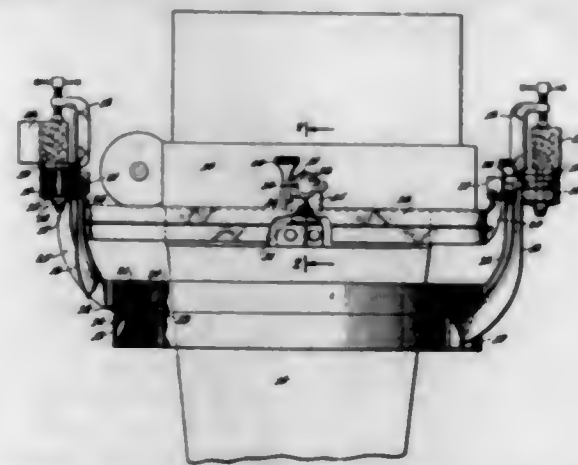
1. An adjustable window screen comprising a pair of slidable sections, a screen carrying roller on one of the sections, the side rails of the roller section having openings adjacent their ends, rollers mounted in the openings, and a cord connected to the outer end of each of the side rails of the other section and to one end of the screen carrying roller and engaged around the said rollers within the respective openings of the corresponding rail of the roller carrying section.

1,517,549. RAILWAY SIGNAL SYSTEM. LLOYD ESPENACHIED, Queens Village, N. Y. Filed Nov. 21, 1919. Serial No. 339,658. 31 Claims. (Cl. 246-63.)



1. The method of railway signaling which consists in altering the impedance of a transmission circuit comprising both track rails in accordance with the length of track between a train and a source of danger producing corresponding changes in the balance of a circuit and operating thereby a signal device.

1,517,550. UNIVERSAL MOUNTING FOR AERIAL CAMERAS. SHERMAN M. FAIRCHILD, New York, N. Y. Filed Oct. 17, 1922. Serial No. 595,046. 11 Claims. (Cl. 95-12.5.)

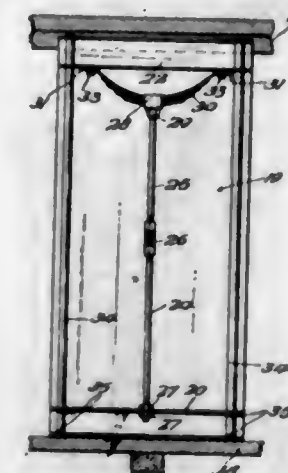


1. In an apparatus for aerial photography, in combination, a camera, a gimbal frame encircling the camera, pivotal connections between the camera and the frame at opposite sides thereof to permit the camera to swing in the frame, on a transverse axis, a carrier for the frame, pivotal connections between the carrier and the frame to permit the latter to swing on an axis at right angles to the first mentioned axis, and a support for the carrier in which the same is rotatably mounted.

1,517,551. SIGNBOARD. EMERY H. FAHNEY, Chicago, Ill. Filed Apr. 14, 1923. Serial No. 631,074. 14 Claims. (Cl. 40-63.)

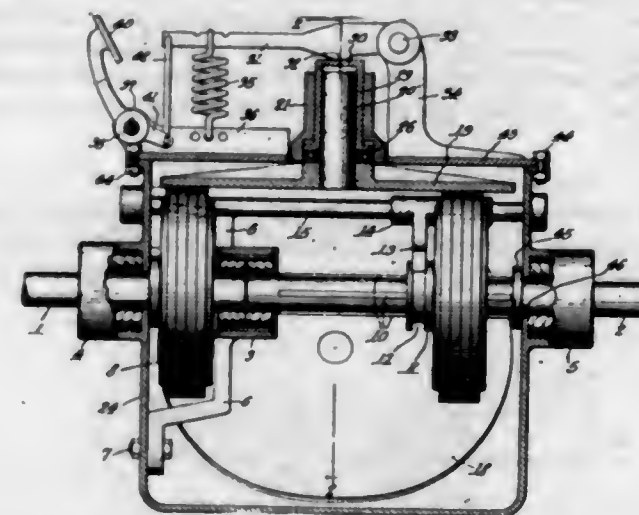
1. A sign board embodying a supporting structure, a panel constructed of sheet material and supported by

one edge upon the said structure, the opposite edge of the panel being free with respect to the supporting structure, resilient means operating upon the said free edge



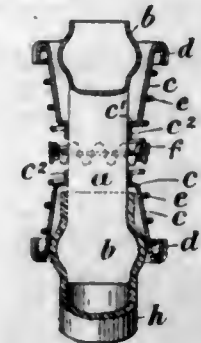
of the panel for maintaining the body portion of the panel taut, and means whereby the stress of the said resilient means may be varied.

1,517,552. FRICTION TRANSMISSION FOR AUTOMOBILES. CEPHAS V. FITE, Charlotte, N. C.; Mrs. Eunice L. Fite administratrix of said Cephas V. Fite, deceased. Filed May 16, 1921. Serial No. 460,962. 8 Claims. (Cl. 74-26.)



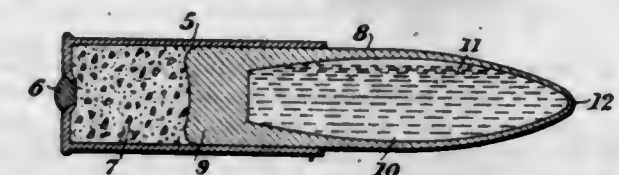
1. In a friction transmission for motor vehicles, the combination of a drive shaft, a driven shaft, said driven shaft having a longitudinally splined member, roller bearings in which the free ends of the drive shaft and the driven shaft are mounted, a friction disk affixed to the drive shaft, a second friction disk splined on the driven shaft but longitudinally slidable on said shaft, manually operated means for longitudinally moving said disk on the driven shaft, a plurality of adjustably mounted intermediate disks frictionally engaging the aforesaid friction disks, a third intermediate disk releasably engaging the said first named friction disks, resilient means bearing on said third intermediate disk to hold same in engagement with the first named friction disks under continuous pressure to operate as described, manually operated means for releasing the last named friction disks from operative contact with the friction disks on the drive shaft and driven shaft to permit slippage and thus throw the apparatus into inoperative position instantly, and manually operated means for longitudinally shifting friction disk on the driven shaft to any one of three positions relative to the intermediate disks to effect either a light rotation of the drive shaft and driven shaft, a reverse rotation, or a neutral relation.

1,517,553. AUTOMATIC HOSE-PIPE CONNECTION. WILLIAM FRASER, London, England, assignor of twenty-five per cent to Victor Ramsden and twenty-five per cent to Robert David Rogers, both of London, England. Filed Jan. 21, 1922. Serial No. 530,861. 6 Claims. (Cl. 285-84.)



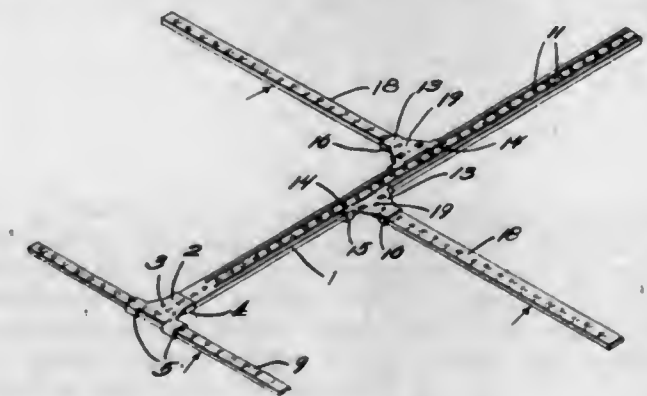
1. A hose-coupling comprising in combination, a tubular portion adapted to pass into the bore of the hose, a bulb or enlargement at an end of said tubular portion, a taper sleeve adapted, at its larger end, to pass over and engage the portion of the hose surrounding the bulb, a flange at the larger end of said sleeve, and a taper or volute coiled spring, engaging an abutment at its smaller end and seated at its larger end against the said flange.

1,517,554. AMMUNITION. GORDON S. FULCHER, Corning, N. Y. Filed Mar. 17, 1923. Serial No. 625,704. 2 Claims. (Cl. 102-12.)



2. A device of the class described comprising a cartridge provided with a percussion cap and an explosive, and a cylindrical shell formed of gelatin mounted in said cartridge and adapted to be projected by said explosive, said shell having an elongated chamber containing a volatile fluid, the said chamber being so disposed that the wall forming the front of the shell will be comparatively thin, while the rear end portion of the shell will be comparatively thick and be enclosed by said cartridge.

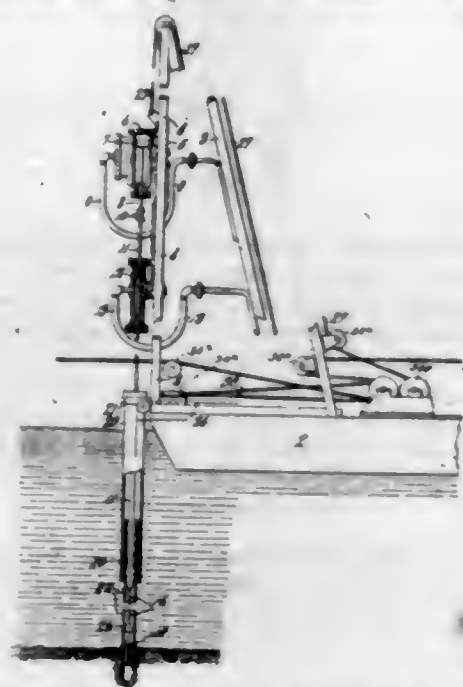
1,517,555. STANCE INDICATOR FOR GOLF. LYMAN V. GRAHAM, Kansas City, Mo. Filed Oct. 2, 1922. Serial No. 591,854. 4 Claims. (Cl. 33-174.)



1. A stance indicator, comprising a stem having linear measurement indicated thereon, said graduations commencing at one end of said stem and serving as a guide for the user in assuming a position the required distance from the said end of the stem; a cross head secured to the said end of the stem at right angles thereto, and provided with measurement marks as a guide in locating a golf ball relative to said cross head and stem.

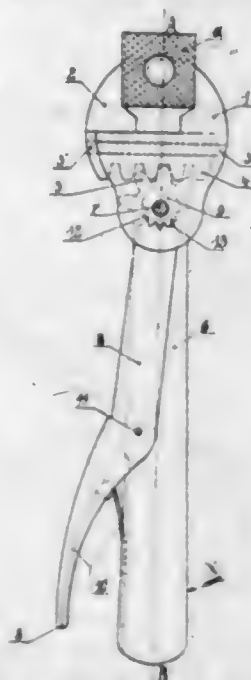
and an arm paralleling the cross head and slidably connected to the stem for adjustment laterally toward and from the cross head, and provided with measurement marks as a guide for the positioning of a foot of the user at the distance desired from the stem.

1,517,556. SUBAQUEOUS DRILL. WILLIAM D. GRANT, Vancouver, British Columbia, Canada. Filed Nov. 8, 1923. Serial No. 673,572. 3 Claims. (Cl. 255-1.)



1. A subaqueous drill, comprising the combination with a hollow drill rod to which an endwise reciprocating and a rotational movement may be imparted, a tubular casing surrounding the drill rod and drill, the lower end of which casing is seated on the ground around the hole being drilled, means for delivering water through the drill rod during its movement, and means for delivering the water from the casing tube above its seat on the ground.

1,517,557. SPANNER. AUGUSTE HALIN, Herstal, near Liege, Belgium. Filed Apr. 4, 1922. Serial No. 549,536. 3 Claims. (Cl. 81-86.)



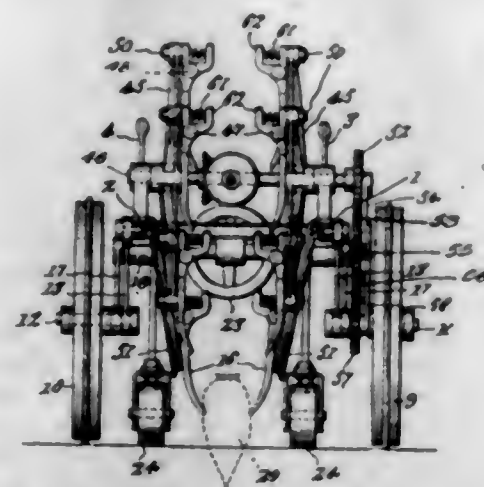
1. A spanner comprising two jaws slidable one on the other, a pivot fixed to one of said jaws, a lever rotatable on said pivot and operatively engaging the other jaw, a toothed wheel fixed on said pivot, and a second lever pivoted on the first lever and provided with gear teeth meshing with said toothed wheel.

1,517,558. COLLAPSIBLE TIRE RIM. JOHN E. HALL and FRANK J. MINKLE, Buffalo, and LEVI A. CASS, Warsaw, N. Y., assignors to New York State Simplex Rim Corporation, a Corporation of New York. Filed Aug. 15, 1923. Serial No. 657,468. 2 Claims. (Cl. 301-33.)



1. A tire rim comprising a plurality of sections, two of the sections being joined by operating means comprising an operating lever, a hinge clamping member secured to the lever, the hinge clamping member being pivotally connected to each of the rim sections by engagement with an integral pin carried by each of the sections and formed therefrom, thereby providing a hinge action between the sections.

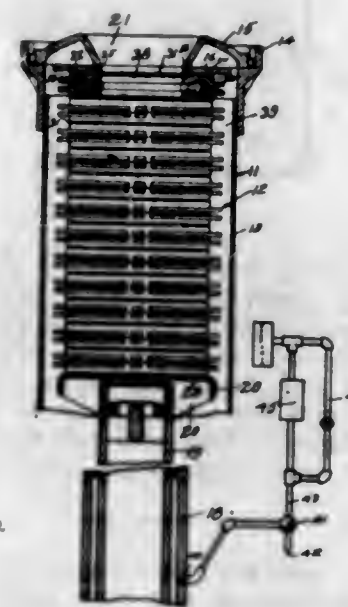
1,517,559. BEET HARVESTER. WILLY HARTENSTEIN, Darmstadt, Germany, assignor to Josephine Aman, Rutherford, N. J. Filed Aug. 27, 1921. Serial No. 495,926. 4 Claims. (Cl. 55-108.)



1. In a harvester, a frame, rotating spiders thereon, forks having a pivotal movement both longitudinally and transversely with respect to the spiders, means to rotate the spiders, spring means to tend to separate the forks, and cam curved rails on the frame adapted to direct the forks together as they approach the ground.

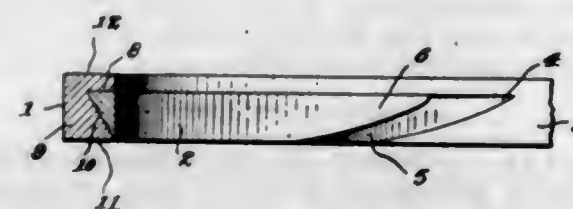
3. In a harvester for beets or the like, a frame, lifting means for the frame comprising pairs of forks arranged to grasp the beet from opposite sides, means to force the forks toward one another at the lower portions of their movement, and resilient means to return them to an initial position farther apart at the upper portion of their movement to release the beet.

1,517,560. VULCANIZING APPARATUS. DANIEL EDWARD HENNESSY, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1921. Serial No. 493,590. 19 Claims. (Cl. 18-17.)



1. In combination, a heater, an annular article therein, and means adapted to form a fluid tight separation between the space within the inner periphery of said article and the space between said article and said heater without materially restricting the communication between the inner space and the exterior of the heater.

1,517,561. PISTON PACKING RING. HENRY H. LIPSEY, Los Angeles, Calif. Filed Oct. 28, 1921. Serial No. 511,150. 1 Claim. (Cl. 74-109.)

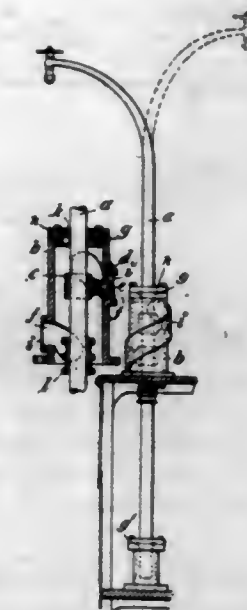


A resilient split piston ring comprising a member having a cylinder bearing surface and an inner annular groove, said groove having one of its walls perpendicular to the axis of the ring and another of its walls being disposed obliquely thereto, the ends of said groove being tapered and terminating at a substantial distance on each side of a point diametrically opposite the split portion of the ring; in combination with an open spring annulus matching and fitting in said groove, the ends of said spring annulus being tapered to correspond with the taper of the respective ends of the groove and the body portion diametrically opposite its opening bearing against and closing the split of the ring.

1,517,562. DEVICE FOR LOWERING BOATS, FROM SHIPS. DAVID RICHARD LJUNGMAN and FRANS DANIEL JANSSON, Gottenborg, Sweden. Filed Mar. 26, 1921. Serial No. 455,771. 2 Claims. (Cl. 9-22.)

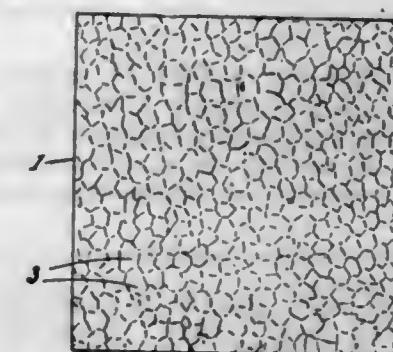
1. In a ship's davit, the combination with a supporting member having an inclined guideway and an axial bearing, of a boom mounted in said bearing and projecting axially through said member, said boom being provided

with a roller movable in said guideway to simultaneously operate the boom in a rotary and axial direction, and a locking mechanism for the boom and comprising a flanged



sleeve movable with the boom and oppositely projecting bolts movable into and out of the path of the axial movement of the said sleeve to lock the latter in its extreme axial positions.

1,517,563. REFLECTOR. GEORGE LOVELL, Stratford, London, England. Filed Aug. 19, 1921. Serial No. 493,594. 3 Claims. (Cl. 88-1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

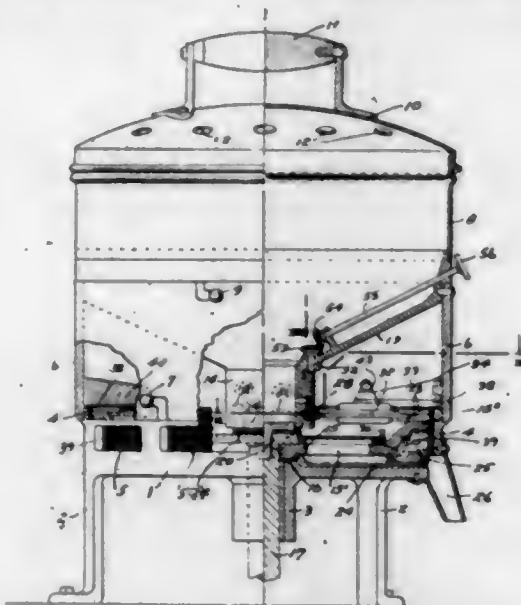


1. A reflector for the reflection of artificial light, more particularly for taking kinematographic pictures and photography, comprising a transparent sheet having an undulating surface formed with irregular hollows and projections of exceedingly slight depths and heights without sharp dividing ridges between them, and having a reflecting coating in its rear side.

1,517,564. PULVERIZING MACHINE. SAHN K. LOWE, San Francisco, Calif. Filed Dec. 15, 1923. Serial No. 680,974. 19 Claims. (Cl. 83-6.)

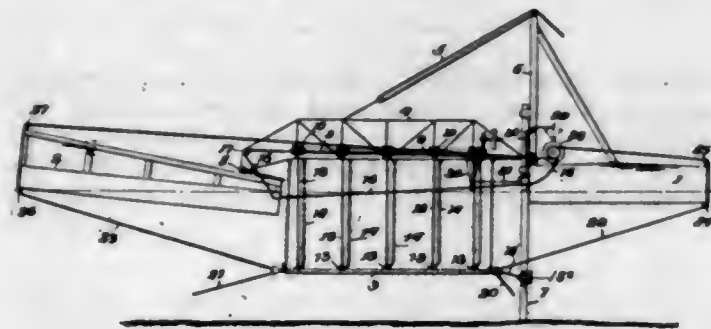
1. In a pulverizing machine, a horizontally revoluble disk, means for feeding material to the center of the disk, openings through the disk and a screen over the

openings, means at the central portion of the disk for cutting the material and for passing it outwardly across



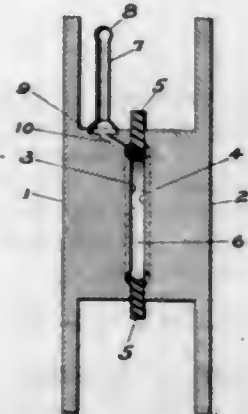
the screen, means beyond the screen for further cutting and grinding of the material and means for returning it to the same screen for a repetition of the treatment.

1,517,565. MAKING AND INSTALLING REVETMENT MATS. EDWARD M. MARKHAM, West Point, N. Y. Filed Dec. 30, 1916. Serial No. 139,940. 44 Claims. (Cl. 61-38.)



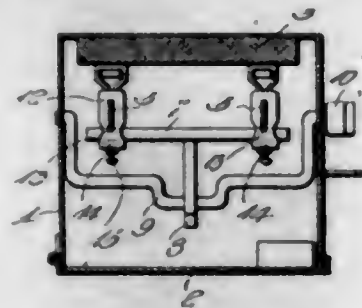
1. The herein described method of making and installing revetment mats consisting in forming a mat on a relatively movable base, bodily removing the base from beneath the mat, supporting the mat from above while the base is being removed and subsequently lowering the mat to position.

1,517,566. SPARK GAP. ROBERT H. MARRIOTT, Bremer-ton, Wash. Filed Nov. 1, 1921. Serial No. 512,059. 2 Claims. (Cl. 250-38.)



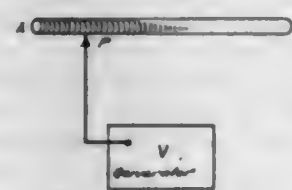
1. A spark gap having a spark chamber and a pressure relief chamber having expandible walls communicating therewith.

1,517,567. ELECTRIC SWITCH. RALPH K. MASON, Bantam, Conn. Filed July 13, 1921. Serial No. 484,415. 1 Claim. (Cl. 200-172.)



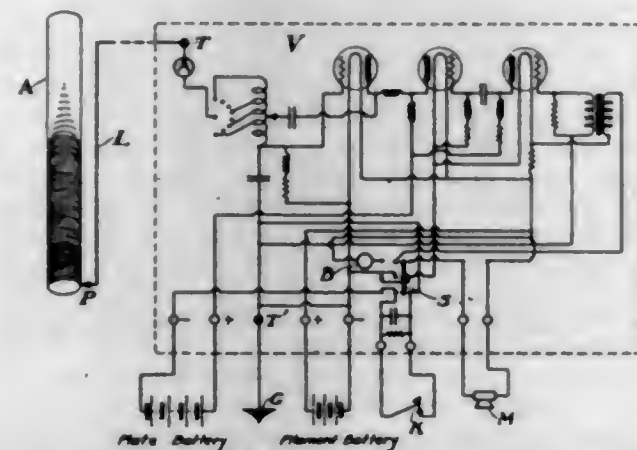
A switch comprising a plurality of parallel pivoted blades, stationary contacts with which said blades coact, an insulating bar extending across said blades, operating means connected with said bar, and connecting means between said bar and blades adjustable along the latter to properly set said bar with respect to said operating means and adjustable along said bar to properly space said blades for true engagement with said contacts.

1,517,568. SYSTEM OF RADIOTRANSMISSION. JOSEPH O. MAUBORNE and GUY HILL, Washington, D. C. Filed June 16, 1920. Serial No. 389,450. 13 Claims. (Cl. 250-17.)



10. A system for transmitting radio signals comprising a wave coil of distributed inductance and capacity, in the form of an open circuit, a high potential source electrically connected to only one element of said wave coil effecting thereby a wave development on said wave coil, means for modulating said source of high potential for purposes of signalling.

1,517,569. SYSTEM OF RADIOTRANSMISSION. JOSEPH O. MAUBORNE and GUY HILL, Washington, D. C. Filed June 3, 1921. Serial No. 474,714. 8 Claims. (Cl. 250-17.)



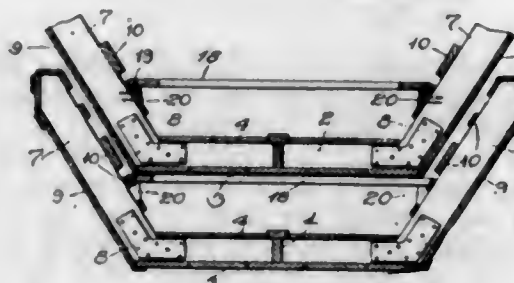
1. In a system for transmitting radio signals including a resonance wave coil, means for applying an undamped high frequency high potential source to an element of a wave coil, means for effecting a wave development on the coil, and means for modulating the source of undamped oscillations.

1,517,570. SYSTEM OF RADIOCOMMUNICATION. JOSEPH O. MAUBORNE, Chicago, Ill., and GUY HILL, Washington, D. C. Original application filed Feb. 17, 1921, Serial No. 445,880. Divided and this application filed Feb. 3, 1923. Serial No. 616,747. 15 Claims. (Cl. 250-17.)



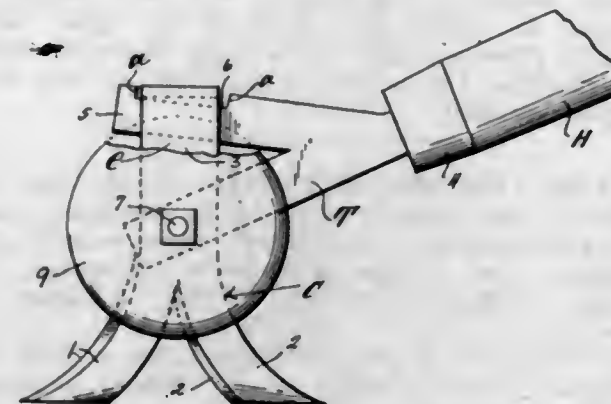
1. In an antenna system for radio communication comprising a wave coil antenna having an elongation of variable length at one end thereof, the method of varying the capacity of said coil and consequent wave distribution thereon consisting in varying the length of said elongation.

1,517,571. LIFEBOAT. MARTIN FRANZ MAYER, Seattle, Wash. Filed Dec. 10, 1923. Serial No. 679,855. 2 Claims. (Cl. 9-3.)



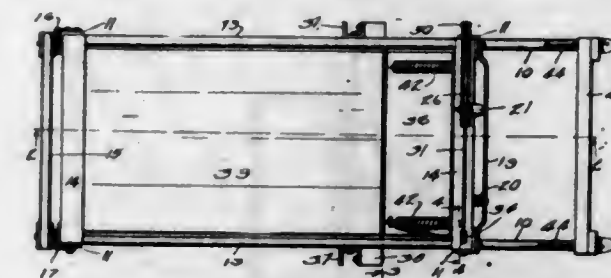
1. A life boat having the main thwarts secured to the walls of the boat by removable dowel pins, rods extending from said thwarts to the sides of the boat and removably connected to such sides, the connection of the rods between the thwarts and boat providing a substantially rigid structure to serve as stanchion supports for the thwarts, and a supporting thwart removably secured to the sides of the boat below the main thwarts and arranged at such height above the bottom of the boat as to receive and support the bottom of a nesting boat.

1,517,572. GROUNDWORKING IMPLEMENT. JOHN R. MEANS, South Fork, Ark. Filed Nov. 19, 1923. Serial No. 675,704. 4 Claims. (Cl. 97-58.)



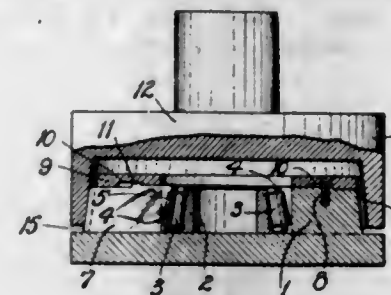
1. In combination with a ground working implement provided with an outstanding bow member, a tang, means for pivotally connecting the tang through the bow member, and an angularly disposed arm carried by the tang and extending through the bow member, said arm being provided with spaced shoulders at opposite sides of the bow member to limit the swinging movement of the member in either direction relative to the tang.

1,517,573. HOG TRAP. RALPH V. MOMYER, Knoxville, Iowa. Filed May 14, 1923. Serial No. 638,810. 3 Claims. (Cl. 119-99.)



2. In a hog trap, a frame, a supporting platform, a pair of aligned, spaced cross members at the forward end of the frame at the bottom thereof, a similar pair of cross members at the forward end of the frame at the top thereof, a fixed stanchion mounted at both ends between said cross members, a movable stanchion pivoted between the lower cross members and slidably received between the upper cross members, said movable stanchion having an upwardly projecting extension, a pawl pivoted to the end of said extension, a rack fixed to one of the upper cross members and adapted to coact with the pawl for preventing movement of the movable stanchion away from the fixed stanchion, a treadle mounted in the supporting platform, springs for normally holding the treadle in raised position, and a cable for operatively connecting the treadle with the movable stanchion, for moving it toward the fixed stanchion when the treadle is depressed.

1,517,574. MACHINE FOR CLOSING IN ROLLER-BEARING CAGES. WALTER MORRISON, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Apr. 19, 1924. Serial No. 707,571. 4 Claims. (Cl. 20-84.)



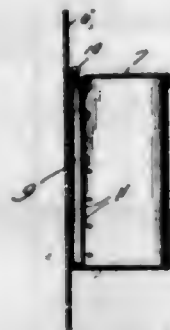
1. A machine for closing in roller bearing cages, comprising a die having a central depression adapted to receive a conical roller bearing, a plurality of fingers mounted in said die, said fingers being angularly spaced to conform to the spacing of the bridges of the cage of the roller bearing, and a plunger for operating on the outer ends of said fingers to force them radially inward against the bridges of the cage.

1,517,575. STEERING MEANS AND METHOD. ALEXANDER MCLEAN NICOLSON, Hillsdale, N. J. Filed Dec. 30, 1921. Serial No. 525,830. 7 Claims. (Cl. 114-144.)



1. The method of steering a vessel which comprises injecting a fluid in said vessel and circulating said fluid about said vessel at an accelerated rate.

1,517,576. TOOTHBRUSH HOLDER. MARIE NORDSTROM and ELLIOTT R. BROWN, New York, N. Y. Filed Oct. 10, 1923. Serial No. 667,767. 1 Claim. (Cl. 206-15.1.)

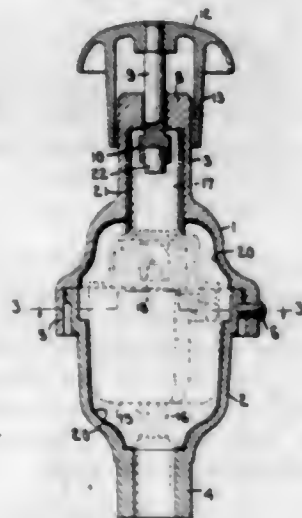


A holder for tooth brushes consisting of an elongated receptacle provided at its bottom and side walls with openings, a cover hingedly connected with the upper end of the receptacle and spaced from the rear wall thereof, said cover being provided at its free end portion with a recess, and a container provided at its side wall with openings, said container adapted to enter the receptacle through the space between the cover and the rear wall of the receptacle, and adapted to rest at its lower end upon the bottom of the receptacle, with its upper end substantially flush with the hinged joint between the cover and the body of the receptacle.

1,517,577. LUBRICANT. ZACHARIAS OLSSON, New York, N. Y. Filed Apr. 29, 1921. Serial No. 465,447. 3 Claims. (Cl. 87-9.)

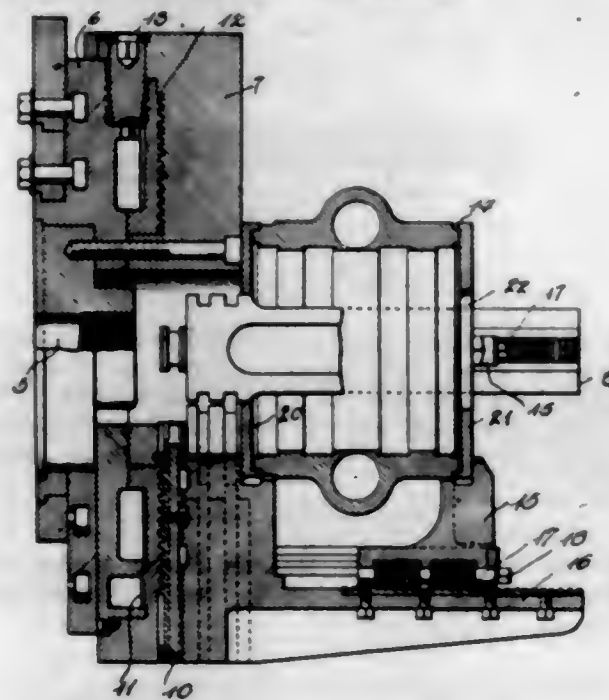
2. A grease composed of a lubricant, water, and a sufficient quantity of bentonite to form a perfect emulsion between the lubricant and water.

1,517,578. SWITCH HOUSING. WILLIAM V. ORR, Cleveland, Ohio. Filed May 27, 1921. Serial No. 473,099. 2 Claims. (Cl. 200-168.)



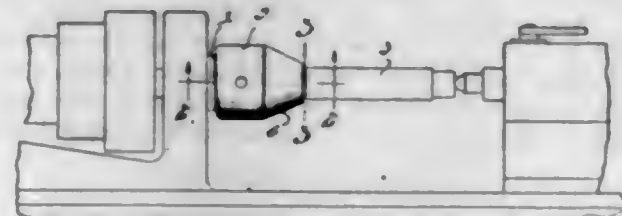
1. In a device of the character described, the combination with an electric switch of the push-button snap type, of a housing surrounding said switch and having a neck in alignment with and surrounding the button, said neck having an internal flange at its upper end, a reciprocable member traversing said flange and having at its inner end an enlarged head adapted to bear against said button, and an operating head carried by said member outside said flange and having an elongated shielding portion surrounding said neck in all reciprocal positions of said member.

1,517,579. CASTING MACHINE. WILLIAM H. PASHLEY, New York, N. Y. Filed Mar. 9, 1922. Serial No. 542,470. 5 Claims. (Cl. 22-65.)



1. In an attachment for centrifugal casting machines for casting bearings and the like, in combination, a revoluble plate or chuck, for securing to the driving spindle of the casting machine, provided with arms with radial longitudinal, quick operating adjustable gripping jaws for securing the mold or shell to the plate and at the same time securing end plates to the mold or shell one of which is provided with an opening through which molten metal may be admitted.

1,517,580. LATHE ATTACHMENT. CYRILLUS J. PETOSKEY, Lansing, Mich. Filed July 12, 1922. Serial No. 574,452. 1 Claim. (Cl. 82-40.)



A lathe of the character described comprising a sleeve tapered a portion of its length and provided with a square socket in its tapered end, said socket being adapted to receive the arbor of the lathe and the straight portion of said sleeve being interiorly threaded and receiving the spindle of the lathe as and for the purpose specified.

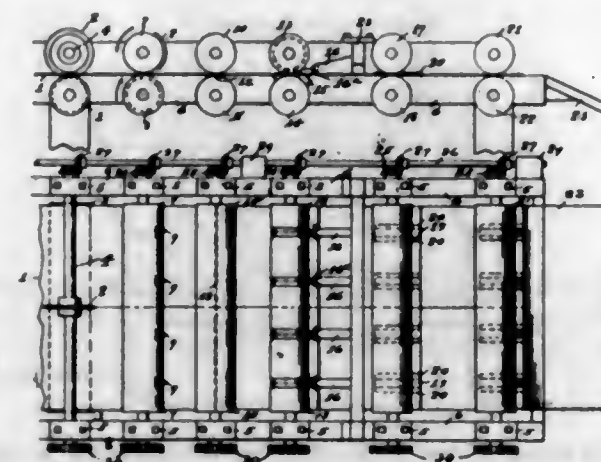
1,517,581. PROCESS OF DYEING. PAUL RABE, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Apr. 11, 1924. Serial No. 705,934. 6 Claims. (Cl. 8-5.)

1. Process for dyeing acidyl celluloses or their transformation products, which process consists in adding a pyridine compound in the dyeing, substantially as described.

1,517,582. ROOFING MACHINE. CHESTER E. RAHR, Boston, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 22, 1919. Serial No. 346,553. 4 Claims. (Cl. 93-1.)

1. In a roofing machine, the combination with a means for feeding a bituminous coated roofing sheet, with or

without granular surfacing, or a cutter for producing T-shaped incisions at predetermined intervals in the sheet, means for spreading flaps of the T-shaped cuts,



means of folding said flaps back upon the roofing, means for rolling the folded back portions onto the sheet, a slitter and transverse cutter for severing the sheet into shingle units.

1,517,583. BRAKE CLUB. HENRY M. RAMSAY, Altoona, and JUSTUS A. RICKABAUGH, Pittsburgh, Pa. Filed June 28, 1921. Serial No. 481,098. Renewed Oct. 23, 1924. 3 Claims. (Cl. 74-33.)



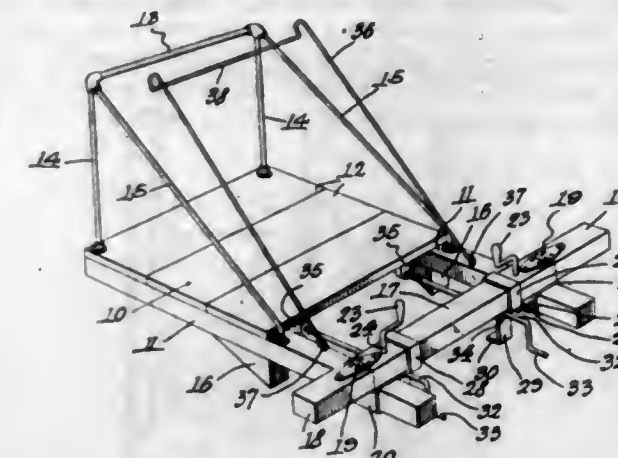
1. A metallic brake club having means for engaging a brake staff, a wood filler adapted to be placed in the brake staff end and means for keeping the filler in the brake staff end of the club.

1,517,584. THEFTPROOF ELECTRIC-LIGHT BULB. WILBUR M. RWECE, Enterprise, Oreg., and CARL E. TOMLINSON, Chehalis, Wash. Filed July 26, 1923. Serial No. 653,948. 5 Claims. (Cl. 176-31.)



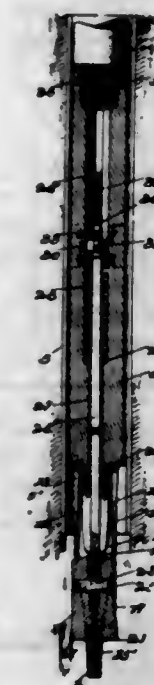
1. An electric light bulb having the usual threaded shell, a locking device within said shell having a socket-engaging detent extending outwardly therethrough to hold said shell against unthreading from the socket, a releasing key for said locking device confined within said bulb and accessible only by breaking the same, and a seal around said releasing key preventing entrance of air around the same.

1,517,585. WINDOW SCAFFOLD. GEORGE W. RICHARDSON, Bad Axe, Mich. Filed Mar. 26, 1924. Serial No. 702,121. 1 Claim. (Cl. 304-26.)



A window scaffold comprising a platform including a pair of longitudinal beams, stops carried by the beams, a transverse bar arranged above the beams and terminating at its ends adjacent to the same, adjustable socket members attached to the transverse bar and slidably receiving the beams to move longitudinally thereof, means for contracting the socket members to clamp the same to the beams, means to move the bar longitudinally of the beams when the socket members are released, and extensions hinged to the ends of the transverse bar.

1,517,586. UNDERREAMER. EMMETT J. ROE, Augusta, Kans. Filed Feb. 12, 1924. Serial No. 692,407. 23 Claims. (Cl. 255-75.)

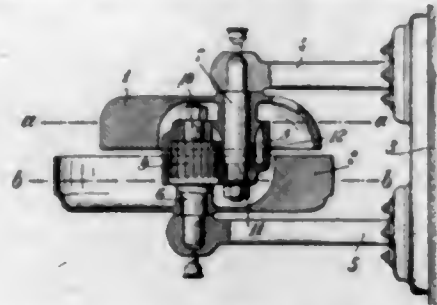


1. In an under-reamer, the combination of a reamer body having grooves at its lower end, said grooves having their lower portions on vertical planes nearer the axis of the body than the upper portions the lower end of said body adjacent the lower portion of said grooves being tapered, and reaming bits slidably mounted within said grooves.

1,517,587. FREELY-SWINGING SHAKING MECHANISM. ERNST ROTH, Niederuzwil, Switzerland, assignor to the Firm Gebrüder Bühler, Uzwil, Switzerland. Filed Aug. 20, 1923. Serial No. 658,407. 2 Claims. (Cl. 74-14.)

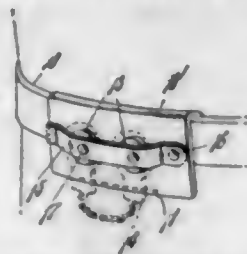
1. In a device of the kind described the combination of two gyrating weights adapted to rotate with equal angular speeds in two directions that are opposite to each other and that exert the same centrifugal actions

for imparting oscillatory motion to a machinery part, with a pair of intermeshing gear wheels adapted to positively drive said gyrating weights, bearing means for rotatably mounting said gyrating weights and gear wheels including pins serving as axles for said gyrating weights and hubs on said gyrating weights provided with bearing surfaces, and a member arranged between said gyrating weights and serving to hold said pins in de-



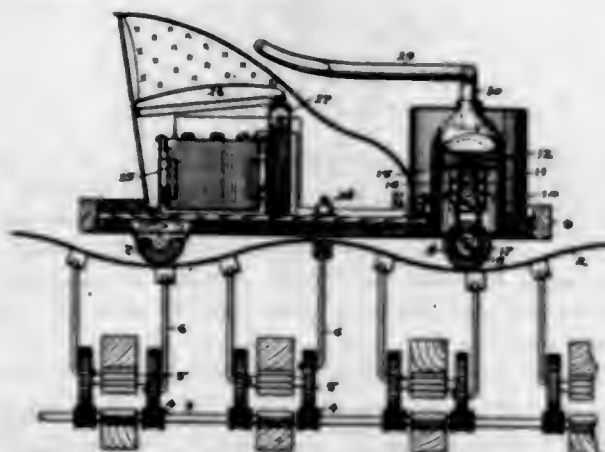
termined position and to ensure a proper meshing of the gear wheels, the member permitting the gear wheels to be inserted into it from opposite sides into their meshing position, the gyrating weights and bearing means being so disposed that the planes of rotation of the gyrating weights are at least close to each other and that the hubs are so far lengthened towards said planes that the centrifugal forces act within the bearing surfaces.

1,517,588. HANDCUFF HOLDER. FRANK C. SASAKI, Pomona, Calif. Filed Jan. 10, 1924. Serial No. 686,592. 2 Claims. (Cl. 224-3.)



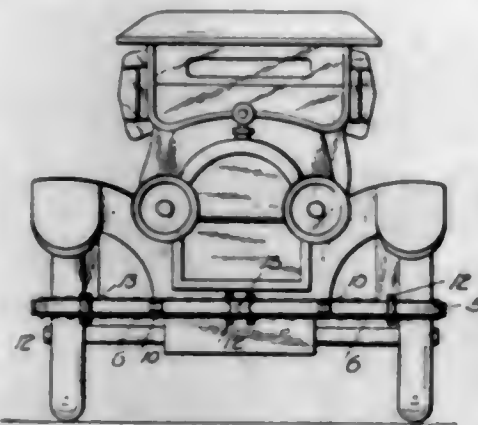
1. A hand cuff holder comprising a body, means whereby the body may be secured in place, spaced cuff supporting disks secured to the holder, a strap having one end secured to the body and extending across the outer faces of the disks and means for detachably connecting the opposite end of the strap to the body and its intermediate portion to the disks.

1,517,589. AMUSEMENT APPARATUS. DUDLEY HUMPHREY SCOTT, Cleveland, Ohio, assignor to The Humphrey Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 23, 1924. Serial No. 733,803. 3 Claims. (Cl. 104-58.)



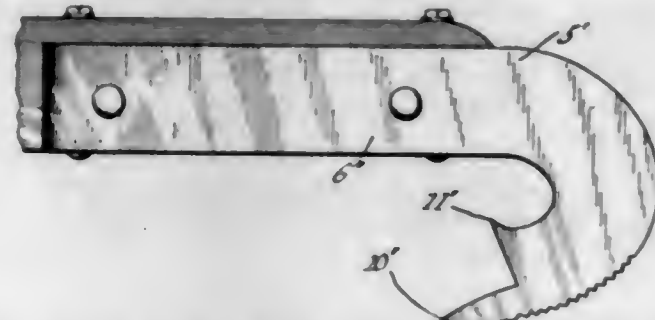
1. An amusement apparatus, comprising a flexible floor and means adapted to impart an undulating movement thereto, in combination with a wheeled vehicle adapted to coast upon said floor having a power starting and propelling device adapted to be automatically disconnected when the movement of the vehicle is accelerated by the undulating movements of the floor.

1,517,590. BUMPER FOR MOTOR-DRIVEN VEHICLES. WILLIAM B. SEWELL, Denver, Colo. Filed Feb. 18, 1924. Serial No. 693,566. 10 Claims. (Cl. 293-55.)



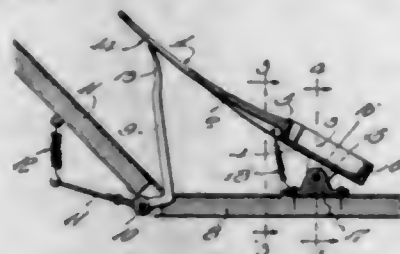
4. A bumper for motor vehicles comprising a spring of duplex reverse curvature and a tensioning chain engaging at the ends and at a central point of the spring.

1,517,591. FLOOR WRECKER. CHARLES AUGUSTUS SHOOK, Edgar, Nebr. Filed Aug. 27, 1924. Serial No. 734,481. 1 Claim. (Cl. 254-131.)



In a tool of the class described, a head including spaced arms having their free ends curved inwardly, the inwardly curved portions being cut away to provide upwardly extended hook members and tapered prongs, a web connecting the arms, one edge of the web lying in a plane with the upwardly extended hook members, said web acting as a bearing for the tool, and a handle secured between the spaced arms.

1,517,592. COMBINED PEDAL AND FOOT REST FOR AUTOMOBILES. JOHN R. SINGREY, Richmond, Va. Filed Sept. 1, 1923. Serial No. 660,593. 3 Claims. (Cl. 74-81.)

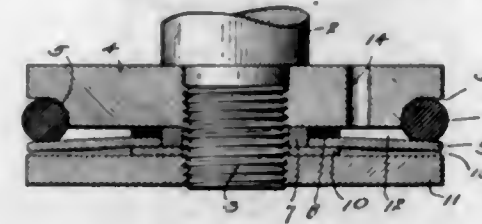


1. A combined pedal and foot rest comprising a member shaped to form a support for the foot, said member being provided with a heel receiving socket, and an auxiliary heel receiving socket adapted to fit within and detachable from the first named socket.

1,517,593. HIGH-PRESSURE PISTON. THOMAS B. SLATE, Elmhurst, N. Y., assignor, by mesne assignments, to Prest-Air Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 23, 1923. Serial No. 670,274. 4 Claims. (Cl. 74-109.)

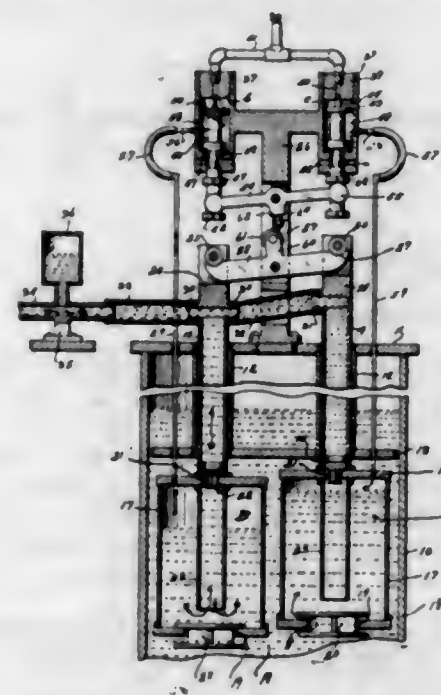
1. In a high pressure piston, the combination of a piston having an annular peripheral groove, a resilient packing ring mounted in said groove, a spring plate in

contact with said packing ring, a resilient washer on the side of the spring plate nearest the piston spacing it from the piston to provide an air chamber between the piston, the spring plate, the packing ring and the



resilient washer, spacing elements for the opposite side of the spring plate and the inner annular edge thereof, and a piston assembly plate in contact with one of said spacing elements.

1,517,594. PNEUMATIC PUMP. WILLARD G. SMYTHE, Grand Rapids, Mich. Filed Aug. 29, 1923. Serial No. 660,003. 7 Claims. (Cl. 103-243.)

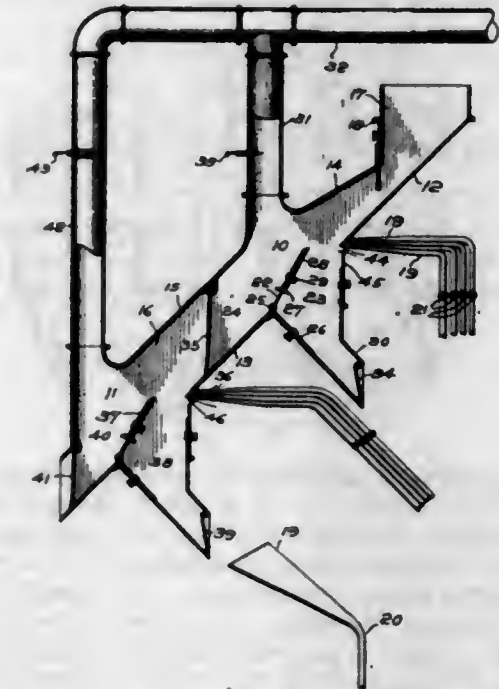


1. A pneumatic pump including a submerged vertically reciprocable chamber having an inlet opening in its lower end with an inwardly opening check valve, an outlet pipe extending from the top of the chamber nearly to the lower end thereof and having a check valve, a valve mechanism coacting with the chamber and adapted in one position to connect the upper end of the chamber to an air outlet and in another position to close the air outlet and connect the upper end of the chamber to a source of air under pressure, means for operating said valve comprising a lever operatively connected to the valve, a lever operatively connected to the chamber to be oscillated as the chamber is reciprocated, and means operating as the chamber is raised and the lever tilted in one direction to suddenly shift the valve mechanism to connect the upper end of the chamber to an air outlet port and acting when the chamber is lowered to suddenly shift the valve mechanism to connect the upper end of the chamber to a source of air under pressure and close said air port.

1,517,595. PNEUMATIC SIZER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 8, 1922. Serial No. 550,871. 7 Claims. (Cl. 83-54.)

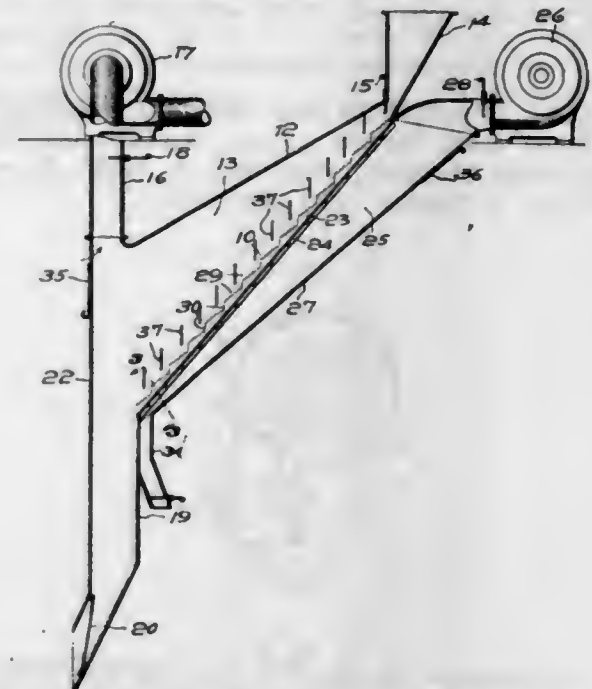
1. In a pneumatic sizer, in combination, a casing provided with separate closed chambers, means for delivering a jet of air into the first chamber, means for delivering a jet of air into the second chamber, partitions within said chambers in spaced relation to the respective

jet delivery means, means for delivering materials to be treated into the path of the jet of air in the first chamber that the lighter materials may be carried by the air over the partition, means for directing the materials falling



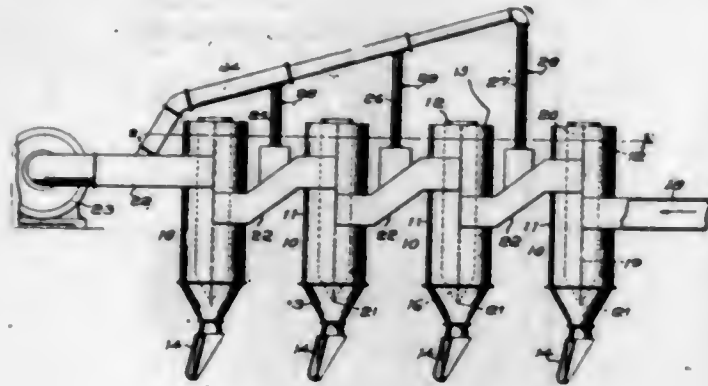
upon one side of said partition into the path of the jet of air in the second chamber to further grade the materials, and means for preventing air from flowing from one chamber to the other.

1,517,596. PNEUMATIC SIZER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 8, 1922. Serial No. 550,875. 2 Claims. (Cl. 83-54.)



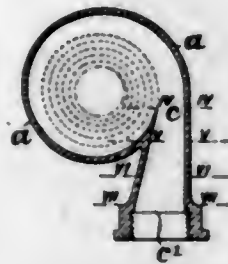
1. A pneumatic sizer comprising in combination, a relatively long narrow casing supported at a longitudinal inclination, an apertured surface mounted within the casing and extending diagonally thereof at an increased inclination and forming oppositely flaring air chambers at the opposite sides of said surface, means for delivering the materials to be treated to the upper end of the apertured surface, means at one end of the inclined casing for delivering air under pressure to the under face of the apertured surface, means at the opposite end of the casing for exhausting air from the space above said surface and adapted to draw air from the upper portion of the apertured surface in approximately a horizontal direction, and upstanding baffles within said casing near the upper face of said surface and arranged to arrest the heavier particles carried laterally by the air.

1,517,507. SEPARATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 25, 1922. Serial No. 556,469. 6 Claims. (Cl. 83-54.)



1. A separator comprising, in combination, an outer drum having an inner drum mounted therein and supported in spaced relation to the walls of the outer drum to provide an annular chamber between the two drums, a wall extending transversely across said annular chamber from one drum to the other and extending lengthwise of the drums to form a partition that prevents air within the annular chamber from traveling completely around the same, a conduit extending tangentially into said annular chamber and having a discharge end extending through said partition for delivering air and the materials to be separated to the annular chamber at one side of said partition, with a whirling movement around the chamber to the opposite side of the partition, and a second conduit for conducting air and the lighter material from the opposite side of the partition and having an open end at the partition to receive the air within the annular chamber to conduct it through an opening in the partition and out of the separator.

1,517,508. APPARATUS FOR SPRAYING FLUIDS AND MIXING THE SAME. JOHN WILLIAM STEVENSON, Ebbw Vale, England. Filed Sept. 1, 1921. Serial No. 497,780. 7 Claims. (Cl. 299-114.)

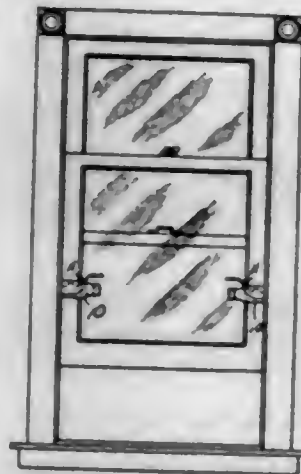


1. An apparatus for spraying or atomizing fluids, comprising a drum having end walls and a spiral circumferential wall, a tangentially directed rectangular inlet on the latter wall and extending practically from one end wall of the drum to the other, said circumferential wall forming an interior chamber, the inner periphery of which forms a spiral having a radius vector gradually decreasing from the outer to the inner end of the spiral, one of said end walls having an axial outlet.

1,517,599. WINDOW ANTIRATTLER. WILLIAM I. STINE, Altoona, Pa. Filed Dec. 27, 1923. Serial No. 683,026. 3 Claims. (Cl. 292-343.)

1. In combination with a window sash anti-rattler, a base plate, one end of which is straight and of a relatively thin section, while the opposite end is constructed

with a reduced width, offset and rolled back upon itself, a cone shaped depression in the straight section resembling the frustum of a cone in which a perforation is



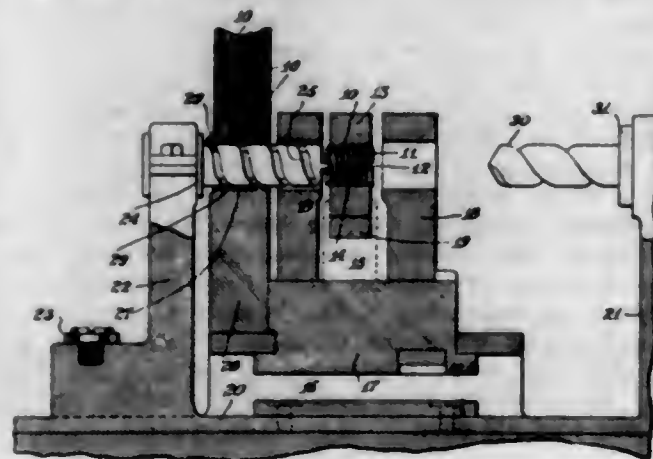
made and a locking member having an integral projecting pin adapted to coact with the cone shaped depression in the base plate and rotatively secured thereto.

1,517,600. CHERRY STONER. LESTER C. STOCK, University City, Mo. Filed Mar. 12, 1924. Serial No. 698,620. 5 Claims. (Cl. 146-21.)



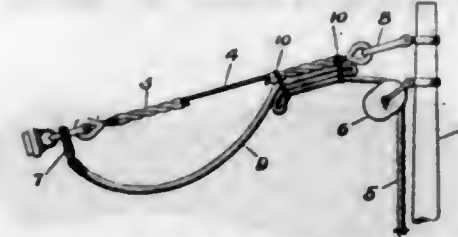
1. A cherry stoner comprising an elongated looped blade having a flat inner face and a pointed terminal.

1,517,601. MACHINE FOR INSERTING WEIGHTS IN PIANO KEYS. SEYMOUR SYLVESTER, Brooklyn, N. Y. Filed June 6, 1922. Serial No. 506,351. 1 Claim. (Cl. 144-2.)



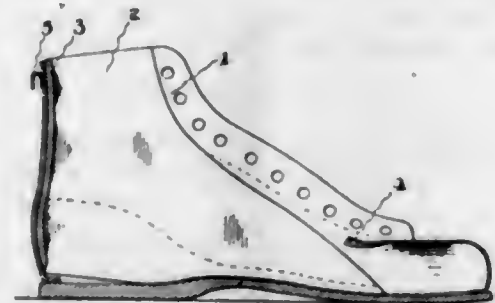
A key weight inserting apparatus for the purpose specified, comprising a reciprocable member provided with a drill and a revolving tool driver at opposite ends thereof, means for supporting a piano key between the said drill and tool driver, and a hopper for feeding weights into the path of the revolving driver to insert by rotary movement a weight into an opening in the key made by the said drill.

1,517,602. ANTENNA SAFETY LINK. ARTHUR M. TROGNER, Takoma Park, Md. Filed July 30, 1920. Serial No. 400,255. 5 Claims. (Cl. 250-33.)



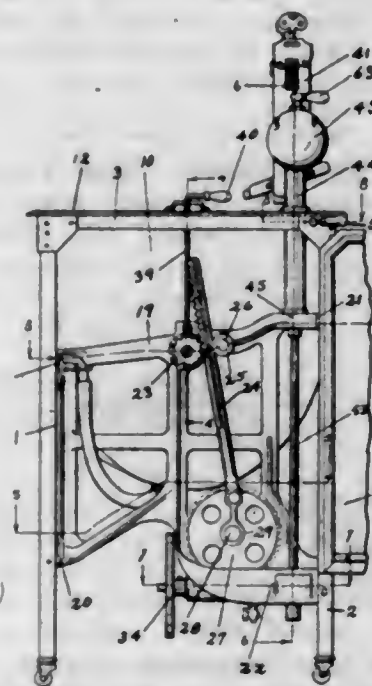
4. A radio antenna, a safety link having a weakened portion therein adapted for rupture connected to the antenna and a mast, and a balliard also connected to the antenna and the mast adjacent to the points of connection of the link to maintain the antenna in operative position when the weakened portion is ruptured.

1,517,603. ANKLE SUPPORT FOR BOOTS AND SHOES. FRANK VALLERY, Belwood, Ontario, Canada. Filed July 10, 1923. Serial No. 650,602. 1 Claim. (Cl. 36-71.)



An ankle support for boots and shoes comprising an integral piece of relatively intrinsically stiff material extending from the heel of the boot towards the toe thereof and from the sole at least substantially to the top of the upper of the boot, said support having a substantially smooth inner surface, said support being of greater thickness in the vertical line of the back of the heel than in the other parts thereof.

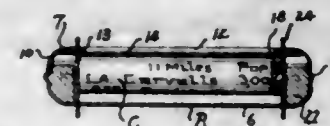
1,517,604. GEARING FOR WASHING MACHINES. CARL J. VELEY and WILLIAM S. FORBES, Kalamazoo, Mich., assignors to Worthmore Manufacturing Company, Kalamazoo, Mich., a Corporation of Michigan. Filed July 10, 1920. Serial No. 395,235. 2 Claims. (Cl. 74-50.)



2. In a structure of the class described, the combination of a rotatable element having a journal provided with a clutch member, a bearing in which said journal

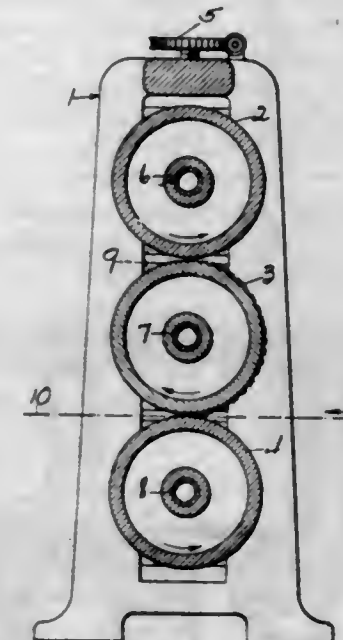
is removably arranged, a driven shaft slidably mounted in said bearing and provided with a clutch member co-acting with the clutch member of said journal, means for shifting said driven shaft to engage and disengage said clutch members, a driven gear on said driven shaft, a driving rack coacting with said driven gear, a driving crank wheel for said rack, and a supporting roller grooved to receive the rack so that the rack is supported in driving engagement with the driven gear and the driven gear may be shifted laterally of the rack to engage and disengage said clutch members.

1,517,605. TOURIST'S TRAVEL INDICATOR. EDWARD B. WARREN, Long Beach, Calif. Filed July 7, 1923. Serial No. 650,080. 2 Claims. (Cl. 40-86.)



1. A travel indicator comprising a casing having a body portion and a cover for the body having a sight opening therein, the body having end and side walls bent to provide longitudinally extending internal recesses and external beads for limiting closing movement of the cover onto the body, strips fitting in the body against the side walls thereof and having ribs fitting into the recesses of the side walls to retain the strips in place when the cover is in an open position, spools disposed within said casing having their outer ends provided with trunnions journaled in said strips, operating flanges carried by said spools adjacent the trunnion ends thereof and disposed in the casing intermediate the side walls thereof, and an indicating strip connecting said spools having indicia thereon visible through said sight opening.

1,517,606. COATING FABRIC WITH RUBBER. EDWIN C. WIESE, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1921. Serial No. 440,961. 23 Claims. (Cl. 91-68.)

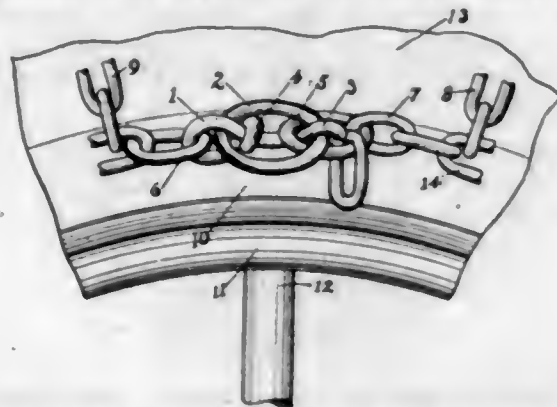


1. The method of coating fabric with rubber which comprises passing the fabric through a rubberizing calendar under frictioning motion and with the lower roll warmer than the center roll.

1,517,607. AUTOMOBILE TIRE-CHAIN FASTENER. CHARLES F. WISENMEYER, Springfield, Ill. Filed Jan. 19, 1924. Serial No. 687,286. 1 Claim. (Cl. 24-116.)

In a tire chain fastener having a circular ring and a loop-attached tongue element normally positioned across the diameter of the ring, the combination of a

circular ring with a looped tongue means provided at the hinged end with integral loop adapted to simultaneously engage the periphery of said ring and an end link of an automobile tire chain; said tongue element provided near the loose end with a slight dip followed by an upward and arched bend forming an integral hook adapted to normally rest on the periphery of said



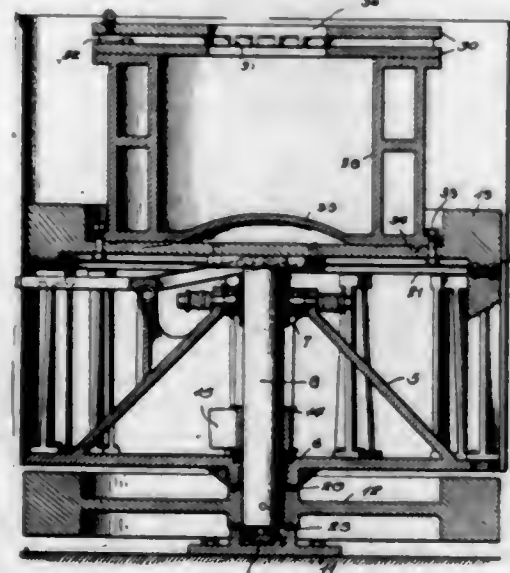
ring opposite the resting point of said integral loop-attached tongue element; and thus normally adapted to serve as a means of securely uniting automobile tire chain ends substantially and prevent accidental disengagement of said automobile tire chain when in normal use, in the manner described and for the purpose set forth.

1,517,608. CASTING MACHINE. ALFRED W. ATKINS, Brooklyn, N. Y. Filed Jan. 4, 1922. Serial No. 527,013. 2 Claims. (Cl. 22-65.)



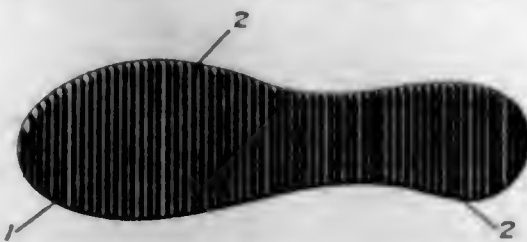
1. A spout for use with casting machines comprising a vertically disposed funnel-like member and a horizontally disposed conveying portion, the surface of which gradually tapers from concave at the inlet end to convex at the outer end whereby the molten metal spills uniformly from the sides of the spout.

1,517,609. CASTING MACHINE. ALFRED W. ATKINS, Brooklyn, N. Y. Filed Jan. 4, 1922. Serial No. 527,014. 7 Claims. (Cl. 22-65.)



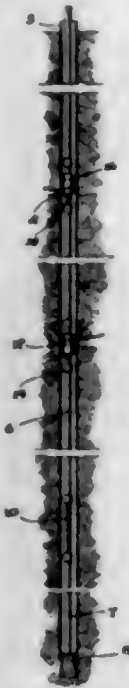
1. In a centrifugal casting machine, in combination, a vertically disposed shaft carrying balance devices at its upper and lower ends and a mold associated with one of said balance devices.

1,517,610. RESILIENT INSERT FOR SHOES. CHARLES O. BAYLESS, Dayton, Ohio, assignor of one-half to Walter H. Gerdes, Dayton, Ohio. Filed Oct. 2, 1922. Serial No. 591,743. 1 Claim. (Cl. 36-43.)



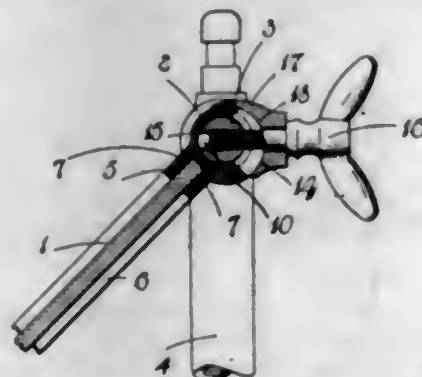
A resilient insert for shoes, comprising a strip of elastic material having on its bottom portion a series of sharp downwardly and rearwardly projecting transverse ridges triangular in cross section.

1,517,611. TELESCOPIC AIR VALVE AND OPERATING MEANS THEREFOR. ALEXANDER BOYNTON, San Antonio, Tex. Filed Dec. 26, 1923. Serial No. 682,845. 11 Claims. (Cl. 103-233.)



1. In an air lift valve for well tubings, a pair of telescopic tubular sections having openings adapted for registration, said sections having enlargements arranged in the same vertical planes whereby the separation of the sections is limited, and a contact ring carried by one of the enlargements and adapted for contact by the other enlargement when the openings are out of registration.

1,517,612. PIVOTED JOINT. JOHN THOMAS BROCKHOUSE, West Bromwich, England. Filed Dec. 4, 1923. Serial No. 678,545. 4 Claims. (Cl. 290-92.)



1. A pivoted joint comprising a pivot member; a movable member mounted on said pivot member; an inclined surface on the movable member; an abutment member co-acting with said inclined surface to prevent movement of the movable member in one direction but

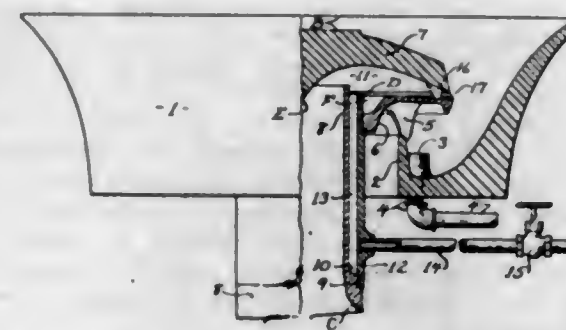
allow it to be freely moved in an opposite direction, and an operating device associated with the pivot whereby the position of the abutment member can be adjusted to retain the movable member in any required position.

1,517,613. BRUSH. JOHN CARR, Des Moines, Iowa. Filed Dec. 10, 1923. Serial No. 679,847. 2 Claims. (Cl. 15-172.)



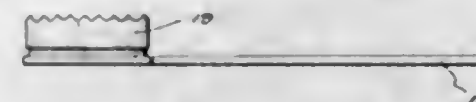
1. In a brush of the class described a thin bristle holding member, bristles held thereby, a handle having a thin flattened portion at one end, said member and portion being made of bendable material and connected together to permit the bristles to be projected at different angles from the handle of the brush, a wire yoke having its closed end received in said handle and having diverging ends projecting into said bristle holding member, said handle having channels at one end receiving the edges of said member substantially as shown.

1,517,614. OIL BURNER. PARKE CARTER, Wichita, Kans. Filed Apr. 7, 1924. Serial No. 704,786. 1 Claim. (Cl. 158-91.)



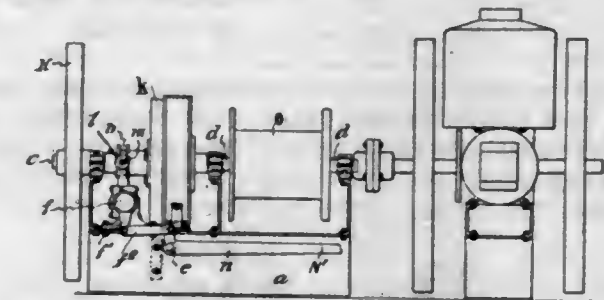
In a burner of the class described, a bowl having a central opening, a flange surrounding said opening and extending above the bottom of said bowl, a vaporizing plate supported above said flange forming means for deflecting air passing through said central opening, said vaporizing plate having an axial opening and a depression around said axial opening, a sleeve supported in said axial opening and forming an oil trough with a depression in said plate, an air inlet tube supported at its lower end from said sleeve and spaced therefrom, thereby forming an annular oil reservoir and a deflector supported on and spaced above said vaporizing plate having a conical portion extending within said air inlet tube.

1,517,615. BRUSH. WILLIAM R. CHYNOWETH, Battle Creek, Mich. Filed Aug. 7, 1922. Serial No. 580,198. 2 Claims. (Cl. 15-210.)



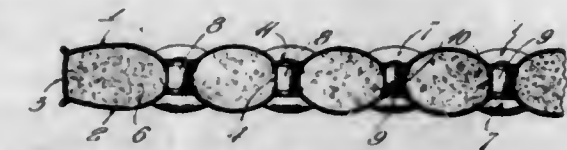
1. A tooth brush of the character described comprising a handle having a head formed integrally of and projecting from one of the sides, said head being provided along its face with transverse corrugation providing projections and a cleansing element having a pocket formed by side and end walls respectively in which said head is received and provided with a transversely corrugated working face coinciding with the corrugations on said head, the walls of the cleansing element gripping the walls of the head to retain the cleansing element in place.

1,517,616. WINCH. ARTHUR CLAYDEN, Richmond, England. Filed Dec. 28, 1920. Serial No. 433,567. 5 Claims. (Cl. 192-17.)



1. A brake control device comprising coating cams, one of which is adjustably and the other slidably mounted, a brake actuation shaft on which the said cams are mounted, a lug against which the slidably mounted cam abuts, an attachment between the said lug and the free end of a band adapted to grip upon a "braking" surface, a boss forming a fixed point to which the other end of the band is secured, an attachment between the said boss and the secured end of the band, to positively secure the latter to the boss and means for operating the brake actuation shaft to apply or withdraw the braking action.

1,517,617. MATTRESS. JOSEPH E. CLEVELAND, Columbus, Ga. Filed Oct. 1, 1923. Serial No. 665,906. 1 Claim. (Cl. 5-347.)

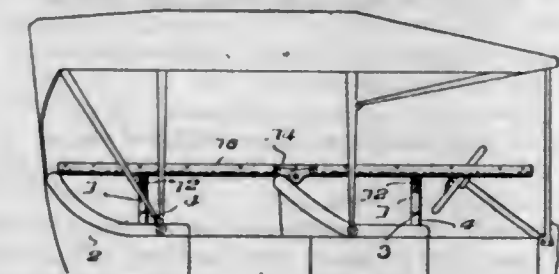


A mattress having a flexible top and bottom provided with vertically aligned openings, a stuffing between said top and bottom, flexible ventilating tubes stitched at their ends to the edges of said openings, said tubes being of less length than the thickness of the packing to impart substantially concave formation to the mattress around the ends of all tubes, and cylindrical plugs insertible into said tubes from either side of the mattress, each plug having a tubular side wall, convex upper and lower end walls, a yieldable packing confined by said walls, and a looped handle secured to the upper end wall, said plugs being of substantially the same length as said tubes and being of a diameter to be frictionally held therein against accidental removal.

1,517,618. ENAMEL COMPOSITION. HUGH S. COOPER, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a Corporation of New York. Filed Jan. 11, 1921. Serial No. 436,593. 5 Claims. (Cl. 106-36.2.)

2. An enamel composition containing zirconium oxide and an opacifying compound of a metal having an atomic weight of about 119, in about the proportion of three weights to two.

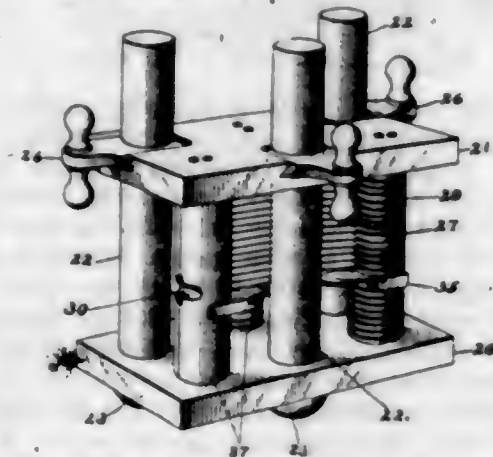
1,517,619. AUTOMOBILE BED. BURTON E. CRAIN, Springfield, Mo. Filed Aug. 13, 1923. Serial No. 657,111. 7 Claims. (Cl. 5-118.)



1. A folding bed support comprising a frame made up of hinged connected rails and sectional cross bars on which the rails are supported, hinges on the inner end

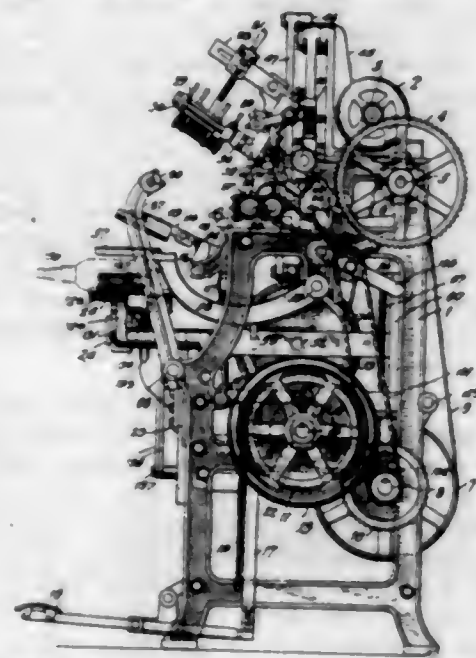
of each cross bar section on which the other cross bar is both swingable and slidable, a plate on the under face of each of the first mentioned cross bar sections providing a rest for the swingable and slidable cross bar section, and clamping means for the sections.

1,517,620. METHOD OF AND APPARATUS FOR MAKING MOLDED CONDENSERS AND THE PRODUCT RESULTING THEREFROM. WALTER W. ELLIS, Washington, D. C. Filed May 13, 1922. Serial No. 360,854. 10 Claims. (Cl. 22-203.)



1. A mould for electrical condenser plate elements including means for holding a group of condenser plates in spaced relation, means for adjusting the capacity of the mould to accommodate groups of plates of different maximum numbers, and means for moulding the groups of plates to a column of metal.

1,517,621. LABELING MACHINE. EDWARD ERMOLO, New York, N. Y. Filed May 6, 1924. Serial No. 711,329. 14 Claims. (Cl. 216-54.)

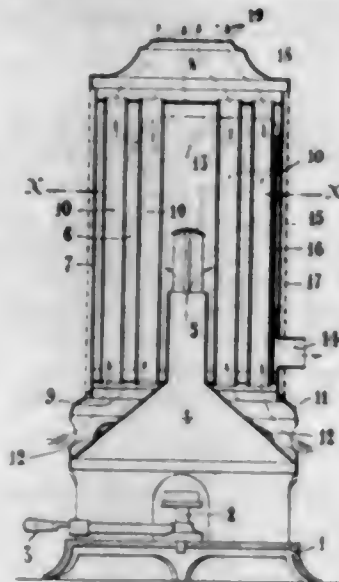


1. A labeling machine comprising in combination a rest adapted to support an article to be labeled, a plurality of label boxes arranged above said rest, pickers, means for moving said pickers from said label boxes to the article to be labeled on said rest, and means for reciprocating said label boxes to alternately present one of said label boxes to the action of said pickers on each reciprocation of the pickers.

1,517,622. HEATING APPARATUS. RENE FAURE, Paris, France. Filed July 2, 1923. Serial No. 649,071. 1 Claim. (Cl. 126-116.)

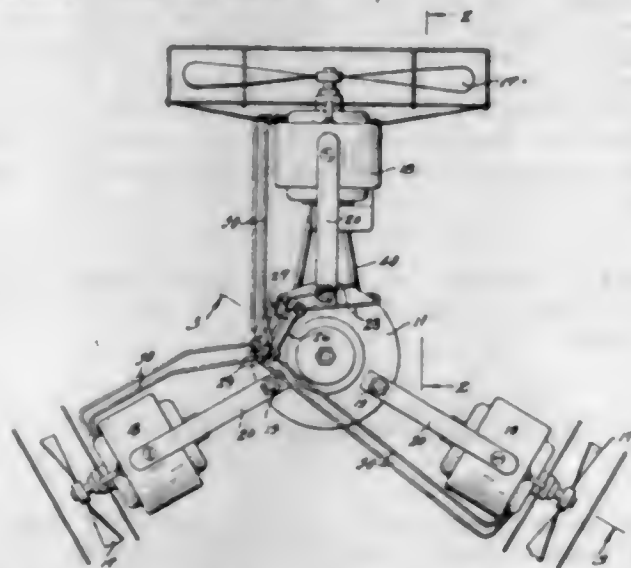
In a heater, the combination of a base; a burner mounted thereon; a hood mounted above the burner and comprising a conical body, and a central cylindrical chimney projecting upwardly therefrom; a supporting jacket enclosing the hood; a recuperation chamber supported on said jacket and into which the hood chimney

extends, said chamber comprising perforated top and bottom tube plates and a circumferential wall or casing connecting the same and provided with an outlet for the products of combustion; a set of air tubes disposed in said chamber around said chimney and fitted at opposite ends in the openings in the tube plates, said tubes having their lower ends directly overlying the conical wall of the tube body, and said jacket having a series of air inlets which are located opposite said wall, whereby the incoming air is deflected upwardly toward said overlying tube ends; a vertical baffle plate supported within said



chamber upon the bottom tube plate and disposed opposite said outlet and in spaced relation to the portion of the casing wherein the outlet is formed, said baffle plate terminating short of the top tube plate at its upper end so as to cause the products of combustion to travel upwardly along the tubes for substantially their entire length and to pass over the said upper end of the baffle plate in order to descend between the latter and the casing to reach said outlet; and a member surmounting the combustion chamber and having an outlet for the heated air.

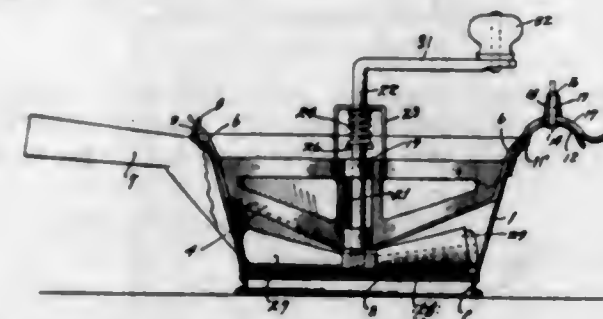
1,517,623. VENTILATING-FAN DRIVE. ALFONSE FRANCOIS, Bridgeport, Conn., assignor to Ringling Brothers, Bridgeport, Conn., a firm consisting of Charles Ringling, John Ringling, and Richard T. Ringling. Filed July 5, 1923. Serial No. 649,708. 2 Claims. (Cl. 230-1.)



1. In a device of the character described, an upright support, spaced bearings carried by the support, spaced plates connected by the rods, bearings carried by said plates cooperating with the bearings carried by the support, outwardly extending arms carried by said plates, fans and motors for operating the fans secured to said arms, the motors and fans being equally spaced about

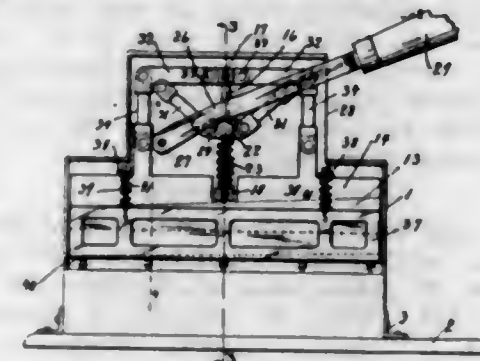
said support, a stationary pulley mounted on the support between the plates, a pulley connected to one of the fan motors and driven thereby, and a driving belt connecting said pulleys.

1,517,624. COMBINATION FRUIT CRUSHER AND FLOUR SIFTER. ADOLPH G. GIRARD, San Francisco, and ERNEST R. MOELLER, Oakland, Calif. Filed Apr. 14, 1924. Serial No. 706,442. 1 Claim. (Cl. 146-175.)



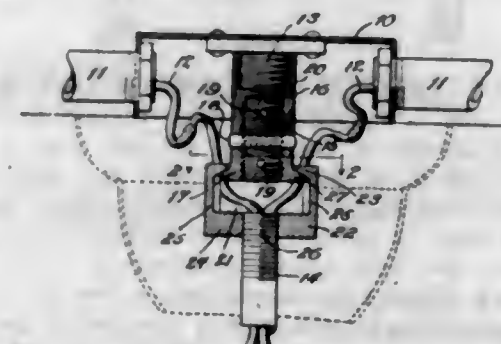
A vessel having a handle extending therefrom and a slotted lip rising from the edge thereof adjacent to the handle, an ear rising from the edge opposite the handle and the lip and a supporting structure for an agitating means having flanges at either end, one of the flanges being adapted to be introduced into the slot of the lip and means being provided for securing the other flange to the ear.

1,517,625. ENVELOPE OPENER. RICHARD GLASSER, San Francisco, Calif. Filed May 4, 1922. Serial No. 558,481. 2 Claims. (Cl. 164-51.)



1. In an envelope opener of the character described, a drop blade, means for imparting vertical downward motion to said blade, comprising a rigidly supported vertical shaft, a spring supported sleeve slidable thereon, means for forcing the sleeve downward against the tension of the spring and an operative connection between the sleeve and the blade whereby the latter are forced down simultaneously.

1,517,626. ELECTRIC-LIGHTING FIXTURE. MAX HERSKOVITZ, Chicago, Ill.; William Herskovitz and Charles Weinfeld executors of said Max Herskovitz, deceased. Filed Mar. 5, 1921. Serial No. 449,963. 2 Claims. (Cl. 240-15.)

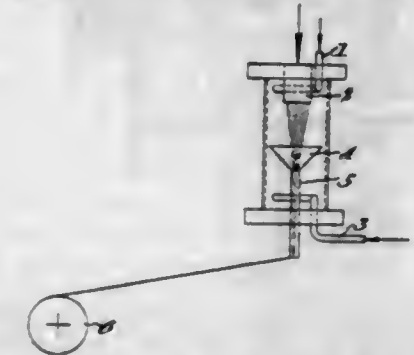


1. An insulator for electric lighting fixtures, comprising a coupling threaded at both ends, a hickey having outlet openings for conductor cords and an open annular

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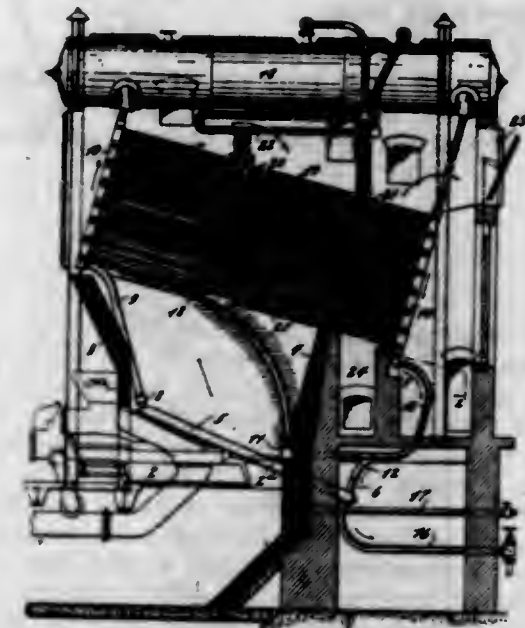
lar top, the underside of which is concave, an internally threaded bushing capable of being inserted into said hickey through said outlet openings and extending out through said opening in the top of said hickey and having a flange, convex upon its upper face, and upon which said hickey rests, said flange extending into said outlet openings for engagement with the side wall of the hickey, whereby the coupling and hickey are held against relative rotation, a threaded insulating plug secured in said bushing and coupling and an insulating shoulder interposed between said coupling and bushing.

1,517,627. ARTIFICIAL SILK AND PROCESS OF MAKING SAME. EMIL HUBERT, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Dec. 23, 1922. Serial No. 608,747. 1 Claim. (Cl. 18-54.)



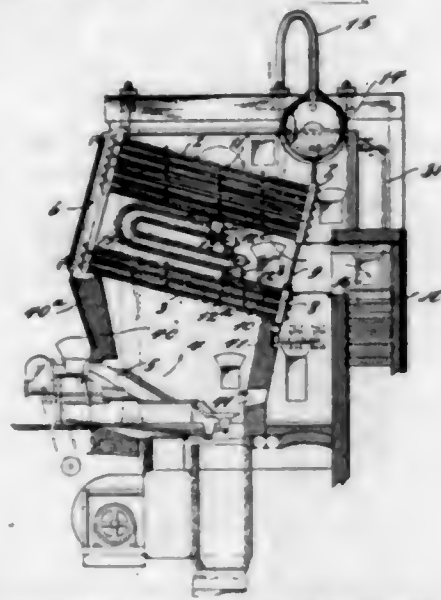
The manufacture of artificial silk by a drawing process of the type employing two superposed liquids at different temperatures and of different specific gravities, in which comparatively thick filaments pass first into the hotter liquid where they are drawn and then into the colder liquid, substantially as described.

1,517,628. STEAM BOILER. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Original application filed Nov. 4, 1915, Serial No. 59,503. Divided and this application filed June 9, 1919. Serial No. 302,728. 9 Claims. (Cl. 110-1.)



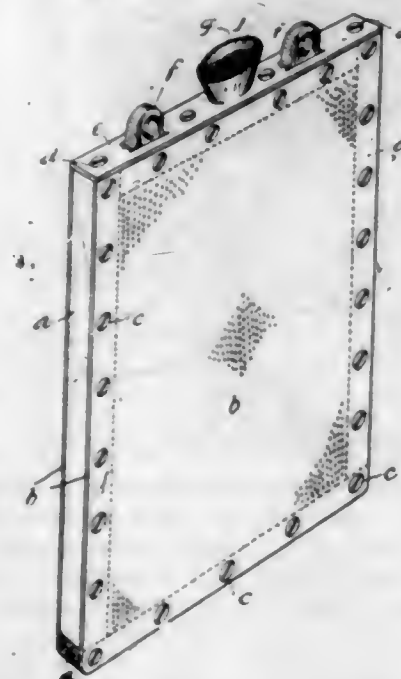
7. In a steam boiler and its furnace, a forced blast underfeed stoker, the furnace walls forming a hopper shaped furnace chamber, parallel horizontally inclined boiler tubes located above said furnace chamber, the said tubes being substantially uniformly spaced apart, said furnace chamber being sufficiently high to permit approximately complete combustion of the gases before reaching the boiler tubes, a roof baffle located above said furnace chamber and parallel to said tubes, and means comprising a baffle extending upwardly from the end of said roof baffle across the tubes and forming a decreasing flow area for the gases.

1,517,629. STEAM BOILER AND FURNACE THEREFOR. DAVID S. LACORUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Original application filed July 2, 1918. Serial No. 242,990. Divided and this application filed Dec. 23, 1919. Serial No. 346,950. 7 Claims. (Cl. 110-1.)



7. In combination, a furnace having an unobstructed upwardly enlarging furnace chamber, fuel feeding mechanism for the furnace which causes heated particles to be carried upwardly through the furnace chamber, substantially parallel horizontally inclined water tubes comprising two spaced banks located above the furnace chamber and spaced apart a distance corresponding to the width of a plurality of rows, the lowermost tubes being directly exposed for substantially their entire length to the radiant heat of the furnace, said furnace chamber being sufficiently high to permit approximately complete combustion of the gases before reaching the boiler tubes, a baffle located above certain of the tubes and extending parallel thereto, and means defining a constricted first pass across the tubes through which the gases flow, said means including said baffle located above certain of the tubes.

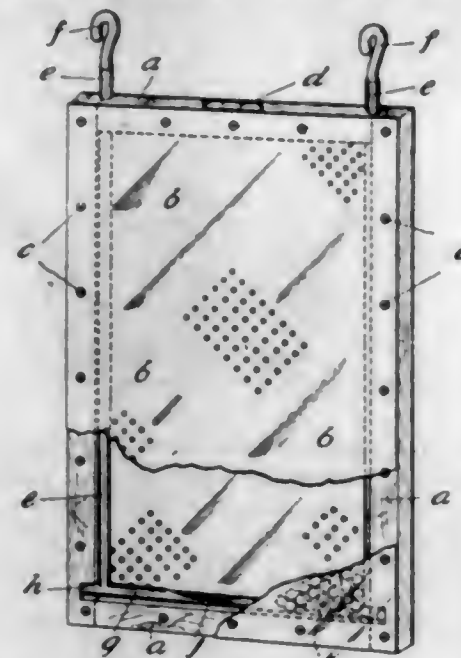
1,517,630. ANODE FOR USE IN ELECTROPLATING. GERALDUS JONES, Birmingham, England. Filed Dec. 13, 1923. Serial No. 680,305. 5 Claims. (Cl. 204-4.)



1. An anode for use in electro-plating comprising a hollow box, having perforated sides, a hopper at the top having suspension and current connecting means and communicating with the interior of the anode, the

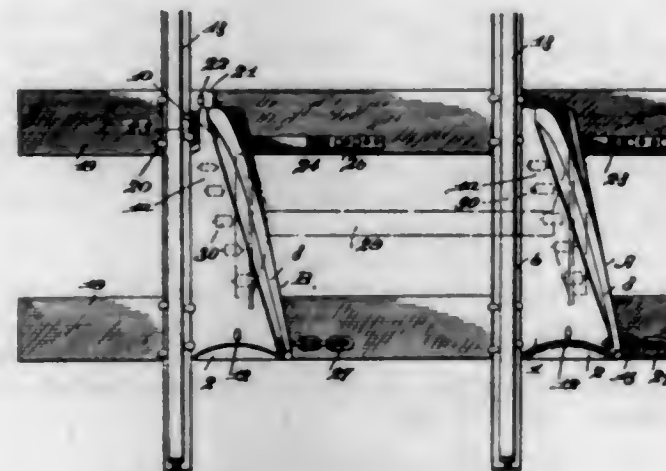
plating metal in divided form being fed into the anode through the hopper and therewith forming the means for conveying current from the anode.

1,517,631. ANODE FOR USE IN ELECTROPLATING. GERALDUS JONES, Birmingham, England. Filed Dec. 13, 1923. Serial No. 680,306. 8 Claims. (Cl. 204-4.)



1. An anode for use in electro-deposition of metals comprising in combination a container with perforated walls, means for suspending said container, means for introducing anode metal in divided form into said container, current conveying means in said container disposed so that the anode metal when in the container will rest on a portion of said current conveying means, and said current conveying means being protected on all sides from the electrolyte except the portion on which said anode metal will rest.

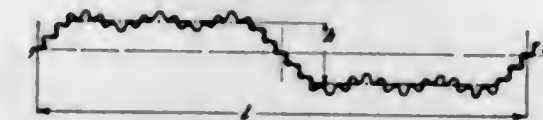
1,517,632. CAR REPLACER. WILLIAM F. JONES, Dialville, Tex., assignor of one-half to Ira Jones and one-half to H. H. Odom, both of Dialville, Tex. Filed Apr. 21, 1924. Serial No. 708,023. 3 Claims. (Cl. 104-268.)



2. In a car replacer, a base adapted to rest upon adjacent ties with a longitudinal edge thereof in contact with a rail which is supported on the ties, a guard member extending on said base along the other longitudinal edge thereof for part of the length of the base and then having a portion curved obliquely across the base toward the first named longitudinal edge of the base, a block adapted to be secured on one of said ties in abutting relation to said base at one end of the latter, a brace adapted to be secured to said one tie and having a portion thereof bearing against said guard member and tending to hold said base against lateral movement away from said rails, said base being provided adjacent

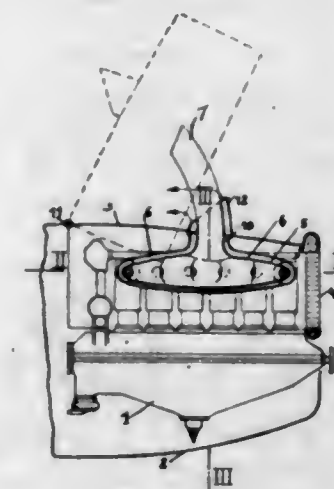
to its other end with an opening for the reception of a spike for attaching the base to an adjacent tie, said guard member being provided with a lateral opening adjacent to the last named end of the base, and a chain having elements at one end engageable with the opening in said guard member and being adapted to be attached to said last named tie, said base having a portion of said first named longitudinal wall thereof offset inwardly at one end of the base and said stop block having a projection extending along said offset portion between the latter and said rail.

1,517,633. CORRUGATED SHEET METAL. HUGO JUNKERS, Dessau, Germany. Filed June 28, 1920. Serial No. 392,592. 9 Claims. (Cl. 29-180.)



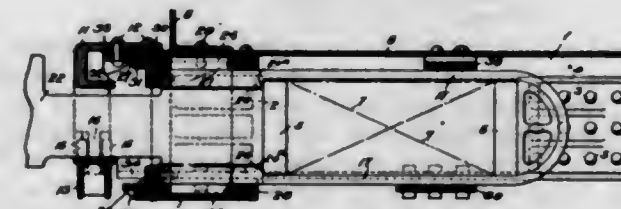
1. Corrugated sheet metal having main corrugations, secondary corrugations superposed on the main corrugations, and tertiary corrugations on the secondary ones.

1,517,634. EXHAUST MANIFOLD. HUGO JUNKERS, Dessau, Germany. Filed Sept. 8, 1920. Serial No. 409,022. 5 Claims. (Cl. 123-171.)



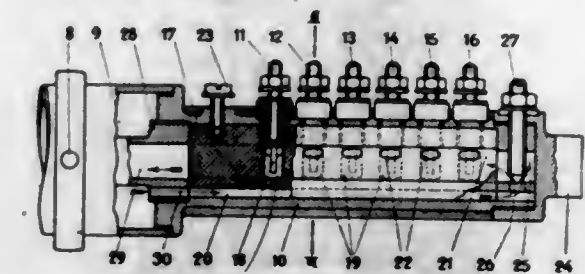
4. In an exhaust manifold in combination, a cooling air jacket surrounding said manifold, air admission ports distributed over said jacket and an air outlet near the centre of said manifold.

1,517,635. DRAFT RIGGING. BYERS W. KADEL and PERCY R. DRENNING, Baltimore, Md., assignors to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 26, 1921. Serial No. 495,658. 11 Claims. (Cl. 213-50.)



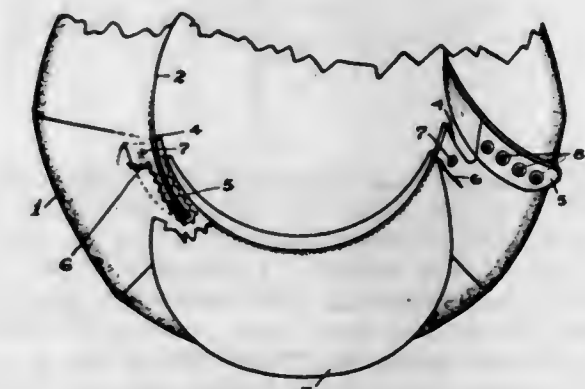
1. In a draft rigging, the combination with center sills, of a coupler, a yoke, a vertically arranged key for connecting the said coupler and yoke, and means including a plurality of members disposed respectively above and below the key for guiding the same, at least one of said members being connected to the center sills.

1,517,636. ELECTRIC CONTACT DEVICE WORKING WITH A LIQUID, ESPECIALLY MERCURY. KARL KAISER, Munich, Germany, assignor to Metallbank und Metallurgische Gesellschaft, Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a Corporation of Germany. Filed July 26, 1922. Serial No. 577,566. 6 Claims. (Cl. 200-152.)



1. In a tiltable electric contact device working with a liquid electrical conductor, especially mercury, in combination, a channel for the liquid conductor, a contact member projecting into said channel, an insulating barrier within the channel and surrounding said contact member to form a collecting receptacle about the member, said barrier having opposed passageways therethrough positioned transversely of the plane of tilting of said channel so that as such tilting takes place the conducting liquid upon reaching the level of said passageways is compelled to flow into the collecting receptacle substantially transversely to the plane of tilting and positively close the circuit.

1,517,637. CAP. SAMUEL KANER, Toronto, Ontario, Canada. Filed Mar. 24, 1923. Serial No. 627,394. 2 Claims. (Cl. 2-197.)

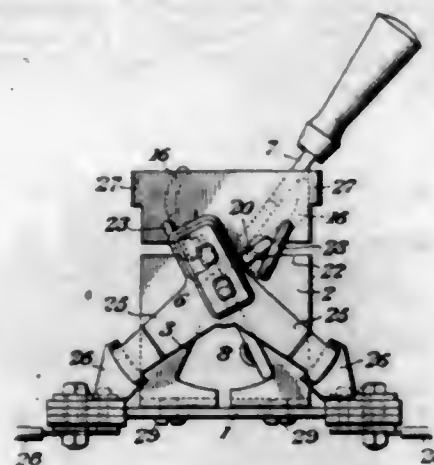


1. In a cap of the class described, a conventional cover having the orifice portion thereof split transversely at opposing points to the rear of the vizor and tongues extending forwardly from the rear portion of such orifice, slots leading into the interior of the walls of said cover positioned slightly in advance of each of the opposing splits in said orifice portion receptive to said tongues, the material intermediate the split and slot on each side of the cover bearing a dome fastener section, opposing dome fastener sections arranged longitudinally on each of said tongues and adapted for selective engagement with said dome fastener sections, with tongues inserted in said slots for concealing same from view.

1,517,638. ELECTRIC SWITCH. LOUIS KELLNER, Brooklyn, N. Y. Filed Apr. 6, 1922. Serial No. 550,090. 8 Claims. (Cl. 200-67.)

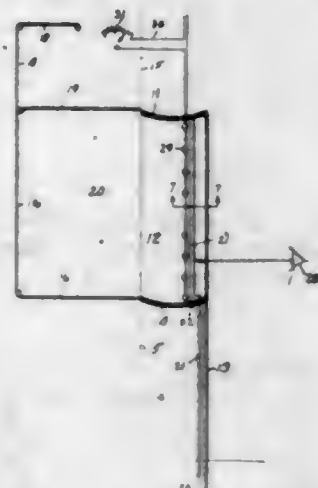
1. An electric switch comprising a support, a switch plate pivoted in said support and swinging in an aperture therein the walls of said aperture forming rigid stops for the switch plate in its "on" and "off" positions, a switch lever pivoted in said support adja-

cent the pivot of the switch plate, the switch plate and lever extending in opposite directions from their pivots, a coil spring connecting the switch plate to the



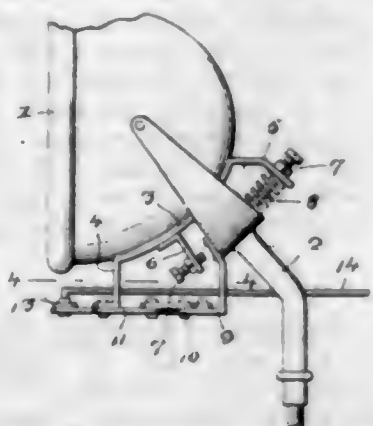
lever and arranged to pass across the pivotal points of said two parts, and contact arms carried by the switch plate.

1,517,639. ANIMATED BOOK. LORA W. KESLER, Portland, Oreg. Filed Nov. 26, 1923. Serial No. 676,910. 3 Claims. (Cl. 46-70.)



1. An animated book consisting of a book-shaped box adapted to be set against an opening in a stage scene, said box having a hinged front cover and an open side next to the scene opening; a darkened room formed behind said scene opening; a frame slidably mounted on said box close to said front cover; a screen of theatrical gauze stretched across said frame and having a picture painted thereon; and lights within said box arranged to illuminate said gauze.

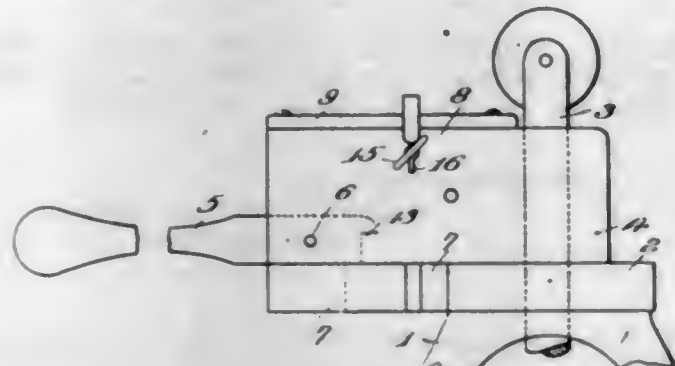
1,517,640. ADJUSTABLE AUTO HEADLIGHT. JOHN A. KIMBALL, Taylorville, Ill. Filed Oct. 6, 1923. Serial No. 666,990. 3 Claims. (Cl. 240-61.)



1. In a motor vehicle, an upright, a lamp pivoted in the upright, to move about a horizontal axis, a bracket carried by the lamp having projecting parts, set screws carried by the projections for engaging portions of the

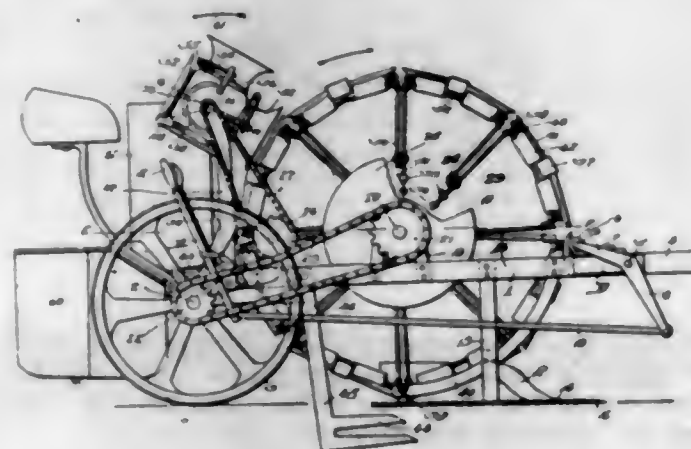
upright to limit the tilting movement of the lamp, a spring on the upper screw and arranged between the upright and the upper projection for holding the lamp in its lowest position and manually operated means connected with the bracket for moving the lamp to its raised position.

1,517,641. SWITCH-LEVER LOCK. WILLIAM E. KORSCH and GEORGE W. HUBT, Duluth, Minn. Filed Apr. 22, 1924. Serial No. 708,277. 1 Claim. (Cl. 246-413.)



The combination with a pivotally mounted switch operating lever of the character described having a stepped shorter terminal, of a normally horizontally disposed pivotally mounted dog having a stepped terminal for cooperative engagement with the stepped terminal of the lever, and means whereby the dog may be manually raised for unlocking engagement with the lever.

1,517,642. SUGAR-BEET HARVESTER. FREDERICK W. KRAFFT, Berkeley, Calif. Filed Feb. 12, 1921. Serial No. 444,500. 7 Claims. (Cl. 55-108.)



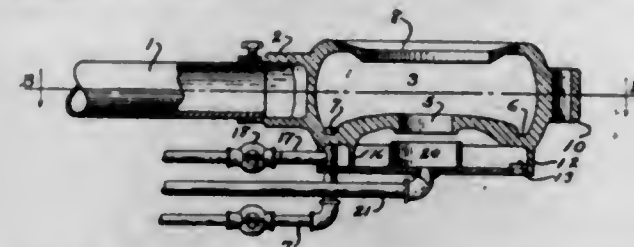
1. In a beet harvester, a wheeled supporting frame, a transverse shaft therein, beet top holding means, gripping members co-operating therewith, rotary means for forcing said gripping members toward each other, reciprocating topping means, means for pulling the beet out of the ground by the rotation of said shaft, and means whereby the topping means are actuated as the gripping means pass them.

2. In a beet harvester a wheel supported frame, a transversely extending shaft rotatably carried thereby, means for rotating said shaft during advancement of the harvester, disks encircling said shaft, frames radiating from said disks, beet top gripping members extending inward from said frames, arcuate guides to close said frames when moving to their lowermost position, springs for holding said gripping means apart and ratchet pawls for holding them in their closed position, upward opening doors, reciprocating topping knives and means for receiving the beet body.

6. In a beet harvester, a wheel supported frame, a transverse rotary shaft therein, beet top gripping members carried by said shaft, arcuate guides fixed rela-

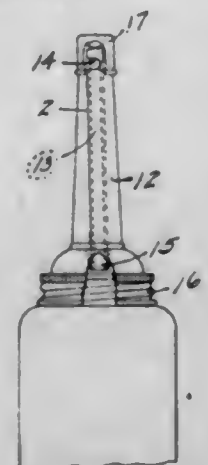
tively to said shaft to actuate the gripping members, means for holding said gripping members in closed position, means for holding them in open position, reciprocating topping means, and means for receiving the beet bodies.

1,517,643. OIL BURNER. FRANCIS KRONE, HERMAN J. ALLEN, MARVIN LEE, and JOHN L. GARLOUGH, Wichita, Kans. Filed Aug. 7, 1923. Serial No. 656,246. 2 Claims. (Cl. 158-28.)



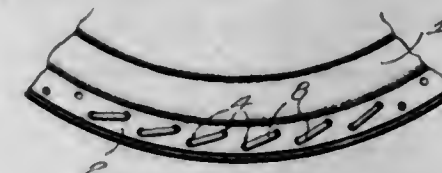
1. In a forced draft oil burner, a circular combustion chamber, said chamber having a defective tangential inlet adapted to spirally circulate the air when forced into said chamber, an air supply pipe connecting with said inlet, said pipe being in alignment with the axis of said combustion chamber, said chamber having openings concentric thereto, an annular ring rabbeted in one of said openings and the bottom of said chamber being crowned forming an annular depression for containing fuel oil at the periphery of said chamber, and the opening in said bottom to function as an air inlet carrying the pilot light flame for ignition purpose, a fuel oil supply pipe communicating with said annular depression, an annular flange integral with said combustion chamber said flange having inwardly extending ears as supporting means for said base plate, a base plate having protruding members registering with said ears so that the position of said plate provides an annular opening functioning as an air inlet, a baffle plate extending downward and engaging with the plane of said base plate, a gas burner functioning as a pilot light flame from said burner deflecting from said plate transmitting the heat to the base of said combustion chamber, and the said burner flames function as lighting means for the gas vapor in said combustion chamber by reason of the combustion created by the circulation of air drawing the flames through the opening in the bottom of said combustion chamber.

1,517,644. INTEGRAL SPOUT AND AIR VENT FOR LIQUID CONTAINERS. CHARLES MAX KRUGER, St. Louis, Mo. Filed Sept. 7, 1923. Serial No. 661,397. 4 Claims. (Cl. 215-70.)



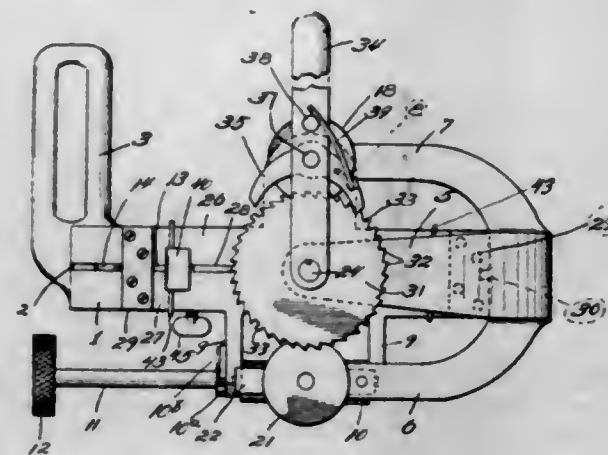
1. A rolled, sheet metal spout for containers, and an integrally formed air vent therein, the latter having an air port opening laterally outward from the spout; the said air vent being formed by overlapping one edge of the metal blank having an air notch cut therein upon a groove formed along the opposite edge, with the air notch positioned over the groove.

1,517,645. BASKETRY. MAUD ETHEL KURRE, Jackson, Mo. Filed July 30, 1923. Serial No. 654,792. 2 Claims. (Cl. 217-122.)



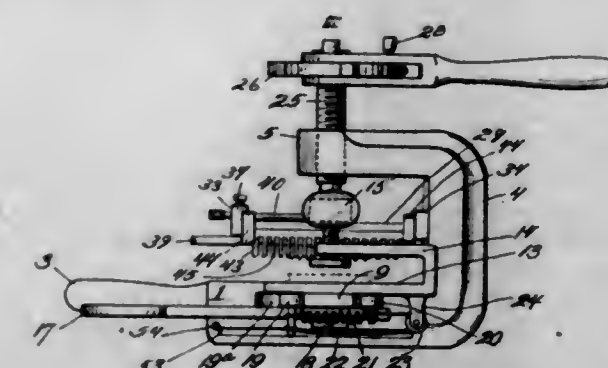
1. An article of manufacture comprising a base having spaced openings around its edge, and basketry including reeds doubled between their ends and having said ends passed through adjacent openings to secure the reeds to the base, one end of each reed being extended upwardly from said base, while its other end is directed downwardly and around the edge of the base to form a skirt depending from said base.

1,517,646. BELT TIGHTENING AND CUTTING DEVICE. WALTER S. LAKE, Kansas City, Mo. Filed Nov. 27, 1922. Serial No. 603,620. 2 Claims. (Cl. 164-79.)



1. In a device of the character described, a base, a knife in said base, means to clamp one end of a belt upon said base, means for stretching the belt and causing its other end to overlap the first-named end, and means to effect the severing of said overlapped end of the belt by said knife.

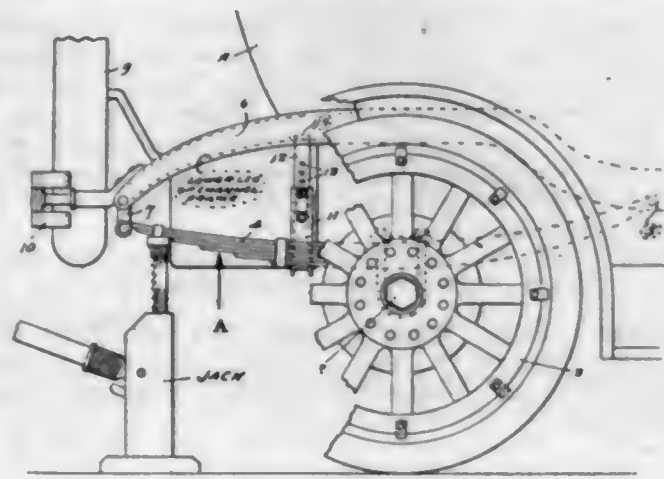
1,517,647. BELT-FASTENING MACHINE. WALTER S. LAKE, Kansas City, Mo. Filed Aug. 27, 1923. Serial No. 659,522. 7 Claims. (Cl. 1-50.)



1. In a belt fastening machine, a slotted base, vertically adjustable power means, a fastener holder carried by said means above the base having comb edges and a plurality of vertical guides, vertically movable combs extending through the comb edges, and means for supporting a toothed belt fastener at the underside of the

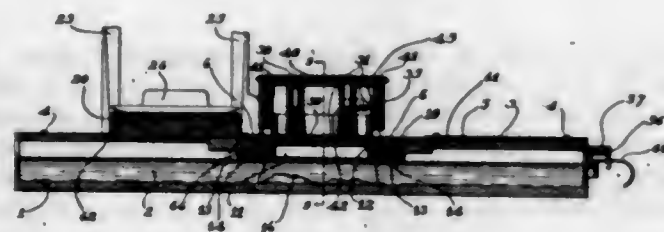
holder, the teeth of the fastener standing between teeth of the combs until the application of force by the power means forces the fastener teeth through adjacent ends of the belt and against the base on which such belt ends rest at opposite sides of the said slot.

1,517,648. WHEEL-JACKING METHOD AND DEVICE. JOHN T. LARSON, Burlingame, Calif. Filed Apr. 14, 1924. Serial No. 706,492. 2 Claims. (Cl. 254-1.)



1. The method of jacking up the wheel of a vehicle wherein the axle of the wheel is carried by a leaf spring hung from a connection to the frame of the vehicle, which consists in engaging the spring and frame in a device to prevent spreading apart of the spring relative to the frame, and of jacking up the spring at a point between said device and the frame connection.

1,517,649. STENCIL-MOISTENING DEVICE. CYRUS E. MORRHOUSE, Philadelphia, Pa. Filed Nov. 4, 1921. Serial No. 512,707. 11 Claims. (Cl. 91-38.)

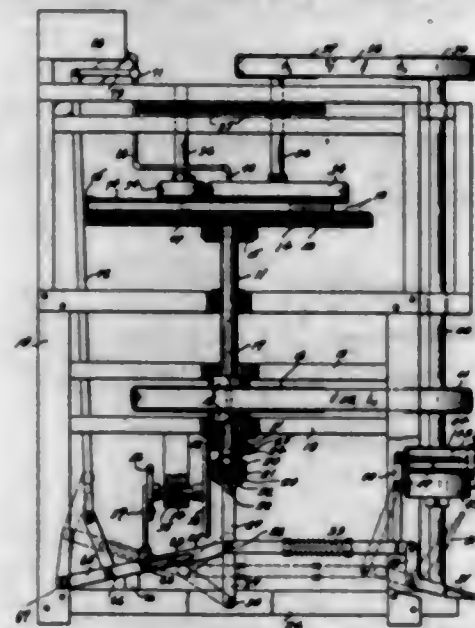


1. In a stencil moistening device, the combination of moistening pads one of which is slidably supported and is adapted to be moved into and out of opposed relation with respect to the other, and means for effecting movement of the said other pad transversely of the plane of the first named pad toward and from the same.

1,517,650. METHOD OF TREATING SUBSTANCES USED IN FERMENTING INDUSTRY. EDUARD MUFANG, Kirm-on-the-Nahe, Germany, assignor to The Corporation of Nathan-Institut Aktiengesellschaft, Zurich, Switzerland. Filed May 31, 1919. Serial No. 301,116. 7 Claims. (Cl. 195-20.)

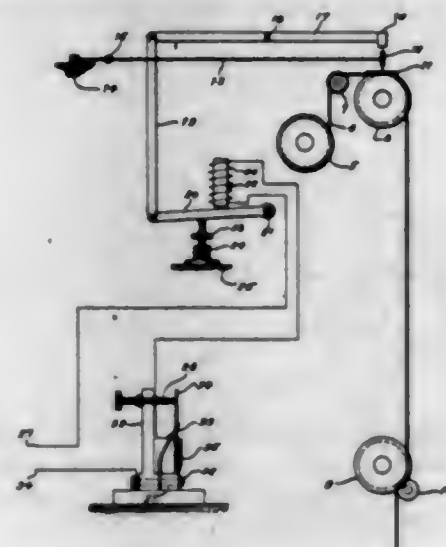
1. In the process of brewing beer, the method which consists in removing testin-acid from substances containing the same to improve them for use in the beer-brewing process which consists in treating such substances with a dilute solution of a suitable substance having an alkaline reaction until such acid has been converted into a readily soluble salt, then discontinuing such treatment before the yeast is substantially injured for beer making, separating the resulting salt solution, and using the remaining substance for brewing beer.

1,517,651. HAT-BRUSHING MACHINE. FREDERICK W. PITZER, South Norwalk, Conn. Filed Nov. 1, 1923. Serial No. 672,007. 13 Claims. (Cl. 26-29.)



1. In a hat brushing machine, a rotatable table for holding the hat to be brushed, a pair of brushes above the table and rotatable in a plane substantially parallel with the table, and means for rotating the table and brushes.

1,517,652. RECORDING MECHANISM. FRANK W. QUARLES, Baltimore, Md. Filed Mar. 15, 1922. Serial No. 543,842. 4 Claims. (Cl. 234-15.)

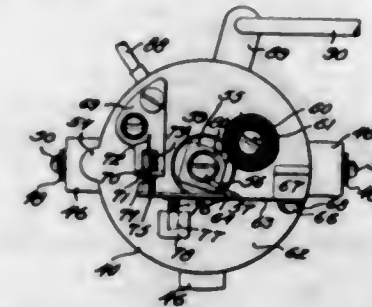


4. In a register, the combination with a stylus, a record, means for moving said stylus, means for moving said record and a source of electricity, of a ball for producing a pressure of said stylus upon said record, a magnet core and coil thereupon having one end connected to said source, an armature for said core connected to said ball, a fixed contact connected to the other end of said coil, a movable contact connected to said source and an expansible element connected to said movable contact, and a heating coil having its ends connected to said contacts.

1,517,653. COMBINED TIMER AND DISTRIBUTOR. LEWIS T. RHOADES, Mont Clare, Pa., assignor to New York Coil Company, New York, N. Y. Filed Dec. 7, 1920. Serial No. 423,863. 4 Claims. (Cl. 200-21.)

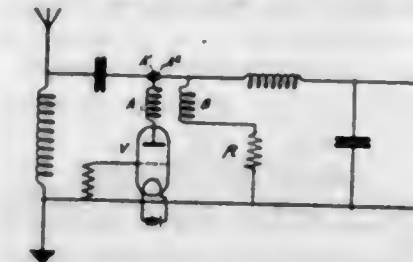
2. Apparatus of the character described including an operative cam; an electric contact member; a supporting structure; a contact operating arm including a contact portion and a flexible spring plate having a portion rigidly secured to the supporting structure; and a spring

independently operative to flex said plate to move and hold said contact portion of the arm in engagement with said contact member, said cam being operative to flex said plate in an opposite direction against the action of said spring to separate the contact portion of the



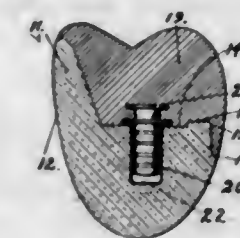
arm from said contact member, the connection between said spring plate and the supporting structure including a slot in the plate and a screw extending through said slot into the supporting structure; substantially as described.

1,517,654. WIRELESS SIGNALING SYSTEM. HENRY JOSEPH ROUND, London, and ARCHIBALD MCLELLAN, Swansea, England, assignors to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Mar. 30, 1921, Serial No. 457,152. Renewed Apr. 15, 1924. 8 Claims. (Cl. 250-17.)



4. A wireless signaling system comprising in combination, a valve, an oscillating circuit and means for automatically interrupting the supply of energy to the valve on the current in the oscillating circuit falling below a certain value.

1,517,655. DENTAL BRIDGE. DONALD E. SMITH, Sioux City, Iowa. Filed Dec. 11, 1922. Serial No. 606,222. 1 Claim. (Cl. 32-12.)

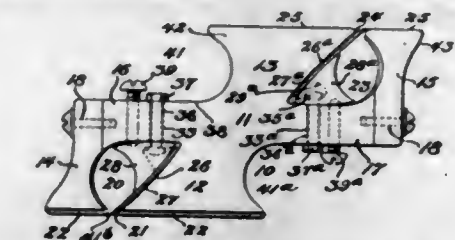


In combination a dental bridge dummy comprising a porcelain base having an egg-shaped root tip portion and an upwardly-extending outer face edge portion, a mounting therefor, the top of the base having a substantially horizontal surface to serve as a seat for the mounting, the upper end of the root tip portion being reduced to provide an external shoulder on which the mounting seats, an upwardly-extending ridge encircling the top edge of the said reduced portion, thereby forming a depressed portion within said ridge, and a pin adapted to be embedded in the mounting, the base having a vertical opening to receive the pin and in which the pin may be cemented, the mounting having a depression adapted to receive the ridge, and a downwardly-projecting lip adapted to engage the external shoulder.

1,517,656. HAND PLANE. GEORG STEINDINGER, Philadelphia, Pa. Filed Apr. 16, 1924. Serial No. 706,906. 9 Claims. (Cl. 145-5.)

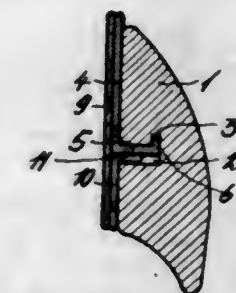
1. A hand plane including a body portion with two planing stocks arranged in stepped formation and a

portion connecting said stocks; and bits secured to said stocks; said connecting portion being located between



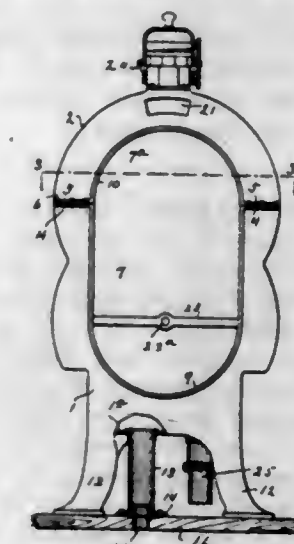
the cutting edges of said bits whereby as one stock is being used for planing purposes the other stock forms a handle for the manipulation of the plane.

1,517,657. ARTIFICIAL TOOTH. HANS STURM, Reichenberg, Czechoslovakia. Filed June 6, 1923. Serial No. 643,732. 4 Claims. (Cl. 32-9.)



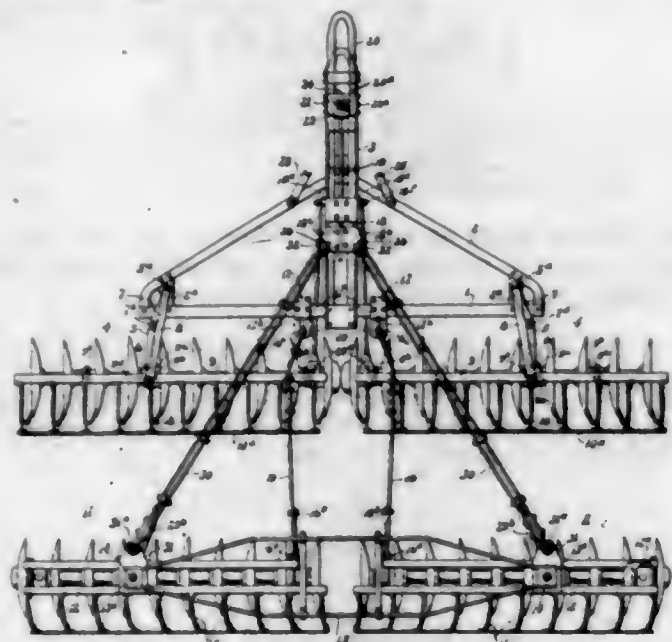
1. An artificial tooth, comprising, in combination, a tooth having a hook-shaped undercut recess and a narrow slot in communication therewith, a back plate having a hooked anchoring member extending into said recess and engaging the hook-shaped portion thereof, said anchoring member having a resilient stem portion adapted to be temporarily deformed to permit the hook of the anchoring member to be introduced into said recess through said slot, and wedging means for securing the anchoring member in said slot with its hook portion in engagement with the hook shaped portion of the recess, said wedging means forming a reinforcement for said stem for a portion of its length adjacent to the back plate.

1,517,658. CASING FOR WEIGHING MECHANISMS. CARL GUSTAV VON POST, Stockholm, Sweden; Anna von Post, executrix of said Carl Gustav von Post, deceased, assignor to Aktiebolaget Originalodhner, Gottenborg, Sweden, a Corporation of Sweden. Filed Sept. 28, 1921. Serial No. 503,950. 4 Claims. (Cl. 205-27.)



1. A casing comprising opposing U-shaped members provided with legs registering with one another at the extremity, walls fitted to said members at the openings formed thereby at either side, means to retain said walls upon said members, and means to secure said members together.

1,517,650. DISK HARROW. FREDERICK C. WARNE, Mansfield, Ohio. Filed Dec. 10, 1917. Serial No. 206,533. 54 Claims. (Cl. 53—83.)



9. In a tractor drawn double disk harrow, front and rear units, front and rear pivoted disk gangs on said units, and a relatively movable draft appliance provided with draft bars connected to the inner and intermediate portions of said front and rear disk gangs, respectively.

37. In a harrow, front and rear frames, disk gangs carried thereby, means for automatically straightening said rear gangs in backing, and means including a draft device for setting an angle for the rear gangs in backing and for assuming the angle so set on the next forward pull.

38. In a harrow, a frame, disk gangs carried thereby, a draft device adapted to receive the pull of the harrow, said device being slidable with respect to said frame, ratchet means for locking said draft device with respect to said frame and releasing means operable from a point outside the harrow.

49. The combination with a tractor having a draft device, of an earth engaging element; and a setting and tripping draft connection between the tractor and said element, whereby when the tractor is advanced said connection interlocks at selective positions to determine the effective ground engaging angle of said element.

52. In a harrow, tandem frame units and tillage gangs, a relatively fixed draft guide on one of said frame units, relatively movable draft connections guided by said guide and connected to the inner and intermediate portions of said front and rear tillage gangs, respectively, and relatively longitudinally fixed draft connections connected to one of said frame units and the opposite inner portions of said rear tillage gangs.

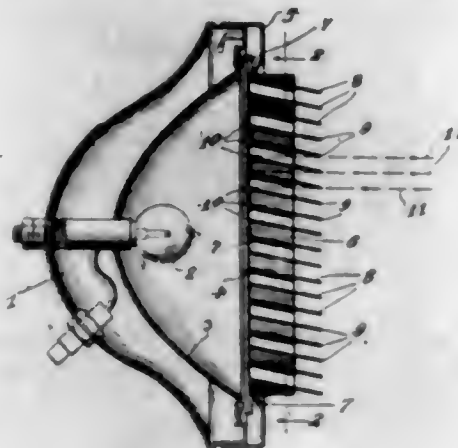
1,517,660. ELECTROLYTE. HENRY H. WILLIAMS, Abilene, Tex., assignor of one-third to Herbert B. Mundt and one-third to Charles H. Sieg, both of Chicago, Ill. Filed June 20, 1923. Serial No. 646,654. 2 Claims. (Cl. 136—29.)

1. An electrolyte solution for electric batteries containing the following materials in the proportions named: 63 quarts of distilled water; 67 quarts of sulphuric acid; 2 ounces of zinc oxide, preferably first diluted in three quarts of water; 12 ounces of powdered alum, preferably first diluted in five quarts of water; $\frac{1}{4}$ of a pint of glycerine; 12 ounces of potash, dissolved in two quarts of water; 1 ounce of sulphate of iron.

1,517,661. GLARESHIELD FOR HEADLIGHTS. PAUL L. WILSON, Philadelphia, Pa. Filed May 10, 1923. Serial No. 637,976. 1 Claim. (Cl. 240—48.4.)

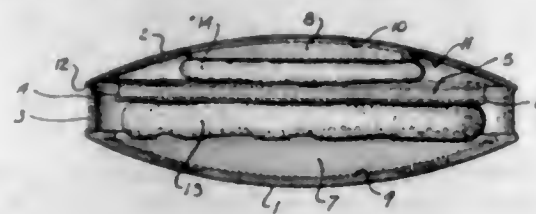
A glare shield for headlights including a band; a strip of metal bent to form inclined shielding plates

within the band and having their inner edges flush with the inner edge of the band and their entire outer edges projecting equal distances beyond the outer edge of the band, the outer edge of each plate and the inner edge



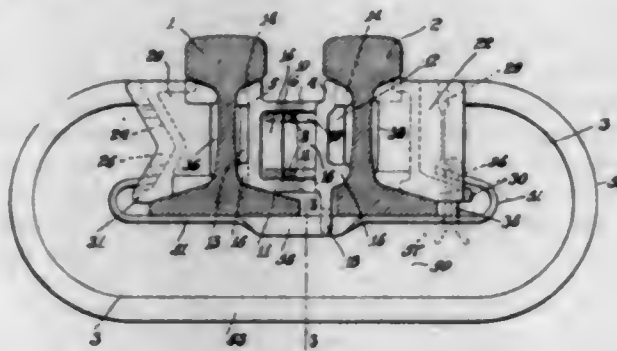
of the lower adjacent plate intersecting a horizontal plane, and means for securing the band to the headlight whereby the inner edges of the plates will abut the lens of the headlight.

1,517,662. TOILET BOX. RALPH W. WILSON, New York, N. Y., assignor to Theodore W. Foster & Brother Company, Providence, R. I., a Corporation of Maine. Filed Aug. 29, 1923. Serial No. 659,855. 6 Claims. (Cl. 132—83.)



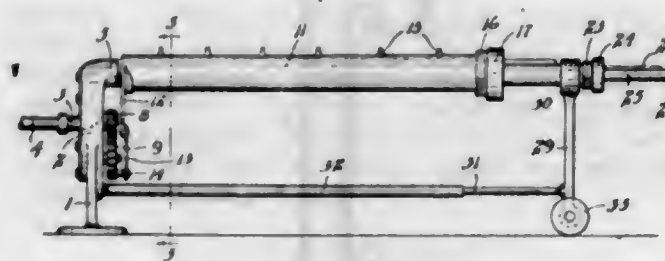
1. A toilet box having an exteriorly convex bottom and top whereby its thickness at the perimeter is considerably less than at the center, thereby giving the optical effect of a box thinner than a cylindrical box of uniform thickness throughout, in combination with a mirror within the box and one or more toilet compacts each having a convex bottom and substantially flat exposed face securely held in the concave-shaped interior.

1,517,663. GUARD-RAIL CLAMP. EMIL CARL ZIMMERMAN, New York, N. Y., assignor to Q & C Company, New York, N. Y., a Corporation of Maine. Filed Apr. 12, 1922. Serial No. 532,047. 4 Claims. (Cl. 238—21.)



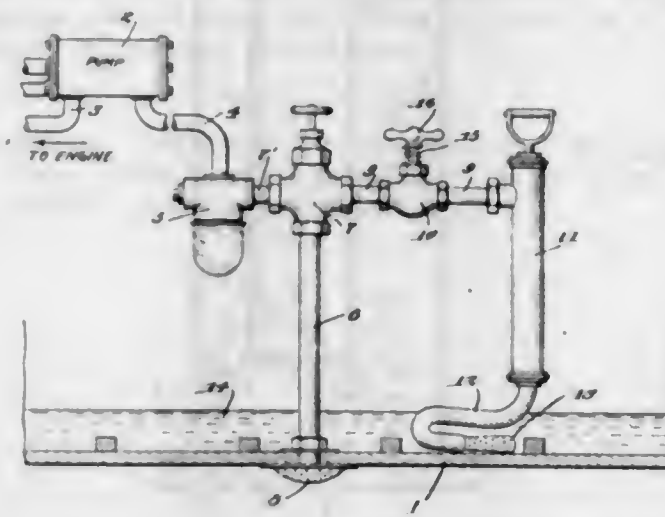
1. A guard rail clamp having in combination with the rail engaging parts, a clamping bar or yoke member having inwardly directed end portions formed to coact with the rail engaging parts in clamping the rail, said yoke member being formed of a standard rolled rail section bent and cut to form and subsequently heat treated to improve the physical structure of the steel.

1,517,664. EXTENSION LAWN SPRINKLER. CARL F. BERGQUIST, Minneapolis, Minn., assignor of one-half to Nels J. Veline, Minneapolis, Minn. Filed Mar. 19, 1923. Serial No. 626,009. 2 Claims. (Cl. 299—67.)



1. A device of the class described comprising a revoluble liquid motor having an inlet and an outlet conduit, a tube oscillatingly mounted on and axially aligned with said outlet conduit, a tube slidably mounted in said tube and held from rotative movement therein, an arm extending from said first mentioned tube, means driven by said motor connected to said arm for oscillating said tube, a support for said motor and first mentioned tube, and an extensible support connected to said first mentioned support and movable relatively thereto.

1,517,665. PUMPING SYSTEM. IARWIN CHASE, Bayonne, N. J., assignor to The Elco Works of The Electric Boat Company, a Corporation of New Jersey. Filed Jan. 24, 1924. Serial No. 688,173. 5 Claims. (Cl. 103—2.)

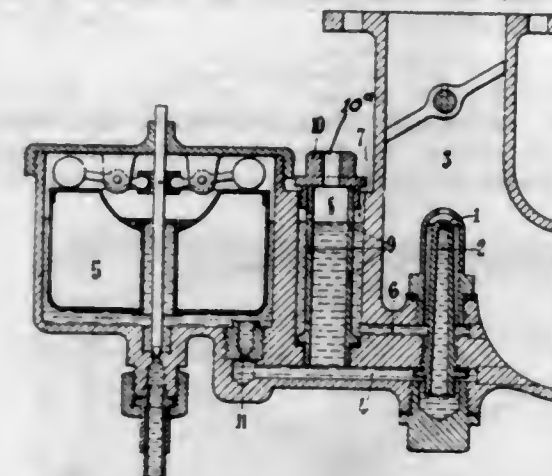


1. A pumping system comprising a pump, an intake conduit for said pump, having an inlet adapted to receive fluid from one source, and a second intake conduit for said pump, having an inlet adapted to receive fluid from a second source, a hand pump interposed in the second intake conduit, and means for controlling the passage of fluid through said conduits.

1,517,666. CARBURETOR. RENÉ COZETTE, Courbevoie, France. Filed June 30, 1920. Serial No. 393,080. 3 Claims. (Cl. 261—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)

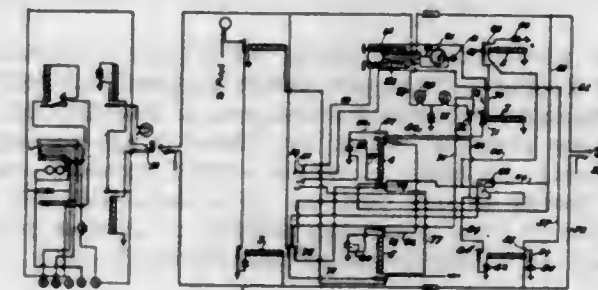
1. In a carburetor, a mixing chamber, main and compensating nozzles arranged in the mixing chamber, a constant level fuel reservoir, a variable level fuel reservoir, a duct connecting the main nozzle with the constant level reservoir and the variable level reservoir,

the latter being open to the atmosphere and being connected with the compensating nozzle, means for controlling the discharge of liquid fuel from the constant



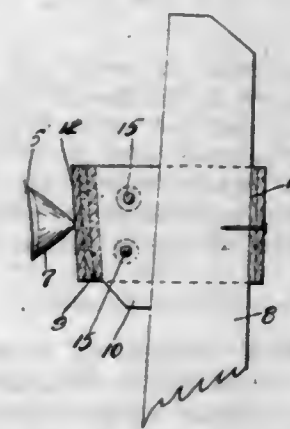
level reservoir, the connection between the compensating nozzle and the variable level reservoir having a variable cross sectional area.

1,517,667. MEASURED-SERVICE TELEPHONE. ARTHUR M. CRICHTON, Uniontown, Pa., assignor to Measured Service Meter Company, a Corporation of Delaware. Filed Oct. 16, 1920. Serial No. 417,398. 19 Claims. (Cl. 179—9.)



1. In a telephone exchange system, the combination of a calling subscriber's line, a called subscriber's line, connecting means for establishing communication between the lines, an interrupting device for the connecting means, and timing means cooperating with the interrupting device and rendered operative by the called subscriber to secure interruption of communication after the lapse of a predetermined interval.

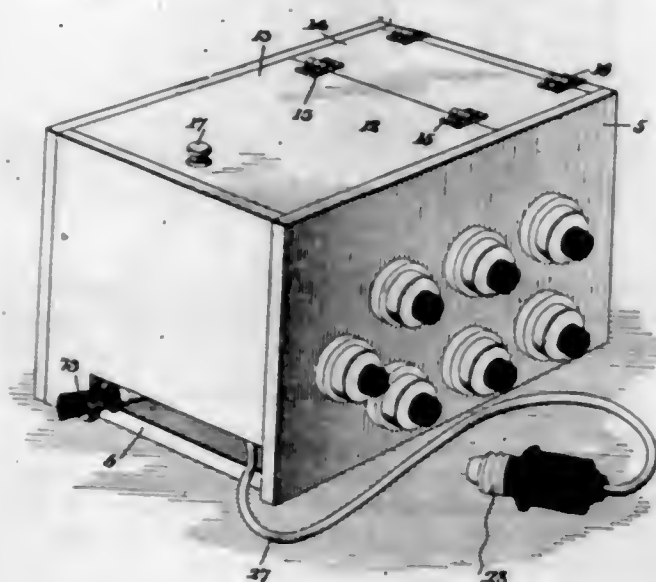
1,517,668. PICKER FOR LOOMS. EUSEBE H. DAUDLIN, Fall River, Mass. Filed Dec. 22, 1920. Serial No. 432,431. 1 Claim. (Cl. 139—159.)



The combination with a shuttle and a picker stick, of a picker fixed to said stick in position to receive and stop the motion of said shuttle, said picker comprising an endless band enclosing said stick, a wedge shaped filler positioned smaller end down between said stick and the outer wall of said band whereby the

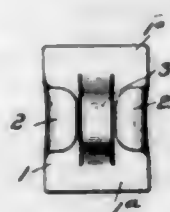
shuttle striking face of said picker is substantially perpendicular to the shuttle when the picker is retracted, and parallel rivets passing from side to side of said band through said filler above and below the line of motion of the shuttle.

1,517,669. PHOTOGRAPHIC-PRINTING APPARATUS. JERVIS C. DEANE, Washington, D. C. Filed Feb. 28, 1923. Serial No. 621,821. 4 Claims. (Cl. 95-73.)



1. A photographic printing apparatus, comprising a casing having a light penetrable support for receiving the photographic negative thereon, a plurality of electric lamps arranged within the casing in spaced relation, and means including a single switch element adapted when moved to one position to cause a selected lamp or lamps to glow and when shifted to another position to cause all of the lamps to simultaneously glow.

1,517,670. SEAL FOR CORDING AND THE LIKE. EMIL DIETZE, New York, N. Y., assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 15, 1922. Serial No. 601,090. 10 Claims. (Cl. 292-310.)



1. A seal to be pressed on cords, and the like, comprising a main member having lateral opposite intumed lips, and intermediate the lips a raised bridge formed by striking up a piece between slits in the main member, below the edges of which bridge the lips are compressed when the seal is fastened on the cords, so that the bridge may be seated closely against and over said lips.

1,517,671. DELIVERY TERMINAL FOR PNEUMATIC TRANSMISSION SYSTEMS. WILLIAM H. DINSELE, New York, N. Y., assignor to Atlas Devices Company, Inc., a Corporation of New York. Filed Oct. 11, 1921. Serial No. 507,093. 10 Claims. (Cl. 243-23.)

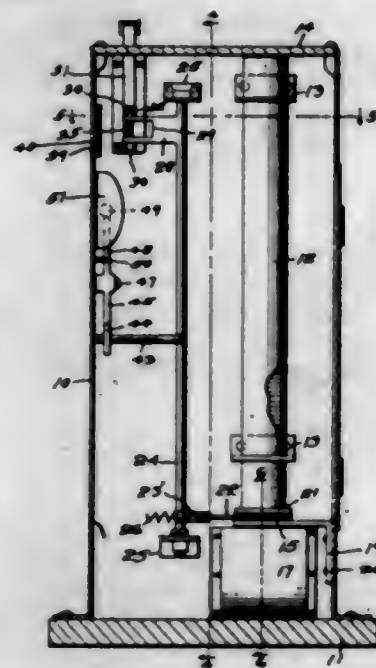
1. In a pneumatic dispatch tube system of the open or continuous flow type, a transit line comprising a tube for transmitting carriers from a sending to a receiving station, a normally closed delivery terminal for the tube at the receiving station, which is constructed and

arranged to receive carriers and retain them consecutively in the order in which they are discharged into the terminal, the latter being provided with an opening



for the removal of the carriers, and means at the end of the terminal for cushioning the impact of the carriers as they are delivered.

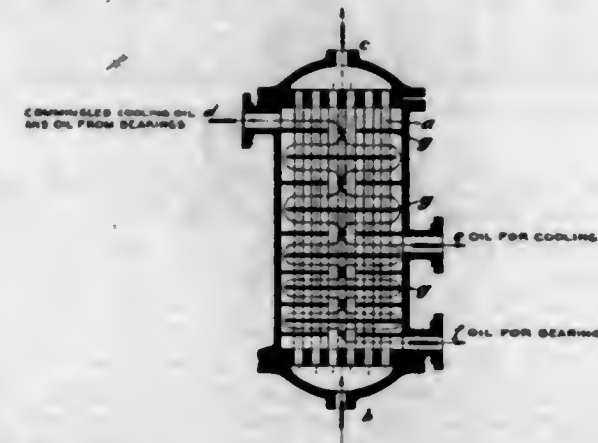
1,517,672. COIN-CONTROLLED APPARATUS. WILLIAM P. DWYER and RAYMOND T. HANLEY, Chicago, Ill. Filed Dec. 6, 1923. Serial No. 679,032. 1 Claim. (Cl. 194-73.)



In a coin controlled apparatus, a vertical casing having a delivery means near its bottom, a vertical tube to hold slugs arranged within the casing and extending throughout the major portion of the length of the casing and having its lower end near and above the delivery means, a vertical rock shaft disposed within the casing exteriorly of the vertical tube and extending throughout the major portion of the length of the tube, a horizontal ejector rigidly bodily mounted upon the lower end of the rock shaft and adapted to travel beneath the lower end of said tube, a spring to turn the rock shaft in one direction, a horizontal coin track disposed in the top of the casing and arranged upon one side of the upper end of the vertical rock shaft and spaced therefrom, a crank directly rigidly mounted upon the upper end of the rock shaft and projecting across the path of travel of the coin held within the coin track and adapted to be shifted by said coin out of said path of travel whereby the coin may pass beyond said crank, a coin inlet chute extending through the top of the casing and leading to the forward end of the

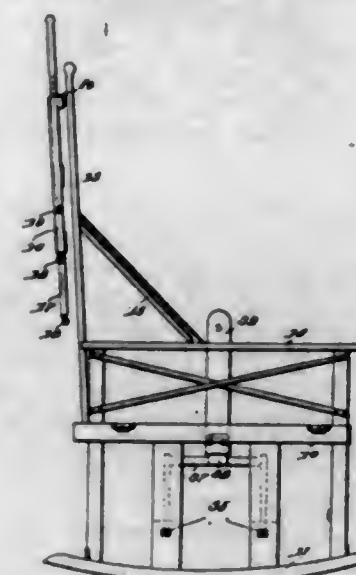
coin track, a plunger guide arranged upon the front side of the casing opposite the forward end of the coin track, and a plunger slidable within the guide and movable toward the forward end of the coin track to effect the travel of the coin therein.

1,517,673. APPARATUS FOR COOLING THE OIL FOR INTERNAL-COMBUSTION ENGINES. WILHELM EBERLE, Augsburg, Germany, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed June 29, 1921. Serial No. 481,442. 5 Claims. (Cl. 184-104.)



1. A system for cooling the oil used in cooling and lubricating Diesel engines, which comprises a cooling device, means for introducing the mingled cooling and lubricating oil from the engine thereinto, means for passing a cooling medium through the device in heat exchange relationship with the oil, an outlet from the device for the withdrawal of a portion of the oil, and an outlet for the remaining oil, these outlets being in spaced relation, such that the oil is withdrawn in two bodies of different temperatures.

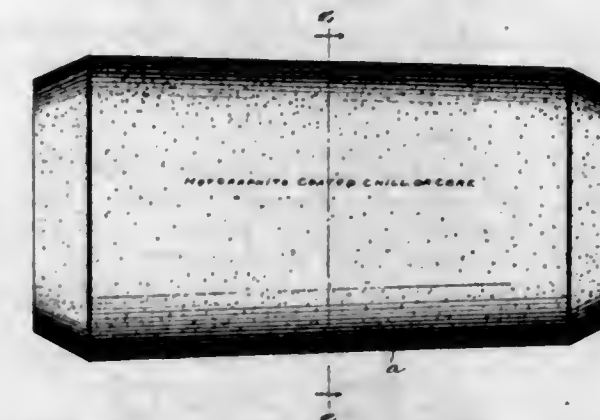
1,517,674. ARTICLE OF FURNITURE. WILLIAM J. GRAY, Fairfield, Ala. Filed Oct. 7, 1922. Serial No. 593,030. 1 Claim. (Cl. 155-73.)



The combination with a rocking chair, of guide elements arranged adjacent each leg of the chair, uprights vertically slidable in each upright, spaced pairs of parallel members extending from the sides of said chair, one pair being provided with longitudinally disposed slots, pins laterally projecting from the other pair and adapted to be received in slots, whereby the members are slidably and pivotally secured together for cooperative association for moving the uprights in the guides in a manner whereby the rocking chair will be elevated

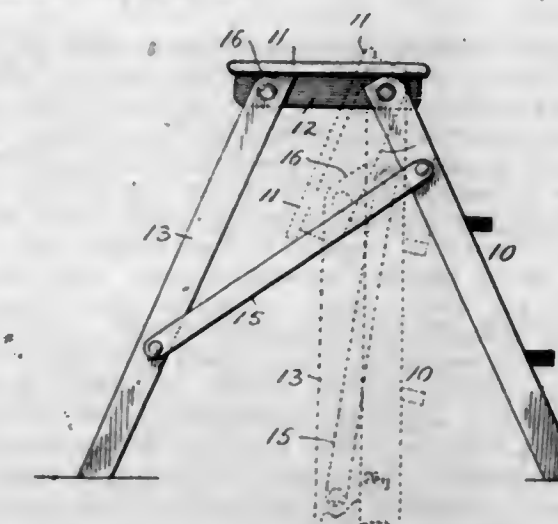
and converted into a straight chair, a cross piece connecting the members carrying the pins, an extension projecting from the cross piece intermediate its ends and a manipulating member rising from the opposite end of the extension.

1,517,675. CASTING. WILLIAM R. HARTUNG, Connell, Wash. Filed Mar. 5, 1921. Serial No. 449,850. 2 Claims. (Cl. 22-189.)



1. The herein described method of chilling and hardening castings and cylinders and sleeves which consists in preparing a mould and introducing a previously heated and graphite coated sand core therein, pouring the metal while the core is hot and filling the sand core with water of a certain temperature from the top prior to this disassociation of the core from the metal.

1,517,676. STEPLADDER. JAMES G. HAUGH, Bascom, Ohio. Filed Jan. 9, 1923. Serial No. 611,585. 1 Claim. (Cl. 228-2.)

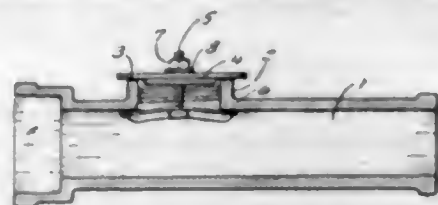


A step-ladder having side bars, a brace member having side bars, a platform having spaced parallel cleats on its underside to which the upper ends of said bars are pivotally connected overlying the sides of said cleats and straps consisting of straight bars pivotally connected with the side bars of said two members upon the outer sides thereof, the upper ends of the brace side bars bearing against the underside of the platform when the ladder is open, the pivots connecting said bars and cleats being below the underside of the platform and being situated in said side bars between the edges thereof.

1,517,677. REPAIR-COVER OUTFIT FOR TEST TEES OR CLEANOUT TEES. JOHN HEINKEL, St. Louis, Mo. Filed Nov. 25, 1922. Serial No. 603,352. 1 Claim. (Cl. 220-25.)

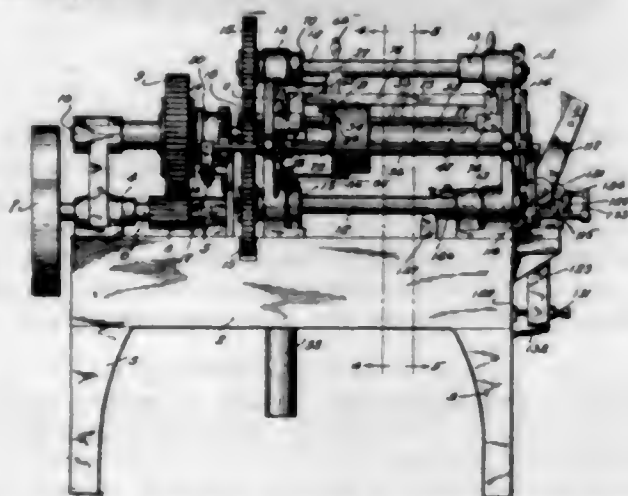
A device of the class described, comprising a circular plate, provided with a portion of reduced diameter on its inner face, and having central opening; an anchor-bar adapted for engagement with the inner end of a plumber's inlet tee and adaptable to openings of varying

diameters; a threaded stem connected with said anchor-bar and passing through the opening in said plate; and a tapped member on said stem, adapted to hold said plate



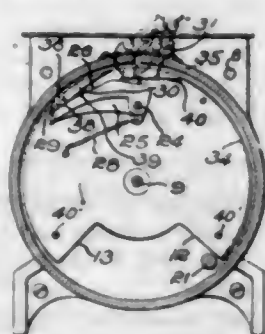
in adjusted positions with relation to said anchor-bar; said plate being capable of forming a closure for plumber's tees of varying diameters.

1,517,678. PIPE CORRUGATING AND BENDING MACHINE. CHARLES J. HOLUB, Columbus, Ohio, assignor of one-third to W. C. Lamneck and one-third to A. P. Lamneck, both of Columbus, Ohio. Filed July 13, 1921. Serial No. 434,449. 4 Claims. (Cl. 153-69.5.)



1. In a pipe forming machine, a frame, a longitudinally movable carrier mounted in connection with said frame and capable of receiving the end of a metallic pipe section, means operating to intermittently advance said carrier and the pipe section carried thereby longitudinally of said frame, a plurality of pipe corrugating members arranged circumferentially upon said frame about said pipe section and mounted in fixed guides upon said frame to move radially relative to said pipe section, separate power driven shafts to actuate said respective corrugating members, each provided with a crank pin, an eccentric sleeve rotatably mounted upon said crank pin, and a pitman connected to the corrugating member at one end and releasably clamped upon its eccentric sleeve at the opposite end, whereby each corrugating member is readily independently radially adjustable to provide for corrugating pipe sections of different diameters upon the same machine.

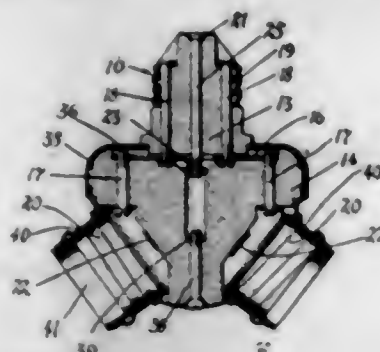
1,517,679. COIN-CONTROLLED APPARATUS. CHARLES LEE, Boston, Mass., assignor to The Automatic Merchandizer, Inc., Boston, Mass., a Corporation of Delaware. Filed Aug. 28, 1920. Serial No. 406,619. 11 Claims. (Cl. 194-63.)



2. In a vending machine, a carrier having an initial position and mounted to move to a discharging position, a charging position intermediate the first mentioned

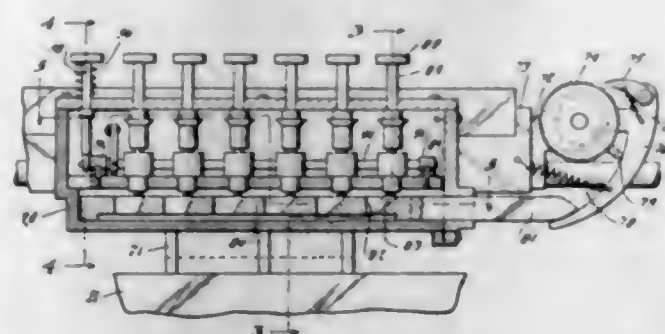
positions, coin controlled locking mechanism arranged to enforce the movement of said carrier to the initial position preliminary to its movement to the discharging position, and said locking mechanism comprising a single pawl and a pair of spaced stop members cooperating with said pawl.

1,517,680. PLUG CLUSTER. ARTHUR P. LEINEN, Chicago, Ill., assignor to The Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1920. Serial No. 384,872. 6 Claims. (Cl. 173-336.)



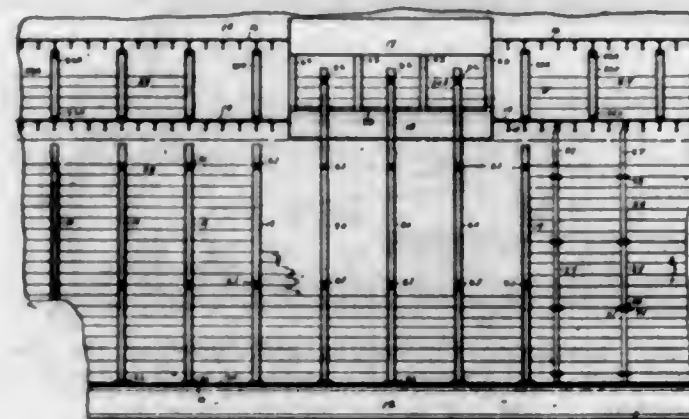
1. A plug cluster comprising a plug portion and a receptacle portion, said plug portion comprising an insulating base and center and side plug contacts insulated from each other thereby, said receptacle portion comprising a second insulating base, and receptacle contacts mounted thereon, a connector member lying intermediate said bases, means for securing said connector member to said first base, comprising a screw extending through said first base, and threaded into said connector member, and means for securing said second base to said connector member, comprising a screw extending through said second base and threaded into said connector member, said connector member lying substantially in a plane transverse to the axis of the plug, said insulating bases having opposed surfaces lying substantially in transverse planes, between which surfaces said connector member is embraced.

1,517,681. INDEXING DEVICE FOR SLICING MACHINES. PATRICK J. LUCEY, Chicago, Ill., assignor to Lucey Slicing Machine Co., Chicago, Ill., a Corporation of Illinois. Original application filed June 5, 1922, Serial No. 566,067. Divided and this application filed Mar. 3, 1924. Serial No. 696,711. 8 Claims. (Cl. 146-102.)



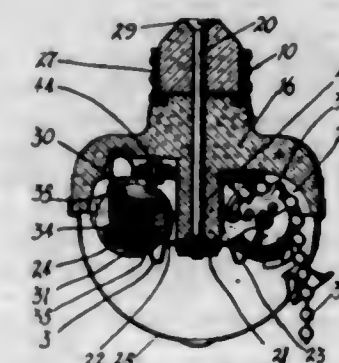
1. An indexing device for a slicing machine having a feed mechanism, said device comprising supporting means and means for mounting said device on the machine, an indexing member for engaging the feed mechanism, said member being provided with a plurality of cam means, and a plurality of members movably mounted in said supporting means, each movable member being arranged to engage and operate one of said cam means and thereby move the indexing member independently and a different distance.

1,517,682. SHIFTING BOARD. ROBERT MCINTOSH, Portland, Oreg. Filed Aug. 30, 1922. Serial No. 385,167. 1 Claim. (Cl. 114-75.)



The combination of a round ship stanchion with a plurality of shifting boards bearing against said stanchion and joined at their ends by grooved wooden stanchions, some of said boards having pairs of notches in their edge opposite said round stanchion, an upright timber between said notches, a U-bolt around said round stanchion and passing around said upright timber, and a yoke across the ends of said U-bolt adapted to clamp said shifting boards between said timber and round stanchion without passing said U-bolt through said shifting board.

1,517,683. PULL-SWITCH CLUSTER. PAUL D. PHILLIPS, Elmhurst, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1920. Serial No. 408,488. 6 Claims. (Cl. 173-338.)

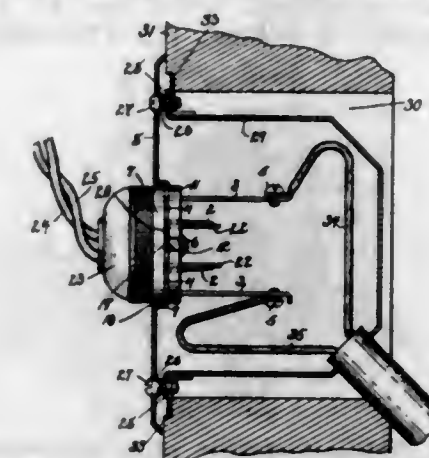


1. A pull switch plug receptacle comprising a plug portion, a receptacle portion and a plurality of switches, said plug portion comprising a contact for engaging the contact of a socket, said receptacle portion comprising an integral inverted cup-shaped insulating base, forming a housing and support, shell contacts supported by said insulating base, and a switch base of sheet material supported by said cup-shaped insulating base above said threaded shell contacts, means for mounting said switches on said switch base, and means for mounting said switch base on said insulating base independently of said switch mounting means, whereby said switch base and said plurality of switches are detachable from said insulating base as a unit.

1,517,684. PUSH-TYPE FLUSH RECEPTACLE FOR ELECTRIC INSTALLATION. ADOLPH C. RECKER, Oakville, Conn., assignor to The Chase Companies Inc., Waterbury, Conn., a Corporation. Filed July 2, 1920. Serial No. 393,591. 8 Claims. (Cl. 173-330.)

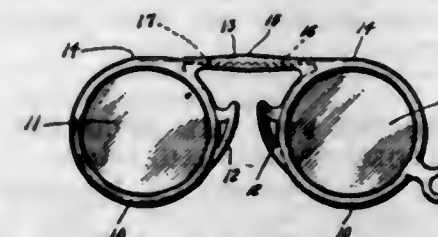
3. A push-type flush receptacle for electric installation, having a mounting-plate, two one-piece metal parts, each comprising a spring-contact, a wiring-terminal, and

a reach connecting the same, two insulating-members applied to the plate on opposite sides thereof and adapted to receive the reaches of the said parts between them,



and to insulate the same from the plate and from each other, and means for mounting the said members on the said plate.

1,517,685. OPHTHALMIC MOUNTING. WAYNE S. SEARLES, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 19, 1922. Serial No. 582,879. 6 Claims. (Cl. 88-45.)



1. An ophthalmic mounting comprising a pair of non-metallic lens rims having nose-gripping portions and said rims being connected together adjacent their upper edges by a substantially tangentially-disposed resilient non-metallic bridge bar extending directly across between the rims and formed structurally integral at its ends with said rims for applying tension to said nose-gripping portions.

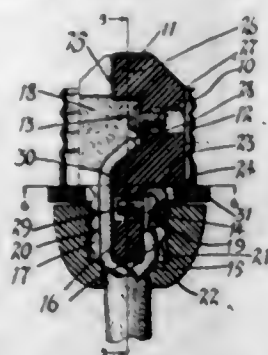
1,517,686. PRODUCING ALUMINUM FLUORIDE-ALKALI-METAL FLUORIDE DOUBLE COMPOUNDS PRACTICALLY FREE FROM IRON. HEINRICH SPECKETER, Griesheim-on-the-Main, JULIUS SÖLL, Schwannheim-on-the-Main, and ROBERT BILFINGER, Griesheim-on-the-Main, Germany, assignors to The Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Filed Sept. 1, 1923. Serial No. 660,636. 7 Claims. (Cl. 23-88.)

1. Process for producing aluminum-alkali-metal double fluorides practically free from iron, consisting in precipitating under stirring the said double fluorides from aluminum salt solutions containing iron by the addition in presence of free mineral acid, of substances which on dissolving in water form fluorine ions and alkali-metal ions, the said precipitants being added to such an extent that just a little bit of unchanged aluminum salt is left in solution.

1,517,687. MANUFACTURE OF FERTILIZER BY OPENING UP PHOSPHATES WITH NITRIC ACID. GUSTAV ADOLF VOERKELIUS, Bleibach-on-the-Rhine, Germany. Filed Aug. 30, 1921. Serial No. 496,958. 5 Claims. (Cl. 71-7.)

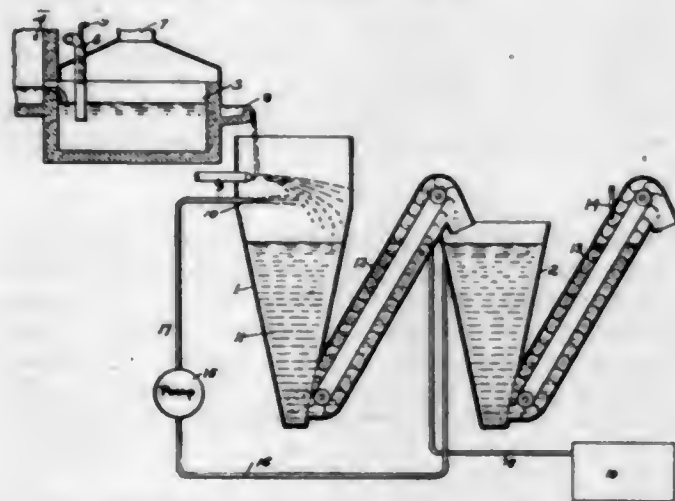
1. A process for the manufacture of fertilizer, consisting in treating phosphate bearing material with nitric acid, thereby forming calcium nitrate, in the presence of soluble sulphate thus producing by double decomposition between the calcium nitrate and the soluble sulphate insoluble calcium sulphate and a nitrate.

1,517,688. SWIVEL-SHELL ATTACHMENT PLUG. CHESTER E. WARNER, Berwyn, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 18, 1920. Serial No. 404,366. 2 Claims. (Cl. 173-359.)



1. A swivel shell attachment plug comprising an insulating base having a body portion and a reduced threaded extension, and a shoulder portion between said body portion and extension, a threaded shell contact having an inwardly extending annular flange swiveled on said shoulder portion, a center contact mounted on said body portion, a wiring terminal for said center contact mounted on said body portion inside said threaded shell contact, a wiring terminal for said shell contact mounted on said threaded extension outside said threaded shell contact, and a cord grip member screwed on said threaded extension for holding said swivel shell in place on said shoulder and gripping the cords leading to said wiring terminals.

1,517,689. PROCESS FOR THE RECOVERY OF METALLIC VALUES FROM SLAG. HARRY V. WELCH, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 7, 1920. Serial No. 408,637. 5 Claims. (Cl. 75-18.)

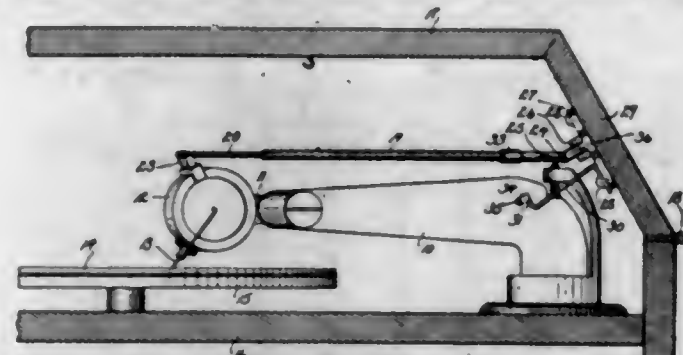


1. The process of recovering metallic values from molten metallurgical slag, which consists in bringing said slag, while still molten, in contact with a halidizing agent in an oxidizing atmosphere so as to form volatile compounds with a metallic constituent of the slag, collecting the material thus volatilized from the slag and subjecting the slag residue to leaching operation to recover metallic values therefrom.

1,517,690. AUTOMATIC SETTING DEVICE FOR PHONOGRAPHS. STEPHEN JOSEPH ABT, New Haven, Conn. Filed Aug. 8, 1923. Serial No. 656,356. 3 Claims. (Cl. 274-14.)

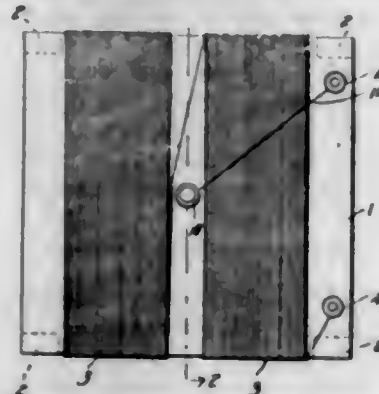
1. In an automatic setting device for phonographs, the combination with a tone-arm, of a diaphragm-head, a needle carried thereby, a pivotal cabinet-cover constituting a prime-mover, an extensible universal-joint connection between the said cover and diaphragm-head,

whereby the same is lifted and lowered as the cover is opened and closed, and a lifting-and-shifting cam carried and operated by the said cover and coacting with



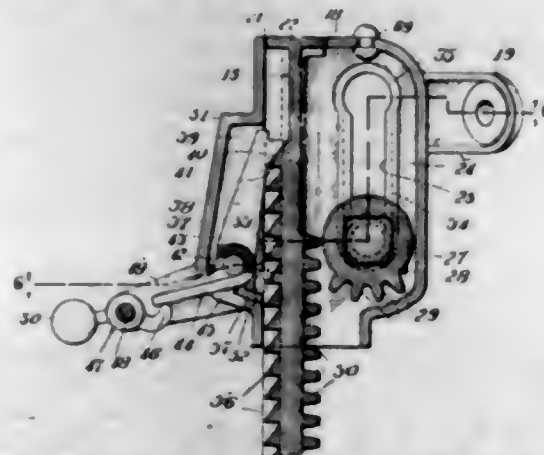
the said connection for raising and lowering the diaphragm-head and shifting it laterally with respect to the record.

1,517,691. VARIABLE-INDUCTANCE TUNER. IRVIN O. ANDERSON, Trinidad, Colo. Filed Dec. 7, 1922. Serial No. 605,445. 1 Claim. (Cl. 171-242.)



In a radio variable inductance, an outer flat member, an inner flat member rotatable relative to the outer member, inductance coils wound around said members, a trunnion screw mounted in one side of the outer member and in supporting relation with the inner member, a stem mounted in the opposite side of the outer member and having connection with the inner member to rotate therewith and form a support therefor, and a plate attached to a side of the outer member and engaging said stem to retain it in given position, said trunnion screw and stem operating to electrically connect the wires forming the coils surrounding the two members.

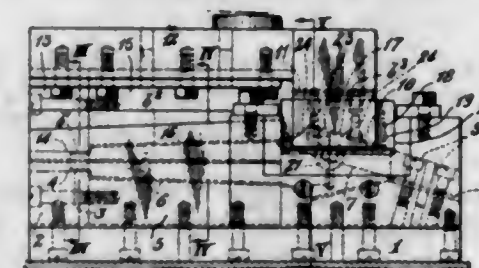
1,517,692. APPARATUS FOR MANIPULATING BRAKES. HARLEY E. ANDERSON, Chicago, Ill., assignor to C. H. Bosworth, Charles B. Moore, C. A. Carscadin, and John H. S. Lee, Copartners doing business under the firm name of Bosworth, Moore & Carscadin. Filed Aug. 5, 1921. Serial No. 490,080. 27 Claims. (Cl. 74-119.)



1. In apparatus for manipulating the brakes of a railway car, the combination of a power transmission element movable in the direction of its length, and a lever

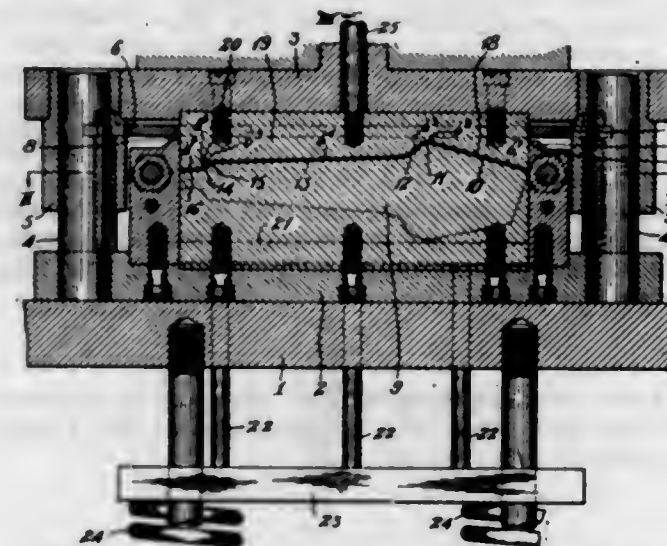
oscillatable in a substantially vertical plane and provided with means which, when the lever is raised, engages directly with and moves the transmission element and, when the lever is released by the operator, is automatically disengaged from the transmission element.

1,517,693. DIE. HERALD P. ARNT and THOMAS N. AIKENS, Lakewood, Ohio. Filed July 16, 1921. Serial No. 485,353. 3 Claims. (Cl. 153-49.)



1. A die comprising a shoe, a block detachably carried thereby, and a mandrel detachably carried by said block, said block and mandrel having an interlocking connection along a sloping plane and the mandrel projecting beyond one end of its line of connection.

1,517,694. WHEEL-SPOKE DIE AND METHOD OF ITS USE. HERALD P. ARNT and THOMAS N. AIKENS, Lakewood, Ohio. Filed July 16, 1921. Serial No. 485,354. 4 Claims. (Cl. 153-48.)



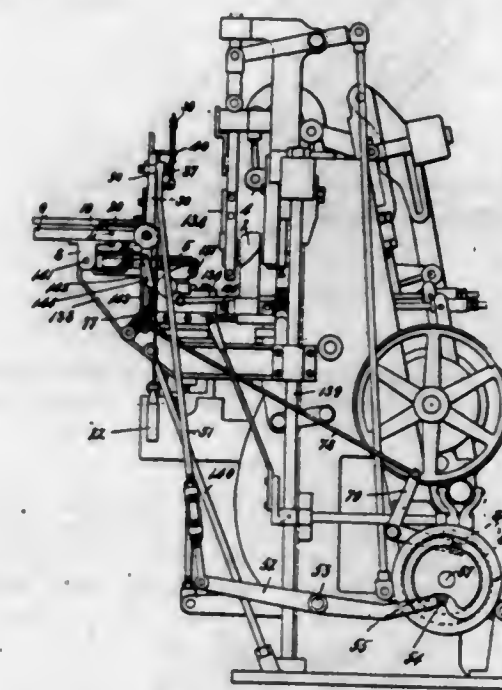
1. The procedure in the method of making a hollow wheel spoke from sheet metal which consists in first bending opposite ends of a blank downwardly about a line and then forming it to concavo-convex shape in both directions from the plane in which said line lies and so that one end is of progressively reduced dimensions.

4. A forming die having a surface at one end flat and having nearer its other end a straight raised line extending across from one side to the other, the other end of said die being of concave form, opposite ends of said die sloping downwardly in directions away from said raised line.

1,517,695. AUTOMATIC COUNTER-MOLDING MACHINE. ALBERT E. AYER, Winthrop, Mass., assignor to W. H. McElwain Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1919. Serial No. 315,844. Renewed Oct. 2, 1924. 14 Claims. (Cl. 12-64.)

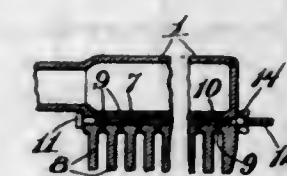
1. In a machine for operating on counter blanks, the combination of a magazine in which the blanks are stacked, pickers movable forward and backward in a path substantially parallel to the endmost blank in the magazine, operating mechanism for said pickers, including means for jabbing the pickers into the face of the

endmost blank to enable the pickers to carry said blank forward with them out of the magazine, and a spring pressed plunger mounted opposite each of said pickers



and tending to close the space through which the blank is forced out of the magazine, said plungers each having a groove formed therethrough in which the pickers can travel when the magazine is empty.

1,517,696. FOUNTAIN COMB. CHARLES BALCO, Van Meter, Pa. Filed Oct. 4, 1924. Serial No. 741,626. 1 Claim. (Cl. 132-13.)

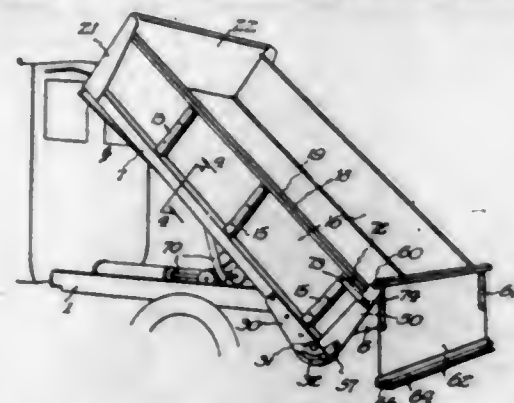


A fountain comb comprising a member constituting a reservoir, an outstanding rib extending along a face of the reservoir and provided with outstanding teeth, said rib having openings extending therethrough communicating with the reservoir and discharging between the teeth, said rib having an opening disposed longitudinally therethrough, an elongated valve member slidably disposed through the bore of the rib and of a length to extend beyond the opposite ends of the rib, said valve member being provided with openings registering with the first named openings when said valve member is in one position, said valve member when in a second position closing flow through the first named openings, an extended end portion of the valve member being provided with an enlargement, and a holding member threaded upon the opposite extended portion of the valve member, said holding member when in one position permitting endwise movement of the valve member to permit the openings in the valve member to be brought into register with the first named openings, said holding member being adapted when in a second position to coact with the enlargement at the opposite end of the valve member to hold said valve member against movement when in closed position.

1,517,697. CONVERTIBLE VEHICLE BODY. EDWARD R. BARRETT, Detroit, Mich. Filed Dec. 9, 1921. Serial No. 521,109. 9 Claims. (Cl. 296-10.)

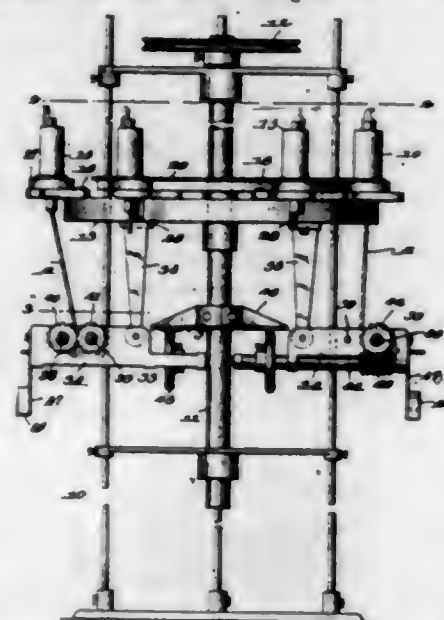
1. A vehicle body comprising an end gate construction tiltable in respect thereto from a position in which it

constitutes a closure for the end of the body to a position in which it forms an extension for the bottom of the



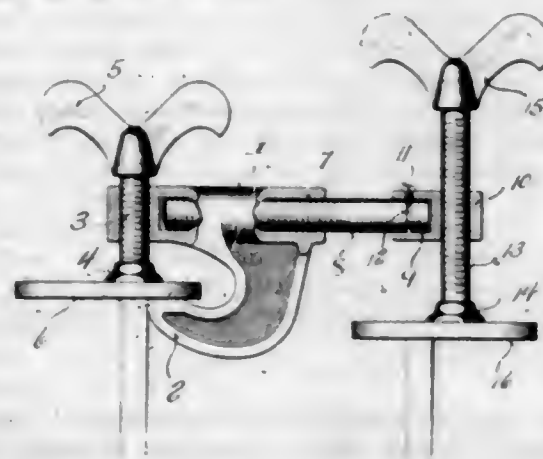
body, and a latching device tending to force said end gate construction forwardly when in either of said positions.

1,517,698. KNITTING MACHINE. CHARLES G. BAUER, Detroit, Mich., assignor, by mesne assignments, to James K. Lanning, Fall River, Mass. Filed Jan. 24, 1920. Serial No. 353,820. 15 Claims. (Cl. 66-21.)



11. In a knitting machine, a circular series of knitting mechanisms, a tensioning mechanism associated with each of said knitting mechanisms to exert a constant drag on the materials as they leave said knitting mechanisms, and a driving shaft common to both mechanisms and including a pair of friction disks co-acting therewith to transmit driving motion to all of said knitting mechanisms and their tensioning mechanisms.

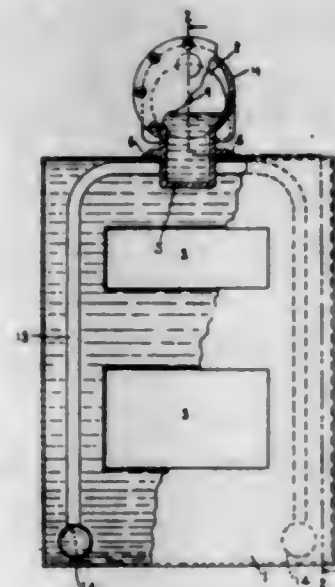
1,517,699. PEDAL LOCK. WALTER J. BLIFFERT, Milwaukee, Wis. Filed May 12, 1924. Serial No. 712,724. 3 Claims. (Cl. 74-81.)



1. A device for use with automobiles having a clutch pedal and a brake pedal, said device comprising a clamp adapted to be secured to said clutch pedals and having

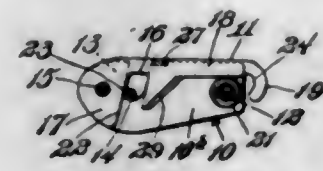
an outwardly extending adjustable arm, a head swivelled to the outer end of said arm, and a pressure screw passing through said head and adapted to bear upon said brake pedal to hold such brake pedal in any desired position of adjustment.

1,517,700. REFRIGERATING APPARATUS. STEPHEN F. BORKEY, Detroit, Mich. Filed Jan. 24, 1924. Serial No. 688,116. 5 Claims. (Cl. 62-95.)



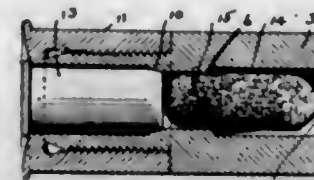
1. A refrigerant receiving unit comprising a boiling chamber having an integral trough portion of reduced width depending therefrom, two sets of spaced pipes communicating with said trough portion, oppositely laterally extending therefrom and downwardly extending in spaced relation, and headers respectively connecting the lower ends of said pipes.

1,517,701. CHAIN FASTENER. WILLIAM T. BRANNAN, Eldred, Ill. Filed Aug. 2, 1924. Serial No. 729,735. 2 Claims. (Cl. 24-241.)



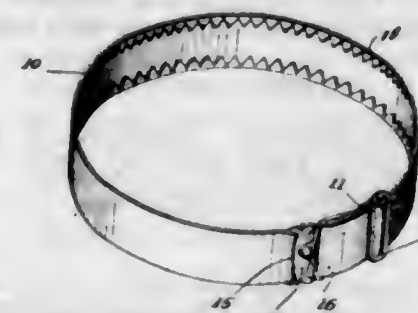
1. A chain fastener comprising a pair of plates pivally connected adjacent their ends to swing in parallel planes to extended or side to side relation, one of said plates having a notch in its side terminating in a chain receiving cove, the other of the plates having a chain link receiving notch delivering an engaged link into the cove of the first named plate, means limiting the movement of the movable plate, and means limiting the movement of the last named plate into side to side relation with the first named plate with a wall of the notch extending into the cove, one of said plates having in its side wall a notch, the other of the plates having a resilient tongue provided with a hooked end extending into the path of movement of the plate having the notch, the notch bearing plate having the wall thereof opposing said hooked end during movement of the plates to side to side relation cam faced to deliver said hooked end to the side face thereof having the notch.

1,517,702. CARTRIDGE ADAPTER AND AMMUNITION THEREFOR. OTTO L. BRUBAKER, San Jose, Calif., assignor to Augustus M. Turel, San Jose, Calif. Filed Sept. 24, 1923. Serial No. 664,435. 4 Claims. (Cl. 102-14.)



3. In combination with a cartridge adapter, a blank cartridge, and a separate gelatin capsule charged with shot frictionally engaging the bore of said adapter.

1,517,703. GARTER. SOLOMON BYER, New York, N. Y. Filed Aug. 28, 1922. Serial No. 584,889. 1 Claim. (Cl. 241-5.)



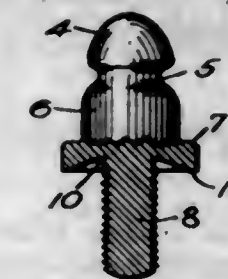
A garter comprising a flat strip of pure rubber, angular serrations on each edge thereof, said serrations being folded closely over and cemented upon the body of said strip, means for removably engaging the ends of said strip to form a band and means for adjusting the length thereof.

1,517,704. SHOE-TONGUE DEVICE. PETER C. CANIZARO, Vicksburg, Miss. Filed Feb. 21, 1924. Serial No. 694,426. 1 Claim. (Cl. 24-117.)



The combination with a shoe tongue of a pair of woven loops arranged at the longitudinal center of the tongue at the upper end thereof extending through openings formed in the tongue and projecting outwardly from the outer face of said tongue.

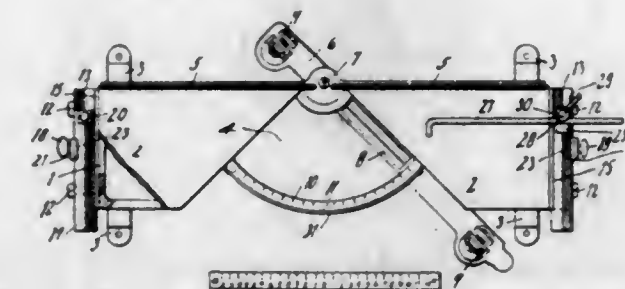
1,517,705. STUD. MOSES F. CARR, Lexington, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Nov. 18, 1922. Serial No. 601,851. 4 Claims. (Cl. 24-219.)



1. A one-piece separable fastener stud including a head, a neck, a shank, a polygonal base and a threaded portion, said base recessed and said threaded portion extending at each side of the plane of the bottom of said base.

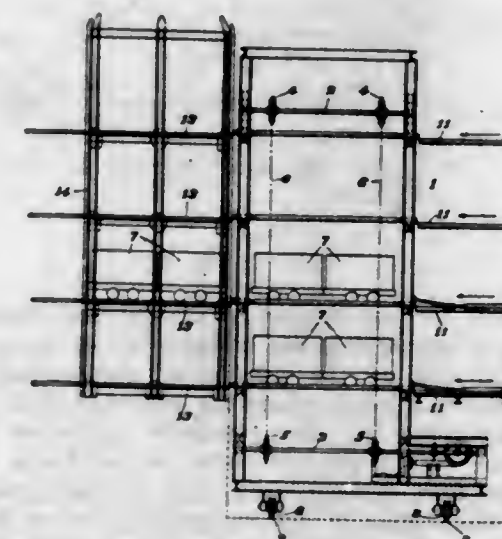
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1,517,706. MITER BOX. GEORGE W. CART, Greenfield, Mass., assignor to Goodell Manufacturing Company, Greenfield, Mass., a Corporation of Massachusetts. Filed Jan. 27, 1923. Serial No. 615,199. 3 Claims. (Cl. 143-89.)



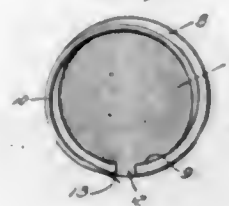
1. The combination, in an attachment for a miter box, with a bar attachable to a miter-box bed, said bar having a longitudinal groove therein which opens through one side and is partially formed by an undercut adjacent to the other side thereof, said groove in cross-section having an angle in the bottom and an angle formed in part by the undercut portion, of a slide angular in cross section to fit said groove with one angular part of said slide in the bottom of said groove, another angular part beneath said undercut portion, and another angular part extending beyond said bar, said slide being provided with a work-engaging member, a screw-threaded member tapped into said bar, and a clamp mounted on said member and having a lip which extends beneath said bar and a lip which extends into engagement with said last named angular part of said slide.

1,517,707. TUB OR TRUCK HOIST FOR COLLIERIES. FRANK M. CASTLEMAN, Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 22, 1922. Serial No. 562,928. 7 Claims. (Cl. 214-95.)



1. In combination, a plurality of vertically spaced fixed decks, a plurality of tracks on each deck, an elevator cage having a plurality of decks spaced to register with said fixed decks, a track on each deck of said cage, and a hoist arranged to transport a tub from any track on any of said fixed decks to any track in said cage.

1,517,708. SNAP-FASTENER ATTACHMENT. MABEL V. CLARK and CECIL F. CLARK, Long Beach, Calif. Filed May 5, 1924. Serial No. 711,127. 6 Claims. (Cl. 24-208.)

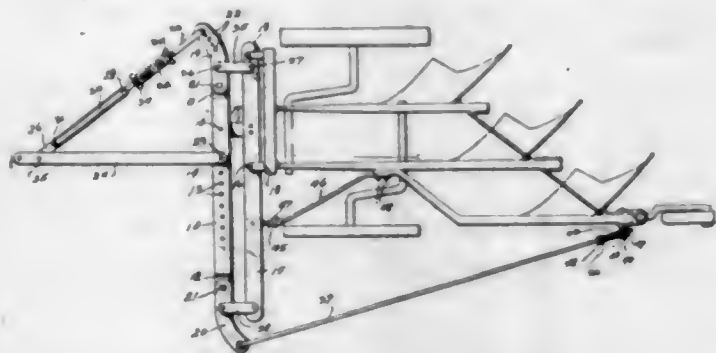


1. In a device of the character described having a flange or grooved base rim, a spring member normally contained in said groove having one end fixed therein, and the other end adapted for being sprung outward therefrom and for gripping a fabric in said groove.

1,517,709. TREATMENT OF UNION OR MIXED FABRICS. RENÉ CLAVER, Basel, Switzerland. Filed Jan. 4, 1922. Serial No. 526,991. 11 Claims. (Cl. 8-5.)

7. In a process for dyeing union or mixed fabrics containing cellulose acetate threads or filaments, subjecting the mixed fabric to dyeing treatment with a dye appropriate for the non-acetate portion and not capable of dyeing the cellulose acetate direct, and to dyeing treatment with a dyestuff having direct affinity for cellulose acetate, said latter dyestuff containing at least one active group capable of dyeing the cellulose acetate direct, said dyeing treatments being applied separately to the mixed fabric.

1,517,710. SIDE-DRAFT-REDUCING HITCH FOR PLOWS. DELPHIA HARRY CLEEM, Humboldt, Minn. Filed July 22, 1922. Serial No. 576,728. 5 Claims. (Cl. 273-96.3.)

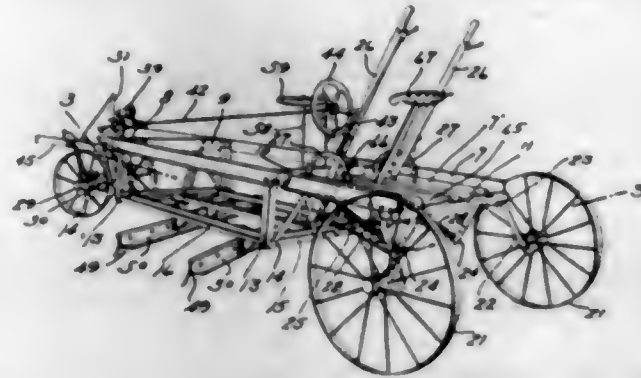


1. A hitch for connection to agricultural implements comprising a supporting bar adapted to be connected to the forward end of the implement and extend transversely thereof, a lever extending approximately parallel to the supporting bar and pivotally supported thereon adjacent one end, a pair of levers mounted one at each end of the first named lever and pivotally supported upon the extremities of the supporting bar, a draw bar pivoted to the first named lever, a rod connecting the forward end of the draw bar to one of said second named levers, and a rod connecting the rear end of the implement to the other of said second named levers.

1,517,711. ROAD GRADER. HARRY K. CLEMONS, St. Paul, Minn. Filed Nov. 1, 1923. Serial No. 672,124. 14 Claims. (Cl. 31-155.)

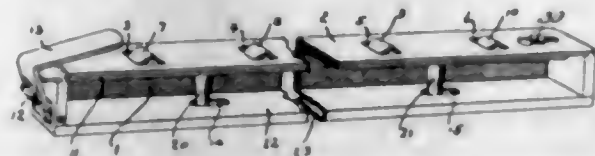
1. In a grader, a supporting frame, a scraper blade connected to said frame for horizontal angular adjust-

ments, an auxiliary beam connected to said frame for lateral transverse movements and pivotally connected to said scraper blade, and a transverse bar pivotally con-



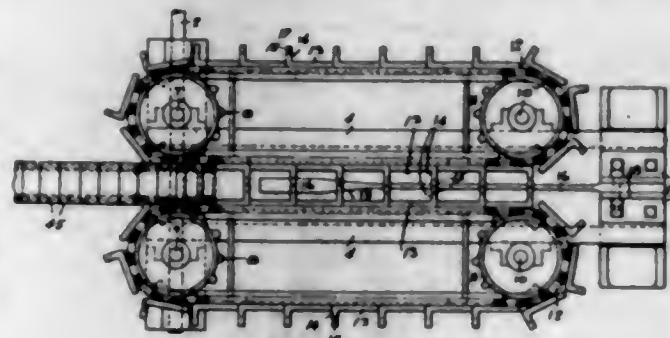
nected to said frame and to said auxiliary beam and holding the latter for lateral movements parallel to its original position.

1,517,712. BOOKBINDER. THEODORE J. DAVIE, San Francisco, Calif. Filed June 11, 1924. Serial No. 719,314. 3 Claims. (Cl. 129-4.)



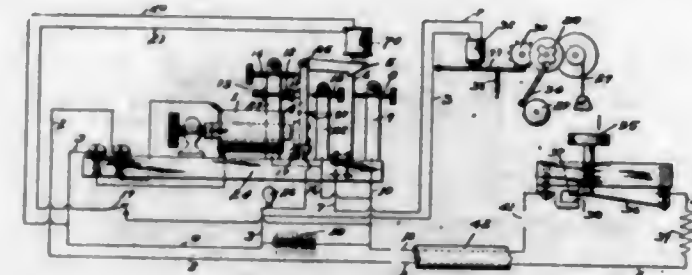
1. A binder device comprising a cover and a body member of sinuous section having a top portion, a bottom portion and an intermediate portion, a strip with a plurality of upset portions registering at one position of said strip with corresponding openings in the top portion of the body member, said strip positioned between the said top and intermediate portions, a plurality of posts on said strip extending through openings in said intermediate portion and means for longitudinally shifting the strip whereby the upset portions are forced out of registry with said openings and the strip is depressed to clamp sheets between the strip and intermediate portions and between the ends of said posts and said bottom portion.

1,517,713. BUILDING-BLOCK-MOLDING MACHINE. GEORGE C. DERAY, Springdale, Pa. Filed May 25, 1921. Serial No. 472,318. 14 Claims. (Cl. 25-99.)



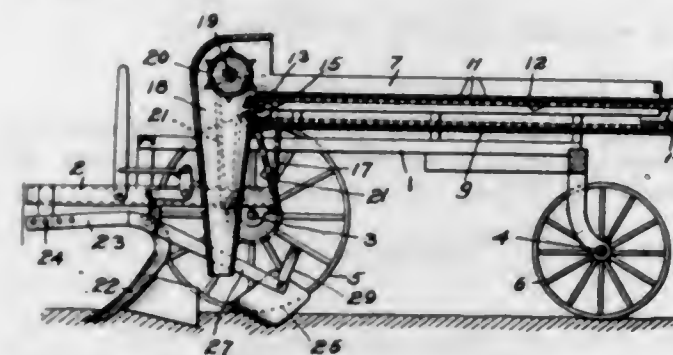
3. In apparatus for molding blocks, the combination of two endless conveyers having parallel runs adapted to move in the same direction and at equal speeds, mold sections carried by the said conveyers, each mold section forming one side and half of one end of a complete mold, and a stationary core bar extending between the adjacent runs of the said conveyers and through openings in the ends of the said molds.

1,517,714. ELECTRIC SIGNALING MEANS AND SYSTEM. LEWIS DEGEN, Berkeley, Calif. Filed Dec. 13, 1921. Serial No. 521,988. 2 Claims. (Cl. 200-106.)



1. In an electric relay a movable armature having a contact point on each side thereof, a relatively stationary contact opposite and spaced from each of said armature contacts, a magnet for attracting said armature, a spring for retracting said armature, an insulated anvil mounted on a spring and lightly holding said armature spaced from said magnet and the stationary contact on the magnet side of the armature and wherein the armature is provided with a latch which engages contacting means when the armature moves to one extreme position and thereafter actuates said means on any reverse movement of said armature.

1,517,715. PLANTER. HENRY DE GEUS, Alicia, Mich., assignor to Owosso Sugar Company, a Corporation of Michigan. Filed Oct. 26, 1921. Serial No. 510,625. 1 Claim. (Cl. 111-60.)

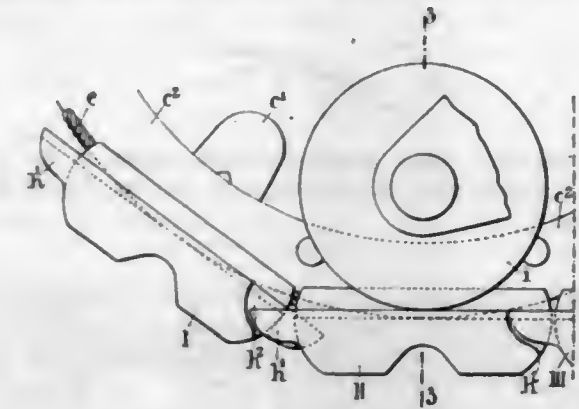


In combination in a root planter, a four-wheel truck, a pair of substantially horizontal feed ways spaced apart and extending longitudinally of the truck, a hopper at the forward end of each runway leading downward, an endless carrier at the bottom of each feed way adapted to discharge to the hopper, a spiked feed roller at the upper end of each hopper for regulating the feed from the carrier to the hopper, a plow in advance of the lower end of each hopper in alignment therewith, covering means to the rear of the lower end of each hopper, and means for operating the carrier and roller from the truck, the rear supporting wheels of the truck being located in alignment with the plows for compacting the soil in which the roots are deposited.

1,517,716. CHAIN TRACK FOR TRACTORS AND THE LIKE. VALENTIN DUTKIEWICZ, Paris, France. Filed Mar. 29, 1922. Serial No. 547,841. 4 Claims. (Cl. 305-10.)

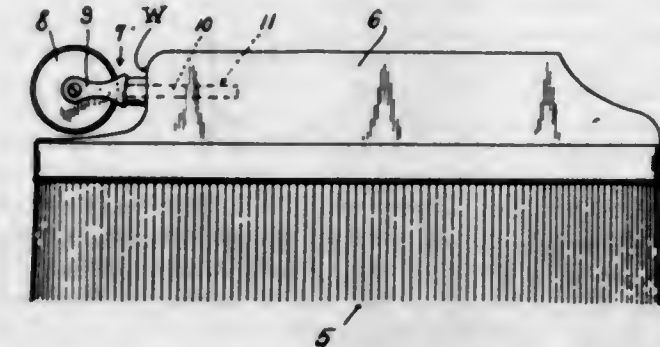
1. A chain-track for tractors, comprising, in combination, a plurality of chain-track elements, a plurality of cables connecting said elements together and arranged on the inner faces of the chain-track elements, in an even number of parallel rows, and on either side of the central longitudinal plane of the chain-track and arranged symmetrically with respect to said plane, each

of said cables comprising a plurality of independent cable lengths, the cable lengths constituting one cable being staggered relatively to the cable lengths of an adjacent



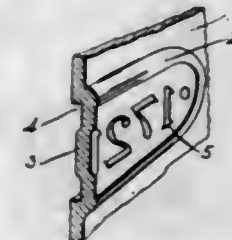
cable located on the same side of the central longitudinal plane of the chain-track, each cable length being connected at its ends to two adjacent chain-track elements, independently of the other cable lengths.

1,517,717. COMBINED WALL BRUSH AND CASING KNIFE. HJALMAR EKMAN, Bessemer, Mich. Filed Feb. 4, 1924. Serial No. 690,486. 1 Claim. (Cl. 7-1.)



In a paperhanger's wall-brush having a recess in its handle provided with an aperture in one wall thereof, a casing knife disposed in the recess of the handle with its edge projecting beyond the top of the handle and the end of the brush, a yoke rotatably supporting the casing knife, and a stem on the yoke projecting into the aperture in the wall of the recess.

1,517,718. NUMBERING SYSTEM. HOWARD M. FELDER, Detroit, Mich. Filed Jan. 9, 1924. Serial No. 685,122. 3 Claims. (Cl. 40-2.2.)



1. A numbering system comprising a depression below the face of a casting, a boss opposite said depression, an inscription in obverse on the surface of the depression and in reverse on the surface of the boss.

1,517,719. SHANK-STIFFENER REINFORCING AND ATTACHING MEANS. OSCAR FERN, Newburyport, Mass. Filed May 19, 1924. Serial No. 714,311. 3 Claims. (Cl. 36-76.)

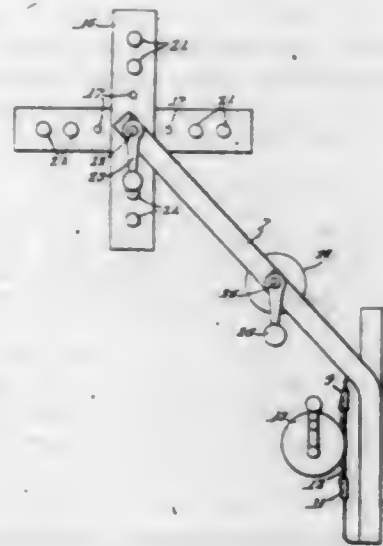
1. In combination with a main metal reinforcing strip for a shoe shank stiffener having means at its ends for attaching it at its upper side to the under side

of the stiffener and a pair of intermediate apertures, a supplemental metal reinforcing strip disposed on the upper side of said main strip and having prongs extending through said apertures and adapted to penetrate the outer sole of a shoe, to attach the stiffener to the sole.



tending through said apertures and adapted to penetrate the outer sole of a shoe, to attach the stiffener to the sole.

1,517,720. DRYING AND WINDING DEVICE FOR FISHING LINES. FRED R. FISH, Rockford, Ill. Filed Nov. 10, 1923. Serial No. 673,918. 5 Claims. (Cl. 242-104.)



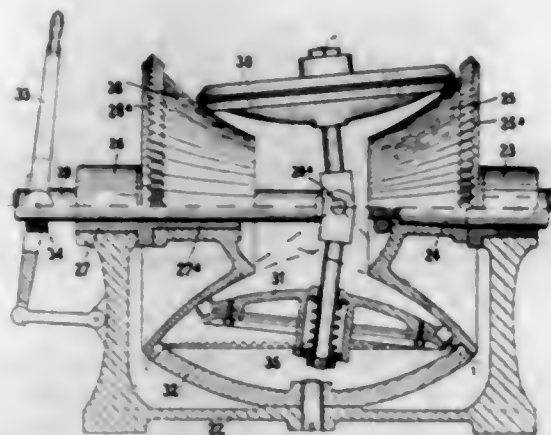
1. As a new article of manufacture, a portable frame equipped with a drying reel, a reverse winding reel, and means for attaching a rod-reel in operative relation to said drying and rewinding reels.

1,517,721. DETACHABLE RIM FOR WHEELS. JAMES T. GANTT, Macon, Ga. Filed Apr. 18, 1924. Serial No. 707,489. 4 Claims. (Cl. 301-40.)



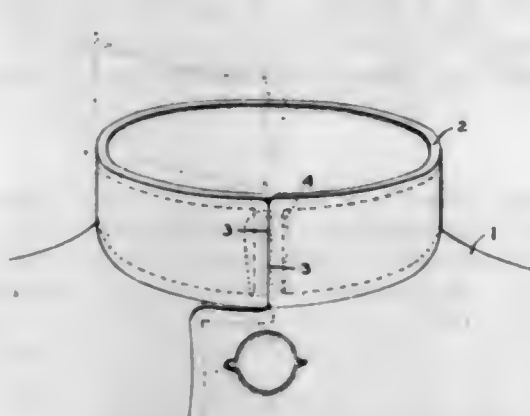
2. A device for covering the rim or periphery of a wheel, comprising a pair of split annular rim sections substantially L shaped in cross section, said annular rim sections being adapted to cover the rim or periphery of a wheel and to extend a distance inwardly on the opposite sides of said wheel, spaced lugs formed on said inwardly extending portions of the rim sections and means extending through said lugs and wheel for holding said rim sections in operative position, said lugs being so arranged that the split rim sections can be secured to the wheel with the ribs opposite each other, or zig-zag without necessitating the use of extra rims, lugs or bolts.

1,517,722. FRICTION-WHEEL DIFFERENTIAL GEAR. ADOLF FRIEDRICH GERDES, Berlin, Germany. Filed June 12, 1923. Serial No. 644,860. 5 Claims. (Cl. 74-34.)



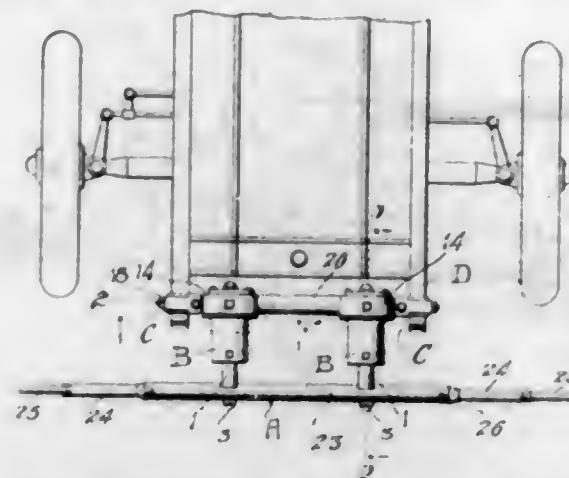
1. A friction wheel differential gear comprising a driving shaft, an aligned driven shaft, a friction wheel mounted on the driving shaft and rotating therewith, a symmetrical second friction wheel loosely mounted on the driven shaft, the friction surfaces of said wheels being curved, means for rotating the second friction wheel in a direction opposite to the first, and differential means mounted on said driven shaft between said friction wheels and cooperating with the latter for producing desired directional and speed variations in the driven shaft, said differential means comprising oppositely disposed transverse spindles pivotally supported on the end of the driven shaft, and a transmission wheel loosely mounted on each of said spindles and having a beveled frictional edge surface engaging with the curved surfaces of the friction wheels.

1,517,723. GARMENT FASTENING. JOSEPH GIARDINO, Boston, Mass. Filed Mar. 14, 1924. Serial No. 699,251. 1 Claim. (Cl. 2-100.)



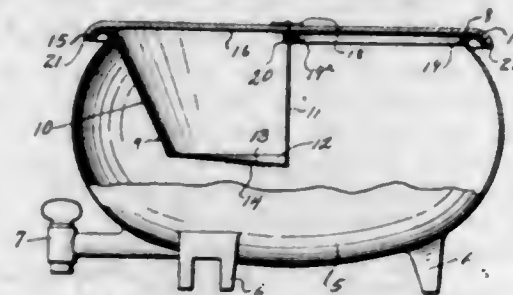
In a garment fastening, the combination with two garment edges to be fastened together, of a loop secured to the inner face of each garment edge, each loop being formed of a strip of fabric folded back on itself and having its edge substantially flush with the garment edge, and a U-shaped fastening element having its legs inserted through said loops, said legs having flat faces lying against the inner faces of the loops and being relatively thin in a direction transverse to said faces, said legs being separated by a relatively narrow space whereby when the fastening element is in place the edges of the loops are held in substantial contact, and one leg having a retaining lip at its end which extends at an angle to the flat face and embraces the edge of the loop, the other leg having a smooth end to permit it to be readily inserted into or withdrawn from its loop.

1,517,724. AUTOMOBILE BUFFER. JOSEPH P. GIULIANA, Newark, N. J. Filed Mar. 4, 1924. Serial No. 690,750. 4 Claims. (Cl. 293-55.)



4. An automobile buffer comprising a buffer bar adapted to extend transversely of the chassis of an automobile to receive impacts of collisions, said buffer bar including a tubular main section and end sections longitudinally telescopically adjustable therein to accommodate said bar to automobiles of different widths, and a shock absorbing device connected to said buffer bar and adapted to be fixedly connected to said chassis to absorb shocks received by said buffer bar.

1,517,725. STRAINER FOR CREAM SEPARATORS. LEO THOMAS GOSSMAN, Canton, Minn. Filed Aug. 2, 1922. Serial No. 579,159. 3 Claims. (Cl. 210-155.)



1. In combination with the supply can of a cream separator, a receptacle having a curved wall a strainer in the bottom of the receptacle, said receptacle extending from the edge of the can to the central portion of the can, and a sectional cover, the sections of the cover being hinged to each other, said cover being arranged to engage the top of the can and the receptacle.

1,517,726. TOY BOWLING ALLEY. EDWARD FRANCIS GRADY, Oakland, Calif. Filed Oct. 26, 1923. Serial No. 670,918. 1 Claim. (Cl. 273-38.)

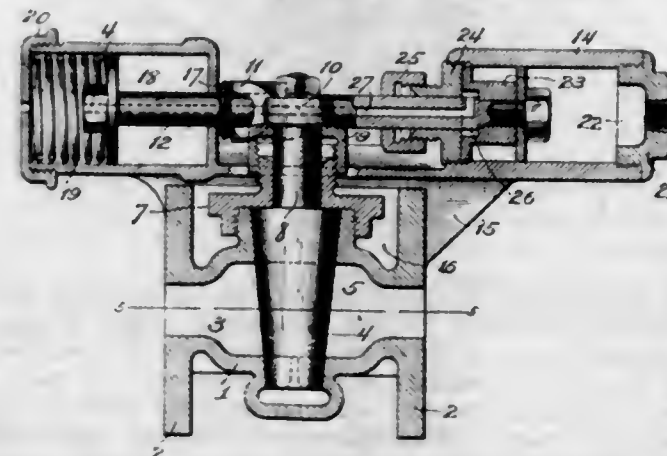


In a device of the character described, an alley structure having a pin pit at one end, a series of pins adapted to be positioned on said alley structure adjacent said pin pit, a ball adapted to roll on said alley structure, means to propel the ball down the alley toward said pins, said propelling means including a barrel structure having its inner bore flush with the surface of said alley structure, and means to cause said ball when inserted in an opening adjacent said pin pit to be returned into said barrel structure of said propelling means, automatically and of its own accord.

1,517,727. ELECTRODE FOR THE OXIDATION OF NITROGEN. BIRGER FJELD HALVORSEN, Christiania, Norway, assignor to Norsk Hydroelektrisk Kvaestofaktieselskab, Christiania, Norway. Filed Feb. 6, 1923. Serial No. 617,400. 2 Claims. (Cl. 204-31.)

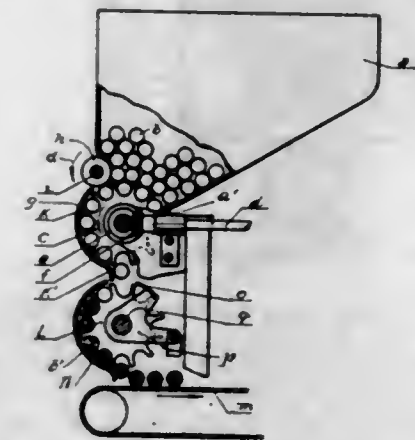
1. In an electric furnace for the manufacture of nitrogen oxides, an electrode composed mainly of silver.

1,517,728. PRESSURE-CONTROLLED VALVE. FREDERICK HEATH, Bellingham, Wash. Filed Jan. 26, 1923. Serial No. 615,124. 2 Claims. (Cl. 137-153.)



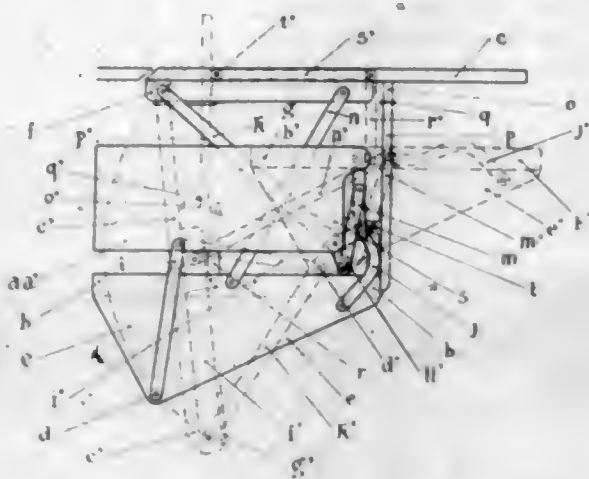
1. In means for controlling flow of a motive fluid, the combination of spaced aligned cylinders, pistons in the cylinders, a piston rod fixed to and connecting the pistons and extending through the inner ends of the cylinders, spaced abutments on the piston rod between the cylinders, a passage for motive fluid at one side of the cylinders, a rotary cut-off valve in said passage, a radial arm fixed to said valve on the axis thereof and extending radially therefrom to the piston rod and engaging between the abutments thereon, means for admitting fluid under pressure through the outer end of one cylinder to act on the piston therein and hold said piston normally at the inner end of the cylinder with the cut-off valve open, and an expansible pressure element in the other cylinder at the outer end thereof acting constantly on the piston therein in opposition to the fluid under pressure whereby upon reduction of the fluid pressure the pistons will be moved toward the outer end of the first cylinder and the cut-off valve will be closed.

1,517,729. CIGARETTE-FILLING MACHINE. MAX PAUL ERNST HOHN, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. Filed Sept. 17, 1923. Serial No. 663,297. 2 Claims. (Cl. 131-39.)



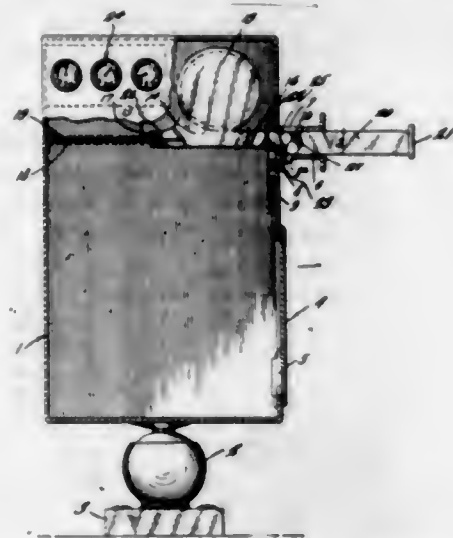
1. In a cigarette-filling machine, the combination with a storage receptacle and an intermittently revolving filling drum having pockets on its circumference, of an auxiliary continuously revolving drum having pockets on its circumference, said auxiliary drum being arranged intermediate said receptacle and filling drum and serving to transport the sleeves from said receptacle to said drum.

1,517,730. TABLE. CHARLES JOANNET and ANDRÉ AS-SANT, Paris, France. Filed Feb. 1, 1922. Serial No. 533,455. 1 Claim. (Cl. 45-52.)



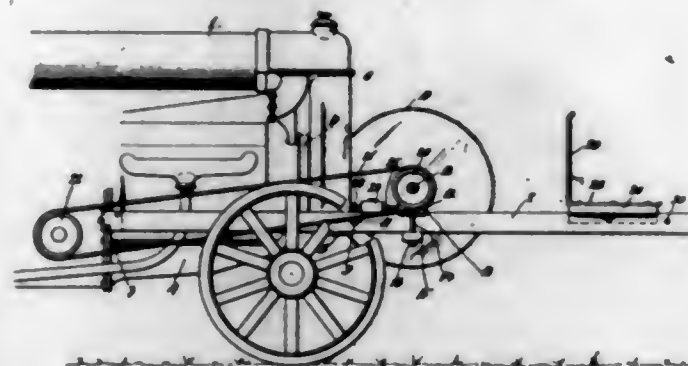
A mechanical device for supporting typewriters, calculating machines and the like, comprising a fixed frame, a displaceable base, a cover adapted to descend from above said base to behind said base and vice versa, a pair of levers arranged symmetrically on opposite sides of said base, said levers being fulcrumed between their ends upon said frame and pivotally connected at one extremity to said cover, parallel suspension links connecting said base to said frame operating links connecting said suspension links to the other extremity of said levers, said suspension links being approximately horizontal when said base is raised but passing to and beyond the vertical as said base is lowered so that the weight supported by said base tends to assist movement from either of the extreme positions, and diagonal spacing links connecting said base to points on said cover remote from the pivotal connections of said levers thereto.

1,517,731. COIN-CONTROLLED GLASSES. CLARENCE R. JOHNSON, Portland, Oreg. Filed July 19, 1923. Serial No. 652,593. 3 Claims. (Cl. 194-69.)



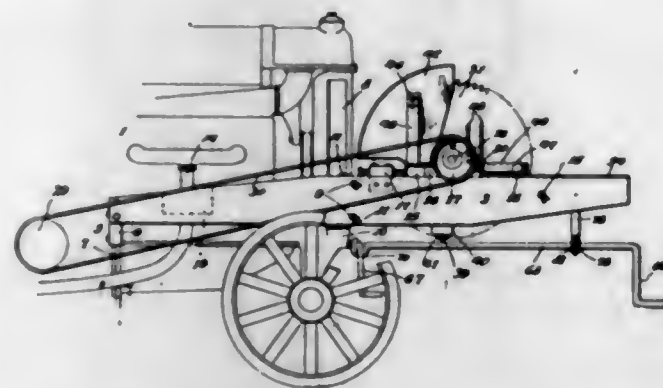
1. A device of the class described comprising a casing, a telescope fixedly mounted in said casing and extending transversely therethrough, said telescope having a transverse slot therein, a shutter mounted to slide in said slot to normally obscure vision through said telescope, oppositely extending arms carried by said shutter, one of said arms merging into a plunger, guides for said arms, whereby the plunger is adapted to reciprocate to move the shutter into obstructing and unobstructing positions, a shoulder on said plunger, a spring pressed catch to engage said shoulder and lock the plunger against reciprocation, and means on said catch for engagement by a coin to release said plunger and permit the shutter to be moved out of the path of vision.

1,517,732. ATTACHMENT FOR TRACTORS. OLIVER W. JOHNSON, Geneva, Ohio. Filed Apr. 28, 1921. Serial No. 465,342. 11 Claims. (Cl. 180-53.)



1. In combination with a self propelled tractor of the unitary type including a radiator, propulsion wheels, and a transverse work shaft operable independently of said wheels, a pair of sills disposed at the sides of the main body of the tractor and rigidly secured at their rear ends to said body and having their intermediate portions carried by the lower end of the radiator, means in advance of the radiator for clamping said sills against the sides of the radiator and preventing spreading of the sills, work-performing mechanism mounted on the sills in advance of the radiator, and means for operating the work-performing mechanism from the said work shaft of the tractor.

1,517,733. SAWING ATTACHMENT FOR TRACTORS. OLIVER W. JOHNSON, Geneva, Ohio. Filed Mar. 16, 1922. Serial No. 544,222. 9 Claims. (Cl. 143-43.)

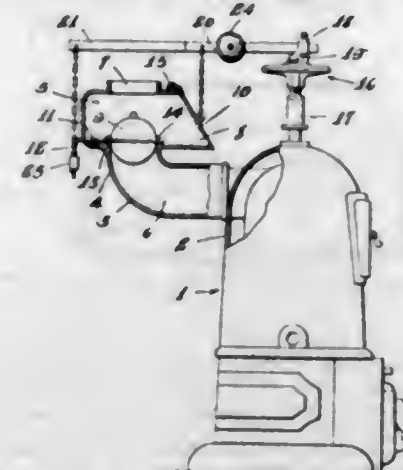


1. A sawing attachment for self-propelled tractors comprising a pair of sills, means for clamping said sills upon the sides of the tractor-engine and radiator, a pair of cross bars located upon the sills in front of said radiator and projecting at one end beyond the adjacent sill, a saw mandrel mounted upon one of said cross bars and projecting beyond both sills, a pulley on the end of said mandrel adjacent the projecting ends of said cross bars, a saw on the opposite end of said mandrel, and a plurality of adjusting screws mounted in one of said cross bars and engaging the other cross bar, one of said screws being in line with said pulley.

1,517,734. DRAFT PIPE FOR HEATERS. JOHN W. JONES, Syracuse, N. Y., assignor to Syracuse Radiator Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 555,126. 3 Claims. (Cl. 126-285.)

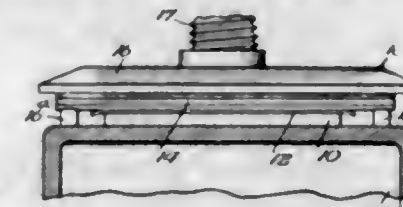
1. In a heater, a draft pipe, having a transverse smoke chamber provided with a smoke inlet at its lower side, and a smoke outlet at the upper side, and an air passage in one of its lateral sides, dampers for con-

trolling the smoke inlet and the air passage respectively, and means for operating the dampers comprising a lever and individual connections between one of the arms of



the lever and the dampers respectively, said connections being located entirely on the outside of the draft pipe and the transverse chamber.

1,517,735. METHOD OF HANDLING FLONGS. PAUL A. KAGEL, Chicago, Ill. Filed Oct. 1, 1923. Serial No. 663,868. 8 Claims. (Cl. 41-25.)



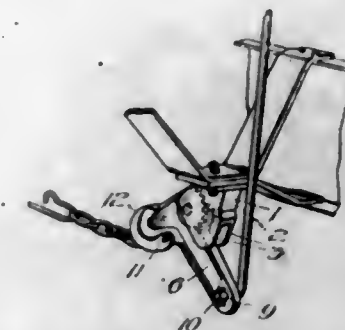
1. The method of handling flongs for use in molding a printing plate, which consists in beating down a flong upon the face of the form and from the face side of the form, then turning the form and flong over upon a metal surface which is slightly softer than the face of the form, then beating down the form upon the flong from the back of the form and while the flong rests against the said surface, and then removing the formed matrix from the form.

1,517,736. ILLUMINATED-NUMBER-PLATE BRACKET. THOMAS KIRWIN, Longmeadow, Mass., assignor of one-half to Charles S. Root, Springfield, Mass. Filed Dec. 19, 1923. Serial No. 681,625. 5 Claims. (Cl. 40-131.)



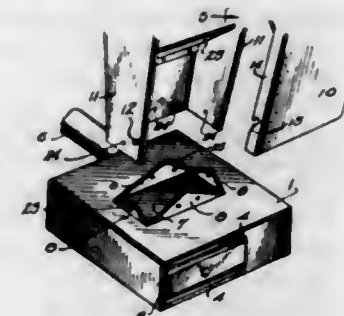
1. In an illuminated number-plate bracket, a vertical frame having an opening therein, a perforated number-plate secured to the front side of said frame over said opening, a translucent plate secured to the back side of said frame over said opening and behind said number-plate, there being a space between said two plates, a support secured to said frame and located behind the same, an arm rising from said support, a casing supported by the upper parts of said frame and arm, and a lamp in said casing, the latter being adapted to permit the rays from said lamp to pass downwardly and illuminate said plates.

1,517,737. POWER TRANSMISSION. AUGUSTUS F. KLASING, Chicago, Ill., assignor to The Klasing Car Brake Company, a Corporation of Colorado. Filed June 7, 1919. Serial No. 302,566. 16 Claims. (Cl. 74-110.)



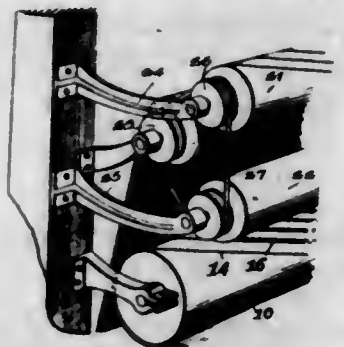
1. A device for transmitting a pull through an angle, comprising a bell crank lever having means at the ends thereof for the application of the pull and a fulcrum intermediate its ends and means for causing the fulcrum of the lever to travel in a direction opposite to the direction of pull on said bell crank.

1,517,738. HEATER. CHARLES F. LOKER, Tonopah, Nev. Filed Feb. 16, 1923. Serial No. 619,474. 5 Claims. (Cl. 219-19.)



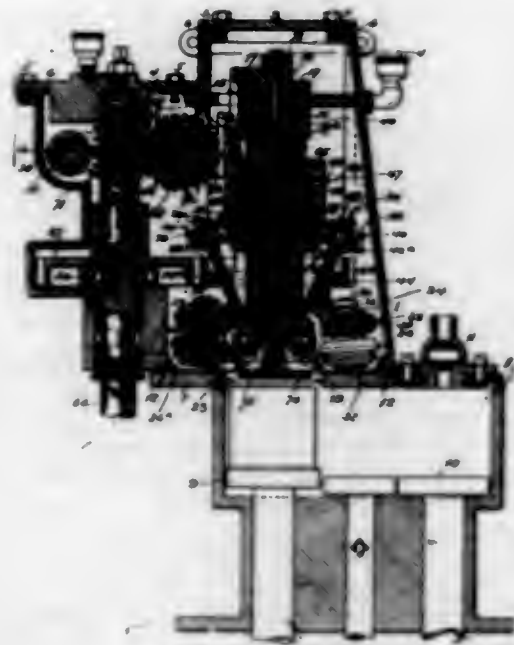
1. In an electric heater, a base having an inlet opening, a casing mounted over said base and communicating therewith, said casing increasing in width toward its upper end and being provided with an entirely open top, vertically disposed heating elements arranged in said casing, and baffle plates secured to the walls of said casing.

1,517,739. PAPER-RULING MACHINE. JACOB LOTZ, Harrisburg, Pa. Filed Oct. 23, 1923. Serial No. 670,307. 8 Claims. (Cl. 271-76.)



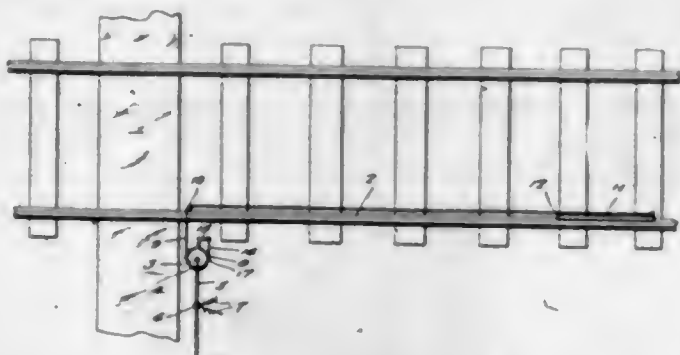
1. In combination with the upper cloth and under cords of a ruling machine between which ruled paper is adapted to pass, means over which the return side of the upper cloth is trained causing a sudden change in the direction of movement, means including a nappy cloth-faced roller operating at said place, said nap brushing upon the return side of the cloth to loosen any paper tending to adhere thereto and causing it to fall on the under cords, but avoiding raising any nap on the upper cloth by virtue of being soft, and another set of cords having a portion arranged parallel to and traveling with said under cords to keep said paper in place thereon.

1,517,740. CAN-CAPPING MECHANISM. ADOLPH K. MALMQUIST, South Bellingham, Wash., assignor to Malmquist Machine Company, South Bellingham, Wash. Filed Oct. 20, 1921. Serial No. 308,920. 13 Claims. (Cl. 113-24.)



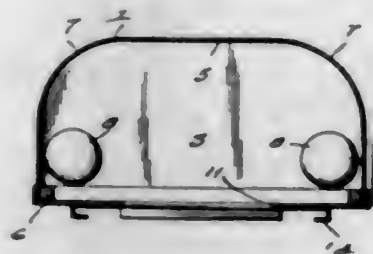
1. In can capping mechanism, the combination with framework, of a chuck, a revoluble carrier, levers pivoted to said carrier, each of said levers provided with a lower horizontal arm having an opening, a sleeve threaded through said opening in each lower lever arm, a spindle threaded through each sleeve, a seaming roller mounted on each spindle, a nut on the upper portion of each sleeve, a nut on the upper portion of each spindle, and means for operating said levers.

1,517,741. CROSSING SIGNAL. WILLIAM M. MANSFIELD, Kreole, Miss., assignor of one-half to V. B. Pirce, Kreole, Miss. Filed Feb. 23, 1924. Serial No. 694,696. 1 Claim. (Cl. 246-293.)



A crossing signal adapted to be used at the intersection of a railway track and a highway road comprising a spring member fixed at one end to the side of one rail of the track and having an intermediate portion bowed above the upper surface of the said rail and provided at its free end with a slot, a pin carried by the rail and passing transversely through the slot, a cable connected at one end with the free end portion of the spring and disposed transversely across the point at which the spring is fixed with relation to the rail and extended along the rail, a post erected adjacent the track and mounted for turning movement, a disk mounted upon the post, said cable passing partially around the disk and being secured thereto, an arm fixed adjacent the post, a spring connected with the arm and the disk and serving to hold the post in a normal position and the cable in a taut condition, and a signal carried by the post.

1,517,742. COMBINED PHOTOGRAPHIC ENLARGING LANTERN AND PRINTING MACHINE. JOHN C. MARTIN, Cameron, Tex. Filed July 5, 1923. Serial No. 649,511. 1 Claim. (Cl. 88-24.)



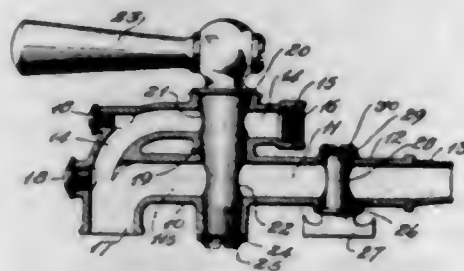
A photograph enlarging lantern comprising a casing having continuous side and rear walls, the rear wall having an intermediate plane surface which extends from the upper to the lower edge of the said wall and which is disposed at a right angle to the inner surfaces of the side walls, the said rectangularly disposed surfaces being connected together by arcuate surfaces which extend from the upper to the lower edges of the rear and side walls, top and bottom walls for the casing having inner surfaces disposed in planes at right angles to the plane in which the intermediate surface of the rear wall lies, a detachable wall for the casing having an opening disposed opposite the plane surface of the rear wall, and lamp bulbs located within the casing and having their filaments disposed approximately parallel with the curved surfaces which merge with the plane surfaces of the side and rear walls.

1,517,743. EGG GRADER. FRED A. MATTESON, Campbell, Calif. Filed Dec. 18, 1922. Serial No. 607,694. 1 Claim. (Cl. 265-48.)



An egg grader comprising a support, an arm pivotally mounted thereon, egg supporting means pivotally suspended from one end of said arm, balancing means carried by the other end of said arm whereby to maintain the egg support in a raised position with an egg under a predetermined size therein, and an indicator rendered operative by the movement of said arm when an egg in the egg support overbalances said balancing means.

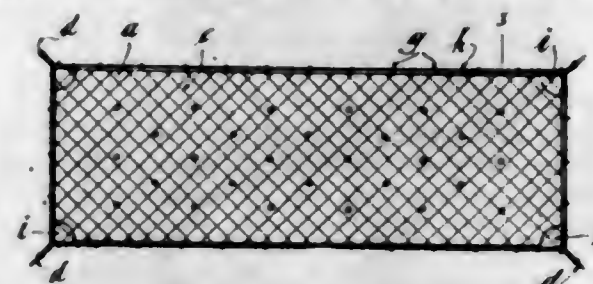
1,517,744. MIXING FAUCET. ALPHONSE F. MONEUSE, New York, N. Y. Filed Nov. 29, 1922. Serial No. 603,960. 3 Claims. (Cl. 251-104.)



1. In a faucet of the class described, a valve body having upper and lower tubular portions provided with passages extending longitudinally therethrough, said portions being arranged to provide a plug valve seat intermediate their ends, the passages through said portions being curved downwardly and uniting in a common outlet at the front of the body, the upper tubular portion

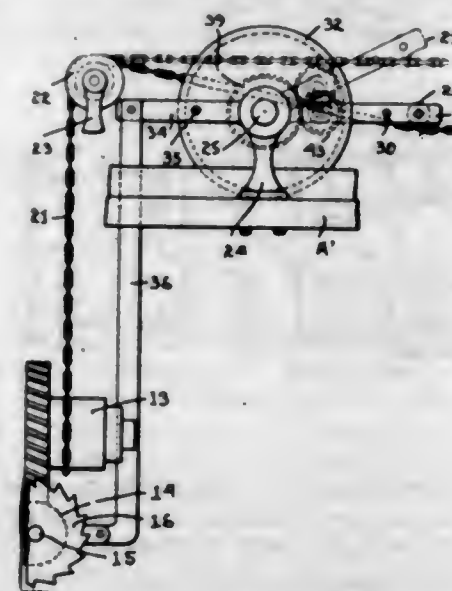
uniting with the lower tubular portion in front of the valve seat, a plug valve fitted in the valve seat and having ports extending diametrically through in parallel relations and movable into and out of registry with the respective passages.

1,517,745. LIFE-SAVING APPARATUS. HAROLD MORLEY, Sale, near Manchester, England. Filed Aug. 14, 1923. Serial No. 657,371. 1 Claim. (Cl. 9-13.)



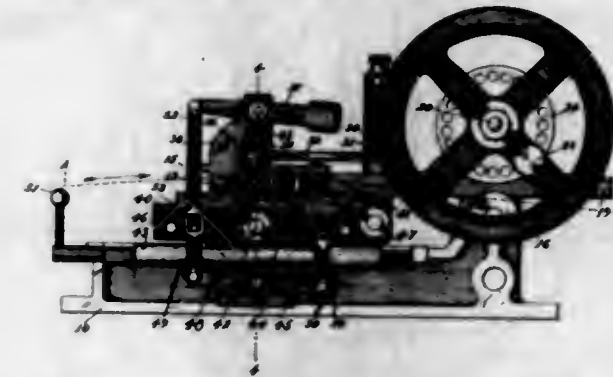
Life saving apparatus, comprising in combination, an inflatable rubber mattress, provided with through tubes spaced at the desired distances apart to form tie members, the tubes and mattress being moulded in one piece, an all-around band of webbing embedded in the rubber, means connected to said webbing at each corner of the mattress to connect a number of mattresses together to form a raft, metal hooks secured to said webbing, equally spaced around the mattress, a rope in said hooks to form a hand hold, and a netting covering the mattress to form means for persons to cling to the raft, as set forth.

1,517,746. MEANS FOR CONTROLLING THE TRAVERSE OF YARN GUIDES ON SPINNING MACHINES. EDWARD E. NOWELL, Reading, Pa. Filed Mar. 19, 1924. Serial No. 700,272. 13 Claims. (Cl. 242-43.7.)



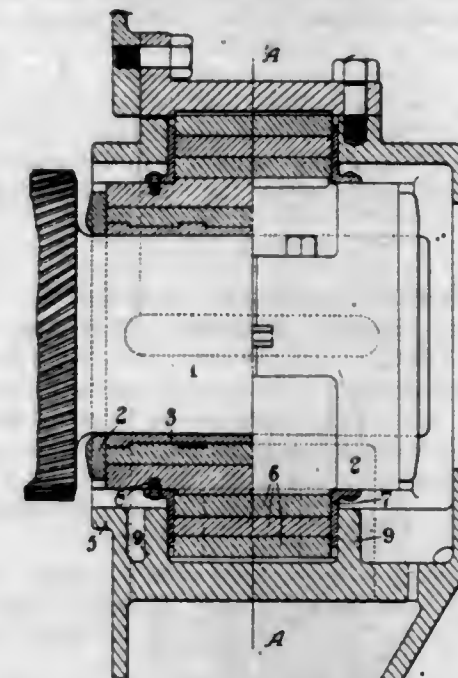
1. In a spinning machine, the combination with spindles, a vertically reciprocable ring rail operatively connected therewith, a rocker operatively connected to the ring rail, a builder motion, a flexible connection extending from the builder motion to the rocker, of means for limiting the extent of movement of the ring rail for a predetermined period to thereby form a bunch upon each spindle comprising an oscillatable member operatively connected to the builder motion and oscillated thereby, said member having an arm provided with a roller engaging over the flexible connection, said arm being normally operatively connected to the member to oscillate therewith, and means operated by the reciprocation of said member acting after a predetermined number of oscillations to detach said arm from its engagement with the member to thereby render said arm inoperative and permit the full reciprocation of the ring rail by the builder motion.

1,517,747. FELT GUIDE. HOWARD PARKER, Berlin, and CHARLES W. SLEEPER, Lancaster, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed May 8, 1920. Serial No. 379,694. 15 Claims. (Cl. 74-51.)



1. In a device of the character described, a roll, a slidable bearing box supporting one end of said roll, a felt passing over said roll, a slide mounted for movement on said bearing box, a pitman between said slide and roll, a rack adjacent said slide, a pawl pivoted on said slide adapted to cooperate with said rack to prevent movement of the slide in one direction while permitting movement thereof in the opposite direction, a member adapted to be shifted by and transversely of said felt when the latter runs out of normal, and a connection between said member and said pawl whereby when the felt shifts out of normal said pawl is brought into engagement with said rack.

1,517,748. RESILIENT MOUNTING SUITABLE FOR TOOTHED-WHEEL TRANSMISSION GEARING. CHARLES ALGERNON PARSONS and STANLEY SMITH COOK, Newcastle-on-Tyne, England; said Cook assignor to said Parsons. Filed Dec. 14, 1923. Serial No. 680,657. 8 Claims. (Cl. 74-7.)

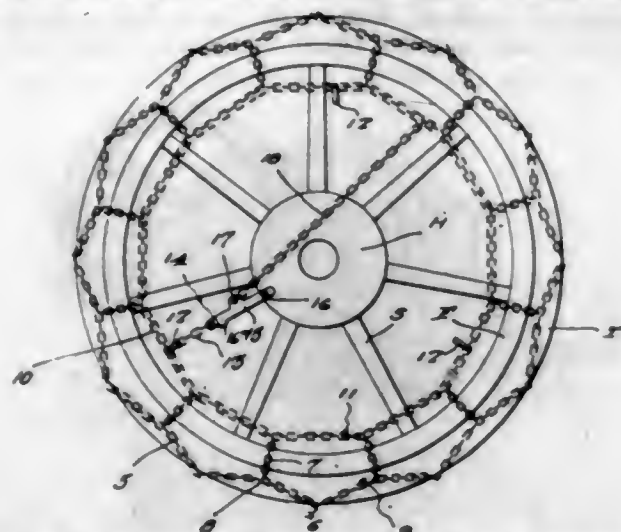


1. A resilient mounting for shafts comprising in combination shaft bearings, fixed guides allowing said bearings to move transversely to said shaft, and flexible resilient and damping means controlling the transverse movement of said bearings in both directions, as set forth.

1,517,749. ANTISKID CHAIN. JEWELL W. FICOTT, Tylertown, Miss. Filed Nov. 21, 1923. Serial No. 676,101. 1 Claim. (Cl. 152-14.)

A chain tightening device comprising a link, a short length of chain connected to one end of said link, a lever pivotally connected to the opposite end of the link, said lever being adapted to swing into overlapping

relation with said link and being provided at its free end with a stop to engage the link, the lever being also



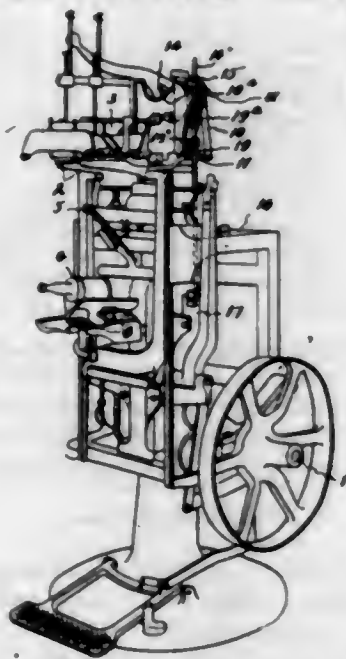
provided intermediate its ends with an attaching ear, and another length of chain connected at its inner end to said attaching ear.

1,517,750. WAVE MOTOR. EDWARD P. POWE, Berkeley, Calif. Filed Sept. 18, 1922. Serial No. 588,983. 3 Claims. (Cl. 170-90.)



3. A water motor comprising a supporting structure, power receiving pulley wheels mounted at the upper and lower ends of said supporting structure, an endless belt frame adjustable vertically in said supporting structure, an endless belt rotatable in said frame and adapted to operate power conveying pulleys, said power conveying pulleys adapted to be positioned between said power receiving pulley wheels and flexible means trained around said power conveying pulleys and power receiving pulley wheels whereby upon vertical adjustment of the endless belt, the power conveying pulleys will automatically adjust itself with relation to the power receiving pulley wheels.

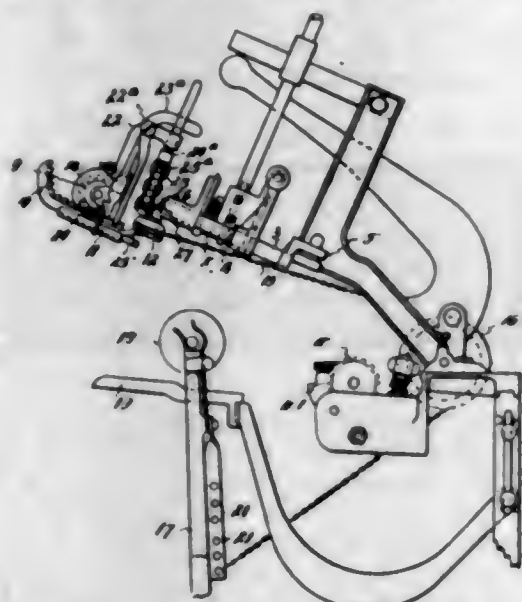
1,517,751. BOTTLE-LABELING MACHINE. PERCIVAL JOHN PURDY, London, England. Filed Aug. 9, 1922. Serial No. 580,679. 10 Claims. (Cl. 216-2.)



1. In a bottle labeling machine, the combination of, a swinging member; means upon said member adapted for impressing characters upon the backs of labels while

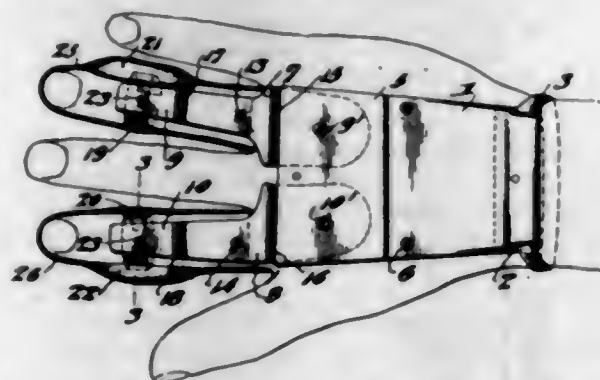
the labels are in the machine; and means for operating said member; said member having a straight line movement and a direct vertical movement.

1,517,752. BOTTLE-LABELING MACHINE. PERCIVAL JOHN PURDY, London, England. Filed June 13, 1923. Serial No. 645,130. 4 Claims. (Cl. 216-2.)



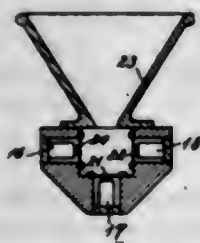
1. In a bottle labeling machine in combination, a label magazine, a body disposed beneath and clear of the labels in said magazine, a rack upon said body one end of said rack being upwardly inclined, a pinion engaging said rack, a shaft supporting said pinion, a spring opposing the movement of said pinion in one direction, means for operating the pinion against the action of the spring, type upon said body and means for inking said type.

1,517,753. FRUIT-PICKING DEVICE. DE SOTO E. RICHARDSON, Riverside, Wash. Filed Apr. 18, 1922. Serial No. 555,009. 8 Claims. (Cl. 294-25.)



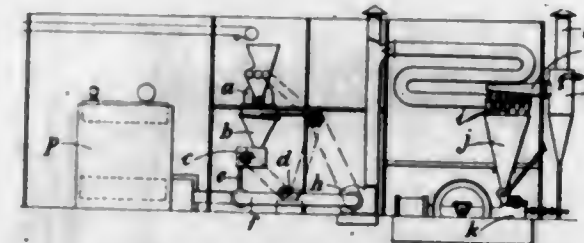
1. A fruit picking device comprising a stem-breaker, means to hold the stem-breaker upon a finger, and a protective cover over the stem-breaker.

1,517,754. TELEPHONE. HANS RIEGGER, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Mar. 24, 1921. Serial No. 455,374. 5 Claims. (Cl. 179-115.)



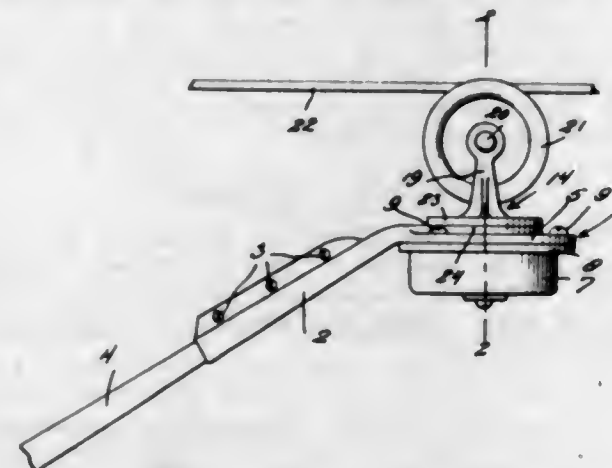
1. In a telephone the combination of at least one ribbon shaped diaphragm fixed at its longitudinal edges and electromagnetic means adapted to vibrate the diaphragm.

1,517,755. METHOD OF DRYING SOLID COMBUSTIBLE MATERIAL. THOMAS RIGBY, London, England. Filed Aug. 22, 1921. Serial No. 494,264. 5 Claims. (Cl. 34-24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The method of drying solid combustible material which comprises dispersing the material in a comminuted condition in a current of hot gas, causing the material to be deposited from the gas current after a period of suspension therein sufficient to effect the desired degree of drying and maintaining, during the drying, a substantially steady temperature of the gas at the point where the dried material is deposited from the current by variation of the rate of dispersal of the material into the current in the comminuted condition aforesaid.

1,517,756. TROLLEY HARP AND TROLLEY HEAD. RALPH SANTORO, Philadelphia, Pa. Filed Sept. 10, 1924. Serial No. 736,925. 1 Claim. (Cl. 191-60.1.)

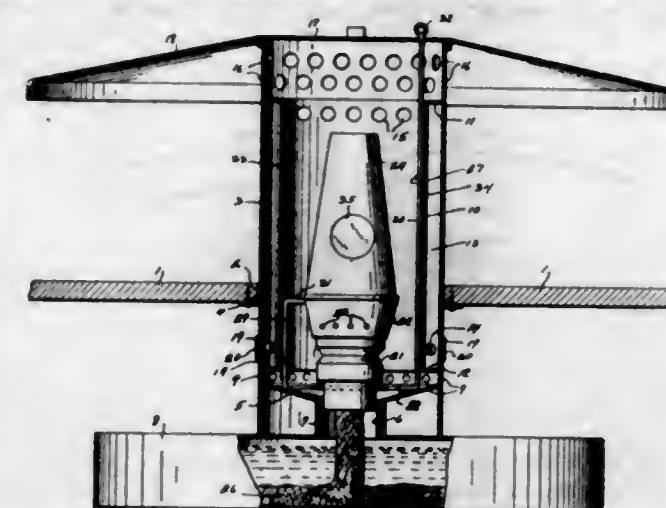


In a trolley harp and trolley head therefor, the combination with a trolley pole, a trolley head comprising a substantially flat base plate, means for securing the same on the upper end of the trolley pole, a casing secured to the bottom of the base plate, a trolley harp rotatably supported on said head comprising a spindle extending centrally through the base plate and the casing, a pair of spaced arms extending upwardly from the upper portion of the stem, a wheel rotatably mounted between the upper ends of said arms, means in said casing cooperating with the lower portion of the spindle for maintaining the wheels in engagement with the trolley wire, said means comprising a substantially semi-circular wall arranged in the casing, and spaced from the inner wall of the casing, an expansible coil spring supported between the semi-circular wall and the inner wall of the casing, said semi-circular wall having a slot formed therein, and a transverse pin extending through the lower portion of the spindle and adapted for engagement with the respective ends of the coil spring.

1,517,757. BROODER HEATER. JOHN M. SARGEANT, Elmira, N. Y. Filed Feb. 7, 1924. Serial No. 691,232. 5 Claims. (Cl. 119-32.)

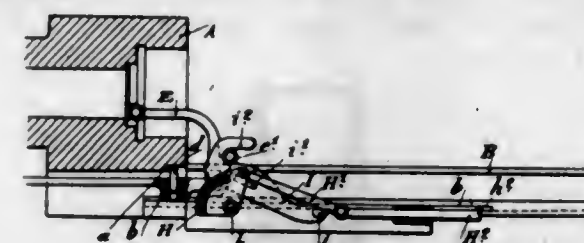
1. A brooder heater comprising a drum having inner and outer annular walls, the inner wall terminating in spaced relation to the ends of the outer wall and having flanges extending to the outer wall and providing heads for an air chamber between the walls, the outer wall having air inlet openings communicating with the lower

end portion of the air chamber and outlet openings above the air chamber, the inner wall having air outlet openings communicating with the upper end portion of the



air chamber, a hover positioned about the upper end of the outer wall for directing air passing through the outlet openings thereof downwardly, a cover for the upper end of the drum, and heating means in the drum.

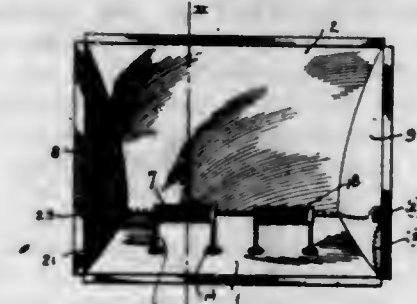
1,517,758. APPARATUS FOR LOADING AND RAMMING PROJECTILES IN GUNS. EUGENE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed July 3, 1923. Serial No. 649,307. 14 Claims. (Cl. 89-47.)



1. In an apparatus for loading guns, the combination of a recoiling barrel, a recuperator rammer rod adapted to recoil with said barrel, a rammer head pivotally secured to said rod, a cradle on which the barrel and rammer head move during recoil, a loading tray pivoted to said cradle, means for holding said rammer rod in its position of recoil, means controlled by movement of said tray for releasing said rammer head, and tray controlled means for imparting a pivotal movement to said head.

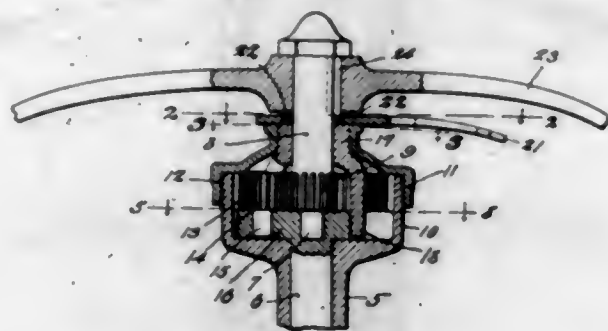
9. A shell rammer having two components in its ramming stroke, one of said components being a rectilinear movement of the rammer and the other component being a swinging movement of said rammer following its rectilinear movement.

1,517,759. REFLECTING HEATER. MILTON H. SHOENBERG, San Francisco, Calif. Filed Nov. 7, 1923. Serial No. 673,388. 12 Claims. (Cl. 219-34.)



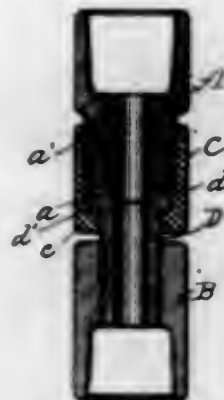
1. A reflector for radiant energy comprising a pair of curved surfaces merging together along a portion of the periphery of each and having a substantially common focus.

1,517,760. STEERING-GEAR INDICATOR. ABRAHAM J. SLONECKER, Trenton, Mo., assignor to Slonecker Products Company, Trenton, Mo. Filed Apr. 12, 1924. Serial No. 706,217. 4 Claims. (Cl. 116-31.)



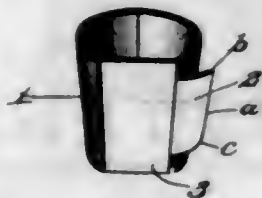
3. In a device of the character described, a steering column having a housing at its upper end, a steering post extending into the housing, a steering wheel positioned above the housing, means disposed within the housing for transmitting movement of the steering wheel to the steering post, a sleeve disposed within the housing, means for connecting the sleeve with the steering post to cause a relative movement of the sleeve, and an indicating member supported by the sleeve to move therewith.

1,517,761. COUPLING FOR ROTARY-DRILL-STEM SECTIONS. SAM SORESEN and CLARENCE E. REED, Houston, Tex., assignors, by direct and mesne assignments, to Reed Roller Bit Company, a Corporation. Filed Apr. 6, 1920. Serial No. 371,752. 3 Claims. (Cl. 285-122.)



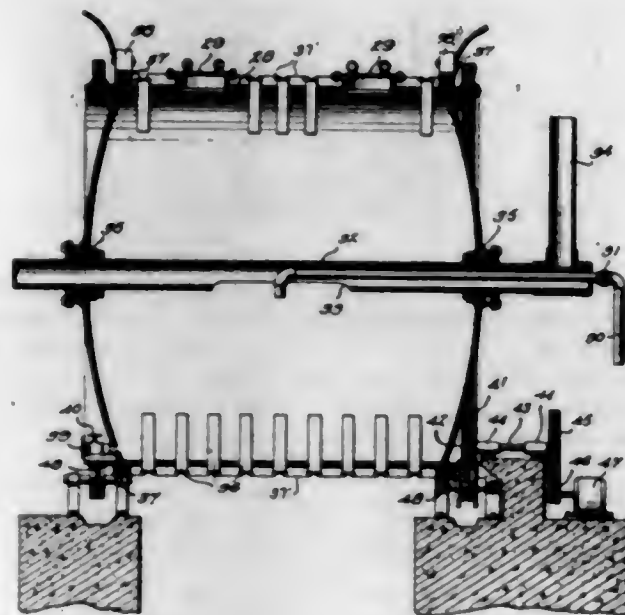
1. In combination in a coupling, two socket members, one having a nipple of reduced diameter screw threaded thereinto, and provided with a flange, and the other member having an external screw thread, a tongue and recess connection between the meeting ends of the nipple and the opposing socket member, and a collar held by the external screw thread of the socket member and engaging the flange to hold the members together, substantially as described.

1,517,762. KETTLE SCRAPER. DE KELLER STAMEY, Yonkers, N. Y. Filed Apr. 26, 1924. Serial No. 709,204. 3 Claims. (Cl. 15-236.)



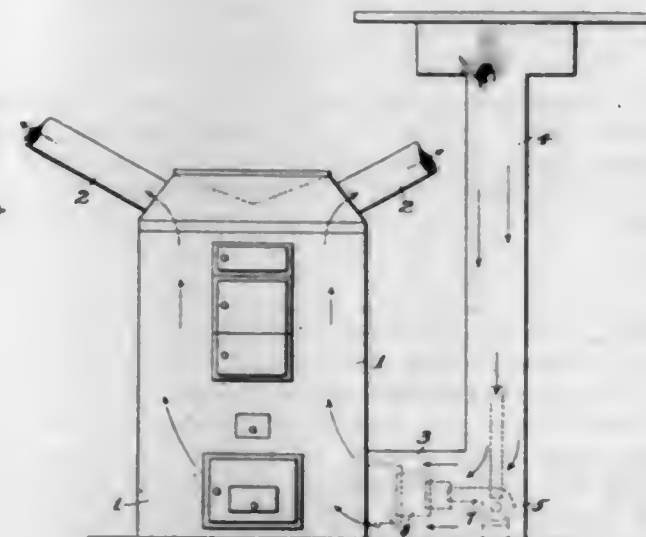
1. A scraper of the class described comprising a thimble and an outstanding blade struck therefrom, a portion of the thimble immediately adjacent to the blade being flattened.

1,517,763. APPARATUS FOR EXTRACTING FAT. BERNARD C. STELL and JAMES M. SPRING, Norfolk, Va. Filed July 19, 1923. Serial No. 652,608. 3 Claims. (Cl. 87-6.)



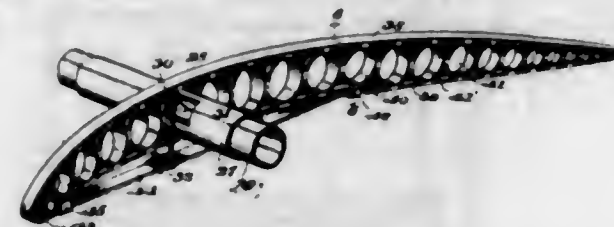
1. An extractor comprising a shell, means for rotating said shell, a stationary pipe arranged centrally of said shell and projecting beyond the ends thereof, said pipe being provided with an elongated opening within the shell, and a feed pipe arranged within said stationary pipe and having an open inner end projecting from said elongated opening.

1,517,764. HEATING SYSTEM. FREDERICK R. STILL, Detroit, Mich., assignor to American Blower Company, Detroit, Mich., a Corporation of New York. Filed Sept. 3, 1921. Serial No. 498,347. 4 Claims. (Cl. 126-110.)



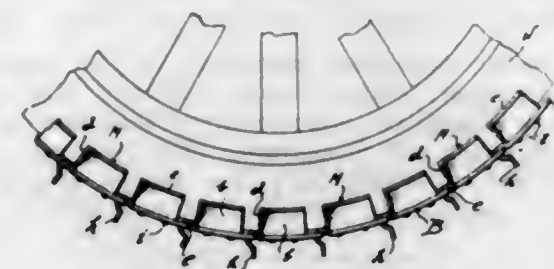
1. The combination with a hot air heating system including a furnace and air circulating ducts, said system being adapted to operate by gravity circulation, of means for providing at times a forced circulation for the system, said means including a plurality of tubular injector members of gradually increasing diameter, and concentrically arranged with relation to each other with the outer end portion of one projecting into the next larger tubular member, said tubular injector members being located within a duct of the system, a blower, and a discharge pipe connected with the blower outlet and having an outlet portion disposed concentrically to and adjacent one end of the smaller of said tubular injector members within the said duct.

1,517,765. AIRPLANE. WILLIAM B. STOUT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 2, 1918. Serial No. 220,070. 37 Claims. (Cl. 244-31.)



5. A rib for the wing of airplanes comprising a member convexly curved longitudinally, a lower member slightly curved longitudinally, one of said members having a portion offset toward the other member to form a recess and a bendable strip in said recess having its ends secured to the rib.

1,517,766. ANTISKID DEVICE. ADOLPH J. TORZEWSKI, Ringle, Wis. Filed Feb. 26, 1924. Serial No. 695,321. 8 Claims. (Cl. 152-16.)



2. In combination, an anti-skidding and anti-slipping device comprising a plurality of pivotally connected members adapted to be disposed circumferentially around the tread of a wheel, said members having plates projecting from the sides thereof, said plates being adapted to provide supporting surfaces and having ground engaging means provided thereon, said pivotal connection being provided by a lip flange of one member engaging a slot of the adjacent member and extending therethrough to provide additional ground engaging means.

1,517,767. X-RAY-FILM CARRIER. SINCLAIR TOUSEY, Garden City, N. Y. Filed Nov. 29, 1921. Serial No. 518,722. 5 Claims. (Cl. 250-34.)

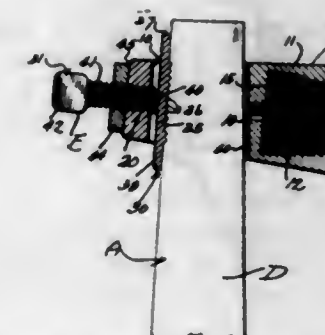


5. An X-ray film packet comprising a sheet of impressionable material having narrow edge portions turned over one face to hold the film and one edge portion being doubled and providing a finger piece, substantially as described.

1,517,768. LOOM PICKER. JESSE TOWERS, Chicopee, Mass. Filed Apr. 13, 1923. Serial No. 631,854. 1 Claim. (Cl. 139-159.)

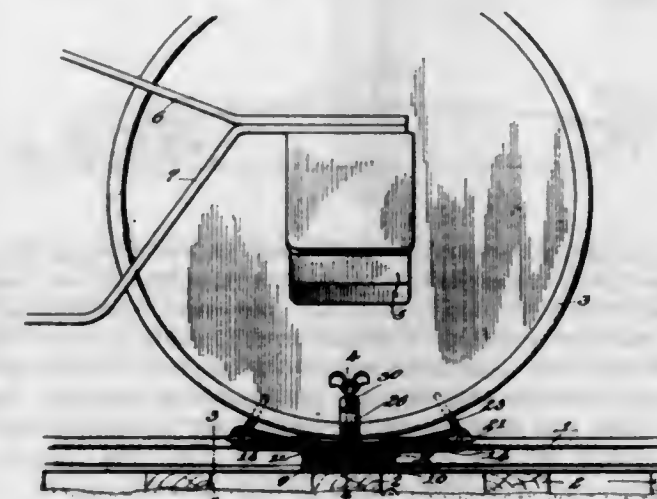
As an article of manufacture, a head for loom pickers having a substantially frusto-conical picker receiving recess therein which is of greater diameter at its inner

end than at its outer end, the walls of the recess being provided with annularly disposed serrations spaced from the bottom of the recess, a compressible cushion formed from a strip of yieldable material rolled to provide a body having convolutions, said body fitting in the recess for the entire depth thereof and expanding therein to fill the recess and having close fitting engagement



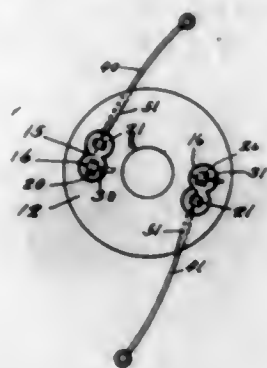
with the walls thereof between the serrations and bottom of the recess, and a wedge driven into the center convolution from outer end of the cushion when the cushion is in place and serving to expand the cushion and force the outer convolution into the serrations and retain the cushion in tight gripping engagement with the serrations.

1,517,769. MOUNTING FOR CAR-WHEEL JACKS. PETER E. VALENTINE, Princeton, Ky. Filed Dec. 14, 1923. Serial No. 680,712. 3 Claims. (Cl. 254-33.)



1. A device of the character described comprising a base adapted to be positioned upon a railway track at one side of a track rail and in abutting relation to the latter, said base being adapted for the support of a jack thereon, a stationary jaw member carried by said base for engagement with the proximate side of the rail, and a pair of other jaw members adjustably connected with said first jaw member for engaging with the opposite side of the rail at spaced apart points to cooperate with the stationary jaw member to releasably hold said base against movement relatively to the rail, said second named jaw members contacting with said rail at points respectively located at opposite sides of the point of contact of a wheel with said rail, and cooperative clamping members respectively carried by said first named jaw member and said second named jaw members for engaging respectively with the inner wall of the rim portion of the wheel and with the inner face of the rim portion of the wheel to co-operate with said jaw members to hold said wheel against movement relatively to the rail, said last named clamping members being adjustable for engagement with wheels of various sizes.

1,517,770. ELECTROMAGNET. ALFRED A. ZIEGLER, Boston, Mass. Filed Nov. 1, 1919. Serial No. 335,210. 2 Claims. (Cl. 175-21.)



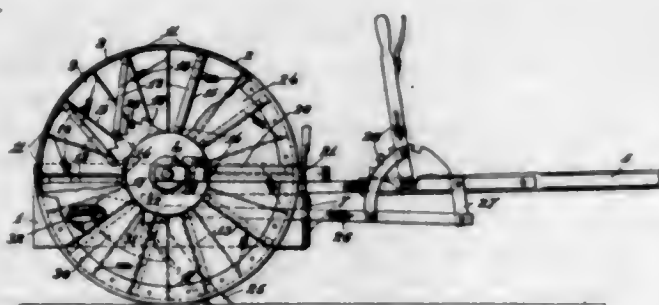
1. An electro-magnet having a head, a pair of plates of conducting material arranged on the head, each plate having portions struck up from it to form a pair of bars angularly disposed with relation to each other whereby to clamp wires in angular relation with each other, which bars are deflected with relation to the plate bodies to provide spaces beneath them for the end portions of the coil wires and the lead wires and are flattened to securely engage said wires.

1,517,771. TROUSERS STRETCHER. THOMAS JOHN AYLETT, Ramsgate, England, assignor to Strechanpres Trouser Appliance Company, Limited, London, England. Filed Dec. 10, 1923. Serial No. 679,826. 5 Claims. (Cl. 223-19.)



3. A trouser stretcher comprising a convex supporting surface for a garment, a clamping member at one end of the surface, a support for removably holding the said member capable of being swung about at said end of the surface, a flexible member formed to overlie said surface fixed at one end to the clamping member, and the other end fitted to a bar, a bracket at each side of the convex surface at the end away from the clamping member, said brackets being slotted to receive and removably hold the bar against tension applied to the flexible member from the clamping member end of the convex surface.

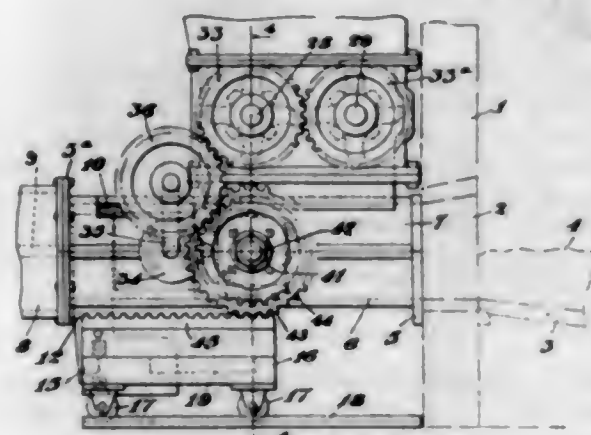
1,517,772. GRADING MACHINE. EUGENE M. COLE, Charlotte, N. C. Filed May 28, 1923. Serial No. 642,004. 13 Claims. (Cl. 37-9.)



1. In a grading machine, a tractor wheel, a plow adapted to throw the dirt into the said wheel, oscillatory buckets carried by said wheel for elevating the

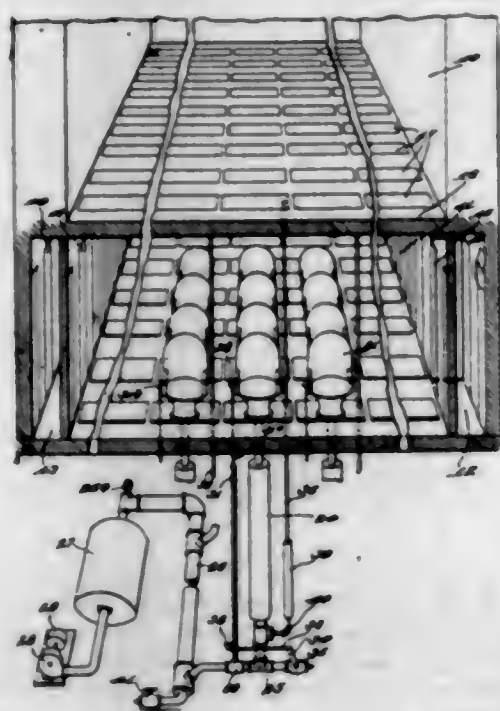
dirt, and means for swinging said buckets, to dump the same when they reach a predetermined position, substantially as described.

1,517,773. STOKER MECHANISM. WALTER G. DIMAN and JOHN M. KENDALL, Manchester, N. H. Filed Mar. 16, 1921. Serial No. 452,745. 13 Claims. (Cl. 110-101.)



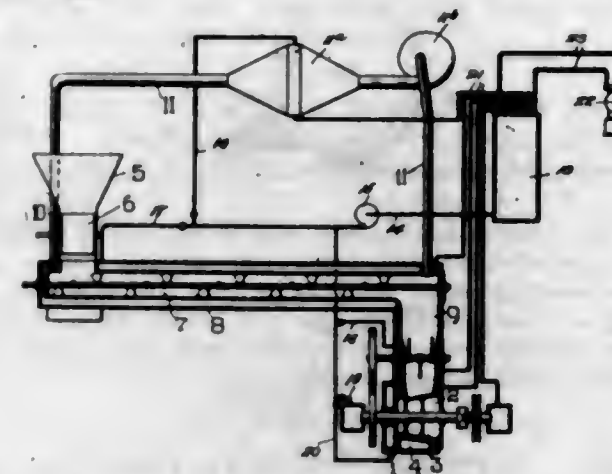
1. A stoker mechanism comprising a fuel hopper, reciprocating fuel feeding means adjacent said hopper, and means responsive to movement of said feeding means in one direction for discharging fuel from said hopper to said feeding means, said last named means being inoperative on reverse movement of said feeding means.

1,517,774. THEATER SEATING EQUIPMENT. LOUIS J. DUPREY, Dorchester, Mass. Filed July 10, 1923. Serial No. 650,596. 6 Claims. (Cl. 20-1.12.)



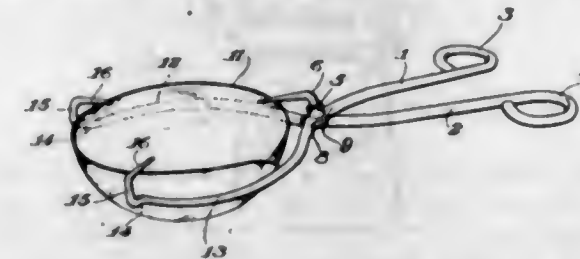
1. Theater seating equipment comprising an auditorium, a lobby or loading compartment located thereunder, and fluid pressure means under the control of the occupant for raising the seats individually from said loading compartment to the auditorium at will.

1,517,775. MANUFACTURE OF SUGAR PRODUCTS. JAMES LESLIE FAIRRIE, Liverpool, England. Filed Jan. 12, 1924. Serial No. 685,905. 5 Claims. (Cl. 127-30.)



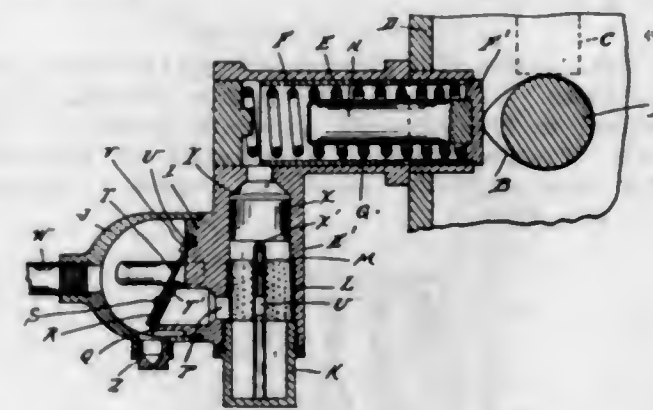
1. The process of reducing sugar crystals to a fine powder which comprises mechanically disintegrating the sugar at a temperature below 0° C.

1,517,776. TONGS. EDWIN H. FISHER, Pittsburgh, Pa., assignor to Scientific Materials Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 10, 1924. Serial No. 725,145. 3 Claims. (Cl. 294-28.)



1. Tongs for engaging the edges of open receptacles comprising jaw members adapted to engage the side walls of the receptacles and a plurality of projections adapted to extend over and seat upon the upper edge of the receptacle.

1,517,777. FUEL-FEEDING DEVICE FOR MOTOR CARS. FLOYD F. FLINT, Detroit, Mich., assignor, by direct and mesne assignments, of one-third to Maxwell W. Benjamin and one-third to Ralph W. McKinney and Bessie C. Pinkerton, all of Detroit, Mich. Filed Feb. 18, 1924. Serial No. 693,730. 7 Claims. (Cl. 158-30.4.)



1. Liquid feeding means comprising an air pulsator, a conduit with which said pulsator is in communication and forming an otherwise closed passage from the liquid supply source to the point of discharge, a highly sensitive check valve responsive to the action of said pulsator and located in said conduit between said pulsator and the liquid supply source, said check valve being arranged to float in open position during the nor-

mal effective action of the pulsator, the inertia of the liquid column between the valve and supply source preventing closing of said check valve.

1,517,778. FOUNDRY WASH AND PROCESS OF MANUFACTURING THE SAME. EDWARD D. FROHMAN, Pittsburgh, Pa. Filed Nov. 30, 1923. Serial No. 677,889. 6 Claims. (Cl. 22-189.)

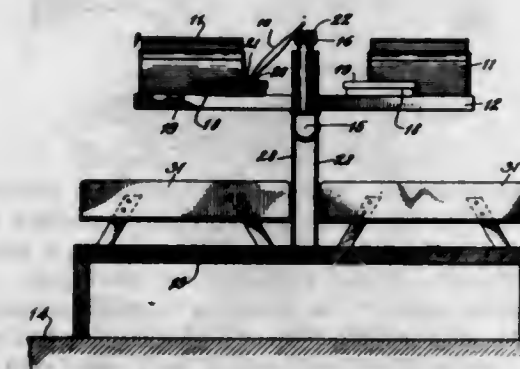
1. A wash compound for foundry cores and molds which is composed of a finely divided base material non-fusible in the presence of the metal casting temperatures and having carboniferous characteristics, a binding material, and an organic oil.

1,517,779. CLINICAL THERMOMETER. ARTHUR E. GLENN, Boone, Iowa. Filed Jan. 15, 1924. Serial No. 686,261. 2 Claims. (Cl. 206-16.5.)



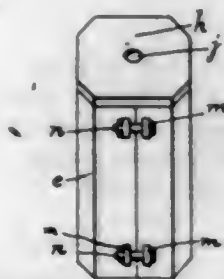
1. A case for a clinical thermometer having a screw cap at one end for the removal and replacement of the thermometer, said cap being provided with a removable closed end portion, and a cleansing and sterilizing substance mounted in the screw cap, the thermometer being adapted to be passed through the substance in said cap when the removable end is removed.

1,517,780. APPARATUS FOR FILLING AND CLOSING CAPILLARY CONTAINERS. WALTER GOODCHILD, Oakland, N. J., assignor to "Nips" Incorporated, Hoboken, N. J., a Corporation of New Jersey. Filed June 1, 1921. Serial No. 474,236. 10 Claims. (Cl. 226-75.)



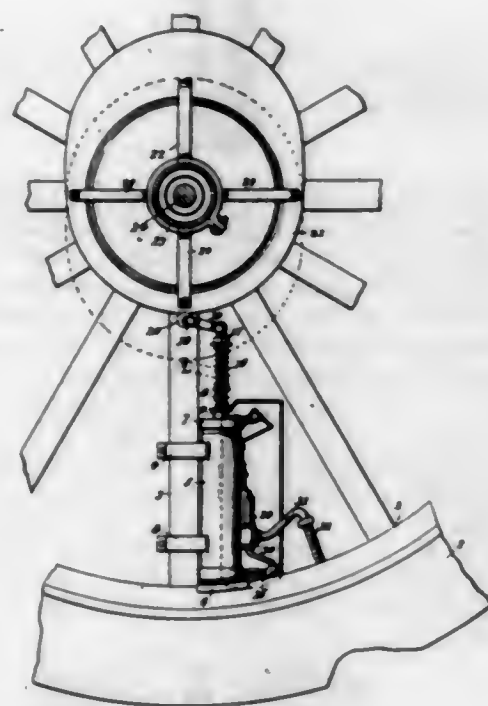
1. An apparatus for filling capillary tubes with liquid, including a blow pipe, a receptacle for the liquid adjacent thereto, and means serving to hold a tube so that one end thereof will be immersed in the liquid while its other end lies in the path of discharge from said pipe.

1,517,781. METHOD OF AND MEANS FOR PRODUCING HOLLOW BILLETS FOR HOLLOW DRILLS. FREDERICK FELIX GORDON, Sheffield, England. Filed Dec. 29, 1921. Serial No. 525,568. 2 Claims. (Cl. 22-140.)



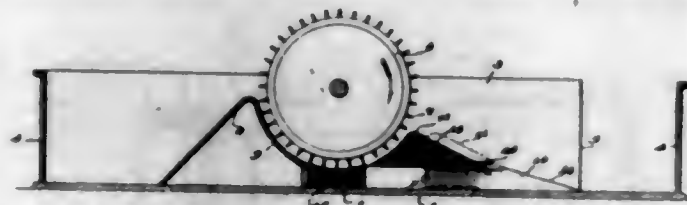
1. Means for producing hollow billets for hollow drills comprising a unit consisting of a molten-metal receiving open-ended tubular brick having a spigot and a socket at the opposite ends, openings and a central recess in the upper side of said brick, a two-part mould surmounting said brick and in open connection therewith, a removable cover to said mould, a central opening in said cover, and a hollow core positioned in said mould with its opposite ends seated in said cover-opening and brick-recess.

1,517,782. AUTOMATIC TIRE PUMP. BARNIE L. HARPER, Rineyville, Ky. Filed Feb. 1, 1922. Serial No. 532,192. 4 Claims. (Cl. 230-24.)



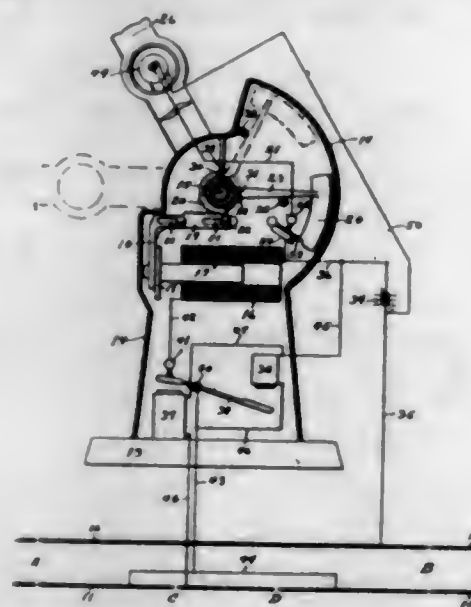
1. In combination, a pump including a cylinder and a piston rod reciprocating therein, a compressed air conducting pipe extending from said pump to a pneumatic tire, a pressure gauge mounted on said pipe, locking means associated with the movable member of said gauge for holding said pump in an inoperative position upon an undue increase of pressure in said tire, said locking means comprising a bar connected to the free end of said movable member and slidably mounted on said cylinder, a bolt slidably mounted on the upper face of said pump and adapted to engage a slot in said piston rod, and connecting means between said slidable bar and said slidable bolt for actuating the latter.

1,517,783. ATTACHMENT FOR BEATING ENGINES. JOHN LAWRENCE HARRIS, Thomson, N. Y. Filed Dec. 24, 1923. Serial No. 682,440. 7 Claims. (Cl. 92-24.)



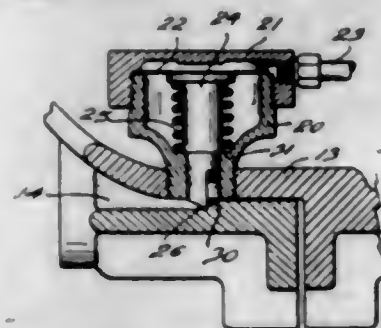
1. The combination with a beater roll, of a deflector block supported at the front side of the beater roll for cooperating with the beater roll to regulate the feeding of stock to the beater roll, said deflector block having limited movement toward and away from the peripheral wall of said beater roll.

1,517,784. AUTOMATIC RAILWAY-CROSSING SIGNAL. DAVID H. HILLIARD, Ames, Iowa. Filed Jan. 15, 1924. Serial No. 686,260. 7 Claims. (Cl. 246-128.)



1. In a railway crossing-signal, the combination with spaced track rails of an electro-magnet in open circuit therewith, a shaft, a signal member mounted on said shaft, a rack bar connected with the armature of said magnet, a toothed segment on said shaft engaged by said rack bar, a movable member normally in circuit with said rails and electro-magnet, a second electro-magnet for breaking the circuit through the first electro-magnet by oscillating said movable member, and a third electro-magnet for retaining said movable member in circuit-breaking position.

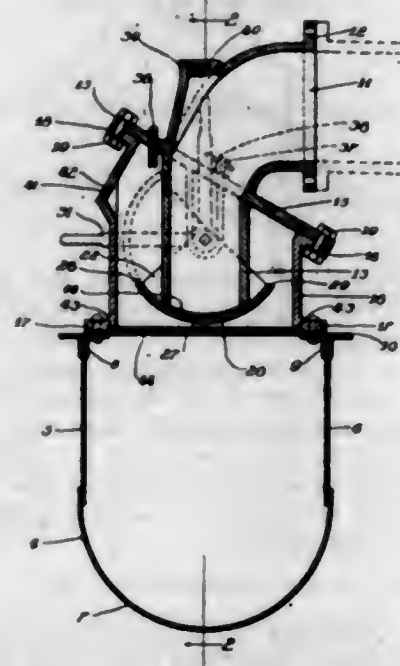
1,517,785. LOCK FOR AUTOMATIC TRAIN-PIPE CONNECTERS. CHARLES A. KOTHE, East Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del., a Corporation of Delaware. Filed Mar. 13, 1922. Serial No. 543,425. 3 Claims. (Cl. 285-58.)



1. In an automatic train pipe connector the combination with a pair of connector heads, each having a projection and a recess, the recess of one head having

a shoulder and the projection of the cooperating head having a latch carried thereby and arranged to cooperate with said shoulder, said latch being disposed on the inner side of said projection, a fluid pressure conduit associated with said head, said latch being controlled by the fluid pressure in said conduit.

1,517,786. VALVE FOR ASCENSION PIPES AND THE LIKE. THOMAS G. KUS, Winnetka, Ill., assignor to American Coke & Chemical Company, Chicago, Ill., a Corporation of Maine. Filed July 22, 1922. Serial No. 576,663. 4 Claims. (Cl. 48-172.)



4. The combination with a hydraulic main and an ascension pipe, of a valve interposed between said main and said pipe, said valve including a throat depending downwardly from the ascension pipe towards the top of the main, a segmental gate swingingly mounted with respect to said throat and working on a horizontal axis and adapted to swing below the lower end of the throat when in closed position, said gate being of greater width than the width of the throat, whereby the edge portions thereof reach beyond the sides of the throat when the gate is in the lowered and closed position, and means for swinging the gate on its axis, substantially as described.

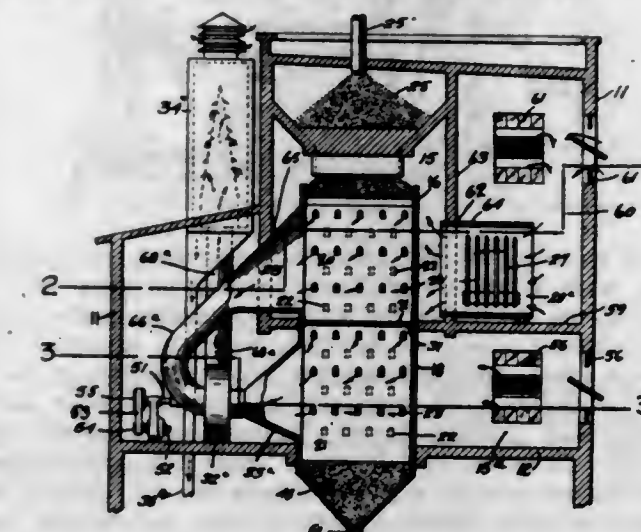
1,517,787. NASAL AND LARYNGEAL SNARE. EDWARD LANGBEIN, Brooklyn, N. Y. Filed July 9, 1921. Serial No. 483,494. 2 Claims. (Cl. 128-320.)



1. A surgical snare operating device comprising a tubular body part, a snare carrying rod slidable in said body part and having ratchet teeth on its rear end portion.

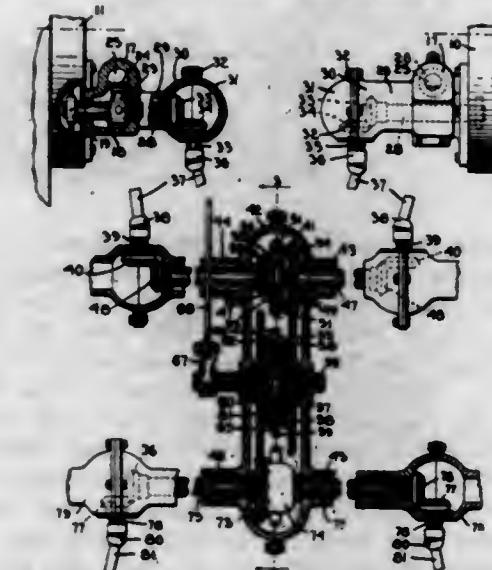
tion, a spring latch mounted exteriorly on the tubular body part and normally urged against said ratchet teeth to hold the rod from outward movement, a handle rigidly carried by the body part and having a hand-hold at its lower end adapted to be grasped firmly in the hand for firmly holding the body portion in position of use, a pawl on the body part for engagement with the ratchet teeth to advance the rod rearwardly in the body part, and an operating trigger shorter than the handle connected to the pawl and pivoted on the upper end of the handle above the handhold for operation by the index finger of the hand without relaxing the grip upon the handle.

1,517,788. GRAIN DRYING AND COOLING APPARATUS. PHILIP LITTLE, JR., Minneapolis, Minn., assignor to The Strong-Scott Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Original application filed Sept. 26, 1921, Serial No. 503,208. Divided and this application filed Mar. 27, 1924. Serial No. 702,333. 11 Claims. (Cl. 34-34.)



1. The combination, in an apparatus of the class described, with drying and cooling rooms, and a grain drier and cooler mounted therein, and having upper and lower air chambers, and vertical grain passages arranged between said chambers and said rooms, of means for circulating air through said rooms and chambers, and transversely through the grain in said grain passages, whereby dust will be removed from the passing grain, and means for conducting the dust-laden air to dust-collecting means.

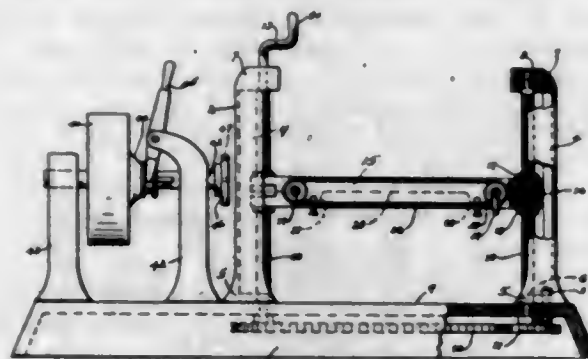
1,517,789. BRAKE MECHANISM FOR VEHICLES. RALPH M. LOVEJOY, Meredith, N. H. Filed June 8, 1921. Serial No. 475,912. 19 Claims. (Cl. 185-204.)



9. A vehicle having a plurality of pairs of wheels including steering wheels each of which is provided with a brake drum, nonrotatable disks carrying brakes cooperating with the respective brake drums, a brake

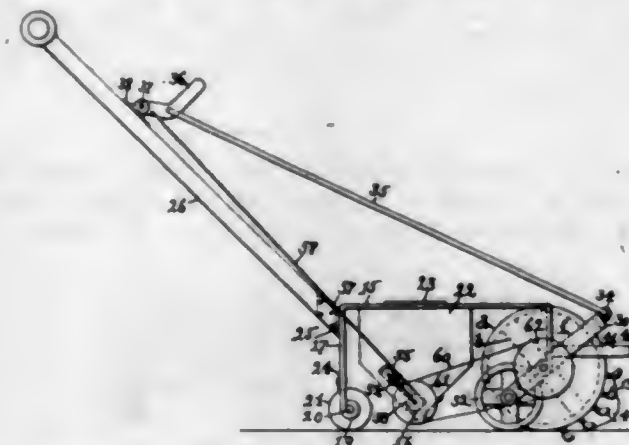
knuckle carried by each disk comprising a casing fixedly secured to said disk and a casing pivotally mounted upon said fixed casing, brake applying shafts mounted in said fixed casings, power transmitting shafts mounted in said pivotally mounted casing, means for simultaneously actuating said transmitting shafts, and members reciprocable in the direction of the axes of the pivotal connections of said casings acting to transmit rotation from said transmitting shafts to said brake applying shafts.

1,517,790. MACHINE FOR BURNING IN BEARINGS. CARL LOUIS LUCAS and ROBERT W. LAURENHEIMER, Richfield, Wis. Filed Jan. 6, 1922. Serial No. 527,340. 6 Claims. (Cl. 29—89.5.)



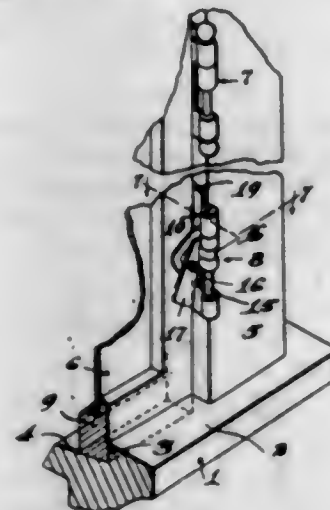
1. In a device of the character described, the combination with a relatively fixed bearing element and a power driven shaft therein, of an adjustable engine support including a pair of parallel, laterally movable side members symmetrically disposed with reference to said shaft, actuators each operatively connected with both members and positive driving connections between said actuators for their simultaneous operation, said actuators being adapted to impel said members in opposite directions whereby their symmetry and parallelism are preserved during lateral movement.

1,517,791. GROUND-SEEDING APPARATUS. ROBERT G. MCANDREW, Boston, Mass. Filed Mar. 25, 1922. Serial No. 546,747. 6 Claims. (Cl. 111—1.)



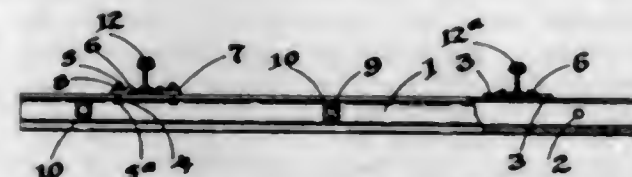
1. Apparatus for seeding golf putting greens comprising a supporting frame, a pair of green engaging elongated rollers supporting the frame, the forward roller comprising a knife roller having provision for making small individual cuts in the green separated from each other and of a character such as to preserve the smoothness of the playing surface of the green and the rear roller comprising a presser roller, a seed dispensing device mounted upon the frame having provision for directing substantially all of the dispensed seed into the relatively small cuts made by the knife roller, the weight of the apparatus being sufficient to cause the knives to penetrate the green, and the supporting rollers being of such width as to support the weight thereof so as to permit the apparatus to be moved across the green without sinking into the surface thereof.

1,517,792. HINGE. JOHN J. MCINTYRE, Los Angeles, Calif. Filed Oct. 3, 1922. Serial No. 592,119. 2 Claims. (Cl. 16—160.)



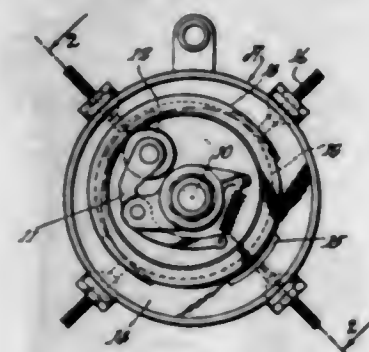
1. A hinge comprising a window leaf having an attaching plate with bearings at opposite corners, a slotted cam flange extending from the attaching plate between the bearings, a hinge pin in the bearings, a sleeve on the hinge pin, a lever pivoted to the sliding sleeve and having a cam pin extending into the cam slot and extending beyond the cam flange to serve as a handle, and a casing leaf having bearings fitting upon the hinge pin on each side of the sliding sleeve; said pin being slidable in said bearings and sleeve.

1,517,793. COMPOSITE RAILROAD CROSS-TIE OR SLEEPER FOR SUPPORTING THE RAILS OF A RAILROAD TRACK. HENRY MILLER, St. Louis, Mo. Filed Mar. 31, 1924. Serial No. 703,273. 2 Claims. (Cl. 238—49.)



1. A composite tie composed of two inverted sections of track rails provided with holes through their webs, and arranged parallel to each other, a spacing sleeve located between the webs of said sections, a bolt located in the holes of the rail sections and in said spacing sleeve, and a body of concrete located in the space between said sections and completely filling the same and surrounding said sleeve and bolt.

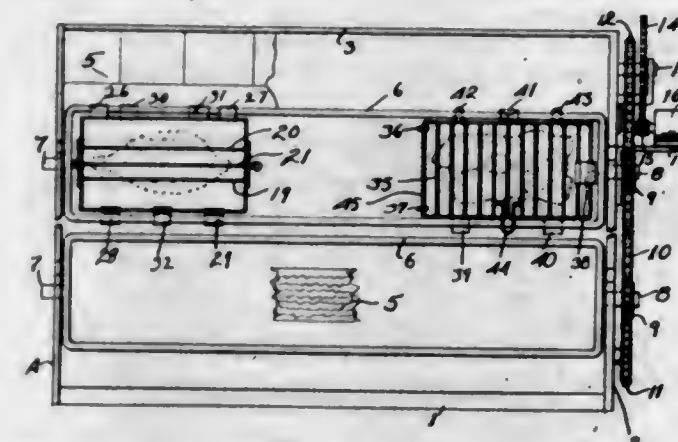
1,517,794. TIMING DEVICE. EINAR MINGE, Chicago, Ill. Filed Mar. 11, 1922. Serial No. 542,868. 5 Claims. (Cl. 200—26.)



1. In combination with a timing device of a rotatable roller bearing contact element and a number of contact segments equally spaced apart; a ring member interposed between the roller of said rotatable contact element and

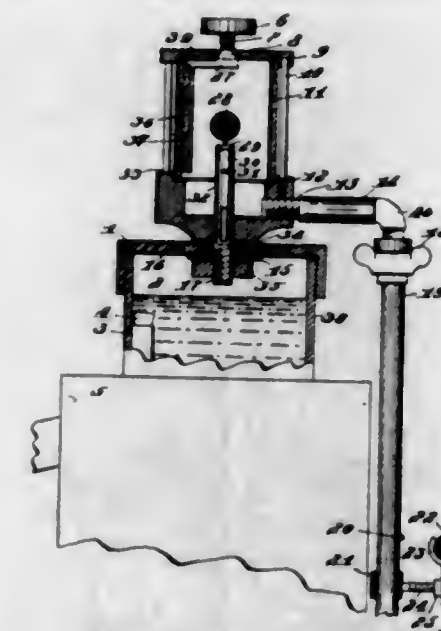
the commutator or raceway of said timing device for making successive operative contact between said roller and said contact segments, there being a number of parallel grooves formed in the opposite surfaces of said ring member to assure a clean contact between the contacting surfaces of said commutator or raceway and said roller with respect to the surfaces of said ring member, substantially as described.

1,517,795. BROILER. ALBERT C. MORRISON and FRANK SEYFERTH, San Francisco, Calif. Filed Mar. 25, 1924. Serial No. 701,696. 3 Claims. (Cl. 126—14.)



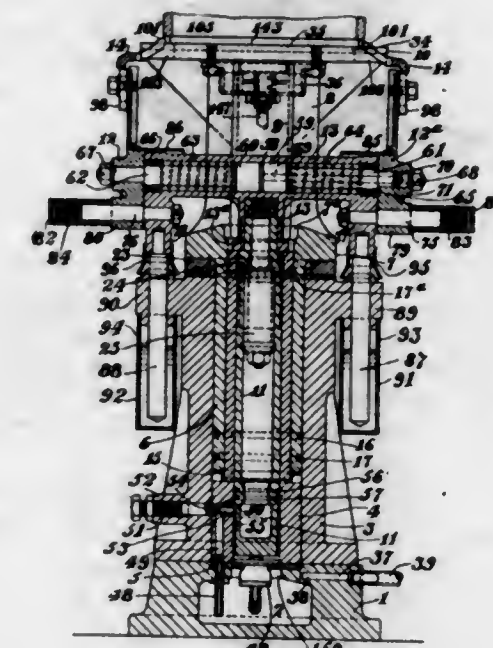
1. A meat broiler comprising a fixed frame, an elongated revolvable frame supported by the fixed frame, means to rotate the elongated frame, detachable meat broiling frames, snaps on opposite edges of the meat broiler to secure said broiler to the revolvable frame, and spring stops on the broilers to prevent them from being pushed through the revolvable frame.

1,517,796. WATER OVERFLOW AND STEAM INDICATOR FOR AUTOMOBILES. WILLIAM H. MUZZY, Evanston, Ill. Filed June 18, 1923. Serial No. 646,197. 7 Claims. (Cl. 116—114.)



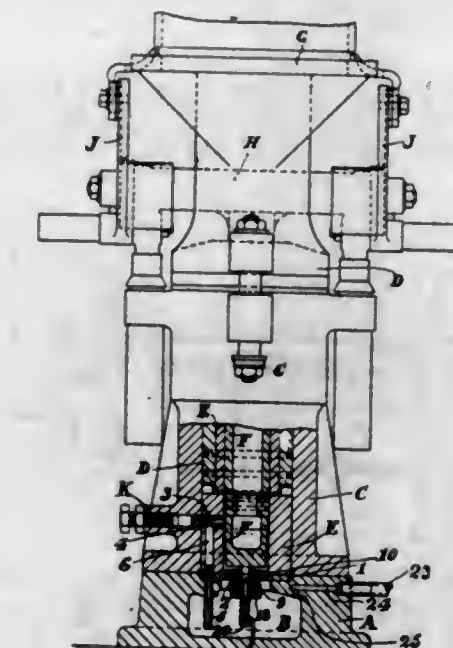
3. In an automobile the combination with an engine and its water cooling system including a radiator, of a glass chamber connected to the radiator and having a discharge so that the overflow or steam must pass there-through, a vertical discharge pipe discharging from the radiator into the chamber and a vertically movable indicator mounted loosely in the vertical pipe so as to be moved by the discharge there-through.

1,517,797. MOLDING MACHINE FOR FOUNDRY USE. JOHN BIRCH NESHAM, Glasgow, Scotland, assignor to John MacDonald & Son Limited, Glasgow, Scotland. Filed Mar. 9, 1923. Serial No. 623,829. 33 Claims. (Cl. 22—29.)



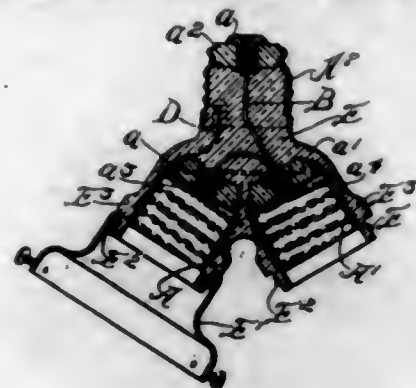
1. A foundry molding machine comprising, in combination, a cylinder, a jarring ram within the cylinder, a mould lifting ram within the jarring ram, and means for operating said rams.

1,517,798. MOLDING MACHINE FOR FOUNDRY USE. JOHN BIRCH NESHAM, Glasgow, Scotland, assignor to John MacDonald & Son Limited, Glasgow, Scotland. Filed Apr. 13, 1923. Serial No. 631,749. 14 Claims. (Cl. 22—48.)



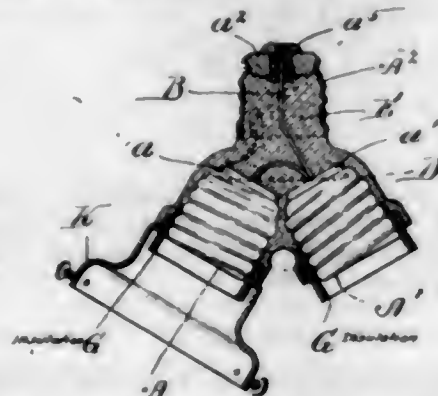
1. A foundry molding machine having in combination, a mould lifting ram arranged for operation by liquid under pressure and means on the ram for gradually increasing the rate of upward travel of said ram to a maximum near the end of its stroke.

1,517,799. MOLD FOR MAKING SOCKETS. WILLIAM M. PARKER, Parkersburg, W. Va. Filed Dec. 12, 1921. Serial No. 521,596. 3 Claims. (Cl. 18—59.)



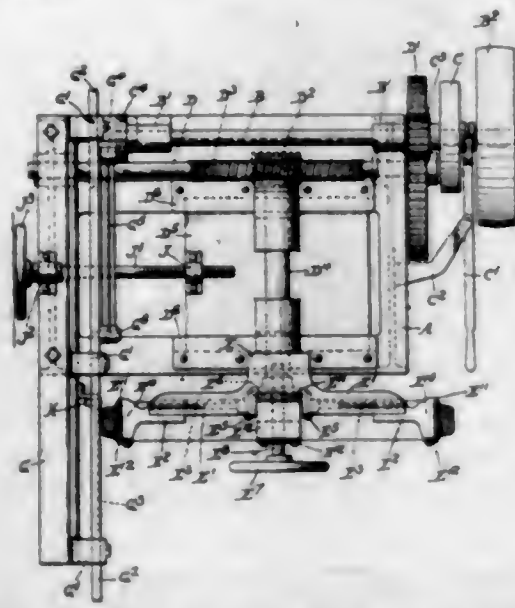
1. A core for the purpose described comprising an interior member having a threaded portion; and an exterior member having a thread of a pitch different from the pitch of the first-mentioned member, said members having capacity for relative longitudinal movement.

1,517,800. SOCKET AND RING. WILLIAM M. PARKER, Parkersburg, W. Va. Filed July 10, 1922. Serial No. 573,929. 3 Claims. (Cl. 240—78.)



1. A plural socket comprising a plurality of socket shells to receive lamps; an insulating casing for holding said shells in proper relative position; a shade holder ring for each shell; and an insulating tube for each socket, separate from the casing, and insulating each ring from its shell and supporting each ring in proper relation to its shell.

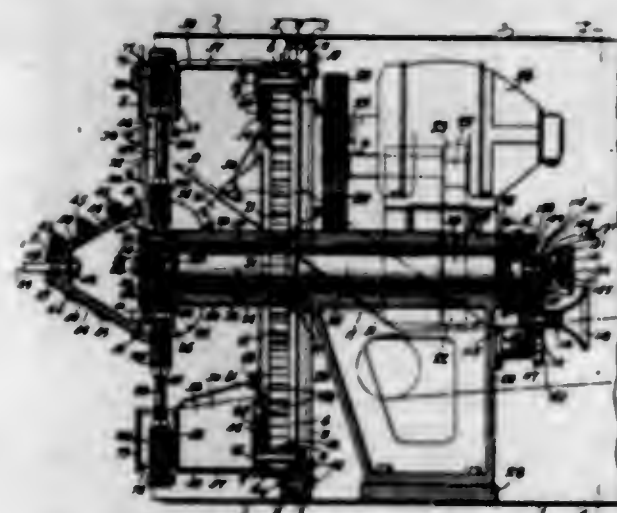
1,517,801. APPARATUS FOR AND PROCESS OF CUTTING TIRES. HUGO REICHEL, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 633,881. 12 Claims. (Cl. 164—48.)



1. In a machine for severing a rubber tire from its rim, a rim and tire supporting element and means for securing the rim and tire thereupon, a knife and means

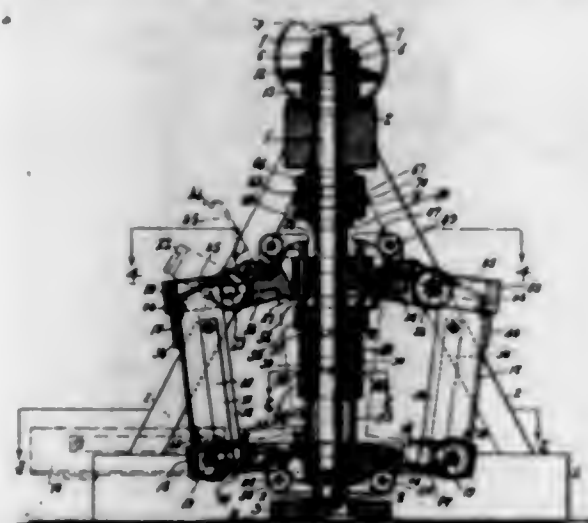
for reciprocating it, means for guiding it along a path intersecting the plane of the tire, but beyond the periphery of the tire rim, means for rotating the tire and the rim during the reciprocation of the knife, a movable carriage for said rim and tire supporting element, and means for freely moving it toward and away from the path of the knife, and means for limiting the inward movement of the tire supporting element toward the path of the knife to the point where the tire rim closely approaches but does not contact the knife, and for holding it at that point during the severing of the tire from the rim.

1,517,802. TUNNELING MACHINE. MILTON ROY SHEEN, Philadelphia, Pa., assignor to Tunnel Machine Manufacturing and Engineering Company, Philadelphia, Pa., a Corporation of Delaware. Filed May 14, 1921. Serial No. 469,511. 77 Claims. (Cl. 202—7.)



1. A machine of the character described having a cylindrical casing, a bearing concentrically mounted within the casing, cutting mechanism rotatably mounted upon said bearing at the forward end of the casing and mechanism for shifting the center of rotation of the cutting mechanism in relation to the center of the bearing whereby the cutting mechanism will form an excavation eccentric to the casing.

1,517,803. BLOCK-FORMING MACHINE. MILTON ROY SHEEN, Philadelphia, Pa., assignor to Tunnel Machine Manufacturing and Engineering Company, Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 8, 1922. Serial No. 580,395. 30 Claims. (Cl. 25—41.)

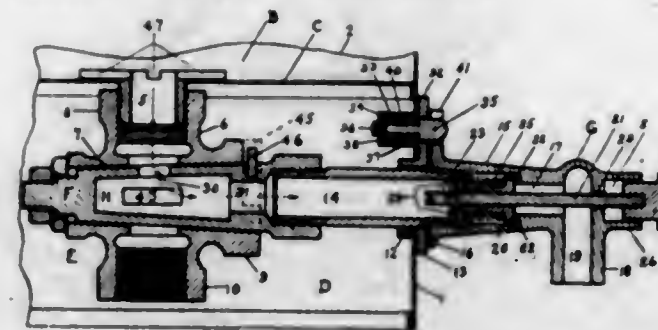


1. A block forming machine comprising a rotatable frame, a mold adapted to be carried upon the frame for containing plastic material to be treated, mechanism for whirling the frame, mechanism operably associated with the rotatable frame for moving the mold towards the axis of rotation of the frame and for releasing the

mold to the action of centrifugal force during the rotation of the frame to impart a jarring action to the mold.

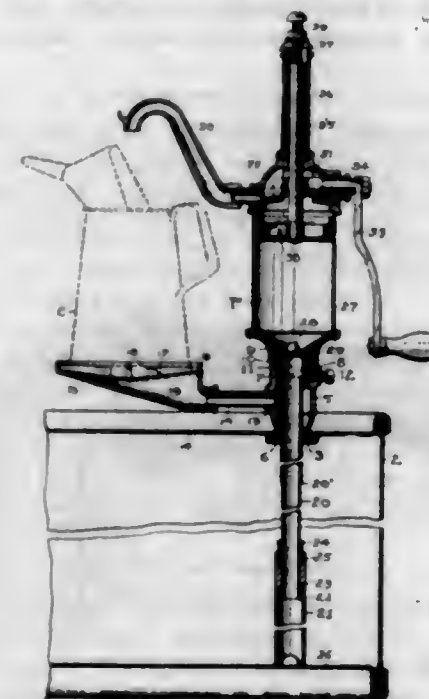
21. A block forming machine comprising a frame rotatable upon a vertical axis, a mold for containing plastic material, and securing means upon the frame for holding the mold in an inclined position in which the upper portion of the mold is farther from the axis of rotation of the frame than the lower portion of the mold.

1,517,804. ATTACHMENT FOR WATER COOLERS. GEORGE W. SHULTZ, Dayton, Ohio, assignor to The Dayton Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 21, 1924. Serial No. 700,944. 10 Claims. (Cl. 137—21.)



10. In attachments for water coolers, the combination with a reservoir adapted to contain water, of a valve located below the bottom of the reservoir and being in communication therewith, a flanged bushing secured to and extending through one of the walls of the cooler, a faucet located outside of the cooler adjacent the said flanged bushing, a member connecting said faucet and said valve; said member being movable in said bushing and having a water passage therethrough, whereby when the faucet is in its normal position water will flow from the reservoir through the valve to the faucet and when moved to another predetermined position the flow of water to the faucet will be cut off and will pass through the valve to discharge the contents of the reservoir and drain the cooler, and a locking device adapted to secure the faucet against undue movement thereof.

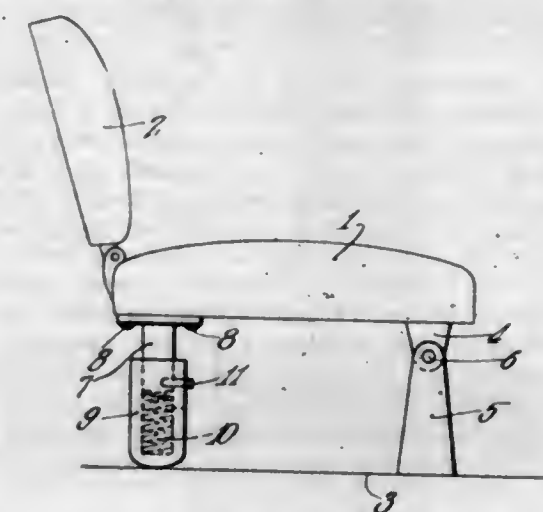
1,517,805. DISPENSING AND MEASURING PUMP. CHARLES SPAETH, Cleveland, Ohio, assignor to The Marvel Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 10, 1922. Serial No. 593,556. 2 Claims. (Cl. 221—72.)



1. A dispensing and measuring pump having a tubular base provided with a reduced integral extension, a separate hollow coupling member adapted to receive said

extension having an open screw-threaded reduced portion adapted to be inserted and secured tightly within an opening in the head of a barrel, a drain pipe connected with the side of said separate coupling member a set screw at one side of said coupling member adapted to engage said pump base extension, a pipe extending through said coupling member and connected with said pump base extension, and an extensible inlet tube slidably sleeved upon said pipe adapted to permit said pump to be used with barrels of different sizes and capacities.

1,517,806. AUTOMOBILE SEAT SHOCK ABSORBER. PERCIVAL H. SPENCER, Hartford, Conn. Filed May 21, 1923. Serial No. 640,560. 1 Claim. (Cl. 155—55.)



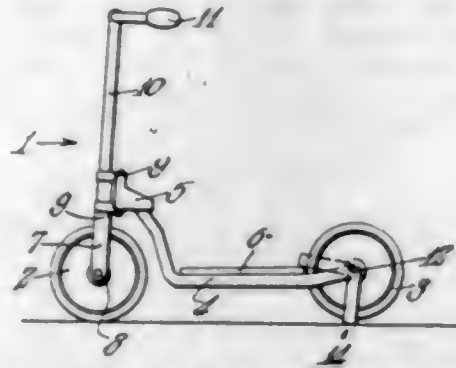
The combination with an automobile of a seat therefor, having a hinged back rest arranged to be folded on said seat, upright front supports for said seat fixedly secured to the floor or chassis of the automobile, hinged connections between said supports and the front edge of said seat to permit folding of said seat forwardly, said supports and connections acting to secure said seat to said automobile, and a cushioning support fixed to the rear edge of said seat for being carried therewith in the forward folding movement of said seat and arranged to rest freely on said floor said cushioning support comprising a plunger and a telescoping socket with an interposed spring housed in said socket, together with means to limit the relative movement between said plunger and socket.

1,517,807. GAUNTLET. FRANK P. STELL, Cudahy, Wis. Filed Dec. 12, 1921. Serial No. 521,739. 1 Claim. (Cl. 2—162.)



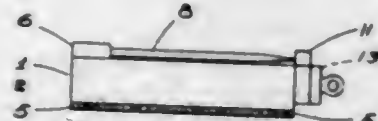
A gauntlet having a hand portion, a wristlet secured thereto, said wristlet being continuous throughout its extent on both its front and back from its outer edge to the hand portion, a stiffening lining for the wristlet extending from the hand portion throughout the back half of the wristlet and across the outer front half of the wristlet and on the forward side of the wristlet being spaced from said hand portion, and a line of stitching joining said hand portion and wristlet, whereby a wristlet of unbroken continuity and stiffened throughout its back portion and the outer portion of the front is provided.

1,517,808. SUPPORT FOR PEDICYCLES. JOSEPH STANISTE, Westfield, Mass., assignor to Westfield Manufacturing Company, Westfield, Mass., a Corporation of Massachusetts. Filed June 2, 1923. Serial No. 643,054. 3 Claims. (Cl. 208-75.)



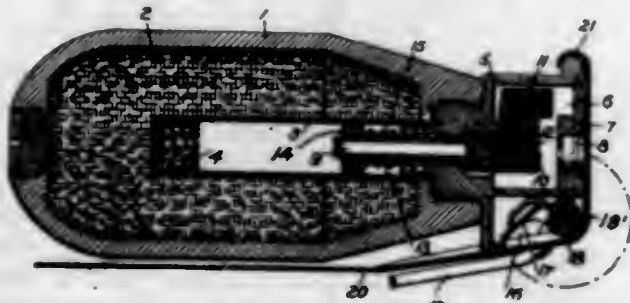
1. The combination with a two wheeled coaster comprising a supporting frame member having a forked rear end to carry an axle and wheel, said forked rear end lying wholly below the top of said wheel, of a U-shaped supporting stand comprising spring contracted vertically disposed side members that are pivoted upon the ends of said axles to yieldingly embrace the supporting frame and adapted to swing from a position beneath said wheel to a position on top of said frame member, the said stand having a flat horizontal portion connecting the side members that is adapted to engage the roadway throughout its length, a stop carried by one of said members that is adapted to abut one of the other members to limit the relative swinging movement of said members.

1,517,809. SHOPPER'S NAIL CLEANING AND POLISHING SET. EDNA SIBLEY TIPTON, Chicago, Ill. Filed July 14, 1924. Serial No. 725,884. 4 Claims. (Cl. 132-75.)



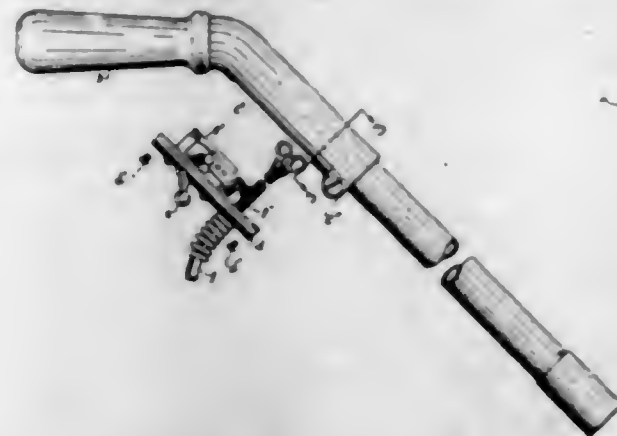
1. A shopper's nail cleaning and polishing set comprising a tubular case having a buffing material secured to a portion of its outer surface, a tubular powder-container telescopically insertable within and withdrawable at will from said case, one end of said container being permanently closed, the other end being open and arranged for the reception of a closure element, and a closure element for said container consisting essentially of a straight, non-tapering plug member adapted to be inserted and longitudinally adjustable within said open end and having a portion of its surface removed at and extending from its inner end for a portion of its length, whereby, when said plug is adjusted in the direction of its removal, an opening is formed for the release of powder from said container.

1,517,810. FUSE. SAMUEL WILEY, Metuchen, N. J. Filed Apr. 11, 1923. Serial No. 631,423. 7 Claims. (Cl. 102-29.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



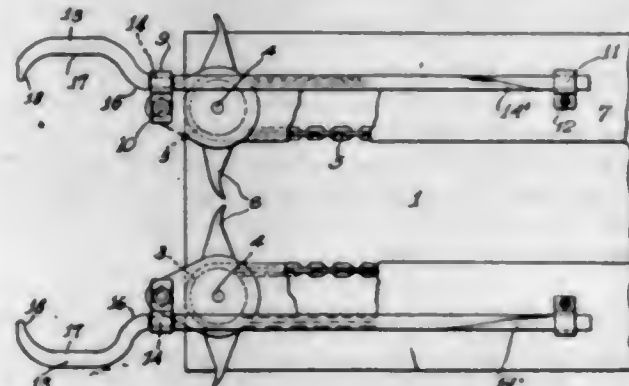
5. A fuse, embodying a tube formed with a reduced hooked end, a counterweight and combustible material retaining the hooked end in engagement with the counterweight.

1,517,811. SWITCHING HANDLE. OLO C. WILLIS, Cleveland, Ohio, assignor to The P. A. Geler Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 1, 1920. Serial No. 378,322. 5 Claims. (Cl. 200-157.)



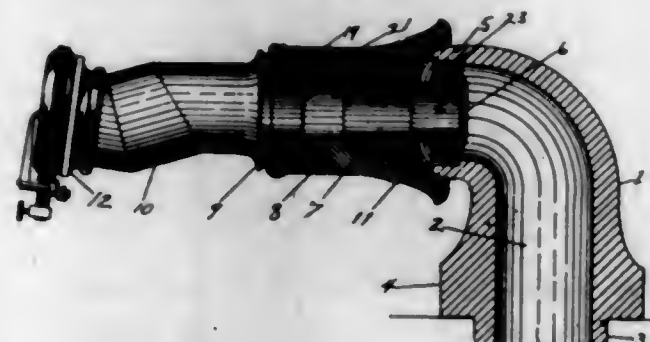
1. A switching handle of the class described, comprising a pistol grip, an associated tubular portion laterally slotted along its under side and angularly connected with the grip, a mounting plate normally closing said slot and a downwardly protruding switch trigger mounted thereon adjacent to said pistol grip in position to be readily actuated by the finger of the operative, substantially as set forth.

1,517,812. TEARING DOWN AND GATHERING ARM FOR COAL LOADERS. FRANK N. WILSON, St. Louis, Mo. Filed July 7, 1922. Serial No. 573,428. 11 Claims. (Cl. 198-10.)



1. In a loading machine, a gathering arm, means to impart to said arm an orbital movement and means to simultaneously impart to said arm a partial rotative movement.

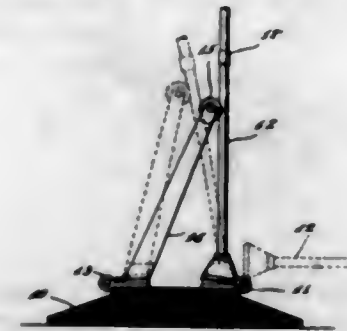
1,517,813. SOUND CONVEYER FOR TALKING MACHINES. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation, a Corporation of New York. Filed Oct. 19, 1918. Serial No. 258,898. 1 Claim. (Cl. 274-23.)



In a tone arm for talking machines, a stationary tubular member and a movable tubular member, one of said members provided with a bell-shaped end piece which overlaps and conceals the end of the other member, means concealed by said members for securing said mem-

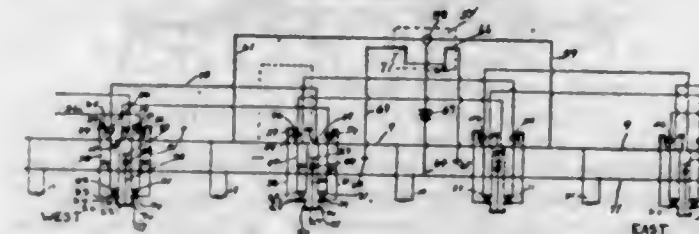
bers in overlapped but spaced apart relation, said means including a tube fitting tightly within the bore of one of the members and supported by gimbals within the bore of the other member.

1,517,814. CLOTHES BAGGER. JOHN V. WOLSEFFER, Indianapolis, Ind. Filed Apr. 5, 1924. Serial No. 704,540. 5 Claims. (Cl. 211-13.)



2. A clothes bagger, comprising a base, a vertical rod pivotally mounted on said base on a horizontal axis so that it can be swung from a substantially vertical to a substantially horizontal position, spring means tending to hold said rod substantially vertical, and a resilient bumper arranged to cushion the return of the rod to its vertical position after it has been swung therefrom, said rod being adapted at its upper end to support a garment.

1,517,815. AUTOMATIC TRAIN STOP. JOHN H. WRIGHT and BRUCE H. GROVE, Byron, Calif., assignors of one-tenth to Arthur E. Miller, Sacramento, Calif., and one-tenth to Asaph Wilder, Byron, Calif. Filed Apr. 18, 1922. Serial No. 554,651. 4 Claims. (Cl. 240-49.)

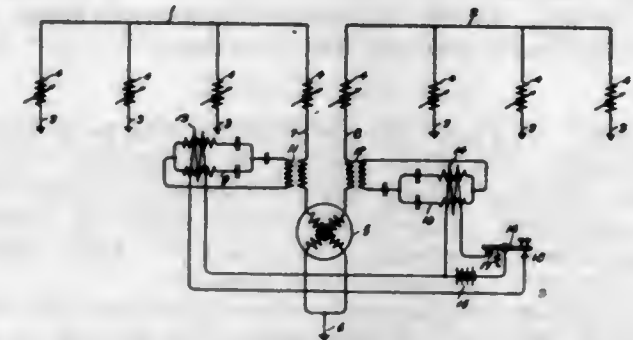


4. In a train control system, the combination of parallel tracks, one of said tracks being divided into sections through the medium of insulating pieces, a plurality of track pick-up rails positioned adjacent said parallel rails at a point in line with said insulating pieces, a bus-bar connected to each of said pick-up rails, a signal battery in series with said pick-up rail and said bus-bar, a contact carried at each end of said bus-bar, track relays having armatures adapted to contact said contacts, each of said relays being electrically connected to said continuous rail and having their opposite sides electrically connected to the adjacent ends of two of said track sections, a battery connected to each of said rail sections and having its opposite side connected to said continuous rail, control relays, each of said control relays having one side connected to said continuous rail and having their opposite sides connected to a remote rail section, said sections being in opposite directions from each other, a locomotive adapted to pass over said parallel tracks, means carried on said locomotive for contacting said pick-up rails, means electrically connected with said contact means for giving a visible signal in said locomotive and electrical means connected with said contact, and means for applying the brakes of said locomotive.

1,517,816. RADIO TRANSMITTING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 24, 1921. Serial No. 480,218. 13 Claims. (Cl. 250-17.)

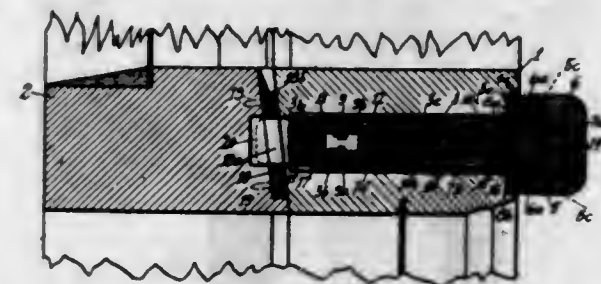
5. The method of operating a radio transmitting system which consists in continuously supplying currents

of different phase to different portions of the radiating system, and varying the relative phase of the different



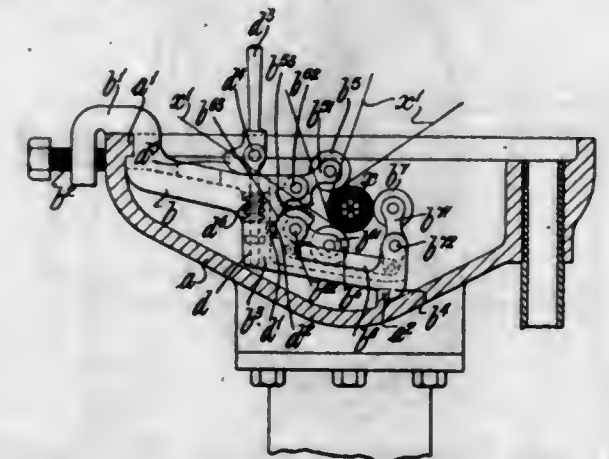
currents in such a way as to produce in accordance with signals a desired variation in the direction of the effective radiation.

1,517,817. WINDOW STOPLOCK. BENJAMIN F. AUFDERHEIDE, Davenport, Iowa, assignor of one-half to William F. Young, Davenport, Iowa. Filed Apr. 18, 1924. Serial No. 707,331. 7 Claims. (Cl. 292-169.)



1. In a stop-lock a shaft having a journaled end portion, suitable for mounting thereon, in order named, a sleeve cap, and a thimble cap, said journaled end portion being provided with transverse hole means suitable for the engagement of pin means provided for securing said sleeve cap and said thimble cap thereon, said shaft also having disposed between its ends a tapering journaled portion suitable for installing thereon a spiral spring; one of the ends of said shaft being of the same diameter of the larger end of said tapering portion, said shaft end having right-angularly protruding from the annular surface thereof a pin, suitable to move unobstructedly within a slot provided in a sleeve to be mounted movably on said shaft.

1,517,818. APPARATUS FOR APPLYING HELICALLY-WOUND INSULATION TO CABLES. CHARLES JAMES BEAVER, Hale, England, assignor to W. T. Glover and Company Limited, Trafford Park, Manchester, England. Filed Mar. 11, 1924. Serial No. 694,434. 7 Claims. (Cl. 117-50.)



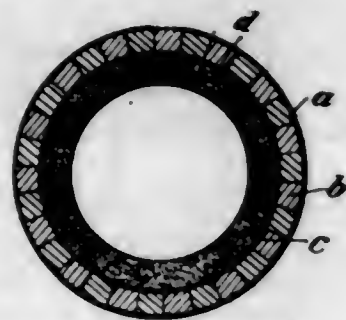
1. Apparatus for making long lengths of flexible electric cables where the insulation consists of strips of helically wound compound impregnated paper to be wound upon the conductor, the combination of a trough

through which the conductor is passed and axially rotated, and guiding means for said conductor within the trough constructed and located to prevent the conductor while passing through the trough from being drawn or deviating from a straight line of travel.

1,517,819. METHOD OF PRODUCING CARBON ELECTRODES AND THE PRODUCT THEREOF. HANS BERN, Ratibor, Upper Silesia, Germany, assignor to Rutgerswerke Aktiengesellschaft, Abteilung Planawerke, Berlin, Germany. Filed Apr. 17, 1924. Serial No. 707,318. 7 Claims. (Cl. 204-65.)

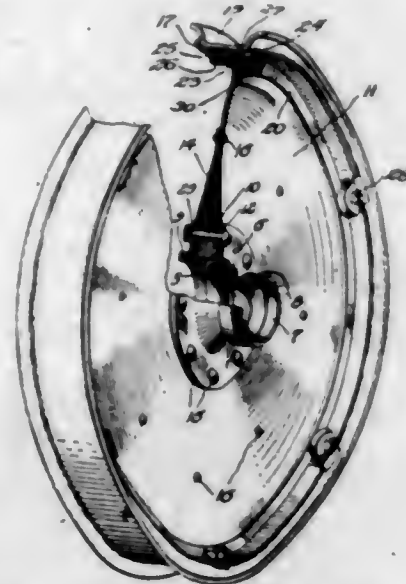
1. A process for producing carbon electrodes from raw materials having a low ash content and purified by the flotation method of separation, characterized in that the powdered raw material so purified is compressed into briquettes with suitable binders and then subjected to heat to effect carbonization and compactness, the briquettes being then ground down to the desired size of grain and used in known manner for producing electrodes.

1,517,820. PROCESS OF LINING FURNACES, CONVERTERS, AND THE LIKE. EDUARD BONO, Suchteln, Germany. Filed July 3, 1922. Serial No. 572,709. 10 Claims. (Cl. 266-43.)



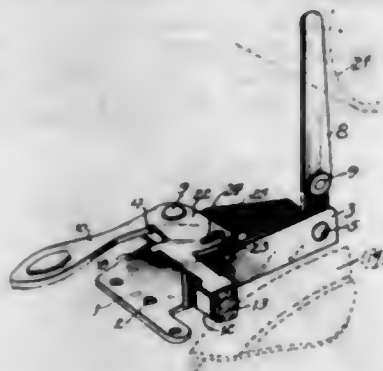
1. The improved process for lining furnaces and the like, which consists in fitting them with moulded fire bricks, coating said fire bricks with an insulating layer and applying an inner layer consisting of tamped quartzite rubble mixed with fire clay.

1,517,821. WHEEL. FERDINAND A. BOWER, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 11, 1921. Serial No. 468,764. 4 Claims. (Cl. 301-63.)



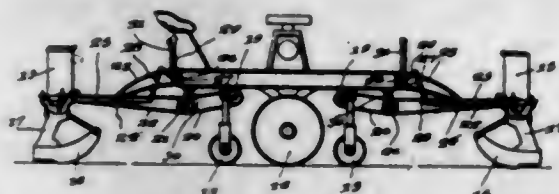
2. A wheel comprising, in combination, a supporting disk having a laterally-extending flange about its periphery, and a band of L-shaped cross section one portion of which rests on the flange of the disk and the other portion of which constitutes an inwardly-extending flange overlapping the side of the disk.

1,517,822. PHONOGRAPH STOP. JOSEF BRANDSTETTER, Chicago, Ill. Filed Mar. 17, 1924. Serial No. 699,814. 11 Claims. (Cl. 192-122.)



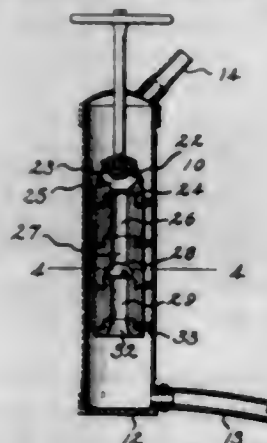
1. A phonograph stop comprising a supporting member having a riser portion and an elevated ledge connected to the riser portion; a brake lever pivoted to the said ledge on a vertical axis; a latching lever pivoted to the riser on a horizontal axis and having a shoulder adapted to engage the brake member for holding the latter in its inoperative position; and spring means continuously tending to move the latching lever into its said holding position and to move the brake lever into operative position.

1,517,823. TRACTOR PLANTER. ALVIN BROWN, Plainfield, Ill. Filed Mar. 17, 1922. Serial No. 544,669. 1 Claim. (Cl. 111-63.)



A machine of the class described comprising a frame having its opposite ends formed with longitudinally extending spaced parallel downwardly curved bracket arms, pairs of spaced beams fulcrumed intermediate their ends on the outer ends of said bracket arms, planting units carried by the outer portions of said pairs of beams, links connected to the inner ends of said beams, adjusting shafts carried by opposite ends of said frame and having cranks connected to the inner ends of said links, and hand operated levers connected to said adjusting shafts and adapted to be operated for raising and lowering said planters.

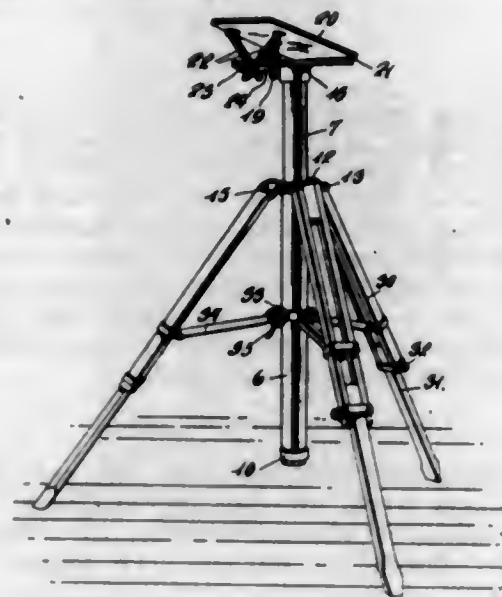
1,517,824. PUMP. SAMUEL S. BROWN, Smiley, Saskatchewan, Canada. Filed June 23, 1923. Serial No. 647,339. 1 Claim. (Cl. 103-225.)



In a pump, a piston carried by a piston rod and consisting of a series of sections secured together, all of said sections being formed with registering bores, cupped leather washers secured between said sections, the uppermost section being formed with holes and the upper

end of the bore therein being branched and leading to said holes, flap valves hinged on said uppermost section for covering said holes, one of the intermediate sections being formed with a valve seat and a chambered out portion thereabove and a flap valve hinged mounted and co-operating with said seat.

1,517,825. TRIPOD. EUGENE BRUNEAU, Washington, D. C. Filed June 21, 1923. Serial No. 646,914. 3 Claims. (Cl. 248-43.)



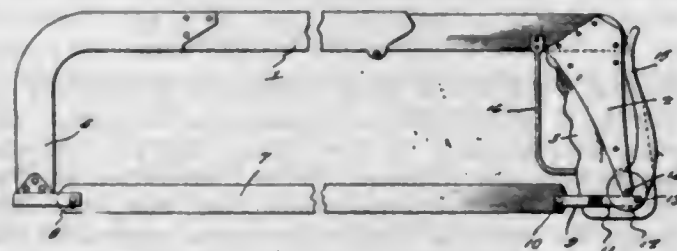
1. A tripod comprising a tube provided with legs, the tube having a small vent at the bottom, and a plunger slidable up and down in the tube and provided with packing therein and having an instrument support at the top.

1,517,826. ROOFING MATERIAL. HARRY A. CUMFER, Chicago, Ill., and OWEN D. MCFARLAND, Mishawaka, Ind., assignors, by direct and mesne assignments, to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed May 5, 1913. Serial No. 765,696. 4 Claims. (Cl. 91-67.9.)



1. A process for producing prepared roofing which consists in feeding a sheet of roofing having an adhesive coated surface, adjacent a pattern mechanism whereby grit is fed on to the sheet in a design pattern on to selected areas of the sheet and subsequently passing the sheet adjacent a second pattern mechanism whereby grit is deposited on other areas of the adhesive coating.

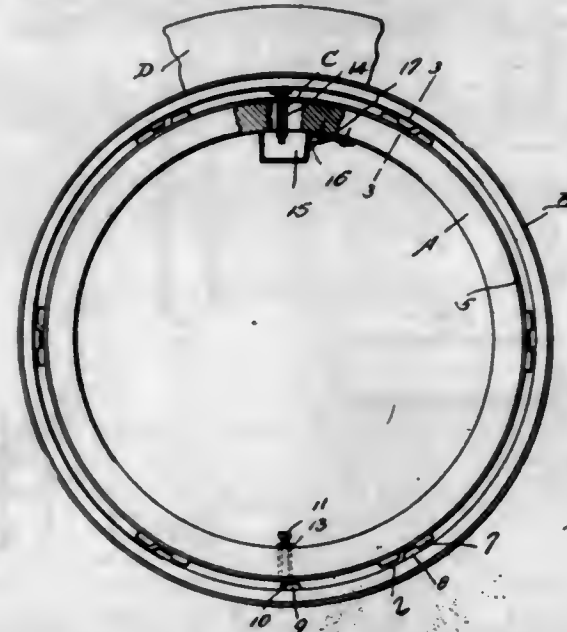
1,517,827. HACK-SAW FRAME. JOE DE GRADO, Houston, Tex. Filed May 23, 1924. Serial No. 715,392. 1 Claim. (Cl. 145-34.)



In combination, a saw frame, a saw blade secured at one end to one end of the frame, a plate depending from the other end of the frame, the lower end of the plate being bifurcated, handle portions arranged on opposite sides of the plate and secured thereto, an eccen-

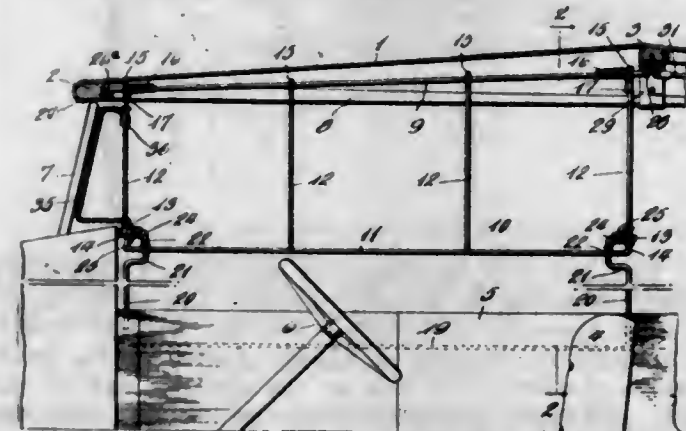
tric supported in the bifurcated end of the plate, a link connected at one end to the opposite end of the blade, the other end of said link being bifurcated for receiving the eccentric and being connected thereto, and a lever associated with said eccentric for actuating the same.

1,517,828. DEMOUNTABLE RIM FOR VEHICLE WHEELS. JAMES ARTHUR DICKENSON and HENRY FRANCIS O'HANLON, Edmonton, Alberta, Canada. Filed Sept. 17, 1923. Serial No. 663,150. 1 Claim. (Cl. 301-10.)



In combination, a felly band provided around one edge with a laterally disposed stop flange, a plurality of pairs of closely spaced lugs formed on the outer surface of said band, the opposed adjacent edges of each pair of lugs diverging inwardly and away from each other, to provide a substantially V-shaped space between each of said pairs, said divergent edges of the lugs being bevelled, a demountable channel shaped rim surrounding said band, said rim being provided on its inner surface with a plurality of circumferentially spaced V-shaped lugs fitting in the V-shaped spaces between said first named lugs, the opposite longitudinal edges of said second named lugs being bevelled for co-action with the bevelled edges of said other lugs, and cam co-acting means between said band and rim for shifting the latter circumferentially with respect to the band, whereby to bring certain bevelled edges of said lugs into frictional engagement with each other, to prevent lateral displacement of the rim from the band.

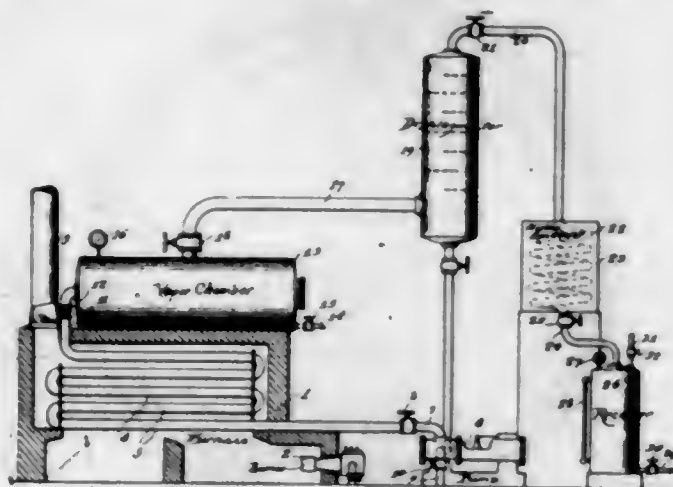
1,517,829. CURTAIN FOR AUTOMOBILES AND THE LIKE. ADELBERT EASTMAN, West Palm Beach, Fla. Filed Oct. 12, 1922. Serial No. 594,102. 8 Claims. (Cl. 292-141.)



1. A device for the purpose described, comprising a supporting member attachable beneath the top of an automobile, a carrier detachably supported from said sup-

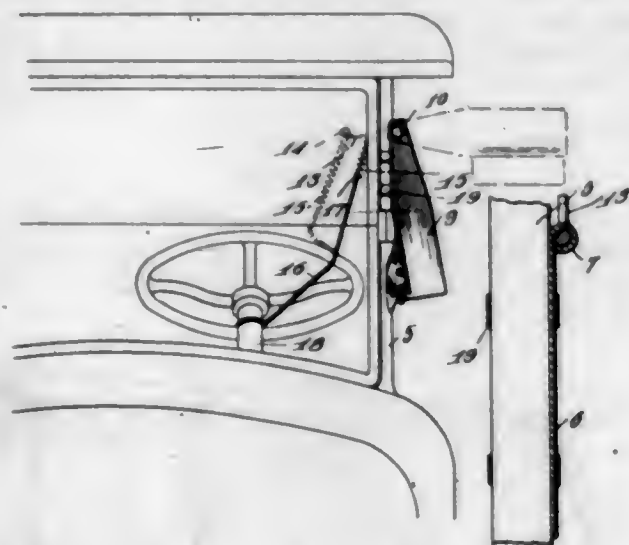
port, springs on said member acting on said carrier to normally hold the latter in position substantially parallel with and beneath the automobile top, and means depending from the lower end of said carrier to engage the outer wall of the top edge of the body to keep the carrier forcibly yet yieldably held in its vertical position.

1,517,830. CARBONACEOUS FUEL. GUSTAV EGLOFF and HARRY P. BENNER, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Nov. 1, 1920, Serial No. 420,882. Renewed May 5, 1924. 1 Claim. (Cl. 44-1.)



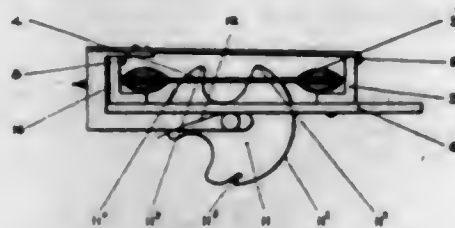
A carbonaceous fuel composed of pitchy carbon wet with a content of liquid oil-residuum surrounding and incorporated with a solid carbonized residue resulting from the cracking of heavy mineral oils by heat, and pressure, said fuel containing only such a small amount of heavy liquid residue as to promote combustion while permitting the fuel to maintain a solid consistency and capable of being pulverized to provide a granular comminuted fuel of a non-fluid nature.

1,517,831. SIGNAL. JOHN THOMAS ERWIN, Teague, Tex. Filed Mar. 7, 1924. Serial No. 697,593. 2 Claims. (Cl. 116-52.)



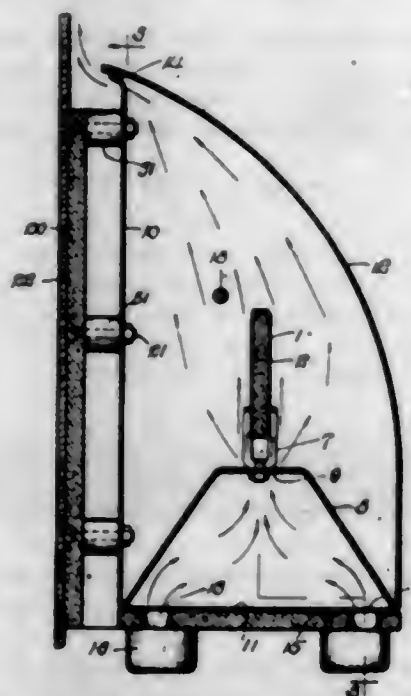
1. In a device of the character described, a supporting member including a metallic member having its upper end bent inwardly to provide a bearing, a shaft extending through the bearing, a paddle secured to the shaft to move therewith, an arm on the opposite end of the shaft, a flexible member secured to the arm, said flexible member adapted to lie in proximity to the steering wheel of a motor vehicle, and means carried by the paddle for attracting attention thereto.

1,517,832. DRAWING OF THE WARP THROUGH THE REED. SVEND SIGURD CHRISTIE FLEISCHER, Gottenborg, Sweden. Filed Mar. 19, 1923. Serial No. 626,216. 6 Claims. (Cl. 28-45.)



1. In a reeding machine, a reed support, a shaft journaled on said support, a drawing-through member slidably and non-rotatably mounted on said shaft, means for imparting oscillatory movement to the shaft and drawing-through member, said drawing-through member having a thread receiving eye therein, and means carried by said drawing-through member adapted to co-act with the strips of a reed to move the drawing-through member longitudinally along the shaft, step by step incident to the successive oscillations of said shaft.

1,517,833. WINDOWPANE HEATER. ROBERT GERTLER and BENJAMIN FINE, Chicago, Ill., assignors of one-third to Charles C. Hanson, Chicago, Ill. Filed Dec. 15, 1922. Serial No. 607,239. 12 Claims. (Cl. 20-40.5.)

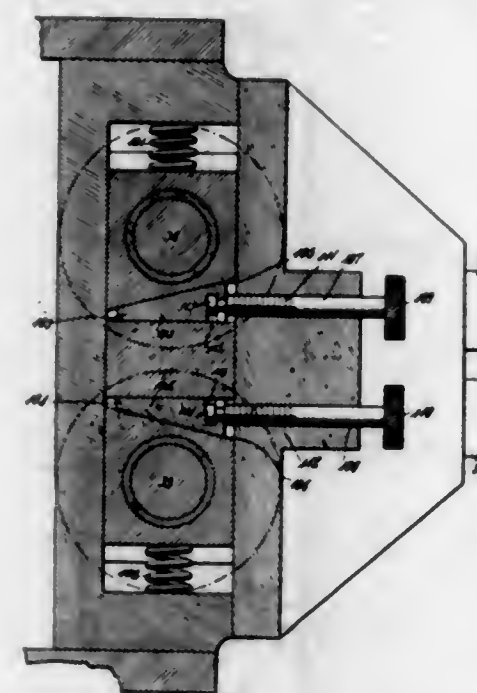


1. An air heating appliance comprising a casing having a substantially horizontal and relatively narrow and elevated outlet at one side, a heating unit disposed within the casing below the outlet, the casing having inlets disposed lower than the heating unit, and a heat insulating facing disposed at the said side of the casing and spaced from the casing proper.

1,517,834. MACHINE FOR FORMING HAIRPINS OR SIMILAR ARTICLES. SOLOMON H. GOLDBERG, Chicago, Ill., assignor to The Hump Hairpin Manufacturing Company, Chicago, Ill., a Corporation of West Virginia. Original application filed Feb. 23, 1918, Serial No. 218,628. Divided and this application filed Aug. 11, 1919, Serial No. 316,796. Renewed May 5, 1924. 4 Claims. (Cl. 140-87.)

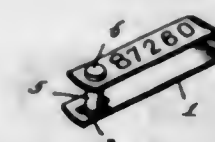
1. In a machine for forming hairpins, the combination with a pair of discs, mounted die members thereon, sets of pins adapted to be engaged by the die members, the die members of the respective discs adapted to co-

operate with the sets of pins passing therebetween during rotation to form the hairpins, adjusting means on the ends of the shafts comprising sliding wedge



blocks cooperating with the shafts and cooperating springs for adjusting the position of the discs relative to each other.

1,517,835. STOCK TAG. GUY G. GRAHAM, Kansas City, Mo., assignor to The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo., a Corporation of Missouri. Filed June 23, 1924. Serial No. 721,731. 2 Claims. (Cl. 40-3.)

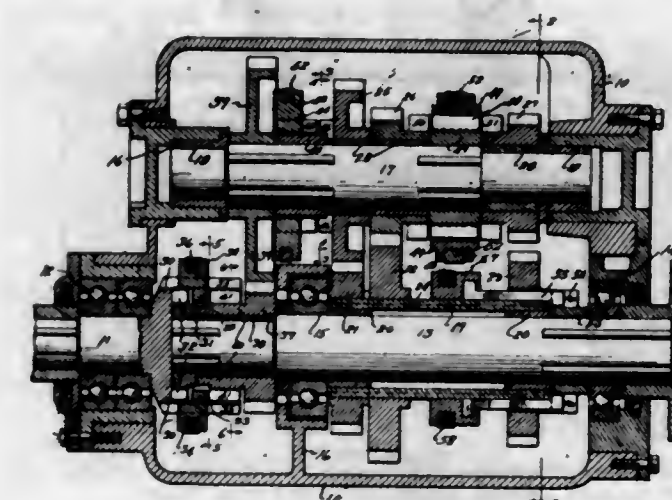


2. A cattle tag comprising a relatively U-shaped member formed with aligned perforations at its opposite ends, a longitudinally-extending bridge member narrowed at its ends, and formed integrally with the tag and bridging one of said perforations, a conical projection formed centrally and at the inner side of said bridge and aligned with said perforations, and a rivet extending through said perforations and having a head at one end engaging the outer side of one end of the tag, and having a cavity at its other end, the cavity of the rivet receiving the conical projection; and the said end of the rivet being expanded by said projection against the outer side of the adjacent end of the tag at opposite sides of the longitudinally-extending bridge.

1,517,836. CHANGE-SPEED GEARING. JESSE H. HAND, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,326. 12 Claims. (Cl. 74-59.)

1. In change-speed gearing, a drive shaft having a hollow hub, a main shaft having an end disposed within said hub, a countershaft, change-speed gears on the main shaft and change-speed gears on the countershaft, a clutch member rigid on the end of the main shaft interior the hub, a clutch member independently rotatable

on the main shaft and coupled with the countershaft to drive the same, a clutch device connected with the drive shaft operable to engage the clutch member rigid

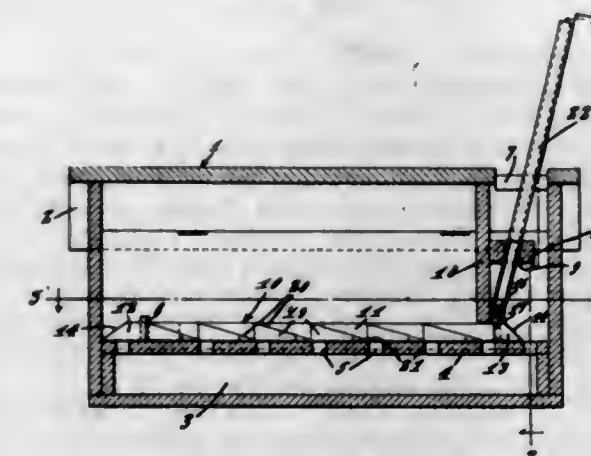


on the main shaft to drive the main shaft with the drive shaft and operable to engage the clutch member rotatable on the main shaft to drive the countershaft.

1,517,837. COMPOSITION FOR CLEANING JEWELRY. JOSEPH G. HEHMAN, Fort Thomas, Ky. Filed Sept. 5, 1923. Serial No. 661,104. 1 Claim. (Cl. 87-5.)

A composition of matter for cleaning jewelry consisting of a mixture of about 1 part of soda ash and about 8 parts of tri-sodium phosphate, said mixture being dissolved in water in the proportion of one tablespoonful to one quart of water.

1,517,838. ANIMAL AND POULTRY FEEDER. MOSES M. HOLMES, Tulsa, Okla. Filed Jan. 21, 1924. Serial No. 687,560. 5 Claims. (Cl. 119-53.)

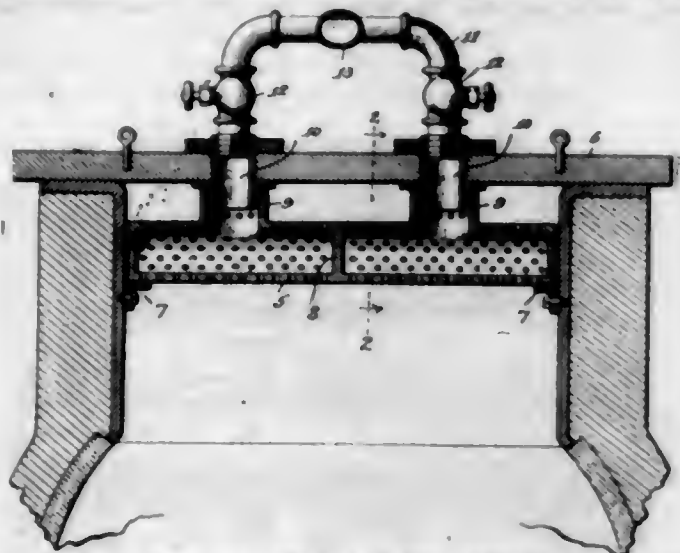


2. In a feeder of the class described a container having openings in its bottom, and a toothed slide movable over said openings, the teeth of said slide having their upper faces inclined downwardly toward one end.

1,517,839. PAPER-PULP-DIGESTER STRAINER. CARL JENTZ, Cap de la Madeleine, Quebec, Canada. Filed Apr. 30, 1923. Serial No. 635,819. 3 Claims. (Cl. 92-7.)

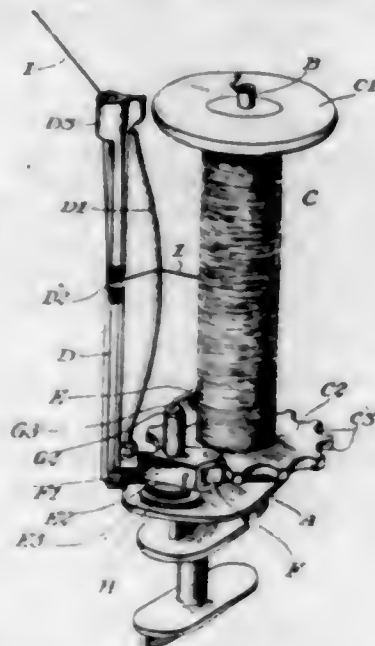
1. In combination with a paper-pulp-digester and its cover, a pair of outlet-pipes extending through the cover

and each provided with a valve, and a hollow perforated strainer divided by an impermeable partition to make



two strainer-chambers, each strainer-chamber being connected to one of the aforesaid discharge-tubes.

1,517,840. BRAIDER CARRIER. ERNEST KOELLA, Rockford, Tenn. Filed Aug. 1, 1922. Serial No. 578,880. Renewed Oct. 3, 1924. 9 Claims. (Cl. 96-15.)



1. In a mechanism of the kind described, the combination with a base of spool mechanism including a ratchet let-off, means for guiding cord from the spool, presser mechanism having one part located to bear against the mass of cord on the spool and having another part located to bear against the ratchet let-off, and elastic means tending to press the first part of said presser mechanism against the cord mass on the spool and tending to press the other part of said mechanism against the ratchet let-off, substantially as described.

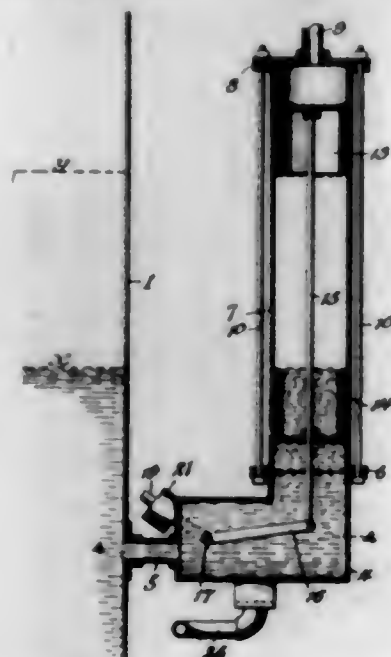
1,517,841. COLD-AIR FACE. RUDOLPH C. KUHN, Minneapolis, Minn. Filed June 16, 1922. Serial No. 568,772. 4 Claims. (Cl. 98-49.)



1. A cold air face including reticulated means, a frame therefor adapted to be seated across an opening in an air conduit, a closure to cover the frame and pivotally

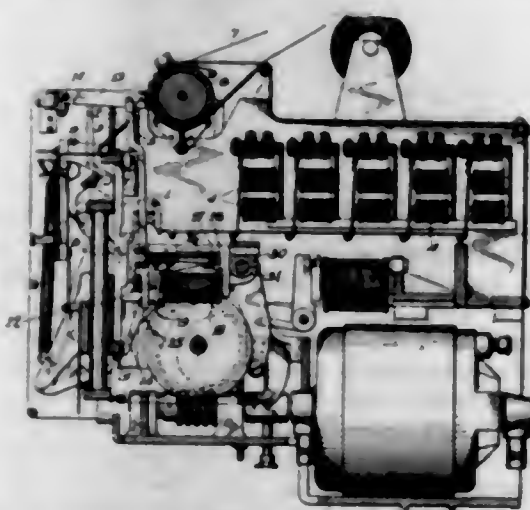
carried thereby and adapted to cover the frame when normally seated and to swing to open position upon reversed seating of the frame.

1,517,842. AUTOMATIC AIR CONTROLLER FOR PRESSURE TANKS. HERMAN H. KUNZE, Marissa, Ill. Filed July 29, 1921. Serial No. 488,493. 9 Claims. (Cl. 137-70.)



2. In a pneumatic water supply system, two spaced connected superposed cups, with the lower cup having the open end upward and the upper cup having the open end downward, said cups being spaced apart by a distance equal to that between the upper and lower water levels determined for the system, and an air valve controlled by the rise and fall of the cups to admit air to or cut it off from the system.

1,517,843. PRINTER-RIBBON-CONTROL MECHANISM. CLAIR DENNISON LAKE, Binghamton, N. Y., assignor to The Tabulating Machine Company, a Corporation of New Jersey. Filed Aug. 30, 1921. Serial No. 496,876. 7 Claims. (Cl. 197-157.)



5. In a tabulating machine or the like, which is adapted to print items derived from perforated records upon a record sheet, means for listing certain items in a different color upon the record sheet, and means for controlling the color of printing the listed records by the perforations in the record cards, said means being adapted to be selectively controlled by any desired record card column.

1,517,844. APPARATUS FOR MAKING VACCINE. WINFORD P. LARSON, Minneapolis, Minn. Filed Mar. 21, 1918. Serial No. 223,781. 5 Claims. (Cl. 67-7.)

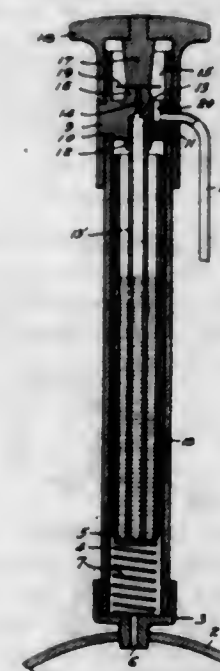
1. An apparatus of the class described comprising a receptacle for fluid containing bacteria having means

for connection with gas under pressure and soluble in said fluid, a gas expansion chamber having inlet and outlet ports and means for normally closing said inlet port, and means for conducting mingled gas and bacterial fluid to said inlet port for delivery to and release in said chamber when said closing means is opened.



4. An apparatus of the class described comprising a metallic tube having means for connection with a suitable gas under high pressure, a test tube containing fluid having bacteria suspended therein fitting within said metallic tube, a spring normally holding said test tube in its raised position, a passage being provided between the walls of said test tube and said metallic tube for admitting the gas pressure to said fluid, a head mounted on said metallic tube and having a gas releasing chamber provided with inlet and outlet ports and means for normally closing said inlet port, and a tube communicating at its upper end with said inlet port and having its lower end seated in said test tube within the fluid therein, the mingled gas and fluid flowing through said inlet port and being released in said chamber when said closing means is opened.

1,517,845. PROCESS OF MAKING VACCINE AND PRODUCTS THEREOF. WINFORD P. LARSON, Minneapolis, Minn. Filed Mar. 27, 1918. Serial No. 225,027. 8 Claims. (Cl. 167-7.)



1. A process of making vaccine or immunizing material, consisting in subjecting the bacteria held in suspension in a fluid having the quality of entering the bacterial

cell by osmosis, to gas under pressure in such fluid, and then drawing off the mixture and liberating the gas, thereby killing and disrupting the bacteria and releasing the contents of the cells.

7. The process of producing vaccine or immunizing material from pathogenic organisms which consists in subjecting such organisms to an inert gas under pressure for a period of time sufficient to cause said organisms to become saturated by the gas, and then suddenly releasing the pressure, whereby the sudden expansion of the gas within the organisms will disrupt the same.

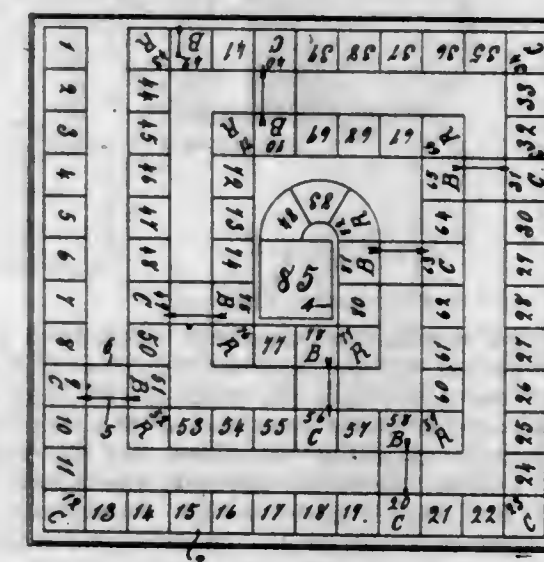
8. Immunizing material or vaccine, in a colloidal or fluid condition, consisting of bacteria disrupted by internal gas pressure.

1,517,846. SHIELD. JESSE E. LEWIS, Clarksville, Tex. Filed Mar. 21, 1924. Serial No. 700,905. 3 Claims. (Cl. 20-100.)



1. A shield for poles and the like formed of fire proof material and comprising separate sections, means detachably connecting the sections to provide a pole receiving sleeve, said sleeve having a horizontal row of spaced openings therein to define water outlets and baffles extending across said openings.

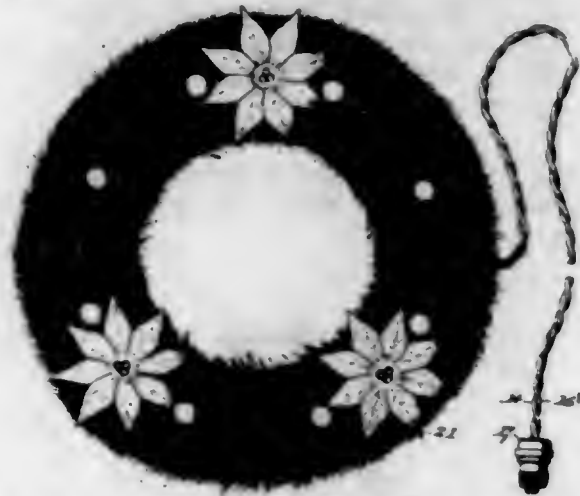
1,517,847. EDUCATIONAL GAME. FELIX F. LLERA and EDWARD GREGORY CAPO, Tucson, Ariz.; said Capo assignor of his entire right to Alfredo Yoldi, Tucson, Ariz. Filed Mar. 10, 1923. Serial No. 624,225. 3 Claims. (Cl. 46-63.)



2. In a game, a board provided with a plurality of squares arranged in a spiral path beginning at one corner of the board and ending in an enlarged central square which forms the objective, the convolutions of said path being spaced a distance equal to the size of a square, the squares of said paths being numbered consecutively from the starting point, a plurality of blank squares arranged between adjacent convolutions of the spiral path and cooperating therewith to provide a more

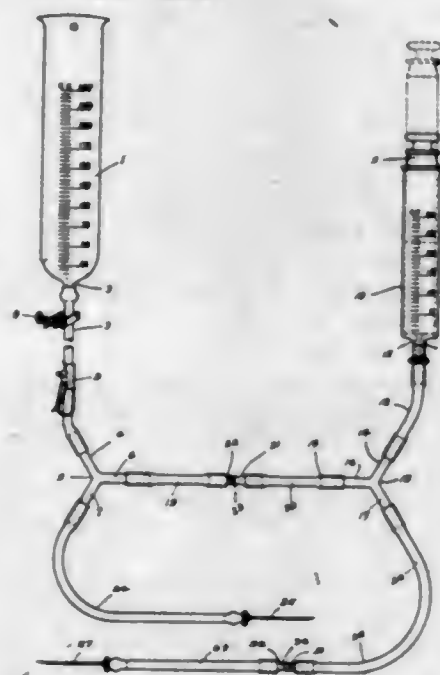
circuitous path to reach the objective, and indicia arranged in predetermined squares indicating obstacles to be overcome in the playing of the game, certain of said indicia indicating the use of the blank spaces for following a more circuitous path to the objective.

1,517,848. ILLUMINATED WREATH. WILLIS A. McCLELLAND, Denver, Colo. Filed Dec. 11, 1923. Serial No. 679,997. 2 Claims. (Cl. 240-10.)



2. A wreath comprising a flat annular backing of non-conducting material, lamp sockets mounted on the backing and electrically interconnected, and floral material secured upon the backing forming the wreath.

1,517,849. BLOOD-TRANSFUSION APPARATUS. DANIEL McLELLAN, Vancouver, British Columbia, Canada. Filed May 5, 1922. Serial No. 558,584. 12 Claims. (Cl. 128-214.)

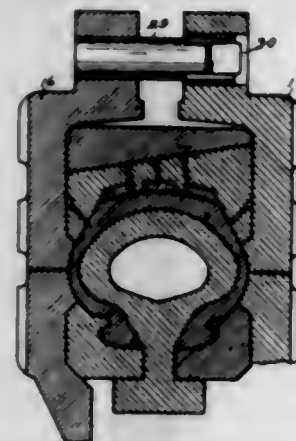


6. A blood transfusion apparatus comprising a pair of hollow needles one for insertion into the vein of the donor and the other into the vein of the recipient, a gravity cylinder tubularly connected to the donor needle and a syringe tubularly connected to the recipient needle, a tubular connection between the donor needle connection and the recipient needle connection, and a clamp member mounted on the donor needle connection capable of operation to compress the connection and restrict its bore.

1,517,850. MOLD. GEORGE L. MATHER, Milwaukee, Wis., assignor, by mesne assignments, to The Flisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1921. Serial No. 493,522. 4 Claims. (Cl. 18-42.)

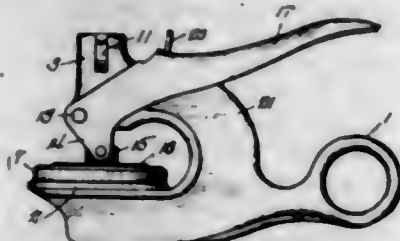
1. A mold comprising a pair of co-operating mold sections, a plurality of tread plates, projecting side wall

molding surfaces on said mold sections, and reciprocating means independent of said mold sections adapted to contract said plates, said last named means being positively engaged by said mold sections.



2. A mold comprising a pair of cooperating mold sections, independent bead rings, a plurality of tread plates each provided with a cam surface on its exterior face, and means independent of said mold sections adapted to be reciprocated along said cam surfaces to thereby contract said plates.

1,517,851. SEAL PRESS. GUSTAV A. J. MEYER, Chicago, Ill., assignor to Meyer & Wenthe, Chicago, Ill., a Copartnership consisting of Gustav A. Meyer and Herman H. Wenthe. Filed Oct. 8, 1923. Serial No. 667,166. 5 Claims. (Cl. 101-3.)



1. In a seal press, a frame having a lower arm and an upper arm formed with a narrow ribbed top part and a tubular part extending above the ribbed part, a spring pressed die-carrying shank in the tubular part, a forked lever for operating said die pivoted to the frame and formed with a notch at the bight of the fork, and a latch having a forked lower end straddling and pivoted to the said ribbed top part of the frame adjacent to said tubular part and having a substantially T-shaped head the shank of which head is received in the notch of the lever and the top of which engages the upper face of the lever to hold the latter depressed, said latch in inoperative position being disposed below the lever and with its top resting against said tubular part of the upper arm of the frame.

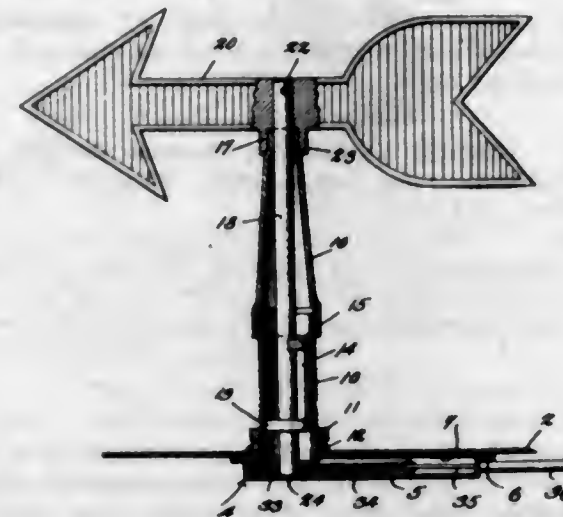
1,517,852. BRUSH OR BROOM. HARRY DRAPER NEFF, Cambridge, Mass., assignor to Re-Fillit Broom Company, Boston, Mass., a Corporation of Massachusetts. Filed May 26, 1922. Serial No. 563,853. 1 Claim. (Cl. 15-179.)



In an improved broom or brush unit, the combination of a metallic tube, a plurality of arms extending outwardly from each end thereof, a bundle of fibres, or other suitable brush making material, folded about the

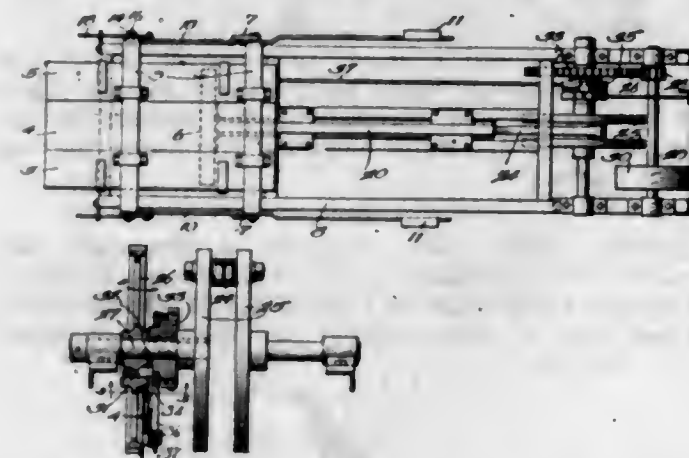
central portion of said tube and at a point intermediate the ends of said bundle, said arms folded over said bundle to firmly clasp the fibres, or other material, in position.

1,517,853. VEHICLE SIGNAL. GEORGE D. NELSON, Terre Haute, Ind. Filed Jan. 18, 1924. Serial No. 687,066. 2 Claims. (Cl. 116-46.)



1. In a device of the class described, a casing comprising a body and a lid adapted to be located beneath a vehicle fender, means for securing the lid to the body, a tubular standard carried by the lid and adapted to extend upwardly through a vehicle fender, a nut threaded on the standard and adapted to cooperate with a fender to hold the casing in place beneath the fender, a bushing secured in the standard, a bearing in the standard and cooperating with the upper end of the bushing, a shaft journaled in the bearing and in the bottom of the body of the casing, a bearing about the shaft and located in the standard and cooperating with the lower end of the bushing, an extension detachably mounted on the standard and provided at its upper end with a bearing wherein the shaft is journaled, an indicator on the shaft and receiving the last-specified bearing, and means extended into the casing and accessible from a remote point, for operating the shaft.

1,517,854. CUSHION-STUFFING MACHINE. JOHN H. NELSON, Chicago, Ill., assignor to Pullman Davenport & Upholstered Furniture Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1922. Serial No. 553,741. 7 Claims. (Cl. 226-46.)

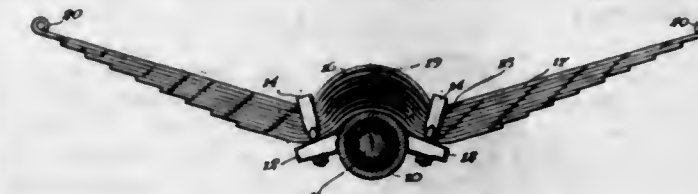


1. In a stuffing machine, an adjustable cushion receptacle, a reciprocable plunger movable therein, a lever pivoted at one end and having a slidable connection with the plunger for moving it reversely, a connecting rod and rotatable means for operating the lever, a continuously rotating driving member, a spring pressed pin carried by the driving member, a rotatable means having a recess for receiving the pin and moving it with the driving member, and controlling means including pedal

and a movable member operated thereby to cover or uncover the recess at each rotation of the pin whereby it will be disengaged at each rotation to prevent more than a complete rotation of the lever-operating means independent of the position of the pedal.

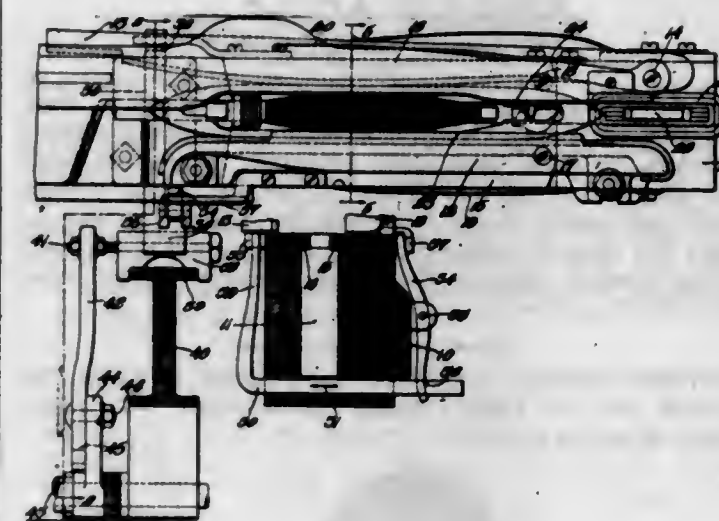
5. In a cushion stuffing machine, a hinged cover with projections at the outer free sides thereof, a foot lever, a pair of arms connected to the lever having hooks at the upper ends for automatic engagement with the cover projections when the cover is lowered, and pivoted arms connected for joint operation having projections for forcing the hooks out of engagement with the cover projections.

1,517,855. VEHICLE SPRING. PERRY B. NEWKIRK, Seattle, Wash. Filed Nov. 24, 1922. Serial No. 603,109. 5 Claims. (Cl. 267-47.)



1. A vehicle spring including a series of leaves arranged one above the other and having their central portions spaced one from the other under unloaded conditions and their ends contacting throughout on each side of said central portions.

1,517,856. LOOM. JONAS NORTON, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Nov. 16, 1923. Serial No. 675,124. 8 Claims. (Cl. 139-225.)

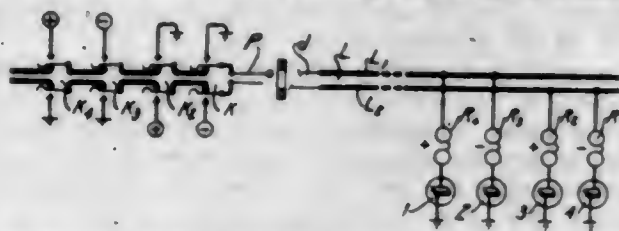


1. A weft replenishing loom of the bobbin changing type having, in combination, weft replenishing mechanism, a picker, a picker stick which extends slidably through the picker, a lay provided with a slot for the picker stick, and means controlled by the weft replenishing mechanism for widening the slot when such mechanism is operated to permit egress of the exhausted bobbin.

1,517,857. SELECTIVE SYSTEM. PHILANDER NORTON and DAVID T. MAY, Port Washington, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1923. Serial No. 683,297. 13 Claims. (Cl. 179-86.)

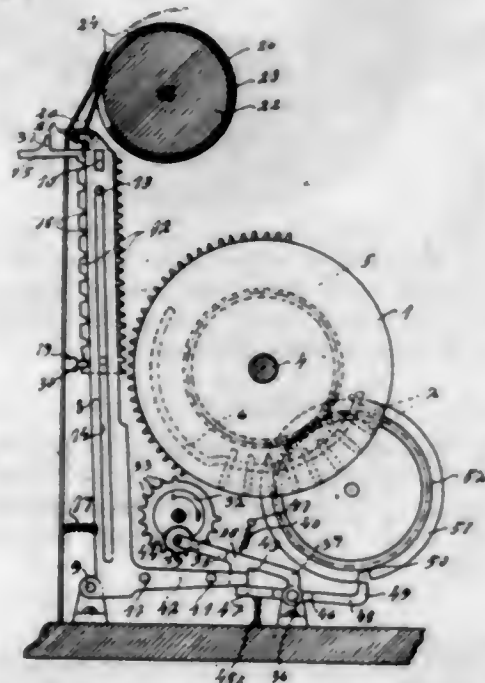
11. In a selective system, a line, a device to be selectively operated connected thereto, a plurality of sources of current of different voltage, switching means for applying said different voltages to said line, and a

discharge tube in series with said device, so constructed and arranged that it will maintain the energizing circuit of said device open during application to the line



of certain of said voltages below a certain value, and will close said circuit upon the connection of said line of a source of voltage above said certain value.

- 1,517,858. CALCULATING MACHINE. VALENTIN JAKOB OEHNER, Rasunda, near Stockholm, Sweden. Filed Jan. 22, 1921. Serial No. 439,268. 6 Claims. (235-79.)



6. A computing machine as claimed in claim 1 characterized by the provision of a flexible indicating element attached to each rack and actuated thereby to indicate the extent of movement of the rack, and a relatively stationary roller receiving the indicating element when the rack is retracted, and means to guide the indicating element whereby the latter is caused to coil upon the receiving means.

- 1,517,859. BALL. DENNIS C. O'SHEA, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,210. 4 Claims. (Cl. 273-62.)

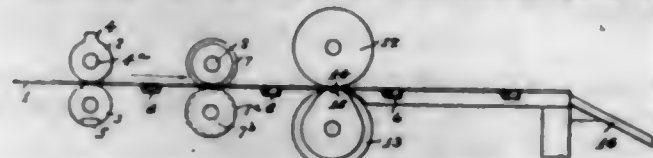


4. A ball comprising filling material enclosed by a covering formed from a tube of knit material with the ends of said tube drawn together by draw strings passing through the stitch-loops at the ends of the tube.

- 1,517,860. ROOFING PRODUCT AND PROCESS FOR MAKING SAME. CHESTER E. RAHR and ROBERT T. POLLOCK, Boston, Mass., assignors to The Flintkote Company, a Corporation of Massachusetts. Filed Dec. 15, 1919. Serial No. 344,894. 12 Claims. (Cl. 154-2.)

6. A process of making waterproof covering units consisting in feeding a roofing length saturated with a waterproofing binder between embossing members, pro-

ducing embossments on predetermined areas of the roofing length, tapering from a high portion down to the thickness of the material, by raising such areas



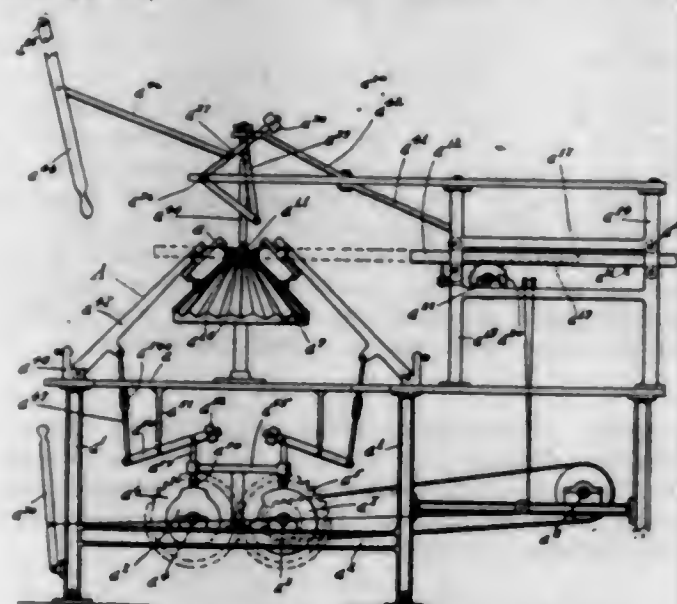
above the surface of the roofing sheet, by impression of a die member from beneath the sheet cutting said sheet into convenient units.

- 1,517,861. INSOLE. FREDERICK HOWARD ROSHER, London, England. Filed Aug. 1, 1924. Serial No. 729,540. 2 Claims. (Cl. 174-177.)



1. An insole for boots and shoes comprising a body, perforations in said body, radio-active material in said perforations, a thin inner covering for said body and an outer covering for said body.

- 1,517,862. METHOD AND APPARATUS FOR FORMING PAPER ARTICLES. LABRON B. ROSS, Hamilton, Ohio. Filed Oct. 24, 1921. Serial No. 509,853. 20 Claims. (Cl. 93-1.)



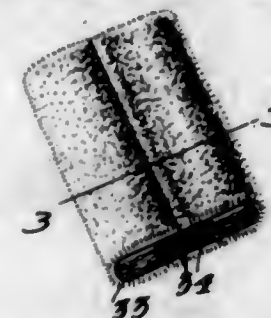
1. A method for creasing waterproofed paper comprising successively moulding portions of the blank over a fixed die and of retaining the moulded portion upon the fixed die while moulding succeeding portions of the blank.

- 1,517,863. CORE PAD. CLEMENT A. ROSEBACH, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 31, 1922. Serial No. 578,796. 3 Claims. (Cl. 18-45.)



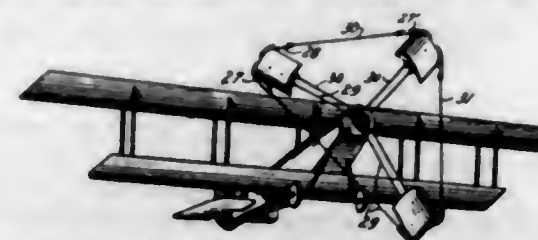
1. A core-pad having a flexible core and an outer covering of fabric.

- 1,517,864. WIPER FOR PHONOGRAPH-RECORD-CLEANING ATTACHMENTS. JOHN RUNK, Stillwater, Minn. Filed Apr. 7, 1920. Serial No. 372,026. 5 Claims. (Cl. 15-210.)



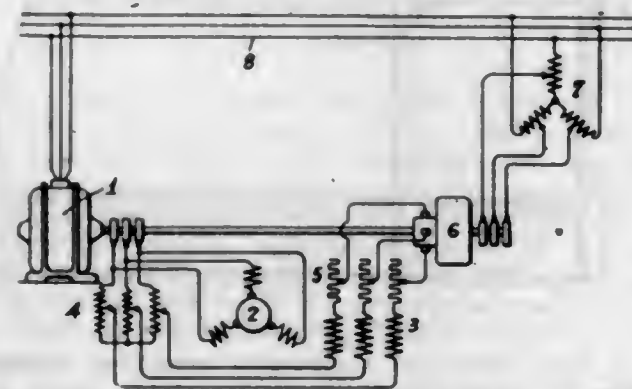
1. A record wiper comprising a plurality of stiffeners, a padding disposed between the stiffeners and having opposite sides extending loosely beyond adjacent edges of said stiffeners and a covering enfolding the stiffeners and loose padding sides.

- 1,517,865. METHOD AND APPARATUS FOR AERIAL PROPULSION. MARIO SCHIESARI, New York, N. Y. Replied for abandoned application Serial No. 484,827, filed July 14, 1921. This application filed June 8, 1923. Serial No. 644,503. 3 Claims. (Cl. 244-25.)



1. The combination in a device for aerial propulsion, of a series of plane elements, means for revolving the same around a common shaft, carriers for said planes extensibly connected to the shaft, extensible connecting links between adjacent planes attached to the extensible carriers, extensions from the planes through which the extensible carriers and connecting links pass, so arranged that the tension on said carriers caused by centrifugal force, will serve as a means in co-operation with the links to keep the planes at the angle of incidence to their plane of travel that they will naturally assume due to their construction.

- 1,517,866. PROCESS FOR REGULATING THE SPEED OF AN ELECTRIC MOTOR CASCADE. WALTER SEIZ, Baden, Switzerland, assignor to General Electric Company, a Corporation of New York. Filed June 27, 1921. Serial No. 480,855. 1 Claim. (Cl. 172-274.)



The method of regulating the speed of a cascade composed of an induction motor and a shunt commutator machine, the latter having an exciting circuit supplied from a frequency converter, wherein, in the neighborhood of synchronism, there is inserted in the exciting circuit a constant resistance of such an amount that it assures the stable running of the motor aggregate, and wherein the voltage of the frequency transformer supplying excitation to the commutator machine is kept always equal or approximately equal to the ohmic volt-

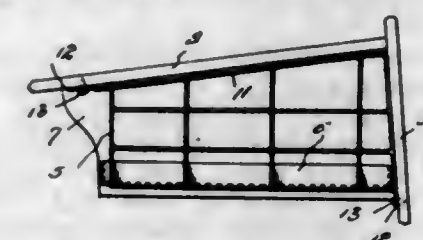
age drop in the exciting circuit, characterized by the feature that at speeds of rotation which are more distant from synchronism the said resistance is varied in such a manner that an approximately constant ohmic voltage drop will occur in the exciting circuit throughout this part of the range of regulation and that beyond the particular speeds of rotation at which the additional resistance becomes nil, the voltage of the frequency transformer is again increased in accordance with the ohmic voltage drop that increases with the exciting current.

- 1,517,867. BRIDGING EXPANSIBLE FILLER FORM. ROY W. SEXTON, Wytheville, Va. Filed Oct. 28, 1916. Serial No. 128,305. Renewed Mar. 26, 1921. Serial No. 455,961. 13 Claims. (Cl. 2-278.)



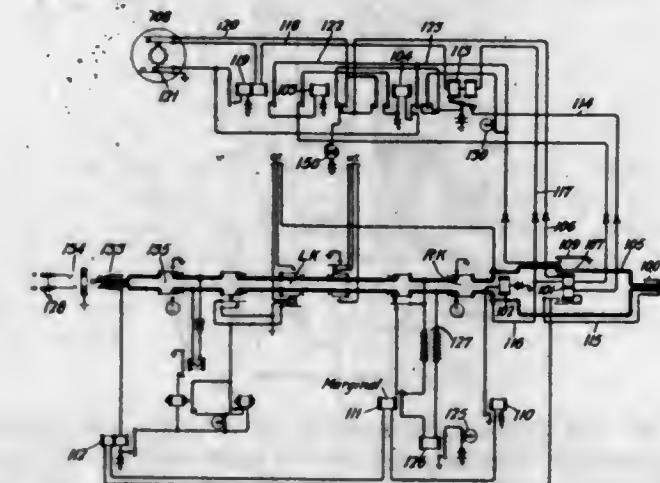
1. A filler form for embroidery, consisting of an expansible fabric and an incorporated removable binding agent by which the fabric is stiffened and held under compression, and a substantially non-removable binder incorporated on and to a limited depth below its embroidery thread engaging surface to form an expansion equalizing bridge from thread to thread of the embroidery.

- 1,517,868. SCHOOL-DESK ATTACHMENT. IDA A. SHREVEES, Denison, Tex. Filed Aug. 15, 1923. Serial No. 657,559. 1 Claim. (Cl. 45-90.)



A device of the character described comprising a substantially rectangular frame constructed of wire, open at its forward end, the upper portion of said frame being substantially of an inverted V-shaped construction, a reinforcing wire extending longitudinally along the top of the frame, and being bent to extend downwardly against the back of the frame, the ends of said wire having means provided thereon for attaching the same to a supporting structure, and a tray slidably supported in the bottom of said frame.

- 1,517,869. SEMIAUTOMATIC TELEPHONE-EXCHANGE SYSTEM. RAY L. STOKELY, Floral Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,723. 32 Claims. (Cl. 170-27.)



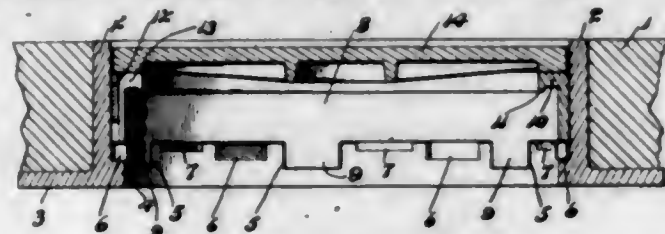
1. In a telephone system, an operator's position, a dial thereat, a trunk extending from said position and terminating in an automatic switch, other automatic

switches, telephone lines terminating therein, a connecting circuit adapted to be connected to said trunk and having its answering and calling ends normally disconnected from each other, means for connecting said dial to the calling end of said connecting circuit, a stepping circuit for said switches adapted to be controlled by said dial, means automatically actuated at a certain stage in building up a connection for reducing the strength of the current in said stepping circuit, and means actuated thereby for completing the continuity of the connecting circuit, and extending the same to said trunk.

1,517,870. PRODUCTION OF SYNTHETIC AMMONIA. STEPHEN L. TINGLEY, New York, N. Y. Filed Mar. 4, 1922. Serial No. 541,223. 7 Claims. (Cl. 23-21.)

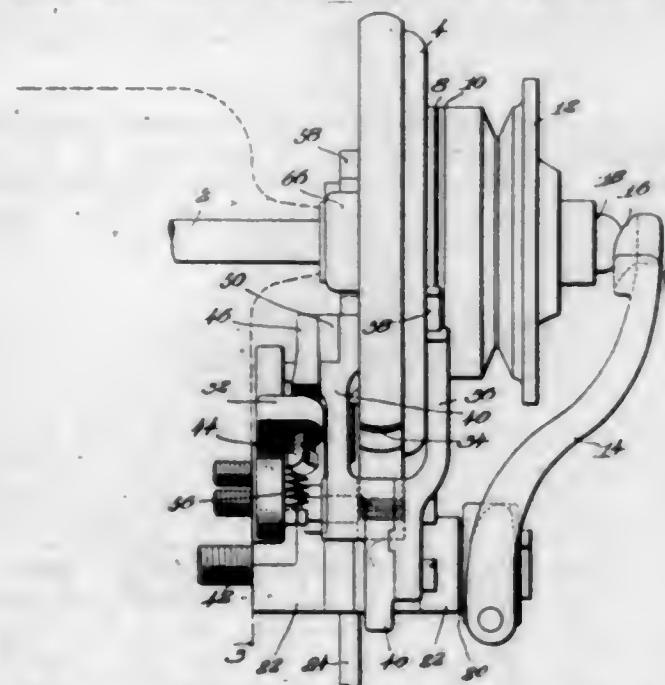
1. A method of producing ammonia which comprises decomposing superheated steam mixed with nitrogen and in presence of carbide, and thereby oxidizing the carbide and bringing about a combination between the nitrogen and hydrogen; substantially as described.

1,517,871. MANHOLE CONSTRUCTION. ALEXANDER M. THOMPSON, Muskegon, Mich. Filed Oct. 13, 1921. Serial No. 507,532. 6 Claims. (Cl. 94-34.)



1. A manhole construction, comprising a curb member having a vertical wall and a rib projecting inwardly from the wall, an open split supporting ring carried on the rib at the upper side thereof and bearing against the inner sides of the wall, and a cover bearing on the upper edge of the supporting ring, said ring being readily detachable from the curb member, substantially as described.

1,517,872. STOP MECHANISM. LAURENCE E. TOPHAM, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 12, 1917. Serial No. 180,115. 19 Claims. (Cl. 192-147.)



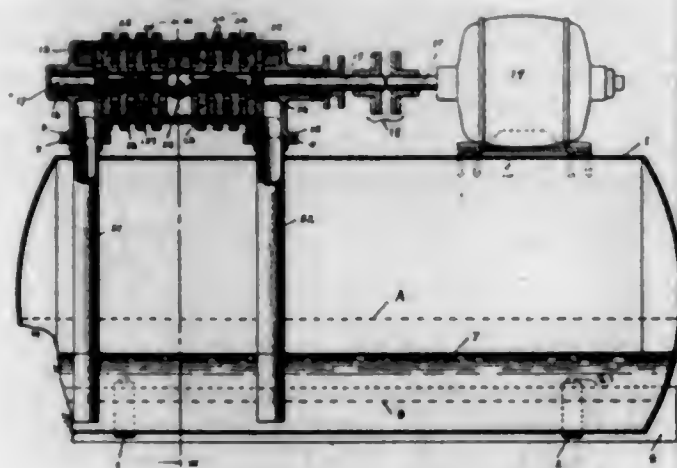
1. A stop mechanism having, in combination, means for gradually retarding the driven parts until they come substantially to stopping position, and mechanism for regulating the retarding means by the speed of the driven parts to vary its retarding effect in accordance with the speed at the time the retarding means is rendered active.

1,517,873. MEANS FOR DIVERTING A DIRIGIBLE BODY FROM A PREDETERMINED STRAIGHT COURSE TO A PREDETERMINED STRAIGHT COURSE PARALLEL TO ITS ORIGINAL COURSE. ALBERT D. TRENOR, New York, N. Y., assignor to John Hays Hammond, Jr., Gloucester, Mass. Filed Apr. 15, 1920. Serial No. 374,206. Renewed Apr. 27, 1923. 21 Claims. (Cl. 114-21.)



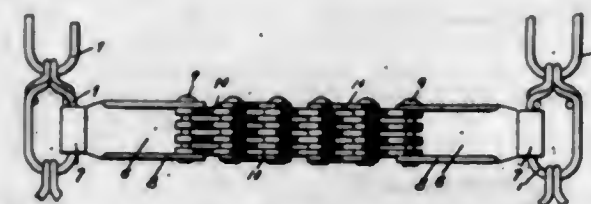
1. The combination with a dirigible body, of means carried thereby for propelling the same, stabilizing means carried by said body and automatically operative to stabilize said body about a predetermined axis, means responsive to radiant energy for controlling the potentiality of said stabilizing means to stabilize said body, and means controlled by said propelling means for automatically controlling the potentiality of said stabilizing means.

1,517,874. ELEVATOR DRIVE. BURTON C. VAN EMON, San Francisco, Calif., assignor to James M. Koford, trustee, Oakland, Calif. Filed May 31, 1922. Serial No. 564,757. 4 Claims. (Cl. 138-8.)



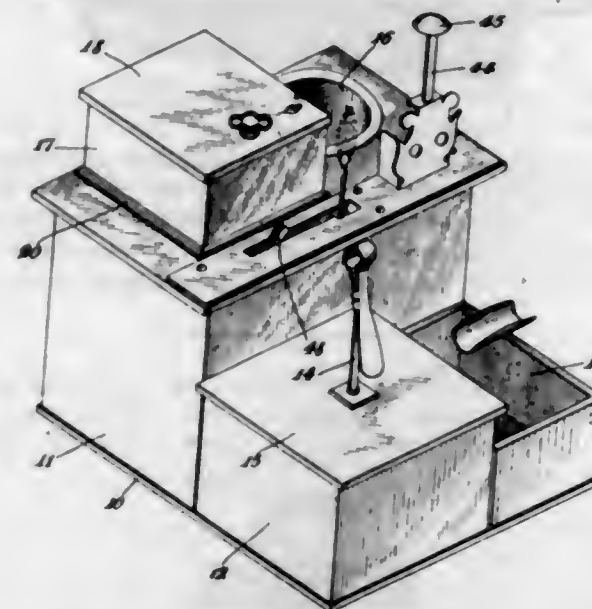
1. A liquid drive for electrically controlled elevators and the like, comprising a tank containing liquid normally maintained under pressure, a pipe for conducting said liquid from the tank to said elevator and vice versa, a reversible pump interposed in said pipe and adapted to force liquid therethrough in either direction to reciprocate said elevator, electrically operated means for actuating said pump, a valve in said pipe adapted, when closed, to lock the liquid against displacement, electrically operated means for the valve, and a single electric control means for simultaneously controlling the pump-actuating means and the valve operating means.

1,517,875. NONSKID CHAIN. ARTHUR VAN RONZELLEN, St. Louis, Mo., assignor, by direct and mesne assignments, to Universal Skid-Less Chain Company, Niles, Mich., a Corporation of Delaware. Filed Jan. 9, 1922. Serial No. 528,045. 1 Claim. (Cl. 162-14.)



In an anti-skid device, having a cross chain comprising a plurality of thin, flat links all of one standard uniform dimension and each being provided with two outer, terminal, sharp road engaging points with a recess therebetween and pivots passing transversely through adjacent ends of contiguous links and directly inwardly of the road engaging points, thus providing a flexible band of substantial width having numerous thin, road engaging projections the combination of a plate at each end of said flexible band, of substantially the same width as said band, and provided with a relatively wide side chain link engaging member, and further provided with a flange at each edge thereof, the outer edges of said flanges being in continuation of said points and merging into said plate adjacent to said link engaging members.

1,517,876. MATCH SAFE. HERMAN VON BIELEFELD, Woodhaven, N. Y. Filed June 12, 1922. Serial No. 567,567. 1 Claim. (Cl. 206-21.)

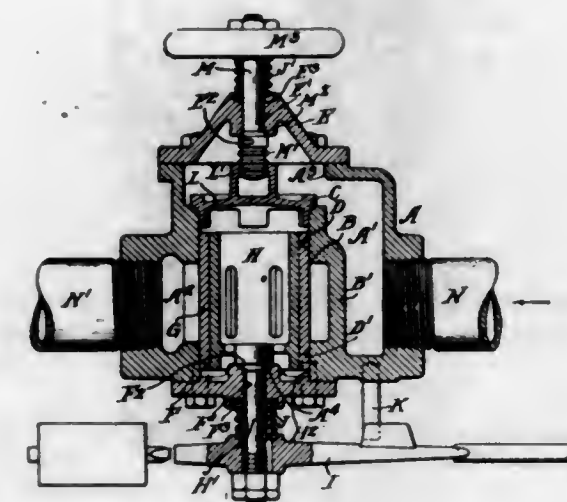


In a device of the class described, a delivery hopper, a delivery arm associated therewith, a match straightening and positioning means associated with the hopper to properly position the match for the reception of the delivery arm, means associated with the arm and hopper for frictionally engaging the head of the match during its delivery movement to cause the same to ignite upon delivery and means for holding the match in vertical position, said means preventing the recedence of the match.

1,517,877. VALVE. AXEL B. WALLEM, Cynwyd, Pa., assignor to H. S. B. W. Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 27, 1922. Serial No. 571,243. 2 Claims. (Cl. 277-66.)

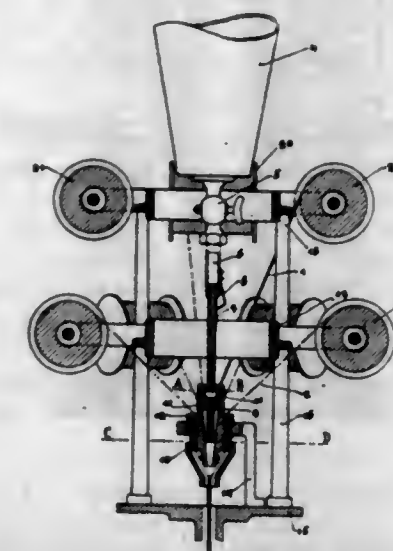
2. A valve casing having a partition separating it into inlet and outlet chambers, said partition being formed to provide seats for the ends of a cylindrical valve seat and an annular chamber surrounding the valve seat and

forming a part of one of the valve chambers, said partition having also an opening through which the chambers of the casing communicate and a seat for a closure valve surrounding said opening, in combination with a tubular cylindrical valve seat seated in said partition



and having symmetrically disposed ports opening into the annular passage aforesaid, a tubular cylindrical valve rotatively fitting in the tubular valve seat and having symmetrically disposed ports and a closure valve operable with the closure valve seat aforesaid.

1,517,878. PROCESS AND MACHINE FOR MAKING FUSES. FRANZ WASMATR, W. Neustadt, Austria. Filed Jan. 10, 1923. Serial No. 613,071. 4 Claims. (Cl. 117-2.)

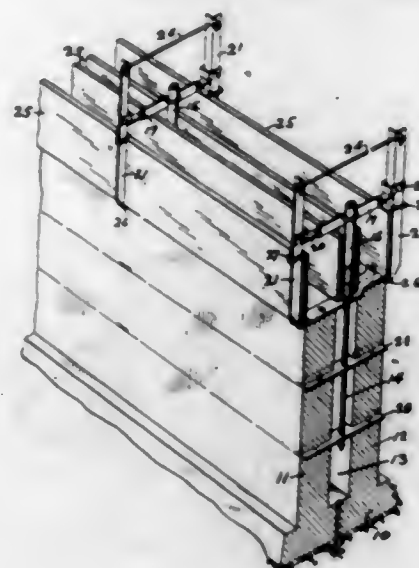


1. The process of manufacturing a fuse, which consists in forming a vertical tube by helically coiling a strip of paper, causing a vertical stream of powder to sink into this tube concurrently with the coiling of the paper, and spinning filament round the tube concurrently with the coiling and directly below the part last coiled.

1,517,879. FORM HOLDER FOR CONCRETE WALLS. ERNEST WATSON, Wauwatosa, Wis. Filed Apr. 17, 1922. Serial No. 553,997. 17 Claims. (Cl. 25-131.)

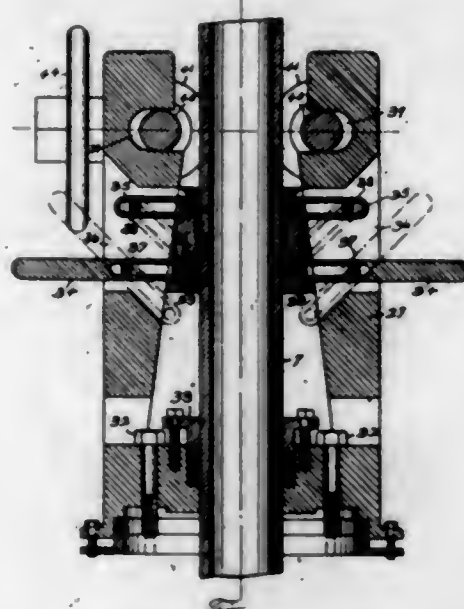
8. A device for supporting the form sections used in erecting hollow concrete walls, the said device comprising a standard or post for arrangement in the hollow

of the wall and serving to space the inner form sections, the said standard or post having a plurality of diameters, whereby when the post is given a movement



of partial rotation the pressure of the longer diameter upon the inner form sections is relaxed, to permit the removal of such form sections.

1,517,880. DRILLING APPARATUS. LOUIS H. WEL-
LENSIEK, Houston, Tex. Filed Oct. 19, 1920. Serial
No. 417,975. 9 Claims. (Cl. 255-19.)

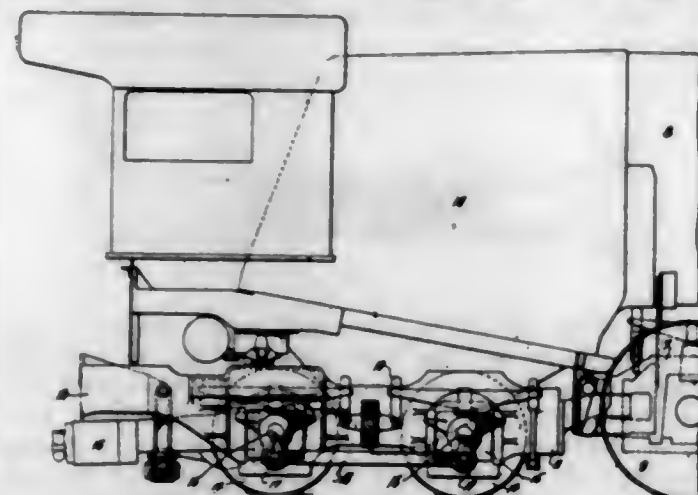


1. In well drilling apparatus, an outer casing adapted to be let down in a well bore, a drill stem within said casing, a substantially cylindrical member mounted upon the outer casing, pipe gripping means carried by said cylindrical member and adapted to engage the drill stem in such manner as to prevent a longitudinal movement as between said drill stem and outer casing and pipe engaging means carried by said cylindrical member whereby a rotary movement imparted to the outer casing may be transmitted to the drill stem.

1,517,881. LOCOMOTIVE. WILLIAM E. WOODARD,
Forest Hills, N. Y. Filed Apr. 20, 1923. Serial No.
633,346. 3 Claims. (Cl. 105-174.)

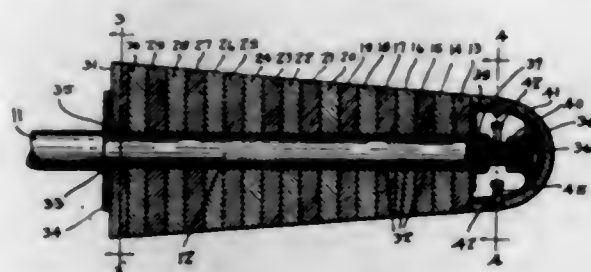
1. The combination in a locomotive of a main frame supporting the major weight of the locomotive super-structure, a supplemental frame articulated to and ex-

tending rearwardly of the main frame beneath the fire box and supporting the weight thereof and transmitting pulling stresses, a pair of spaced axles in said supple-



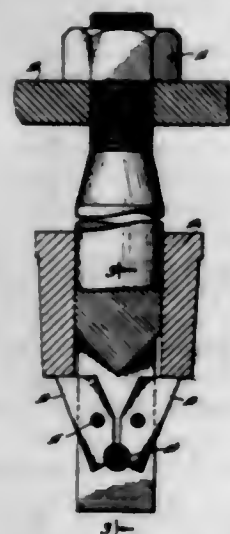
mental frame having wheels, cranks on the axes, side-rods connecting the cranks, and a booster motor driving the rear axle of the supplemental frame.

1,517,882. POLISHING BRUSH. WILLIAM E. WOODARD,
Los Angeles, Calif. Filed Mar. 7, 1923. Serial No.
623,448. 4 Claims. (Cl. 15-230.)



2. In a polishing brush, the combination of a stem, a rounded end member secured to one end of the stem, a cap covering said end member, means securing the cap to the end member, and means on the stem flush with the periphery of the cap forming a polishing surface.

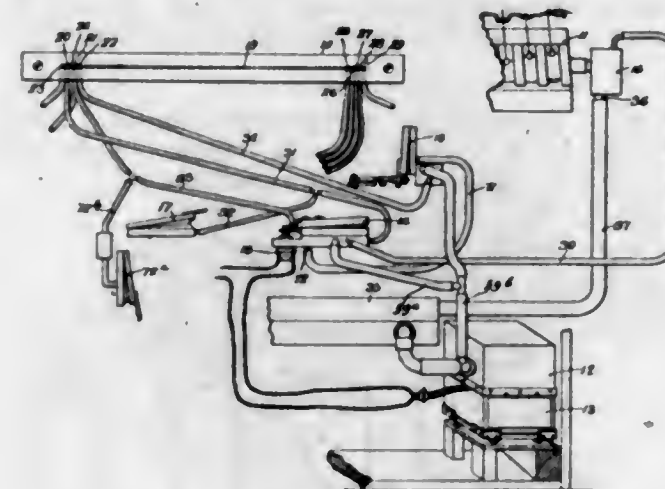
1,517,883. VALVE-SEAT-REMOVING MECHANISM.
JACOB B. ALLEMAN, Beaumont, Tex. Filed Sept. 23,
1921. Serial No. 502,751. 1 Claim. (Cl. 29-88.2.)



Apparatus for removing valve seats comprising a member in the form of a rod having its lower end bifurcated to form a pair of prongs, a pair of oppositely disposed shoes mounted between said prongs and having recesses in their lower portions, pivot pins upon which the shoes are mounted, and a pin mounted between said prongs adapted to engage the recesses of said shoes when the

latter are in operative position to limit their outward movement and to relieve the pivot pins supporting the shoes from strain during the forcible removal of the valve-seat.

1,517,884. AUTOMATIC MUSICAL INSTRUMENT.
HARRY J. ANDERSON, Chicago, Ill., assignor to Motor
Player Corporation, Chicago, Ill., a Corporation of
Illinois. Filed Jan. 22, 1923. Serial No. 614,241. 11
Claims. (Cl. 84-123.)



1. An automatic musical instrument comprising a tracker having two openings, a pneumatic device, and means whereby said pneumatic device will be operated when both of said tracker openings are uncovered, but will not be operated when either one alone of said tracker openings is uncovered.

1,517,885. STERN CONSTRUCTION OF RIGID AIR-
SHIPS. KARL ARNSTEIN, Friedrichshafen, Bodensee,
Germany, assignor to Luftschiffbau Zeppelin Gesell-
schaft mit beschränkter Haftung, Friedrichshafen,
Bodensee, Germany. Filed Sept. 4, 1924. Serial No.
785,942. 3 Claims. (Cl. 244-5.)

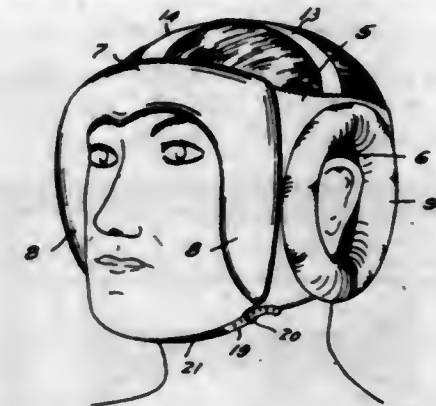


1. An airship of the rigid type, comprising a hull made up of longitudinal members and ring members, horizontal and vertical fins situated in the ship's stern, the ribs of said fins that are situated in the plane of a ring being connected to each other by reinforcing girders situated within said ring.

1,517,886. HEAD GUARD. ALONZO J. AUSTIN, Seattle,
Wash., assignor of one-third to Daniel I. Salt and one-
third to Freeman F. Heater, both of Seattle, Wash.
Filed Apr. 26, 1923. Serial No. 634,730. 3 Claims.
(Cl. 2-9.)

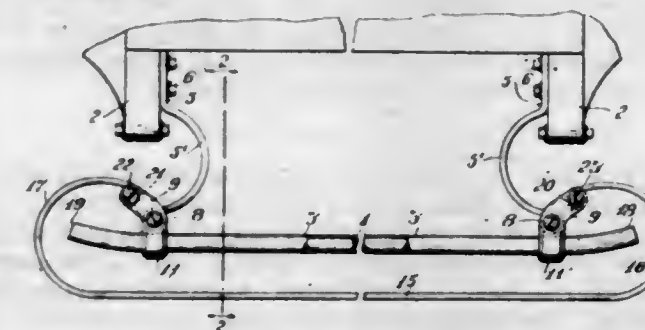
1. A head guard comprising a body formed to expose the ears and cover the forehead and portions of the head and face adjacent to the ears of the wearer, yielding, padded protecting members carried on the outer face of the body adjacent to the ears and formed to provide encircling protuberances thereabouts, another yielding, padded protecting member carried on the outer face

of the body adjacent to the aforementioned members and arranged to extend across the forehead and down the



sides of the head of the wearer, and means secured to said body for supporting the guard on the head of the wearer.

1,517,887. BUMPER. IRWIN BERRY, Wilmette, Ill.
Filed June 4, 1924. Serial No. 717,738. 11 Claims.
(Cl. 293-55.)

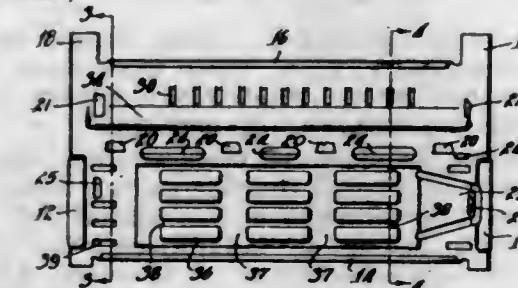


1. An automobile bumper embodying therein a bar, a member spaced forwardly of said bar and having rounded end portions of substantially large radii which pass about but are spaced from the end portions of said bar, the terminus of each rounded end portion of said member being operatively connected to said bar, and means supporting said bar from an automobile.

1,517,888. PROCESS OF TREATING FABRICS FOR
REMOVING SIZING OR GUM THEREFROM. MAU-
RICE ERNEST BOUVIER, Lyon, France, assignor to Societe
pour la Fabrication de la Sole Rhodiaseta, Paris,
France, a Corporation of France. Filed July 12, 1923.
Serial No. 651,177. 6 Claims. (Cl. 8-2.)

5. A process of treating fabrics, which consists in subjecting the fabric to a soap bath containing .5 to 2% of neutral soap and from .5 to 10% of potassium chloride, and raising the temperature to 100° C.

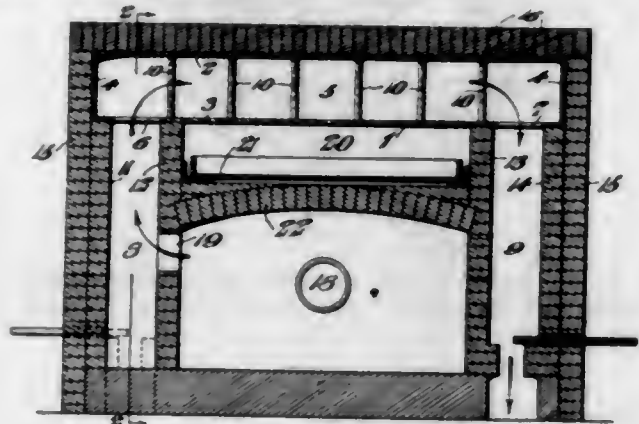
1,517,889. ADDRESS-PLATE HOLDER. CLIFTON
CHISHOLM, Cleveland, Ohio, assignor to The American
Multigraph Company, Cleveland, Ohio, a Corporation
of Ohio. Original application filed Mar. 20, 1922, Ser-
ial No. 545,041. Divided and this application filed
Sept. 19, 1923. Serial No. 663,680. 11 Claims. (Cl.
101-369.)



1. An address plate-holder comprising a body portion having a depressed panel, a plate supporting corrugation extending upwardly with the top thereof in the plane of

the body outside of the panel, and means on the body for holding an address printing member over said corrugation.

1,517,890. MUFFLE LEER. ALVIE C. CRIMMEL, Hartford City, Ind. Filed May 11, 1923. Serial No. 638,268. 12 Claims. (Cl. 49-46.)

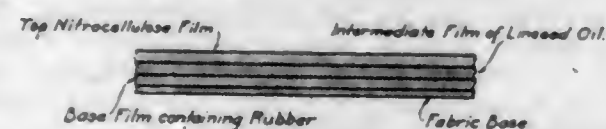


1. The combination of a non-metal leer and a plurality of independent removable metallic units serving as muffles therefor and having openings in their opposite portions adapted to serve as either inlet or outlet openings and means for bracing said metal units.

1,517,891. POWDERED SODIUM SILICATE AND PROCESS OF PREPARING THE SAME. WALTER H. DICKERSON, East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del., a Corporation of Delaware. Filed Sept. 1, 1922. Serial No. 585,800. 10 Claims. (Cl. 23-13.)

1. Sodium silicate in the form of a dry powder composed of globular particles having a hardened glazed surface.

1,517,892. LEATHER SUBSTITUTE AND METHOD OF MAKING THE SAME. KENNETH R. DOUGLASS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 22, 1919. Serial No. 339,946. 10 Claims. (Cl. 91-68.)



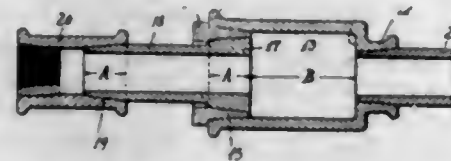
2. An article of manufacture comprising a fabric base carrying a series of superposed films thereon including a rubber film directly upon said base, a nitrocellulose film carried by said rubber film, and a drying oil film therebetween.

9. The method of manufacturing a coated fabric which comprises, applying to the fabric a coating of dissolved rubber, removing the solvent of the rubber, calendering the rubber, applying a coating of linseed oil, vulcanizing the rubber and drying the oil, applying a coating of dissolved nitrocellulose, and removing the solvent of the nitrocellulose.

1,517,893. PIPE COUPLING. JOHN ELDER, deceased, late of Brooklyn, N. Y., by Helen Elder Sibell, executrix, Brooklyn, N. Y. Filed July 22, 1921. Serial No. 486,851. 2 Claims. (Cl. 285-13.)

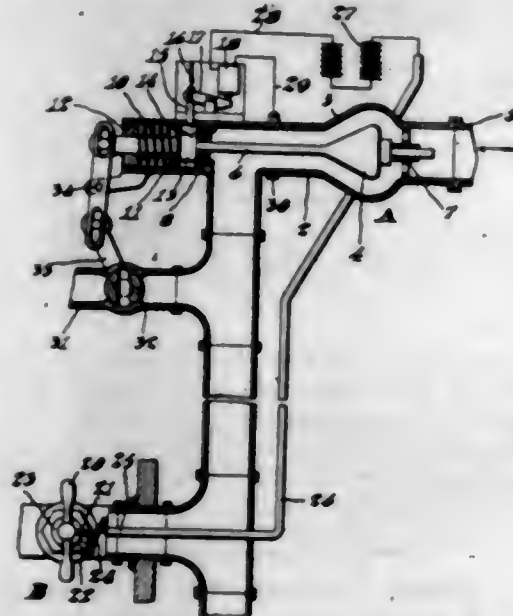
2. A coupling for pipes and other articles, comprising a body having an internal chamber and an inwardly tapering internal screw-thread at one side of said chamber, a bushing having an inwardly-tapering external thread to fit said screw-thread of the body, and also having an outwardly-tapering internal screw-thread the largest diameter of which is smaller than the width of said chamber, and a nipple having at its inner end an outwardly-tapering external screw-thread to fit the

internal thread of the bushing, the other end of said nipple having a threaded portion of like pitch and direction of thread as said inner end, and the clearance



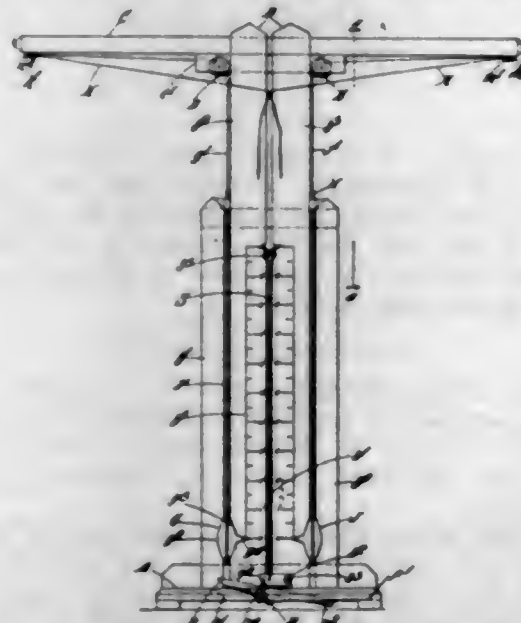
provided in said chamber for the movement of the nipple lengthwise of its own axis, being at least equal to the combined length of said threaded portions of the nipple.

1,517,894. AUTOMATIC SHUT-OFF. OSCAR L. ELY, Beverly, Mass. Filed Apr. 2, 1921. Serial No. 458,070. 2 Claims. (Cl. 137-139.)



1. An apparatus of the character described comprising, in combination, a fluid conducting pipe, a service valve and an emergency valve connected in series in said pipe, and electrical connections under control of said service valve for maintaining the emergency valve in its open position when the service valve is open, but permitting the emergency valve to operate when the service valve is closed.

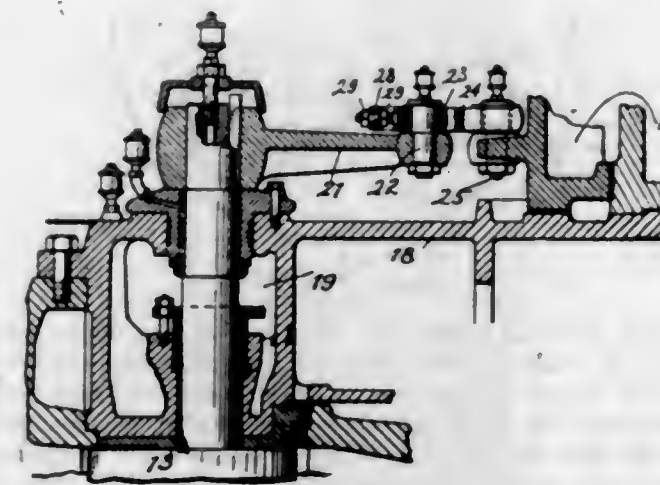
1,517,895. DEVICE FOR USE IN PRACTICING STROKES IN THE GAME OF GOLF. SIDNEY FREDERICK ELY, London, England. Filed Jan. 23, 1924. Serial No. 687,919. 2 Claims. (Cl. 46-4.)



1. In an indicating device for the purposes specified, a standard, two pointers vertically slidable on the said standard and adapted to descend by gravity, flexible con-

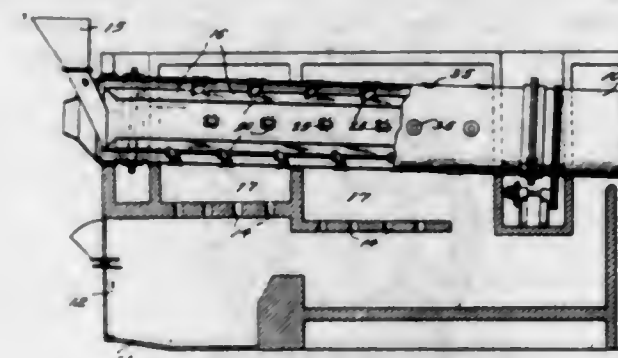
nections adapted to lift said pointers and operable by movement of the head of the user, means for engaging said connections to prevent the descent of said pointers, a catch normally holding said engaging means out of action, a striking member, and operative connections between said member and said catch to release said catch.

1,517,896. WATER TURBINE. KARL A. ENZ, Cleveland, Ohio, assignor, by mesne assignments, to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed July 24, 1922. Serial No. 576,934. 11 Claims. (Cl. 253-122.)



1. In combination in a turbine having a runner and a plurality of gates for controlling the flow of water to the runner, gate operating mechanism comprising a movable gate shifting member, and means for connecting the shifting member to the different gates and comprising for each gate a breakable member which is in tension during the closing movement.

1,517,897. DRYING APPARATUS. JAMES FARABEY, Cleveland Heights, Ohio. Filed Feb. 20, 1922. Serial No. 537,733. 14 Claims. (Cl. 34-6.)

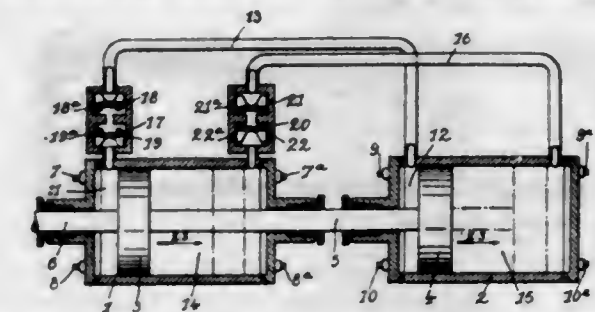


9. In a drying furnace, the combination of a drying container having an aperture therein, and a flanged cast collar inserted in said aperture, the flange of said collar being secured to the exterior of said container about the aperture, the collar having a sleeve extending through the aperture, and a conduit removably secured to said sleeve, said conduit and sleeve overlapping and one of them being rabbeted at its end to provide a shoulder against which the other abuts.

1,517,898. PUMP FOR LIQUIDS AT HIGH TEMPERATURES. SEBASTIEN OTTO ALFRED FIEDLER, Paris, France, assignor to l'Auxiliaire des Chemins de Fer et de l'Industrie, Paris, France. Filed Dec. 14, 1923. Serial No. 680,625. 3 Claims. (Cl. 103-1.)

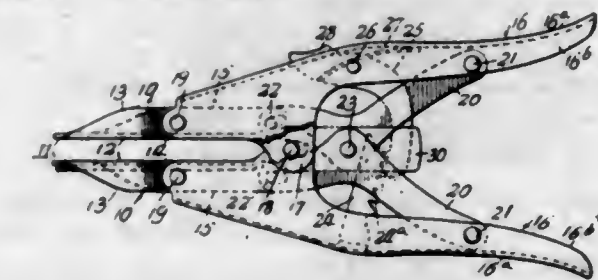
1. A pump installation comprising a pump for liquid at a high temperature, a pump for the same liquid at a

lower temperature, means for operating said pumps in synchronism and means for connecting the suction cham-



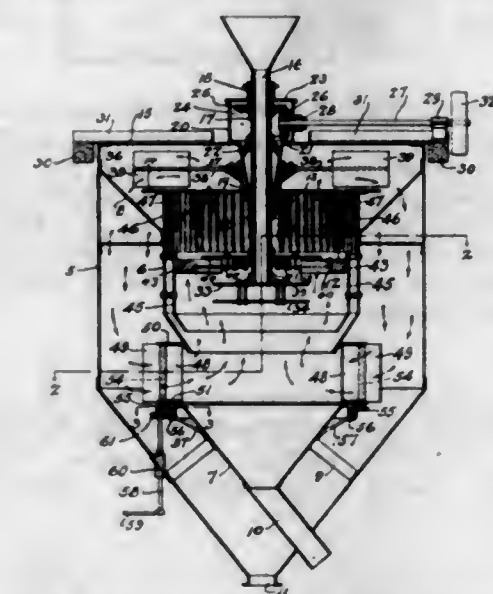
ber of one pump with the suction chamber of the other pump during the suction stroke.

1,517,899. VALVE-SPRING-LIFTING DEVICE. MATHEW J. BURKEL and LOUIS P. FOSNOT, Aurora, Ill. Filed Oct. 12, 1922. Serial No. 594,017. 7 Claims. (Cl. 29-86.3.)



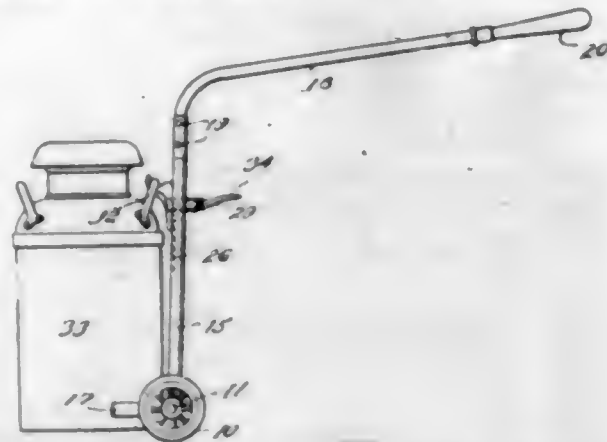
1. A valve spring lifting device, comprising two parallel jaw members, hand levers fulcrumed together between the said jaw members, and having short arms operatively connected to the front ends of said jaw members, and auxiliary levers fulcrumed to each other intermediate their ends, each of said auxiliary levers having pivotal connection at one end with a hand lever and a pin and slot connection with the jaw member carried by said hand lever.

1,517,900. AIR SEPARATOR. RUPERT M. GAY, Hanover Township, Morris County, N. J. Filed Mar. 9, 1923. Serial No. 623,878. 14 Claims. (Cl. 83-40.)



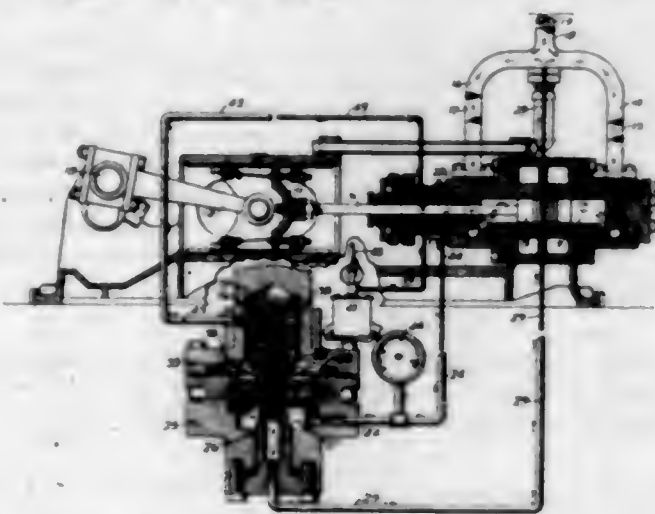
1. In an air separator and in combination, a casing having a separating chamber provided with an air outlet opening in the upper portion thereof and an air inlet opening in the lower portion thereof, means to cause a current of air to pass upwardly through said chamber, means to rotate the upwardly moving air, and means to supply particles of solid material to be graded to said chamber, said casing having inwardly extending baffles forming upwardly and downwardly extending channels between them for the reception and guidance of the larger particles of said material.

1,517,901. HAND TRUCK. THOMAS B. GILL, Cleveland, Ohio. Filed Mar. 24, 1923. Serial No. 627,378. 10 Claims. (Cl. 214-65.4.)



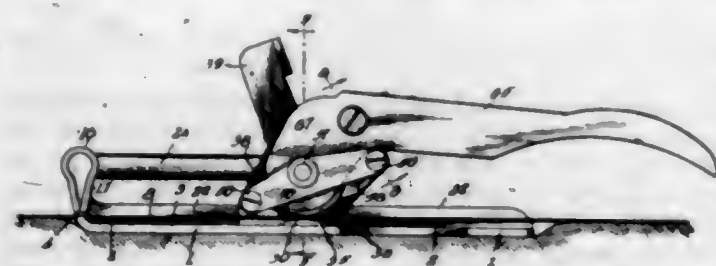
1. In combination, a hand truck frame, having serrations along one side thereof, a runner carried by the frame and shaped to engage the serrations, the runner also having a hook-shaped portion adapted to engage a load, and a member associated with the runner and adapted to engage the frame with a variable-pressure so as to lock the runner to said frame.

1,517,902. STUFFING BOX. JUSTUS C. GOOSMANN, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,745. 5 Claims. (Cl. 286-19.)



4. The combination of a compression cylinder, a piston operating therein, a stuffing box surrounding the piston rod and provided with an inner and an outer annular channel surrounding said rod, automatic means for maintaining a predetermined ratio of pressures in said channels, and a connection for returning pressure leakage along the piston rod from both of said channels back to said cylinder.

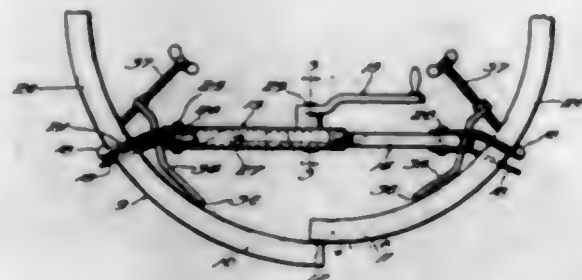
1,517,903. STRETCHING TOOL. ARTHUR G. G. GUENTHER, Chicago, Ill. assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 29, 1920. Serial No. 377,689. 8 Claims. (Cl. 254-51.)



3. In a stretching tool for box strapping, a base plate, means mounted on the base plate for feeding overlapped strap ends relatively past each other, said feeding means stretching the strapping from a single point of contact

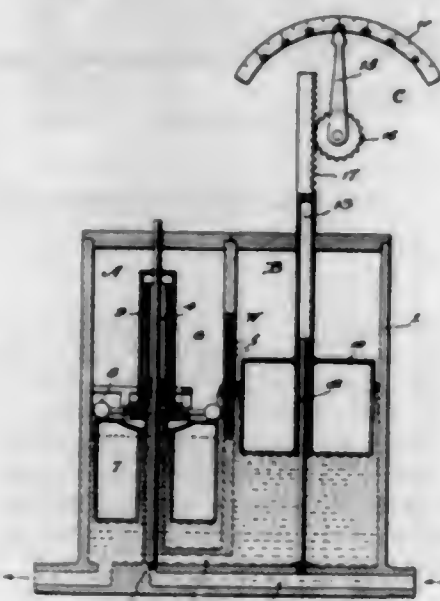
therewith at the overlapped strap ends, said feeding means including means to maintain said strap ends substantially above the base plate at the single point of action, of said feeding means, and means on the base plate spaced from said feeding means to maintain another point on the overlapped strap ends substantially above the base plate.

1,517,904. TIRE-RIM IMPLEMENT. GEORGE B. HAINES, Chicago, Ill., assignor of one-third to James M. Devaney and one-third to Leo J. Cramer, both of Chicago, Ill. Filed Oct. 8, 1923. Serial No. 667,094. 1 Claim. (Cl. 157-1.)



A tire rim implement for the purpose specified comprising in combination a pair of longitudinally movable members, means for moving said members longitudinally with respect to each other, and means in conjunction with the free end of each of said members for engaging the tire rim comprising a pair of jaws together with a pivotal mounting between the inner ends thereof and the end portion of the corresponding movable member, the jaws of each pair curving from said pivotal mounting outwardly around the side flanges of the rim and having turned hook ends adapted to engage the edge portions of the rim flanges, the jaws being bent downward at points intermediate between said pivotal mounting and their hook ends, whereby the hook ends of the jaws lie within a plane lying at an angle to the direction of the jaws at the position of the pivotal mounting aforesaid, substantially as described.

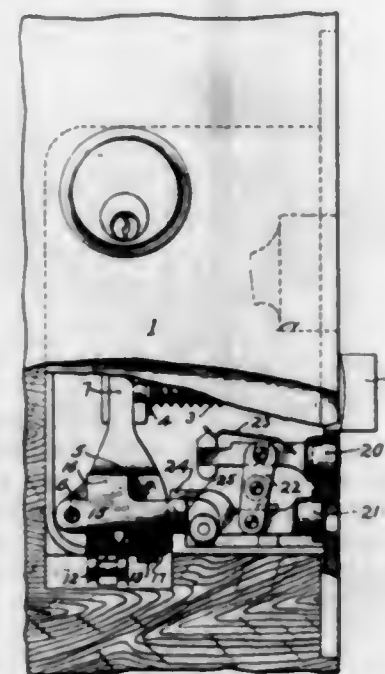
1,517,905. DEVICE FOR INDICATING QUANTITY OF FUEL CONSUMED BY INTERNAL-COMBUSTION ENGINES. CLINTON WALLACE HOUGH, Boonville, N. Y. Filed Oct. 15, 1921. Serial No. 508,013. 5 Claims. (Cl. 73-167.)



1. A device for indicating the quantity of liquid fuel consumed by an internal combustion engine or the like including a carburetor having a delivery chamber, and a gauge unit having a receiving chamber provided with a discharge outlet of variable area opening into said chamber, means for maintaining the level of liquid fuel in

the receiving chamber above the level of liquid fuel in the delivery chamber, a float responsive to the variable level of liquid fuel in the receiving chamber, and an indicator adapted to be operated by said float and calibrated quantity per unit of time.

1,517,906. LOCK. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 20, 1924. Serial No. 701,982. 7 Claims. (Cl. 292-244.)



1. In a lock, a latch, separate means at opposite sides of said lock for retracting said latch, a single reversible locking dog having blocking means to be positioned in the path of one or the other of said retracting means depending upon the mounted position of said dog, and means for locking said locking dog whereby said latch will be locked against retraction by one of said means.

1,517,907. LIGHTING AND IGNITION SWITCH. EDWARD N. JACOB, Milwaukee, Wis., assignor to Briggs & Stratton Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 24, 1919. Serial No. 299,504. 12 Claims. (Cl. 200-44.)

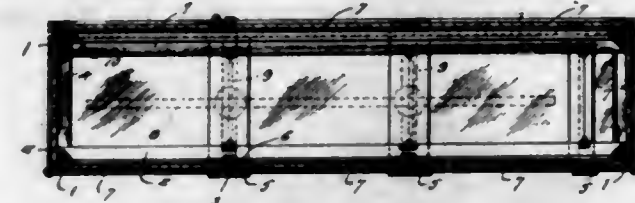


1. In a lock switch, a suitably mounted switch handle capable of turning through an arc of movement, a lock barrel mounted in the switch handle and capable of turning through an arc of movement relative to the handle, a switch member having connection with the lock barrel for movement therewith either by the turning of the handle or the relative turning of the lock barrel, contacts engaged by said switch member in one arc of movement thereof, and means whereby the position of the switch member may be changed with respect to the lock barrel for causing the contacts to be engaged by the switch member in the other arc of movement thereof.

1,517,908. GLASS CASKET. CHARLES NEWTON JOHNSON, Vincennes, Ind. Filed Apr. 29, 1924. Serial No. 709,831. 2 Claims. (Cl. 27-8.)

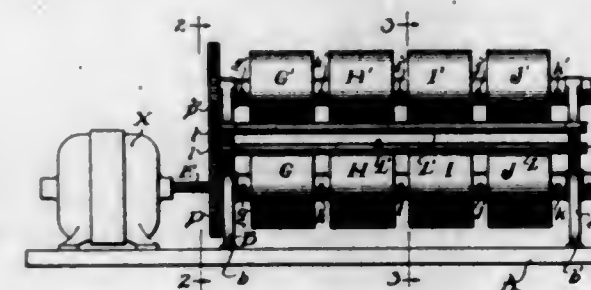
1. A burial receptacle comprising a bottom and enclosing walls including glass panels, an enclosing frame

for said panels, said frames at the corners of the receptacle made up of inner and outer angle pieces, inner



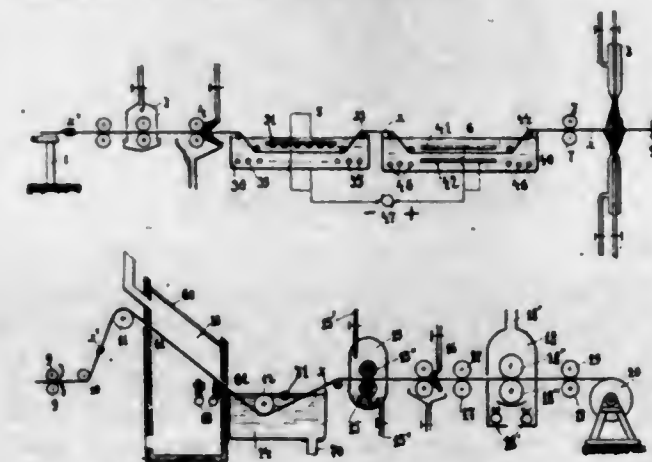
and outer strips covering the joints between said panels intermediate of said corners, and means to secure the parts together.

1,517,909. RAZOR SHARPENER FOR RAZOR BLADES. SHELDON KING, Detroit, Mich. Filed Jan. 18, 1923. Serial No. 613,558. 3 Claims. (Cl. 51-80.)



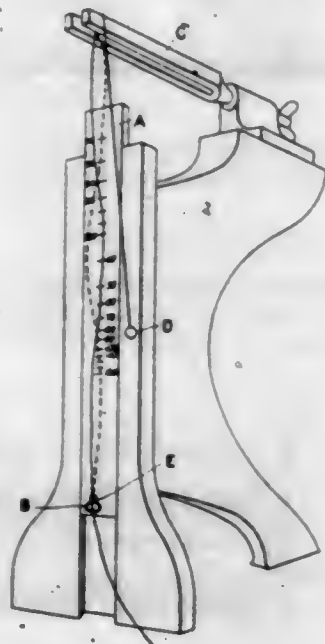
1. A razor sharpener comprising standards respectively provided with recesses on one side thereof, a plurality of parallel rods connecting said standards, parallel shafts rotatably mounted in said standards, means to rotate said shafts in opposite directions, rolls arranged in pairs rigidly mounted on said shafts, abrading surfaces on said rolls, the abrading surfaces of each pair being substantially alike and the abrading surfaces of different pairs being different, in combination with a handle provided with jaws at one end thereof adapted to hold a razor blade, and abutments on the outer faces thereof, and said handle adapted to be placed between said rods with the razor in said jaws in spaced relation with the abrading surfaces of the several rolls, said parallel rods respectively arranged to alternately form the fulcrums of said handle and said abutments respectively arranged to alternately co-act with said rods to determine the position of said handles on said fulcrums.

1,517,910. PLANT FOR ELECTROPLATING METAL. FELIX KIRSCHNER, Vienna, Austria. Original application filed Aug. 24, 1921, Serial No. 494,870. Divided and this application filed Nov. 21, 1922. Serial No. 602,443. 7 Claims. (Cl. 204-5.)



1. A plant for electroplating metal comprising an electroplating cell, means for applying an adhesion flux to the electrolytically deposited coating, means for fusing said coating on to the metal by aid of the adhesion flux and means enabling the molten coating to cool while setting.

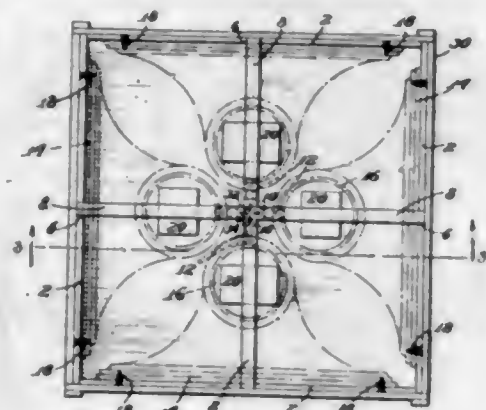
1,517,911. PROCESS AND APPARATUS FOR TESTING TEXTILES. JOSEPH EDOUARD GUSTAVE LAHOUSSE, Ternay, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Aug. 24, 1923. Serial No. 659,092. 5 Claims. (Cl. 73-51.)



1. A process for testing textiles, consisting in passing successive lengths of the textile thread, under a known tension, between two points of attachment at one of which vibrations of known frequency are imparted to the thread and to measure the distance between one of the said points of attachment and one of the nodes.

2. An apparatus for testing textiles, comprising a stand, a sliding scale, means for exerting a constant tension on a length of thread, at one end thereof means for imparting vibrations of constant frequency to the other end of the thread, and means for clamping the thread in position.

1,517,912. PACKING CASE OR CRATE FOR CLOCKS. ROBERT J. LEIGHTON, Winsted, Conn., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn., a Corporation of Connecticut. Filed Jan. 10, 1924. Serial No. 685,302. 5 Claims. (Cl. 206-65.)



1. A packing case for clocks comprising a supplemental crate for receiving a clock having a base upon which the base of the clock rests made up of a longitudinally extending piece and a cross piece centrally secured together, upright pieces having their lower ends secured to the ends of said cross piece and extending over and spaced from the front and back of the clock, a top piece connecting the upper ends of said upright pieces and spaced from the top of the clock, cushioning members on said upright pieces for engaging the front and rear sides of the clock, respectively, near its upper end, and a cushioning member on said top piece for engaging the top of the clock.

1,517,913. WINDOW REGULATOR. JOHN E. LENAHER, Detroit, Mich. Filed May 21, 1923. Serial No. 640,542. 3 Claims. (Cl. 268-4.)



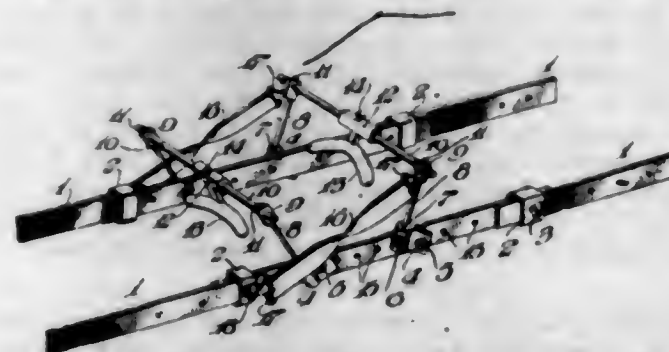
2. In a window regulator, the combination with a sash operating mechanism including an actuating element, of a laterally projecting head thereon, a crank flexibly connected with said head, and means on the latter serving to hold said crank substantially parallel thereto when in an open position.

1,517,914. TUBE FOR APPLYING CREAMS AND THE LIKE TO THE SKIN. JAMES MACDONALD, New York, N. Y. Filed Nov. 2, 1923. Serial No. 372,261. 4 Claims. (Cl. 91-67.4.)



4. A device of the class described comprising a container adapted to hold a cream like substance, a nozzle for said container, a wall across said nozzle having apertures through which the contents of the container is adapted to be exuded, a flange projecting from the end of said nozzle and entirely surrounding said apertured wall, the latter being depressed below the top of the flange for the purpose set forth, and a removable cap for said nozzle, having an end wall adapted to lie close to or against the apertured wall of the nozzle and having a projecting, annular flange the container being adapted to be stood on end on said annular flange of the cap.

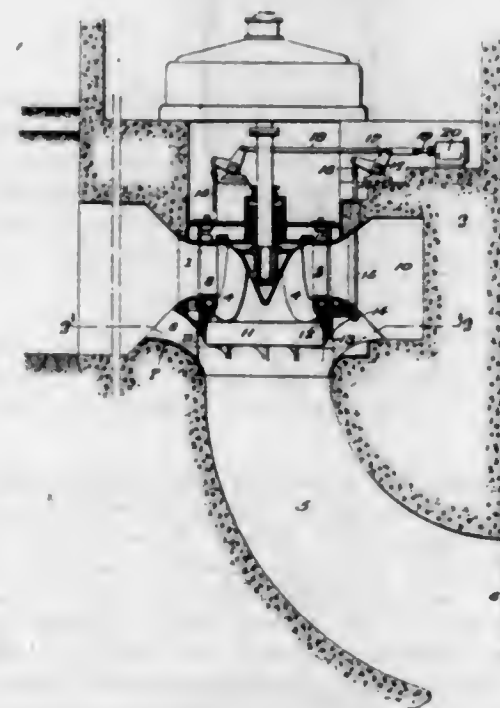
1,517,915. SURGICAL SPLINT FOR FRACTURES. HARVEY C. MASLAND, Philadelphia, Pa. Filed Jan. 15, 1923. Serial No. 612,647. 2 Claims. (Cl. 128-87.)



1. In a splint of the character stated, a clutch, an adjustable sleeve with which the said clutch is connected, a cross bar on which said sleeve is mounted,

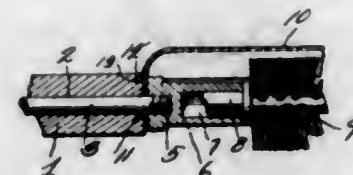
supporting members for said cross bar, brackets adapted adjustably to carry said members, and side splint arms with which said brackets are adjustably connected.

1,517,916. HYDRAULIC TURBINE. LEWIS F. MOODY, Philadelphia, Pa., assignor to William Cramp & Sons Ship & Engine Building Company, a Corporation of Pennsylvania. Filed Mar. 23, 1917. Serial No. 156,813. 53 Claims. (Cl. 253-17.)



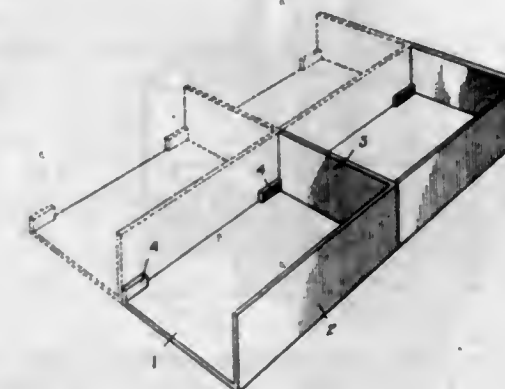
2. A turbine having, as a part of its support, a casing provided with apertures to by-pass the water into the draft tube immediately beneath the runner, turbine gates, and means independent of said gates to control said apertures.

1,517,917. ROTARY TOOTHBRUSH. WALTER SCOTT MURDOCK, Galveston, Tex. Filed Dec. 14, 1922. Serial No. 606,825. 1 Claim. (Cl. 15-25.)



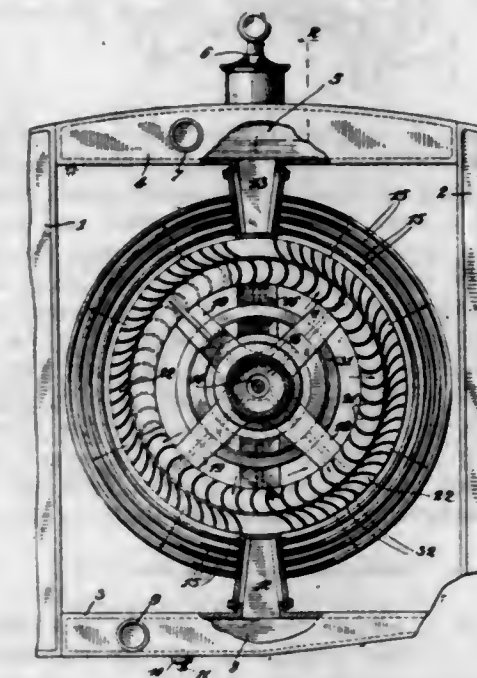
A tooth brush comprising an elongated handle member, a rotatable shaft extending axially through the handle, a ferrule threaded on the inner end of the shaft and having its inner end spaced from the adjacent end of the handle member, a brush detachably connected to the ferrule and rotatable therewith, a shield located to one side of the brush, an inwardly extending ear carried by one end of the shield and disposed between the ferrule and the handle member and through an aperture of which the shaft extends, means carried by the ear and cooperating with the handle whereby said shield will be held against rotation, the outer end of the shield being provided with an inwardly extending ear overlying the outer end of the brush.

1,517,918. MOLD. CHARLES V. PIERSON, Duluth, Minn. Filed Dec. 20, 1923. Serial No. 681,745. 2 Claims. (Cl. 25-121.)



1. A block mold of the character described having a bottom and two contiguous sides formed integral therewith, and means for preventing overlapping of the molds when grouped together for forming a plurality of blocks.

1,517,919. CENTRIFUGAL DRAFT RADIATOR. SAMUEL W. RUSHMORE, Plainfield, N. J. Filed Sept. 13, 1921. Serial No. 500,380. 5 Claims. (Cl. 257-126.)

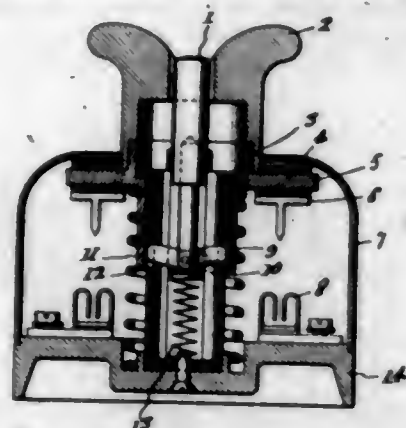


1. A radiator for cooling or condensing purposes comprising a radiator annulus and a centrifugal blower supported within the annulus, in combination with annularly arranged vanes located circumferentially, outside of the blower, in inclined positions so as to engage edge-wise and to deflect radially the centrifugally blown draft.

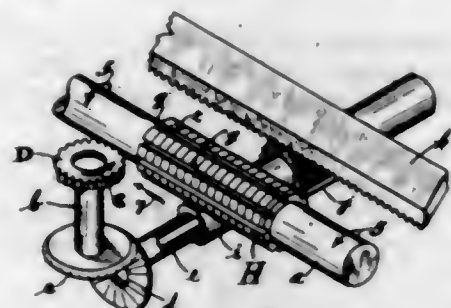
1,517,920. PRESS-BUTTON SWITCH. HUGO SACHS, Leipzig, Germany. Filed July 15, 1920. Serial No. 396,620. 3 Claims. (Cl. 200-78.)

2. A press button switch comprising normally open contacts a reciprocating member to close the contacts, yieldable means biasing said member to an open position.

tion, locking means within the member to hold the contacts closed and shiftable to locking position upon movement of the member to close the contacts, and means slidingly through the member and operable independently thereof to release the locking means.



1,517,921. METHOD AND APPARATUS FOR MAKING HOBS. OLIVER G. SIMMONS, Philadelphia, Pa., assignor to Simmons Method-Hob Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1921. Serial No. 464,661. 5 Claims. (Cl. 76-101.)



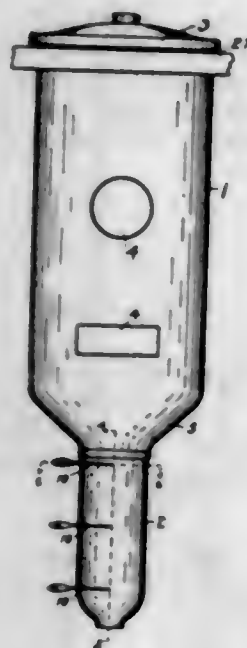
1. The method of forming in a hob blank a longitudinal series of rows of circumferentially spaced relieved teeth without longitudinal lead, which consists in rotating the blank, feeding transversely in and withdrawing from cutting relation with the hob blank a plurality of times per revolution of the hob blank a cutter having cutting teeth having a circumferential pitch equal to the distance between adjacent rows of the hob teeth and rotatable about an axis at right angles to the axis of rotation of the blank, moving the cutter parallel with the axis of rotation of the blank, and simultaneously rotating the cutter at a speed equal to its linear speed parallel to the axis of said hob divided by the circumference of the pitch circle of its cutting teeth.

1,517,922. ANATOMICAL ARTICULATOR AND GRINDER. ALBERT STANLEY, Indianapolis, Ind. Filed Dec. 31, 1921. Serial No. 526,369. 8 Claims. (Cl. 32-1.)



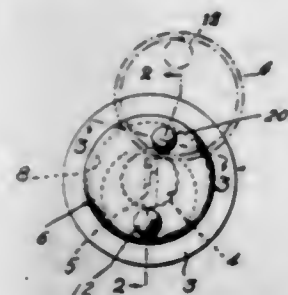
3. An anatomical articulator including a lower jaw, an upper jaw provided with two flat laterally elastic pivot bars and also two thumb-levers to flex the bars forward of the pivot bars respectively, the pivot bars having rotative support on the lower jaw and bodily supporting the upper jaw, and co-operating adjusting means to regulate the pivotal movement of either one of the jaws towards the other jaw.

1,517,923. DISPENSING AND MEASURING APPARATUS. ARTHUR J. SILVESTER, New York, N. Y. Filed Feb. 9, 1924. Serial No. 691,680. 9 Claims. (Cl. 221-112.)



1. A dispensing and measuring apparatus for granular material and the like, comprising in combination a transparent, glass hopper with funnel shaped mouth and a cylindrical metallic measuring chamber secured thereto, the inside of the hopper mouth being smaller than the measuring chamber, the outside of the mouth of said hopper being provided with a groove and said chamber carrying a flange integral with the chamber casing and engaging said groove, thereby enabling the hopper and chamber to be sanitarily connected.

1,517,924. LOCK. ERNEST L. TRICH, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Aug. 3, 1923. Serial No. 655,413. 5 Claims. (Cl. 70-16.)

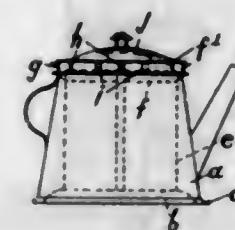


1. A lock comprising a case having a hole and an aperture in one face thereof, a bearing member screw-threaded into said aperture, a pin extending through and mounted to slide in an axial bore in said bearing member, a cover for the hole mounted on the outer end of said pin, and a spring interposed between the inner end of said bearing member and a shoulder on said pin for yieldingly pressing said cover against said face of the lock case.

1,517,925. GEYSER, KETTLE, WATER HEATER, AND OTHER LIKE RECEPTACLE. MICHELE TOCCIO, London, England. Filed Apr. 17, 1924. Serial No. 707,161. 1 Claim. (Cl. 53-9.)

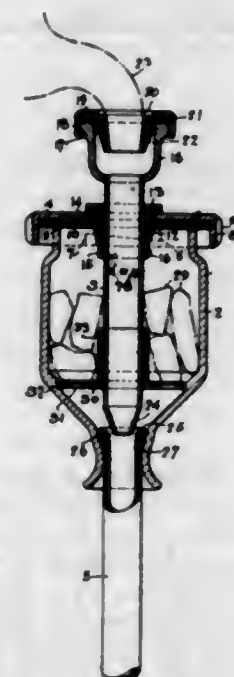
A liquid heating vessel comprising a body portion, an upwardly concaved bottom, having a curviform slot therein, a vertical flue of internal size and shape correspond-

ing to said slot, said flue being attached to the inner side of said bottom, and in register with said slot and extending above the top of said body portion; a removable inner cover, downwardly concaved and provided with a slot of such size and shape as to fit snugly over said flue, said inner cover having a horizontal flange for



supporting it on the kettle body, and a vertical flange provided with heat-circulating openings, said vertical flange extending above the top of the flue and being provided with receptacle-supporting cross-pieces and an outer cover having a bend and being constructed to close the top of the inner cover.

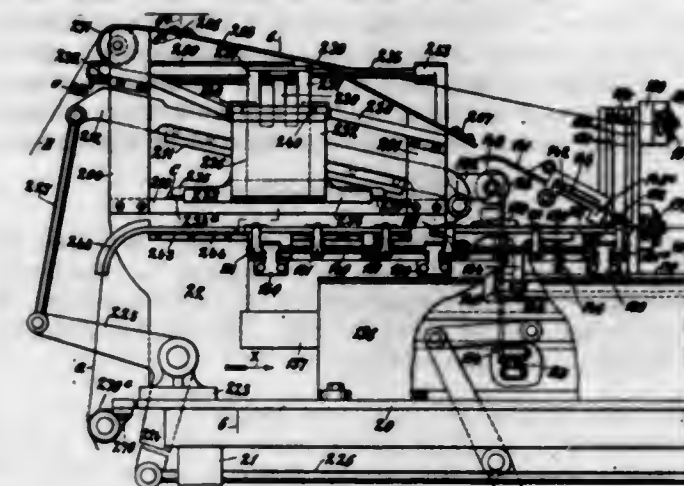
1,517,926. WASHING DEVICE. OSCAR H. WECKESSER, Pittsburgh, Pa. Filed Mar. 7, 1922. Serial No. 541,698. 17 Claims. (Cl. 209-84.)



1. A washing device comprising a casing having a space adapted to contain soap or other soluble material, a straight and continuously open channel for conducting water through said casing and having an opening into said space, and means for selectively causing the water to flow through said channel without entering said space or for diverting a portion of the flowing water from said channel into said space and thereafter uniting said diverted water with the main stream, said selective means comprising a discharge opening from said casing to said channel, and means for opening said discharge opening.

16. A washing device comprising a casing adapted to contain soap or other soluble material and having an outlet, a tube extending into said casing and provided with means for connecting said tube to a source of water, means for conducting fluid from said casing, and means operable by relative lengthwise movement between said casing and said tube for selectively causing the water to flow directly through said tube and outlet, or for diverting a portion of the fluid away from said tube into the space surrounding the tube, and thereafter uniting said diverted water with the main stream.

1,517,927. METHOD OF MAKING BOXES. LEO WEISS and ADOLPH WEISS, New York, N. Y., assignors to Automat Paper Box Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,313. 15 Claims. (Cl. 93-40.)



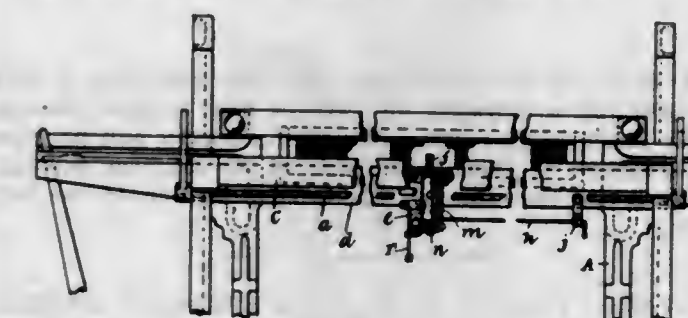
1. The method of making a box consisting in folding a blank to form the bottom and neck thereof and subjecting the bottom and neck to suction to maintain them in proper related position, winding a frame with strips around said neck and attaching them thereto.

1,517,928. DRYING APPARATUS. JOHN B. WELCH, Shreveport, La. Filed July 19, 1922. Serial No. 575,965. 16 Claims. (Cl. 34-46.)



1. A drying apparatus comprising an elongated drying chamber for containing the material to be dried, means for admitting fresh air to the dry end of the apparatus, means for producing predetermined conditions of humidity and temperature within the apparatus, and means for developing self-controlled air recirculation actuated by differences in densities of partially counterbalancing columns of hot and cold air.

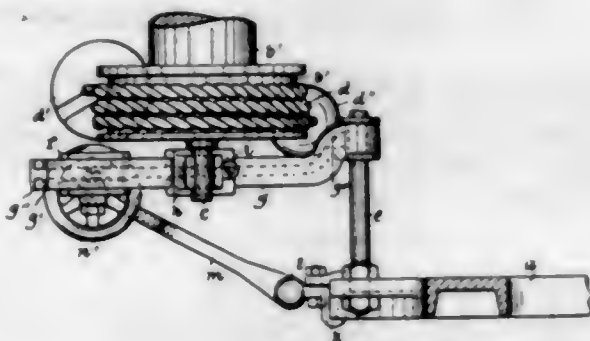
1,517,929. WEFT STOP MOTION FOR LOOMS. WILLIAM S. WELLS, South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 11, 1922. Serial No. 600,263. 8 Claims. (Cl. 139-375.)



1. In combination, with the fixed structure of a loom and a batten-including structure movable in the fixed structure back and forth, a weft-detecting device pivotally movable on the second structure into and out of and normally urged into position to detect failure of

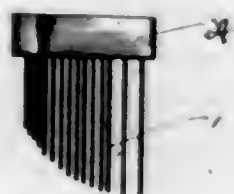
weft on said second structure, a dagger pivotally movable on said second structure in one direction against said device to move it out of said position but normally urged in the opposite direction, said device and dagger having their axes of movement parallel, means to press the dagger against said device on each back and forth stroke of the second structure, said device having means to check movement of the dagger in said opposite direction on failure of weft and consequent movement of said device into said position, and a shiftable loom-controller-including means arranged to be shifted by the dagger.

1,517,930. BEAM-SUPPORTING MEANS. WILLIAM S. WELLS, South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 22, 1923. Serial No. 676,225. 7 Claims. (Cl. 139—97.)



7. In combination, a fixed structure and a beam-supporting means including two arms one of which is substantially horizontally shiftable, and the other of which is pivotally movable on a substantially vertical axis, on said structure, one of said arms being also pivotally shiftable relatively to the other up and down, and means pivotally connecting the two arms in their various positions and including a vertical screw arranged in one arm and a nut on the screw bearing against the latter arm, for adjusting the up-and-down shiftable arm to different elevations.

1,517,931. DEVICE FOR PUNCTURING CELLS OF CITROUS FRUITS. OMER S. WIELS, Independence, Kans. Filed Jan. 9, 1924. Serial No. 635,221. 1 Claim. (Cl. 146—3.)

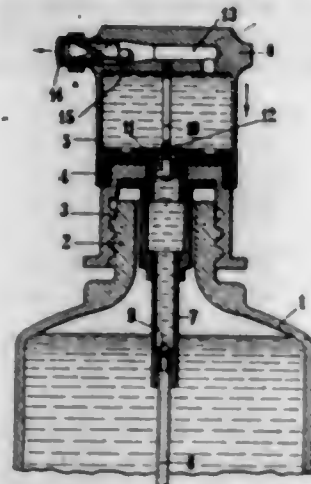


A device of the character described including a back or base and a plurality of teeth or pins secured therein, these teeth or pins being of varying length and piercing a curvature at their ends adapted to conform substantially to the curvature of the interior section of the half fruit.

1,517,932. PISTON PUMP AND SPRAYER BOTTLE. MAX APTHEGOUT, Berlin-Tempelhof, Germany. Filed May 12, 1924. Serial No. 712,811. 4 Claims. (Cl. 299—97.)

1. A piston pump for emptying liquid containers, comprising a piston member adapted to be firmly connected with the mouth piece of the container and a cylinder

open at one end and closed at the other slidably mounted on said piston member and constituting the operating handle of the pump, the cylinder provided with an exit



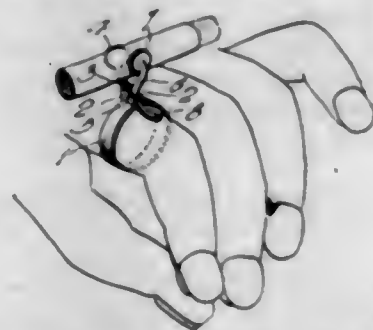
at its closed end, one of said pump elements provided with a tubular member forming a passage from below the piston member to above same.

1,517,933. CLOTHESLINE. CHARLES E. AMER, Mill-sap, Tex. Filed Nov. 10, 1922. Serial No. 600,124. 2 Claims. (Cl. 68—3.)



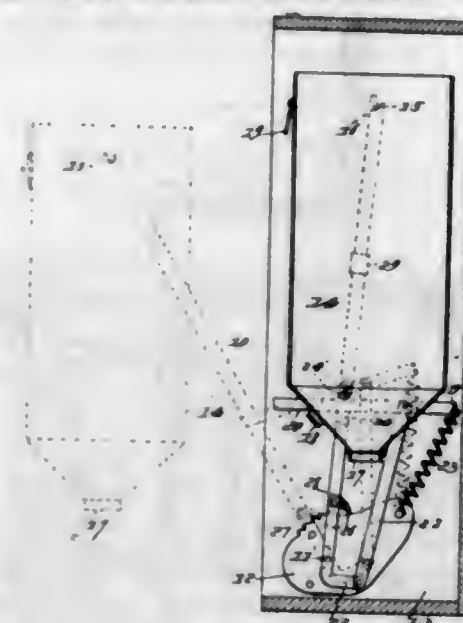
1. A clothes line comprising a series of similar links connected together and each formed from a single length of resilient wire including an elongated straight stretch twisted to define eyes and clamping portions lying against the straight stretch adjacent the eyes, the wire having its end portions extending toward each other from said clamping portions and at an acute angle with respect to the elongated straight stretch with the ends coiled about the central portion of the elongated straight stretch.

1,517,934. CIGARETTE HOLDER. CHARLES E. ANDERSON, Sioux Falls, S. Dak. Filed Mar. 17, 1924. Serial No. 699,935. 4 Claims. (Cl. 131—51.)



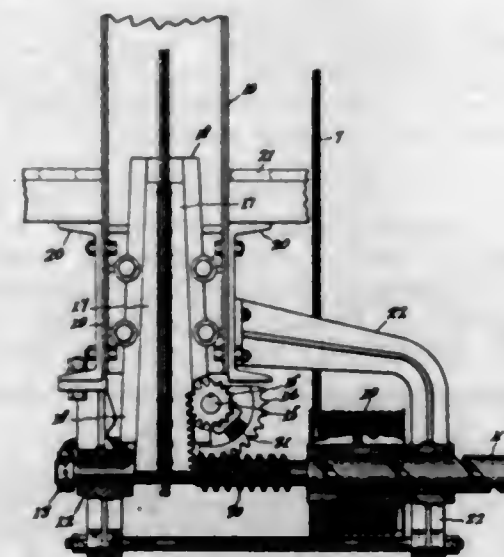
1. In a cigarette holder comprising a clamp for the cigarette and a finger-ring carrying said clamp; a clamp-applying member operatively associated with said clamp and adapted to contact with the finger upon which the ring is placed, to hold said clamp in operative position.

1,517,935. BIN MOUNTING FOR KITCHEN CABINETS. JOHN AZAMBA, Pittsburg, Kans. Filed July 11, 1922. Serial No. 574,232. 3 Claims. (Cl. 211—6.)



1. In combination with a dispensing bin, a mounting having pivotal supporting arms between the extremities of which the bin is suspended, a spring actuated yoke having arms slidably engaged with the supporting arms and provided with stops for limiting the movement of the supporting arms independently of the yoke after they have reached a certain position with respect to the latter, the supporting arms being provided with rearwardly directed terminals, and links having terminal pivotal connections with said rearwardly directed terminals and with the arms of the yoke at points between the cross bar thereof and the point of engagement of the supporting arms therewith to communicate rocking movement of the supporting arms to the yoke.

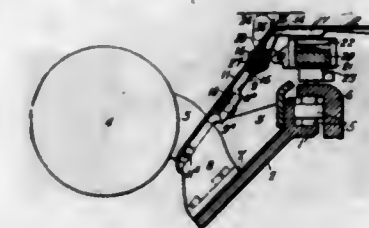
1,517,936. ELEVATOR SAFETY DEVICE. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, Coalinga, Calif., a Corporation of California. Filed Oct. 10, 1923. Serial No. 667,759. 8 Claims. (Cl. 187—90.)



5. A safety device for elevators comprising a longitudinally movable and rotary shaft having a thread cut in one end, a drum engaging the thread, a cable wound on the drum for rotating the same, means for holding the drum against sliding movement in one direction, means associated with the shaft for preventing the rotation of the shaft during the initial rotation of the drum but for subsequently allowing rotation of said shaft, a worm upon the shaft, a worm wheel segment meshing therewith, a pair of shaft sections, a differential disposed between the worm segment and the shaft sections, pairs of brake shoes mounted at opposite ends

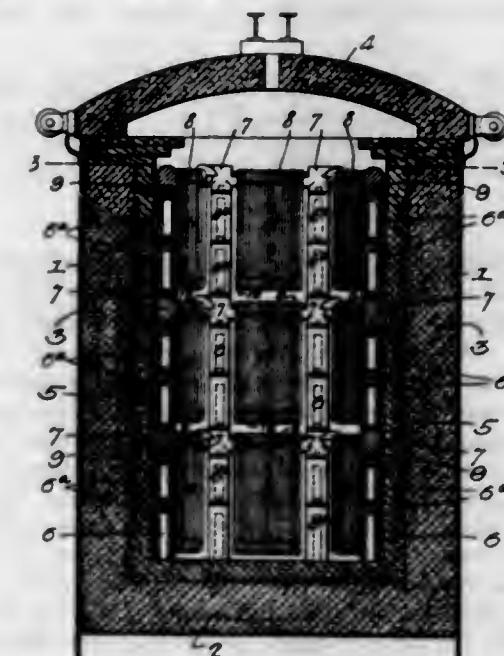
of said shaft sections, one of each pair of shoes being directly driven by said shaft sections, and a connection between the pairs of shoes for causing the simultaneously movement thereof.

1,517,937. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Mar. 19, 1923. Serial No. 625,947. 13 Claims. (Cl. 197—143.)



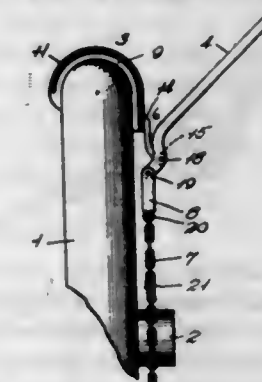
1. In a typewriter machine, the combination of a platen, a two-part paper table, a hinge rod connecting the two parts of said table, and a paper guide on said hinge rod.

1,517,938. ELECTRIC FURNACE. THEODORE B. BECHTEL, Philadelphia, Pa., assignor to F. J. Ryan & Company, Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 12, 1922. Serial No. 606,385. 15 Claims. (Cl. 204—64.)



9. The combination in an electric furnace of a casing; series of column sections doweled together; horizontal cross bars carried by adjacent columns; and resistor elements hung from said cross bars.

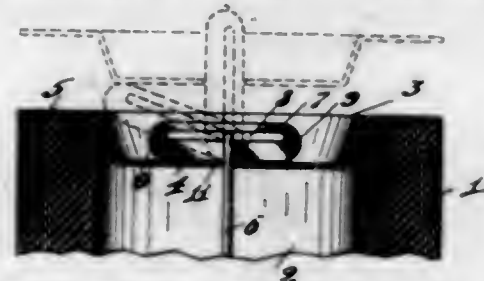
1,517,939. TRACTION-INCREASING DEVICE. GEORGE FRANCIS BELL, Tulsa, Okla. Filed June 17, 1924. Serial No. 720,596. 5 Claims. (Cl. 152—14.)



4. A mud-hook comprising a curved traction element, a link swiveled at one end to said element, an operating lever having an off-set portion, said link being piv-

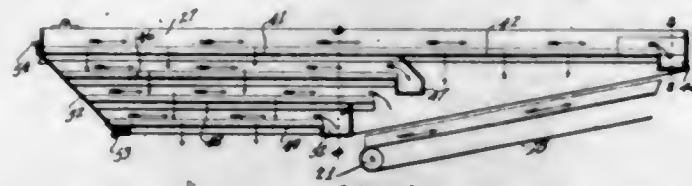
ated at its opposite end to the off-set portion of said lever at a point adjacent the body portion, a U-shaped link pivoted to the extremity of said off-set portion, and a chain carried by said last mentioned link.

1,517,940. FABRIC-ROLL-END PROTECTOR. JOHN W. Bellairs, Mishawaka, Ind. Filed Dec. 17, 1923. Serial No. 681,239. 5 Claims. (Cl. 206-59.)



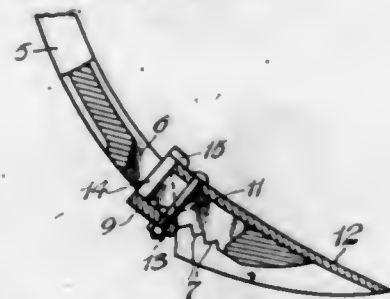
1. The combination with a roll having a central opening therethrough, of end caps adapted to engage the ends of the roll, a connection between said end caps including a rod extending through the roll and the end caps, and a cam member cooperating with one end of said rod and one of the end caps for exerting a pull on the rod and a bearing pressure on said cap.

1,517,941. ALMOND SEPARATOR AND GRADER. HERMAN S. BINFORD, Modesto, Calif. Filed June 7, 1922. Serial No. 566,499. 1 Claim. (Cl. 130-15.)



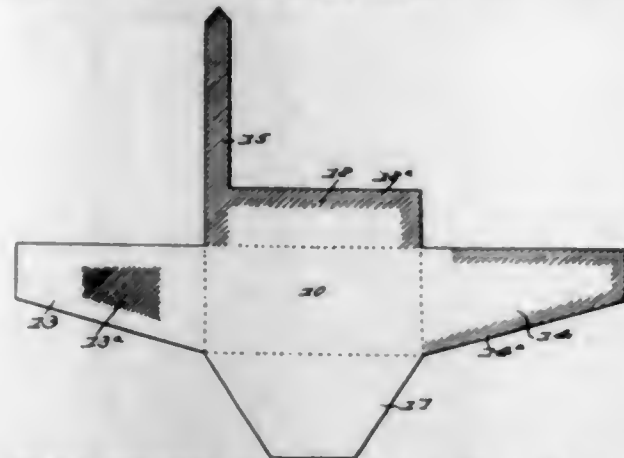
In an almond separator, a shaking element, comprising a horizontal screen formed in two portions, one of said portions having circular openings therethrough, and the other of said portions having transversely disposed elongated openings therethrough, a second screen, mounted in said shaking element and at a point beneath said screen having the circular openings therein, a third screen mounted beneath said second mentioned screen, said third mentioned screen having openings therein of different mesh than said first mentioned screens, a fourth screen mounted beneath said third mentioned screen, conveyer means for receiving a portion of the discharge passing through the three upper screens and downwardly inclined troughs projecting beyond the side wall of the frame arranged at one end of each of the first, second and fourth mentioned screens for the purpose specified.

1,517,942. SHOVEL FASTENING. GEORGE E. BISHOP, Iuka, Miss. Filed Oct. 4, 1923. Serial No. 666,562. 1 Claim. (Cl. 27-198.)



Shovel attaching means for plow or cultivator standards including a clamp composed of a plate provided with an opening, teeth extending transversely of the plate at opposite sides of said opening, a post rigid with one end of the plate and extending from one side of the latter, a cross-bar rigid upon the outer end of said post, said cross-bar having an overhanging lip to engage over the upper end of a cultivator or plow shovel.

1,517,943. SAFETY ENVELOPE. GEORGE BLYBERG, Reedsport, Oreg. Filed Sept. 13, 1922. Serial No. 587,961. 1 Claim. (Cl. 229-80.)



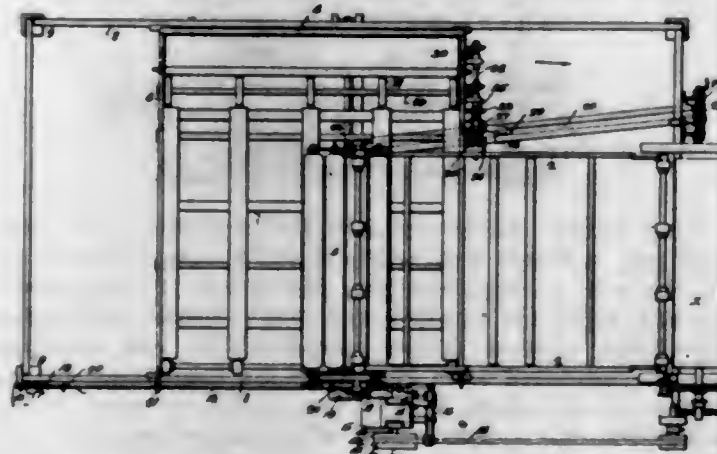
A safety envelope consisting of a main panel provided with bottom and cover flaps at its side edges and end flaps at its end edges, one of said end flaps being of shorter length than the other and provided with an intermediate gummed surface inset from its edges, the longer of said end flaps having a gummed edge surface at its free edges, the cover flap having a gummed surface at its free edges and being provided with a tongue at one end extending perpendicularly to the length of the main panel and of a length, when the cover flap is folded, to extend around the lower edge of the main panel and across the front face of the latter to terminate within the stamp receiving area.

1,517,944. MEANS FOR SECURING FLEXIBLE TILE ROOFING. JAMES FRANK BOBBITT, Greenwood, Miss. Filed May 29, 1924. Serial No. 716,768. 9 Claims. (Cl. 108-33.)



1. As a new article of manufacture for securing roofing material, an arched member having upwardly and outwardly bent terminals the extreme ends of each terminal having a prong bent toward the arched member for penetration into the said material.

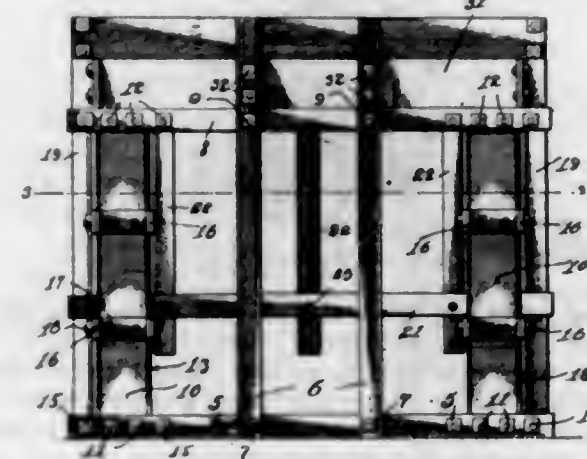
1,517,945. LAPPING MACHINE. WILLIAM F. BOKUM and JOHN H. SENIOR, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 15, 1924. Serial No. 686,300. 4 Claims. (Cl. 19-163.)



2. The combination in a lapping machine, of a frame; a carriage; means for reciprocating the carriage; an apron of the carriage; means for feeding material onto

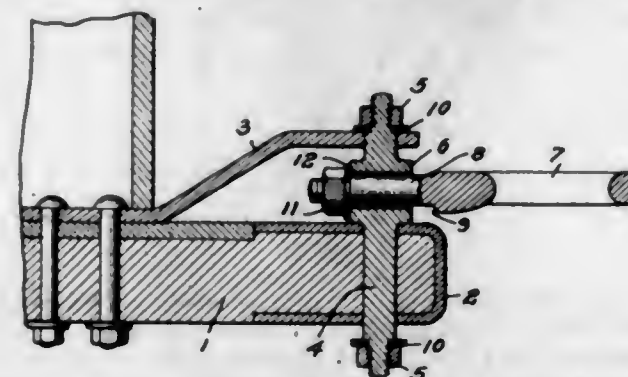
the apron to form a batt; a bar at the side of the carriage; stops on the bar; an arm on the carriage arranged to come in contact with the stops to shift the bar; and a belt shifter actuated by the bar to change the direction of movement of the carriage.

1,517,946. CONCRETE FORM. MYRON BRANDEBERRY, Bloomdale, Ohio. Filed Nov. 12, 1923. Serial No. 674,360. 5 Claims. (Cl. 25-131.5.)



2. In a mold constructed from detachable metal sections, a frame including vertical supporting standards and horizontal brace strips, vertical rectangular column molds at each corner of the frame and connected with the standards and brace strips, said standards and brace strips forming means for holding the vertical column forms in spaced relation to each other.

1,517,947. CAR COUPLER. HARRY M. BROWN, New Kensington, Pa., assignor of one-half to Archie Roberts Barking, Penn. Pa. Filed Mar. 1, 1924. Serial No. 696,216. 1 Claim. (Cl. 213-74.)



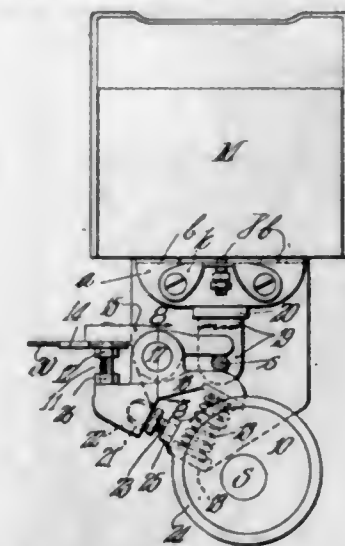
In a coupler for cars the combination of a clevis anchored in the car body, a stud borne by said clevis rotatable in its bearings and movable longitudinally in its bearing within a limited range, and a link provided with an extended and integral stem and by such stem pivoted to said stud or an axis at right angles to that on which the stud is itself rotatable as aforesaid, said link being movable longitudinally within a limited range in its pivotal engagement with the stud.

1,517,948. MAGNETO. PHELPS BROWN and IRA E. HENDRICKSON, Springfield, Mass.; said Hendrickson assignor of his entire right to Wico Electric Company, Springfield, Mass., a Corporation of Massachusetts. Filed June 2, 1923. Serial No. 643,037. 25 Claims. (Cl. 123-149.)

1. In a magneto, a movable armature, magnetic pole pieces with which said armature cooperates to make and break a magnetic circuit, said armature in one position contacting with both pole pieces, a drive spring for moving the armature into position to break said circuit and

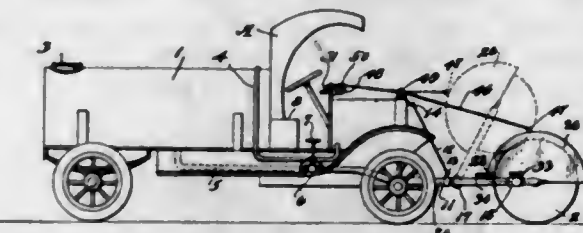
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insufficient even when fully stressed to overcome the force of magnetic attraction by which the armature is held in the first named position, means operated from



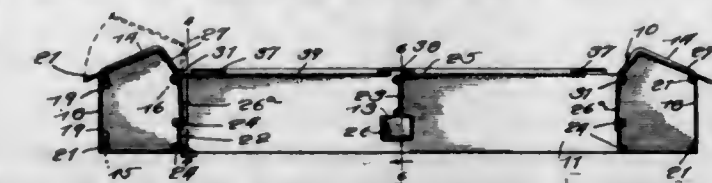
the engine to first stress said spring and then break the magnetic hold on the armature by an inelastic transmission of force from the engine, and means for rendering said spring inoperative, when desired.

1,517,949. SNOW CONVERTER. OWEN T. BUGG, Cleveland Heights, Ohio, assignor to American Production Company, Beacon, N. Y., a Corporation. Filed Feb. 4, 1924. Serial No. 690,575. 13 Claims. (Cl. 37-13.)



1. In a snow converting apparatus, a melting drum, a hood enclosing the upper portion thereof, a plurality of burners mounted within the hood and disposed to impinge a flame against a material area of the upper periphery of said drum, and means for advancing said drum.

1,517,950. HATCHING DEVICE. ARTHUR R. BULLOCK, Elmwood, Nebr. Filed July 7, 1923. Serial No. 650,120. 6 Claims. (Cl. 119-19.)

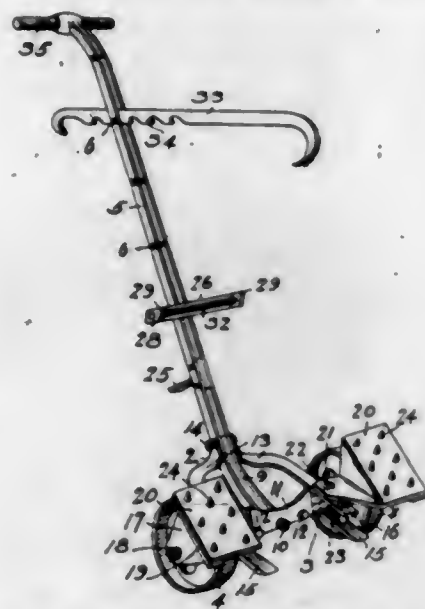


1. In a hatching device of the type described, end members having their longitudinal edges rolled to form eyes, said eyes being notched at spaced intervals, partition members having their ends extended into the eyes of said end members and provided with openings aligning with said eyes, and securing elements extending through the openings of said partitions and the eyes of said end members to secure the same in assembled relation.

1,517,951. TRUCK. CHARLES W. CADE, Bellevue, Pa., assignor to McKinney Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 2, 1920. Serial No. 386,081. 1 Claim. (Cl. 280-56.)

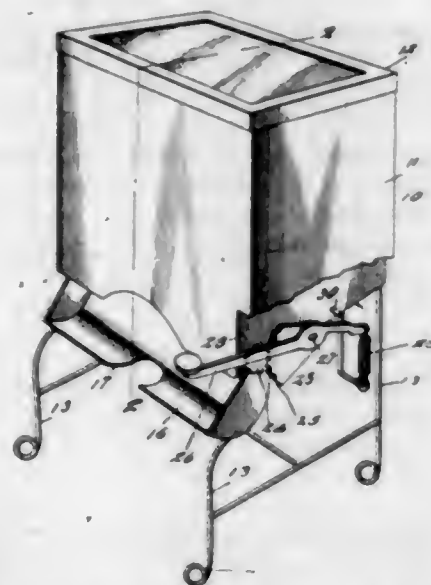
A truck comprising an axle, wheels mounted thereon, a package rest at each side of the truck having a flange portion extending across the top of the wheel and a

vertical portion extending along one side of the wheel to a point adjacent to the axle, a second flanged member having a vertical portion secured to the axle at the opposite side of said wheel and having a horizontally dis-



posed flange portion supporting said first-named flange adjacent to the outer edge thereof, a handle supporting member, and a common means for securing said first-named flanged portion and said handle member to the axle.

1,517,952. DISPENSING MACHINE. THOMAS CAPPARELLA, New York, N. Y., assignor of one-third to Lewis H. Greve, New York, N. Y. Filed Dec. 31, 1923. Serial No. 638,782. 4 Claims. (Cl. 206-22.)

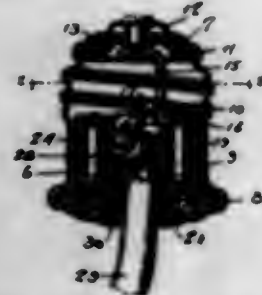


1. A dispensing machine comprising a receptacle having an inclined bottom, a wall spaced from said bottom and adapted to overlie a portion of said bottom, the space between the wall and the bottom constituting a passage, a roller, mounted at the lower end of said passage, a groove in said roller for register with said passage, and operating means for oscillating said roller, and an agitator means operable by said operating means, said agitator means including a rock arm pivoted beneath said receptacle for striking contact therewith.

1,517,953. ATTACHMENT PLUG. HOYT CATLIN, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 26, 1920. Serial No. 368,953. 1 Claim. (Cl. 173-359.)

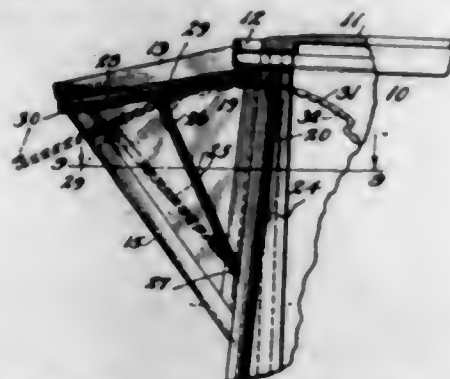
In an attachment plug, an insulating button forming a finger grip externally shouldered to afford a non-rotating abutting engagement with a screw shell freely sleeved

over one end of the button, said button being pierced to afford an entry channel and strain relief knot chamber for a wire cable, countersunk ledges formed in the inner face of said button and extending substantially at right angles to the axis of the plug and on opposite sides of said strain relief chamber, wire terminal plates seated on said ledges, means carried by the button for securing said terminal plates on said ledges, said button being recessed beneath said plates to form wells, binding screws passing through said plates into said wells, a laterally



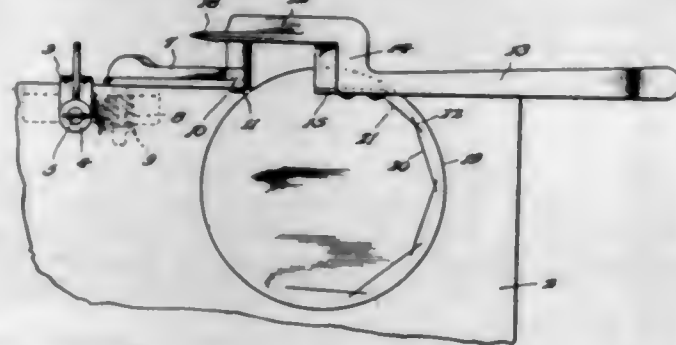
projecting offset lug from one of said plates adapted to frictionally engage the screw shell sleeved upon the button, a lug projecting from the other terminal plate toward the entering end of the plug and having an offset free end tapped to receive a securing screw, together with an insulating disc at the entering end for the plug, a screw shell carried thereby, and a center contact screw passing through the disc and engaging the tapped free end of said offset terminal lug, to hold the plug contacts assembled and in electrical connection with the conductors on the button.

1,517,954. AUTOMOBILE VISOR AND AUXILIARY SHIELD. LEONARD CHARBONNEAU, Ogdensburg, N. Y. Filed Aug. 21, 1923. Serial No. 638,585. 8 Claims. (Cl. 296-75.)



1. In a device of the class described, a downwardly inclined visor, a shield member pivoted to swing outwardly beneath said visor, and a movable visor mounted upon the upper portion of the shield member for simultaneous adjustment therewith.

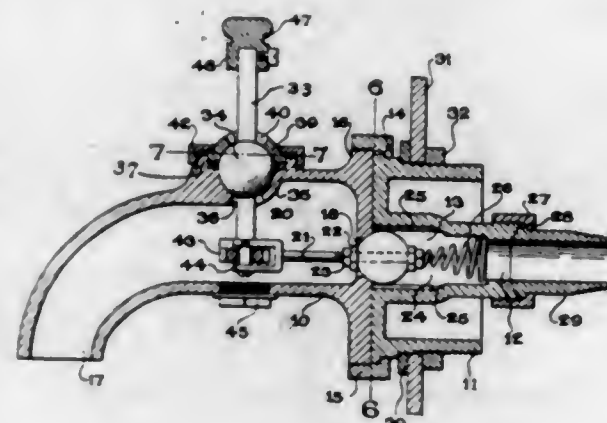
1,517,955. CAN OPENER. ROBERT CLARKSON, East St. Louis, Ill. Filed Mar. 12, 1924. Serial No. 698,690. 1 Claim. (Cl. 30-3.)



A can opener comprising a standard, a handle member having a laterally offset end portion extending parallel with its greater length, a pin projecting from the side of the offset portion of the handle member adjacent the

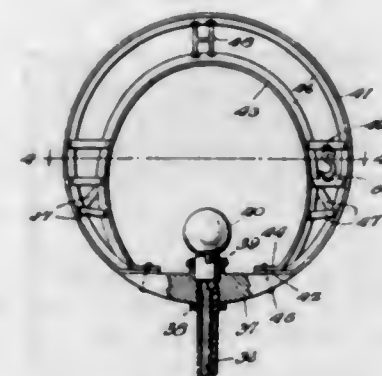
free end thereof to pivotally engage the standard, a blade secured rigidly to the side of the handle member at the base of the offset portion thereof, and a reduced flat-sided pry extending from the extremity of the offset portion.

1,517,956. FAUCET. OTTO L. COMPTON, Eatonville, Wash. Filed July 31, 1922. Serial No. 578,751. 1 Claim. (Cl. 277-20.)



The combination with a faucet having a pair of inlets and a reciprocating spring-pressed valve controlling each of the inlets, of a rotatable and oscillatory operating element mounted in the faucet and having its lower end disposed within the same, and a link fixed to the lower end of the operating element and having its ends pivotally connected with the valves, the valves being moved to open position independently upon rotation of the operating element, and simultaneously moved to open position upon oscillating the operating element in one direction.

1,517,957. SIGN. SAMUEL T. CORBITT, Enid, Okla. Filed June 2, 1923. Serial No. 642,939. 4 Claims. (Cl. 40-145.)



1. A sign including a block, split eccentrically disposed rings secured at their ends to the block, the rings being provided with means to receive sign characters in the space between the outer periphery of one ring and the inner periphery of the other, and a post mounting the block.

1,517,958. ADVERTISING DEVICE. D. L. CORTHELL, St. Joseph, Mo. Filed Nov. 15, 1923. Serial No. 674,879. 2 Claims. (Cl. 46-37.)

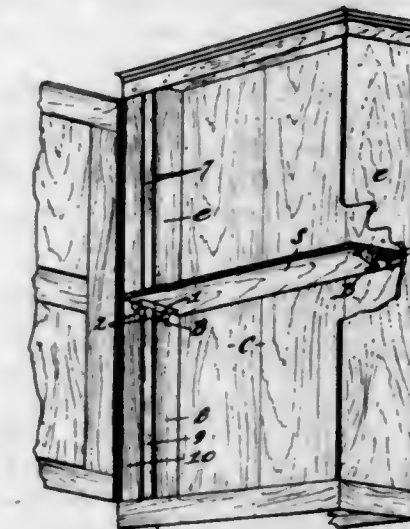
1. A flag raising device comprising hingedly connected members, an elastic member having one of its ends anchored to one of said hingedly connected members adjacent its lower end, a flag having its lower end connected to the upper end of the elastic member, a cord connected to the upper end of the flag, said cord extending upwardly through an eye adjacent the upper end of

one of the hingedly connected members, thence downwardly and through an eye adjacent the lower end of



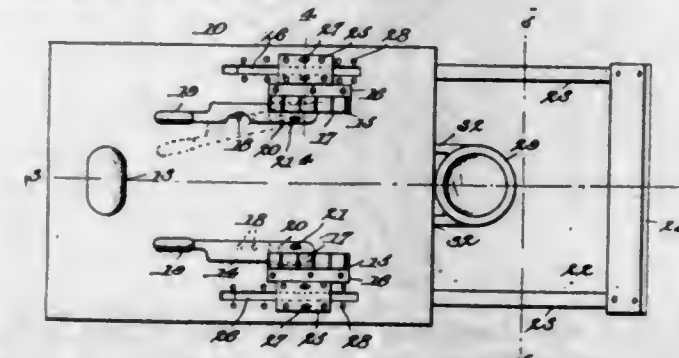
said last named section, the end of said cord being anchored to the other hingedly connected member adjacent its free end.

1,517,959. SHELF BRACKET. RAY B. COX, Berkeley, Calif. Filed July 27, 1922. Serial No. 577,966. 2 Claims. (Cl. 248-18.)



1. A shelf bracket comprising a unitary structure formed of sheet metal and provided with an elongated ledge for receiving the end of a shelf, a plurality of abutments bent upwardly from the rear side of said ledge for engagement with the end of the shelf, and a pair of vertically disposed webs depending from said ledge and having right angularly bent extensions thereon with prongs adapted to be projected into the shelf support for retaining the bracket in adjusted positions.

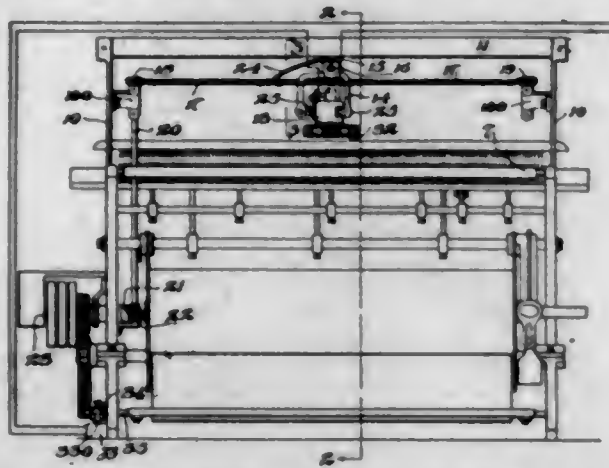
1,517,960. MATERNITY BED. FRANK A. N. CUCCIA, Brooklyn, N. Y. Filed Sept. 10, 1923. Serial No. 661,981. 3 Claims. (Cl. 45-50.)



2. A maternity bed comprising in combination a substantially horizontal, elongated body-supporting structure having attached thereto a head-rest, shoulder braces

each having longitudinal and lateral adjustments with respect to said structure, selective grab-handles, and an adjustable foot-rest, all arranged in suitable relative positions for simultaneous use by the occupant.

1,517,961. PNEUMATIC LINT CLEARER FOR WARPING MACHINES. MARSHALL F. CUMMINGS, Nashua, N. H., and NATHAN G. LAPHAM, Chelmsford, Mass., assignors to T. C. Entwistle Company, Lowell, Mass., a Corporation of Massachusetts. Filed Mar. 1, 1924. Serial No. 696,188. 4 Claims. (Cl. 28-22.)



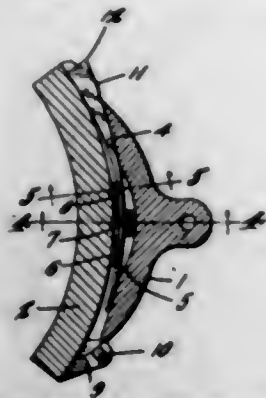
1. The combination with means for guiding and feeding a series of yarns or threads side by side, of a track extending transversely across the width of the said series, a blower mounted upon the said track and movable lengthwise of the latter, and means for moving the blower across the series of yarns or threads comprising a travelling endless cable or belt paralleling said track and operatively connected with the said blower, and supporting pulleys for said cable or belt located at opposite ends of the track.

1,517,962. STEEL MINE TIE. CHARLES S. DEAN, Fairmont, W. Va. Filed Feb. 25, 1924. Serial No. 695,041. 1 Claim. (Cl. 238-10.)



A tie formed of a single piece of channel iron having hooked ends to engage the base and web of rails, keepers pivotally mounted on said tie having portions to engage the base and web of rails, said keepers being reversible for securing a jumper rail in position against one of the adjacent rails supported by said tie.

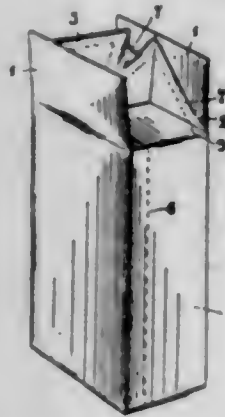
1,517,963. BRAKE SHOE. WILLIAM S. DODSON, Springfield, Mo. Filed Apr. 28, 1924. Serial No. 709,598. 1 Claim. (Cl. 188-243.)



A brake shoe comprising a support and a shoe, a pin carrying projection at one end of the shoe and hook-shaped lugs at the other end of the shoe, a support having forked ends for engaging the projection on the

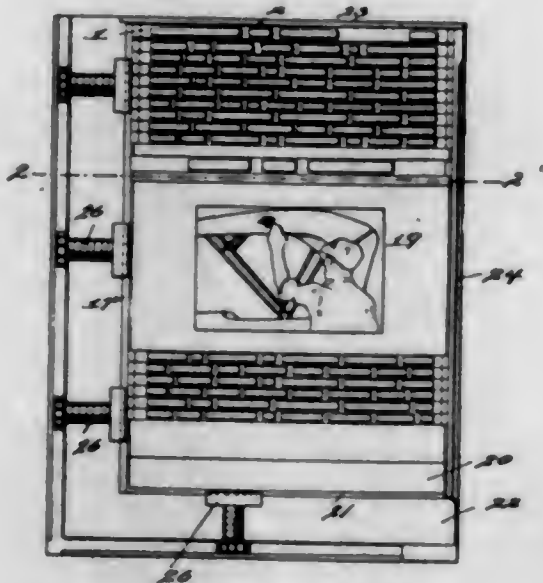
lugs and said support having a longitudinally extending groove with pieces bridging the groove, an eye on the shoe for entering the groove between the bridge pieces and a spring key adapted to be passed through the groove and under the bridge pieces and through the eye.

1,517,964. FOLDING BOX OR RECEPTACLE. HENRY DRYSDALE, London, England, assignor to International Cartons Limited, Leyton, Essex, England, a Company of Great Britain. Filed Apr. 4, 1922. Serial No. 549,638. 1 Claim. (Cl. 229-14.)



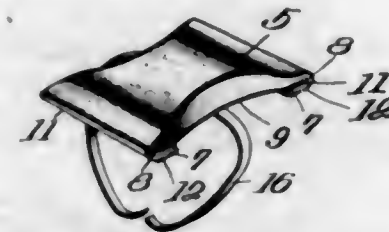
A carton comprising a rectangular box shaped body portion and marginal flaps thereon divided longitudinally into separate flaps at one or both ends and an inner uncut lining cuff permanently attached to the body portion and two opposite flaps along the whole surface thereof, and to the two other flaps along triangular surfaces having their base in the base of these flaps whereby by turning in the pair of opposite flaps having the lining portions wholly attached thereto the unattached parts of the lining on the two other flaps are folded inwardly substantially as and for the purpose set forth.

1,517,965. TYPOGRAPHY. HOWARD A. DUDLEY, Hagerstown, Md. Filed Dec. 29, 1922. Serial No. 606,702. 2 Claims. (Cl. 101-382.)



1. A holder for a composed printing surface made up of a plurality of printing elements, comprising a flat backing against which the bottoms of the printing elements are adapted to rest flatwise throughout their lengths, and intumed retaining flanges along the opposite edges of the backing beneath which the ends of the printing elements project, and means located wholly below the plane of the printing faces of the printing elements in the holder for confining said elements in composed relation.

1,517,966. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, Versailles, Pa., assignor to Central Railway Signal Company, Boston, Mass., a Corporation of New Jersey. Filed July 23, 1923. Serial No. 653,165. 10 Claims. (Cl. 246-487.)



1. The combination with a torpedo case having extended ends, of a clip extending longitudinally of the case and located under the case, said clip having channels with open outer ends, and the said extended ends doubled under and embraced by the said channels.

1,517,967. SLED BRAKE. GEORGE F. EDMONDS, Leavenworth, Kans. Filed May 31, 1922. Serial No. 564,887. 7 Claims. (Cl. 188-8.)

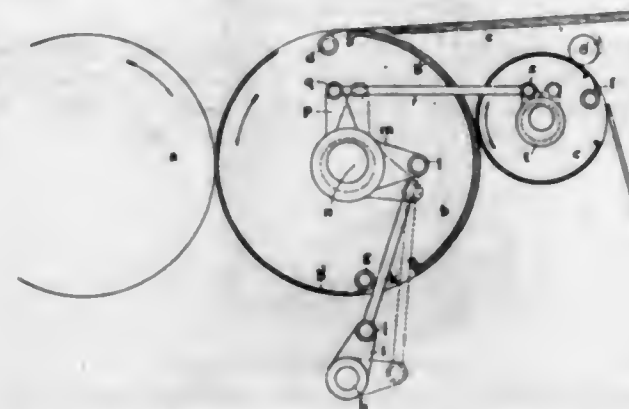


1. The combination with a sled, of a brake element pivoted beneath the sled and adapted to be arranged in a horizontal position when not in use, a latch element slidable longitudinally of the sled body and having an offset extremity arranged to engage the brake element to hold it in an inactive position, and means for automatically swinging the brake element to an active position to contact the ground incident to its release.

1,517,968. CRACKING AND OXIDIZING PETROLEUM OIL TO MAKE GASOLINE AND USEFUL PRODUCTS OF OXIDATION. CARLETON ELLIS, Montclair, N. J. Filed Jan. 3, 1922. Serial No. 526,655. 14 Claims. (Cl. 200-138.)

1. The process of cracking and oxidizing petroleum oil which comprises subjecting a volatilizable oil boiling below 300° C. to the action of a desulphurizing agent to remove sulphur, exposing the oil to a cracking temperature, incorporating air with the cracked products and heating to a temperature below a low red heat but of a degree sufficient to bring about oxidation; the amount of air employed being substantially less than that required for complete oxidation of the hydrocarbons present.

1,517,969. DIRECT AND OFFSET LITHOGRAPHIC ROTARY MACHINE. ARTHUR BURROUGHS EVANS, Chapelton, Leeds, and RAYMOND PERCIVAL PAYNE, Leeds, England. Filed Aug. 28, 1922. Serial No. 584,905. 4 Claims. (Cl. 101-218.)



1. A lithographic rotary machine for offset printing upon sheets of paper, comprising in combination a design cylinder, a delivery and auxiliary impression cylinder,

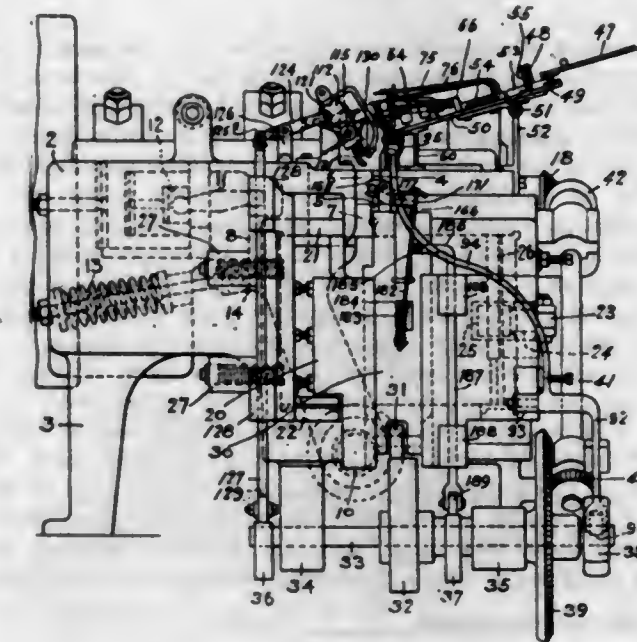
an offset cylinder disposed between said design cylinder and said delivery and auxiliary impression cylinder, an offset surface upon said offset cylinder, a sheet receiving surface upon said offset cylinder, a series of grippers disposed upon said offset cylinder in advance of said sheet receiving surface, a feed board co-operating with the offset cylinder and from which said grippers take a sheet and carry it round upon said sheet receiving surface to said delivery and auxiliary impression cylinder, and a series of grippers upon said delivery and auxiliary impression cylinder adapted to receive the sheet from the series of grippers upon said offset cylinder and to carry the sheet round upon said delivery and auxiliary impression cylinder for one revolution thereof before delivery of the sheet.

1,517,970. TYPE MATRIX. RICHARD EVANS, Highland Park, Ill. Filed July 16, 1923. Serial No. 651,902. 8 Claims. (Cl. 101-401.2.)



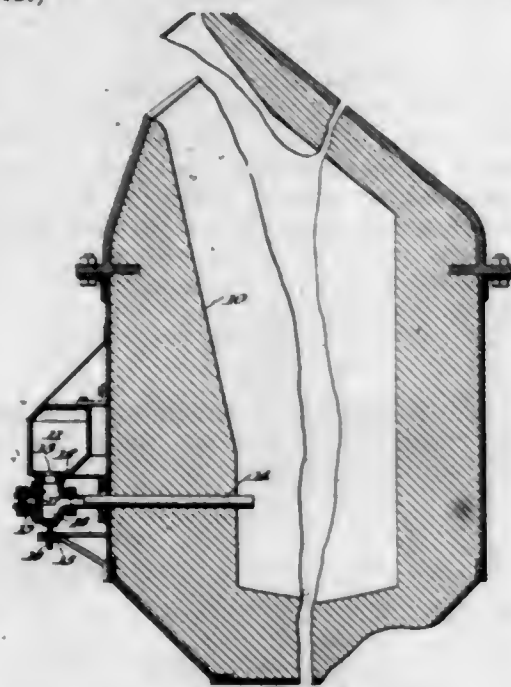
1. As a new article of manufacture, a type bar having a character embossed on one end and the same character engraved in the opposite end, said bar having edge portions extended along two sides at the engraved end, one of said extensions being longer than the other.

1,517,971. BOLT-HEADING MACHINE. CHARLES FASINOWA, Carrick, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 7, 1923. Serial No. 661,425. 8 Claims. (Cl. 10-15.)



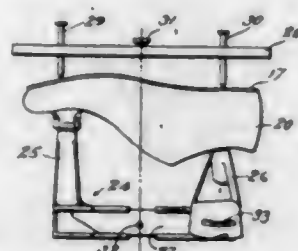
2. A forging machine comprising a plurality of sets of co-operating dies, gripper mechanism for presenting blanks to said sets of dies successively, a feed table, and a carrier for receiving blanks from said feed table and for delivering said blanks to said gripper mechanism.

1,517,972. TUYÈRE FOR CONVERTERS OR THE LIKE. PRA ALEXANDER FAUST, Miami, Ariz. Filed May 5, 1924. Serial No. 711,271. 14 Claims. (Cl. 266-41.)



1. In combination with a tuyère provided with means affording entry therethrough of a punching tool, means closable upon the shank of the tool to prevent escape of fluid from the tuyère when the tool is inserted.

1,517,973. METHOD OF ASSEMBLING. MARK E. FERNALD, Southboro, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Sept. 13, 1922. Serial No. 587,939. 5 Claims. (Cl. 12-142.)



1. In the process of making shoes by automatic machinery in which the relative traverse of the work on a jack and the tool is controlled by a sole-shaped leader having a guiding contour shaped as a counterpart of the edge of the insole to be incorporated in the shoe, the method of assembling the shoe with the periphery of its insole in vertical registry with said guiding contour of said leader which comprises; mounting the leader in the machine with the center of an arbitrarily selected longitudinal datum line in registry with a jack locating device on the leader support; locating an insole on a last by registering longitudinal datum lines of the insole and bottom of the last with each other, said lines being selected in the same manner as said leader datum line is selected; locating the last on a jack with the center of the longitudinal datum line of the last in registry with a jack locating device on the jack; and finally engaging said two jack locating devices whereby the insole is brought into superposed relation to the leader.

1,517,974. PIE-PLATE LIFTER. PATRICK J. FINLAN, Austin, Oreg. Filed Jan. 8, 1924. Serial No. 685,003. 1 Claim. (Cl. 294-30.)

A pie plate lifter comprising an elongated handle member, a U-shaped frame, integral arms carried by said U-shaped frame, said arms terminating in angularly disposed integral portions extending transversely through

the handle member, the ends of said angularly disposed integral portions terminating in eyes on one side of the handle member, a second U-shaped frame, arms carried



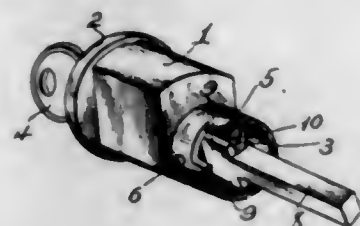
by the second U-shaped frame and terminating eyes, said eyes being pivotally connected by the eyes carried by the ends of the angularly disposed integral portions.

1,517,975. FONT DISTRIBUTOR FOR TYPOGRAPHICAL MACHINES. HERMAN R. FREUND, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 25, 1923. Serial No. 641,472. 14 Claims. (Cl. 109-40.)



1. In a typographical machine, a distributor for separating, according to font, matrices having aligned grooves extending longitudinally across the upper and lower lugs at one edge thereof, comprising a rail to engage the grooved lugs and thereby suspend therefrom matrices of one font while travelling in a vertically edgewise position and to permit passage without engagement therewith of matrices having ungrooved lugs and belonging to another font.

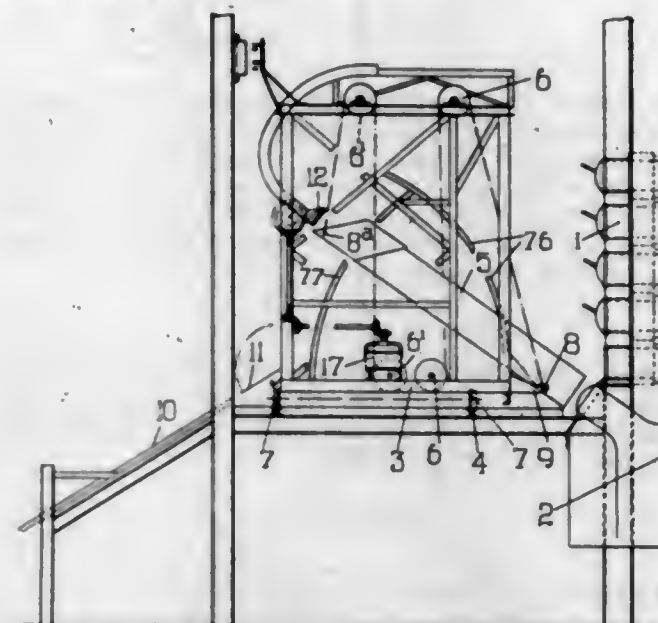
1,517,976. LOCK. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 15, 1922. Serial No. 581,969. 4 Claims. (Cl. 70-46.)



1. The combination with the casing and plug of a cylinder lock, of a hollow member secured to said plug and provided with a single inwardly projecting lug, a

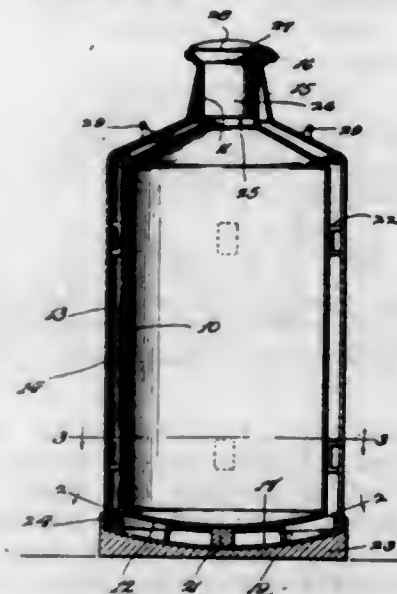
spindle entering said hollow member and having means within said member and in the path of movement of said inwardly projecting lug on said hollow member whereby a partial rotation of the spindle may be effected during a complete rotation of the plug.

1,517,977. APPARATUS FOR CHARGING FURNACES OF GAS RETORTS AND THE LIKE. RALPH E. GIBSON and HERBERT NICOLL, Liverpool, England. Filed Aug. 2, 1923. Serial No. 655,380. 18 Claims. (Cl. 214-18.)



1. An apparatus for handling incandescent coke discharged from carbonizing chambers arranged in superposed tiers, comprising a tube adapted to receive the coke on its discharge and mounted on a carriage travelling along in front of the carbonizing chambers; hoisting means whereby either of the ends of the tube may be raised or lowered to discharge the coke by gravity from either end of the tube and means for mechanically applying pressure to the back of the charge of coke in the tube to supplement the gravity-discharge from the front end of the tube when feeding the producers under a bench of carbonizing chambers.

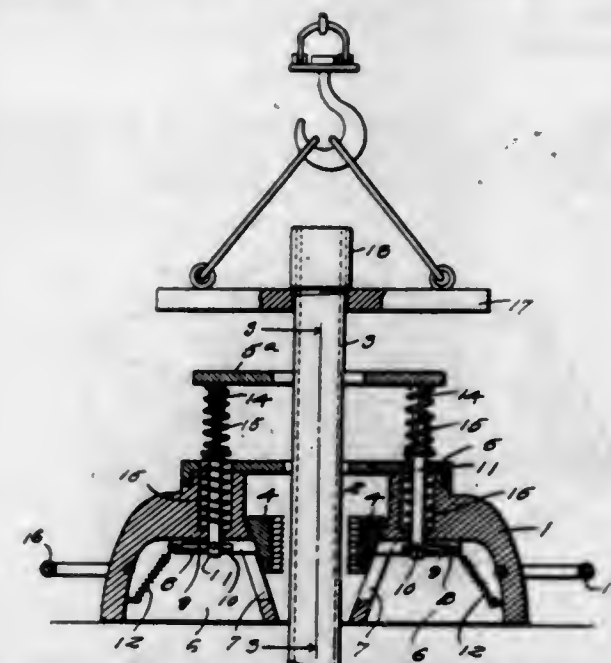
1,517,978. JACKETED CAN. BARNEY J. GIESE, Oconto, Wis. Filed Sept. 8, 1922. Serial No. 586,927. 1 Claim. (Cl. 220-9.)



A container of the class described comprising an inner vessel having an outwardly convex bottom integral therewith and a reduced neck terminating in a flared mouth, an open bottomed jacket having a body surrounding the inner vessel and having a tapered neck terminating in

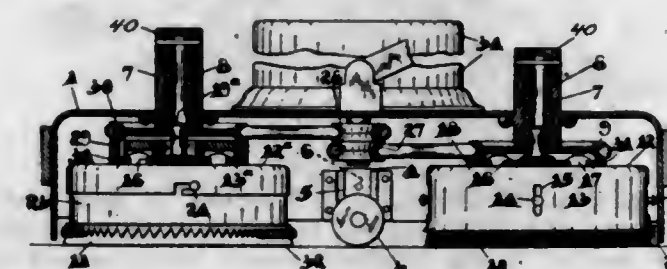
a flared mouth fitting closely around the flared mouth of the inner vessel, the edge of the mouth of the inner vessel being doubled over the edge of the mouth of the jacket constituting a seal, a convex bottom securely attached to the bottom edge of said body, said body and jacket bottom being uniformly spaced from the corresponding parts of said inner vessel, spacing members secured between the vessel and the jacket, a stopper fitting tightly in the neck of the inner vessel and provided with an enlarged head filling the flared mouth thereof, handles adjacent the neck of the jacket, and a solid foundation having a flange tightly gripping said bottom edge of the body and forming a close fitting seat for said jacket bottom, said foundation having a flat bottom face upon which the container is adapted to stand upright.

1,517,979. RING AND SLIP. HOLLY G. GREATHOUSE, Dawes, W. Va. Filed Dec. 29, 1923. Serial No. 683,410. 3 Claims. (Cl. 24-263.)



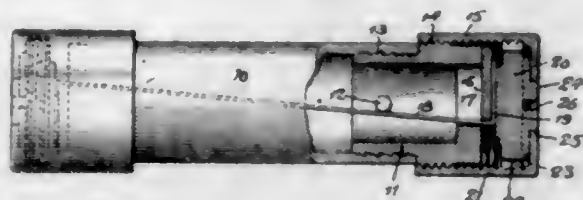
1. In an appliance of the character specified, a head provided with an upwardly flared opening having recesses at the sides of the flared opening, slips within the flared opening having arms projecting into the said recesses, springs in conjunctive relation with the slips to normally hold them in inactive position, a ring, connecting means between the ring and slips, and a second set of springs normally holding the ring elevated and lifting the slips against the tension of the springs in cooperative relation therewith.

1,517,980. FLOOR WAXING AND POLISHING APPARATUS. PHOEBE A. GREEN and ANDREW W. GREEN, Toronto, Ontario, Canada; said Phoebe A. Green assignor to said Andrew W. Green. Filed Jan. 29, 1923. Serial No. 615,581. 17 Claims. (Cl. 91-37.)



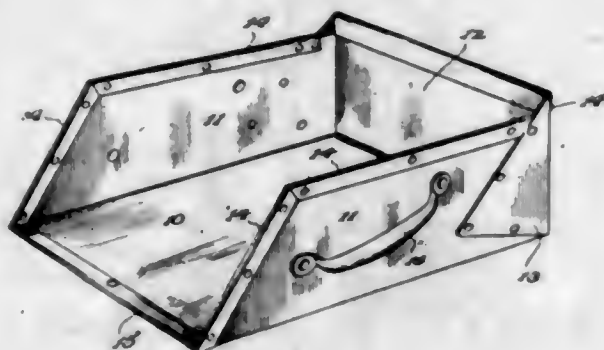
1. A floor finishing tool including a rotatable carrier having a depending rim; a brush received within the rim; and pin and slot driving connections between the rim and the brush the said pin and slot connections also being adapted to permit the brush to rock relative to the carrier.

1,517,981. FUSE. ARCHIBALD GRIEVE, Westport, Conn., assignor to Charles E. Kemper, Inc., Westport, Conn., a Corporation of Connecticut. Filed May 5, 1921. Serial No. 467,027. 7 Claims. (Cl. 200—132.)



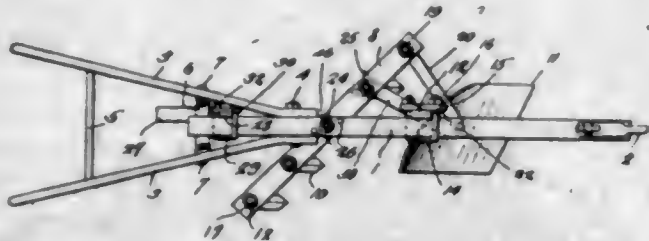
1. A cartridge fuse having a detachable ferrule with end closure diaphragm apertured on the axis of the ferrule to afford a gas vent, a button detachably held within said ferrule and obstructing direct escape of gas from the fuse chamber to said vent, but affording an extended gas escape passage leading to said vent said button having on its outer face a boss partially obstructing the vent aperture in the end closure diaphragm of the ferrule.

1,517,982. ICE CARRIER. REGINALD E. GRIFFITHS and WILLARD G. SMITH, New York, N. Y. Filed Feb. 9, 1923. Serial No. 618,086. 1 Claim. (Cl. 220—1.)



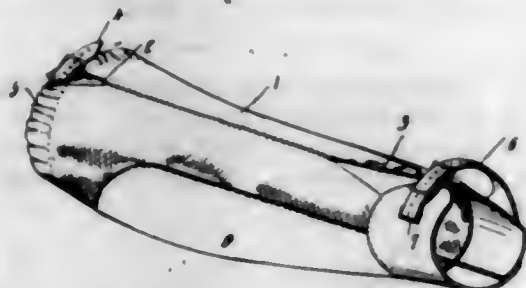
An ice carrier comprising a body having bottom, back and side walls, the front and top being open to accommodate a block of ice, and handles secured upon the side walls and inclined in the longitudinal direction thereof with their middle portion in advance of the center of gravity of the body whereby, when the handles are held in horizontal position, the body will be normally tilted rearwardly to retain the ice.

1,517,983. HARROW SCRAPER. FREELAND THEODORE GRISHAM, Tillar, Ark. Filed July 26, 1923. Serial No. 653,961. 2 Claims. (Cl. 97—2.)



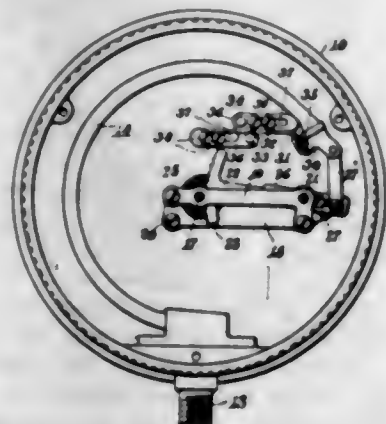
1. In a device of the class described, a plow frame comprising angularly disposed main and auxiliary beams, teeth carried by the auxiliary beams, teeth carried by the auxiliary beam, the teeth comprising shanks; one shank being extended through both beams, and another shank being extended through the auxiliary beam, a share located in advance of the teeth, a standard carrying the share, means for connecting the standard with the main beam, and a brace for the share, the rear end of the brace being mounted on said other shank.

1,517,984. COMBINED WRIST STRAP AND SLEEVE PROTECTOR. OLE G. HARVEY, Hardy, Iowa. Filed Mar. 3, 1923. Serial No. 622,560. 1 Claim. (Cl. 2—59.)



An article of the character specified comprising a sleeve of textile material, a relatively wide wrist strap at the lower end of the sleeve adapted to be wrapped about the wrist to strengthen the same and to secure the sleeve in place, and an elongated leather reinforcement on the lower side of the sleeve extending longitudinally from the wrist strap.

1,517,985. PRESSURE GAUGE. FRANK H. HASKELL, Boston, Mass., assignor to George H. Musgrave, Arlington, Mass. Filed Feb. 18, 1924. Serial No. 693,468. 8 Claims. (Cl. 73—109.)



5. The combination in a gauge provided with an indicating mechanism; an arcuate tubular spring adapted to be actuated by pressure delivered thereto; operative connections between said mechanism and spring; an arm secured to the free end of said tubular spring and extending inwardly therefrom; and two rigid posts with which the sides of said arm are adapted to contact after a predetermined movement in either direction, said posts being adjustably mounted on the inner face of the back of the gauge casing.

1,517,986. COMBINATION TOOL. HARRY E. HAYWARD, St. Petersburg, Fla. Filed Aug. 14, 1922. Serial No. 581,794. 3 Claims. (Cl. 7—13.)



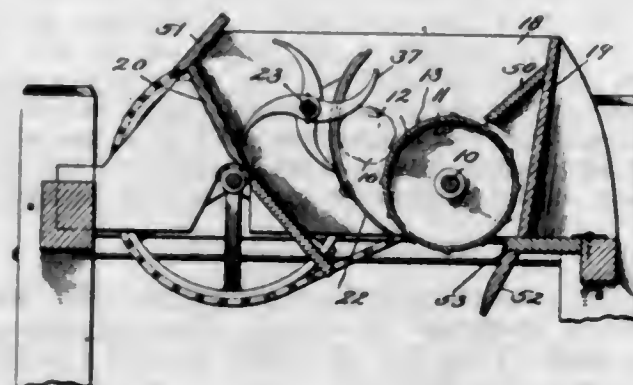
1. A tool comprising a blade having one longitudinal edge provided with a straight marking surface, a handle secured to one end of the blade and having one longitudinal edge thereof flush with the marking edge of the blade and its forward transverse edges at right angles to the marking edge of the blade, the opposite faces of the handle being provided with degree lines extending at an angle of 45° to the straight marking edges of the blade and handle and a bevel marking blade pivotally associated with the handle and adapted to be swung to alignment with either one of said degree lines.

1,517,987. FLOOR-JOIST-BORING MACHINE. ROBERT HALSEY HENDERSON, East Orange, N. J. Filed Mar. 2, 1923. Serial No. 622,242. 3 Claims. (Cl. 144—105.)



1. In a device of the kind described, a carrying standard having axially aligned bearing means at its upper and lower end, sprocket wheels respectively journaled in said bearing means, an endless drive chain running over said sprocket wheels, all whereby said standard, sprocket wheels and chain occupy a common plane, means for coupling an auger bit in driven relation to said lower sprocket wheel, a transverse supporting foot bar vertically adjustable on said carrying standard above said lower bearing means, means for locking said foot bar in desired adjusted upwardly spaced and longitudinally parallel relation to said auger bit, and said carrying standard having a rearwardly projecting hand grip member intermediate its upper and lower ends offset from the plane of said standard, sprocket wheels and chain.

1,517,988. APPLE-GRATING MACHINE. ISRAEL Z. HERTZLER, Belleville, Pa. Filed Jan. 28, 1924. Serial No. 689,105. 6 Claims. (Cl. 146—173.)



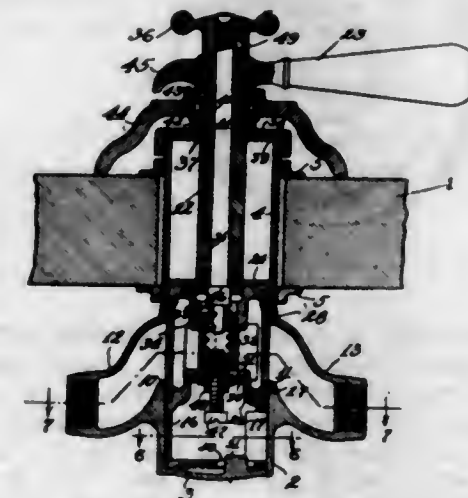
1. An apple grater comprising a downwardly convergent feedway, a rotatable drum the surface of which forms the wall of said feedway provided with abrading means engageable with the apple, a concave constituting the opposite wall of said feedway, a shaft upon which said concave is swingably mounted, force feed mechanism carried by said shaft in operative relation to said feedway and means for rotating said shaft.

1,517,989. FINGERING MECHANISM OF SAXOPHONES. ROGER MILLS HICKMAN, Petersburg, Tenn. Filed May 12, 1921. Serial No. 469,049. 1 Claim. (Cl. 84—385.)



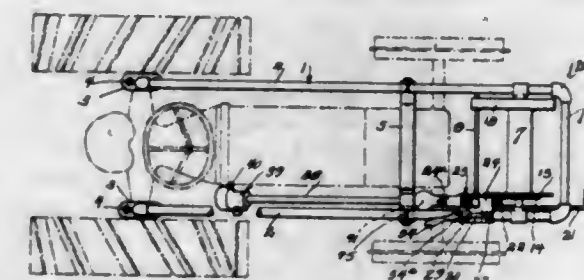
A saxophone fingering mechanism consisting of a bar extending parallel to the body of a saxophone; four covers aligned parallel to said body with extensions to connect with said bar at right angles; three arms extending parallel to said body, the upper ends being suspended from said bar and having contact with extensions on said covers while the lower ends are rigidly connected with the three covers which are operated with the first three fingers of the right hand.

1,517,990. MIXING VALVE. WALTER F. HINKLE, Chicago, Ill., assignor to Bencke & Kropf Manufacturing Company, a Corporation of Illinois. Filed July 3, 1922. Serial No. 572,470. 19 Claims. (Cl. 277—11.)



17. In a plumbing fixture, means for mixing hot and cold water, means concentric with said first mentioned means adapted to regulate the rate of flow of said water independent of said mixing means, and adjustable means limiting the maximum rate of flow of said water.

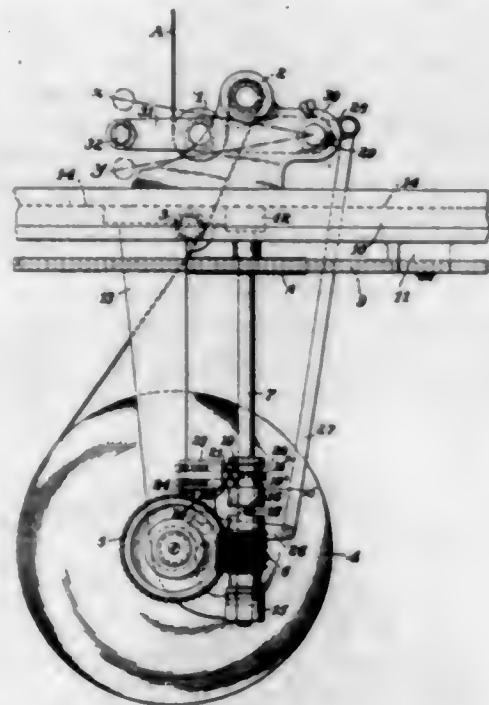
1,517,991. WINCH. COY CLAUDE HOGG, Pleasantville, Pa. Filed Aug. 28, 1922. Serial No. 584,926. 3 Claims. (Cl. 264—166.)



1. In an apparatus of the character described, a rectangular frame adapted to fit about a tractor and to extend forwardly beyond the tractor, the forward ends of the side bars of the frame being detachably secured together, T-members fitting about said side bars, means for detachably securing said members on the bars, a shaft

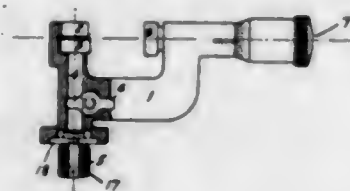
having its ends seated in the T-members, a drum rotatably mounted on the shaft, and means for establishing driving connections between the drum and the engine of a tractor upon which the frame is mounted.

1,517,992. TAKE-UP MECHANISM FOR KNITTING MACHINES. KENNETH HOWE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Sept. 17, 1921. Serial No. 301,255. 9 Claims. (Cl. 66-9.)



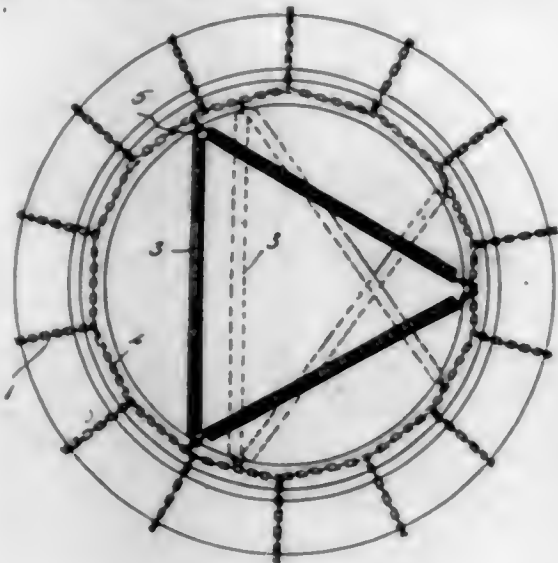
1. In combination in a take-up mechanism for knitting machines, a fabric winding take-up roll, a worm and worm wheel for driving the said roll, a drive shaft, a clutch for connecting the worm with the drive shaft, a lever pivoted to the frame and controlling the clutch, a gravitating member suspended in a loop of the fabric on its way to said roll and a connection extending from the gravitating member to said lever by which the up and down movements of said gravitating member will operate the said lever, said lever carrying a pair of spring plungers, and a member of said clutch having a cam portion to ride on one of said plungers for lifting the clutch and having also a collar to receive the other spring plunger by which the clutch member will be held out of action, substantially as described.

1,517,993. CALIPER GAUGE. VICTOR TRODOR JULIN, Lidköping, Sweden. Filed July 8, 1919. Serial No. 309,498. 6 Claims. (Cl. 33-164.)



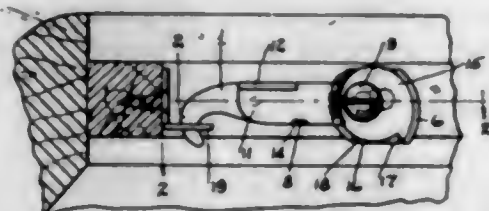
1. In combination in a gauge, a frame having two legs, a shaft rotatably mounted in one of said legs, two tolerance anvils mounted on and operable by said shaft, a micrometer screw mounted on the other leg, and a measuring anvil carried by said micrometer screw and co-operating with said tolerance anvils.

1,517,994. TIRE CHAIN. FRED W. KEGEL, Fargo, N. Dak. Filed Mar. 5, 1924. Serial No. 697,012. 1 Claim. (Cl. 152-14.)



A tire chain tightener comprising a plurality of coiled springs, hooks pivotally connected one at each end of the intermediate spring, each of said hooks being pivotally connected with the inner end of one of the terminal springs and a hook pivotally connected with the outer end of each terminal spring of the set of springs.

1,517,995. FASTENER. JACOB F. LANGENAU and RUDOLPH M. YEMNIER, Cleveland, Ohio, assignors to The Langenau Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 3, 1924. Serial No. 717,544. 2 Claims. (Cl. 292-240.)



1. A fastener comprising a latch arm and an actuating lever pivoted to a support, a hook formed at the forward end of said latch arm and an elongated slot adjacent its rearward end, a pair of cam shoulders of arch-shaped outline positioned adjacent the ends of said slot, a pair of cam faces formed on said actuating lever for co-operating with said shoulders to shift said latch arm transversely of said point of support, a radial shoulder at the end of one of said arch-shaped shoulders on said latch arm, and a second radial shoulder at the end of one of said cam faces on said actuating lever for co-operation with said first-named radial shoulder to raise said latch arm after the same has been shifted transversely of its point of support.

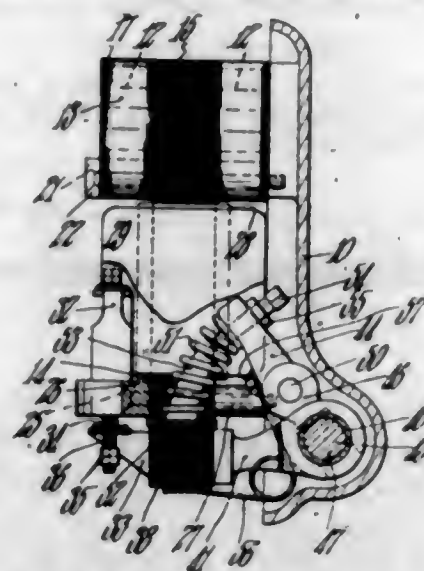
1,517,996. PAPER-COATING MATERIAL AND PROCESS OF MAKING. WILLIAM J. LAWRENCE, Kalamazoo, Mich. Filed Dec. 18, 1922. Serial No. 607,700. 9 Claims. (Cl. 134-18.)

9. A paper coating composition comprising calcium carbonate and aluminum hydroxide.

1,517,997. MAGNETO. TERENCE G. LOUIS, Springfield, Mass., assignor to Wico Electric Company, a Corporation of Massachusetts. Filed May 26, 1922. Serial No. 563,911. 15 Claims. (Cl. 122-149.)

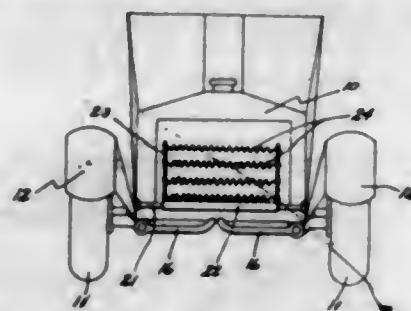
1. In a magneto, of the type wherein an armature moves into and out of engagement with magnetic poles,

means for seating the armature on its poles, driving means for moving the armature away from its poles after the magnetic hold on the latter has been broken,



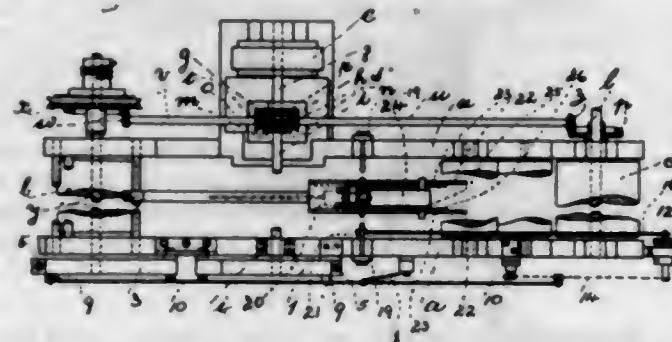
and an oscillatory lever movable relatively to the armature and operable periodically to break the magnetic hold on the armature.

1,517,998. SAFETY DEVICE FOR AUTOMOBILES. ROBERT E. MALECKE, New York, N. Y. Filed Mar. 25, 1924. Serial No. 701,672. 4 Claims. (Cl. 293-54.)



3. A combination of a fender and a safety seat comprising studs secured to the body of the vehicle, hollow bars slidable on the ends of said studs, fenders secured to the forward ends of said bars, springs wound on said studs and adapted to yieldably extend the fenders, a seat mounted about the fenders, studs extending from the rear corners of the seat, a U-shaped bracket rigid with the vehicle, arms on said bracket having slits therein, rods extending from said U-shaped bracket, the forward ends of said rods being engaged in channels in the seat, and means on said rods for yieldably extending the seat member.

1,517,999. PILE-CUTTING MACHINE. GEORGE ROGER, Warrington, and GEORGE ROGER, JR., Havannah, near Congleton, England. Filed Jan. 22, 1924. Serial No. 687,836. 2 Claims. (Cl. 26-10.)



1. In means whereby the movement of a power driven machine employed in the cutting of the pile of weft pile fabrics is controlled by the movement of a cutting knife therefor, a differential gear device in gear and shaft

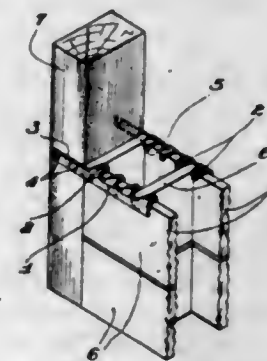
connection with the cloth-driving and drag rollers of the machine, and also in gear connection with the driving shaft therefor and with a controlled shaft on the opposite side of the gear to said driving shaft, a drum on said controlled shaft, a pivoted brake shoe capable of making and breaking contact with said drum, a cam device for operating said brake shoe, a movable member in pivotal connection with cam device, for operating the latter, and in operative connection with the knife holder, whereby movement of the latter will be transmitted to the cam device, for the purpose and in manner substantially as herein set forth.

1,518,000. WINDSHIELD-GLASS FASTENER. JOHN SCHAEFER, New York, N. Y. Filed Jan. 29, 1923. Serial No. 615,469. 3 Claims. (Cl. 20-56.4.)



1. A metallic windshield clamp having an outer end drilled to receive a bolt, a curved resilient middle portion and a curved inner end having a degree of curvature proportionate to the moulding strip with which it may be used, all as and for the purposes hereinbefore set forth.

1,518,001. BUCK ANCHOR. TAMIS C. SCHENK, Bridgeville, and PETER GOMBERT, Pittsburgh, Pa. Filed Nov. 28, 1923. Serial No. 677,405. 5 Claims. (Cl. 72-98.)

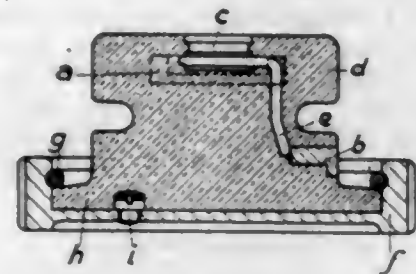


1. A buck anchor comprising a body of bendable material, a plurality of separated fingers spaced from one end of the body and projecting laterally therefrom adapted to lie between the superposed tiles, the extremities of the said fingers being bent so as to project into the same general plane as the said body.

1,518,002. DISTRIBUTOR FOR THE HIGH-VOLTAGE CURRENT OF MAGNETO-ELECTRIC IGNITION MACHINES. JACQUES SCHNEIDER and FREDERIC BILLON, Solothurn, and ERNST HURLIMANN, Zuchwil, Switzerland, assignors to the Firm "Scintilla," Solothurn, Switzerland. Filed Aug. 22, 1919. Serial No. 319,233. 1 Claim. (Cl. 200-19.)

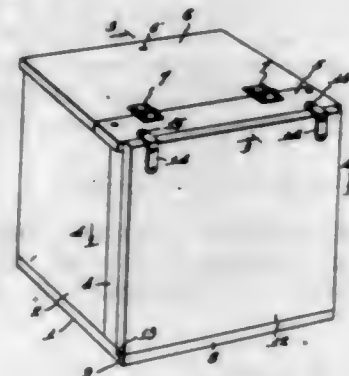
A distributor for the high voltage current of a magneto-electric machine including a toothed wheel of hollow form, a solid cylindrical body of insulating material projecting from one side only of said wheel and having a flange formed thereon fitting into the toothed wheel, means including a split spring ring coaxial with a groove formed in the hollow toothed wheel and the flange of the cylindrical body to prevent relative longitudinal movement of the wheel and the cylindrical body, means including a set pin for preventing relative rota-

tional movement of the toothed wheel and the cylindrical body, a contact stud embedded in the center of the outer end of the cylindrical body remote from the flange, two contact segments embedded in the curved



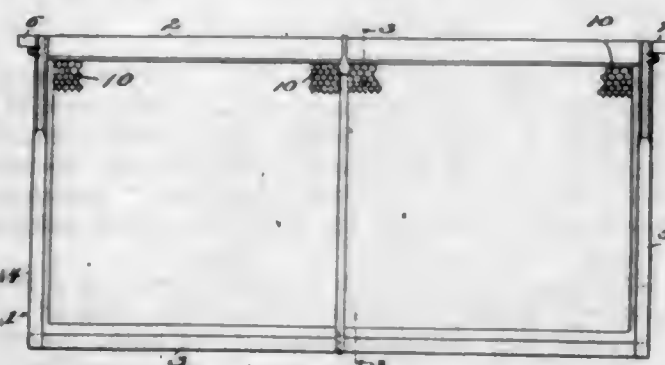
side of the cylindrical body and arranged in parallel planes perpendicular to the axis of the body, and electrical connecting means between said contact stud and said contact segments, said segments being relatively displaced on the circumference of the cylindrical body.

1,518,003. COMBINED SHIPPING, DISPLAY, AND ADVERTISING CASE. JOHN S. SCOTT, Gallina, N. Mex. Filed Mar. 26, 1924. Serial No. 702,085. 2 Claims. (Cl. 217-5.)



1. A device of the character described, comprising a box, a hinged top on the box, a pair of vertical posts at the front corners of the box, a transparent plate supported in grooves of the post, a shield adapted to be positioned in the box against the posts, a removable front member secured to the top of the box and having coupling engagement with the bottom of the box, cleats on the front member adapted to support advertising matter and the like and said front member adapted to be secured in upright position on the top of the box to display the advertising matter.

1,518,004. REINFORCING SPLINT FOR WAX FOUNDATIONS. WILLIAM SEBELIN, Camas, Mont. Filed Mar. 31, 1924. Serial No. 703,255. 8 Claims. (Cl. 6-10.)



4. A foundation support for use in a frame for holding honey-comb, comprising a pair of splints adapted to be positioned between the top and bottom bars of said frame to engage the opposite sides of a sheet of foundation held therein, means for embracing the top

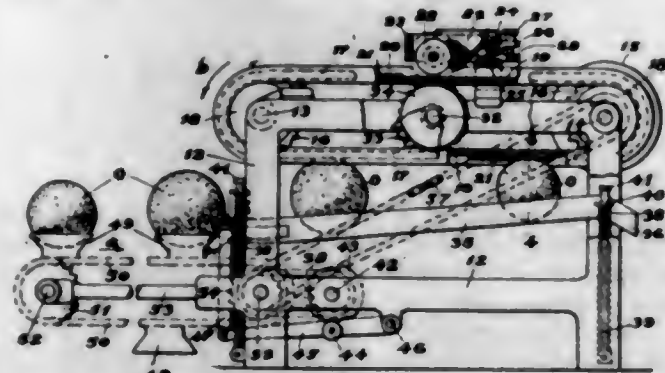
and sides of said top bar and connected at its opposite ends to the upper ends of said splints, and means for bridging said bottom bar and engaging the lower ends of said splints to hold them together.

1,518,005. FOLDING TABLE. MARIUS SERFAUSTINI, Paris, France. Filed Feb. 3, 1922. Serial No. 533,897. 3 Claims. (Cl. 45-113.)



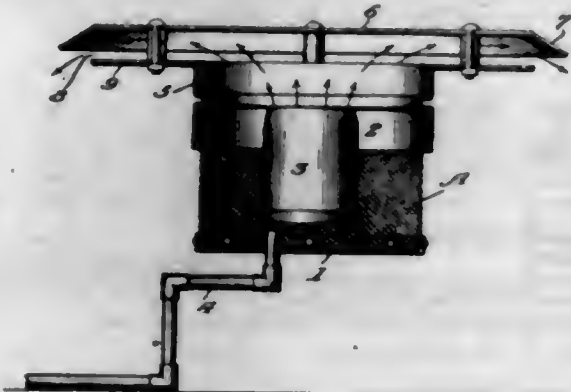
1. A folding table comprising two tray-like sections hinged together at their longitudinal edges to fold one upon the other to form a box, means for locking the sections in position, legs hinged to the sections to fold them into the same, means for locking the legs in the sections, two sets of hinged leaves, each set having a detachable interlocking engagement with one end of the sections, the leaves being adapted to be placed in a section when the sections are folded, a pair of rods slidably mounted in each section and adapted to be extended beyond the ends of the sections to support the said leaves, and locking means in the sections for securing the leaves and other articles in the sections.

1,518,006. METHOD OF MARKING FRUIT. FREDERICK J. SEVIGNE, Milford, N. H. Filed Jan. 17, 1922. Serial No. 529,962. Renewed Oct. 8, 1924. 2 Claims. (Cl. 101-40.)



1. The method of effecting markings which will be visible on a citrus fruit viewed from any direction, said method consisting in duplicating a mark on different circumferential surface portions of the fruit.

1,518,007. HEATER. HENRY M. SHEER, Quincy, Ill. Filed Jan. 19, 1924. Serial No. 687,355. 1 Claim. (Cl. 126-85.)



An article of the character described including a burner, a wire gauze screen surrounding the burner and having a closed sheet-metal bottom and a binding at the

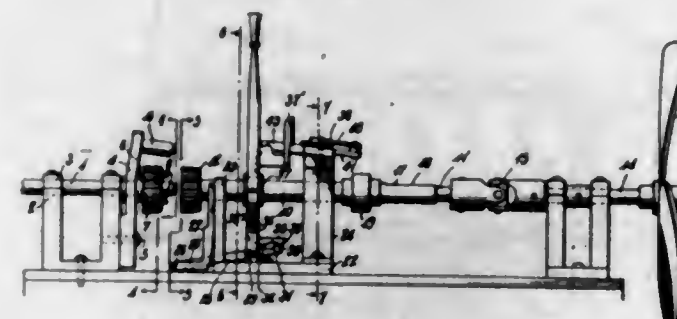
top, means for supporting the burner and screen, a drum having a circumferential bead on the inner surface thereof for removably supporting the drum on the binding of the screen, and a spreader connected with the drum.

1,518,008. PENCIL. ELMER S. SHIMER, Milton, Pa. Filed June 6, 1921. Serial No. 475,426. 1 Claim. (Cl. 120-18.)



As an article of manufacture, a mechanical pencil comprising a lead actuating pin having a neck or lug, a longitudinally bored lead-holding tube of uniform external diameter throughout its entire length except for a taper at one end and a recess or groove adjacent the taper, and in which tube the pin is slidably mounted, a helical slot milled in the tube at the opposite end from the recess or groove in which the neck or lug of the pin has a slidable adjustment, a longitudinally slotted housing tube of uniform internal diameter in which the lead-holding tube is inserted and rotatably supported throughout its length, a portion of the pin projecting into said longitudinal slot and adapted to be guided thereby, the end of said housing tube having a tapered edge adapted to be spun into the recess of said lead-holding tube for permanently engaging the two tubes, said housing tube being provided with an external shoulder and a casing functionally engaging the housing and abutting said shoulder.

1,518,009. POWER-TRANSMITTING MECHANISM. GEORGE SHMITT, Pittsburgh, Pa. Filed Nov. 24, 1923. Serial No. 676,777. 12 Claims. (Cl. 74-58.)

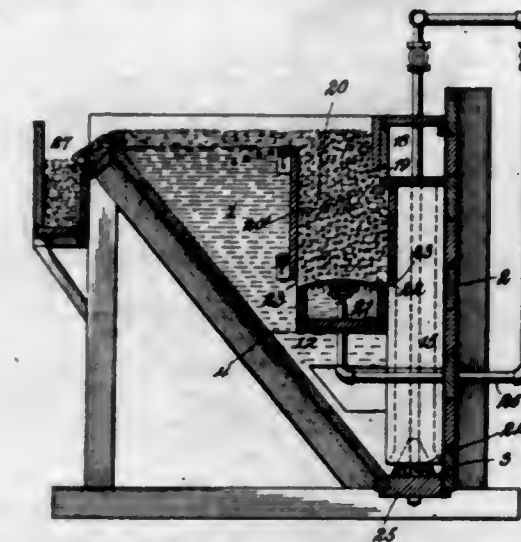


1. In a power transmission device, the combination with a driving shaft having a gear thereon, a driven shaft provided with a gear and adapted to be rotated by said drive shaft selectively in opposite directions, means for connecting said drive and driven shafts to rotate the driven shaft in one direction, a lever for disengaging said connection, mechanism operated by said lever when said shafts are disengaged for shifting said driven shaft out of line with the drive shaft, and instrumentalities operable upon a continued movement of said lever for moving said driven shaft forwardly until the gear thereon meshes with the gear on the drive shaft, said last mentioned instrumentalities including an arm adapted to be engaged by said lever, a link connected with the arm and a longitudinally movable yoke connected with said link and with said driven shaft.

1,518,010. PNEUMATIC FLOTATION CELL. GERALD R. SIMPSON, Kingman, Ariz. Filed May 4, 1920. Serial No. 378,758. 4 Claims. (Cl. 83-85.)

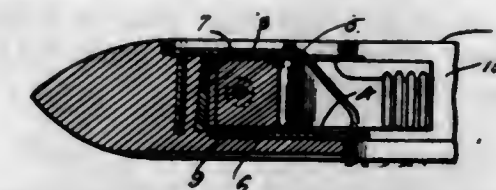
1. A flotation cell having a distributing box arranged therein, compartments arranged adjacent to the distrib-

ing box and having an air-mat interposed therebetween, an overflow baffle-board adjustable to vary the capacity and overflow level of the upper mat compartment, a



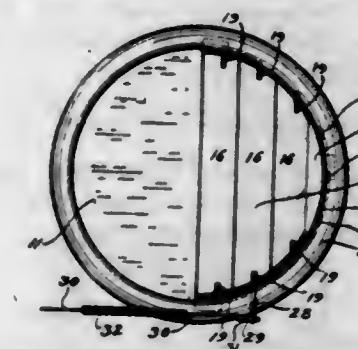
froth decanting compartment adjacent to the baffle board and receiving the overflow thereover, and means for supplying air to the air-mat.

1,518,011. WEAVING SHUTTLE. JOHN M. SLAUGHTER, Bridgeport, Ala., assignor to one-half to James H. Smith, Bridgeport, Ala. Filed Mar. 4, 1924. Serial No. 696,790. 3 Claims. (Cl. 139-207.)



1. A weaving shuttle having the usual recess at one end to receive the spring bobbin holder and in addition having said recess formed with an extension, a U-shaped element of wedge form in said extension, and a shim in said extension positioning said element.

1,518,012. HEADLIGHT. MELVIN ROBERT SMITH, Ridgefield, Conn. Filed Sept. 24, 1923. Serial No. 664,383. 2 Claims. (Cl. 240-45.2.)

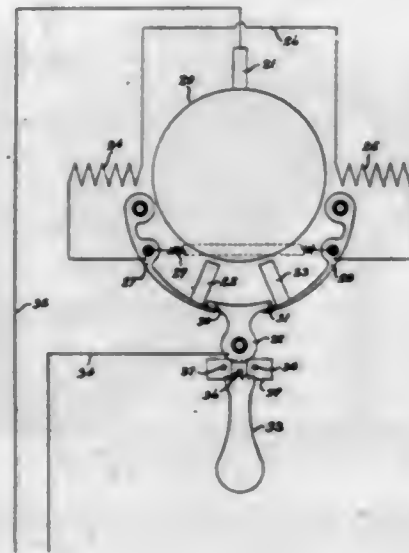


1. The combination with a headlight, of a deflector mounted in advance of the reflector thereof, said deflector including a semi-circular frame projecting forwardly of said headlight and arranged to fit one side thereof, adjustable vertical panels mounted in said frame and having pivots at the midwidths of their opposite ends, and mechanism for simultaneously and similarly manipulating said panels on their pivots.

1,518,013. ELECTRICAL APPARATUS. FRANK F. STARR, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 26, 1923. Serial No. 664,949. 4 Claims. (Cl. 172-179.)

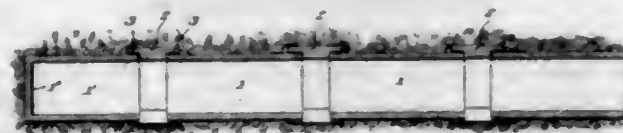
1. An electric motor comprising, in combination, a commutator, a field winding, movable brushes each con-

nected with one end of the field winding, line terminals, another brush for engaging the commutator and connected with one line terminal, and means operable to



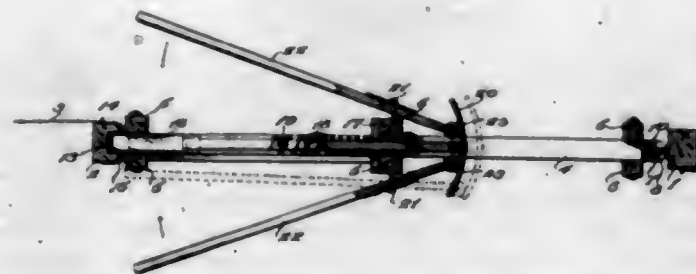
cause one of the movable brushes to engage the commutator and the other movable brush to be connected with the other line terminal and vice versa.

1,518,014. DRAINAGE SYSTEM. JOHN H. STEEN, Lexington, Miss. Filed Mar. 2, 1923. Serial No. 622,341. 2 Claims. (Cl. 61-10.)



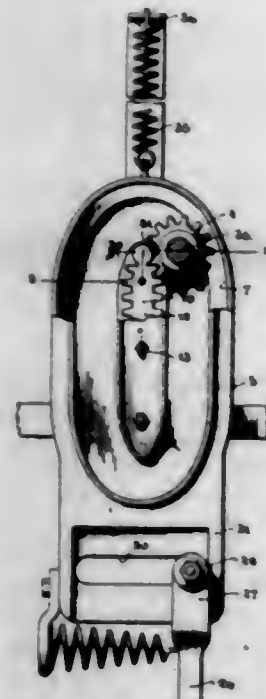
1. A drainage system comprising a plurality of tubular members and a coupling sleeve for connecting each pair of members together, said sleeve having an opening in its bottom part which extends entirely through the sleeve with the rest of the sleeve imperforate and means for sealing the joints between the sleeve and tubular member to cause the water to pass upwardly through the opening in the sleeve into the system.

1,518,015. GATE. ELMER STINEBAKER, Chambersburg, Ill. Filed Feb. 16, 1923. Serial No. 619,435. 2 Claims. (Cl. 292-165.)



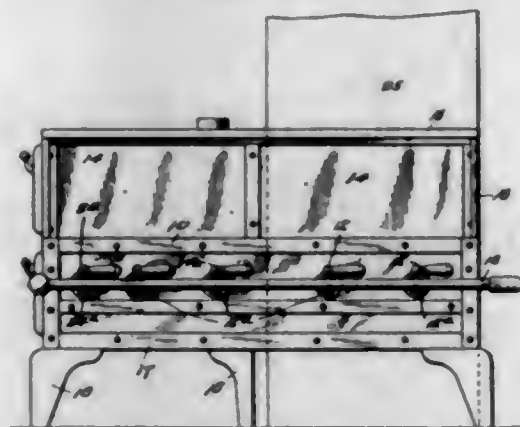
1. In a gate, the combination of a latch post, a swingable gate mounted adjacent the post, a slidable latch bar mounted upon the gate, yieldable means holding the outer end of the latch bar normally in engagement with the latch post, a laterally projecting cam plate on the inner end of the latch, and an operating member mounted upon the side of the gate body and riding upon the cam plate whereby pressure thereon will withdraw the latch.

1,518,016. WINDMILL GEARING. JAMES FRANKLIN STRUBLE, Hutchinson, Kans. Filed Sept. 15, 1922. Serial No. 588,366. 3 Claims. (Cl. 74-14.)



1. A power transmitting mechanism comprising a rack having its ends formed of a single enlarged and rounded tooth, and a gear having a correspondingly sized and shaped recess adapted to alternately receive said end teeth, the rack being gradually reduced in width toward its opposite ends.

1,518,017. COOKING RANGE. HENRY G. STUTE and BENJAMIN H. WALTHER, Evansville, Ind. Filed Apr. 27, 1923. Serial No. 635,041. 1 Claim. (Cl. 126-39.)

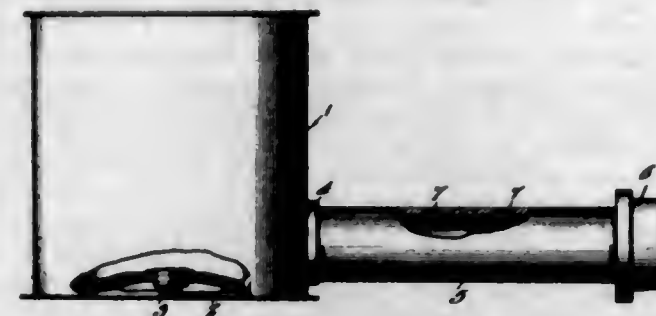


A range of the character described comprising, a base, means to provide a closed chamber of substantial length supported upon the said base and adapted to enclose heating elements, said chamber having a plurality of openings through its top and further having a plurality of openings through one side thereof to permit the passage of fuel conveyors thereinto, cover plates for said top openings, a pair of superposed ovens of less length than said casing supported upon said base behind the casing, said ovens at one end being flush with one end of said casing, a fuel feed pipe extending across the front of said casing, and valve elements in said fuel pipe, for controlling the flow of fuel to said fuel conveyors.

1,518,018. POULTRY FOUNTAIN. C HARLAN THOMPSON, San Antonio, Tex. Filed Jan. 19, 1924. Serial No. 687,259. 1 Claim. (Cl. 119-77.)

A drinking fountain for baby chicks comprising a closed cylindrical container adapted to sit on one end in upright position, said end being bulged inwardly and hav-

ing a filling plug therein whereby said plug is housed and protected; a pipe extending laterally at right angles from the lower portion of said container and provided

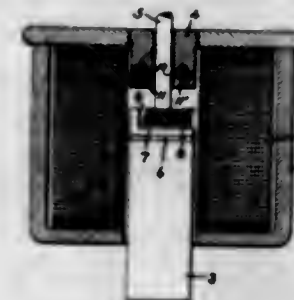


in its upper wall with a plurality of longitudinally spaced countersunk openings, said pipe being removably connected with the container at one end and having a removable cap like closure at its other end.

1,518,019. MANUFACTURE OF PHOSPHORUS, ETC. RICHARD C. TOLMAN, Washington, D. C. Filed Jan. 15, 1921. Serial No. 437,041. 6 Claims. (Cl. 23-223.)

1. The process which consists in incorporating in a charge of non-metallic phosphatic material and carbonaceous reducing material a relatively small portion of material consisting of a metallic compound of phosphorus having the catalytic properties of ferro-phos furnacing the charge at a sufficient temperature to effect the volatilization of a quantity of phosphorus corresponding substantially to that represented by the phosphorus content of the said phosphatic material, recovering the metallic compound of phosphorus from the charge and successively re-utilizing the same for the treatment of further charges of non-metallic phosphatic material and carbonaceous reducing material.

1,518,020. ELECTROMAGNET. OLIVER C. TRAVEE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 26, 1921. Serial No. 487,596. 5 Claims. (Cl. 175-338.)

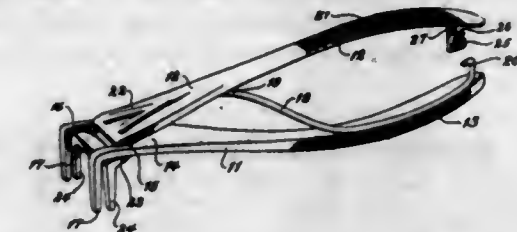


1. An alternating current electromagnet comprising an energizing winding, relatively movable magnetic members, a shading coil on one of said members and a short intermediate section of non-magnetic material dividing one of said magnetic members into relatively long and short magnetic portions, said short portion constituting the pole of said member whereby in the attracted position of said magnetic members chattering is effectively avoided and the residual magnetism tending to hold said magnetic members together upon deenergization of said winding is reduced.

1,518,021. DENTAL INSTRUMENT. HENRY A. TRUXILLO, Elizabeth, N. J. Filed Mar. 22, 1924. Serial No. 701,171. 4 Claims. (Cl. 32-10.)

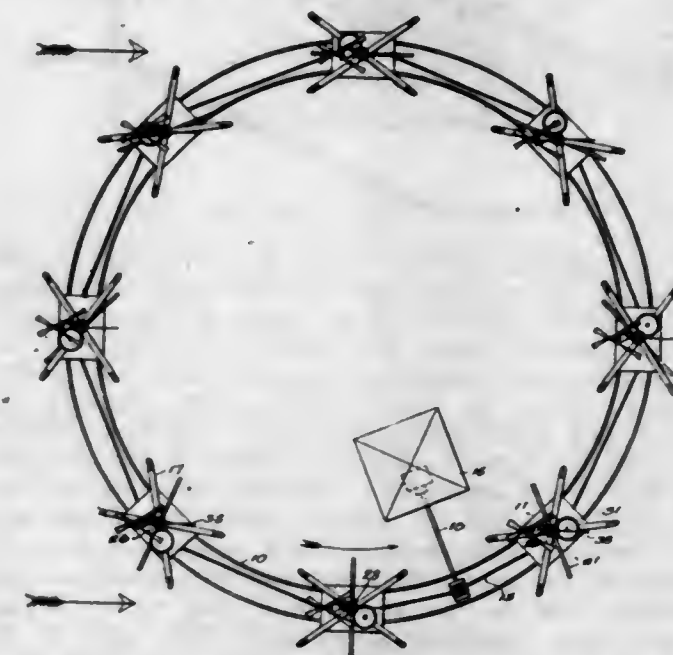
1. An instrument of the class described comprising a pair of separate sections, spaced co-acting jaws formed

on said sections, means for normally holding said jaws in spaced relation to each other, and co-acting means



for locking said jaws into clamping engagement with each other.

1,518,022. WINDMOTOR. WILLIAM R. TWIFORD, Indianapolis, Ind. Filed Oct. 4, 1923. Serial No. 666,604. 15 Claims. (Cl. 170-24.)



1. In a wind motor of the class described, a series of sails, individual means separately mounting said sails and adapted to travel in an endless path, a controlling wind wheel mounted to travel with each sail, and means acted upon by each controlling wheel and connected with the individual sails to cause feathering of the sails in traveling about said path.

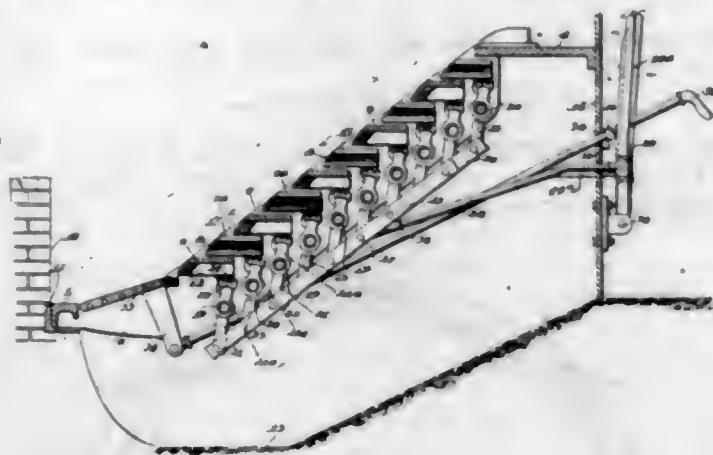
1,518,023. ATTACHMENT FOR HOT-AIR REGISTERS. ISAAC B. ULLOM, Washington, Pa. Filed Apr. 1, 1924. Serial 703,566. 1 Claim. (Cl. 98-50.)



An attachment for hot-air registers including a frame having spaced sides and a top cross bar in approximately the plane of the sides and adapted to be emplaced at the

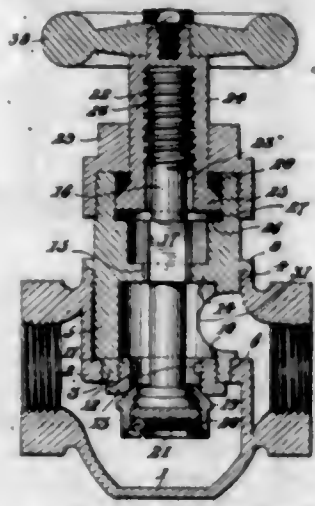
back of a hot-air register, sheet metal covering on said frame at the sides and top, said covering at the top of the frame having rearwardly directed curtain-engaging teeth, and additional curtain-supporting means on said frame forward of said top bar and its curtain-supporting teeth.

1,518,024. STOKER. MURDOCH B. URQUHART, Denver, Colo. Filed Nov. 22, 1922. Serial No. 602,570. 4 Claims. (Cl. 110—38.)



4. A combined stoker and grate, comprising a substantially rectangular frame provided with longitudinal side members inclined at an angle to the horizontal, spaced parallel tracks on opposite inner faces of the longitudinal side members, grate bars having horizontal grooves formed in their opposite ends engaging the tracks, said grate bars having their front faces inclined at an angle to the vertical with certain of the bars having their lower edges offset with alternate bars and progressively arranged in different horizontal planes with the alternate bars, sets of teeth depending from the bottom of the grate bars, rock shafts mounted at their opposite ends in the longitudinal side members, rock arms rigidly connected intermediate their ends to the rock shafts, other rock arms connected at their lower ends to the shafts, bars pivotally connected alternately with the lower ends of the first mentioned rock arms, teeth on the upper end of the rock arms adapted to engage the teeth depending from the grate bars, pivotally mounted levers, a link connecting a lever with one of the last mentioned bars for oscillating said bar and likewise rocking the alternate arms whereby alternate grate bars are reciprocated horizontally, the front faces of the grate bars being provided with horizontal openings whereby air is admitted to the furnace without the loss of fuel when said bars are agitated.

1,518,025. VALVE. JAMES B. VANCE, Louisville, Ky. Filed May 31, 1922. Serial No. 564,787. 2 Claims. (Cl. 251—156.)



1. In a valve of the type described, a valve casing having a screw threaded aperture in its upper end and having a transverse partition wall therein provided

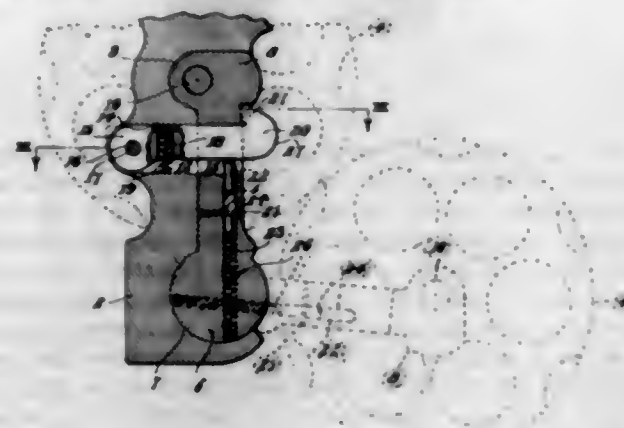
with a screw threaded aperture therethrough, an elongated sleeve member screw threadedly received within the threaded aperture in the casing and further threaded at its lower end in the threaded opening in the partition, said sleeve member being internally threaded at its lower end, a valve seat embodying a cylindrical wall threaded into the lower end of the sleeve member, an annular outwardly directed flange at the lower end of the cylindrical wall engaging the lower end of the sleeve member, a sliding valve stem positioned within said sleeve, a removable valve head positioned upon the lower end of the valve stem and of substantially conical formation at its upper end for partially entering the cylindrical valve seat when engaging the same and means cooperating with the opposite end of the valve stem for moving the valve toward and away from its seat.

1,518,026. EXPANSION ARBOR. ADOLPH C. VAN SLUYS, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed Apr. 23, 1924. Serial No. 708,589. 5 Claims. (Cl. 242—72.)



1. A rotatable shaft having means for removably connecting a disk therewith, a second disk movable longitudinally of the shaft and having splined connection therewith, an elastic member on the shaft between the two disks, and means for actuating said second disk to longitudinally compress and radially expand said elastic member to cause it to frictionally engage the interior of a core.

1,518,027. REVOLVER-CYLINDER LOCK. ULRICH VOSMEK, Antigo, Wis. Filed Apr. 6, 1923. Serial No. 630,303. 4 Claims. (Cl. 42—62.)



1. In a revolver cylinder lock, a frame, a crane pivotally supported on the frame and rotatably supporting a cylinder, a tensioned latch arm pivotally supported in the frame and having a lug at the free end thereof, and said crane having an opening through which the latch arm is projected with the latch arm lug engaging

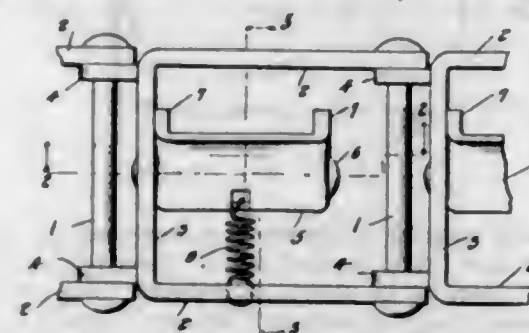
a wall of the opening to retain the crane in locking position, the tension means for the latch arm including a tensioned pin carried by the crane and extending into the crane opening to engage the latch arm to retain the latch arm lug in its locked position.

1,518,028. OIL-WELL-PUMP ATTACHMENT. ROBERT D. WALKER, Beggs, Okla. Filed Nov. 12, 1923. Serial No. 674,259. 2 Claims. (Cl. 103—220.)



1. In combination with the working barrel of an oil well, a sleeve secured to and surrounding the barrel, only the upper end of the sleeve being provided with holes for the inlet of oil thereinto, an anchor attached to the lower end of the sleeve, and a perforated pipe section connecting the anchor with the working barrel, the perforations establishing communication between the barrel and the lower portion of the sleeve.

1,518,029. WOOD-PLANE FEED CHAIN. FRED J. WALLACE, Enumclaw, Wash. Filed Apr. 12, 1923. Serial No. 631,597. 4 Claims. (Cl. 198—170.)



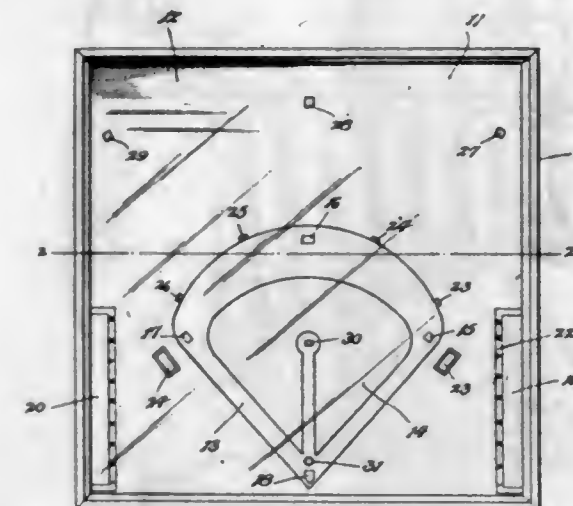
1. A planer feed chain provided in its length with a dog movable on an axis disposed longitudinally of the chain which is adapted to turn to clear the lumber when the latter is moved laterally upon the feed chain and which dog is adapted to engage the rear end of the lumber and positively feed the same when the usual feed mechanism fails to function.

1,518,030. INDOOR BASEBALL GAME. BARNEY WALLER, Philadelphia, Pa. Filed Apr. 18, 1922. Serial No. 554,883. 1 Claim. (Cl. 46—17.)

In a base ball game apparatus, the combination with sets of marked manikins, and a spinning top adapted to indicate different plays; of a flat board, an upstanding frame around said board defining the field, and a

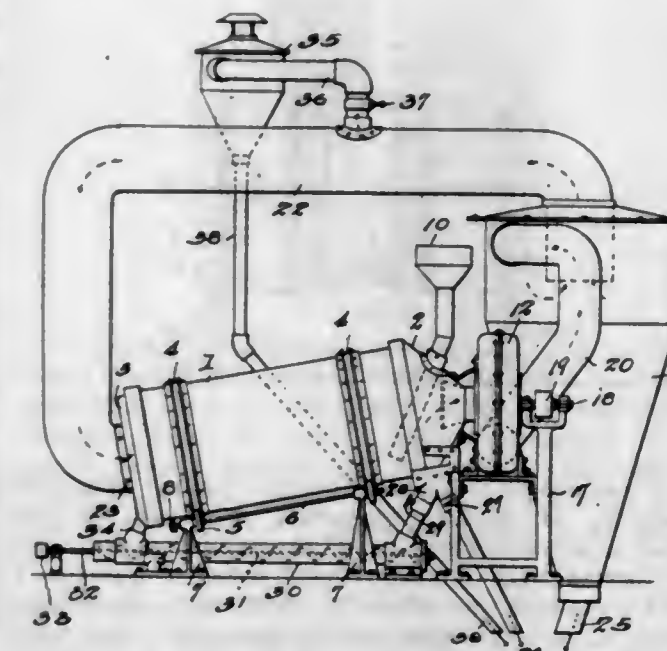
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plate glass covering the field mounted in said frame; said field having the base paths of the diamond delineated thereon and the bases represented by a different delineation on said base paths, and a dug out in



said field along the right and left sides of the frame and adjacent the rear corners thereof, said dug outs having indicia corresponding to the marking of the manikins in order that the manikins may be placed in a certain order in said dug outs.

1,518,031. PNEUMATIC SEPARATOR. HARRY H. WATERMAN, Strasburg Junction, Va. Filed July 25, 1922. Serial No. 577,371. 8 Claims. (Cl. 83—54.)

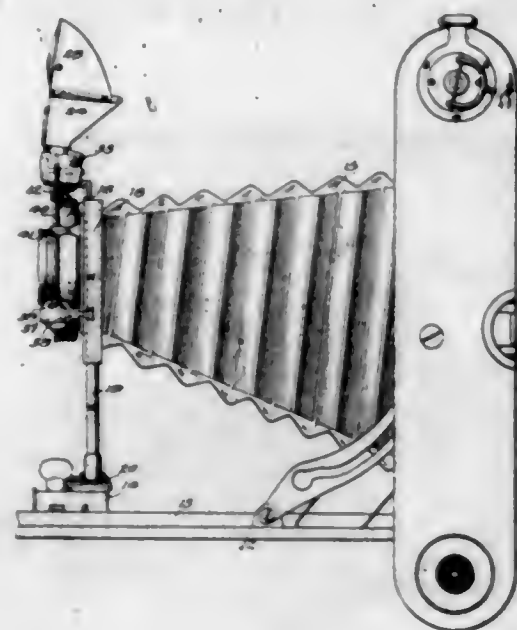


3. In a separator the combination with a rotary agitator drum, of a fixed hood and fixed funnel-head closing the ends of said drum, a feed supply pipe to said drum through said head, a fan blower having its intake end connected directly to said head and means for controlling the opening through said intake end, a discharge pipe from the blower, a dust collector at the end of the discharge pipe, and an air supply pipe connecting said collector with said hood.

1,518,032. FINDER. FREDERICK A. WENMAN, Brooklyn, N. Y. Filed June 21, 1922. Serial No. 569,839. 7 Claims. (Cl. 95—51.)

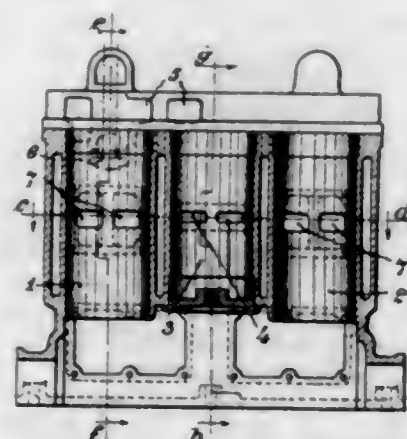
1. A finder including a column, a serrated portion on said column, a plate movable with respect to said column,

a gear rotatably carried by said plate and engaging said serrated portion, a finder rockingly carried by said plate



and means connecting said gear with said finder for tilting the latter with respect to the plate upon the plate being moved with respect to the column.

1,518,033. TWO-STROKE CYCLE COMBUSTION ENGINE. ARTHUR OSKAR LEONARD WENNERBY, Halmstad, Sweden. Filed Oct. 18, 1923. Serial No. 669,372. 3 Claims. (Cl. 123-59.)

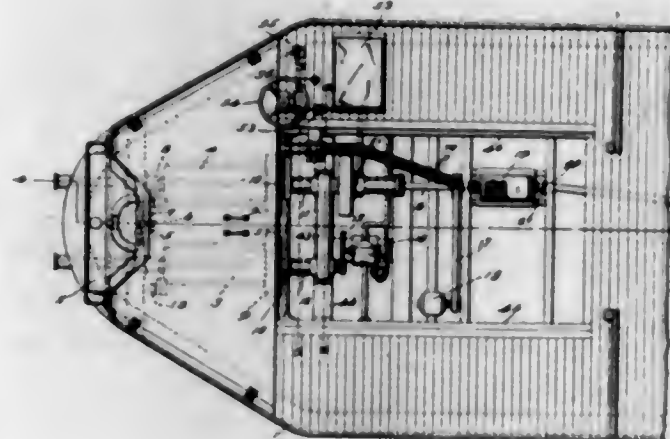


3. A two-stroke cycle combustion engine, comprising a plurality of working cylinders, a piston in each cylinder, a cover common to all the cylinders, said cover being formed with a compression chamber common to all the cylinders, an air inlet from said compression chamber to each cylinder arranged adjacent the upper end of the cylinder, an air inlet from the compression chamber to each cylinder arranged adjacent the lower end of the cylinder as defined by the limit of movement of the piston, an exhaust port leading from the cylinder arranged adjacent the lower end thereof as defined by the piston movement, the lower margins of the lower air inlet and exhaust port being on a plane with the upper margin of the exhaust port above that of the adjacent air inlet.

1,518,034. INTERNAL-COMBUSTION-MOTOR-PROPELLED RAILWAY CAR. JOHN A. WHITING, Waycross, Ga. Filed Mar. 18, 1922. Serial No. 544,866. Renewed Sept. 23, 1924. 2 Claims. (Cl. 105-62.)

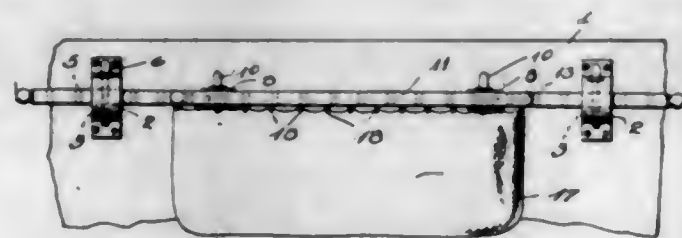
2. The combination of a railway car having a body and drive wheels, twin internal combustion motors carried by said body, and a driving-connection including motor-man controlled means whereby the motors in concert or

either motor may be utilized to effect the propulsion of the car, the latter without dragging the idle motor; the said driving-connection also including means whereby the connection is enabled to accommodate itself to movements of the body and the drive wheels relative to each other, and the last-named means comprising a shaft section, gearing connecting said section with the drive wheels, a truck, a vertically swinging housing containing



said gearing and shaft section, telescopic shaft sections, a universal joint between one of said sections and the section in the housing, and a cushioning connection between the forward portion of the housing and the truck, and made up of apertured lugs on the housing, apertured lugs on the truck, bolts extending through said lugs, lower springs between abutments on the bolts and the housing lugs, and upper springs between the housing lugs and the truck lugs.

1,518,035. BABY CARRIER. JOHN WALTER WILHELM, St. Petersburg, Fla. Filed Mar. 17, 1924. Serial No. 699,784. 3 Claims. (Cl. 5-94.)

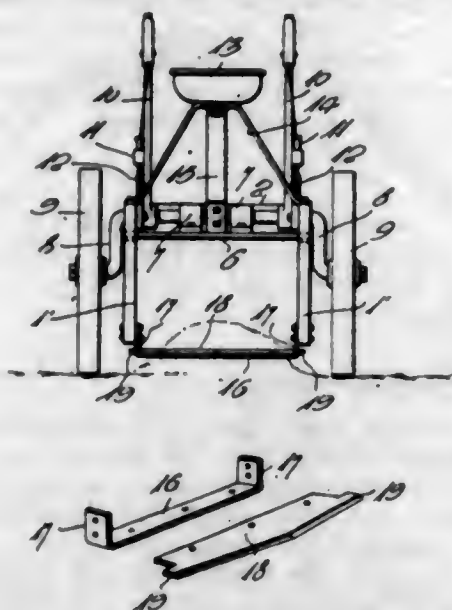


1. A baby carrier comprising a horizontally disposed bar, said bar being supported by spaced brackets and rotatably mounted in apertures therein, pins carried by said brackets and extending through registering apertures in the brackets and the bar, blocks adjustably mounted on the bar, pins extending through registering apertures in the blocks and the bar, a horizontally disposed frame carried by the blocks and a collapsible receptacle carried by said frame.

1,518,036. PLOW. HOWARD O. WILKINSON, Kingfisher, Okla. Filed Apr. 18, 1922. Serial No. 554,453. 1 Claim. (Cl. 97-144.1.)

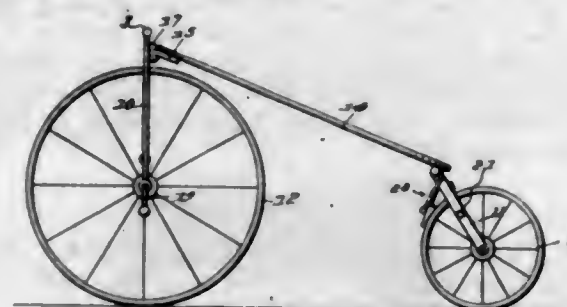
In a subsoil plow a frame comprising parallel longitudinal side bars curved downwardly at their rear ends, a blade carrying bar having its ends bent upwardly at right angles, said ends being bolted to said downwardly curved ends of the side bars of the frame and a blade bolted to said bar, said blade having its ends notched out to fit closely between the upwardly bent ends of the

carrying bar and to provide extensions on the ends of the front portion of the blade which bear against the upwardly bent ends of the supporting bar and project



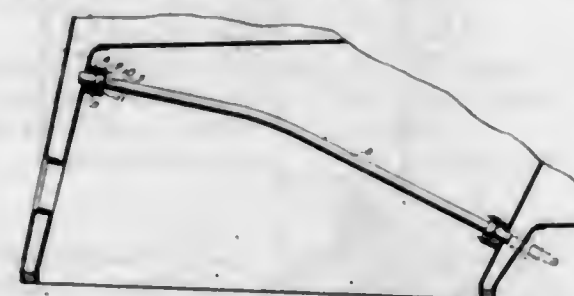
laterally beyond said ends whereby weeds and the like are prevented from accumulating against the downwardly curved ends of the side bars of the plow frame.

1,518,037. COASTER CAR. ROBERT H. WILSON, Baltimore, Md. Filed Dec. 8, 1921. Serial No. 520,865. 2 Claims. (Cl. 208-113.)



1. A coaster car or vehicle having an elongated upwardly and forwardly inclined platform for supporting an occupant in a reclining face downward position, and front and rear forks connected with the corresponding extremities of said platform and provided with ground traversing elements consisting of wheels of which the front one has its axle extended laterally beyond the forks and provided with cranks for manual operation.

1,518,038. ARCH-FLUE CLAMP. SAMUEL J. WILSON, Charlestown, Mass. Filed Nov. 12, 1923. Serial No. 674,406. 5 Claims. (Cl. 29-84.)

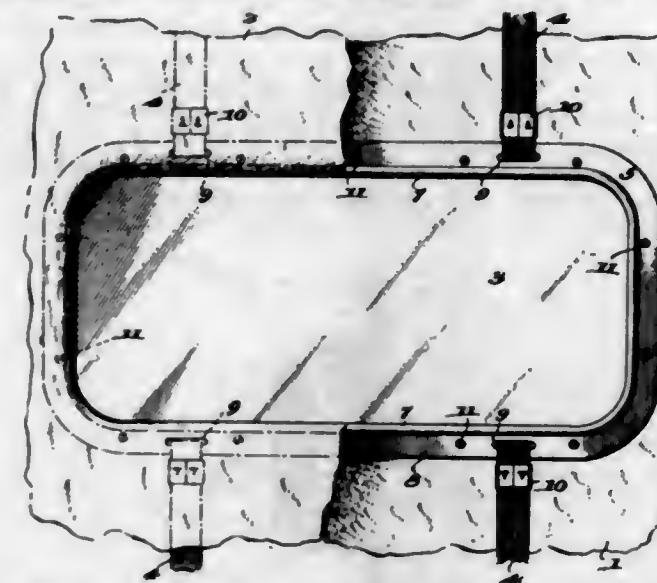


1. An arch flue clamp, comprising means for clamping a flue near one end, and adjustable means carried by the clamping means adapted to engage the boiler plate for moving the clamping means and flue longitudinally of the flue.

1,518,039. CURTAIN LIGHT. DANIEL M. WINANS, Binghamton, N. Y. Filed Oct. 5, 1921. Serial No. 505,537. 12 Claims. (Cl. 296-145.)

1. A curtain light holder comprising pane-holding frames having flanges disposed face to face in close

relationship around the edge of the pane, fastenings securing said flanges together, and packing carried by either or both of the frames, and bearing on the side of



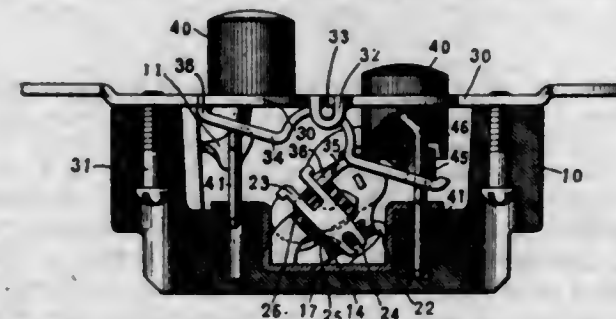
the pane, and a curtain fabric held by said packing against the frame and concealing the frame having the packing.

1,518,040. COAT-FRONT STRUCTURE. NICHOLAS ZUCK, Rochester, N. Y. Filed Mar. 28, 1921. Serial No. 456,368. 1 Claim. (Cl. 2-97.)



A coat front structure consisting of a piece of haircloth fabric comprising integral body and lapel portions impregnated with a cementitious stiffening substance, the stiffened haircloth fabric alone constituting the lapel portion, and a layer of padding material extending over the body portion and terminating at the lapel portion, said padding material being secured to the body portion by the cementitious substance.

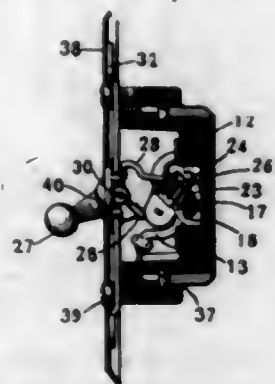
1,518,041. ELECTRIC SWITCH. CHARLES E. AVERY, East Orange, N. J., assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J., a Corporation of Massachusetts. Filed Nov. 17, 1922. Serial No. 601,448. 32 Claims. (Cl. 200-72.)



1. A receptacle, a stationary frame therein, a contact carrier hinged therein, a spring link connected at one end to said carrier, a bridge, an actuating rocker hinged

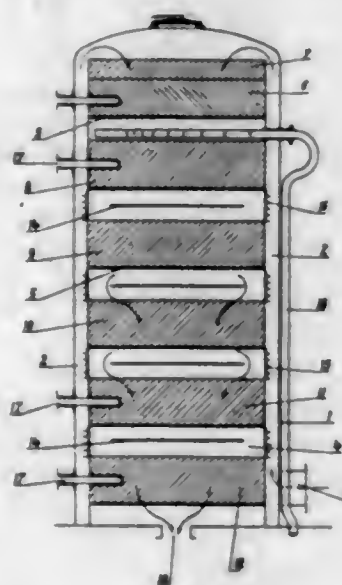
to said bridge and having an arm for engaging the end of said link opposite said carrier, said bridge and rocker being removable independently of said carrier.

1,518,042. TOGGLE SWITCH. CHARLES E. AVERY, East Orange, N. J., assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J., a Corporation of Massachusetts. Filed Nov. 20, 1922. Serial No. 602,083. 17 Claims. (Cl. 200—67.)



1. A switch receptacle, a frame mounted therein, a carrier detachably hinged to said frame, a link hinged at one end to said carrier and having its opposite end slotted, a spring and slotted washer on the slotted end of said link, a bridge, a lever and rocker hinged thereto and having a slotted arm engaging said washer and in the slot of said link.

1,518,043. PROCESS FOR THE PREPARATION OF SULPHURIC ANHYDRIDE BY CONTACT BY MEANS OF VANADIUM SALTS. PAUL AUDIANNE and GABRIEL BACHALARD, Paris, France, assignors to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France, a Corporation of France. Filed Nov. 19, 1923. Serial No. 675,722. 5 Claims. (Cl. 23—1.)

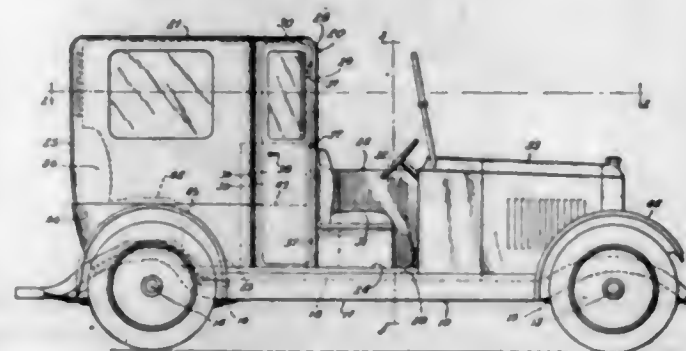


1. Process for the preparation of sulphuric anhydride by contact, consisting in using as a catalytic mass grains of an inert and porous material, whose size varies from 2 to 5 mm. and impregnated with a solution of a vanadium salt in the proportion of 50 to 55 kg. of vanadic anhydride per cubic meter of the apparent volume of the mass, the grains being distributed in different layers traversed successively by the gases, the size of the grains being uniform in each layer and progressively decreasing in the series of layers so that the gases first pass to the layer containing the largest grains, while the last layer traversed by the gases is formed of the smallest grains.

1,518,044. LIQUID-DISTRIBUTING COMPOSITION. WILLARD N. BASCOM, Bronxville, N. Y. Filed Nov. 22, 1923. Serial No. 676,394. 5 Claims. (Cl. 134—27.)

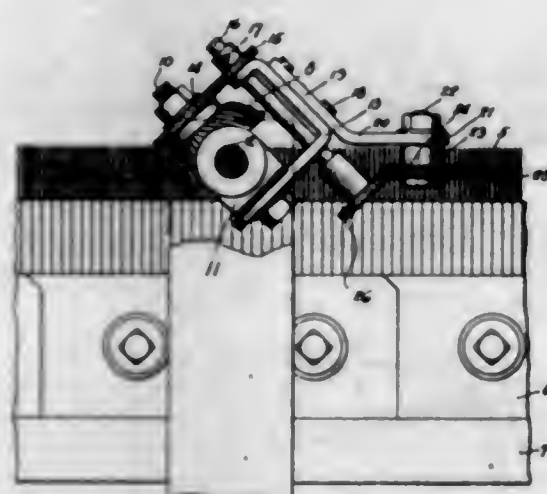
1. A composition for distributing liquid over a surface to prevent the globular formation of the same thereon, comprising a mixture of powdered sugar, powdered allspice elm bark, a liquid solvent and a quantity of salicylic acid to prevent souring thereof.

1,518,045. MOTOR-DRIVEN VEHICLE. PERRY S. BAUER, Chicago, Ill. Filed Sept. 1, 1923. Serial No. 660,481. 6 Claims. (Cl. 290—28.)



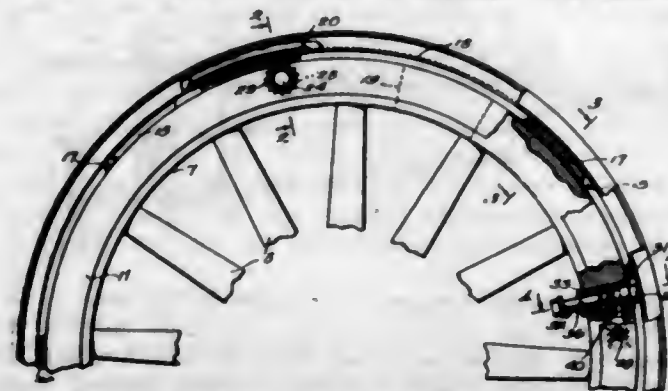
4. In a vehicle front and rear wheels, a chassis supported by said wheels and comprising a frame depressed between said wheels, a cab carried by said frame adjacent the rear end thereof and having a floor, a driver's compartment in front of said cab and having a floor, running boards carried by said frame and at either side of the vehicle, said running boards and said floors of the cab and driver's compartment being disposed in substantially the same plane.

1,518,046. STITCHER-WHEEL DRIVE. JOSEPH BLOOM, New York, N. Y. Filed Aug. 24, 1923. Serial No. 659,219. 3 Claims. (Cl. 66—27.)



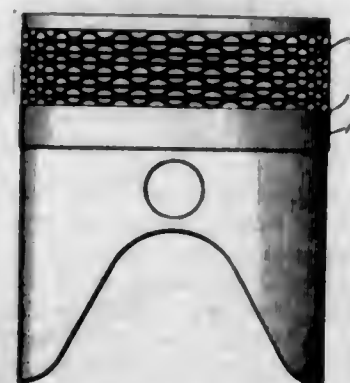
1. A stitcher wheel drive for use in combination with circular knitting machines and comprising a supporting member, a bracket carried by the supporting member, a plurality of shafts mounted in said bracket, a stitcher wheel, and a gear wheel carried by one of said shafts, a plurality of gear wheels carried by the other of said shafts, one of which meshes with the first-mentioned gear wheel, a second bracket carried by the first-mentioned bracket, and a gear wheel carried by the second-mentioned bracket and meshing with the needles of the circular machine and with the other of the gears carried by the second-mentioned shaft for driving the stitcher wheel through the train of gearing comprising said gears and shaft.

1,518,047. DEMOUNTABLE RIM. ALBERT WILLIAM BUMSTAD, New Britain, Conn., assignor of one-half to Henry F. Fischer, New Britain, Conn. Filed Oct. 6, 1923. Serial No. 667,025. 2 Claims. (Cl. 301—17.)



1. In a vehicle wheel, a felly, a felly band having lugs thereon, a demountable rim having lugs engageable with the aforesaid lugs to retain the rim against lateral movement relative to the felly band, said rim also having a projection on its inner periphery, a bushing extending radially through the felly of said wheel, a latching member having both longitudinal and rotary movements with respect to said bushing and provided on one end thereof with a head disposed in the path of movement of the projection on said rim when the latter is rotated with respect to said felly band to disengage said lugs from each other, yieldable means for retaining said latching member in latching position, and means carried by the felly and extending through said bushing into engagement with said latching member to lock the same in locking position.

1,518,048. INTERNAL-COMBUSTION-MOTOR PISTON. DAVID CAUGHET, New York, N. Y. Filed Dec. 20, 1921. Serial No. 523,723. 7 Claims. (Cl. 74—108.)



1. In a piston for motors, a main body portion, a continuous ring carried thereby, and a plurality of radially corrugated heat-dissipating elements removably carried by said piston and superimposed with respect to said ring.

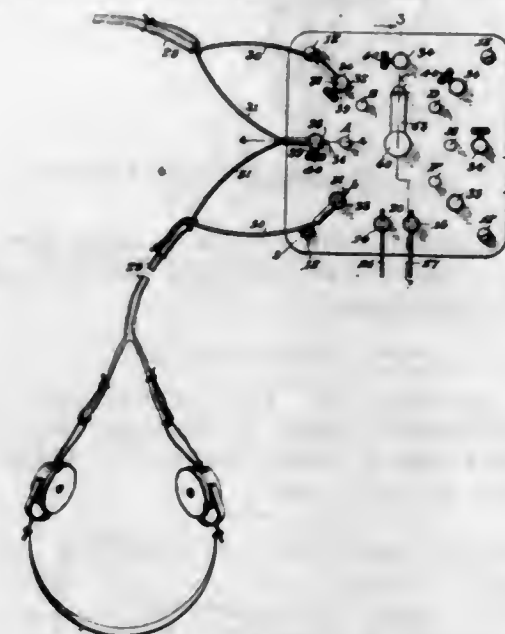
1,518,049. HEAD COVERING. HORMUSJI CAWASJI CHOCKKER, Bombay, India. Filed Feb. 25, 1921. Serial No. 447,716. 1 Claim. (Cl. 2—198.)



A cap comprising a top part and side portions, said top and side portions merging into a back part, the side portions of said cap being cut to permit the ears to be uncovered, a tall part provided on the back part and adapted to be placed in any position relative to the neck, a semi-circular resilient pocket provided on the rear part

to receive the knot of hair formed at the back of the head, the rear part having slits therein with their inner ends communicating with the mouth of the pocket, said slits being in alignment and arranged at opposite sides of the mouth, flaps adapted to hold the edges of the slits in closed position and snap fasteners provided on said flaps for holding the latter closed.

1,518,050. RADIOTELEPHONE RECEIVER BLOCK. WALTER G. CONGER, Independence, Mo. Filed June 23, 1923. Serial No. 647,386. 1 Claim. (Cl. 179—91.)



A radio telephone receiver block comprising a base, a series of spaced terminals mounted thereon and each provided with means adapted to detachably connect therewith one of the plugs of the two plugs of each of a pair of telephone receivers, a series of spaced contacts mounted on said base, a circuit conductor secured with and extending from each of said contacts to each of said terminals, means for securing said conductors to said terminals and further for securing the terminals to the base, circuit forming connections secured to said pair of terminals and adapted to lead to a radio receiving set, a circuit conductor leading from one of the terminals of said pair to one of the terminals of said series, a shiftable circuit opening and closing member supported upon the base and adapted to selectively engage with said contacts to close a circuit for the connected receivers, and a circuit conductor leading from the other of said pairs of terminals to said member.

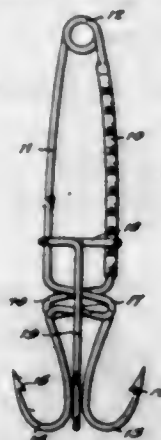
1,518,051. MANUFACTURE OF DYESTUFFS OF THE ANTHRAQUINONE SERIES. ARTHUR GILBERT DANDRIDGE and JOHN THOMAS, Carlisle, England, assignors to Scottish Dyes Limited, Carlisle, Cumberland, England. Filed June 5, 1922. Serial No. 566,143. 4 Claims. (Cl. 260—31.)

4. A method for the production of N-dihydro-1:2:2':1'-anthraquinone-azine which consists in subjecting caustic potash to a temperature of about 180° C., adding potassium sulphide thereto with stirring, raising the temperature to about 200° C., adding 2-amino-anthraquinone thereto, raising the temperature of the mass to about 230° C., maintaining it at that temperature for about 30 minutes, pouring the melt into water, boiling the liquor and then separating the dyestuff formed.

1,518,052. FISHHOOK. JEAN DE PAYE, Sayville, N. Y., assignor of one-fourth to Arthur F. Cambern, Sayville, N. Y., and one-eighth to Joseph Flala, Bohemia, N. Y. Filed May 12, 1923. Serial No. 638,598. 5 Claims. (Cl. 43—36.)

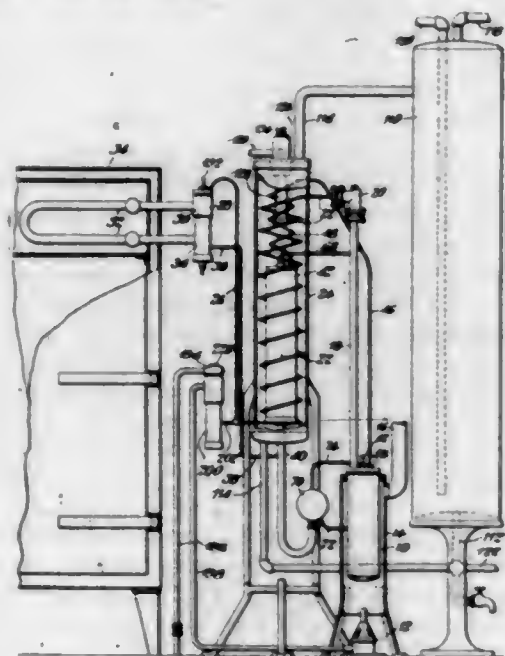
1. A multiple fish hook, comprising a plurality of fish hooks, means tending to spread the hooks apart, a member slidable on the shanks of the hooks and holding

the hooks grouped together, said member being provided with a fish hook rigid therewith and normally grouped with the first hooks, and means for permitting the first



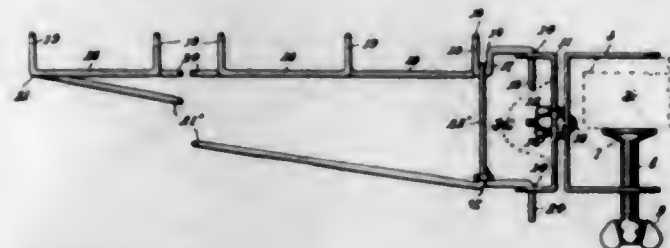
hooks to be released and projected outward when the hook carried by the slidable member is moved downward below the said first hooks.

1,518,053. METHOD OF AND APPARATUS FOR REFRIGERATION. HENRY L. DOHERTY, New York, N. Y. Filed July 7, 1920. Serial No. 394,491. 6 Claims. (Cl. 62-178.)



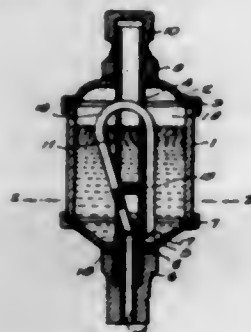
1. A method of heating water and producing refrigeration, which comprises distilling ammonia gas from an ammonia solution under pressure by the application of heat, condensing under the said pressure the ammonia gas through heat interchange with a body of water to be heated, circulating the said body of water to a chamber from which it may be withdrawn for domestic use, regulating the heating of the ammonia solution in accordance with variations in pressure of the ammonia gas undergoing distillation, automatically transferring the hot residual ammonia solution into heat transferring relationship with the said body of water when the said solution reaches a definite predetermined temperature and thereby cooling the solution, automatically withdrawing a portion of the said body of water when the temperature thereof exceeds a predetermined value, and delivering cooled water thereto, thereby maintaining controllable temperature conditions for the condensation of the ammonia gas, vaporizing the liquefied ammonia gas under reduced pressure in heat transferring relation to a body of refrigerating fluid, and automatically controlling the vaporization thereof in accordance with the temperature of the ammonia gas passing out of the said heat transferring relationship, absorbing the gas thereafter in the cooled residual ammonia solution, and returning the resulting solution to the original zone to be redistilled.

1,518,054. NECKTIE HANGER AND SUPPORT THEREFOR. JOSEPH F. DZURAK, Bayonne, N. J. Filed June 18, 1923. Serial No. 646,072. 2 Claims. (Cl. 248-24.)



1. In a necktie hanger, a clamping bracket, a U-shaped supporting bracket having openings formed in the side legs thereof and swiveled to the bracket at the middle portion thereof, hanger means formed from a single strand of wire associated with the supporting bracket, portions of said wire bent upon itself to form dividing partitions and intervening horizontal portions and a portion of said wire strand being bent at an acute angle in respect to the horizontal portions to form a brace for said horizontal portions and dividing partitions, and leg extensions carried by the ends of the horizontal and bracing sections of the hanger to be received in the openings in the bracket legs.

1,518,055. OIL CUP. LESLIE CARL DUTRO, Long Beach, Calif. Filed Sept. 10, 1923. Serial No. 662,026. 2 Claims. (Cl. 184-85.)



2. An oil cup, comprising a body for receiving a quantity of oil, said body having a cap at one end for closing the same, a discharge tube mounted in the opposite end, said discharge tube extending from near the bottom of the body to the discharge point, a tubular member extending through said body and telescoping a short distance over said discharge tube, said tubular member having a plurality of apertures therein at different points, a division member mounted in said tubular member between the inner end of said discharge tube and the nearest aperture in the tube to the discharge tube, and a substantially U-shaped siphon extending through two of the apertures in said tubular member with one end extending to near the bottom of said body and the other extending through said tubular member and into the discharge tube, the lower ends of the siphon being in substantially the same plane.

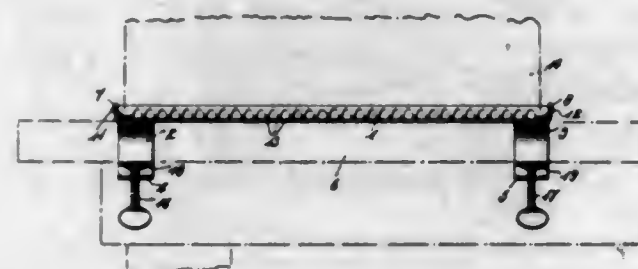
1,518,056. CALLING DEVICE. HENRY E. ELROD, Dallas, Tex. Filed Apr. 8, 1921. Serial No. 459,626. 3 Claims. (Cl. 179-90.)



1. A calling device of the class described comprising a movable dial having a plurality of finger holes for actuating the same, a stationary dial provided with the

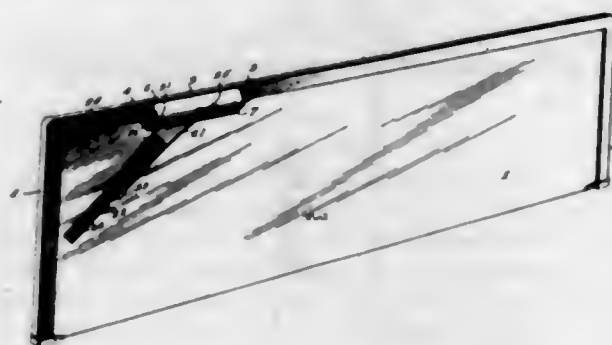
characters for indicating the positions to which said movable dial can be set, an impulse device mounted concentrically with said movable dial including a fibre disc provided with a plurality of peripheral projections, a clutch plate between said movable dial and said impulse device and fixed to move with said movable dial, a set of contact devices, means cooperating between said contact devices and said impulse wheel for intermittently operating a pair of said contacts, means rotatable with said clutch plate for controlling another pair of said contacts, means for returning said movable dial to its normal position and a retarding mechanism comprising a dog and ratchet for controlling said retarding movement.

1,518,057. BIB HOLDER. JULIA FOERSTER, Manitowoc, Wis. Filed May 16, 1924. Serial No. 713,790. 2 Claims. (Cl. 24-248.)



1. A bib holder comprising a longitudinal element, U-shaped clamps provided at the outer extremities of said longitudinal element, means to secure said bib holder to supports having differential diameters and shapes, a rocking bib engaging member secured to said holder for detachable engagement with the end of the bib placed between said longitudinal element, substantially as described.

1,518,058. WINDSHIELD CLEANER. FREDERICK G. FOLBERTH and WILLIAM M. FOLBERTH, Cleveland, Ohio, assignors to The Folberth Auto Specialty Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 21, 1923. Serial No. 640,577. 7 Claims. (Cl. 15-253.)

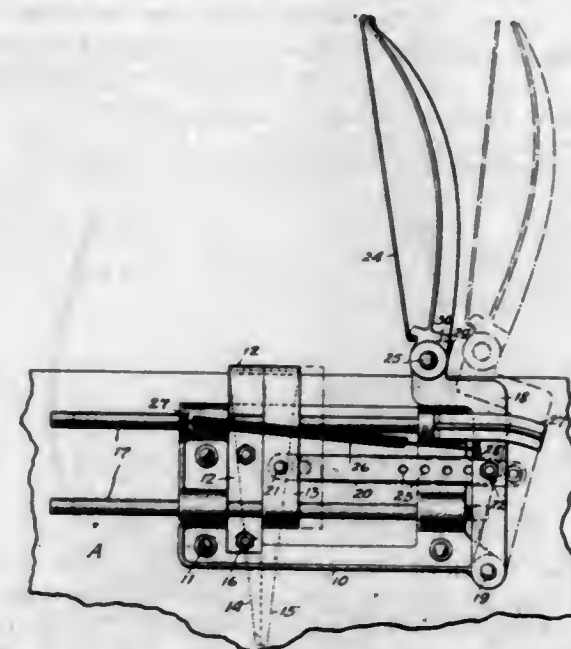


1. The combination with a windshield frame having a cut-out portion, of a windshield cleaner comprising a motor casing arranged in said cut-out portion, a cleaner element adapted to travel over the surface of the windshield, an actuating member mounted in said casing, and connecting means between said actuating member and said cleaner element said connecting means extending from said casing through said frame longitudinally of said frame.

1,518,059. STRETCHER FOR CASE SKINS. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Apr. 18, 1923. Serial No. 632,979. 7 Claims. (Cl. 149-21.)

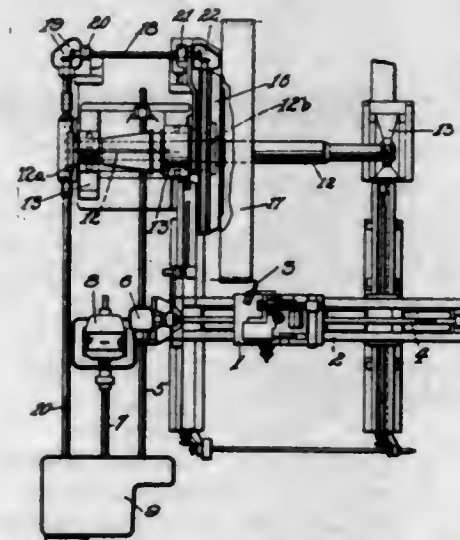
7. A stretcher of the class described comprising a base plate adapted to be secured to a table top at the under side, a U-shaped stretcher element fixed to said base and having stretcher arms extending laterally inward above the base to lie above the table top, a second U-shaped stretcher element having a stretcher arm dis-

posed adjacent to the first stretcher arm and having a member slidably secured to said base, and a lever connected with said movable element to actuate the same.



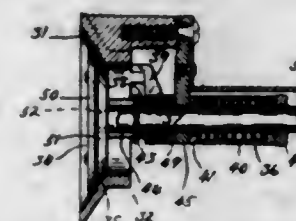
said lever having its outer end in the form of a pivoted pressure arm adapted to receive pressure by the operator of the stretcher.

1,518,060. MACHINE FOR PLANING GEARS. JEROME R. GEORGE, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 453,000. 9 Claims. (Cl. 90-8.)



1. In a machine of the class described, the combination with a rotatable blank carrier and a rotating actuating member having a fixed axis parallel to the axis of said carrier, of a shaft connected to said member and adapted to be swung about the axis of said member for applying a rotative force to the periphery of said carrier.

1,518,061. CARBURETOR VALVE. EDWARD B. GIBFORD and CHARLES WALKER GIBFORD, Adrian, Mich. Filed Dec. 20, 1920. Serial No. 431,889. 12 Claims. (Cl. 251-145.)



1. In a carburetor, the combination with an air inlet passage, of a valve controlling said passage, a stem for said valve, a cap upon said stem, a coil spring within

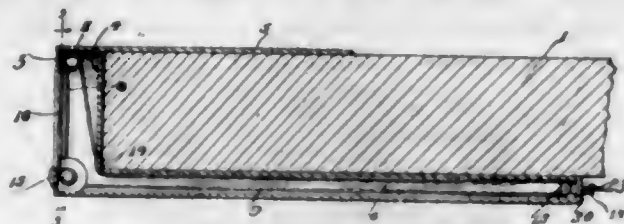
said cap and engaging its outer end, and a wedge-shaped member movable transversely of said stem and supporting the inner end of said spring.

1,518,062. RUBBER SHOE AND METHOD OF MAKING SAME. WARREN E. GLANCY, Waltham, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Apr. 21, 1924. Serial No. 708,052. 5 Claims. (Cl. 18-53.)



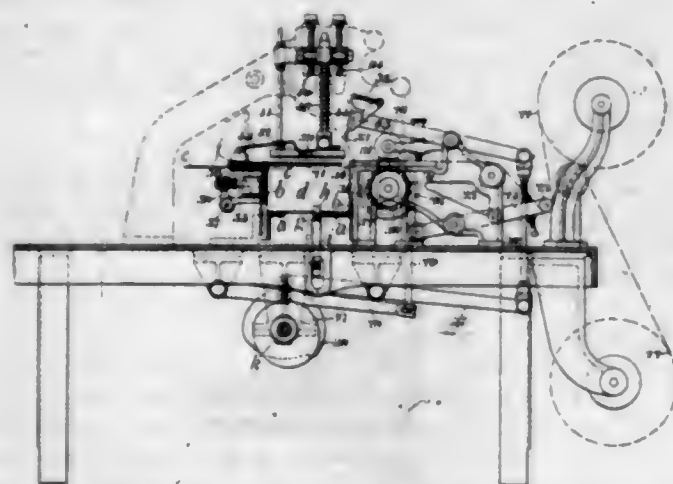
3. The described process of making rubber footwear which consists in providing a last with a coating of latex, applying shoe forming parts of rubber thereto, vulcanizing the article to unite the shoe parts to each other and to the latex coating, and stripping the united parts from the last.

1,518,063. PRICE INDICATOR. HERBERT R. GOTTFRIED, Erie, Pa. Filed Apr. 27, 1923. Serial No. 635,145. 3 Claims. (Cl. 40-96.)



1. A price indicator comprising a casing having a member adapted to extend under and bear against the bottom of a shelf, a holding plate projecting from the front portion of the casing to frictionally engage the top of the shelf, the casing being provided with a display opening in its front wall, and a display belt extending across the display opening and extending within the lower extension of the casing.

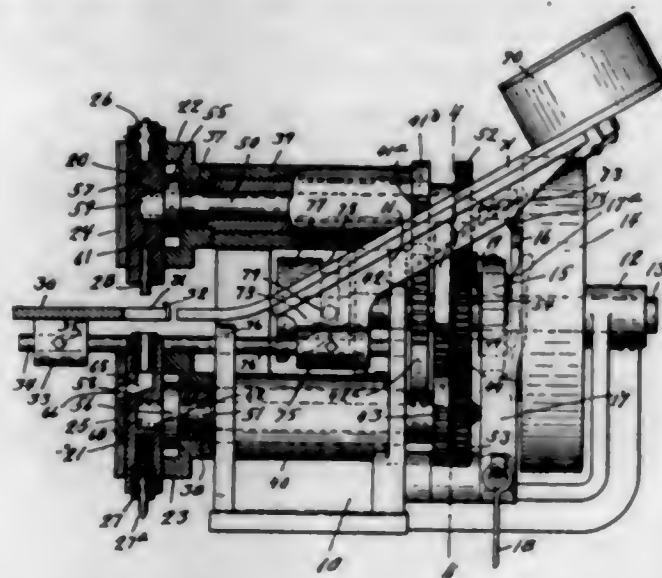
1,518,064. MACHINE FOR LINING BOXES. HENRY HACKETT, Birmingham, England, assignor of one-half to Cadbury Brothers Limited, Birmingham, England. Filed Oct. 29, 1923. Serial No. 671,536. 13 Claims. (Cl. 93-57.)



1. In machines for lining wood and like boxes with strips of paper and like material, means for applying adhesive to the upper edges of a box, means whereby strips are applied to a plurality of boxes simultaneously, and

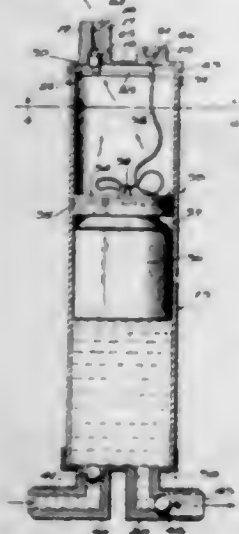
intermittently operated means whereby each of a succession of boxes is moved first to a position in which the adhesive is applied and subsequently to each of the positions in which the strips are applied.

1,518,065. HOLE-PUNCHING AND EYELET-SETTING MACHINE. BICKNELL HALL, Abington, Mass. Filed Mar. 15, 1923. Serial No. 625,346. 29 Claims. (Cl. 219-15.)



1. An eyelet-setting machine having a set of cooperating hole-forming members, a set of cooperating eyelet-setting members, and means to rotate each set alternately into the same position for operation and reciprocate the cooperating members of each set.

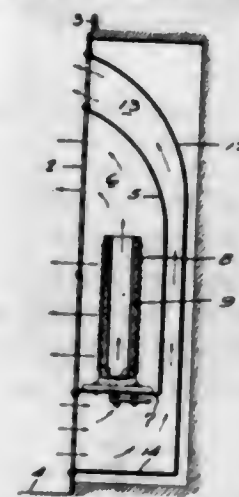
1,518,066. LIQUID-FUEL DELIVERY SYSTEM FOR INTERNAL-COMBUSTION ENGINES. CLINT HAMMOND, Boyne City, Mich. Filed Mar. 24, 1923. Serial No. 627,385. 1 Claim. (Cl. 103-236.)



In an apparatus of the character described, a tank having a liquid intake and a liquid outlet in its bottom, and an opening in its top adapted to establish communication with the atmosphere, a source of suction connected with the upper end of tank a float within the tank, a valve member carried by the float adapted to form a close fit with the inner walls of the tank, valve means normally adapted to maintain the connection between the source of suction and tank open and close the communication between the tank and atmosphere, said valve means being also adapted to be operated by the valve member to close the suction connection and establish communication between the tank and atmosphere upon the valve member reaching the upper end of the tank,

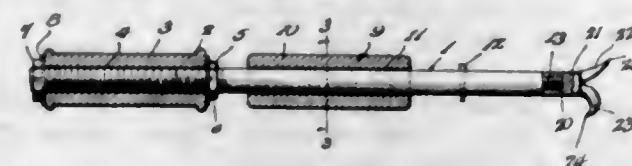
and flexible connecting means between the valve member and valve means for said suction connection and atmosphere opening, whereby said valve means will be positively returned to normal position upon the valve member approaching the bottom of the tank.

1,518,067. ELECTRIC HEATER. WILLIAM WESLEY HICKS, San Francisco, Calif. Filed July 17, 1922. Serial No. 575,543. 17 Claims. (Cl. 219-34.)



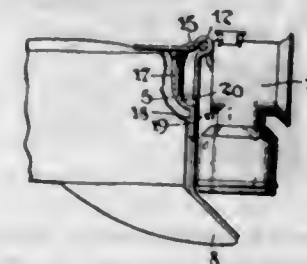
1. An electric heater comprising an inner shell of heat conduction material having a back wall and a forwardly inclined top wall, an electric heating element disposed in front of the back wall and below the top wall, an outer shell surrounding and spaced from the back and top walls of the inner shell, the top wall of the outer shell being forwardly inclined, the inner and outer shells forming a vertically disposed air flue, through which a substantial current of air is induced to flow by the heat conducted thereto by the heat conducting inner shell, the upper portion of the flue being confined between forwardly inclined walls so that the heated air flows without rest and without interference through the flue.

1,518,068. COTTER-PIN REMOVER. WILLIAM H. HORN, Pollock, S. Dak. Filed June 20, 1923. Serial No. 640,646. 2 Claims. (Cl. 81-3.)



1. A cotter pin remover comprising a shank, a hammer slidably mounted upon the shank, and a head detachably secured to one end of the shank and provided with spaced diverging prongs, one of which is hooked-shape and constitutes an extracting prong, the other prong being disposed substantially in the longitudinal plane of the shank and provided with a pointed terminal deflected laterally with respect to the shank and constituting an expanding prong.

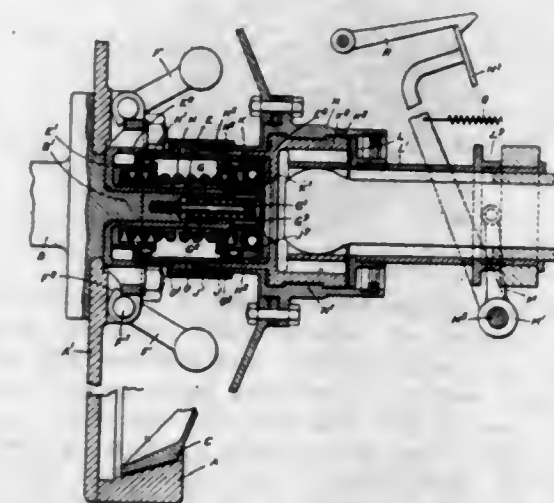
1,518,069. LAMP HOLDER. JOHN HUGHES, Stewartsville, Ohio. Filed Dec. 29, 1923. Serial No. 683,417. 2 Claims. (Cl. 240-60.)



1. A lamp holder for attachment to miners' cap including a body member provided with an apertured upper portion to receive the terminal of a supporting hook of a lamp, a socket secured to and registering

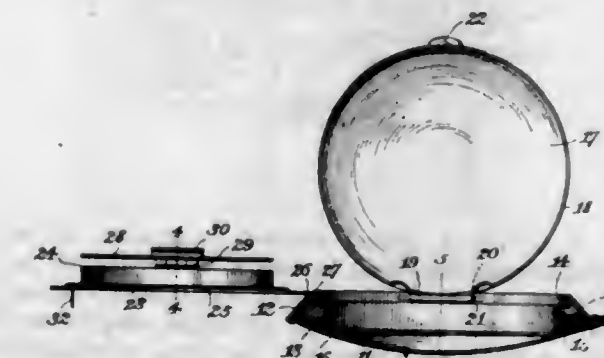
with the aperture in the body member, said socket directed forwardly at the lower end to deflect the terminal of the bill of the hook to frictionally hold the hook in place and with the lower portion of the socket laterally directed and terminating in return bends engaging the side edges of the body member.

1,518,070. CLUTCH MECHANISM. ALEXANDER GEORGE IONIDES, Leicester, England, assignor of one-half to Vauxhall Motors Limited, Bedfordshire, England, a Company of Great Britain. Filed Dec. 20, 1922. Serial No. 608,095. 11 Claims. (Cl. 192-105.)



1. In a friction clutch mechanism the combination of driving and driven clutch members, a spring which tends to move one clutch member into and maintain it in engagement with the other clutch member, a thrust member which can take the load of the spring, a governor, and means controlled solely by the governor for moving the thrust member so as to transfer the load of the spring to one of the clutch members and thereby cause it to engage with the other clutch member when the speed of the driving clutch member reaches or exceeds a predetermined limit.

1,518,071. TWIN-COMPACT VANITY CASE. SIMON A. JAROSLAWSKI-FLORET, New York, N. Y. Filed Nov. 28, 1923. Serial No. 677,535. 5 Claims. (Cl. 132-83.)

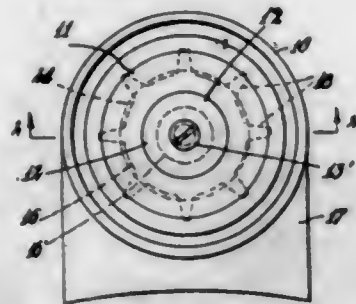


1. A twin compact vanity case comprising a pair of compact container members each having an open end and provided with a hinged cover, and a hinged connection between the upper open end of one member and the closed lower end of the other member whereby to permit of the swinging of one of the containers to an inverted nested position within the other when the case is closed and the swinging of said containers to a side-by-side relation when opened to dispose the open ends thereof both in an upward direction.

1,518,072. PRODUCTION OF BONE BLACK. WILLIAM JONES, New York, N. Y., assignor to Vesta M. Jones, New York, N. Y. Filed Sept. 1, 1923. Serial No. 660,655. 2 Claims. (Cl. 252-3.)

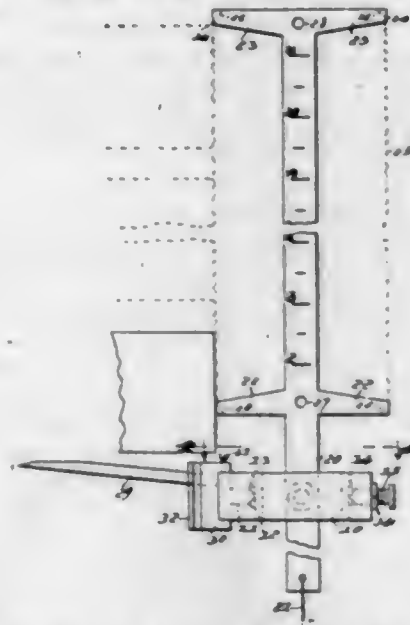
1. A method of producing bone-black, by using the by-product, known as steamed bone, re-carbonizing this bone by mixing with it a carbonizing material capable of yielding an active carbon when calcined out of contact with air, and calcining.

1,518,073. RUBBER HEEL. WILLIAM KAPLAN, Paterson, N. J. Filed Apr. 10, 1924. Serial No. 705,493. 2 Claims. (Cl. 36-39.)



1. In a heel, a top heel element, a rubber heel made up of a number of concentrically arranged sections comprising an outer section, and intermediate section and an inner section, a fastening screw passed through said inner section and engaged with the said top heel element, a plate fixed to the said top heel element and formed with downwardly and outwardly projecting prongs, and a disk adapted to be forced by said screw against the said prongs to move the latter into locking engagement with the said outer section.

1,518,074. WALL GAUGE. JACOB F. KAUFFMAN, Hollidaysburg, Pa. Filed Jan. 6, 1923. Serial No. 611,088. 2 Claims. (Cl. 33-85.)



1. In a gauge, a frame having anchoring means, a frame oscillatably mounted in the first mentioned frame, a blade trunnioned in the second mentioned frame, the trunnions of the blade being at right angles to the trunnions of the frame in which the blade is trunnioned, pairs of arms on the blade, the arms of each pair projecting oppositely from the blade, and a gaging element extending from the blade of one pair to a blade of the other pair and means for securing the gaging element in place.

1,518,075. OCCLUDING FORM FOR POSITIONING TEETH IN MAKING ARTIFICIAL DENTURES. ELMER G. KESLING, Bloomfield, Mo. Filed Dec. 20, 1919. Serial No. 346,211. 6 Claims. (Cl. 32-4.)

1. An occluding form for positioning teeth in making artificial dentures, comprising a body of inherently flex-

ible material having teeth supporting surfaces with cavities therein for embracing the crowns of the teeth when positioned for perfect occlusion, and capable of being



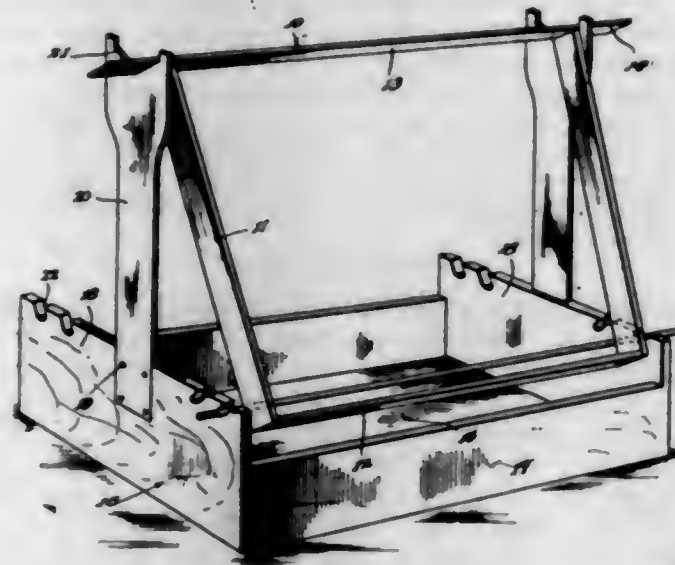
adjusted to the case in hand when loaded with teeth, said form being removable from their teeth without disturbing the position of the latter and adapted to return to its normal position after removal from the teeth.

1,518,076. INSULATED SUPPORT FOR LIGHT REFLECTORS. EMANUEL KLEINMAN, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,168. 5 Claims. (Cl. 240-103.)



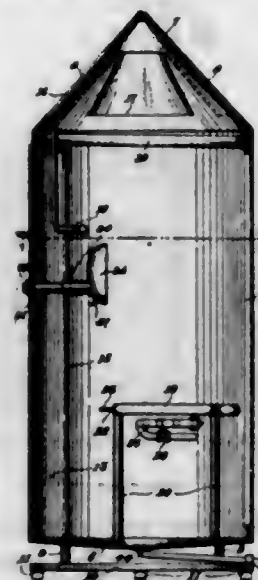
1. In combination, a reflector plate having an aperture, an insulating plate disposed against the rear face of the reflector plate and having an aperture smaller in size than the aperture in the reflector plate, a clamping plate disposed against the opposite face of the reflector plate, rearwardly projecting ears on the clamping plate adapted to have their ends bent over, said insulating plate having a plurality of slits or openings through which the ears project, the ends of the ears being bent over against the rear face of the insulating plate to hold the clamping plate, the insulating plate and the reflector plate together.

1,518,077. HONEYCOMB RACK. ANTON V. KOUBA, Verdigré, Nebr. Filed Nov. 14, 1923. Serial No. 674,673. 5 Claims. (Cl. 6-12.)



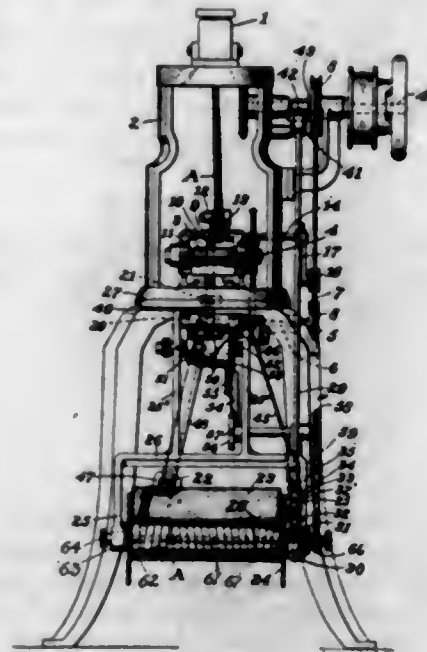
1. A rack for honey comb frames comprising a box-like structure, standards mounted on the ends of the structure adapted to receive at their upper ends the projecting portions of the honey comb frame, and means for sustaining the frame in tilted position in the rack.

1,518,078. STEAM CLOSET. WALTER KOWALSKI, Sparta, Wis. Filed Apr. 17, 1924. Serial No. 707,181. 3 Claims. (Cl. 4-160.)



1. In a cabinet of the class described, a seat having a series of slots therethrough, a perforated steam coil below said seat, a valve having a handle projecting laterally from beneath the seat to control the outflow of steam from said coil, and means for successively opening and closing said slots.

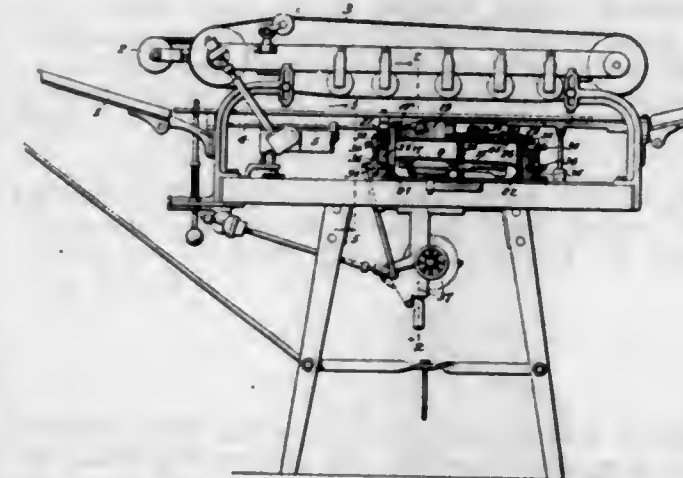
1,518,079. TAKE-UP AND SPOOLING MECHANISM. CHARLES C. KRIEBLE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,540. 10 Claims. (Cl. 60-9.)



1. In combination in a knitting machine of the non-rotating needle cylinder type, a main drive shaft, a frame, a fabric winding and take-up roll, a shaft depending from the main shaft and geared to the main shaft at its upper end, a worm loose on the lower end of said shaft, a worm gear on the shaft of the winding roll meshing with the worm, a clutch member splined to the depending shaft above the worm to move up and down thereon, said worm having a clutch portion to be engaged by the said clutch member, said splined clutch member having a cam portion to move up and down on the depending shaft, and controlling means on the fixed frame to engage and disengage the cam portion of the splined clutch member, and when engaged causing the clutch member to lift and disengage from the clutch portion on the worm due to the power derived through the said shaft, and means bearing on the fabric at a

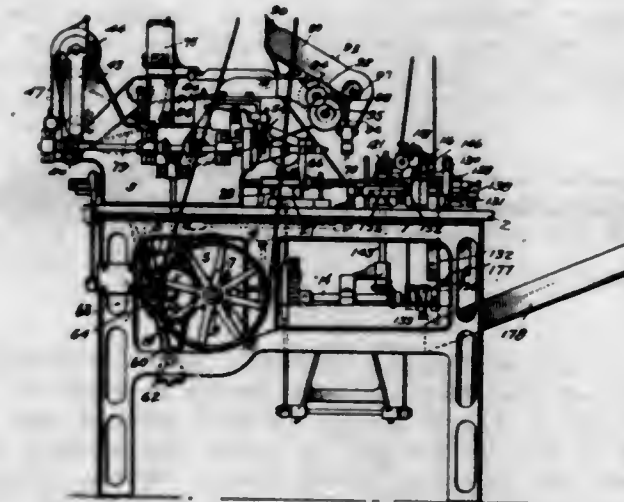
point between the needles and the winding roll for determining the position of the said controlling means in or out of engagement with the cam portion of the clutch member, substantially as described.

1,518,080. CAN-LABELING MACHINE. ALBERT HERBERT KYLER, Westminster, Md., assignor to The Fred H. Knapp Company, Westminster, Md., a Corporation of Maryland. Filed June 30, 1920. Serial No. 393,110. 19 Claims. (Cl. 216-58.)



1. In a can labeling machine having a runway and pasting appliances, a label receptacle having opposed relatively adjustable sides, and means arranged in front of one of said sides and constructed and arranged whereby the said sides may be adjusted towards or from each other, and whereby one side may be moved an increased distance with respect to its other side.

1,518,081. MACHINE FOR PACKAGING ARTICLES. IGNACIO LAZAGA, Salem, Va. Filed Aug. 15, 1922. Serial No. 581,993. 20 Claims. (Cl. 93-4.)

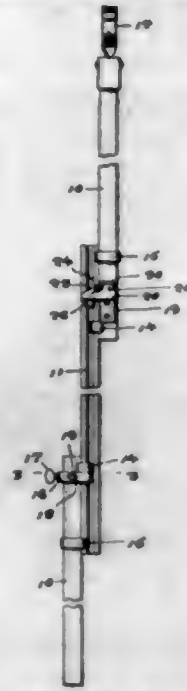


1. In a packaging machine, the combination with a hopper, of means for ejecting a plurality of articles therefrom, a transferring plunger and fingers connected therewith for receiving the articles, and means for packaging said articles.

1,518,082. PROP. WILLIAM C. LIMBACH, Massillon, Ohio. Filed Feb. 21, 1924. Serial No. 694,333. 1 Claim. (Cl. 68-12.)

A prop of the character described comprising upper and lower end sections, and an intermediate section, the opposed longitudinal edges of the intermediate section being grooved, substantially U-shaped members carried by the adjacent ends of the end sections and designed to be received by said grooves, guides supported

by the intermediate section adjacent the ends thereof and slidably receiving said end sections, said end sections being substantially of independent adjustment,



means for holding the lower end section fixed relatively to the intermediate section, and cooperating means carried by the intermediate section and the upper end section for holding the latter in an extended position.

1,518,083. PROCESS OF ELIMINATING CARBON FROM CARBON-CONTAINING METALS. HUGO LOHMANN, Berlin-Johannisthal, Germany. Filed Aug. 26, 1921. Serial No. 495,733. 10 Claims. (Cl. 75-51.)

1. Process for the withdrawal of carbon from carbon-containing metals of a high melting temperature, consisting in heating metal in an airtight chamber to a temperature below the melting point of the metal and at which it gives off carbon, and in removing the liberated carbon from the metal.

1,518,084. HOLDER. WILLIAM H. LOVELACE, Dalna, Ky. Filed July 28, 1923. Serial No. 854,422. 2 Claims. (Cl. 219-8.)



1. In arc welding, an electrode holder including a handle of insulating material having a guard at its outer end, a hollow member passing through and secured to the handle and to which the electric conductors are attached, said member having aligning openings adjacent to its outer end, a sleeve of insulating material surrounding the said end of the member and having openings therethrough registering with the first mentioned openings, a spring influenced jaw carrying element slidable through the member normally covering the openings, a handle for retracting the member against the pressure of its spring, said handle comprising a pivoted member having its active end of insulating material and which is directed toward the handle.

1,518,085. ELECTRIC HEATER FOR STEERING WHEELS. WALTER W. McDOWELL, Klefer, Okla., assignor of one-third to R. E. E. Steigleder and one-third to Francis M. Rigdon, both of Klefer, Okla. Filed Feb. 4, 1924. Serial No. 690,471. 2 Claims. (Cl. 219-19.)

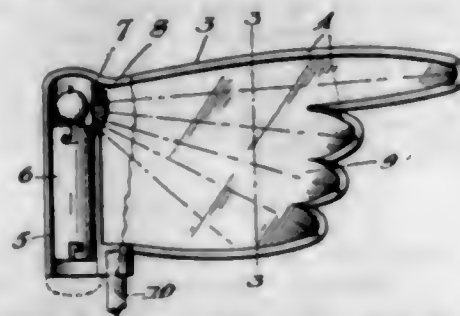
1. A device of the class described comprising a resistance element, a plate connected to said resistance

element and insulated therefrom, a resilient arm extending from said plate and having a contact normally



maintained yieldably spaced from said plate, and means for connecting said resistance element and said arm and its contact in circuit with a source of electric energy.

1,518,086. ILLUMINATED INDICATOR. GORDON HILL McLARREN, Halifax, Nova Scotia, Canada. Filed Apr. 11, 1924. Serial No. 705,881. 1 Claim. (Cl. 116-48.)



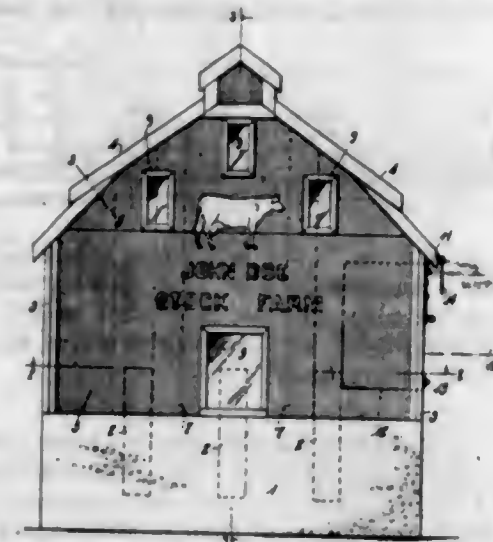
An indicator for automobiles comprising a marginal frame conforming in outline to the human hand and having the inside edges bevelled to form a reflector, a stem formed integral with the frame, a vertically extending bore in said stem designed to hold a lamp, an opening in said stem between the bore and the frame adapted to hold a lens whereby the rays of the lamp carried by the stem are directed to the reflector edges of the frame.

1,518,087. PIPE WRENCH. ROBERT W. McMULLEN, Bristow, Okla. Filed Mar. 11, 1924. Serial No. 698,519. 1 Claim. (Cl. 81-72.)



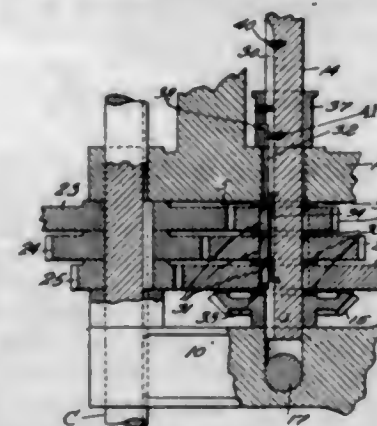
A wrench for the purpose set forth comprising a downwardly tapered head having arcuate ends and chordal sides and provided with diametrically opposite recesses intermediate its lateral faces, an operating stem rigidly connected to the head, downwardly tapered segmental jaws having arcuate serrated outer sides, a tongue at one end of each jaw extending into one of the recesses in the head, a pivot pin engaging in said tongue and in the head above and below the tongue, to retain the tongue in the recess, and compression springs inserted between the head and the opposed inner sides of the jaws and tending to swing the jaws outwardly, the outward movement of the jaws being limited by contact of the sides of the jaws with the chordal sides of the heads.

1,518,088. SIGN. EDWARD C. McNULTY, Kellogg, Minn. Filed Apr. 12, 1923. Serial No. 631,687. 1 Claim. (Cl. 40-61.)



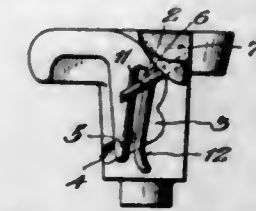
A sign of the character described, comprising a base having a socket in its upper portion, a detachable sign board carried by said base, said board comprising separated vertical panels lying back to back, a sales board hingedly mounted to said sign board, said sales board being adapted to be swung into the space between said separated vertical panels to exclude the same from view, or to be moved beyond the side edges of said panels and exposed to view, fastening means for holding said board in its exposed position, and projections carried by said sign board to engage the socket in said base to removably support the sign in position.

1,518,089. CHANGE-SPEED MECHANISM FOR DRILLING MACHINES OR THE LIKE. JOHN E. MANQUEN, Buffalo, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y. Filed Sept. 13, 1920. Serial No. 409,908. 2 Claims. (Cl. 74-59.)



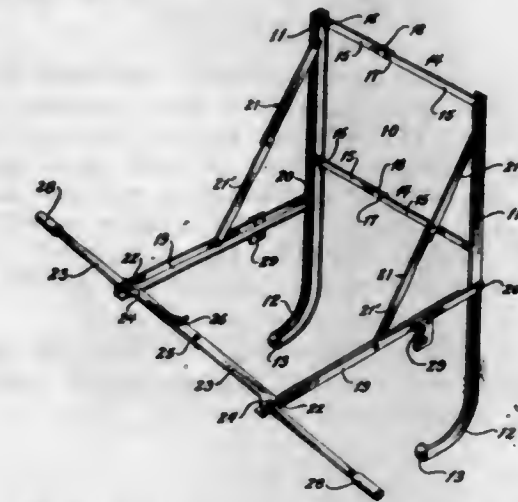
1. In a change speed mechanism for drilling machines, the combination of a shaft, upper, lower, and intermediate gears loosely arranged on said shaft, a second shaft, gears secured on said second shaft and in mesh with said first mentioned gears, a keyway in each of said upper, lower, and intermediate gears, a frame having an arm adjacent said upper gears and through which said first named shaft passes, a longitudinal groove in the gear receiving portions of said first mentioned shaft and extending upwardly a distance above said frame arm, a sleeve slidably keyed on said shaft above said arm, a key movably arranged in said groove and having a part adapted to enter the keyway in either of said upper, lower or intermediate gears, a stop on said first mentioned shaft for limiting the movement of said sleeve in one direction, and said arm limiting the movement of said sleeve in the opposite direction, said key having a part detachably engaging a part of said sleeve, a pin in said groove adapted to bear against said key and maintain it in engagement with said sleeve in either position of said key, and means in said groove for yieldingly holding said key part in the keyways of either of said upper, lower or intermediate gears.

1,518,090. THREAD GUIDE. HAROLD MARSH, New Bedford, Mass. Filed Apr. 17, 1924. Serial No. 707,052. 5 Claims. (Cl. 139-223.)



4. In combination with a thread guide having an upper and a lower finger at its forward end, a downwardly inclined guard extending adjacent the upper finger, and a guard disposed adjacent to the lower finger and having an upwardly extending portion engaging the first named finger.

1,518,091. WINDOW GUARD. ALFRED MATHIS, West Hoboken, and JOSEPH DELPIANO, North Bergen, N. J. Filed Apr. 4, 1924. Serial No. 704,227. 3 Claims. (Cl. 20-71.)



1. A window guard comprising a pair of uprights, foldable braces connecting said uprights, forwardly extending arms pivoted to said uprights, foldable braces supporting said arms from said uprights, levers pivoted to the free end of said arms, the meeting ends of said levers being pivoted together and the free end of said levers extending beyond the sides of the arms for co-action with the casing of a window.

1,518,092. HOLDER. JOHN F. MEEGAN, Fitchburg, Mass. Filed Jan. 14, 1924. Serial No. 686,151. 2 Claims. (Cl. 24-3.)

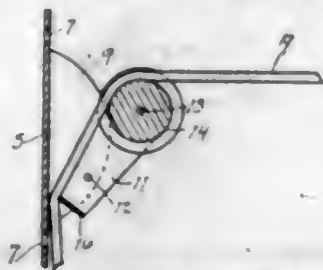


1. A device of the class described comprising a pair of strips pivotally connected together and formed of flexible material, a cap of cup-shape carried by each strip and arranged opposite to each other so that an article can be placed between the caps and means carried by one strip whereby the device can be attached to an article of clothing.

1,518,093. CLOTHESLINE-TERMINAL GRIP. WILLIAM E. MENOLD, Spokane, Wash. Filed Oct. 27, 1923. Serial No. 671,211. 1 Claim. (Cl. 24-133.)

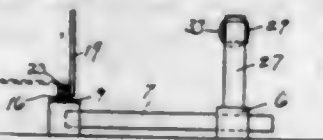
In a gripping device, a plate, wings formed at right angles to said plate, a U-shaped member pivoted between

said wings, the pivotal point of said U-shaped member being nearer one end of said U-shaped member than the other in such a manner that the edge of the U-shaped



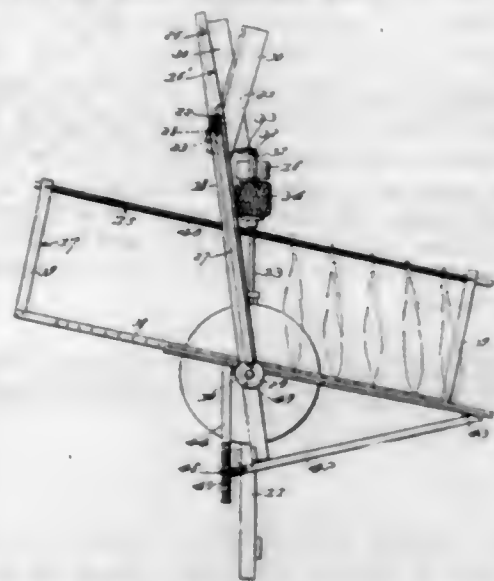
member will contact a rope positioned between said U-shaped member and said plate, and a pulley pivoted to the remote end of said U-shaped member.

1,518,094. TOY. WALTER C. MESSEMER, San Francisco, Calif. Filed Nov. 26, 1923. Serial No. 677,055. 1 Claim. (Cl. 46-59.)



In a toy, parallel spaced supports, adjusting pins extending between said supports, a plate mounted on one of said supports and laterally movable relative thereto, a plurality of targets pivoted to said plate, uprights secured to the other of said supports, resilient members secured to said uprights, a flexible member extending between said resilient members, and a projectile slidable on said flexible member, for the purpose specified.

1,518,095. TOBACCO LOOPER. LEMUEL H. MILLER, Duck Creek, N. C. Filed June 29, 1922. Serial No. 571,734. 6 Claims. (Cl. 131-21.)

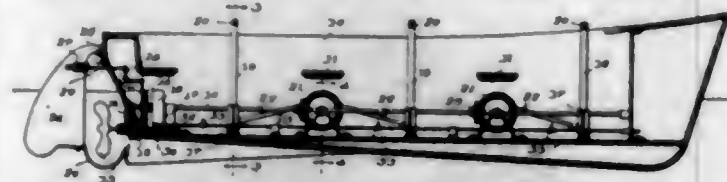


1. A tobacco looper having a feed hopper for the successive reception of tobacco hands or bundles, a revolving looper shaft carrying a stem rest for receiving the stems of hands or bundles arranged in the hopper, a looper arm carried by said shaft for guiding and carrying a looping cord around the rest to loop the stems arranged therein, means for rotating the looper shaft at intervals and alternating in opposite directions, a stick supporting cradle for holding a stick in a position adjacent to the plane of the stem rest, and means for communicating a step by step forward movement to the cradle to advance the stick as the bundles are successively applied thereto.

1,518,096. BOAT. CHARLES W. MOORE, Thorntown, Ind. Filed July 23, 1923. Serial No. 653,308. 2 Claims. (Cl. 115-24.)

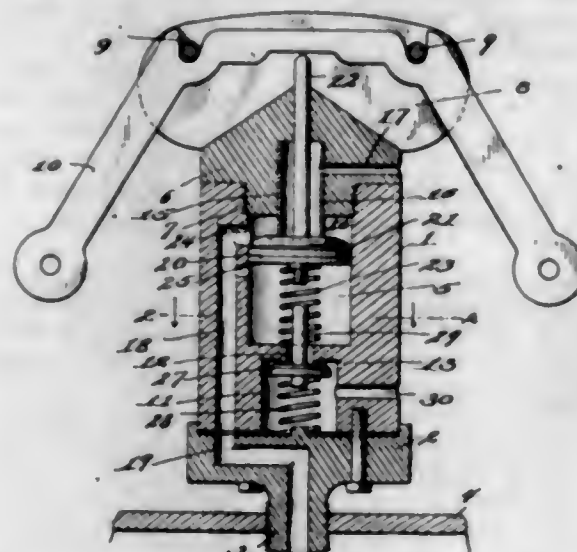
1. A boat of the character described including a hull, a rudder blade pivotally connected to the upper end of the hull, a substantially U-shaped shoe having one

end secured to the hull and its opposite end receiving the lower end of the rudder blade therein, arms extending laterally from the sides of the rudder blade, bell crank levers associated with said arms through the medium of



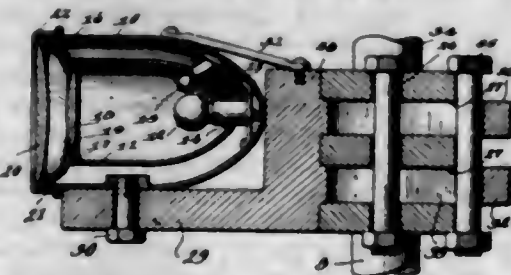
a link carried thereon, lower bell crank levers connecting with said first mentioned levers and rods extending and slidable longitudinally of the hull with means carried thereon for engagement by the operator's feet for the operation of said rudder blade.

1,518,097. AUTOMATIC RELEASE VALVE FOR THE AUXILIARY RESERVOIRS OF AIR-BRAKE SYSTEMS. EARL H. MOREO, Lima, Ohio, assignor of one-fifth to Henry J. Moreo, one-fifth to Montford R. Euler, one-fifth to Ray E. Wood, one-tenth to Nelson H. Tunks, and one-tenth to Clarence W. Baker, all of Lima, Ohio. Filed May 12, 1924. Serial No. 712,766. 3 Claims. (Cl. 303-50.)



1. Release mechanism for the auxiliary reservoirs of air brake systems comprising a member enclosing a chamber, a valve forming a piston within said chamber, said member being provided with a passage communicating with said auxiliary reservoir and having branch passages communicating with said chamber above and below said valve, and being provided also with a passage communicating with said chamber above said valve and leading to atmosphere, said valve operating to alternately close said last named passage and the branch passage below said valve and means operated by said valve for venting that portion of the chamber below said valve to atmosphere after the branch passage below said valve has been closed by said valve.

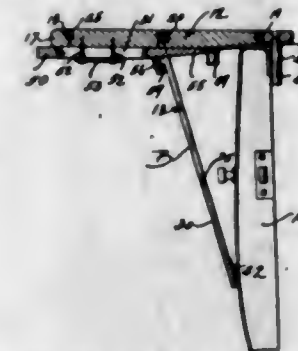
1,518,098. EXTERIOR LIGHTING SYSTEM FOR RAILROAD TRAINS. FRANCIS W. MORRIS and MICHAEL C. NILAND, Lockport, N. Y. Filed Aug. 31, 1923. Serial No. 660,432. 6 Claims. (Cl. 240-7.)



1. Means for illuminating the exterior of railroad trains comprising, in combination with the grip handle of a locomotive tender, a pair of members formed to

clamp the grip handle therebetween, means securing said members together in clamping engagement with the grip handle, a horizontally disposed lamp support adjustably connected to said members by a vertical pivot permitting adjustment of the support in a horizontal plane, and a horizontally disposed projector lamp carried by the support and adjustable therewith to direct the light rays longitudinally or laterally of the tender.

1,518,099. TRAY HOLDER. DANIEL R. NEISWENDER, Topeka, Kans. Filed Feb. 24, 1923. Serial No. 620,908. 6 Claims. (Cl. 45-51.)



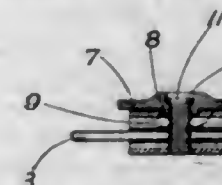
1. In a device of the class described a table portion, a leg pivoted to the table portion, and a wedge slidable on the table portion for engaging the leg whereby the latter may be rigidly braced in various angular positions with respect to the plane of the table.

1,518,100. WINDOW-CLEANING TOOL. FRED A. NIGHBERT, Bakersfield, Calif. Filed Oct. 30, 1923. Serial No. 671,776. 2 Claims. (Cl. 145-47.)



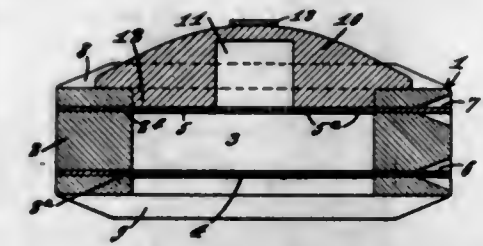
2. A scraping tool embodying complementary concave resilient material sections detachably secured together to form the tool, each of said sections embodying a handle forming portion having the base wall inclined longitudinally at an end thereof and terminating in a substantially flat clamping plate connected with the handle forming portion by a shank portion, blades engaging and retaining means on one of said clamping plates, and means for detachably securing said sections together in tool forming position with the inclined ends of the walls extended inwardly toward each other and compressed so that the shank portions are flexed outwardly to permit the clamping plates to bear against each other under tension.

1,518,101. CLIP FOR SUSPENDERS. FREDERICK OAKLEY, Thornton Heath, and GEORGE WILLIAM GIBBS, Norbury, England. Filed Jan. 23, 1924. Serial No. 688,055. 1 Claim. (Cl. 24-243.)



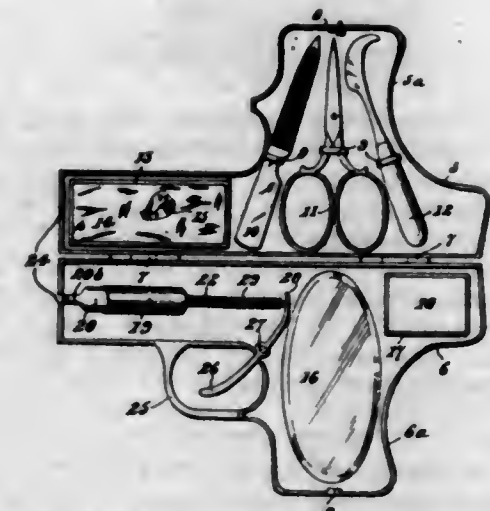
In a suspender clip, inherently resilient jaws, a hole in one of said jaws, a threaded pin, an operating collar on said pin having a threaded connection with one end of said pin, the pin being enlarged beyond its threaded connection with the collar so that the collar cannot be detached from the pin, the pin being passed through the hole with its opposite end secured to the other of said jaws, the diameter of the collar being greater than the width of the clip.

1,518,102. BEEHIVE ATTACHMENT. OREN EDGAR PHILPOTT, Fieldale, Va., assignor of fifteen one-hundredths to Stafford G. Whittle, Jr., and Kennon C. Whittle. Filed Jan. 31, 1924. Serial No. 689,745. 4 Claims. (Cl. 6-9.)



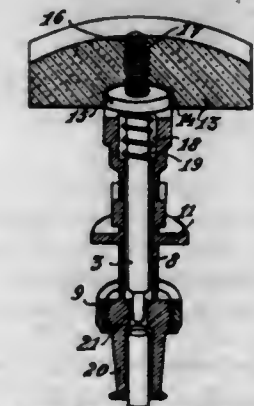
3. A device of the class described comprising a body member having plates slidably mounted to form closures therefor, one of said plates having small orifices and the other openings of a size to permit the workers to pass in and out and to exclude the queen, and a closure to interchangeably fit over said plates and be held engaged therewith.

1,518,103. VANITY CASE. SALVATORE PICCIOTTO, New York, N. Y. Filed Mar. 27, 1924. Serial No. 702,330. 1 Claim. (Cl. 132-83.)



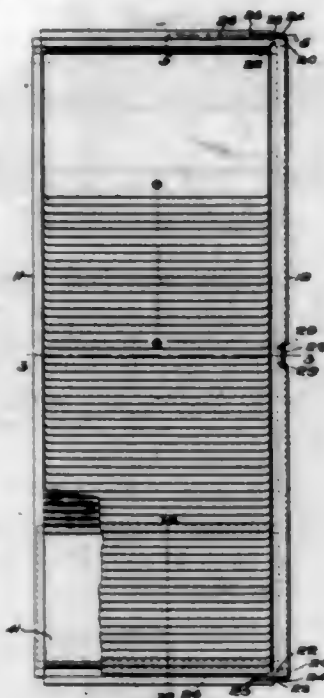
A vanity case of piston formation, said case being formed of similar hinged sections, article retaining means carried by the sections, a perfume container and plunger carried by one section, and a trigger lever carried by the same section for operating the plunger.

1,518,104. ELECTRIC HAMMER. ENNIO POLIDORI, CURZIO POLIDORI, and EMIDIO POLIDORI, Rome, Italy. Filed Jan. 16, 1922. Serial No. 529,665. 3 Claims. (Cl. 172-126.)



1. A metal and stone working device comprising a tool, a barrel-shaped tool-holder, an electrically and spring controlled ram arranged inside the tool-holder within the range of the tool, a laminated horse-shoe magnet having its yoke traversed by the tool-holder, means to hold the tool-holder in place within the magnet, an armature secured to the ram within the range of the pole-faces of the magnet, a disc-shaped projection on the barrel so as to project slightly above the pole-faces of the magnet, guides for the armature, and exciting coils.

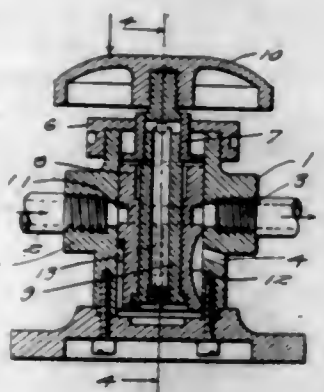
1,518,105. FILING AND INDEXING EQUIPMENT. JOHN T. QUIGLEY, Boston, Mass., assignor to Cost-meter Company, Boston, Mass., a Corporation of Massachusetts. Filed May 31, 1918. Serial No. 237,392. 31 Claims. (Cl. 129-18.)



13. A filing or indexing equipment comprising, in combination, sheet-holder supporting means, sheet-holders supported thereby, sheets held by said sheet-holders, and sheet-holder positive locking means adapted to engage said sheet-holders endwise.

24. A filing device comprising, in combination, a sheet, and sheet-holding means comprising two parts relatively movable longitudinally of the adjacent margin of said sheet, and a mounting having provision normally to limit such longitudinal movement.

1,518,106. WHISTLE-OPERATING VALVE. CHARLES D. RAFFERTY, Sault Ste. Marie, Ontario, Canada. Filed Sept. 20, 1923. Serial No. 663,849. 2 Claims. (Cl. 251-76.)

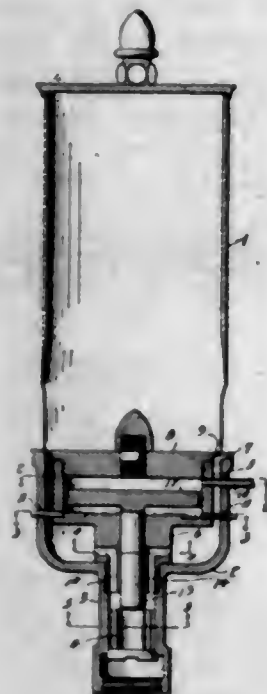


2. A fluid pressure controlling valve comprising a body having an inlet and an outlet and provided with a vent, a valve in the body and having a passage to establish communication between the inlet and the outlet and having a second passage to establish communication between the outlet and the vent, and having a fluid passage leading from the first mentioned passage to an end of the valve for supplying pressure thereto for maintaining the valve in closed position.

1,518,107. FLUID-OPERATED WHISTLE VALVE. CHARLES D. RAFFERTY, Sault Ste. Marie, Ontario, Canada. Filed Oct. 4, 1923. Serial No. 666,527. 2 Claims. (Cl. 116-137.)

2. In a whistle of the character specified, a bowl having a neck, a body carried by the bowl, a self-closing valve within the neck, a cylinder within the bowl spaced

at a portion thereof from its side wall to provide an operating fluid outlet and having a reduced portion coupled to said neck and provided with a passage for the whistle operating fluid, said cylinder having a fluid



pressure inlet pipe and a vent pipe in communication therewith and extending through the bowl, and a piston in the cylinder having a stem passing through the reduced portion thereof for actuating the valve of the whistle.

1,518,108. FIGURE TOY. ALFRED V. RAPP, Akron, Ohio. Filed Nov. 17, 1923. Serial No. 675,338. 5 Claims. (Cl. 46-40.)

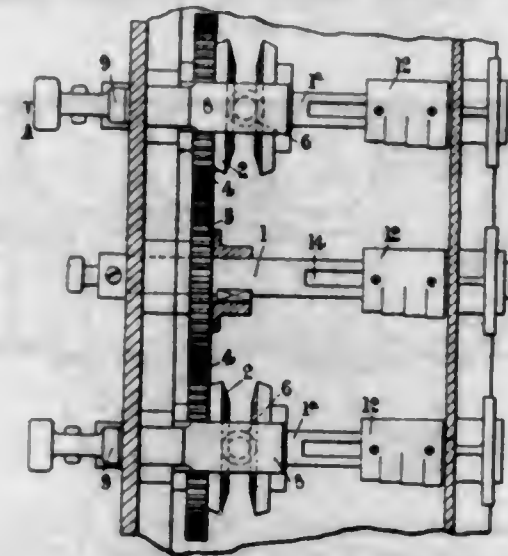


1. A toy comprising a circular base of a thickness to stand of itself and having slots in its upper portion at opposite sides of its vertical median line, a figure body having tabs socketed in the said slots of the base and also having front and back walls and eye openings in its front wall, and an oscillatory member pivoted between the front and back walls of the figure body and having arms extending laterally from said body and also having eye simulations arranged to be exposed by said eye openings and also arranged to move relative to said eye openings to impart a grotesque appearance to the toy when the same is rocked on its base.

1,518,109. TOOTHED GEARING. CARL HENRY RANKIN, Wellsburg, W. Va. Filed Dec. 18, 1923. Serial No. 681,415. 7 Claims. (Cl. 74-7.)

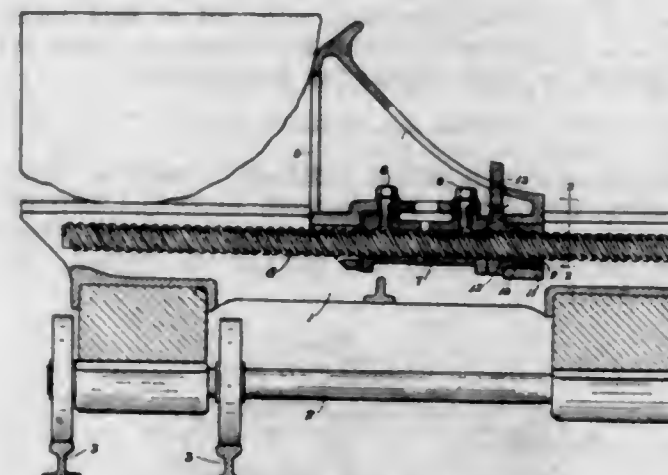
1. Gearing for transmitting synchronized movement comprising multiple faced cams, shafts on which the said

cams are mounted, means for adjusting the position of each cam axially on its shaft, gearing rotationally con-



necting the said shafts and means for altering the phase of each shaft with respect to the other shafts.

1,518,110. SAWMILL-CARRIAGE KNEE. JOSEPH S. REID, Olean, N. Y., assignor to Clark Brothers Company, Olean, N. Y., a Corporation of New York. Filed Oct. 24, 1922. Serial No. 596,541. 1 Claim. (Cl. 143-124.)



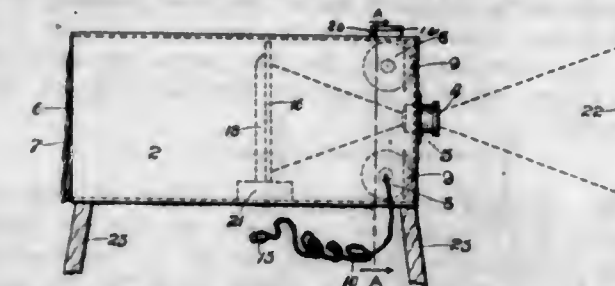
The combination of a log carriage knee, a feed screw, a stationary nut screwed thereon, bolts for fastening the stationary nut to the knee, a rotatable auxiliary nut arranged between the outer end of the knee and the stationary nut and abutting against the stationary nut, the nuts tending to push in opposite directions for taking up wear on the threads of the screw, the rotatable nut having a sleeve received in a bearing in the outer end of the knee, an arm extending upwardly from the rotatable nut, and adjusting screws in position to move the arm for taking up wear on the feed screw.

1,518,111. OPTICAL APPARATUS FOR USE IN THE HAND REPRODUCTION OF DRAWINGS, PHOTOGRAPHS, AND OTHER ILLUSTRATIONS OR DESIGNS. VIRGIL GAVAN REILLY, Sydney, New South Wales, Australia. Filed Jan. 3, 1923. Serial No. 610,455. 1 Claim. (Cl. 88-24.)

Apparatus for the purpose indicated comprising in the combination of an elongated rectangular box or casing open at its rear end, a curtain covering said open end, a projecting lens positioned in the front end of said box, a stand or easel slidably mounted within said box and comprising an upstanding board adapted to hold an illustration or picture to be reproduced, and a ledge or base projecting forwardly from the lower end of said board to support an article or object for reproduction.

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an electric lamp or lamps located within said box between the projecting lens and the sliding stand or easel and



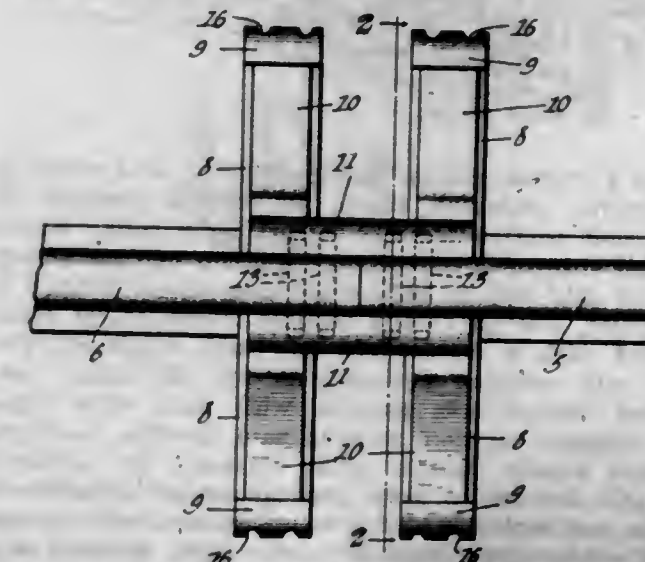
reflectors attached to the front end of said box to reflect the light from the lamps on to the front of said easel substantially as described.

1,518,112. HEADLIGHT GLARE SHIELD. WILLIAM GEORGE RUSCOE, Stamford, Conn. Filed Apr. 1, 1924. Serial No. 703,470. 1 Claim. (Cl. 240-45.)



A glare shield for headlights, comprising a member mounted within the lamp housing in a position for permitting of the normal projection of the light rays therefrom, means connected therewith for moving said member to a position to intercept and deflect the light rays laterally on one side of the road whereby to shield the eyes of the drivers of approaching vehicles from the glare, said member comprising a segmental apron conforming in shape to a position of the inner reflecting surface of the lamp housing, a hinged connection between the lamp housing and said member, and means connected therewith and extending through the lamp housing for actuating the same, said means consisting of an electromagnet, an armature, means for normally swinging the armature away from the magnet when deenergized for moving and retaining the apron in its active position, said magnet serving when energized to swing the apron to its active position.

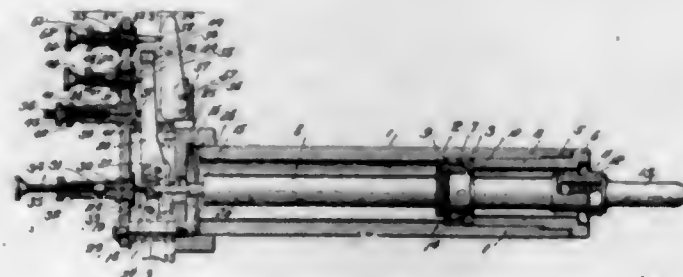
1,518,113. RAIL COUPLER. LOUIS MARTAIN SARTAIN, Pelham, Tenn., assignor of one-tenth to John W. Marler, Altamont, Tenn.; one-tenth to William H. Woodlee, one-tenth to William G. Woodlee, one-tenth to Lorenzy D. Oakes, and one-tenth to Harvey Hamby, Pelham, Tenn.; one-tenth to William J. Hines, Decatur, Tenn.; one-tenth to Dock Christian, Morrison, Tenn.; and one-tenth to William P. Stone, Tracy City, Tenn. Filed June 19, 1924. Serial No. 721,051. 1 Claim. (Cl. 238-210.)



In combination with the adjacent ends of rail sections, a base plate including a base of a width equal to the width of a rail base, laterally extended arms formed

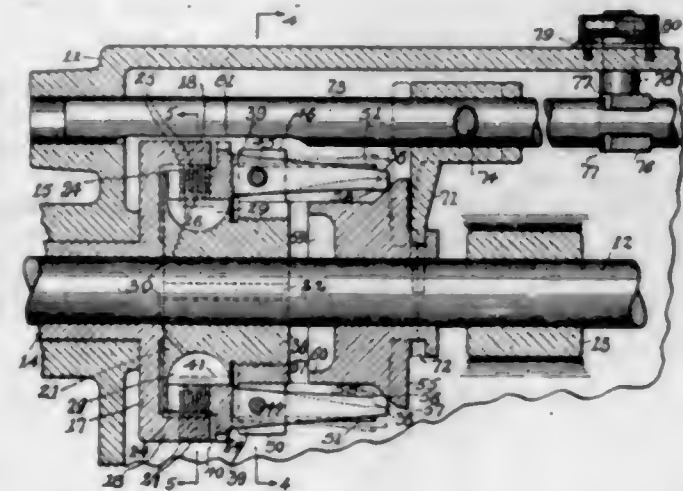
integral with the base plate and having hook portions at their ends, fish plates having arms, the outer ends of the arms being disposed under the hook portions and pins extending through the adjacent ends of the rail sections and extending into the fish plates for securing the fish plates against movement longitudinally of the rail sections.

1,518,114. ELECTRIC TRACER. JOHN C. SHAW, Brooklyn, N. Y., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 19, 1922. Serial No. 562,228. 8 Claims. (Cl. 90—62.)



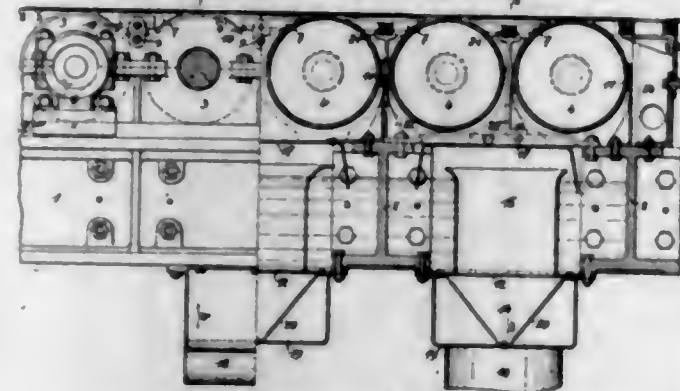
1. An electric tracer, comprising a tracer bar, secured to one end of which there is a tracer point, and to the other end an operating finger, means for pivotally supporting said bar between its ends for lateral and longitudinal movement of both the tracer point and finger, and members carrying circuit closing contacts, adapted to be operated by said finger, said contacts being opened and closed by lateral and longitudinal movements of said finger by contact of the tracer point with the pattern.

1,518,115. FRICTION CLUTCH. PAUL S. WARD, Cincinnati, Ohio, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 26, 1922. Serial No. 584,409. 3 Claims. (Cl. 192—69.)



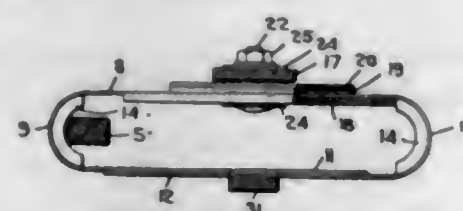
3. In a friction clutch, the combination of a rotatable hub, friction members, means for causing pressure between said friction-members comprising a collar having threaded adjustable connection with said hub for adjustment of said hub in said collar cam-levers pivoted to said collar, and an axially slidable frusto-conical collar provided with a contact-face and said cam-levers provided with coacting contact-faces for the latter, said coacting contact-faces parallel with each other upon fully engaged relation between said friction members, and said axially slidable collar arranged for abutment with said first-named collar throughout the adjustments of said hub within said first-named collar, and said coacting contact-faces on said levers being parallel with each other upon abutment between said collars throughout said adjustments of said hub within said first-named collar.

1,518,116. SUCTION BOX FOR PAPER MACHINES AND THE LIKE. MAX WENZEL, Muldenstein, Kreis Bitterfeld, Germany. Filed Jan. 9, 1924. Serial No. 685,247. 7 Claims. (Cl. 92—51.)



1. A suction-box comprising supporting frames, sheets transversely arranged between said frames, bottom pieces arranged between said frames and sheets, wire-supporting rolls carried by said frames, end pieces mounted on said frames and closing the space between the ends of said rolls and said frames by leaving a joint against the adjacent sides of all of said rolls, deckle heads arranged to slide on said end pieces between said rolls near each end thereof for adapting the working length of said box to the width of paper being made, tightening ledges resting on said sheets, and extending along said rolls from one side to the other, bordered tightly on said end pieces and leaving a joint against the adjacent surface of the wire-supporting rolls, all of said joints being wide enough to be sealed and rinsed by water but near enough to make difficult the passage of air.

1,518,117. PICKER-STICK CHECK. ARTHUR BEACHEMIS, Burlington, Vt., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 20, 1922. Serial No. 602,115. 4 Claims. (Cl. 139—165.)

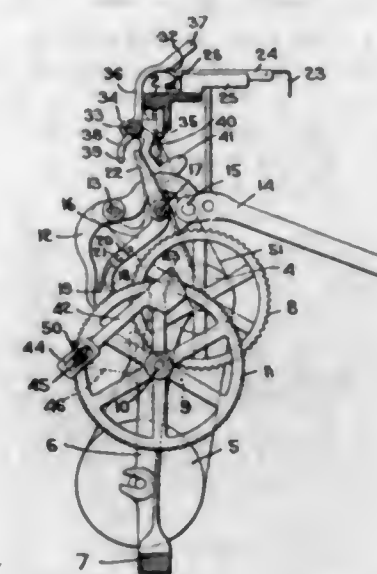


1. A picker stick check for looms comprising a support, brackets mounted on the support, an endless elongated flat stiff resilient loop mounted to slide longitudinally between the brackets, and means for effecting relative bodily transverse adjustment of said brackets thereby to produce sufficient friction on the sides of the loop to give the requisite retardation to the loop when struck by the picker stick.

1,518,118. LET-BACK MECHANISM FOR LOOMS. FREDERICK J. NORRIS, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 24, 1922. Serial No. 576,974. 2 Claims. (Cl. 139—116.)

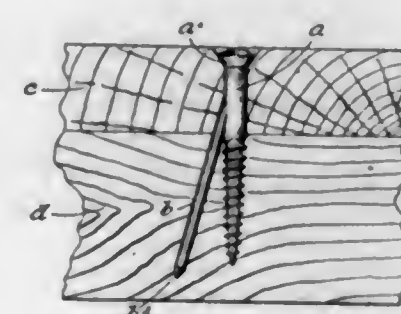
1. In a loom comprising knock-off mechanism, a take-up roll and means for rotating said take-up roll including a ratchet, a reciprocable actuating lever having a gravity pawl engaging said ratchet, a detent pawl underlying said gravity pawl normally acting to prevent let-back both during the operation and stoppage of the loom, but operable when raised to raise said gravity pawl out of engagement with said ratchet, and upwardly extending arm on said detent pawl, a manually operable pawl-releasing lever having an arm positioned to engage the upwardly extending arm of said detent pawl upon

manual actuation of said pawl-releasing lever, means acting normally to hold said pawl-actuating lever from such engagement and a let-back pawl engaging said



ratchet having means for limiting the retrograde rotation of said take-up roll upon the release of said actuating and detent pawls.

1,518,119. LOCKED FASTENING. WARREN C. REES, Somerville, Mass., assignor to Aseptic Service Company, Boston, Mass., a Corporation of Maine. Filed Aug. 5, 1922. Serial No. 579,864. 3 Claims. (Cl. 151—32.)

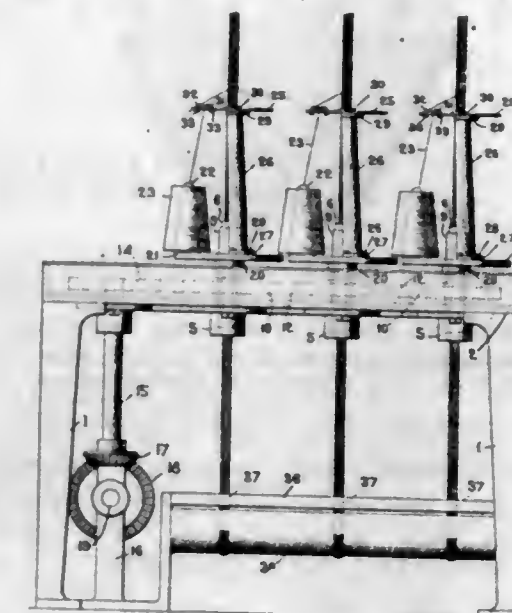


1. A fastening comprising a main member having a straight inclined passage from one end to one side thereof, and having a socket or recess in said end about the opening of the passage, and a straight locking member adapted to be driven through said passage, the locking member being provided with a head which is adapted to be completely and closely surrounded by the wall of the socket or recess in the end of the main member.

1,518,120. WINDING MACHINE. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 27, 1923. Serial No. 677,209. 6 Claims. (Cl. 28—24.)

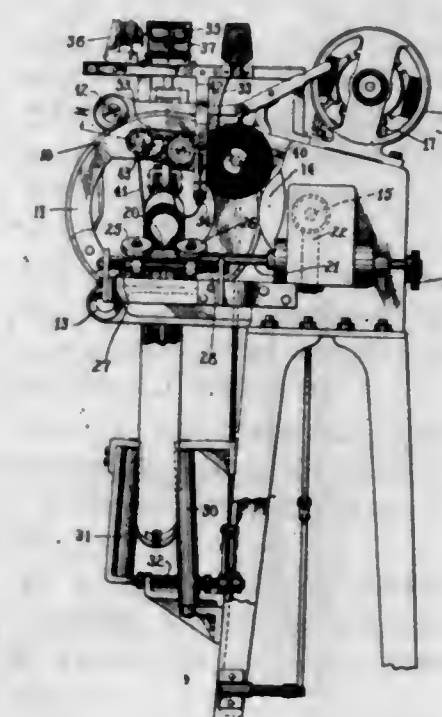
1. A winding machine for binding a travelling chain of yarn comprising a stationary tubular guide for the chain, a support for the binder rotatable about said tubular chain guide and having a binder supporting spindle located at a distance from the axis thereof, a standard extending upwardly from said support pre-

senting a longitudinal opening to permit access to said chain and provided at its upper end with a passage for the chain in axial alignment with said tubular chain



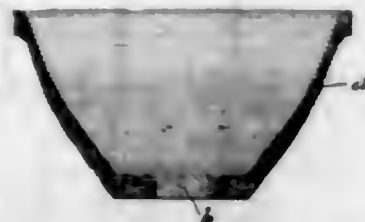
guide and with means for guiding the binding located at a distance from said passage operable to wind the binder upon the chain beyond the end of said standard.

1,518,121. GLUING DEVICE FOR TIRE-WRAPPING MACHINES. JOHN H. ROBERTS, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 31, 1920. Serial No. 370,315. 6 Claims. (Cl. 242—6.)



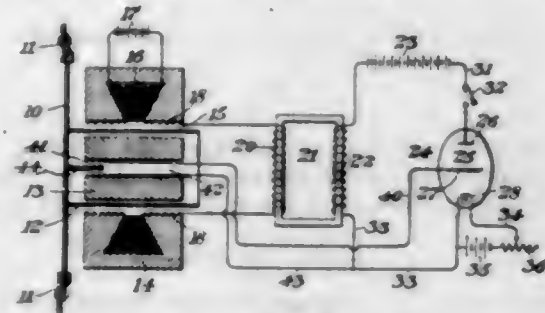
1. In a wrapping machine of the type wherein the paper is carried around the article in successive spirals by a rotating shuttle, a glue applying device carried by said shuttle and adapted to apply glue to the paper said device being positively actuated by the withdrawal of paper from the shuttle.

1,518,122. PAPER TAPE PRODUCT AND METHOD OF MAKING THE SAME. HOWARD A. TWISS, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed July 3, 1923. Serial No. 649,388. 2 Claims. (Cl. 93—1.)



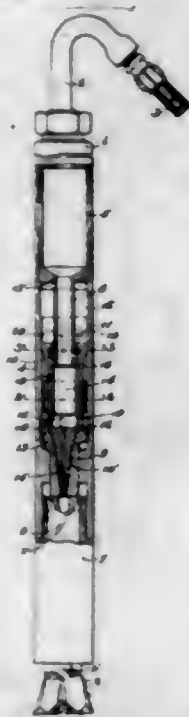
1. The method of making a hollow article, consisting in exerting lateral pressure against a portion of one side of a flat coil of tape, while dry, to convert it to the form desired for such article, and then treating the re-shaped coil to ensure its permanence.

1,518,123. EXCITING MEANS FOR ELECTRODYNAMICAL OSCILLATORS. HARRY P. LAWTHORP, Jr., Dallas, Tex., assignor to John Hays Hammond, Jr., Gloucester, Mass. Filed Aug. 29, 1918. Serial No. 251,024. 3 Claims. (Cl. 177—386.)



1. In a signalling system, the combination with a mechanically vibratory element having a natural period of mechanical vibration, of means for vibrating said element including a thermionic valve, and means for varying the potential impressed on the grid circuit of the valve by and in accordance with the vibrations of said vibrating element.

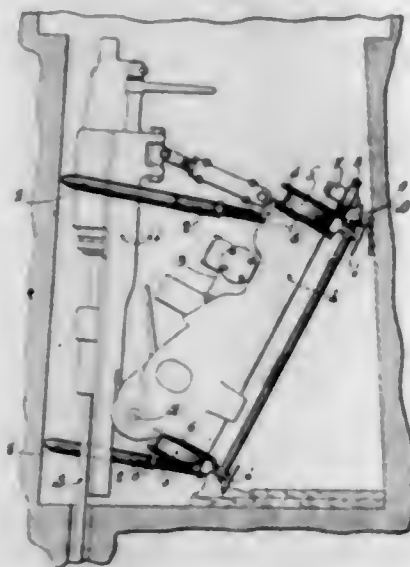
1,518,124. APPARATUS FOR DRILLING HOLES. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 28, 1918. Serial No. 256,055. 13 Claims. (Cl. 121—17.)



1. In a valveless pneumatic tool, the combination comprising a cylinder, a single movable member therein, means for delivering fluid pressure to the member and

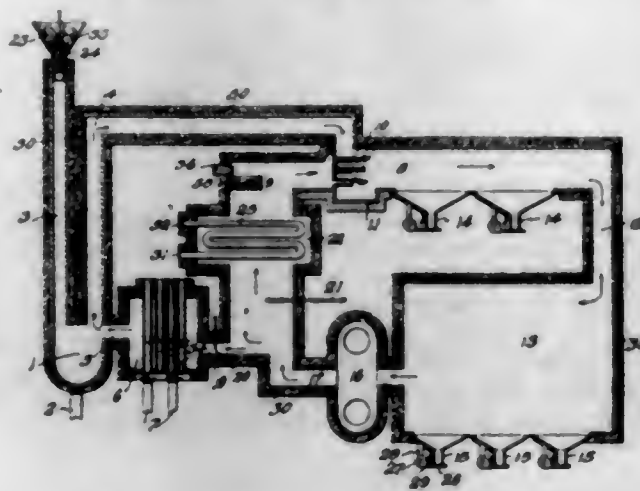
from the member to both ends of the cylinder to move the member, and means lying within the transverse limits of the cylinder bore extended for exhausting in the same direction fluid pressure used to effect each stroke in either direction during the succeeding stroke.

1,518,125. CHANNELING MECHANISM. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 1, 1921. Serial No. 474,241. 11 Claims. (Cl. 262—15.)



1. Channeling mechanism comprising a track tilted at an angle to the horizontal and a channeler adapted to normally run upon a horizontal track to cut a substantially vertical kerf, said channeler also being adapted to run on said tilted track and have the steels thereof operating at a slight angle to the vertical, whereby the distance between the cut so made and the projection of the upper side of the tilted track on a horizontal plane may be less than the width of the track.

1,518,126. PROCESS OF CONVERTING MASSIVE AND OTHER FORMS OF SULPHUR INTO FINELY-DIVIDED FLOWERS OF SULPHUR. CHARLES J. REED, San Mateo, Calif., assignor of one-half to Alice A. Hall, San Francisco, Calif. Filed Aug. 1, 1923. Serial No. 655,110. 3 Claims. (Cl. 23—10.)



1. The process of producing flowers of sulphur, which consists in vaporizing the sulphur at a temperature not lower than the boiling point of sulphur, mixing the vapor of sulphur with an inert gaseous circulating medium also at a temperature not less than the boiling point of sulphur, and subsequently mixing these products with an inert gaseous circulating medium at a lower temperature.

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CONTENTS.	Page.
ISSUE OF DECEMBER 9, 1924.....	261
NOTICE OF CANCELLATION.....	261
ADJUDICATED PATENTS.....	261
EXAMINERS' LETTERS AND AMENDMENTS.....	261
APPLICATIONS UNDER EXAMINATION.....	262
COMMISSIONER'S DECISIONS—	
Ex parte Chapman.....	263
Ex parte Mmo. v. V. Maginley.....	264
Ex parte Ashaway Line & Twine Manufacturing Com- pany.....	264
Ex parte The Apex Electrical Manufacturing Company.....	264
Seeger v. Wilson.....	265
Ex parte The H. K. H. Silk Co.....	266
DECISIONS OF THE U. S. COURTS—	
Rogers v. Willoughby and Lowell.....	266
PATENT SUITS.....	273
INTERFERENCE NOTICES.....	274
TRADE-MARKS PUBLISHED (277 APPLICATIONS).....	275
TRADE-MARK REGISTRATIONS GRANTED.....	312
TRADE-MARK REGISTRATIONS RENEWED.....	326
LABELS.....	326
PRINTS.....	327
REISSUES.....	327
DESIGNS.....	328
PATENTS GRANTED.....	338

Issue of December 9, 1924.

Trade-Marks.....	320—No. 192,495 to No. 192,944, inclusive.
T. M. Renewals.....	11
Labels.....	16—No. 27,912 to No. 27,927, inclusive.
Prints.....	2—No. 7,601 to No. 7,602, inclusive.
Reissues.....	6—No. 15,958 to No. 15,963, inclusive.
Designs.....	47—No. 66,173 to No. 66,219, inclusive.
Patents.....	971—No. 1,518,127 to No. 1,519,097, inclusive.
Total.....	1403

Notice of Cancellation.

U. S. PATENT OFFICE, Washington, Nov. 12, 1924.

Water Power Vacuum Cleaner Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of M. S. Wright Company, of Worcester, Mass., to effect the cancellation of the trademark registration of Water Power Vacuum Cleaner Company, of 728-732 Main Street, Buffalo, N. Y., No. 84,556, dated December 19, 1911, and the notice of such proceeding sent by registered mail to the said Water Power Vacuum Cleaner Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Water Power Vacuum Cleaner Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will proceed as by default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

ADJUDICATED PATENTS.

(C. C. A. N. Y.) Gauthier & Rodrigues-Ely patent, No. 874,666, for apparatus for cutting metals, claim 1 *Held* valid and infringed. *Davis-Bournonville Co. v. Alexander Milburn Co.*, 1 F. (2d) 227.

(C. C. A. N. Y.) Rodrigues-Ely & Gauthier patent, No. 880,099, for welding torch, claims 2 and 3 *Held* invalid. *Davis-Bournonville Co. v. Alexander Milburn Co.*, 1 F. (2d) 227.

(C. C. A. Calif.) Coffey patent, No. 1,010,020, for improvements in water-cooling tower, *Held* not infringed. *Cooling Tower Co. v. C. F. Braun & Co.*, 1 F. (2d) 178.

(C. C. A. N. Y.) Whitford patent, No. 1,028,410, for torch for cutting metals, claims 3, 6, and 7 *Held* valid and infringed. *Davis-Bournonville Co. v. Alexander Milburn Co.*, 1 F. (2d) 227.

(C. C. A. N. J.) Aronson patents, Nos. 1,140,649 and 1,140,650, for improvement in doll talking devices, *Held* valid and infringed. *Aronson v. Toy Devices*, 1 F. (2d) 91.

(C. C. A. Mo.) Chamberlin & Fezzy patent, No. 1,212,128, for covering compartment package for mailing purposes, *Held* invalid. *Fezzy v. Bemis Bro. Bag Co.*, 1 F. (2d) 116.

(C. C. A. N. J.) Callahan patent, No. 1,390,758, for thermostatic control of dampers in unit ventilators, *Held* invalid. *Callahan v. Nesbitt*, 1 F. (2d) 75.

(C. C. A. Calif.) Braun patent, No. 1,442,784, for knockdown water-cooling tower, *Held* invalid. *Cooling Tower Co. v. C. F. Braun & Co.*, 1 F. (2d) 178.

Examiners' Letters and Amendments.

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Condition of Applications Under Examination at Close of Business November 28, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 55,430; Trade-Mark Division, 2,096. Oldest new case, Mar. 31, 1924; oldest amended, Mar. 31, 1924. The dates given are 1924.)	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	June 16	July 5			928
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	June 4	June 5			725
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 13	Sept. 2			189
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	May 16	July 18			820
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	May 6	May 6			961
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	May 5	May 15			1,090
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	June 7	July 1			1,434
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	July 21	Sept. 10			1,229
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 12	Oct. 16			364
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	June 11	July 21			1,324
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Aug. 1	Aug. 8			802
380	12. PIERCE, P. P., Machine Elements.	June 30	June 19			893
154*	13. NIXON, G. A., Bolt, Nut, Nail, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Apr. 19	May 10			1,060
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	June 23	Sept. 18			432
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	May 29	June 9			1,309
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	May 2	May 12			1,359
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 5	Aug. 28			731
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Mar. 31	Mar. 31			1,198
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 2	Sept. 8			817
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	June 2	May 27			1,170
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	May 14	Aug. 30			534
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	May 5	May 5			1,025
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	June 7	June 21			477
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	June 4	June 4			805
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 30	Sept. 18			657
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Apr. 1	May 27			791
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	June 9	July 16			964
225	28. BENSON, A. R., Internal-Combustion Engines.	June 4	June 26			1,052
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Apr. 28	May 16			1,161
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	June 2	Sept. 2			1,154
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	June 14	June 13			987
240	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	June 2	June 5			870
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	July 19	July 19			1,058
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	July 5	July 3			682
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 18	Sept. 17			602
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	June 11	June 18			1,469
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	May 8	May 20			1,597
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermis Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	June 13	June 9			1,093
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	June 30	July 10			603
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Apr. 16	July 31			1,872
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	May 9	June 23			606
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Apr. 7	Apr. 24			1,468
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Apr. 18	May 10			1,160
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	May 10	June 23			1,048
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	May 23	June 9			809
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	May 12	Apr. 22			961
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	May 20	May 27			1,460
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Apr. 11	Apr. 25			1,902
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	May 19	June 30			899
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Apr. 10	Apr. 21			1,709
240*	51. BACKUS, O. D., Radiant Energy, Wave Transmission; Electric Lamps.	May 10	May 5			2,215
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	July 12	July 31			767
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 10	May 10			1,383
102	DESIGNS: C. O. MARKHAM (Acting)	Oct. 22	Nov. 4			546
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints)	Oct. 28	Nov. 10			1,513
		Sept. 8	Aug. 23			683

*Refers to room numbers in the annex.

262

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE CHAPMAN.

Decided June 12, 1923.

1. DOUBLE PATENTING.

An applicant can not obtain a second patent for an invention already patented to him, and this is true whether the application for the already-granted patent was filed before or after the filing of the application for the second patent.

2. SAME—PATENTABILITY OF SECOND APPLICATION OVER INVENTION FIRST PATENTED—CONSIDERATION OF PRIOR ART.

An applicant can not obtain a second patent unless what is set forth in the claims involves an invention over what has already been patented to him, and in determining whether such claims of the second application define invention over what has been patented in his prior patent it is proper to consider the prior art in connection with such previously-granted patent.

3. SAME.

If with the applicant's prior patent and the other prior art placed before him nothing but ordinary mechanical skill is necessary to produce the device for which applicant is seeking a second patent, he has made no second invention and is not, therefore, entitled to a second patent. *Ex parte Thomas*, 251 O. G. 839; *In re Isherwood*, 245 O. G. 847; and *Willcox and Gibbs Sewing Machine Co. v. Merrow Machine Co.*, 85 O. G. 1078, cited.

APPEAL from the Examiners in Chief.

Messrs. Graham & Harris for the applicant.

KINNAN, First Assistant Commissioner:

The applicant appeals from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to the claims.

The claims are directed to a signaling device to be attached to the wheel of a vehicle, preferably an automobile wheel, and to serve as a theft signal.

It is apparent from an inspection of the device of the application and the prior art that there could not be room for this great number of claims. Certainly not all of them could be patentable.

The patent to Chapman [1,343,709], as pointed out by the Examiners in Chief and the Examiner, discloses and claims a device of the same general character and intended for the same purpose. This fact is not disputed by appellant; but he contends that the patent is not a reference, because the application upon which it was based was filed subsequent to the date of the filing of the application of which the present application is a division. It is noted this patent is applicant's own patent.

[1, 2, 3] It is entirely obvious that applicant can not obtain a second patent for an invention already

patented to him, and this is true whether the application for the already-granted patent was filed before or after the filing of the application for the second patent. It is also settled law that he can not obtain a second patent unless what is set forth in the claims involves an invention over what has already been patented to him. In determining whether such claims of the second application define invention over what has been patented in appellant's prior patent it is proper to consider the prior art in connection with such previously-granted patent. If with the applicant's prior patent and the other prior art placed before him nothing but ordinary mechanical skill is necessary to produce the device for which applicant is seeking a second patent, he has made no second invention and is not, therefore, entitled to a second patent.

In *Ex parte Hammond and Hammond* (301 O. G. 1051; 1922 C. D. 15), I held a claim in a later application, to be patentable, must define something in addition to and which involves an invention over what is covered by the patent and the prior art. Reference was made in that decision to *Ex parte Thomas* (251 O. G. 839; 1918 C. D. 11) and also to the holding of the Court of Appeals, D. C., *In re Isherwood* (245 O. G. 847; 1917 C. D. 226; 46 App. D. C. 507). Attention is further invited to the holding of the Circuit Court of Appeals, Second Circuit, 1898 (93 Fed. 206; 85 O. G. 1078; 1898 C. D. 584), in the case of *Willcox & Gibbs Sewing Machine Co. v. Merrow Machine Co. et al.*, which also supports this view.

It is believed proper in view of the foregoing to consider whether the appealed claims define an invention over the patented Chapman device and the devices disclosed in Traver [969,425] and McCall [1,147,523]. Since applicant has already patented the theft signal of this general type and seeks a second patent for substituting the Traver chains for the solid sides of the patented theft-signal device, it is thought this change or substitution is not one involving an inventive concept. The devices of the Chapman patent and that to Traver are not deemed as pertaining to nonanalogous arts. It is held to be obvious that anyone seeing both these patents would be able to adapt the Traver chains as the means for holding the bumping lock of the Chapman patent on the periphery of the tire without exercising more than the most obvious mechanical skill.

The decision of the Examiners in Chief is affirmed.

263

EX PARTE MME. V. V. MAGINLEY.

Decided October 22, 1924.

TRADE-MARKS—MARKS MUST INDICATE ORIGIN OR OWNERSHIP—ACT OF MARCH 19, 1920—"BLACK : POMADE."

Under the Trade-Mark Act of March 19, 1920, as well as under the act of February 20, 1905, it is essential that the trade-mark must indicate origin or ownership.

ON APPEAL.

Mr. Joshua R. H. Potts for the applicant.

KINNAN, First Assistant Commissioner:

This case comes on for review, on petition of the applicant, of the decision of the Examiner of Trade-Marks denying registration, under the act of March 19, 1920, of the words "Black : Pomade," a preparation for coloring the hair. The ground upon which registration is denied is that the mark is merely a commercial name of the goods and does not indicate to purchasers either origin or ownership—that is, that appellant has not shown trade-mark use of the words.

The point has been pressed by appellant that the Examiner is in error in holding it essential, under the act under which registration is sought, that the trade-mark must indicate origin or ownership. Reference has been made, in support of the appeal, to well known trade-marks and also to registrations of marks which, appellant contends, are no more trade-marks than that presented in the instant case.

None of these contentions are persuasive of error. The Trade-Mark Act of 1920 states, in its title, that it is for the protection of trade-mark and commercial names. Section 1 (b) makes it clear that, under the conditions recited in this paragraph, the marks that are to be entered upon the register are trade-marks. The definition of trade-marks, as given in adjudicated cases, especially the basic decision of the United States Supreme Court in the *Elgin National Watch Company v. Illinois Watch Case Company*, 94 O. G. 755; 1901 C. D. 273; 179 U. S. 665, as well as other decisions relied upon by the Examiner, has been uniformly deemed applicable to trade-marks sought to be entered on the register under the act of 1920. In the case of *ex parte Marrett, Bonnin, Lebel, and Guieu*, 308 O. G. 231; 1923 C. D. 16, the word "Similor" was held to be merely the name of a metal and not a registerable trade-mark. "Rim Wind" and "Rim Set" were held not to constitute proper trade-marks under this act, for the reason that they did not indicate origin or ownership, and the public generally would not recognize them as used in a trade-mark sense. *Ex parte Keyless Auto Clock Co.* 309 O. G. 223; 1923 C. D. 25. The words "Extra Strength," used for fishing lines, were held not to constitute a proper trade-mark, for the same reasons urged against the registration sought by appellant. *Ex parte Ashaway Line & Twine Mfg. Co.*, February 1, 1924, 329 O. G. 264.

The word "Pomade" merely means a perfumed ointment frequently used as an unguent for the hair. To merely describe this well-known com-

pound as being black does not impart any significance that the words are used in any other than the ordinary descriptive sense, and it is not believed this act contemplates such words being placed upon the register. See also *Chas. Broadway Rouss, Inc. v. Winchester Co.* 300 F. R. 706.

The decision of the Examiner is affirmed.

EX PARTE ASHAWAY LINE & TWINE MANUFACTURING COMPANY.

Decided February 1, 1924.

TRADE-MARKS—ACT OF 1920—TRADE-MARK USE—"EXTRA STRENGTH."

Where the applicant relied on labels for fishing line bearing the words "Extra Strength Line. Waterproof. 100 Yds." Held that "Extra Strength" had not been used as a trade-mark, and registration under the act of 1920 was refused.

ON APPEAL.

Messrs. Broton & Seaward for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiner of Trade-Marks refusing to register under the act of March 19, 1920, "Extra Strength" as a trade-mark for fishing line.

One specimen filed shows the words "Extra Strength Line" associated with the picture of a skunk and an illustration of a swastika, with the words "Swastika Brand." The picture of a skunk has been registered as trade-mark No. 155,370, and applicant here relies especially on labels bearing the words "Extra Strength Line. Waterproof. 100 Yds."

I am unable to find under these circumstances that "Extra Strength" has been used as a trade-mark. I believe the case is controlled by *Ex parte Marret, Bonnin, Lebel and Guieu*, 308 O. G. 231; 1923 C. D. 16, in which registration was refused for "Similor," and *Ex parte Keyless Auto Clock Company*, 309 O. G. 223; 1923 C. D. 25, in which "Rim Wind" and "Rim Set" were refused registration. See also *In re B. F. Goodrich Company*, 313 O. G. 663; 1923 C. D. 260; 52 App. D. C. 261.

The Examiner of Trade-Marks is affirmed.

EX PARTE THE APEX ELECTRICAL MANUFACTURING COMPANY.

Decided April 4, 1924.

1. PRINTS AND LABELS—PRINTS—MUST BE DESCRIPTIVE OF ARTICLE.

A proposed print consisting of the picture of an hourglass on which is printed "A Woman's Time How Much is it Worth?" is not descriptive of an article of manufacture, as required by the rules, unless that article be an hourglass.

2. SAME—PRINTS AND TRADE-MARKS DISTINGUISHED.

If the matter described in the preceding paragraph indicates applicant's goods, it must be a trade-mark, since it is not descriptive of the goods and carries no term indicating what the goods are.

3. SAME—PRINTS—PORTION OF A CIRCULAR OR PAMPHLET.

An applicant may not pick out and separate a portion of a circular or a pamphlet and register that portion as a print.

ON APPEAL.

Messrs. Smith & Freeman for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiner of Trade-Marks refusing registration of a print. The identical matter here involved was considered and decided adversely to applicant in *Ex parte Royal Medicine Company*, 100 O. G. 2775; 1902 C. D. 337.

[1] The print proposed consists of the picture of an hourglass on which is printed "A Woman's Time How Much is it Worth?" The specimens submitted consist of the front or cover page torn from a circular or pamphlet. It is clear that there is nothing in the print complying with the requirement of the rules which is descriptive of an article of manufacture, unless that article be an hourglass; but the present application does not relate to a print for an hourglass.

[2] The law clearly distinguishes between a print or a label and a trade-mark. If the matter here presented indicates applicant's goods, it must be a trade-mark, since it is not descriptive of the goods and carries no term indicating what the goods are. One looking at the print presented would get no definite idea of the message which it was intended to convey. Applicant calls attention to the fact that the statute relates to prints or labels designed to be used for any other articles of manufacture. The word "designed" apparently means the same as intended. Applicant suggests that the intention may be proved in several ways. Applicant admits that if the print itself bears on its face descriptive matter indicating the goods which it advertises it is an appropriate way of indicating intention. It is also insisted that a statement by the applicant that the print is intended for use in connection with definite goods should be considered sufficient proof. It is to be remembered, however, that the statute provides that there shall be deposited at least two copies of the print as actually published. It is clear, then, that if the print is intended to be used for other articles of manufacture, the print as published will clearly indicate that fact by carrying matter descriptive of the other articles of manufacture. This indication is clearly absent in the present case.

[3] I know of no holding that, nor do I know of a logical reason why, applicant may pick out and separate a portion of a circular or a pamphlet and register that portion as a print. If that were permissible, an ornamental title-page to any book could be so registered. The print here submitted apparently is an integral part of a circular or pamphlet. Apparently the circular or pamphlet as a whole may receive proper protection if deposited in the office of the Register of Copyrights with the proper formality. As such, section 3 of the Copyright Act of 1909 would seem to give sufficient protection for that component part of the circular which appears on the cover. Deception might be worked upon the public by allowing registration of the present matter as a print, since the placing of the copyright notice on the title-

page of the pamphlet would indicate to the public that the pamphlet as a whole is protected by copyright.

The decisions support the action of the Examiner and logic supports it.

The Examiner of Trade-Marks is affirmed.

SEEGER v. WILSON.

Decided September 19, 1924.

AMENDMENTS—MATTER NOT INVOLVING A DEPARTURE FROM THE ORIGINAL INVENTION.

Where W. in his original specification clearly indicated that he had a certain operation in mind and intended to provide the detail necessary to perform it, but in illustrating and describing his specific apparatus he showed a structure which does not permit this operation, where the necessary step is common and well known and can be readily accomplished by one skilled in the art, and where portions of the specification said things which would lead one versed in the art to provide the structure shown in the amended drawing, Held that the accidentally inserted detail was properly replaced by the well-known detail which will accomplish W.'s purpose.

APPEAL from the Examiners in Chief.

Patent granted Edwin W. Seeger January 16, 1923, No. 1,442,496, on an application filed April 13, 1922, No. 552,297.

Application of Golder P. Wilson filed January 31, 1921, No. 441,174.

Mr. Frank H. Hubbard for Seeger.

Mr. Wesley G. Carr for Wilson.

FENNING, Assistant Commissioner:

Seeger appeals from the action of the Examiners in Chief awarding priority to Wilson.

Wilson has been allowed to amend his drawing. As so amended the counts read upon the drawing. If that amendment was proper, Wilson must prevail. If the amendment was improperly allowed, Seeger must prevail.

The argument is reduced to a very narrow point. Rule 70 is relied on by Wilson as a justification for the amendment. That rule provides that all amendments of the drawings or specifications must conform to at least one of them as it was at the time of the filing of the application. Seeger admits that it may be proper to make even additional amendments, probably as an exception under rule 70. He states:

While appellant does not here contend that a change in the drawings and specification not of the essence of the invention claimed might be made notwithstanding rule 70, he does maintain that rule 70 constitutes an absolute bar, when, as in the instant case, the amendment goes to the very essence of the invention claimed.

The interference issue relates to a reversing or "plugging" controller for electric motors. Specific provision is made for insuring against reversal of the power connections for plugging of the motor except upon a given reduction in the immersed area of the electrodes of the starting rheostat. The immersion of the rheostat varies the amount of resistance in the circuit.

As the Examiners in Chief say:

In the present case Wilson stated definitely the result which he intended his apparatus to accomplish. The draftsman made a mistake in the drawing, and the specification described that which the draftsman had shown;

but it is obvious that the apparatus as thus shown could not operate to accomplish the stated result, and the question is whether the specification, which stated the intended result, warrants the correction necessary to be made in the drawing and description.

The portions of the Wilson specification referred to by the Examiners in Chief clearly indicate that Wilson had in mind such operation and that he intended to reinsert resistance in the circuit when plugging or reversing. In illustrating and describing his specific apparatus he shows a structure in which a permanent connection does not permit this operation. As pointed out by the Examiners in Chief, the step of insuring resistance in a circuit when the motor is reversed is common and well known and is something that can be readily accomplished by an ordinary mechanic or electrician versed in the art. It is clear that the detailed statement in the specification of Wilson, corresponding with his original drawing, is contrary to his amended drawing. It is likewise clear that the portions of the specification referred to by the Examiners in Chief say those things which would lead one versed in the art to provide the structure shown in the amended drawing. Under these circumstances, it seems clear that the accidentally-inserted detail is properly replaced by the well-known detail which will accomplish applicant's purpose. *Moore v. Colburn Machine Glass Co.*, 191 O. G. 298; 1913 C. D. 398, justifies this holding. There the drawing showed a shaft which would prevent the machine operating as called for in the specification. The shaft was apparently not described; but if the detailed description in the original specification had pointed out the location and extent of this shaft within the reasoning of the case the amendment still should have been allowed.

I have carefully reviewed the decisions cited by Seeger, including *Ex parte Snyder*, 22 O. G. 1975; 1882 C. D. 22; *Ex parte Scott*, 114 O. G. 260 and 117 O. G. 278; 1905 C. D. 4 and 665; *Ex parte Willis*, 115 O. G. 1064; 1905 C. D. 107, and *In re Manson*, 238 O. G. 1641; 1917 C. D. 152, but am unable to find in them anything which should preclude the entry of the amendment in the Wilson case.

The conclusion reached here is justified by *Stone v. Fessenden*, 94 MS. D. 288; 21 Gourick 50. The Examiners in Chief are affirmed.

EX PARTE THE H. K. H. SILK CO.

Decided November 6, 1924.

1. TRADE-MARKS—ACT OF 1920—ARBITRARY MARK NOT REGISTRABLE THEREUNDER.

Held that if the words "Ready for Use" are arbitrary and not descriptive they are not registrable as a trade-mark under the act of 1920.

2. SAME—TRADE-MARK USE—WORDS NOT USED TO INDICATE SOURCE OR ORIGIN.

Where the words "Ready for Use" do not actually indicate source or origin of the goods, Held that they are not used as a trade-mark.

ON APPEAL.

Messrs. Munn & Co. for the applicant.

FENNING, Assistant Commissioner:

Applicant appeals from the Examiner of Trade-Marks refusing to register under the act of 1920

"Ready for Use" as a trade-mark for pure and artificial silk threads.

[1] The words are in the midst of a fanciful design of a label containing other matter which is of equal prominence with the words here in issue. Although registration is applied for under the act of 1920, applicant devotes a part of its brief to an apparent endeavor to show that the words are not descriptive, but are arbitrary. Such a showing of course will preclude registration of the mark under the act of 1920.

[2] I am unable to believe that the words shown in the drawing actually indicate source or origin of the goods and must hold that the words are not used as a trade-mark. Registration must therefore be refused in view of *ex parte Marret, Bonnin, Lebel and Guicu*, 308 O. G. 231; 1923 C. D. 16; *ex parte Keyless Auto Clock Company*, 300 O. G. 223; 1923 C. D. 25; and *ex parte Ashaway Line & Tine Mfg. Co.*, 329 O. G. 264, refusing registration of "Extra Strength." See also in *re B. F. Goodrich Company*, 313 O. G. 663; 1923 C. D. 260; 52 App. D. C. 261.

The Examiner of Trade-Marks is affirmed.

Court of Appeals of the District of Columbia.

ROGERS v. WILLOUGHBY AND LOWELL.

No. 1562. Decided October 6, 1924.

1. INTERFERENCE—TESTIMONY—REFUSAL TO ANSWER A PROPER QUESTION ON ADVICE OF COUNSEL—EFFECT OF.

Where a witness testifying for W. and L. and obeying the instructions of their counsel refused to answer a question put to him on cross-examination which was proper and should have been answered, Held that the refusal to answer must be regarded as admitting that the answer, if given, would have been unfavorable to W. and L.

2. JOINT INVENTION.

To constitute a joint invention, both parties must work together and there must be cross disclosure and suggestions between them.

3. INTERFERENCE—REDUCTION TO PRACTICE—DILIGENCE.

Where R. conceived the invention in March, 1917, and there was no conception by W. and L. until June, 1918; where the invention could only be reduced to practice when installed on a submarine vessel; where R. disclosed his invention to his agent and in March, 1918, after that disclosure, his agent, who was first compelled to enroll in the Navy, made a successful test of the invention on a submarine and reported results only to his superior officers; where R. about June 1, 1918, after unsuccessful attempts to secure information concerning the tests from his agent and from the proper officers, simulated a submarine with underground iron pipe; and where R., who had pledged secrecy to the Government with regard to his invention, took steps to file his application on December 28, 1918, within ten days after the ban of secrecy had been removed, Held that R. was not lacking in diligence.

4. SAME—SAME—OPERATION SUCCESSFUL, BUT WEAK—INFERIOR ACCESSORIES.

Where R.'s invention consisted of a radio antenna on a submarine vessel connected electrically at its ends with the metallic hull of the vessel, and where he sent radiosignals from a submarine equipped with his invention to the radio station and received signals from the station, Held that the results of this test

were enough to establish reduction to practice, although the signals were weak, owing to an insensitive receiver and detector, and not owing to the antenna or the grounding of its ends to the hull.

5. SAME—SAME—TESTS UNDER SERVICE CONDITIONS IMPOSSIBLE—TESTS MADE BY ASSISTANT ENROLLED IN NAVY—INFORMATION AS TO EXPERIMENTS MADE DENIED INVENTOR.

The rule that to constitute a reduction to practice the test must be made under service conditions or on instrumentality or utility in practical use has no application where it is impossible for the inventor to make his tests under service conditions or where because of Government control and the pledges of his representative enrolled in the Navy the inventor is denied information as to the experiments actually made.

6. SAME—SAME—SIMULATION OF SERVICE CONDITION.

Under the circumstances stated in the foregoing paragraph numbered 3 Held that the denial to R. of access to information and the imposition of secrecy on his agent did not bar the door on R. to a reduction to practice by means which as nearly as possible simulated service conditions.

7. SAME—DELAY IN FILING APPLICATION—INVENTOR UNDER CONTRACT WITH NAVY TO KEEP INVENTION SECRET.

Where R. agreed in a contract with the Navy to keep secret and consider as strictly confidential all knowledge, information, and data concerning his invention except such information as had already been disclosed, and further agreed that he would not cause Letters Patent for the invention to be issued, the contention that he might have filed his application without breaking his contract of secrecy and that, therefore, he was not diligent can not be sustained.

8. SAME—PRIORITY—JOINT APPLICATION—AMENDMENT INTO SOLE APPLICATION.

Where it appeared that W. and not W. and L. were the inventors, but W. had not elected to amend the joint application into a sole application in the Patent Office, Held that the Patent Office was without authority to award priority of invention to W. and L. as joint inventors.

Mr. J. A. Stone, Mr. J. S. Easby-Smith, and Mr. J. Hanson Boyden for Rogers.

Mr. E. G. Curtis and Mr. Harry E. Knight for Willoughby et al.

Before ROBB and VAN ORSDER, Associate Justices, and SMITH, Judge of the U. S. Court of Customs Appeals.

SMITH, J.:

This is an appeal from a decision of the Commissioner of Patents awarding a patent to Willoughby and Lowell for a special kind of loop antenna designed for vessels of metal and particularly for submarines.

The interference in this case was declared on the following claims taken from Patent No. 1,303,709, issued to James Harris Rogers on May 13, 1919, and copied by Willoughby and Lowell in the application filed by them for a patent on October 31, 1919. Claims 1, 2, 3 and 4 are as follows:

1. The combination with a vessel, of a radio conductor extending longitudinally thereof but insulated therefrom and from the water except at its ends which make electrical connection with the vessel, an electrical connection between said ends of the radio conductor through said vessel, and electromagnetic signaling instruments associated with said radio conductor at a point between its ends.

2. The combination with a submarine vessel having a metallic hull, of an insulated radio conductor extending longitudinally thereof and connected electrically at its ends with said hull, whereby a loop oscillating circuit is provided, and electromagnetic signaling instruments associated with said looped oscillating circuit.

3. The combination with a submarine vessel having a metallic hull, of an insulated radio conductor extending longitudinally thereof and connected electrically at its ends with said hull, whereby a loop oscillating circuit is provided, a tuning condenser in said oscillating circuit and electromagnetic signaling instruments associated with said looped oscillating circuit.

4. The combination with a submarine vessel having a metallic hull, of an insulated radio conductor extending longitudinally thereof and connected electrically at its ends with said hull, whereby a loop oscillating circuit is provided, electromagnetic signal instruments associated with said radio conductor between its ends, and a tuning condenser in circuit with said conductor.

On the record and evidence submitted in the interference proceedings, the Examiner of Interferences found 1st, that Rogers was the first to conceive the invention; 2nd, that Rogers disclosed the invention to Lyon; and that Lyon upon the suggestion of Rogers tested the invention on a submarine at Key West in March, 1918; 3rd, that the test made by Lyon was not a success and must be regarded as an abandoned experiment and not a reduction to practice; 4th, that the experiments on a simulated submarine, even if the use of the loop condenser had been established, did not constitute a reduction to practice for the reason that it was impossible to tell just what part of the signals received were due to the coils in the laboratory and just what part came over the loop; 5th, that there was no evidence in the record showing that Willoughby and Lowell conceived the specific device of the issue prior to June 5, 1918, which device is represented by Figure 5 of their application; 6th, that as Willoughby and Lowell testified that they were joint inventors that relation must be considered as fairly established; 7th, that Willoughby and Lowell having proven beyond a reasonable doubt that the invention in issue was reduced to practice on June 5 (?), 1918, and prior to Roger's filing date, the prima facie presumption attaching to Rogers's patent, was overcome and that the burden of proving that Rogers was entitled to a patent and that Willoughby and Lowell were not, devolved on Rogers.

The Board of Examiners on appeal to it expressly found 1st, that the invention was communicated by Rogers to Lyon between February and April, 1918. The Board made no finding as to the date of conception by Willoughby and Lowell and held that it was not material whether Willoughby be given the date of April 26th or June 20, 1918, for conception and reduction to practice; 2nd, that the test made by Lyon at Key West of the invention of antenna grounded to the bow and stern of a submarine was not a success and that for that reason and for the additional reason that the test was made while the submarine was not submerged, the test was not a reduction to practice; 3rd, that from April to December, 1918, Rogers was not active in making tests of his invention under service conditions and that he was not diligent in filing his application for a patent; 4th, that Willoughby and Lowell were joint inventors.

The Commissioner on appeal to him held 1st, that the evidence did not establish that Rogers's conception of the invention was prior to that of Willoughby and Lowell and did not prove that Rogers disclosed his invention to Lyon or to any one else prior to the date of conception by Willoughby and Lowell; 2nd, that the tests of the invention made by Lyon were not made at Rogers's request or because of the disclosure by Rogers to Lyon; 3rd, that to reduce the invention to practice it was necessary to test it on a submarine submerged and that the test made by Lyon at Key West in March, 1918, was not a reduction to practice, but an abandoned experiment; 4th, that Rogers was lacking in diligence and did not actually or constructively reduce his invention to practice until after Willoughby and Lowell had entered the field.

It appears from the evidence submitted in the interference proceeding that Rogers is a man well advanced in years and a scientist who from youth to old age has devoted himself to electrical research and the study of electrical phenomena.

As early as 1908, Rogers entertained the theory that messages and signals could be sent and received by means of ground antennae and by actual tests made in that year, established that they could be so sent and received. The messages and signals received by ground antennae were however weaker than those carried by elevated antennae and Rogers thereafter made only occasional tests of his discovery until the World War brought him to the realization that it might be used with good results in dugouts, on submarines, and as a valuable adjunct to coast defense. Incited by that realization he actively resumed his experiments with ground antennae and made arrangements with Harry H. Lyon, a young man 19 years of age, to assist him in making the necessary tests. The tests of Rogers and Lyon proved the practicability and utility of ground antennae and on an application filed by them November 10, 1916, joint Patent No. 1,220,005 was issued to them on March 20, 1917, for the wireless transmission and reception of messages and signals by means of underground antennae insulated substantially throughout their length.

Having developed the practicability and utility of insulated underground antennae Rogers and Lyon then proceeded to test the efficiency of un-insulated antennae, whether laid underground or under water on the bottom or above the bottom and beneath the surface of the water.

A test was also made with insulated wires laid on the bottom of a lake and communication was established between the lake and Rogers's home at his laboratory. This last test was repeated for the information of Navy experts and for the purpose of showing that such a system could be used on submarines.

An application for a patent for a wireless system for signalling by electromagnetic waves comprising antennae under the surface of the earth

and in intimate contact therewith and for antennae on a boat or vessel, such antennae being laid parallel to and under the surface of the water and in contact therewith, was filed by Rogers and Lyon November 10, 1916, and Patent Number 1,322,622 was issued to them November 25, 1919. Neither of these patents is involved in the interference proceeding here under review and their history, conception and claims are simply recited in aid of a better understanding of other evidence in the case.

Investigations, tests, experiments and studies which made the issuance of those patents possible naturally excited the earnest interest of the Navy then bending its energies to check the operations of enemy submarines. The department expressly agreed to afford to the inventor such facilities for tests and experiments with their systems as might be feasible and practicable without interfering with the transaction of Government business.

In the contracts with the Navy it was further agreed that the inventors would keep secret and consider as strictly confidential all knowledge, information and data concerning said inventions, except such information as had been already disclosed by the issuance of Patent No. 1,220,005. It was further agreed that the inventors would not cause to be issued to themselves, or either of them, or to any individual, combination of individuals, firm, partnership, corporation, municipality, State or nation, Letters Patent on said invention or any part thereof.

Immediately after the execution of that contract Commander Hooper, U. S. N., requested Rogers to go to New Orleans for the purpose of testing antennae. Rogers was unable to go, but made arrangements with Lyon to go in his place. However, before Lyon would be permitted to make any experiments or install antennae on submarines he was required to enroll in the Navy and thereby become subject to the orders and control of that department. In consequence of Lyon's relation to the Navy he made secret reports of his tests to the Navy and Rogers found himself unable to secure such reports. The handicap of that condition on Rogers was not lightened by the resentment which Lyon shortly after leaving New Orleans developed when Rogers demanded repayment of moneys advanced by himself and brother to Lyon, a resentment by the way which became much accentuated when Lyon learned that the patent attacked by the interference proceedings under review had been issued to Rogers and not Rogers and Lyon as joint inventors.

Not later than the 17th of March, 1917, Rogers testifies that he conceived by himself the idea of electrically connecting an aerial with the bow and stern of a submarine and made sketches in a loose-leaf notebook which clearly disclosed that conception. It is apparent from an examination of that book that the sketch was originally dated March and that by converting into a "y" the "r" of the abbreviation "Mar", the date was made to

read May. Rogers positively declared under oath that he did not alter the date and that the sketch was made in March is confirmed by an entry in Fleishman's book of accounts which shows that the cash payment of \$20.00 entered in the loose-leaf notebook was made in March. In view of that corroborative evidence and of the fact that the book was out of Rogers's possession for a time and of the further fact that the change was not to Rogers's interest, we are of the opinion that he did not make the change and that entry of the sketch was made in March and not in May. Because the date in the notebook actually read May instead of March, Rogers instructed his attorneys to give the other side the advantage of the later date in the original preliminary statement.

[1] Lyon was on duty in New Orleans from March to June, 1917, and during that period Rogers says that with one exception in March, 1917, he wrote daily to Lyon concerning tests on submarines and communicated to him every idea which Rogers thought would probably make a practical success of underground and underwater antennae and of radio communication on submarines. Rogers testified that he believed, but that he was unwilling to swear positively that he gave written instructions to Lyon at New Orleans to use the identical ideas involved in the interference. In this connection it is worthy of note that Rogers's letter of April 1, 1917, which should have contained the sketch entered on page 17 of his notebook under date of March 31st, was not furnished on his demand for letters sent to Lyon, whereas the letter containing the sketch of four wires abreast set out on the very next used page of the notebook was produced. That daily letters were written by Rogers up to April 7, 1917, appears from Lyon's letter to Rogers dated April 10th. The record shows and the Examiner finds that all of those letters were not produced by Lyon in response to the demand for their production. Rogers was positive however that while Lyon was on his way to New London from New Orleans he was told by Rogers to make tests not only of a multiple turn loop, but also of an aerial having the specific features involved in the interference. Lyon arrived in New London in July, 1917, and remained there until January, 1918. Lyon testifying for Willoughby and Lowell and obeying the instructions of their counsel, refused to answer a question put to him on cross-examination as to transmitting tests of antennae extending fore and aft from the conning tower of the submarine E-1. The question was proper and should have been answered. The refusal to answer it must therefore be regarded as admitting that the answer if given would have been unfavorable to Willoughby and Lowell.

Lyon was in Key West from February, 1918 to April, 1918. According to Rogers he wrote to Lyon at that place and requested him to try out the antennae in issue. Lyon afterwards informed Rogers that he had received his letter and had complied

with his request to install it upon a submarine. Lyon told Rogers that signals were received from the installation when the submarine was above water, but that when it was submerged he was unable to get anything and that he would have made a success of the installation if he had been provided with a proper receiver instead of a dilapidated instrument.

Leonard Wilson who represented both Rogers and Lyon in negotiations looking to the sale or exploitation of their basic patents for underground and underwater radio, testified that Lyon stated on September 5, 1920 in his presence and that of Rogers and Spencer B. Prentiss, that before he went to New Orleans the device in interference had been discussed between himself and Rogers. Lyon declined however to be a witness for Rogers in the interference proceedings on the ground that although Lyon was not the inventor of the device in issue, the Government would claim that he was the inventor and his testimony might injure rather than help Rogers. On November 18, 1920, Lyon wrote a letter to Wilson which contained the following statement.

The work done by Rogers and myself included an antenna system which we sometimes employed with insulated ends and with grounded ends. The first experiment made by myself at New London on the U. S. S. E-1 employed an antenna extending forward from the conning tower, and a similar one extending aft. The ends were insulated, but later at Key West I made a test with the ends grounded to the hull, fore and aft. This latter test was, however, not successful due to the comparatively insensitive receiver and detector.

Since it was well known to both Rogers and myself that the ends of our antennae might be connected to grounds, I did not consider grounding the ends of the wires was new at that time. The so-called single turn loop as employed on submarine boats is merely a specific form of the systems covered by the joint basic patents, and is not new nor is it original with Lowell and Willoughby. These gentlemen are entitled to considerable credit for their work in connection with the development of this form, but I believe the pioneering was done by myself, and had I been armed with an eight tube amplifier, they would never have needed to take up the matter at all.

Spencer B. Prentiss, attorney for Rogers and Lyon in the matter of their joint application for a patent for underground and underwater antennae and one of the attorneys for Rogers in the interference proceedings here on appeal, testified that in the latter part of September or on the first of October, 1920, he inquired of Lyon as to what disclosures if any Rogers had made to Lyon concerning insulated antennae grounded on a submarine at each end. Lyon replied that Rogers had written to him two letters suggesting that he try out the device referred to in the question and that he thought that one of the letters contained a sketch, but that the other did not. As already stated Rogers's letter of April 1, 1917, and which should have contained the sketch on page 17 of his notebook was not produced. Prentiss made a rough sketch of the deck and conning tower of a submarine with stanchions at each end of the vessel and Lyon completed the sketch by drawing lines sloping from the conning tower to the bow and stern of the vessel which lines he said represented insulated wires, the ends of which were grounded on the ends of the deck of the vessel and represented the antennae tested by him at Key West.

[2] On December 5, 1919, Lyon knowing that to constitute a joint invention both parties must work together and that there must be cross disclosure and suggestions between them, wrote to Rogers claiming an undivided one-third interest in the invention in issue and that the patent should have been applied for as the joint invention of himself and Rogers. Notwithstanding that letter Lyon testified on behalf of Willoughby and Lowell that no disclosure or suggestion of the device was ever made by Rogers and that the experiment at Key West was made without suggestion from any one at all and was proposed by himself alone. What Lyon said or wrote to Rogers, Prentiss or Wilson might well be rejected as not the best evidence if Lyon had not taken the stand for appellees and given testimony at variance with the oral and written declarations made by him to Rogers, Wilson and Prentiss, thereby making such declarations competent evidence to be considered in determining the facts of the case.

Speaking of antennae grounded fore and aft to the hull of a submarine, Lyon testified as a witness for Willoughby and Lowell that—

I then grounded this end of the antenna to its supporting stanchion thus making the antenna grounded at both ends. I then made a further attempt to use this grounded arrangement trying to transmit to the radio station and I believe my signals were heard by that station. I then had the radio station send signals to me which I received, but which were not of considerable strength. I concluded I was on the wrong track. I repaired the broken ends removing the grounds and reinsulating them.

Rogers designated Lyon as the person to make tests of antennae on submarines. The Navy, representing the Government, the party in interest here, enrolled Lyon in the Government service and bound him to make secret reports of his tests to the Navy. Rogers wrote to Lyon three times in March, 1918 for information as to the particulars of experiments made by him and Lyon replied that he made weekly reports to Le Clair and that as he was bound by a pledge of secrecy he could say nothing without "permission from the powers that be."

James C. Rogers wrote in February, 1918, to Le Clair, the officer in charge of all radio work for the Navy, and the officer to whom Lyon made his reports, requesting information as to what had been done by Lyon. That information was not furnished. Under date of April 12, 1918, James Harris Rogers wrote to Lieutenant Le Clair asking what had been done by Lyon at Key West and received in reply the curt answer that Lyon had not had very great success with his experiments.

Demand was made in the interference proceeding for the production of the secret reports made by Lyon, and the Navy Department saw fit to eliminate from the produced document reports made in April, May, June, July, August, September, October, November and December, 1917, and reports made in January, February, March, April, May, June, July, and August, 1918.

In view of the attitude of the Government, the party in interest, the mutilation of the secret reports of Lyon submitted to it and of the further fact that Lieutenant Le Clair after Lyon's test of

antennae grounded fore and aft to the hull of a submarine, told Willoughby on or about April 23, 1918, that—

he was quite anxious for us to have a talk with Mr. Lyon before going to New London as Mr. Lyon was familiar with submarines doing experimental work at Key West.

we are fully justified in concluding that Le Clair was willing to give Willoughby and Lowell access to information which he denied to Rogers. Willoughby it is true *was unable to recall* that Lieutenant Le Clair told him of the nature of the work done by Lyon at Key West. As Willoughby and Lowell however were at that time members of the naval organization and were under the direct command of Lieutenant Le Clair, it is fair to assume that that officer did not leave his subordinates Willoughby and Lowell entirely uninformed as to what his subordinate Lyon was doing.

Hampered as he was by the lack of whole-hearted cooperation on the part of Lyon and the lack of information as to experiments made by the latter, Rogers after Lyon went to New London determined to make experiments of his own as to the feasibility of submarine radio communication and particularly as to the efficiency of his conception of March, 1917, which made the hull of the submarine a part of the loop. Not having a submarine at his disposition for uninterrupted and uncontrolled experimentation, he, about June 1, 1917, simulated a submarine by laying underground two lengths of pipe each 100 feet long, the inner ends of the pipes being slightly separated but connected by wire. He then ran an insulated wire from the south window of his laboratory and grounded it to the south end of one pipe and a similar wire from the north window of his laboratory and grounded it to the north end of the other pipe. The inner ends of the insulated wire were connected in the laboratory to the receiving apparatus and a variable condenser was also connected in the circuit. The iron pipes took the place of a submarine and the insulated wires connected with the ends of the pipes were the antennae.

Rogers drew a diagram of this arrangement and explained it to Dr. Lattimer in June, 1917, and Doctor Lattimer on the witness stand distinctly recalled the diagram and reproduced it. Dr. Lattimer fixes the date of the burial of the pipe as about June, 1917. Matthews also corroborates Rogers regarding the laying of the pipes and the attachment thereto of the insulated wires running from the laboratory.

On December 18, 1918, Commander Hooper of the Navy wrote a letter removing the ban of military secrecy on Rogers and on December the 28th, 10 days after the receipt of that letter, Rogers took steps to file his application for the patent in issue and that application was actually filed on January 10, 1919.

The evidence on the part of John A. Willoughby and Percival D. Lowell is to the effect that in 1918 Willoughby was 26 years of age and Lowell 25 years of age. Both of them were then in the Government service at the Bureau of Standards

and neither of them before engaging in the experiments hereinafter recited was an expert in radiotelegraphy although both of them had given some study to the subject.

During the latter part of February or the first of March, 1918, Willoughby and Lowell began experiments on single-turn loops at the Bureau of Standards to establish the possibility of transmitting and receiving radio messages in wave lengths suitable for submarine work. On the 4th of March, 1918, as appears from Willoughby's time card at the Bureau of Standards, Willoughby made a single-turn loop of 150 feet long by 60 feet high on which he was able to get a range of wave lengths from 100 to 1500 meters. By means of that loop he was able to receive signals better than any theretofore received from any of his tests. He claims that it was at this time that he got the idea of using the hull of a submarine as one part of the loop. As he had no submarine on which to make a test of that idea he used a radiator in his house for one side of the loop in place of a submarine and found that the loop worked satisfactorily. Willoughby claims that he told Elliott Woods, superintendent of the United States Capitol, about his experiments with single-turn loops and that he submitted rough sketches to Woods and explained to the latter the application of different kinds of loops on submarines. Willoughby and Woods however are not in accord as to the particular type of installation he sketched for Woods. Neither Willoughby's sketches nor Wood's sketches of Willoughby's sketches as understood by the former, disclose the invention in issue as settled by the counts of the interference.

For the purpose of securing an opportunity to make tests on a submarine Willoughby on April 17, 1918, made a personal report to Dr. Rosa of the Bureau of Standards in which report Willoughby stated that—

the first step would be to construct a loop using the hull of the submarine as one side of the loop (see diagram) and to determine whether it is possible in this way to receive or transmit or both under water.

On the strength of that report the matter of making tests on submarines was taken up with Lieutenant Commander Le Clair of the Navy and on his suggestion Willoughby and Lowell were loaned to the Department. Both were sent to New London and there made their first tests on the submarine D-1 on April 25, 1918.

When Willoughby and Lowell reported to Lieutenant Heard, commanding officer of the D-1, they told him that they desired to test *insulated loop antenna* on a submerged submarine, and that for the test of the closed loop an extra lead-in would be required. As soon as the extra lead-in was installed, the test was made and the signals came in strong as the lower part of the antenna went under water, but when the antenna was completely submerged the signals were markedly reduced in intensity. Several other tests with various other forms of loop antenna were then made for the purpose of giving them a thorough trial,

but not a single test was made of an insulated radio conductor mounted along the length of the submarine and having the ends of the conductor electrically connected with the hull of the vessel thereby making the hull the lower part of the loop. Apparently the several tests of other forms of loop were not impressive and tests of the *completely insulated wire loop* were resumed with the result that signals were received at depths and distances greater than those noted on the first test.

On June 5, 1918, a serious leak having developed on the D-1 Willoughby and Lowell were transferred to the submarine G-3 where they repeated the installation of the complete wire loop disclosed by their Figure 4 admittedly not within the issue, and which was the first loop tested by them on the D-1.

The G-3 arrived at Brooklyn on June 6, 1918, at which point Lowell left the submarine and returned to New London by train. Willoughby remained on board and went on patrol duty with the G-3 which had been ordered to operate against a German submarine, the prompt appearance of which was then expected off the coast of the United States. While the G-3 was on patrol duty the insulation on that part of the wire loop which was secured to the deck by brackets became defective and Willoughby found that the wire was absolutely bare in many spots. Willoughby, according to his own statement, *became very much worried* upon discovering that the insulation had been broken and he tried to have it repaired at sea. On June 11, 1918, and before any repairs could be made however, the submarine dived and Willoughby testified that he was *very much surprised* to find not only that the signal strength remained after the lower side of the defectively insulated loop had been completely submerged, but that *the loop worked just as well as if it had been completely insulated*.

Willoughby on June 11, 1918, declared in writing that the efficiency of his submerged loop, the deck part of which was defectively insulated, *led him to believe that the hull of the boat when submerged could be used for the lower side of the loop*, and that he accordingly informed the commanding officer of the submarine that the lower side of the loop *could be cut out entirely and a much simpler installation made*. That installation was made upon June 20, 1918, upon the return of the G-3 to port.

If Willoughby and Lowell conceived prior to June 11, 1918, the doing away with the lower side of the loop and using the hull of the boat instead, it is impossible to understand just why Willoughby was worried because the insulation of that part of the loop bracketed to the deck was worn away and had become defective. If he and Lowell had already conceived that the hull of the vessel would serve as the lower part of the loop there was no occasion at all for worry and no necessity or excuse whatever for the attempt he made at sea to restore the insulation. And why should he have been *surprised* that the effi-

clency of his loop was not affected by the grounding of his loop to the hull of the boat because of defective insulation if he and Lowell had already conceived that such a grounding would serve the purposes of radio communication on submarines. Moreover it is inconceivable that Willoughby and Lowell would have left untried the loop in issue and installed on a submarine actually engaged in war duty a radio device which would interfere with the free use of the deck if they had already conceived of an arrangement which was much simpler and left the deck unencumbered. Willoughby admits that the radio results obtained from the defectively insulated loop on the diving of the submarine G-3, led him to believe that the hull of the boat could be used for one side of the loop, but just how he could have been led to believe that which Lowell and himself had conceived months before, is not explained. True enough, both Willoughby and Lowell testified that they had conceived the invention in issue long prior to their assignment to duty with the Navy, and that they were joint inventors thereof, but that testimony may be and ought to be rejected if wholly inconsistent with their conduct prior to the initiation of the interference proceedings and with declarations made by them or either of them at a time when there was no reason to believe or suspect that their priority in the field would be questioned.

The evidence in the interference proceeding and particularly the evidence hereinbefore recited convinces us as it did the Examiner of Interferences and the Board of Examiners, 1st, that Rogers conceived the invention in issue in March, 1917, and that there was no conception thereof either by Willoughby or Lowell until June, 1918; 2nd, that Rogers disclosed his invention to Lyon and that after that disclosure and in March, 1918, Lyon at Key West made tests on the submarine K-3 of Rogers's conception; 3rd, that the diving on June 11, 1918, of the G-3 with a defectively insulated loop led Willoughby to the discovery that the hull of the vessel could be used as the lower part of the loop and that the bracketing of a part of the insulated loop to the deck was unnecessary; 4th, that the discovery which resulted from that dive was actually reduced to practice when the arrangement conceived on June 11th, was actually installed on the G-3 on June 20, 1918.

[3] We cannot however agree with the Patent Office tribunals that the test made by Lyon at Key West in April, 1918, was a mere abandoned experiment and not a reduction to practice. Moreover, the finding of the Patent Office that Rogers was lacking in diligence and that Willoughby and Lowell were joint inventors is not sustained by the credible testimony and evidence in the case.

Lyon, a witness hostile to Rogers and favorable to Willoughby and Lowell, testified positively and unequivocally that he tested the invention in issue at Key West on a submarine and that he believed the signals were received by the radio

station and that he received signals from the radio station, but that they were not of considerable strength. In his letter to Wilson, Lyon stated that he made the test with the ends of the loop grounded to the hull fore and aft, but that this test was not successful due to the comparatively insensitive receiver and detector. In that letter he took occasion to say that it was well known to both Rogers and himself that the ends "of our antenna" might be connected to the grounds and that he did not consider that the grounding of the ends of the wire was new at that time. True enough Lyon testified for Willoughby and Lowell that he concluded that he was on the wrong track, but it cannot be seriously contended that his conclusion as to the effect of his test was conclusive as to its success or binding on Rogers. He sent signals to the radio station and received signals from the radio station. That the signals were not strong was not due to the antenna or the grounding of the ends thereof to the hull, but to an insensitive receiver and detector. Lyon so states in his letter to Wilson and therein specifically declares that had he been armed with an eight-tube amplifier Willoughby and Lowell would never have needed to take up the matter at all.

[4] The device might have been susceptible of further improvement or it might have been equipped with a better amplifier or a more sensitive receiver and detector, nevertheless, the test as actually made demonstrated that by it radiocommunication could be had and that was enough to establish the test as a reduction to practice.

[5, 6] On the facts of this case we are unwilling to hold that Rogers was bound to make tests of his conception "under actual service conditions", or to hold that a test made on a simulated submarine could not under any circumstances or state of facts be accepted as a reduction to practice. We are fully aware of the rule that to constitute a reduction to practice the test must be made under service conditions or on an instrumentality or utility in practical use. That rule however has no application where it is impossible for the inventor to make his tests under service conditions or where because of Government control and the pledges to the Government of his representative enrolled in the Navy the inventor is denied information as to the experiments actually made. To hold otherwise would put the original inventor at a distinct disadvantage with Government officials and employees who entered the field later and who could reduce their conception to practice under service conditions. Inasmuch as any invention made by Willoughby and Lowell redounded to the benefit of the Government under the act of March 3, 1883 (22 Stat. 625), it was quite natural for Lieutenant Le Clair to deny to Rogers access to information which he freely gave to his subordinates, but that attitude on his part and the imposition of secrecy on Lyon, Rogers's agent, did not bar the door on Rogers to a reduction to practice by a means which as nearly as possible simulated service conditions.

But however that may be, Rogers filed his application for a patent as diligently as the circumstances and the pledge of secrecy given by him permitted.

[7] The contention that Rogers might have filed his application without breaking his contract of secrecy and that therefore he was not diligent, cannot be sustained. Rogers agreed to keep secret and consider as strictly confidential all knowledge, information and data concerning his invention except such information as had already been disclosed by the issuance of his patents, and that he would not cause to be issued Letters Patent by any municipality, State, or Nation. That agreement might well impress laymen and not a few lawyers with the firm conviction that the filing of an application for a patent constituted a breach of the contract.

The fact that Rogers filed his application within 10 days after the ban of secrecy was removed shows to a conclusion that he put the broadest construction on his agreement, to keep his invention a secret and even if he was mistaken as to the construction of his contract that construction satisfactorily explains his failure to file.

[8] The claim of Willoughby and Lowell that they were joint inventors is discredited by the fact that on the D-1 they jointly tested practically every type of loop except the loop grounded fore and aft to the hull of a submarine. Those tests were made for the purpose of making our submarines more efficient in our war with Germany and the fact that the invention in issue was not tested at all, is fairly strong evidence that any idea which Willoughby and Lowell had about it on the D-1, had not yet reached the stage of interesting surmise. That conclusion is strongly fortified not only by the acts and conduct of Willoughby on board the G-3 while Lowell was in New London, but by Willoughby's oral and written declarations concerning the revelation which came to him alone when the submarine dived on June 11, 1918, with his defectively-insulated loop. It may be that the joint application might have been amended in the Patent Office into a sole application by Willoughby. *In re Roberts*, 49 App. D. C., 250; 273 O. G. 410; 1920 C. D. 158. As Willoughby however did not elect to take that course we must pass upon the record as we find it. We must therefore hold that the Patent Office is without authority to award priority of invention to Willoughby and Lowell as joint inventors. *Conn v. Darlington*, 38 App. D. C., 95; 178 O. G. 321; 1912 C. D. 460.

The carefully prepared opinion of the Examiner of Interferences and his painstaking impartial summary of the evidence in the case, has been of decided assistance to the court and is much appreciated, although we find ourselves unable to agree with all the conclusions which the Examiner reached.

Priority should have been awarded to Rogers and consequently the decision of the Commissioner is reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

841,387, L. de Forest, Device for amplifying feeble electrical currents; 879,532, same, Space telegraphy, consent order of discontinuance filed Oct. 31, 1924, D. C., S. D. N. Y., Doc. E 25/113, *Radio Corp. of America v. J. H. Bunell & Co., Inc.*, et al.

879,532. (See 841,387.)

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes, suit filed Nov. 3, 1924, D. C., S. D. N. Y., Doc. E 30/229, *General Electric Co. v. Newman & Weiss (Ruonew Trading Co.) et al.*

1,082,933. (See 1,018,502.)

1,093,626, C. P. Hulbert, Plumbing fitting, suit filed Dec. 6, 1922, D. C. Del., Doc. E 511, *Hulbert & Dorsey v. Bridgman Co.* Final decree entered Nov. 1, 1924, adjudging patent valid and infringed and granting injunction.

1,113,149, E. H. Armstrong, Wireless receiving system, decree in favor of plaintiffs, granting preliminary injunction restraining National Airphone Corp. pending final determination of this action, filed Oct. 31, 1924, D. C., S. D. N. Y., Doc. E 29/335, *Westinghouse Electric & Mfg. Co. et al. v. National Airphone Corp. et al.*

1,160,315, E. R. Newell, Elevator signalling apparatus, suit filed Oct. 8, 1924, D. C., S. D. Calif. (S. Div.), Doc. E I-23-M, *Elevator Supplies Co., Inc. v. Randall Control & Hydrometric Corp.*

1,191,306, T. A. Hoover, Bumper for vehicles; 1,221,800, Same, Auto bumper, suit filed Oct. 25, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1353, *American Chain Co., Inc. v. B. F. Bowman (Bowman Spring Co.)*

1,221,800. (See 1,191,306.)

1,229,102. (See 1,277,229.)

1,229,102, B. E. Lloyd, Talking doll, suit filed Nov. 1, 1924, D. C., S. D. N. Y., Doc. E 30/236, *B. E. Lloyd v. Overland Metal Novelty Co., Inc.*, et al.

1,271,529, M. C. Hopkins, Acoustic device, suit filed Oct. 31, 1924, D. C., S. D. N. Y., Doc. E 30/234, *Lektrophone Corp. v. Western Electric Co., Inc.*

1,274,138, L. R. N. Carvalho, Process of manufacturing closures for receptacles, suit filed Nov. 1, 1924, D. C., N. D. Ohio (W. Div.), Doc. E 499, *Paragon Can & Cap Co., Inc. v. The Closure Service Co. et al.*

1,277,229, B. E. Lloyd, Sounding device for dolls; 1,229,102, same, Talking doll, final consent decree sustaining patents, adjudging infringement, and granting injunction filed Oct. 29, 1924, D. C., S. D. N. Y., Doc. E 23/248, *B. E. Lloyd et al. v. B. E. Fleischaker et al.*

1,309,433, M. H. Detrick, Furnace arch, suit filed Oct. 30, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1358, *M. H. Detrick v. Lewis & Watts, Inc.*

1,313,808, K. D. Fuller, Rod hanger, suit filed Oct. 23, 1924, D. C., S. D. Calif. (S. Div.), Doc. E I-38-M, *K. D. Fuller v. W. B. Wigle*.

1,329,656, C. Tremain, Insulator; 1,429,369, W. M. Parker, Attaching device, suit filed Oct. 30, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1304, *Porcelain Appliance Corp. v. Trenle Porcelain Co.*

1,429,369. (See 1,329,656.)

1,434,661, H. Lobel Pneumatic tire, suit filed Oct. 25, 1924, D. C., S. D. Calif. (S. Div.), Doc. E I-39-J, *Compression Tube & Tire Co. et al. v. H. Lobel*.

1,485,552, E. F. Colby, Fan and pulley therefor, suit filed Nov. 5, 1924, D. C., E. D. Mich. (S. Div.), Doc. 862, *E. F. Colby v. Ford Motor Co.*

1,486,883, E. P. Halliburton, Method of hydrating cement and the like; 1,500,385, same, Method of and apparatus for mixing materials, suit filed Aug. 6, 1924, D. C., S. D. Calif. (S. Div.), Doc. E H-117-J, *E. P. Halliburton et al. v. Federal Drilling Co.* Final decree entered Oct. 3, 1924, holding patents valid and infringed pursuant to stipulation of the parties, perpetual injunction granted.

1,490,845, S. E. Music, Cosmetic receptacle, consent and order of discontinuance filed Oct. 31, 1924, D. C., S. D. N. Y., Doc. E 29/211, *S. E. Music et al. v. Reich-Ash Corp. et al.*

1,492,229, H. L. Thompson, Beater; 1,511,541, same, Power wheel, suit filed Oct. 21, 1924, D. C., S. D. Calif. (S. Div.), Doc. E I-35-J, *Johnson & Denman (The World Novelty Co.) v. Duncan & Gore (Marvel Whipper Co.)*.

1,495,771, M. J. Brown, Measuring and spraying apparatus for a volatile fumigant, suit filed Aug. 25, 1924, D. C. Del., Doc. 551, *The Pacific R. & H. Chemical Corp. v. California Cyanide Co., Inc.*

1,500,385. (See 1,486,883.)

1,507,711, Pollock & Horn, Process of making plastic articles, Final consent decree sustaining patent, adjudging infringement, and granting injunction (notice dated Nov. 1, 1924), D. C., S. D. N. Y., Doc. E 30/222, *Inter Ocean Radio Corp. v. L. Milsky (National Radio Outlet Co.)*.

1,511,541. (See 1,492,229.)

Des. 60,878, Pardee, Dewire & Supporter, Radiator cap, suit filed Sept. 24, 1924, D. C., S. D. Calif. (S. Div.), Doc. 1-15-J, *Miller & Pardee, Inc. v. Essandee Corp. et al.* Final consent decree Oct. 9, 1924, perpetually enjoining all defendants.

Re. 14,040, J. G. Tufford, Resilient heel, decree of district court affirmed with costs to the appellee (notice dated October 31, 1924), C. C. A. (1st Cir.), Doc. 1642, *I. T. S. Rubber Co. v. Essex Rubber Co.*

Interference Notices.

U. S. PATENT OFFICE, Washington, Nov. 12, 1924.

The heirs, assigns, or legal representatives of Henry Mauss, deceased, take notice:

An interference has been declared by this Office between the application of Nicholas Theodore, 10307 Superior Street, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered May 19, 1908, No. 69,046, to Henry Mauss, 355-357 Twelfth Street, New York, N. Y. It appearing from the record that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of Henry Mauss, deceased, that if they or any of them desire to contest the said interference proceeding they should immediately put themselves in communication with the Commissioner of Patents. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. If no appearance shall have been entered at the expiration of the period of publication, the interference will proceed as in case of default.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

Lady Fair Gown Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between Frank Schneider, 118 Madison Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered December 21, 1920, No. 138,283, to Lady Fair Gown Co., 1029 South Wabash Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Lady Fair Gown Co., at the said address having been

returned by the post office authorities as undeliverable, notice is hereby given that unless said Lady Fair Gown Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

The Longwood Laboratories, Incorporated, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Roy L. Schrader, 4520* Adelaide Street, St. Louis, Mo., and George Siellach, 4007 Southport Avenue, Chicago, Ill., for registrations of trade-marks and trade-mark registered May 8, 1917, No. 116,534, to The Longwood Laboratories, Incorporated, Kingston, N. Y., and a notice of such declaration sent by registered mail to The Longwood Laboratories, Incorporated, at the said address having been returned by the post office as undeliverable, notice is hereby given that unless The Longwood Laboratories, Incorporated, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

Seattle Pure Food Co. Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of North Pacific Co-Operative Berry Growers, Bell Street Dock, Seattle, Wash., for registration of a trade-mark and trade-mark registered January 15, 1907, No. 59,797, to Seattle Pure Food Co. Inc., Eighth Avenue south and Snoqualmie Street, Seattle, Wash., and a notice of such declaration sent by registered mail to said Seattle Pure Food Co. Inc. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Seattle Pure Food Co. Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

Wolf Process Leather Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. Trautman & Company, 614 Main Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered April 17, 1906, No. 51,489, to Wolf Process Leather Company, Summerdale (Philadelphia), Pa., and a notice of such declaration sent by registered mail to said Wolf Process Leather Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Wolf Process Leather Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 13, 1924.

Beinhauer Bros. Candy Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hagemeister Food Products Co., Green Bay, Wis., for registration of a trade-mark and trade-mark registered May 4, 1920, No. 131,035, to Beinhauer Bros. Candy Co., 220 West Forty-second Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Beinhauer Bros. Candy Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Beinhauer Bros. Candy Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 9, 1924.

[Vol. 329, No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 149,343. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MANNING MANUFACTURING COMPANY, Rutland, Vt. Filed June 18, 1921.

MANNING
EQUIPMENT

No claim is made herein to the exclusive use of the word "Equipment" apart from the mark shown in the drawing.

Particular description of goods.—Vat Pasteurizers, Forewarmers, Cheese Vats, Receiving Vats, Milk-Can Washers, Milk-Can Driers, Condensed-Milk Coolers of the Countercurrent Type, Vats, Cream Ripeners, Batch Mixers, Cream Vats, Ice-Cream-Can Washers, Ice-Cream-Can Driers, Can Straighteners, Milk Cooler, and Automatic Bottle Washers.

Claims use since on or about Oct. 1, 1920.

Ser. No. 160,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE POWER-KEARNY MARKET CO., INC., Washington, D. C. Filed Mar. 4, 1922.

"P-K"

Particular description of goods.—Eggs, Dried Beef, and Breakfast Bacon.

Claims use since Jan. 1, 1922.

Ser. No. 161,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FIELD PACKING COMPANY, Owensboro, Ky. Filed Apr. 3, 1922.

CHESTERFIELD

Particular description of goods.—Lard and Butter. Claims use since December, 1914.

Ser. No. 167,634. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Plates, Cups, and Saucers of Aluminum, Enamel Ware or Base Metal; Pots, Pans, and Dishes of Aluminum, Enamel Ware or Base Metal for Preparing or Serving Foods or Beverages; Salt Shakers, Pepper Shakers; Supports, Brackets, Stands, Handles, Holders, and Trays for Household Use and for Supporting and Receiving Bottles, Jars, Carafes, Jugs, Pots, Pitchers, Cups, Glasses, Knives, Forks, Spoons, Plates, and Beverage and Food Utensils.

Claims use since Sept. 1, 1912, for supports, brackets, stands, handles, holders, and trays; since Jan. 1, 1913, for plates, cups and saucers, pots, pans, dishes, salt shakers, and pepper shakers.

Ser. No. 167,635. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Table Knives, Table Forks, Tablespoons, Sugar Spoons, Pickle Forks; Knives, Forks, and Spoons Employable in the Preparation and Serving of Foods and Beverages, Made of Base Metal.

Claims use since Jan. 1, 1913.

Ser. No. 167,639. (CLASS 37. PAPER AND STATIONERY.) THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 31, 1922.

ICY-HOT

Particular description of goods.—Paper Napkins, Dishes, and Tablecloths.

Claims use since Apr. 1, 1908.

Ser. No. 169,192. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) M. TECLA & CO., New York, N. Y., assignor to The Tecla, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922.

Tecla

Particular description of goods.—Pearls and Precious Stones, Both Artificial and Natural, and Jewelry for Personal Wear, Comprising Pearls and Precious Stones, not Including Watches.

Claims use since about April, 1906.

Ser. No. 178,776. (CLASS 39. CLOTHING.) STEINBERGER BROS. LOBL CO. INC., New York, N. Y. Filed Apr. 7, 1923.



Particular description of goods.—Leather and Kid Gloves.

Claims use since Jan. 1, 1881.

Ser. No. 178,777. (CLASS 39. CLOTHING.) STEINBERGER BROS. LOBL CO. INC., New York, N. Y. Filed Apr. 7, 1923.

DERBY

Particular description of goods.—Leather and Kid Gloves.

Claims use since Jan. 1, 1881.

Ser. No. 181,052. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUDIPHONE COMPANY OF AMERICA, New York, N. Y. Filed May 24, 1923.

AUDIPHONE

Particular description of goods.—Electrical Polystation Loud-Speaking Telephone Systems, Electrical Loud-Speaking Receivers for Polystation Telephone Systems, Radio Loud Speakers, and Radioborns.

Claims use since June, 1917.

Ser. No. 183,534. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND FISH CO., Boston, Mass. Filed July 21, 1923.

SUPERB

Particular description of goods.—Canned Salmon.

Claims use since May 26, 1923.

Ser. No. 183,948. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SONORA, INC., New York, N. Y. Filed Aug. 1, 1923.

ARGYLE

Particular description of goods.—Talking Machines and Phonographs.

Claims use since on or about July 2, 1923.

Ser. No. 184,093. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE S. OBERMAYER CO., Chicago, Ill. Filed Aug. 4, 1923.

702

Particular description of goods.—Plumbago.

Claims use since 1902.

Ser. No. 184,417. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NOUVELLE SAVONNERIE LA VIERGE ANCIENNES USINES FELIX EYDOUX, Marseille, France. Filed Aug. 12, 1923.



Particular description of goods.—Soaps of All Kinds.

Claims use since March, 1890.

Ser. No. 184,514. (CLASS 39. CLOTHING.) THE PINEZUCH WONDER ARCH GUIDE HEEL COMPANY, Cincinnati, Ohio. Filed Aug. 15, 1923.



The representation of the heel which appears on the drawing is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Rubber and Composition Heels for Footwear.

Claims use since Apr. 8, 1916.

Ser. No. 185,264. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PURITAN LABORATORIES, Nashville, Tenn. Filed Sept. 1, 1923.

GLANDLAX

Particular description of goods.—Tonic in Tablet and Liquid Form Specially Adapted for Use as a Mild Laxative.

Claims use since Feb. 13, 1921.

Ser. No. 185,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUINN & POTTER, Gallant, Ala. Filed Sept. 7, 1923.

Quinn-Can-Cac-Ura

Particular description of goods.—Cancer Salve, Healing Salve, and Healing Ointment.

Claims use since June 1, 1923.

Ser. No. 185,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB H. CANNON, doing business as J. C. Cannon & Co., San Antonio, Tex. Filed Sept. 10, 1923.

MAGNOLIA



Particular description of goods.—Tooth Powder.

Claims use since June 5, 1922.

329 O. G.—19

Ser. No. 185,811. (CLASS 15. OILS AND GREASES.) THE FRED G. CLARK COMPANY, Cleveland, Ohio. Filed Sept. 15, 1923.

ZERO FLO

Particular description of goods.—Lubricating Oils and Greases.

Claims use since about July 1, 1923.

Ser. No. 185,839. (CLASS 39. CLOTHING.) PROPPER SILK Hosiery MILLS, INC., New York, N. Y. Filed Sept. 15, 1923.

Blue Edge

Trade-mark consists of the words "Blue Edge."

Particular description of goods.—Women's Hosiery of Silk or Cotton or Combinations of the Same.

Claims use since September, 1919.

Ser. No. 185,872. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM H. LUTTON COMPANY, Jersey City, N. J. Filed Sept. 17, 1923.

V BAR

Particular description of goods.—Greenhouses.

Claims use since 1911.

Ser. No. 186,325. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MOEBRIDGES COMPANY, Milwaukee, Wis. Filed Sept. 28, 1923.

Focalite

Particular description of goods.—Electric-Lighting Fixtures.

Claims use since Sept. 10, 1923.

Ser. No. 186,389. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK OTTO MINER, doing business as Dryad Company, Crafton, Pa. Filed Sept. 29, 1923.

DRYAD

Trade-mark comprises the word "Dryad."

Particular description of goods.—Remedy for Diseased Trees and Shrubbery.

Claims use since Oct. 10, 1922.

Ser. No. 186,611. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PIONEER PRODUCTS COMPANY, Dayton, Ohio. Filed Oct. 5, 1923.



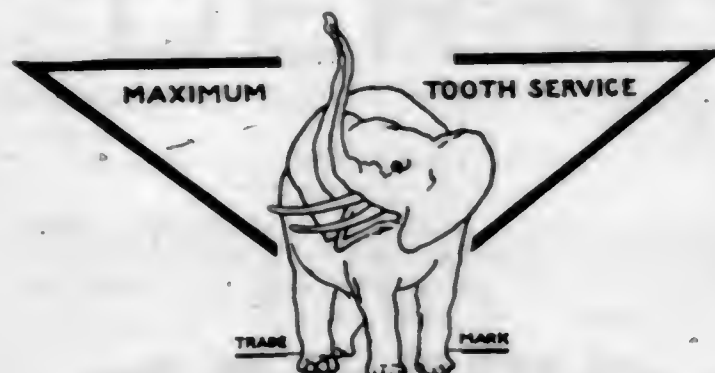
Trade-mark consists of a red and green check with white spaces between.
Particular description of goods.—Soap.
Claims use since Apr. 3, 1923.

Ser. No. 186,625. (CLASS 39. CLOTHING.) ARTSILK KNITTING MILLS, West New York, N. J. Filed Oct. 6, 1923.

Trico Soie

Particular description of goods.—Women's, Misses', and Girls' Dresses.
Claims use since May 1, 1923.

Ser. No. 186,712. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PAUL W. KRUGER, doing business as Paul W. Kruger & Co., Boyett, Miss. Filed Oct. 8, 1923.



No claim is made to the words "Maximum Tooth Service" and "Trade-Mark" apart from the mark shown on the drawing.

Particular description of goods.—Dental Filling Materials.
Claims use since Apr. 20, 1922.

Ser. No. 186,713. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PAUL W. KRUGER, doing business as Paul W. Kruger & Co., Boyett, Miss. Filed Oct. 8, 1923.

SILVELOPACK

Trade-mark consists of the word "Silvelopack."
Particular description of goods.—Dental Filling Material, and Especially to One Essentially of Silver for Filling in Tooth Root Canals by a Method of Condensation or Pressure.
Claims use since Sept. 7, 1923.

Ser. No. 186,714. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PAUL W. KRUGER, doing business as Paul W. Kruger & Co., Boyett, Miss. Filed Oct. 8, 1923.

PULPIDERM

Trade-mark consists of the word "Pulpiderm."
Particular description of goods.—Dental Filling Material, Tooth-Pulp Capping Composition of Matter and Filling Material for Use in Preservation of Live Pulp in Teeth and as a Cavity Lining in Teeth or Filling in Tooth Cavities.
Claims use since Oct. 21, 1921.

Ser. No. 186,715. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PAUL W. KRUGER, doing business as Paul W. Kruger & Co., Boyett, Miss. Filed Oct. 8, 1923.

KAODENTIN

Trade-mark consists of the word "Kaodentin."
Particular description of goods.—Dental Filling Material, Dental Cement Most Particularly for Use in the Preservation of Tooth Pulp Alive and as a Cavity Lining and Foundation for Final Restorations and for Use Also for Filling in Cavities in Teeth and for Temporary Fillings.
Claims use since Jan. 15, 1923.

Ser. No. 187,000. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Oct. 15, 1923.

MISTY

Particular description of goods.—Sprayers and Parts Thereof.
Claims use since Apr. 1, 1910.

Ser. No. 187,241. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa. Filed Oct. 20, 1923.



No claim is made to the words "Pittsburgh" and "Penna." and no claim is made to the representation of a truck apart from the mark shown in the drawing, applicant, however, not hereby disclaiming any common-law right it may have in the mark as shown.

Particular description of goods.—Cabs, Trucks, Vans, Combination Wood and Metal Bodies, Special Bodies, Metal Bodies, Wood Bodies, Stakes, Covers, and Sideboards.
Claims use since Sept. 1, 1923.

Ser. No. 187,535. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PREMIER ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 26, 1923.

RADIOTRAN

Particular description of goods.—Radiotransformers.
Claims use since Sept. 15, 1923.

Ser. No. 187,777. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Oct. 31, 1923.

LA SALLE

Particular description of goods.—Ready-Mixed Paint and Varnish.
Claims use since about 1917.

Ser. No. 188,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELTON CLARK, doing business as Sentinel Pine Orchards, Shoreham, Vt. Filed Nov. 10, 1923.



No claim is made to the word "Apples" apart from the mark as shown.

Particular description of goods.—Raw Apples.
Claims use since Sept. 12, 1923.

Ser. No. 188,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Nov. 24, 1923.

WATCH CASE

Particular description of goods.—Powder Perfumes, Face Powder, Rouge, and Compacts.
Claims use since Nov. 9, 1923.

Ser. No. 190,024. (CLASS 39. CLOTHING.) MAX MAYER & SONS CO., INC., New York, N. Y. Filed Dec. 22, 1923.

O.K. Sarazen
Gene Sarazen

The name "Gene Sarazen" which appears on the drawing is a facsimile signature of one Gene Sarazen.
Particular description of goods.—Knitted Outer Garments—Namely, Knitted Sweaters, Vests, and Jackets.
Claims use since January 21, 1923.

Ser. No. 190,557. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL SILBER, doing business as Samfred Drug Company, New York, N. Y. Filed Jan. 8, 1924.

Phospho-Gadutole

The lining of the letters indicates shade.
Particular description of goods.—Cough Medicine.
Claims use since Nov. 9, 1923.

Ser. No. 191,527. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CAPES-VISCOSE, INC., Delawanna, N. J. Filed Jan. 31, 1924.



No claim is made to the words "Capes-Viscose" apart from the mark as shown.

Particular description of goods.—Viscose Caps for Bottles and Similar Packages.
Claims use since about November, 1923.

Ser. No. 191,680. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FAC-TRY-LYK PAINT COMPANY, New Orleans, La. Filed Feb. 2, 1924.

FAC-TRY-LYK

Particular description of goods.—Quick-Drying, Ready-Mixed Wet Paint for Metal Products.
Claims use since Jan. 1, 1923.

Ser. No. 191,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CO-OPERATIVE CANNERS, San Francisco, Calif. Filed Feb. 6, 1924.

SUNLEA

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Jan. 5, 1924.

Ser. No. 192,264. (CLASS 12. CONSTRUCTION MATERIALS.) NORTHWESTERN EXPANDED METAL COMPANY, Chicago, Ill. Filed Feb. 14, 1924.



Particular description of goods.—Expanded-Metal Lath.
Claims use since Feb. 1, 1924.

Ser. No. 192,265. (CLASS 12. CONSTRUCTION MATERIALS.) NORTHWESTERN EXPANDED METAL COMPANY, Chicago, Ill. Filed Feb. 14, 1924.



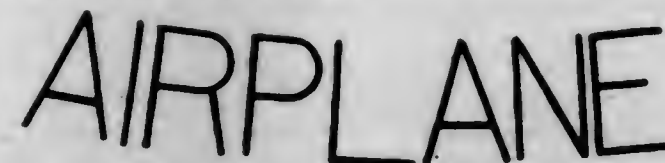
Particular description of goods.—Expanded Metal Lath.
Claims use since Feb. 1, 1924.

Ser. No. 193,121. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PAYNE MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Mar. 1, 1924.



Particular description of goods.—Manicure Instruments.
Claims use since Jan. 3, 1924.

Ser. No. 193,523. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) DANIEL H. KANE, Dayton, Ohio. Filed Mar. 10, 1924.



Trade-mark consists of the word "Airplane."
Particular description of goods.—Gold-Washed Collar Buttons.
Claims use since 1920.

Ser. No. 193,628. (CLASS 11. INKS AND INKING MATERIALS.) JOHN B. SANDERS, doing business as Woodmansee Ink Mfg. Co., Cincinnati, Ohio. Filed Mar. 11, 1924.

BOOKKEEPER'S FRIEND



WRITING FLUID

No claim is made to the words "Woodmansee's Writing Fluid" apart from the mark shown in the drawing.

Particular description of goods.—Writing Ink.
Claims use since Feb. 20, 1920.

Ser. No. 193,911. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FAIRMONT RAILWAY MOTORS, INC., Fairmont, Minn. Filed Mar. 17, 1924.



Particular description of goods.—Gasoline and Hand-Car Engines.
Claims use since January, 1921.

Ser. No. 194,034. (CLASS 39. CLOTHING.) A. V. VICTORIOUS & Co., New York, N. Y. Filed Mar. 18, 1924.



Particular description of goods.—Hosiery.
Claims use since about Mar. 11, 1924.

Ser. No. 195,419. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ROBERT MORRILL SHIPLEY, Wichita, Kans. Filed Apr. 11, 1924.



Particular description of goods.—Watches.
Claims use since June, 1923.

Ser. No. 195,445. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England. Filed Apr. 12, 1924.

AMPLIONETTE

Particular description of goods.—Loud-Speaking Telephonic Receivers.
Claims use since Nov. 1, 1923.

Ser. No. 195,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODOR TEICHGRAEBER AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 19, 1924.

„Heliobrom“

Particular description of goods.—Preparation for the Treatment of Skin Diseases.
Claims use since Dec. 7, 1919.

Ser. No. 195,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODOR TEICHGRAEBER AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 19, 1924.

Acykal

Particular description of goods.—Preparation for the Treatment of Gonorrhea.
Claims use since Dec. 7, 1919.

Ser. No. 196,224. (CLASS 12. CONSTRUCTION MATERIALS.) ART STUCCO COMPANY, Pittsburgh, Pa. Filed Apr. 28, 1924.

HERCULES



Particular description of goods.—Magnesite Stucco or Oxchloride Cement which Constitutes a Special Plaster for Exterior Use.
Claims use since Feb. 20, 1918.

Ser. No. 196,230. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) AARON BURDWIS, Baltimore, Md. Filed Apr. 28, 1924.



The name "M. Koriot" used in the trade-mark is merely fanciful and not the name of an individual.

Particular description of goods.—Clarinet, Cornets, Saxophones, Trombones, Violins, Guitars, Mandolins, Banjos, Ukuleles, Accordions, Phonographs, Player Pianos, Drums, Zithers, Flutes, Piccolos, Oboes, Mouth Harmonicas, Pianos, and Organs.

Claims use since Jan. 1, 1920.

Ser. No. 196,309. (CLASS 12. CONSTRUCTION MATERIALS.) THE KORFUND COMPANY, New York, N. Y. Filed Apr. 29, 1924.

KORFUND

Particular description of goods.—Suberous Insulating Sound-Deadening Material.

Claims use since Aug. 1, 1923.

Ser. No. 196,462. (CLASS 39. CLOTHING.) JACK M. LEVY, New York, N. Y. Filed May 2, 1924.

Sportnet

Particular description of goods.—Bandeaux.
Claims use since Apr. 29, 1924.

Ser. No. 196,595. (CLASS 15. OILS AND GREASES.) THE KEETON OIL COMPANY, Stockton, Kans. Filed May 5, 1924.



No claim is made to the word "Products" apart from the mark shown in the drawing.

Particular description of goods.—Motor Fuel Oil and Motor Lubricating Oil.

Claims use since Mar. 1, 1923.

Ser. No. 196,925. (CLASS 39. CLOTHING.) MUSKIN SHOE COMPANY, Baltimore, Md. Filed May 12, 1924.



Particular description of goods.—Boots and Shoes of Leather, Rubber, Fabric, and Combinations of the Same.

Claims use since Apr. 21, 1924.

Ser. No. 197,054. (CLASS 39. CLOTHING.) THE SNELLENBURG CLOTHING COMPANY, Philadelphia, Pa. Filed May 14, 1924.



No claim is made to the words "All Weather Knit Coat" and "Knit" apart from the mark shown.

Particular description of goods.—Men's Light-Weight Overcoat Made from a Woven Material.

Claims use since about Apr. 10, 1924.

Ser. No. 197,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERCULES CHEMICAL CO. INC., Philadelphia, Pa. Filed May 24, 1924.



The words "The Wonder Spray" appearing on the drawing are disclaimed apart from the mark shown.

Particular description of goods.—Sprays, Insecticides, Disinfectants, and Deodorants.

Claims use since May 1, 1922.

Ser. No. 197,583. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. V. CHAMPION & COMPANY, Danville, Ill. Filed May 26, 1924.

TOSTWICH

The drawing is lined to indicate the color red.

Particular description of goods.—Electric Hot Plates.
Claims use since Nov. 19, 1923.

Ser. No. 198,215. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

SALICUM

Particular description of goods.—Adhesives Made from Cereal Products.

Claims use since February, 1908.

Ser. No. 198,378. (CLASS 39. CLOTHING.) POIRETTE CORSETS, INC., New York, N. Y. Filed June 10, 1924.

Rubbertext Reducer

No claim is made to the word "Reducer" apart from the mark shown in the drawing; but applicant does not by this disclaimer surrender its common-law rights to this word.

Particular description of goods.—Corsets, Girdles, Brassières, and Combination Garments Consisting of Corsets and Brassières.

Claims use since Apr. 30, 1924.

Ser. No. 198,422. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAM METAL PRODUCTS CO., INC., New York, N. Y. Filed June 11, 1924.



The words "Trade-Mark" are disclaimed.

Particular description of goods.—Household Articles—Namely, Egg Beaters, Cake Turners, Knife Sharpeners, Can Openers, Potato Mashers, Fruit and Vegetable Corers, Nutcrackers, Meat Choppers, and Butter Churns.
Claims use since about June 1, 1916.

Ser. No. 198,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON'S BAY CANNING COMPANY, Lubec, Me. Filed June 16, 1924.



The descriptive word "Brand" and the geographical term "Lubec, Maine" are disclaimed as a part of the mark sought to be registered, these redundant words having been inadvertently made a part of the drawing.

Particular description of goods.—Canned Sardines.
Claims use since May 26, 1924.

Ser. No. 198,675. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PURITAN TUTTLE COAL CO. INC., Columbus, Ohio. Filed June 16, 1924.

HIGHLAND WHITEASH

No claim is made to the words "White Ash" apart from the mark as shown.

Particular description of goods.—Coal.
Claims use since January, 1912.

Ser. No. 198,746. (CLASS 5. ADHESIVES.) HURON MILLING COMPANY, Harbor Beach, Mich. Filed June 18, 1924.



The mark consists of a red stave among other staves not so colored and constituting parts of a barrel. No claim is made to the representation of the container itself.

Particular description of goods.—Gums, Sizings, and Pastes Made from Starches.
Claims use since 1915.

Ser. No. 198,927. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AEROVOK WIRELESS CORPORATION, New York, N. Y. Filed June 21, 1924.



RESISTOFORMER

Particular description of goods.—Radio Resistance-Coupled Amplifying Units.
Claims use since Feb. 1, 1924.

Ser. No. 199,006. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) A. KLIPSTEIN AND COMPANY, Woodbridge, N. J., and New York, N. Y. Filed June 24, 1924.

GLYCRO-ESTER

The word "Ester" is disclaimed apart from the mark in the drawing.

Particular description of goods.—Synthetic Gum Used in Paints and Varnishes.
Claims use since Oct. 8, 1918.

Ser. No. 199,157. (CLASS 39. CLOTHING.) THE FALLS CITY MILLS COMPANY, Louisville, Ky. Filed June 26, 1924.

KOVER-U

Particular description of goods.—Motor Suits and One-Piece Work Garments Sometimes Known as Unionalls.

Claims use since November, 1921.

Ser. No. 199,187. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMAND SCHUHL, doing business as Oriza L. Legrand, Paris, France. Filed June 26, 1924.

LE
BON
TON

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Face Creams, Briliantine, Eau de Cologne, and Lotion for the Skin and Hair.

Claims use since Apr. 3, 1923.

Ser. No. 199,233. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. H. LEATHERS, doing business as A. H. Leathers Manufacturing Company, Dickson, Tenn. Filed June 27, 1924.

AHL

Particular description of goods.—Baseball Bats.
Claims use since Apr. 28, 1923.

Ser. No. 199,266. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VERNIS CLAESSENS S. A. ANCT. CLAESSENS FRÈRES & Co., Antwerp, Belgium. Filed June 27, 1924.

JAPONIKA

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since October, 1909.

Ser. No. 199,267. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VERNIS CLAESSENS S. A. ANCT. CLAESSENS FRÈRES & Co., Antwerp, Belgium. Filed June 27, 1924.

CLAVE RCO

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since April, 1924.

Ser. No. 199,485. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed July 2, 1924.

NB

Particular description of goods.—Metal Shop Furniture—Namely, Bench Legs, Bench Drawers, Work Stands, Tool Racks, Pan Top Racks, Frame Racks, Screw Racks, Vise Stands, Lathe Pans, Stock Racks, Ladders, Tote Boxes, and Tote-Box Racks.

Claims use since 1919.

Ser. No. 199,486. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed July 2, 1924.

NONE BETTER

Particular description of goods.—Screw Machines, Chucking Machines, Mortising Machines, Chain-Saw Mortisers, Mortising Chains, Chain Bars, Sprockets, Sprocket Centers, Chain Sharpeners, Spools, Wrenches, and Socket Sets.

Claims use since 1917.

Ser. No. 199,487. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed July 2, 1924.

NEW BRITAIN

Particular description of goods.—Metal Shop Furniture—Namely, Bench Legs, Bench Drawers, Work Stands, Tool Racks, Pan Top Racks, Frame Racks, Screw Racks, Vise Stands, Lathe Pans, Stock Racks, Ladders, Tote Boxes, and Tote-Box Racks.

Claims use since August, 1895.

Ser. No. 199,488. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed July 2, 1924.

NEW BRITAIN

Particular description of goods.—Screw Machines, Chucking Machines, Mortising Machines, Chain-Saw Mortisers, Mortising Chains, Chain Bars, Sprockets, Sprocket Centers, Chain Sharpeners, Spools, Wrenches, and Socket Sets.

Claims use since August, 1895.

Ser. No. 199,711. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ULMER J. MASHBURN, doing business as Deep Sea Canning Co., Anna Maria Island, Fla. Filed July 7, 1924.



Particular description of goods.—Fish Chowder.
Claims use since Feb. 1, 1924.

Ser. No. 199,730. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IVERSON C. WELLS & SON, Chicago, Ill. Filed July 7, 1924.

Unilog

Particular description of goods.—Tuning Units, Condensers, Radio-Set Kits (the Unassembled Parts of Complete Radio Sets Put Up as Units or Kits), Inductance Coils, Radiofrequency Transformers, Rheostats, Audiofrequency Transformers, Binding Posts, Audiofrequency Amplifier Units, Detector Units, Receiving Sets, Loud Speakers, Head Phones, Grid Leaks, Fixed Condensers, and Panels.

Claims use since June 10, 1924.

Ser. No. 199,823. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed July 10, 1924.

PLAZA GRAY

The word "Gray" is disclaimed except in connection with the mark shown.

Particular description of goods.—Paint Colors, Pigments, and Ready-Mixed Paints.

Claims use since Dec. 8, 1923.

Ser. No. 199,872. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILLIAM H. YOUNG MANUFACTURING COMPANY, Paterson, N. J. Filed July 10, 1924.

Read it on the dash



No claim is made for "Oil Gauge," "Read It on the Dash," "In the Light," and "Or at Night" apart from the mark shown by the drawing.

Particular description of goods.—Oil Gauges for Automobiles.

Claims use since Jan. 20, 1924.

Ser. No. 199,879. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed July 11, 1924.

PERSIAN GOLD

The word "Gold" is disclaimed except in connection with the mark as shown.

Particular description of goods.—Paint Colors, Pigments, and Ready-Mixed Paints.

Claims use since May 24, 1924.

Ser. No. 199,880. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed July 11, 1924.

STRAINED HONEY

Particular description of goods.—Paint Colors, Pigments, and Ready-Mixed Paints.

Claims use since May 24, 1924.

Ser. No. 200,321. (CLASS 39. CLOTHING.) JULIUS KAYSER & CO., New York, N. Y. Filed July 21, 1924.

Triconese

Particular description of goods.—Fabric Gloves; Knitted or Textile Underwear for Men, Women, and Children; and Hosiery.

Claims use since Mar. 1, 1924.

Ser. No. 200,370. (CLASS 39. CLOTHING.) J. K. ORR SHOE COMPANY, Atlanta, Ga. Filed July 22, 1924.

STONE MOUNTAIN



Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations Thereof.

Claims use since June 1, 1924.

Ser. No. 200,387. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND & SNYDER, Fullerton, La. Filed July 23, 1924.

The ATHELAC



The portrait shown is that of Moses T. Edmund.

Particular description of goods.—Hair-Growing Preparation.

Claims use since on or about Aug. 31, 1923.

Ser. No. 200,447. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed July 24, 1924.

FAMILY

Particular description of goods.—Canned Fruits.

Claims use since 1896.

Ser. No. 200,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed July 25, 1924.

THIN PACT

Particular description of goods.—Face Powder and Rouge in Compact Form.

Claims use since July 9, 1924.

Ser. No. 200,488. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GOLDSCHMIDT CORPORATION, New York, N. Y. Filed July 25, 1924.



Particular description of goods.—Radiotelephone Head Sets, Radio Receiving Sets, Radio Transformers, Radio Condensers, Loud Speakers, Telephone Units for Loud Speakers, and Loops.

Claims use since Mar. 7, 1923.

Ser. No. 200,581. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) REDUX PAPER PRODUCTS INC., New York, N. Y. Filed July 26, 1924.

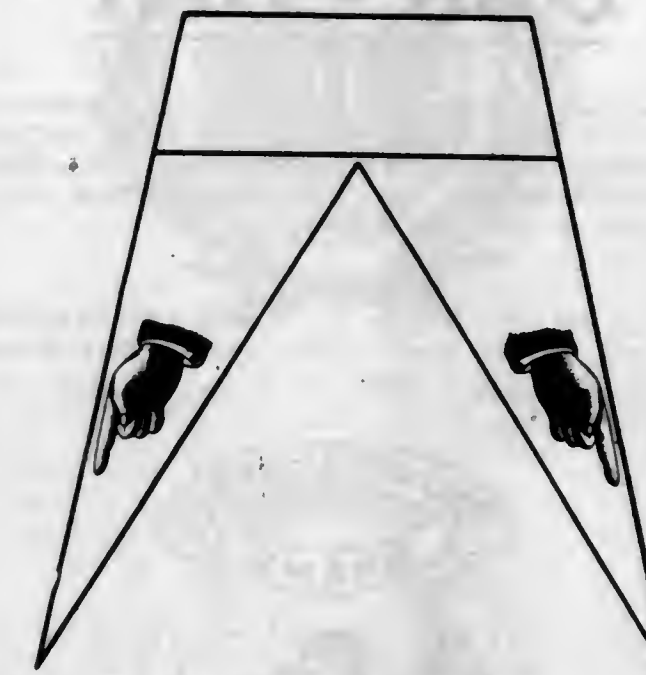


The letter "X" appears in red. Applicant disclaims exclusive rights in and under the word "Products," but does not waive the rights in and under said word under applicant's rights under the common law and as associated in applicant's trade-mark.

Particular description of goods.—Dress Dividers.

Claims use since June 27, 1924.

Ser. No. 200,613. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBUS VENDING COMPANY, Columbus, Ohio. Filed July 28, 1924.



Particular description of goods.—Vending Machines.

Claims use since September, 1908.

Ser. No. 200,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. BOLOGNA & COMPANY, New Orleans, La. Filed Aug. 1, 1924.



The descriptive words "Marca," "Extra Fine" and "Olive Oil" are disclaimed.

Particular description of goods.—Olive Oil.

Claims use since Jan. 1, 1915.

Ser. No. 200,845. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BLO-DRY, INC., New York, N. Y. Filed Aug. 2, 1924.

BLO-DRY

Particular description of goods.—Dry-Air Blowers and Driers for Lavatories, Barber Shops, and Beauty Parlors; Hand-Operated Hair Driers, Face-Massage Driers, Wall-Mounted Face Driers, and Pedestal-Mounted Face Driers. *Claims use since May 1, 1924.*

Ser. No. 200,877. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER COMPANY, Fort Wayne, Ind. Filed Aug. 2, 1924.



No claim is made for the exclusive use of the word "Brand."

Particular description of goods.—Articles Made Wholly or in Part of Paper—viz. Shirt Boards, Second Sheets, Sales Books, Silk Paper, Glacine, Paper, Shelf Paper, Restaurant Checks, Pin Tickets, Writing Tablets, Tags, Towels, Toilet Paper, Adding-Machine Rolls, Box Files, Blotting Paper, Bread Wrappers, Corrugated Fiber Board, Cardboard Blanks, Desk Calendars, Crêpe Paper, Chop Holders, Dollies, Envelopes, Gummed Tape, Gummed Labels, Grease Proofed Paper, Loose-Leaf Binders, Napkins, Printed Advertising Tape for Tying Packages, Parchment Paper, Pattern Paper, Tissue Paper, Waxed Paper, Wrapping Paper, Pens and Pencils, Book Paper, Butter Wrappers.

Claims use since July 30, 1924.

Ser. No. 200,918. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WELCH, HOLME & CLARK COMPANY, Newark, N. J., and New York, N. Y. Filed Aug. 2, 1924.

ROYAL BRAND

The word "Brand" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Tallow for Use in Manufacturing Soap.

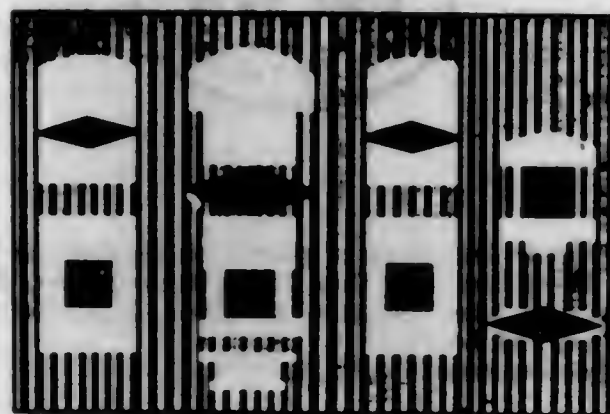
Claims use since May 1, 1899.

Ser. No. 201,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPH C. ONNEN, doing business as The Armol Chemical Co., Baltimore, Md. Filed Aug. 5, 1924.



Particular description of goods.—A Liquid Preparation for the Treatment of Colds, Grippe, Chills, and Fever, Malaria, and Billousness, a Blood Builder. *Claims use since Apr. 1, 1923.*

Ser. No. 201,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETÀ PREPARATI CASALI, Rome, Italy. Filed Aug. 6, 1924.

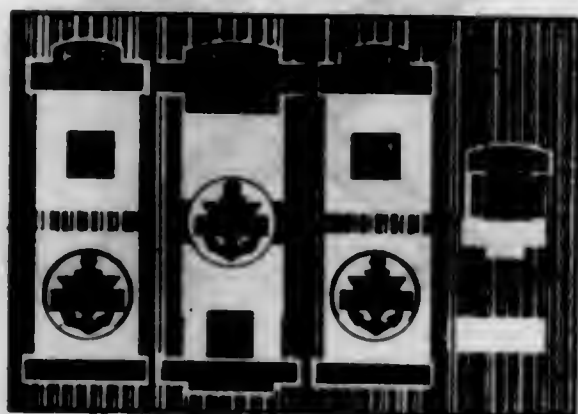


The use of the word "Siero" other than in combination with the rest of the mark is hereby disclaimed.

Particular description of goods.—Remedy for Arteriosclerosis, Anæmia, and Decline, Infective Diseases, and Metabolic Disturbances.

Claims use since June, 1923.

Ser. No. 201,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETÀ PREPARATI CASALI, Rome, Italy. Filed Aug. 6, 1924.



The use of the words "Bronco Pulmonarium" other than in combination with the rest of the mark is hereby disclaimed.

Particular description of goods.—Remedy for Disease of the Bronchi and the Lung.

Claims use since June, 1923.

Ser. No. 201,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETÀ PREPARATI CASALI, Rome, Italy. Filed Aug. 6, 1924.



The use of the words "Bronco-Pulmonarium" other than in combination with the rest of the mark is hereby disclaimed.

Particular description of goods.—Remedy for Pulmonary Tuberculosis, Tuberculosis of the Serosa, Specific Osteo-Articular Affections.

Claims use since June, 1923.

Ser. No. 201,083. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JULIUS GARON, doing business as Julgar Watch Company and Julgar Company, Duluth, Minn. Filed Aug. 7, 1924.

JULGAR

Particular description of goods.—Watches and Clocks. *Claims use since June 1, 1921.*

Ser. No. 201,105. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALEXANDER SILBER, doing business as A. Silber P. C. Mfg. Co. and Globe P. C. Mfg. Co., New York, N. Y. Filed Aug. 7, 1924.



Particular description of goods.—Sheets and Pillowcases.

Claims use since Jan. 5, 1924.

Ser. No. 201,214. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE WAYNE COUNTY PRODUCE CO., Greenpoint, Brooklyn, N. Y. Filed Aug. 9, 1924.



No claim is made to the color red indicated by the lining on the drawing. No claim is made to the exclusive use of the words "Trade-Mark" apart from the mark displayed on the drawing.

Particular description of goods.—Cider.

Claims use since 1905.

Ser. No. 201,271. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARL W. WINKLER, INC., Palm Beach, Fla. Filed Aug. 11, 1924.

WINK-O-LITE

Particular description of goods.—Electrical Automobile Headlights.

Claims use since Aug. 4, 1924.

Ser. No. 201,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB MOSCHEL'S SONS INC., Buffalo, N. Y. Filed Aug. 12, 1924.

STRAWBERRY

Particular description of goods.—Smoked Meats—Namely, Ham and Bacon.

Claims use since June 1, 1924.

Ser. No. 201,382. (CLASS 39. CLOTHING.) TANENHAUS BROS. INC., New York, N. Y. Filed Aug. 13, 1924.



No claim is made to the words "Quality Clothes" apart from the mark shown.

Particular description of goods.—Men's Suits.

Claims use since May 15, 1924.

Ser. No. 201,420. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WESTERN SAFETY MFG. CO. INC., San Francisco, Calif. Filed Aug. 14, 1924.

"WESTEST"

Particular description of goods.—Electrical Switches, Electrical Safety Switches, Electrical Switch Boxes, and Metal Cabinets for Electrical Switches.
Claims use since Apr. 22, 1924.

Ser. No. 201,446. (CLASS 17. TOBACCO PRODUCTS.) HABA NEUBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.

TABAKETTE

Particular description of goods.—Leaf Tobacco, Smoking Tobacco, Chewing Tobacco, Snuff, Cigars, Stogies, and Cigarettes.
Claims use since Aug. 9, 1923.

Ser. No. 201,500. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. E. HOOPER & SONS Co., Woodberry, Baltimore, Md. Filed Aug. 16, 1924.

HOOPERWOOD
2100

Particular description of goods.—Textile Fabrics of Cotton.
Claims use since June, 1919.

Ser. No. 201,531. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER W. BIDDICK, INC., Los Angeles, Calif. Filed Aug. 18, 1924.

QUALATONE

Particular description of goods.—Radio Products Consisting of Receiving Sets, Loud Speakers, A Batteries, B Batteries, Head Sets, Phone Plugs, Reflex Coils, Crystals, Transformers, Condensers, and Sockets.
Claims use since Apr. 16, 1924.

Ser. No. 201,633. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) W. A. H. WELLS Co., INC., Providence, R. I. Filed Aug. 19, 1924.

WELDON

Particular description of goods.—Chains and Chain Links for Personal Adornment, Bracelets, Cuff Links, Ornamental Cuff Buttons, Cuff Pins, Ornamental Clasp Pins, Chain and Ornamental Pin Clasps, Swivels, Spring Rings, and Screw Eyes.
Claims use since July 1, 1924.

Ser. No. 201,643. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMPLIFEX RADIO CORPORATION, Arlington, Mass. Filed Aug. 20, 1924.



Particular description of goods.—Radio Receiving Sets, Parts Thereof, and Loop Antennae Therefor.
Claims use since Jan. 1, 1924.

Ser. No. 201,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD OLSON, doing business as Vetterin Company, Brooklyn, N. Y. Filed Aug. 21, 1924.



Particular description of goods.—Antiseptic and Healing Compound for Sores, Bruises, Bolls, Wounds, Burns, and Insect Bites.
Claims use since June 1, 1924.

Ser. No. 201,749. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HEALTH-TEX PRODUCTS CORPORATION, Chicago, Ill. Filed Aug. 22, 1924.



Particular description of goods.—Sanitary Belts for Ladies.
Claims use since November, 1923.

Ser. No. 201,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Aug. 22, 1924.

Fleurs A Vous

Particular description of goods.—Skin and Tissue Cream, Talc, Face Powder, Bath Salts, Sachet, Tooth Powder, Almond Cream, Toilet Water, Headache Cologne, Smelling Salts, Cold Cream, Tooth Paste, Perfume, Lip Sticks, Bath Powder, Toilet Cerate, and Vanishing Cream.
Claims use since Dec. 22, 1923.

Ser. No. 201,943. (CLASS 12. CONSTRUCTION MATERIALS.) AGUNA MAHOGANY & TIMBER COMPANY, Boston, Mass. Filed Aug. 28, 1924.

Aguna

Particular description of goods.—Mahogany Timber and Lumber.
Claims use since Apr. 1, 1923.

Ser. No. 201,983. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIS H. SILVESTER, doing business as Vacuum Pulley Covering Company, Newark, N. J. Filed Aug. 28, 1924.



No claim is made to the words "Non-Slip," "Canvas," and "Pulley Covering" excepting in the form and setting shown in the drawing, and no claim is made to the illustration of the pulley covering.

Particular description of goods.—Pulley Covering.
Claims use since Aug. 1, 1924.

Ser. No. 202,084. (CLASS 2. RECEPTACLES.) UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Aug. 30, 1924.



BANNER KRAFT

Applicant disclaims exclusive right to the use of the word "Kraft." The drawing is lined for red.
Particular description of goods.—Paper Bags.
Claims use since Aug. 23, 1924.

Ser. No. 202,138. (CLASS 39. CLOTHING.) L. OLCHIN & Co., Inc., Norwalk, Conn., and New York, N. Y. Filed Sept. 2, 1924.



The word "Price" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Ladies' and Misses' Dresses.
Claims use since May 20, 1924.

Ser. No. 202,141. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEELESS RADIO CORPORATION, Chicago, Ill. Filed Sept. 2, 1924.

ELECTRADYNE

Particular description of goods.—Radio Receiving Sets and Radio Parts—Namely, Transformers, Condensers, Coils, Sockets, Panels, Dials, Knobs, Jackets, Plugs, and Switches.
Claims use since May, 1924.

Ser. No. 202,145. (CLASS 39. CLOTHING.) ROSENBERG Bros. & Co., Rochester, N. Y. Filed Sept. 2, 1924.

DRAGON

Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since Aug. 1, 1924.

Ser. No. 202,147. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEO. H. SMITH STEEL CASTING COMPANY, Milwaukee, Wis. Filed Sept. 2, 1924.

Trackson

Trade-mark consists of the word "Trackson."
Particular description of goods.—Crawler Attachments for Tractors.
Claims use since July 16, 1924.

Ser. No. 202,151. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STEBLER PARKER CO., Riverside, Calif. Filed Sept. 2, 1924.



Particular description of goods.—Fruit-Packing-House Machinery, Particularly Fruit Graders, Assorters, Elevators, Washers, Driers, Feeders, and Various Special Machinery for Fruit-Packing Houses.
Claims use since Mar. 1, 1924.

Ser. No. 202,162. (CLASS 39. CLOTHING.) CATTAMOUNT MFG. CO., INC., Bennington, Vt. Filed Sept. 3, 1924.

Kiddymount

Trade-mark consists of the word "Kiddymount."
Particular description of goods.—Children's Taped Waist and Bloomer Union Suits.
Claims use since July 1, 1922.

Ser. No. 202,175. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MILNOR, INC., Los Angeles, Pasadena, Beverly Hills, Long Beach, Calif., and Honolulu, Hawaii. Filed Sept. 3, 1924.



The word "Importers" is not claimed separately.
Particular description of goods.—Precious and Semi-precious Stones and Gems, Jewel Articles of Mounted Beads, and Jewelry for Personal Wear, Mostly of Oriental Origin; Watches Being Omitted.
Claims use since Oct. 1, 1923.

Ser. No. 202,194. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFACORN MILLING COMPANY, St. Louis, Mo. Filed Sept. 4, 1924.



Particular description of goods.—Feeds for Horses, Cattle, and Poultry.
Claims use since Aug. 14, 1924.

Ser. No. 202,234. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ALVIN R. ALVES, Lockhart, Tex. Filed Sept. 5, 1924.



The word "Seed" is disclaimed.
Particular description of goods.—Field and Vegetable Seed.
Claims use since May 5, 1924.

Ser. No. 202,247. (CLASS 39. CLOTHING.) THE FALLS CITY MILLS COMPANY, Louisville, Ky. Filed Sept. 5, 1924.

BIG ROCK

Particular description of goods.—Overalls.
Claims use since December, 1921.

Ser. No. 202,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SELIG COMPANY, Atlanta, Ga. Filed Sept. 5, 1924.

Se-fly-go

Particular description of goods.—Insecticide.
Claims use since April, 1924.

Ser. No. 202,270. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LEO WISE, Cincinnati, Ohio. Filed Sept. 5, 1924.

LEO'S

HOLE in the WALL

Particular description of goods.—Electrical Apparatus for Automobiles and Like Vehicles—Namely, Electric Headlights; Electric Lamps, Bulbs, and Torches; Spark Plugs, Storage Batteries, Switches, Binding Posts, and Electric Lighting and Motive Systems Used in Automobiles and Like Vehicles.
Claims use since Nov. 18, 1920.

Ser. No. 202,278. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CAPITOL MACHINE CO. INC., New York, N. Y. Filed Sept. 6, 1924.

CAPITOL

Particular description of goods.—Projectors.
Claims use since Aug. 1, 1924.

Ser. No. 202,299. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Sept. 6, 1924.

Big Tat-Too

Particular description of goods.—Clocks and Watches.
Claims use since Aug. 23, 1924.
329 O. G.—20

Ser. No. 202,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SNIDER PACKING CO., INC., Los Angeles, Calif. Filed Sept. 6, 1924.



The picture on the drawing is merely fanciful and is not the portrait of any living individual.
Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, Cantaloupes, and Fresh Vegetables.
Claims use since Nov. 1, 1923.

Ser. No. 202,314. (CLASS 39. CLOTHING.) H. G. NICHOL, doing business as H. G. Nichol Mfg. Co., Nashville, Tenn. Filed Sept. 4, 1924.



Particular description of goods.—Men's, Youths', and Boys' Pants, Trousers, Riding Pants, Jumpers, Coats, Vests, and Two and Three Piece Men's, Youths', and Boys' Suits.
Claims use since Dec. 1, 1921.

Ser. No. 202,356. (CLASS 15. OILS AND GREASES.) PROTANE CORPORATION, Erie, Pa. Filed Sept. 8, 1924.

PROTANE

Particular description of goods.—Liquid Hydrocarbon Fuel Obtained from Casing-Head Gas.
Claims use since Aug. 1, 1924.

Ser. No. 202,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZONITE PRODUCTS COMPANY, New York, N. Y. Filed Sept. 8, 1924.



No claim is made to the representation of the carton per se.

Particular description of goods.—Antiseptic, Germ Destroyer, Disinfectant, Deodorant, and Bleach.
Claims use since July 25, 1924.

Ser. No. 202,373. (CLASS 39. CLOTHING.) BARON BROS. MILLINERY COMPANY, Dallas, Tex. Filed Sept. 9, 1924.



Particular description of goods.—Hats for Women and Children.
Claims use since 1912.

Ser. No. 202,400. (CLASS 39. CLOTHING.) LEFKOWITZ & PITOWSKY INC., New York, N. Y. Filed Sept. 9, 1924.



No claim is made to the words "Polo Coat" apart from the mark.

Particular description of goods.—Wearing Apparel—Namely, Coats for Men, Women, or Children.
Claims use since Mar. 1, 1924.

Ser. No. 202,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNESOTA CROSBY CORN EXCHANGE, Minneapolis, Minn. Filed Sept. 9, 1924.



Particular description of goods.—Canned Vegetables.
Claims use since January, 1922.

Ser. No. 202,425. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WERTHEIMER BROTHERS RIBBONS INC., New York, N. Y. Filed Sept. 9, 1924.



Particular description of goods.—Woven-Wire Gauze.
Claims use since Aug. 1, 1924.

Ser. No. 202,430. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ADVANCE AUTOMOBILE ACCESSORIES CORP., Chicago, Ill. Filed Sept. 10, 1924.



Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Aug. 19, 1924.

Ser. No. 202,502. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUDSON & COMPANY, Holley, N. Y. Filed Sept. 11, 1924.



Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since 1910.

Ser. No. 202,510. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE L. T. N. MANUFACTURING & DEVELOPMENT SYSTEM, Platteville, Colo. Filed Sept. 11, 1924.



Particular description of goods.—Burners and Gas-Burning Appliances for Internal-Combustion Engines.
Claims use since Mar. 20, 1924.

Ser. No. 202,556. (CLASS 39. CLOTHING.) M. M. HALPERN, Inc., Springfield, Mass. Filed Sept. 12, 1924.



Particular description of goods.—Men's and Boys' Suits, Overcoats, Dress Shirts, Collars, Neckties, Men's Hats, and Leather Shoes.
Claims use since Aug. 23, 1924.

Ser. No. 202,566. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH TILLOU SATTELS, doing business as Uncle Sam Electric Company, Plainfield, N. J. Filed Sept. 12, 1924.



Particular description of goods.—Radio Receiving Sets and Parts Thereof—Namely, Phones, Head Sets, Tuning Coils, Induction Coils, Condensers, Transformers, Detectors, Insulators, Plugs, Extension Cords, Lightning Protectors or Arresters, Vacuum Tubes, Vacuum-Tube Sockets, and Loud Speakers and Horns for Radio Apparatus.
Claims use since Oct. 29, 1923.

Ser. No. 202,574. (CLASS 39. CLOTHING.) JAMES N. JACOBS, doing business as The James Company, Minneapolis, Minn. Filed Sept. 11, 1924.



Particular description of goods.—Female Clothing—Namely, Bloomers, Chemise, Undervests, French Pants and Vest Sets of Textile Fabric, Pyjamas, Petticoats, Step-Ins, Princess Slips, Pantalets, Lounging Robes, and Gowns.

Claims use since about Aug. 8, 1923.

Ser. No. 202,595. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Sept. 13, 1924.



Particular description of goods.—Corsets, Shoulder Braces, and Men's Underwear of Textile Fabric.
Claims use since June 1, 1924.

Ser. No. 202,612. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed Sept. 15, 1924.



Particular description of goods.—Resistances for Current-Control Purposes for Radio Receiving and Other Circuits—Namely, Coupling Resistances and Grid-Leak Resistances.

Claims use since June 21, 1924.

Ser. No. 202,613. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed Sept. 15, 1924.



Particular description of goods.—Electrical Condensers—Namely, Fixed Condenser Units for Radio Receiving Circuits.

Claims use since June 21, 1924.

Ser. No. 202,622. (CLASS 39. CLOTHING.) FOOT, SCHULZE & Co., St. Paul, Minn. Filed Sept. 15, 1924.



Particular description of goods.—Children's Shoes Consisting of Leather, Rubber, Fabric, or Combinations Thereof.

Claims use since Sept. 3, 1924.

Ser. No. 202,632. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARSHALL ELECTRIC COMPANY, St. Louis, Mo. Filed Sept. 15, 1924.



Particular description of goods.—Electric Controlling Devices of the Compression-Resistor Type.
Claims use since Aug. 23, 1924.

Ser. No. 202,655. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & Co., Minneapolis, Minn. Filed Sept. 15, 1924.

Mac-a-jac

Particular description of goods.—Jackets.
Claims use since Apr. 22, 1924.

Ser. No. 202,656. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & Co., Minneapolis, Minn. Filed Sept. 15, 1924.

Overjac

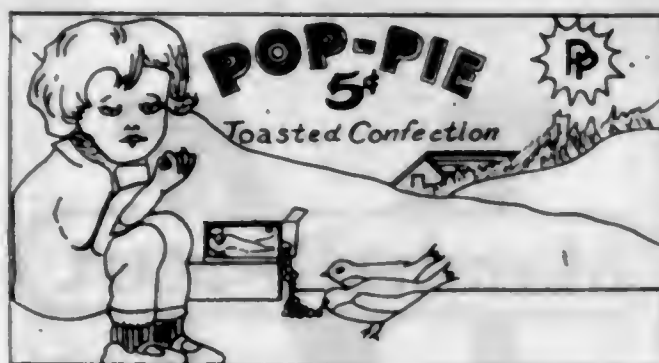
Particular description of goods.—Jackets.
Claims use since Apr. 22, 1924.

Ser. No. 202,663. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALEXANDER S. HECHE, New York, N. Y. Filed Sept. 16, 1924.

CHARMITONE

Particular description of goods.—Radio Supplies and Wireless Equipment—Namely, Loud Speakers, Amplifying Horns, and Head Sets.
Claims use since May 15, 1924.

Ser. No. 202,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE PANZA, doing business as The Pop-Pie Company, Springfield, Mass. Filed Sept. 16, 1924.



No claim is made to the terms "5¢" and "Toasted Confection" apart from the mark as shown.
Particular description of goods.—Chocolate-Coated Pop Corn.
Claims use since Aug. 29, 1924.

Ser. No. 202,681. (CLASS 39. CLOTHING.) J. D. SILBERSTEIN & SONS, INC., New York, N. Y. Filed Sept. 16, 1924.

TRUCLOTH

Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since Aug. 1, 1924.

Ser. No. 202,694. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GEO. R. DEBNAM JR., doing business as Gin-Gin Manufacturing Co., Baltimore, Md. Filed Sept. 17, 1924.

GIN-GIN

Particular description of goods.—Nonalcoholic, Maltless Beverage Simulating Ginger Ale and Gin.
Claims use since June 15, 1924.

Ser. No. 202,701. (CLASS 39. CLOTHING.) ERVIN M. HATZ, doing business as Valley Forge Knitting Mills, Norristown, Pa. Filed Sept. 17, 1924.



Particular description of goods.—Men's, Women's, and Children's Hosiery; Underwear of Knitted, Netted, or Textile Fabric; and Sweaters.
Claims use since Apr. 24, 1924.

Ser. No. 202,717. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. G. SCHMIDT, doing business as Schmidt Canning Company, San Benito, Tex. Filed Sept. 17, 1924.

S & S

Particular description of goods.—Canned Vegetables.
Claims use since June, 1916.

Ser. No. 202,731. (CLASS 39. CLOTHING.) THE WHITNEY-ROTH SHOE CO., Cleveland, Ohio. Filed Sept. 17, 1924.

ReLeaf

Particular description of goods.—Men's, Boys', Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather and Cloth.
Claims use since 1912.

Ser. No. 202,745. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARL P. EICHLER, doing business as The Eichler Floral Co., Rocky River, Ohio. Filed Sept. 18, 1924.

Flexostem

Particular description of goods.—Everlasting Natural Flowers.
Claims use since Sept. 12, 1924.

Ser. No. 202,758. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM H. PRIESS, Jersey City, N. J. Filed Sept. 18, 1924.

Priess

Trade-mark is a facsimile signature by applicant of his last name.
Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Aug. 16, 1924.

Ser. No. 202,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BIKA CO., Bedford, Pa. Filed Sept. 17, 1924.



The Japanese characters appearing on the drawing spell the word "Bika," translated "Beautifier." No claim is made to the words "Trade-Mark."
Particular description of goods.—Depilatory.
Claims use since July 18, 1924.

Ser. No. 202,774. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTON MANUFACTURING CO., Birmingham, Ala. Filed Sept. 19, 1924.



The picture is fanciful. Exclusive use of the words "Hair Dressing" is disclaimed, except in association with the other features of the mark, all common-law rights in these words, however, being expressly reserved.
Particular description of goods.—Preparation for Straightening, Growing, and Beautifying the Hair.
Claims use since Sept. 9, 1924.

Ser. No. 202,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSCAR R. WEYGAND, doing business as The Sa-Fac Company, Chicago, Ill. Filed Sept. 19, 1924.

SA-FAC

Particular description of goods.—Medicinal Preparation for Cleansing the Tongue and Mouth.
Claims use since Sept. 2, 1924.

Ser. No. 202,794. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHAMBERLIN ELECTRIC CO. INC., New York, N. Y. Filed Sept. 20, 1924.

MARV-O-DYNE

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since about Sept. 9, 1924.

Ser. No. 202,847. (CLASS 39. CLOTHING.) ALLEN-SPINGEL SHOE MFG. CO., Belgium, Wis. Filed Sept. 22, 1924.

Osteo-path-ik

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Combination Thereof, Insoles, and Outer Soles.
Claims use since January, 1924.

Ser. No. 202,872. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KING WHOLESALE DRUG COMPANY, Helena, Ark. Filed Sept. 22, 1924.

GOLDEN HEALTH RESTORER

The words "Health Restorer" appearing on the drawing are disclaimed apart from the mark as shown.
Particular description of goods.—Medicinal Tonic Particularly for Women, Prepared Expressly for the Treatment of Functional Troubles of the Female Generative Organs, Such as Irregular, Painful, or Excessive Menstruation, Bearing-Down Pains, and Other Functional Disorders of the Female Reproductive System.
Claims use since Apr. 30, 1923.

Ser. No. 203,014. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Sept. 24, 1924.

Toxide

Particular description of goods.—Driers for Paints and Japan Driers.
Claims use since about June 1, 1911.

Ser. No. 203,018. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Sept. 25, 1924.

ACE

Particular description of goods.—Radio Horns Used for Loud Speakers or Other Sound Transmitting or Amplifying Devices for Use with Radio or Wireless Telegraph Apparatus.
Claims use since July 20, 1922.

Ser. No. 203,020. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa. Filed Sept. 25, 1924.

ENTERPRISE

Particular description of goods.—Meat Choppers, Coffee Mills, Fruit Presses, Cherry Stoners, Sausage Stuffers, Spice Mills, Drug Presses, Tobacco Cutters, Bunghole Borer, Bone Mills, Shell Mills, Corn Mills, Raisin Seeders, Grape Seeders, Meat Shavers, Vegetable Slicers, Cheese Cutters, Juice Extractors, and Ice Shredders.
Claims use since 1867.

Ser. No. 203,059. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Sept. 25, 1924.

Toxbro

Particular description of goods.—Oil-Soluble Colors for Coloring Varnishes, Waxes, and Greases; Paints in Dry, Paste, and Ready-Mixed Forms; and Paint Compositions, Varnishes, Toners, and Lake and Dry Colors Used Alone or with Other Colors or Bases.
Claims use since about July 1, 1905.

Ser. No. 203,076. (CLASS 2. RECEPTACLES.) GEORGE FRITZ, doing business as George Fritz Manufacturing Company, Cincinnati, Ohio. Filed Sept. 26, 1924.

ADD A BIN

Particular description of goods.—Bins for Hardware, Such as Nuts and Bolts, Used in Garages and the Like.
Claims use since Sept. 20, 1924.

Ser. No. 203,095. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SLEEPER RADIO CORPORATION, New York, N. Y. Filed Sept. 26, 1924.

Audoflex

Particular description of goods.—Electric-Current Transformers Used in Radio Receiving Sets.
Claims use since about May 1, 1924.

Ser. No. 203,107. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BRINKMAN ENGINEERING COMPANY, Dayton, Ohio. Filed Sept. 27, 1924.



No claim is made to the representation of the goods apart from the mark as shown.
Particular description of goods.—Toy Telephones.
Claims use since Mar. 5, 1924.

Ser. No. 203,116. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Sept. 27, 1924.

Fuller

Particular description of goods.—Furniture Polish.
Claims use since about Mar. 12, 1924.

Ser. No. 203,168. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif. Filed Sept. 29, 1924.



The word "Special" is disclaimed except as used in connection with the accompanying drawing.
Particular description of goods.—Sheet Steel and Sheet Iron.
Claims use since May 30, 1924.

Ser. No. 203,177. (CLASS 39. CLOTHING.) HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Sept. 29, 1924.

Londonaire

Particular description of goods.—Men's Suits.
Claims use since Aug. 28, 1924.

Ser. No. 203,187. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LEON LAUTER, doing business as Lauter & Co., New York, N. Y. Filed Sept. 29, 1924.

LAURET

Particular description of goods.—Watches, Watch Movements and Parts Thereof, and Watchcases.
Claims use since on or about June 1, 1923.

Ser. No. 203,194. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PFANSTIEHL RADIO SERVICE COMPANY, Highland Park, Ill. Filed Sept. 29, 1924.

Pfanstiehl

Tune-Ra-Former

Particular description of goods.—Radiofrequency Transformers.
Claims use since Aug. 16, 1924.

Ser. No. 203,198. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Sept. 29, 1924.

Pioneer

Particular description of goods.—Composition Ready or Prepared Roofings, Building Papers, Insulating Papers, Flashing Compound, Lap Cement, Chip Board, Asphalt Roofing Compound; Asphalt Saturated and Coated Reinforcing Felt for Built-Up Roofings, Waterproof and Dampproof, Used in Connection with Building Constructions.

Claims use since about 1888.

Ser. No. 203,213. (CLASS 39. CLOTHING.) JACOBS & SACKS, New York, N. Y. Filed Sept. 29, 1924.

LEPAZEL

Particular description of goods.—Furs.
Claims use since Feb. 7, 1924.

Ser. No. 203,223. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RALPH B. CARTER COMPANY, New York, N. Y. Filed Sept. 30, 1924.



No rights are asserted to the exclusive use of the representation of a pump apart from the trade-mark as shown in the drawing. The lines shown in the drawing indicate shading and not any particular color scheme.

Particular description of goods.—Pumps of All Kinds and Parts Thereof, Internal-Combustion Engines, and Parts Thereof.

Claims use since May, 1923.

Ser. No. 203,228. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE COMPO ELECTRIC IRON COMPANY, Glen Ridge, N. J. Filed Sept. 30, 1924.

Brite-Spot

Particular description of goods.—Electrically-Heated Flatirons.

Claims use since Apr. 10, 1923.

Ser. No. 203,235. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GREEK NATIONAL OPERA RECORDS CO. INC., New York, N. Y. Filed Sept. 30, 1924.

ACROPOLIS

Particular description of goods.—Phonograph Records.
Claims use since Sept. 18, 1924.

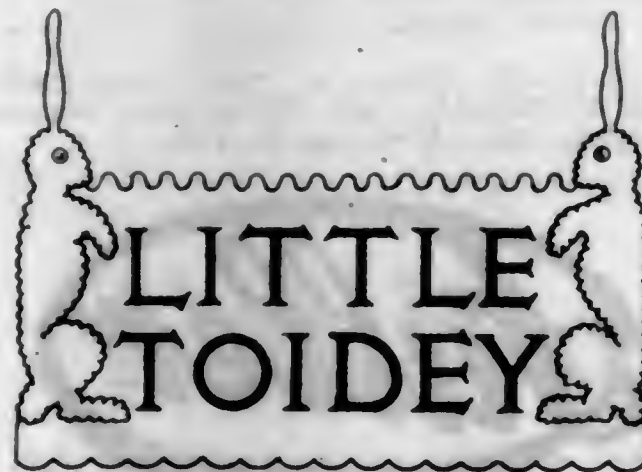
Ser. No. 203,243. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Sept. 30, 1924.

TOX TUNGATH

Particular description of goods.—Driers for Paints and Japan Driers.

Claims use since about June 20, 1911.

Ser. No. 203,248. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VAN ARNAM MANUFACTURING COMPANY, doing business as Juvenile Wood Products, Inc., Fort Wayne, Ind., assignors to Juvenile Wood Products, Inc., Fort Wayne, Ind., a Corporation of Indiana. Filed Sept. 30, 1924.



Particular description of goods.—Water-Closet Seats for Infants, Attachable to Ordinary Water-Closet Seats.
Claims use since June 17, 1924.

Ser. No. 203,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. HARVE BAKER, Portales, N. Mex. Filed Oct. 1, 1924.



The portrait appearing on the drawing is that of applicant. No claim is made to the exclusive use of the words "Footease" and "Trade Mark" apart from the mark shown in the drawing.

Particular description of goods.—Foot Powder.
Claims use since July 19, 1919.

Ser. No. 203,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRANSKY & HARRIS, doing business as The B & H Pharmacal Co., Norfolk, Va. Filed Oct. 1, 1924.



The words "Colds," "Coughs," "Chills," and "Fever" appearing in the drawing are hereby disclaimed.
Particular description of goods.—Medicines for Internal Use in the Treatment of Chills, Colds, Fevers, Etc.
Claims use since Aug. 1, 1924.

Ser. No. 203,256. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES HENRY COBB, doing business as The Western Hanger Company, San Francisco, Calif. Filed Oct. 1, 1924.

GIANT

Particular description of goods.—Heating-System Radiator Hangers.
Claims use since about August, 1923.

Ser. No. 203,274. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT HOFELER, doing business as Henderson Laboratories, Chicago, Ill. Filed Oct. 1, 1924.



Particular description of goods.—Medicinal Preparation for the Treatment of Thyroid Enlargement and Goiter.

Claims use since June 14, 1924.

Ser. No. 203,294. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OSCAR C. APPEL, Los Angeles, Calif. Filed Oct. 2, 1924.

OUT

The drawing is lined to indicate red.
Particular description of goods.—Cleaning Fluid.
Claims use since Sept. 4, 1924.

Ser. No. 203,302. (CLASS 39. CLOTHING.) DRIESEN, MEYER & ORONSKY, New York, N. Y. Filed Oct. 2, 1924.

BoYouth

Particular description of goods.—Men's and Boys' Outer Suits and Overcoats.
Claims use since Apr. 5, 1924.

Ser. No. 203,303. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt., and East Moline, Ill. Filed Oct. 2, 1924.

F

Particular description of goods.—Weights for Use with Weighing Machines, and in Particular Test Weights. Claims use since about August, 1911.

Ser. No. 203,309. (CLASS 39. CLOTHING.) GEARHART KNITTING MACHINE COMPANY, Clearfield, Pa. Filed Oct. 2, 1924.

Wooladdie

Particular description of goods.—Children's Sport Hose. Claims use since Aug. 5, 1924.

Ser. No. 203,310. (CLASS 39. CLOTHING.) GEARHART KNITTING MACHINE COMPANY, Clearfield, Pa. Filed Oct. 2, 1924.

Woolassie

Particular description of goods.—Children's Sport Hose. Claims use since Aug. 5, 1924.

Ser. No. 203,315. (CLASS 39. CLOTHING.) THE HOMAN-HUGHES COMPANY, Cincinnati, Ohio. Filed Oct. 2, 1924.



No claim is made to the word "Shoes" except in the form and association shown in the drawing.

Particular description of goods.—Ladies' Shoes, Slippers, and Boots.

Claims use since Oct. 1, 1923.

Ser. No. 203,343. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed Oct. 2, 1924.

SUN-GIRL

The lining on the drawing is for shading only. Particular description of goods.—Woolen Piece Goods. Claims use since Sept. 19, 1924.

Ser. No. 203,353. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED STATES RADIUM CORPORATION, New York, N. Y. Filed Oct. 2, 1924.



Particular description of goods.—House Numbers, Door Knobs, Door Knockers, Keyhole Plates, Screws, Nails, Tacks, Separable Heads for Nails and Screws, Pendants, and Luminous Markers. Claims use since Sept. 5, 1924.

Ser. No. 203,357. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILLSON GOGGLES, INC., Reading, Pa. Filed Oct. 2, 1924.

BVLL DOG

Particular description of goods.—Ophthalmic Mountings and Parts Thereof. Claims use since Sept. 27, 1924.

Ser. No. 203,374. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FRIEDMAN BROTHERS, Chicago, Ill. Filed Oct. 3, 1924.

**FBRIDAL
DOUQUET**

Particular description of goods.—Finger Rings of Precious Metal. Claims use since Jan. 1, 1924.

Ser. No. 203,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENTHERIC, INC., New York, N. Y. Filed Oct. 3, 1924.

**LA DAME
EN
NOIR**

Particular description of goods.—Toilet Preparations—viz. Perfume, Toilet Water, Face Powder, Talcum, Sachet, Compacts, Rouge, Face Cream, Brilliantine, and Hair Tonic.

Claims use since about 1910.

Ser. No. 203,379. (CLASS 39. CLOTHING.) LIPSON & ADELSON, New York, N. Y. Filed Oct. 3, 1924.



Particular description of goods.—Ladies' and Misses' Dresses.

Claims use since about Sept. 1, 1924.

Ser. No. 203,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. GUY MUNSSELL, doing business as Munsell's School of Health and as Munsell's Mineral Food Company, Lincoln, Nebr. Filed Oct. 3, 1924.



For the purpose of this registration only and without waiving any of its common-law rights or any of his rights to or under other trade-mark registrations applicant disclaims the words "Mineral Food" and "Trade Mark."

Particular description of goods.—Tonics for the Blood Stream, Cells, and Tissues.

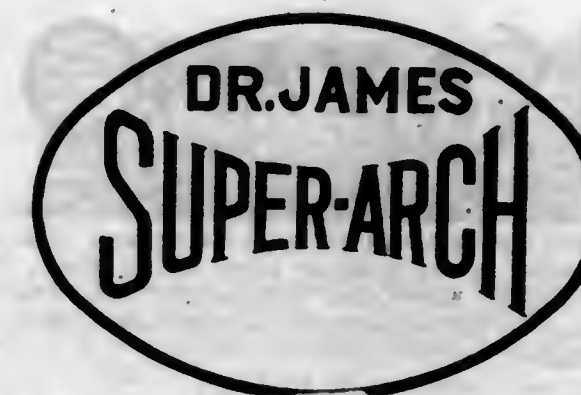
Claims use since about Mar. 15, 1922.

Ser. No. 203,405. (CLASS 39. CLOTHING.) FELD-MAN & WEINMAN, Baltimore, Md. Filed Oct. 4, 1924.



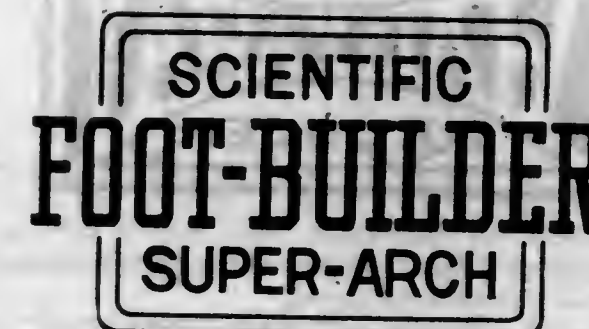
Particular description of goods.—Work Shirts. Claims use since June 1, 1921.

Ser. No. 203,416. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Oct. 4, 1924.



Particular description of goods.—Boots and Shoes of Leather. Claims use since Aug. 1, 1924.

Ser. No. 203,417. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Oct. 4, 1924.



Exclusive use of the word "Scientific" is disclaimed apart from the mark shown.

Particular description of goods.—Boots and Shoes of Leather.

Claims use since Aug. 1, 1924.

Ser. No. 203,418. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Oct. 4, 1924.



Exclusive use of the words "Supporting Arch Shoe" apart from the mark is disclaimed.

Particular description of goods.—Boots and Shoes of Leather.

Claims use since Aug. 1, 1924.

Ser. No. 203,419. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KATZ & OGUSH, INC., New York, N. Y. Filed Oct. 4, 1924.

KAYANO

Particular description of goods.—Platinum, Gold, and Silver and Combinations of These Metals and Other Precious Metals in the form of Bars, Sheets, Rolls, Wire, Blocks, and in Any Other Commercial form That the Same May be Made and Sold, and Platinum, Gold, and Silver Solder.

Claims use since Sept. 1, 1924.

Ser. No. 203,422. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LENORE K. LANDSBERGER, New York, N. Y. Filed Oct. 4, 1924.



No claim is made to the words "Girth" or "Reducer" apart from the mark as shown.

Particular description of goods.—Form-Fitting Garment Used as a Weight or Girth Reducer.

Claims use since Sept. 10, 1924.

Ser. No. 203,426. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL Co., Jersey City, N. J. Filed Oct. 4, 1924.

"SABATIAN FINISH"

No claim is made to the word "Finish" apart from the mark as shown on the drawing.

Particular description of goods.—Product of the Nature of a Size for Producing a Finish, for Giving Body and Hand, and for Use as a Filler for Silk, Wool, Cotton, and Other Fabrics.

Claims use since January, 1918.

Ser. No. 203,427. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL Co., Jersey City, N. J. Filed Oct. 4, 1924.

"JAPCERE"

Particular description of goods.—Product of the Nature of a Size for Producing a Finish, for Giving Body and Hand, and for Use as a Filler for Silk, Wool, Cotton, and Other Fabrics.

Claims use since July, 1924.

Ser. No. 203,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. O. EDGERTON, doing business as Martin Street Pharmacy, Raleigh, N. C. Filed Oct. 6, 1924.



Particular description of goods.—Liver Pills.

Claims use since Jan. 1, 1923.

Ser. No. 203,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY R. HULLEY, doing business as The Sunrise Health Salts Company, Bangor, Me. Filed Oct. 6, 1924.



No claim is made to the words "Health Salts" apart from the mark shown.

Particular description of goods.—Effervescent Salts to Act on the Stomach, Liver, and Kidneys for the Treatment of Acid and Sour Stomach, Gas in the Stomach, Heartburn, Bilioussness, Flatulency, Headache, Constipation, Etc.

Claims use since Sept. 9, 1924.

Ser. No. 203,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM F. LAWRENZ, doing business as Dento Products Co., Long Beach, Calif. Filed Oct. 6, 1924.

URANIA

Particular description of goods.—Tooth Paste, Tooth Powder, Preparation for Treating Skin Infections, and Mouth Wash.

Claims use since Aug. 15, 1924.

Ser. No. 203,482. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONARCH LEATHER COMPANY, Chicago, Ill. Filed Oct. 6, 1924.

EDINMOOR

Particular description of goods.—Leather.

Claims use since Sept. 22, 1922.

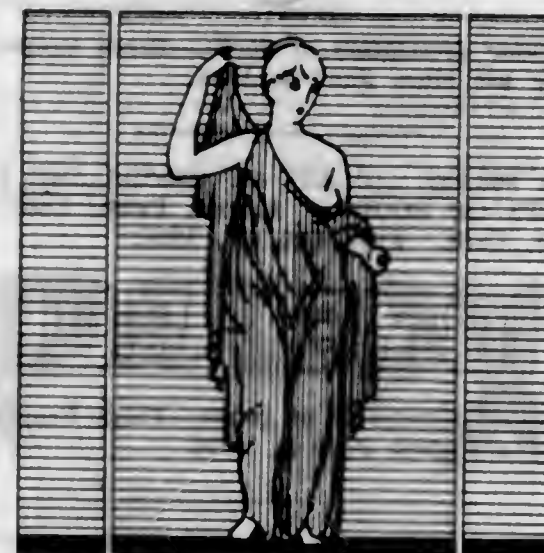
Ser. No. 203,490. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. F. STURDY'S SONS COMPANY, Attleboro Falls, Mass. Filed Oct. 6, 1924.

Flexpand

Particular description of goods.—Bracelets and Chains for Personal Adornment Which are Made of or Plated with Precious Metal.

Claims use since Mar. 1, 1924.

Ser. No. 203,510. (CLASS 39. CLOTHING.) CHENIET SOEURS, INC., New York, N. Y. Filed Oct. 7, 1924.



The drawing is lined merely for the purpose of shading and not to indicate color.

Particular description of goods.—Robes, Lingerie, Capes, and Blouses.

Claims use since Sept. 24, 1924.

Ser. No. 203,530. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MORLEY-MURPHY HARDWARE COMPANY, Green Bay, Wis. Filed Oct. 7, 1924.



No claim is made for the word "Lure" apart from the mark shown in the drawing.

Particular description of goods.—Fish Lines, Hooks, and Artificial Fish Lures.

Claims use since Nov. 12, 1920.

Ser. No. 203,559. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONSOLIDATED CHEMICAL WORKS, INC., New York, N. Y. Filed Oct. 8, 1924.

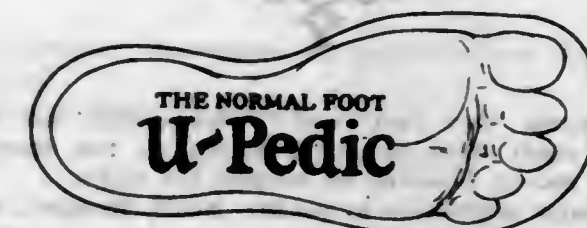


No claim is made to the words "Keeps Metals Bright" apart from the mark shown on the drawing.

Particular description of goods.—Preserving Liquid for Polishes on Metal.

Claims use since 1921.

Ser. No. 203,566. (CLASS 39. CLOTHING.) S. GOLDMAN'S SONS, Philadelphia, Pa. Filed Oct. 8, 1924.



Without waiving any right to common law applicant disclaims any attempt to cover in this registration the words "The Normal Foot" apart from the mark shown.

Particular description of goods.—Leather and Fabric Shoes.

Claims use since Sept. 5, 1924.

Ser. No. 203,570. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE HISYLVANIA COAL COMPANY, Columbus, Ohio. Filed Oct. 8, 1924.

HISYLVANIA

Particular description of goods.—Coal.

Claims use since 1901.

Ser. No. 203,596. (CLASS 39. CLOTHING.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

Medora

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Outer Skirts, and Hats.

Claims use since Aug. 8, 1924.

Ser. No. 203,679. (CLASS 39. CLOTHING.) THE HILL AND LOPE COMPANY, INCORPORATED, Danbury, Conn. Filed Oct. 10, 1924.



The words "Sun Fast" and "Fadeless Felt" are disclaimed apart from the mark shown on the drawing without waiver, however, of common-law right.

Particular description of goods.—Men's, Women's, and Children's Hats.

Claims use since on or about July 9, 1923.

Ser. No. 203,680. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOLLOW BALL COMPANY, INCORPORATED, Baltimore, Md. Filed Oct. 10, 1924.



Applicant disclaims any exclusive right to the word "Seamless" apart from the mark shown on the drawing.

Particular description of goods.—Metal Balls Used in Bearings.

Claims use since June 10, 1924.

Ser. No. 203,710. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE B. & B. LABORATORIES, Brooklyn, N. Y. Filed Oct. 11, 1924.

zoVos

Particular description of goods.—Metal Polish.
Claims use since Sept. 24, 1924.

Ser. No. 203,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRADLEY, SMITH CO., New Haven, Conn. Filed Oct. 11, 1924.

DARTS

Particular description of goods.—Candy—Namely, a Milk-Chocolate-Covered Roll Wrapped in Glassine with a Fudge Caramel-Peanut Center.

Claims use since March, 1922.

Ser. No. 203,726. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EXETER FRUIT ASSOCIATION, Exeter, Calif. Filed Oct. 11, 1924.

Alta-Boy

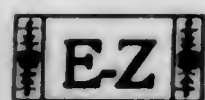
Particular description of goods.—Fresh Grapes.
Claims use since June 6, 1924.

Ser. No. 203,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EXETER FRUIT ASSOCIATION, Exeter, Calif. Filed Oct. 11, 1924.

HOME RUN

Particular description of goods.—Fresh Grapes.
Claims use since June 6, 1924.

Ser. No. 203,728. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY P. FLEMING, doing business as Fleming Chemical Co., Uniontown, Pa. Filed Oct. 11, 1924.



ROACH POWDER

No claim is made to the words "Roach Powder" apart from the mark shown.

Particular description of goods.—Roach and Insect Powder.

Claims use since Aug. 21, 1909.

Ser. No. 203,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed Oct. 11, 1924.

Dietpak

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since Sept. 2, 1924.

Ser. No. 203,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NUNALLY COMPANY, Atlanta, Ga. Filed Oct. 11, 1924.

"The Best Taste in Gifts"

Particular description of goods.—Candy.
Claims use since Oct. 1, 1924.

Ser. No. 203,748. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE REGINA CORPORATION, Rahway, N. J. Filed Oct. 11, 1924.

REGINA

Particular description of goods.—Saws.
Claims use since Aug. 1, 1924.

Ser. No. 203,754. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARRY SCHWARZSCHILD, doing business as Pedox Produx Company, New York, N. Y. Filed Oct. 11, 1924.

PEDOX

Particular description of goods.—Cleaners, Dressings, Creams, and Polishes for Footwear.
Claims use since about Oct. 1, 1924.

Ser. No. 203,799. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE FRUIT GROWERS ASSOCIATION, Eugene, Ore. Filed Oct. 13, 1924.

THREE SISTERS

Particular description of goods.—Canned Berries, Fruits, and Vegetables.
Claims use since 1895.

Ser. No. 203,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRANK TEA & SPICE CO., Cincinnati, Ohio. Filed Oct. 13, 1924.

SUNLONGS

Particular description of goods.—Dried Red Peppers.
Claims use since Aug. 1, 1924.

Ser. No. 203,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRANK TEA & SPICE CO., Cincinnati, Ohio. Filed Oct. 13, 1924.

SUNJAPS

Particular description of goods.—Dried Red Peppers.
Claims use since Aug. 1, 1924.

Ser. No. 203,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDREW MATTEI, Fresno, Calif. Filed Oct. 13, 1924.

MATTEVISTA

Particular description of goods.—Fresh and Dried Fruits.
Claims use since August, 1923.

Ser. No. 203,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. MERCK, Darmstadt, Germany. Filed Oct. 13, 1924.

Helminal

Particular description of goods.—Preparation Used as an Anthelmintic.
Claims use since January, 1922.

Ser. No. 203,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed Oct. 13, 1924.



MARQUISE

Particular description of goods.—Cuticle Removers, Nail White, and Nail Polish in Cake and Liquid Form.
Claims use since Aug. 1, 1924.

Ser. No. 203,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif. Filed Oct. 13, 1924.

SEARCHLIGHT

Particular description of goods.—Fresh Citrous Fruit—Namely, Oranges.
Claims use since 1898.

Ser. No. 203,883. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MANITOU MINERAL WATER COMPANY, Manitou, Colo. Filed Oct. 13, 1924. Under ten-year proviso.

GINGER CHAMPAGNE

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink. Now Universally Known on the Market as Ginger Champagne.
Claims use since Dec. 11, 1886.

Ser. No. 203,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

CLOUDLAND

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

BERRYDALE

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

VINEDALE

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

HIGHMOUNT

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

VALLEY MIST

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

MOUNTVALE

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 13, 1924.

SKYMOUNT

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,954. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROSS, H. JENKINS, Oakland, Calif. Filed Oct. 16, 1924.

Flush A Way

Particular description of goods.—Cleaning Composition.
Claims use since Jan. 3, 1924.

Ser. No. 203,955. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEFFREY JENNINGS, doing business as Allied Chemical Co., Pittsburgh, Pa. Filed Oct. 16, 1924.

"I'LL SAY!"

Particular description of goods.—Hair Tonic.
Claims use since Oct. 2, 1924.

Ser. No. 203,960. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT, INC., New York, N. Y. Filed Oct. 16, 1924.

LOFTYPOPS

Particular description of goods.—Candles.
Claims use since 1920.

Ser. No. 203,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH S. PHALEN, Minneapolis, Minn. Filed Oct. 16, 1924.

LITTLE NEMO

Particular description of goods.—Candy.
Claims use since on or about Sept. 18, 1924.

Ser. No. 204,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUCKWORTH & CO., Honolulu, Hawaii, and Los Angeles, Calif. Filed Oct. 17, 1924.

KULEANA

Particular description of goods.—Canned Fruit—Namely, Canned Pineapple.
Claims use since Jan. 1, 1924.

Ser. No. 204,097. (CLASS 12. CONSTRUCTION MATERIALS.) C. D. JOHNSON LUMBER COMPANY, Portland, Oreg. Filed Oct. 18, 1924.



Particular description of goods.—Lumber.
Claims use since July 15, 1924.

Ser. No. 204,098. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOHN JOHNS, Gloversville, N. Y. Filed Oct. 18, 1924.



Particular description of goods.—Leather Skins.
Claims use since Sept. 1, 1924.

329 O. G.—21

Ser. No. 204,128. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION GROCERY COMPANY, Vidalia, Ga. Filed Oct. 18, 1924.

Gold-Lily

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since 1921.

Ser. No. 204,129. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION GROCERY COMPANY, Vidalia, Ga. Filed Oct. 18, 1924.

SILVER SPOON

Particular description of goods.—Self-Rising Flour.
Claims use since 1921.

Ser. No. 204,132. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION GROCERY COMPANY, Vidalia, Ga. Filed Oct. 18, 1924.

OVERGOOD

Particular description of goods.—Self-Rising Flour.
Claims use since 1921.

Ser. No. 204,138. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ABRAHAM WINEBURGH, doing business as Unburnable Products Company, New York, N. Y. Filed Oct. 18, 1924.

EXO

Particular description of goods.—Cleaning Fluid.
Claims use since Oct. 7, 1924.

Ser. No. 204,153. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALTER W. BIDDICK, Los Angeles, Calif. Filed Oct. 20, 1924.

P-D-Q

Particular description of goods.—Valve-Grinding Compound.
Claims use since Jan. 1, 1924.

Ser. No. 204,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CITIZENS' WHOLESALE SUPPLY COMPANY, Columbus, Ohio. Filed Oct. 20, 1924.

PAN-BRAN (SELF-RISING)

No claim is made for the words "Bran" and "Self-Rising" apart from the mark shown.

Particular description of goods.—Prepared Pancake Flour Containing Bran and Whole-Wheat Flour in Proper Proportions, Together with Powdered Buttermilk, Leavening, and Seasoning.

Claims use since Oct. 4, 1924.

Ser. No. 204,180. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONARCH LEATHER COMPANY, Chicago, Ill. Filed Oct. 20, 1924.

THISTLE

Particular description of goods.—Leather.
Claims use since on or about Jan. 1, 1924.

Ser. No. 204,197. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NICHOLAS A. REVILLE, doing business as Majo Manufacturing Company, Chicago, Ill. Filed Oct. 20, 1924.

Mājo

Particular description of goods.—Varnish and Paint Remover.

Claims use since Oct. 10, 1924.

Ser. No. 204,202. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind. Filed Oct. 20, 1924.



No claim is made for "Hi-Grade Paint and Varnish Products" apart from the mark shown.

Particular description of goods.—Wood Filler, Enamels, Paints, and Varnishes.

Claims use since May 1, 1924.

Ser. No. 204,203. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SOLIDOL PRODUCTS CO., INC., New York, N. Y. Filed Oct. 20, 1924.



Particular description of goods.—Cleanser for Laundering Linen, Removing All Dirt, Grease, Ink Stains from Silk, Wool, Cotton, and Linen Clothes without Damaging the Goods or Altering the Dye, for Cleaning Automobiles, Furniture, Tiles, Metals, Jewels, Glasses, and Windshields.

Claims use since Apr. 15, 1924.

Ser. No. 204,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEMMIE L. HENRY, doing business as Hum Laboratories Co., Atlanta, Ga. Filed Oct. 21, 1924.

GASTRO-BAN

Particular description of goods.—Remedy for Indigestion, Sour, Weak, and Anemic Stomach.

Claims use since Feb. 1, 1924.

Ser. No. 204,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEABURY & JOHNSON, East Orange, N. J., and New York, N. Y. Filed Oct. 21, 1924.

GOLF-AID

Particular description of goods.—Adhesive Plasters.

Claims use since Sept. 19, 1924.

Ser. No. 204,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEABURY & JOHNSON, East Orange, N. J., and New York, N. Y. Filed Oct. 21, 1924.

SPORTS-AID

Particular description of goods.—Adhesive Plasters.

Claims use since Oct. 11, 1924.

Ser. No. 204,256. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE BELFLEX CORP., New York, N. Y. Filed Oct. 22, 1924.

BELFLEX

Particular description of goods.—Flexible Supporting Members for Parts of Automotive Vehicles and the Like, Particularly Pivot Shackles, Motor and Radiator Supports, Radius-Rod Anchors, Torque-Arm Mountings, and Steering and Brake Rod Connections.

Claims use since about November, 1920.

Ser. No. 204,298. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) L. BAMBERGER & COMPANY, Newark, N. J. Filed Oct. 23, 1924.



Particular description of goods.—Chinaware, Pottery, Crockery, Porcelains, and Combinations of the Same.

Claims use since about Sept. 1, 1924.

Ser. No. 204,325. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE PERRY COAL COMPANY, St. Louis, Mo. Filed Oct. 23, 1924.



Particular description of goods.—Coal.
Claims use since October, 1921.

Ser. No. 204,335. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Oct. 23, 1924.

TOXBRO

Particular description of goods.—Soluble Dyestuffs and Dye Intermediates.

Claims use since about July 1, 1905.

Ser. No. 204,357. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS F. EDWARDS, doing business as The Metropolitan Refining Company, New York, N. Y. Filed Oct. 24, 1924.

KILLRUST

Particular description of goods.—Chemical Composition for the Elimination and Prevention of Congestion, Corrosion, Discoloration, and Rust in Boilers, Furnaces, Pipes, and Other Metal Containers.

Claims use since about January, 1922.

Ser. No. 204,402. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IRELAND BROTHERS, Johnstown and New York, N. Y. Filed Oct. 25, 1924.



Particular description of goods.—Soap.
Claims use since about Mar. 1, 1924.

Ser. No. 204,428. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed Oct. 25, 1924.



Particular description of goods.—Bread.
Claims use since Mar. 4, 1921.

Ser. No. 204,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM E. SANDHAUS, doing business as The Sandy Ann Co., Kansas City, Mo. Filed Oct. 27, 1924.

SANDY ANN

Particular description of goods.—Chocolate Confection Used in Coating Ice Cream.

Claims use since Oct. 17, 1924.

Ser. No. 204,485. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUPERIOR PAINT CORP., Los Angeles, Calif. Filed Oct. 27, 1924.

SU-PE-RO

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Varnishes, Enamels, Dry Pigment, Lacquers, Lead in Oil, Linseed Oil, Turpentine, Varnish Stain, and Oil Stain.

Claims use since Apr. 1, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 9, 1924.

- 192,495. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,918. PUBLISHED SEPTEMBER 16, 1924.
- 192,496. CRÉPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed July 14, 1924. Serial No. 199,968. PUBLISHED SEPTEMBER 16, 1924.
- 192,497. CRÉPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed July 14, 1924. Serial No. 199,967. PUBLISHED SEPTEMBER 16, 1924.
- 192,498. CRÉPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed July 14, 1924. Serial No. 199,969. PUBLISHED SEPTEMBER 16, 1924.
- 192,499. NEWSPAPER SECTION. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed July 14, 1924. Serial No. 199,990. PUBLISHED SEPTEMBER 16, 1924.
- 192,500. PRINTING AND LITHOGRAPHING PAPER. NEW YORK & PENNSYLVANIA COMPANY, Castanea, Pa., and New York, N. Y.
Filed July 14, 1924. Serial No. 200,006. PUBLISHED SEPTEMBER 16, 1924.
- 192,501. PRINTING AND LITHOGRAPHING PAPER. NEW YORK & PENNSYLVANIA COMPANY, Castanea, Pa., and New York, N. Y.
Filed July 14, 1924. Serial No. 200,007. PUBLISHED SEPTEMBER 16, 1924.
- 192,502. PHOTOGRAPHS. WALGREEN CO., Chicago, Ill.
Filed July 14, 1924. Serial No. 200,024. PUBLISHED SEPTEMBER 16, 1924.
- 192,503. HOUSE ORGAN PUBLISHED MONTHLY. INCTO, INC., Wilmington, Del., and New York, N. Y.
Filed July 16, 1924. Serial No. 200,104. PUBLISHED SEPTEMBER 16, 1924.
- 192,504. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH—NAMESLY, OLIVES, SPINACH, HOMINY, CHERRIES, PINEAPPLE, APRICOTS, PEACHES, PEARS, KIDNEY BEANS, GREEN BEANS, WAX BEANS, PEAS, CORN, TOMATO PURÉE, TOMATOES, PORK AND BEANS, SALMON, DILL PICKLES, AND FOOD-FLAVORING EXTRACT—NAMESLY, VANILLA. FRANK C. WEBER & COMPANY, Chicago, Ill.
Filed July 16, 1924. Serial No. 200,129. PUBLISHED SEPTEMBER 23, 1924.
- 192,505. MONTHLY PERIODICALS. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass.
Filed July 19, 1924. Serial No. 200,251. PUBLISHED SEPTEMBER 16, 1924.
- 192,506. BOOKLETS OF INFORMATION FOR USE OF TOURISTS. PUBLISHED FROM TIME TO TIME. GENERAL ADVERTISING COMPANY, INC., Portland, Oreg.
Filed July 23, 1924. Serial No. 200,390. PUBLISHED SEPTEMBER 16, 1924.
- 192,507. BUMPER BARS. STEEL PRODUCTS CORPORATION, Sheboygan, Wis.
Filed July 25, 1924. Serial No. 200,532. PUBLISHED SEPTEMBER 23, 1924.
- 192,508. PERIODICAL PUBLISHED AT INTERVALS. ARTHUR JACOB, Chicago, Ill.
Filed July 31, 1924. Serial No. 200,764. PUBLISHED SEPTEMBER 16, 1924.
- 192,509. MAGAZINE PUBLISHED MONTHLY. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed August 1, 1924. Serial No. 200,824. PUBLISHED SEPTEMBER 16, 1924.
- 192,510. PERIODICAL PUBLICATION. CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE, New York, N. Y.
Filed August 2, 1924. Serial No. 200,849. PUBLISHED SEPTEMBER 16, 1924.
- 192,511. COAL. CENTRAL LUMBER & COAL COMPANY, Dubuque, Iowa.
Filed August 22, 1924. Serial No. 201,740. PUBLISHED SEPTEMBER 30, 1924.
- 192,512. TABLE AND BED LINENS, TOWELS, AND FURNITURE SETS. CAMPBELL, METZGER & JACOBSON, New York, N. Y.
Filed July 15, 1924. Serial No. 200,035. PUBLISHED SEPTEMBER 23, 1924.
- 192,513. HIGHLY-SENSITIZED PHOTOGRAPHIC PAPER TO BE USED IN MAKING DIRECT X-RAY EXPOSURES. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed July 10, 1924. Serial No. 199,867. PUBLISHED SEPTEMBER 23, 1924.
- 192,514. CORN FLOUR USED AS A DRY PASTE AND COREBINDER MATERIAL. KNEFLER BATES MFG. CO., Indianapolis, Ind.
Filed July 9, 1924. Serial No. 199,792. PUBLISHED SEPTEMBER 23, 1924.
- 192,515. SPEED AND PRESSURE REGULATORS, COMPRESSORS, PUMPS OTHER THAN STEAM PUMPS, AND PARTS OF SAID MECHANISMS. THE GARDNER GOVERNOR COMPANY, Quincy, Ill.
Filed July 9, 1924. Serial No. 199,781. PUBLISHED SEPTEMBER 23, 1924.
- 192,516. GOVERNORS, PUMPS, AND COMPRESSORS AND PARTS OF SAID MECHANISMS. THE GARDNER GOVERNOR COMPANY, Quincy, Ill.
Filed July 9, 1924. Serial No. 199,779. PUBLISHED SEPTEMBER 23, 1924.
- 192,517. TYPE METAL. IMPERIAL TYPE METAL CO., Philadelphia, Pa.
Filed July 8, 1924. Serial No. 199,752. PUBLISHED SEPTEMBER 23, 1924.
- 192,518. MALTED MILK SOLD IN CANNED FORM. HERMAN LAVITZ, doing business as Dr. Young's Food Company, Brooklyn, N. Y.
Filed July 3, 1924. Serial No. 199,558. PUBLISHED SEPTEMBER 23, 1924.
- 192,519. COCOA. HOLLANDSCHE CACAO-EN-CHOCOLADE-FABRIEKEN V/H BENSCHOP & CO., Amsterdam, Netherlands.
Filed July 1, 1924. Serial No. 199,426. PUBLISHED SEPTEMBER 23, 1924.
- 192,520. CERTAIN FOOT CORRECTIVE APPLIANCES AND PARTS THEREOF. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,258. PUBLISHED SEPTEMBER 23, 1924.

DECEMBER 9, 1924

U. S. PATENT OFFICE.

313

- 192,521. CERTAIN FOOT CORRECTIVE APPLIANCES. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,257. PUBLISHED SEPTEMBER 23, 1924.
- 192,522. CANNED FISH. THE JOS. GARNEAU CO., INC., New York, N. Y.
Filed June 26, 1924. Serial No. 199,160. PUBLISHED SEPTEMBER 23, 1924.
- 192,523. CHEWING GUM. WM. WRIGLEY, JR. COMPANY, Chicago, Ill.
Filed June 11, 1924. Serial No. 198,437. PUBLISHED SEPTEMBER 23, 1924.
- 192,524. CERTAIN DENTAL SUPPLIES. I. STERN & CO., New York, N. Y.
Filed June 3, 1924. Serial No. 198,037. PUBLISHED SEPTEMBER 23, 1924.
- 192,525. GLASS FRUIT JARS. CORNING GLASS WORKS, Corning, N. Y.
Filed June 3, 1924. Serial No. 197,993. PUBLISHED SEPTEMBER 23, 1924.
- 192,526. SODA FOUNTAINS AND EQUIPMENT THEREFOR. ECONOMY FOUNTAIN COMPANY, Birmingham, Ala.
Filed May 23, 1924. Serial No. 197,471. PUBLISHED SEPTEMBER 23, 1924.
- 192,527. FRESH CITROUS FRUITS. AUBURNDALE CITRUS GROWERS ASSOCIATION, Auburndale, Fla.
Filed May 9, 1924. Serial No. 196,786. PUBLISHED SEPTEMBER 23, 1924.
- 192,528. FLAT PAINT FOR INTERIOR. EGAN AND HAUSMAN COMPANY, INC., New York, N. Y.
Filed May 8, 1924. Serial No. 196,733. PUBLISHED SEPTEMBER 23, 1924.
- 192,529. PREPARATION FOR THE EXTERMINATION OF ECTOPARASITES ON MEN, ANIMALS, AND PLANTS. E. MERCK, Darmstadt, Germany.
Filed May 6, 1924. Serial No. 196,668. PUBLISHED SEPTEMBER 23, 1924.
- 192,530. CHIROPRACTIC MACHINES. RITTENHOUSE & SWEETLAND, San Diego, Calif.
Filed May 3, 1924. Serial No. 196,545. PUBLISHED SEPTEMBER 23, 1924.
- 192,531. CHIROPRACTIC MACHINES. RITTENHOUSE & SWEETLAND, San Diego, Calif.
Filed May 3, 1924. Serial No. 196,544. PUBLISHED SEPTEMBER 23, 1924.
- 192,532. ARTIFICIAL-SILK THREAD AND YARNS. NAAMLOOZE VENNOOTSCHAP HOLLANDSCHE KUNSTZIJDE INDUSTRIE, Emer, Breda, Netherlands.
Filed April 11, 1924. Serial No. 195,409. PUBLISHED AUGUST 26, 1924.
- 192,533. LADIES' HATS. THE PALACE HAT CO., INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,445. PUBLISHED SEPTEMBER 2, 1924.
- 192,534. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF TWO OR MORE OF THESE SUBSTANCES. EDWARD PENTON AND SON, London, England.
Filed May 21, 1924. Serial No. 197,390. PUBLISHED SEPTEMBER 2, 1924.
- 192,535. INFANTS' AND CHILDREN'S SHOES OF LEATHER, CANVAS, RUBBER, AND COMBINATIONS THEREOF. GLASER SHOE COMPANY, San Francisco, Calif.
Filed May 20, 1924. Serial No. 197,329. PUBLISHED SEPTEMBER 16, 1924.
- 192,536. CONCENTRATED BARLEY-MALT EXTRACT IN SIRUP FORM FOR FOOD PURPOSES. LOUIS TRUSCHER, JR., St. Louis, Mo.
Filed May 19, 1924. Serial No. 197,304. PUBLISHED SEPTEMBER 23, 1924.
- 192,537. WOMEN'S HATS. THE PIKE RICHMOND CO., Cleveland, Ohio.
Filed May 19, 1924. Serial No. 197,290. PUBLISHED SEPTEMBER 2, 1924.
- 192,538. PADS MANUFACTURED FROM RUBBER OR RUBBER COMPOSITION FOR APPLICATION TO BOOTS AND SHOES. BLAKEY'S BOOT PROTECTORS, LIMITED, Leeds, England.
Filed May 12, 1924. Serial No. 196,900. PUBLISHED SEPTEMBER 2, 1924.
- 192,539. LEATHER SHOES. P. W. MINOR & SON INC., Batavia, N. Y.
Filed May 8, 1924. Serial No. 196,751. PUBLISHED SEPTEMBER 2, 1924.
- 192,540. MEDICINE FOR DISEASES OF THE NERVOUS SYSTEM. SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa.
Filed May 7, 1924. Serial No. 196,716. PUBLISHED SEPTEMBER 23, 1924.
- 192,541. LADIES' HAT LININGS. S. COHN CO., New York, N. Y.
Filed May 6, 1924. Serial No. 196,647. PUBLISHED SEPTEMBER 16, 1924.
- 192,542. GARTERS, SUPPORTERS, SUSPENDERS, AND RIBBON AND WEBBING WRISTBANDS. HARRY BARNOWITZ, doing business as Honeymoon Specialty Co., Brooklyn, N. Y.
Filed May 2, 1924. Serial No. 196,424. PUBLISHED SEPTEMBER 16, 1924.
- 192,543. BOOTS, SHOES, SLIPPERS, LEGGINGS, AND GAITERS MADE OF LEATHER, FABRIC, RUBBER, AND CANVAS. CROCKETT & JONES, Northampton, England.
Filed April 29, 1924. Serial No. 196,295. PUBLISHED SEPTEMBER 2, 1924.
- 192,544. LIQUID POLISHES FOR FLOORS, FURNITURE, WOODWORK, AUTOMOBILES, AND LINOLEUM. ALFRED OBERLE, Oak Park, Ill.
Filed April 28, 1924. Serial No. 196,256. PUBLISHED SEPTEMBER 23, 1924.
- 192,545. BOOTS AND SHOES OF LEATHER. HUGHES & TANSEY, INC., Boston, Mass.
Filed April 25, 1924. Serial No. 196,117. PUBLISHED SEPTEMBER 2, 1924.
- 192,546. HATS AND CAPS FOR MEN. WILLIAM POLL, Brooklyn, N. Y.
Filed April 17, 1924. Serial No. 195,715. PUBLISHED SEPTEMBER 2, 1924.
- 192,547. LEATHER SHOES. THE STONE SHOE COMPANY, Cleveland, Ohio.
Filed April 14, 1924. Serial No. 195,548. PUBLISHED SEPTEMBER 16, 1924.
- 192,548. PAINT ENAMELS, BODY COLORS, PRIMERS, VARNISH, SURFACERS, CLEAR, AND PUTTY. FLINT VARNISH & COLOR WORKS, Flint, Mich.
Filed April 21, 1924. Serial No. 195,878. PUBLISHED SEPTEMBER 23, 1924.
- 192,549. GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, AND GARNET LAC. ANGELO BROS. LIMITED, Calcutta, British India.
Filed April 16, 1924. Serial No. 195,615. PUBLISHED SEPTEMBER 23, 1924.
- 192,550. POLISH FOR AUTOMOBILES AND FURNITURE. PERFECTION SHINE POLISH CO., Du Quoin, Ill.
Filed April 15, 1924. Serial No. 195,596. PUBLISHED SEPTEMBER 23, 1924.
- 192,551. ABDOMINAL BANDS AS AN ARTICLE OF WEARING APPAREL. BROMLEY SHEPARD CO., INC., Lowell, Mass.
Filed April 2, 1924. Serial No. 194,848. PUBLISHED AUGUST 12, 1924.

- 192,552. BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THE SAME, FOR LADIES, GENTLEMEN, BOYS, YOUTHS, MISSES, CHILDREN, AND INFANTS. CAMMEYER, New York, N. Y.
Filed April 3, 1924. Serial No. 194,907. PUBLISHED SEPTEMBER 16, 1924.
- 192,553. WOMEN'S HATS. C. T. PIDGEON MILLINERY Co., Fort Wayne, Ind.
Filed May 24, 1924. Serial No. 197,558. PUBLISHED SEPTEMBER 2, 1924.
- 192,554. CHILDREN'S SHOES OF LEATHER, FABRIC, AND RUBBER AND COMBINATIONS THEREOF. THE H. W. MERRIAM SHOE COMPANY, Newton, N. J.
Filed May 26, 1924. Serial No. 197,613. PUBLISHED SEPTEMBER 16, 1924.
- 192,555. SODA-MINT GRANULES, A MEDICINAL PREPARATION FOR INDIGESTION, HEARTBURN, SICK HEADACHE, ACIDITY, FLATULENCE, AND NAUSEA. EUGENE S. PRICE, doing business as B. & M. Laboratories, Newark, N. J.
Filed May 26, 1924. Serial No. 197,619. PUBLISHED SEPTEMBER 23, 1924.
- 192,556. SEWED AND WOVEN STRAW HATS FOR MEN, WOMEN, AND CHILDREN. ACCOR PANAMA Hat Co., New York, N. Y.
Filed May 29, 1924. Serial No. 197,791. PUBLISHED SEPTEMBER 2, 1924.
- 192,557. RUBBER HEELS. H. JACOB & SONS, INC., Brooklyn, N. Y.
Filed May 29, 1924. Serial No. 197,816. PUBLISHED SEPTEMBER 2, 1924.
- 192,558. GARTERS. ABRAHAM M. MALOUF, New York, N. Y.
Filed May 29, 1924. Serial No. 197,825. PUBLISHED SEPTEMBER 2, 1924.
- 192,559. CAPS FOR MEN AND BOYS. PORTIS BROS. Hat Co., Chicago, Ill.
Filed May 31, 1924. Serial No. 197,903. PUBLISHED SEPTEMBER 16, 1924.
- 192,560. ICE CREAM, BUTTER, MILK, CHEESE. HUBACH'S PRODUCTS CO., Tiffin, Ohio.
Filed June 2, 1924. Serial No. 197,936. PUBLISHED SEPTEMBER 23, 1924.
- 192,561. CHILDREN'S AND BOYS' AND GIRLS' SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS. R. H. MACY & CO., INC., New York, N. Y.
Filed June 2, 1924. Serial No. 197,948. PUBLISHED SEPTEMBER 16, 1924.
- 192,562. COCOA MATS. PHILLIP B. PAUL, New York, N. Y.
Filed June 9, 1924. Serial No. 198,323. PUBLISHED AUGUST 12, 1924.
- 192,563. SHOES MADE OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. SOBREL BROS., New York, N. Y.
Filed June 9, 1924. Serial No. 198,330. PUBLISHED SEPTEMBER 16, 1924.
- 192,564. SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS OF LEATHER AND FABRIC. SOBREL BROS., New York, N. Y.
Filed June 9, 1924. Serial No. 198,331. PUBLISHED SEPTEMBER 16, 1924.
- 192,565. MEN'S STRAW HATS. BLUM & KOCH, INC., New York, N. Y.
Filed June 11, 1924. Serial No. 198,395. PUBLISHED SEPTEMBER 16, 1924.
- 192,566. LADIES' BONNETS, HATS, CAPS, AND HAT FRAMES, FABRIC GLOVES, HOSIERY, COATS, OUTER SKIRTS, DRESSES, AND ONE, TWO, AND THREE PIECE TEXTILE-FABRIC UNDERWEAR FOR WOMEN AND CHILDREN, CORSETS, AND CORSET WAISTS. KATHLEEN A. COURTNEY, Fairmont, W. Va.
Filed June 13, 1924. Serial No. 198,507. PUBLISHED SEPTEMBER 16, 1924.
- 192,567. WOMEN'S SPORT WEAR, PARTICULARLY HATS, COATS, JACKETS, JUMPERS, SWEATERS, VESTS, AND OUTER SKIRTS. TROTTEUR HAT CO., New York, N. Y.
Filed June 13, 1924. Serial No. 198,545. PUBLISHED SEPTEMBER 16, 1924.
- 192,568. CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN. U-PROFIT CAP MANUFACTURING CO. INC., New York, N. Y.
Filed June 13, 1924. Serial No. 198,547. PUBLISHED SEPTEMBER 16, 1924.
- 192,569. HATS FOR WOMEN. ABE N. ADELSON, New York, N. Y.
Filed June 14, 1924. Serial No. 198,552. PUBLISHED SEPTEMBER 16, 1924.
- 192,570. LEATHER SHOES AND BOOTS. THE STETSON SHOP, Pittsburgh, Pa.
Filed June 14, 1924. Serial No. 198,593. PUBLISHED SEPTEMBER 16, 1924.
- 192,571. CORSETS. S. S. KRESGE COMPANY, Detroit, Mich.
Filed June 16, 1924. Serial No. 198,646. PUBLISHED SEPTEMBER 9, 1924.
- 192,572. BRASSIERES. BELFIT BRASSIERE CO., INC., Brooklyn, N. Y.
Filed June 20, 1924. Serial No. 198,834. PUBLISHED SEPTEMBER 9, 1924.
- 192,573. PADS MANUFACTURED FROM RUBBER OR RUBBER COMPOSITION FOR APPLICATION TO BOOTS AND SHOES. BLAKLEY'S BOOT PROTECTORS, LIMITED, Leeds, England.
Filed April 1, 1924. Serial No. 194,778. PUBLISHED SEPTEMBER 2, 1924.
- 192,574. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. TEMKO-BASS SHOE CO., INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,756. PUBLISHED SEPTEMBER 16, 1924.
- 192,575. SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. TEMKO-BASS SHOE CO., INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,754. PUBLISHED SEPTEMBER 2, 1924.
- 192,576. HEELS, TIPS, SOLES, AND PADS FOR BOOTS AND SHOES, ALL MADE OF INDIA RUBBER. I. T. S. RUBBER COMPANY LTD., London, England.
Filed March 20, 1924. Serial No. 194,668. PUBLISHED SEPTEMBER 16, 1924.
- 192,577. CERTAIN FOODS AND INGREDIENTS THEREOF. ROYAL BLUE STORES, INC., Chicago, Ill.
Filed March 26, 1924. Serial No. 194,487. PUBLISHED SEPTEMBER 23, 1924.
- 192,578. PICKLES, VINEGAR, PREPARED MUSTARD, PEPPER SAUCE, OLIVES, PRESERVED FIGS, AND CONDIMENTS—VIZ, SWEET RELISH. ADAM BROTHERS COMPANY, Houston, Tex.
Filed March 21, 1924. Serial No. 194,149. PUBLISHED SEPTEMBER 23, 1924.
- 192,579. DATES. FRÉJUS VINATIE, Paris, France.
Filed March 10, 1924. Serial No. 193,558. PUBLISHED SEPTEMBER 16, 1924.

- 192,580. BRASSIERES AND CORSETS WITH DIAPHRAGM-CONTROL-DEVICE ATTACHMENT. FRANCHBURT, INC., New York, N. Y.
Filed March 4, 1924. Serial No. 193,221. PUBLISHED SEPTEMBER 16, 1924.
- 192,581. FACE CREAMS, FACE POWDERS, FACE AND HAND LOTIONS, AND HAND CREAMS. LOUIS E. HASELHUTN, Detroit, Mich.
Filed February 4, 1924. Serial No. 191,768. PUBLISHED SEPTEMBER 23, 1924.
- 192,582. TIES, CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y.
Filed January 12, 1924. Serial No. 190,724. PUBLISHED SEPTEMBER 16, 1924.
- 192,583. FACE POWDER AND TALCUM POWDER. KATHLEEN E. MACAULAY, New York, N. Y.
Filed January 10, 1924. Serial No. 190,644. PUBLISHED SEPTEMBER 23, 1924.
- 192,584. CARPET LINING CONSISTING OF SEVERAL LAYERS OF HAIR FELT PRESSED TOGETHER WITH A LAYER OF BURLAP BETWEEN. GREATER NEW YORK EXPORT HOUSE, INC., New York, N. Y.
Filed January 8, 1924. Serial No. 190,542. PUBLISHED SEPTEMBER 2, 1924.
- 192,585. BOOTS, SHOES, AND SLIPPERS OF LEATHER AND FABRIC. W. B. COON CO., Rochester, N. Y.
Filed November 20, 1923. Serial No. 188,586. PUBLISHED SEPTEMBER 2, 1924.
- 192,586. DRUGS—NAMELY, COUGH DROPS. CENTRAL DRUG CO., Milwaukee, Wis.
Filed October 5, 1923. Serial No. 186,586. PUBLISHED SEPTEMBER 23, 1924.
- 192,587. PYORRHEA MEDICINE AND PREVENTIVE AND DENTIFRICE. MARDORN CHEMICAL CORPORATION, New York, N. Y.
Filed September 8, 1923. Serial No. 185,527. PUBLISHED SEPTEMBER 23, 1924.
- 192,588. MOUTH WASH, GARGLE, AND SPRAY FOR THE NOSE AND THROAT. MARDORN CHEMICAL CORPORATION, New York, N. Y.
Filed September 8, 1923. Serial No. 185,526. PUBLISHED SEPTEMBER 23, 1924.
- 192,589. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF FABRIC, LEATHER, AND FABRIC AND LEATHER. W. C. SMITH GLOVE CO. INC., Gloversville, N. Y.
Filed July 6, 1923. Serial No. 182,863. PUBLISHED SEPTEMBER 16, 1924.
- 192,590. PHARMACEUTICAL PREPARATION INTENDED AS A LOCAL APPLICATION FOR BURNS, BRUISES, AND SPRAINS. CHARLTON GRAHAM JOHNSON, Columbus, Ga.
Filed December 16, 1922. Serial No. 173,425. PUBLISHED SEPTEMBER 23, 1924.
- 192,591. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS AND SHOES MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF. JULIENNE PLUMOT ET CIE, Paris, France.
Filed April 6, 1923. Serial No. 178,669. PUBLISHED SEPTEMBER 16, 1924.
- 192,592. HEELS AND SOLES FOR BOOTS AND SHOES MADE OF RUBBER AND OF RUBBER COMBINED WITH FIBROUS MATERIAL. UNITED RUBBER AND LEATHER COMPANY, Boston, Mass.
Filed November 2, 1923. Serial No. 187,888. PUBLISHED SEPTEMBER 16, 1924.
- 192,593. BLOTTERING PAPER AND COATED BLANKS. GREAT LAKES PAPER COMPANY, Chicago, Ill.
Filed May 29, 1924. Serial No. 197,809. PUBLISHED SEPTEMBER 2, 1924.
- 192,594. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed May 31, 1924. Serial No. 197,598. PUBLISHED SEPTEMBER 16, 1924.
- 192,595. COAL AND OIL COOKING RANGES AND STOVES. SWINNEY BROTHERS, LIMITED, Morpeth, England.
Filed June 11, 1924. Serial No. 198,428. PUBLISHED SEPTEMBER 23, 1924.
- 192,596. MEN'S AND BOYS' HATS. GEORGE B. BURNETT & SON, New York, N. Y.
Filed June 20, 1924. Serial No. 198,841. PUBLISHED SEPTEMBER 9, 1924.
- 192,597. OIL CANS. BECK MANUFACTURING CO., Sioux City, Iowa.
Filed June 23, 1924. Serial No. 198,981. PUBLISHED SEPTEMBER 23, 1924.
- 192,598. CORSETS. INTERNATIONAL CORSET COMPANY, Aurora, Ill.
Filed June 23, 1924. Serial No. 199,005. PUBLISHED SEPTEMBER 9, 1924.
- 192,599. CORSETS AND BRASSIERE CORSETS. STROUSE, ADLER & CO., New Haven, Conn.
Filed June 26, 1924. Serial No. 199,194. PUBLISHED SEPTEMBER 9, 1924.
- 192,600. WELTING FOR BOOTS AND SHOES. BARBOUR WELTING COMPANY, Montello Station, Brockton, Mass.
Filed June 27, 1924. Serial No. 199,206. PUBLISHED SEPTEMBER 9, 1924.
- 192,601. COMPOSITION OF MATTER FOR APPLICATION TO SURFACES OF PHONOGRAPH RECORDS TO REDUCE OBJECTIONABLE NOISES. WILLIAM W. CROCKER, Salina, Kans.
Filed June 27, 1924. Serial No. 199,219. PUBLISHED SEPTEMBER 23, 1924.
- 192,602. HEADACHE POWDERS. ALBERT JACOBSON, doing business as Alson Chemical Company, New York, N. Y.
Filed June 27, 1924. Serial No. 199,226. PUBLISHED SEPTEMBER 23, 1924.
- 192,603. MILLINERY—VIZ, LADIES' HATS. ROSA KINSBERGEN, doing business as Mme. Reiss, New York, N. Y.
Filed June 27, 1924. Serial No. 199,230. PUBLISHED SEPTEMBER 9, 1924.
- 192,604. LEATHER GLOVES. NATIONAL ASSOCIATION OF LEATHER GLOVE AND MITTEN MANUFACTURERS, Utica, N. Y.
Filed June 28, 1924. Serial No. 199,291. PUBLISHED SEPTEMBER 9, 1924.
- 192,605. LEATHER GLOVES. NATIONAL ASSOCIATION OF LEATHER GLOVE AND MITTEN MANUFACTURERS, Utica, N. Y.
Filed June 28, 1924. Serial No. 199,292. PUBLISHED SEPTEMBER 9, 1924.
- 192,606. HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed June 30, 1924. Serial No. 199,369. PUBLISHED SEPTEMBER 9, 1924.
- 192,607. HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed June 30, 1924. Serial No. 199,372. PUBLISHED SEPTEMBER 9, 1924.
- 192,608. HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed June 30, 1924. Serial No. 199,376. PUBLISHED SEPTEMBER 9, 1924.
- 192,609. DISINFECTANT. EMIL C. HANSEN, doing business as Sanivac Company, Portland, Me.
Filed July 3, 1924. Serial No. 199,554. PUBLISHED SEPTEMBER 23, 1924.

192,610. CHEMICAL COMPOUND RECOMMENDED FOR CLEANING, POLISHING, LUBRICATING, CUTTING, GRINDING, STAMPING, DRAWING, STRIPPING, ANTIRUSTING, AND NEUTRALIZING. OAKLEY CHEMICAL COMPANY, New York, N. Y. Filed August 7, 1924. Serial No. 201,069. PUBLISHED SEPTEMBER 23, 1924.

192,611. CHEMICAL COMPOUND RECOMMENDED FOR CLEANING, POLISHING, LUBRICATING, CUTTING, GRINDING, STAMPING, DRAWING, STRIPPING, ANTIRUSTING, AND NEUTRALIZING. OAKLEY CHEMICAL COMPANY, New York, N. Y. Filed August 7, 1924. Serial No. 201,070. PUBLISHED SEPTEMBER 23, 1924.

192,612. POWER CULTIVATORS AND POWER LAWN MOWERS OPERATED BY GASOLINE. M. B. M. MANUFACTURING CO., Milwaukee, Wis. Filed August 9, 1924. Serial No. 201,201. PUBLISHED SEPTEMBER 23, 1924.

192,613. CANNED CLAMS. JAMES F. CHASE, East Machias, Me. Filed August 9, 1924. Serial No. 201,178. PUBLISHED SEPTEMBER 23, 1924.

192,614. WATER BOTTLES, FOUNTAIN SYRINGES, ICE CUPS, RUBBER RUBLS FOR USE ON SYRINGES AND DOUCHES. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed August 7, 1924. Serial No. 201,113. PUBLISHED SEPTEMBER 23, 1924.

192,615. THREAD OF ALL KINDS. KARPELES COMPANY, Providence, R. I. Filed August 5, 1924. Serial No. 200,990. PUBLISHED SEPTEMBER 23, 1924.

192,616. FRESH APPLES. GRAVENSTEIN APPLE GROWERS CO-OPERATIVE ASSN. OF SONOMA COUNTY, Sebastopol, Calif. Filed August 5, 1924. Serial No. 200,988. PUBLISHED SEPTEMBER 23, 1924.

192,617. COFFEE. BERNARDO ANGEL, New York, N. Y. Filed August 4, 1924. Serial No. 200,921. PUBLISHED SEPTEMBER 23, 1924.

192,618. CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, FRUIT PRESERVES, JAMS, AND JELLIES. STARR FRUIT PRODUCTS CO., Portland, Ore. Filed August 2, 1924. Serial No. 200,906. PUBLISHED SEPTEMBER 23, 1924.

192,619. FRESH PEARS. GALLAGHER FRUIT COMPANY, Alviso, Calif. Filed August 2, 1924. Serial No. 200,880. PUBLISHED SEPTEMBER 23, 1924.

192,620. PHOTOGRAPHIC SENSITIZED MATERIALS, PARTICULARLY PLATES. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed August 1, 1924. Serial No. 200,810. PUBLISHED SEPTEMBER 23, 1924.

192,621. AIR PUMPS. MICHAEL B. HOLSTEIN, Richland, Pa. Filed July 24, 1924. Serial No. 200,445. PUBLISHED SEPTEMBER 23, 1924.

192,622. SPEEDOMETER-SHAFT HANGERS. WILLIAM X. BRUNS, doing business as The Speedometer Man, Chicago, Ill. Filed July 24, 1924. Serial No. 200,429. PUBLISHED SEPTEMBER 23, 1924.

192,623. SASH HOLDERS OR FASTENERS. FRANK KRIEHN, doing business as Hart Sash Holder Co., Lexington, Mo. Filed July 18, 1924. Serial No. 200,203. PUBLISHED SEPTEMBER 23, 1924.

192,624. SILK PIECE GOODS. ANNIN & CO., New York, N. Y. Filed July 16, 1924. Serial No. 200,085. PUBLISHED SEPTEMBER 23, 1924.

192,625. WOOLEN PIECE GOODS. STRONG, HEWAT & Co. Inc., New York, N. Y. Filed July 15, 1924. Serial No. 200,065. PUBLISHED SEPTEMBER 23, 1924.

192,626. WOOLEN PIECE GOODS. STRONG, HEWAT & Co. Inc., New York, N. Y. Filed July 15, 1924. Serial No. 200,064. PUBLISHED SEPTEMBER 23, 1924.

192,627. WOOLEN PIECE GOODS. STRONG, HEWAT & Co. Inc., New York, N. Y. Filed July 15, 1924. Serial No. 200,063. PUBLISHED SEPTEMBER 23, 1924.

192,628. WOOLEN PIECE GOODS. STRONG, HEWAT & Co. Inc., New York, N. Y. Filed July 15, 1924. Serial No. 200,062. PUBLISHED SEPTEMBER 23, 1924.

192,629. WOOLEN PIECE GOODS. STRONG, HEWAT & Co. Inc., New York, N. Y. Filed July 15, 1924. Serial No. 200,061. PUBLISHED SEPTEMBER 23, 1924.

192,630. SALTED AND ROASTED PISTACHIO NUTS. TAMER K. MALOUF, doing business as T. K. Malouf & Co., New York, N. Y. Filed July 15, 1924. Serial No. 200,053. PUBLISHED SEPTEMBER 23, 1924.

192,631. TOMATOES, REFUGEE GREEN BEANS, PEAS, SWEET CORN, WAX BEANS, PEARS, PEACHES, SALMON, ALL OF WHICH ARE CANNED, AND COFFEE. JOANNES BROS. CO., Green Bay, Wis. Filed July 15, 1924. Serial No. 200,046. PUBLISHED SEPTEMBER 16, 1924.

192,632. MAGAZINE PENCILS. ATLANTIC MANUFACTURING COMPANY, now by change of name Scripto Manufacturing Company, Atlanta, Ga. Filed June 12, 1924. Serial No. 198,443. PUBLISHED SEPTEMBER 2, 1924.

192,633. LEATHER BOOTS AND SHOES. HOLLAND SHOE CO., Holland, Mich. Filed June 13, 1924. Serial No. 198,522. PUBLISHED SEPTEMBER 23, 1924.

192,634. KNIT GLOVES. THE BALLSTON KNIT GLOVE COMPANY, Ballston and Ballston Spa, N. Y. Filed June 16, 1924. Serial No. 198,610. PUBLISHED SEPTEMBER 23, 1924.

192,635. CORSETS. LA RESISTA CORSET CO., Bridgeport, Conn. Filed June 17, 1924. Serial No. 198,714. PUBLISHED SEPTEMBER 23, 1924.

192,636. APRONS. COMFY APRON CO., Woodhaven, N. Y. Filed June 21, 1924. Serial No. 198,935. PUBLISHED SEPTEMBER 23, 1924.

192,637. POLISH FOR ALUMINUM. EDWARD R. BERTHAM, doing business as Lumo Glo Mfg. Co., Pueblo, Colo. Filed June 28, 1924. Serial No. 199,274. PUBLISHED SEPTEMBER 9, 1924.

192,638. FOUNTAIN PENS AND PENCILS. GEORGE ZAIN, doing business as Crocker Pen Mfg. Company, Boston, Mass. Filed June 25, 1924. Serial No. 199,139. PUBLISHED SEPTEMBER 2, 1924.

192,639. CLEANER—NAMELY, SOAP, METAL POLISH, AND STRAW AND PANAMA CLEANER. MIKE N. TERPINAS, doing business as Terpinas Chemical Company, Frankfort, Ind. Filed June 30, 1924. Serial No. 199,404. PUBLISHED SEPTEMBER 9, 1924.

192,640. MEMORANDUM BOOKS. ARTHUR C. YOUNG, San Francisco, Calif. Filed June 30, 1924. Serial No. 199,412. PUBLISHED SEPTEMBER 2, 1924.

192,641. YEAST. MIDBORO PRODUCTS CORPORATION, New York, N. Y. Filed July 2, 1924. Serial No. 199,481. PUBLISHED SEPTEMBER 23, 1924.

192,642. PAPER PENCILS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed July 5, 1924. Serial No. 199,595. PUBLISHED SEPTEMBER 9, 1924.

192,643. DUSTLESS CHALK. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed July 5, 1924. Serial No. 199,596. PUBLISHED SEPTEMBER 9, 1924.

192,644. DUSTLESS CHALK. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed July 5, 1924. Serial No. 199,597. PUBLISHED SEPTEMBER 9, 1924.

192,645. WRITING PENS OF ALL KINDS. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed July 9, 1924. Serial No. 199,777. PUBLISHED SEPTEMBER 9, 1924.

192,646. AUTOMOBILES AND PARTS THEREOF. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS PANHARD & LEVASSOR, Paris, France. Filed July 9, 1924. Serial No. 199,808. PUBLISHED SEPTEMBER 23, 1924.

192,647. MONTHLY MAGAZINE. NEW METROPOLITAN FICTION, INC., New York, N. Y. Filed July 10, 1924. Serial No. 199,847. PUBLISHED SEPTEMBER 16, 1924.

192,648. WRITING AND PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed July 11, 1924. Serial No. 199,890. PUBLISHED SEPTEMBER 16, 1924.

192,649. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,008. PUBLISHED SEPTEMBER 30, 1924.

192,650. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,009. PUBLISHED SEPTEMBER 30, 1924.

192,651. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,010. PUBLISHED SEPTEMBER 30, 1924.

192,652. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,011. PUBLISHED SEPTEMBER 30, 1924.

192,653. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,012. PUBLISHED SEPTEMBER 30, 1924.

192,654. CLEANING POWDER FOR CLEANING CARPETS AND RUGS. SUNSET CARPET CLEANING & STORAGE CORPORATION, New York, N. Y. Filed June 17, 1924. Serial No. 198,725. PUBLISHED SEPTEMBER 9, 1924.

192,655. COOKIES, CAKES, CRACKERS, AND BISCUITS. PAUL SCHULZE BISCUIT CO., Chicago, Ill. Filed July 5, 1924. Serial No. 199,649. PUBLISHED SEPTEMBER 30, 1924.

192,656. HAND SOAP. HUTTNER-NELSON & CO., Chicago, Ill. Filed July 7, 1924. Serial No. 199,701. PUBLISHED SEPTEMBER 9, 1924.

192,657. SHOE DRESSING. J. L. PRESCOTT COMPANY, New York, N. Y. Filed July 9, 1924. Serial No. 199,801. PUBLISHED SEPTEMBER 9, 1924.

192,658. COMPOUND FOR BRAKE LINING. GRANT WHITTLESLEY, doing business as Braxold Co., Buffalo, N. Y. Filed July 9, 1924. Serial No. 199,815. PUBLISHED SEPTEMBER 9, 1924.

192,659. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,007. PUBLISHED SEPTEMBER 30, 1924.

192,660. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,006. PUBLISHED SEPTEMBER 30, 1924.

192,661. FUDGE CANDY. ANDREW OLSEN Jr., doing business as Golden Nugget Sweets, San Francisco, Calif. Filed November 21, 1922. Serial No. 172,344. PUBLISHED SEPTEMBER 30, 1924.

192,662. SHOE POLISH. PERCIVAL L. ROOKLEDGE, Livingston, Calif. Filed January 25, 1923. Serial No. 175,108. PUBLISHED SEPTEMBER 9, 1924.

192,663. PRINTED BOOKS OF A SERIES. THEATRE GUILD, INC., New York, N. Y. Filed May 11, 1923. Serial No. 180,509. PUBLISHED SEPTEMBER 9, 1924.

192,664. FRESH APPLES AND PEARS. CASHMERE SKOOKUM GROWERS, Cashmere, Wash. Filed March 17, 1924. Serial No. 193,897. PUBLISHED SEPTEMBER 30, 1924.

192,665. PAPER NAPKINS, PAPER TOWELS, PAPER WRAPPERS, FOR DELICATESSEN LUNCHES, AND TOILET PAPER. HARRY N. GOLDSMITH, Philadelphia, Pa. Filed April 7, 1924. Serial No. 195,103. PUBLISHED SEPTEMBER 16, 1924.

192,666. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,002. PUBLISHED SEPTEMBER 30, 1924.

192,667. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,003. PUBLISHED SEPTEMBER 30, 1924.

192,668. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,004. PUBLISHED SEPTEMBER 30, 1924.

192,669. FUDGE. BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924. Serial No. 197,005. PUBLISHED SEPTEMBER 30, 1924.

192,670. LIQUID CLEANING FLUID. DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,709. PUBLISHED SEPTEMBER 9, 1924.

192,671. GLUE PAPER. PANGBORN CORPORATION, Hagerstown, Md. Filed May 20, 1924. Serial No. 197,340. PUBLISHED SEPTEMBER 16, 1924.

192,672. ANNOUNCEMENT AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass. Filed May 7, 1924. Serial No. 196,722. PUBLISHED SEPTEMBER 2, 1924.

192,673. PREPARATIONS FOR CLEANING, SHINING, AND POLISHING SHOES AND ALL LEATHER ARTICLES. THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed April 26, 1924. Serial No. 196,171. PUBLISHED SEPTEMBER 9, 1924.

192,674. GAS-PRODUCING PLANTS. JULIUS PINTSCH AKTIENGESELLSCHAFT, Berlin, Germany. Filed April 15, 1924. Serial No. 195,597. PUBLISHED SEPTEMBER 23, 1924.

192,675. STATIONERY—NAMELY, CORRESPONDENCE PAPER AND ENVELOPES. JAMES A. HEARN & SON INC., New York, N. Y. Filed April 10, 1924. Serial No. 195,287. PUBLISHED SEPTEMBER 2, 1924.

192,676. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER GLOVES. V. PERRIN & CIE., Grenoble, France, and New York, N. Y. Filed April 3, 1924. Serial No. 194,943. PUBLISHED SEPTEMBER 23, 1924.

192,677. CLEANSERS FOR PAINTED, ENAMELED, AND LACQUERED SURFACES. JOHN LANE, doing business as Magle Wypoff Manufacturing Company, Detroit, Mich. Filed March 28, 1924. Serial No. 194,605. PUBLISHED SEPTEMBER 9, 1924.

192,678. CANNED VEGETABLES, CANNED FRUITS, SUGAR, RICE, WHEAT FLOUR, OATMEAL, HOMINY, DRIED BEANS, MACARONI, CORN MEAL, BUTTER, CRACKERS, CAKES, CHEESE, SPICES, TEA, COFFEE, COCOA, CHOCOLATE, NUTS IN THEIR NATURAL STATE, CANDY, DRIED RAISINS, DRIED CURRANTS, CANNED FIGS, DATES, CITRON, TABLE SIRUP, PEPPER, LARD, AND CHILI PEPPERS. THE HANLIN SUPPLY COMPANY, Newton, Kans.
Filed March 19, 1924. Serial No. 194,061. PUBLISHED SEPTEMBER 23, 1924.

192,679. MEN'S AND BOYS' CLOTH CAPS. BOB CAP CO., doing business as Nobby Cap Company, St. Louis, Mo.
Filed February 23, 1924. Serial No. 192,670. PUBLISHED SEPTEMBER 23, 1924.

192,680. ALIMENTARY PASTES. KANSAS CITY MACARONI & IMPORTING CO., Kansas City, Mo.
Filed February 21, 1924. Serial No. 192,623. PUBLISHED SEPTEMBER 23, 1924.

192,681. RUBBER SHEETING, WATERPROOF MATERIALS IN THE PIECE OF RUBBER-IMPREGNATED KNITTED AND TEXTILE FABRICS, RUBBER AND FELT RUGS, AND FELT. CHS. LAVY & CO., Hamburg, Germany.
Filed February 1, 1924. Serial No. 191,632. PUBLISHED SEPTEMBER 23, 1924.

192,682. RUBBER SHEETING, WATERPROOF MATERIALS IN THE PIECE OF RUBBER, ETC. CHS. LAVY & CO., Hamburg, Germany.
Filed January 26, 1924. Serial No. 191,327. PUBLISHED SEPTEMBER 23, 1924.

192,683. MANILA WRAPPING PAPER. ATLAS PAPER COMPANY, San Francisco, Calif.
Filed December 13, 1923. Serial No. 189,604. PUBLISHED SEPTEMBER 2, 1924.

192,684. TOILET PAPER. CAPITAL PAPER COMPANY, Indianapolis, Ind.
Filed December 10, 1923. Serial No. 189,447. PUBLISHED FEBRUARY 5, 1924.

192,685. RIBBON MADE OF SILK AND COTTON ON REELS OR IN BOLTS. I. FLEISCHER & SONS, Cincinnati, Ohio.
Filed July 12, 1923. Serial No. 183,103. PUBLISHED SEPTEMBER 9, 1924.

192,686. CHOCOLATES PACKED IN BOXES OR OTHER CONTAINERS. BUNTE BROTHERS, Chicago, Ill.
Filed June 25, 1923. Serial No. 182,398. PUBLISHED SEPTEMBER 16, 1924.

192,687. DRY KILNS. THE HUNTER DRY KILN COMPANY, Indianapolis, Ind.
Filed January 31, 1923. Serial No. 175,354. PUBLISHED JULY 17, 1923.

192,688. NUTS AND FRUITS. SUNSET NUT SHELLING COMPANY, San Francisco, Calif.
Filed December 9, 1919. Serial No. 125,762. PUBLISHED SEPTEMBER 30, 1924.

192,689. INCOME-TAX AND BUSINESS RECORDS. KEYSTONE BUSINESS SERVICE CO. INC., Scranton, Pa.
Filed August 28, 1923. Serial No. 185,082. PUBLISHED SEPTEMBER 16, 1924.

192,690. SILK PIECE GOODS AND SILK AND COTTON PIECE GOODS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed August 12, 1924. Serial No. 201,306. PUBLISHED SEPTEMBER 23, 1924.

192,691. SILK, COTTON, AND SILK AND COTTON PIECE GOODS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed August 12, 1924. Serial No. 201,303. PUBLISHED SEPTEMBER 23, 1924.

192,692. BROAD SILK. A. S. ROSENTHAL CO. INC., New York, N. Y.
Filed August 9, 1924. Serial No. 201,210. PUBLISHED SEPTEMBER 23, 1924.

192,693. FIBER RUGS. DELTON GRASS RUG COMPANY, Oshkosh, Wis.
Filed August 9, 1924. Serial No. 201,183. PUBLISHED SEPTEMBER 23, 1924.

192,694. COTTON PIECE GOODS. THE E. V. BENJAMIN COMPANY, INC., doing business as Magnolia Cotton Mills, New Orleans, La.
Filed August 5, 1924. Serial No. 200,977. PUBLISHED SEPTEMBER 23, 1924.

192,695. CERTAIN NAMED THREADS OR YARNS. D. E. ADAMS COMPANY, INC., New York, N. Y.
Filed July 23, 1924. Serial No. 200,376. PUBLISHED SEPTEMBER 23, 1924.

192,696. PISTON RINGS. NO-LEAK-O PISTON RING COMPANY, Muskegon, Mich.
Filed July 17, 1924. Serial No. 200,151. PUBLISHED SEPTEMBER 23, 1924.

192,697. PIECE GOODS OF WOOL, COTTON, AND SILK AND MIXTURES OF THE SAME. SOCIÉTÉ RODIER, Paris, France.
Filed July 16, 1924. Serial No. 200,124. PUBLISHED SEPTEMBER 23, 1924.

192,698. WOOLEN PIECE GOODS. STRONG, HEWAT & CO. INC., New York, N. Y.
Filed July 15, 1924. Serial No. 200,059. PUBLISHED SEPTEMBER 23, 1924.

192,699. CORK GASKETS. MCCORD RADIATOR & MFG. CO., Detroit, Mich.
Filed July 12, 1924. Serial No. 199,949. PUBLISHED SEPTEMBER 23, 1924.

192,700. GLASS FRUIT JARS. SCHRAM GLASS MANUFACTURING CO., St. Louis, Mo., and Hillsboro, Ill.
Filed July 12, 1924. Serial No. 199,953. PUBLISHED SEPTEMBER 23, 1924.

192,701. MECHANICAL RUBBER GOODS—NAMELY, FLOORING TILES, BORDERS AND RUNNERS, WAINSCOTING, SANITARY BASES, STAIR TREADS, WALL COVERINGS, INDIVIDUAL FLOOR MATS, TABLE AND DESK TOPS, DRAIN MATS, SHOWER-BATH MATS, AND INTERIOR DECORATIVE UNITS FORMED OF INLAID FIGURES, PICTURES, OR DESIGNS. STEEDMAN PRODUCTS COMPANY, South Braintree, Mass.
Filed July 9, 1924. Serial No. 199,810. PUBLISHED SEPTEMBER 23, 1924.

192,702. MECHANICAL RUBBER GOODS—NAMELY, FLOORING TILES, BORDERS AND RUNNERS, WAINSCOTING, SANITARY BASES, STAIR TREADS, WALL COVERINGS, INDIVIDUAL FLOOR MATS, TABLE AND DESK TOPS, DRAIN MATS, SHOWER-BATH MATS, AND INTERIOR DECORATIVE UNITS FORMED OF INLAID FIGURES, PICTURES, OR DESIGNS. STEEDMAN PRODUCTS COMPANY, South Braintree, Mass.
Filed July 9, 1924. Serial No. 199,809. PUBLISHED SEPTEMBER 23, 1924.

192,703. SILK PIECE GOODS. ANNIN & CO., New York, N. Y.
Filed July 9, 1924. Serial No. 199,770. PUBLISHED SEPTEMBER 23, 1924.

192,704. LUMBER. BRAGMANS BLUFF LUMBER COMPANY, INC., New Orleans, La.
Filed July 8, 1924. Serial No. 199,742. PUBLISHED SEPTEMBER 23, 1924.

192,705. MONUMENTS AND SLABS OF ALL KINDS AND SPECIMENS OF STONE, GRANITE, AND MARBLE USED FOR MONUMENTS AND TOMBSTONES. S. HASKEL & SONS, INC., Brooklyn, N. Y.
Filed July 5, 1924. Serial No. 199,618. PUBLISHED SEPTEMBER 23, 1924.

192,706. MINERAL-SURFACED ASPHALT SHINGLES AND MINERAL-SURFACED ASPHALT ROOFING. THE FLINTKOTE COMPANY, Boston, Mass.
Filed June 23, 1924. Serial No. 198,999. PUBLISHED SEPTEMBER 23, 1924.

192,707. WOMEN'S UNDERGARMENTS MADE OF KNITTED ARTIFICIAL SILK, AND HOSIERY. ROSENTHAL, LEWIS & RITTER, New York, N. Y.
Filed June 4, 1924. Serial No. 198,088. PUBLISHED SEPTEMBER 23, 1924.

192,708. CANNED SALMON. HENRY J. BARBEY, doing business as Barbey Packing Co., Warrenton, Oreg.
Filed June 3, 1924. Serial No. 197,983. PUBLISHED SEPTEMBER 23, 1924.

192,709. FLANNELETTE WEAR—VIZ, CHILDREN'S ROMPERS, CREEPERS, PYJAMAS, SLEEPING GARMENTS, AND DRESSES—AND WASH SUITS IN ONE AND TWO PIECE GARMENTS. SHOSTAK NOVELTY CO. INC., New York, N. Y.
Filed May 28, 1924. Serial No. 197,784. PUBLISHED SEPTEMBER 23, 1924.

192,710. LADIES', MEN'S, AND CHILDREN'S HOSIERY. DAVID JACOBS CORPORATION, New York, N. Y.
Filed May 26, 1924. Serial No. 197,600. PUBLISHED SEPTEMBER 23, 1924.

192,711. LADIES' FINE SHOES CONSISTING OF BOOTS, SLIPPERS, LOW CUTS, AND SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. THE STANLEY DUTTENHOFER SHOE COMPANY, Cincinnati, Ohio.
Filed May 22, 1924. Serial No. 197,457. PUBLISHED SEPTEMBER 16, 1924.

192,712. MEN'S READY-MADE SUITS AND OVERCOATS. LOUIS SHAPIRO & CO., INC., New York, N. Y.
Filed May 8, 1924. Serial No. 196,768. PUBLISHED SEPTEMBER 23, 1924.

192,713. HOSIERY. A. V. VICTORIOUS & CO., New York, N. Y.
Filed April 25, 1924. Serial No. 196,143. PUBLISHED SEPTEMBER 23, 1924.

192,714. TWINE. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed June 23, 1924. Serial No. 199,024. PUBLISHED SEPTEMBER 2, 1924.

192,715. CANDY. GEORGE D. CARAMEROS, El Paso, Tex.
Filed June 21, 1924. Serial No. 198,933. PUBLISHED SEPTEMBER 30, 1924.

192,716. TITLE OF A MONTHLY PUBLICATION. ARMSTRONG-KILBOURNE, INC., Minneapolis, Minn.
Filed June 9, 1924. Serial No. 198,280. PUBLISHED SEPTEMBER 9, 1924.

192,717. CANDY. GEORGE D. CARAMEROS, El Paso, Tex.
Filed June 21, 1924. Serial No. 198,932. PUBLISHED SEPTEMBER 30, 1924.

192,718. PREPARED FOOD COMPOSED OF DRIED MILK, CEREALS, AND OTHER INGREDIENTS READY FOR USE WHEN MIXED WITH MILK, WATER, OR OTHER LIQUID. EUSTACE MILES FOODS (1921) LIMITED, London, England.
Filed June 9, 1924. Serial No. 198,322. PUBLISHED SEPTEMBER 30, 1924.

192,719. FOOD PRODUCTS—NAMELY, CEREAL BREAKFAST FOODS. MATTHEW J. GINTER, Minneapolis, Minn.
Filed June 7, 1924. Serial No. 198,232. PUBLISHED SEPTEMBER 30, 1924.

192,720. CLEANSER FOR CLEANING SILVERWARE, WOODWORK, AND THE LIKE. CLEAN-ALL MANUFACTURING COMPANY, Syracuse, N. Y.
Filed June 3, 1924. Serial No. 197,992. PUBLISHED SEPTEMBER 23, 1924.

192,721. SOFT-WHEAT SHORT PATENT PLAIN FLOUR. ROYAL MILLING COMPANY, Nashville, Tenn.
Filed June 2, 1924. Serial No. 197,962. PUBLISHED SEPTEMBER 30, 1924.

192,722. FANCY DURUM FLOUR. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak.
Filed May 20, 1924. Serial No. 197,338. PUBLISHED SEPTEMBER 30, 1924.

192,723. FRESH MILK AND CREAM. PURITAN DAIRY, INC., Perth Amboy, N. J.
Filed May 16, 1924. Serial No. 197,169. PUBLISHED SEPTEMBER 30, 1924.

192,724. EXTRACT FROM PLANT SUBSTANCES CONTAINING VITAMINES, ORGANO-METALLIC SALTS, AND FLAVORINGS FOR USE AS AN INGREDIENT IN FOOD. EUSTACE HAMILTON MILES, London, England.
Filed May 15, 1924. Serial No. 197,104. PUBLISHED SEPTEMBER 30, 1924.

192,725. SEMOLINA, A DURUM-WHEAT PRODUCT. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak.
Filed April 15, 1924. Serial No. 195,593. PUBLISHED SEPTEMBER 30, 1924.

192,726. RADIO RECEIVING SETS AND PARTS THEREFOR. ANDREWS RADIO COMPANY, Chicago, Ill.
Filed April 10, 1924. Serial No. 195,254. PUBLISHED JUNE 17, 1924.

192,727. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed April 8, 1924. Serial No. 195,192. PUBLISHED SEPTEMBER 9, 1924.

192,728. OLIVE OIL. JAMES P. SMITH & COMPANY, New York, N. Y.
Filed April 5, 1924. Serial No. 195,081. PUBLISHED SEPTEMBER 30, 1924.

192,729. FRESH GRAPES. KEYSTONE COOPERATIVE GRAPE ASSOCIATION, North East, Pa.
Filed April 4, 1924. Serial No. 195,005. PUBLISHED SEPTEMBER 30, 1924.

192,730. CAPERS, MUSHROOMS, CANNED PEAS, ALIMENTARY PASTES AND TRUFFLES. JAMES P. SMITH & COMPANY, New York, N. Y.
Filed April 3, 1924. Serial No. 194,957. PUBLISHED SEPTEMBER 30, 1924.

192,731. RUBBER TUBING. METROPOLITAN DEVICE CORPORATION, Brooklyn, N. Y.
Filed March 13, 1924. Serial No. 193,721. PUBLISHED MAY 20, 1924.

192,732. LIVE CHICKS, LIVE CHICKENS, EGGS, AND HATCHING EGGS. JOHN A. KREIS, doing business as Riverside Poultry Farm, Knoxville, Tenn.
Filed March 15, 1924. Serial No. 193,840. PUBLISHED SEPTEMBER 30, 1924.

192,733. EVAPORATED MILK, CANNED VEGETABLES, AND WHEAT FLOUR. THE GREAT AMERICAN STORES CO., Chicago, Ill.
Filed March 17, 1924. Serial No. 193,919. PUBLISHED SEPTEMBER 30, 1924.

192,734. CEREAL BREAKFAST FOOD AND PANCAKE FLOUR. ALBERT M. HOLTON, doing business as Nu-Life Food Co., Minneapolis, Minn.
Filed March 11, 1922. Serial No. 160,550. PUBLISHED SEPTEMBER 30, 1924.

192,735. OLIVE OIL. H. D. CAPRIATA, New York, N. Y.
Filed Oct. 2, 1922. Serial No. 170,179. PUBLISHED SEPTEMBER 30, 1924.

192,736. PRINTED BOOKS OF A SERIES. THE THEATRE GUILD, INC., New York, N. Y.
Filed October 30, 1922. Serial No. 171,393. PUBLISHED SEPTEMBER 9, 1924.

- 192,737. SOAP. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed April 2, 1923. Serial No. 178,446. PUBLISHED SEPTEMBER 23, 1924.
- 192,738. METAL AND GLASS POLISH. C. & C. COMPANY, Everett, Mass.
Filed April 12, 1923. Serial No. 179,026. PUBLISHED SEPTEMBER 23, 1924.
- 192,739. SOAP COMPOUNDS. THE HOOSIER MANUFACTURING CO., Indianapolis, Ind.
Filed April 19, 1923. Serial No. 179,371. PUBLISHED JUNE 12, 1923.
- 192,740. DAILY NEWS LETTER. A. NEWTON PLUMMER CORPORATION, New York, N. Y.
Filed April 24, 1923. Serial No. 179,622. PUBLISHED SEPTEMBER 9, 1924.
- 192,741. UNDERSTOCKINGS, SPATS, AND HOSIERY. GOTHAM SILK HOSIERY CO. INC., New York, N. Y.
Filed April 28, 1923. Serial No. 179,863. PUBLISHED SEPTEMBER 2, 1924.
- 192,742. WEEKLY NEWSPAPER. PLUMMER PUBLICATIONS, INC., New York, N. Y.
Filed May 26, 1923. Serial No. 181,219. PUBLISHED OCTOBER 7, 1924.
- 192,743. BREAD. DANIEL P. WOOLLEY, New York, N. Y.
Filed May 29, 1923. Serial No. 181,366. PUBLISHED SEPTEMBER 30, 1924.
- 192,744. EDIBLE OILS—NAMES, TECHNICAL WHITE OIL. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed June 26, 1923. Serial No. 182,487. PUBLISHED OCTOBER 30, 1923.
- 192,745. PUBLICATIONS—NAMES, MAGAZINES. ADA E. PORTER, doing business as Business Publications Co., New York, N. Y.
Filed August 2, 1923. Serial No. 183,990. PUBLISHED SEPTEMBER 9, 1924.
- 192,746. SOAP. THE PIONEER PRODUCTS CO., Dayton, Ohio.
Filed August 27, 1923. Serial No. 185,034. PUBLISHED NOVEMBER 13, 1923.
- 192,747. EDIBLE OILS—NAMES, TECHNICAL WHITE OIL. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed September 4, 1923. Serial No. 185,321. PUBLISHED DECEMBER 25, 1923.
- 192,748. WHEAT FLOUR. THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y.
Filed September 6, 1923. Serial No. 185,383. PUBLISHED SEPTEMBER 30, 1924.
- 192,749. CLEANER AND POLISHER FOR WOOD, METAL OR CLOTH. FRED DANIELS, Wichita, Kans.
Filed September 10, 1923. Serial No. 185,569. PUBLISHED AUGUST 26, 1924.
- 192,750. ORANGES IN THEIR NATURAL STATE. HELEN S. SPEICH, as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif.
Filed December 5, 1923. Serial No. 189,277. PUBLISHED SEPTEMBER 30, 1924.
- 192,751. CANDY BOXES. FRANCIS F. HAMILTON, doing business as Hamilton Manufacturing Company, Indianapolis, Ind.
Filed January 14, 1924. Serial No. 190,783. PUBLISHED JUNE 17, 1924.
- 192,752. FRUIT FLAVORS FOR MAKING FOOD PRODUCTS EXCLUSIVE OF BEVERAGES. THE FRUITFROST CORPORATION, New York, N. Y.
Filed January 30, 1924. Serial No. 191,480. PUBLISHED SEPTEMBER 30, 1924.
- 192,753. MONTHLY MAGAZINE. HARDWARE DEALERS MAGAZINE, INC., New York, N. Y.
Filed March 8, 1924. Serial No. 193,459. PUBLISHED SEPTEMBER 9, 1924.
- 192,754. CLEANERS, DRESSINGS, PRESERVATIVES, AND WATERPROOFING FOR FABRICS, LEATHERS, AND OTHER MATERIALS. WATERPROOFING, INCORPORATED, Indianapolis, Ind.
Filed August 1, 1924. Serial No. 200,837. PUBLISHED SEPTEMBER 23, 1924.
- 192,755. PREPARATION FOR REMOVING TAR, POLISHING FENDERS, SPLASHBOARDS, LAMPS, AND ALL HARD FINISHES. J. F. WOODS & CO., Shippensburg, Pa.
Filed July 30, 1924. Serial No. 200,737. PUBLISHED SEPTEMBER 23, 1924.
- 192,756. CLEANING LIQUID FOR WOODWORK, NICKEL AND GLASSWARE. DAN-GO MANUFACTURING CO., Boston, Mass.
Filed July 30, 1924. Serial No. 200,713. PUBLISHED SEPTEMBER 23, 1924.
- 192,757. CORDS MADE OF FIBROUS MATERIAL. H. F. WALLISER COMPANY, Chicago, Ill.
Filed July 26, 1924. Serial No. 200,592. PUBLISHED SEPTEMBER 23, 1924.
- 192,758. TOILET SOAP AND SHAVING CREAM. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed July 25, 1924. Serial No. 200,471. PUBLISHED SEPTEMBER 23, 1924.
- 192,759. TRIPOLI FLOUR USED AS A BUFFING OR POLISHING MATERIAL. WASHING POWDER, TRIPOLI FLOUR USED IN LAUNDRY COMPOSITIONS, SOAPS. AMERICAN TRIPOLI COMPANY, Seneca, Mo.
Filed July 18, 1924. Serial No. 200,172. PUBLISHED SEPTEMBER 9, 1924.
- 192,760. DRILLING CABLE AND TRANSMISSION ROPE. AJAX ROPE COMPANY, INC., New York, N. Y.
Filed July 18, 1924. Serial No. 200,168. PUBLISHED SEPTEMBER 2, 1924.
- 192,761. MANILA AND SISAL ROPE. AJAX ROPE COMPANY, INC., New York, N. Y.
Filed July 18, 1924. Serial No. 200,167. PUBLISHED SEPTEMBER 2, 1924.
- 192,762. TWINE. MORICE TWINE MILLS CORPORATION, New York, N. Y.
Filed July 16, 1924. Serial No. 200,112. PUBLISHED SEPTEMBER 2, 1924.
- 192,763. SALAD DRESSING. C. G. MEAKER CO., INC., Auburn, N. Y.
Filed July 15, 1924. Serial No. 200,055. PUBLISHED SEPTEMBER 30, 1924.
- 192,764. FERMENTS MADE OF GASTRIC JUICE USED AS A RENNET IN CHEESE MAKING. J. SPOHR, doing business as Industria Chimica Lugano J. Spohr, Pregassona, Switzerland.
Filed July 12, 1924. Serial No. 199,955. PUBLISHED SEPTEMBER 30, 1924.
- 192,765. MONTHLY MAGAZINE. KARLE-SPALDING COMPANY, Mount Morris and Chicago, Ill.
Filed July 3, 1924. Serial No. 199,556. PUBLISHED SEPTEMBER 9, 1924.
- 192,766. DRY CLEANER'S SOAP. THE DRY-CLE-RO SOAP CO., Canton, Ohio.
Filed July 3, 1924. Serial No. 199,542. PUBLISHED SEPTEMBER 9, 1924.
- 192,767. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,536. PUBLISHED SEPTEMBER 30, 1924.
- 192,768. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,531. PUBLISHED SEPTEMBER 30, 1924.

- 192,769. RAZOR STROPS. KOKEN COMPANIES, St. Louis, Mo.
Filed June 30, 1924. Serial No. 199,363. PUBLISHED SEPTEMBER 2, 1924.
- 192,770. RAZOR STROPS. KOKEN COMPANIES, St. Louis, Mo.
Filed June 30, 1924. Serial No. 199,362. PUBLISHED SEPTEMBER 2, 1924.
- 192,771. SECTION OF A PERIODICAL PUBLICATION USUALLY PUBLISHED BIMONTHLY. EDGAR H. FELIX, New York, N. Y.
Filed June 28, 1924. Serial No. 199,280. PUBLISHED SEPTEMBER 9, 1924.
- 192,772. SOAPS. GUERLAIN PERFUMERY CORPORATION, Wilmington, Del.
Filed June 26, 1924. Serial No. 199,162. PUBLISHED SEPTEMBER 2, 1924.
- 192,773. THREAD PRODUCED CHEMICALLY. ALSA S. A., Basel, Switzerland.
Filed June 24, 1924. Serial No. 199,028. PUBLISHED SEPTEMBER 30, 1924.
- 192,774. ARTIFICIAL-SILK THREAD AND YARN. NAAMLOOZE VENNOTSCHAP HOLLANDSCHE KUNSTZIJDE INDUSTRIE, Emer, Breda, Netherlands.
Filed April 11, 1924. Serial No. 195,410. PUBLISHED SEPTEMBER 23, 1924.
- 192,775. MATERIALS FOR BUILDING CONSTRUCTION—NAMES, FOUNDATIONS OF CONCRETE, SUPPORTING FRAMEWORK OF STEEL, ROOF COVERING OF CORRUGATED IRON, WOOD SHEATHING, COMPOSITION PAIR, AND CONCRETE. UNION IRON WORKS OF LOS ANGELES, Los Angeles, Calif.
Filed March 12, 1924. Serial No. 193,688. PUBLISHED SEPTEMBER 23, 1924.
- 192,776. BLEACHED COTTON PIECE GOODS. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed February 29, 1924. Serial No. 193,048. PUBLISHED SEPTEMBER 23, 1924.
- 192,777. FIRE BRICK IN PLASTIC FORM SUITABLE FOR FURNACE LINING AND KINDRED USES. THE S. OBERMAYER CO., Chicago, Ill.
Filed February 18, 1924. Serial No. 192,491. PUBLISHED SEPTEMBER 23, 1924.
- 192,778. VARNISHES, PAINT ENAMELS, FILLERS, STAINS, FURNITURE POLISH, PASTE AND READY-MIXED PAINTS. CHRISTIAN VICK, doing business as Excelsior Varnish Works, Cleveland, Ohio.
Filed February 2, 1924. Serial No. 191,678. PUBLISHED SEPTEMBER 23, 1924.
- 192,779. HARDWOOD FLOORING. THE CAMPBELL & DAMM MANUFACTURING COMPANY, Tullahoma, Tenn.
Filed January 19, 1924. Serial No. 191,002. PUBLISHED SEPTEMBER 23, 1924.
- 192,780. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed December 11, 1923. Serial No. 189,532. PUBLISHED SEPTEMBER 23, 1924.
- 192,781. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed December 11, 1923. Serial No. 189,531. PUBLISHED SEPTEMBER 23, 1924.
- 192,782. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed December 11, 1923. Serial No. 189,522. PUBLISHED SEPTEMBER 23, 1924.
- 192,783. CERTAIN CUTLERY AND TOOLS. DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif.
Filed November 19, 1923. Serial No. 188,540. PUBLISHED SEPTEMBER 23, 1924.
- 192,784. OIL-WELL TOOLS AND EQUIPMENT COMPRISING FISHTAIL BITS, STANDARD DRILLING BITS, UNDERREAMERS, AND STANDARD DRILLING AND FISHING JARS. UNION TOOL COMPANY, Torrance, Calif.
Filed August 28, 1923. Serial No. 185,097. PUBLISHED SEPTEMBER 23, 1924.
- 192,785. LIQUID COATING MATERIAL IN THE NATURE OF A PAINT. THE FULTON PAINT CO., Cleveland, Ohio.
Filed August 20, 1923. Serial No. 184,720. PUBLISHED SEPTEMBER 23, 1924.
- 192,786. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,358. PUBLISHED OCTOBER 16, 1923.
- 192,787. COMBINATION CEMENT. CHEMICAL RESEARCH COMPANY OF LYNN, MASS., Chicago, Ill.
Filed August 1, 1923. Serial No. 183,907. PUBLISHED SEPTEMBER 23, 1924.
- 192,788. HYDRAULIC VALVES, PILOT VALVES, AND ELEVATOR VALVES. WM. B. KOCHENDERFER, doing business as Hydraulic Engineering & Equipment Co., Philadelphia, Pa.
Filed June 9, 1923. Serial No. 181,753. PUBLISHED SEPTEMBER 23, 1924.
- 192,789. VINEGAR AND PEANUT BUTTER. THE ROSS-ROSS CO., Sioux City, Iowa.
Filed May 23, 1923. Serial No. 181,045. PUBLISHED SEPTEMBER 16, 1924.
- 192,790. SILK PIECE GOODS. GIMBEL BROTHERS, New York, New York, N. Y.
Filed March 22, 1923. Serial No. 177,841. PUBLISHED SEPTEMBER 23, 1924.
- 192,791. TOILET PREPARATION IN THE FORM OF A MEAL TO BE USED INSTEAD OF SOAP TO CLEANSE THE SKIN. ALICE WUNDER EARLEY, Los Angeles, Calif.
Filed October 30, 1922. Serial No. 171,351. PUBLISHED SEPTEMBER 23, 1924.
- 192,792. BEDSPREADS, BEDSPREAD BOLSTERS, COMFORTABLES, TABLE PADDING, AND MATTRESS PADS COMPOSED OF TEXTILE FABRICS. JOHN V. FARWELL COMPANY, Chicago, Ill.
Filed October 26, 1922. Serial No. 171,210. PUBLISHED SEPTEMBER 23, 1924.
- 192,793. METAL STATUARY, MEMORIAL TABLETS, AND OTHER MEMORIALS IN METAL. GOTHAM MANUFACTURING COMPANY, Providence, R. I.
Filed August 27, 1921. Serial No. 152,248. PUBLISHED SEPTEMBER 23, 1924.
- 192,794. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. TOLERTON & WARFIELD CO., Sioux City, Iowa.
Filed August 2, 1915. Serial No. 88,374. PUBLISHED SEPTEMBER 16, 1924.
- 192,795. OLEOMARGARINE. WILSON & CO., INC., OF CALIFORNIA, Chicago, Ill., and Los Angeles, Calif.
Filed August 11, 1924. Serial No. 201,270. PUBLISHED SEPTEMBER 30, 1924.
- 192,796. WHEAT FLOUR. SCOTT LOGAN MILLING CO., Sheldon, Iowa.
Filed August 2, 1924. Serial No. 200,902. PUBLISHED SEPTEMBER 30, 1924.
- 192,797. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR COMPANY, Denver, doing business as The Model Flour Mills, Greeley, Colo.
Filed August 2, 1924. Serial No. 200,864. PUBLISHED SEPTEMBER 30, 1924.
- 192,798. SWEDISH HEALTH BREAD. POLLACK WEEKS COMPANY, INC., New York, N. Y.
Filed August 1, 1924. Serial No. 200,828. PUBLISHED SEPTEMBER 30, 1924.

192,799. EGGS. H. SEMKEN & CO., INC., New York, N. Y.
Filed July 28, 1924. Serial No. 200,045. PUBLISHED SEPTEMBER 30, 1924.

192,800. CRACKERS, BISCUITS, CONFECTIONS, PLAIN COOKIES AND CAKES, AND CANDIED COOKIES AND CAKES. PAUL SCHULZE BISCUIT CO., Chicago, Ill.
Filed August 4, 1924. Serial No. 200,968. PUBLISHED SEPTEMBER 30, 1924.

192,801. BURNISHING COMPOUNDS. KENT-MOORE ORGANIZATION, Detroit, Mich.
Filed July 19, 1924. Serial No. 200,264. PUBLISHED SEPTEMBER 9, 1924.

192,802. CORRESPONDENCE PAPER AND ENVELOPES. PHILIP H. BIRD, Boston, Mass.
Filed July 15, 1924. Serial No. 200,032. PUBLISHED SEPTEMBER 16, 1924.

192,803. CANDY. FRED W. AMEND CO., Chicago, Ill.
Filed July 15, 1924. Serial No. 200,028. PUBLISHED SEPTEMBER 30, 1924.

192,804. CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed July 14, 1924. Serial No. 199,966. PUBLISHED SEPTEMBER 16, 1924.

192,805. CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed July 14, 1924. Serial No. 199,965. PUBLISHED SEPTEMBER 16, 1924.

192,806. FRESH VEGETABLES. BIGGAR-PADGETT COMPANY, Fort Myers, Fla.
Filed July 12, 1924. Serial No. 199,929. PUBLISHED SEPTEMBER 30, 1924.

192,807. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,925. PUBLISHED SEPTEMBER 16, 1924.

192,808. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,924. PUBLISHED SEPTEMBER 16, 1924.

192,809. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,923. PUBLISHED SEPTEMBER 16, 1924.

192,810. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,922. PUBLISHED SEPTEMBER 16, 1924.

192,811. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,921. PUBLISHED SEPTEMBER 16, 1924.

192,812. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo.
Filed July 12, 1924. Serial No. 199,919. PUBLISHED SEPTEMBER 16, 1924.

192,813. OATS AND STOCK FOODS. CALLAHAN & SONS, Louisville, Ky.
Filed July 11, 1924. Serial No. 199,578. PUBLISHED SEPTEMBER 30, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

192,814. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,834.

Style No.
125

GARLOCK
HIGH PRESSURE COIL
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.

Claims use since Mar. 25, 1905.

192,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PABST FARMS, Oconomowoc, Wis., assignor, by mesne assignments, to Pabst Corporation, a Corporation of Wisconsin. Filed June 2, 1923. Serial No. 181,494.

MUSTARD SWISS

Particular description of goods.—Cheese.
Claims use since May 15, 1923.

192,816. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,842.

Style No.
602

GARLOCK
HIGH PRESSURE GASKETS
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.

Claims use since Sept. 6, 1906.

192,817. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) L. H. GILMER CO., Philadelphia and Tacony, Philadelphia, Pa. Filed Sept. 11, 1923. Serial No. 185,655.

SUPER-SERVICE

Particular description of goods.—Fabric Belts for Transmitting Power.
Claims use since Aug. 21, 1922.

192,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GEO. C. MANSFIELD CO., Milwaukee, Wis. Filed Sept. 14, 1923. Serial No. 185,788.

Sealed-Fresh

Particular description of goods.—Eggs.
Claims use since Aug. 20, 1922.

192,819. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed Oct. 19, 1923. Serial No. 187,213.

Lorraine

Particular description of goods.—Hairpins, Safety Pins, and Toilet Pins.
Claims use since Oct. 11, 1923.

192,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST CANNING COMPANY, Salem, Oreg. Filed Mar. 11, 1924. Serial No. 193,616.

PORTLAND BRAND

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since Oct. 20, 1923.

192,821. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST CANNING COMPANY, Salem, Oreg. Filed Mar. 11, 1924. Serial No. 193,617.

VANCOUVER BRAND

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since Oct. 20, 1923.

192,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREEK CANDY KITCHEN, Clinton, Ind. Filed Apr. 7, 1924. Serial No. 195,105.

**MAPLE
GOODY**

Particular description of goods.—Candy.
Claims use since Oct. 15, 1923.

192,823. (CLASS 12. CONSTRUCTION MATERIALS.) THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio. Filed June 4, 1924. Serial No. 198,064.

**SELF
SETERING**

Particular description of goods.—Expanded Metal Used for Reinforcing Concrete Construction, and Also Used in Fireproof Building Construction to Take the Place of Lath.
Claims use since Dec. 30, 1911.

192,824. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING & BUMPER COMPANY, Detroit, Mich. Filed June 23, 1924. Serial No. 198,985.

STA-BRITE

Particular description of goods.—Nickel-Plated Articles Specifically Used for Bumper Parts.
Claims use since about May 20, 1923.

192,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY E. GRIGSBY, doing business as Goody-Goody Manufacturing Company, Oklahoma, Okla. Filed Aug. 26, 1924. Serial No. 201,894.

**GOODY-GOODY
CHILI SANDWICH**

Particular description of goods.—Chili Sandwiches.
Claims use since Jan. 1, 1910.

192,826. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NATIONAL MALLEABLE AND STEEL CASTINGS COMPANY, Cleveland, Ohio. Filed Sept. 16, 1924. Serial No. 202,673.

WILLISON

Particular description of goods.—Couplers and Parts for Couplers for Railway Vehicles.
Claims use since June 1, 1923.

192,827. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE LITTLE RED WAGON MFG. CO., Omaha, Nebr. Filed Sept. 22, 1924. Serial No. 202,876.

STROUD

Particular description of goods.—Dump Wagons.
Claims use since 1899.

192,828. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Oct. 17, 1924. Serial No. 204,024.

TOULON

Particular description of goods.—Cotton Piece Goods. Claims use since about Oct. 9, 1920.

192,829. (CLASS 12. CONSTRUCTION MATERIALS.) HENRY F. KELLNER, Silver Lake, Kans. Filed Sept. 23, 1924. Serial No. 203,039.

KELLNER JETTIES

Particular description of goods.—Jetties and Jetty Construction Materials Consisting of Fascines Constructed of Metal, or Wood Strips Used Singly or Combined and Connected; Also Anchors and Metal or Wire Strands for a Control of the Fascines; Also Silt-Accumulating Means for Water Currents Consisting of Current Deflectors and Materials Therefor Such as are Described in Letters Patent of the United States No. 1,355,052, Issued October 5, 1920.

Claims use since Aug. 15, 1918.

192,830. (CLASS 39. CLOTHING.) COLUMBIA SHIRT COMPANY, New York, N. Y. Filed Sept. 17, 1924. Serial No. 202,693.

London Broadcloth

Particular description of goods.—Dress and Negligee Shirts.

Claims use since August, 1922.

192,831. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HAZLETON SYRUP COMPANY, Hazleton, Pa. Filed Aug. 12, 1924. Serial No. 201,291.

NON-FERMENT

Particular description of goods.—Cereal Malt Sirup Containing a Low Percentage of Fermentable Sugar and Specifically Designed for the Production of Ale or Beer Like Beverages Containing Less Than One-Half Per Cent of Alcohol by Volume.

Claims use since Feb. 21, 1922.

192,832. (CLASS 39. CLOTHING.) DANIEL W. FARNSWORTH, Montclair, N. J., and New York, N. Y. Filed July 19, 1924. Serial No. 200,250.

Farnsworth

Particular description of goods.—Suits in One, Two, and Three Piece Garments for Men; Men's Overcoats and Trousers; Suits in One, Two, and Three Piece Garments for Women; and Coats, Wraps, and Dresses for Women. Claims use since July, 1918.

192,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER & HOLMES, St. Paul, Minn. Filed June 26, 1924. Serial No. 199,178.

Favorite Creamery Butter

Particular description of goods.—Butter. Claims use since Apr. 1, 1898.

192,834. (CLASS 39. CLOTHING.) ENID FROCK, Inc., New York, N. Y. Filed June 24, 1924. Serial No. 199,051.

Maiden Form

Particular description of goods.—Brassieres. Claims use for not less than one year.

192,835. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GOODMAN AMERICAN ICE CREAM COMPANY, Chicago, Ill. Filed June 13, 1924. Serial No. 198,518.

"THE SMACK THAT OTHERS LACK"

Particular description of goods.—Ginger Ale. Claims use since 1921.

192,836. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE AUTOMOBILE SPECIALTY MFG. CO., Inc., Harrisburg, Pa. Filed Jan. 17, 1924. Serial No. 190,907.

STIKS- IT

Particular description of goods.—Inner-Tube Patches. Claims use since July 1, 1923.

192,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. O. LEASE, doing business as Lease Packing Co., Los Angeles, Calif. Filed Dec. 6, 1923. Serial No. 189,321.

LEASE'S

PIMIENTO-HAM

Particular description of goods.—A Spread for Sandwiches Containing Rolled Ham, Salad Dressing, Pimientos, and Sweet Pickles.

Claims use since Oct. 13, 1923.

192,838. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & Co., Minneapolis, Minn. Filed Nov. 26, 1923. Serial No. 188,943.

LYLE-WEB

Particular description of goods.—Negligee Shirts. Claims use since Oct. 24, 1923.

192,839. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BASTIAN-MORLEY CO., Laporte, Ind. Filed Nov. 5, 1923. Serial No. 187,980.

Instant Hot Water

Particular description of goods.—Gas Water Heaters. Claims use since Oct. 18, 1923.

192,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE COLE CHEMICAL COMPANY, Topeka, Kans. Filed Oct. 22, 1923. Serial No. 187,300.

COLES

Particular description of goods.—Preparation for Use in Preventing Leaking and Freezing of Automobile Radiators, for Preventing Freezing of Railway Switches, and for Use in Increasing the Refrigerating Action of Refrigerators.

Claims use since Oct. 1, 1923.

329 O. G.—22

192,841. (CLASS 2. RECEPTACLES.) PRESSED METAL COMPANY, Springdale, Pa. Filed Sept. 7, 1923. Serial No. 185,493.

KLEAN-FLO

Particular description of goods.—Dispensing Apparatus for Sugar, Salt, and Syrup. Claims use since about June 27, 1923.

192,842. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LOCOMOTIVE FIREBOX COMPANY, Chicago, Ill. Filed Sept. 6, 1923. Serial No. 185,371.

NICHOLSON THERMIC SYPHON

Particular description of goods.—Water-Circulating Elements for Locomotive-Fire-Box Boilers. Claims use since Feb. 24, 1922.

192,843. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HUCK AXLE CORPORATION, Chicago, Ill. Filed June 11, 1923. Serial No. 181,833.

HUCK

Particular description of goods.—Axles, Axle Housings, Axle-Driving Mechanism, and Brakes for Automotive Vehicles.

Claims use since June 16, 1922.

192,844. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER A. TERRY, doing business as Quick Action Products Co., Bell, Calif. Filed May 28, 1923. Serial No. 181,312.

QUICK ACTION

Particular description of goods.—Insecticide and Deodorizer.

Claims use since on or about Jan. 1, 1922.

TRADE-MARK REGISTRATIONS RENEWED

- 24,430. RIVETS. Registered April 3, 1894. Hoopes & Townsend. Renewed April 3, 1924, to Hoopes & Townsend Company, Philadelphia, Pa., a Corporation of Delaware, assignee.
- 25,555. BREWERS' VARNISH AND SHELLAC. Registered November 27, 1894. MAYNZ & CO., New York, N. Y. Renewed November 27, 1924.
- 25,968. COTTON YARN AND SEWING COTTON. Registered February 5, 1895. JOHN DEWHURST & SONS, LTD., Skipton, England. Renewed February 5, 1925.
- 25,995. COCOA AND ALL KINDS OF CHOCOLATE. Registered February 5, 1895. BOVRIL, LIMITED, London, England. Renewed February 5, 1925.
- 26,079. CLEANING AND POLISHING ARTICLES AND PREPARATIONS. Registered February 19, 1895. JOHN OAKLEY & SONS, LIMITED, London, England. Renewed February 19, 1925.
- 26,080. CLEANING AND POLISHING ARTICLES AND PREPARATIONS. Registered February 19, 1895. JOHN OAKLEY & SONS, LIMITED, London, England. Renewed February 19, 1925.
- 26,191. WOOL GOODS INCLUDING SHAWLS, APRONS, HORSE CLOTHING, AND SADDLERS' GOODS. Registered March 5, 1895. J. J. & W. WILSON, LIMITED, Kendal, England. Renewed March 5, 1925.
- 26,273. EDUCATIONAL BOOKS. Registered March 26, 1895. G. & C. MERRIAM COMPANY, Springfield, Mass. Renewed March 26, 1925.
- 26,342. METERS FOR MEASURING WATER, GAS, ELECTRICITY, OR OTHER FLUID. Registered April 2, 1895. BUFFALO METER COMPANY, Buffalo, N. Y. Renewed April 2, 1925.
- 26,389. LOCKS, HINGES, BELLS, DOOR OPENERS, AND OTHER HARDWARE USED IN THE CONSTRUCTION OF BUILDINGS AND VESSELS. Registered April 9, 1895. FRANCIS KEIL & SON, New York, N. Y., assignee.
- 26,515. A CERTAIN SOAP. Registered May 7, 1895. NEWELL & BRO., San Francisco, Calif. Renewed May 7, 1925.

LABELS

REGISTERED DECEMBER 9, 1924.

- 27,912.—Title: MARIONETTE. For Ladies' Hats. ANDERSON & JACOBS CO. INC., New York, N. Y. Published August 4, 1924.
- 27,913.—Title: WHEATSWORTH. For Flour. F. H. BENNETT BISCUIT COMPANY, New York, N. Y. Published August 9, 1924.
- 27,914.—Title: SPISBRÖD. For Bread. S. A. HARARI & CO., INC., New York, N. Y. Published August 25, 1924.
- 27,915.—Title: MONOGRAM MATCH PACKS CASE B (YELLOW). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,916.—Title: MONOGRAM MATCH PACKS CASE C (ORANGE). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,917.—Title: MONOGRAM MATCH PACKS CASE D (GREEN). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,918.—Title: MONOGRAM MATCH PACKS CASE E (BLACK). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,919.—Title: MONOGRAM MATCH PACKS CASE F (SILVER). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,920.—Title: MONOGRAM MATCH PACKS CASE G (BLUE). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,921.—Title: MONOGRAM MATCH PACKS CASE H (LIGHT BLUE). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,922.—Title: MONOGRAM MATCH PACKS CASE I (PURPLE). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,923.—Title: MONOGRAM MATCH PACKS CASE J (PURPLE). For Match Packs. KAY & ELLINGER, INC., New York, N. Y. Published March 30, 1924.
- 27,924.—Title: MENTH-O-LIC. For Menthol and Licorice Cough Wafers. J. FRANK SHELLENBERGER COMPANY, Philadelphia, Pa. Published August 4, 1924.
- 27,925.—Title: GLASSINE PURITY PACK. For Glassine Paper. THE WARREN MANUFACTURING COMPANY, New York, N. Y. Published August 29, 1924.
- 27,926.—Title: YOUNG'S SOAP CHIPS. For Soap Chips. CHAS. W. YOUNG & CO., Philadelphia, Pa. Published August 1, 1924.
- 27,927.—Title: YOUNG'S PEARL BORAX SOAP CHIPS. For Soap Chips. CHAS. W. YOUNG & CO., Philadelphia, Pa. Published August 1, 1924.

PRINTS

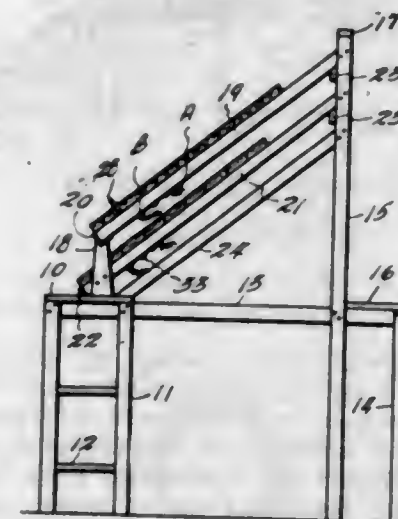
REGISTERED DECEMBER 9, 1924.

- 7,601.—Title: CALIFORNIA FIG BREAD. For Bread. CALIFORNIA PEACH & FIG GROWERS, Fresno, Calif. Published May 1, 1924.
- 7,602.—Title: AS GOOD AS IT LOOKS. For Nonalcoholic Cereal Beverages. ADAM SCHEIDT BREWING CO., Norristown, Pa. Published June 1, 1923.

REISSUES

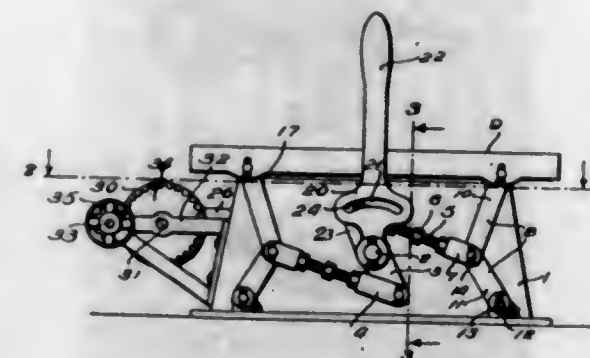
DECEMBER 9, 1924.

- 15,958. VENDING RACK. WILLIAM J. ASHTON, Dallas, Tex. Filed Feb. 29, 1924. Serial No. 696,099. Original No. 1,458,510, dated June 12, 1923, Serial No. 544,983, filed Mar. 20, 1922. 3 Claims. (Cl. 211—14.)



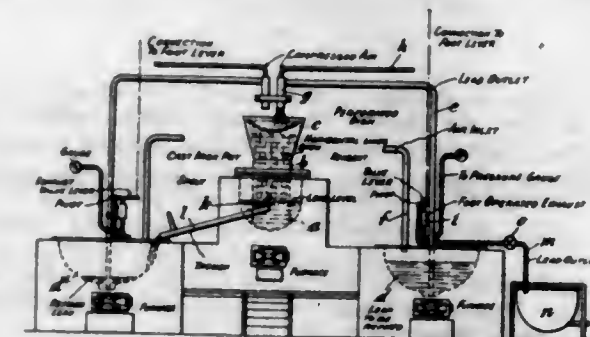
3. A vending rack comprising a frame structure including a rear support and a front support of less height than the rear support, an inclined display board having its upper end secured to said rear support and its lower end secured to said front support, said board having a series of parallel longitudinal grooves, each having a curvature for snugly receiving a plurality of cylindrical articles in superposed order, and an arcuate guard adjacent the lower end of each groove in position to overhang the next to the lowermost article, said guard having means holding a price tag in juxtaposition to the articles in said groove.

- 15,959. JARRING MACHINE. DAVID C. COBLE, Elizabethtown, Pa. Filed Nov. 16, 1921. Serial No. 515,739. Original No. 1,323,677, dated Dec. 2, 1919, Serial No. 299,107, filed May 23, 1910. 6 Claims. (Cl. 22—45.)



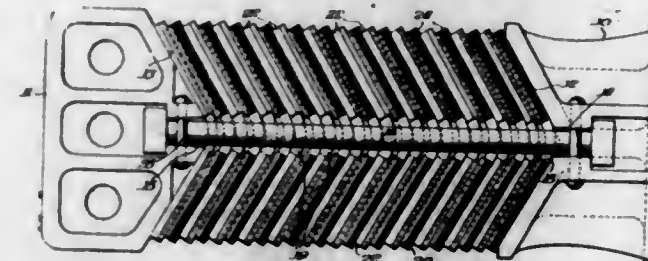
1. A device of the class described comprising a frame, a table thereon, toggles connecting the table with the frame, a rock shaft journaled in the frame, adjustable means for connecting the toggle levers with the shaft and means for rocking the shaft.

- 15,960. METHOD OF AND APPARATUS FOR REFINING MOLTEN METAL. HENRY HARRIS, London, England. Filed Mar. 10, 1924. Serial No. 698,279. Original No. 1,418,148, dated May 30, 1922, Serial No. 354,852, filed Jan. 29, 1920. 21 Claims. (Cl. 266—34.)



1. In apparatus for refining molten metal, the combination of a container for a molten reagent lighter than the metal, said container having an opening at its upper end for the passage of the metal thereto and having an opening at its discharge end for the passage of the metal therefrom, said container being sealed at its discharge end with some of the molten metal so as to prevent the passing of molten reagent with the metal, means for containing the molten metal to be refined, and means for causing said metal to pass in distributed form several times through the molten reagent.

- 15,961. DRAFT RIGGING. GEORGE L. HARVEY, deceased, late of Chicago, Ill., by Helen A. Harvey, executrix, and Kellogg Fairbank, executor, both of Chicago, Ill. Filed Aug. 4, 1924. Serial No. 730,088. Original No. 1,454,600, dated May 8, 1923, Serial No. 527,571, filed Jan. 7, 1922. 12 Claims. (Cl. 213—30.)

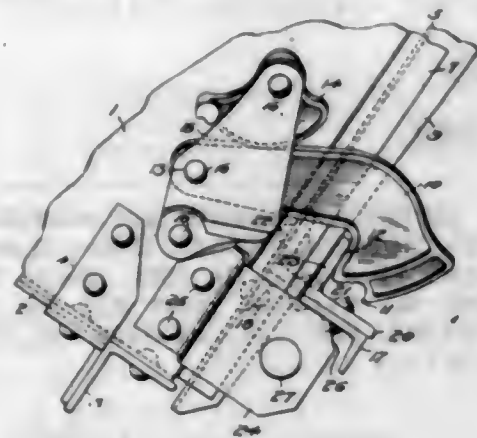


1. In a draft rigging, the combination of front and rear blocks and a series of plates held therebetween said plates being of angular form and the edges thereof being laterally bent, the edges of successive plates being bent in opposite directions.

- 15,962. CAR-DOOR DEVICE. WILLIAM E. WINE, Toledo, Ohio, assignor to Wine Railway Appliance Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 9, 1924. Serial No. 742,673. Original No. 1,436,927, dated Nov. 28, 1922, Serial No. 577,351, filed July 25, 1922. 10 Claims. (Cl. 105—308.)

1. A railway car having a door hinged to the car body, a door supporting hook pivoted to the car body, an arm secured to the door and extending outwardly therefrom

beyond an edge of the same, said arm being arranged for engagement with the said hook, and an abutment se-

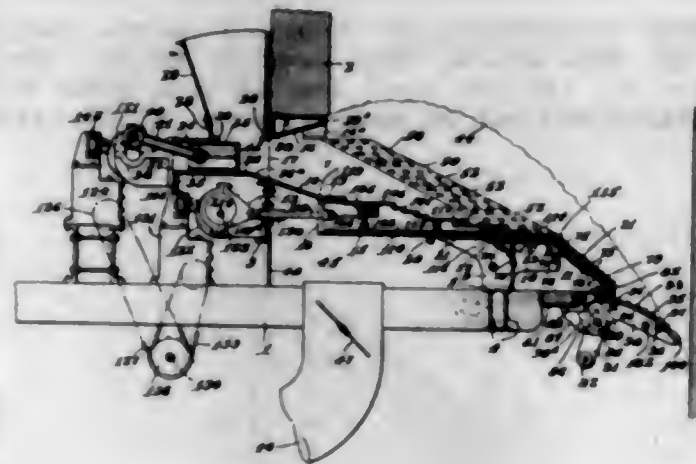


cured to the car body, the same being formed and located in a manner to engage the said arm to arrest the door against slippage away from the hinged edge thereof.

15,963. AUTOMATIC STOKER. OSCAR O. NYGAARD, Saugus, Mass., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed May 23, 1924. Serial No. 715,466. Original No. 1,441,293, dated Jan. 9, 1923, Serial No. 240,160. Filed June 15, 1918. 52 Claims. (Cl. 110-44.)

1. In an automatic underfeed stoker, having upper and lower fuel feeding means, means to operate said lower fuel feeding means independently of said upper fuel feeding means, and in timed relation therewith.

31. The combination in an underfeed stoker furnace, of fuel receiving troughs spaced apart to form air channels at the sides, and a tuyere spanning the air channels having a plurality of horizontally extending strengthening floors, one or more of said floors adapted to be in engagement with and supported on cooperating brackets in said air channels.

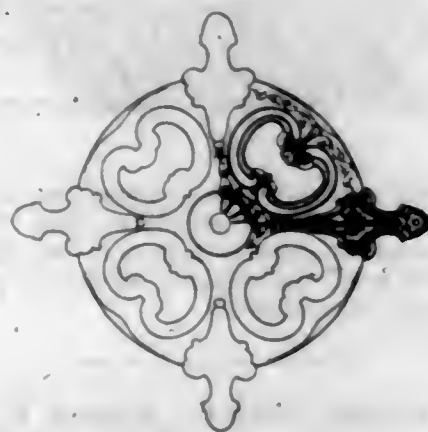


50. An underfeed stoker having, in combination, a downwardly and rearwardly inclined retort having an opening in its bottom wall, a pusher extending through said opening and mounted for longitudinally reciprocating movement therein for feeding fuel down said retort, a closed chamber containing air to which the forward end of said pusher is exposed, and means for supplying air under pressure to said chamber.

DESIGNS

DECEMBER 9, 1924.

66,173. LIGHTING-FIXTURE PART. HARRY AGLOW, New York, N. Y., assignor to Artercraft Metal Stamping Corporation, a Corporation of New York. Filed June 27, 1924. Serial No. 9,994. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture part substantially as shown and described.

66,174. ARM FOR LIGHTING FIXTURES. HARRY AGLOW, New York, N. Y., assignor to Artercraft Metal Stamping Corporation, a Corporation of New York. Filed June 27, 1924. Serial No. 9,995. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an arm for lighting fixtures substantially as shown.

66,175. RING. ALBERT BROD, New York, N. Y. Filed Oct. 7, 1924. Serial No. 10,985. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a ring, as shown.

66,176. RING. ALBERT BROD, New York, N. Y. Filed Oct. 7, 1924. Serial No. 10,986. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a ring, as shown.

66,177. TEXTILE FABRIC. JAMES H. BUNTING, Clinton, N. J., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Sept. 27, 1924. Serial No. 10,916. Term of patent $3\frac{1}{2}$ years.



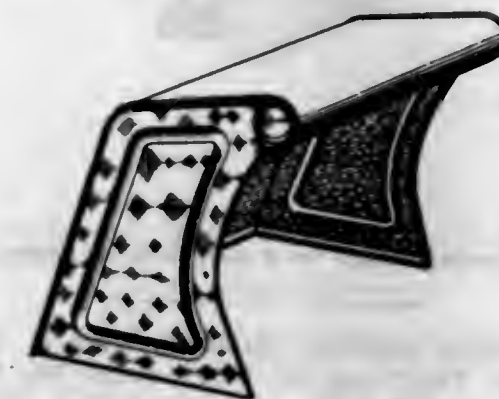
The ornamental design for a textile fabric as shown.

66,178. REGISTER. SAMUEL P. BURGESS, Rock Island, Ill. Filed Oct. 28, 1924. Serial No. 11,203. Term of patent 14 years.



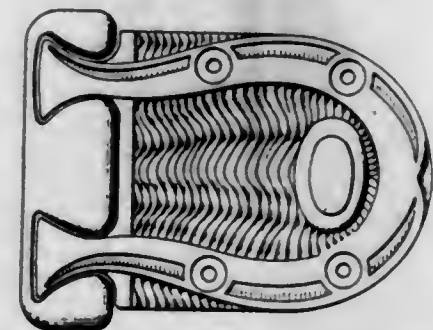
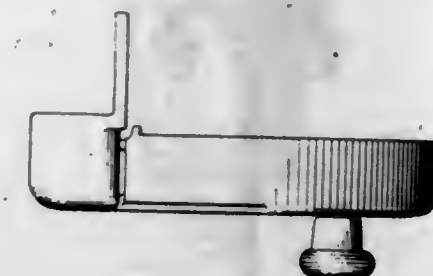
The ornamental design for a register as shown.

66,179. COVERING FOR FLOOR OPENINGS. VIGGO DAHL, Indianapolis, Ind. Filed Jan. 5, 1924. Serial No. 8,241. Term of patent 14 years.



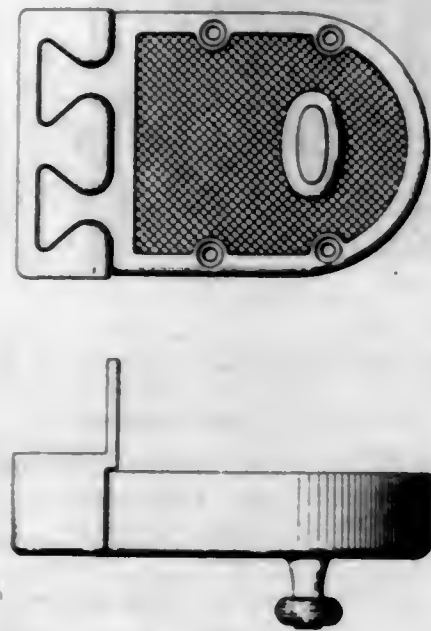
The ornamental design for a covering for floor openings, as shown and described.

66,180. DOORLOCK. SAMUEL EDELSON, New York, N. Y. Filed Feb. 19, 1923. Serial No. 5,201. Term of patent 14 years.



The ornamental design for door lock, as shown.

66,181. DOORLOCK. SAMUEL EDELSON, New York, N. Y. Filed Feb. 19, 1923. Serial No. 5,202. Term of patent 14 years.



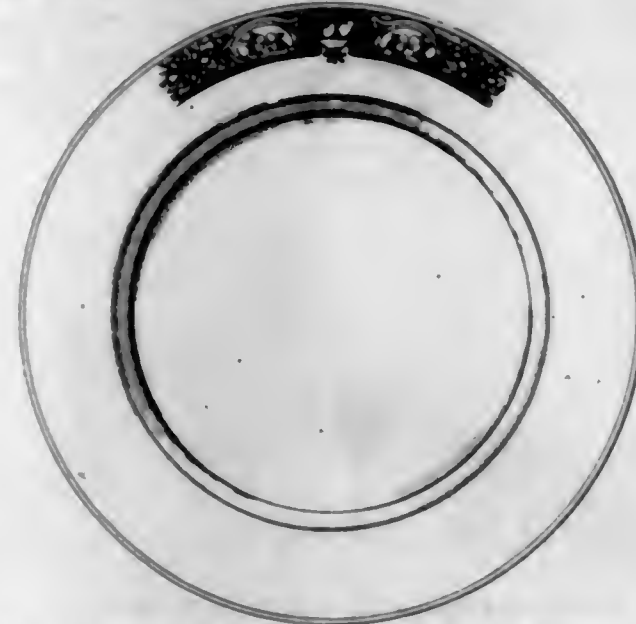
The ornamental design for a door lock, as shown.

66,182. WREN HOUSE. OLLIE C. GEORGE, Crystal Lake, Ill. Filed Aug. 19, 1924. Serial No. 10,498. Term of patent 7 years.



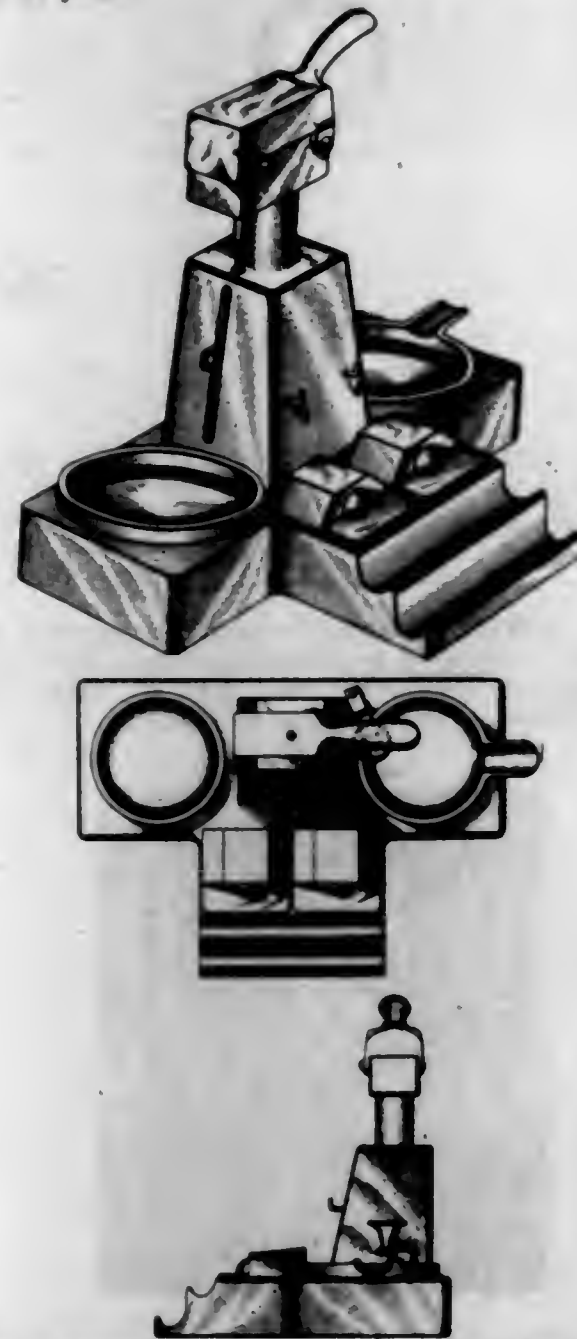
The ornamental design for a wren house, as shown.

66,183. PLATE OR SIMILAR ARTICLE. WILLIAM P. GRAHAM, New York, N. Y. Filed Oct. 8, 1924. Serial No. 10,991. Term of patent 7 years.



An ornamental design for a plate of similar article as shown.

66,184. COMBINED CIGAR LIGHTER AND INK-STAND. SAMUEL E. GUINN, Johnson City, Tenn. Filed June 16, 1923. Serial No. 6,520. Term of patent 14 years.



The ornamental design for a combined cigar lighter and inkstand, as shown.

66,185. AUTOMOBILE TIRE. ARCHER H. HARRIS, Chattanooga, Tenn. Filed Apr. 18, 1922. Serial No. 1,820. Term of patent 14 years.



The ornamental design for an automobile tire as shown.

66,186. CHAIN PENDANT FOR LIGHTING FIXTURES. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,036. Term of patent 7 years.



The ornamental design for a chain pendant for lighting fixture, as shown.

66,187. CEILING-TYPE LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,037. Term of patent 7 years.



The ornamental design for a ceiling type lighting fixture, as shown.

66,188. CEILING-TYPE LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,038. Term of patent 7 years.



The ornamental design for a ceiling type lighting fixture, as shown.

66,189. WALL DROP-TYPE LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,039. Term of patent 7 years.



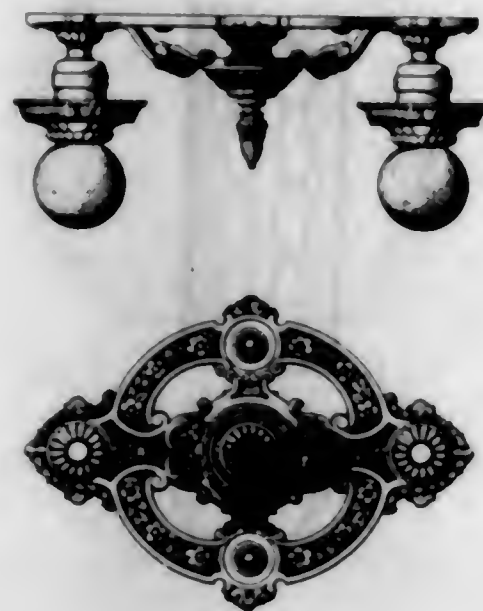
The ornamental design for a wall drop type lighting fixture, as shown.

66,190. FLUSH WALL-TYPE LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,040. Term of patent 7 years.



The ornamental design for a flush wall type lighting fixture, as shown.

66,191. LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,041. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

66,192. LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,042. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

66,193. LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,043. Term of patent 7 years.



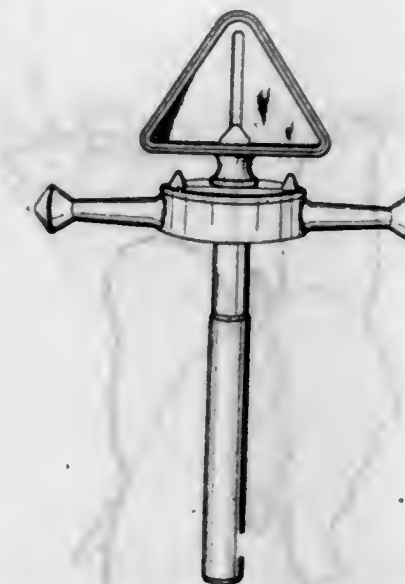
The ornamental design for a lighting fixture, as shown.

66,194. LIGHTING FIXTURE. WILLIAM JAEGER, Philadelphia, Pa., assignor to Henry M. Kofsky, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 11,044. Term of patent 7 years.



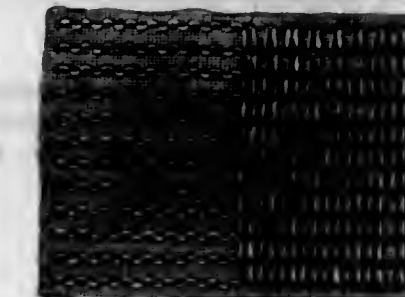
The ornamental design for a lighting fixture, as shown.

66,195. WATER GAUGE FOR AUTOMOBILE RADIATORS. LEWIS A. JARVIS, Grand Rapids, Mich. Filed May 1, 1922. Serial No. 2,028. Term of patent 3½ years.



The ornamental design for a water gauge for automobile radiators, as shown.

66,196. EMBROIDERED TEXTILE FABRIC. ABRAHAM LAPATIN, New York, N. Y., assignor to Star Pleating Co., New York, N. Y., a Corporation of New York. Filed Oct. 31, 1923. Serial No. 7,637. Term of patent 3½ years.



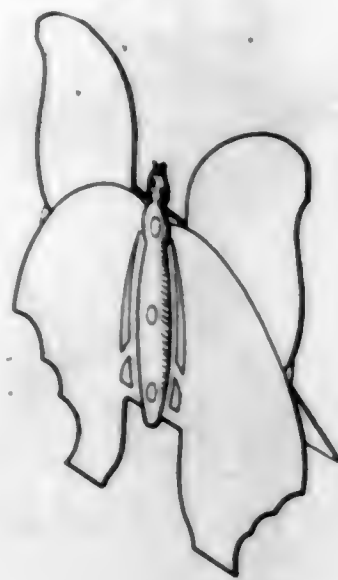
The ornamental design for an embroidered textile fabric as shown.

66,197. BIRD CAGE. LEWICKI J. LEON, Chicago, Ill., assignor to L. J. Leon Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed June 8, 1922. Serial No. 2,579. Term of patent 14 years.



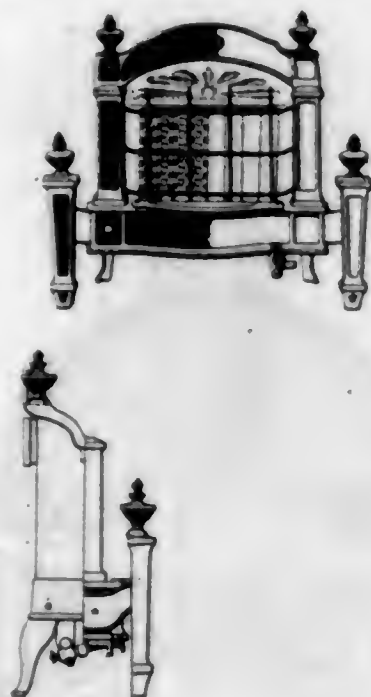
The ornamental design for a bird cage, as shown.

66,198. EASEL. DAVID LEVIGTON, New York, N. Y. Filed July 8, 1924. Serial No. 10,084. Term of patent 3½ years.



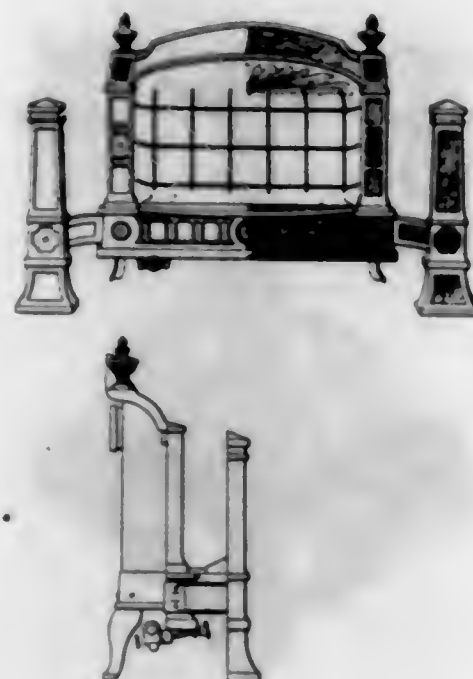
The ornamental design for an easel, as shown.

66,199. GAS HEATER. FRANK S. LIVINGSTON, Los Angeles, Calif., assignor to Snow Manufacturing Company, Los Angeles, Calif. Filed Oct. 23, 1924. Serial No. 11,163. Term of patent 7 years.



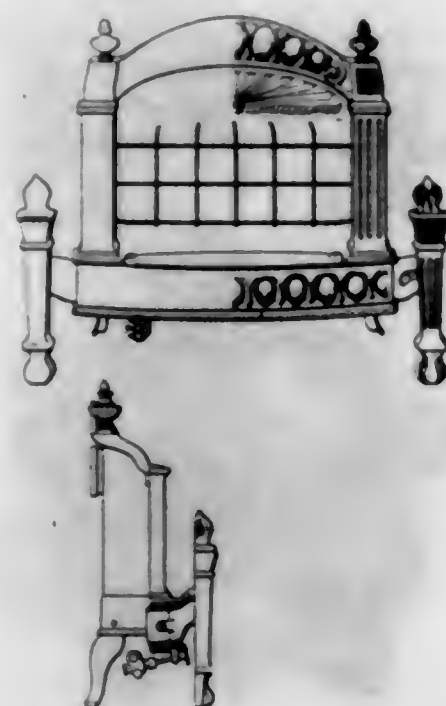
The ornamental design for a gas heater, as shown.

66,200. GAS HEATER. FRANK S. LIVINGSTON, Los Angeles, Calif., assignor to Snow Manufacturing Company, Los Angeles, Calif. Filed Oct. 23, 1924. Serial No. 11,164. Term of patent 7 years.



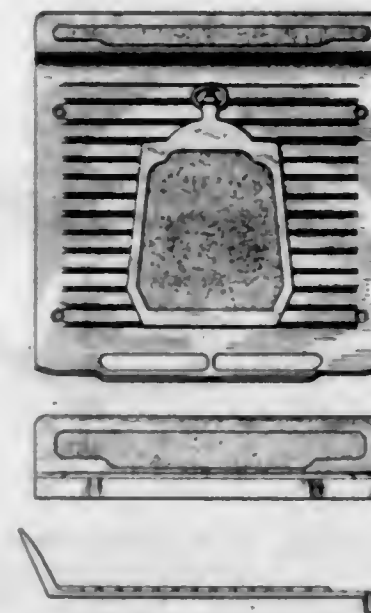
The ornamental design for a gas heater, as shown.

66,201. GAS HEATER. FRANK S. LIVINGSTON, Los Angeles, Calif., assignor to Snow Manufacturing Company, Los Angeles, Calif. Filed Oct. 23, 1924. Serial No. 11,165. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

66,202. STEP PLATE. BLANCHE A. MACARTHUR, Los Angeles, Calif., assignor to Earle C. Anthony, Inc., Los Angeles, Calif., a Corporation of California. Filed Apr. 28, 1924. Serial No. 9,423. Term of patent 14 years.



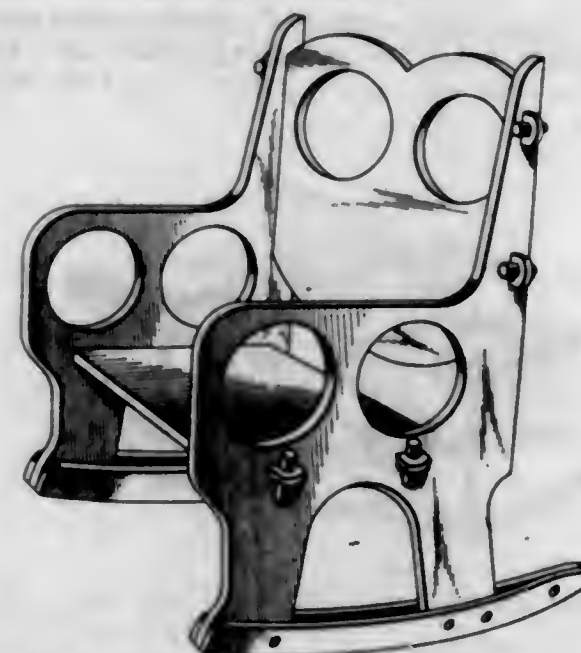
The ornamental design for a step plate, as shown.

66,203. BADGE FOR PERSONAL WEAR. REDMOND A. MACCARTHY, Chicago, Ill., assignor to Louise B. Wells and Dorothy P. Smith, both of Chicago, Ill., as trustees for the sole use and benefit of a Voluntary Organization known as "Women's Overseas Service League." Filed May 24, 1924. Serial No. 9,699. Term of patent 14 years.



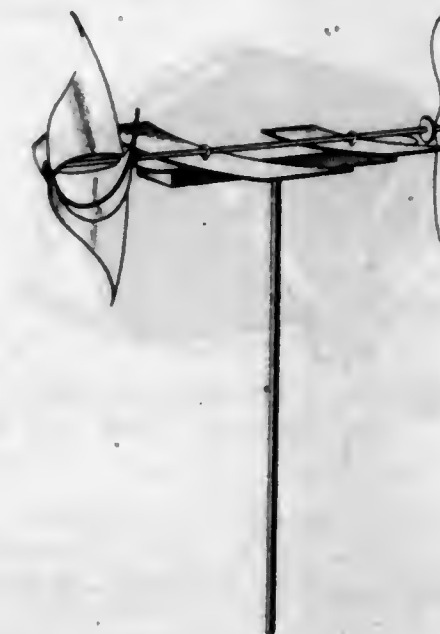
The ornamental design for a badge for personal wear as shown.

66,204. ROCKING CHAIR. JOHN F. MCGLOTHLIN, Seattle, Wash. Filed July 15, 1924. Serial No. 10,155. Term of patent 7 years.



The ornamental design for a rocking chair, as shown.

66,205. AERIAL TOY. FUMI MORINAGA, New York, N. Y. Filed Sept. 11, 1923. Serial No. 7,181. Term of patent 14 years.



The ornamental design for an aerial toy, as shown.

66,206. BADGE. FRANCIS F. PATTON, Chicago, Ill., assignor to Delta Tau Delta Fraternity, a Corporation of New York. Filed Sept. 8, 1924. Serial No. 10,696. Term of patent 14 years.



The ornamental design for a badge as shown.

66,207. PICTURE FRAME. MICHAEL PELLETIER, New York, N. Y. Filed Aug. 6, 1924. Serial No. 10,396. Term of patent 14 years.



The ornamental design for a picture frame as shown.

66,208. KNITTED CAP. AMOS R. POOL, New York, N. Y. Filed Oct. 11, 1924. Serial No. 11,047. Term of patent 7 years.



The ornamental design for a knitted cap, as shown.

66,209. BADGE OR LIKE ARTICLE. GEORGE W. RITTER, Baltimore, Md., assignor to Sublime Order of Khat, Inc., Baltimore, Md. Filed Mar. 5, 1924. Serial No. 8,837. Term of patent 3½ years.



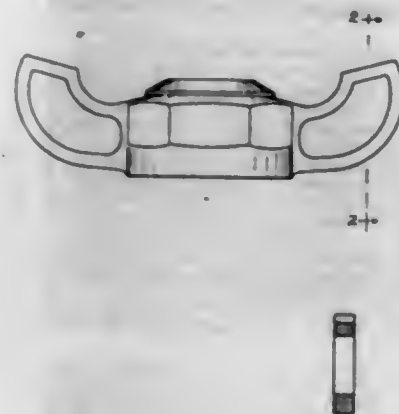
The ornamental design for a badge or like article, as shown.

66,210. AUTOMOBILE DOOR HANDLE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 11, 1924. Serial No. 10,738. Term of patent 7 years.



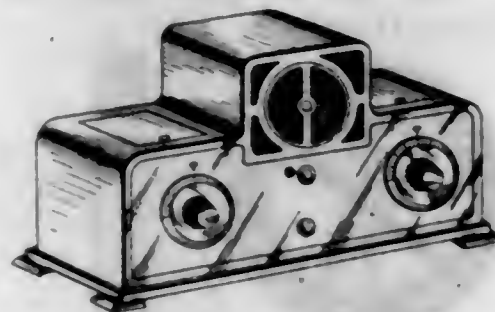
The ornamental design for an automobile door handle, as shown.

66,211. RADIATOR CAP FOR AUTOMOBILES. JOHN W. SEALOCK, Grand Rapids, Mich. Filed Dec. 29, 1923. Serial No. 8,187. Term of patent 14 years.



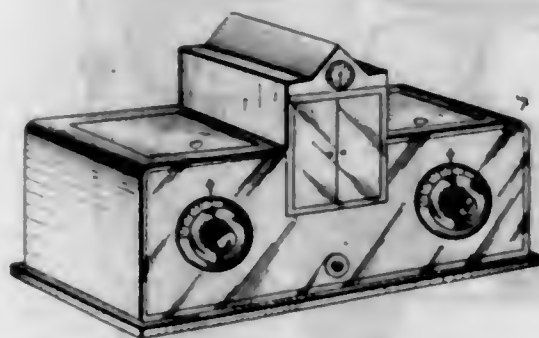
The ornamental design for a radiator cap for automobiles, as shown.

66,212. COMBINATION RADIO CABINET AND LOUD SPEAKER. HENRY O. VICTOR, Saginaw, Mich. Filed Oct. 14, 1924. Serial No. 11,066. Term of patent 7 years.



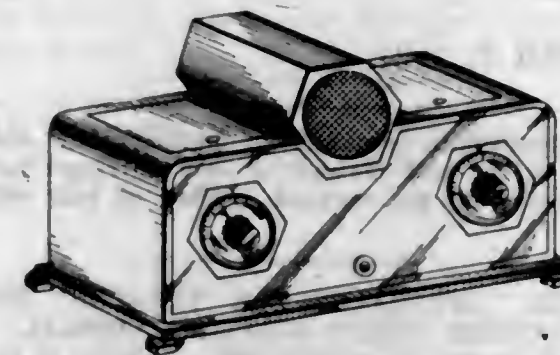
The ornamental design for a combination radio cabinet and loud speaker, as shown.

66,213. COMBINATION RADIO CABINET AND LOUD SPEAKER. HENRY O. VICTOR, Saginaw, Mich. Filed Oct. 14, 1924. Serial No. 11,067. Term of patent 7 years.



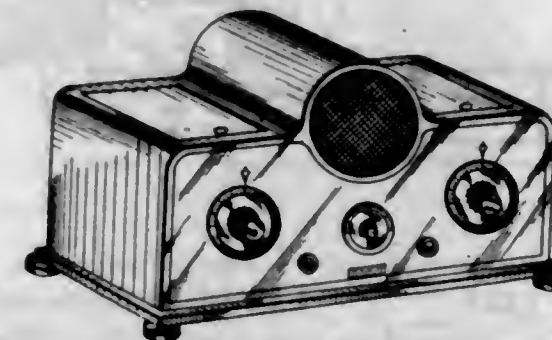
The ornamental design for a combination radio cabinet and loud speaker, as shown.

66,214. COMBINATION RADIO CABINET AND LOUD SPEAKER. HENRY O. VICTOR, Saginaw, Mich. Filed Oct. 14, 1924. Serial No. 11,069. Term of patent 3½ years.



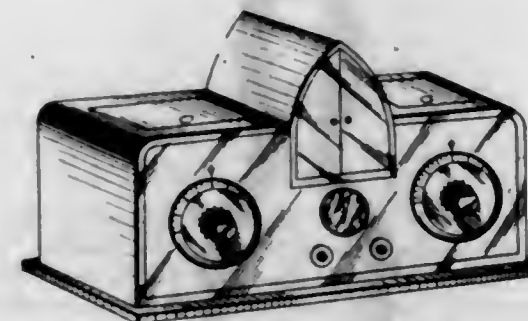
The ornamental design for a combination radio cabinet and loud speaker, as shown.

66,215. COMBINATION RADIO CABINET AND LOUD SPEAKER. HENRY O. VICTOR, Saginaw, Mich. Filed Oct. 14, 1924. Serial No. 11,068. Term of patent 7 years.



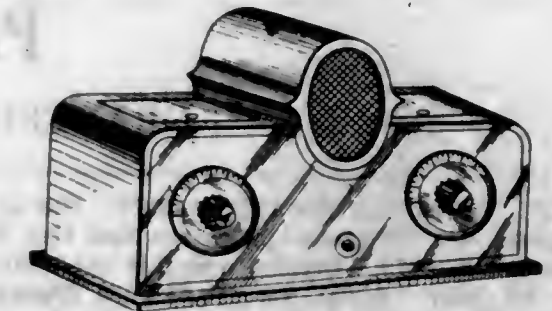
The ornamental design for a combination radio cabinet and loud speaker, as shown.

66,216. COMBINATION RADIO CABINET AND LOUD SPEAKER. HENRY O. VICTOR, Saginaw, Mich. Filed Oct. 14, 1924. Serial No. 11,070. Term of patent 3½ years.



The ornamental design for a combination radio cabinet and loud speaker, as shown.

66,217. COMBINATION RADIO CABINET AND LOUD SPEAKER. HENRY O. VICTOR, Saginaw, Mich. Filed Oct. 14, 1924. Serial No. 11,071. Term of patent 3½ years.



The ornamental design for a combination radio cabinet and loud speaker, as shown.

66,218. FINIAL FOR LIGHTING FIXTURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1924. Serial No. 10,815. Term of patent 7 years.



The ornamental design for a finial for lighting fixture, as shown.

66,219. FINIAL FOR LIGHTING FIXTURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1924. Serial No. 10,816. Term of patent 7 years.

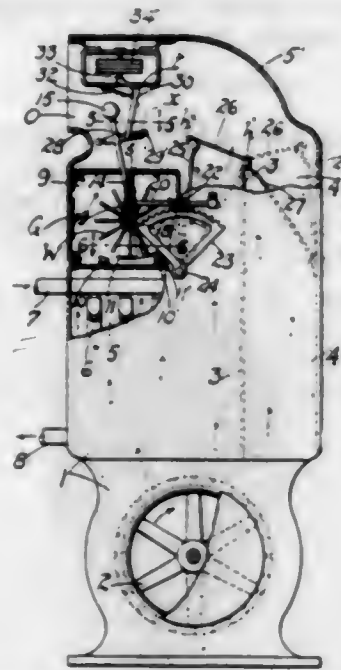


The ornamental design for a finial for lighting fixture, as shown.

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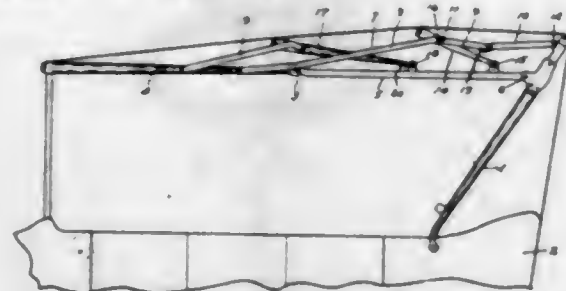
GRANTED DECEMBER 9, 1924.

1,518,127. VENTILATING APPARATUS. HENRY BAETZ, St. Louis, Mo. Original application filed May 5, 1920. Serial No. 379,072. Divided and this application filed June 10, 1921. Serial No. 476,556. 5 Claims. (Cl. 98-27.)



1. In a ventilating system, a tempering apparatus comprising a casing provided with air intake and discharge openings, hot air and cold air compartments for heating and tempering the air discharged from the casing, dampers for controlling the air discharged from the respective compartments, an air motor, valve-controlled jet nozzles leading from the hot air compartment for actuating the motor in either direction, intermediate gear connections between the motor and dampers afore-said for actuating the dampers, and thermostatically controlled means for actuating the jet-controlling valves in proper direction to effect reversals of the motor and corresponding tempering of the air discharged from the casing.

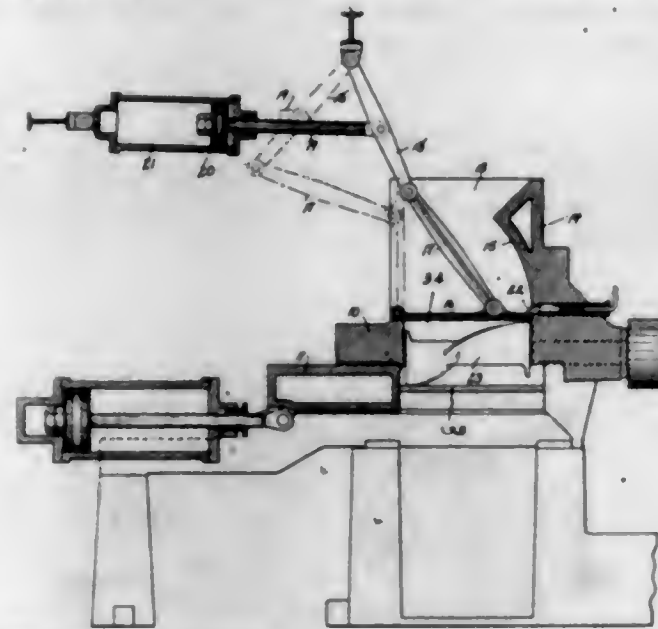
1,518,128. VEHICLE TOP. MARTIN BALDWIN, Detroit, Mich., assignor, by mesne assignments, to The Brewster-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Oct. 31, 1921. Serial No. 511,685. 3 Claims. (Cl. 296-116.)



2. A folding top for vehicles, comprising a main bow, a bipartite outrigger bow member connected to said main bow, toggle links connected to said main bow, a link connected to the forward member of said outrigger bow, an intermediate bow connected to the rear member of said outrigger bow, a pivotal connection between the adjacent ends of said link and said toggle links carried by said intermediate bow, and an auxiliary bow also connected to the rear member of said outrigger bow and supported from the forward member of said outrigger bow.

said intermediate bow, and an auxiliary bow also connected to the rear member of said outrigger bow and supported from the forward member of said outrigger bow.

1,518,129. APPARATUS FOR TREATING RUBBER AND OTHER HEAVY PLASTIC MATERIAL. FERNLEY H. BANBURY, Ansonia, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation. Filed Feb. 16, 1922. Serial No. 537,132. 13 Claims. (Cl. 18-2.)



1. In a machine of the class specified, the combination with a stationary casing having a charging-opening in its top and a discharge-opening in its bottom, of a rotor located in the said casing, a pivotal closure mounted upon the said casing, in position to close the said charging-opening, means for operating the said closure, a closure for the said discharge-opening, and means for operating the same.

1,518,130. GAME APPLIANCE. LOUIS V. BARACHI, Pittsburgh, Pa. Filed May 11, 1923. Serial No. 638,431. 2 Claims. (Cl. 46-66.)



1. A game appliance comprising a composite body portion consisting of a hollow inner section formed throughout of metallic material and with the material at the

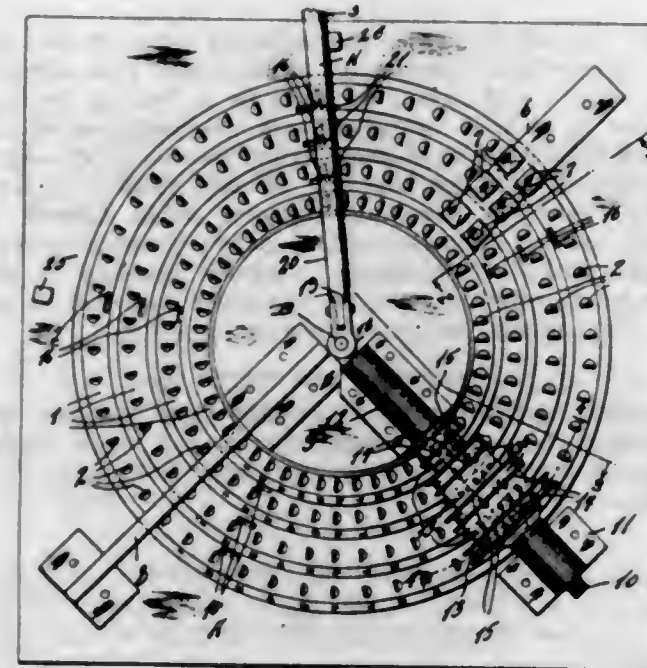
DECEMBER 9, 1924

U. S. PATENT OFFICE.

339

outer periphery of said section roughened, and an outer section of non-metallic material completely enclosing said inner section and directly adhering to said roughened periphery, said roughened periphery of said inner section augmenting the adherent properties of said sections, said outer section formed with a pair of finger holes each having the wall thereof engraved through-out and its bottom spaced from the outer periphery of the inner section.

1,518,131. ADDING MACHINE. PAUL BIALIK, Eagle Park, Ill. Filed July 3, 1922. Serial No. 572,549. 5 Claims. (Cl. 235-91.)



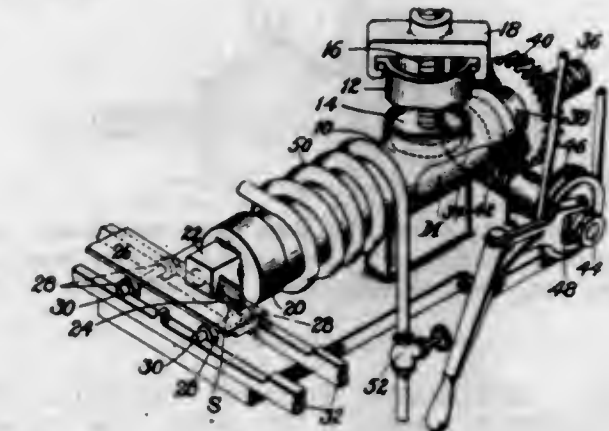
1. An adding machine comprising a plurality of numeral wheels, a plurality of rotatable disks of varying diameters arranged one above the other, the axis of said rotatable disks being at an angle to the axis of said numeral wheels, said rotatable disks being provided with teeth, and toothed wheels on said numeral wheels, said numeral wheels being arranged immediately above said disks and said toothed wheels and the teeth on said disks being adapted to mesh whereby the rotation of one of said disks will impart a like rotation to the associated numeral wheel.

1,518,132. VENTILATED HAT. GEORGE A. BIRDSALL, Galt, Ill. Filed Apr. 2, 1923. Serial No. 629,470. 1 Claim. (Cl. 2-176.)



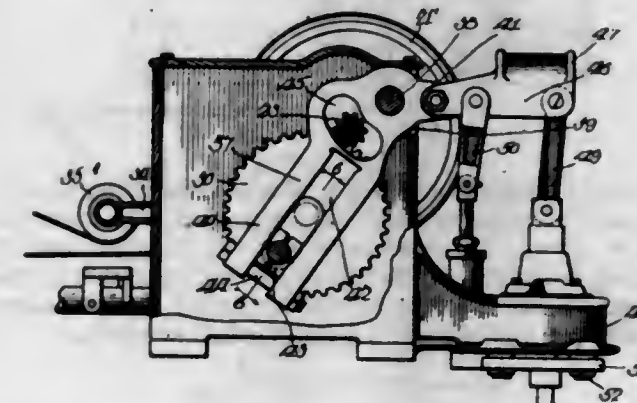
A hat including a crown and a brim, a ventilating screen formed of light wire circumferentially disposed between said crown and said brim, the upper edge of the ventilating screen being secured to the inner wall of said crown and the lower edge thereof being secured to the upper wall of said brim, and a reinforcing wire of heavier gauge than the wire forming said screen arranged in zigzag formation upon the inner wall of said ventilating screen for reinforcing the latter, the upper and lower loops of the zigzag formed wire extending respectively tangential to the upper and lower edges of said screen, as and for the purposes described.

1,518,133. METHOD OF MAKING PATTERNS FOR CASTINGS. ALBERT R. BRADEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 22, 1920. Serial No. 425,855. 13 Claims. (Cl. 22-195.)



1. The method of making patterns for castings, which consists in forming a strip of flexible material having the cross-section of the object to be cast, and bending the strip to the contour of said object.

1,518,134. PUMP. ARTHUR W. BURKS, Decatur, Ill., assignor to Decatur Pump & Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed July 12, 1919. Serial No. 310,378. 4 Claims. (Cl. 74-14.)

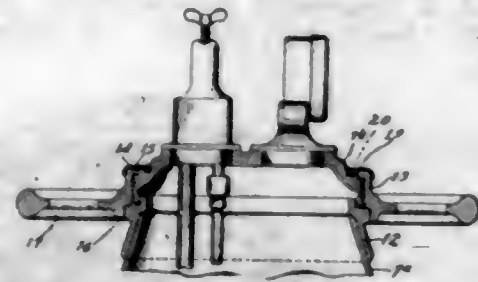


1. A mechanism of the character described including in combination, a casing, a pinion shaft extending across the casing and having a bearing on each side thereof, a pinion mounted thereon within the casing, a gear wheel mounted within the casing and meshing with the pinion and driven thereby, a crank rotatably mounted within the casing and a wrist pin connecting said crank and gear wheel, a walking beam construction mounted for oscillation within the casing and having one arm extending without the casing for operating a pump construction, said walking beam being provided with a guideway in the form of an elongated slot, a box construction connected to said wrist pin and slidably mounted in said guideway, said walking beam also having an opening to permit the passage of the shaft on which said pinion is mounted.

1,518,135. PNEUMATIC PAINTING APPARATUS. JAMES H. CAHILL, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Feb. 23, 1922. Serial No. 538,572. 2 Claims. (Cl. 220-61.)

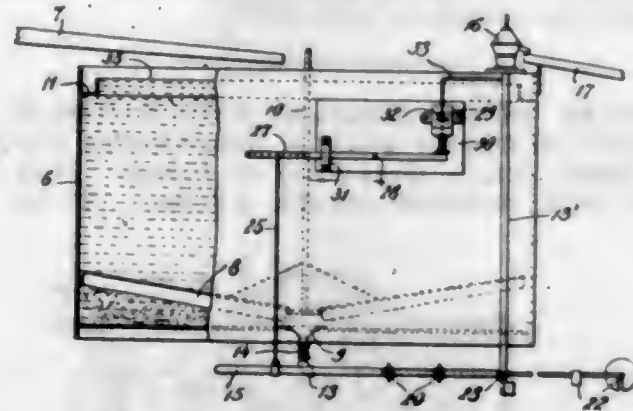
1. In a pneumatic painting apparatus, in combination, a paint receptacle comprising a body portion, an annular upstanding flange on the upper end of said body portion, an annular shoulder on said body portion located externally of and at the base of said flange, a head for closing said body, said head having an annular depending flange engaging said shoulder and fitting around said first

mentioned flange, an annular external shoulder on said head, a ring having a flange engaging said external shoulder and having screw threaded engagement with



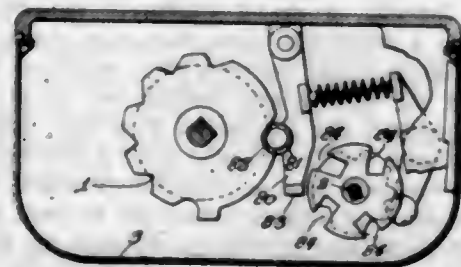
said body portion below said first mentioned flange, and a retaining means mounted externally on said head and engaging said ring to secure the ring rotatably to the head.

1,518,136. AUTOMATIC DENSITY CONTROL FOR THICKENERS. JOHN V. N. DORR, New Canaan, Conn., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 25, 1922. Serial No. 556,479. 11 Claims. (Cl. 210-55.)



1. Control apparatus for thickeners comprising a movable conduit section through which a discharge from the thickener flows, in combination with control devices associated with the conduit section and actuated by the movement of the conduit section resulting from changes in density of the stream of discharged material.

1,518,137. ELECTRICAL SYSTEM FOR LOCOMOTIVES. SIDNEY W. FARNHAM, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 22, 1922. Serial No. 608,509. 3 Claims. (Cl. 191-3.)



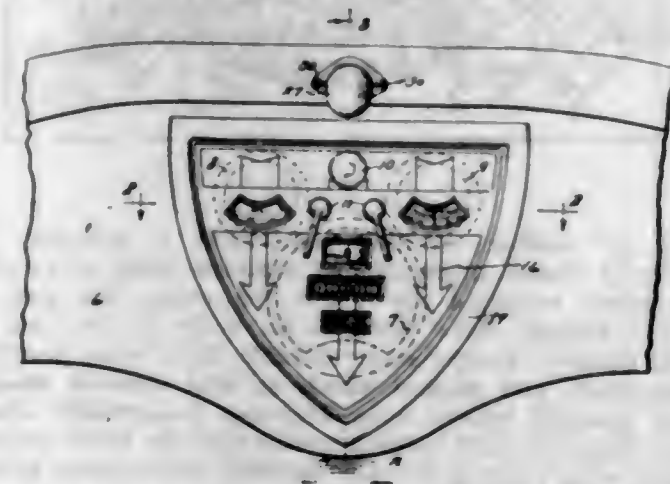
1. In combination with an electric locomotive having a motor adapted to be connected in circuit either with a trolley or a gathering reel, a controller for said motor comprising two drums, a resistance controlled by one of said drums, the other drum being a reversing drum to reverse the motor, and switching means on the said reversing drum providing in one position a feeding connection with the trolley and a ground connection with the locomotive frame, and in another position both a feeding and a ground connection through the gathering reel, independent of said ground connection on the locomotive frame, said gathering reel having two conductors wound thereon for connection with a feed wire and a ground connection respectively.

1,518,138. UMBRELLA ATTACHMENT. CHARLES A. FETTERS, Washington, D. C. Filed May 31, 1922. Serial No. 564,922. Renewed Apr. 30, 1924. 1 Claim. (Cl. 135-44.)



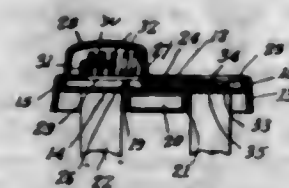
The combination with the adjacent ends of the ribs of an umbrella, of means for holding said ribs adjacent each other, said means comprising a flexible member adapted to encircle the ribs, a rib clasp member carried by the other end of said flexible member, a rib engaging hook carried by one end of said flexible member, one of said rib engaging members being formed integral with a threaded cap, a paper clasp member carried within diametrically disposed recesses in the threaded cap and a threaded container threaded in the cap and housing the paper clasp member.

1,518,139. INSTRUMENT BOARD FOR MOTOR VEHICLES. LOWELL C. FREEMAN, Detroit, Mich. Filed Oct. 2, 1922. Serial No. 591,961. 6 Claims. (Cl. 180-90.)



1. In combination, an instrument board having a covering thereon, instruments centrally grouped on said board and a plate disposed over certain of said instruments and having apertures therein through which certain of said instruments may pass and other apertures therein through which portions of said instruments disposed beneath said plate may be seen, the edges of said plate at the latter apertures being bent downwardly and horizontally.

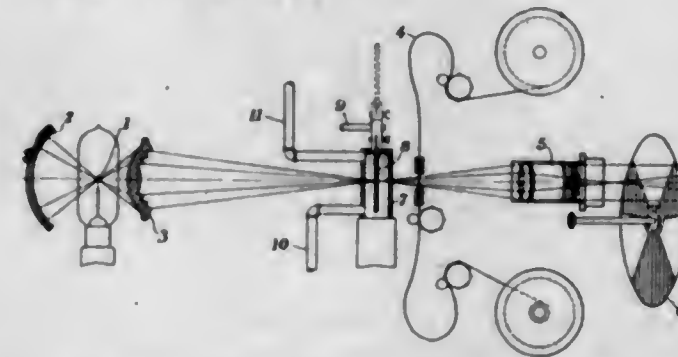
1,518,140. BAG FASTENER. FRANZ A. FULLER, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a Corporation of Delaware. Filed Dec. 11, 1922. Serial No. 606,097. 5 Claims. (Cl. 292-175.)



2. A bag fastener comprising upper and lower plate members spaced apart and containing registering openings, flanges formed with each member to cause rigid

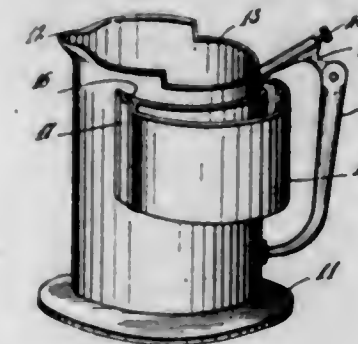
interengagement, a slide movable between said plate members, means for guiding and means for limiting the movement of said slide formed on said lower member, said slide normally projecting partially into the space between the mentioned openings, a head formed on said slide, said head extending accessibly through an opening in the upper of said plate members, and means for resiliently pressing said slide into engaging position.

1,518,141. HEAT-ABSORBING DEVICE. HENRY PHELPS GAGE, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 615,174. 3 Claims. (Cl. 83-24.)



1. In a light filter, the combination with a water layer having an absorption of wave lengths greater than 1.5 microns, and a screen of a glass having selective absorption for wave lengths between .77 microns and 1.5 microns.

1,518,142. MILK-BOILING VESSEL. EMILE GERARD-FESTENBURG, New York, N. Y. Filed Feb. 12, 1924. Serial No. 692,362. 5 Claims. (Cl. 53-1.)



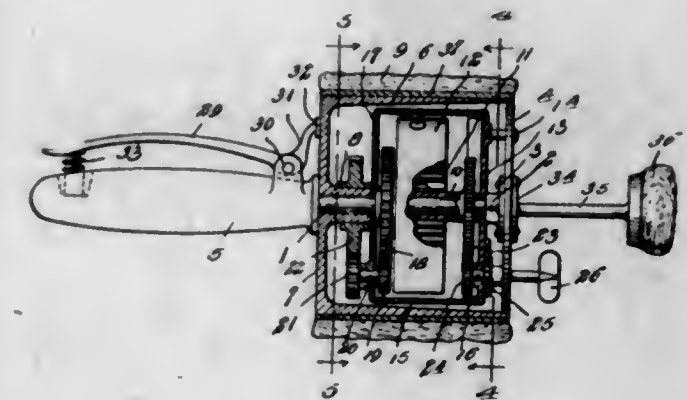
1. A device of the class described comprising a main vessel formed with a discharge spout on one side thereof; and a supplementary receptacle mounted thereon and partially surrounding the opposite side of the main vessel, the portion of the said vessel surrounded by the supplementary receptacle being of less height than the other portion.

1,518,143. SHOE-POLISHING DEVICE. ABRAHAM GOLDMAN, New York, N. Y. Filed Mar. 16, 1922. Serial No. 544,312. 1 Claim. (Cl. 15-97.)

A shoe polisher including a spindle, a handle mounted on one end of the spindle, a circular plate mounted on the other end thereof, a sleeve member rotatable on the spindle and of a length less than the spindle, a tubular drum having an end wall at one end thereof formed with a spindle receiving sleeve for rotatably mounting said drum on the spindle, the other end extending over the periphery of the circular plate, a casing mounted on the circular plate within the drum, a spring housing rotatable on the sleeve member within the casing, a coiled spring in said housing having one end secured to said sleeve member and the other end to said spring housing, gears carried by said spring housing and drum sleeve gear connections rotatable in said cas-

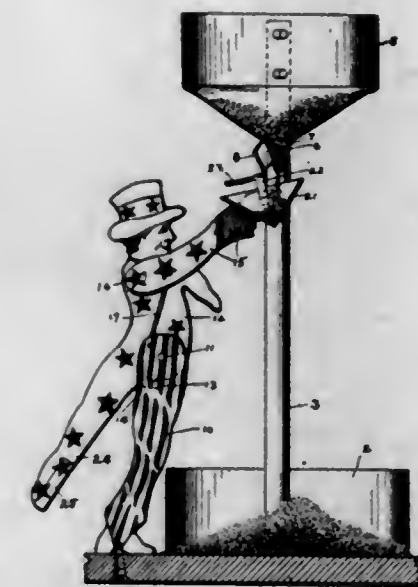
329 O. G.—23

ing and meshing with said gears for transmitting the rotary movement of the spring housing to said drum, a winding mechanism mounted on said casing and co-operating with the sleeve for winding the spring and



holding it in tensioned position, polishing material mounted on the periphery of the drum, and means mounted on the handle for controlling the rotation of the drum.

1,518,144. SAND TOY. ULYSSES S. HUGGINS, Pittsburgh, Pa. Filed Nov. 21, 1922. Serial No. 602,434. 8 Claims. (Cl. 46-37.)

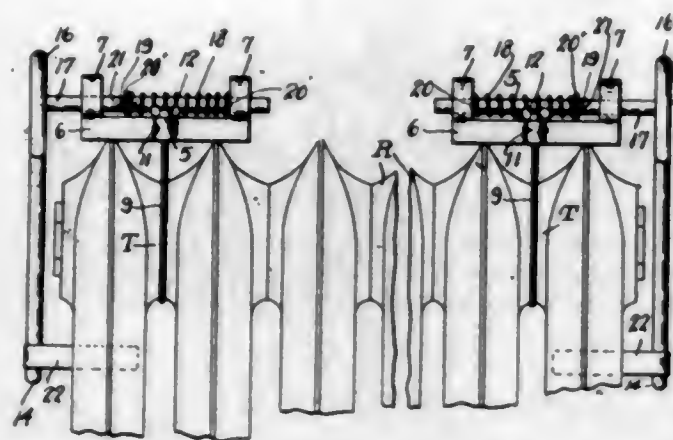


1. In a sand mill, the combination of a hopper, a spout in the bottom thereof, a valve normally swung under said spout to shut off the flow of sand, a base, a figure of a man below said hopper said figure having legs rigidly supported on said base forming a standard thereon, a body forming a lever pivoted on said legs arms pivoted on said body and adapted to swing thereon, links connecting said swinging arms and said stationary legs for normally holding said arms up in a predetermined position and causing the arms to swing relative to the body as the body swings forward on the stationary legs.

1,518,145. BRACKET FOR CLOTH RADIATOR COVERS. AUGUST F. HUTZEL, Ann Arbor, Mich. Filed Jan. 6, 1923. Serial No. 611,074. 3 Claims. (Cl. 237-79.)

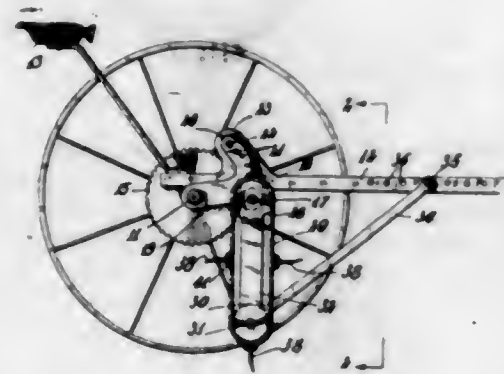
3. The combination with a heat radiator of guide blocks secured in spaced relation thereon, apertured ears on said guide blocks, securing means between the radiator and guide blocks, brackets having supporting arms slidably engaged by the ears of the guide blocks, washers

fixed on the slidable arms of the brackets and disposed between the ears of the guide blocks, expansion coil springs on the supporting arms of the brackets between



the washers and certain of the ears on the guide blocks, and frictional clips carried by the brackets in contact with the radiator.

1,518,146. AGRICULTURAL IMPLEMENT. JUAN ISARRA, Martindale, Tex. Filed Mar. 15, 1923. Serial No. 625,302. 3 Claims. (Cl. 97-46.)

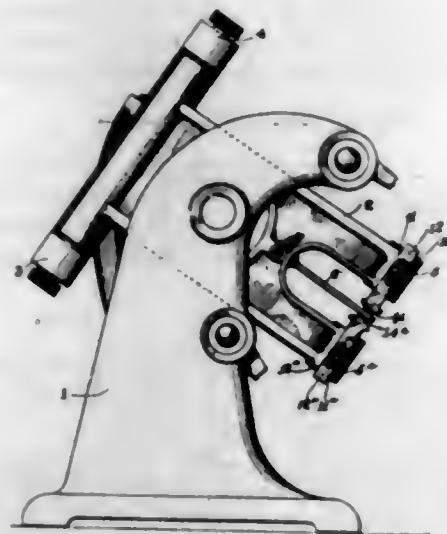


3. A machine of the type described comprising wheels, a rotary axle on which said wheels are mounted, a beam connected to said axle, a series of arms engaged freely at their rear ends with said axle, a shaft supported in the front ends of said arms, pairs of sprocket wheels fixed on said shaft, a second shaft supported by and underneath the first shaft, pairs of sprocket wheels on said second shaft, pairs of sprocket chains looped over the said sprocket wheels, and cultivator teeth carried by said chains, and means for securing the said arms to the said beam in vertically adjusted positions, and a series of bars engaged freely with the said second shaft at their rear ends and being adapted for connection to said beam at their forward ends at different points along the latter.

1,518,147. PUNCHING AND FASTENER-INSERTING MECHANISM. GEORGE W. JACQUES, Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 17, 1919. Serial No. 331,447. 12 Claims. (Cl. 218-15.2.)

12. A duplex eyeletting machine comprising two confronting punches, two confronting eyelet-inserting tools, means arranged to lie between two confronting work elements to cooperate with said punches and tools, means

arranged to operate said punches to punch and feed the work, and two confronting strippers arranged a fixed



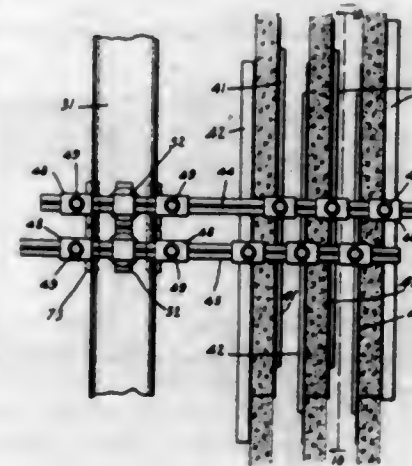
distance apart in non-clamping relation to strip said work elements from said punches as the latter are retracted from each other.

1,518,148. DISPLAY RACK. MEYER KAMENSTEIN, New York, N. Y. Filed June 7, 1921. Serial No. 475,662. 2 Claims. (Cl. 211-14.)



1. A rack comprising two flat upstanding similar frames, each frame comprising two vertically extending and upwardly converging channel members with the channel sides facing each other and each channel member having continuous parallel side flanges, a horizontally extending flat cross strip with its opposite ends downturned to form flanges fitted between the side flanges of the channel members and coacting therewith to resist any tendency of the cross-strip to become distorted, fastening means passed through the downturned flanges of the cross-strip and through the trough of the channel members to secure the cross-strip to the channel members, the cross-strip of one frame lapping the corresponding strip of the other frame and means for connecting the cross-strips to permit one frame to fold relative to the other.

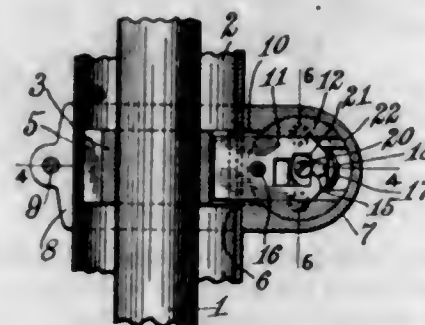
1,518,149. APPARATUS FOR BUILDING STRUCTURES. BENNETT KAY, Indianapolis, Ind. Filed June 21, 1921. Serial No. 479,268. 14 Claims. (Cl. 25-131.)



5. An apparatus for building a structure, comprising a plurality of vertical supporting members, said members being formed of a plurality of sections adapted to be superimposed one upon the other, joints between said sections having spherical abutting bearing surfaces between said sections, and means whereby the superimposed sections may be adjustably aligned and locked in position.

10. An apparatus for building a masonry structure, comprising vertical members, a transverse form-supporting member movably supported on said vertical members, said transverse member having a section adapted to resist lateral deflection and shaped so that a molding form may be supported from it from either side, and means for reinforcing said section of said transverse member for resisting vertical deflection.

1,518,150. AUTOMOBILE LOCK. JOSEPH N. KELLY, Dayton, Ohio. Filed Mar. 8, 1920. Serial No. 364,177. 9 Claims. (Cl. 70-90.)

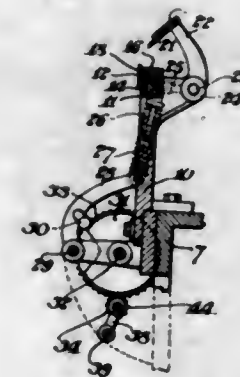


8. The combination with a tubular structure, and a rotatable member mounted therein and having a locking recess, of a lock housing mounted on said structure, a plate closing one end of said housing and provided with a guideway extending lengthwise thereof, a bolt slidably mounted in said guideway and adapted to enter the recess in said rotatable member, and a bolt actuating device mounted in the other end of said housing and operatively connected with said bolt.

1,518,151. BOX-COVERING MACHINE. WILLIAM L. KENNEDY, Philadelphia, Pa., assignor, by mesne assignments, to Schuch Machine Company, Philadelphia, Pa., a Copartnership comprising Cornelius F. Schuch and Frank A. Duckett. Filed May 23, 1922. Serial No. 563,142. 2 Claims. (Cl. 164-43.)

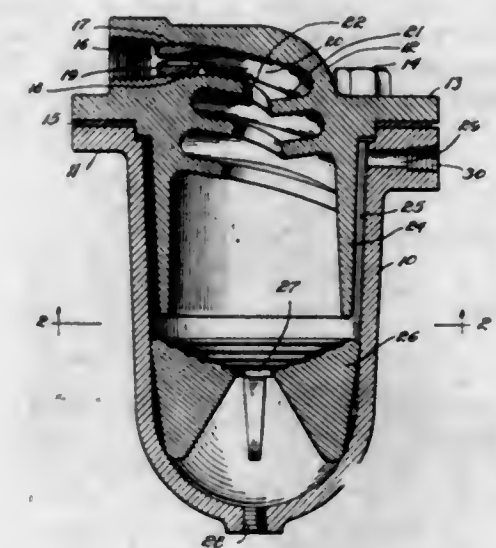
1. In a box covering machine, the combination of a supporting bracket, a horizontal stationary bar connected thereto, a knife loosely supported by the bar, a

frame pivotally mounted on said bracket, and carrying a knife rigid therewith normally above but adapted to cooperate with the first mentioned knife when said two knives are brought into closely approximate vertical



planes, with the stationary knife between the movable knife and its axis of movement, and means for operating the movable knife.

1,518,152. AIR SEPARATOR. RALPH H. KINGDON, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed June 18, 1923. Serial No. 645,944. 7 Claims. (Cl. 183-81.)

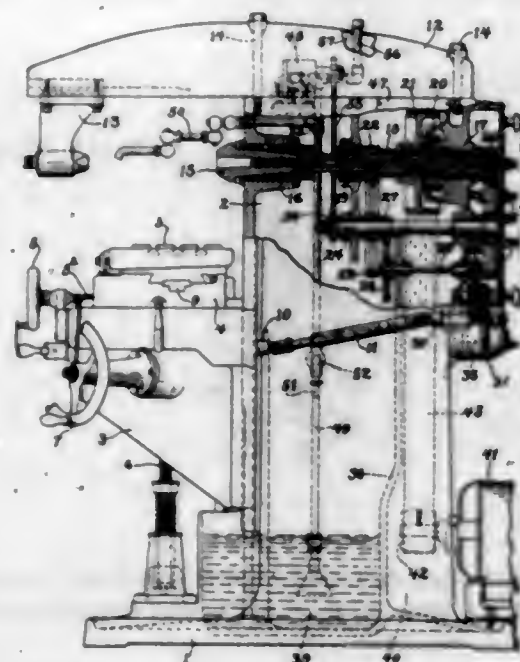


1. An air separator having, in combination, a head, an intake passage in said head, a jet nozzle having a restricted opening in said passage, a cylindrical flange formed on the underside of said head, a bowl secured to the underside of said head and loosely surrounding said cylindrical flange, a conical spiral passage in said head connecting said intake passage with the interior of said bowl, a baffle member in the lower end of said bowl, means for draining said bowl, and an exhaust passage communicating with the upper interior of said bowl.

1,518,153. MILLING MACHINE. JERRY J. LA DUCER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 28, 1921. Serial No. 518,329. 17 Claims. (Cl. 90-18.)

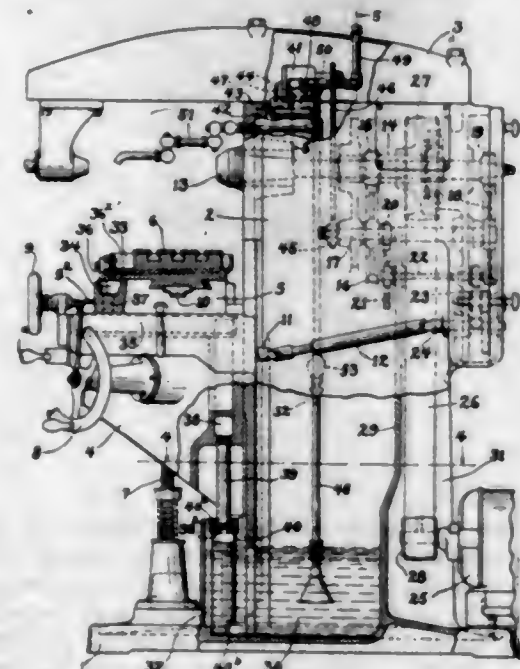
1. In a machine of the class described, the combination of a column, a spindle rotatably supported therein, a sleeve loosely and concentrically mounted over the spindle and supported in spaced bearings in the column in-

dependently of the spindle, a shaft in the column parallel with the spindle and sleeve, two gears secured to the shaft, two gears on the spindle and sleeve respec-



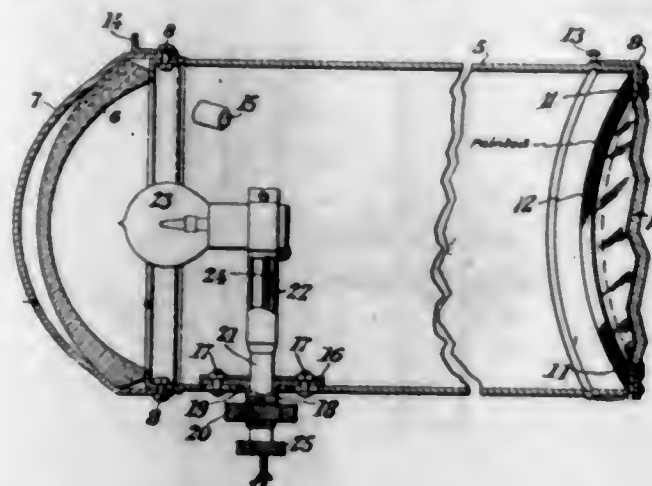
tively meshing with the said two gears on the shaft whereby to drive the spindle from the sleeve, and power means for driving the sleeve.

1,518,154. MILLING MACHINE. JERRY J. LA DUCHE, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 28, 1921. Serial No. 518,330. 21 Claims. (Cl. 90-11.)



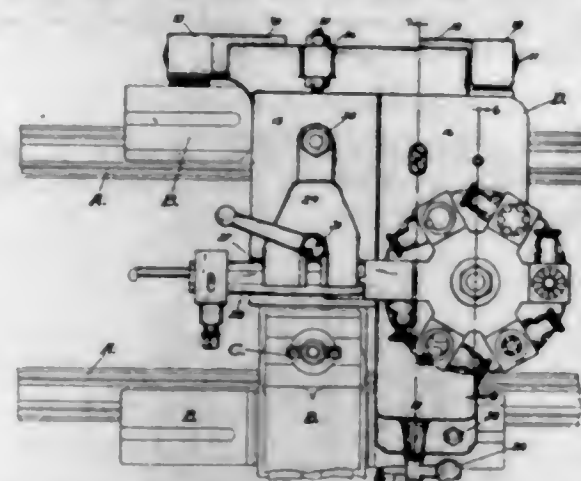
1. In a milling machine, the combination of a support provided with a trough therein, a saddle lineally adjustable on the support and provided with a trough therein, the saddle trough having an opening therefrom positioned over the first trough in all positions of saddle adjustment, a work table lineally movable on the saddle and provided with a trough therein, the table trough having an opening therefrom positioned over the saddle trough in all positions of table movement, and a reservoir into which the first named trough empties, the arrangement being such that a coolant flowing on the work table will in all positions of the work supporting mechanism be conducted through the several troughs and openings to the reservoir.

1,518,155. LIGHT PROJECTOR. STATES LEE LEBBY, Corning, N. Y. Filed Aug. 1, 1922. Serial No. 578,963. 6 Claims. (Cl. 240-44.)



1. In a light-projecting device, the combination of a light source, a concentrating reflector for projecting a signal beam to a distance, a casing containing the light source and reflector, and having an optically open end along the path of the beam, and a target forming a part of the light-projecting device and having an opening of a diameter substantially equal to the normal diameter of the projected beam at the target, for indicating the spread of the beam.

1,518,156. TURRET ATTACHMENT FOR LATHES. ARTHUR J. LIBERT, Green Bay, Wis. Filed Sept. 18, 1923. Serial No. 663,368. 5 Claims. (Cl. 20-48.)

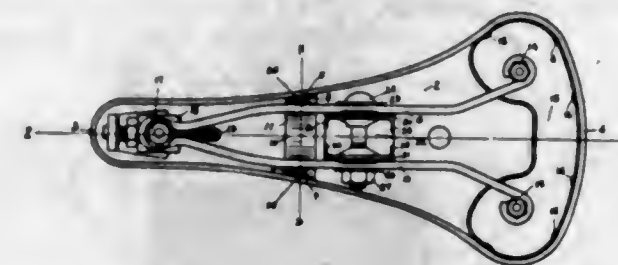


1. A turret attachment for lathes, comprising a base plate adapted to be connected to a carriage of the lathe for vertical swinging movement, a saddle slidably fitted upon the base plate, and having a platform, a rotatable turn table on the platform, a plurality of tool holders concentrically arranged upon the table, and each adapted to swing from normal vertical position to horizontal working position onto the saddle, means for fastening the tool holder on the saddle, and means for locking the tool holders in raised vertical position.

1,518,157. SADDLE. ANDREW J. LINDER, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Feb. 10, 1921. Serial No. 443,797. 6 Claims. (Cl. 208-15.)

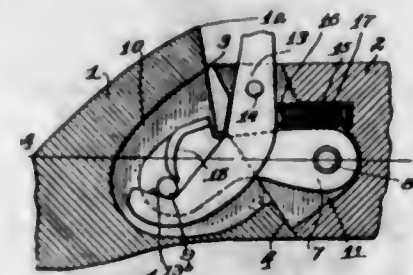
1. In a saddle, the combination with an upper seat member composed of leather or like material, a supporting member for the said saddle secured at one end to the cantle and at the other end to the pommel thereof, means to secure the said member at an intermediate point to a vehicle, said member exerting a longitudinal tension upon the leather seat between the said pommel and cantle portions, downwardly depending sides for the said seat and a metallic reinforcement for each of

the said sides, said reinforcement for each side being secured at a plurality of points substantially distant from each other, said points being located one above the other, said metallic reinforcement when the middle



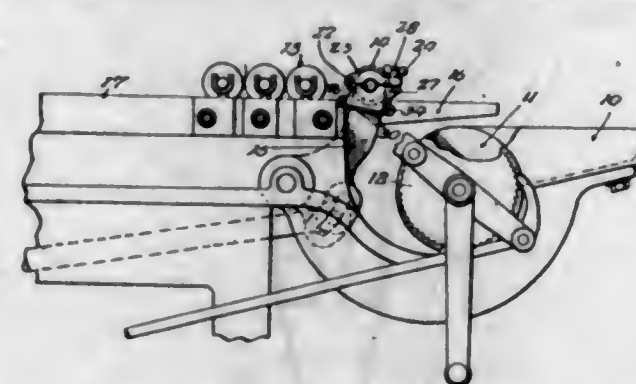
portion of the saddle is loaded being under compressive stress to prevent the sagging of the saddle at such mid point, the lower portions of each seat side being under tensile stress between the pommel and cantle portions to support the said metallic reinforcement.

1,518,158. LAST. HENRY F. LOEWER, Rochester, N. Y. Filed Aug. 14, 1922. Serial No. 581,615. 7 Claims. (Cl. 12-136.)



1. A last comprising a fore-part and a heel part having meeting edges which permit the movement of the forward portion of the heel part upwardly with reference to the rear portion, bonding means pivotally connected to the heel part and to the forepart, and detaining means pivotally mounted on one of said parts at a point eccentric to the pivot of the bonding means on such part and utilizing the pivot of the bonding means on the other part as an abutment for locking the two parts against relative movement.

1,518,159. INK-ROLLER ATTACHMENT. GEORGE H. LUND, Chicago, Ill. Filed June 11, 1923. Serial No. 644,636. Renewed Oct. 27, 1924. 6 Claims. (Cl. 101-344.)



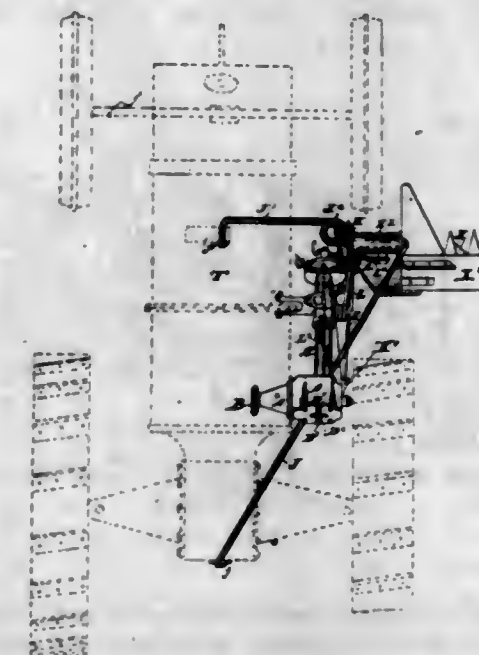
1. A shaft, a bearing in which the shaft is freely rotatable, pivotally connected members between which the shaft extends, fastening means for the members, said fastening means operating to clamp the said members upon the shaft and adapted to vary the stress of the said members upon the shaft, and anchoring means for maintaining the said members against rotation with the said shaft, the last recited means including anchoring means carried by one of the said members for securing the said members to the bearing.

1,518,160. MILK DIPPER. PHILIP V. O'HARA, Ann Arbor, Mich. Filed Feb. 28, 1924. Serial No. 695,658. 3 Claims. (Cl. 137-18.)



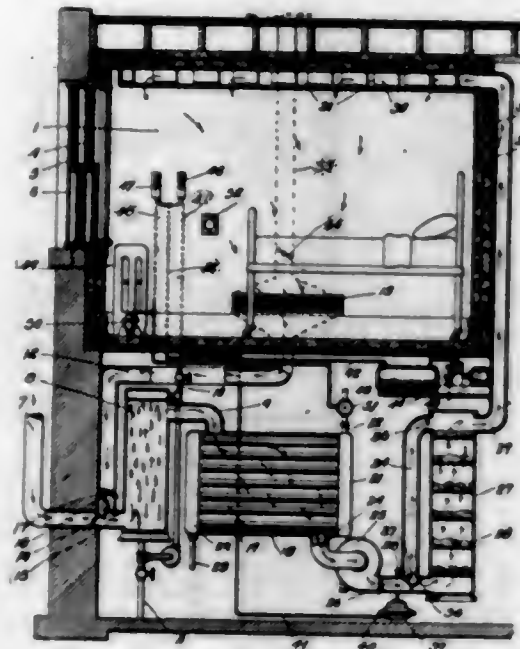
1. A testing device of the class described, comprising a container having an outlet opening in its bottom, an upwardly opening valve closing said opening, a handle for the container, a tube connected with the handle and communicating with the top of the container, a cock at the upper end of the tube and a bulb secured to the top of the tube for forcing the milk from the container.

1,518,161. TRACTOR. RALPH B. OTWELL, Detroit, Mich. Filed May 9, 1921. Serial No. 467,817. 11 Claims. (Cl. 56-25.)



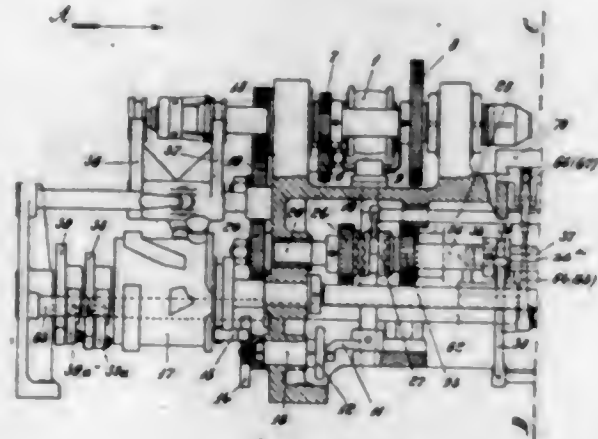
1. In a tractor fitted with a power take-off gear, a casing within the tractor, an extension shaft geared to the power take-off gear, a casing extension projecting beyond the tractor in which the extension shaft is journaled integral with the casing having a lateral extension therefrom to receive a driven member, a driven member journaled in the lateral extension of the casing geared to the extension shaft, a clutch slidable in the extension casing for connecting and disconnecting the gearing of the extension shaft with the gearing of the driven member, and a mowing machine attachment including a cutter bar having operative connection with the driven member.

1,518,162. COOLING ROOM FOR HOSPITALS. THOMAS PARKINSON, Topeka, Kans. Filed Apr. 14, 1922. Serial No. 552,736. 4 Claims. (Cl. 236-44.)



1. The combination with an air supply, an air washer in series therewith, an air cooler in series with the air washer, a dehydrator in series with the air cooler, an air impeller between the air cooler and the dehydrator, means for distributing the air from the dehydrator to a room, means for by-passing air from the impeller around the dehydrator, and a hydrostatically controlled means for rendering the last named means effective and ineffective.

1,518,163. AUTOMATIC TURRET LATHE. OTTO PAWLOWSKI, Berlin, Germany. Filed July 17, 1920. Serial No. 397,133. Renewed Mar. 24, 1924. 11 Claims. (Cl. 29-43.)

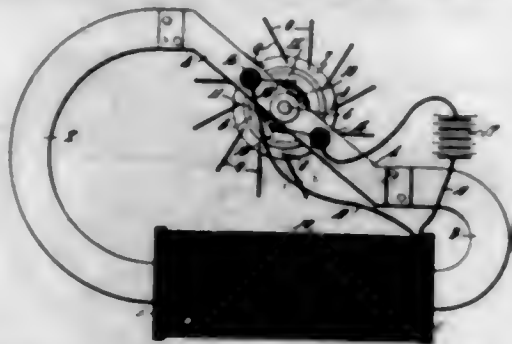


1. In an automatic turret lathe, the combination of a main drive shaft; a change speed gear for driving said main drive shaft at different speeds for cutting and idle running; a turret; a controlling shaft for the turret; a variable speed, friction gear between the main drive shaft and the turret controlling shaft; a main controlling shaft; and a cam device mounted on the main controlling shaft and effecting the adjustment of the variable speed friction gear.

1,518,164. MAGNETIC MOTOR. CHARLES C. POWERS, Big Creek, Calif. Filed Feb. 27, 1924. Serial No. 695,546. 2 Claims. (Cl. 172-36.)

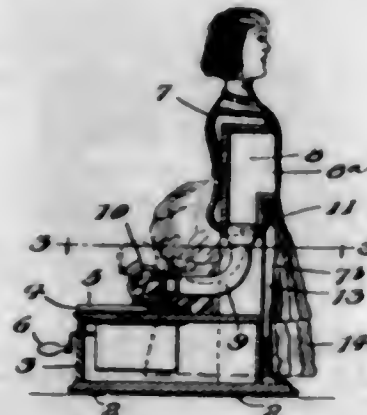
1. In a motor comprising a magnet having hook-like ends in combination with a rotor mounted between the

ends, the ends of said magnet constituting polar projections, said polar projections extending in a direction approximately tangential to the periphery of the rotor,



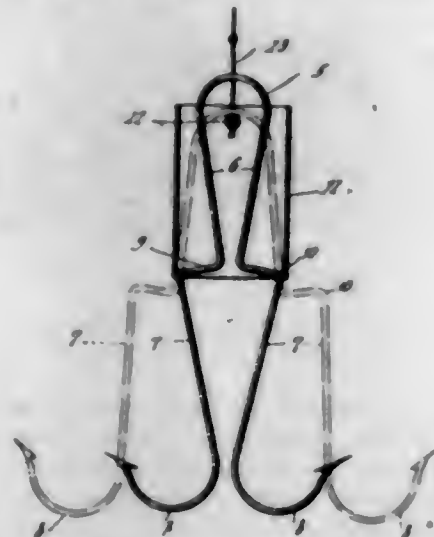
said rotor including rings of magnetic material and blades of magnetic material projecting from said rings around the periphery thereof.

1,518,165. TALKING OR SINGING DOLL AND OTHER FIGURE OR STATUETTE. CHARLES E. RICHARDSON, Syracuse, N. Y. Filed Jan. 12, 1922. Serial No. 528,785. 8 Claims. (Cl. 46-40.)



1. A figure toy comprising a figure, a talking machine, and a common carrier for the figure and machine, said figure embodying and enclosing a tone amplifier and provided with an exterior tone arm leading to said amplifier from the tone reproducing means, said machine being located behind and exteriorly arranged and accessible with respect to said figure and provided with tone reproducing means in direct communication with said amplifier.

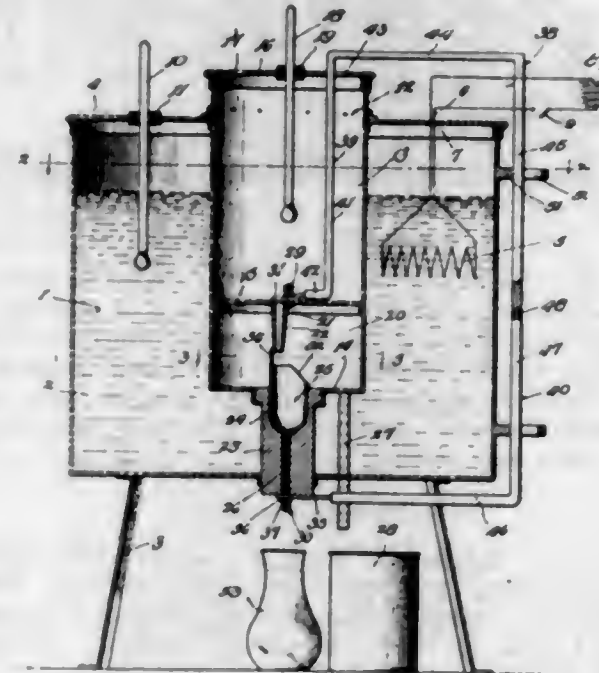
1,518,166. FISHHOOK. WARREN JACKSON SHARP, Meridian, Miss. Filed May 31, 1924. Serial No. 717,038. 1 Claim. (Cl. 43-36.)



In a fish hook, a body portion including leg members, constructed to move outwardly, said leg members having hooks formed at their free ends, said leg members having shoulders formed intermediate their ends, a guard mem-

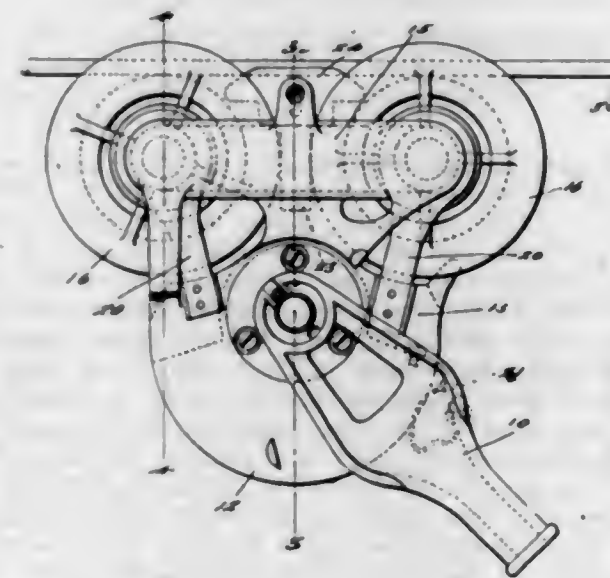
ber positioned on the body portion, a pin connecting the walls of the guard member and disposed between the legs of the hook, said hook adapted to move into engagement with the pin to restrict movement thereof, and said shoulder adapted to engage one end of the guard to restrict movement of the leg members after they have expanded to their active positions.

1,518,167. VISCOSIMETER. CHARLES L. TSENG, Cambridge, Mass. Filed Sept. 12, 1922. Serial No. 587,754. 4 Claims. (Cl. 265-11.)



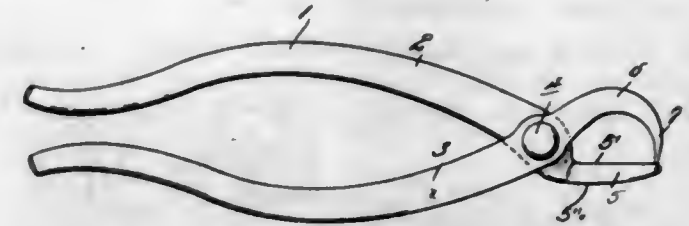
1. A viscosimeter comprising a reservoir having a discharge opening therein, a pipette arranged to receive liquid discharged from the reservoir, valves controlling the flow of liquid from the reservoir to the pipette and from the pipette, and means operable to simultaneously actuate the valves.

1,518,168. TROLLEY WHEEL. ADRIAN C. VAN HOOYDONK, Monroe, Mich. Filed Aug. 11, 1922. Serial No. 581,195. 9 Claims. (Cl. 191-58.)



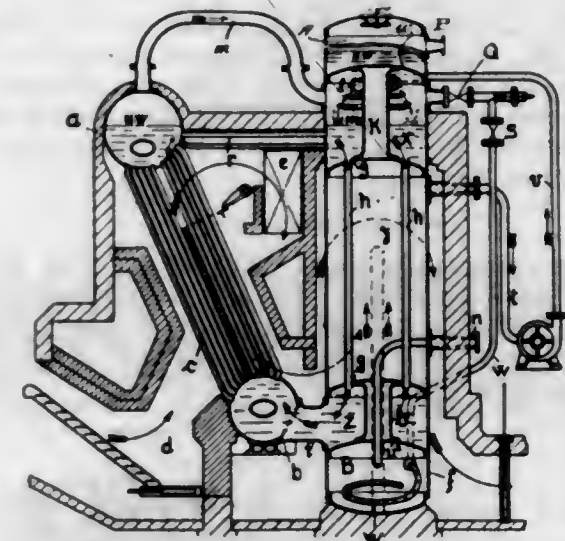
1. A trolley embodying a carrier, spaced conductor wire engaging wheels carried thereby, a socketed extension located upon the carrier between the wheels, a shoe also located between the wheels and having a sliding contact with the wire, a shank carried by the shoe for sliding engagement within the socketed extension and means for yieldingly forcing the shoe upwardly.

1,518,169. COTTER-PIN EXTRACTOR. JOHN GRAY WARRINGTON, Dansville, N. Y. Filed May 14, 1923. Serial No. 638,740. 1 Claim. (Cl. 81-3.)



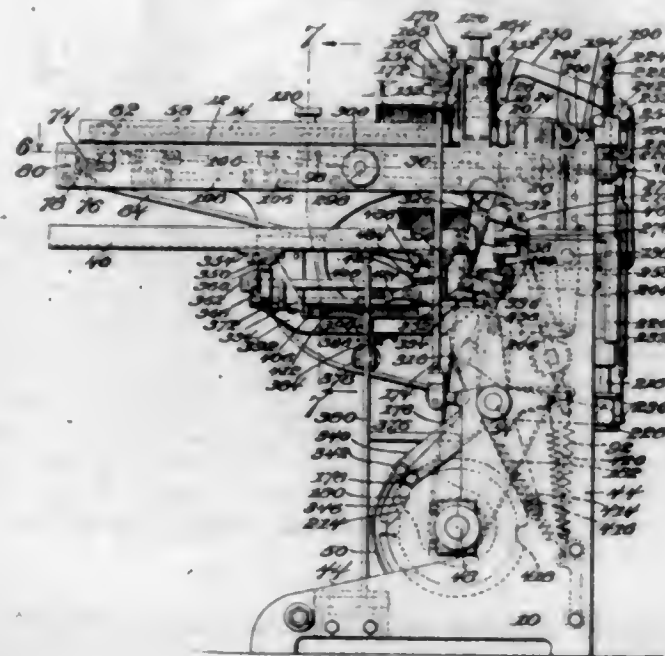
A tool for extracting cotter pins comprising handles pivotally connected together, one of the handles being provided at its working end with an elongated lip which is substantially ovate in plan and provided with a plane inner surface and a convex outer surface, the other handle having at its working end a substantially arcuate hook provided at one side with a flat surface and at its opposite side with a convex surface, the pointed end of the hook being inwardly disposed and adapted to engage upon the plane surface of the lip at a point within the edge of the smaller end thereof.

1,518,170. BOILER PLANT WITH ONE OR SEVERAL FRONT AND REAR BOILERS. ALBERT WINANDS, Magdeburg, Germany. Filed Mar. 13, 1923. Serial No. 624,820. 1 Claim. (Cl. 122-44.)



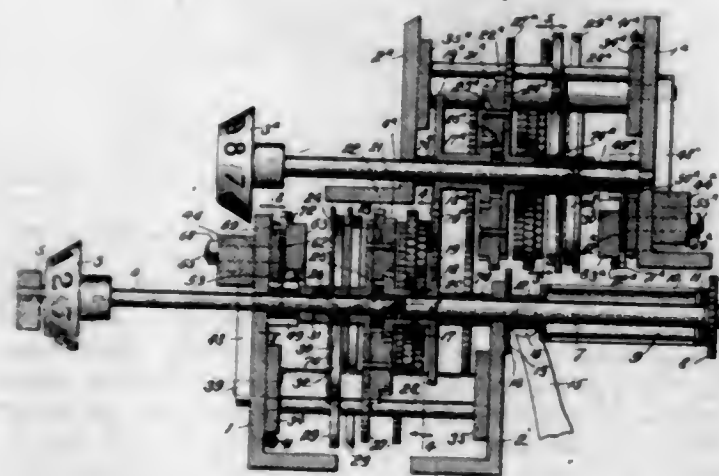
A steam boiler comprising upper and lower drums, water tubes for connecting said drums, a vertical drum having a top, a bottom and a central compartment, boiler compartments between the top, bottom and the central compartments, a way for connecting the lower boiler compartment with the lower drum, means positioned below the normal water level of the upper drum and the upper boiler compartment for establishing water communication between the upper drum and the upper boiler compartment, a pipe connection for steam between the upper portion of the upper drum and the upper portion of the upper boiler compartment, a water supply for the vertical drum, means for taking water from the central compartment of the vertical drum and delivering the same into the upper boiler compartment, an exit for the top compartment of the vertical drum, an exit opening for the upper boiler compartment and a discharge pipe attached thereto, a branch pipe connected to the discharge pipe, the same terminating within the lower compartment of the vertical drum, and a valve interposed in said branch pipe.

1,518,171. MACHINE FOR OPERATING UPON BLANKS OF SHEET MATERIAL. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 15, 1919. Serial No. 338,284. 19 Claims. (Cl. 69-13.)



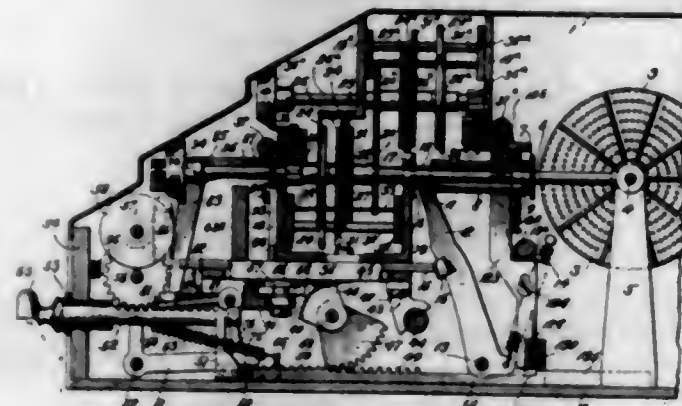
1. A machine for operating upon blanks of sheet material having, in combination, a support for a stack of blanks, intermittently actuated means for yieldingly feeding the stack across the support, means for periodically withdrawing a blank from the advance end of the stack in the direction of feed, a skiving knife, and means for forcing each blank withdrawn from the stack against the knife.

1,518,172. COMPUTING MACHINE. GEORGE M. BACON, Salt Lake City, Utah, assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah, a Corporation of Utah. Filed Sept. 9, 1921. Serial No. 499,451. 14 Claims. (Cl. 235-61.)



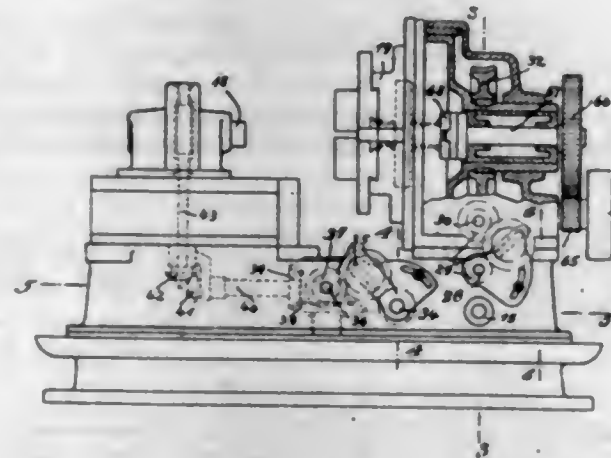
1. In a computing machine, the combination of a plurality of register wheels, interconnected by transfer mechanism comprising planetary gears and Geneva wheels and their actuators, and means for simultaneously moving all of said Geneva wheels out of engagement with the respective actuators while they remain geared to the planetary gears.

1,518,173. COMPUTING MACHINE. GEORGE M. BACON, Salt Lake City, Utah, assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah, a Corporation of Utah. Filed Sept. 9, 1921. Serial No. 500,293. 37 Claims. (Cl. 235-61.)



3. In a computing machine of the character described, the combination with product dials, of a clearing pull bar for restoring said dials to zero, means for locking said bar against clearing movement, a multiplicant carriage movable transversely of the machine and means mounted on said carriage for unlocking said clearing pull when said carriage is in neutral position.

1,518,174. MACHINE FOR SHAPING THE TEETH OF BEVEL WHEELS BY GENERATING MOVEMENTS. ROBERT CURT BARTH, Hamburg, Germany. Filed June 16, 1923. Serial No. 645,853. 11 Claims. (Cl. 90-9.)

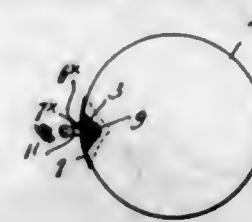


1. A machine for shaping the teeth of gearings by generating movements, comprising, a blank carrier, means to rotate the blank carrier and a blank carried thereby, about the axis of the blank, cutters, a face plate carrying the cutters, means to rotate the face plate about its axis and in synchronism with the rotation of the blank, said axes being fixed in space, means to reverse rotary movement of both the blank and the face plate after operation thereof, means to cause backward movement of the face plate and to interrupt the backward movement when the cutters disengage from the blank, means to rotate the blank backwardly for not less than one length of the pitch after disengagement of the cutters, and means to again rotate both the blank and the face plate, after the said backward rotation of the blank after disengagement of the cutters.

1,518,175. BROKEN-LENS CAP. HERMAN C. BUSCH, Denver, Colo. Filed Oct. 4, 1922. Serial No. 502,209. 1 Claim. (Cl. 88-42.)

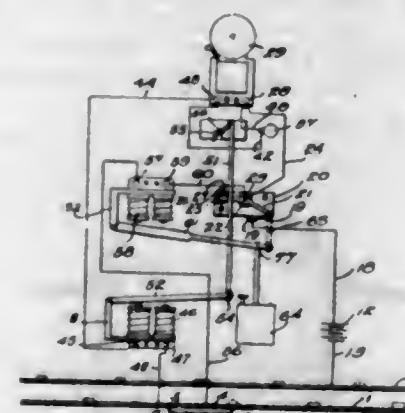
A device of the character described comprising an arcuate channel-shaped member adapted to embrace one

edge of an eye glass lens and having a transverse notch, arms adapted to be connected with the nose piece of an eye-glass frame, lugs carried thereby to be received in



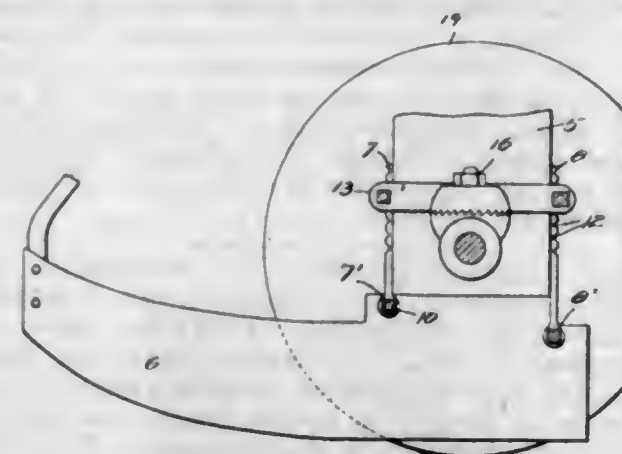
the notch, and a fastening passing through the side walls of the channel-shaped element and adapted to pass through the lens.

1,518,176. SIGNAL. GEORGE W. CAMERON, Hondo, Tex.; Mollie E. Cameron executrix of the said George W. Cameron, deceased. Filed Aug. 7, 1922. Serial No. 580,280. 6 Claims. (Cl. 246-129.)



1. A crossing signal for railroads comprising a normally inoperative signal member, electrically operated control means for rendering said signal member operative on the approach of a train, means for returning said signal to inoperative condition, a normally closed circuit breaker in the circuit of said control means, means for opening said circuit breaker upon the passage of a train, and means for retarding the return of said circuit breaker to closed position.

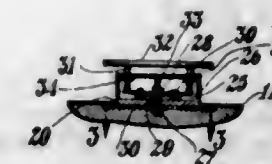
1,518,177. CULTIVATOR-DISK ATTACHMENT FOR PLANTERS. HERBERT W. CARPENTER, Byers, Tex. Filed May 27, 1924. Serial No. 716,189. 1 Claim. (Cl. 111-85.)



In combination with a planter chute, bar members arranged vertically at the front and rear sides of the chute and being formed upon their outer faces with cross channels, strip members arranged cross wise of the chute upon the remaining sides thereof and adapted to be secured together by cross bolts, said cross bolts adapted

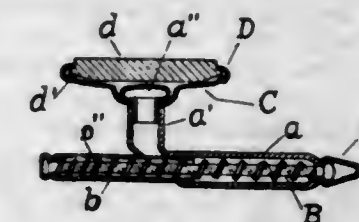
to be arranged in selective channels of the bars whereby said strips are secured in vertically adjusted positions upon said chute and disk cultivators pivotally secured to said cross strips.

1,518,178. GAME. JOSEPH CHEFKO, New York, N. Y., assignor to Helen Chefko, New York, N. Y. Filed Dec. 5, 1922. Serial No. 605,025. 6 Claims. (Cl. 46-21.)



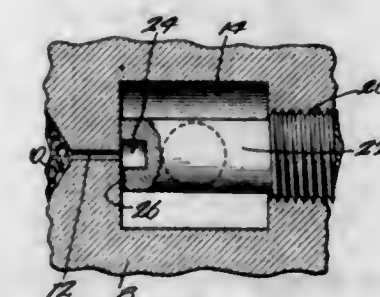
1. In combination, a gameboard formed with a series of sockets, and a playing piece comprising a hollow body, and a pin carried by said body, and adapted to engage in any of said sockets or be drawn up into the said body.

1,518,179. BUTTON OR STUD. EDWARD FOSTER CLARK, North Attleboro, Mass., assignor to W. G. Clark & Co., Inc., North Attleboro, Mass., a Corporation of Massachusetts. Filed May 29, 1924. Serial No. 716,777. 3 Claims. (Cl. 24-100.)



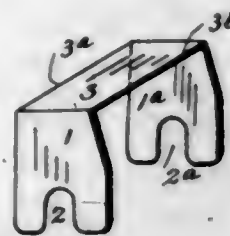
1. In a button or stud, a tubular shank; a hollow button mounted for universal movement upon the end of said shank having a perforation angular in outline in its back member the shank extending through the perforation into the hollow button and having a retaining flange within the button, substantially as described.

1,518,180. EXPANSION VALVE. GEORGE J. COOKE, Chicago, Ill. Original application filed Apr. 2, 1923. Serial No. 629,392. Divided and this application filed June 6, 1924. Serial No. 718,348. 3 Claims. (Cl. 251-159.)



1. An expansion device comprising a casing containing a chamber having an inlet and an outlet in communication therewith, a valve extending into said chamber, containing a passage opening thru an end of the valve into said inlet and opening thru the side of the valve into said chamber, said valve being adapted to be adjusted into position in which its passage opens at both ends into said chamber.

1,518,181. KNIFE-SHARPENER ATTACHMENT. OSCAR C. CRAVER, Philadelphia, Pa. Filed July 18, 1924. Serial No. 726,700. 3 Claims. (Cl. 76-87.)

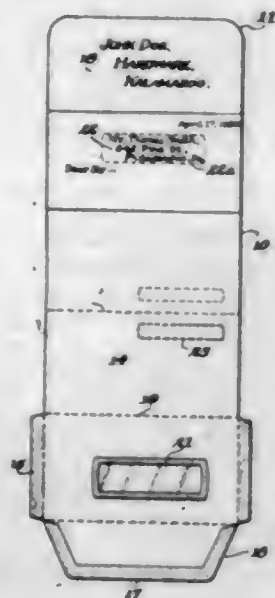


1. In combination with a sharpener comprising two series of overlapping discs loosely mounted upon parallel axes; a supporting device arranged to span a series of discs with parallel pivot members thereof mounted upon the corresponding axes, and a connecting plate between said members either edge of which is adapted to contact with the peripheral edges of the opposed series of discs; the opposite contact edge of the connecting plate being differently projected so as to provide different contact angles, said device being reversely mountable and adapted to thereby vary the contact angle.

1,518,182. PROCESS OF MAKING ALKYL CHLORIDES. GEORGE O. CURME, JR., Clendenin, W. Va., assignor to Carbide & Carbon Chemicals Corporation, a Corporation of New York. Filed May 17, 1922. Serial No. 561,715. 3 Claims. (Cl. 260-166.)

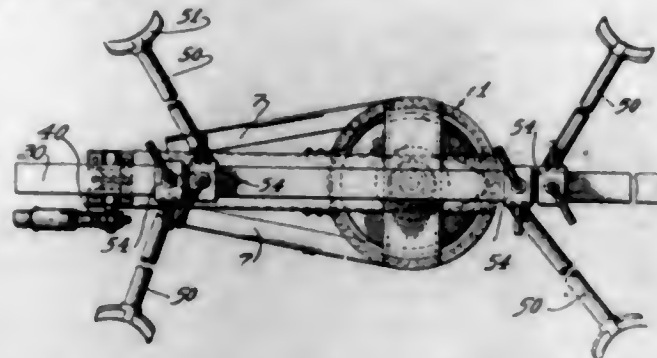
1. Process of making alkyl chlorides which comprises causing hydrochloric acid to react on olefines under anhydrous conditions and under superatmospheric pressure.

1,518,183. COMBINED ENVELOPE AND LETTER SHEET. EDWARD L. DAILEY, Berg, N. Dak. Filed July 9, 1923. Serial No. 650,440. 1 Claim. (Cl. 229-92.1.)



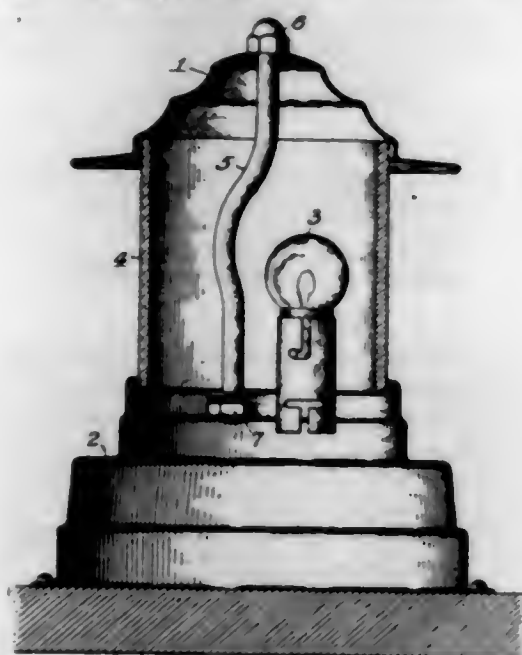
In a combined letter sheet and envelope, an elongated sheet of paper folded back upon itself near one end to define the front and rear panels of an envelope, said sheet being provided near said end with lateral extensions constituting end flaps for the envelope, gummed and stuck onto the rear side of the rear panel, the terminal of said end portion of the sheet constituting the sealing flap, the rear panel being provided with perforated lines defining a strip adapted to be torn out to permit signing of the message subsequent to folding of the sheet and disposition thereof within the envelope.

1,518,184. APPARATUS FOR HANDLING LOOSE MATERIAL. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 29, 1921, Serial No. 488,333. Renewed May 3, 1924. 19 Claims. (Cl. 37-115.)



1. In combination with a draft operated scraper, a frame having a curved forward portion adapted to provide a lateral bearing for said scraper and means extending laterally above said curved bearing portion for supporting said frame with respect to fixed abutments.

1,518,185. SIGNAL LANTERN. WILLIAM J. DENNING, Chicago, Ill. Filed Oct. 8, 1923. Serial No. 667,214. 3 Claims. (Cl. 240-7.)



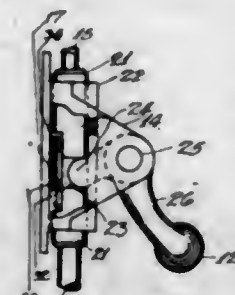
1. In a signal lantern of the type described, the combination of a base member, a cap member, an intermediate shell of transparent material, and a connecting member, arranged in the interior of said shell, the upper end of said connecting member passing centrally through the cap member, a removable nut engaging the upper end of the connecting member and bearing centrally upon the cap member, and the lower portion of said member having connection with the horizontal web of the base member aforesaid, the aforesaid connecting member and nut constituting the sole means of connection for the lantern parts.

1,518,186. AGGLOMERATION OF POWDERED OR FINELY CRUSHED MATERIALS, MORE PARTICULARLY FUEL, BY MEANS OF PITCH. HENRI DU BOISTESSELIN, Rouen, FRANCE, and LEON HERTENBEIN, Levallois-Perret, France, assignors of one-fifth to Octave Dubois and one-fifth to Léon Varnier, both of Rouen, France. Filed May 7, 1923. Serial No. 637,390. 4 Claims. (Cl. 44-10.)

1. A process for the agglomeration of powdered or finely crushed materials, and more particularly fuels, consisting in suspending pitch in water, so as to form a pseudo-solution, in mixing, whilst cold, the materials to be agglomerated with a suitable proportion of said pseudo-solution, in compressing said mass, and drying

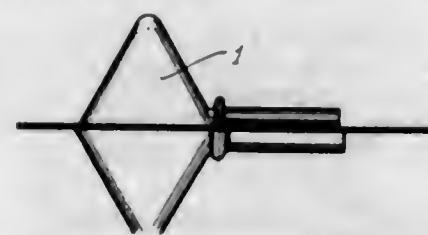
by heat the agglomerates obtained, at a temperature of about 200-250° C. adapted to ensure distillation and removal of the volatile products of the pitch.

1,518,187. DOOR LOCK. HARRY W. DYER, East Orange, N. J. Filed June 1, 1922. Serial No. 565,156. 2 Claims. (Cl. 292-92.)



1. In a door lock of the class described, the combination of a vertical sliding bolt at the top and bottom of said door, a rod with an enlarged cylindrical section connecting said sliding bolts, a cylindrical casting for housing said section secured to said door, a side bolt for said door, a flat side formed on said enlarged section, a motion plate operatively connected with said flat side and arranged to operate said side bolt, said motion plate being enclosed by said cylindrical casting.

1,518,188. METHOD OF AND APPARATUS FOR CASTING. ERNEST D. EKSTEDT, East St. Louis, Ill. Filed Oct. 4, 1922. Serial No. 592,303. 5 Claims. (Cl. 22-194.)

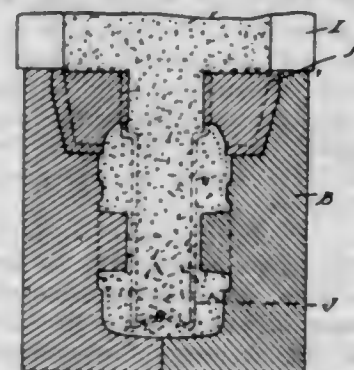


1. The herein-described method of forming green sand cores for drying consisting in uniting a plurality thereof together with green sand and forming a base at such juncture adapted to rest on the same level as the cores.

1,518,189. POROUS COMPOSITION OF MATTER. JOHN THOMPSON ELLIS, Kalgoorlie, Western Australia, Australia, assignor, by mesne assignments, to John Duncan Whyte, Perth, Australia. Filed Jan. 17, 1923. Serial No. 613,310. 3 Claims. (Cl. 106-34.)

3. A process of forming a porous composition of matter comprising mixing together plaster of Paris, ground charcoal, calcined asbestos, and boric acid, then adding water containing ammonia until a homogeneous paste is obtained and finally pouring such pasty mixture into moulds.

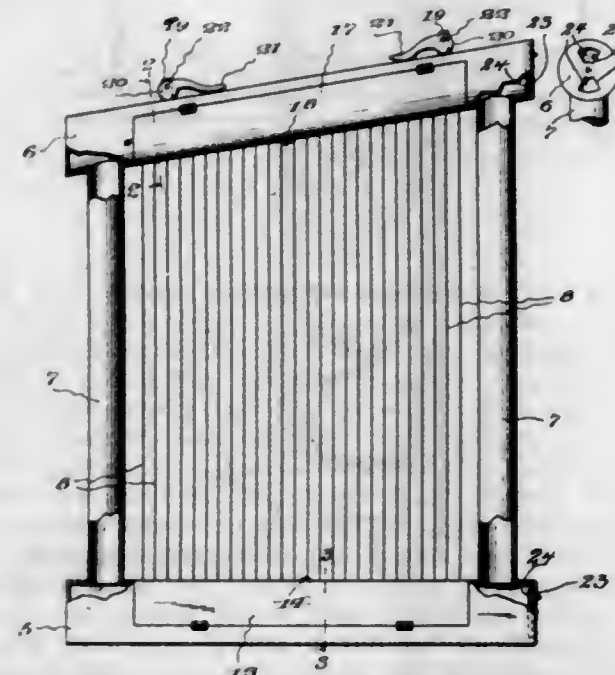
1,518,190. METHOD OF CASTING HOLLOW WARE OF ALUMINUM. HOWARD EMERY, Detroit, Mich., assignor to The Chas. B. Bohn Foundry Co., Detroit, Mich., a Corporation of Michigan. Filed June 11, 1923. Serial No. 644,700. 16 Claims. (Cl. 22-126.)



1. The process of forming hollow castings of aluminum and like metals, which consists in first forming a

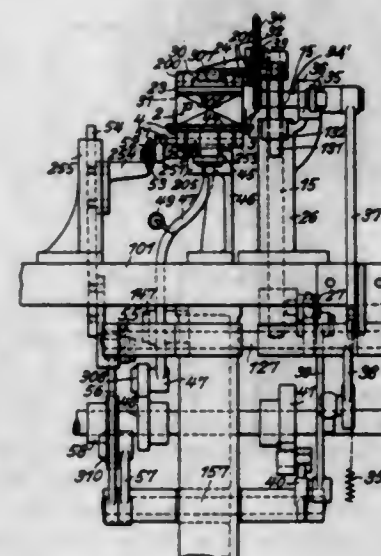
green sand core upon an arbor, engaging said arbor with a seat therefor in an outer mold, whereby the core is suspended within the mold cavity of said outer mold and in filling the mold cavity with the molten metal.

1,518,191. MUSICAL INSTRUMENT. ADELBERT G. FOLSOM, Chicago, Ill.; Robert W. Folsom administrator of said Adelbert G. Folsom, deceased. Filed Mar. 12, 1923. Serial No. 624,573. 3 Claims. (Cl. 84-264.)



1. In a musical instrument, a plurality of strings, supports for the ends of the strings, one of said supports being a movable rail, a chamber enclosing the rail, stems extending from the rail and projecting from the chamber, and levers having cam ends pivotally connected to the projecting ends of the stems and engageable with the wall of the chamber.

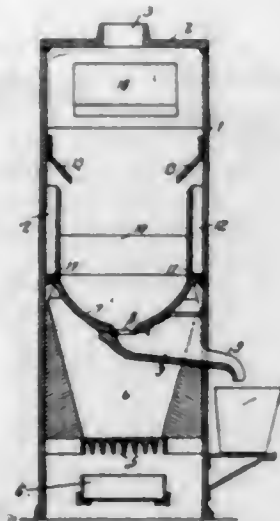
1,518,192. MACHINE FOR FOLDING PAPER BAGS. PAUL GANGLER, Esslingen, Germany. Filed May 15, 1922. Serial No. 561,037. 5 Claims. (Cl. 93-32.)



1. Machine for folding paper bags of angular cross-section comprising in combination, a bottom plate serving to support the bag to be folded, a shaft extending along either side of said plate, a folding plate removably secured to each shaft and adapted to be folded down upon said plate, a top plate adapted to be moved towards

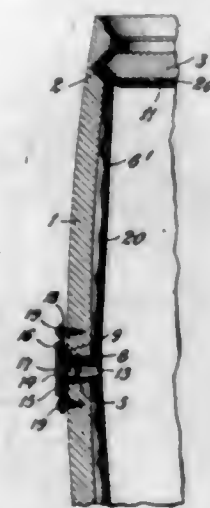
and away from said bottom plate, supports for said plates, means for exchangeably fastening said plates to said supports and means for varying the distance between said shafts.

1,518,193. SMELTING FURNACE. CARL GAUSCHE-MANN, Frankfort-on-the-Main, Germany. Filed Aug. 24, 1920. Serial No. 405,770. 7 Claims. (Cl. 263-12.)



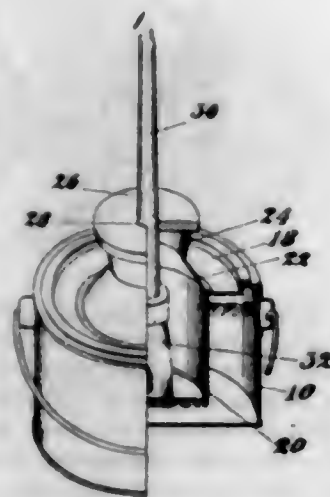
1. In a device of the kind described in combination, a furnace mantle, a melting pan surrounding by said mantle, flues for compelling the ascending heating gases to flow from above towards said pan, deflecting hoods above said flues, means for charging said pan from above and an opening, adapted to be closed, in said mantle in front of said pan.

1,518,194. CONTAINER. JAMES H. GRAVELL, Elkins Park, Pa. Filed Dec. 1, 1921. Serial No. 519,035. 16 Claims. (Cl. 217-3.)



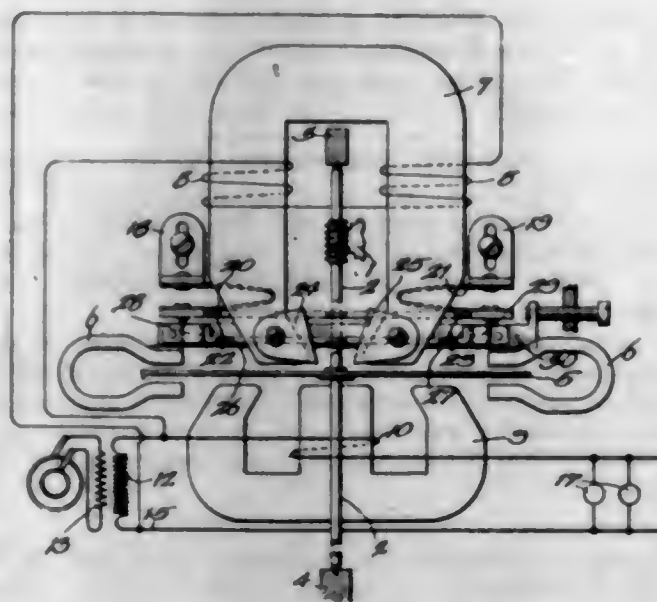
1. A container having a continuous lining of yielding elastic and expansible material like soft rubber made in sections and held in place and joined to one another to complete the lining and form a liquid-tight joint between the sections by pinching lapped surfaces of the material forming said sections between members of the container.

1,518,195. DISPENSING APPARATUS. HARRY D. HAMILTON, Winthrop, and CHARLES B. TIBBETTS, Walpole, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 29, 1920. Serial No. 420,442. 7 Claims. (Cl. 91-67.1.)



1. A dispensing apparatus comprising a container, and a cover therefor having a tubular portion with its wall inclined upwardly and inwardly outside the container.

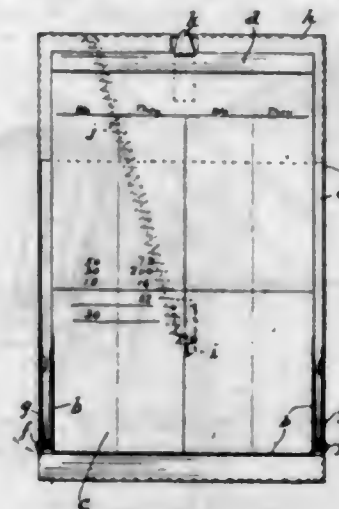
1,518,196. INDUCTION ELECTRICITY METER. JESSE HARRIS, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a Corporation of Illinois. Filed July 2, 1923. Serial No. 649,068. Renewed Apr. 28, 1924. 18 Claims. (Cl. 171-309.)



6. An induction electricity meter including an armature; a magnet system with which said armature is in inductive relation and including a current winding and a pressure winding; a conductor in secondary relation to the pressure winding; and a thermo-motive element in actuating relation to said secondary conductor for changing the inductive relation of said pressure winding and secondary conductor.

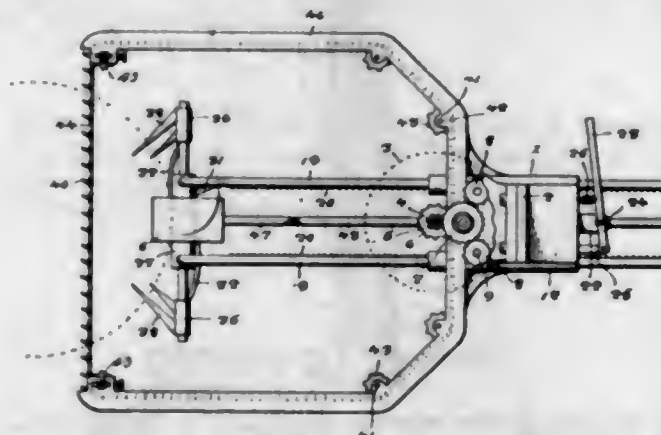
18. An induction electricity meter including an armature; current and pressure windings in inductive relation to the armature; and a thermo-motive device, responsive to changes in temperature in controlling relation to the phase displacement of the current and pressure fields and serving to maintain such displacement upon change in temperature.

1,518,197. HOLDER FOR SCORING PADS. CHARLES K. HARRISON, Jr., Baltimore, Md., and LOUIS RODMAN PAGE, Jr., Philadelphia, Pa. Filed Oct. 30, 1922. Serial No. 597,780. 8 Claims. (Cl. 46-55.)



1. Means for holding score pads, comprising a base, a pad holder, means affording a connection between said pad holder and base, whereby said pad holder may be extended at an angle to said base and rotated relative thereto.

1,518,198. SAWING APPARATUS. ISAAC J. HEARNE, Berlin, Md. Filed Sept. 28, 1923. Serial No. 665,448. 4 Claims. (Cl. 143-32.)



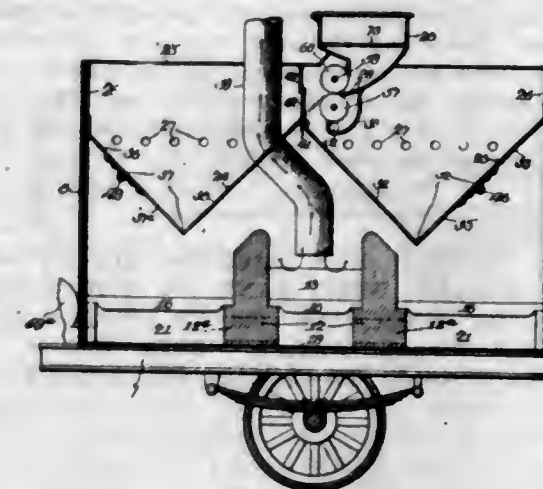
1. In a means for felling standing trees, rack bars, means supported therefrom susceptible to impinging engagement with a tree to be felled, a carriage slidable on the rack bars, an endless flexible saw supported thereon and extending therefrom, motor operated means for imparting movement to the saw, means associated with said operating means for sliding the carriage on the bars and lever operated means for rendering the last mentioned means inoperative, wedge means supported by the carriage for entering the kerf in the tree made by the saw, and means for locking the wedge means to the carriage for movement therewith.

1,518,199. FISHING LURE. IVAR HENNING, South Bend, Ind. Filed Aug. 26, 1920. Serial No. 406,206. 1 Claim. (Cl. 43-48.)



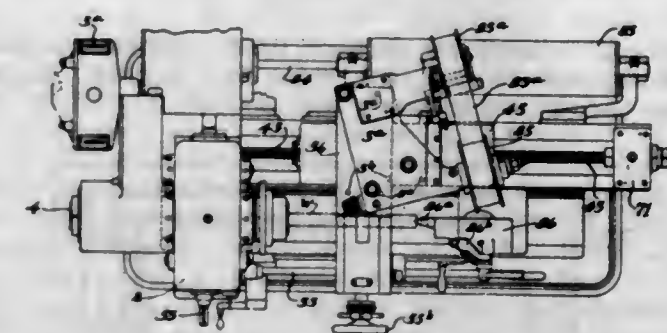
The combination with a fish hook, a shank carried by said fish hook, said shank being axially disposed in a slit in one side of a resilient body member, of a bend in said shank intermediate its ends in the plane of the shank and forming an offset portion, said offset portion being on the same side of the shank as the hook.

1,518,200. GARBAGE BURNER. DANIEL HERLIHY, Chicago, Ill. Filed May 15, 1924. Serial No. 713,387. 6 Claims. (Cl. 110-8.)



6. In a garbage burner, the combination with a casing, of means in its lower portion for the consumption of fuel, a smoke-stack leading from said fuel consuming means through the casing, a receiving hopper mounted on the casing and having an outlet located to discharge its contents thereinto and provided with perforations in its lower portion, of a pair of crushing rollers mounted one above the other at the outlet of the hopper, means to drive said rollers, a trough located under said rollers and the perforated portion of the hopper and having a discharge through said casing, a pair of receptacles located within the casing one of them below the outlet of the hopper and each having means for the passage therefrom of gases into the casing and each provided with an outlet, means for closing said outlets, and means co-operating with the outlet of the hopper to selectively shift the discharge therethrough into one or the other of said receptacles.

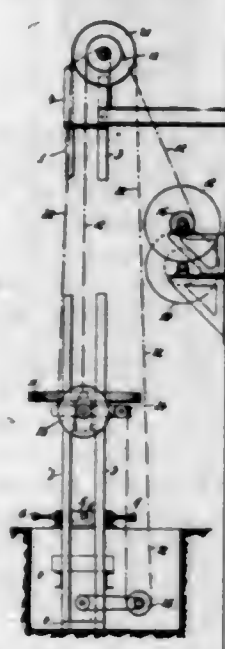
1,518,201. THREAD-HOBGING MACHINE. REUBEN HILL, Hartford, and EDWARD A. MOYER, West Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 3, 1920. Serial No. 378,463. Renewed May 6, 1924. 76 Claims. (Cl. 10-154.)



76. A screw thread hobbing machine comprising in combination, a base, a head thereon provided with a rotatable spindle adapted to carry either external or internal work, a carriage movable longitudinally relative to the spindle, a carrying member mounted on said carriage and movable transversely thereof, a hob spindle rotatably mounted in said carrying member, means whereby one of the spindles may be rotated in one direction or the other for operating on either external or internal work, means for moving said carrying member and said hob transversely of said carriage through a predetermined distance to move the hob to a predetermined depth into said work at the beginning of a cut and for returning it to its initial position at the end of the cut, means operatively connected to the spindle for feeding the carriage longitudinally in timed relation to the spindle rotation to cause the hob to cut a screw thread, means for quickly moving the carriage through a pre-

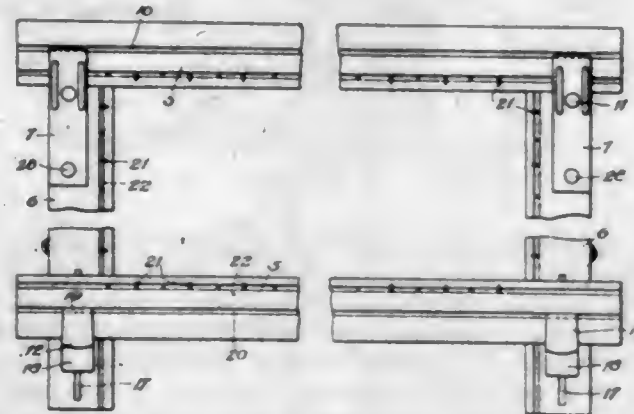
determined distance prior to a cut to bring the hob into cutting relation with either external or internal work mounted in said work spindle and for quickly returning said carriage to its initial inoperative position after the cut without disturbing the said operative connection to the spindle, and means dependent on the rotation of the spindle whereby the spindle rotation and the feeding movement of the hob are stopped after one and a fraction rotations of the work spindle.

1,518,202. DEVICE FOR PACKING OR STUFFING TUBES FILLED WITH SAND OR THE LIKE BY MEANS OF KNOCKING OR BEATING. JOHANN HOFFMANN, Vienna, Austria. Filed Jan. 7, 1924. Serial No. 684,913. 29 Claims. (Cl. 259-72.)



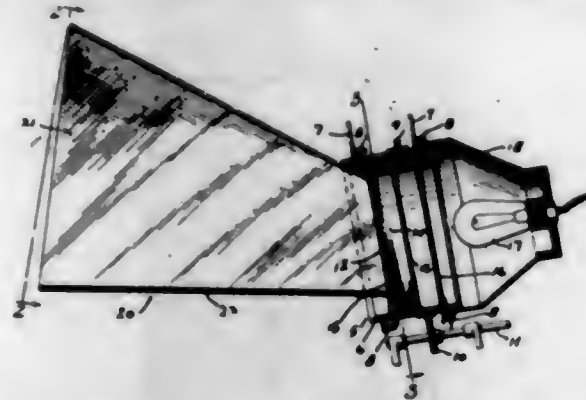
1. A device for rapping tubes which have been filled with sand, comprising a member arranged to execute a movement longitudinally of the work only and carrying clamping jaws, and a superposed member carrying hammers, and arranged to rotate about the work, said last named member being arranged to participate in the longitudinal movement of the first named member.

1,518,203. CURTAIN STRETCHER. PETER CLIFTON HOLMQUIST, Chicago, Ill. Filed Oct. 4, 1920. Serial No. 414,425. 3 Claims. (Cl. 45-24.)



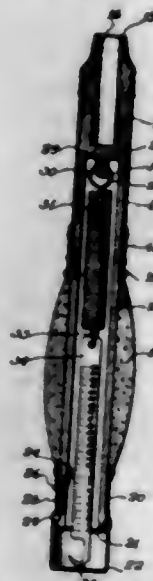
2. A curtain stretcher comprising side pieces having longitudinal slots, end pieces having longitudinal slots, and clamps to secure the side and end pieces together each including a base plate of greater width than the slot in said end piece and resting on said end piece over said slot, a flange on said plate fitting within the slot in said end piece, and a binding bolt integral with said base plate and passing through said end piece, said plate having a broad extension projecting over said side piece and its extremity resting within and fitting the slot in said side piece.

1,518,204. KALEIDOSCOPE. ADDISON S. HUSTED, Orchard Park, N. Y. Filed Sept. 18, 1922. Serial No. 588,790. 5 Claims. (Cl. 88-15.)



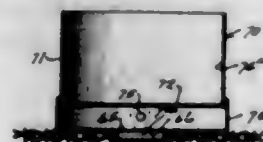
1. A kaleidoscope comprising a revolvable object-holder, and stationarily arranged, outwardly flaring mirrors.

1,518,205. FISHING-ROD HANDLE. JOHN BEAT KOUNTZ, Junction, Tex. Filed June 13, 1922. Serial No. 568,033. 2 Claims. (Cl. 265-63.)



1. A fishing rod handle including a hollow core, a cross pin mounted thereon and provided with opposed stop lugs on its upper side, a spring suspended on the pin between said lugs and depending within the core, and a scale bar carried by said spring.

1,518,206. COOKING APPARATUS. FRANK C. KRAMER, Kirksville, Mo. Filed Dec. 26, 1923. Serial No. 682,778. 4 Claims. (Cl. 53-7.)



1. Cooking apparatus comprising a frame, a belt movably carried by said frame including transversely extending guide members having sockets provided therein, and food holding members having mounting members removably fitting into the sockets provided in said guide members.

1,518,207. STANDING SUPPORT FOR PICTURES AND THE LIKE. WILLIAM PATRICK MCCALEY, KallsPELL, Mont. Filed July 12, 1923. Serial No. 651,187. 2 Claims. (Cl. 47-41.)

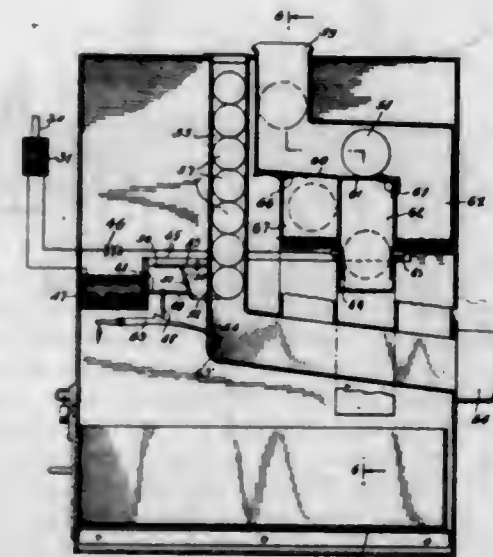
1. In a device of the character described comprising a standing frame formed of a single strip of material bent to provide a front member, a back member and a

connecting member, the front and back members being merged one into the other and diverging from their lines of juncture, the front member and the connecting member being merged one into the other and diverging from their line of juncture, the back member being provided with a horizontal slit adjacent to the free end thereof and the connecting member being tapered in



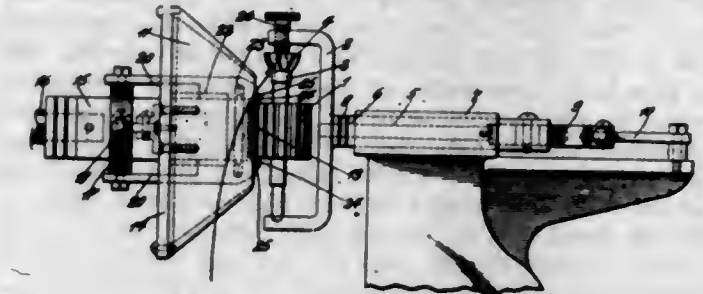
width toward its free end and adapted to be partially inserted through said slit into engagement with the ends of the later, said back member being provided with an opening intermediate of its length adapted to receive an elongated container which may be projected there-through to position to be supported at its lower end upon said connecting member.

1,518,208. COIN MECHANISM. WALTER N. MCCELLEAN, Brooklyn, N. Y., assignor of one-half to Bertram F. Baker, Tannersville, N. Y. Filed Apr. 18, 1922. Serial No. 554,626. 2 Claims. (Cl. 211-8.)



1. In escapement mechanism for a coin change chute, the combination of a plurality of fingers in spaced elevation relatively to each other, means to reciprocate said fingers into engagement with coins so as to regulate the downward movement thereof in said chute, said means including resilient means tending to hold the lower one of said spaced fingers normally in engagement with said coins, means to withdraw said lower finger from coin-holding position, and timing catch means for temporarily locking said lower finger out of engaging position so as to release a coin, said catch means including an extending end portion engageable by the coin so released by said lower finger to thereby throw said catch means out of engagement.

1,518,209. MACHINE FOR WINDING LOOSE COILS FOR ARMATURES AND THE LIKE. CLAUDE M. MCCORD, Richmond Heights, Mo. Filed Apr. 17, 1924. Serial No. 707,160. 5 Claims. (Cl. 242-13.)



1. A machine of the character described comprising two pairs of spaced coil supporting fingers, a rotary support for said fingers, means for moving an armature core into engagement with said support between said pairs of fingers, and connections for rotating said support and thereby the armature core.

1,518,210. HOSPITAL BED. ANGUS MACDONALD, Melrose, Mass. Filed July 26, 1923. Serial No. 653,885. 3 Claims. (Cl. 5-69.)



1. The combination with a hospital bed which includes a frame having longitudinal side bars and a primary mattress-supporting spring bottom, supported higher than the side bars; of auxiliary mattress-supporting and adjusting means comprising two pairs of hinge brackets detachably secured to and projecting above the side bars, the brackets of one pair being so spaced from those of the other pair that the primary spring bottom has an interlying portion between the pairs of brackets, a head end section adapted to yieldingly support the head end of a mattress and including a three-sided rigid portion jointed to one pair of hinge brackets; a foot end section adapted to yieldingly support the foot end portion of the mattress and including a three-sided rigid portion; an intermediate section adapted to yieldingly support an intermediate portion of the mattress and including two spaced apart rigid portions jointed to the foot end section and to the other pair of hinge brackets, each of said sections being free from rigid portions under a mattress supported thereby; links pivoted to the foot end section and to the side bars; and manually operable mechanism for adjusting said sections, the arrangement being such that the head, foot and intermediate sections may be inclined and held at different angles to impart a chair-like form to the mattress, and may be adjusted to bear simultaneously on the said primary bottom to supplement the action of the latter in supporting the mattress horizontally, while the said interlying portion forms a fourth section between the head end and intermediate section, for the support of the hips of the occupant of the bed.

2. The combination with a hospital bed which includes a frame having longitudinal side bars and a primary mattress-supporting spring bottom, supported higher than the side bars; of auxiliary mattress-supporting and adjusting means comprising two pairs of hinge brackets, detachably secured to and projecting above the side bars; a head end section adapted to yieldingly support the head end portion of a mattress and including a three-sided rigid portion jointed to one pair of hinge brackets; a foot end section adapted

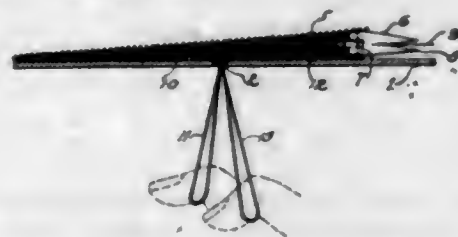
to yieldingly support the foot end portion of the mattress and including a three-sided rigid portion; an intermediate section adapted to yieldingly support an intermediate portion of the mattress, and including two spaced apart rigid portions jointed to the foot end section and to the other pair of hinge brackets above the side bars; links pivoted to and connecting the foot end section and the side bars; two pairs of bearing brackets detachably secured to and projecting below from the side bars; two transverse shafts oppositely screw-threaded and journaled in the bearing brackets below the side bars; nuts engaged with said shafts and movable simultaneously in opposite directions by the rotation thereof; and a pair of links pivoted to the nuts of the said shafts and to the head end section; and a pair of links pivoted to the nuts of the other shaft and to the foot end section, the links of each pair being formed and arranged to extend and move endwise across the opposite longitudinal edges of the primary spring bottom.

1,518,211. ELECTRICAL DEVICE FOR MEASURING THE CONDUCTIVITY OF THE STOMACH CONTENTS. HENRY PETER MAUR, New York, N. Y. Filed Feb. 28, 1923. Serial No. 620,717. 6 Claims. (Cl. 128-2.)



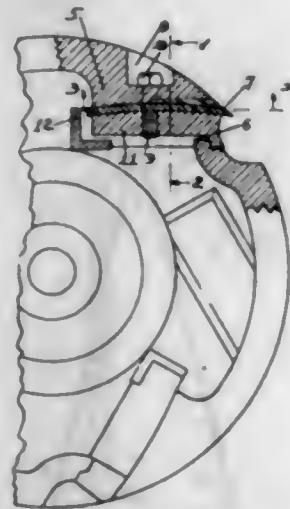
1. In a device of the class described, the combination with an electrolyte holder adapted for introduction into a bodily organ, a tube attached thereto enabling a suction to be created in said holder to draw in the electrolyte, metallic members located in the holder, and means for passing an electric current through said members to measure the resistance of the electrolyte, when it is drawn into said holder.

1,518,212. FIGURE TOY. EDWARD C. MAYNE, Philadelphia, Pa. Filed June 29, 1922. Serial No. 571,620. 4 Claims. (Cl. 46-40.)



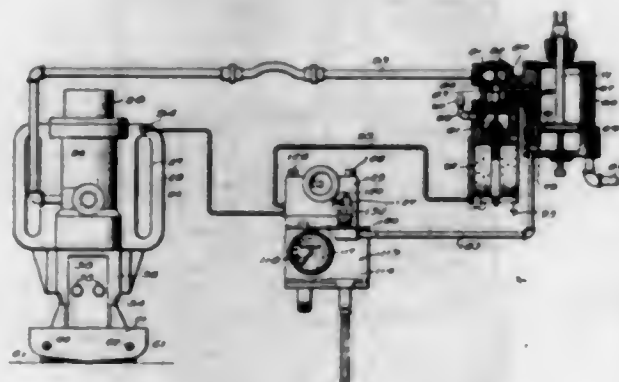
1. In a toy, a snake-like member comprising a head; a body made of coiled wire; a fibrous filling within the coiled wire; a cord connected with the head, passing through the filling and out of the body, a cord connected with the tail, passing through the filling and out of the body, and means on the ends of each cord adapted to be gripped and pulled, whereby sinuous movement may be imparted to the snake-like member.

1,518,213. CYLINDER-DRUM MECHANISM FOR CUTTING MACHINES. PHILIP S. MITTS, Saginaw, Mich., assignor to Mitts & Merrill, Saginaw, Mich., a Corporation of Michigan. Filed Mar. 19, 1923. Serial No. 626,143. 4 Claims. (Cl. 83-6.)



1. A short cylindrical section for built-up multiple section cutting drums of the class described, said section formed with a knife-receiving opening in its periphery, a lug integral with said section, a face of said lug formed to provide a slightly curved knife-receiving seat, extending from the periphery of the drum inwardly, and means adapted to forcibly spring said knife into contact with said seat.

1,518,214. RECORDING MECHANISM. WILLIAM B. MURRAY, Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va., a Corporation of Virginia. Original application filed Aug. 12, 1918. Serial No. 249,473. Divided and this application filed Mar. 28, 1921. Serial No. 456,466. 5 Claims. (Cl. 234-27.5.)

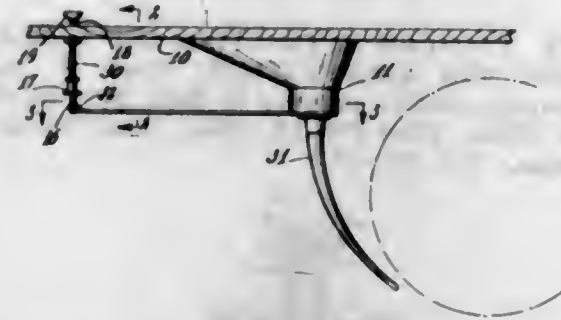


1. The combination with a pneumatically operated electrically controlled train stopping mechanism, of a recorder comprising a cylinder, a piston operating in said cylinder, said cylinder being supplied with fluid under pressure when the train stopping mechanism is in set position, means for exhausting fluid from said cylinder when the train stopping mechanism is actuated to operate said piston, a traveling chart arranged adjacent said cylinder, and a marker contacting with said chart and connected to said piston to be shifted thereby.

1,518,215. SAND DISTRIBUTOR. PETER MUZYCZKA, Bronx, N. Y. Filed June 27, 1924. Serial No. 722,686. 6 Claims. (Cl. 291-34.)

2. In a device of the class described, a car platform, a crosshead guide depending therefrom, a crosshead slidable on said guide, and provided with an upwardly ex-

tending rod adapted for operation by a foot pedal, a sandbox mounted under the car platform, and provided with a discharge mouth in its lower end a horizontally movable valve plate controlling said mouth, a stem con-



nected to said valve plate, and operative connections between said crosshead and said stem whereby vertical movement of the former imparts horizontal movement of the latter.

1,518,216. DISH AND DISH-COVER RACK. ALBERT OXODY, Cleveland, Ohio. Filed Jan. 5, 1924. Serial No. 684,576. 1 Claim. (Cl. 211-14.)

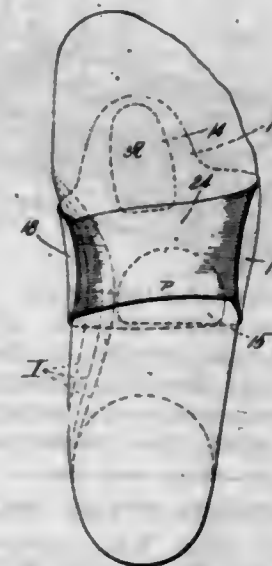


A dish rack comprising a frame element having side bars, and fingers projecting from said side bars, a cross-piece uniting one end of said bars and comprising overlapping bar elements fixed at remote ends to the respective bars, said overlapping elements being formed with longitudinal slots, and sockets spaced therealong and intersected by said slots, a pin passing through said slots and having on one end a head adapted to fit snugly in either of the sockets on one of said elements, a washer on said pin adapted to fit snugly in either of the sockets in the other element, and a nut threaded on the said pin for clamping the two bar elements to one another, said bar elements each having pairs of apertures spaced therealong in correspondence to the said sockets with the respective apertures of the several pairs concentric with common sockets and studs carried in the ends of the said elements adapted to engage in either of said apertures.

1,518,217. ARCH SUPPORT. JOHN D. PALM, Brockton, Mass. Filed Feb. 25, 1924. Serial No. 694,865. 3 Claims. (Cl. 38-71.)

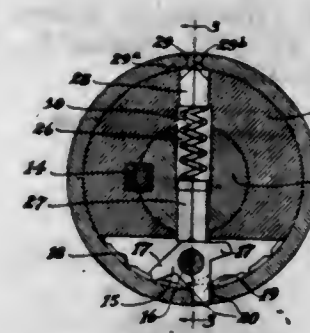
1. An arch support comprising a flexible pad formed to cover the bottom of that portion of a foot which includes the anterior and posterior arches, a forward

cushion in the forward portion of the pad formed and arranged to support the anterior arch, and a rear cushion in the rear portion of the pad formed and arranged to support the posterior arch, the pad being provided with two upturned flexible ears and an adjustable connection between said ears, and adapted to extend across and hug the instep portion of the foot, one of said ears be-



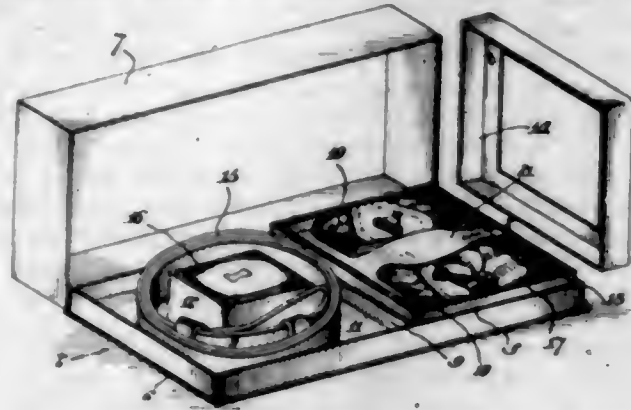
ing adapted to bear on the inner side of that portion of the foot which includes the inside longitudinal arch, while the other ear is adapted to bear on the outer side of said portion, the arrangement being such that the said cushions are held by the contraction of the pad on the foot in predetermined positions, under said anterior and posterior arches.

1,518,218. FEED RATCHET FOR PLANERS. ALBERT W. PARKES, Dundas, Canada, assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 2, 1921. Serial No. 441,835. 2 Claims. (Cl. 192-43.)



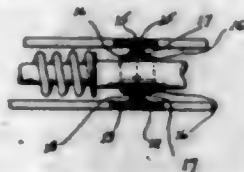
1. In a tool feed mechanism, the combination of a feed screw, a driven member mounted non-rotatably on the screw, a driving member comprising a gear mounted loosely on the screw adjacent the driven member, a two-way pawl mounted in the driven member and adapted to engage teeth on the other member for driving the driven member in either direction, means comprising a cover fitting over the driven member for controlling the operation of the pawl, the pawl having means engaging the cover whereby angular movement of the latter shifts the position of the pawl to operate the driven member in one direction or the other, a latch adapted to engage notches in the cover for holding the cover from angular movement relative to the driven member, and a spring between the pawl and latch for normally holding the same in their operative positions.

1,518,219. DISPLAY BOX. HENRY A. PETER, Philadelphia, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed May 12, 1923. Serial No. 638,464. 3 Claims. (Cl. 206-44.)



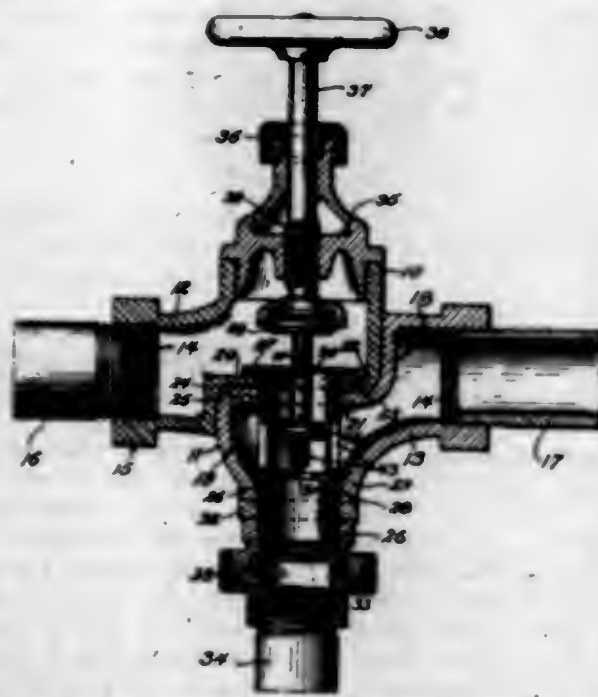
1. The combination of a container, means forming a plurality of compartments therein, adapted to receive and maintain different articles in display position, a box, a telescoping lid therefor, approximately fitting in one of said compartments, and a retainer fitting snugly over the lid and within the compartment.

1,518,220. SELF-LUBRICATING BEARING. AUGUST J. PETRAE, West Allis, Wis., assignor to Milwaukee Stamping Company, West Allis, Wis., a Corporation of Wisconsin. Filed Nov. 28, 1921. Serial No. 518,217. 3 Claims. (Cl. 74-86.)



1. A double acting door hinge provided with a longitudinally movable spring actuated rod, in combination with a mounting having upper and lower frame members, and a bearing composed of bell shaped portions embracing the rod with their flaring margins abutting and extended in the form of vertically disposed flat plates in interlocking relation to the frame members, said bell shaped portions being filled with a normally solid lubricant.

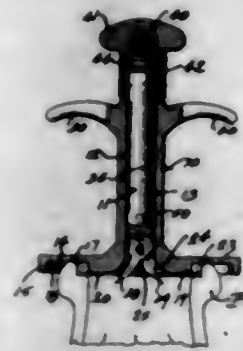
1,518,221. VALVE. HERBERT H. REIBER, Philadelphia, Pa. Filed June 27, 1922. Serial No. 571,305. 14 Claims. (Cl. 251-157.)



13. A valve consisting of a casing made in sections, the sections having flanges at their meeting portions, one of the flanges being provided with a projecting part

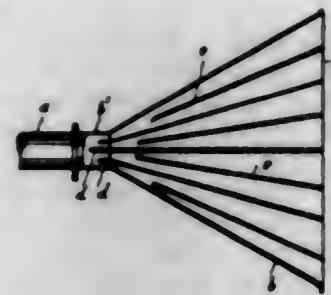
and the other with a corresponding depression whereby the sections may be held in axial alignment; a valve seat member connecting the sections, and means engaging said member for holding the sections in fluid-tight engagement.

1,518,222. CLOSURE EXTRACTING AND REPLACING DEVICE FOR RECEPTACLES. CARL O. SÄTHER, Minneapolis, Minn., assignor to Emil Kleppen, Minneapolis, Minn. Filed Feb. 13, 1923. Serial No. 618,820. 3 Claims. (Cl. 25-47.)



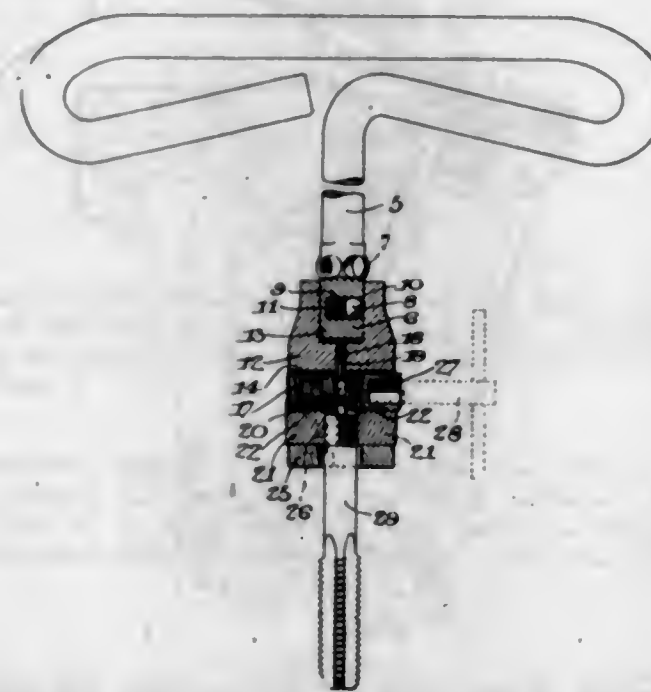
1. A device for extracting and replacing a closure disc of a receptacle, said device comprising a body open at its lower end and having its lower end portion provided with a portion adapted to rest upon the upper edge of the receptacle during a closure extracting or replacing operation and a portion for extending into the receptacle and engaging the upper face of the closure disc, a plunger slidable in said body, relatively expansible prongs pivotally carried by the lower end portion of said plunger and movable out of the lower end of the body and through a closure disc when the plunger is moved downwardly and means mounted in said body between said prongs for causing spreading of the prongs when the prongs and plunger are moved downwardly and the prongs moved through the open lower end of the body and through a closure disc.

1,518,223. BURNER FOR PULVEROUS FUEL. ENHART SCHOTT and WILHELM HAUG, Leimen, near Heidelberg, Germany, assignors to the Firm Portland-Cementwerke, Heidelberg-Mannheim-Stuttgart, Aktien-gesellschaft, Heidelberg, Germany. Filed July 16, 1923. Serial No. 651,935. 1 Claim. (Cl. 110-104.)



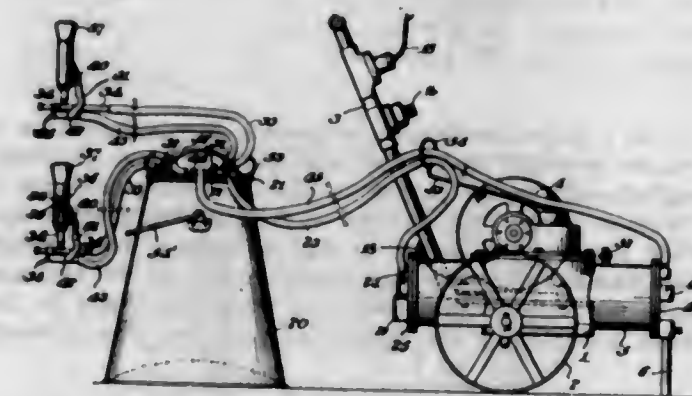
In combination with a furnace having walls of brick work, a burner for pulverous fuel consisting of a supply pipe of circular cross-section for the feeding of the mixture of fuel dust and air, and of a mouth piece in coaxial connection with said supply pipe, said mouth piece expanding from the circular cross-section of the supply pipe into a narrow slot-shaped exit at its free end and having a plurality of main and auxiliary partitions, the main partitions extending from the free end of the mouth piece over its whole length into the adjacent end of the supply pipe, the auxiliary partitions being shorter than the main partitions, the partitions subdividing the mixture of fuel dust and air so that it enters the furnace in a plurality of independent currents, the front end of said mouth piece being flush with the brick work of the furnace.

1,518,224. TAP WRENCH. WILLIAM A. SEIDEMANN and JOSEPH JOHNSON, Milwaukee, Wis., assignors to Snap-On Wrench Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 7, 1922. Serial No. 566,541. 3 Claims. (Cl. 10-151.)



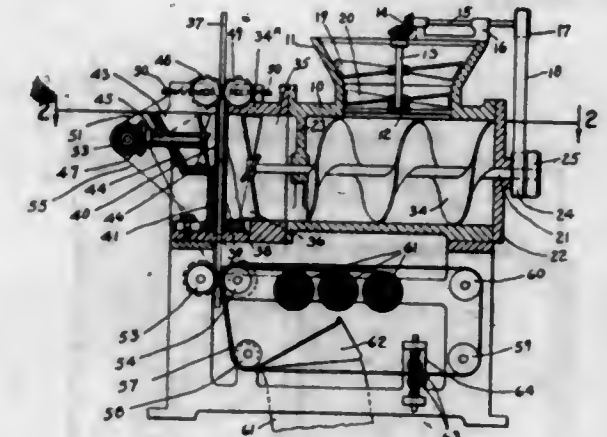
1. A tap wrench attachment for wrench sets comprising a member having a socket in one end to detachably interfit with an operating handle and having a transversely disposed bore and a slot extending from the other end of said member into the bore and terminating at a distance short of the horizontal axis of the bore to form guide shoulders adjacent the bore, a rotatable jaw-clamping screw journaled in said bore and having a centrally disposed annular groove, said member having a vertically disposed hole extending from the bottom of the socket to said transverse bore, a pin disposed in said vertically disposed hole and having its end extending into said groove to prevent lateral movement of said screw, tap-clamping jaws slidably mounted in said slot and having threaded portions engaged by the screw, and a plate secured to the slotted end of said member and forming a retainer for said jaws and provided with a central opening adjacent the clamping faces of the jaws.

1,518,225. MILKING MACHINE. LAURENCE P. SHARPLES, West Chester, Pa. Filed Nov. 6, 1919. Serial No. 336,003. 2 Claims. (Cl. 31-73.)



1. In a milking machine, the combination of a vacuum conduit; a vacuum and pressure conduit; a double acting reciprocating pump provided with means comprising automatically acting valve mechanism whereby each stroke applies suction to said conduit first named and alternate strokes apply suction to said conduit second named below a predetermined vacuum in said conduit first named and thereafter the respective strokes apply suction to the respective conduits alternately.

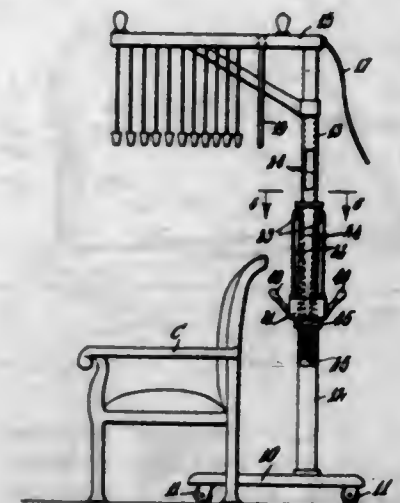
1,518,226. MEANS FOR FILLING BATTERY PLATES. JESSE E. S. SHEPHERD, Indianapolis, Ind. Filed Sept. 5, 1922. Serial No. 586,380. 9 Claims. (Cl. 226-39.)



1. A pasting machine for battery grids, including a feeding chamber, means in said chamber for feeding the paste towards the grid, and means for forcing the paste into said grid from the opposite side thereof, said means being so arranged that the paste will be forced into said grid, first from one side and then from the other side.

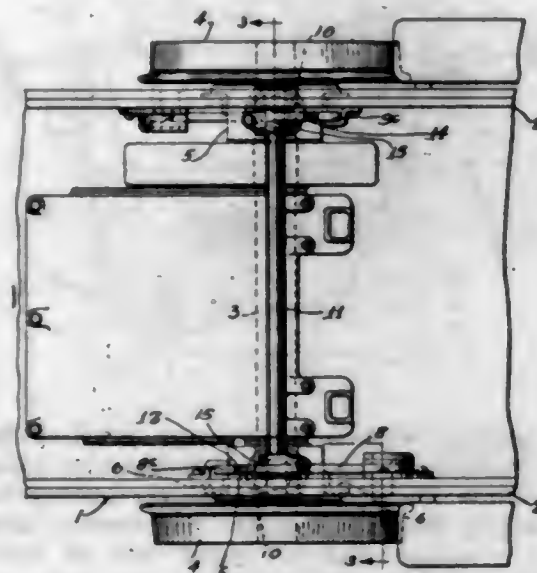
9. A pasting machine for battery grids, including means for finishing the surface of the grids after being pasted, comprising a plurality of rollers, one of said rollers being in position to frictionally engage said plate, an endless fabric belt adapted to pass about one of said rollers so as to engage the surface of said grid whereby the surface thereof will be cleansed and finished, and an absorbent paper arranged to pass about said engaging roller with said fabric belt for absorbing and carrying off the moisture in said grid.

1,518,227. ADJUSTABLE STAND FOR HAIR-WAVING APPARATUS. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,281. 3 Claims. (Cl. 248-2.)



3. In a portable hair waving machine, a base, a post made up of upper and lower elements, the upper element telescoping into the lower one, a counterweight in the form of a ring surrounding the lower post section, ropes leading from said counterweight to connect to the upper post section, said lower post section being formed with zig-zag grooves extending up the sides thereof, and pins carried by the counterweight adapted to engage in the said grooves, springs urging said pins into the said grooves, and means for withdrawing said pins from the said grooves, said means comprising handle elements pivotally attached to the said pins and having cam elements formed thereon adapted to bear on the face of the said counterweight when the handles are swung in one direction.

1,518,228. LOCOMOTIVE EQUALIZER. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 7, 1923. Serial No. 679,100. 4 Claims. (Cl. 105-82.)



1. In a car, a frame, an axle movable in a substantially vertical plane with respect to said frame, journal boxes adjacent the ends of said axle, guide means on said frame permitting vertical movement of said journal boxes, an equalizing device comprising a pair of longitudinally disposed levers of equal length, pivotally mounted adjacent opposite ends of said axle in supporting engagement therewith, and means operatively connecting said levers including a transversely disposed torsion member pivotally mounted on said frame.

1,518,229. HEADLIGHT-OPERATING MECHANISM. ALOIS STASAK, Detroit, Mich. Filed Aug. 27, 1923. Serial No. 659,476. 5 Claims. (Cl. 240-61.)

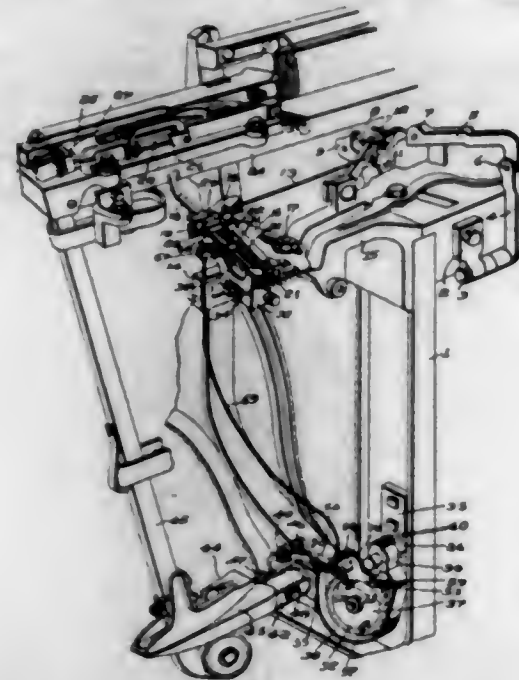


2. In a device of the character described, a split tubular member having a headlight pivotally mounted thereon, a bearing on which said headlight may be oscillated, and a downwardly projecting arm secured to said bearing, a crank on the end of said tubular member, and rods connected to said arm and crank respectively, a spring tensioned switch mechanism, and connections between said rods and the switch to allow the headlights to be selectively oscillated or tilted.

1,518,230. FEELER MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopdale, Mass., assignor to Draper Corporation, Hopdale, Mass., a Corporation of Maine. Filed Feb. 1, 1924. Serial No. 689,871. 7 Claims. (Cl. 139-270.)

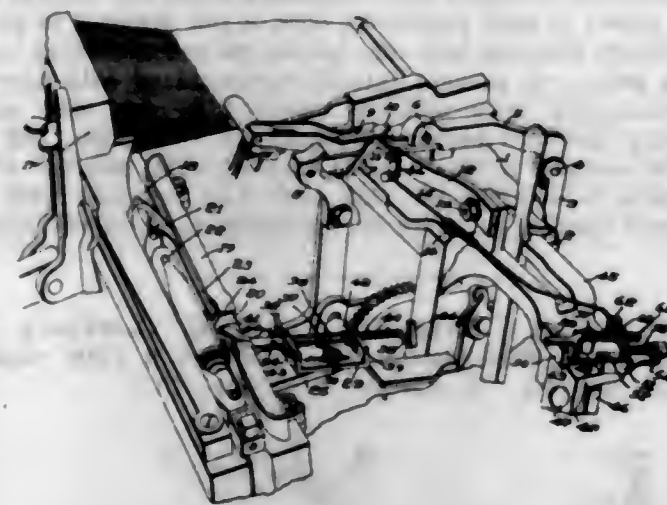
1. In a feeler mechanism for looms the combination of a feeler, a catch for holding the feeler in a forward, inoperative position during its periods of inactivity, a

trip for said catch to free the feeler at intervals, the lay rocker shaft at the lower part of the loom, an arm secured to the lay rocker shaft for rocking movement



therewith at the lower part of the loom, and means actuated by the arm as the rocker shaft turns backwardly for freeing the feeler from the catch at intervals.

1,518,231. FEELER MECHANISM FOR LOOMS. MELVIN L. STONE, Lawrence, Mass., assignor to Draper Corporation, Hopdale, Mass., a Corporation of Maine. Filed Feb. 11, 1924. Serial No. 691,964. 13 Claims. (Cl. 139-272.)

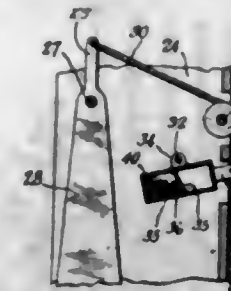


1. In a feeler mechanism for looms, the combination of a feeler mounted on the lay and adapted to be displaced longitudinally of the shuttle by the frontward pressure of a surface within the shuttle on a detecting beat, means which engages the feeler as the lay moves frontwardly and causes the feeler to press upon the filling, and means for replenishing the filling when the feeler is displaced laterally by the frontward pressure thus induced.

1,518,232. SIGNALING DEVICE. EMANUEL TRITZ, Newark, N. J. Filed Aug. 3, 1923. Serial No. 655,412. 4 Claims. (Cl. 116-53.)

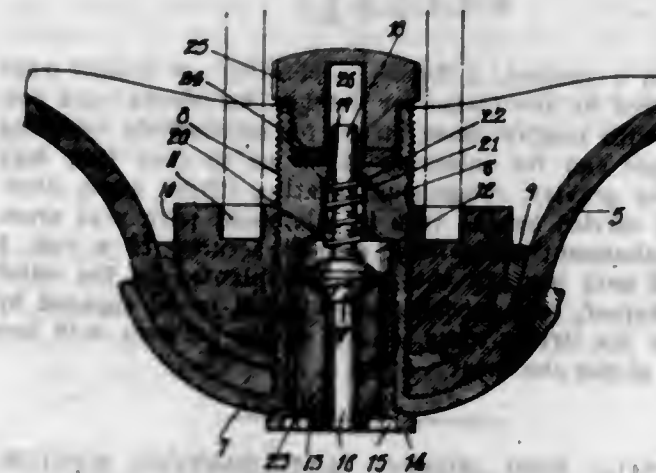
1. A vehicle signal comprising a casing rigidly extended from the side of the vehicle, a plurality of similarly shaped signal plates bearing unlike inscriptions pivoted to hang normally pendant from a common axis within said casing, flexible connections engaging said plates opposite their pivotal points, supports for said

connections, pulls at the opposite ends of said connections, an arm projecting outwardly from the upper portion of said casing over the path of exposed plates,



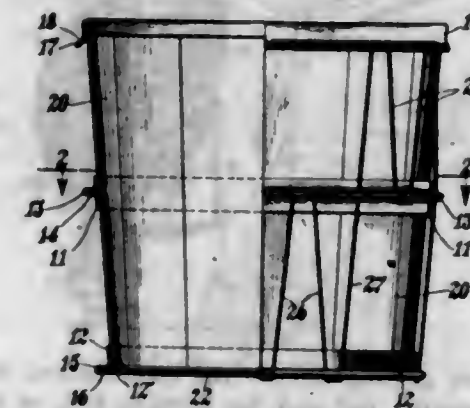
means in said arm for illuminating said signal plates when extended and gradually acting means for returning the extended plate slowly into its original position of rest.

1,518,233. VALVE. BERNARD TRAGER, New York, N. Y., assignor of one-fourth to Charles B. McKenna, New York, N. Y. Filed Sept. 19, 1922. Serial No. 589,254. Renewed Sept. 25, 1924. 4 Claims. (Cl. 251-144.)



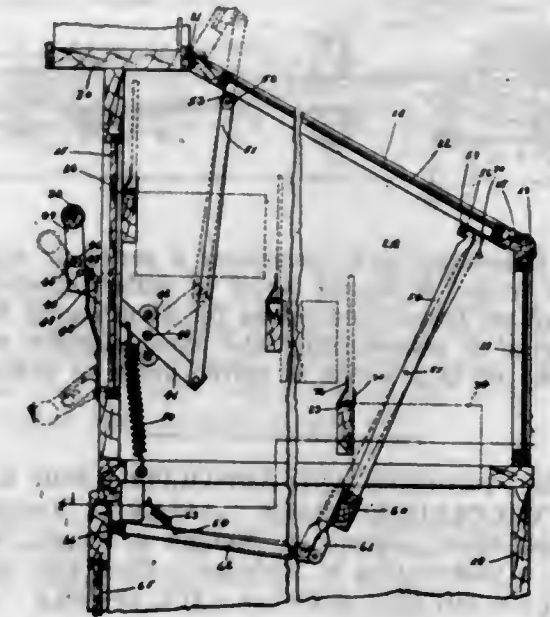
1. A valve of the character described comprising a threaded stem having a concave base, a locking sleeve communicating with the interior of the stem, a valve stem and valve head seated in the top of the sleeve, a lock nut and lock washer cooperating with the concave base whereby the valve as a unit lies below the surface of an inflatable body in which it is positioned, and a cap for said threaded stem.

1,518,234. SHIPPING BASKET FOR FRUITS AND VEGETABLES. ALEXANDER VIRAO, Townsend, Del. Filed Feb. 13, 1924. Serial No. 692,481. 2 Claims. (Cl. 217-89.)



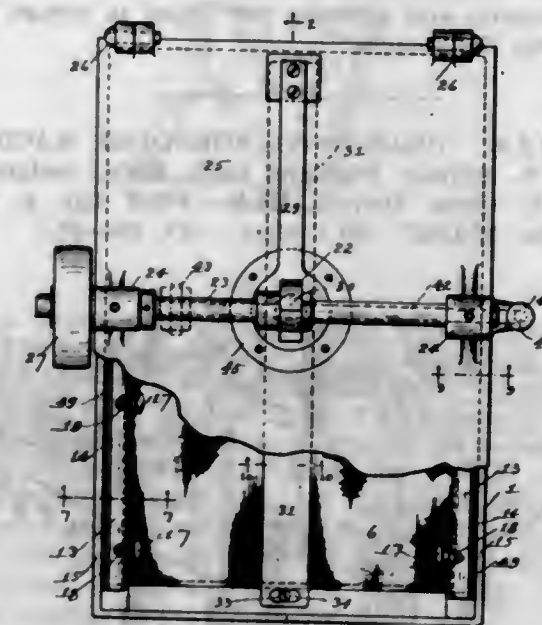
1. A basket comprising staves, top and bottom hoops engaging over the top and bottom edges of said staves, a center loop and wire fastening elements binding said hoops to one another.

1,518,235. DISPLAY AND SALES CASE. JOHN M. WADDELL, Greensfield, Ohio; Dean T. Waddell executor of said John M. Waddell, deceased. Filed Apr. 13, 1922. Serial No. 552,112. 13 Claims. (Cl. 211-26.)



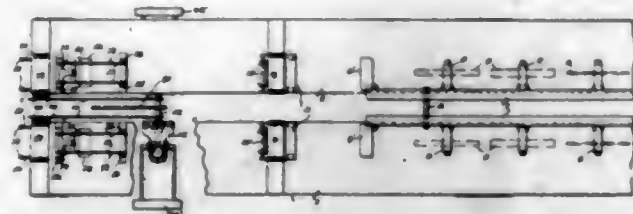
1. In a lid actuating device the combination with a pivotally mounted lid, of a rod pivotally mounted intermediate its ends, a link pivotally mounted at its ends upon the lid and one end of the rod, a bar mounted pivotally on the other end of the rod adapted to move the rod on its mounting, and a yielding means adapted to preclude movement of the rod about its pivotal mounting and to be rendered inoperative upon the rod by the movement of the bar upon its pivotal mounting.

1,518,236. VIBRATILE SCREEN. COLIN R. WALCOTT and WALTER J. PIKE, Newaygo, Mich., assignors to Millard F. Hatch, Newaygo, Mich. Filed Aug. 31, 1922. Serial No. 585,349. 2 Claims. (Cl. 83-56.)



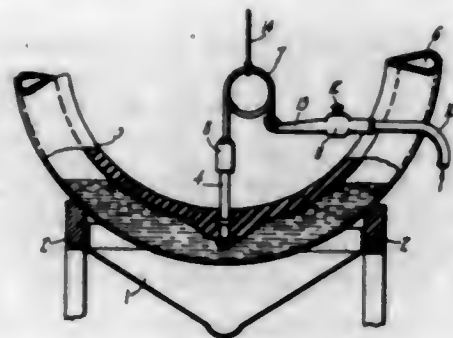
1. In mechanism of the character described; a screen; a frame having angularly-disposed portions; means for mounting the screen on the frame comprising, a member having an edge portion abutting one portion of the frame and another edge portion holdingly engaging the screen therebetween and the other portion of the frame, and adjustable means for moving and holding said member on the frame; packing intermediate said member and the first-mentioned portion of the frame, and intermediate the screen and the last-mentioned portion of the frame.

1,518,237. FLAP-MAKING MACHINE. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed Feb. 25, 1920. Serial No. 361,177. 10 Claims. (Cl. 154—9.)



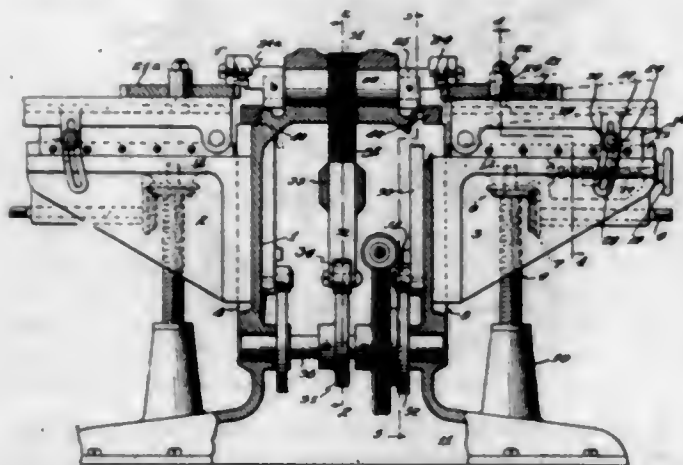
9. A festooning rack comprising a series of rollers, a movable frame, a second series of rollers journaled in said movable frame, and means for maintaining the two said series in substantially the same angular relation while one of said series is moved from or toward the other.

1,518,238. PROCESS AND APPARATUS FOR EMPTYING VULCANIZING BAGS. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Feb. 23, 1924. Serial No. 694,456. 4 Claims. (Cl. 18—56.)



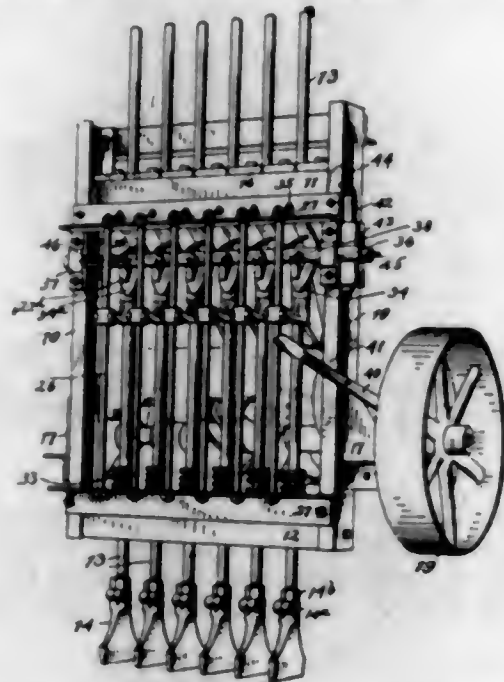
2. A process for substantially completely emptying liquid from hollow annular vulcanizing bags having an outlet stem which consists in, supporting the bag above a trough with its stem as low as possible, charging the bag with a quantity of gas at a pressure above that of the atmosphere, and allowing the liquid to escape from the bag into the trough.

1,518,239. GEAR-TOOTH-ROUNDING MACHINE. PHILIP S. ARNOLD, Highland Park, Mich., assignor to Milton O. Cross, Detroit, Mich. Filed Apr. 2, 1920. Serial No. 370,857. 20 Claims. (Cl. 90—38.)



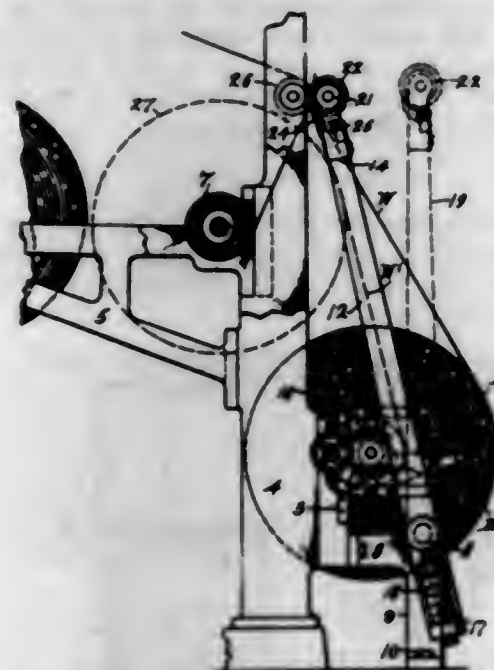
1. The method of rounding the ends of gear teeth which consists in first shearing the side of one end of each tooth successively on an arc of substantially ninety degrees of a circle and then successively submitting the opposite side of the ends of the teeth to a second and similar shearing operation.

1,518,240. TAMPING MACHINE. ARTHUR B. BABBITT, Kent, Ohio, assignor to The Kent Machine Company, Kent, Ohio, a Corporation of Ohio. Filed Mar. 6, 1922. Serial No. 541,270. 8 Claims. (Cl. 25—41.)



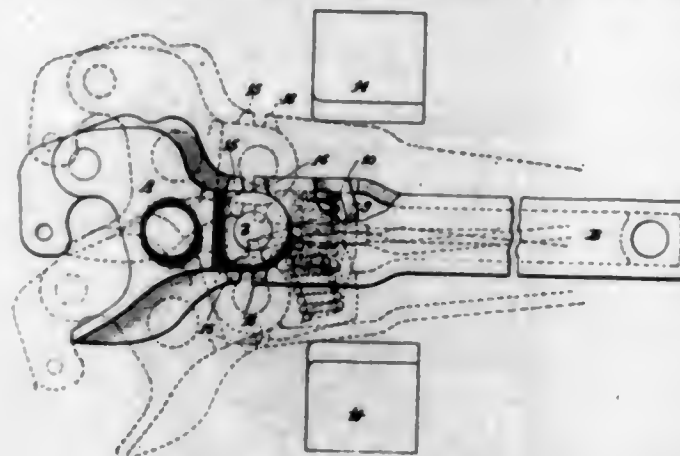
1. In a tamper, a frame, a plurality of tamper rods supported by the frame for vertical movement, and provided with tamper shoes, means for successively elevating the rods and for releasing the same so that they may drop by gravity, comprising rotating lifting arms, abutments carried by the rods in alignment with said arms, each abutment comprising a part secured to a rod, a second part beneath the first and pivoted to the outer end thereof, said second part adapted to be engaged by one of the lifting arms, and a spring between said two parts of the abutment.

1,518,241. WEB JOINING AND PASTING DEVICE. HARRY VINCENT BALL, Montreal, Quebec, Canada, assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,944. 3 Claims. (Cl. 242—58.)



1. In a web pasting device, the combination of a support for a running roll and for a spare roll, of a swinging frame mounted to swing so as to bring a new web in contact with an expiring web, a pasting roll carried by the frame, and co-operating abutment for the pasting roll between which and the roll the two webs run and effect a paste.

1,518,242. CAR COUPLER. ARTHUR J. BAZELEY, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 1, 1922. Serial No. 598,254. 5 Claims. (Cl. 213—19.)



1. In a car coupler, a coupler head having a plurality of horizontal projections extending rearwardly therefrom, a coupler shank having a plurality of lugs extending forwardly therefrom, said projections and lugs being apertured for reception of a vertically extending pivot pin, one of the projections on the coupler head extending rearwardly from the pivot pin and supporting a centering spring, said spring being engaged by said projection and engaging internal surfaces of said coupler shank.

1,518,243. APPARATUS FOR BINDING THE EDGES OF PLASTER WALL BOARD. CHARLES R. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1922. Serial No. 589,782. 8 Claims. (Cl. 154—1.)



2. An apparatus for constructing plastic wallboard comprising means for advancing a bottom sheet of fibrous material upon a table, means for depositing a plastic mass upon the bottom sheet, means for applying a top sheet of fibrous material upon the plastic mass, means for applying edge binding strips of fibrous material retaining the plastic mass at the edges and bonded thereto, and a board forming means forcing the top sheet down upon the plastic mass and forcing the mass against the edge binders.

1,518,244. SPEED OR LIKE INDICATING DEVICE. RALPH BONNIKEN, Leamington, England. Filed Nov. 16, 1922. Serial No. 601,263. 3 Claims. (Cl. 235—144.)



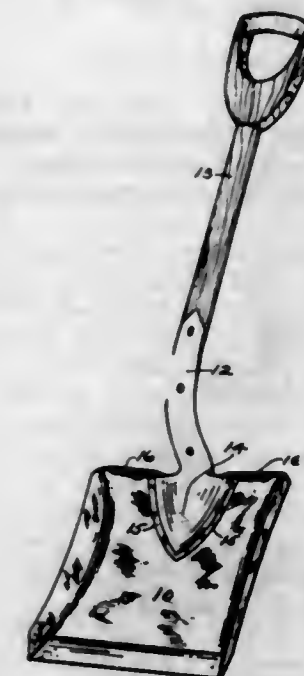
1. In an indicating mechanism having time and distance counters and escapement mechanism controlling the same, the combination of means for resetting the distance counter to zero and means for connecting at will the time counter with said resetting means.

1,518,245. CURTAIN FIXTURE. JAMES H. BOYE, Chicago, Ill. Filed Nov. 6, 1922. Serial No. 599,189. 6 Claims. (Cl. 156—19.)



1. The combination with a flat curtain rod having a downturned rear flange on its upper edge, of a supporting bracket for said rod having an upturned finger on its forward end disposed behind said flange and at its free end supportingly engaged with the under surface of the upper edge portion of said rod.

1,518,246. SHOVEL. FRANCIS C. BRANDENBURG, Piqua, Ohio, assignor to The Wood Shovel and Tool Company, Piqua, Ohio, a Corporation of Ohio. Filed Apr. 28, 1923. Serial No. 635,359. 3 Claims. (Cl. 294—49.)

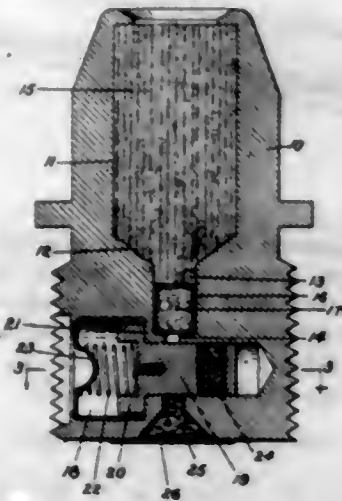


1. A shovel, comprising a blade with a handle pocket welded thereto, the blade having an extension on its upper edge at each side of the handle, which extends beyond the upper edge of the pocket, said extensions being bent toward the front to form nearly a right angle to the blade, thereby forming foot rests, the bends being above the upper edge of the pocket and therefore isolated from the weld which secures the pocket to the blade, but close to the upper edge of the pocket, thereby placing the ends of the welds substantially at the throat of the angles formed by the bends.

1,518,247. TRACER FUSE. HAROLD M. BRAYTON, Dover, N. J. Filed July 25, 1924. Serial No. 728,231. 9 Claims. (Cl. 102—36.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

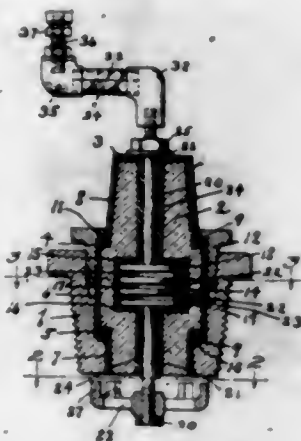
1. A fuse including a body, said body formed with a cavity, a tracer composition disposed in the cavity, a detonator adjacent the forward end of the tracer composition, a centrifugally movable bolt mounted transversely in the body, said bolt formed with a squared

side, an element of a powder train carried by the bolt, an element of a powder train carried by the body, the continuity of said elements being normally interrupted.



and a pin carried by the body and engaging the squared side of the bolt to prevent rotation of the bolt during lateral movement thereof.

1,518,248. SPARK PLUG. AMEL B. BROUSKA and HARRY A. BROUSKA, Detroit, Mich., assignors of one-third to Cyril Cailliau, Detroit, Mich. Filed Aug. 19, 1920. Serial No. 404,596. 5 Claims. (Cl. 123-169.)

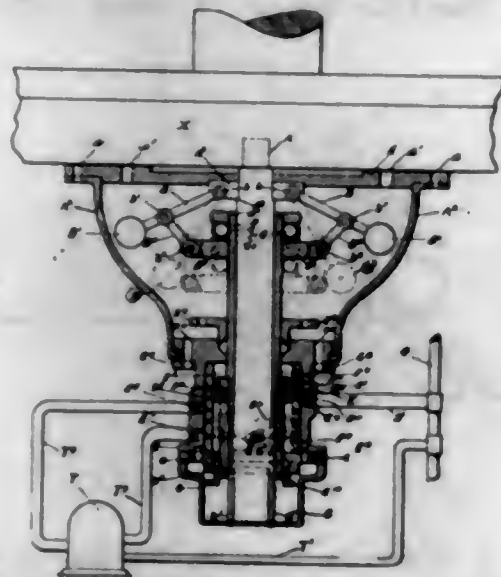


1. In a spark plug, the combination of a metal holder, a core of insulating material mounted therein and having an inner chamber, a two-part electrode mounted centrally within the core and having disks within said chamber constituting the adjacent ends of its two parts, and metal rings serving to partially bridge the space between said disks, said metal rings being separated by rings of insulating material so as to form circular spark gaps.

1,518,249. GOVERNOR FOR AUTOMATIC CONTROL APPARATUS FOR RAILROADS. ANDREW J. BROOKINS, Chicago, Ill. Filed Sept. 1, 1922. Serial No. 585,613. 18 Claims. (Cl. 303-21.)

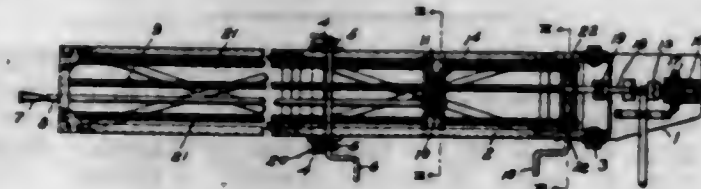
1. A rotatably mounted shaft, a non-rotatable hollow shaft longitudinally movable on said rotatable shaft, means connecting said shafts so that centrifugal force generated by said connecting means tends to move said hollow shaft in a determined direction, in combination

with a cylinder, a cup on said hollow shaft arranged to form an air retainer, and to divide said cylinder into chambers, ports in said cylinder and passage ways to



said ports, said ports controlled by said air retainer to determine the chamber with which said ports are in communication.

1,518,250. MINE DRILL. JACOB W. CAMPBELL, Wendel, Pa. Filed Jan. 12, 1923. Serial No. 612,235. 3 Claims. (Cl. 255-46.)



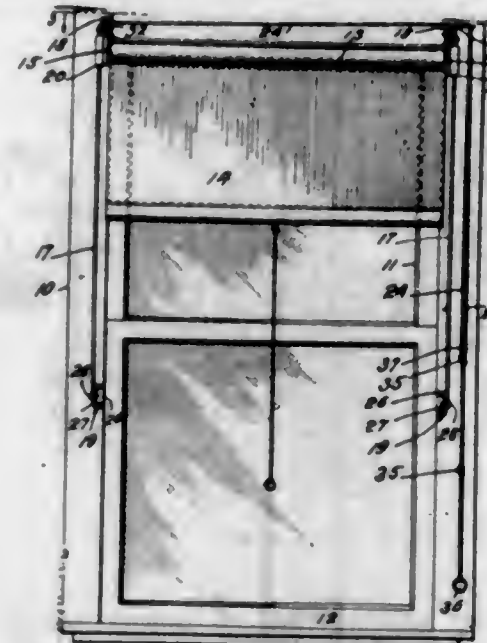
1. In a drilling machine the combination of a bed plate, a frame pivoted to the bed plate, a shaft formed in two parts united by universal joint on the axis of the frame pivot and carried, the one part by the bed plate the other by the frame, a drill borne by a shaft and extensible from said frame, said drill shaft and the shaft first named, being geared together, means for rotating the shaft first named, manually operated means for syingling the frame on its pivot, and manually operated means for effecting extension of said drill shaft from said frame.

1,518,251. HAND TOOL. GUSTAVE O. CARLSON, Wethersfield, Conn., assignor to Mayhew Steel Products, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 14, 1921. Serial No. 437,217. 1 Claim. (294-36.)



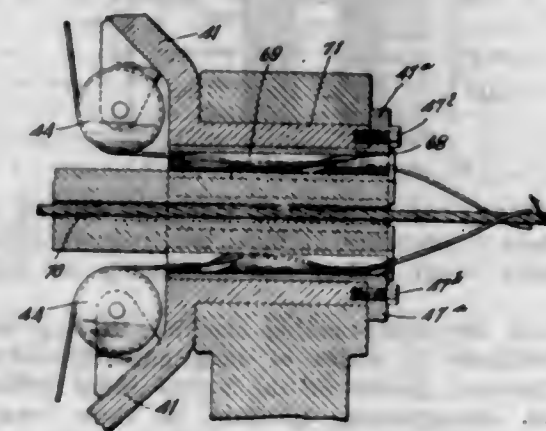
A pair of pliers comprising two forged members each having a handle portion and a jaw portion, one of said members having a cylindrical aperture between its handle and jaw portions, said aperture being beveled or counterbored at one end to provide a recess of substantial area and the other of said members having between its handle and jaw portions an integral stud of greater height than the length of the aperture in said other member, said stud having a recess in its outer end to provide an annular lip, said lip being bent over into the countersink of said aperture and being of substantial thickness, whereby it has sufficient strength to withstand strains.

1,518,252. WINDOW-SHADE FIXTURE. FRANKLIN H. CHILTON, Union City, Conn. Filed Sept. 19, 1922. Serial No. 589,050. 5 Claims. (Cl. 156-27.)



5. In combination with a window frame and a spring roller shade therefor, fixtures of the nature described for said roller comprising vertical sheet metal flat strip guide-bars secured to opposite sides of said frame with their flat sides facing laterally and presenting edge surfaces forwardly, sheet metal runners slidably mounted on said guide bars having channel front and back edge portions embracing the edges of said bars and outwardly projected facing middle portions in which are formed bearing openings for the end studs of said roller, operating cords secured to said runners between said bars, guides therefor and means for anchoring said cords at one side of said frame for securing said roller in its positions of adjustment.

1,518,253. CABLE-MAKING MACHINE. EDWARD A. CONNER, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed Oct. 27, 1922. Serial No. 597,271. 18 Claims. (Cl. 117-20.)

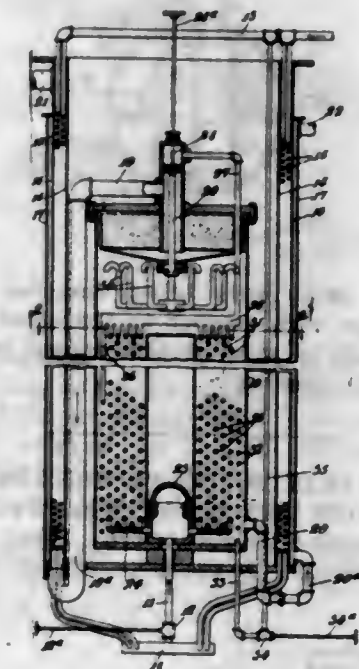


1. In a cable-making machine, a flyer provided with a plurality of separate means for forming into helices wires subjected to the action of said means prior to laying said wires on the cable.

1,518,254. PROCESS OF CASTING STONE. LLOYD G. COPEMAN, Flint, Mich. Filed Mar. 26, 1923. Serial No. 627,749. 10 Claims. (Cl. 18-60.)

4. The process of casting plastic materials, which comprises the lining of the face of the mould with a film of paraffine, the applying of cement diluted with alcohol to the paraffine and then filling the interior of the mould with a plastic aggregate of cement.

1,518,255. ART AND APPARATUS FOR SEPARATING LIQUID GASES. WILLIAM B. DODDS, Jersey City, N. J., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed May 25, 1922. Serial No. 503,488. 9 Claims. (Cl. 183-115.)



1. The method of separating fluids which consists in cooling a gaseous fluid, passing the cooled fluid through successively colder portions of a heat-transferring device to liquefy it, evaporating and rectifying the liquefied fluid through successively warmer portions of said device by causing the evaporating fluid to absorb its latent heat of evaporation from the latent heat of liquefaction of the incoming fluid, whereby the constituent of said fluid having a low boiling point is evaporated first and withdrawn leaving fluid rich in the high boiling constituent to be withdrawn separately from said first constituent, heating said fluid rich in high boiling constituent prior to withdrawal by means of gaseous fluid of higher temperature than said first-mentioned gaseous fluid whereby said low boiling constituent in said fluid rich in high boiling constituent is evaporated and separated therefrom and whereby said uncooled fluid is reduced in temperature, and in evaporating and rectifying said cooled fluid through successively warmer portions of said heat-transferring device.

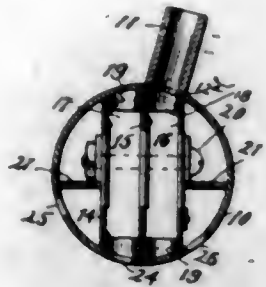
1,518,256. METHOD OF DEWATERING OR FILTERING ACTIVATED SLUDGE AND PRODUCING FERTILIZER. WILLIAM L. D'OLIER, Philadelphia, Pa. Filed Sept. 28, 1923. Serial No. 665,491. 4 Claims. (Cl. 71-6.)

3. The method of de-watering or filtering activated sludge and obtaining a material suitable for use as a fertilizer, which consists in treating the sludge with a precipitating or coagulating medium and then passing the treated sludge through a filtering bed composed of garbage tankage.

1,518,257. HARMONICA. GEORGE B. DUSINBERRE, Elmira, N. Y., assignor to Glenora Harmonica Company, Inc., Elmira, N. Y., a Corporation of New York. Filed May 19, 1921. Serial No. 470,870. 7 Claims. (Cl. 84-377.)

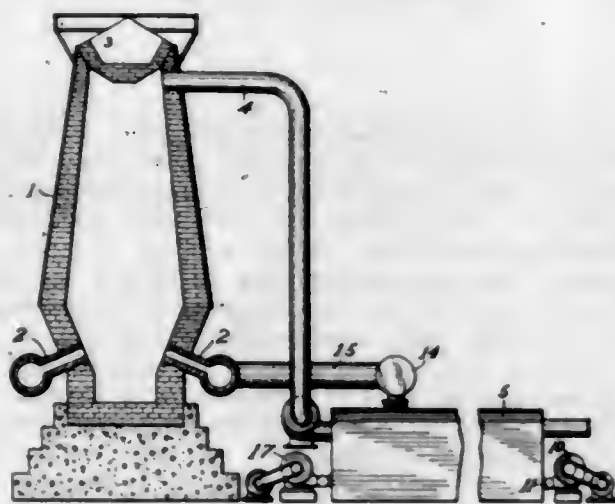
2. A musical instrument of the harmonica type comprising a part to which the mouth of the player may be applied, said part being provided with a row of openings, and a second part movable relative to the first and said second part having a plurality of rows of cells

formed by a series of parallel reed plates separated by spacer members forming partitions between the cells of each row, said spacer members being so arranged that each cell in a row is adapted to register with one of



said openings, said parts being mounted for relative movement of one with respect to the other whereby the rows of cells may be successively brought into communication with said openings.

1,518,258. APPARATUS FOR PRODUCING AND MAINTAINING HIGH TEMPERATURE. FRANK A. FAHR-ENWALD, Cleveland Heights, Ohio. Filed Mar. 2, 1921. Serial No. 449,172. 8 Claims. (Cl. 263-15.)

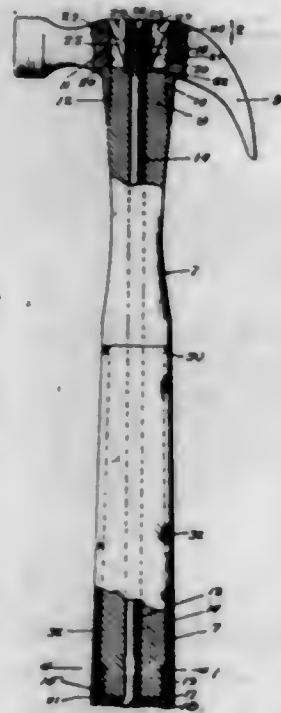


1. Apparatus for preheating oxygen-containing gas for use in a fuel fired furnace, comprising a chambered member through which are passed the heating gases produced by the furnace, a plurality of coils of pipe composed essentially of an alloy of iron and chromium located in such chamber and extending generally from the cold end to the hot end thereof, said coils having at a point intermediate their ends an outlet adapted to be connected to the combustion chamber of the furnace, and means for causing a flow of oxygen-containing gas into both ends of said coil.

1,518,259. TOOL HANDLE. DAMAS C. FILIATREAU, Chicago, Ill. Filed Feb. 13, 1924. Serial No. 692,491. 1 Claim. (Cl. 306-38.)

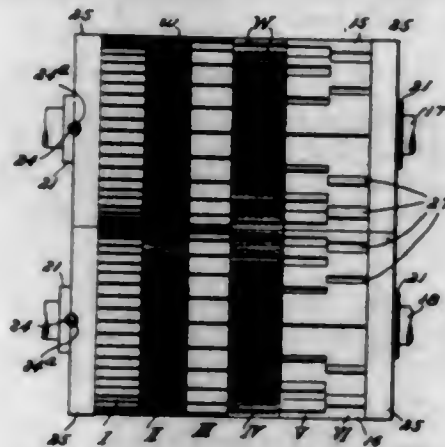
A tool handle comprising a wooden handle having an end for engagement in the socket of a tool head, said end having a cavity therein and equi-distant angularly disposed slots radiating from said cavity, a metal cap on one end of the handle, a reinforcement rod extending lengthwise through said handle and having a head bearing against the end of said cap and threaded at its other end, and a wedge member having an internally threaded tubular body portion and equi-distant angularly disposed wedge-like wings radiating therefrom, said wedge member having a noncircular countersink in its outer end and being confined in said cavity and slots of the handle, and said reinforcement rod being threadably

secured in said wedge member and coacting with said wedge member to spread the slotted end of the handle into frictional engagement with the socket of the tool



head, the threaded end of said rod being bifurcated and the furcations being bent into said non-circular countersink.

1,518,260. ROLLS FOR CANDY-MAKING MACHINES. ROBERT S. HISLOP, Racine, Wis., assignor to Racine Confectioners Machinery Company, Racine, Wis., a Corporation of Wisconsin. Filed Nov. 23, 1922. Serial No. 602,765. 18 Claims. (Cl. 107-23.)



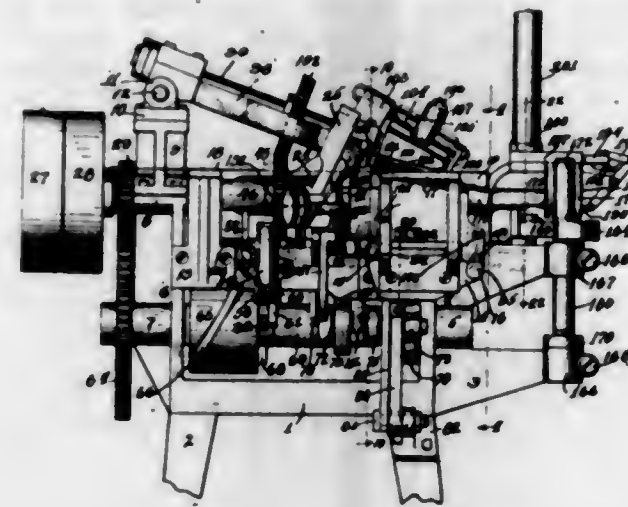
1. A roll for candy making machines having about its periphery a plurality of fixed longitudinal knives of substantially equal length and a number of different forms.

15. A roll for candy-making machines having secured to its periphery a series of longitudinally extending knives, different knives of the series being differently formed at corresponding portions of their length to provide for different lengths to cut off at different longitudinal portions of said roll.

1,518,261. MACHINE FOR MAKING PAPER CUPS. RUDOLPH HOLMAN, Chicago, Ill., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 4, 1922. Serial No. 540,961. 68 Claims. (Cl. 93-36.)

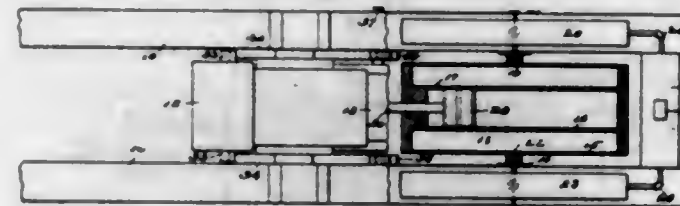
1. In a machine for forming a cup from suitably cut blanks, a pair of conical frustum rollers comprising a forming roller and a pressing roller adapted to engage a cup body blank between them with a portion of said cup body blank projecting beyond one end of said forming roller, mechanism for rotating said rollers, means

for engaging the body blank to hold the same in position on said forming roller, means for holding a cup bottom blank against one end of the forming roller, and



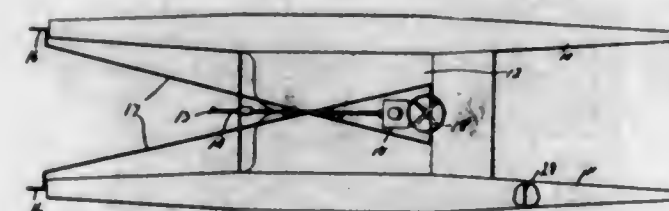
presser means formed on said pressing roller adapted to bend the projecting edge of said cup body blank over against the cup bottom blank.

1,518,262. ELEVATING MECHANISM FOR GUNS. BAYAN P. JOYCE, Davenport, Iowa. Filed Sept. 13, 1922. Serial No. 587,987. 3 Claims. (Cl. 89-41.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. The combination with a gun carriage, a cradle trunnioned therein and a gun mounted in the cradle, of an arm depending from the cradle, a cylinder trunnioned in the carriage, a piston reciprocable in the cylinder, a piston rod carried by the piston and pivotally connected to the arm, a high pressure container and a low pressure container both communicable with the cylinder, means for maintaining constant pressure in the high pressure container, rockers loose on the trunnions, means for moving the rockers to desired positions and means carried by the arm to contact the rockers and locate the gun at proper elevation.

1,518,263. HIGH-SPEED BOAT. WILLIAM H. KEATES, Philadelphia, Pa. Filed Nov. 23, 1923. Serial No. 676,480. 3 Claims. (Cl. 114-66.5.)



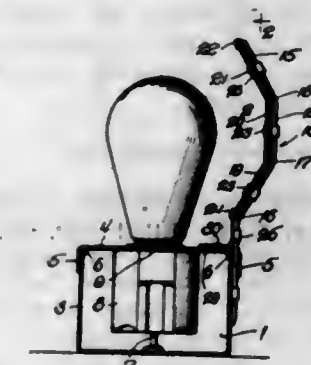
1. A boat comprising two pontoons arranged in parallelism, each of said pontoons having a portion of circular formation in cross section and having a bow provided with an overhang on each side and a deck inclined forwardly arranged between the pontoons.

1,518,264. MUTE HOLDER. EMIL KRESSE, Philadelphia, Pa. Filed Dec. 18, 1922. Serial No. 607,474. 3 Claims. (Cl. 84-311.)



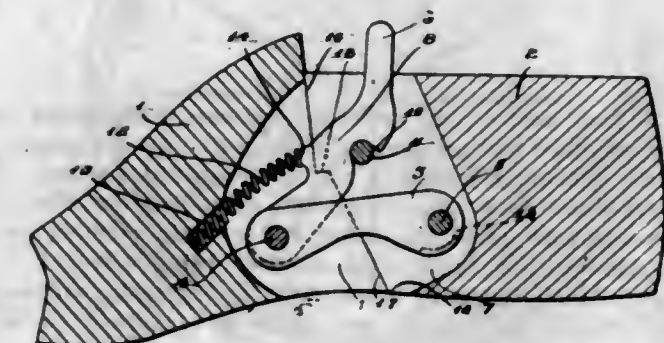
3. A mute holder bent from a strip of metal into U-shape and having the ends of the legs of the U bent outwardly to form attaching parts and the center part of the U bent between the legs for holding a mute between its prongs.

1,518,265. LIGHTING FIXTURE. ALBERT R. LOCKE, Chicago, Ill. Filed July 26, 1922. Serial No. 577,715. 3 Claims. (Cl. 240-3.)



1. A lighting fixture comprising a box-like support for carrying wiring and having a series of openings in one side for lamps; and a reflector having a framework for carrying mirrors, and a plurality of posts attached to the framework and for reception in openings in the support.

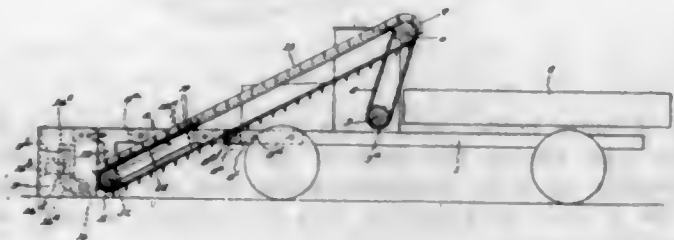
1,518,266. LAST. HENRY F. LOEWER, Rochester, N. Y. Filed July 25, 1923. Serial No. 653,765. 2 Claims. (Cl. 12-136.)



1. A last comprising a fore part, a heel part, bonding means pivotally connected to the fore part and to the heel part, a detent pivoted on the pivot of the bonding means on one of such parts and having an abutment facing towards the pivot, and an abutment on the other

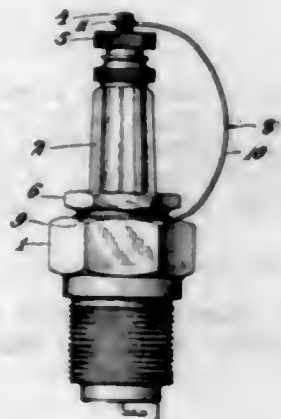
last part for cooperating with the abutment on the detent, such last mentioned abutment being arranged eccentric with reference to the pivot of the bonding means on the last part on which the abutment is arranged, and lying, when the last is expanded and the abutment on the detent is in engagement therewith, between the abutment on the detent and the pivot of the detent.

1,518,267. MATERIAL GATHERING AND LOADING DEVICE. ANTONIO MARSILIO, Nyack, N. Y. Filed May 10, 1924. Serial No. 712,178. 12 Claims. (Cl. 37-8.)



1. In a material gathering and conveying device for self-propelled vehicles, a movable front section including material gathering, conveying and transporting means connected to the front of the vehicle and controlled and steered from the latter, means for relatively adjusting said material gathering and transporting means, and means for operating said material conveying means by the vehicle propelling means.

1,518,268. SPARK-PLUG TESTER. ALBERT A. MARTELL, Woonsocket, R. I. Filed Apr. 20, 1920. Serial No. 375,295. 6 Claims. (Cl. 175-183.)



6. A test device for ignition systems, comprising a flexible member having a circular loop at one end adapted to be rotatably mounted on the grounded portion of a spark plug with the remainder extending outwardly from said spark plug, the other end of said member being formed into a hook, said member being adapted to be flexed to engage said hook with the current carrying portion of the spark plug and adapted to return to its normal position when disengaged.

1,518,269. COMPOSITE WHEEL FILLER. MELVILLE W. MIX, Mishawaka, Ind. Filed Jan. 9, 1920. Serial No. 350,469. 9 Claims. (Cl. 301-63.)

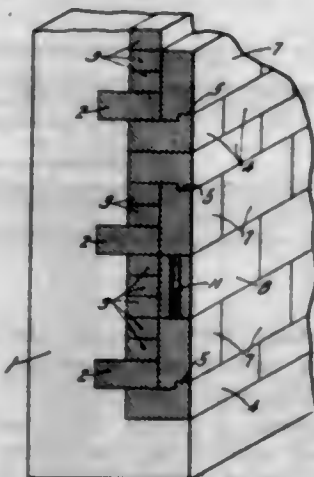
1. In wheel filler units, an interior unit comprising a plurality of laminae, laminated exterior members en-

closing said unit, and means for holding the parts assembled primarily as separate constituents and finally



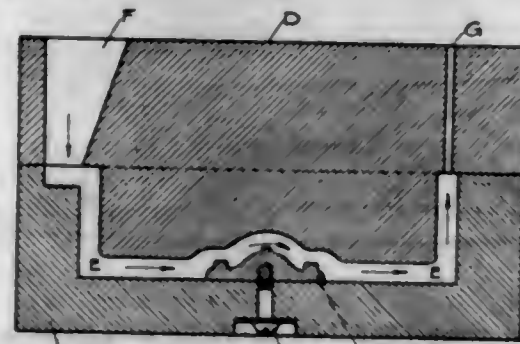
as a completed unit adapted to be subsequently used with any desired type of rim and hub.

1,518,270. FURNACE CONSTRUCTION. CHARLES N. MORGAN, Albany, and ANDREW L. KENLER, Troy, N. Y. Filed May 18, 1923. Serial No. 639,885. 9 Claims. (Cl. 72-102.)



3. In a furnace wall construction the combination of a pair of headers having plane faces in contact and projecting lips on the opposite faces adapted to engage and retain adjacent blocks in said wall.

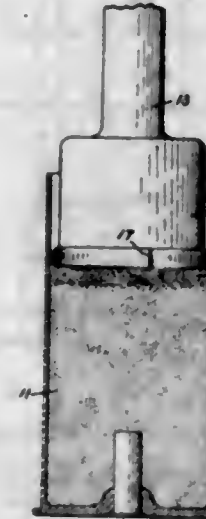
1,518,271. PROCESS OF MAKING PERMANENT METAL MOLDS FROM A PERMANENT MASTER POSITIVE MOLD. PETER W. MULDER, Imlay City, Mich., assignor to George M. Holley, Detroit, Mich. Filed Mar. 6, 1922. Serial No. 541,288. 13 Claims. (Cl. 22-193.)



1. The method of manufacturing permanent metal molds, which consists in employing a metallic master mold having a suitably fashioned surface, and flowing

a quantity of molten metal over the surface of said master mold prior to the solidification of any metal in contact with said surface.

1,518,272. RESILIENT RING. HENRY H. OLMSTEAD, Wharton, N. J. Filed July 21, 1924. Serial No. 727,333. 3 Claims. (Cl. 80-29.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



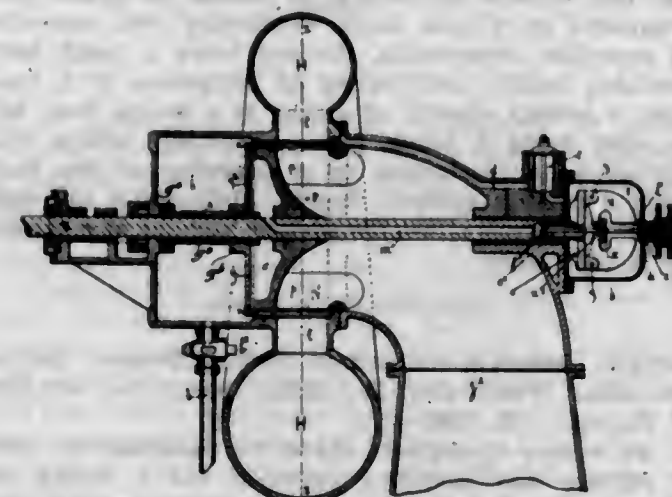
1. A device for compressing explosives in a container embodying an expansible crowning ring, and means for applying pressure to said ring.

1,518,273. ELECTRIC HAMMER. LOUIS PAULERO, Petersburg, Va. Filed Mar. 30, 1920. Serial No. 370,030. 4 Claims. (Cl. 172-126.)



2. In an electric hammer, the combination of a casing, a solenoid spool within the casing and provided with a part having a groove therein, a key penetrating the casing and provided with parts engaging the outer and inner face thereof and holding it in place therein, said key entering said groove and preventing the spool from turning, solenoids carried by said spool, and hammer mechanism adapted to be actuated by said solenoids.

1,518,274. FLUID TURBINE. ARISTIDES RIVANO, Santiago, Chile. Filed Apr. 9, 1920, Serial No. 372,523. Renewed May 2, 1924. 11 Claims. (Cl. 253-97.)



1. A fluid turbine comprising a casing having a fluid inlet and outlet, a rotary wheel, a gate to control the flow of fluid to the wheel, means to direct fluid to op-

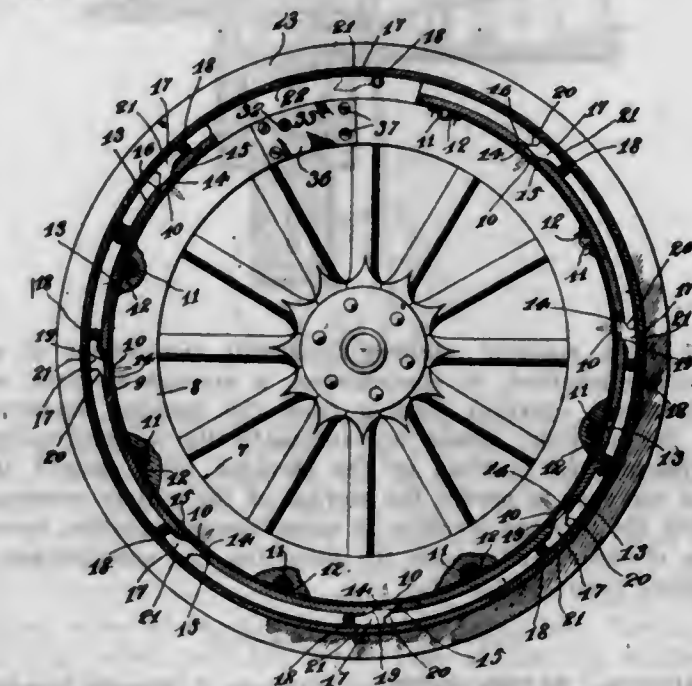
posite sides of the gate to control its position relative to said wheel, means controlled by said wheel to control said fluid, and means to permit continued fluid flow from the side of the gate remote from said wheel, said means operating to control the starting and stopping of the turbine.

1,518,275. LIQUID-DISPENSING DEVICE. WILLIAM D. ROOT, Cleveland, Ohio, assignor to The Machinery Improvement Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 31, 1922. Serial No. 564,691. 10 Claims. (Cl. 91-56.)



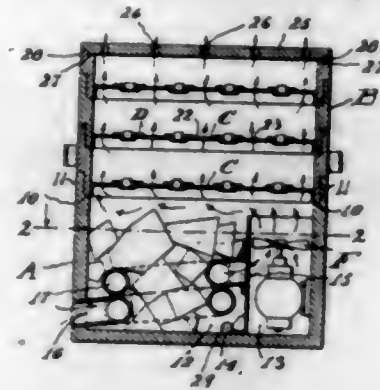
1. A dispensing apparatus comprising a reservoir adapted to contain a liquid material, a carrier normally positioned in the reservoir to be immersed in the liquid, a delivery member above the reservoir, and means by which the carrier is raised to a position above the delivery member to discharge liquid directly upon material moving over the delivery member.

1,518,276. WHEEL FOR DEMOUNTABLE RIMS. HERMAN RUDOLPH SACK, Wallingford, Pa. Filed May 26, 1923. Serial No. 641,587. 12 Claims. (Cl. 301-29.)



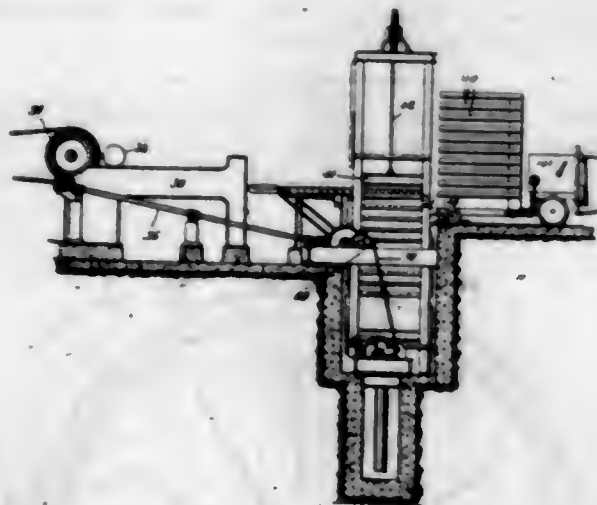
1. A wheel for demountable rims, including a ring movably mounted upon the felloe and having wedging faces; clamping blocks pivotally mounted upon the felloe, engaging the wedging faces and adapted to engage the rim, and means for moving the ring.

1,518,277. COOLING DEVICE. FRANK M. SAYFORD, Brooklyn, N. Y. Filed Nov. 30, 1921. Serial No. 518,919. 10 Claims. (Cl. 62-72.)



1. In a cooling device, the combination with a cooling portion; of a container portion superimposed on the cooling portion; the container portion being composed of a plurality of separably connected containers superimposed on each other, each of which has side walls, end walls and a bottom; said side and end walls of the superimposed containers providing the outer side and end walls of the container portion and when the container portion is superimposed on the cooling portion being aligned with the outer side walls and end walls of the cooling portion, passages in said container portion, and means in said cooling portion for circulating cooled air through said passages.

1,518,278. BRICK-HANDLING MACHINE. FREDERICK A. SCHROEDER, Bogota, N. J., and HERMAN R. SMITH, Brooklyn, N. Y., assignors to Raymond Concrete Pile Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 30, 1920. Serial No. 377,736. 19 Claims. (Cl. 214-1.)

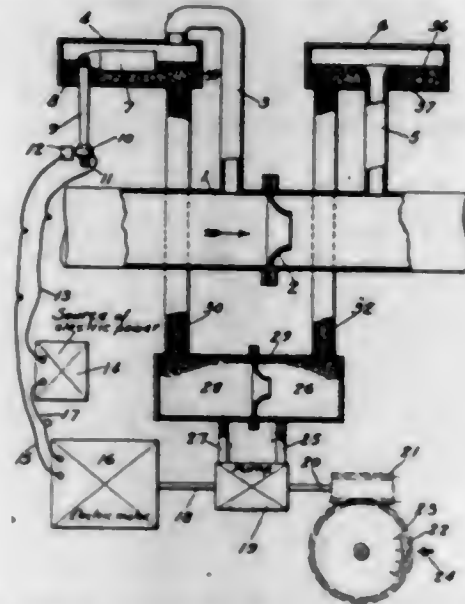


1. In a machine adapted to handle the output of a forming machine, in combination, a storage elevator, a continuous conveyor leading from the forming machine to the elevator, means for automatically intermittently adjusting the position of the elevator with respect to the conveyor to permit the storage of the pallets received from the forming machine in superimposed relation upon the elevator, and means for removing the superimposed pallets from the elevator.

1,518,279. FLUID METER. CHARLES H. SMOOT, Maplewood, N. J. Filed Mar. 19, 1924. Serial No. 700,443. 7 Claims. (Cl. 73-167.)

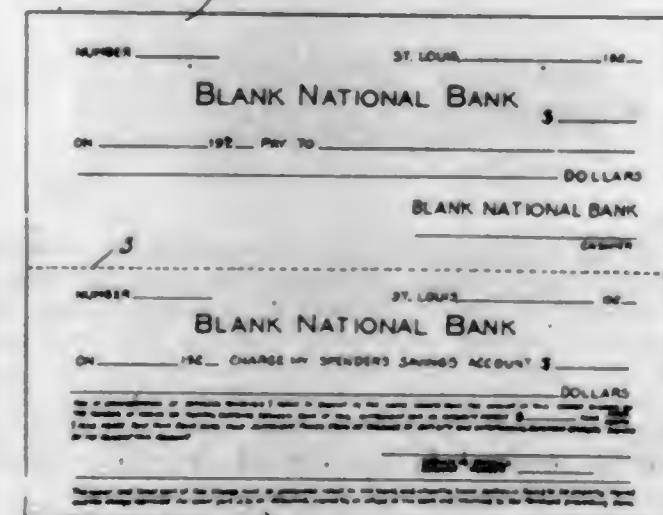
1. The process of metering a flow of fluid which consists in creating a pressure difference in the flow of the fluid, applying the high pressure of said pressure dif-

ference to a column of liquid interconnected with a second column of liquid, applying the lower pressure of said pressure difference to the liquid level of the second



column of liquid, pumping the liquid flowing from one column of liquid to the other under the fluid pressure difference and measuring the amount of liquid pumped.

1,518,280. BANKING INSTRUMENT FOR USE IN UTILIZING SAVING DEPOSITS AS A CREDIT WITHOUT WITHDRAWAL. MEREDITH M. STOCKTON, St. Louis, Mo. Filed Sept. 1, 1923. Serial No. 660,461. 5 Claims. (Cl. 283-57.)

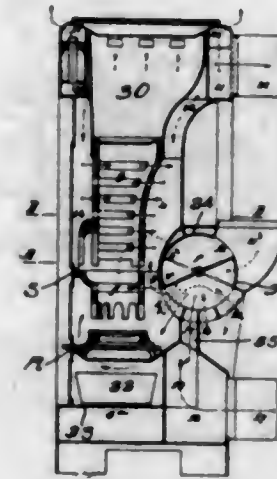


1. A banking device for enabling a savings account to be used without withdrawal in making purchases from a merchant on a cash basis, comprising two connected and separable memoranda, the one being a blank form containing indicia constituting an obligation by a bank to pay a certain amount of money at a future date, and the other being a blank form containing indicia constituting an authorization by a depositor of the bank having a savings account therein, authorizing the bank to make a charge against the savings account at a certain date in the future.

1,518,281. STOVE. MIROSLAV STÖHA, Prague, Czechoslovakia. Filed July 27, 1923. Serial No. 654,107. 2 Claims. (Cl. 126-77.)

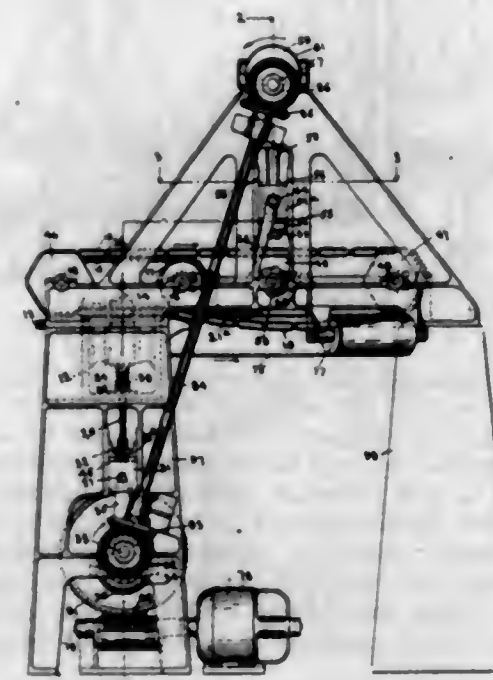
1. In a slow combustion stove, the combination, with the furnace and gasifying chamber and a casing enclosing the same, of a regulating drum having slot walls and being divided into three chambers, the space between the said gasifying chamber and the rear of the said casing being likewise divided into three

chambers, corresponding to the chambers in the said regulating drum, and means in the said regulating drum for connecting the central chamber of the said space



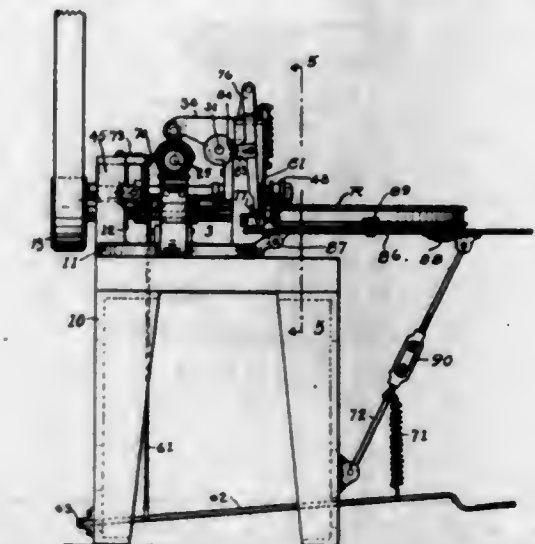
directly to the said furnace chamber, and the other chamber in the said space either directly or indirectly to the said gasifying chamber for supplying air to the said chambers.

1,518,282. MACHINE FOR MOLDING ARTICLES FROM PLASTIC MATERIAL. NAPOLEON ST. PETER, Fairfield, Me., assignor to William D. Hunt, Brookline, Mass. Filed Oct. 22, 1923. Serial No. 669,922. 13 Claims. (Cl. 92-54.)



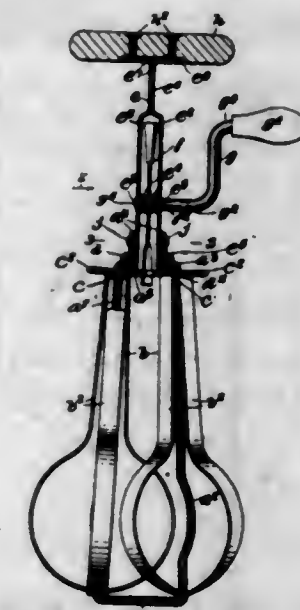
1. A pulp molding machine comprising an endless chain of container plates each having openings extending through it from side to side, means for supporting said chain to form a lower and an upper stretch and for moving the chain, step by step, a fixed downwardly facing press bed located above the lower stretch and arranged to coincide with a container plate, when the chain is at rest, so that the bed and the margins of the openings in a container plate coinciding therewith constitute a series of inverted mold cavities, a pulp tank below the press bed, means contained in the tank for segregating charges of pulp and inserting the charges in said cavities to form blanks which are frictionally retained in the cavities, and article-forming means adapted to act on the blanks in a plate in the upper stretch of the chain to convert said blanks into formed articles.

1,518,283. RIM-BURRING MACHINE. JOSEPH C. THEBERATH, Cleveland, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 10, 1922. Serial No. 559,969. 7 Claims. (Cl. 29-34.)



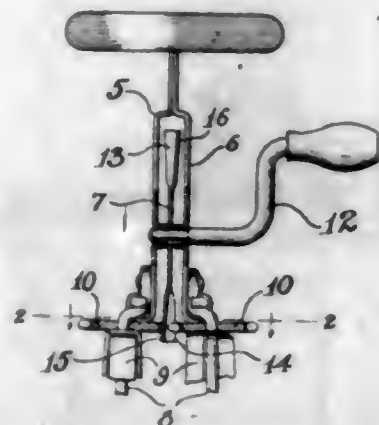
1. In a machine of the class described, the combination of a pair of rolls for operating on the article, driving means, means for forcing said rolls together to operate on the article, means for separating said rolls to release the article, means for operatively connecting the second-mentioned means with the driving means, a cutting tool for operating on the article, and means for moving said cutting tool into position to operate on the article in timed relation to the operation of the second mentioned means.

1,518,284. EGG BEATER. GEORGE WESSELL, Brooklyn, N. Y. Filed Aug. 18, 1921. Serial No. 493,382. Renewed May 8, 1924. 5 Claims. (Cl. 259-131.)



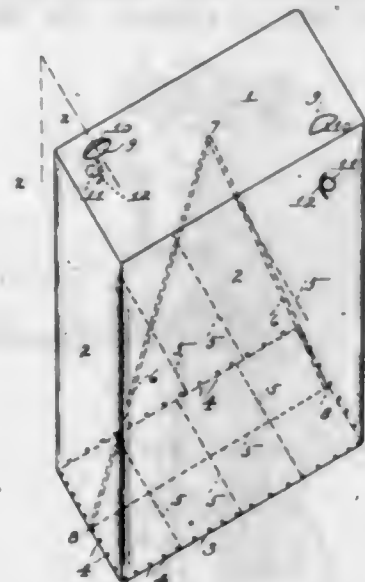
1. A beater of the class described comprising a framework composed of separate top and bottom frame members secured together approximately centrally thereof, beater blades rotatably mounted upon the bottom member of the framework, a drive wheel rotatably mounted in connection with the top member of the framework and in operative connection with said beater blades, the upper ends of the bottom member being bent inwardly and upwardly and the lower ends of the top member being fashioned to receive the upper ends of the bottom member, and a reinforcing yoke-shaped member mounted in keepers at the lower ends of said top member and engaging the inwardly and upwardly bent ends of the bottom member for securing said frame members together.

1,518,285. DRIVE WHEEL FOR BEATERS. GEORGE WESSELL, Brooklyn, N. Y. Original application filed Aug. 18, 1921. Serial No. 493,382. Divided and this application filed Nov. 25, 1921. Serial No. 517,519. 3 Claims. (Cl. 74-41.)



1. A drive wheel for beaters of the class described, said beater employing two drive pinions, the addendum circles of said pinions being tangent, said drive wheel being provided on the opposite faces thereof and at the periphery portion thereof with tapered semi-conical teeth or projections ranging radially and in the plane of said wheel and tapered from the periphery of said wheel inwardly, and the periphery portion of said wheel being adapted to be positioned and operating between the teeth of said pinions.

1,518,286. AERIAL FLOAT. MAURICE S. WETZEL, Chicago, Ill. Original application filed Mar. 17, 1919. Serial No. 283,073. Divided and this application filed Mar. 17, 1923. Serial No. 625,834. 10 Claims. (Cl. 244-21.)

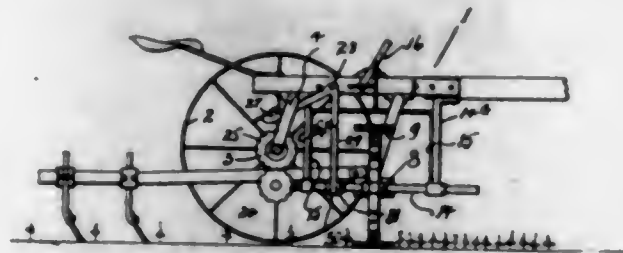


6. A collapsible float having a weighted open bottom and flexible walls forming a top and sides; flexible stays inside the float and extending between the middle portion of the top and the lower portion of the sides and adapted to hold the top and sides against outward movement.

1,518,287. COMBINATION COTTON CHOPPER AND CULTIVATOR. GEORGE WHITAKER, Brownwood, Tex. Filed Apr. 27, 1923. Serial No. 635,162. 2 Claims. (Cl. 97-12.)

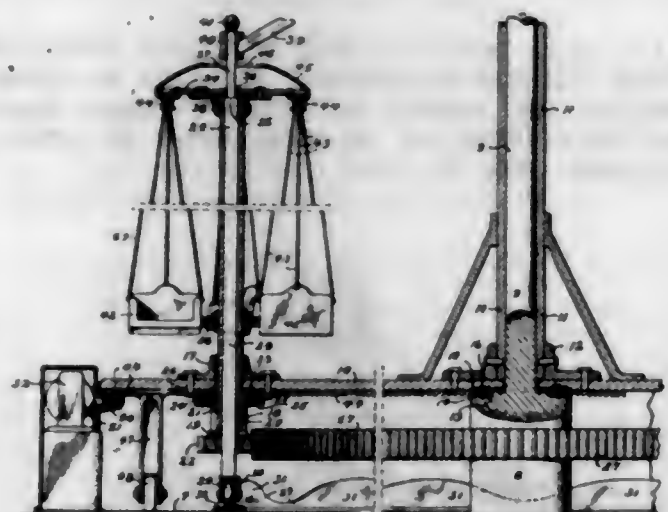
1. In a combined chopper and cultivator, in combination with a cultivator frame and its axle, a pair of spaced vertical members depending from the frame, a slidable frame having vertical sides slidably engaged with said respective pair of members, a lever pivoted

to the cultivator frame and slidable frame for raising and lowering the slidable frame, a chopper carrying shaft carried by the vertical sides of the slidable frame,



a clutch on said shaft, disengageable driving means between the axle and clutch, and a foot operated lever pivoted to the cultivator frame and connected to the clutch to operate the latter.

1,518,288. AMUSEMENT DEVICE. MEYER WOLPERT, Philadelphia, Pa. Filed Oct. 11, 1921. Serial No. 507,102. 6 Claims. (Cl. 272-37.)



3. Apparatus of the character described including a turntable; means for rotating said turntable; a fixed driving member; rotatable members carried by said turntable and driven by said fixed member; supporting means journaled in and extended above said turntable and rotated by said driven members; swings carried by said supporting means; posts on which said supporting means and swings are rotatably supported; and undulating tracks on which said posts travel to give said swings an up and down movement; substantially as described.

1,518,289. PROCESS OF MAKING MATERIAL FOR FILTERING AND DECOLORIZING. PHILIP L. WOOSTER, Manhasset, N. Y.; Lillian D. Wooster administratrix of said Philip L. Wooster, deceased. Filed Nov. 13, 1919. Serial No. 337,554. 4 Claims. (Cl. 252-3.)

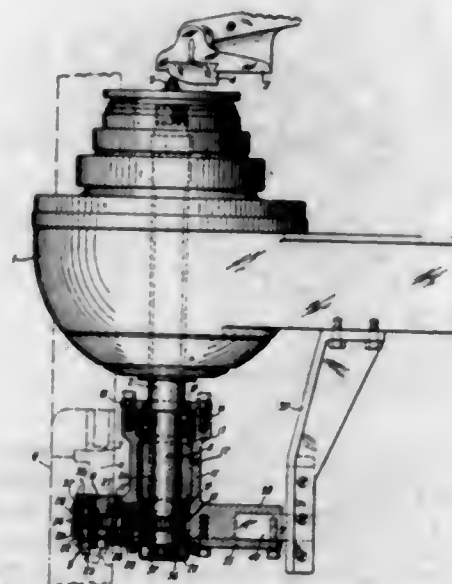
1. The process of making a filtering and decolorizing agent which consists of boiling green bone, heating it to redness, allowing it to cool in a closed receptacle in such proximity to a hydrocarbon as to effect the deposition of carbon particles in the pores of the bone, subjecting the resulting product to the action of a reagent that will reduce a substantial part of the inorganic constituents to a condition whereby they may be dissolved or washed free from the structure, washing the residue from the structure, grinding it and subjecting it to vapor, arising from the incomplete combustion of a hydrocarbon.

1,518,290. WHEEL FOR MOTOR AND OTHER VEHICLES. WILLIAM HENLEY WOBRAIL and RALPH DANIEL FLUNDER, Letchworth, England, assignors to The Web Wheel Company Limited, Letchworth, England. Filed Feb. 2, 1922. Serial No. 533,008. 2 Claims. (Cl. 301-63.)



1. In a vehicle wheel, in combination, a rim flanged to hold pneumatic tires, an annular channelled member secured to said rim and offset from the centre thereof to give easy access to the valve and a nonvibratory disc device seated and secured within said channelled member.

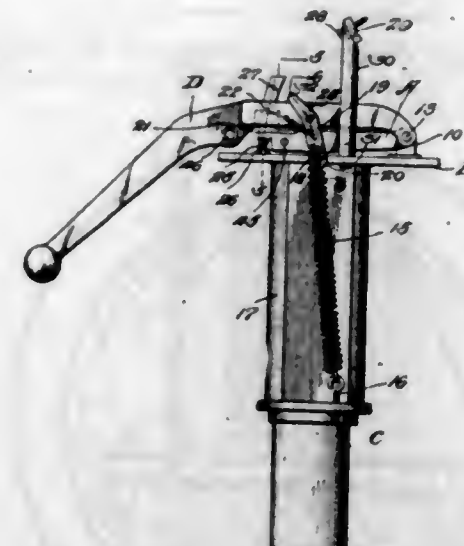
1,518,291. ENGRAVING MACHINE. ALBERT JAMES YOUNG, Preston, Ontario, Canada, assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed June 20, 1923. Serial No. 646,532. 7 Claims. (Cl. 90-13.7.)



1. An engraving machine comprising a rotatable and axially movable shaft and operating mechanism at one end thereof, the over-all dimension in the direction of the axis of the shaft being comparatively large, a rotatable and axially movable spindle spaced radially from the opposite end of and parallel to said shaft, a cutting tool mounted on the end of said spindle having a cutting edge axially beyond the spindle, and a rigid integral radially extending arm fixed against rotation about the shaft connecting said shaft and spindle in fixed spaced relation, the over-all dimension of said spindle, cutting tool, and arm, in the direction of the axis of the shaft being small relative to said first over-all dimension, and means adapted to transmit the rotatable and axial movements of the shaft to the spindle whereby the cutting tool will be rotated and moved axially, part of said means being connected to said spindle at a distance from the cutting tool.

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1,518,292. MANUALLY-OPERATED MEANS FOR DISPENSING MECHANISM. CARL GUSTAV YOUNGQUIST, New York, N. Y., assignor to Russel Sutherland Smart, Ottawa, Canada. Filed Dec. 13, 1922. Serial No. 606,645. 18 Claims. (Cl. 225-21.)



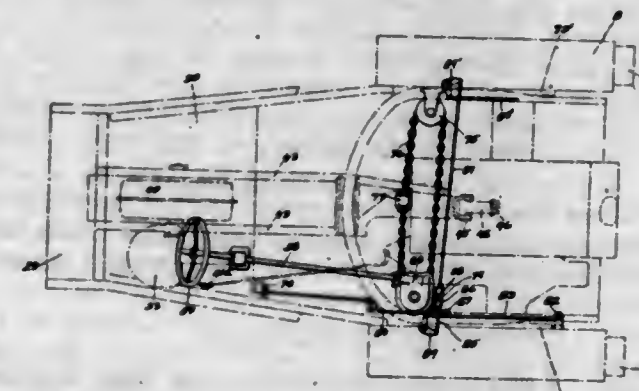
1. In a dispenser an operating member, a manual movable controlling member, means connecting the operating and the controlling member during a portion only of the movement of the controlling member whereby the operating member may complete its operation independently of the controlling member.

1,518,293. NECKBAND. JOHN ZANG, Chicago, Ill. Filed Apr. 27, 1923. Serial No. 635,015. 1 Claim. (Cl. 2-50.)



A neck band for barbers' use comprising a flexible band; a fluffy fibrous material entirely covering one side of the band and a coating of adhesive, waterproofing substance between the band and said fluffy material by which the band is rendered waterproof and by which said fluffy material is caused to adhere to the band, said structure being substantially uniform in thickness throughout.

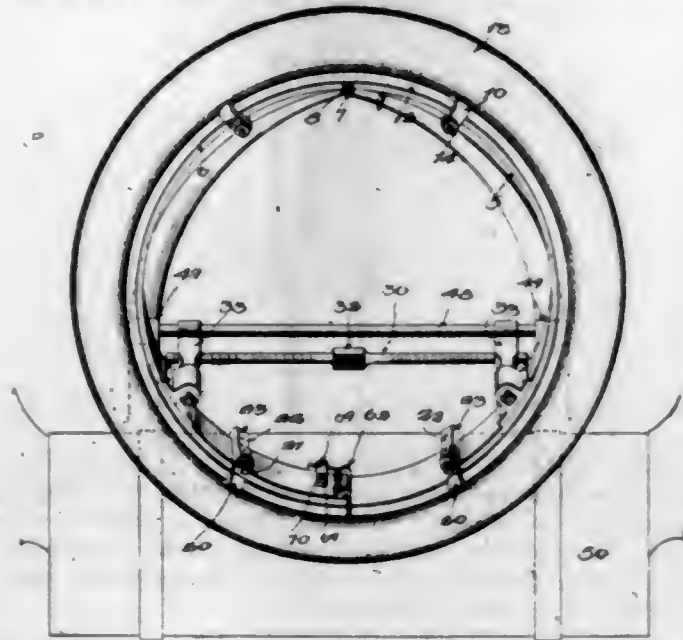
1,518,294. TRACTOR. HARRY C. ALLEN, Detroit, Mich. Filed June 6, 1921. Serial No. 475,323. 10 Claims. (Cl. 180-17.)



1. In a tractor, a frame; two traction wheels associated with said frame; driving mechanism through which said wheels are driven differentially, so that each may rotate slower than the other; steering mechanism independent of said driving mechanism whereby the tractor may be steered; two brake members associated one with each of said traction wheels; means for interrupting the

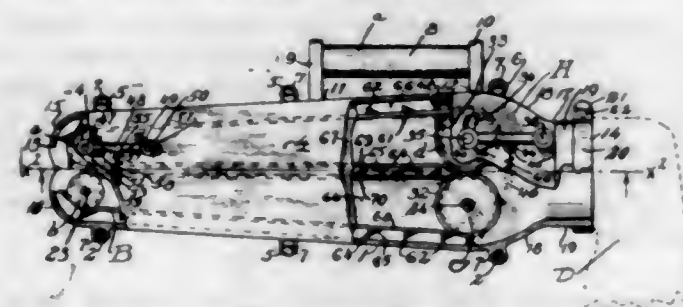
operation of said steering mechanism; and means for connecting said steering mechanism with said brake members so that either may be applied independent of the other to the traction wheel with which it is associated.

1,518,295. TIRE CARRIER. DOMINICK B. BAIMA, Detroit, Mich. Filed Apr. 18, 1922. Serial No. 553,448. 4 Claims. (Cl. 224-29.)



1. A tire carrier comprising a split body, arms securely carried by said body and projecting laterally therefrom, a feed screw having threaded engagement with said arms, and a second shaft slidably supporting the arms, said feed shaft being adapted to contract and enlarge said split body.

1,518,296. COTTON PICKER. MORGAN A. BALL, Los Angeles, Calif., assignor of one-fifth to A. S. Dixon, Los Angeles, Calif. Filed Apr. 15, 1920. Serial No. 373,996. 11 Claims. (Cl. 56-38.)

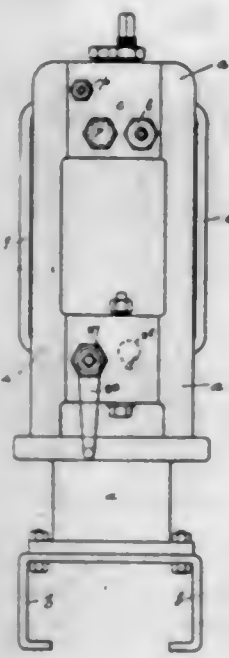


1. A cotton picker comprising a casing having an opening at its front and rear extremities, picker means mounted for travel therein and comprising endless belts provided with coacting toothed members mounted on the periphery thereof, each of said toothed members extending from an edge of a belt to a point beyond the longitudinal middle of the belt, said picker means being partly exposed through the opening in the front of the casing so that the toothed members may engage a cotton boll and remove the cotton therefrom, and mechanism for operating said picker means, there being means detachably joined to the casing at the rear opening thereof for receiving the picked cotton.

1,518,297. VALVE FOR CONTROLLING THE ADMISSION OF HIGH AND LOW PRESSURE LIQUID TO HYDRAULIC PRESSES. BERNARD CYRIL BARTON, Kingston-upon-Hull, and RICHARD HASTE CARR, Leeds, England. Filed Dec. 12, 1921. Serial No. 521,862. 6 Claims. (Cl. 138-16.)

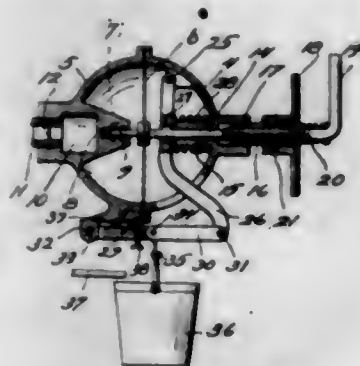
1. A valve construction for hydraulic presses and the like having in combination an upper block, a lower block, a plurality of passages in each of said blocks,

means in the outer walls of said blocks for closing the latter, means separately admitting fluid of different pressures into the top block and conducting it to the



bottom block, means in said top block for controlling the high pressure, and means in the bottom block for regulating the low pressure.

1,518,298. CONTROLLING DEVICE FOR OIL BURNERS. ELI A. BASEL, Kansas City, Mo. Filed Jan. 9, 1922. Serial No. 528,062. 11 Claims. (Cl. 158-42.3.)

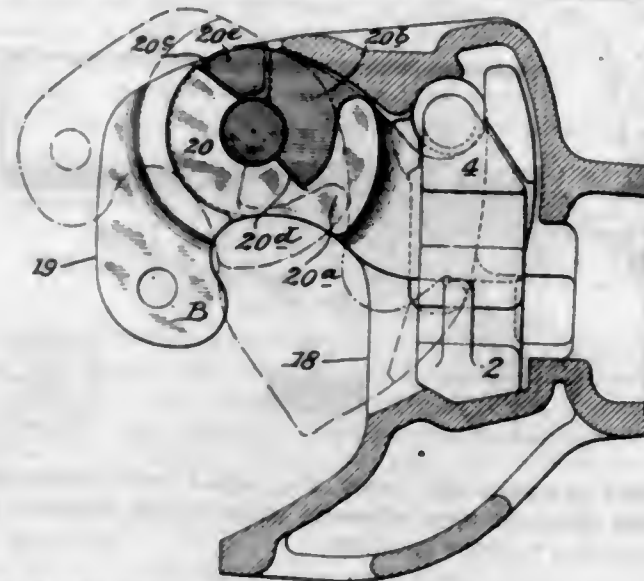


1. Valve mechanism for burners comprising, in combination with a burner fuel passage, a valve controlling the flow of fuel through said passage, means tending to hold said valve normally in open position, a remote-control valve-operating connection for regulating said valve, and automatic cut-off means adapted to operate automatically in response to a given weight of oil overflowing from the burner to close said valve independently of said remote-control connection.

1,518,299. CAR COUPLER. ARTHUR JAMES BAZELEY, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 30, 1921. Serial No. 481,468. 2 Claims. (Cl. 213-152.)

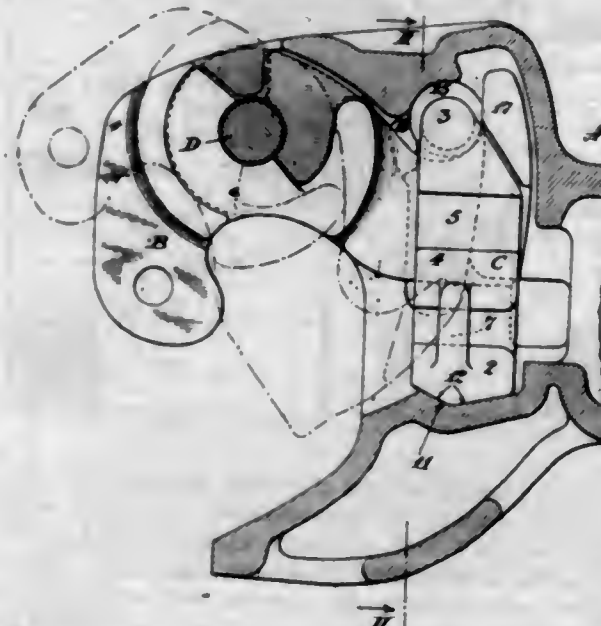
1. In a car coupler, a coupler head having ears and a knuckle therebetween, the hub of the knuckle having uninterrupted hub surfaces forward of the knuckle pin when the knuckle is in open position, the hub of the knuckle also having depressions therein to the rear of the pivot pin when the knuckle is in open position, shoulders on the hub of the knuckle beginning substantially at and extending outwardly from the pivot pin hole formed by said depressions, said depressions and

shoulders cooperating with lugs on the coupler ears to limit the outward and inward movement of the knuckle, cooperating arc-shaped shoulders on the knuckle and



ears in the region of the hub forming a pulling engagement between knuckle and ears, and in conjunction with the first named shoulders, adapted to relieve the pivot pin of lateral pressure.

1,518,300. CAR COUPLER. ARTHUR J. BAZELEY, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed June 30, 1921, Serial No. 481,468. Divided and this application filed Mar. 15, 1923. Serial No. 625,355. 4 Claims. (Cl. 213-121.)

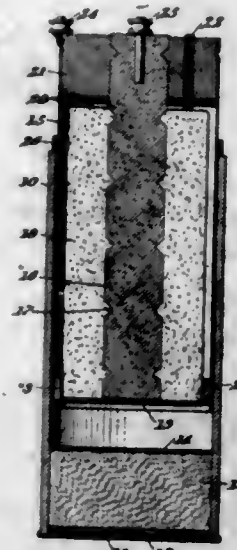


1. In a car coupler of the Master Car Builders' type, a head having therein a vertically and rotatably movable locking and opening piece and a pivoted knuckle, the coupler cavity having a vertically disposed recess on the guard arm side of the cavity, a projection on the lock extending into the said recess, said projection and recess engagement of the lock and coupler head serving to prevent the lock from being dragged forwardly out of the coupler head upon an abnormal pull of the knuckle, and means for operating the locking and opening piece.

1,518,301. DRY BATTERY. RAYMOND C. BENNER and HARRY F. FRENCH, Fremont, Ohio, assignors to National Carbon Company, Inc., a Corporation of New York. Filed Oct. 3, 1919. Serial No. 328,250. 17 Claims. (Cl. 204-38.)

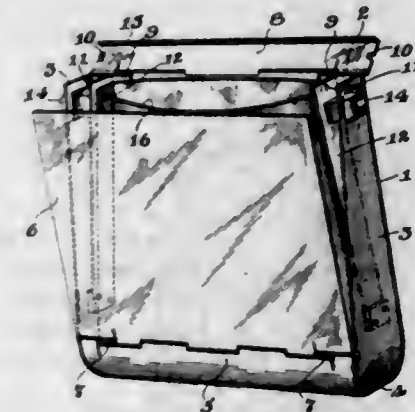
2. In a dry battery, the combination of a two-part casing comprising tubular telescoping members capable of

relative longitudinal adjustment, one of said members carrying spaced electrodes of opposite polarity, said electrodes consisting respectively of a carbon element having a molded mix applied thereto and a zinc element



encircling the same, and the other member having non-conducting walls and carrying activating material out of contact with the said electrodes, said casing members adapted by longitudinal adjustment to cause said activating material to combine operatively with the electrodes.

1,518,302. POCKET SPUTUM-CUP HOLDER. DANIEL R. BULLA, Sophia, N. C. Filed Nov. 28, 1923. Serial No. 677,454. 6 Claims. (Cl. 4-250.)

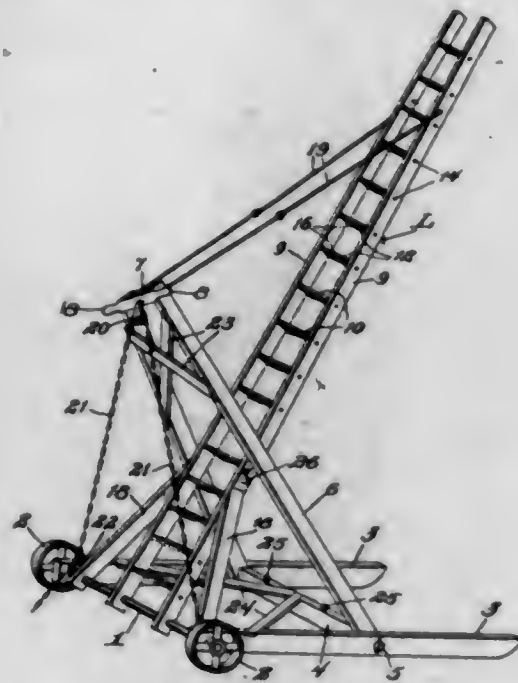


1. In a device of the class described, a cup, a holder for said cup comprising a bottom, sides and ends, a lid hinged to said holder, a spring for normally throwing said lid to open position, means engaging said lid for holding the same closed, said means adapted to be moved into engagement with the cup when releasing the lid and thereby expanding the mouth of the former.

1,518,303. LADDER. JONAS J. BYBERG, Silverton, Oreg. Filed Aug. 1, 1923. Serial No. 655,085. 2 Claims. (Cl. 228-5.)

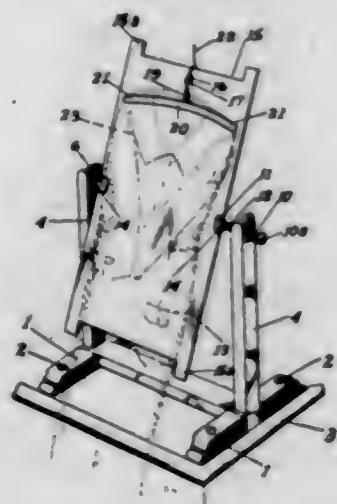
1. A device of the class described comprising a portable axle, slits engaged therewith and extending in the same direction from the axle, a ladder mounted on the axle for swinging movement, standards pivotally engaged with the slits rearwardly of the ladder and of a length to extend forwardly of the ladder at opposite sides thereof when the ladder is raised, flexible means connecting the outer end portions of the standards and the outer portion of the ladder, means for connecting the standards for unitary rotation, said means including brace members connecting the standards, braces coacting with the axle

and the opposite sides of the ladder, means for holding the standards against swinging movement under the influence of the weight of the ladder when the ladder is in raised



position, the brace members connecting the standards and the braces associated with the ladder contacting to limit the swinging movement of the ladder in the opposite direction.

1,518,304. DRESS FOLDER. BERNARD CAHN, Stockton, Calif. Filed Sept. 23, 1922. Serial No. 590,181. 3 Claims. (Cl. 223-59.)

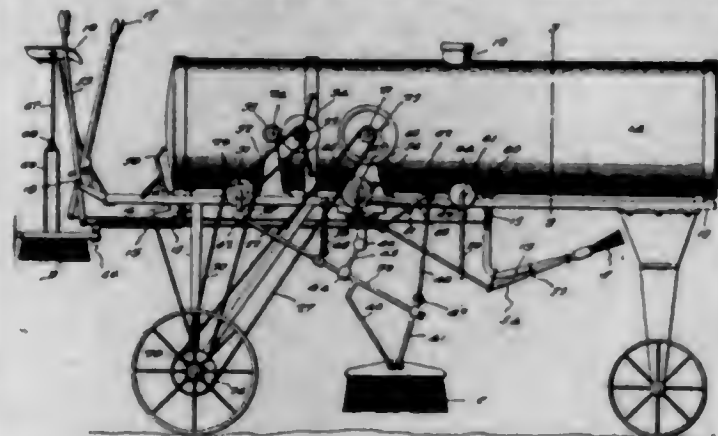


1. A unitary garment support and wrapping element for the purpose noted comprising a thin board about which the garment is to be wrapped by rotation of such board, and independent means carried by the board on which to first support and arrange the garment prior to wrapping it about the board.

1,518,305. BOLL-WEEVIL DESTROYER. HAVANAR V. CARMANS, Sherman, Tex., assignor of one-eighth to Thomas A. Petty, Bristow, Okla., and one-fourth to Lee G. Purkey and one-fourth to Clarence C. Purkey, both of Sherman, Tex. Filed Apr. 12, 1923. Serial No. 631,725. 4 Claims. (Cl. 299-39.)

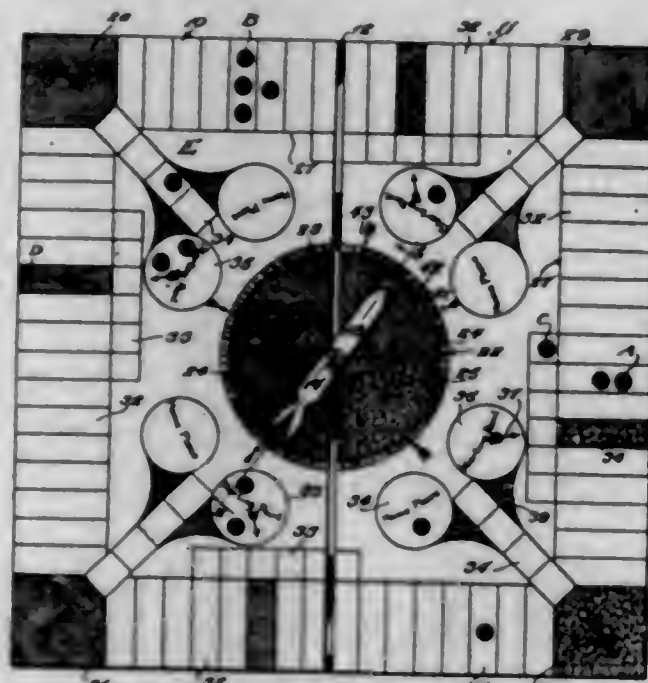
1. A machine of the character described comprising a wheeled frame, a liquid supply tank supported thereon, a pair of aligned brushes arranged adjacent the front of said machine and adapted to sweep insects from plants,

means for supplying each brush with a liquid from said tank, adjustable mounting means for said brushes, additional brushes arranged at the rear of the machine and



adapted to sweep and spray the top of said plants and brushes disposed upon opposite sides of the machine as and for the purpose specified.

1,518,306. GAME. HOBART CLEGG, Belle, Vernon, Pa. Filed May 7, 1923. Serial No. 637,225. 6 Claims. (Cl. 46-63.)

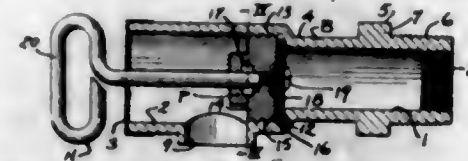


1. A game board having a central dial with a plurality of divisions numbered consecutively, a hand revolvably mounted on said dial, a track along the edges of the board having a plurality of spaces, the corner spaces of the track carrying different indicia, and a "home place" and a starting point adjacent each of said corner spaces and carrying the same indicia as the latter, the track space adjacent each of said starting points and the spaces on either side thereof having inwardly directed continuations, said continuations together forming a "get-away."

1,518,307. FAUCET. GEORGE WINTHROP COOKE, Jamaica, N. Y., assignor to George W. Cooke Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 553,145. 6 Claims. (Cl. 251-155.)

5. In a faucet, in combination; a body portion formed with two longitudinal communicating bores of different diameter and concentric; and with a transverse orifice opening into the bore of larger diameter of a diameter at least equal to the bore of the smaller diameter; a shoulder at the junction of the two bores; a thread formed on the surface of the bore of larger diameter adjacent the shoulder and extending only as far as the

near edge of the transverse orifice, the diameter at the root of the thread being not greater than the diameter of the bore of larger diameter; a plunger formed with an external thread engaging the thread of the bore of larger diameter and formed with a seat for abutting the shoulder; a handle attached to the plunger; a cap attached to the end of the body at the termination of the



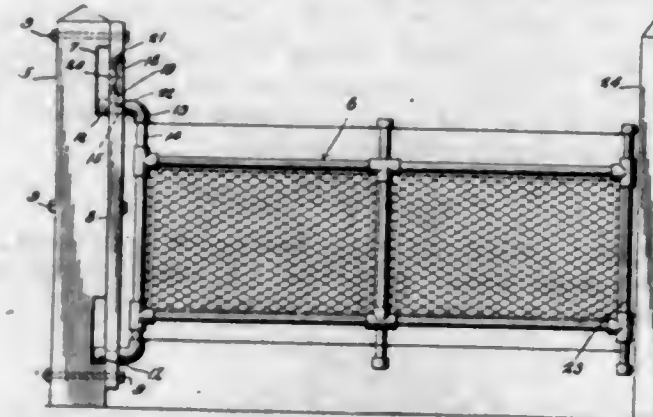
bore of larger diameter and formed with an orifice guiding the handle and through which the handle passes and against which cap the plunger may abut for limiting the movement, the plunger being of such dimensions that when the plunger abuts the cap the orifice is completely uncovered and an external thread formed on the end of the body remote from the end to which the cap is attached.

1,518,308. IMPRESSION TRAY. JOSEPH E. CRAIG, Gary, Ind. Filed Mar. 24, 1924. Serial No. 701,481. 3 Claims. (Cl. 32-6.)



1. An impression tray of the type described comprising a handle member, a pair of cooperating members forming an impression tray permanently and pivotally supported upon the outer end of said handle, said cooperating members being arranged to pivot laterally relative to said handle and to each other, whereby said members may be moved into engagement with one another or apart from one another at will.

1,518,309. GATE. EPHRAIM A. CRAWFORD and MARTHA B. CRAWFORD, Carthage, Mo. Filed Jan. 23, 1924. Serial No. 687,994. 3 Claims. (Cl. 39-81.)

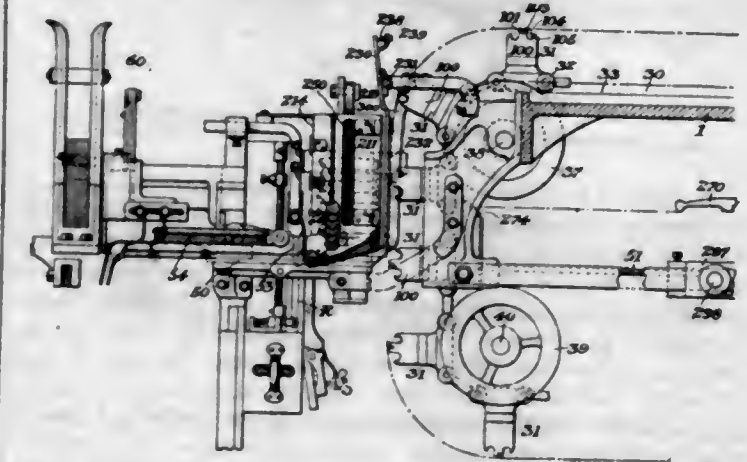


1. In a gate construction, a supporting post, a bar secured to the supporting post, said bar having elongated openings, a gate section, means forming a part of the gate section and disposed within the openings for supporting the gate section in its operative position, and means extending through the bar for contacting with that part of the gate section extending into the openings and supporting the gate section in adjusted relation with respect to the surface over which the gate moves.

1,518,310. PACKAGING AND TYING MECHANISM. JOHN T. DALTON, Durham, N. C., assignor to The American Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 16, 1924. Serial No. 693,393. 65 Claims. (Cl. 226-57.)

25. Bag handling mechanism of the class described, comprising a rotary turret, spaced bag spouts thereon, string supports for each spout, a bag conveyor, spaced

bag holders thereon, string supports for each holder, means for advancing the turret and conveyor concurrently and intermittently to associate a spout with each holder at a filling station, means for moving the holder to insert a bag carried by a spout in the corresponding holder, the respective string supports being constructed and arranged to effect automatic transfer of strings from the spout supports to the holder supports, means for automatically applying stamps to successively advancing bags, means for ejecting the bags from the successive conveyor holders and advancing them to the stamping means, and means intermediate the filling position and the stamping means for automatically drawing and tying the strings of the successive bags.



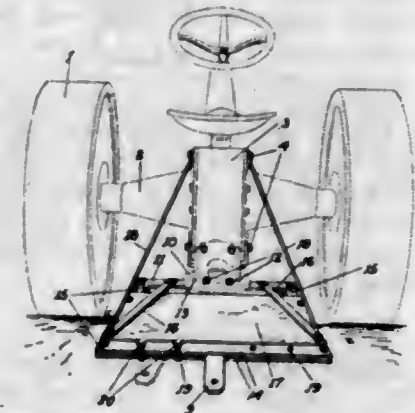
39. Tying mechanism for purposes described, comprising tiers and loopers, a string gripper on each looper, and a string notch on one of the loopers arranged outwardly from its gripper to receive and position the string portion so as to avoid drawing said portion through a loop in the formation of a single-bow knot.

42. In bag handling mechanism, an auxiliary bag magazine, means for moving it to and fro, and means for automatically permitting or restraining magazine movement in accordance with the presentation or non-presentation of bags at regular intervals adjacent to the magazine.

45. A bag magazine for purposes described, arranged to support a stack of filled and tied bags and having in one side a vertical string slot to accommodate tagged strings with the tags located outside the magazine.

57. In combination with a machine for filling, advancing and stamping strung bags, automatic tying mechanism arranged to grasp, draw and tie the strings of the successive advancing bags anterior to stamping position.

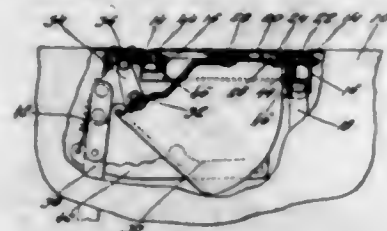
1,518,311. DRAWBAR FOR TRACTORS. CHARLES D. DAVIS, Sacramento, Calif. Filed Oct. 23, 1922. Serial No. 596,311. Renewed Oct. 27, 1924. 3 Claims. (Cl. 280-33.12.)



1. A drawbar attachment for tractors comprising a yoke adapted to be attached to the rear axle housing of the tractor ahead of the axial line, a transverse and horizontal frame structure secured to the drawbar-cap of the tractor, and projecting rearwardly therefrom, brace

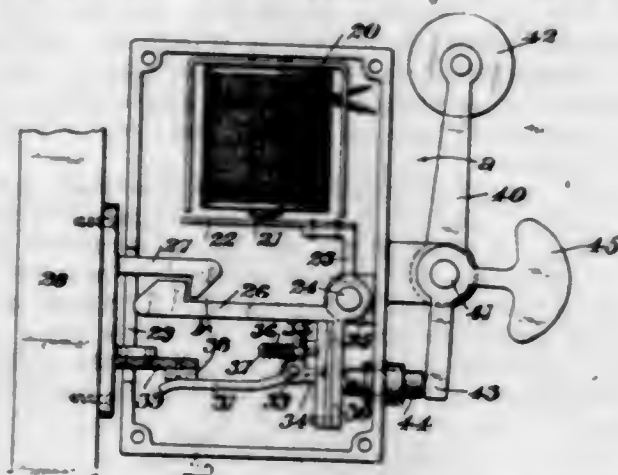
members extending from the sides of the frame rearwardly of the cap to the housing secured thereto, and a drawbar pivoted on the yoke and projecting under the frame structure, and means on the latter for supporting the drawbar.

1,518,312. COWL VENTILATOR. WILLIAM N. DAVIS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 7, 1924. Serial No. 718,540. 1 Claim. (Cl. 98-22.)



A cowl ventilator comprising, in combination, a cowl having a ventilator opening with a channel about its edge, a swinging ventilator for the opening, and a sealing strip in the channel, the sealing strip including an annular piece of flexible material, and a metal binder U-shaped in cross-section grasping the lower edge of the annular piece and fitting snugly around the inner wall of said channel, with the flexible material projecting above said wall for yielding engagement with the swinging ventilator.

1,518,313. SAFETY LOCK FOR ELEVATORS. WALLACE E. DAY, San Francisco, Calif., assignor to Spencer Elevator Co., San Francisco, Calif., a firm composed of Frank M. Spencer. Filed Aug. 21, 1922. Serial No. 583,173. 3 Claims. (Cl. 187-31.)

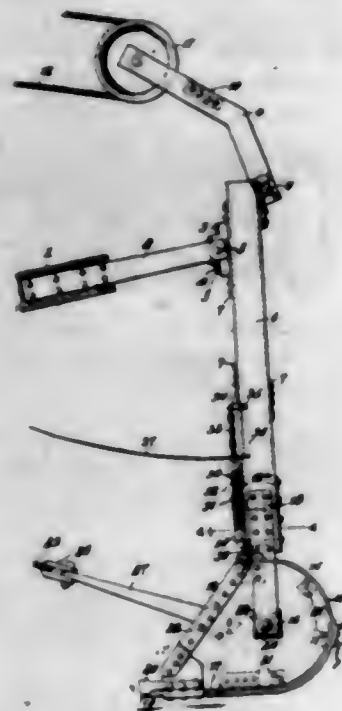


2. In combination with an elevator car having an electrical controlling system, said car being adapted to travel along a hatchway, the latter being provided with doors at various floors, a controlling switch in said controlling system, latching means at each floor normally maintaining said doors closed and latched, electromagnets having circuits maintained closed when said elevator car is in operation, said electro magnets maintaining said latching means effective when said car is in operation, mechanical means operated by the elevator car for opening the circuit of said motor controlling switch and the circuits of said magnets when the elevator car stops at a floor, said mechanical means simultaneously rendering said latching means ineffective.

1,518,314. EXCAVATOR SCOOP AND CARRIER THEREFOR. ROBERT REX DOWNIE, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed June 27, 1921. Serial No. 480,718. 6 Claims. (Cl. 214-145.)

1. In a ditching machine, a boom, a ditcher stick pivotally carried by the boom, and a scoop connected

to the ditcher stick at the end of the latter remote from the boom, said stick having connections to the scoop,



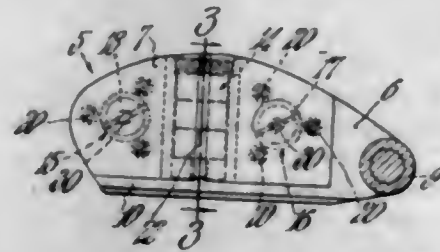
said connections being selectively varied in width to accommodate the stick to receive scoops of different widths.

1,518,315. ARTIFICIAL TOOTH. HENRIK EKLOF, Philadelphia, Pa. Filed Apr. 25, 1923. Serial No. 634,565. 5 Claims. (Cl. 32-9.)



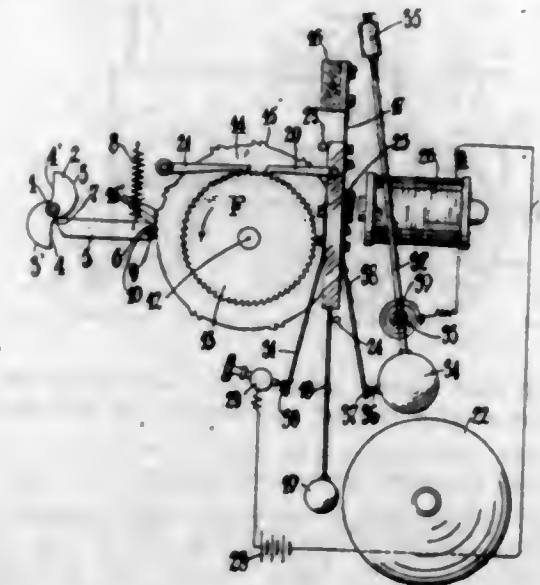
1. An artificial tooth having a base provided with a groove or channel extending from the anterior to the posterior face of the tooth, the depth of the groove or channel decreasing from end to end.

1,518,316. GOLF CLUB. ROBERT W. ELLINGHAM, Springfield, Mass. Filed Dec. 14, 1922. Serial No. 606,914. 3 Claims. (Cl. 46-4.)



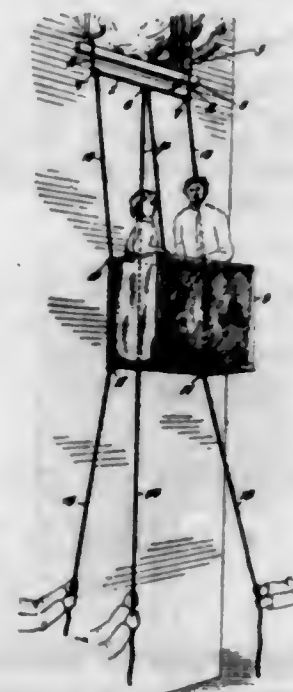
1. A putter head having a weight-receiving recess extending forwardly from its rear face substantially midway of the heel and toe, and similar recesses extending upwardly from the bottom face of the head at the heel and toe, a screw for each of said recesses each screw having a relatively short shank adapted to be threaded into the mouth of the recess and a threaded shank extension of reduced diameter, and a plurality of weights adapted to fit loosely in said recess and having threaded apertures for receiving said shank extensions whereby said weights may be assembled side-by-side upon said screws so as to be removable with the screws.

1,518,317. STRIKING MECHANISM FOR ELECTRIC CLOCKS. MAURICE PHILIPPE FAYRE-BULLE, Paris, France. Filed Aug. 21, 1923. Serial No. 658,624. 3 Claims. (Cl. 58-38.)



1. Striking mechanism for electric clocks comprising a motor device, a striking member, a pawl operated by the striking member, a ratchet wheel having ninety teeth actuated by the said pawl, a second wheel co-axially fixed to the ratchet wheel and having teeth suitably spaced, a rocking lever adapted to strike against the teeth of the second wheel, a recessed cam, a minute-hand arbor to which the cam is fixed and a pendulum whose period of oscillation is higher than that of the striking member, the operation of the parts being such that when the lever engages the cam one tooth only at a time of the second wheel is allowed to escape, the striking member thereby closing the circuit of the motor device and bringing the striking mechanism into operation by the striking member being brought into mechanical and electrical contact with the said pendulum.

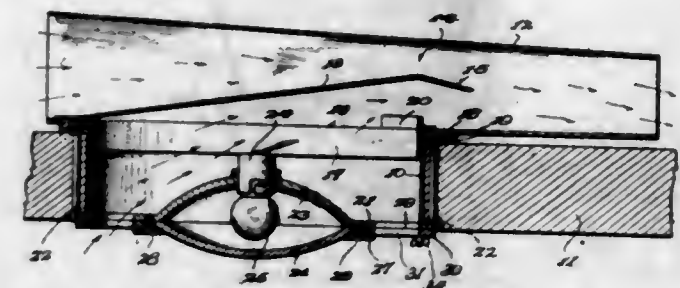
1,518,318. FIRE ESCAPE. ANNA LAW FLETCHER, Dow by marriage Anna L. Wilson, San Antonio, Tex. Filed Dec. 6, 1923. Serial No. 678,928. 1 Claim. (Cl. 227-12.)



In a fire escape, the combination with a hanger constructed of a single piece of metal and bent to provide hooks for attachment to the sill of a window, spaced end eyes, and a central eye, of a passenger-carrying basket including a frame, pairs of vertically aligned eyes

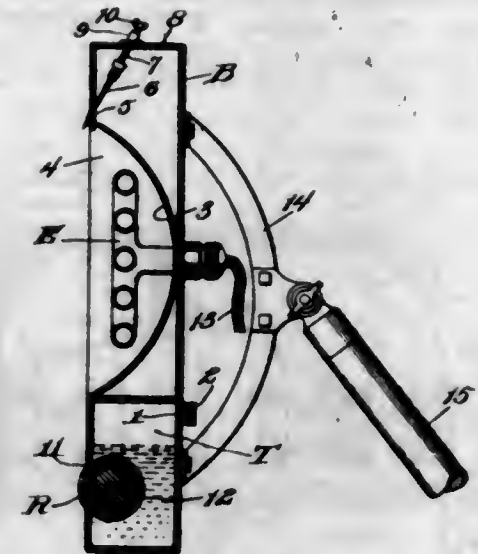
carried at the rear side of the basket at the top and bottom thereof, guide cables suspended from the end eyes of the hanger and traversing the vertically aligned eyes on the basket and extending to the ground, and a hoisting and lowering cable extending from the ground upwardly and through the central eye of the hanger and having its upper end connected to the top rail of the frame of the basket, said cables being adapted to be secured at their lower ends or to be held by hand and separated to act as a brake against the downward movement of the basket.

1,518,319. VENTILATOR FOR MOTOR VEHICLES. LEWIS D. FREEMAN and ROBERT HUNT, Portsmouth, Va. Filed June 2, 1923. Serial No. 642,929. 4 Claims. (Cl. 98-22.)



3. A device of the character described including an outlet, an aspirating hood associated with the outer end thereof, a plate associated with the inner end of the outlet and provided with an opening, a damper plate controlling flow through said opening, and an annulus having its outer margin rotatably supporting the damper plate and having its inner margin disposed to support a transparency.

1,518,320. SCRAPING IMPLEMENT. GILBERT J. GATES, Washington, D. C. Filed Jan. 31, 1924. Serial No. 689,806. 7 Claims. (Cl. 216-8.)

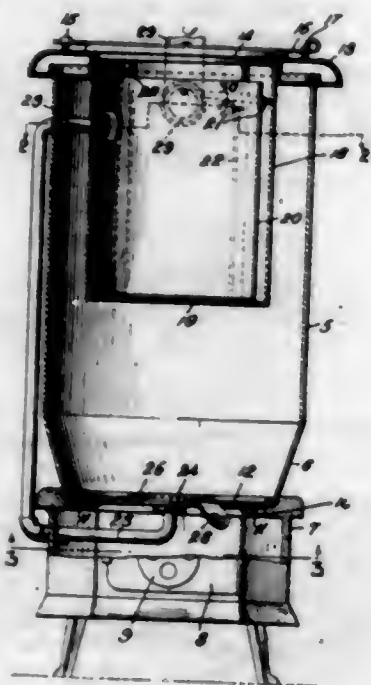


1. An implement of the class described comprising a body, moisture applying means carried thereby, heat generating means carried by the body, and a scraping means carried by the body, the heat generating means being interposed between the moisture applying means and the scraping means.

1,518,321. ALUMINUM ALLOY. ANDRÉ GEYER, Paris, France. Filed Sept. 11, 1922. Serial No. 587,582. 2 Claims. (Cl. 75-1.)

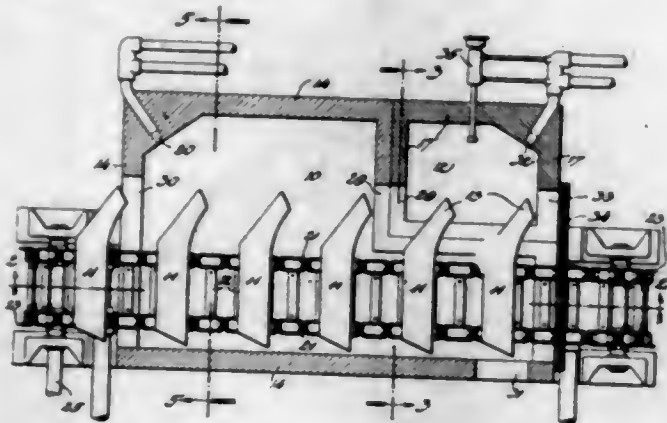
1. A process of manufacturing an aluminum alloy containing copper, manganese, magnesium and lead which comprises maintaining the mixture molten while protected on its surface by a layer of finely divided carbon containing material and stirring the metal while so protected to cause the carbon to enter the metal.

1,518,322. PEAT AND LIGNITE BURNER. HENRY N. HAGER and JAMES E. FLYNN, Thief River Falls, Minn. Filed July 17, 1923. Serial No. 652,105. 5 Claims. (Cl. 202-4.)



1. In a stove of the character described, the combination of a drum provided with an air inlet opening and a smoke discharge pipe, a fuel magazine suspended from the top of the drum and having a closed bottom, a gas burner located within the drum beneath the magazine, a gas supply pipe leading from the magazine to said burner, a passageway leading from the magazine to the smoke pipe, and a safety valve normally closing said passageway but responsive to a predetermined pressure to permit the escape of the gases into the smoke pipe.

1,518,323. HEATING FURNACE. WILLIAM H. HAZARD, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 22, 1921. Serial No. 494,269. 7 Claims. (Cl. 263-8.)

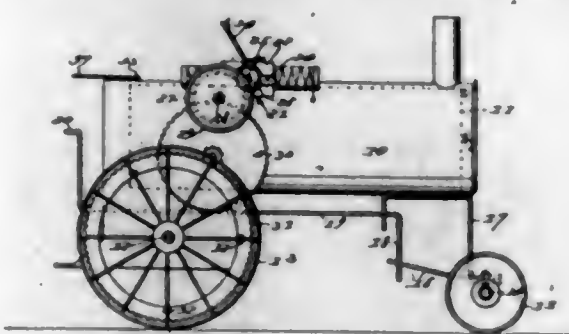


1. In a furnace of the class described, a heating chamber and means for heating the same; a second heating chamber partitioned off from but which second chamber is in permanently open communication with said first-mentioned chamber through a restricted opening; means for heating said second chamber to a temperature higher than that of said first mentioned chamber; and means for moving articles to be heated through the furnace.

1,518,324. TOY ELECTRIC TRACTOR. ARTHUR A. HEATON, Jr., Perth, N. Dak. Filed Mar. 7, 1923. Serial No. 623,450. 1 Claim. (Cl. 46-48.)

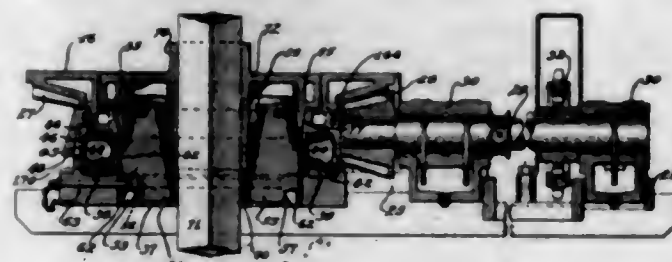
A toy simulating a steam tractor comprising a wheel-mounted frame, a battery mounted upon the frame in semblance of the boiler of the tractor, a motor mounted

upon the battery and electrically connected therewith, a brake mechanism mounted upon the battery and adapted to control the rotation of the rotor of the motor, and



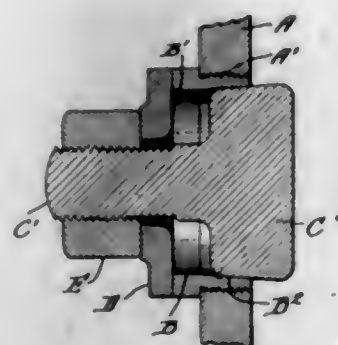
a train of gear wheels operatively connecting the shaft of the motor with one of the supporting wheels of the frame.

1,518,325. UNIVERSAL ROTARY EQUIPMENT FOR EARTH DRILLING. FREDERIC W. HILD, Los Angeles, Calif. Filed Mar. 3, 1923. Serial No. 622,582. 24 Claims. (Cl. 255-23.)



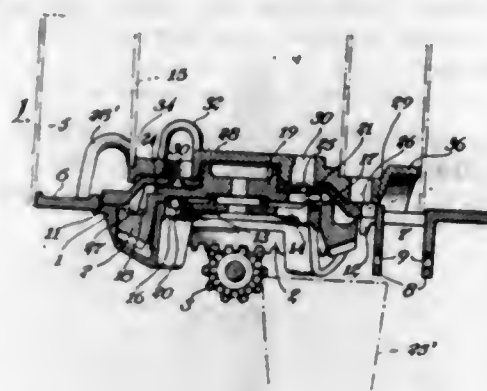
6. In a rotary machine of the class described, the combination of: a supporting socket member adapted to grip a string of pipe, which extends therethrough, with the cooperation of suitable slips; a frame for supporting said socket; and an elevator cooperative with said string for lifting said socket from said frame, said elevator consisting of cooperating conical segments adapted to fit within said socket and around said string so as to be lifted by said string, and engagement means operative between said segments and said socket for lifting said socket.

1,518,326. HANDHOLE PLUG. JOHN HENRY HORMAN, West Brighton, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Sept. 21, 1923. Serial No. 663,945. 5 Claims. (Cl. 220-25.)



1. The combination with a metallic chamber wall formed with an opening of a rigid metallic bushing member insertable into said opening from its outer end and firmly secured therein, and a tapered metallic hand hole plug entering the inner end of the passage through said bushing and prevented by its taper from passing axially through the latter but of a maximum external diameter small enough to pass through said opening.

1,518,327. SEED MECHANISM FOR PLANTERS. SAMUEL OTHO HOLLAND, Salisbury, N. C. Filed Dec. 8, 1922. Serial No. 605,631. 5 Claims. (Cl. 221-122.)



1. In a planter, a base plate provided with an annular ledge, a dropping plate, said dropping plate having a flat annular flange an inclined wall and a flat central portion, the annular ledge having a cut-out portion, the periphery of the annular flange having a plurality of cut-out portions adapted to register with the cut-out portion of the annular ledge, the base plate having an opening therein, and the flat central portion of the dropping plate having a series of holes therein adapted to register with the opening in the base plate, and means for rotating the dropping plate.

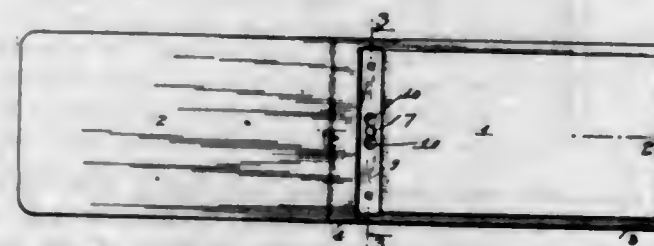
5. In a planter, a base plate, a dropping plate having an inner and an outer series of openings, two concentrically arranged hoppers, one associated with the outer series of openings, and the other associated with the inner series of openings, said base plate having a relatively large opening therein, a toothed wheel adapted to be mounted in said opening, a cover plate mounted over the dropping plate, and a guard member carried by the cover plate and extending over said relatively large opening.

1,518,328. ARTICLE MADE FROM ANIMAL INTES-TINES. ELBERT C. HOOVER and IRWIN C. HOOVER, Washington, D. C. Filed May 27, 1924. Serial No. 716,150. 8 Claims. (Cl. 117-52.)



1. A stranded cord comprising a plurality of animal intestines twisted together, said intestines having threads of fibrous material contained therein.

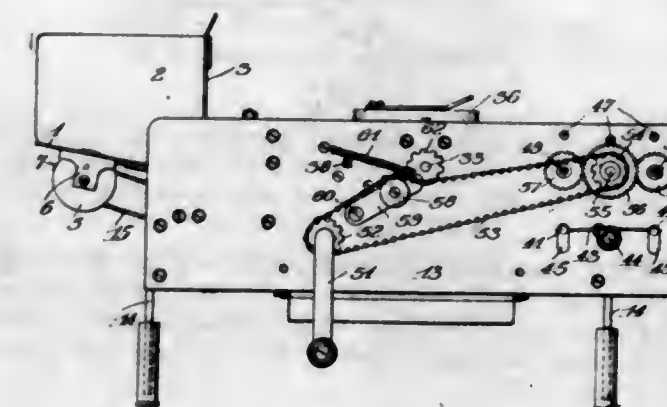
1,518,329. DEVICE FOR REMOVABLY HOLDING SHEETS OF PAPER AND THE LIKE. CORNELIUS EVAN JOHNSON, Grand Rapids, Mich. Filed Jan. 12, 1922. Serial No. 528,666. 3 Claims. (Cl. 129-23.)



1. In a device of the character described; a base carrying a post adapted to be thrust through registering openings in the device's contents and provided with a keeper adjacent its outer end; a spring member having a lug and provided with an aperture having a portion

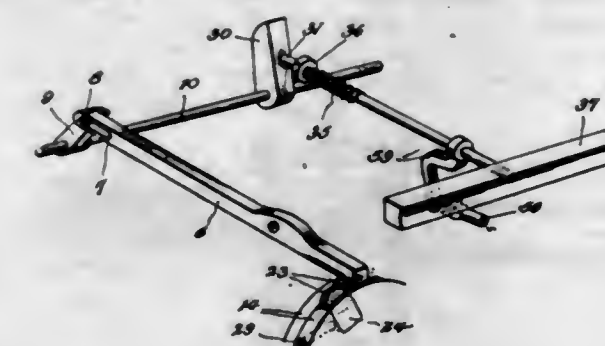
into which the post may be thrust endwise and a second portion, said member being springably movable relatively to said contents to thrust the post into the first mentioned portion of the aperture and then movable edgewise into a position wherein the second portion of the aperture is held by the keeper against outward springing movement adjacent the post and said member is urged by its elasticity to cause its lug to engage an edge of the said contents to hold said member against reverse edgewise movement.

1,518,330. ENVELOPE-SEALING MACHINE. ARTHUR J. KEISER, Rochester, N. Y., assignor to The Bircher Co., Inc., Rochester, N. Y., a Corporation of New York. Filed Jan. 2, 1920. Serial No. 348,944. 9 Claims. (Cl. 120-6.)



1. In an envelope sealing machine, the combination with a table for a stack of envelopes, a sealing device, and a continuously travelling carrier delivering to the latter, of a rotary feeder associated with the table to lie beneath a stack of envelopes thereon and operating in timed relation to the sealing device and a contact member on the periphery of the feeder adapted to intermittently frictionally engage the lowermost envelope and urge it toward the carrier.

1,518,331. VENDING MACHINE. BRUCE E. KIEFER and BERNARD E. THAXTON, Washington, D. C. Filed Nov. 19, 1921. Serial No. 516,452. 6 Claims. (Cl. 194-50.)

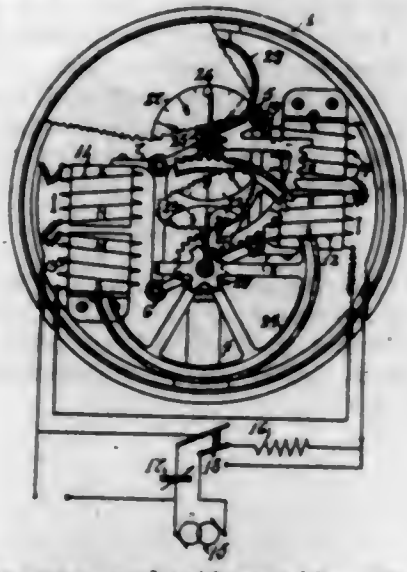


2. In a vending machine, the combination of article-delivery means, a lever arranged to actuate said article-delivery means, a coin carrier disposed below one end of the said lever, and a coin holder fitted in the coin carrier and adjustable radially therein whereby a coin supported in the holder may project more or less from the carrier and impinge against the lever to actuate the same.

1,518,332. ELECTRIC METER. AUGUST J. KLONECK, New York, N. Y. Filed Aug. 16, 1920. Serial No. 403,984. 6 Claims. (Cl. 171-05.)

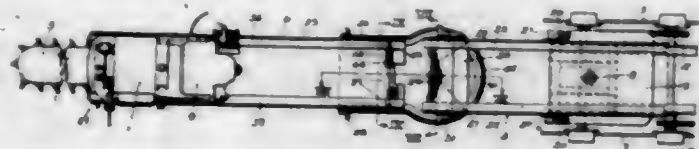
6. A measuring instrument including a plurality of similar repulsion coils arranged in an operative relation

with one another, means for balancing the weight of said coils which are movable, means for indicating units and multiples by said meter, means for operatively connecting



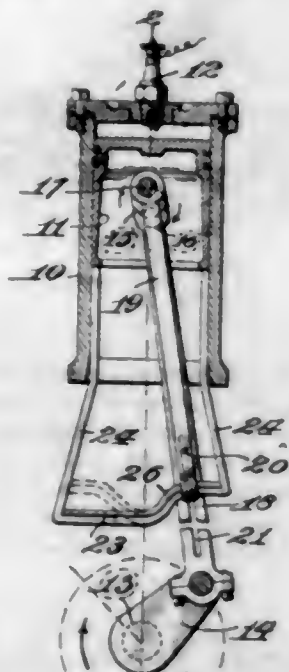
said indicating means and said movable coils, and means for retarding a movement of said indicating means, whereby the latter acts through said unit indicating means.

1,518,333. MINING APPARATUS. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Apr. 19, 1921. Serial No. 402,726. 20 Claims. (Cl. 262-20.)



7. In apparatus of the class described, the combination of a truck, a horizontally rotatable and vertically tiltable supplemental frame carried by said truck, an extension frame coupled to said supplemental frame for angular movement relative thereto, and a mining machine supporting and guiding frame slidable longitudinally of said supplemental and extension frame.

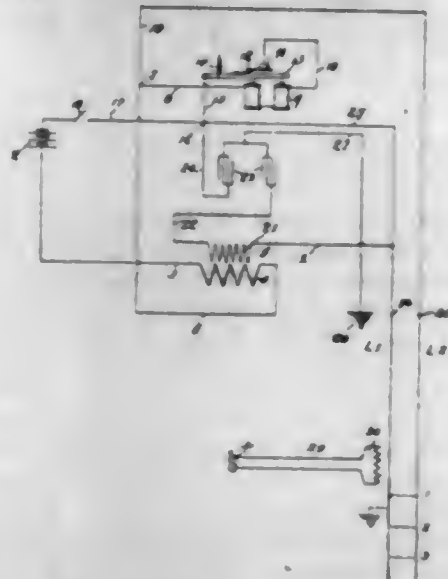
1,518,334. ENGINE-POWER-INCREASING DEVICE. ARTHUR H. MCMASTER, Los Angeles, Calif. Filed June 23, 1924. Serial No. 721,787. 7 Claims. (Cl. 123-197.)



1. In an engine, the combination with the piston thereof, and the crank shaft, of a wrist pin mounted in the piston and having a pair of bearing portions that

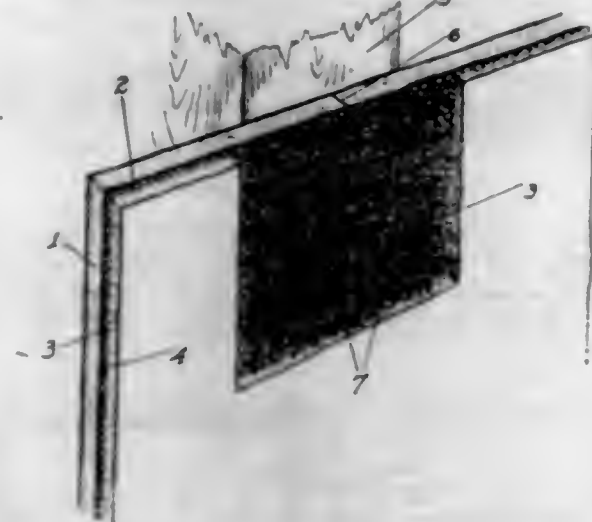
are offset relative to the axis of said wrist pin, a main connecting rod arranged between one of said bearing portions and the crank shaft, an auxiliary connecting rod connected to the other bearing portion of said wrist pin and means carried by the piston and serving as a guiding bearing for the outer portion of said auxiliary connecting rod.

1,518,335. TELEPHONE-CIRCUIT-TESTING APPARATUS. JOHN W. McNICOL, Urbana, Ohio. Filed Feb. 14, 1921. Serial No. 444,720. 2 Claims. (Cl. 179-175.)



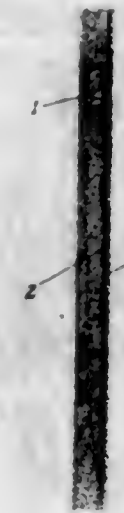
1. In a telephone circuit testing device, an induction coil including primary and secondary circuits, an interrupter situated within the primary circuit, a pair of condensers located within the secondary circuit, a positive connection between one of the condensers and the interrupter, a ground connection for the condensers, a positive connection between the primary circuit and one of the wires of the telephone circuit, and a positive connection between the secondary circuit and the other line of the telephone circuit.

1,518,336. COMPOSITE WALL CONSTRUCTION. JOHN F. MAKOWSKI, Stockton, Calif., assignor to The California Cedar Products Company, Stockton, Calif., a Corporation. Filed Aug. 6, 1923. Serial No. 655,859. 1 Claim. (Cl. 72-17.)



A composite wall construction comprising lath boards secured to studding, a projecting mechanical key or bond structure arranged over the surfaces of the lath boards, a fabric laid against such projected key and over the spaces between the lath boards, and a plastic material spread over the whole, such plastic material being flowed through and around the fabric and clinched into the projected key to securely lock the fabric to the lath board.

1,518,337. PLASTER LATH. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a Corporation. Filed Mar. 4, 1924. Serial No. 696,768. 3 Claims. (Cl. 72-124.)



1. Plaster lath comprising a base, a surface lamination thereon consisting of asphalt and a hardening element, and finely divided mineral fragments adhered to such lamination.

1,518,338. PLASTER LATH. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a Corporation. Filed Mar. 5, 1924. Serial No. 697,050. 3 Claims. (Cl. 72-124.)



1. A plaster lath comprising a base, a coating of silicate of soda over the surface of the base, finely divided mineral fragments adhered to the base, and insoluble coating over the surface of the lath.

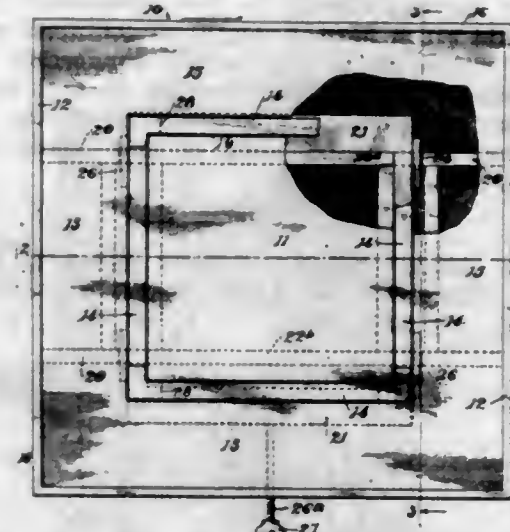
1,518,339. REFINING AND DEODORIZING ISOPROPYL ALCOHOL. MATTHEW D. MANN, JR., Roselle, N. J., assignor to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed Mar. 7, 1921. Serial No. 450,393. 5 Claims. (Cl. 260-156.)

1. The process of refining and deodorizing isopropyl alcohol derived from a hydrocarbon source which comprises subjecting the alcohol to be refined to the action of a minute proportion of an oxidizing agent, whereby the odor-producing impurities are oxidized without oxidation of the alcohol.

1,518,340. GAME BOARD. LUCIEN A. MARSH, Mill Valley, Calif. Filed Nov. 21, 1922. Serial No. 602,340. 8 Claims. (Cl. 46-55.)

1. In a game board for use in playing a game employing flat oblong playing pieces, said board comprising a playing surface, guide means formed around the cen-

ter of said playing surface and normally interrupting said playing surface whereby to assist in forming four walls of said playing pieces arranged at right angles,



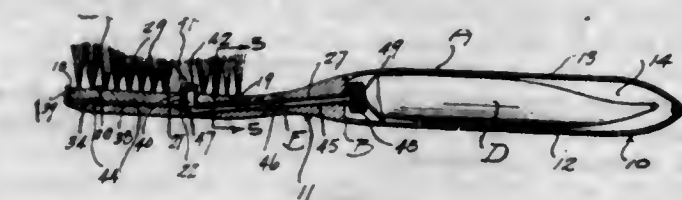
and means for operating said guide means to dispose the same in a position uninterupting said playing surface.

1,518,341. FOUNTAIN TOOTHBRUSH. ARNULFO MENDOZA, New York, N. Y., assignor to F. R. A. G. Corporation, Newark, N. J., a Corporation of Delaware. Filed July 14, 1921. Serial No. 484,749. 5 Claims. (Cl. 15-135.)



1. A fountain tooth brush, comprising in combination a supporting casing having a seat thereon, a brush head for said seat, a resilient member providing a discharge port projecting from said seat including a bead for engagement with said brush head to detachably maintain the same on said supporting casing, and means in said supporting casing in communication with said discharge port for containing dentifrice to be fed through said discharge port.

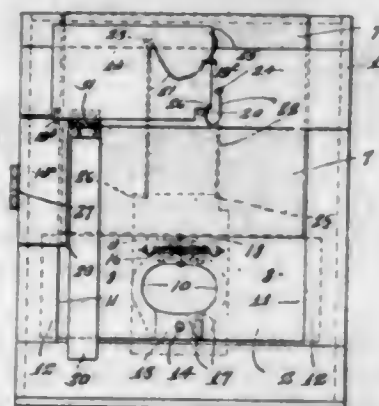
1,518,342. FOUNTAIN TOOTHBRUSH. ARNULFO MENDOZA, New York, N. Y., assignor to F. R. A. G. Corporation, Newark, N. J., a Corporation of Delaware. Filed Feb. 8, 1922. Serial No. 535,002. 1 Claim. (Cl. 15-135.)



A toothed brush comprising a supporting frame including a forwardly extending shank portion provided with a seat thereon and a hollow handle portion providing a chamber therein, said shank portion having a channel extending therethrough outletting at one end in the chamber of said handle and at its opposite end upon the seat of said shank, a brush head for detachable connection upon said seat provided with a port there-through in alignment with the outlet end of said channel, and a nozzle including a relatively long tubular stem defining a passageway therein and having an outlet opening thereon at its forward end, the axis of which is at right angles to the axis of the passageway of said tubular portion, said nozzle having the rear end thereof circumferentially enlarged for the detachable reception of the nozzles of various sized dentifrice

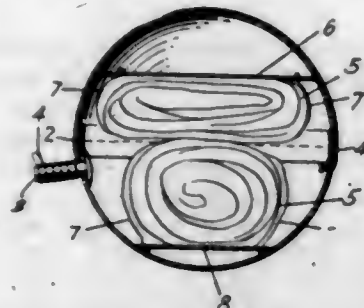
containers, said nozzle adapted to have its relatively long tubular stem inserted in said channel from the chamber of the handle of said tooth brush frame with the outlet opening thereof in direct alignment with the port in said brush head, a dentifrice container when detachably connected to the nozzle connection adapted to be disposed within the chamber of said handle so that upon collapsing of the same dentifrice may be fed through the tubular stem of said nozzle into the bristles of said brush head.

1,518,343. TRAP NEST. MERTON MEARITT, SYRACUSE, N. Y. Filed Oct. 31, 1923. Serial No. 672,001. 7 Claims. (Cl. 119-50.)



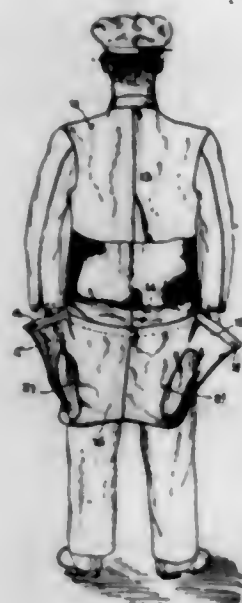
7. In combination, a trap nest comprising a box, a normally open gate, mechanism for normally holding the gate open and arranged to be tripped by the hen when entering the nest to permit the gate to close, the gate comprising a curtain fixed at its upper edge and rigid sections secured to the lower edge of the curtain, the sections being hinged together to fold about an upright axis and being formed with cutouts in their hinged edge and opening through the lower edge of such sections, such cutouts forming a passage for the head and neck of the hen leaving the nest and a tag comprising a split collar mounted on said sections in alignment with the passage and constructed to close when not held open, the sections having catches on the opposite sides of their upright axis for receiving the ends of the split collar and holding the collar open and for releasing such ends, when the sections are being pushed outwardly and moved about the axis of the hinge against the collar and the gate by a hen when leaving the nest, a second normally open gate movable vertically into and out of closed position to cover said passage when the first gate is closed, a latch normally holding the second gate in open position, the latch being arranged to be tripped by the outward swinging of the first gate, and a shield for normally preventing the tripping of such latch when the first gate is open.

1,518,344. PARACHUTE TOY. RALPH L. MILLER, Dayton, Ohio. Filed Oct. 23, 1922. Serial No. 596,257. 3 Claims. (Cl. 46-37.)



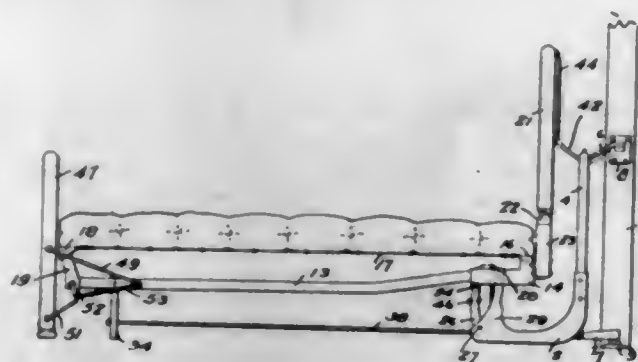
1. A toy comprising an object formed in two sections, parachute means between said sections, a band connected to one side of one section, and a projection on the other side of said section around which the free end of said band is adapted to be wound after passing completely over the outer surface of the other section.

1,518,345. UNION OVERALLS. OREDIAN T. MITCHELL, ISAAC H. MITCHELL, WAYMON M. MITCHELL, and WILLIAM F. MITCHELL, Sparta, Tenn., assignors of one-half to Dorsey B. Sain, Sparta, Tenn. Filed July 6, 1922. Serial No. 573,108. 3 Claims. (Cl. 2-79.)



1. A union overalls including trouser and shirt sections permanently joined together across the front and opening in the front, the former having a drop seat, an overvest adapted to cover the back of the shirt section in its effective position and permanently attached along a portion of its lower edge to the upper edge of the drop seat, and having side portions extending along the sides and front of the shirt section and detachably connected to the front of the garment.

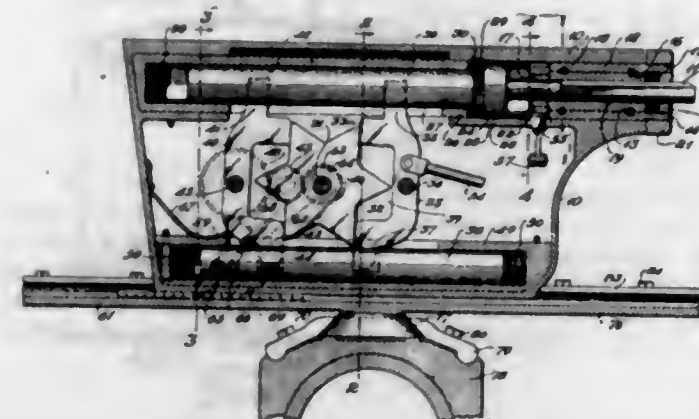
1,518,346. FOLDING BED. WILLIAM L. MURPHY, San Francisco, Calif., assignor to Murphy Wall Bed Company, San Francisco, Calif., a Corporation of California. Filed Nov. 20, 1919. Serial No. 339,390. 9 Claims. (Cl. 5-53.)



4. In a folding bed, a bed frame, a foot frame pivotally mounted on said bed frame and adapted to be turned into a position substantially parallel thereto or into a position substantially perpendicular thereto, and a spring for retaining said foot frame in either position and when said foot frame is in said perpendicular position for pressing said foot frame against the floor to support a portion of the weight of said bed frame.

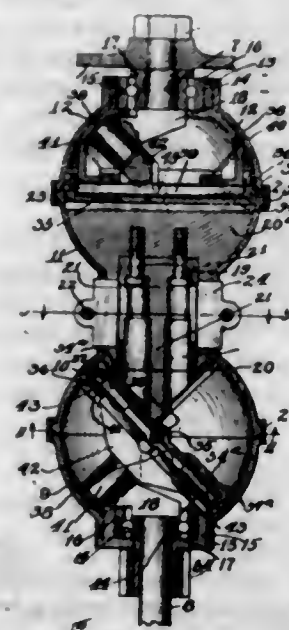
9. In a folding bed, a supporting frame, a bed frame pivotally mounted on said supporting frame, a head frame pivotally mounted on the bed frame, a guide rod fixed on said head frame and a link pivoted to said supporting frame and slidably engaged with said guide rod.

1,518,347. DRILLING MACHINE. JOSEPH M. NELSON, TODD C. MORITZ, and WILLIAM DILLEY, Denver, Colo. Filed Feb. 23, 1923. Serial No. 621,118. 13 Claims. (Cl. 253-42.)



1. In a rock drill, a reciprocating drill proper, a reciprocating hammer separate from but adapted to impinge upon the drill, a stellate power driven cam, and a pair of levers between which the cam is located, both of said levers having operative engagement with the hammer and both engaging with and being oscillated by said cam.

1,518,348. ROTATING ENGINE AND OPERATING CONNECTIONS THEREFOR. WILLIAM C. NICHOLSON, Oak Park, Ill. Filed July 7, 1919. Serial No. 309,108. 36 Claims. (Cl. 121-34.)

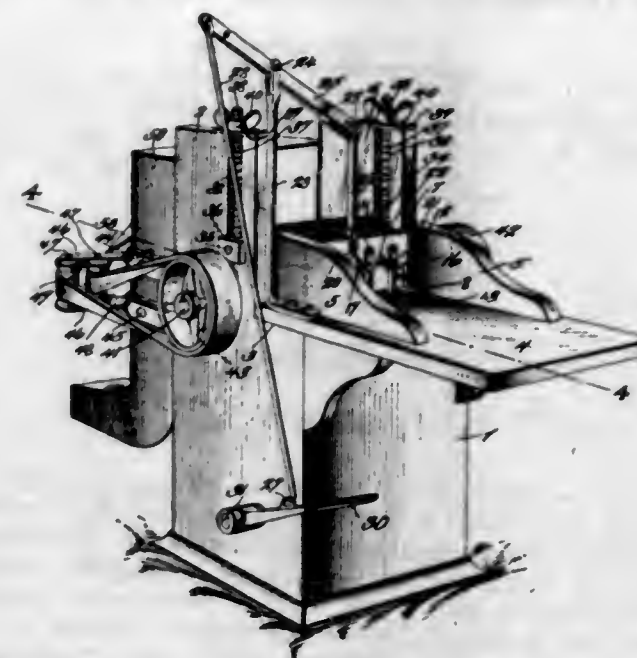


1. A device of the kind described comprising a plurality of cylinders adapted to rotate about a common axis, a piston rotating with each cylinder and oscillatable therein, and valve mechanisms between adjacent cylinders having portions thereof connected to said cylinders.

1,518,349. COMBINED TOBACCO-STRIPPING AND STALK-CUTTING MACHINE. SIDNEY OLSON, Coon Valley, Wis. Filed June 26, 1920. Serial No. 391,952. 2 Claims. (Cl. 130-31.)

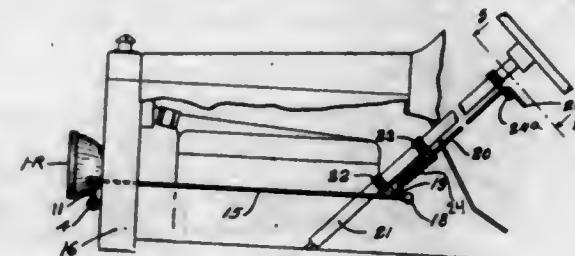
1. In a machine of the character described, a stationary frame including a feed table, a stationary jaw member extending transversely thereof, a vertically slidably mounted jaw member coacting with and overlapping said first named jaw member and spring pressed downwardly,

means for moving the slidable jaw member upwardly, coacting rollers journaled behind the jaw members, a chute leading from said rollers, a casing into which



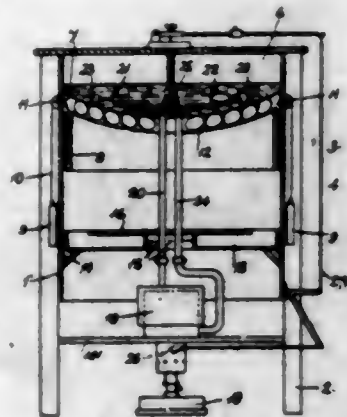
said chute discharges, a blower fan journaled in said casing at the top thereof, and a chopper rotatably mounted at the outlet end of the chute, and means for simultaneously driving the rollers, chopper and fan.

1,518,350. SAFETY HEADLIGHT. THADDEUS PARKER, JAMES C. LAWRENCE, and FRED G. DUNN, Primero, Colo. Filed May 28, 1923. Serial No. 641,836. 1 Claim. (Cl. 240-61.)



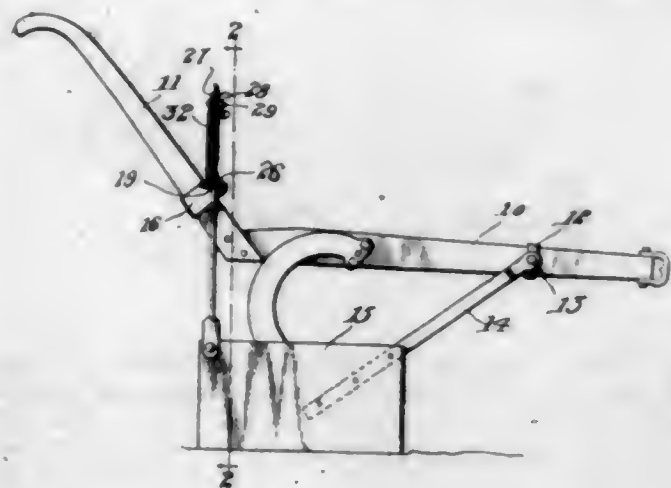
A tiltable lamp for automobiles, comprising, in combination, a frame, a pair of spaced supporting brackets rigidly secured to the frame at their lower ends, said brackets being provided with elongated bearings at their upper ends, a shaft having its ends journaled in said bearings, a crank arm non-rotatably secured to the shaft adjacent the inner end of one of said elongated bearings, a lamp support non-rotatably secured to each end of said shaft adjacent the outer end of each of said elongated bearings, said crank arm and said lamp supports extending from the same side of the shaft, nuts on the ends of the shaft for holding the parts in place thereon, a rod pivotally mounted in parallel relation to the steering post, a quadrant secured to the steering post near the upper end thereof, a handle on the upper end of the rod, said handle having an edgewise portion adapted to engage the quadrant, said quadrant having the surface adjacent the handle provided with notches, two spaced brackets secured to the steering post at a point below the quadrant, said brackets being provided with bearings for the reception of the rod, a crank secured to said rod intermediate the brackets and adjacent the lower bracket, a spring surrounding the rod, the lower end of the spring resting on the crank on the rod and the upper end engaging the upper bracket, said spring being under compression, a rodlike member connecting the crank on the shaft to the crank on the rod, and a ball and socket joint between the end of the rodlike member and the end of the crank on the rod.

1,518,351. APPARATUS FOR HATCHING THE EGGS OF BIRDS. WALTER GEORGE PERKS, Romsey, England. Filed Mar. 2, 1923. Serial No. 622,344. 8 Claims. (Cl. 119-36.)



1. An incubator for the eggs of birds, comprising a box-like framework, a liquid chamber having a flexible liquid-tight bottom in the upper part of said framework means for circulating hot liquid in said chamber, means for maintaining said liquid at a proper steady temperature, and a porous flexible egg support carried on a drawer automatically slidable within said framework when pressed downwards, said flexible support being shaped conformably to said flexible liquid-tight bottom of said liquid chamber.

1,518,352. PLOWFENDER ADJUSTER. WILLIAM G. PERRY, Temple, Ga., assignor of one-half to George M. Durrett and one-half to Wiley L. Adcock, both of Temple, Ga. Filed Sept. 12, 1923. Serial No. 662,292. 2 Claims. (Cl. 97-188.)

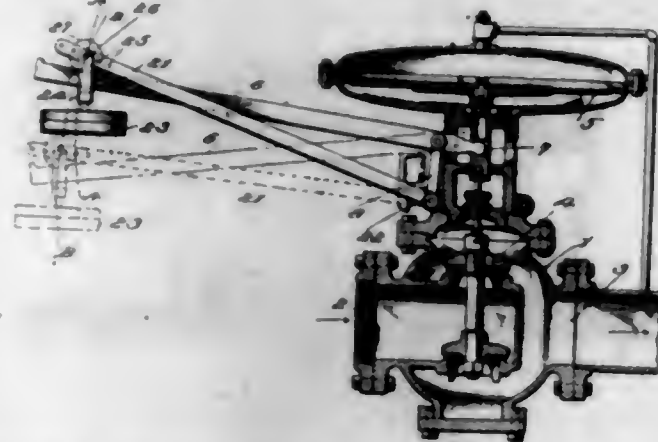


1. The combination with a guard to be arranged near a plow share, of adjustable means connecting the guard with the plow beam, an arm mounted upon one handle of the plow and having an opening formed therein, a bar slidable within the opening and having longitudinally spaced openings, means pivotally connecting the bar and guard, a stop element arranged above the arm and inserted within a selected opening of the bar, an upper laterally extending arm carried by the bar, means for connecting the upper arm with the bar so that the arm may be shifted longitudinally thereof and locked thereto at a selected elevation, and a retractile coil spring connecting the upper and lower arms.

1,518,353. PRESSURE REGULATOR. WILLIAM S. RALSTON, Pittsburgh, Pa., assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 5, 1921. Serial No. 482,324. 9 Claims. (Cl. 50-10.)

1. In a regulator of the type including a casing, a valve, a stem for said valve, a diaphragm, a lever, and a controlling weight acting directly upon said lever,

such diaphragm and lever cooperating each with the other and with said valve for effecting actuation of the valve under influence of pressure on said diaphragm, means for applying the weight of said lever to auto-



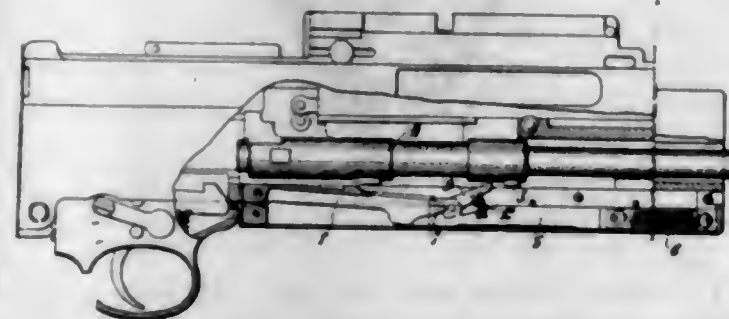
matically maintain the valve in position to effect an increased outlet pressure during peak loads or a constant outlet pressure at all loads, or an increase in pressure with an increase in load.

1,518,354. INDEX FRAME. JAMES H. RAND, North Tonawanda, N. Y. Filed Sept. 19, 1921. Serial No. 501,769. 11 Claims. (Cl. 40-64.)



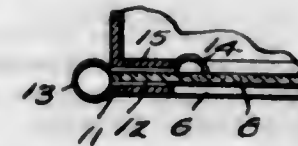
1. An index frame comprising side channels and a cover sheet bridging the space between the channels, said sheet extending into said channels but being slidable relatively thereto, and said channels being constructed and arranged to hold the ends of index slips, said cover sheet contacting with the index slips to hold the latter in predetermined position.

1,518,355. DEVICE FOR MODERATING THE SPEED OF DISCHARGE FOR AUTOMATIC FIREARMS. JEAN FRÉDÉRIC JULES REISEL, Chatelleraut, France, assignor to l'État Français, Département de la Guerre, représenté par le Ministre de la Guerre. Filed Aug. 6, 1923. Serial No. 656,071. 2 Claims. (Cl. 42-3.)



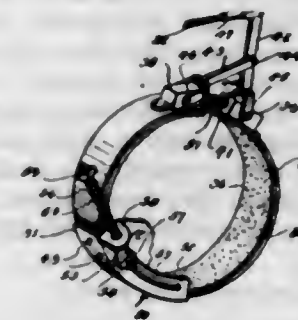
1. In an automatic fire arm, a system the sustained oscillations of which act for giving a determined period to the reciprocating movement of the breech-block of the fire arm in order to regulate the speed of firing of the same, the said system comprising a mass movable on a rectilinear trajectory and subjected to the action of the breech block and of a returning spring, a pivoted tumbler, a stop tenon being provided on the breech-block of the fire-arm so that the said tenon engages with said tumbler when the breech-block is at the end of its driving stroke, the said tumbler being released under the action of the movable mass when it is brought back by its spring, the said movable mass thus constituting an automatic trigger.

1,518,356. NAME-PLATE HOLDER. WILLIAM S. RISCO, Michigamme, Mich. Filed June 12, 1923. Serial No. 644,977. 3 Claims. (Cl. 40-132.)



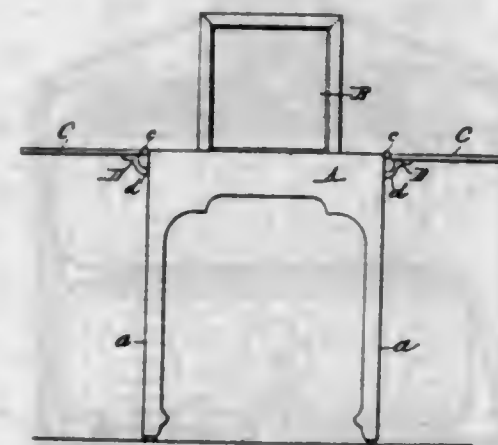
1. A device of the class described including a casing having an opening, a frame disposed about the opening of the casing, a panel slidable in the frame, and a clip disposed on one end of the panel and including a resilient curved extension for engaging the frame and preventing accidental displacement of the panel.

1,518,357. BRAKING MECHANISM FOR VEHICLE TRAILERS. ELMER L. RITTER, Cosby, Mo. Filed July 12, 1923. Serial No. 651,118. 4 Claims. (Cl. 188-112.)



1. A brake mechanism for a trailer, the trailer having a tongue provided with a slot, a lever disposed in said slot and pivoted to the tongue, a guide bracket for the lever below the tongue, means on the lever for connection to a drawing vehicle, a cross bar on the lever, rearwardly diverging rods connected to the cross bar, and brake devices operable by said rods.

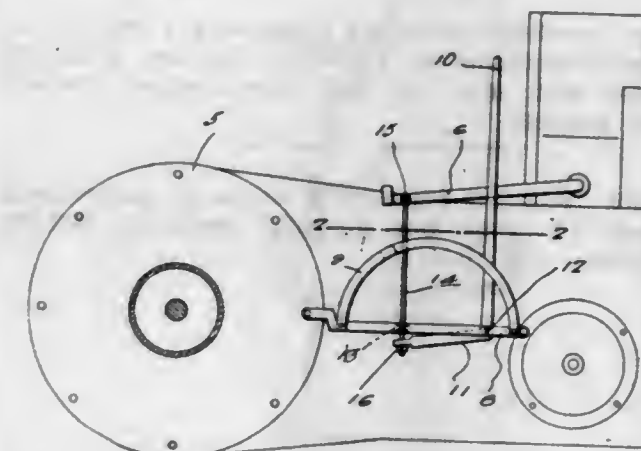
1,518,358. POUFREUSE. JOHN ROXAYNE, New York, N. Y. Filed Jan. 15, 1923. Serial No. 612,832. 1 Claim. (Cl. 45-5.)



In a table, the combination of a rectangular upper body portion, a pair of leaves hinged to said body portion and closing the same when swung to a horizontal position thereover, and standards extending upwardly and outwardly from said leaves when the latter are located to close said upper body portion, said standards in this position functioning as handles for the table, and tending to tightly close said leaves with the upper portion of said table when pressure is brought under the outer portions of the standards, said standards bear-

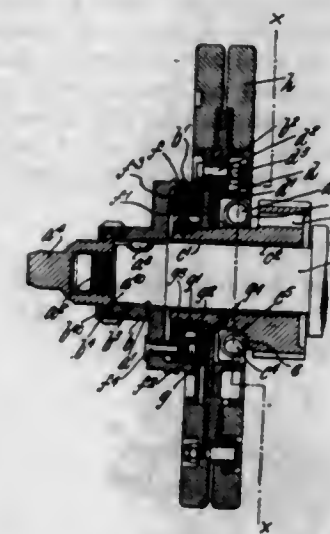
ing against the sides of the table and functioning as supporting brackets, when said leaves are swung one hundred and eighty degrees from their first position, to uncover the upper body portion of the table.

1,518,359. HAND CONTROL MEANS FOR CLUTCH PEDALS. CHARLES H. ROSSMAN, Spring Mills, Pa. Filed Jan. 7, 1924. Serial No. 684,848. 2 Claims. (Cl. 74-39.)



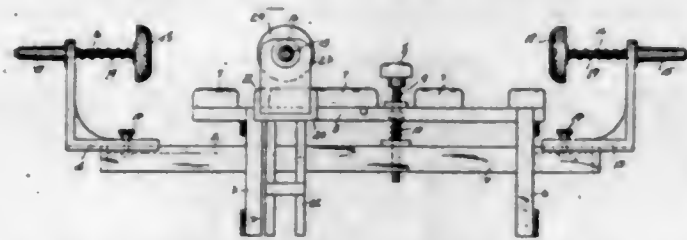
1. In combination with the clutch pedal of a tractor, a pair of segments rigidly secured in spaced relation to each other, a bar formed upon the lower end of the innermost segment and adapted to be rigidly secured at its opposite ends to the tractor at a point directly beneath the clutch pedal thereof, a bell crank pivotally secured to the bar of said segment one arm of which is arranged vertically for serving as a hand lever, and which is guided between said pair of segments, and an operative connection between the other arm of said bell crank and the tractor clutch pedal.

1,518,360. MOUNTING OF ENGINE GEARS. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England. Filed May 14, 1924. Serial No. 713,286. 4 Claims. (Cl. 74-6.)



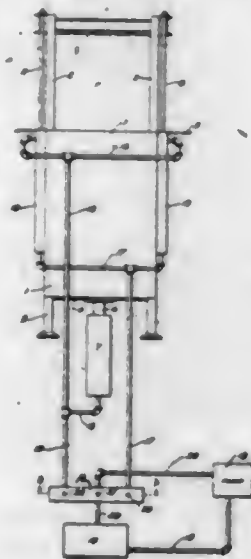
1. In gearing for internal combustion engines, the combination, with an engine shaft, of a gear rotatively mounted thereon; alternate, spaced projections associated with the shaft and gear extending outwardly from the latter and inwardly from the former; springs interposed between the projections of the shaft and gear, respectively; and frictionally-engaging members consisting of a plate rigidly secured to the gear, a plate rigidly secured to the shaft, and a spring-loaded pressure member adapted to press said plates together with frictional contact.

1,518,361. EXERCISING APPARATUS. HENRY M. RUDEN, Allington, Conn. Filed July 12, 1923. Serial No. 651,032. 3 Claims. (Cl. 272-79.)



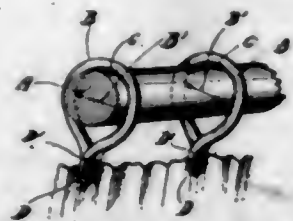
1. An exercising apparatus, comprising a table, a bar arranged longitudinally therewith, brackets adjustably connected with said bar, and resistance-pads mounted on said brackets.

1,518,362. BALING PRESS. WILLIAM H. SALLWASSER, Chicago, Ill. Filed Mar. 27, 1924. Serial No. 702,265. 5 Claims. (Cl. 100-19.)



1. In a baling press, the combination of a box open at the top, a vertically-movable platen arranged in and forming the effective bottom of the box, a vertically-movable platen arranged above and adapted to form a closure for the top of the box, power devices acting on said platens to move the same, and means for controlling said power devices to cause them to hold the upper platen raised independently of the lower platen, to cause the upper platen to be held in its lowered position while the lower platen is moved up to compress the contents of the box between the same and the upper platen, and to cause both platens to rise together to carry the compressed contents of the box out of the upper end of the box.

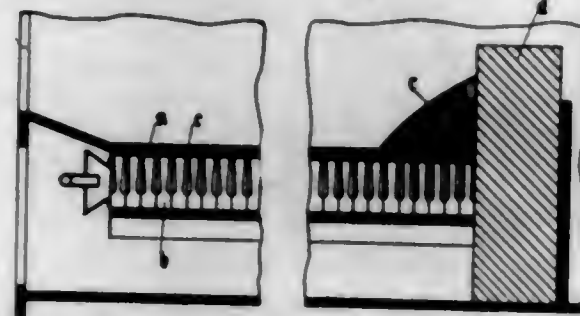
1,518,363. CURTAIN RING. DICKRAN M. SARKISIAN, Forest Hills, N. Y. Filed July 15, 1921. Serial No. 484,900. 1 Claim. (Cl. 156-20.)



A curtain ring comprising a body portion formed of a single piece of wire, said body portion having a semi-circular opening in its upper portion and depending portions extending downward therefrom substantially parallel to each other for a predetermined distance, converging portions below the said parallel portion, said converging portions uniting to complete the ring, and an eyelet formed integral with an end of one of said converging portions, the opening through which has its axis dis-

posed at a right angle relative to the opening in the body of the ring, said eyelet consisting of a disk shaped flange formed by flattening the said end by a die and punch operation so that the flange is countersunk on each side.

1,518,364. FURNACE GRATE. WALTHER SCHELLENBERG, Barmen-Rittershausen, Germany. Filed Aug. 1, 1922. Serial No. 578,994. 2 Claims. (Cl. 110-74.)

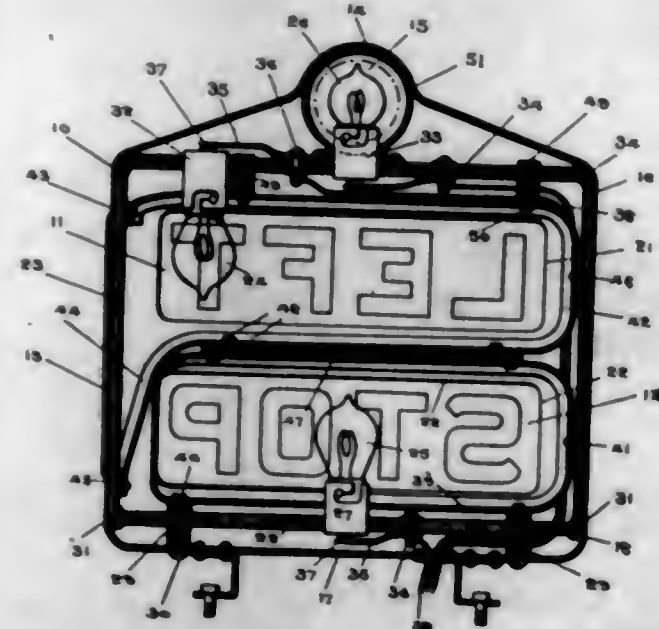


1. A furnace comprising a grate and bars forming said grate and extending transversely thereof, said bars having lateral excavations and a plurality of transverse openings, the excavations of contiguous bars forming transverse slots opening into the upper surface of the grate, while the openings of the several bars register with each other and form longitudinal passages extending transversely to and communicating with said slots and a plurality of similar bars increasing in height arranged at the end of said grate, the longitudinal passages in said latter bars being interconnected by transverse passages.

1,518,365. OINTMENT. NAZIK SHAHAZIAN, Washington, D. C. Filed June 23, 1923. Serial No. 647,377. 1 Claim. (Cl. 167-9.)

A composition consisting of sesame oil, mutton tallow, beeswax, castile soap, tar, and gum mastic, in substantially the proportions specified.

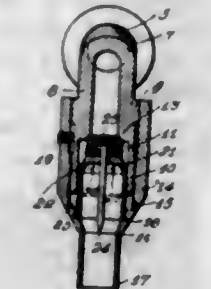
1,518,366. VEHICLE SIGNAL. NELSON TALMAGE SHORTS, Fern, Pa. Filed Dec. 18, 1922. Serial No. 607,559. 6 Claims. (Cl. 177-329.)



6. A signal device comprising an upright skeleton frame having horizontal openings in one wall, one above the other, and having a vertical opening in another wall, a reflector surrounding one of said horizontal openings, another reflector partly surrounding the other horizontal opening and having its terminals extending to the upper and lower ends of the vertical opening, said reflectors

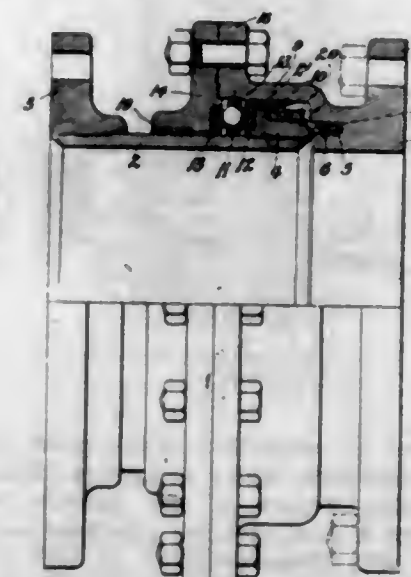
being disposed in and supported by said frame, lamps carried by the frame within said reflectors, and a casing to slip down on said frame and having horizontal and vertical panels to register with said openings, one terminal portion of the second named reflector extending at an angle between the vertical opening and the corresponding end of the first named reflector.

1,518,367. FAUCET. SAMUEL H. SPEYER, New York, N. Y. Filed Sept. 9, 1921. Serial No. 499,498. 1 Claim. (Cl. 251-8.)



A faucet comprising a pipe having a right-angular extension having a hollowed-out exteriorly screw-threaded extremity, a channel formed in the angular extension of said pipe, a housing adapted to receive the angular extension of said pipe; said housing being screw threaded for interengagement with the threads on the pipe, a screw passing through said housing and into said channel to limit the movement of the housing relative to the pipe, a second housing adapted to be received within the first housing and within the hollowed-out extremity of said pipe, said second-mentioned housing having a closed tapered end provided with a plurality of angularly disposed openings and an open end adapted to engage an internal annular shoulder formed on the interior of the first-mentioned housing, and a valve member removably carried by said second-mentioned housing, said valve member comprising a valve body and a stem rigidly carried thereby and projecting through an opening in the closed end of said second-mentioned housing.

1,518,368. ROTATABLE PIPE JOINT. OTHO HENRY GEORGE STEED, Stafford, Eng. Filed June 12, 1922. Serial No. 567,698. 6 Claims. (Cl. 285-96.)

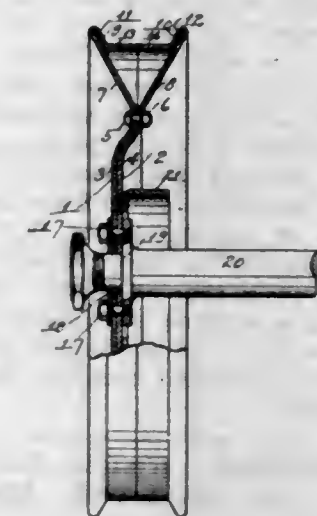


1. A rotatable pipe joint comprising a spigot and a socket, a thrust bearing, a detachable annular closing plate closing the opening between the spigot and the socket and detachably fixed to the outer end of the socket, a sleeve secured to the end of the spigot within the socket, and a fluid tight packing ring, the inner side of the annular closing plate forming one thrust member of the bearing while the adjacent edge of the sleeve

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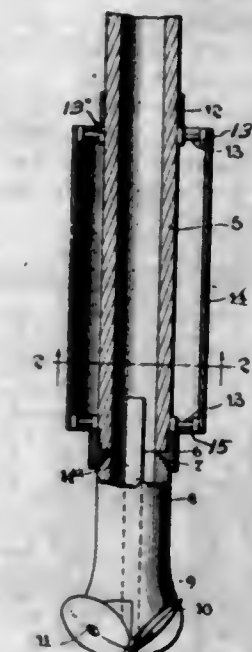
forms the other thrust member of the bearing, while the inner side of the packing ring engages the outer side of the sleeve and the outer side of the packing ring engages the inner surface of the socket.

1,518,369. VEHICLE WHEEL. JOHN VANDER STOLP, Grand Rapids, Mich. Filed Apr. 25, 1924. Serial No. 708,879. 3 Claims. (Cl. 301-63.)



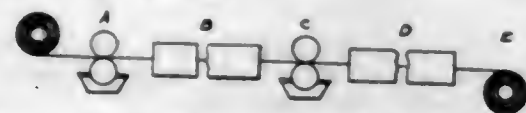
2. In a wheel of the character described: a pair of circular disc members disposed side to side and having laterally-bowed central portions detachably connected fittingly and peripheral annular portions first diverging radially and then mutually approaching parallelly with the wheel's axis; means for detachably mounting said members on the axle of the wheel.

1,518,370. DRILL. MARTIN E. THOMAS, Stratford, Okla., assignor of one-fourth to J. L. Gray, Britton, Okla.; one-eighth to G. C. Arnold, one-eighth to W. L. Allen, and one-fourth to Ida F. Hasley, Oklahoma City, Okla. Filed Oct. 8, 1923. Serial No. 667,276. 4 Claims. (Cl. 255-29.)



1. A drill comprising a drill rod, a guide sleeve receiving said rod, a threaded coupling ring removably secured to the lower end of said rod, a stop collar rigidly secured to said rod and spaced a substantial distance from said ring, said collar and ring limiting the longitudinal movement of the guide sleeve thereon, spacing elements interposed between the rod and sleeve maintaining the latter in concentrically spaced relation to the rod.

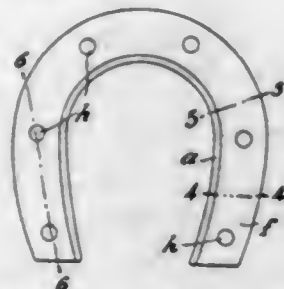
1,518,371. METHOD OF COATING PAPER. JOHN TRAQUAIR, Chillicothe, Ohio, assignor to Mead Pulp and Paper Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 3, 1920. Serial No. 427,934. 11 Claims. (Cl. 91-68.)



6. In the coating of paper in which the paper is given a coating of "color" and then a coating of size to bind the coating of "color" to the paper, the method which comprises applying a solution of "color" to the paper and then passing the paper between rolls, the penetrating quality of the solution being adjusted from time to time to the absorptivity of the paper, so that by the time the paper emerges from between the rolls the "color" will have become immobile from loss of its liquid.

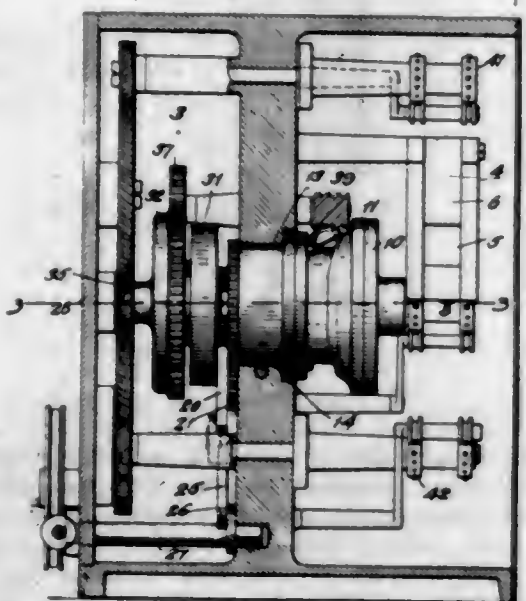
9. The method of coating paper, that comprises applying a "color solution" to the paper, said solution having a consistency about that of cream; drying the paper and then applying a solution of colloidal size, said solution containing no more water than is necessary to diffuse the colloidal substance through the coating and bind it to the paper.

1,518,372. HORSESHOE. WILLIAM JOHN TWISS, High River, Canada. Filed Oct. 1, 1923. Serial No. 665,944. 3 Claims. (Cl. 168-13.)



1. In a horseshoe, the combination of a flanged base plate with means for securing the same to a hoof and having orifices at intervals around the flange of the said base plate, and a resilient member mounted upon sectional members with lugs thereon for engagement within the said orifices in the flange of the base member, all substantially as described.

1,518,373. FRAMING MECHANISM FOR MOVING-PICTURE MACHINES. THEODORE F. UHLEMANN and WILLIAM ELLWOOD, New York, N. Y., assignors to Nicholas Power Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 10, 1920. Serial No. 372,763. 9 Claims. (Cl. 88-17.)



3. In framing mechanism for motion picture machines, the combination of an intermittent sprocket, an intermittent couple for actuating said sprocket, a support for

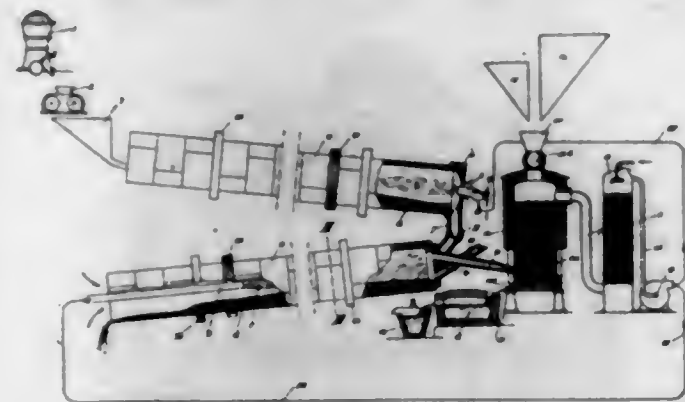
the driving member of said couple whereby it may be adjusted around an axis of said sprocket, a driving shaft for said couple and an intermediate gearing between said driving shaft and the driving member of said couple, said intermediate gearing comprising a gear support adjustable around the axis of said driving shaft, and independent means for variably adjusting said gear support and the driving member of said intermittent couple for effecting a partial rotation of the intermittent sprocket and preventing rotation of the driving member of said intermittent couple about its own axis through the movement of its support.

1,518,374. WINDOW SASH. FRANK VANBANT, Topeka, Kans. Filed Feb. 23, 1923. Serial No. 620,773. 1 Claim. (Cl. 20-52.4.)



In a device of the class described, a frame having a groove, a trough disposed in the groove and comprising walls, one of which is flat, and the other of which is curved to form a rib, the walls having oppositely extended flanges overlapped on the frame, means for securing the flange of one wall to the frame, the flange of the other wall being slidable on the frame, a sash slidable in the frame, and a strip carried by the sash and projecting beyond the trough, the strip being slidable in the trough and cooperating with the flat wall thereof, the rib engaging the strip.

1,518,375. PROCESS FOR OBTAINING METALS FROM THEIR CHLORIDE VAPORS. STEFANUS JOHANNES VERMAES, Delft, and LEONARD LOUIS JACQUES VAN LIJNDEN, The Hague, Netherlands. Filed Apr. 15, 1922. Serial No. 553,036. 4 Claims. (Cl. 75-17.)

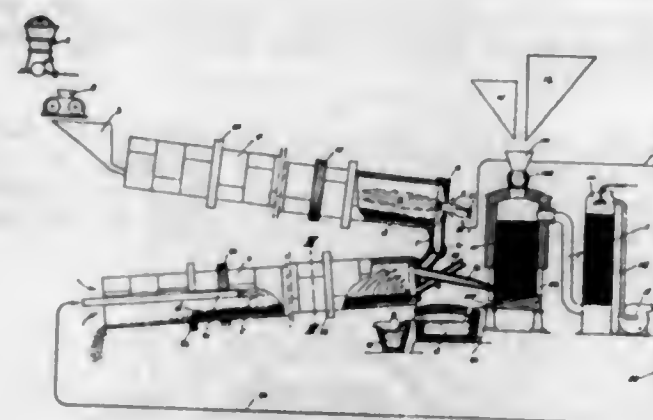


1. The method of extracting metals from their volatile chlorine compounds, which comprises bringing a gas current containing vapors of the chlorine compounds into contact with a solid alkaline substance and a reducing agent at a high temperature.

1,518,376. PROCESS FOR THE CHLORIDIZING VOLATILIZATION OF METALS. STEFANUS JOHANNES VERMAES, Delft, and LEONARD LOUIS JACQUES VAN LIJNDEN, The Hague, Netherlands. Filed Apr. 15, 1922. Serial No. 553,037. 5 Claims. (Cl. 75-17.)

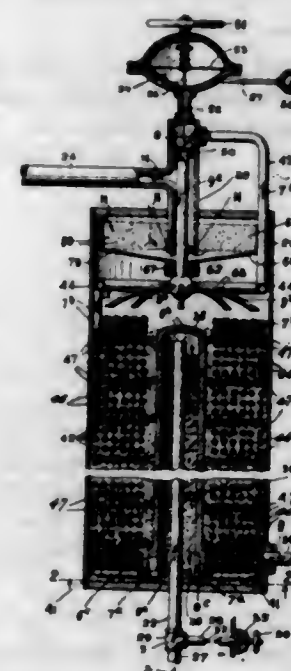
1. A process of obtaining metallic chlorides from ores, which consists in preheating the ore in an oxidizing atmosphere to a temperature above the temperature required for the chloridizing and volatilizing in the process,

transporting the hot ore to a place where it is mixed with a chloridizing agent, agitating the mixture while maintaining a temperature required for the formation and



volatilization of the desired metallic chlorides, and removing by a slow current of non-reducing gas the metallic chloride vapours formed.

1,518,377. METHOD AND APPARATUS FOR SEPARATING LIQUID GASES. RUDOLPH VUILLEU MIER, New Rochelle, N. Y., assignor to The Safety Car Heating & Lighting Co., a Corporation of New Jersey. Filed Nov. 3, 1916. Serial No. 129,271. 33 Claims. (Cl. 183-115.)



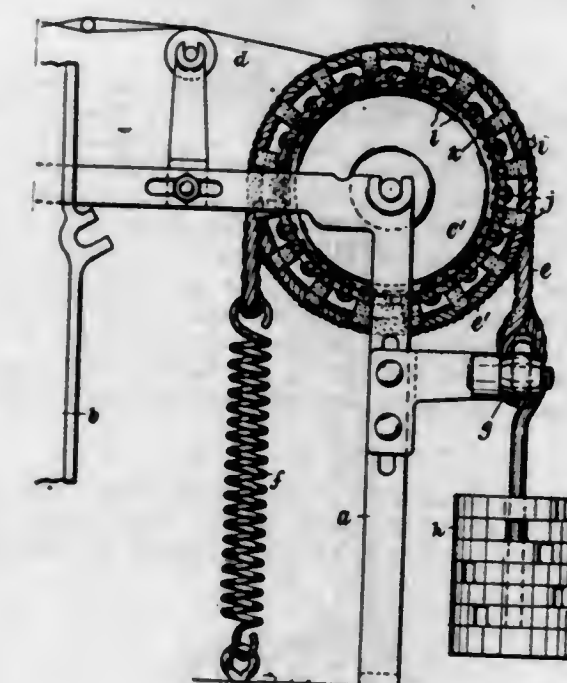
1. The method of rectifying gases which consists in liquefying a gaseous fluid by causing a transfer of heat therefrom to finely divided particles of high heat conductivity maintained at progressively lower heat standards, expanding the liquefied fluid, evaporating and rectifying the expanded fluid by passing it over progressively warmer sections of said particles of high heat conductivity, the heat yielded to said particles by said incoming gaseous fluid during liquefaction being transferred to the expanded liquefied fluid to evaporate and rectify the latter.

1,518,378. KNITTING MACHINE. WILLIAM C. ADAMS, Attleboro, Mass. Filed Feb. 7, 1923. Serial No. 617,483. 12 Claims. (Cl. 66-21.)



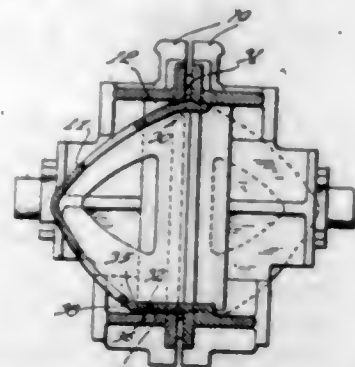
1. A knitting machine having, in combination, a needle carrier, a series of knitting needles slidably mounted thereon, a holder in which said carrier is rotatably and slidably mounted and means to guide said carrier while an alternate rotating and slidable motion is being imparted thereto.

1,518,379. LET-OFF MECHANISM FOR LOOMS. ERNEST BARBER, Paterson, N. J. Filed Nov. 22, 1922. Serial No. 602,640. 1 Claim. (Cl. 188-83.)



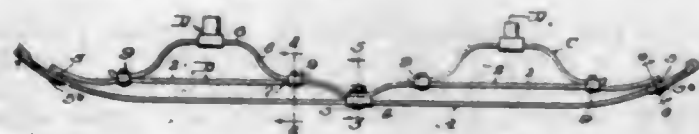
In combination, a supporting structure, a beam journaled therein and adapted to have the material to be delivered wound thereon, means to exert constricting pressure on the beam held against rotation therewith and including a flexibly connected system of bolsters embracing the beam, and rolling pressure transmitting intermediaries interposed relatively between the bolsters and the beam.

1,518,380. AUTOMATIC TRAIN-PIPE CONNECTER. MARTIN A. BARBER, Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del., a Corporation of Delaware. Filed Nov. 17, 1921. Serial No. 515,803. 22 Claims. (Cl. 285-24.)



1. In a device of the class described, the combination with a coupling head, of a bracket support therefor, means associated with the support for automatically tilting said head out of its normal coupled position, and a lock released by such tilting action.

1,518,381. AUTOMOBILE BUMPER. LEROY BAUMGARTL and JOHN D. HALE, Chicago, Ill., assignors to Ram-spring Bumper Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1924. Serial No. 723,660. 7 Claims. (Cl. 293-55.)



1. An automobile bumper comprising an impact member extending the length of the bumper, a rearwardly disposed reinforcing bar, rigidly secured adjacent the ends and central portion of said impact member and spring bars bent in U-shape, and secured at their ends to said reinforcing bars on opposite sides of its point of connection with said impact member, and adapted for attachment, intermediate their ends to the automobile.

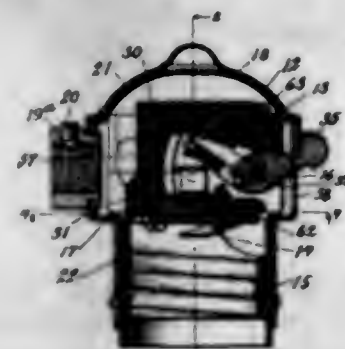
518,382. CRUTCH OR LIKE ARTICLE. EDGAR C. BEECROFT, Pelham Manor, N. Y. Filed June 27, 1919. Serial No. 307,113. 9 Claims. (Cl. 135-53.)



1. An article such as a crutch having a member provided with means adapted to secure a firm hold on a slippery surface, said member being movable relatively to the article into operative or inoperative position, means for retaining said member in position relatively

to the article including a projection on said member, a second member having a slot in which said projection is movable, said slot having a portion extending longitudinally of the article, another portion extending from said longitudinal portion transversely of the article, and a spring tending to rotate said first-named member so as to move said projection laterally in the last named portion of said slot away from the first named portion thereof.

1,518,383. SWITCH MECHANISM. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1919. Serial No. 301,264. 5 Claims. (Cl. 173-346.)



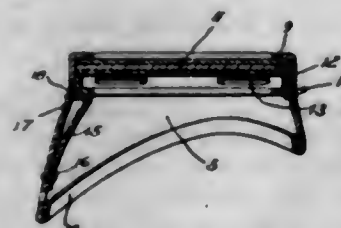
2. In a switch socket comprising a casing a two-part insulating base in said casing, separable on a plane substantially transverse to the axis of the casing, said base sections having a recess therebetween, binding terminals supported on the upper face of the upper base section, and a switch mechanism located in said recess comprising a switch arm pivoted to operate in a plane substantially through the axis of said casing, and a pair of brushes both supported by the upper base section, and located on opposite sides of said switch arm, said switch arm operated to snap into and out of engagement with respect to both of said brushes simultaneously.

1,518,384. STOPING DRILL. ABE B. BLAUSTEIN, Butte, Mont., assignor, by mesne assignments, to Electrical Development Corporation, Butte, Mont. Filed Oct. 24, 1921. Serial No. 510,057. 8 Claims. (Cl. 255-45.)



2. In combination a solenoid, a core therefor, a non-magnetic stem operated by the core, and a reciprocating tool connected with the stem and adapted to be held to its work by the solenoid.

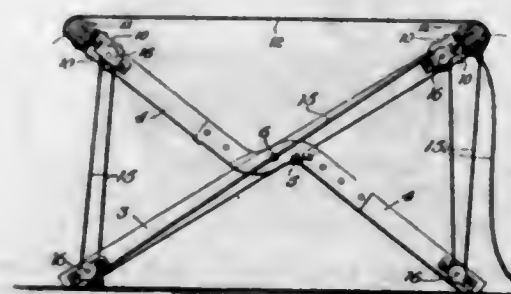
1,518,385. EYE PROTECTOR. WILLIAM H. BOUTELLE, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 15, 1923. Serial No. 662,929. 4 Claims. (Cl. 2-14.)



1. An eye protector or goggle of the class described, comprising a cup having a rolled edge at one end thereof and an intumed flange at the opposite end thereof,

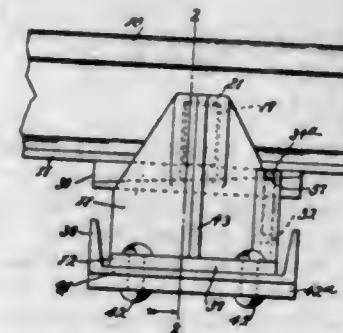
a lens positioned within the cup, and contacting with the intumed flange, a ring substantially L-shaped in cross section placed against the lens, and spring means contacting with said L-shaped ring.

1,518,386. FOLDING COT. ABRAHAM T. H. BROWER, Chicago, Ill. Filed Sept. 30, 1918. Serial No. 256,193. 1 Claim. (Cl. 5-117.)



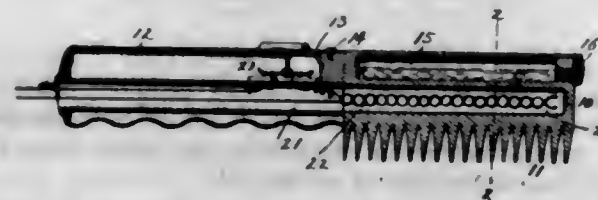
In a folding cot, side rails, pairs of crossed, pivotally connected legs connected to said side rails, a fabric top secured to said side rails, adjusting ropes connected to said legs for placing said top under tension, and guide pulleys for directing said ropes substantially in vertical direction between the opposite end portions of the crossed legs of each pair and in an inclined direction across the pivotal axis thereof, substantially as described.

1,518,387. METAL RAILROAD TIE. ROBERT T. BURDETTE, Chicago, Ill. Filed June 23, 1924. Serial No. 721,718. 10 Claims. (Cl. 238-269.)



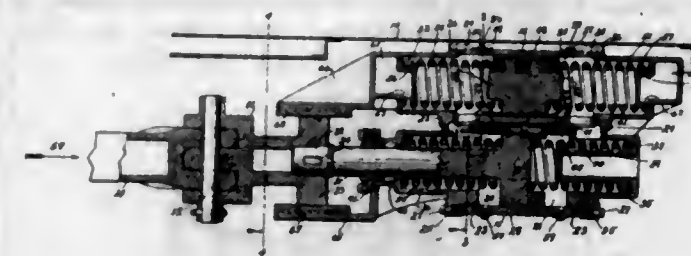
1. In a device of the class described, a seat for receiving a rail of a railway track, blocks for securing said rail within said seat, said blocks being of different thicknesses whereby said rails may be adjusted laterally in said seat by interchanging the same, and wedging means beneath said rail.

1,518,388. COMB. ROBERT T. CAMERON, Memphis, Tenn., assignor to Beauty Products Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 5, 1924. Serial No. 697,098. 4 Claims. (Cl. 132-13.)



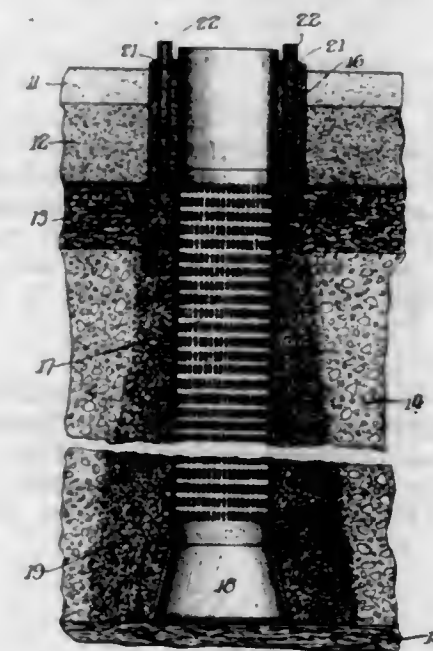
2. A hair treating appliance comprising a comb with back and teeth, a liquid holding chamber in the back, means for conveying liquid from such chamber to the exterior of the teeth and heating means situated in the comb back.

1,518,389. DRAFT GEAR. EDWARD F. CARRY, Chicago, Ill. Filed Nov. 8, 1923. Serial No. 673,429. 11 Claims. (Cl. 213-43.)



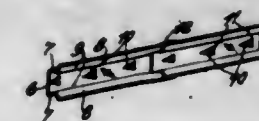
11. In a draft gear, the combination of an hydraulic cylinder, a piston in the cylinder, a reservoir communicating with the cylinder, means for throttling the flow of liquid when the piston is moving and means for effecting a secondary throttling of the liquid as the movement continues.

1,518,390. WELL AND METHOD OF SINKING. WILLIAM H. CATER, Chicago, Ill. Filed June 23, 1923. Serial No. 647,264. 6 Claims. (Cl. 166-21.)



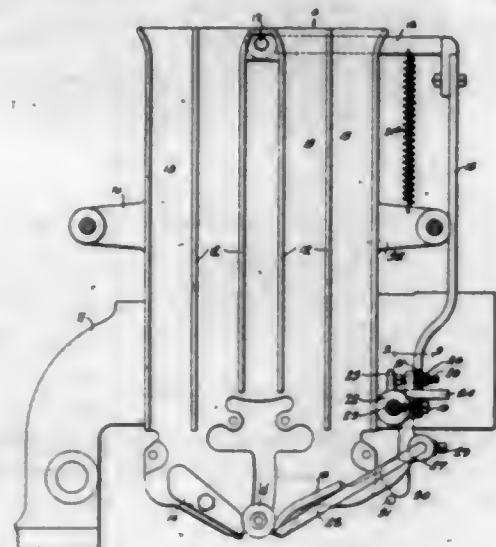
1. The method of sinking a well consisting in removing the earth to a depth through a stratum of clay, lining the upright walls of such cavity with a water-proof shell, sinking a well-screen through such cavity inside of said shell, inserting clay between said shell and screen leaving a passage therethrough and causing such inserted clay to descend with the screen, feeding coarse material through the passage below the inserted material, and finally sealing said passage with water-tight material.

1,518,391. METALLIC LATH. MINOR E. CHAMBERLAIN, St. Louis, Mo. Filed June 19, 1922. Serial No. 569,806. 3 Claims. (Cl. 72-116.)



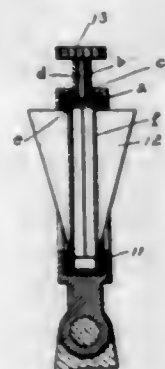
1. A metallic lath, comprising an elongated section of sheet metal composed of a substantially flat back wall, outwardly converging side walls integral with the side edges of said back wall and forming a dovetail channel the widest portion of which is adjacent to said back wall, and flaring flanges integral with said side walls, said side walls and flanges forming an outside channel at each side of the lath.

1,518,392. WEFT-CARRIER SUPPORT AND RELEASING DEVICE. AUGUSTIN J. CHEVRETTE, Worcester, and EPPA H. RYON, Waltham, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1923. Serial No. 616,470. 3 Claims. (Cl. 139-251.)



1. In a loom having a magazine, a weft carrier support and releasing device comprising a vertically disposed member having a part extended laterally and pivoted to said magazine near the top thereof, a two-point engaging device adjustably secured to the lower end of said member and engaging a weft carrier in transfer position at two points on the rear side of said weft carrier, both points being spaced from the tip thereof, and a guide to prevent transverse displacement of said device.

1,518,393. PRISM ATTACHMENT FOR LENS-MEASURING INSTRUMENTS. BERNARD P. CURRIER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 11, 1922. Serial No. 581,065. 4 Claims. (Cl. 88-56.)

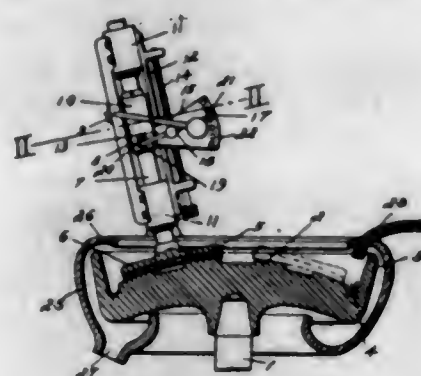


1. In an instrument for measuring the powers of lenses, in combination with a holder for the lens to be measured located in the optical system of the instrument, a double rotary prism unit, means for holding the double rotary prism unit, and means for moving the double rotary prism unit into and out of alignment with the optical system of the instrument.

1,518,394. LENS-GRINDING MACHINE. GILBERT S. DEY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 26, 1920. Serial No. 390,045. 2 Claims. (Cl. 51-129.)

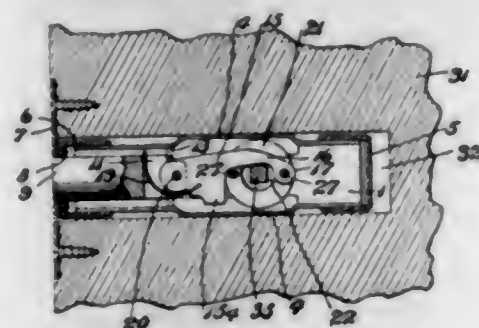
1. In a machine of the character described, including a longitudinally shiftable spindle, a contact engaging member on the spindle, a slide member adapted to slide longitudinally with respect to the spindle having a series of recesses, screw means to move the slide, a shiftable

plug adapted to fit in the recesses, and a lever pivoted on the slide, having one end adapted to engage the contact member on the spindle as it advances and the other



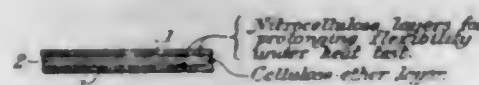
end adapted to engage the plug to stop the advance of the spindle when the lever is forced against the plug through the action of the advancing contact on the spindle.

1,518,395. LOCK. LUCIEN A. DEXTER, Grand Rapids, Mich. Filed Sept. 17, 1923. Serial No. 663,067. 8 Claims. (Cl. 70-29.)



1. A lock comprising a cylindrical barrel, a lock bolt mounted for projection out of one end of the barrel or retraction into the barrel, a member pivotally connected at one end to the inner end of the bolt, and a two part operating device located between the sides of the barrel and rotatably mounted therein, each including a cup-portion with an annular flange, said flanges being located in parallel relation to each other and connected together, the opposite end of the said member being connected to said operating device between said flanges near one edge of the flanges, substantially as described.

1,518,396. LAMINATED CELLULOSE ETHER-CELLULOSE ESTER FILM. JOHN M. DONOHUE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 13, 1923. Serial No. 668,411. 2 Claims. (Cl. 95-9.)

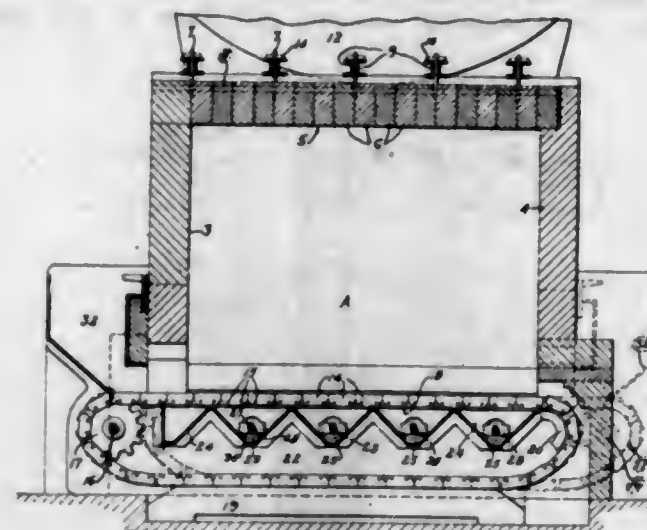


1. As an article of manufacture, a cellulose ether film having on each face an adherent layer of cellulose ester, which layers maintain flexibility in said film after prolonged heating thereof at 65° C.

1,518,397. FURNACE. WILLIAM M. DUNCAN, Alton, Ill. Filed June 9, 1923. Serial No. 644,342. 9 Claims. (Cl. 110-40.)

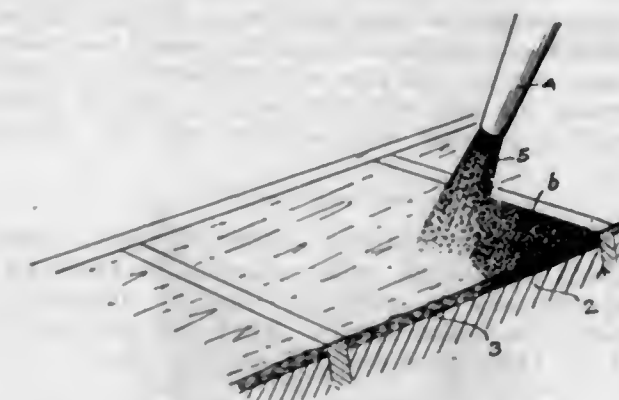
1. A furnace provided with a plurality of traveling fuel-supporting grates, means associated with said travel-

ing fuel-supporting grates whereby adjacent grates are caused to travel in opposite directions, means at one side of the furnace for delivering fuel to one of a pair



of adjacent grates, and means at the other side of the furnace for delivering fuel to the other of said pair of adjacent grates.

1,518,398. SURFACING CONCRETE BLOCKS, TILES, AND THE LIKE. JOHN B. EDIE, Pittsburgh, Pa., assignor of one-half to J. H. Toupet, Pittsburgh, Pa. Filed Oct. 12, 1922. Serial No. 594,101. 6 Claims. (Cl. 91-68.)



1. The method of facing tiles, brick, concrete and other building surfaces which comprises applying to the surface to be covered a layer of initially adhesive material that is capable of hardening, and projecting granular material into said adhesive layer with sufficient force and in sufficient quantity to substantially saturate said adhesive layer.

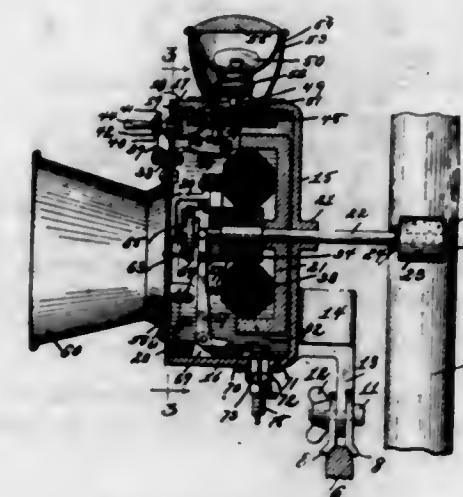
3. A building element having a facing or veneer composed of a layer of oxychloride cement substantially saturated and completely covered with finely divided granular material.

5. A building element having a facing composed of a layer of initially adhesive material carrying a body of granular material comprising ground glass mixed with granular rock material.

1,518,399. HEADLIGHT FOR BICYCLES, MAGNETIC DRIVE. FRED EVANS, Summit, N. J., assignor to Louis V. Aronson, Newark, N. J. Filed June 26, 1920. Serial No. 392,023. 3 Claims. (Cl. 177-7.)

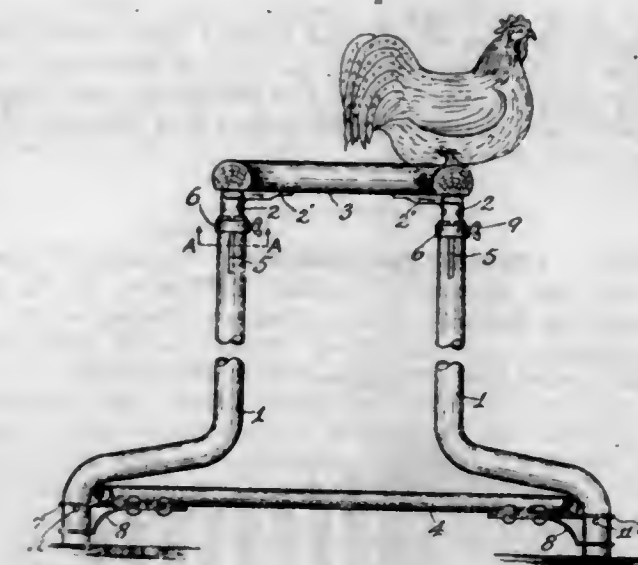
3. A combined lamp and audible signal comprising in combination with the frame and front wheel of a bicycle or like vehicle, of a cylindrical casing rigidly secured to said frame, an electric lamp on the periphery of said casing, a horn eccentrically mounted on the face of said casing, a shaft journaled axially in said casing to extend outward opposite the horn, a drive wheel fixed on said shaft in constantly operative frictional

engagement with said front wheel, means actuated by said shaft for producing an electric current in said lamp, other means actuated by said shaft for producing sound from said horn, both of said means being located



within the said casing, a push button mounted on the bicycle at a point remote from said casing, and a flexible wire operatively connecting said push button with the sound control means.

1,518,400. SANITARY CHICKEN ROOST. WILLIAM FAETHE, Raven Rock, N. J. Filed Nov. 19, 1923. Serial No. 675,521. 2 Claims. (Cl. 119-24.)

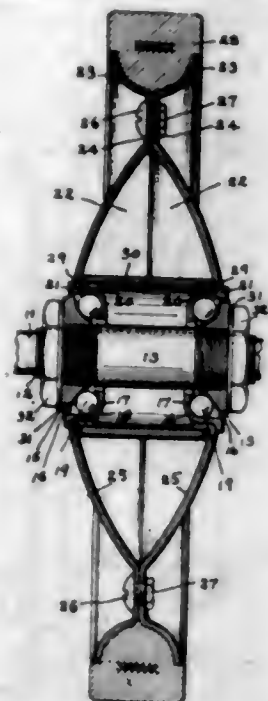


2. A sanitary poultry roost of the class described, comprising upright, fixed tubular frame members, supporting at their lower extremities a suitable dropping tray; means provided for detachably holding the dropping tray in position; another set of movable frame members adapted for vertical, slidable, telescopic movement relative to the fixed members; an annular perch member mounted on the upper extremity of the movable members; and a clamping collar provided to lock the perch member in any predetermined position.

1,518,401. MULTIPLEX TRANSMISSION OF MESSAGES BY HIGH-FREQUENCY OSCILLATIONS. HEINRICH FASSBENDER, Charlottenburg, and ERICH HABANN, Berlin, Germany, assignors to Deutsche Telephonwerke, G. m. b. H., Berlin, Germany. Filed May 3, 1921. Serial No. 466,524. 4 Claims. (Cl. 179-15.)

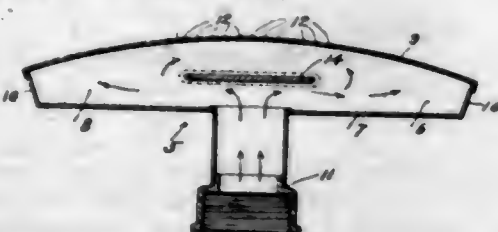
1. In multiplex transmission of messages by high frequency oscillations of different frequencies, a conductor divided into sections, and receiving and transmitting stations connected to the various sections, the

1,518,411. SHEET-METAL WHEEL. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed Sept. 27, 1923. Serial No. 665,219. 3 Claims. (Cl. 301-63.)



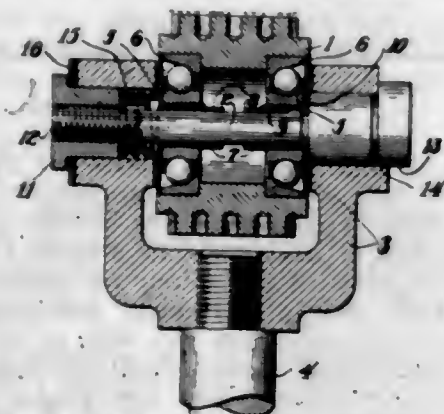
1. A wheel of the class described, comprising a pair of similar sheet metal discs, each of said discs being formed with an outwardly flanged periphery providing a tire seat, vertical intermediate portions, and convexly curved inner portions, terminating in intumed annular hub flanges; means securing the vertical portions of said discs together; and a spacer sleeve extending intermediate the convexly curved portions of said discs and loosely around said intumed hub flanges.

1,518,412. SPRINKLER NOZZLE. JOHN D. ROSS, Pasadena, Calif. Filed Apr. 12, 1921. Serial No. 460,731. 3 Claims. (Cl. 299-141.)



2. A sprinkler nozzle construction comprising a casing having a water inlet leading thereto and a plurality of water discharge outlets, said discharge outlets occupying an area of elongated curved formation, and a deflector plate arranged in the path of the water from the inlet to the central discharge outlets.

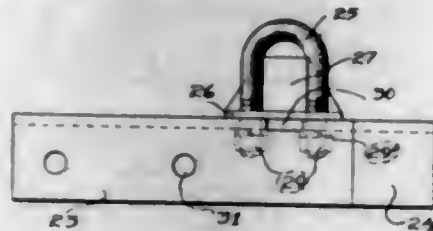
1,518,413. MOUNTING FOR WHEEL-DRESSING TOOLS. WILLIAM E. ROSS, Chicago, Ill. Filed May 16, 1921. Serial No. 469,938. 8 Claims. (Cl. 64-36.)



1. In a device of the character described a frame, a spindle mounted at one end in said frame having a shoulder presented inwardly beyond the frame, a rotary

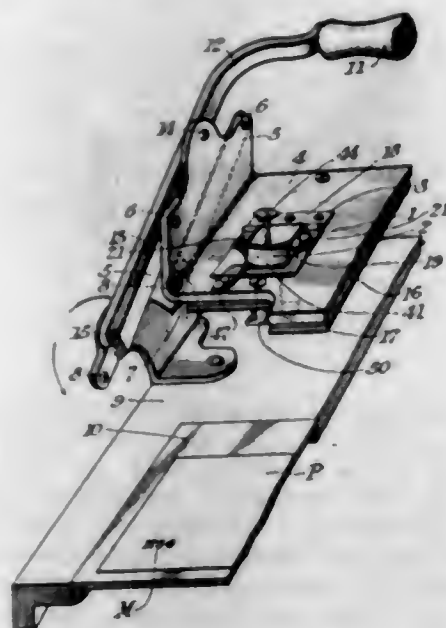
member, adjustable bearings mounting said rotary member on said spindle, a nut drawing the spindle in the direction to press its said shoulder against the bearing at one end of the rotary member, and a compression spring acting against the bearing at the other end of the rotary member, longitudinally of the spindle, and in opposition to said shoulder.

1,518,414. BRACKET FOR AUTOMOBILE BUMPERS. IRVING A. SIBLEY, Jr., Chicago, Ill. Filed Mar. 26, 1921. Serial No. 456,033. 8 Claims. (Cl. 293-55.)



4. In combination, a frame, a rigid support extending laterally upward therefrom, and having an enlarged portion carrying a supplemental support, a bracket extending longitudinally beyond said frame, a U-bolt carried by the bracket and embracing said lateral support and abutting the retaining means thereof, means on the bracket engaging under said frame, and means retained on the bracket by said U-bolt and engaging said enlarged portion.

1,518,415. NUMBERING STAMP FOR PHOTOGRAPHIC-PRINTING MACHINES. CHARLES F. SPEIDEL and JOHN CHRISTIE, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 10, 1923. Serial No. 618,379. 14 Claims. (Cl. 101-80.)

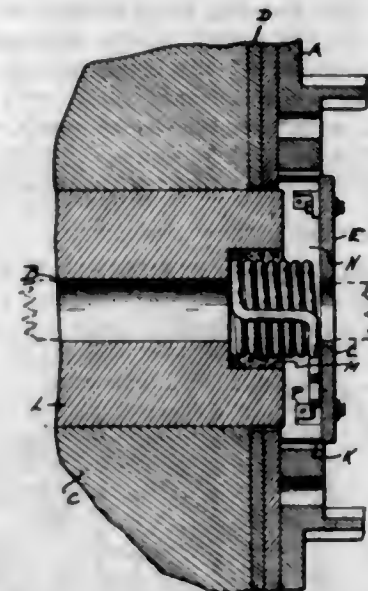


1. In a photographic printing machine, the combination with a platen adapted to move to and from an operative position in contact with a sheet of printing paper, of a printing stamp, and a hinged carrier for the printing stamp attached to the platen, said printing stamp being mounted upon the hinged carrier.

1,518,416. ELECTRODE-COOLING CONSTRUCTION. HARRY M. ST. JOHN, Detroit, Mich. Filed Oct. 10, 1922. Serial No. 593,644. 4 Claims. (Cl. 204-64.)

1. In combination with a centrally apertured refractory furnace wall, a plate having a central aperture held in position of closure thereover, a cooling coil held on the inner side of the plate in coaxial relation

to the apertures in the wall and the plate, the terminals of said cooling coil extending through an insulating flanging projection on said plate and being held thereby

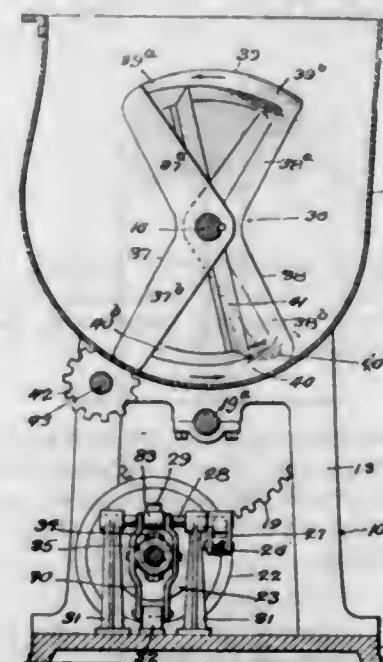


against unintended displacement due to the operating movement of the electrode through the coil and said apertures.

1,518,417. CELLULOSE-ETHER COMPOSITION. RAY L. STINCHFIELD, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 8, 1922. Serial No. 566,829. 2 Claims. (Cl. 134-79.)

2. A flowable, film-forming composition, comprising cellulose ether dissolved in a mixed solvent comprising from 90 to 30 parts by weight of benzol and from 10 to 70 parts by weight of methyl alcohol.

1,518,418. DOUGH MIXER. FRANK STREICH, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a Corporation of Illinois. Filed Sept. 4, 1923. Serial No. 660,759. 1 Claim. (Cl. 259-109.)



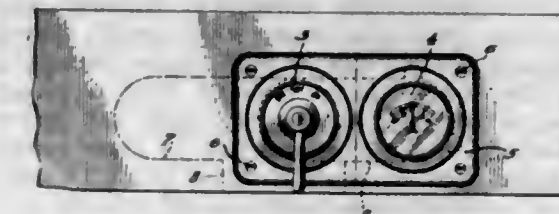
In a dough mixer, the combination with a mixing bowl having a curved bottom, of an agitator comprising two spaced arms mounted on separate shafts, two helical mixing blades connecting said arms and forming the sole connection therebetween, and a diagonal mixing blade extending between and connecting said helical mixing blades, and said helical mixing blades contacting with the curved bottom of said mixing bowl during a portion of their rotary movement therein.

1,518,419. READER. HARRY H. STYLL, Southbridge, Mass. Filed Apr. 10, 1922. Serial No. 551,147. 7 Claims. (Cl. 88-39.)



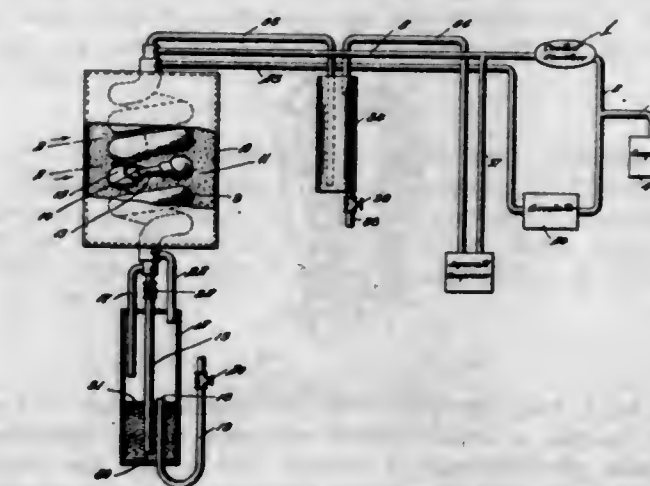
1. A reader including a non-metallic transparent frame, an elongated magnifier carried by said frame, a movable handle member carried by said frame having its side portions positioned beneath the lens when in an operative position, said handle member being extended beyond the end of the frame to an operative position and means for limiting the outward movement of said handle member.

1,518,420. SPEEDOMETER ADAPTER FOR INSTRUMENT BOARDS. CHARLES S. TURNER, Detroit, Mich. Filed Sept. 11, 1922. Serial No. 587,398. 4 Claims. (Cl. 180-90.)



1. As a means for adapting an instrument board with its instruments to receive an additional instrument to produce an instrument zone wherein the added instrument is symmetrically positioned relative to two of the previously installed instruments, wherein the pair of instruments are carried by a supporting plate overlying an opening of the board, and wherein the plate is divided into a pair of sections and separated to produce a space therebetween to receive the added instrument, an adapter plate adapted to be mounted on the board and having dimensions to permit it to overlie the separated sections, said adapter plate having apertures to expose the faces of each of the three instruments there-through.

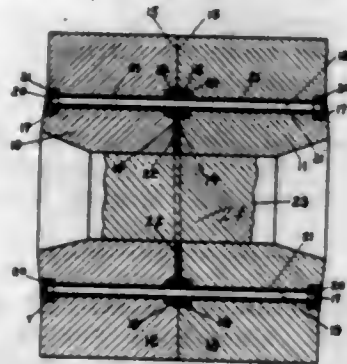
1,518,421. PROCESS FOR THE SEPARATION OF AMMONIA FROM ITS FORMATIVE GASES. WILLIAM T. WAKEFORD, Providence, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 27, 1922. Serial No. 539,655. 4 Claims. (Cl. 183-115.)



1. In a process for separating synthetic ammonia from its formative gases in a closed system which includes a main synthesizing circuit and a shunt circuit, the steps comprising, separating a portion of the ammonia

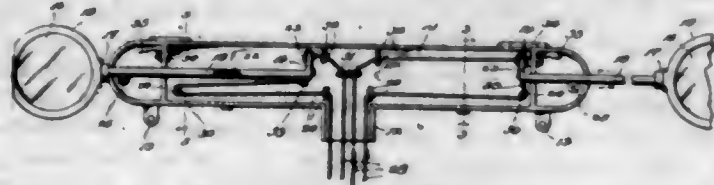
from its formative gases by liquefaction, returning the residual gases for retraversion of the main circuit, and expanding a portion of the liquid ammonia in a shunt circuit to cool a fresh supply of gases.

1,518,422. GRINDER FOR REDUCING WOOD OR OTHER FIBER TO PULP. OTTO W. GREENE, Elyria, Ohio, assignor to The International Pulp Stone Company, Elyria, Ohio, a Corporation of Ohio. Filed Mar. 15, 1923. Serial No. 625,251. 7 Claims. (Cl. 83—75.)



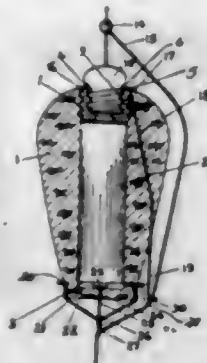
1. In a grinder for wood pulp, the combination of a plurality of substantially cylindrical sections made of natural stone, an axle upon which said stones are mounted, contiguous faces of said stones being parallel to each other and slightly inclined from a plane perpendicular to the long axis of the axle, and means for rigidly binding said stones together at their contiguous inclined faces.

1,518,423. TRAFFIC SIGNAL. FRED HARRIS, Youngstown, Ohio. Filed July 14, 1922, Serial No. 574,969. Renewed Oct. 13, 1924. 4 Claims. (Cl. 116—50.)



1. A traffic signal including a casing formed of mating hingedly connected sections abutting at their confronting edges, indicators removably confined between the confronting edges of the sections slidably supported thereby, means for projecting and retracting said indicators, and means locking the sections of the casing in abutting relation.

1,518,424. FISHLINE FLOAT. OSCAR HASERODT, Elyria, Ohio. Filed Apr. 10, 1922. Serial No. 550,987. 3 Claims. (Cl. 43—17.)



1. In a fish line float, the combination with a float body having a longitudinally disposed recess extending partially therethrough, a battery cell within the recess in said body and removable therefrom; a cap member enclosing the open recessed end of said body, said cap comprising an outer cylindrical wall adapted to be secured to the inner wall of said float body, an apertured end wall, and an inner cylindrical lamp socket wall in

alignment with the opening in said end wall, said outer and inner walls being attached to said end wall and extending within the recess in said body; an incandescent lamp adapted to be positioned in the said lamp socket through the opening in the wall of the cap and to have its bulb projecting above the said end wall whereby when illuminated the light will be visible from above and to the sides of said float body; and a set of electrical contacts adapted to be operated by a pull on the hook end of the line to cause a circuit between the said battery and the said lamp to illuminate the lamp.

1,518,425. ELECTRICAL FISHLINE FLOAT. OSCAR HASERODT, Elyria, Ohio. Continuation of application Serial No. 541,963, filed Mar. 8, 1922. This application filed May 28, 1923. Serial No. 642,122. 15 Claims. (Cl. 43—17.)



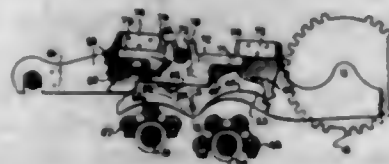
15. A signalling fishing float comprising a buoyant float body having an electric cell disposed therein, an electric signal device in circuit with said cell, and a switch for making and breaking the circuit between said cell and said device, said switch being disposed entirely exteriorly of the float body and being adapted for operation by a pull on the fishing line to which the float is secured.

1,518,426. PROCESS OF PRODUCING COLOR NEGATIVES FOR PHOTOMECHANICAL PRINTING PLATES. JOSEPH ARTHUR HENRY HATT, Brooklyn, N. Y. Filed June 2, 1919. Serial No. 301,358. 21 Claims. (Cl. 95—5.1.)



1. The process of making color printing plates which comprises isolating the green and black colors on a reversed negative and using this negative in the camera as a mask for the magenta negative.

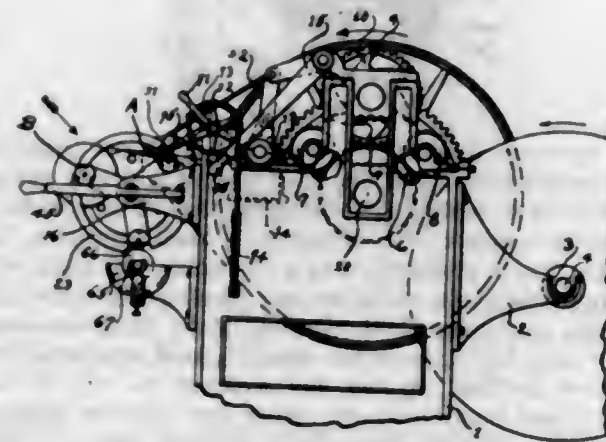
1,518,427. TWO-WEAVE HEAD MOTION. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 23, 1924. Serial No. 722,405. 5 Claims. (Cl. 139—77.)



1. In a pattern mechanism having a pair of pattern surfaces and a reciprocable controlling member, a vibrator lever having spaced side plates, a sliding positioner movable between the sides of the vibrator lever and hav-

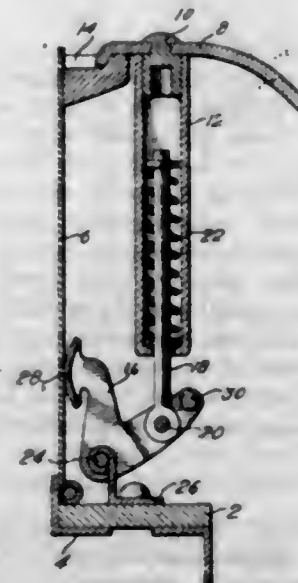
ing portions to engage the vibrator lever to lift the same, a pivoted member mounted on the vibrator lever and having surfaces to be engaged one at a time by the sliding positioner, said pivoted member having surfaces to engage the aforesaid pattern surfaces, and means to move the sliding member as the controller is reciprocated to oscillate the pivoted member.

1,518,428. PAPER-ROLLING MACHINE. DAVID W. HUDSON, Green Bay, Wis. Filed Mar. 7, 1922. Serial No. 541,846. 11 Claims. (Cl. 242—64.)



4. The combination with a supporting frame, of a hollow shaft journaled therein, a carrier having a disk like head stock secured to said shaft and provided with a plurality of apertures equally spaced from each other and from the axis of the shaft, a rod journaled in said shaft and movable axially therethrough, and a pin journaled in the supporting frame and having one end rigidly connected with the rod and its other end adapted to be received into any of the apertures in said head stock.

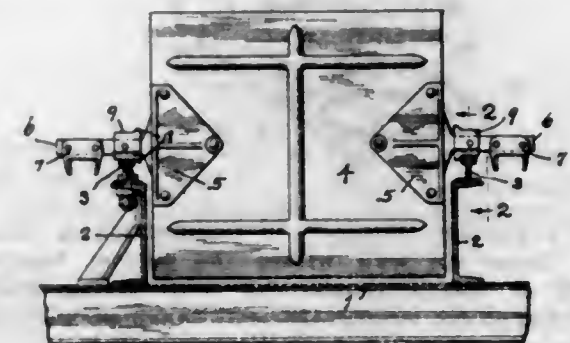
1,518,429. AUTOMOBILE HOOD-CLAMPING DEVICE. RUSSELL HUFF, Detroit, Mich., assignor to Dodge Brothers, Detroit, Mich., a Corporation of Michigan. Filed Dec. 20, 1921. Serial No. 523,608. 8 Claims. (Cl. 292—114.)



1. An automobile hood clamping device having, in combination, a hold-down clamp, relatively slidable members upon one of which the hold-down clamp is mounted, a side clamp, a non-slidable pivotal connection between the other of said members and the side clamp, a spring acting in opposite directions on said members to maintain the clamps in clamping engagement with the hood, and a stop for limiting the pivotal movement of the latter

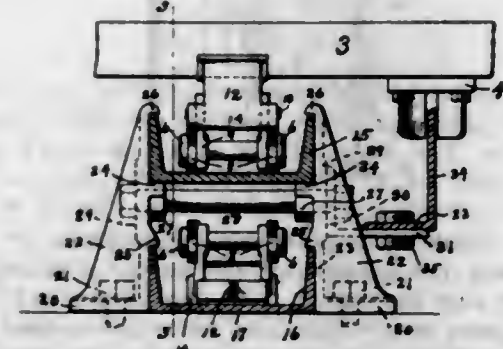
member with relation to the side clamp so that the side clamp will be held out of hood-obstructing position by the weight of the side clamp and associated parts when the clamping device is out of operation.

1,518,430. CONVEYER FLIGHT. LEONARD E. HURST and JAMES F. MILLER, Detroit, Mich. Filed May 7, 1923. Serial No. 637,133. 8 Claims. (Cl. 198—175.)



1. A supporting block for conveyer chains comprising two parts having longitudinal interengaging ridges and registering grooves in their engaging faces to receive shafts or trunnions, and means to secure the parts together.

1,518,431. CHAIN AND TRUCK GUIDE. LEONARD E. HURST, Detroit, Mich. Filed Apr. 9, 1924. Serial No. 705,352. 4 Claims. (Cl. 104—172.)



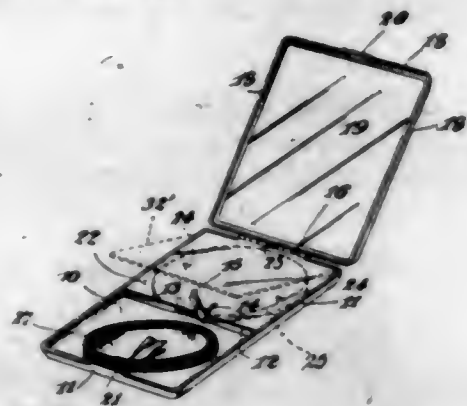
2. In combination, two superimposed and spaced bars constituting guides and supports for conveyer chains, pairs of pedestals supporting the bars, each consisting of a base and a web having longitudinal flanges to position the bars, a bolt extending across between said bars from one pedestal to the other of each pair to cause them to grip the bars, brackets secured to the pedestals along one side of said guide bars for the chains, and a third guide bar embodying a vertical web secured to said brackets.

1,518,432. SHOE-SHANK SUPPORT. HELMER G. JOSEPHSON, East Lynn, Mass., assignor, by direct and mesne assignments, to John L. Shevenell, Haverhill, Mass., and Helmer G. Josephson, Lynn, Mass., trustees. Filed Mar. 16, 1922. Serial No. 544,154. 6 Claims. (Cl. 36—76.)



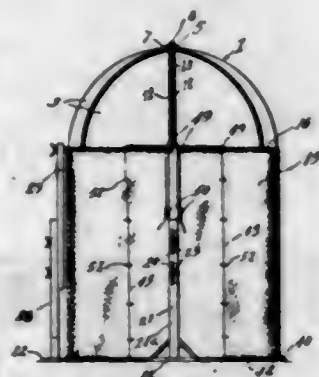
1. A shank support for boots and shoes formed of metal with a V-shaped depression bifurcated at one end and having flat portions laterally extending from said depression, the bifurcated portions of said depression being of less depth than the main portion thereof.

1,518,433. CONTAINER. ELSIE W. KIRBY, New York, N. Y. Filed July 12, 1924. Serial No. 725,703. 6 Claims. (Cl. 132-83.)



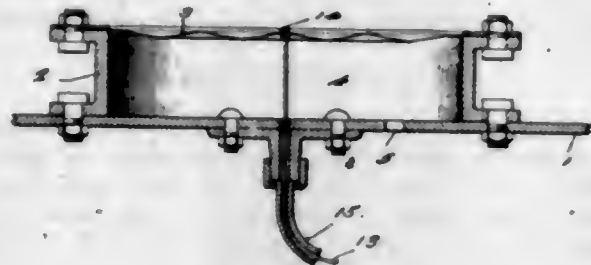
1. In a powder container, in combination, a tray-bottom, a transverse wall within the bottom forming a plurality of compartments, the wall having openings therein, means for closing the wall openings, a cover for one compartment and a cover for the device.

1,518,434. FUMIGATING TENT. EMIL A. KLEIN, Los Angeles, Calif. Filed Dec. 19, 1923. Serial No. 681,553. 9 Claims. (Cl. 43-126.)



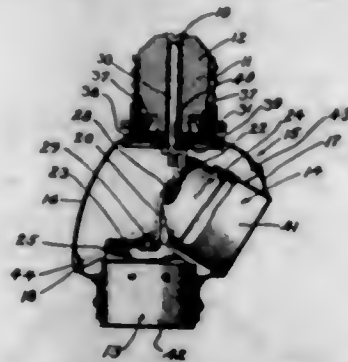
2. In a fumigating tent the combination of a rigid dome, means for supporting the same, a folding skirt carried by and suspended from the dome, and annular yielding means other than the skirt and carried at the lower edge of the skirt to rest upon the ground and constructed to adapt itself to the contour of the ground-line so as to seal the lower edge of the skirt.

1,518,435. LIQUID-LEVEL GAUGE. CARL KNOBLOCH, Eau Claire, Wis. Filed Dec. 20, 1921. Serial No. 523,669. 4 Claims. (Cl. 73-54.)



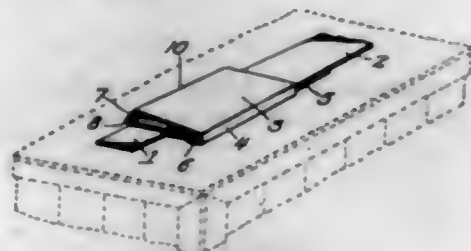
1. In combination with a tank, an upright annular supporting member secured to the bottom of the tank, a diaphragm carried by the upper end of said member and forming therewith a closed chamber adapted to be submerged in the liquid in the tank, the bottom of the tank, having an opening therein for placing the interior of the chamber in communication with the atmosphere, an indicator, and a flexible member connecting said indicator and diaphragm for transmitting the movement of the diaphragm to the indicator.

1,518,436. ELECTRICAL CONNECTER DEVICE. ARTHUR P. LEINEN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,379. 6 Claims. (Cl. 173-335.)



1. A two-way plug device, provided with an outlet extending longitudinally of the plug and a laterally extending outlet, said device comprising a plug shell contact, a plug center contact, two receptacle shell contacts, two receptacle center contacts, and a stamping for supporting said receptacle shell contacts and electrically connecting them with said plug shell contacts, said receptacle shell contacts each having a flange portion, said stamping having a foot portion at one end secured to one of said flanges, a foot portion at the other end secured adjacent the outer end of the plug shell contact, and an intermediate portion secured to the flange of the other shell contact, said stamping lying substantially within the confines of the cylindrical surface in which the plug shell contact lies and being practically unsupported by insulation intermediate its ends.

1,518,437. REINFORCING GIRTH. JOHN W. LESLIE, Evanston, Ill. Filed Mar. 15, 1920. Serial No. 365,951. 6 Claims. (Cl. 100-31.)

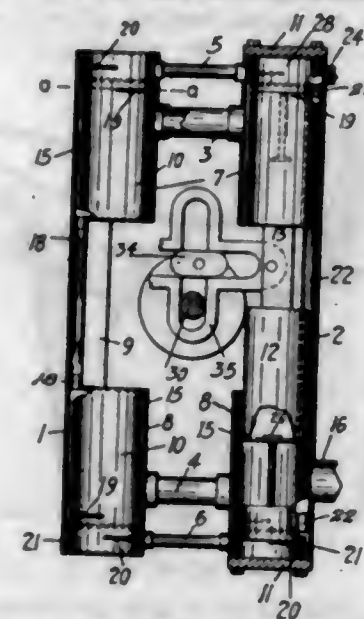


1. As an article of manufacture, a reinforcing girth for box strapping and the like comprising a somewhat resilient member formed with a back piece; a flange at one edge of the back piece and bent into the form of a hook adapted to be hooked over and engage an edge of a box strap, a second flange in the back piece opposite the first, extending substantially outwardly therefrom and having a recurved portion extending inwardly toward the opposite flange whereby said girth may be applied to mutually overlapped box strap ends by hooking one flange thereover sideways under the strap, and then snapping the remainder of the girth thereon by forcing the recurved flange portion past the opposite strap edges in a direction substantially perpendicular to the face of the strap.

1,518,438. STEAM ENGINE. ERNEST W. LINDLEY, near Dayton, Montgomery County, Ohio, assignor of one-third to Walter M. Osterday, Dayton, Ohio. Filed Sept. 20, 1920. Serial No. 411,405. 4 Claims. (Cl. 121-123.)

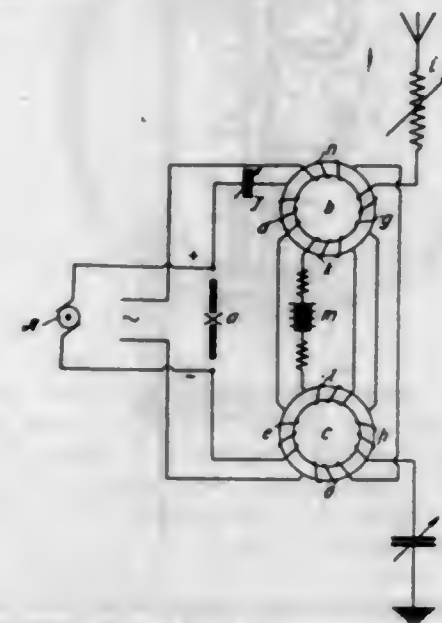
2. In a device of the type described, the combination with a cylinder, of a housing for said cylinder, a partition dividing the space between said cylinder and housing into a steam inlet chamber and a steam exhaust chamber, ports provided in the cylinder wall communicating with the inlet chamber and the exhaust chamber, a cylindrical valve in said cylinder behind the piston, adapt-

ed to be forced rearwardly by the latter to close the exhaust port and open the inlet port, and means connected between said piston and cylindrical valve whereby,



when the piston nears the end of its power stroke, it will draw said valve forwardly to close the inlet port and open the exhaust port.

1,518,439. ARC TRANSMITTER FOR WIRELESS TELEGRAPHY. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921. Serial No. 498,416. 2 Claims. (Cl. 250-17.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

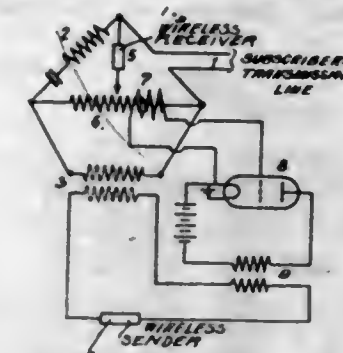


1. An arc transmitter for wireless telegraphy and telephony comprising an antenna, an arc generator, and means interposed between the generator and the antenna for producing an even or odd multiple of the frequency of the oscillations produced by the generator without damping said oscillations, said means including a frequency changer having saturated iron cores.

1,518,440. BALANCING CIRCUIT FOR TELEPHONIC TRANSMISSION. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed May 3, 1922. Serial No. 558,302. 8 Claims. (Cl. 179-81.)

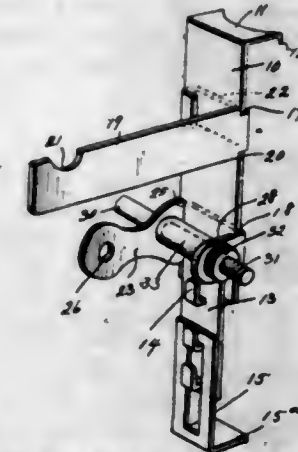
1. In a balancing circuit arrangement for telephonic transmission, a bridge circuit comprising a transmission line and an artificial line, a receiver connected across the junction of the transmission line and the artificial line on the one hand and the junction of the other two

arms of the bridge circuit on the other hand, a sender coupled to the bridge circuit, and means including a circuit coupled with the bridge circuit for neutralizing



the current communicated to the sender by the bridge circuit due to unbalance in said bridge caused by unequal impedance of transmission line and artificial line.

1,518,441. WINDOW BRACKET. EDWARD E. NOWELL, Manchester, N. H. Filed Aug. 21, 1923. Serial No. 658,576. 3 Claims. (Cl. 156-23.)



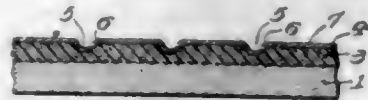
3. A curtain and shade supporting means for windows comprising a pair of brackets, each consisting of a strip of metal angularly bent at its upper end and formed with prongs adapted to be inserted in the upper edge of a window lintel, each of said strips having its opposite edges formed with two pairs of recesses, a curtain pole supporting arm made of thin metal, the rear portion being reduced, said rear portion of the arm being bent at right angles to the body of the arm and disposed in one pair of said recesses and turned over upon the face of the bracket strip, a shade supporting arm for each bracket formed of thin metal, the rear portion of which is reduced in width and bent at right angles to the body of the arm, said reduced rear portion being disposed in the other pair of said recesses and the extremity of this portion being bent outward to form an ear, the arm at its junction with the reduced portion being formed with a perforation aligning with a perforation in said ear, a rod passing through said perforations of both shade supporting arms and extending over the face of each bracket, and nuts on the extremities of the rod.

1,518,442. ELECTRIC CURLING IRON. HENRY OSTERMANN, Chicago, Ill. Filed Oct. 4, 1922. Serial No. 592,319. 5 Claims. (Cl. 132-37.)



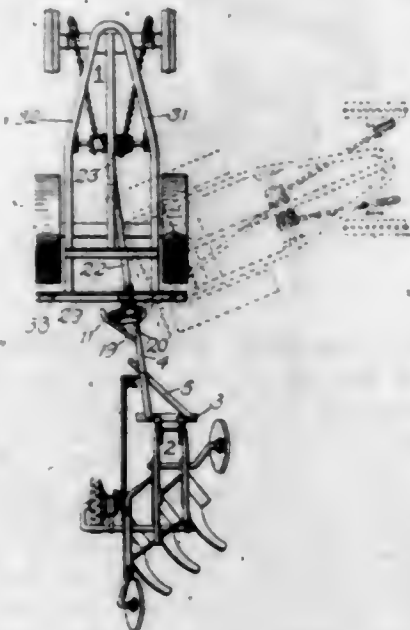
3. An electric iron comprising, a handle provided with axial grooves, a hollow shank projecting from said handle, a heating element in said shank, a detachable lever, and a resilient member pivoted on said lever and capable of engaging the grooves of said handle to lock the lever on the handle.

1,518,443. SOUND RECORD AND PROCESS OF MAKING THE SAME. JAMES W. OWEN, Secane, Pa., and ALBERTIS HEWITT, Camden, N. J., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed July 28, 1915, Serial No. 42,285. Renewed May 2, 1924. 9 Claims. (Cl. 274-46.)



1. The method of making a record of sound, which consists in providing a tablet with a face of impressible material, supporting a skin of indentible material thereon, and progressively forming a groove having undulations corresponding to sound waves, in said impressible material in and through said indentible material by a stylus vibrated laterally in accordance with sound waves.

1,518,444. TRACTOR HITCH. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 16, 1921. Serial No. 461,849. 10 Claims. (Cl. 280-33.2.)

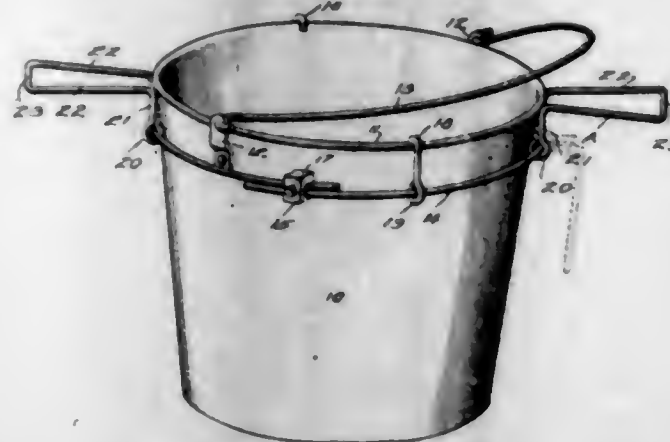


1. The combination with a tractor, of a hitch mechanism connecting said tractor with an object to be drawn, said mechanism rigidly connected to said object and pivotally connected to the tractor and having a hinge joint intermediate its length whereby part of said mechanism is free to swing with a turn of the tractor in one direction, means to hold said part from a swinging movement in the opposite direction, and means to automatically release said part to follow the turn of the tractor in said opposite direction.

1,518,445. MILK-BUCKET ATTACHMENT. VINCENT W. PHILLAN, Farrer, Iowa. Filed Oct. 2, 1922. Serial No. 591,799. 1 Claim. (Cl. 31-54.)

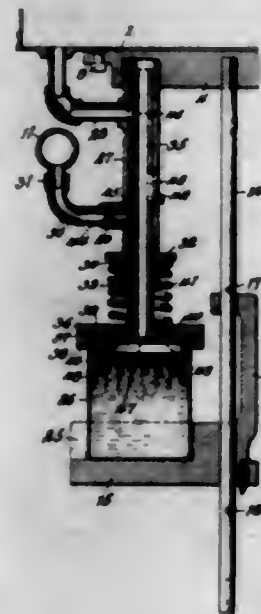
A device of the class described adapted to be used in combination with a milk bucket comprising a wire hoop arranged to encircle the bucket near the upper end thereof and to be of greater length than the circumference of the bucket, a block member having an opening therein arranged to receive the ends of the said wire hoop, a set screw arranged in the side of said block member and adapted to coact with both of the ends of said wire for locking said wire hoop against any spreading movement and for retaining the wire in proper position, a pair of wire hook members having eyelets on one end mounted on said wire hoop and arranged to have their hook end

extend over the upper edge of the bucket for supporting the hook adjacent the upper edge of the bucket, a pair of wire brackets, each of said brackets being formed of a single piece of metal having eyelets on its ends through which is extended the wire hoop, each of said



brackets being formed with a pair of knees adapted to rest against the side of the bucket and a pair of spaced supporting arms arranged at right angles to the knees abutting against the bucket for serving as brackets to support the bucket as and for the purposes stated.

1,518,446. MEANS FOR FILLING CANS. WALTER J. PHELPS, Baltimore, Md. Filed Dec. 30, 1920. Serial No. 433,996. 7 Claims. (Cl. 226-116.)

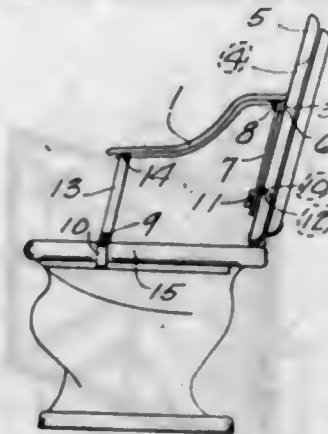


2. In a machine for filling liquids into cans, the combination of a liquid reservoir, and means for holding the cans movable toward and from the reservoir, vacuum creating means, and a single valve element controlling communication of the can interiors with the vacuum source and the reservoir in alternation, said single valve element being operated by and upon the approach of the cans to the reservoir.

1,518,447. SANITARY DOUCHE SEAT. ROBERT A. PHILLIPS, Taylorville, Ill. Filed Sept. 24, 1923. Serial No. 684,423. 3 Claims. (Cl. 4-6.)

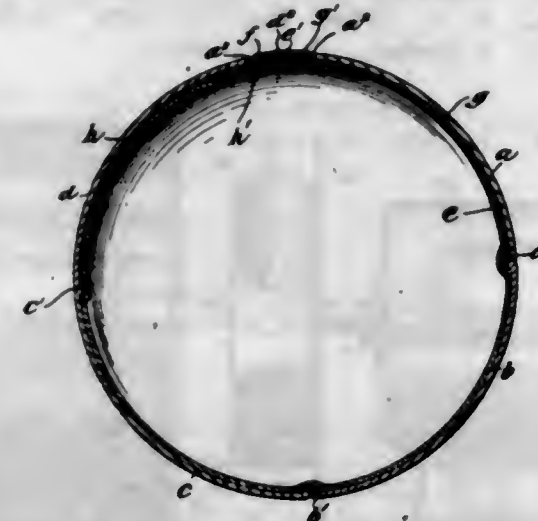
1. In combination with a toilet bowl and seat, the latter being elevated; a douche seat, the same comprising a douche seat proper having a crotch cut in the front thereof; a back bar transversely mounted at the rear edge thereof with its ends adapted to bear against the toilet seat; a rear leg hinged medially to the back bar and having a series of adjustment holes in its lower end; an adjustable hook for engaging the series of holes

in the rear leg and adapted to set upon the inner rim of the toilet seat; front legs hinged to the front corners of the douche seat and having a series of adjustment



holes in their lower ends; and adjustable hooks for engaging the holes in the lower ends of the front legs and the rim of the toilet bowl.

1,518,448. FOOTBALL. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Apr. 22, 1922. Serial No. 555,964. 3 Claims. (Cl. 273-65.)



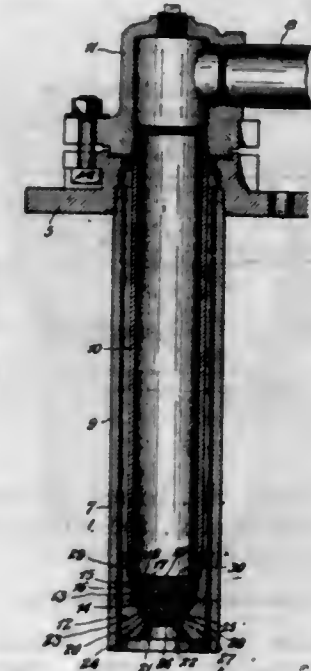
1. In a football, in combination with a leather casing therefor formed with an opening and composed of a plurality of panels, a pneumatic bladder therein, a lacing to close the casing and comparatively thin reinforcing strips of a width greater than the length of the opening and secured to two of the panels in proximity to said lacing and extending for the width of such panels and secured to the casing by stitching in proximity to the respective seams of said panels.

1,518,449. OIL SPRAY FOR CARBURETORS. PIERRE PLANTINGA, Cleveland, Ohio. Filed Oct. 12, 1921. Serial No. 507,212. 2 Claims. (Cl. 299-116.)

1. A spray nozzle comprising a body portion having an outer converging wall terminating in an outwardly flaring wall of considerable depth, a second wall spaced inwardly from the outer wall and lying substantially parallel thereto and terminating at its outer end substantially in the plane of juncture of said converging outer wall and the outwardly flaring wall, a centrally disposed conical portion arranged in spaced relation to and within the second wall and terminating in spaced relation to the outer end thereof said second wall having an outwardly flaring outer extremity beyond the conical portion, said outer and second walls and the latter and said conical portion providing concentric and converging passages terminating in inwardly stepped and flaring

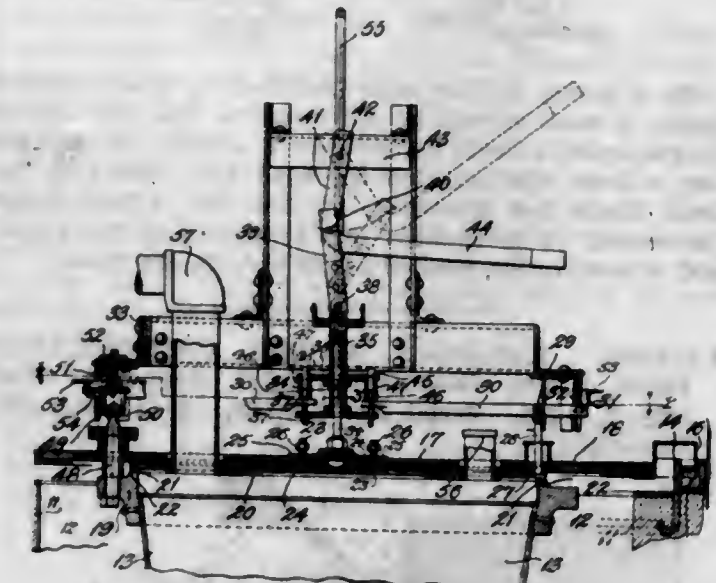
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orifices for first concentrating and subsequently intermingling the separate fluid bodies passing through the nozzle and means for causing said separate fluid bodies to whirl spirally and in opposite directions from said



orifices whereby said oppositely whirling annular films may come into contact with each other at a distance from the outer end of the nozzle and break up into a rain spray for complete diffusion of the fluid.

1,518,450. APPARATUS FOR COKING LIQUEFIABLE BITUMINOUS MATERIALS. FRANZ PUNNING, Pittsburgh, Pa., assignor to American Tar Products Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 20, 1920. Serial No. 431,853. 14 Claims. (Cl. 202-4.)

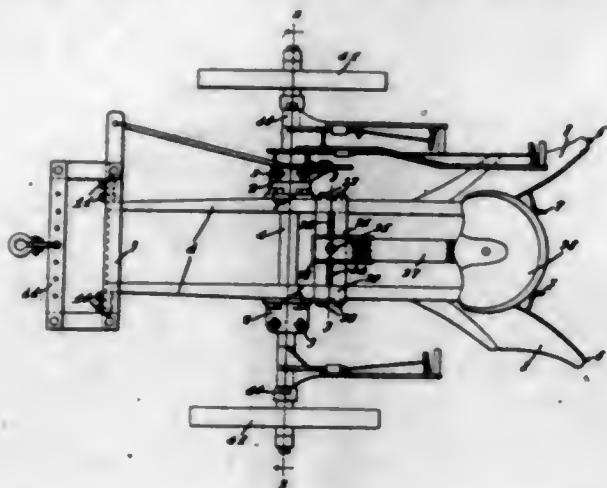


14. In an apparatus for coking pitch and the like, in combination: a furnace chamber, a receptacle for the pitch within said chamber, and a receptacle cover and furnace roof on the upper end of said receptacle, said roof having a movable seal with the furnace walls to retain gases and permit the receptacle-closing action of said cover and roof.

1,518,451. MECHANISM FOR ADJUSTING PLOWS SIDEWISE. FRANK H. RAAE, El Campo, Tex. Filed Feb. 4, 1924. Serial No. 690,492. 3 Claims. (Cl. 97-234.)

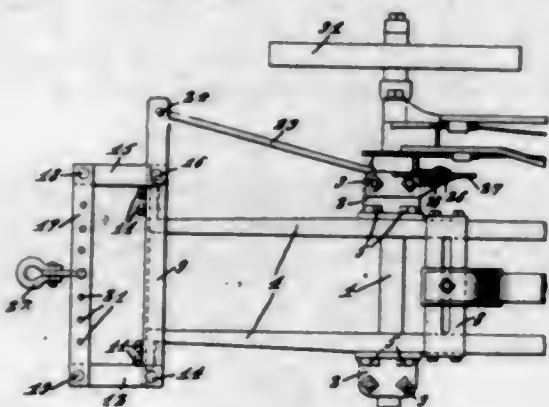
1. In a device of the class described, a wheel-mounted vehicle comprising an axle, brackets mounted on the axle,

means for securing the brackets to the axle for adjustment transversely of the draft line, beams secured to the brackets, shafts carried by the beams, a head bar,



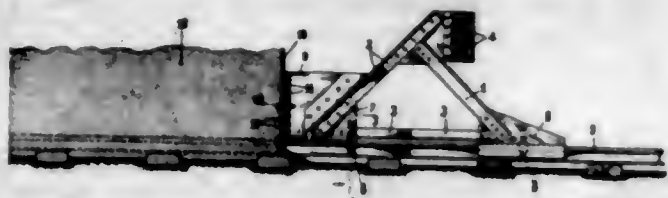
means for connecting the beams to the head bar for adjustment transversely of the draft line, and draft means assembled with the head bar.

1,518,452. DRAFT RIGGING. FRANK H. RAAZ, El Campo, Tex. Filed Feb. 4, 1924. Serial No. 600,493. 1 Claim. (Cl. 97-98.)



In a device of the class described, a wheel-mounted frame, a beam carried by the frame, a head bar carried by the beam, a draft bar located in advance of the head bar, a lever fulcrumed on the head and pivoted to the draft bar, a link pivoted to the head bar, a lever under the control of an operator and fulcrumed on the frame, and a connection pivoted at its ends to the levers.

1,518,453. RAILROAD BUFFER CONSTRUCTION. FRANZ RAWIE, Osnabruck-Schinkel, Germany. Filed July 2, 1923. Serial No. 649,112. 6 Claims. (Cl. 104-254.)

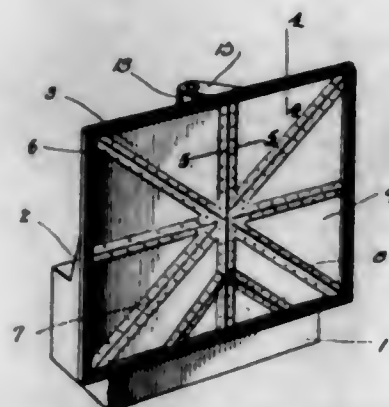


1. In a buffering device the combination with a track and a packing deposited thereon of a buffer proper slidably but undetachably mounted on the rails of the track and provided with a thrust wall bearing against said packing deposited on the track in front thereof.

1,518,454. WALL-PAPER-REMOVING MACHINE. JACON P. RICHE, Kansas City, Mo. Filed July 12, 1924. Serial No. 725,537. 2 Claims. (Cl. 126-271.1.)

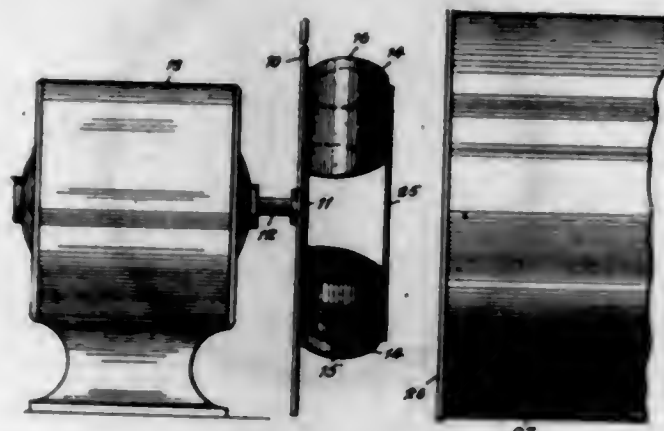
1. A wall paper removing machine comprising a steam generator, a frame supported by the steam generator provided with a back wall having an opening through

which steam from the generator may pass, radial perforate pipes in the frame secured to the back wall and communicating with the opening therein so that steam from the generator will be distributed to the radial pipes and



be discharged into all parts of the frame at the same pressure, and a packing around the edge of the frame to contact with the wall paper so that the steam issuing from the pipes will be confined within the area bounded by the packing.

1,518,455. CENTRIFUGAL FAN. ADOLPH F. ROTH, Newark, N. J. Filed May 31, 1923. Serial No. 642,522. 8 Claims. (Cl. 230-11.)

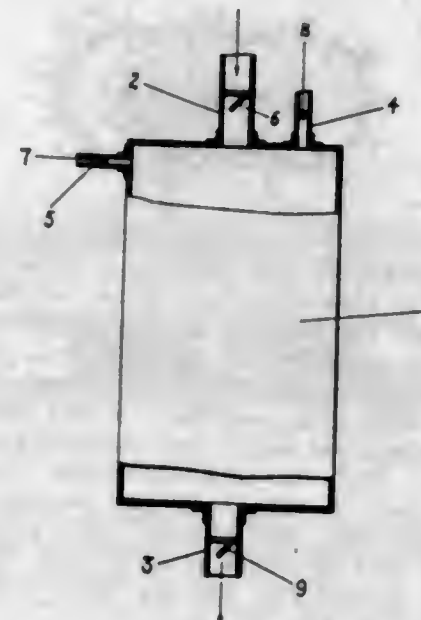


1. A centrifugal fan, comprising a baffle surface element with a hub portion, a plurality of sets of spaced interfitting air-suction elements fixed on one face of the surface element surrounding the hub portion and each air-suction element including spaced inner and outer members, and the members of each pair of said air-suction elements curved approximately similar to the curvature of a tube, and all of the air suction elements being disposed radially relative to the hub portion of the surface element whereby the axes of said members are substantially tangential to the hub portion, the outer parts of the edges of the ends of the members of each pair of the air-suction elements being tapered toward the centers of the lengths of the members as well as tapered toward the hub portion of the surface elements, and means connecting the outer faces of the outer members of all of the air-suction elements.

1,518,456. METHOD FOR PUMPING HOT LIQUIDS. PEDRO ROTH, Buenos Aires, Argentina. Filed June 17, 1924. Serial No. 720,639. 1 Claim. (Cl. 103-1.)

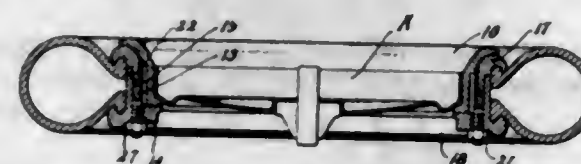
A method of pumping liquids at high temperatures, which consists in introducing the hot liquid into a closed receptacle having an inlet and an outlet for such liquid; and thereafter injecting into said receptacle a

different liquid having a boiling point lower than the prevailing temperature of the first liquid, whereby the second liquid will be vaporized by direct contact with



the first liquid, and the vapors so generated will form a gaseous piston which acts directly against said first liquid to expel it through the outlet.

1,518,457. RIM. CHARLES SCHERGENS, St. Louis, Mo. Filed Nov. 11, 1922. Serial No. 600,318. 1 Claim. (Cl. 301-11.)



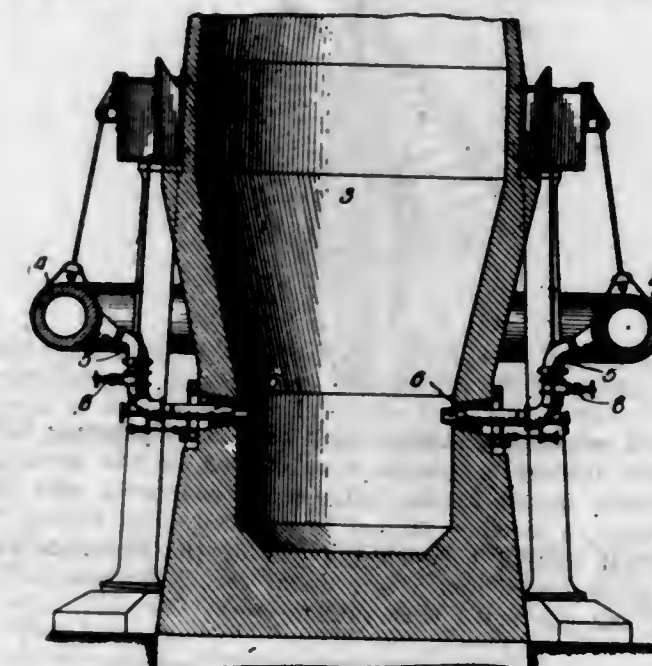
In combination with a felly, a plurality of elongated plates secured to the periphery of the felly and terminating in laterally extending threaded shanks, a rim receivable on the felly and having an annular flange having a plurality of openings, a plurality of plates carried by the inner face of the rim and each of which being arranged in transverse alignment with one of the openings, and having recesses adapted to accommodate the elongated plates, the threaded shanks passing through said openings, and nuts threaded upon the shanks and bearing against the flange.

1,518,458. CHECK HOLDER AND PUNCH. FLOYD WILLIAM SCHOOLEY, Chicago, Ill. Filed Nov. 24, 1922. Serial No. 603,015. 1 Claim. (Cl. 164-119.)



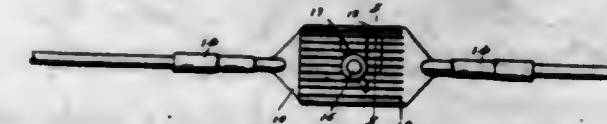
A check punch comprising a frame having a cutter, a ticket holder having an opening therein adapted to receive the cutter whereby the cutter is adapted to punch a ticket, a stop carried by said ticket holder for positioning the ticket with respect to the cutter and for limiting the movement of the cutter.

1,518,459. METHOD OF OPERATING BLAST FURNACES. SAMUEL B. SHELTON, Duluth, Minn. Filed Sept. 20, 1922. Serial No. 589,440. 4 Claims. (Cl. 260-30.)



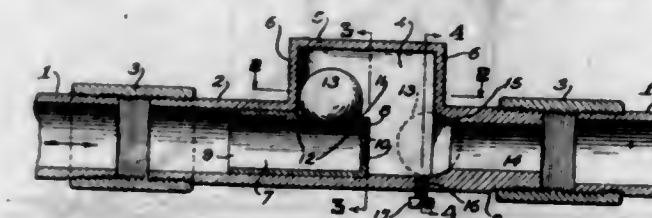
1. The method of blast furnace operation comprising the application of the blast air through a portion only of the periphery, the portion changing throughout the process.

1,518,460. COMBINATION TEST CLAMP. ARTHUR C. SMITH, Meriden, Conn. Filed Mar. 6, 1922. Serial No. 541,385. 1 Claim. (Cl. 173-324.)



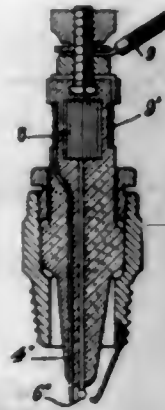
A connector clamp for line wires comprising a pair of substantially similar plate members disposed in contacting relation and permanently secured upon the ends of the wires, one plate member being formed with a hole and the other being formed with a transversely disposed L-shaped slot, and a clamping screw passing through said hole and said slot and carrying a clamping nut, both of said plate members being formed with longitudinally extending corrugations designed to interfit for insuring proper contact and preventing relative lateral movement of the plates.

1,518,461. AUTOMATIC CUT-OFF. CYRUS E. SMITH, Fall River, Mass., assignor of one-half to Arthur B. Brayton, Fall River, Mass. Filed June 18, 1923. Serial No. 646,015. 6 Claims. (Cl. 137-139.)



1. An automatic gas cut-off comprising a body having an inlet and an outlet, and an enlarged chamber between the inlet and outlet, a ball valve support within said body having an elevated ball seat in said chamber above the bottom thereof, a ball valve on said seat, and a second ball seat at the outlet of the body below the elevated ball seat, whereby abnormal pressure of fluid within the body will cause the ball valve to be forced from its elevated seat so as to occupy and close the seat at the outlet of the body and thereby stop the passage of fluid.

1,518,462. PLUG. FORREST J. SMITH, Copley, Ohio. Filed July 21, 1922. Serial No. 576,614. 2 Claims. (Cl. 123-169.)



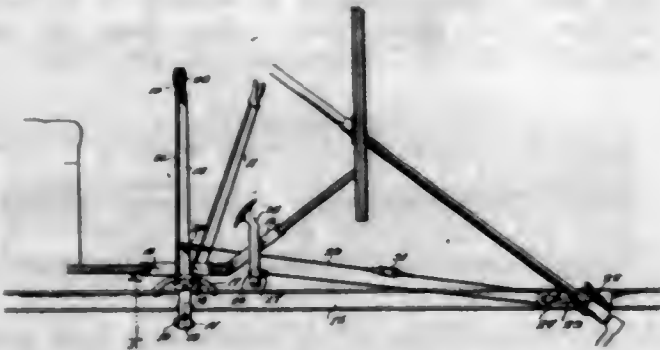
1. A spark plug comprising a shell, an insulating body carried thereby, a ground wire carried by the shell, an electrode carried by the body, a coil connected with the electrode, a member carried by the body and having its terminal located between the end of the electrode and the ground wire and a soft metal core embedded in the body and connected with said member.

1,518,463. EXCAVATING APPARATUS. DANA SPRES, Sheboygan Falls, Wis. Filed Dec. 22, 1923. Serial No. 682,232. 6 Claims. (Cl. 37-115.)



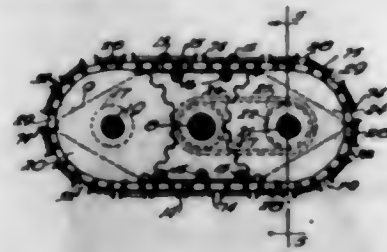
1. In a device of the class described, a shovel, legs mounted for swinging movement with reference to the shovel, the forward ends of the legs being adapted to engage the ground, and the legs being connected at the rear to form a U-shaped structure providing runners between which the shovel is mounted, means for moving the shovel forwardly, and means supporting the forward end of the shovel, said forward movement causing the shovel to swing with reference to the legs and assume loading position.

1,518,464. CLUTCH-PEDAL LATCH FOR MOTOR VEHICLES. ESCHOL L. STEPHENS, Rutherford, W. Va. Filed Dec. 3, 1923. Serial No. 678,330. 2 Claims. (Cl. 74-39.)



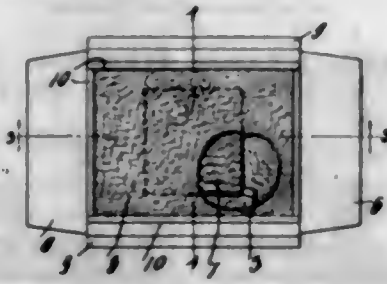
2. The combination with a motor vehicle having side bars, a controller shaft, and a foot pedal, of a rack segment fixed to one of said side bars, a hand lever freely mounted on the controller shaft to extend between said side bar and said segment limited thereby against movement along the shaft, a latch carried by the lever to coact with said segment, and means forming an operative connection between the lever and the pedal for rocking the pedal when the lever is swung.

1,518,465. TRACTOR. WILLIAM F. STERNBERG, Piper City, Ill. Filed Mar. 21, 1921. Serial No. 453,962. 1 Claim. (Cl. 180-9.1.)



In a device of the type described a frame having endless treads for supporting said frame, sprockets, carried by said frame and supporting said treads, said treads comprising a plurality of channel irons having outwardly extending lugs which project transversely across said tread, supporting members for said channel irons, links connecting said supporting members together, rods securing said links to said supporting members, and rollers mounted on said rods and adapted to engage with said sprockets, said channel irons projecting over the sides of said sprockets so as to keep the sprockets free of the ground and prevent them from becoming clogged with dirt and the like.

1,518,466. TIRE BOOT. DONALD E. STEVENSON, Indianapolis, Ind. Filed Dec. 29, 1920. Serial No. 433,854. 6 Claims. (Cl. 152-24.)



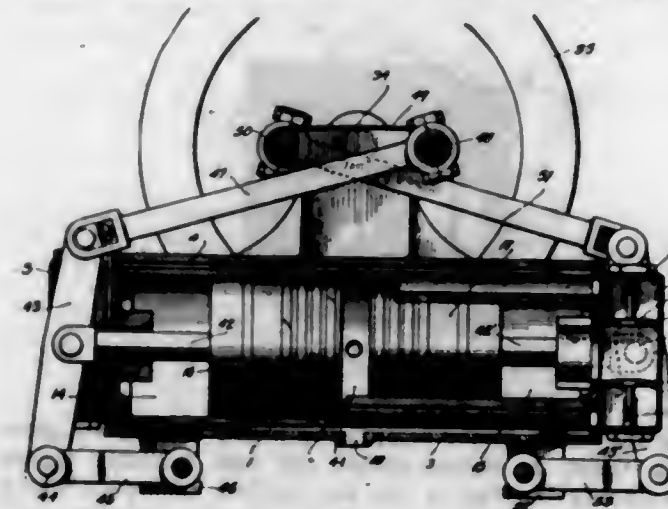
4. The process of making a blow-out patch comprising arranging inside and outside fabric pieces cut on their respective biases with their weaves extending substantially at right angles, a fabric piece between said inside and outside pieces, flaps at the edges of one of said fabric pieces, strips of unvulcanized rubber at the joints between the fabric piece and flaps, and a sheet of raw rubber disposed against the surface of the inner fabric piece, and subjecting said patch to a vulcanizing process whereby the exterior and interior surfaces are rendered smooth in appearance, substantially as set forth.

1,518,467. CLOSURE-CAP ANCHOR. JAMES D. VAN PELT, South Amboy, N. J. Filed Apr. 26, 1923. Serial No. 634,889. 2 Claims. (Cl. 220-24.)



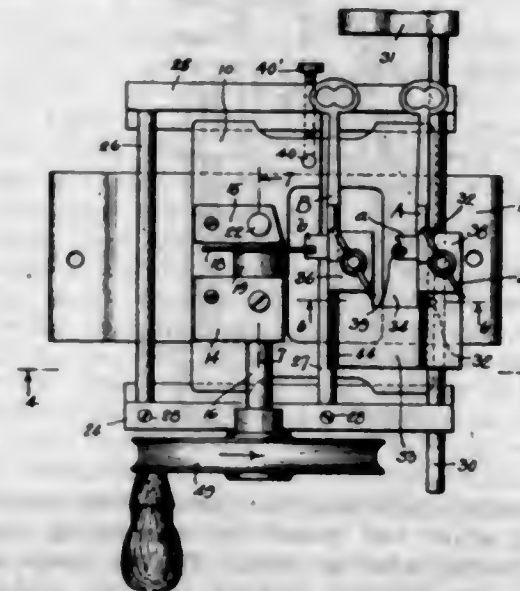
1. As a new article of manufacture, a device for connecting a closure cap with a filling nozzle, comprising a flexible element having an anchoring means at one end engageable within the filling nozzle, and a radially expandable split resilient ring having a radially inward offset eye at one end with which the opposite end of the flexible element is connected, which split ring is designed for frictional engagement within the closure cap.

1,518,468. INTERNAL-COMBUSTION ENGINE. CLARENCE W. VIRDEN, Kansas City, Mo. Filed Sept. 10, 1923. Serial No. 661,969. 6 Claims. (Cl. 123-51.)



6. An internal combustion engine comprising a cylinder having air chambers in its respective ends, reciprocatory opposed pistons in the cylinder, an air cooling jacket about the cylinder, divided into two longitudinal chambers, valves interposed between the respective chambers formed by the jacket and the chambers at the ends of the cylinder, a radiator having heat radiating ribs within it, a combustion chamber within the radiator and a conduit connecting the combustion chamber with the space between the opposed pistons, the combustion chamber having a valved inlet port and a valved outlet port and timing mechanism for intermittently opening the valved outlet port, the radiator having a discharge port surrounding a discharge port for the combustion chamber.

1,518,469. KEY CUTTER. FRANK WANKEL, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,076. 11 Claims. (Cl. 90-13.2.)

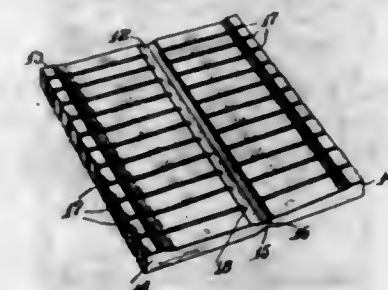


1. In a key cutting machine, the combination of a relatively fixed table, a carriage movable in right lines along the plane of the table, said carriage comprising a detachable clamping member, said table and carriage including track means movable at right angles to each other, and cam means upon one of the tracks co-operating with a lug upon the clamping member to lock the clamping member to said track.

1,518,470. TIE-PLUG SYSTEM. CHARLES C. WARNE, Yonkers, N. Y. Filed Apr. 16, 1924. Serial No. 706,864. 2 Claims. (Cl. 20-93.)

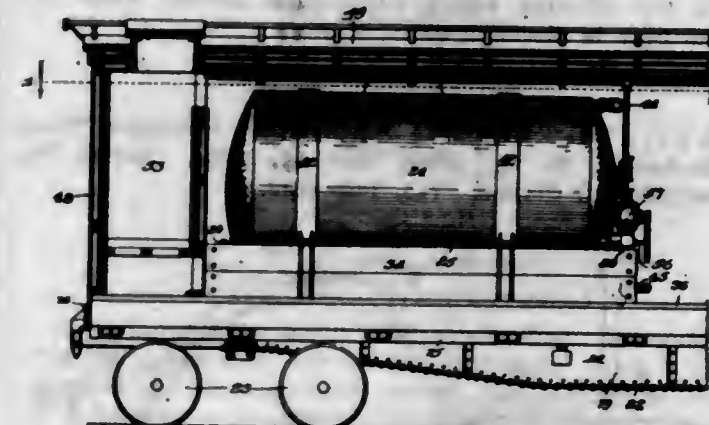
1. A unitary assemblage of wooden railway tie plugs comprising a plurality of plugs formed in pairs lengthwise of the grain and of integral construction at the points

thereof, said pairs of plugs being of integral construction side by side at said points and being separated between the region of said points and the ends of the plugs remote from said points, said plugs being adapted to be



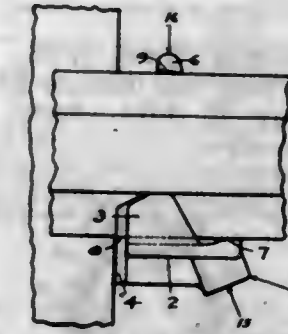
split from each other along the grain, and there being a notch formed crosswise of the length of the plugs adjacent to said points to facilitate the forcible separation of a pair into individual plugs after the splitting aforesaid.

1,518,471. TANK CAR. ROBERT E. WEAVER, Chicago, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed July 11, 1923. Serial No. 650,886. 21 Claims. (Cl. 105-358.)



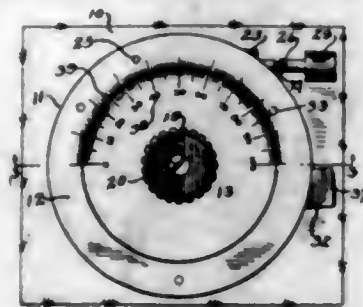
1. In a tank-car, the combination of a receptacle on the car, a tank extending into said receptacle, spacing means spacing said tank from said receptacle, and means anchoring said tank in said receptacle comprising a bed of cushioning adhering material in said receptacle and in which the lower portion of said tank is embedded.

1,518,472. ANTICREEPER FOR RAILWAY RAILS. WILLIAM S. WESTON, Dallas, Tex. Filed Sept. 20, 1923. Serial No. 663,723. 13 Claims. (Cl. 238-329.)



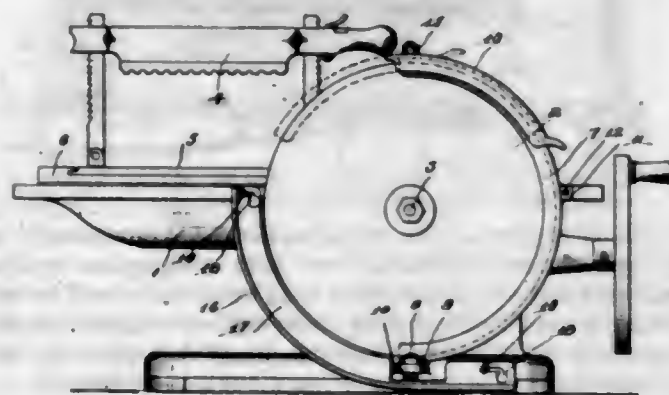
1. A spring clamp anticreeper for railway rails adapted to be sprung into operative position, comprising a tie abutting member of rigid and unyielding form adapted to extend longitudinally of the rail and bear at points adjacent its ends on one rail base flange, and a transverse bar member adapted to extend in a diagonal position beneath the rail and having a seat for bearing against the edge of the opposite rail base flange; said diagonally arranged transverse bar member being flexible whereby the distance between said seat and said tie abutting member may be expanded in the process of installation.

1,518,473. RADIO DIAL. HERBERT T. WHALER, Miami, Fla. Filed Mar. 30, 1923. Serial No. 628,827. 5 Claims. (Cl. 74-7.)



1. In an instrument having a panel and a projecting spindle mounted for rotary adjustment, the combination of a disk having a cylindrical recess in its outer face, means for securing the disk to the panel with the spindle projecting centrally therethrough, a dial adapted to be secured to the spindle to rotate in said recess, said dial having peripheral worm gear teeth, a bearing block pivotally mounted within the rim of said disk, a spindle journaled in the bearing block and having a driving a worm yieldably held in engagement with said worm gear teeth for effecting fine adjustment of the dial, and a knob for effecting rough adjustment thereof when the worm gear is disconnected.

1,518,474. SLICING MACHINE. SOLOMON WILE, Rochester, N. Y. Filed May 31, 1923. Serial No. 642,383. 3 Claims. (Cl. 146-102.)



1. The combination with a slicing machine having a rotary cutter, of a segmental guard member for a non-effective portion of the cutter mounted to turn about an upright axis to expose the cutter for cleaning.

1,518,475. MOLD FOR GOLF TEES. OSCAR ANDREW YOUNGREN, New York, and GOTTLIB KLUMPP, Brooklyn, N. Y. Filed May 23, 1922. Serial No. 563,923. 1 Claim. (Cl. 46-4.)



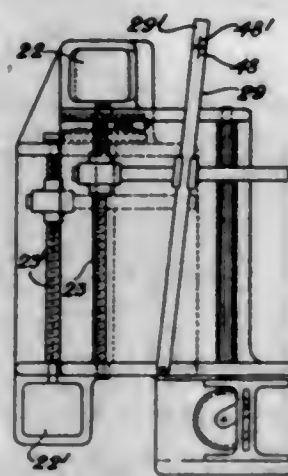
A mold for forming golf tees formed of a single piece of metal and comprising two side members normally separated and together shaped to form the body of the tee with a top member adapted to form the top of the tee, spring members integrally formed with the top and side members, and connecting said side members and said top member whereby when the side members are released from pressure they expand and separate to release the mold from the tee, substantially as set forth.

1,518,476. GAME SCORE BOX. CECIL L. BALL, Stockton, Calif. Filed June 9, 1923. Serial No. 644,370. 1 Claim. (Cl. 235-125.)



A game score device comprising a box having an opening in front, a ribbon inside the box movable across and adjacent the top of the box, spaced spools on which the ribbon is wound, there being an opening in said top above the adjacent spool, and an idler roller adjacent and under said top opening and over which the ribbon passes intermediate the upper spool and the front opening of the box, whereby to maintain the ribbon in close proximity to the top opening regardless of the amount of ribbon on the spool; said ribbon having two corresponding sets of numbers on the same face thereof, the numbers of one set being visible only through the front opening and the others only through the top opening and in correlating order.

1,518,477. FIRE-CONTROL APPARATUS, DETERMINATION OF QUADRANT OF ENEMY'S COURSE. ARCHIBALD BARR and WILLIAM STROUD, Glasgow, Scotland, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Filed Sept. 6, 1923. Serial No. 661,309. 10 Claims. (Cl. 235-61.)

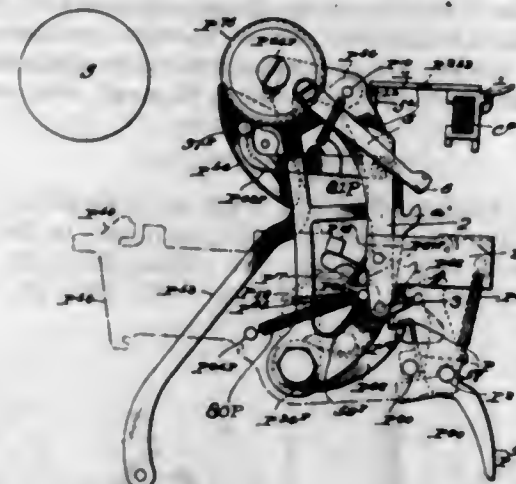


2. Apparatus comprising two goniometers situated at a distance apart and means for correlating the two measured angles whereby when (1) the range of the target, (2) the distance between the two goniometers and (3) the angle α , the angle between the line of sight and the base, are known, the sign of the deviation from the broadside on position may be indicated.

1,518,478. DATE PRINTER. FREDERICK W. BERNAU, Newark, N. J. Filed Oct. 24, 1921. Serial No. 510,028. 6 Claims. (Cl. 235-50.)

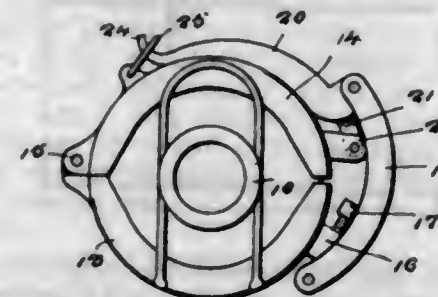
1. In an adding, subtracting, or listing machine, the combination with a numeral printing group adapted to print the results of settings of the machine when the latter is operated, of a normally operative self-contained manually-settable date printer on which the date may be set up at will independently of the operation of the machine, said date printer, unless restrained, being adapted to automatically operate to print a date as-

sociated with the number printed by said printing group when the machine is operated, said date printer being operated by the same mechanism that operates the



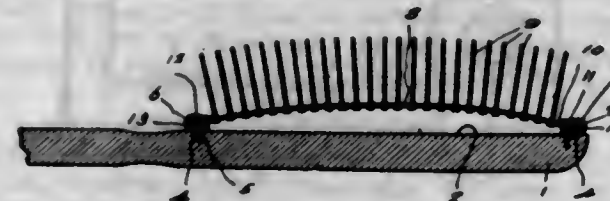
printing group so that it is normally adapted to print the date when an item is printed by the printing group and means for preventing, at will, the operation of the date printer, to thereby eliminate date printing.

1,518,479. HOSE COUPLING. HARRY BREWER, Sidney, Nebr. Filed Feb. 7, 1921. Serial No. 443,095. 1 Claim. (Cl. 285-129.)



A coupling device of the character described comprising two pivotally connected semi-circular sections adapted to embrace the ends of a pair of pipe sections, each section being of channel formation in cross section, a lug projecting from one section adjacent the free end thereof, a threaded element adjustable within said lug, a cross piece associated with said adjusting element, a curved yoke terminally pivoted on said cross piece, a combined clamping and locking lever having one end pivoted to the opposite end of said yoke, apertured yokes projecting from the other section of the coupling adjacent its free end, a link pivoted between said ears and pivotally connected with said locking lever, a loop pivoted on the second mentioned section of the coupling at a point remote from its free end, and said locking lever terminating to provide a curved extremity adapted to be engaged by said loop for the purpose specified, and a U-shaped yoke carried by one of the semi-circular sections and slidably embracing one of the pipe sections.

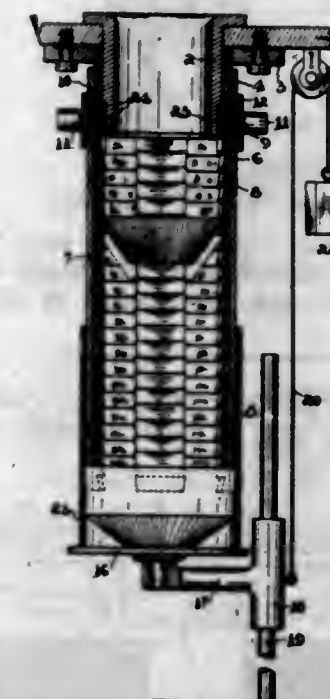
1,518,480. HAIRBRUSH. ISAAC W. P. BUCHANAN, Lebanon, Tenn. Filed Sept. 16, 1922. Serial No. 588,676. 6 Claims. (Cl. 15-186.)



1. The combination in a brush, of a pad, bristles carried by said pad and arranged in a group spaced from the edge of the pad, a back the face of which is opposed to the back of the pad, keeper means on

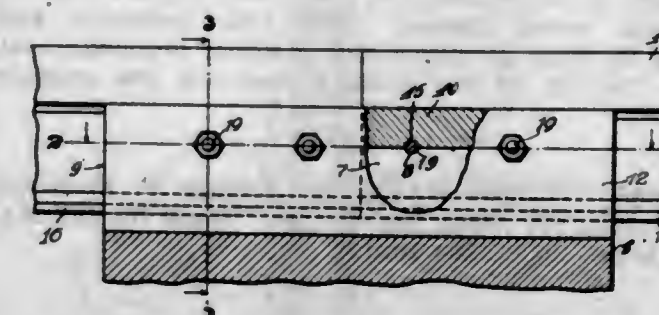
the back and about the pad and receiving the edge of said pad, and fastening means about the group of bristles carried by the pad and detachably engaged with both the pad and the keeper means; one of the two said means being resilient.

1,518,481. PACKING DEVICE FOR PAPER CUPS AND THE LIKE. PETER FLETCHER BUCHANAN, London, Ontario, Canada. Filed May 10, 1924. Serial No. 712,383. 7 Claims. (Cl. 226-16.)



1. In a packing device for paper cups, the combination of a plurality of spaced stationary ratchet racks adapted to be positioned about the discharge orifice of a paper cup machine; a plurality of movable ratchet racks alternated with the stationary racks and adapted to be reciprocated in a direction parallel therewith; and a cup support yieldably supported in line with the discharge end of the device.

1,518,482. ANCHOR PLATE. WILLIAM H. CLARK, Juliette, Ga. Filed June 4, 1924. Serial No. 717,815. 2 Claims. (Cl. 238-207.)

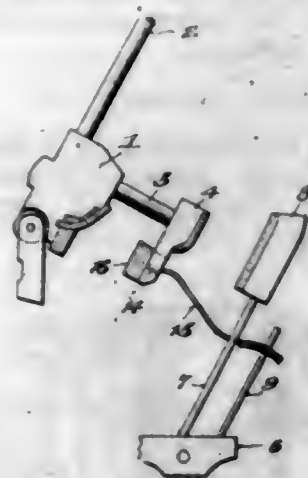


2. A device of the class described, constructed as set forth in claim 1, and further characterized by the fact that the upper edge of the flange and the lower surface of the body are provided with cooperating notches receiving the securing device.

1,518,483. PIANO ACTION. JAMES S. CONNER, Roanoke, Ala. Filed May 29, 1922. Serial No. 564,533. 3 Claims. (Cl. 84-243.)

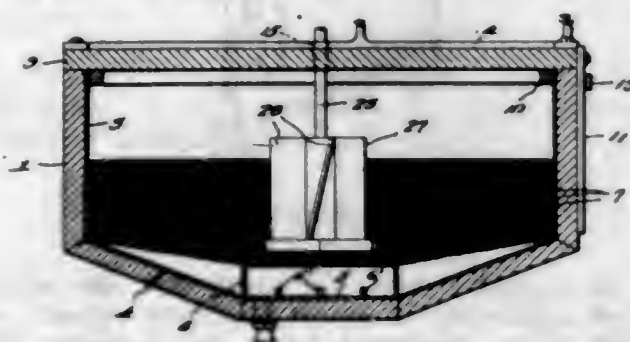
1. The combination with a piano action having a hammer butt with a back stop connected thereto, and having an opening in it, of a removable bridle strap

having an opening adjacent one end for attachment to a bridle wire, said end passing through said opening



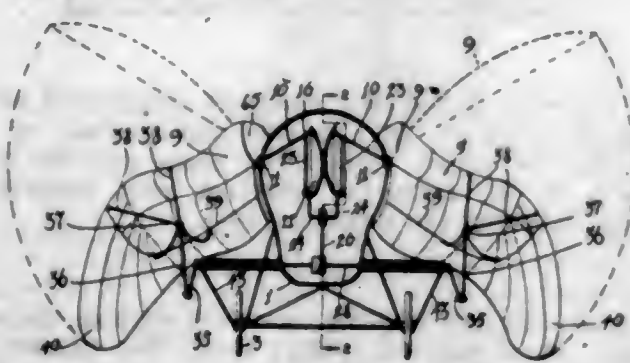
in the back stop, and having a back stop felt attached to the other end thereof, said felt being of a size to prevent it from entering the opening in the back stop.

1,518,484. DISHWASHER. FRANK B. COOLEY, Springfield, Mo. Filed Feb. 23, 1921. Serial No. 447,128. 1 Claim. (Cl. 141-9.)



A dish washer of the character described comprising a lined receptacle having the central portion of its bottom flat, an annular shell rising from and having portions engaging the said flat portion of the bottom and being provided with spaced openings in the side walls to allow drainage to an outlet opening formed in the receptacle adjacent one corner of the flat portion thereof, a reticulated basket including partitions and having a central portion resting upon the shell and its outer edges engaging the receptacle at the line of juncture of the bottom and side walls thereof, and an agitating means disposed within the receptacle and having its lower portion arranged within the basket and above the top of the annular shell for the purpose specified.

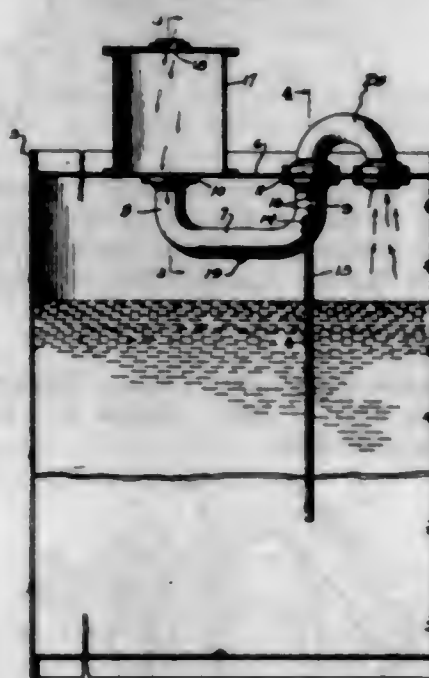
1,518,485. FLYING MACHINE. GEORGE W. COWGILL, Evanston, Ill. Filed Aug. 9, 1923. Serial No. 656,584. 5 Claims. (Cl. 244-20.)



1. A flying machine of the character described comprising a fuselage, a pair of wings swivelly mounted on said fuselage and having shaft members extending

interiorly of said fuselage, a pair of substantially concave guide members, an endless groove having substantially the shape of a figure 8 on the concave surface of said guide members, said interiorly extending portions of said shafts being arranged to travel through the groove in said guide members, and means within the fuselage for causing said wing shafts to move through said endless groove.

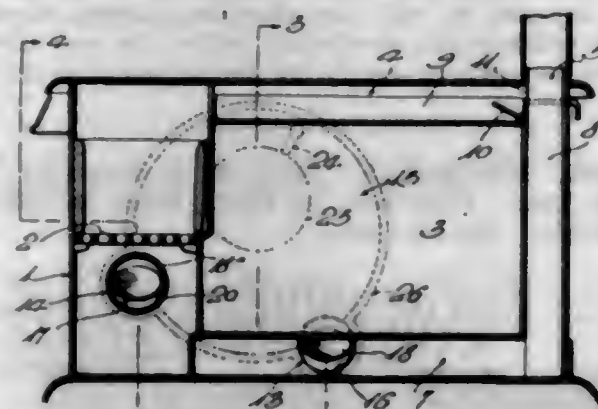
1,518,486. RELIEF DEVICE FOR OIL TANKS. JOHN EDWARD CREWS, Sunland, Calif., assignor to David F. Youngblood, San Antonio, Tex. Filed Mar. 23, 1923. Serial No. 627,192. 13 Claims. (Cl. 137-53.)



10. A liquid seal for receptacles, comprising a substantially U-shaped pipe adapted to be secured to the underside of the top wall of the receptacle, and adjustable means for establishing direct communication between one leg of the pipe and the bottom part of the receptacle.

11. A receptacle for liquids comprising top, bottom and side walls, a substantially U-shaped pipe secured to the top wall and depending therefrom, one leg of the pipe opening to the atmosphere, and a return bend forming a continuation of the other leg of the pipe and opening into the top of the receptacle.

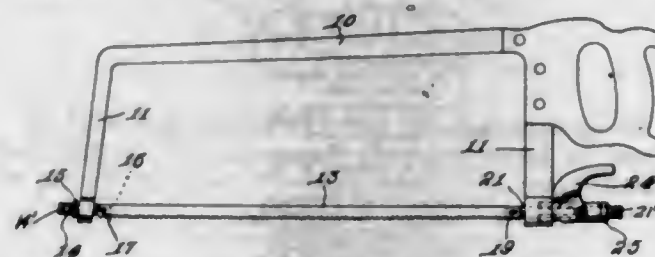
1,518,487. KITCHEN-RANGE FIRE-BLOWER AND SOOT CLEANER. RILEY CULBERTSON, Glenora, Ind. Filed Feb. 1, 1924. Serial No. 690,064. 1 Claim. (Cl. 126-15.)



A kitchen range having an oven, a grate, and a damper-controlled flue for heating said oven, said range having an opening in one wall under said grate and another opening in said wall into said flue; a fan containing cas-

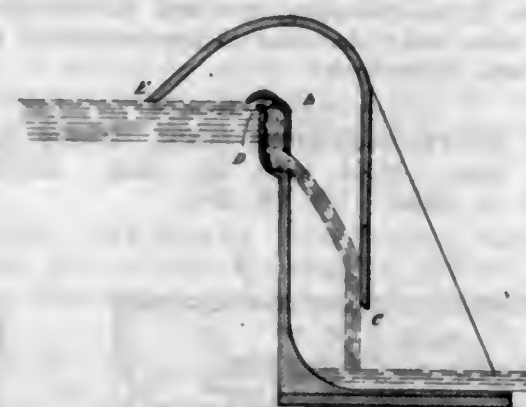
ing secured against the outer side of said wall and having a pair of rigid tubular nipples extending through said openings, a perforated tube under said grate having an open end snugly engaging one of said nipples, a pair of damper plates pivotally mounted in said nipples for controlling the discharge of air therefrom, and operating rods for said damper plates extending to the exterior of said fan casing.

1,518,488. MEAT SAW. MIKE DANDREA, Millburn, N. J. Filed Feb. 11, 1924. Serial No. 692,109. 1 Claim. (Cl. 145-33.)



A saw comprising a substantially U-shaped frame having openings adjacent the ends thereof, a member mounted for rotation in one end of the frame, a saw blade having its adjacent end connected with said member, a sleeve received by the opening at the other end of the frame, a member passed through said sleeve and connected with the adjacent end of the saw blade, and capable of rotation with reference to the first mentioned member whereby the blade can be arranged at any angle with relation to the frame, a collar carried by the second mentioned member and against which one end of the sleeve bears, and a cam shaped lever pivoted on said sleeve for moving it toward and away from said collar, and bearing against the adjacent end of the frame when the sleeve contacts the collar to hold the blade in its given position.

1,518,489. PRIMING DEVICE FOR SPILLWAY SIPHONS. POWIA DAVIES, Raipur, India. Filed Mar. 6, 1923. Serial No. 623,119½. 2 Claims. (Cl. 61-18.)

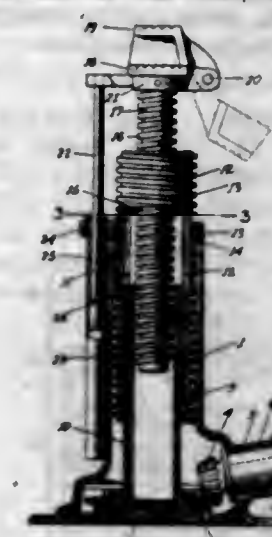


2. A siphon having a siphon relatively smaller than the main siphon, the smaller siphon being connected at its outlet end with the outlet leg of the main siphon and having its outlet leg and suction end arranged externally of the passage through the main siphon, the outlet end of the said smaller siphon extending the full width of the main siphon and being so adapted as to cause a stream of water or other liquid to be projected to effect the sealing of the outlet leg of the main siphon.

1,518,490. COMPOUND SCREW JACK. RANDALL M. DIXON, Stockton, Calif. Filed Mar. 20, 1924. Serial No. 700,516. 3 Claims. (Cl. 254-102.)

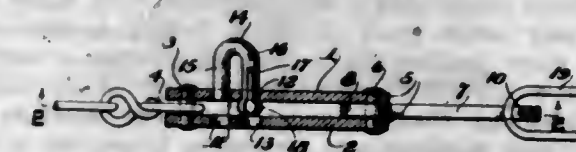
1. A jack comprising a casing, a lifting stem normally telescoped therein and capable of being projected therefrom, a rod fixed to and extending parallel with the stem to move vertically therewith, a sleeve slidably mounted

on the casing and arranged to remain stationary during the initial movement of the rod, and means whereby



when the rod has moved a predetermined distance the sleeve will then be raised with any further movement of such rod.

1,518,491. CHAIN FASTENER. BERTRAM E. DOWN-TON, Dewey, Okla., assignor of one-half to Charles E. Schlegle, Dewey, Okla. Filed June 30, 1924. Serial No. 723,311. 5 Claims. (Cl. 24-60.)



1. In combination with two relatively movable members, one of said members having two pairs of spaced apertures, and the other member having a single aperture to align with one of said pairs, a U-shaped keeper having a short leg movably mounted in the pair of apertures with which the single aperture is aligned, and a longer leg engaging with the other pair of apertures, and means whereby the longer leg may be withdrawn from one of said other pair of apertures but is held from withdrawal from the other aperture of said other pair.

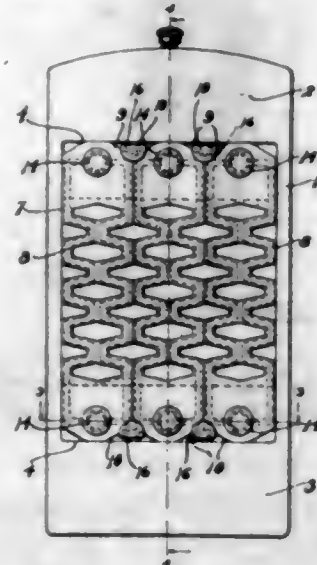
1,518,492. DEEP-WELL-DRILLING APPARATUS. OSWALD DUDA, Houston, Tex., assignor, by mesne assignments, to Reed Roller Bit Company, a Corporation. Filed May 11, 1922. Serial No. 560,163. 15 Claims. (Cl. 255-71.)



1. In deep well drilling apparatus, a drill stem, cutters, a lubricant holder, and a pump for forcing the lubricant to the parts to be lubricated, carried by the appa-

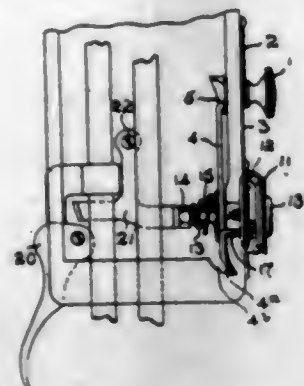
ratus and operated by the vibration of the apparatus, due to its working against the material being cut, said pump having a piston reciprocating relative to the lubricant holder substantially as described.

1,518,493. RADIATOR. BIRT EDWARDS, Montezuma, Ind. Filed Feb. 26, 1923. Serial No. 621,273. 1 Claim. (Cl. 257-129.)



A radiator comprising a shell provided with upper and lower water heads, each of which having a depression at their outer confronting corners to provide a vertical wall and a horizontal wall, the vertical walls having spaced openings therethrough, short pipe sections received in said openings and projecting therefrom, a core comprising series of separable water columns to be received in the depressed portions of the water heads, the ends of each of the columns being substantially rectangular and the sides thereof forming separable zig-zag water passages which communicate with said ends, said ends having openings therethrough whereby the inner series of the columns receive the short pipe sections therein, other short pipe sections arranged in the openings of the inner and outer series of columns, plugs closing the openings on the outer face of the outer series of columns, and spring influenced means revoluble for contacting engagement with the outer series of columns for forcing the same against the inner series and the inner series against the inner walls of the depressions in the heads of the shell.

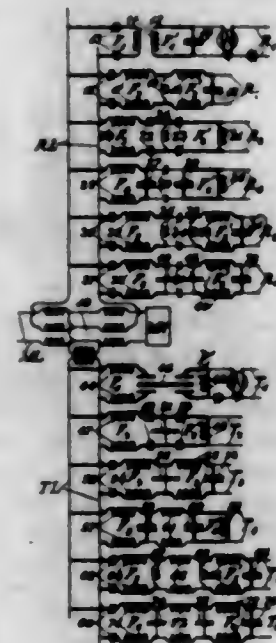
1,518,494. TENSIONING DEVICE FOR SEWING MACHINES. ROBERT ELCOCK, Johannesburg, Transvaal, South Africa. Filed May 2, 1922. Serial No. 558,021. 6 Claims. (Cl. 112-234.)



6. Means for regulating the tension in the thread of a sewing machine comprising two tension plates, a bolt on which said tension plates are rotatably carried, the bolt being capable of longitudinal movement, a plate, through which the bolt passes, spring means acting on said bolt, said plate being movable so that the pressure exerted by the spring on the bolt, and on the tension plates, can be varied, a knob means at the upper end

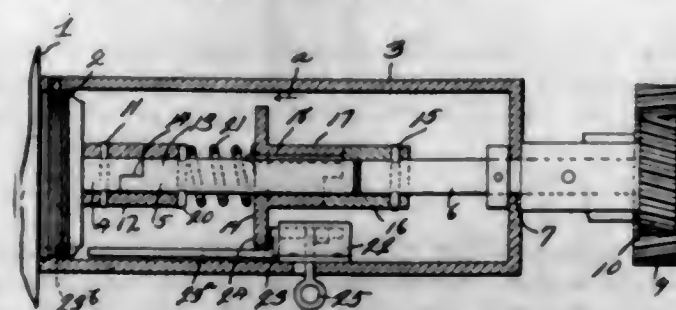
of the plate adapted to lift and force inwardly the plate on rotation of said knob, and an inclined surface formed on the inside of the head, the lower end of the plate being turned towards and working on said inclined surface so that when the plate is lifted its lower end is forced inwardly.

1,518,495. SELECTIVE CIRCUITS. LLOYD ESPEN-SCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,521. 11 Claims. (Cl. 178-44.)



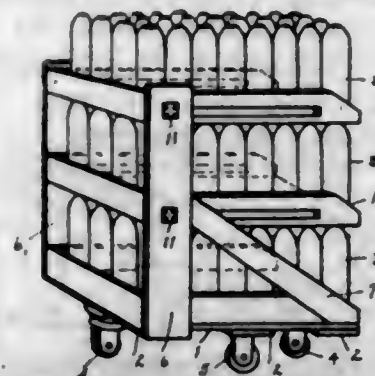
2. A selective device comprising a pair of selective circuits, each circuit including inductance and capacity whereby the circuits may be tuned to the same desired frequency, and means for loosely coupling the tuned circuits, comprising series and shunt impedance elements one of which is inductive, and said impedance elements being so proportioned and related with respect to each other and with respect to said tuned circuits as to produce a greater discrimination against frequencies on one side of the frequency to which the selective circuits are tuned than that due to the selectivity of the tuned circuits themselves.

1,518,496. IGNITION-SYSTEM LOCK. HENRY ESSERT, Gretna, Nebr. Filed Sept. 22, 1922. Serial No. 589,912. 1 Claim. (Cl. 70-90.)



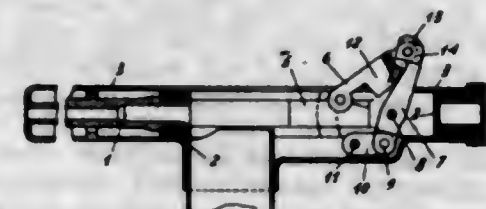
The combination with a generator having a generator shaft, said shaft being formed in sections, a clutch member carried by one of said sections adjacent its ends, a feathered clutch element carried by the adjacent shaft, a coiled spring for normally forcing said clutch members in engagement, a casing surrounding the shaft sections, a lock carried by said casing, an annular flange carried by the slidable clutch member, a bolt controlled by said lock, said casing being threaded on the generator, said bolt being positioned whereby when the same is forced outwardly it will engage the annular flange and de-clutch the clutch members and will be received in a slot of the generator adjacent the threaded connection thereof to the casing.

1,518,497. MILL TRUCK. TIMOTHY A. FLOOD and EVERETT W. CONBOY, Utica, N. Y. Filed Mar. 13, 1922. Serial No. 543,267. 3 Claims. (Cl. 280-49.)



1. In a mill truck, a frame, trays superimposed above said frame, and elongated recesses formed in said trays to permit the same to move relative to said frame.

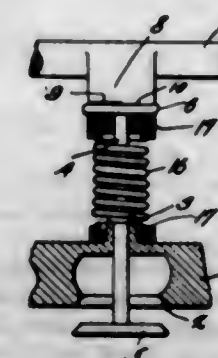
1,518,498. AUTOMATIC FIREARM. ADOLF FURBER, Berne, Switzerland, assignor to Schweizerische Industrie Gesellschaft, Neuhausen, Schaffhausen, Switzerland. Filed Apr. 14, 1924. Serial No. 706,504. 4 Claims. (Cl. 42-3.)



1. Automatic fire arm with articulated breech mechanism actuated by the recoil, which mechanism comprises a breech bolt and a breech frame movable in stationary guides the breech bolt being movable in the breech frame, characterized by the fact that a pivoted link, moving the breech bolt and rotatably mounted on a pivot in the breech frame is at its rear end pivoted to one end of a supporting link which rotates on a shaft in the stationary part of the weapon.

4. Automatic fire arm with link bolt according to claim 1, characterized by the fact that the delivery of shots in automatic repeat firing can be controlled by drawing the trigger further back and the shot release can be effected before the forward movement has been completed.

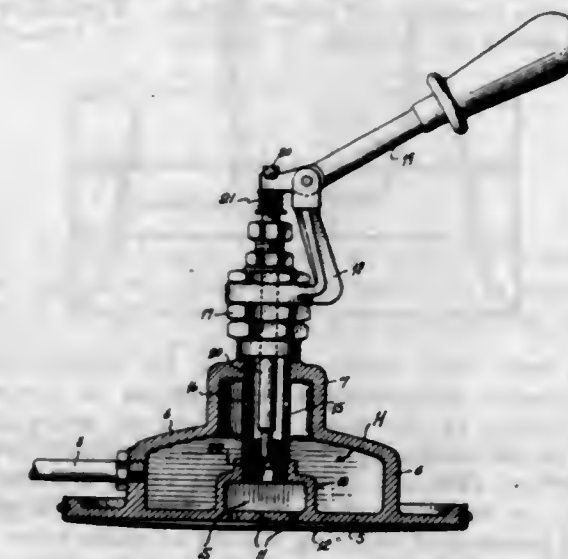
1,518,499. CAM SHAFT. JEW GARLICK, Paterson, N. J. Filed May 2, 1921. Serial No. 466,160. 1 Claim. (Cl. 123-90.)



In a device of the class described a valve operating member comprising a stem and a head on the stem, a shaft having a cam located symmetrically with respect to the axis of the stem and substantially equal in width to the diameter of the head, a portion of the high end of the cam being cut away to form a projection disposed unsymmetrically with respect to the axis of the stem, the projection having a straight bearing edge located at right angles to the stem and extending radially of

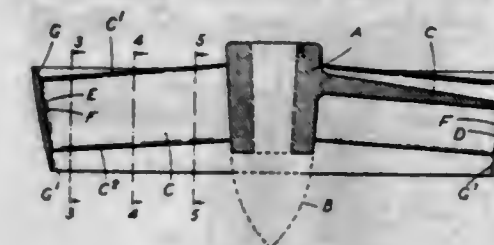
the head from a point in direct alignment with the stem to a point closely adjacent to the periphery of the head, the projection having a maximum tendency to rotate the operating member, and having a minimum tendency to push the stem out of alignment.

1,518,500. STEAM-SPRAYING AND STEAM-HEATED MEMBER FOR GARMENT-PRESSING MACHINERY. PETER EDUARD GELDHOF, Syracuse, N. Y., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 28, 1921. Serial No. 518,407. 2 Claims. (Cl. 68-9.)



1. In an improved pressing element for use in garment pressing machines, the combination of a pressing element having a relatively large hollow chamber located upon one face thereof; means for admitting a heating medium into said chamber; a second chamber formed within the first chamber; the pressing member having that wall which is adjacent said smaller chamber perforated, and the upper portion of said smaller chamber being provided with a threaded opening which is in alignment with the opening formed in the corresponding wall of the larger chamber; a valve casing adapted to be passed through the opening in the wall of the outer chamber, the lower end of the valve casing being threaded and adapted to be screwed into the opening formed in the smaller chamber; a valve seat mounted in the lower end of said valve casing; a valve stem mounted in the casing and extending downwardly therefrom; and means for guiding said valve stem, the valve casing being provided with openings to admit the heating medium from the larger to the smaller chamber when the valve stem is unseated from the seat.

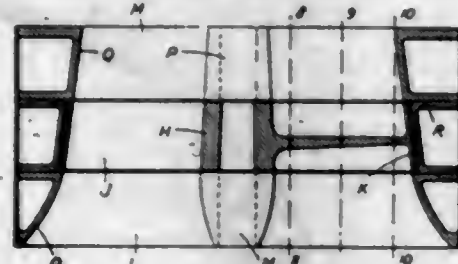
1,518,501. SCREW PROPELLER OR THE LIKE. JAMES HERBERT WAINWRIGHT GILL, Heacham, England, assignor to Gill Propeller Company Limited, Norfolk, England, a Company of Great Britain. Filed July 24, 1923. Serial No. 653,561. 10 Claims. (Cl. 170-168.)



9. A screw propeller or the like comprising a boss, blades of lenticular section carried thereby, and a shroud which is composed of a number of separate curved plates mounted on the tips of the blades in such a manner as

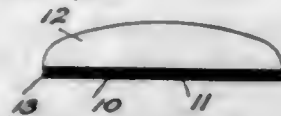
to present a practically continuous and substantially conical inner surface, the blades and the boss being so proportioned that the product of the next available cross-sectional area between the boss and the shroud at any section and the square root of the axial distance to the section measured from a suitable origin is constant, whilst the effective pitch of the blades increases in an axial direction at a rate inversely proportional to the rate of variation of the square root of the cross-sectional area as set forth.

1,518,502. SCREW PROPELLER OR THE LIKE. JAMES HERBERT WAINWRIGHT GILL, Heacham, England, assignor to Gill Propeller Company Limited, Norfolk, England, a Company of Great Britain. Filed July 25, 1923. Serial No. 653,758. 5 Claims. (Cl. 170-168.)



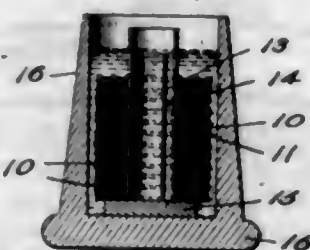
5. An axial flow pump including in combination a rotary impeller comprising a boss, blades of lenticular section carried by the boss, and a shroud mounted on the tips of the blades and having a substantially conical inner surface, two sets of fixed guide vanes disposed respectively on the inlet and outlet sides of the impeller, two fixed bosses each carrying one set of guide vanes, and two shrouding rings respectively fixed to the tips of the guide vanes of the two sets, the parts of the pump being so shaped that the product of the nett cross-sectional area available for the fluid stream flowing through the pump at any section and the square root of the axial distance to the section measured from a suitable origin is constant, whilst the effective pitch of the impeller blades increases in an axial direction at a rate inversely proportional to the rate of variation of the square root of the cross-sectional area, the effective pitch of the blades also decreasing radially outwards from the boss to the shroud as set forth.

1,518,503. INK CAPSULE. BYRON B. GOLDSMITH, New York, N. Y. Filed Mar. 2, 1922. Serial No. 540,488. 6 Claims. (Cl. 134-38.)



1. An ink capsule consisting of a hollow disc, the opposite faces of which are made of material permeable to liquid, and comminuted ink producing material between the faces.

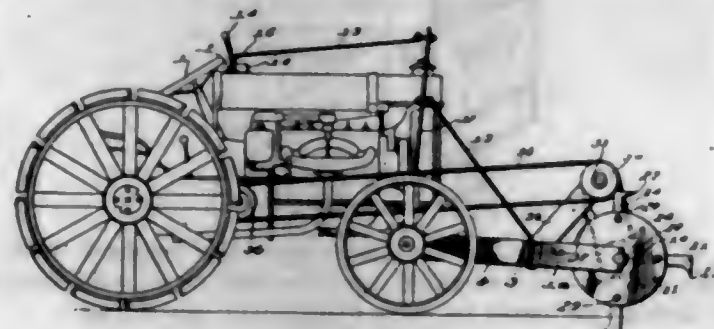
1,518,504. SOLUBLE INK AND DISPENSING MEANS THEREFOR. BYRON B. GOLDSMITH, New York, N. Y. Continuation of application Serial No. 36,889, filed June 28, 1915. This application filed July 6, 1922. Serial No. 573,164. 11 Claims. (Cl. 120-57.)



1. As an article of manufacture a disc containing soluble ink having an aperture of a size suitable for forming a dipping space and having corrugations ex-

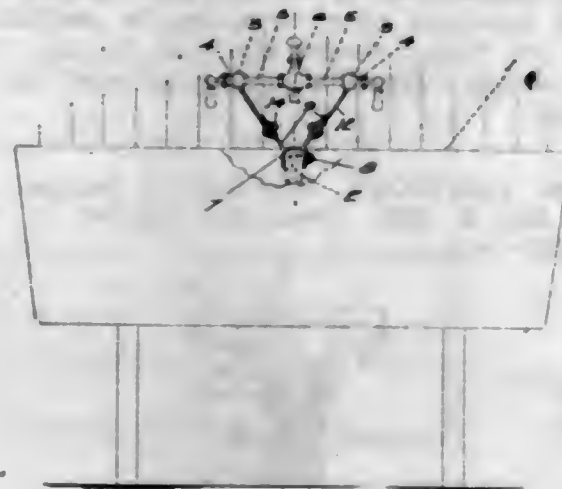
tending outward from said aperture toward the periphery, whereby when a number of such discs are superposed, passages are afforded for access toward the apertures.

1,518,505. ROAD LEVELER. BERT WILLIAM GRAY, Belmont, Wis. Filed Sept. 21, 1922. Serial No. 589,676. 1 Claim. (Cl. 262-19.)



A scarifying attachment for tractors comprising a frame having a pair of spaced apart parallel arms, a pair of elongated rigid members, a pair of double hinges, each comprising two spaced apart hinge plates and a third hinge plate pivotally connected at its opposite ends to the first hinge plates, said third hinge plate being adapted to be rigidly secured to the front axle of a tractor, one of said first hinge plates being rigidly secured to one of said arms and the other of the first hinge plates being rigidly secured to one of said elongated rigid members, similar tie members adjustably connecting said frame with said elongated rigid members and holding said elongated rigid members in angular relation to said frame, means for connecting said elongated rigid members with an operating lever on said tractor so that operation of said lever will effect simultaneous swinging movement of said elongated rigid members and said frame, and scarifying means carried by said frame and adapted to be actuated by connection with a rotating part on said tractor.

1,518,506. BRACE FOR WASHTRAYS. CHARLES H. GUNN and JOHN C. NEWCOMB, Oakland, Calif. Filed Aug. 1, 1923. Serial No. 655,007. 5 Claims. (Cl. 4-193.)

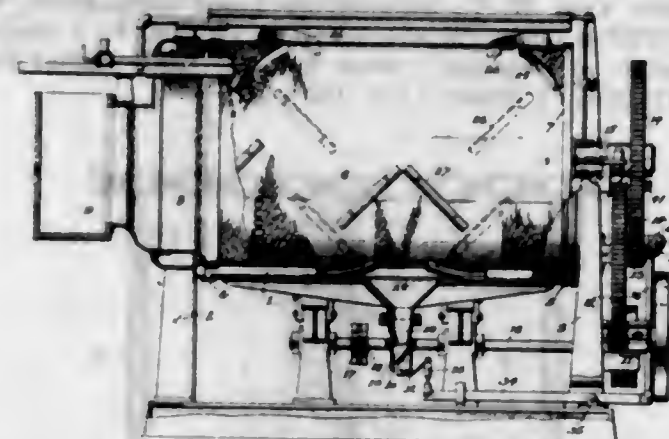


1. A bracket comprising a bifurcated yoke, means for fixing the yoke in position, and opposed arms extending outwardly and upwardly from the yoke and provided with engaging means at their outer ends.

1,518,507. SCREEN FOR PAPER PULP. JAMES W. HAMMOND, Walpole, Mass., assignor to Bird Machine Company, Walpole, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1924. Serial No. 703,778. 7 Claims. (Cl. 92-36.)

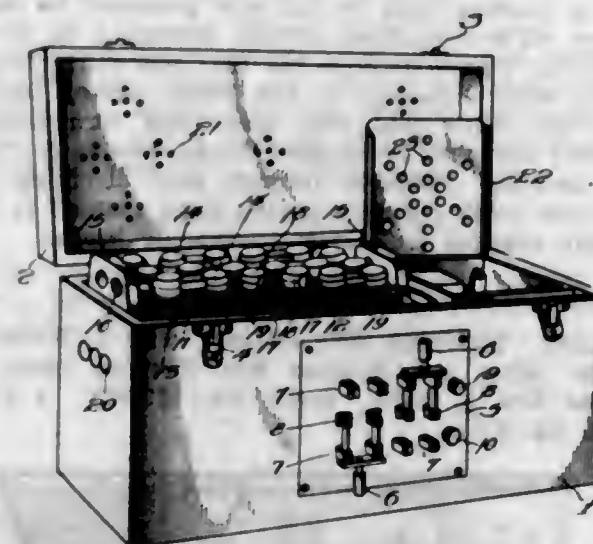
6. In a screen for paper stock, the combination of a vat having discharge opening in the lower portion thereof for coarse material and dirt, a cylindrical screen

mounted in the vat, means for rotating the screen, a series of flights spaced at an angle to each other and to the axis of the screen, said flights being secured to and spaced about the outer face of the screen in pairs, the members of the various pairs in the series, beginning at a given point upon the screen, gradually approaching



each other, a valve for controlling the discharge opening, and means for operating said valve in timed relation to the rotation of the screen, the parts being so arranged that the valve is opened when the pair of flights which are closest together come into juxtaposition with the discharge opening.

1,518,508. INTERCHANGEABLE BATTERY SYSTEM FOR RADIO SETS. HARRY HART, Chicago, Ill., assignor of one-third to Julius B. Rubenstein and one-third to Jacob I. Goldstein, both of Chicago, Ill. Filed June 7, 1924. Serial No. 718,644. 5 Claims. (Cl. 204-29.)



2. In a construction of the character described, the combination with an enlarged container of a panel mounted thereon, knife switches and terminals on said panel, a plurality of batteries removably supported within the container, a combined transformer and rectifier also removably mounted in the container, connections between the batteries and the terminals on the panel, and means for simultaneously discharging current from one battery to a radio receiving set while another discharged battery is being simultaneously recharged.

1,518,509. NONSINKABLE COAT. HENRY RIDGEWAY HART, Montclair, N. J. Filed May 29, 1922. Serial No. 564,342. 1 Claim. (Cl. 9-20.)

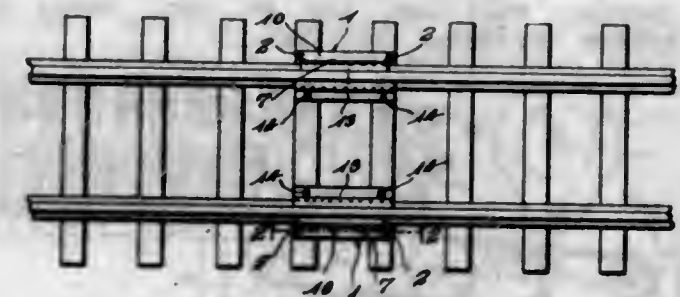
A non-sinkable coat of the character described, comprising buoyant material incorporated with the upper part of the coat so that the center of buoyancy of the

wearer is above his center of gravity, and a strap buttoned to the back of the coat, extending downwardly, between the legs of the wearer, and upwardly, under-



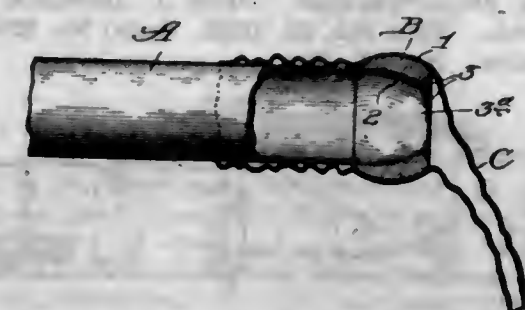
neath the lower front portion of the coat and buttoned at its end to the coat, whereby the strap is substantially invisible from the front and a belt encircling the waist exteriorly of the coat.

1,518,510. RAIL ANTICREEPER. MILLARD L. HARVEY, Savannah, Ga. Filed Mar. 3, 1924. Serial No. 696,712. 2 Claims. (Cl. 238-315.)



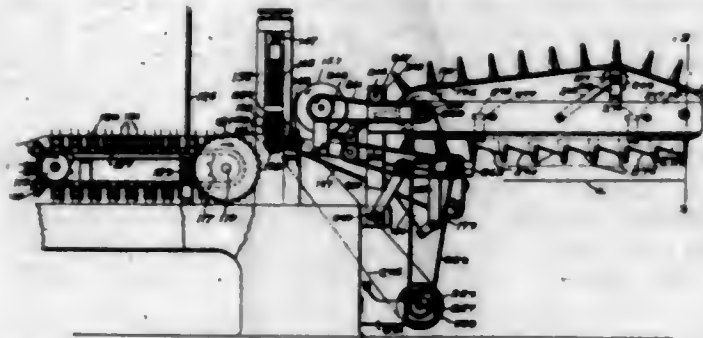
1. An anti-creeper comprising a bar adapted to extend across and to be secured against the upper sides of two adjacent railway ties, the upper side of said bar having a plurality of parallel transverse ribs with abrupt inner ends, and an angular bar having an upstanding flange adapted to be secured to a railway rail, said angular bar having also a horizontal flange to rest upon said first-named bar, the lower side of said horizontal flange having spaced transverse grooves snugly receiving the aforesaid ribs, the inner ends of said grooves terminating in abrupt shoulders for contact with the inner ends of said ribs.

1,518,511. STUFFER HORN. WILLIAM FRANKLIN HENDERSON, Pittsburgh, Pa., assignor to Erwin O. Freund, Chicago, Ill. Filed May 19, 1924. Serial No. 714,304. 5 Claims. (Cl. 17-41.)



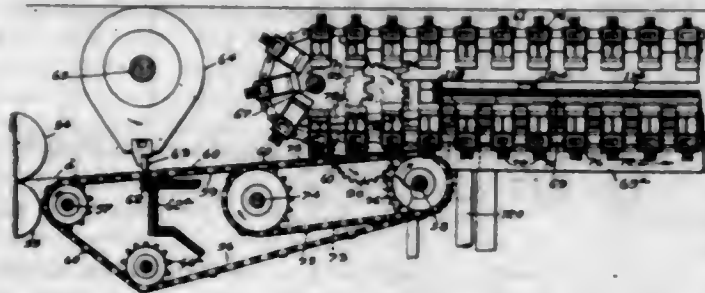
1. A stuffer-horn comprising a tube and a tip having an enlarged external diameter and presenting a rounded taper end surface.

1,518,512. MACHINE FOR APPLYING REINFORCING FILAMENTS TO FABRICS. CHARLES H. HOWARD, Saugus, and LEWIS SHARP, North Attleboro, Mass., assignors to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 26, 1921. Serial No. 404,064. 37 Claims. (Cl. 154-1.)



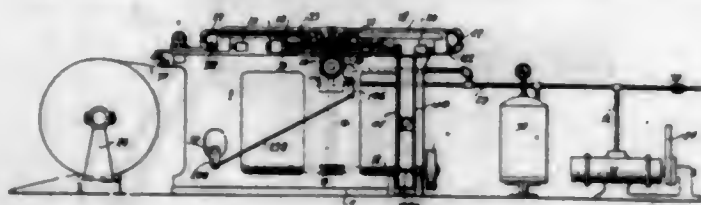
6. A machine of the character described, comprising, in combination, means for feeding a fabric to be reinforced by unspun filaments, means including a comb device for feeding the filaments while in substantially parallel relation transversely to the path of feed of the fabric, means to sever the filaments at intervals to form sections, and means to apply the sections to the fabric transversely to the latter.

1,518,513. MACHINE FOR APPLYING REINFORCING FILAMENTS TO FABRICS. CHARLES H. HOWARD, Saugus, Mass., assignor to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 30, 1922. Serial No. 585,250. 26 Claims. (Cl. 154-1.)



10. In a machine for reinforcing a fabric, means for feeding a fabric to be reinforced, means for feeding a sheet of filaments transversely to the path of feed of the fabric, an endless carrier having comb teeth thereon, means for projecting the teeth of the carrier between the filaments to hold them, doffing bars for disengaging the filaments from the teeth of the carrier to deposit the sheet of filament transversely of said fabric, rotatable members having teeth extending longitudinally thereof and forming slide-ways that support the doffing bars, and means for rotating said members to move the group of bars supported thereby into doffing position and to bring other teeth into position to support another group of bars.

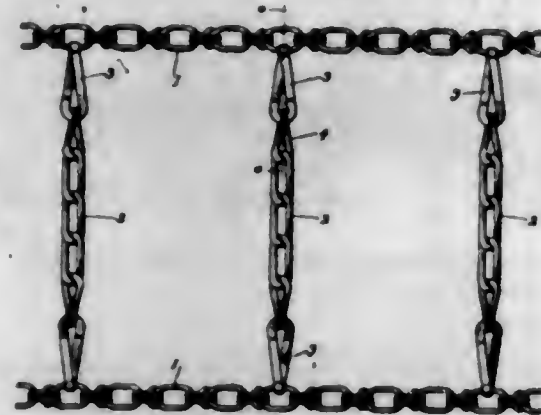
1,518,514. MACHINE FOR THE MANUFACTURE OF PAPER RECEPTACLES. DAVID J. JENNINGS, Cleveland, Ohio. Filed Feb. 23, 1923. Serial No. 620,639½. 84 Claims. (Cl. 93-39.)



1. In a machine for making paper receptacles, the combination of means for feeding a continuous strip, a platen across which the strip is fed, a mandrel coaxing with the platen and rolling on the same, means on

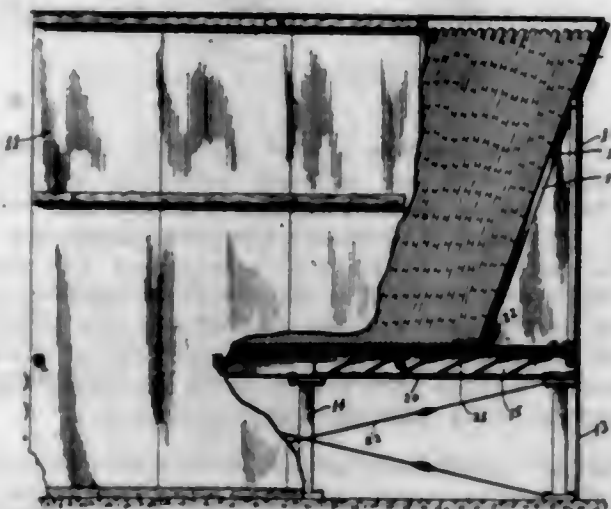
the mandrel and platen for cutting from the strip the paper required to form the wall of the receptacle, and means for holding a disk of paper and rolling the edge of the disk into such wall during its foundation.

1,518,515. TIRE CHAIN. A. LANGSTAFF JOHNSTON, Jr., New York, N. Y., assignor, by mesne assignments, to O.T.N. Chain Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 11, 1920. Serial No. 423,219. 1 Claim. (Cl. 152-14.)



In anti-skid chains for automobile tires, in combination, two circumferential side chains, each comprising a plurality of connected links, a plurality of elongated connecting links permanently connected to spaced links of each of said side chains, each of said connecting links being constructed of flattened resilient stock bent into overlapping relationship intermediate its ends to form at one end of the link an eye for connection to a side chain link, said eye being adapted to grip said side chain link to hold the connecting link so as to resist turning movement on its longitudinal axis, thus restraining it to assume a position with its flat side presented to the tire surface while permitting pivotal movement on the side chain link toward or from the tire, said connecting link having sides diverging in the plane thereof from the connection with said side chain and terminating in reversely arranged overlapping hooks, closely contiguous but separably yieldable through said diverging sides, and cross chain members having links adapted to be releasably engaged with said overlapping hooks.

1,518,516. LUMBER DRY KILN. PAUL T. JONES, Corinth, Miss., and EDWARD ROY TAYLOR, Texas, Ala. Filed Dec. 8, 1923. Serial No. 679,378. 4 Claims. (Cl. 34-19.)



2. In a kiln of the class described, a casing, supports extending in said casing in spaced relation to the bottom of the casing, said supports constituting means to receive stacked lumber, and a wire screen extending

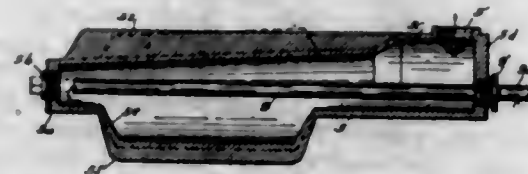
across the casing between the supports to prevent upward passage of sparks, inclined baffles provided with downwardly turned upper ends and extending between the supports in spaced relation to each other.

1,518,517. TRAILER STEERING DEVICE. HENRI WOUTER JONKHOF, Semarang, Java, Dutch East Indies. Filed June 19, 1923. Serial No. 646,429. 2 Claims. (Cl. 280-33.55.)



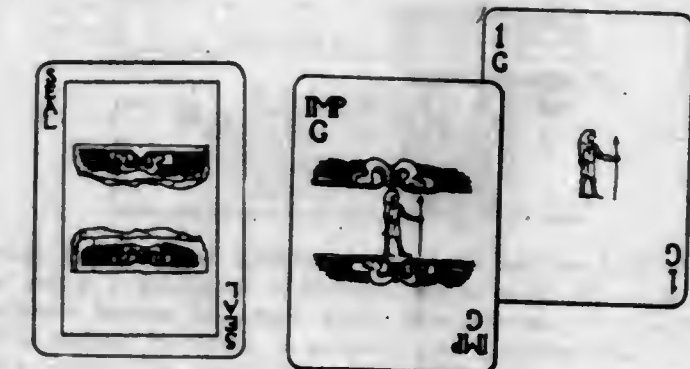
1. A trailer steering device, comprising, two vehicles, a connecting rod coupling the vehicles, a turn table on each vehicle, a loading platform slidably supported by the turn tables, and a resilient connection between the connecting rod and the loading platform.

1,518,518. WATER-HEATING ELEMENT. HARRY W. JORDAN, Syracuse, N. Y. Filed June 2, 1924. Serial No. 717,290. 7 Claims. (Cl. 126-31.)



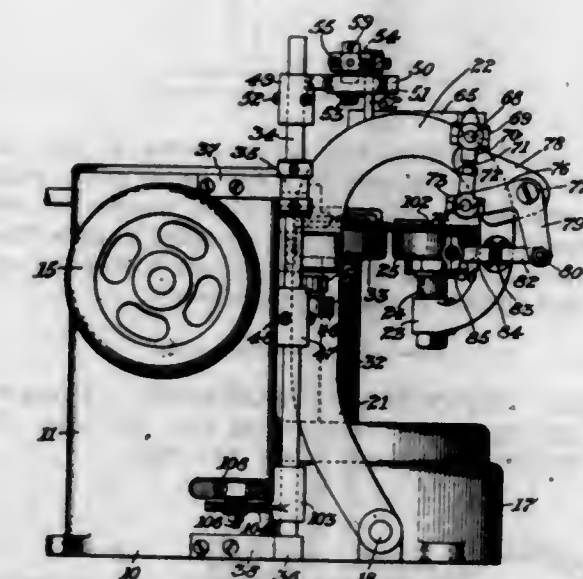
1. A water heating element comprising an elongated hollow body adapted to be disposed in a heated zone of a furnace, said body having a depending hollow tapering leg adapted to contain a thin body of water, the top wall of said body opposite said leg inclining upwardly towards the head end, said head end having a relatively large opening for the exit of the hot water, and a water supply pipe of relatively small capacity disposed longitudinally in the body adapted to conduct water to be heated substantially the full length of the hollow interior of the body and to discharge the water beyond the remote end of said leg.

1,518,519. PLAYING CARDS AND CARD GAMES. CORNELIUS VARDEN KENT, Chicago, Ill. Filed Feb. 15, 1924. Serial No. 693,118. 5 Claims. (Cl. 273-162.)



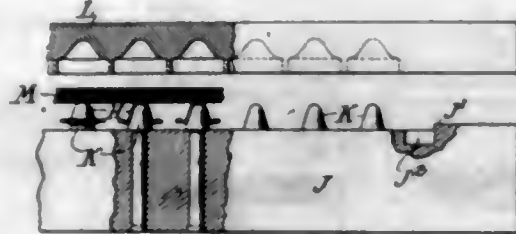
1. A deck of playing-cards, based upon ancient Egyptian history, comprising a group of permanently superior cards, and a like number of distinct suits of twice as many cards each, one of which is a composite two-color suit, and the others, simple one-color suits, substantially as described and shown.

1,518,520. SEWING MACHINE. HERMANN ARTHUR KLEMM, Harrison, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed June 10, 1921. Serial No. 476,395. 10 Claims. (Cl. 112-18.)



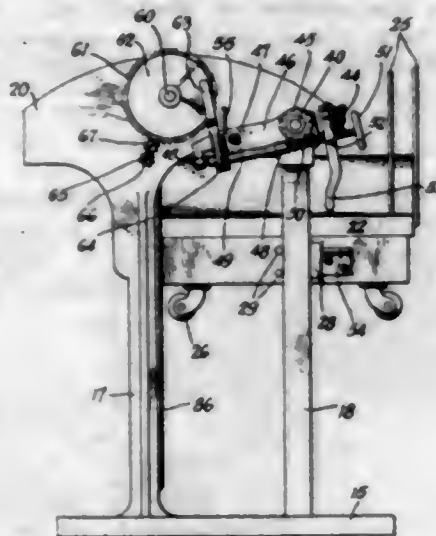
1. In a sewing machine of the class described, a frame, a drive shaft mounted therein, a rocker shaft also mounted in the said frame, an inner feed cup mounted in the frame, an overhanging rocker arm pivotally mounted in the frame, an outer feed cup mounted in the said rocker arm, devices within the outer feed cup for imparting an intermittent revoluble movement thereto, adjustable devices carried by the said rocker arm for actuating the said means and determining the extent of movement thereof, and means for operating the said devices from the said rocker shaft.

1,518,521. METHOD OF FORMING WASHERS. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of said Henry Phillip Kraft, deceased. Original application filed Feb. 20, 1915, Serial No. 9,537. Divided and this application filed Aug. 16, 1920. Serial No. 403,750. 4 Claims. (Cl. 18—59.)



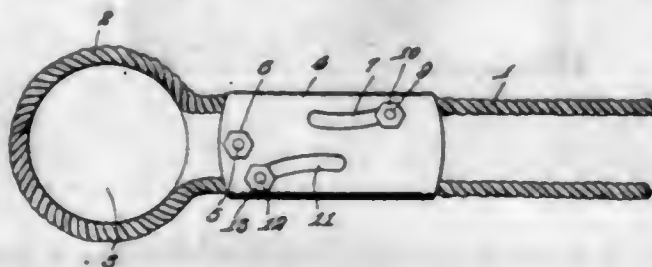
1. The method of forming packing washers for valve caps or the like, which consists in mounting a series of stiffening members with their edges in spaced relation to a supporting plate, placing a sheet of rubber over such series, and applying a mould over said sheet, and then vulcanizing.

1,518,522. SUCTION FEEDING MACHINE. HENRY KREJCA, Pearl River, N. Y. Filed June 18, 1923. Serial No. 646,196. 2 Claims. (Cl. 271—62.)



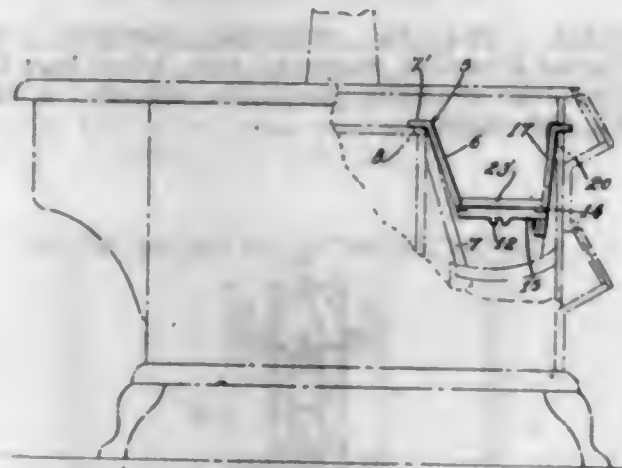
1. A paper feeding apparatus having a pair of uprights, drums at the ends of a horizontal shaft rotatable in the uprights, a platformed truck, means for detachably engaging said truck to the uprights to slide thereon, sheaves rotatably engaged in said truck, and cables operated by said drums engaging said sheaves.

1,518,523. CLOTHESLINE FASTENER. ANDREW KUSIK, Michigan City, Ind. Filed Jan. 16, 1924. Serial No. 686,597. 2 Claims. (Cl. 24—136.)



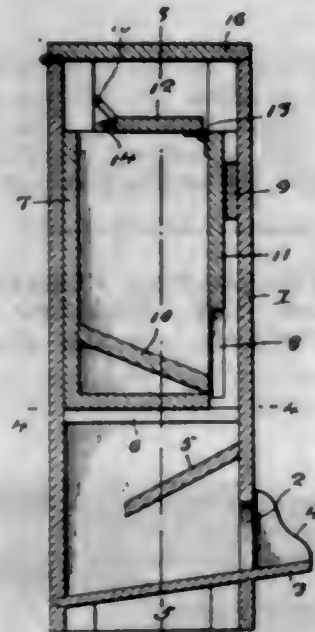
1. A clothes line fastener and tightener comprising a sleeve having side walls and edge walls and also having pairs of coincident slots in its side walls and inclined relative to its edge walls, clamping or binding members disposed and adjustable in the said slots and having threaded end portions, and nuts mounted on the said threaded end portions of the clamping or binding members and adapted to be set against the outer sides of the side walls of the sleeve.

1,518,524. ADJUSTABLE STOVE LINING AND GRATE. RICHARD LACOURSE, Salt Lake City, Utah, assignor of one-half to Joe Doran and one-half to Clarence R. Fuller, Anaconda, Mont. Filed Mar. 6, 1922. Serial No. 541,423. 1 Claim. (Cl. 126—144.)



An adjustable firebox lining including sections, each of said sections having arms, the arms of one section adapted to cooperate with the arms of the opposite section to assist in adjustably supporting the sections, one of said sections having depending portions formed with elongated openings, bracket members having openings adapted to register with the openings of the depending portions of bolts extending through the registering openings to adjustably support the bracket members with respect to the sections, and supporting means forming a part of one of the sections.

1,518,525. HOUSEHOLD COAL BOX. JOHN J. LANDREWS, Brooklyn, N. Y. Filed Mar. 15, 1924. Serial No. 699,480. 3 Claims. (Cl. 126—283.)

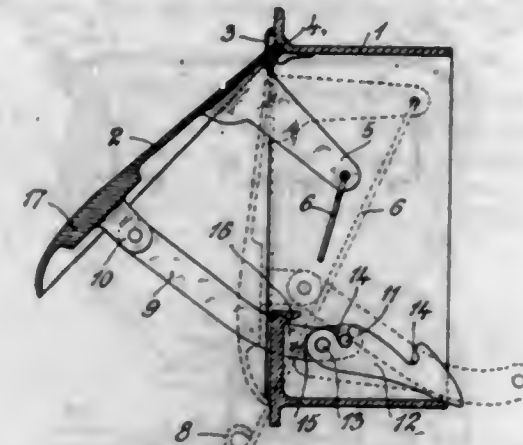


1. In a device for the purpose set forth, a receptacle having an opening adjacent to the bottom wall thereof, an upwardly inclined lip outward of the opening, cleats in the receptacle above the opening, a bucket member for holding coal removably arranged in the receptacle and normally resting on the cleats and a slidable front on the bucket member whereby coal may pass therefrom on to the bottom of the receptacle.

1,518,526. VENTILATOR. ANDERS GUSTAF LARSON, Christiania, Norway. Filed Mar. 6, 1924. Serial No. 697,406. 1 Claim. (Cl. 292—194.)

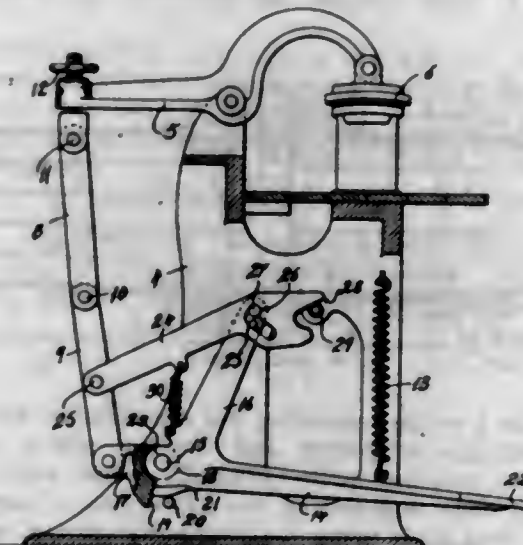
A ventilator comprising a frame; a weighted door pivotally mounted in said frame; a stop arm pivotally secured in said frame and having stop notches in its up-

per edge; a supporting arm pivotally secured to said door and having a bolt on its free end adapted to cooperate with said notches to hold the door in predetermined open positions; an operating arm secured to said door; and means for exerting a pulling force on said



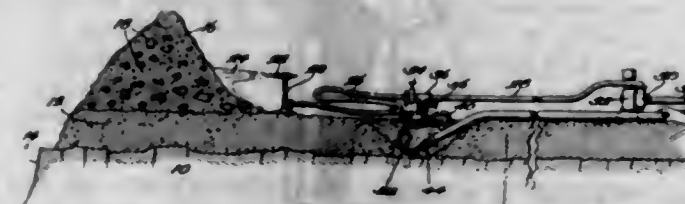
operating arm whereby said supporting arm will hold said door in any position corresponding to the notches in said stop arm and will be closed due to its weight subsequent to exerting a pulling force sufficient to pull the door open to its greatest extent.

1,518,527. PRESS TOGGLE. JAMES C. LEDBETTER, Brooklyn, N. Y., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 2, 1920. Serial No. 407,698. 12 Claims. (Cl. 68—9.)



3. An operating mechanism for presses of the type having co-operating pressing members movable one in relation to the other, a toggle connected with one of the pressing members and adapted to open the press when broken and close the press when straightened, a bell-crank for straightening the toggle and closing the press under moderate pressure, and a lever arm carried by the bell crank to move the straightened toggle to impose high pressure on the press.

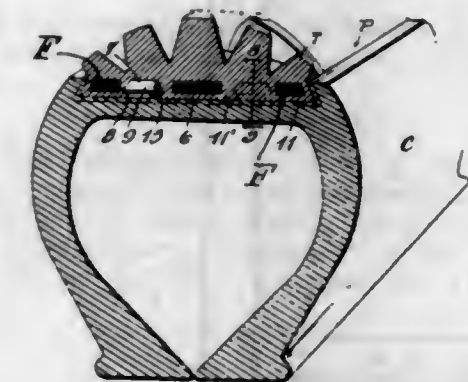
1,518,528. HYDRAULIC CONVEYER. HARRY T. LIBBY, Kankakee, Ill. Filed May 13, 1922. Serial No. 560,580. 4 Claims. (Cl. 37—62.)



1. In apparatus of the class described a unitary equipment including in combination, a force pump, a dirt washing nozzle driven by said pump and a screen

protected injector actuated waste material carrier pipe also operated from said pump, there being flexible connections between the pump and said nozzle and said carrier whereby said nozzle and said carrier may be moved a considerable distance away from each other.

1,518,529. TIRE. EMIL LINDERME, Cleveland Heights, Ohio. Filed Feb. 13, 1924. Serial No. 693,623. 2 Claims. (Cl. 152—17.)



2. A tire comprising a casing having a flat circumferentially channelled periphery, said channel being undercut, a set of circumferentially spaced lugs arranged upon the bottom of said channel and disposed in staggered relation, substantially truncated cone-shaped heads formed upon the lugs, a tread member having a flat inner face provided with recesses to snugly receive the heads, inwardly directed annular ribs arranged about the recesses to engage over the truncated heads and inter-lock casing and tread member.

1,518,530. ELECTRIC LAMP. CLARENCE LIPPER, Philadelphia, Pa. Filed Aug. 23, 1922. Serial No. 583,857. 1 Claim. (Cl. 240—8.5.)



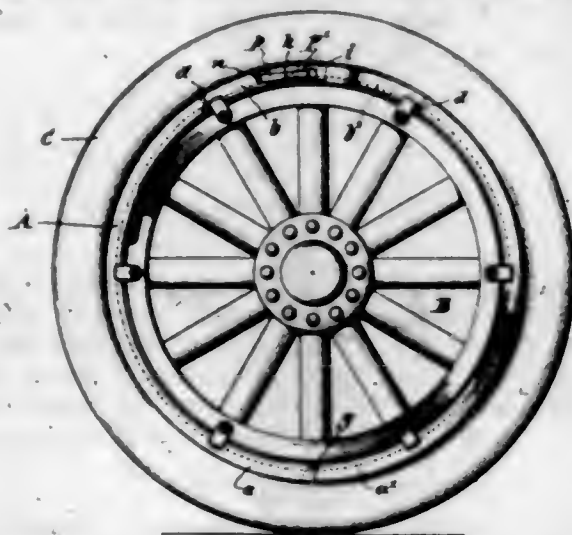
An electric lamp comprising a base, an electric battery therein, a tube rising from the base and having conductive connection with one terminal of said battery, a lamp bulb carried by the upper end of said tube, a contact plunger supported centrally within the tube and insulated therefrom, said contact plunger connected to the other terminal of the battery, said tube provided with slots, projections connected to said plunger and projecting through said slots, a hand grip about a portion of said tube and engaging said projections for moving the contact plunger into circuit closing engagement with the lamp.

1,518,531. NEEDLE HOLDER. BENJAMIN F. LUNG, San Francisco, Calif. Filed Aug. 23, 1922. Serial No. 583,895. 3 Claims. (Cl. 128-347.)



3. A device of the class described, comprising a resilient strip having one end bent laterally and then deflected outwardly, the lateral portion being apertured, and said strip including an apertured deflected portion near the opposite end, this end being further deflected beyond the apertured portion and constituting a finger member and tube clip.

1,518,532. DEMOUNTABLE-TIRE RIM. JOSEPH W. McCLANAHAN, Washington, D. C. Filed Aug. 4, 1921. Serial No. 489,729. 2 Claims. (Cl. 301-32.)

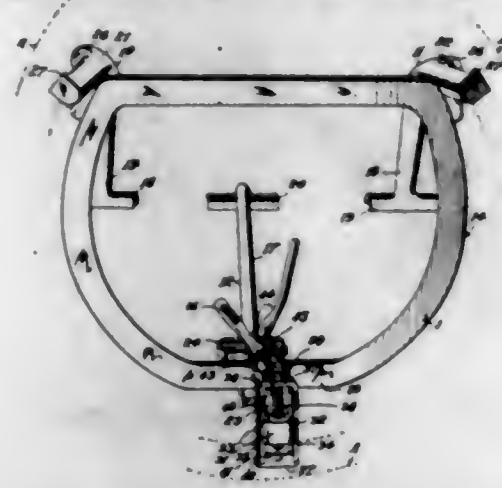


1. In a demountable tire rim, the combination of a plurality of pivotally connected rim sections, one of said connections having a sliding movement, with a toggle lock comprising a pair of links, one of said links pivotally connected with one rim section and the other detachably engaged with the pivot of the adjacent section, to be disengaged therefrom when unlocked, whereby the rim can be collapsed inwardly without separation and the rim locked in the expanded position.

1,518,533. TIRE CARRIER. FRANK B. MENGE and WILLIAM HAAB, New York, N. Y., assignors, by direct and mesne assignments, to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 5, 1921. Serial No. 435,140. 4 Claims. (Cl. 220-29.)

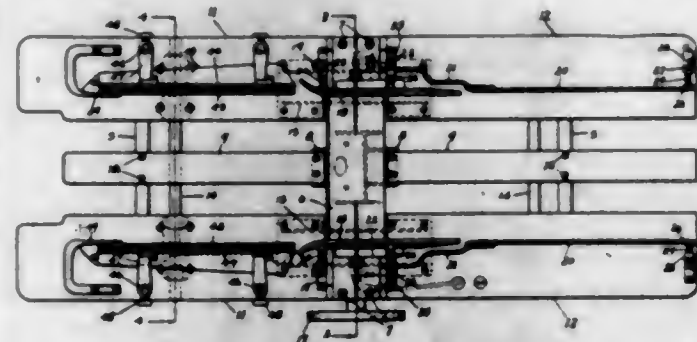
1. A tire carrier having a plurality of radially extending members adapted to engage with a tire rim, one of said members being radially movable and comprising a device having spaced arms, said carrier having a sup-

porting portion extending between said arms and slidably engaged thereby, the outer ends of said arms having secured thereto a foot-piece adapted to engage a tire rim, the inner ends of said arms being rigidly connected by



a transverse web, a screw extending through said web engaging said supporting portion of the carrier, the outer end of said screw being spaced inwardly from said shoe to permit radial movement of the same and means engaging the inner end of the screw for rotating the same.

1,518,534. SEALING MACHINE. HOWARD H. METCALF, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Filed Aug. 6, 1923. Serial No. 655,980. 16 Claims. (Cl. 93-2.)



16. In a sealing machine, the combination with a way, of yieldingly supported side heating plates, way side members provided with outwardly offset arms at their forward ends disposed at the outer side of said heating plates, said arms being longitudinally slotted, supporting bolts, springs arranged on said bolts for yieldingly supporting said arms, and means for yieldingly supporting the rear ends of said side members.

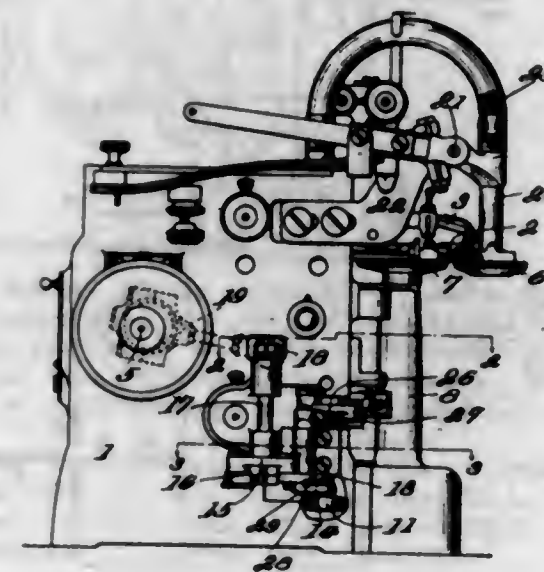
1,518,535. FLYTRAP. MICHAEL MITCHEKO, Stockton, Pa. Filed Aug. 16, 1922. Serial No. 582,194. 2 Claims. (Cl. 43-119.)



1. A device of the class described comprising a frame, a netting on each face thereof, a channel forming strip between the two nettings, pockets formed in one netting

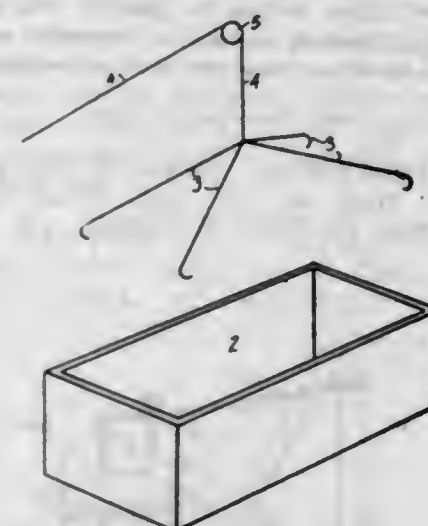
and extending into the channel forming strip, said pockets having openings at their inner ends, a trap located between the two nettings and having an opening therein for receiving the flies from the channel forming strip and an opening in the trap for permitting the flies to pass therefrom into the space between the nettings.

1,518,536. DIFFERENTIAL FEEDING MECHANISM FOR CUP FEED MACHINE. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 29, 1920. Serial No. 433,889. 9 Claims. (Cl. 112-18.)



1. A sewing machine including in combination, opposed feed wheels, means for imparting an intermittent rotation to said feed wheels, said means including devices whereby differential feeding movement may be imparted to the feed wheels.

1,518,537. PROCESS OF DRYING FRUIT. CHARLES C. MOORE, San Francisco, Calif. Filed Aug. 13, 1923. Serial No. 657,203. 5 Claims. (Cl. 146-219.)

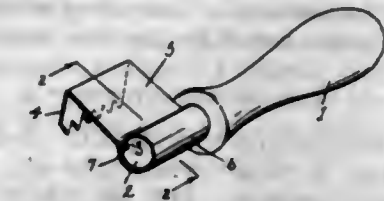


1. The process of making dried prunes which comprises placing the fresh prunes in a mesh-bottom tray, immersing the tray of prunes in an alkaline solution for the purpose of rendering the skin of the prune more pervious to its moisture, withdrawing the tray of prunes from the alkaline solution and subjecting the tray of prunes to a drying procedure for the purpose of making dried prunes.

1,518,538. FISH SCALER. MORTON L. MUNSON, Lansing, Mich. Filed June 28, 1924. Serial No. 722,951. 2 Claims. (Cl. 17-7.)

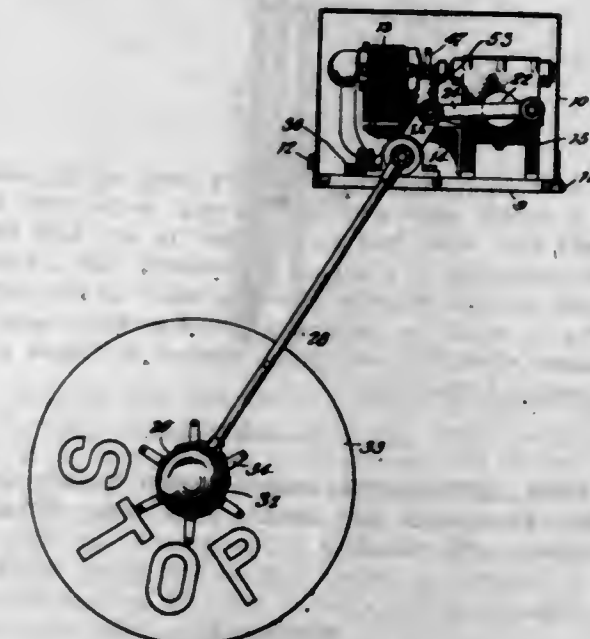
2. An implement of the class described comprising a handle having a cylindrical portion with a longitudinal

groove therein, and a blade having a shank portion terminating in a coil embracing said cylindrical portion of



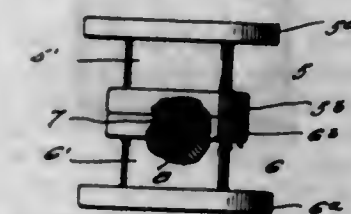
said handle under spring tension and having an intumed flange at its longitudinal edge engaged in said groove in said handle.

1,518,539. CROSSING SIGNAL. WILL C. NEAHR, Denver, Colo., assignor, by mesne assignments, to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Nov. 28, 1916. Serial No. 133,977. 14 Claims. (Cl. 177-337.)



6. In signal apparatus of the character set forth, the combination with a swinging signal member, of an electric motor, driving means between the motor and signal member for effecting an automatic continuous movement of the signal member in both directions by the motor, electrical means for continuously driving the motor in one direction, comprising two circuits that include said motor, means independent of the motor for controlling one of the circuits without affecting the other, and means operated by the motor for controlling the other circuit.

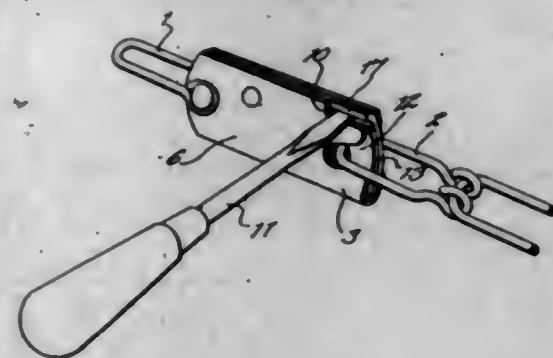
1,518,540. CUFF BUTTON. JOSEPH J. NELSON, Boston, Mass. Filed Apr. 16, 1924. Serial No. 706,910. 1 Claim. (Cl. 24-109.)



A button structure comprising a pair of members, the said members being of the same configuration and dimension, the members being provided at their inner ends with circular discs and at their outer ends with circular heads, the heads being of greater diameter than the discs, one disc being provided at its center with a cylindrical neck portion and a head mounted on the neck portion, said head being circular in side elevation and elliptical in transverse section, the other disc being pro-

vided at its center with an elliptical recess which communicates at its inner end with a globular socket, the longer axis of the said recess being equal to the diameter of the socket, the said socket and recess adapted to receive the head and neck carried by the first mentioned disc.

1,518,541. TIRE-CHAIN FASTENER. JOHN ENAR NELSON, Bucyrus, N. Dak. Filed May 28, 1924. Serial No. 716,469. 3 Claims. (Cl. 24-232.)



1. A chain fastener comprising a body having side walls and a closed edge and also having co-incident notches in said side walls and an aperture in one side wall for the introduction of a prying instrument, and a swingable member pivoted between the side walls of the body and having a notch to receive a chain-portion, said notch arranged when the swingable member is closed to close the notch of the body.

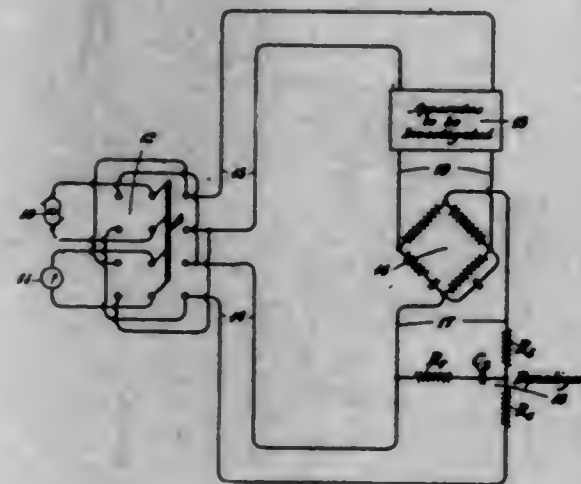
1,518,542. REFRIGERATOR. JOSEPH NEMEC, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,541. 2 Claims. (Cl. 62-53.)



2. A refrigerator comprising an outer casing, a vertically disposed perforated partition within the casing, the space between the partition and the adjacent wall of the casing constituting a water drain, a series of slats having portions bent toward the outer casing for preventing the entrance of water through the perforated partition, the space on the opposite side of said perforated partition constituting a food chamber, an upper ice chamber, an inclined double walled partition between said upper ice chamber and said food chamber, an air

passage extending upwardly from said food chamber and having communication with said ice chamber and with the space between the walls of said inclined partition, and means for conducting the water from the melting ice and condensed moisture between the walls of the inclined partition into the water drain.

1,518,543. ELECTRICAL MEASURING APPARATUS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,003. 14 Claims. (Cl. 175-183.)



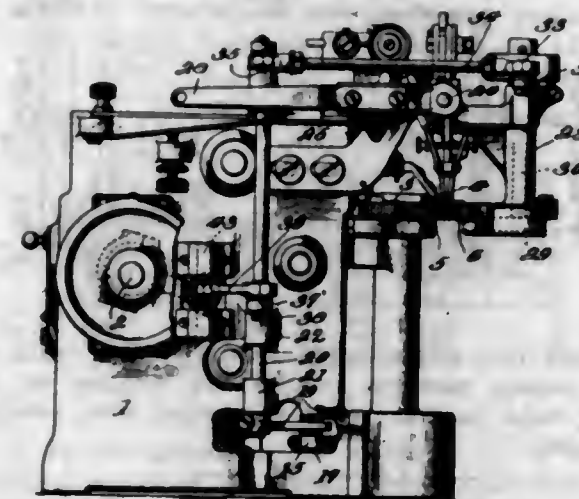
14. In a harmonic detecting circuit, the combination of a source of sinusoidal oscillations of a definite frequency, a detecting device, a circuit containing a network balanced for the fundamental frequency, apparatus capable of producing harmonics, a second network adapted to equalize the magnitudes of the harmonic frequencies transmitted through the said balanced network, and switching means to connect the said source and the said detecting device to opposite ends of the said circuit and to reverse the said connection.

1,518,544. PROPELLER. MOSES S. OKUN, Philadelphia, Pa. Filed Dec. 30, 1918. Serial No. 268,802. Renewed Mar. 18, 1924. 6 Claims. (Cl. 170-135.)



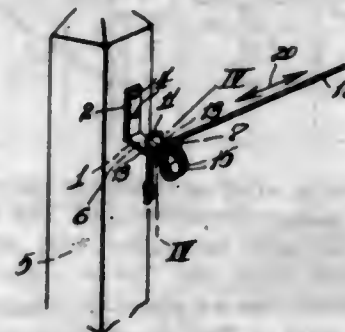
1. A propeller comprising a body mounted upon a shaft and adapted to rotate with the same, said body having means to set water or air into rotary motion, a funnel-shaped screen or shield into which the rotating water or air is discharged from the said means; said funnel-shaped screen or shield being located so as to have its narrow end turned in the direction of the motion of the vessel or vehicle.

1,518,545. FEEDING MECHANISM FOR CUP-FEED MACHINES. LANSING ONDERDONK and AUGUST J. WOHLFART, New York, N. Y., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1921. Serial No. 522,350. 15 Claims. (Cl. 112-18.)



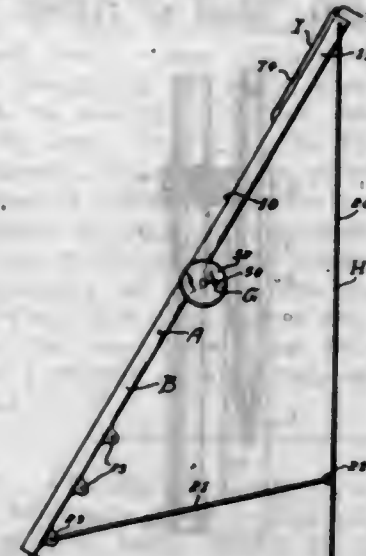
1. A sewing machine including in combination, feed wheels between which a fabric is clamped and fed to a stitching mechanism, means for independently rotating said feed wheels including devices whereby the feed strokes of said feed wheels may be independently varied.

1,518,546. CLOTHESLINE HOLDER. ALBERT G. OSTER, St. Louis, Mo., assignor of one-half to Mayme A. Oster, St. Louis, Mo. Filed Mar. 8, 1922. Serial No. 542,016. 6 Claims. (Cl. 24-131.)



1. A line fastener having an extending portion and a pair of spaced apart resilient portions leading from said extending portion arranged parallel and in straddling relation thereto, each of said resilient portions adapted to co-operate with a respective side edge of said extending portion.

1,518,547. TIME-COMPUTING DEVICE. MATTHEW C. OSTER, Roy, Mont. Filed June 5, 1922. Serial No. 565,853. 8 Claims. (Cl. 235-89.)



1. A time computing device comprising a face dial having vertical rows of numerals arranged thereon in consecutive order representing the days of the months,

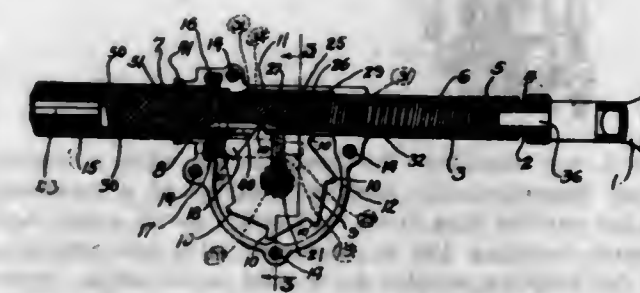
the face dial having slots therein disposed between the rows of numerals, a day dial having rows of numerals thereon movable in rear of the face dial in rear of said slots, the face dial having a transverse slot arranged to appear in rear of the mentioned slots, and a month dial having numerals disposed thereon arranged to appear in rear of the transverse slot, the month dial being movable in relation to the day dial.

1,518,548. FOUNTAIN PEN. GEORGE HOWARD OSTERHOUT, Jr., Beaufort, S. C. Filed Nov. 24, 1923. Serial No. 676,875. 5 Claims. (Cl. 120-47.)



1. A fountain pen comprising a barrel, a hollow spiral shaft therein communicating with the inner portion of the barrel, a base member at the outer end of the barrel, a plug in the base member having a fluid duct and a socket provided with an internal chamber communicating with the atmosphere, a hollow trunnion on said spiral shaft journaled in said socket, a plunger in the barrel reciprocated by said spiral shaft and means for rotating said spiral shaft.

1,518,549. SPRING HAMMER. ARTHUR T. PRESCOTT, East Orange, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed July 30, 1920. Serial No. 400,035. 7 Claims. (Cl. 255-42.)

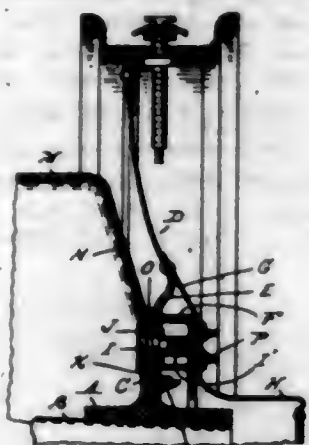


1. A spring hammer comprising a breast plate, a bit holding device, spring actuated mechanism for imparting blows to a bit, said mechanism including a spring and spring compressing and releasing means, and resilient means intermediate the breast plate and bit for transmitting to the bit pressure on the breast plate.

1,518,550. SELF-CONTAINED DEMOUNTABLE WHEEL AND HUB CAP. ALDEN L. PUTNAM, Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del., a Corporation of Delaware. Filed July 14, 1919. Serial No. 310,774. 4 Claims. (Cl. 301-9.)

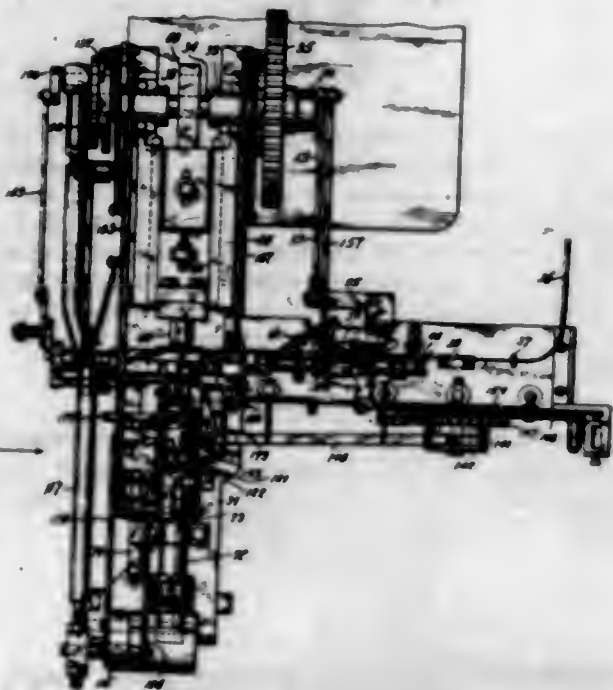
1. The combination with a wheel hub having a radially outwardly-extending flange, of a demountable wheel body for engaging said hub, an annular clamping mem-

ber for said body, a hub cap enclosing said annular clamping member and permanently secured to said body, and means for securing said clamping member to said



flange permanently carried by the demountable unit, and bushings engaging said flange engageable by said securing means.

1,518,551. TAG MACHINE. THOMAS ALLATT, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 18, 1923. Serial No. 613,443. 4 Claims. (Cl. 93-91.)

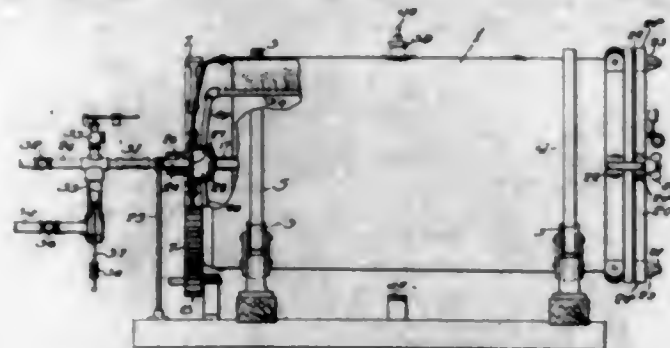


1. In a tag machine, the combination with a mechanism for intermittently feeding a strip, of a punching device for cutting tags from said strip, metal strip feeding means, co-acting dies in alignment with said punching device for forming staples from said metal strip, string feeding means feeding a string between said punching device and said staple forming dies, a mechanism carried by said staple forming means for severing the staples from said metal strip and driving the same through the tags so as to attach the string thereto, and means for severing the string adjacent its point of attachment to a tag.

1,518,552. APPARATUS FOR TREATING FOODS. ALBERT BABENDREER, Ocean Springs, Miss., assignor to Whole Grain Wheat Company, Phoenix, Ariz., a Corporation of Arizona. Filed Sept. 17, 1917. Serial No. 191,791. Renewed Mar. 1, 1923. 7 Claims. (Cl. 120-272.)

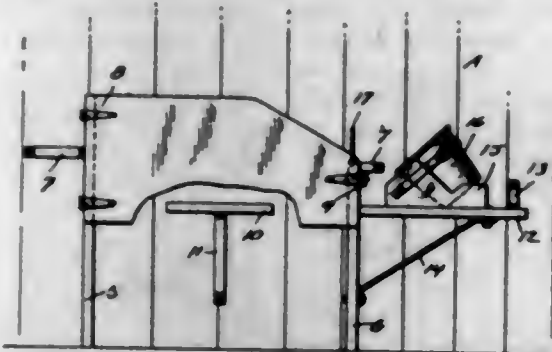
1. An apparatus for treating foods, comprising an outside horizontal tank, mechanism for rotating said tank, means for heating said tank, and a plurality

of receptacle-holders movably mounted in said tank, said tank having a free open space at the center thereof and provided with a vertical door extending across the end thereof through which the receptacle holders



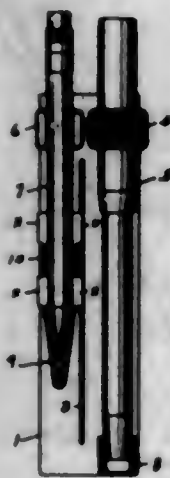
are inserted into and removed from the tank, said receptacle holders movable axially with relation to the tank but fixed against relative rotation with relation to said tank.

1,518,553. ANIMAL-FEEDING DEVICE. DAVID M. BAIRD, Belle Fourche, S. Dak. Filed Aug. 13, 1924. Serial No. 732,199. 1 Claim. (Cl. 119-51.)



An animal feeding stall comprising spaced end walls, one of which is taller vertically than the other, a door hingedly connected with the taller wall and having its lower edge spaced from the lower edge of the said taller wall, the free edge of the door adapted to engage the shorter end wall, a flexible element carried by the door and adapted to be disposed above the upper end of the shorter wall, a fixed wall bridging the space between the end walls, a platform carried by the fixed wall and located between the end walls and above the lower edge of the door, and a board carried by the shorter end wall and having means for supporting a vessel in an inclined position.

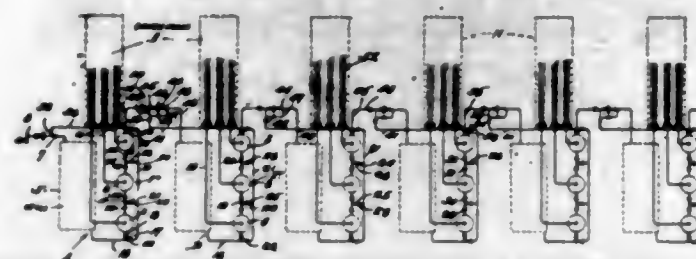
1,518,554. HOLDER. JOHN L. BRING, Shisbee, Tex. Filed May 27, 1924. Serial No. 716,280. 2 Claims. (Cl. 24-11.)



1. A holder composed of a flat body having a lengthwise slot, an expansible grip member carried by one end thereof, a bracket formed with side cleats, some

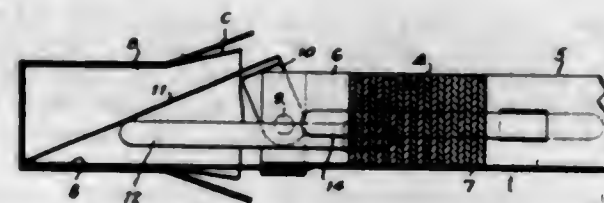
of said cleats fitting through said slot and engaging with said body and the other side cleats engaging over the edge of the body and a pocket forming a point protector carried by said bracket.

1,518,555. CRACKING APPARATUS. ELMER C. BLASDELL, Kansas City, Mo. Filed May 20, 1924. Serial No. 714,036. 2 Claims. (Cl. 196-139.)



1. In an apparatus for cracking oil, a plurality of towers connected in series, valved connections between said towers whereby one or more of said towers may be cut out of the system, a chamber in the lower portion of each tower, a baffle suspended in said chamber, a pipe leading from the upper portion of each chamber and located above the lower end of the baffle for conducting fluid to the succeeding tower, means for externally cooling said towers whereby certain fractions may be condensed, and means in top of each tower for withdrawing the uncondensed vapors.

1,518,556. DEVICE FOR PACKING ARTICLES. JACOB HEINRICH LUDWIG BOETTCHER, Orange, N. J. Filed June 4, 1923. Serial No. 643,353. 1 Claim. (Cl. 226-14.)

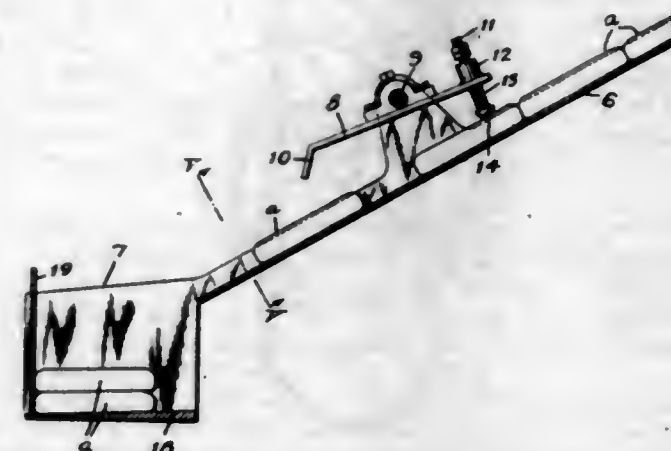


In a device of the character described, the combination of a channel-shaped trough or holder for the articles, spring means on each side of said trough or holder adapted to press against and hold erect the articles between said spring means, a fixed extension secured to the lower part of the trough or holder, said fixed extension being less in width than the inside of the trough or holder, a pair of movable upper extension members pivoted on the side wall of the trough or holder at a point approximately midway between the upper and lower edges of said wall, each of said members comprising an angle piece to the short leg of which is secured a flexible extension of approximately the same length as the aforementioned lower fixed extension, the said upper extension members being spaced apart a sufficient distance to permit the passage therebetween of a pushing implement for moving the articles out of the trough or holder into a receptacle, and a plurality of intermediate spring extensions secured at their inner ends to the side walls of the trough or holder and extending beyond the end of said trough or holder a shorter distance than said upper and lower extensions.

1,518,557. APPARATUS FOR STACKING ARTICLES. JACOB HEINRICH LUDWIG BOETTCHER, Orange, N. J. Filed June 4, 1923. Serial No. 643,354. 3 Claims. (Cl. 226-14.)

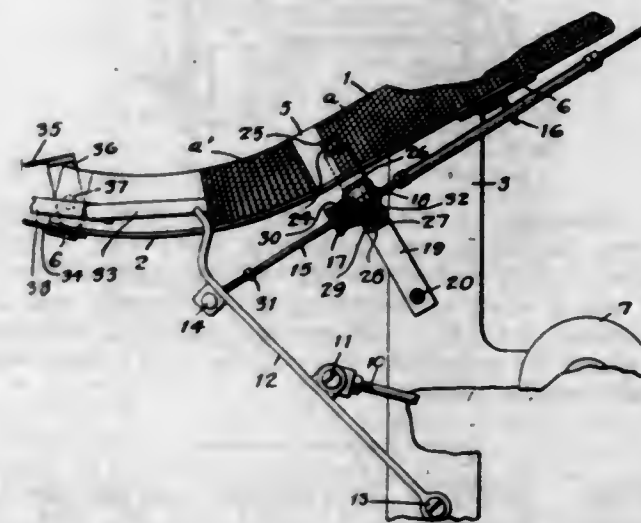
1. An apparatus of the character described comprising, a support for the articles in their stacked position, a

chute so spaced above said support as to permit the assembly of a vertical stack of articles upon the said



support, and means for feeding one article at a time from the chute to the support upon which the articles assemble in superposed relation.

1,518,558. MACHINE FOR PACKING ARTICLES. JACOB HEINRICH LUDWIG BOETTCHER, Orange, N. J. Filed June 4, 1923. Serial No. 643,355. 3 Claims. (Cl. 225-2.)

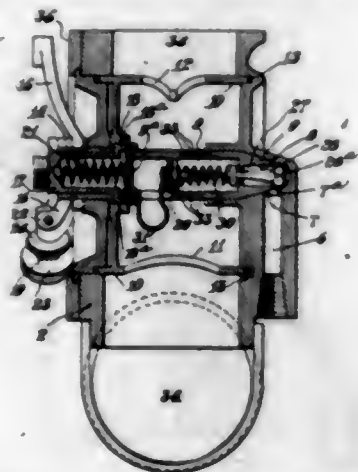


1. A machine of the character described comprising, a guideway for feeding a column of the articles, a movable stop for restraining the feeding movement of the articles, means for intermittently moving the stop out of engagement with the articles in order to permit the passage of a predetermined number thereof, and a pair of jaws for restraining the feeding movement of the articles after the passage of the said predetermined number, said jaws comprising elements located on opposite sides of and extending into the said guideway.

1,518,559. CARBURETOR. GEORGE G. BROWN, JR., Ann Arbor, Mich. Filed May 28, 1921. Serial No. 473,249. 2 Claims. (Cl. 261-39.)

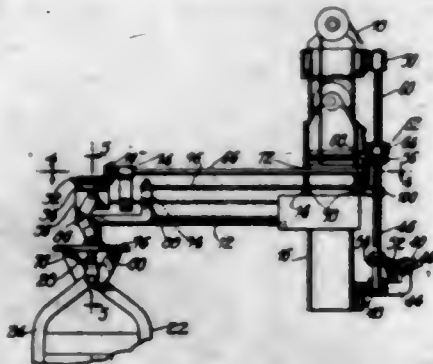
2. In a carburetor, a casing having a fuel inlet, a main controlling valve in the fuel inlet for controlling the quantity of fuel admitted to the casing, an additional valve in said fuel inlet which is movable in a direction to partially restrict the fuel passage when suction is created in the casing, a spring device opposing the pas-

sage restricting movement of the additional valve, and normally holding the latter in a position in which it offers the least restriction to the flow of fuel through



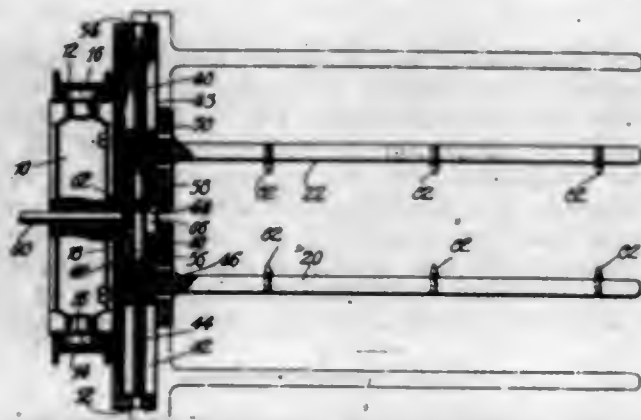
the fuel inlet, and a thermally-responsive device for varying the stress in the spring in accordance with variations in temperature.

1,518,560. LOADING APPARATUS. ALEXANDER W. CARROLL, Elizabeth, N. J. Filed May 31, 1923. Serial No. 642,551. 13 Claims. (Cl. 214-65.)



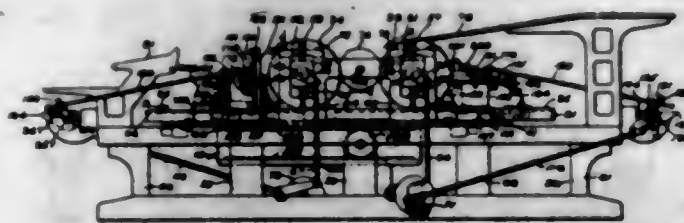
1. Apparatus of the type described which comprises, a truck having a ram projecting therefrom, a saddle member resting and supported on the upper surface of said ram, a shaft extending vertically through said saddle member and ram, a load carrying means on said shaft, and means for supporting and rotating said vertical shaft on said saddle member.

1,518,561. LIFTING PLATFORM. ALEXANDER W. CARROLL, Elizabeth, N. J. Filed May 31, 1923. Serial No. 642,552. 7 Claims. (Cl. 214-65.5.)



1. Apparatus of the type described which comprises, a vertically guided cross head, a horizontal guide bar secured to the front face of said cross head, a pair of forwardly extending parallel arms slidably mounted on said guide bar to spaced parallel positions and means mounted in fixed aligned position on both said cross head and guide bar for simultaneously moving said arms to or from each other on said guide bar.

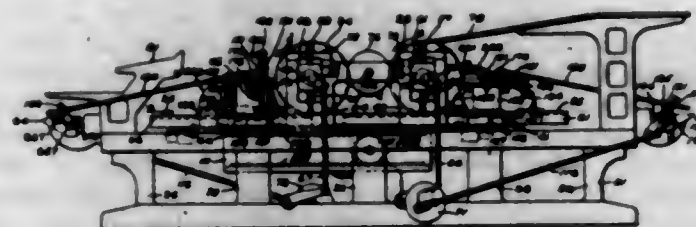
1,518,562. METHOD OF CORRECTING PRINTING PRESSES. LESLIE W. CLAYBOURN, Menasha, Wis. Filed Feb. 6, 1922. Serial No. 534,348. 15 Claims. (Cl. 29-148.)



1. The method of correcting printing couples, which consists in reducing the denuded supporting surface of a member thereof while being operated in substantial printing relation to its mating member.

15. The method of correcting a printing press comprising a printing couple including a rotatable cylinder and a reciprocating bed and each of the members of which is provided with bearers, which consists in operating said printing press so as to cause substantial usual printing movements of said printing couple, reducing the denuded tympan-supporting surface of said cylinder to cylindrical form parallel with the axis of rotation of said cylinder and reducing the type-supporting surface of said reciprocating bed into a plane surface parallel with said axis of rotation by coaction of a dressing tool with said respective surfaces during said rotation and reciprocation respectively, and correcting said bearers to correspond to said reductions of said respective surfaces.

1,518,563. APPARATUS FOR CORRECTING PRINTING PRESSES. LESLIE W. CLAYBOURN, Milwaukee, Wis. Original application filed Feb. 6, 1922, Serial No. 534,348. Divided and this application filed Dec. 17, 1923. Serial No. 681,237. 20 Claims. (Cl. 20-33.)

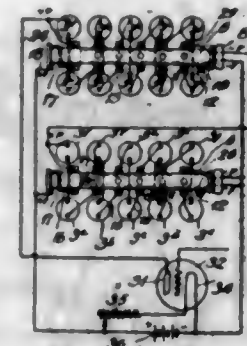


1. In apparatus for correcting a printing press, the combination of a member of a printing couple, means for mounting said member of said printing couple in substantial printing relation, means for operating said member of said printing couple, a dressing tool, and guiding and feeding means for feeding said dressing tool across the supporting surface of said member of said printing couple.

1,518,564. RADIO TELEPHONE AND TELEGRAPH APPARATUS. THEODORE S. COLE, New Haven, Conn. Filed Oct. 27, 1922. Serial No. 597,335. 8 Claims. (Cl. 250-20.)

1. In a vacuum tube rectifying or amplifying system, a vacuum tube having a filament and a plate, a storage battery connected to the filament to heat the same, a plate circuit, a storage battery in said plate circuit for supplying energy thereto, a switch device, and connec-

tions from the switch device to both batteries whereby the cells of the plate circuit battery can be connected alternately either in a high voltage relation with one



another in the plate circuit to furnish energy thereto or in a low voltage charging relation to the filament battery to be charged therefrom.

1,518,565. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 18, 1917. Serial No. 192,028. 3 Claims. (Cl. 71-9.)

3. A fertilizer containing as one of its elements hydrated silica more soluble than silicates occurring in soils as minerals or permutites.

1,518,566. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 28, 1918. Serial No. 268,674. 19 Claims. (Cl. 71-9.)

10. Fertilizer materials comprising artificial calcium silicate wherein the ratio of calcium oxide to silica varies between two and one-half to one and seven-tenths to one.

1,518,567. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Original application filed Dec. 28, 1918, Serial No. 268,674. Divided and this application filed May 6, 1919, Serial No. 295,083. Renewed June 24, 1924. 1 Claim. (Cl. 71-9.)

A fertilizer composed of artificially prepared calcium silicate, the molecular ratio of calcium oxide to silica being less than one of calcium oxide to one of silica.

1,518,568. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Original application filed Dec. 21, 1918, Serial No. 267,809. Divided and this application filed May 6, 1919, Serial No. 295,084. Renewed June 24, 1924. 2 Claims. (Cl. 71-9.)

2. An improved fertilizer produced by adding to ordinary fertilizers di-calcium silicate.

1,518,569. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Original application filed Dec. 21, 1918, Serial No. 267,809. Divided and this application filed May 6, 1919, Serial No. 295,085. Renewed June 24, 1924. 2 Claims. (Cl. 71-9.)

1. The process of fertilizing soils, which comprises applying to the soil artificially prepared di-calcium silicate.

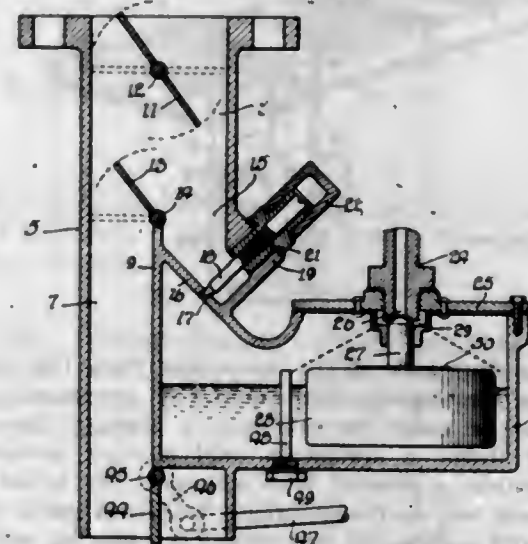
1,518,570. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Original application filed Dec. 21, 1918, Serial No. 267,809. Divided and this application filed May 6, 1919, Serial No. 295,086. Renewed June 24, 1924. 5 Claims. (Cl. 71-9.)

1. A fertilizer for supplying lime and hydrated silica, the latter containing more than fifteen per cent of water of hydration, composed of di-calcium silicate containing alkali metal oxide and alumina.

1,518,571. FERTILIZER. ALFRED H. COWLES, Sewaren, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio, a Corporation of Ohio. Original application filed Dec. 28, 1918, Serial No. 268,674. Divided and this application filed July 12, 1923. Serial No. 651,176. 13 Claims. (Cl. 71-9.)

1. A fertilizer composed of artificially prepared calcium silicate other than mono-calcium silicate wherein the ratio of calcium oxide to silica varies between a little less than the ratio required to form di-calcium silicate and a little less than the one to one ratio to form mono-calcium silicate.

1,518,572. VAPORIZER AND CARBURETOR. HERMAN V. CROON, Chicago, Ill. Filed Jan. 21, 1922. Serial No. 530,761. 3 Claims. (Cl. 48-102.)

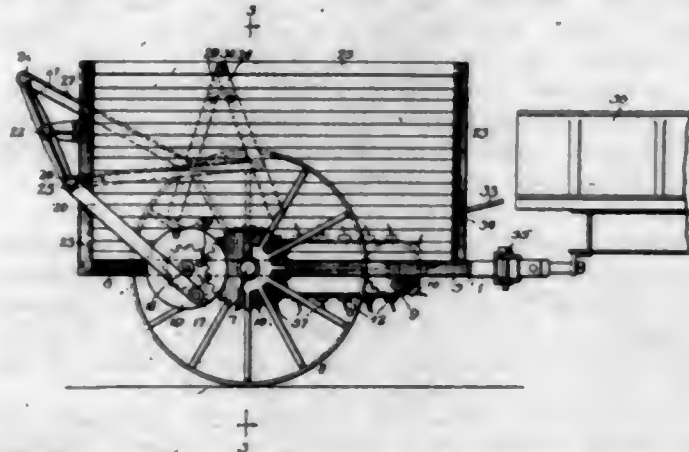


1. In a vaporizer and carburetor for internal combustion engines, a carbureting chamber having an air inlet and a mixture outlet adapted to be connected to the intake of an internal combustion engine whereby said carbureting chamber is under suction when the engine is operating, a vaporizing chamber having liquid fuel inlet means and vapor outlet means; said vaporizing chamber being otherwise closed and said vapor outlet means being in open communication with said carbureting chamber to effect suction in said vaporizing chamber by the suction created in said carbureting chamber, said vaporizing chamber having non-absorbent walls defining a body of liquid except for its level, a float in said vaporizing chamber, and a valve operated by said float and controlling said inlet means, whereby the liquid fuel in said vaporizing chamber is prevented from rising at any point above the level determined by said float and valve.

1,518,573. STRAW SPREADER. MARTIN P. DOUGHERTY, Clinton, Ill. Filed May 5, 1922. Serial No. 558,820½. 16 Claims. (Cl. 275-5.)

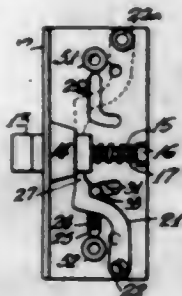
1. A straw spreader comprising oscillating actuating means disposed in position to oscillate alternately in opposite directions by reversal of rotation about a transverse axis, vehicle wheels, rotary mechanism operated by said wheels, means to convert the rotary motion of said mechanism into oscillatory motion on the part of said actuating means, adapted to determine the degree of partial rotation each time before reversal thereof, swinging kickers, reciprocating means to convert the oscillatory

motion of said actuating means into swinging motion on the part of the kickers, serving by the degree of said oscillating motion to govern the length of the stroke of said kickers, and means to feed the straw below said



kickers, said oscillatory means comprising arms connected together at their upper and lower ends by transverse members, each arm being pivotally supported between its ends, and said reciprocating means being connected to said transverse members.

1,518,574. DOORLOCK. HARRY W. DYER, New York, N. Y. Filed May 14, 1923. Serial No. 638,724. 4 Claims. (Cl. 70-46.)



1. In a door lock of the class described, the combination of a rectangular bolt having a rectangular recess in the side, a guide for said bolt, a plunger upon which said bolt slides, a spring on said plunger moving said bolt outwards, a pivoted lever engaging the recess in the side of said bolt and cooperating with said guide to limit its outward movement, and means for moving said lever to release said bolt.

1,518,575. FOCUSING HAND SEARCHLIGHT. RICHARD MAX EATON, Niagara Falls, N. Y. Filed Dec. 24, 1921. Serial No. 524,600. 5 Claims. (Cl. 240-8.5.)



5. In a focusing flashlight, the combination with a casing, a cover removably engaged with the casing, an elastic means carried by the cover for resiliently holding

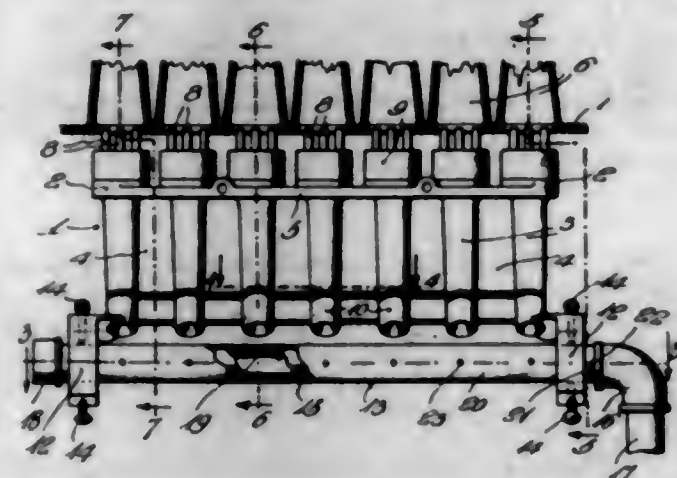
and securing an extra bulb therein, and a spiral cone shaped spring having a base of larger diameter than the length of the bulb and means for positioning the base of the spring with relation to the cover so that the axis of the spring is in substantial alignment with the bulb securing means.

1,518,576. RAG PUPPET. EMILY EDWARDS, San Antonio, Tex. Filed June 13, 1923. Serial No. 645,191. 6 Claims. (Cl. 46-40.)



1. A puppet of the class described comprising a one-piece rectangular cloth with a tab at one side and the characters of a face stamped or embroidered thereon, two sides and the bottom of said cloth folded over, each of the lower corners gathered to form legs, a lacing to bind said legs, the ends of said lacing on each side stitched through the fabric in the form of a circle at the arm locations, a neck band for said puppet and the ends of said lacing engaging said neck band.

1,518,577. GAS HEATER. STEPHEN P. ENRIGHT, Pittsburgh, Pa. Filed Sept. 7, 1922. Serial No. 586,747. 5 Claims. (Cl. 158-104.)

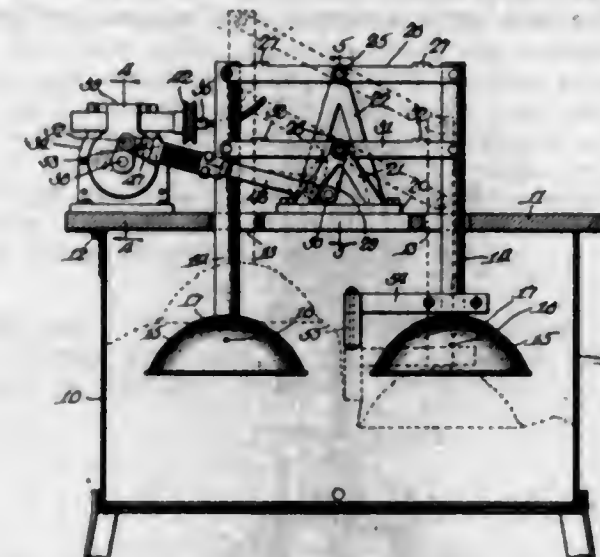


5. A structure as specified in claim 3; said tubes having respectively a series of notches and a detent engaging them to hold the valve tube in any set position.

1,518,578. WASHING MACHINE. ARCHIE W. FARRELL, Chicago, Ill. Filed Dec. 19, 1922. Serial No. 607,816. 3 Claims. (Cl. 68-19.)

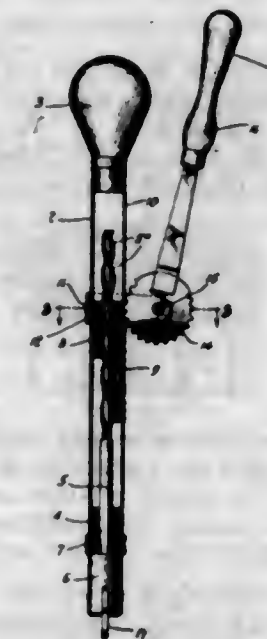
1. In a washing machine, the combination with a container for water and fabrics, of a cover therefor, a frame including a pair of uprights extended through said cover into the container and mounted on the cover for

oscillatory movement in a vertical plane, a plunger on each of said uprights, an arm extended from the lower portion of one of said uprights towards the other and



having a depending projection at its free end, and means for oscillating said frame thereby causing alternate vertical movement of the plungers.

1,518,579. VALVE-GRINDING TOOL. OSCAR D. HAPGOOD, Montague, Mass., assignor to Goodell-Pratt Company, Greenfield, Mass. Filed Aug. 25, 1922. Serial No. 584,221. 2 Claims. (Cl. 51-29.)

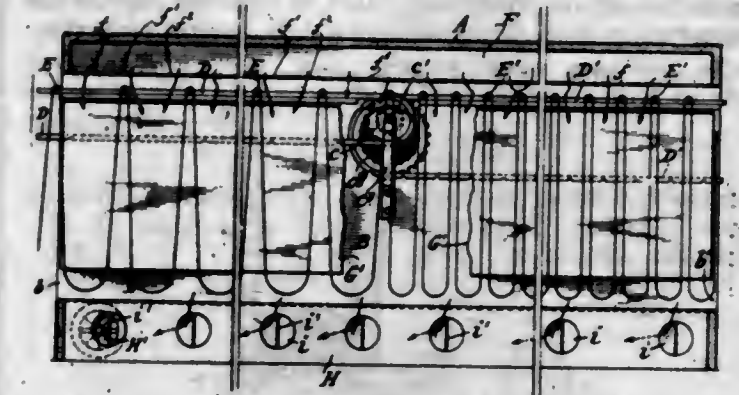


1. A tool of the class described comprising a housing, a spiral shaft supported for rotation in said housing and adapted to oscillate over a plurality of arcs of predetermined magnitude, a reciprocable member within the housing engaging said shaft and adapted to rotate same in both its up-and-down movements, a rack carried by said reciprocable member extended outside the housing, a gear adapted to be rocked over a series of given arcs supported exteriorly of said housing in mesh with said rack, and means for so rocking said gear.

1,518,580. WEB DRIER. GORDON D. HARRIS, Islip, N. Y., assignor to Industrial Dryer Corporation, Newark, N. J., a Corporation of New Jersey. Filed Feb. 27, 1922. Serial No. 539,668. 57 Claims. (Cl. 34-20.)

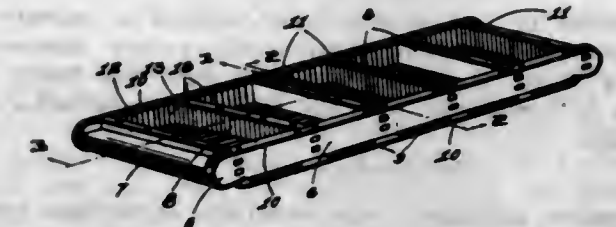
2. Drying apparatus embodying a housing provided with a chamber open at the ends for the ingress and egress of web material, carrying means for transporting festoons of material in open order within a definite

length of the chamber and in closer order within another definite length of the chamber, said festoons of material being suspended for partially closing the ingress to and



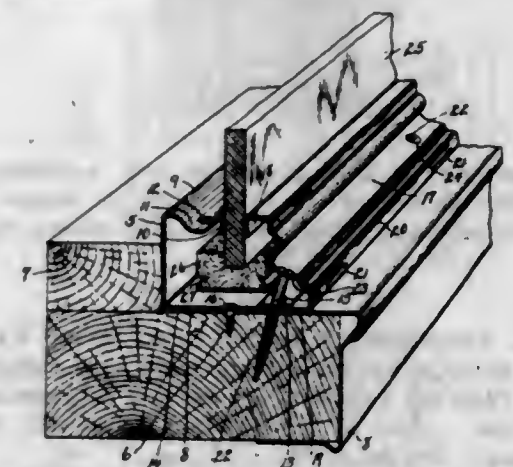
the egress from said chamber, and means for circulating a drying atmosphere within the chamber and downwardly upon the festoons of material suspended therein.

1,518,581. MOLD. ALFRED W. E. HELLYER, Ottawa, Ontario, Canada. Filed Oct. 18, 1922. Serial No. 595,371. 16 Claims. (Cl. 25-110.)



1. A non-separable brick mold of the character described including a wall having groove forming members mounted thereon.

1,518,582. STORE-FRONT CONSTRUCTION. FRED HIMMEL and ISIDORE HIMMEL, New Haven, Conn. Filed June 20, 1924. Serial No. 721,195. 2 Claims. (Cl. 20-56.4.)

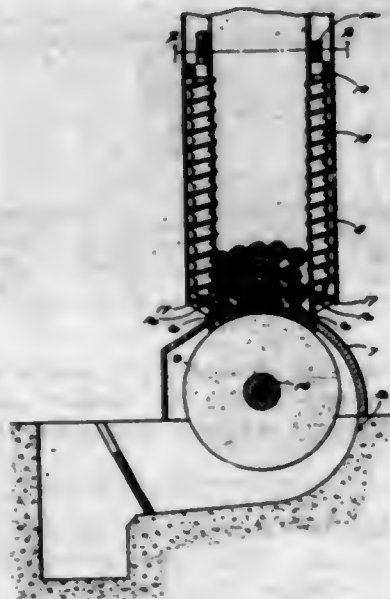


1. A store-front construction, comprising an inner sash-holding bar and an outer sash-holding bar, both formed with intumed edges between which a sheet of glass is mounted, the edge of the base of one member offset to extend over the surface of the base of the other member, and screws passing through the outer bar and through the overlapping bases of both bars.

1,518,583. CONTINUOUS-SCREW-FEED MAGAZINE. MORRIS HERBERT JONES, Port Arthur, Ontario, Canada, assignor to Port Arthur Shipbuilding Co. Ltd., Port Arthur, Ontario, Canada. Filed July 30, 1923. Serial No. 654,678. 1 Claim. (Cl. 83-75.)

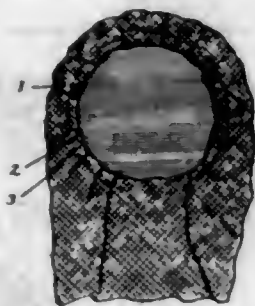
A continuous feed screw structure for paper pulp machinery including a magazine having pockets arranged in series in opposite sides thereof and extending vertically

with the inner sides of the pockets opening into said magazine; feed screws arranged in series in said pockets with their screw portions extending into the magazine for operation on the uppermost faces of the side logs in the magazine to force the logs downwardly in said magazine;



said series of feed screws being adapted to operate in synchronism to assure continuously proper downward feeding of the logs; with the lowermost logs firmly retained in engagement with the grinding means below the magazine.

1,518,584. METHOD OF SEWING SLEEVES INTO GARMENTS. ELY KASRALOWICZ, Poughkeepsie, N. Y. Filed Mar. 22, 1924. Serial No. 701,083. 4 Claims. (Cl. 2-93.)



1. A method of sewing sleeves into garments, comprising, first gathering the fullness of the sleeve with a rubber thread, and then sewing said sleeve into the garment.

1,518,585. PROCESS OF PRODUCING DYED FABRICS. ELIAS KIRSCHENBAUM, Philadelphia, Pa., assignor to Eltsac Coloring Process Corporation, a Corporation of New York. Filed Oct. 8, 1923. Serial No. 667,413. 4 Claims. (Cl. 8-5.)

1. The herein described process of producing dyed fabrics which consists in manufacturing a fabric partly from undyed material and partly from material carrying an excess of dye and of then subjecting the entire fabric to a wetting agent.

1,518,586. TRIP VALVE. PAUL W. KNAUF, Cynwyd, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 17, 1922. Serial No. 582,394. 6 Claims. (Cl. 137-139.)

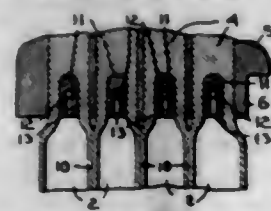
1. In a trip valve structure, the combination of a valve casing, a valve therein, a two-part valve actuating rod which parts are connected together, one of which is nonrotatable and extends into the said valve casing and is connected to the said valve and the other of which parts is rotatable, a casing situated a distance from said

valve casing and through which the rotatable part of said valve actuating rod extends, tripping means situated exteriorly of and between the said valve casing and the second named casing which is adapted to hold the said valve and valve actuating rod in open position,



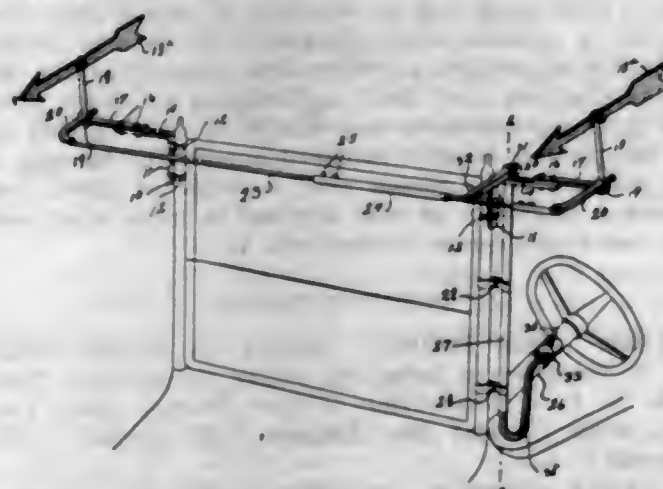
means for releasing said tripping means, and means situated intermediate said second named casing and the said valve actuating rod for effective movement thereof to close the said valve upon release of the said tripping means.

1,518,587. METHOD OF MAKING CANDY. PHILIP B. LASKY, Marblehead, Mass., assignor to The Chocolate Sponge Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 1, 1922. Serial No. 579,002. Renewed Nov. 8, 1923. 5 Claims. (Cl. 107-54.)



4. The process of making porous candy which consists in extruding through a die a plurality of separate streams of candy material in spaced relation and expanding the streams transversely after they have been delivered from the die to bring them into contact with each other.

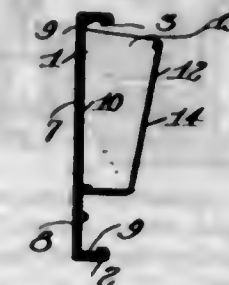
1,518,588. VEHICLE SIGNAL. CHESTER LUCAS, Clarkdale, Ariz. Filed Apr. 1, 1924. Serial No. 703,433. 2 Claims. (Cl. 116-46.)



2. In a vehicle signal, an arm secured to each side of the vehicle and extending outwardly therefrom, an extension arm adjustable longitudinally of each of said

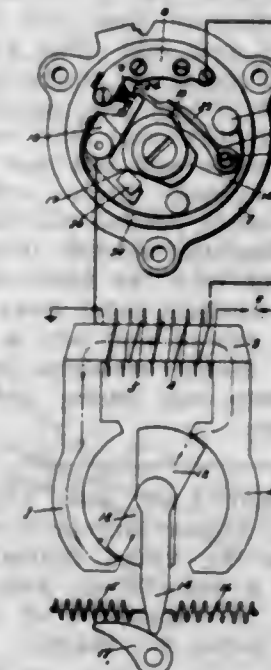
arms, each of said extension arms being formed with a vertical pivot opening in its outer end, a shaft mounted in each of said openings, a signal secured to the shaft for rotation therewith, an operating arm secured to each shaft at one side of the extension arm, a collar secured to the shaft at the opposite side of the extension arm, the arms of said shaft having their terminal portions directed toward one another, a steel rod connected to one of said arms, a tube connected to the other of said arms and into which said rod extends, means extending through the tube for adjustably engaging said rod to clamp the same in adjusted positions within the tube, and means for shifting one of said arms.

1,518,589. WINDOW VENTILATOR. JAMES D. McAVINNEY, Rochester, N. Y. Filed Apr. 25, 1922. Serial No. 556,438. 1 Claim. (Cl. 98-31.)



A window ventilator comprising a main ventilating member formed from sheet metal with flanges bent at right angles thereto from the top and bottom edges thereof on the inner side, said flanges having flanges overlapping them on the opposed sides of said first mentioned flanges, and extension members having bent therefrom flanges at right angles thereto on the top and bottom edges thereof on their inner sides, said last named flanges being received between the first mentioned flanges of the ventilating member and the overlapping flanges, and a second ventilating member having bent therefrom flanges at right angles thereto along its top and bottom edges on the inner side thereof and also operating between the first mentioned flanges of the ventilating member and the overlapping flanges in line with the extensions, said second named ventilator carrying a deflector movable therewith.

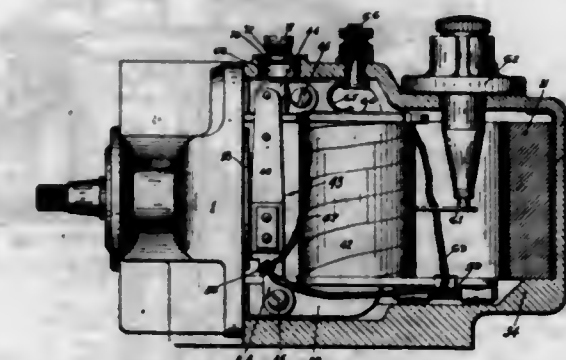
1,518,590. CIRCUIT BREAKER FOR IGNITION MAGNETS. SAMUEL C. McKEOWN, Newark, N. J., assignor to Splittorf Electrical Company, Newark, N. J. Filed Nov. 9, 1920. Serial No. 422,787. 9 Claims. (Cl. 200-30.)



2. In a circuit breaker for an ignition current generator of the oscillating type, a stationary contact and a movable contact yieldingly held in engagement with the sta-

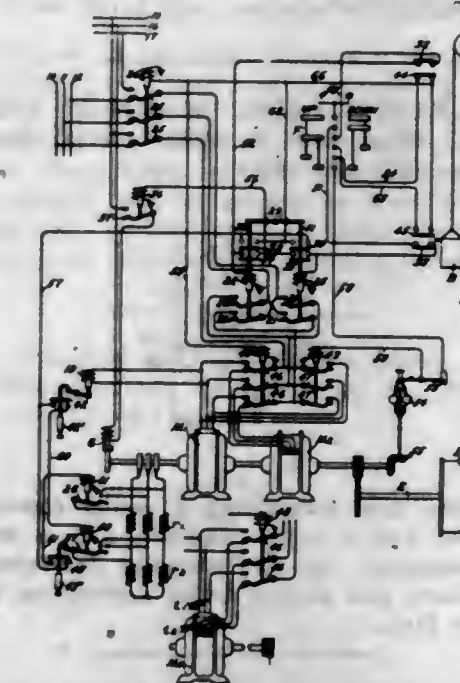
tionary contact, a pivoted member on which the movable contact is mounted, a member rigidly connected with the oscillatory element operable upon movement thereof in one direction to open said contacts, a catch operable to latch said movable member and maintain said contacts open, said member being provided with means to trip said catch upon movement thereof in the opposite direction.

1,518,591. MAGNETO. SAMUEL C. McKEOWN, Newark, N. J., assignor to Splittorf Electrical Company, Newark, N. J. Filed Jan. 17, 1921. Serial No. 437,790. 4 Claims. (Cl. 171-209.)



1. In a magneto, a non-magnetic base block, said block having magnet and coil core engaging pole pieces secured therein so that the magnet and coil core engaging faces of said pole pieces terminate in a common plane, and end plate for said base block, an elongated rotor bearing in said end plate projecting within the block, and a rotor encompassing the bearing having a shaft supported wholly by said bearing.

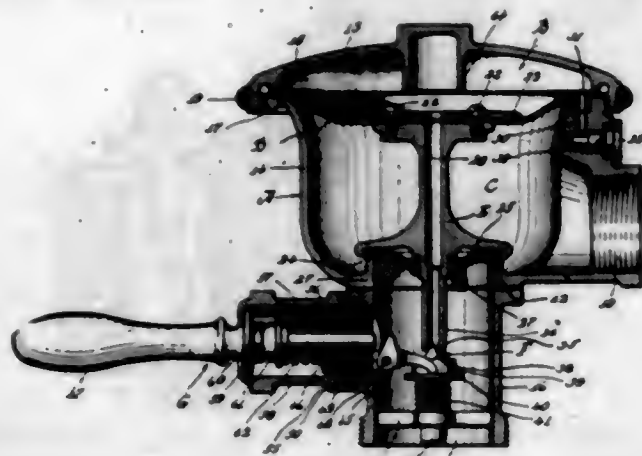
1,518,592. CONTROL OF INDUCTION MOTORS. ROBERT H. McLAIN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 12, 1921. Serial No. 436,758. 5 Claims. (Cl. 172-274.)



1. A control system for electric motors comprising a plurality of sources of electrical supply each having a different frequency, a plurality of induction motor field windings associated with a common driven load each having a different number of poles, and switch mechanism and connections whereby the field windings are first connected to the supply source having the lowest frequency, the field winding having the lowest number of poles is disconnected from the source at a predeter-

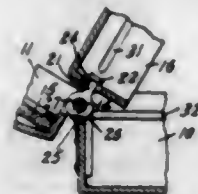
mined speed of the load, and finally the field winding for the highest number of poles is disconnected from the source having the lowest frequency and the field winding having the lowest number of poles connected to a source having a higher frequency.

1,518,593. FLUSHING DEVICE. LOUIS E. MACBRYDE, West Hartford, Conn. Filed Feb. 19, 1924. Serial No. 693,826. 15 Claims. (Cl. 137-93.)



15. A flushing device comprising a casing, a diaphragm dividing said casing into a pressure chamber and a valve chamber, said valve chamber having an inlet opening, a discharge opening and a main valve seat therebetween; a duct leading from the valve chamber to said pressure chamber, a main valve carried by said diaphragm and having a port leading from the pressure chamber to said discharge opening, a relief valve controlling said port and mounted for opening movement in a direction opposite to the opening movement of the main valve, said relief valve having a closing movement against the fluid pressure, a spring normally urging said relief valve into closed position and against fluid pressure, and means for opening said relief valve.

1,518,594. VANITY CASE. WALTER B. MARBLE, Chicago, Ill. Filed June 7, 1923. Serial No. 643,848. 3 Claims. (Cl. 132-83.)

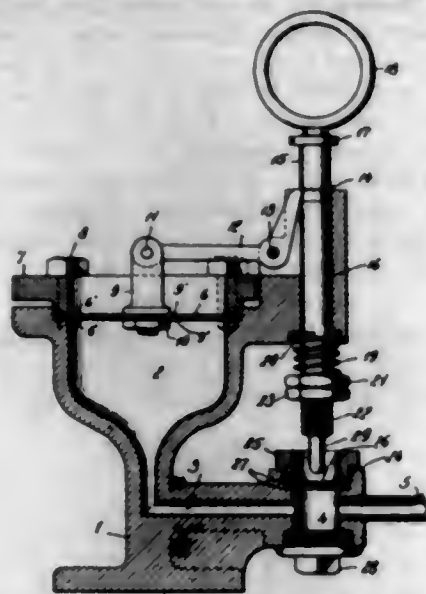


1. A vanity case comprising a casing consisting of a base member and a cover member, and a member detachably connected to and swiveled intermediate said base and cover and having toilet accessories secured to its opposite faces.

1,518,595. GAS-ABSORPTION APPARATUS. MAX MAURAN, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Jan. 20, 1923. Serial No. 613,817. 11 Claims. (Cl. 261-77.)

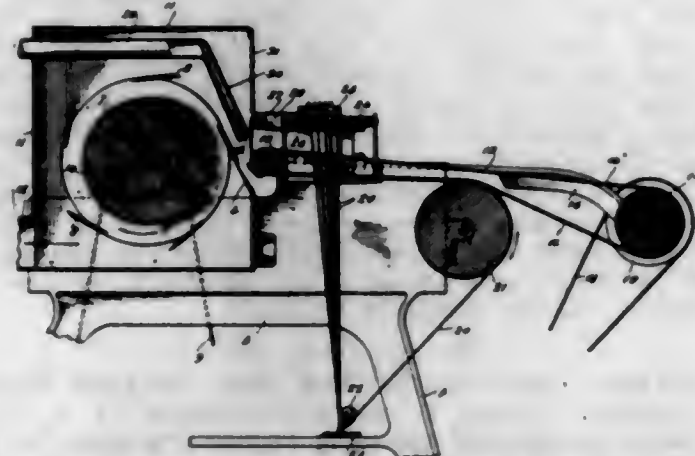
1. An apparatus for the absorption of gas in liquids comprising a source of gas under pressure, a container for liquids in which the gas is to be absorbed and piping connecting the same for conveying the gas to the liquid, together with means in said connections for automatically permitting access of atmospheric air and

the breaking of a vacuum when the pressure falls to a predetermined degree below atmospheric, said connections being adapted to withstand superatmospheric pressure.



sure during normal operation, whereby the gas can be conveyed to the liquid under superatmospheric pressure, but whereby the sucking back of liquor into said connections is prevented.

1,518,596. FUR-SHEARING MACHINE. CHARLES R. MISCHKE and REINHARDT CHARLES MISCHKE, Brooklyn, N. Y. Filed Apr. 6, 1922. Serial No. 550,038. 10 Claims. (Cl. 149-19.)

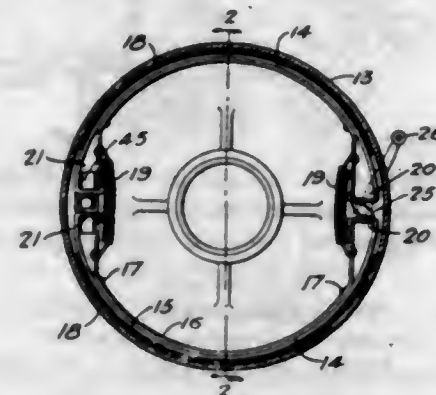


7. In a fur-shearing machine, the combination of cutting mechanism, an inner roller contiguous thereto, an outer roller at a distance from said inner roller, an endless belt passing over said inner and outer rollers in upper and lower runs, an intermediate roller over which the lower run of said belt passes, a guide roller located at a distance above said inner roller, a plurality of pulleys located above said belt and rotatable about axes extending transversely thereto and a plurality of flexible, endless members passing over said pulleys and guide roller into tangential relation to said inner roller and into engagement with the lower run of said belt and over said intermediate roller away from said belt whereby the upper run of said belt is free and unobstructed and said flexible members exert a clamping effect upon said belt only during and subsequent to the cutting operation.

1,518,597. MANUFACTURE AND PRODUCTION OF OXALIC ACID. ALWIN MITTASCH and OTTO BALZ, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Aug. 19, 1921. Serial No. 493,051. 2 Claims. (Cl. 260-119.)

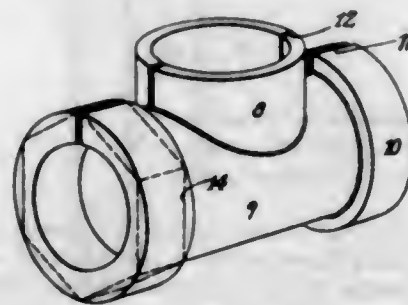
2. The process of producing oxalic acid which consists in heating wood with nitric acid in the presence of ferric nitrate.

1,518,598. TAKE-UP BRAKE. HENRY W. MUEHLEISEN, Los Angeles, Calif., assignor, by direct and mesne assignments, to W. S. Rush & Co., a Copartnership composed of W. S. Rush, E. S. Rush, and B. C. Graves, all of Los Angeles, Calif. Filed May 24, 1922. Serial No. 563,259. Renewed Oct. 8, 1924. 4 Claims. (Cl. 188-78.)



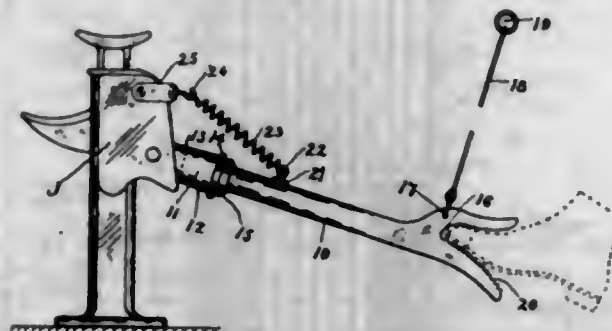
1. In a brake, the combination of: a brake drum; two shoes inside said brake drum, each shoe having an adjusting end and a setting end, the adjusting end of one shoe being adjacent to the adjusting end of the other shoe and the setting end of one shoe being adjacent to the setting end of the other shoe; means by which the setting ends of the shoes may be forced apart; a pin projecting into the space between the adjusting ends of said shoes; and a rectangular block carried on said pin to be turned into either of two positions so that either its sides or its ends may engage said adjusting ends of said shoes to adjust the brake.

1,518,599. MAKING PIPE FITTINGS AND THE LIKE. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Mar. 16, 1923. Serial No. 625,481. 3 Claims. (Cl. 29-157.)



1. The method of making a flanged tubular product which consists in providing a blank of the required thickness of the body of the product with an integral edge of extra thickness and bending the same about an axis transverse to the thick edge.

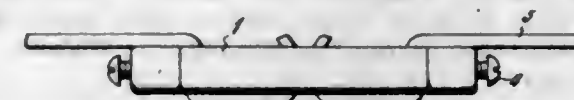
1,518,600. FOOT-PEDAL LIFT FOR VEHICLE JACKS. JAMES G. NOLEN, New York, N. Y. Filed Oct. 12, 1921. Serial No. 507,172. 4 Claims. (Cl. 254-1.)



1. The combination with a jack having means for elevating the jack to operative supporting position, of a lift member arranged at one end for removable connection to said means for co-operating therewith and

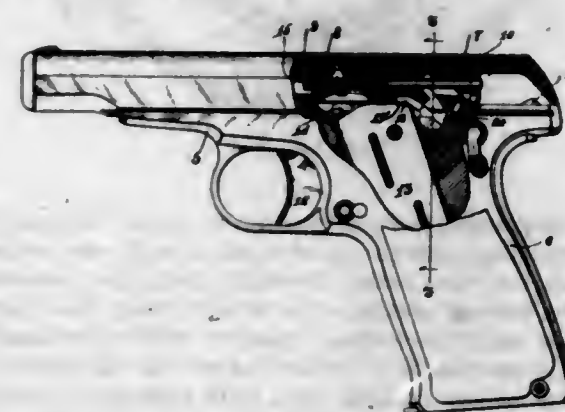
having at its opposite end a member provided with an upper jaw and a lower jaw for receiving the foot of an operator between the jaws for raising or depressing the lift by lifting upwardly or pressing downwardly the foot of the operator without removal of the foot from between the jaws.

1,518,601. HOLDER FOR CABLES, CLOTHESLINES, AND THE LIKE. MICHAEL O'DAY, Bridgeport, Conn. Filed Jan. 19, 1924. Serial No. 687,328. 1 Claim. (Cl. 24-135.)



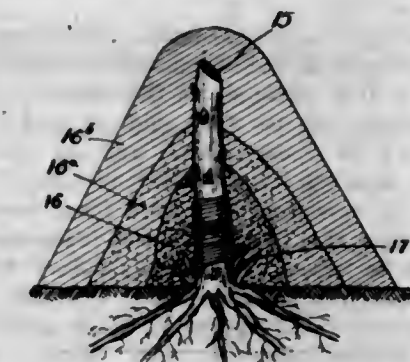
In combination with the meeting ends of a pair of flexible cables, of a device comprising a body having a slot in its center and a hole adjacent each end thereof, the ends of said cables passing through said slot and crossing therein and extending through said holes, and screws passing through the ends of said body for clamping the ends of the cables against the walls of said holes.

1,518,602. AUTOMATIC PISTOL. JOHN DOUGLAS PEDERSEN, Jackson, Wyo. Filed Mar. 11, 1920. Serial No. 364,899. 16 Claims. (Cl. 42-3.)



1. In a firearm of the type wherein a breech-block is slidably carried by a frame and is removable therefrom in a forward direction in disassembling the arm, an ejector pivoted to the frame and having a portion positioned above the bottom of the breech-block when in operative position, and a groove in said breech-block for receiving said portion of the ejector having a rear wall adjacent said ejector and extending forwardly.

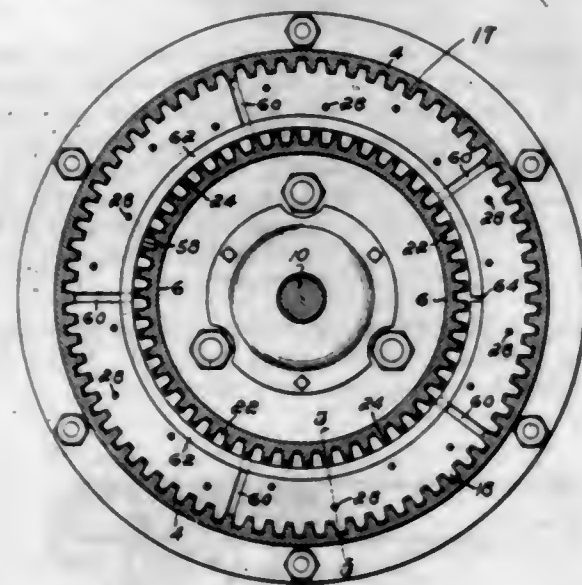
1,518,603. WALNUT GRAFT. PETER ROBER, El Monte, Calif. Filed Dec. 29, 1922. Serial No. 609,614. 2 Claims. (Cl. 47-6.)



1. The method of grafting walnut trees which consists in cutting a seedling stem obliquely to its axis and making a substantially axially extending and transversely disposed slit in the oblique face and deflecting one wall of the slit laterally to form a projection outwardly from

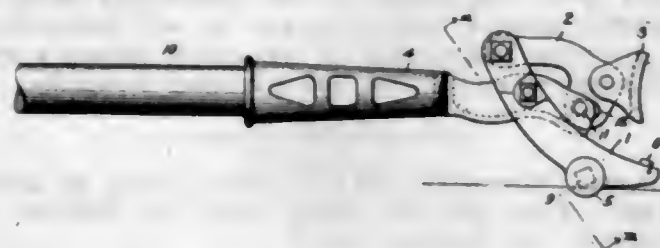
the plane of the oblique surface, complementarily obliquely cutting the lower end of a scion and forming in a similar manner a deflected tongue and abutting the scion to the seedling stem with the oblique planes in juxtaposition and said tongues in abutment, wrapping the zone or joint of the scion and the stem, and tamping an earth mound around and over the stem and the applied scion.

1,518,604. FRICTION CLUTCH. ADOLPH ROSNER, Bridgeport, Conn., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1920. Serial No. 370,167. 18 Claims. (Cl. 192—69.)



1. In a power transmitting device, the combination of two parts, one splined on the other, and one transmitting power to the other through the spline connection, said parts having provision for transmitting the torque in a positive and unyielding manner while automatically taking up play in the spline connection irrespective of the sliding of one of said parts with respect to the other.

1,518,605. CAR PUSHER. LOUIS SARO, Carolina, W. Va. Filed Aug. 21, 1924. Serial No. 733,358. 1 Claim. (Cl. 254—38.)

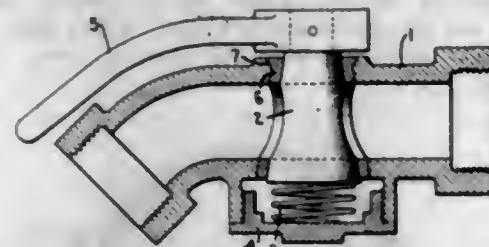


In a car-pusher the combination of a shoe adapted at one end to engage a rail from above and a car wheel from below, a link pivoted to the opposite end of said shoe and adapted at its free end to make engagement upon the tread of a car wheel, and an operating lever fulcrumed in said shoe at a point intermediate the ends of the shoe, the power arm of said lever being prolonged and constituting the handle of the instrument, and the work arm of the lever engaging said link at a point remote from its center of pivoting.

1,518,606. STOPCOCK. JAMES S. SHEAFE, Evanston, Ill. Filed Feb. 15, 1922. Serial No. 536,618. 1 Claim. (Cl. 251—113.)

For use in forming a device of the character herein described, a sleeve of malleable metal having an exterior surface formed frusto-conical to cooperate with a com-

plementary interior surface of a body member, and having on its smaller end an axially projecting ridge arranged to be rolled outwardly to form a radially pro-



jecting ridge adapted to extend into a counterbore in said body to maintain said sleeve firmly in position in said body.

1,518,607. TREATMENT OF CASE-HARDENING BATHS. PORTER W. SHIMER, Easton, Pa. Filed June 29, 1922. Serial No. 571,813. 2 Claims. (Cl. 148—15.)

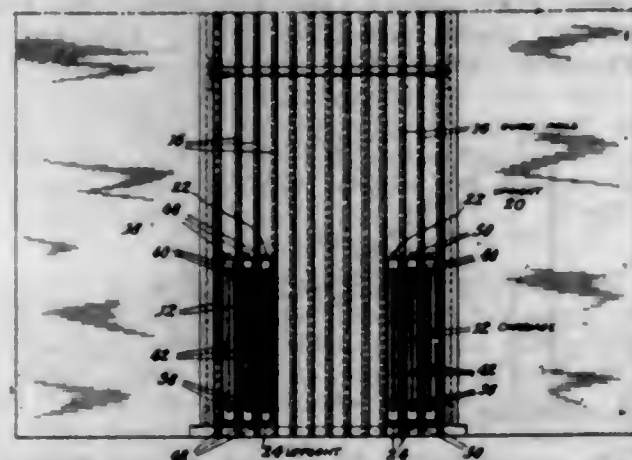
1. The method of imparting case-hardening properties to a molten bath of the character described which comprises subjecting the bath to the action of a strongly deoxidizing metal and then subjecting the bath to the action of calcium cyanamide substantially as described.

1,518,608. TOOTH SHADE GUIDE. CHARLES SHORT, Darby, Pa., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed July 27, 1920. Serial No. 390,288. 6 Claims. (Cl. 35—16.)



1. A device of the class described, comprising a shade tooth permanently mounted on a holder, and a trial backing for said shade tooth arranged to be readily applied and removed from said tooth.

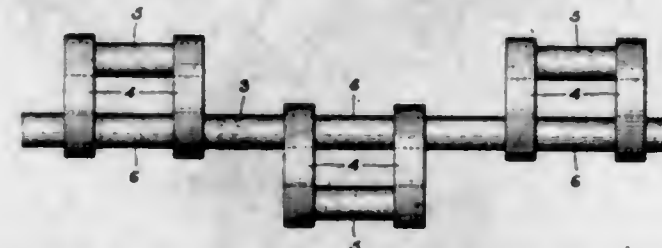
1,518,609. APPARATUS TO FACILITATE THE REMOVAL OF STARTING-SHEET DEPOSITS FROM THEIR RECEIVING BLANKS. FRANK J. SIBOL, Perth Amboy, N. J., assignor to Raritan Copper Works, a Corporation of New Jersey. Filed Apr. 1, 1922. Serial No. 548,608. 10 Claims. (Cl. 204—5.)



1. An apparatus of the kind described which comprises a track, closely spaced guides lengthwise of said track, a carriage mounted on said track and adapted to

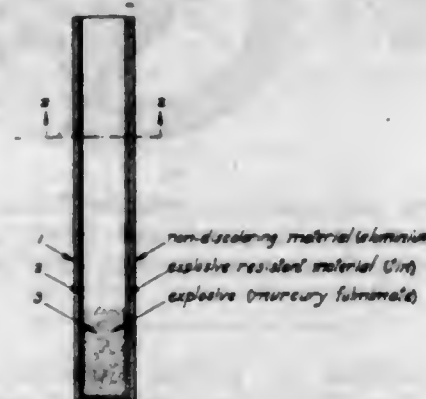
move between said guides, said carriage having front and rear uprights and means on said uprights adapted to receive and support the cross bar of a stripping blank.

1,518,610. METHOD OF MAKING CRANK SHAFTS. CHRISTIAN STEENSTRUP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 20, 1923. Serial No. 675,923. 5 Claims. (Cl. 20—6.)



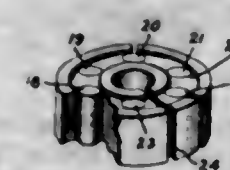
5. The method of forming crank shafts which comprises forming the shaft as a straight, unbroken member, separately forming each crank with openings for the shaft and its pin, shrinking the cranks on the shaft by mounting them when hot in a fixture and pushing the shaft by a longitudinal movement through the crank openings, uniting the shaft, cranks and pins by the fusion of metal, and cutting away the portions of the shaft between each pair of cranks and in line with their pins.

1,518,611. BLASTING CAP. NEWTON I. STEERS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 18, 1924. Serial No. 693,204. 8 Claims. (Cl. 102—9.)



7. A blasting cap comprising a shell and explosive received in said shell, said shell comprising a strength-imparting wall of strong non-discoloring material, and an inner wall of non-discoloring material of a character to withstand the action of said explosive.

1,518,612. ALTERNATING-CURRENT ELECTROMAGNET. HARRY M. STEVENS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 7, 1921. Serial No. 505,991. 13 Claims. (Cl. 175—338.)



1. The method of preventing chattering and avoiding residual magnetism in an alternating current magnet having a movable armature which consists in supplying a local out of phase flux symmetrically disposed with relation to the main flux sufficient to hold the armature when the main flux passes through zero and providing an air gap at the points of ingress and egress of the out of phase flux through the armature.

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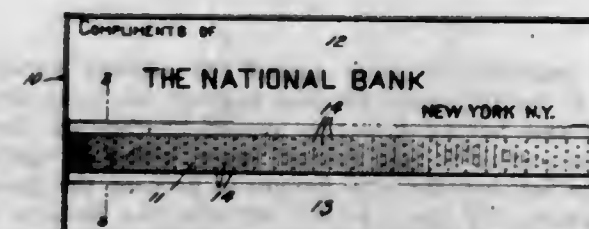
3. An electromagnet for alternating current circuits having stationary and movable portions forming the main magnetic circuit comprising a plurality of magnetic members included in said circuit and forming a pole face for one of said portions, means for setting up local magnetic circuits through said members and the other portion and air gaps in said circuits.

1,518,613. CASEMENT WINDOW. REUBEN B. TEETER, Los Angeles, Calif. Filed May 22, 1922. Serial No. 562,719. 1 Claim. (Cl. 268—4.)



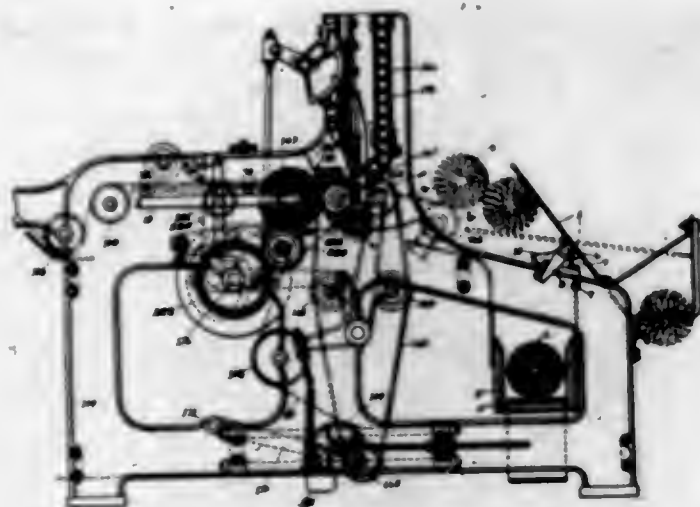
A frame having a recessed stool, a window sash, seated in the recess of said stool when closed, a connection between said sash and frame to permit vertical movement of said sash relatively to the recess in said stool and to provide a normal swinging support for the sash when out of said recess, and means for lifting said sash out of said recess, and onto the normal swinging support comprising a thrust rod mounted on said sash and engaging said stool, and a means for operating said window relatively to said thrust rod.

1,518,614. COMBINED CHECK PROTECTOR AND BLOTTER. ISIDOR TORNBERG, Plainfield, N. J. Filed Jan. 2, 1923. Serial No. 610,398. 2 Claims. (Cl. 120—1.)



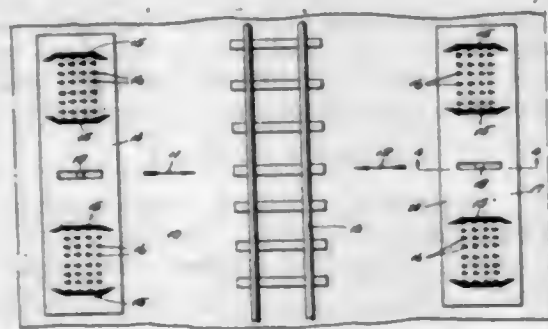
1. As a new article of manufacture, a combined check protector and blotter comprising a sheet of blotting paper adapted on one face for blotting the writing on a bank check and being approximately of check outline, and a thin flexible metallic strip or sheet secured against the other face of the blotter and punctured to form closely grouped outstanding burrs in a zone adapting the burrs to receive and puncture the writing on a check when the check is pressed downwardly against said burrs, said strip or sheet being extended the full length of said blotter.

1,518,615. TOWEL SEPARATING MECHANISM FOR LAUNDERING MACHINES. WILLIAM W. TRINKS, Bridgeport, Conn., and BENJAMIN W. TUCKER, South Orange, N. J., assignors to Pullelean Manufacturing Corporation, Bridgeport, Conn., a Corporation of Delaware. Filed May 5, 1924. Serial No. 711,131. 27 Claims. (Cl. 83-92.)



1. In a machine of the class described, the combination with towel feeding means, of normally inoperative means for deflecting towels from their normal path, and means operated by the engagement of torn towels to bring the deflecting means into operation.

1,518,616. HIGHWAY SAFETY DEVICE. SIDNEY VARNELL and JAMES L. HARRIS, Kingsland, Ark. Filed July 9, 1924. Serial No. 725,005. 5 Claims. (Cl. 238-3.)

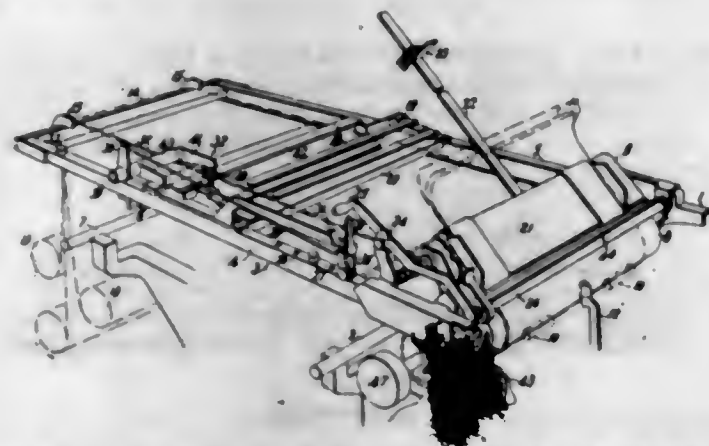


5. A vehicular roadway guard for railway crossings having a central space for the passage of horse drawn vehicles and having laterally spaced upstanding flanges at opposite sides of said central space, series of upstanding spurs between the said flanges to prevent the passage of pneumatically tired wheels between the flanges, and means to prevent the passage of motor vehicles over the said central space as described.

1,518,617. TYPEWRITING MACHINE. JOHN WALDHIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 20, 1918. Serial No. 263,243. 7 Claims. (Cl. 197-126.)

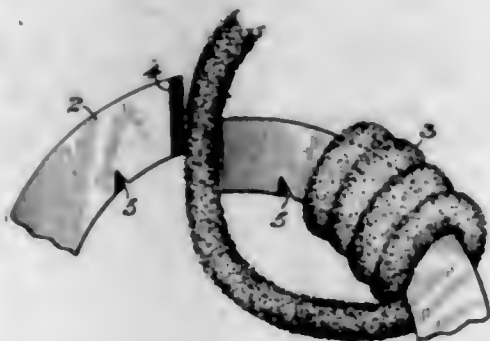
1. In a typewriting machine, the combination with a traveling typewriter carriage having a platen, of a traveling carbon-paper carriage to which a carbon-sheet is fastened, a stop for the carbon-paper carriage on its forward travel, to arrest the carbon-sheet while the sheet

extends far enough beyond the writing line to cover a work-form, and a work-form measuring gage for engaging the leading end of the web and positioned a plurality of



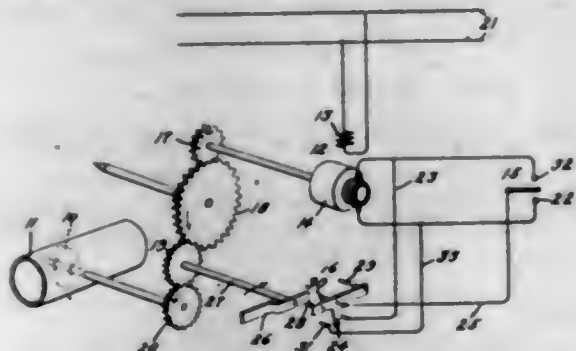
lengths of a work-form beyond the end of the carbon-sheet positioned as above stated, for measuring out an untyped work-form.

1,518,618. WREATH AND METHOD OF MAKING THE SAME. GILBERT C. WATERS, Jr., New York, N. Y., assignor to Schuyler F. Cohen, Brooklyn, N. Y. Filed Aug. 15, 1923. Serial No. 657,513. 14 Claims. (Cl. 41-12.)



1. A wreath, comprising a ring of flexible material transversely split at one point, and trimming material wound around said ring and holding the ends thereof together.

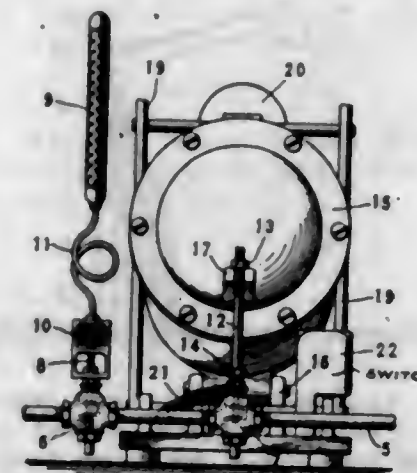
1,518,619. SYSTEM OF MOTOR CONTROL. ALFRED F. WELCH, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Mar. 31, 1922. Serial No. 548,542. 5 Claims. (Cl. 172-120.)



1. A system of motor control comprising an alternating current motor having field and armature elements, one of said elements permanently connected to an alternating current supply circuit to induce a voltage in the other element of a different value than the voltage of the supply circuit, a limit switch operated by the motor for stopping the motor at a limit of operation, a separately operable switch for controlling the starting of the motor, and connections whereby closing the said separately operable switch connects the said other element of the motor in a local circuit including the said switches

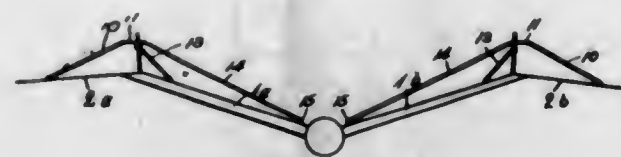
to effect operation of the motor and the resulting operation of said limit switch opens the local circuit in which the said other element is connected to stop the motor after a predetermined interval of operation.

1,518,620. REFRIGERATOR CONTROL. HERBERT JAMES CLEMENT WELLS, New York, N. Y. Filed Jan. 24, 1922. Serial No. 531,429. 9 Claims. (Cl. 236-80.)



1. A refrigerator control apparatus comprising the combination with a water supply conduit, two shut-off valves in said conduit, thermostatically controlled means subject to the temperature of the refrigerator for operating one of said valves, and liquid operated means for positively operating the other valve, said latter means being operated automatically.

1,518,621. SUPPORTING WING FOR FLYING MACHINES. FRIEDRICH WENK, Göttingen, Germany, assignor to Edward H. Palmer, trustee, Boston, Mass. Filed Jan. 17, 1922. Serial No. 529,981. 13 Claims. (Cl. 244-29.)

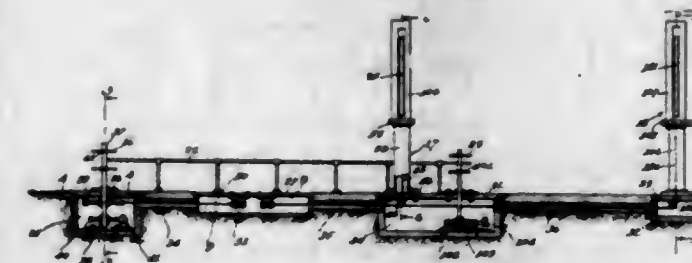


4. An airplane having main supporting wings arranged at a positive dihedral angle, each main wing being adjustable to permit alteration in its angle of attack and outer auxiliary stabilizing wings pivotally attached to the outer ends of the main wings, each auxiliary wing for normal flight being inclined downwardly towards its tips with relation to the adjoining main wing and its pivotal axis being inclined forwardly and inwardly with relation to the median longitudinal plane of the airplane, the auxiliary wing thereby presenting a negative angle of attack with relation to the angle of attack of the main wing and each auxiliary wing also extending rearwardly and outwardly to a substantial distance away from the end of the adjoining main wing to present a substantial portion at the rear thereof and outside of the influence of the edge whirls therefrom whereby said auxiliary wings may act as stabilizing surfaces, and devices to control the angle of attack of each auxiliary wing with relation to the angle of the main wing.

1,518,622. RUST-RESISTANT PLATED ARTICLE. CHRISTIAN JOHN WERNLUND, Tottenville, N. Y., assignor to The Roesler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Jan. 5, 1924. Serial No. 684,507. 14 Claims. (Cl. 204-1.)

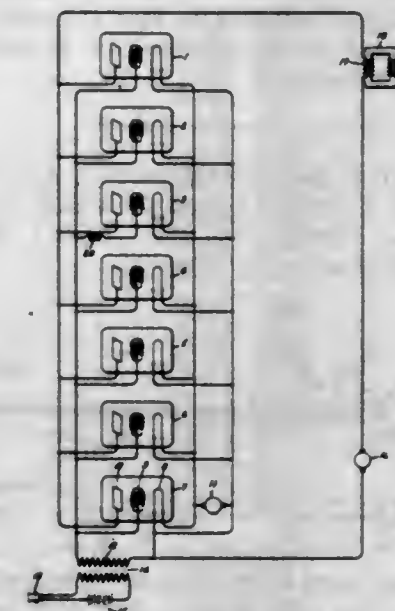
1. As a new article of manufacture, a ferrous article having an electrolytic coating comprising zinc together with 2% or more of cadmium.

1,518,623. SAFETY ZONE. GLEN R. WESTCOTT, Los Angeles, Calif. Filed July 9, 1924. Serial No. 724,968. 8 Claims. (Cl. 116-63.)



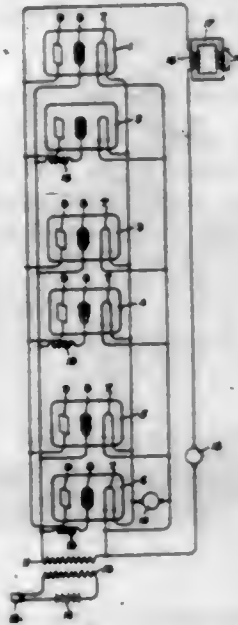
5. The means for forming a safety zone crosswise of a highway, which consists of mounting entrance turnstiles so that pedestrians cannot enter the zone except through the entrance turnstiles, mounting extensible and withdrawable stop signals toward the oncoming traffic, mounting extensible and withdrawable slow signals beyond the stop signals from the zone, and connecting all the signals together and to the turnstiles so that the operation of either turnstile will extend the signals.

1,518,624. AMPLIFYING SYSTEM. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 8, 1919. Serial No. 309,306. 8 Claims. (Cl. 179-171.)



1. The combination in an amplifying system of a plurality of electron discharge amplifiers connected in parallel and having plate and grid circuits, means for supplying currents to be amplified to the grid circuits of said amplifiers, means for supplying amplified current from the plate circuits of said amplifiers, and means connected in the grid circuit of only one of said amplifiers for preventing the generation of high frequency oscillations by said amplifiers.

1,518,625. AMPLIFYING SYSTEM. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed July 8, 1919, Serial No. 309,306. Divided and this application filed Nov. 15, 1923. Serial No. 674,990. 5 Claims. (Cl. 179-171.)

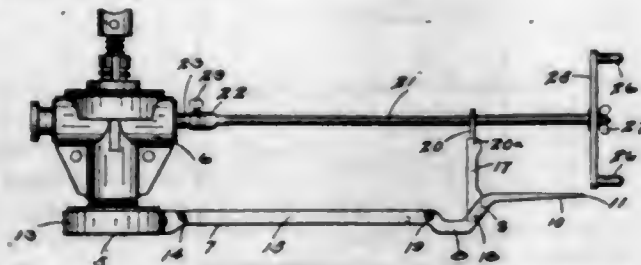


1. In a system comprising a number of discharge devices having their corresponding electrode circuits connected in parallel, a choking inductance in a number of the corresponding electrode circuits.

1,518,626. TREATMENT OF COPPER-LEAD MATTE. CHARLES W. WHITLEY, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed May 18, 1921. Serial No. 470,657. 7 Claims. (Cl. 75-17.)

1. The process of treating copper lead matte containing iron and other metals to remove the lead, which consists in roasting the matte to reduce the sulphur content below the copper content of the charge, adding silicious material in quantity sufficient to slag the iron, and subjecting the mixture in the presence of a reducing fuel to a smelting temperature.

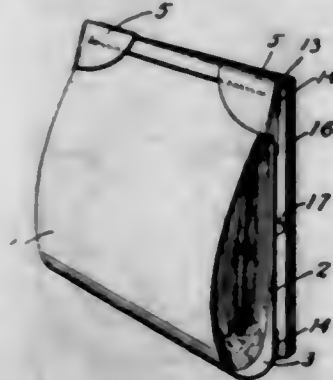
1,518,627. DEVICE FOR SUPPORTING AND OPERATING LIFTING JACKS. JAMES M. WILLS, Ottawa, Ontario, Canada. Filed Oct. 15, 1923. Serial No. 668,630. 2 Claims. (Cl. 254-1.)



2. A device for operating lifting jacks including a base member in the form of a channel bar with one end offset upwardly and flattened; a jack receiving tray carried at the other end of the base member; a standard pivotally connected with said base member and adapted at times to rest in inoperative position therein; said standard being adapted to be retained at times in upstanding operative position by said base member; a ring pivotally carried by said standard; an operating rod working in said ring; one end of said operating rod being adapted for detachable connection with the operating shaft of a jack supported in the tray; an operating handle carried by said operating rod; and means for preventing movement of the jack in said tray; the operating rod being

adapted to rest in the base member when not in position for operation; one end of the operating rod resting in the tray while the other end rests on the upwardly offset and flattened end of the base member; said base member carrying means to secure the operating rod in inoperative position in said base member.

1,518,628. PAPER-HANDKERCHIEF PACKAGE. EARL W. WOOD, Los Angeles, Calif. Filed Aug. 19, 1922. Serial No. 582,984. 6 Claims. (Cl. 206-57.)

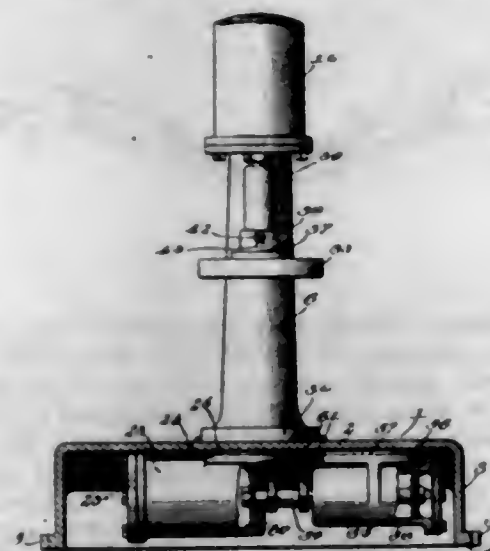


1. A paper handkerchief and cover structure comprising a pad of sheets attached at one end to the cover, said pad being transversely folded on itself, and said cover including a flap to cover the folded pad, the cover having corner ears under which the flap corners are retainable.

1,518,629. BLASTING CAP. CLIFFORD A. WOODBURY, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 5, 1924. Serial No. 690,882. 5 Claims. (Cl. 102-9.)

4. A detonator having a base charge comprising ground pyro powder having a fineness such that all will pass a 30 mesh screen and substantially between 35 and 90% will pass a 100 mesh screen, and a primary detonating compound.

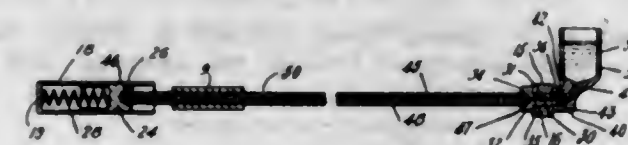
1,518,630. CASTING MACHINE. FRANK NATHANIEL BROWN, Jr., El Paso, Tex. Filed Aug. 13, 1923. Serial No. 657,126. 3 Claims. (Cl. 22-73.)



1. A casting machine comprising a base having a rest plate thereon adapted to support in vertical position an investment holding ring, a hollow standard on said base, said standard having two separate passages therein, a vertically disposed cylinder closed at its ends and supported by said standard in overlying spaced relation to the rest plate, one of said passages of the standard being in communication with said cylinder at the upper end of the latter and the other of said passages of the standard being in communication with the cylinder at the lower end of the latter.

the lower end of the latter, a piston reciprocable in the last named cylinder and having a piston rod depending below the lower end of the cylinder, a valve casing at the lower end of the piston rod and having a lateral outlet, a cover for the investment holding ring slidably supported at the lower end of the valve casing and having an opening therethrough, a valve carried by said cover and supported within said valve casing, said valve closing said lateral outlet when the cover is at the limit of its downward movement and said cover being adapted to be moved upwardly upon engagement with the investment holding ring to open the lateral outlet, a conduit connecting the lateral outlet with the first passage of the standard, and means for supplying pressure fluid to the passages of the standard alternately.

1,518,631. PICKER ROD. HUDGER BRUNEAU, Woonsocket, R. I. Filed May 20, 1924. Serial No. 714,560. 1 Claim. (Cl. 139-155.)



In a loom, a shuttle box, a bearing member yieldingly supported by the box, a lug on the box provided with a hole, a bearing member in alignment with the first bearing member comprising a shank in the hole provided with a central longitudinal passage and with a thread and a head engaging the lug provided with a cavity communicating with the passage, an oil cup comprising a bowl and a neck engaging the lug provided with a passage and with a thread engaging the first thread, and a tubular picker rod provided with a lateral oil opening and having one end engaging the first bearing member and having its opposite end seated in the cavity.

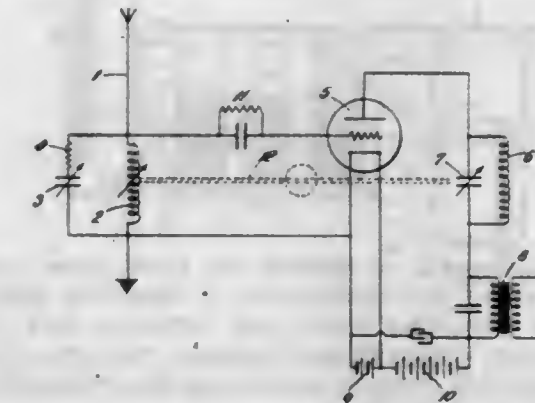
1,518,632. AUTOMATIC CLOSING DEVICE FOR WINDOWS. HARRY E. CAMPBELL, Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Feb. 9, 1924. Serial No. 691,651. 4 Claims. (Cl. 189-74.)



4. In combination, a jamb, sashes having members extending back of the inner wall of the jamb, counterbalancing means for said sashes located back of the inner wall of the jamb, an auxiliary weight within the jamb, a fusible link suspending such auxiliary weight, an opening adjacent such link whereby such link may

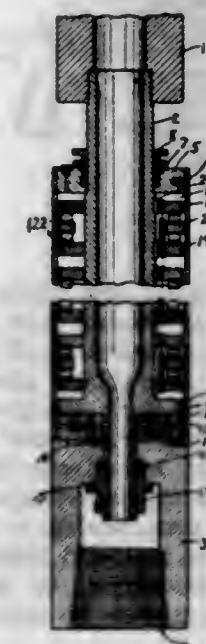
be exposed to heat outside of said jamb, and means forming part of such weight adapted, when such link fuses, to cause one sash to rise and the other sash to drop.

1,518,633. RADIO SIGNALING SYSTEM AND APPARATUS THEREFOR. RUPERT EVAN HOWARD CARPENTER, Purley, England. Filed May 20, 1924. Serial No. 714,548. 1 Claim. (Cl. 250-20.)



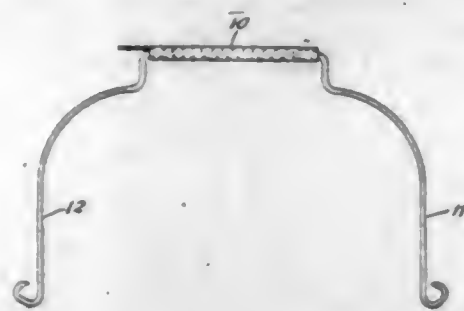
In radio receiving apparatus having a capacity, inductance loop in the antenna ground circuit, the method of accommodating such apparatus to antennae of different characteristics which consist in inserting resistance in series with said capacity to obtain partial accommodation and then adjusting the capacity until complete accommodation is secured.

1,518,634. SAFETY CLUTCH FOR DRILL STEMS. DICK KENDALL CASON, Jr., Orange, Tex. Filed June 20, 1923. Serial No. 648,437. 10 Claims. (Cl. 255-1.)



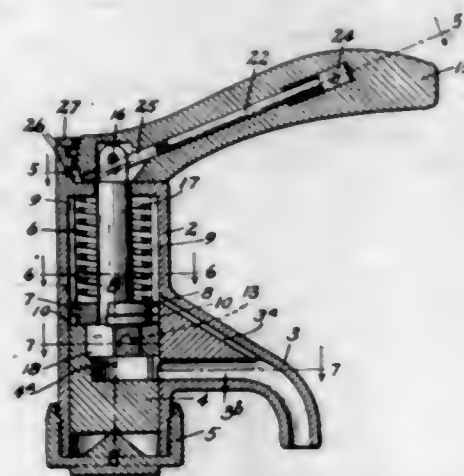
1. In a rotary earth boring apparatus including a drill and a tubular drill stem thereon through which flushing fluid is pumped to said drill, the combination of a driving connection in said drill stem above said drill comprising spring pressed frictional means on said tubular drill stem adapted to slip when the resistance to rotation of said drill becomes excessive, and allow the drill to remain stationary.

1,518,635. HANDLE FOR SHEET-METAL CONTAINERS. WILLIAM GORDON COOTE, Nyabing, Western Australia, Australia. Filed Sept. 14, 1922. Serial No. 588,151. 6 Claims. (Cl. 220-94.)



1. Improvements in handles for sheet metal containers comprising the combination of separable right and left hand connecting arms, each having a hook curved over so that accidental displacement from the holes in the container is checked, and means for detachably connecting the arms.

1,518,636. THREE-IN-ONE VALVE. GEORGE CURCOUTIS, Monrovia, Calif. Filed Feb. 2, 1923. Serial No. 616,578. 9 Claims. (Cl. 277-7.)

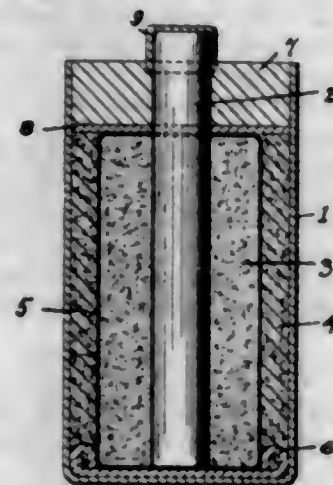


1. A three-in-one valve comprising a shell having a discharge spout communicating with the interior of the valve, a rotary core mounted in the valve and having a plurality of ports in a plane above the spout duct, hot and cold water inlets in the plane of the parts so as to be registered therewith, and means for turning the core into register selectively with the inlets and providing for communication between the inlets and the discharge duct, the core having a pocket with which the ports communicate and said means including a plug fitting the pocket nonrotatively so as to rotate the core and movable in the pocket to uncover and cover the ports.

1,518,637. DRY CELL. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Original application filed Feb. 24, 1920, Serial No. 360,553. Divided and this application filed May 3, 1920. Serial No. 378,458. 26 Claims. (Cl. 136-38.)

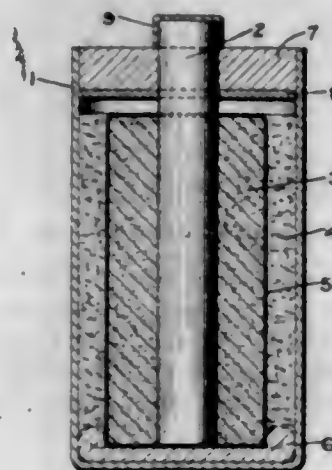
1. In a dry cell, a zinc cup, a carbon electrode, a cartridge surrounding the carbon electrode, containing

a dark blue manganese oxid precipitate, the same being a pretreated by-product from the manufacture of saccharin, wholly insoluble in a solution of ammonium



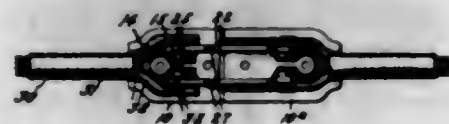
chlorid of 2° Baumé when the cell is freshly made, and a paste interposed between the cartridge and the cup.

1,518,638. DRY CELL. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Original application filed Dec. 22, 1919, Serial No. 346,694. Divided and this application filed May 3, 1920. Serial No. 378,457. 10 Claims. (Cl. 136-38.)



1. In a dry cell, a paste containing cereal, an amalgamator and an electrolyte, the electrolyte content when the paste is fresh consisting substantially entirely of a salt material of a preservative character, said paste being designed to receive and distribute an excitant placed in juxtaposition thereto.

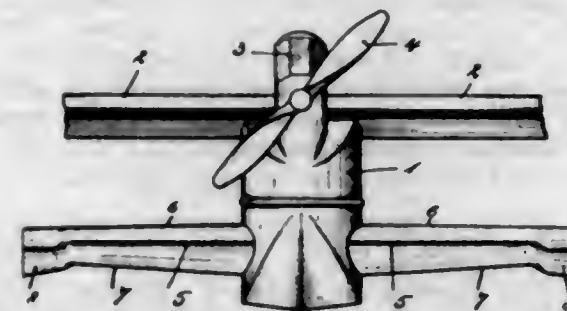
1,518,639. CORD CONNECTER. FRANK C. DE REAMER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 10, 1921. Serial No. 436,073. 10 Claims. (Cl. 173-332.)



1. A cord connector member comprising two mounting blocks of insulating material clamped together to form a casing, said blocks having grooves which register to form an opening for a conductor cord at one end of the casing and a plurality of spaced parallel grooves which register to form a holding means for connecting contacts at the opposite end of the casing, said contacts comprising flat straight strips of conducting material mounted edgewise in said last-named grooves and pro-

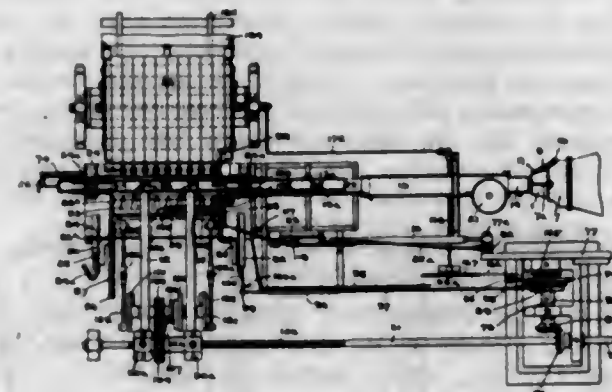
jecting exteriorly of the casing, said last-named grooves for a portion of their length having a width substantially equal to the thickness of the contact strips whereby the strips are held from twisting, interengaging parts carried by the edges of the contact strips and the bottoms of the grooves for holding said strips from longitudinal movement, a strain relief post for a conductor wire mounted on each contact strip adjacent its inner end to project laterally from one face thereof and a binding screw for said conductor wire, which screw passes through the contact strip from the opposite face thereof into the strain relief post, said strain relief post being threaded to receive said screw.

1,518,640. FLYING-BOAT'S HULL. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor to the Firm: Zeppelinwerk Lindau, Gesellschaft mit beschränkter Haftung, Lindau-Reutin, Germany. Original application filed June 15, 1921, Serial No. 477,843. Divided and this application filed May 10, 1924. Serial No. 712,368. 4 Claims. (Cl. 244-2.)



3. A flying boat comprising a boat's hull, a fin mounted on each side wall of said hull and extending substantially horizontally in lateral direction, the upper surface of said fin extending substantially horizontally, the lower surface first gradually rising and thereafter dropping again in lateral direction, so as to form a fin with a thick base and outer portion and a thinner middle portion.

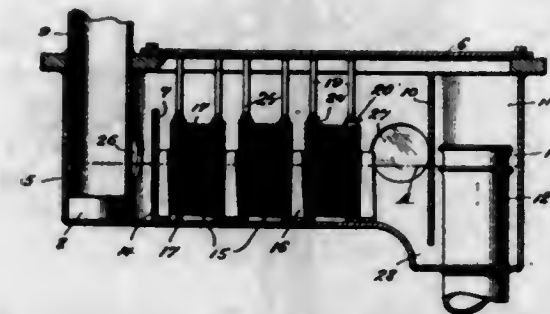
1,518,641. BRICKMAKING MACHINERY. LAURITZ NIELSEN DYHRBERG, Ashburton, New Zealand. Filed July 15, 1921. Serial No. 485,008. 33 Claims. (Cl. 25-105.)



1. A brick forming apparatus including in combination a pugmill, a bar forming die associated therewith, a travelling cutting table for accommodating the bar, a stationary stand between the table and the die and adapted to be partially telescoped by the cutting table, a cutter for acting on the bar on the table, a brick cutting frame mounted on the table, a plunger for acting on the severed portion of the bar on the table for forcing the bar through the frame, a movable delivery table

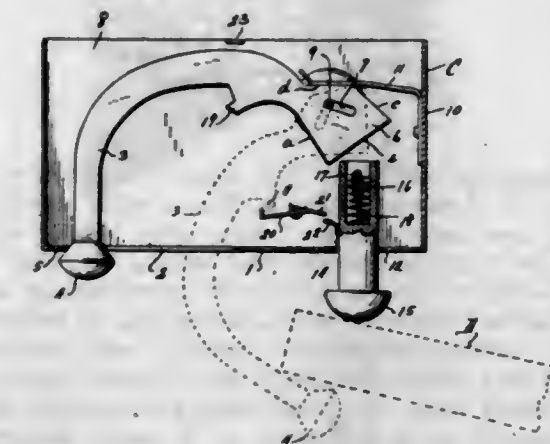
for receiving the cut bricks, means for synchronously actuating the cutting and delivery tables and the plunger, and conveying means for receiving the bricks from the delivery table.

1,518,642. GRAVITY SEPARATOR. WILLIAM L. R. EMMET, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 25, 1923. Serial No. 634,613. 6 Claims. (Cl. 210-62.)



1. In a liquid separator, a casing, and a separator element therein comprising a plurality of vertically-spaced plates defining liquid passages, and means on the under surface of each plate in spaced relation to the adjacent lower plate providing a plurality of recesses along each passage in which foreign floating particles may lodge.

1,518,643. DOOR HOLDER. MOSES H. FAUBERT, Detroit, Mich. Filed May 26, 1923. Serial No. 641,663. 9 Claims. (Cl. 292-198.)

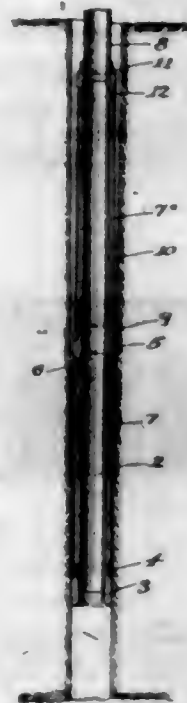


1. A door holder comprising a casing provided with an opening, a holding bolt extending within said casing through the opening thereof, the inserted end portion of the bolt being provided with a slot, a pin carried by the casing and disposed through the slot of the bolt about which the bolt has swinging movement, said bolt being substantially housed within the casing when retracted, a spring engaging the pivoted end portion of the bolt to impart swinging movement thereto, and a plunger extending within the casing and contacting upon movement in one direction with the pivoted end portion of the bolt to impart initial swinging movement thereto.

1,518,644. FRICTION-SLEEVE WATER SEAL. FRANCIS A. FETTER, Bakersfield, Calif. Filed Sept. 1, 1922. Serial No. 585,632. 1 Claim. (Cl. 166-9.)

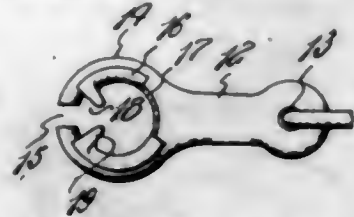
In combination with a string of well casing, a plurality of sleeves secured to the lower sections of said string and held in spaced relation thereto, adapted to be landed and form a seal in the well hole, and a two-part coupling for securing adjacent sections with sleeves thereabout together, said coupling consisting of a first

part, threaded on to one section and provided with an annular recess capable of receiving the end of the sleeve disposed about that section, and a second part threaded



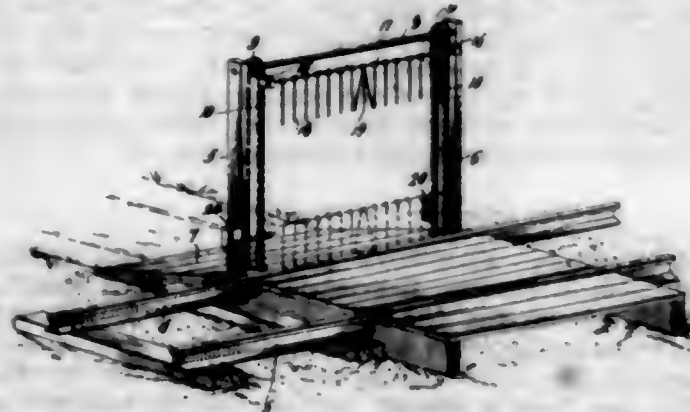
on to the first part and on to the adjacent section, said second part being provided with a recess for receiving the end of the sleeve disposed about the adjacent section.

1,518,645. TIRE CHAIN. JOHN D. FINNEGAN, Newcomb, N. Y. Filed Oct. 13, 1923. Serial No. 603,431. 1 Claim. (Cl. 24—241.)



A fastening device of the character described comprising an elongated plate having a split annular portion at one end, a split locking ring wholly arranged within the annular portion, and having its outer periphery grooved to receive the inner periphery of said annular portion, whereby said locking ring is mounted for rotation within said annular portion, and inwardly extending lugs projecting from the adjacent ends of the split locking ring, said lugs being convergently disposed and adapted to be arranged at a point diametrically opposite the space between the ends of the annular portion of the plate when the locking ring is in a position for use.

1,518,646. RAILROAD-CROSSING DEVICE. ESTHER FOGERTY, Ocean Grove, N. J. Filed Dec. 29, 1922. Serial No. 609,090. 1 Claim. (Cl. 240—128.)



A railroad crossing device of the class described comprising a pair of spaced vertical posts, spaced longitudinal shafts journaled at their ends between said posts,

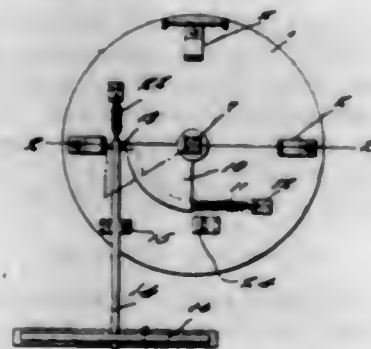
sprocket wheels carried near the ends of said longitudinal shafts, sprocket chains adapted to run over said sprocket wheels, transversely extending lugs carried by said chains, a longitudinal gate member mounted between said transversely extending lugs, counterweights adapted to raise said gate member mounted on the opposite side of said sprocket chains, and means to operate said sprocket chains.

1,518,647. SCRIBER GAUGE. DANIEL W. L. FRANK, Mobile, Ala. Filed July 16, 1921. Serial No. 485,216. 6 Claims. (Cl. 33—44.)



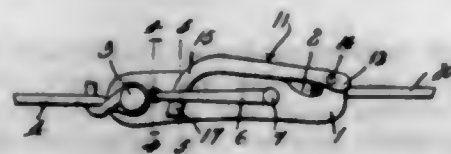
1. A combination gauge of the character herein set forth comprising a tubular stock or butt member, a plurality of gauge bars telescopically disposed within the same, a plurality of scribers mounted around the stock adjacent its forward end and transversely adjustable thereof and scratch points mounted on said gauge bars and transversely adjustable thereof.

1,518,648. MAIL-BAG CATCHING AND DELIVERING APPARATUS. PHILIP H. GLASS, Richmond, Va., assignor of one-half to Walter F. Delaney, Richmond, Va. Filed Mar. 3, 1924. Serial No. 696,638. 2 Claims. (Cl. 258—S.)



1. Mail bag supporting means comprising a rotary shaft, supporting means for the same, bag supporting arms on the shaft, a member connected with the shaft, spring means connected with the member for holding the shaft in one position, a projection on the member, a stop for engaging the same for limiting the movement of the member by the spring, a latch bar engaging said projection for holding the shaft in another position, and a trip bar arranged above the latch bar and adapted to be engaged by a part of a mail train.

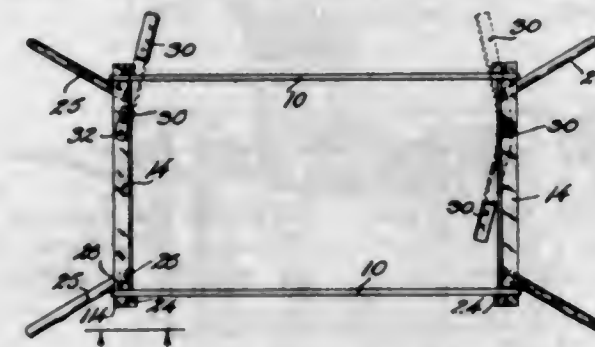
1,518,649. AUTOMOBILE CHAIN HOOK OR FASTENER. CHARLES H. GODWARD, Elbow Lake, Minn. Filed Aug. 11, 1923. Serial No. 636,792. 1 Claim. (Cl. 24—69.)



A chain fastener including a body portion having a seat, a lever pivoted to the body portion and constituting a closure for the seat, said lever having an outstanding keeper, a spring arm forming a latch secured to the

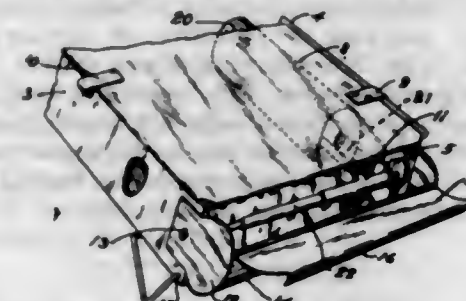
body and extending longitudinally of the body, said spring arm adapted to coact with the outstanding keeper to hold the lever in closed position with respect to the seat, said latch having an arm, the body having an opening through which the arm extends, and a button on the free end of the last mentioned arm to be engaged by the finger of the operator for disengaging the latch and keeper.

1,518,650. FOLDING GRATE AND SUPPORT FOR CAMP STOVES. LOUIS B. GOLDBERG, NATHAN GOLDBERG, JACOB M. GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed Sept. 26, 1922. Serial No. 590,611. 10 Claims. (Cl. 126—30.)



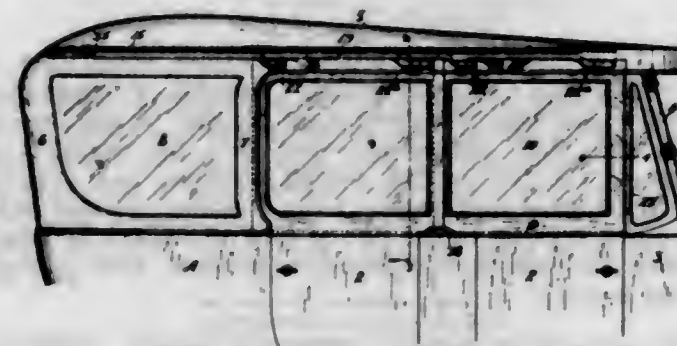
1. A camp stand comprising side rails, end bars connected to said rails by means which permit the bars to have a limited rotation about their axes, and legs on said end bars, said legs being pivotally connected to the bars.

1,518,651. CAMP STOVE. LOUIS B. GOLDBERG, NATHAN GOLDBERG, JACOB M. GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed Feb. 19, 1924. Serial No. 693,790. 12 Claims. (Cl. 126—38.)



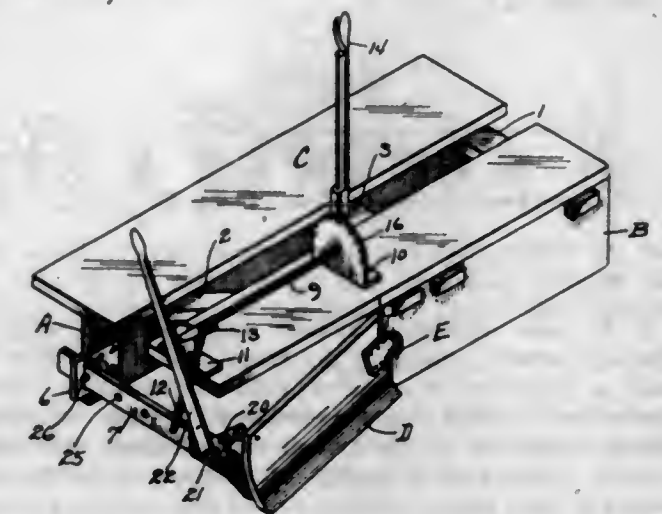
1. A casing comprising a bottom, two sides and two end walls, one end wall having a notch, the outside of said notched end being provided with a transverse pocket with which the notch communicates.

1,518,652. AUTO TOP. FRANK D. GOULD, San Francisco, Calif., assignor to F. D. Gould Company, San Francisco, Calif., a Corporation of California. Filed Dec. 18, 1919. Serial No. 345,785. 22 Claims. (Cl. 296—47.)



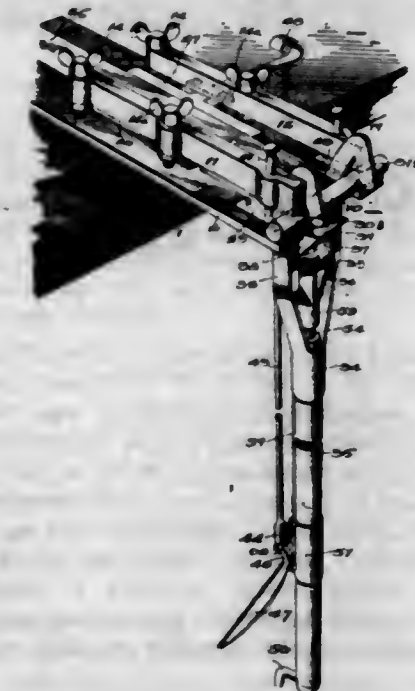
1. In a device of the character described, a track member having a long and a short recess formed therein, a window supported by said track member, a front and rear shoe engaging the track from which the window is suspended, and means for preventing the front shoe from entering the short recess.

1,518,653. ROAD DRAG. RAY GRIFFITH, Sabetha, Kans. Filed Jan. 5, 1924. Serial No. 684,640. 4 Claims. (Cl. 37—175.)



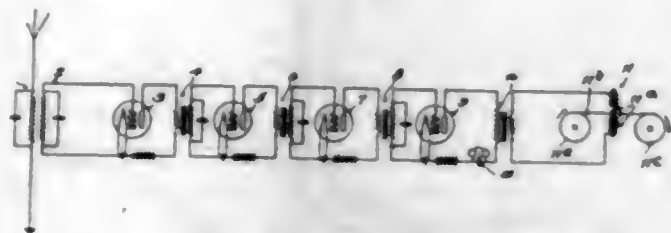
1. In combination with a road drag including a fixed scraper, of a movable scraper and means whereby the movable scraper may be actuated to various angles in relation to the fixed scraper and at various angles in relation to the ground and also means whereby one end of the movable scraper may be elevated and lowered.

1,518,654. DEVICE FOR FORMING EYES ON METAL STRIPS. GILBERT NAHUM HAMMOND, Pomona, Calif. Filed July 11, 1923. Serial No. 630,926. 8 Claims. (Cl. 153—40.)



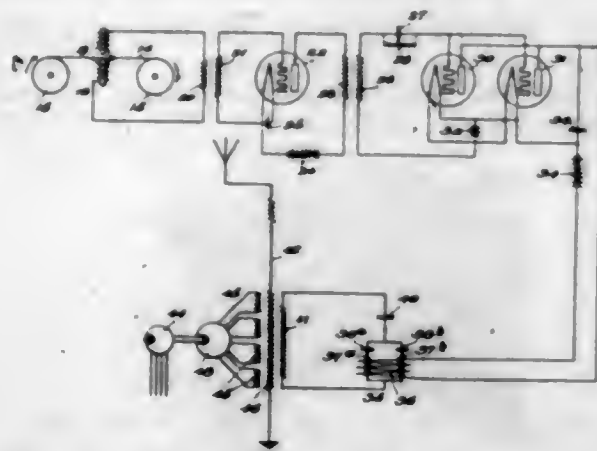
1. A device for bending the ends of metal strips to form eyes comprising a support provided with spaced parallel slots at the forward end and running longitudinally for a portion of the length of the support, spaced rails mounted in spaced relation above the support with a rail adjacent each slot, means for adjusting the rails relative to the support, a gauge plate mounted adjacent each slot and at the end of the support, posts removably mounted in the forward end of the rails and having connection with the forward ends of the support upon one side of the slot, the gauge plates being provided with perforations adapted to receive the posts, the space between each gauge plate, forward ends of the rails and posts adapted to receive the ends of a pin around which the metal strip is adapted to be bent, a detachable carriage swingable on the pin, a jaw pivotally mounted on the carriage, means for rocking the free end of the jaw into engagement with the pin, and means for moving the jaw toward or away from the end of said carriage.

1,518,655. RADIOTELEGRAPH SYSTEM. WENDELL L. CARLSON and EARL C. HANSON, Washington, D. C. Filed Jan. 14, 1920. Serial No. 331,454. 2 Claims. (Cl. 250-8.)



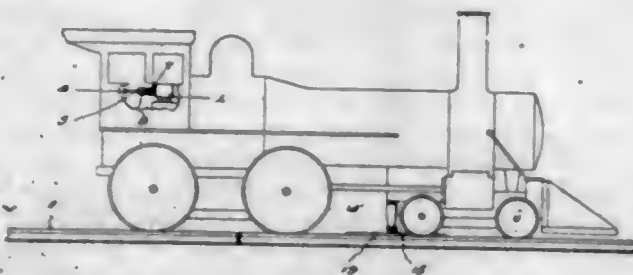
1. A radio receiving system comprising a wave responsive circuit tuned to the frequency of incoming signals, a plurality of electron tube amplification circuits connected to said wave responsive circuit, an output circuit connected to the last of said electron tube amplification circuits, a plurality of responsive devices connected in said output circuit, one of said devices arranged to magnetically record said incoming signals, and another of said devices arranged to render audible said incoming signals.

1,518,656. RADIOTELEGRAPH SYSTEM. EARL C. HANSON, Washington, D. C. Filed Mar. 11, 1920. Serial No. 365,125. 1 Claim. (Cl. 250-17.)



In a high speed radio telegraphic transmitting system the combination of a source of sustained oscillations, apparatus for magnetically controlling the radiation of energy from an antenna system, a telegraph wire, means for recording an extended series of signal characters on said wire at a given speed and frequency, means for reproducing said signal characters at an increased speed and frequency, and a circuit for amplifying and rectifying the signal energy whereby a direct current variation affects said magnetic control apparatus in accordance with the signal characters on said telegraph wire.

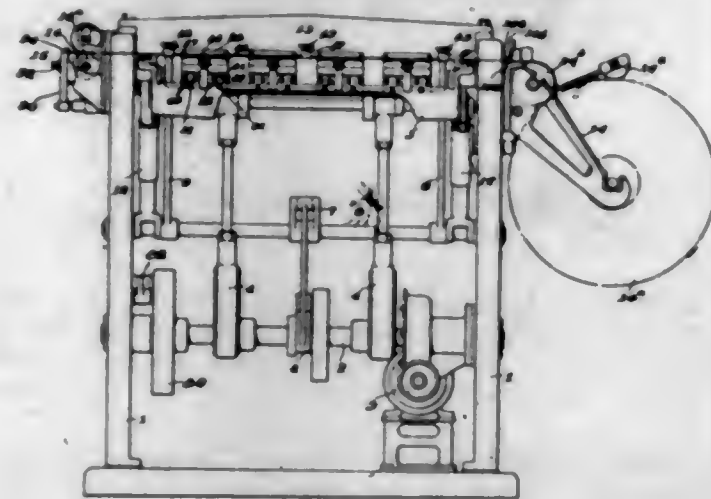
1,518,657. TRAIN CONTROL. HOWARD JACKSON, Omaha, Nebr. Filed Oct. 13, 1922. Serial No. 594,300. 1 Claim. (Cl. 246-157.)



A train stop of the class described comprising a valve, a yoke connected with the casing thereof, a rod guided in the yoke and connected with the valve, a spring on the rod for moving the same to close the valve, a lock-

ing pin for holding the rod in its outward position and slidable through one end of the yoke and at right angles to the rod, a solenoid for moving the locking pin to releasing position, a battery connected with the solenoid, the solenoid being grounded on the engine frame, an insulated contact member carried by the engine and connected with the battery, a plate located on the track for engaging said contact member, a conductor connecting the plate with one rail of the track and a conductor connecting the other rail of the track with a rail in the next block.

1,518,658. PRINTING PRESS. RAPHAEL JACORUCCI, Providence, R. I. Filed Nov. 1, 1922. Serial No. 598,407. 11 Claims. (Cl. 101-199.)



1. A printing press comprising a frame, a head fixed on said frame carrying a plurality of downward facing platens, a type bed carrying chase bases, means for leveling said chase bases with respect to type bed, paper guides interposed between adjacent platens and carried by the head, inking devices, means for operating the type bed and inking devices, and means for feeding the paper intermittently substantially as specified.

1,518,659. GUIDE. WILLIAM K. JOHNSON, Wichita, Kans. Filed Apr. 16, 1924. Serial No. 700,975. 2 Claims. (Cl. 112-139.)

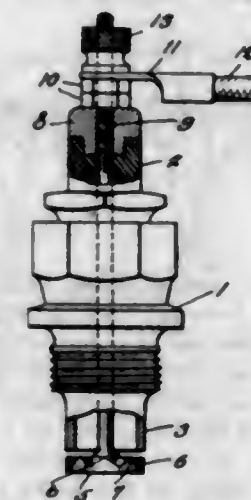


1. An attachment for sewing machines comprising a plate provided with oppositely disposed substantially V-shaped notches with their axes parallel to the line of feed, said plate having a looped part for engaging a prong of the foot of the sewing machine, and guiding means arranged in advance of the V-shaped notched portions and parallel to the line of feed whereby a material passing through is automatically centered with respect to the needle.

1,518,660. SPARK PLUG. WILLIAM R. KRESS, Baltimore, Md. Filed Oct. 24, 1923. Serial No. 670,426. 4 Claims. (Cl. 123-169.)

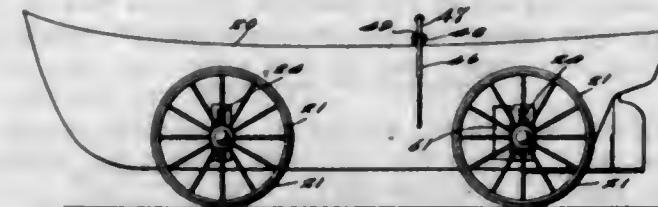
1. In a spark plug the combination with a tubular electrode, of an adjustable electrode extending there-through and insulated therefrom, and a terminal disk-like

head on the adjustable electrode lapping but spaced from the end of the tubular electrode, there being radial drain grooves in said head, said grooves being formed on the



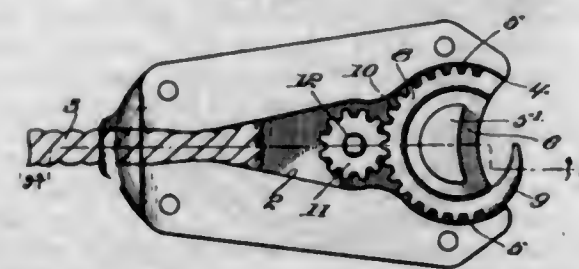
side adjacent to the tubular electrode and extending from adjacent the center of the head to the periphery and gradually widening and deepening from the center outward.

1,518,661. TOY VEHICLE. WILLIAM O. MCELROY, Jr., and JOSEPH F. TROPEA, Riveredge, N. J. Filed Aug. 27, 1923. Serial No. 659,645. 3 Claims. (Cl. 208-41.)



1. A toy vehicle comprising a body, wheel supported axles including a driving axle for supporting the body, means whereby the driving axle may be operated, means whereby the direction of travel of the vehicle may be controlled, and eccentric means mounted upon the driving axle whereby operation of the latter will impart a lateral rocking movement to the body.

1,518,662. BUTT HOOK. JAMES R. MCKAMEY and ROBERT N. MCKAMEY, Ashland, Oreg. Filed Mar. 15, 1924. Serial No. 699,605. 2 Claims. (Cl. 294-82.)

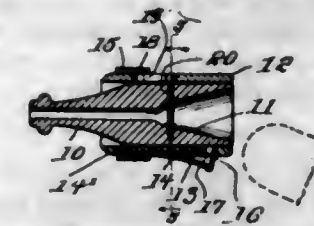


1. In a device for the purpose set forth, a body having a passage therethrough and a concaved mouth at one end thereof, a crescent-shaped bolt in the body at the said mouth thereof, a split ring having one of its ends formed with a hook loosely arranged around the bolt, said ring having its outer edge toothed, and a toothed roller revoluble in the body meshing with the teeth of the ring.

1,518,663. CIGAR HOLDER. GEORGE D. MARTIN, Middleport, N. Y. Filed Feb. 1, 1924. Serial No. 689,987. 3 Claims. (Cl. 151-10.)

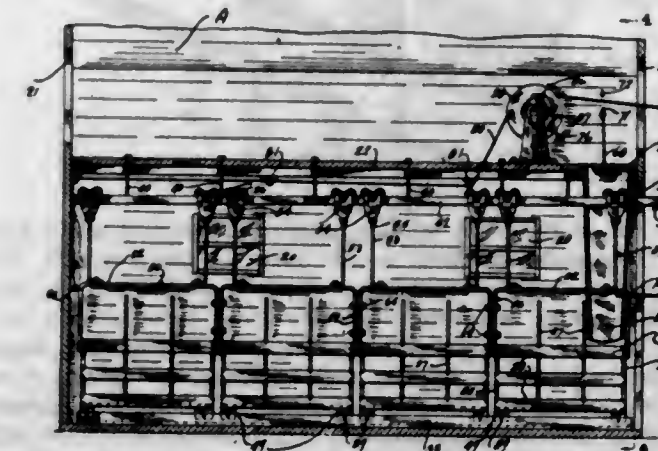
1. In a cigar holder, a mouth piece having a cigar receiving socket in one end thereof, a sleeve mounted upon and surrounding the mouth piece, a plurality of longitudinally disposed recesses in said sleeve, spring arms lo-

cated within the recesses, an annulus secured around the inner end of the sleeve and attached to the inner ends of the arms, said sleeve having openings therein at the



outer ends of the recesses, penetrating points at the free ends of the spring arms and extending through the openings and a ring surrounding the sleeve and slidable over the spring arms.

1,518,664. STOCK-FEEDING APPARATUS. LUCIUS R. MARYOTT, Roberts, Mont. Filed Nov. 2, 1921. Serial No. 512,212. 4 Claims. (Cl. 119-16.)

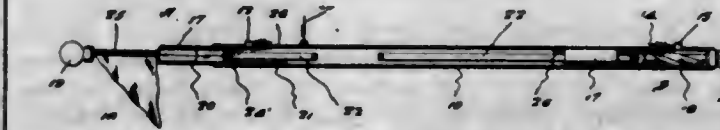


1. In a device of the class described, the combination with an enclosure having stalls therein, of an overhead trackway in front of said stalls, a ground trackway in alignment immediately below said overhead trackway, mangers having certain portions projecting to engage said ground trackway, means swivelly connecting said mangers to said overhead trackway, and means for moving said mangers over said trackways to position them in any desired location.

1,518,665. VAT DYESTUFF DERIVED FROM ANTHRAQUINONE AND PROCESS OF MAKING SAME. BERTRAM MAYER, WILHELM MOSER, and JAKOB WÜGLER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed May 25, 1923. Serial No. 641,508. 10 Claims. (Cl. 260-29.)

1. The herein described process for the manufacture of new vat dyestuffs derived from anthraquinone, consisting in condensing the derivatives of betanaphthoquinone containing mobile substituents with 1 molecular proportion of an orthodiaminoanthraquinone, then causing the compound thus formed to react with an alphaaminoanthraquinone.

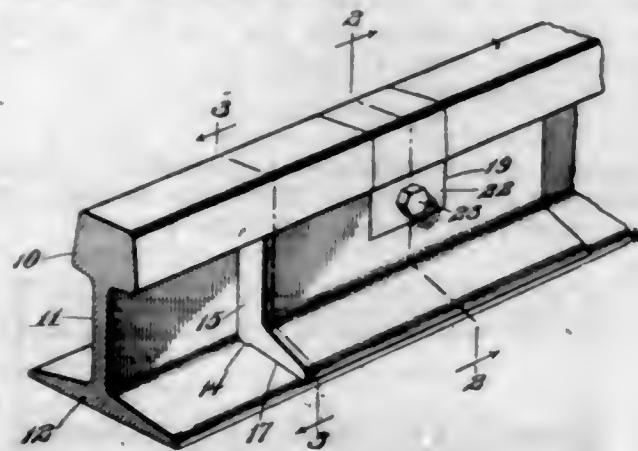
1,518,666. TRAFFIC SIGNAL. FRED EDWARD MILLER, Wenatchee, Wash. Filed Apr. 15, 1922. Serial No. 553,023. 1 Claim. (Cl. 116-50.)



A device of the character described comprising a casing, having a longitudinal slot therein, a standard longitudinally movable within the casing and normally received therein, a signal carried thereby, rack teeth upon one face of the standard, rack teeth upon the inner face

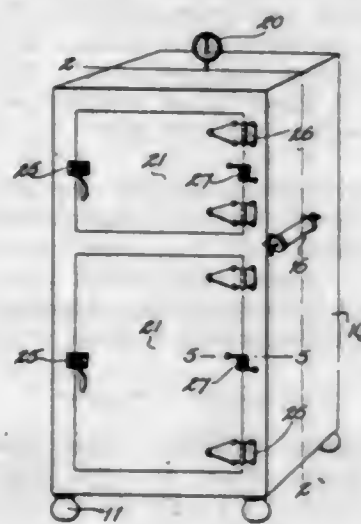
of the casing and opposed to the first mentioned rack teeth, and a manually operable longitudinally movable bifurcated bar in the casing, a pinion journaled between the bifurcated parts of the bar and meshing with the rack teeth and capable of longitudinal movement within the casing and an operating member connected with the bar and projecting through the slot.

1,518,667. RAIL JOINT. TIM KNOX MILLER, South Bend, Ind. Filed May 20, 1924. Serial No. 714,602. 5 Claims. (Cl. 238-224.)



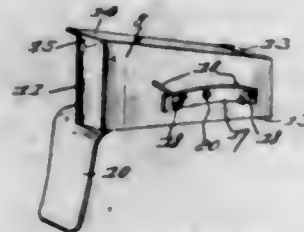
1. In combination with a pair of adjoining rails having their ends notched to cut back the head and a portion of the web thereof from the end of the rail, a pair of fish plates abutting opposite side faces of the rail and having means engaging the rail preventing longitudinal separation of the rail sections, a locking piece corresponding in shaping to the rail having a length equal to the distance between adjacent ends of the rail heads and provided upon its under surface with a flange extending downwardly and resting upon the webs of the adjoining ends of the rails at the base of the notches thereof when the upper surface of the locking piece is flush with the head of the rail, and means extending through said fish plates and locking piece for securing the locking piece and fish plates against movement with relation to one another.

1,518,668. REFRIGERATOR. JOHN D. MITCHELL, New Albany, Ind. Filed Dec. 15, 1923. Serial No. 680,973. 2 Claims. (Cl. 220-9.)



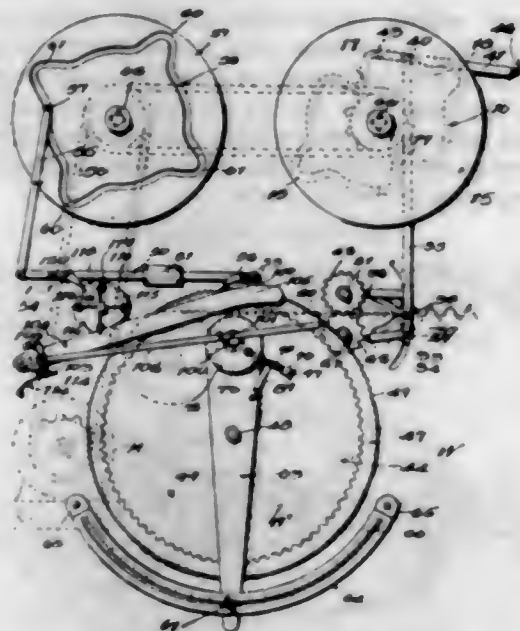
1. A refrigerator comprising a body formed of spaced walls defining a continuous space extending throughout the sides, top, back and bottom, the front being formed with openings, doors hinged upon the front for closing said openings, the doors being of hollow construction, and means establishing communication between the interiors of the doors and the hollow wall of the body, said means comprising helical coils of tubular formation having their ends extending into the doors and the hollow wall of the body.

1,518,669. INTAKE-MANIFOLD SHIELD. MAURICE B. NASH, West Point, Miss. Filed Mar. 24, 1921. Serial No. 455,291. 3 Claims. (Cl. 257-241.)



1. A shield, for use with the exhaust pipe and intake manifold of an internal combustion engine, consisting of a one-piece sheet metal member having a vertical end wall adapted to be arranged in front of the front ends of said pipe and manifold, a vertical front wall arranged at an angle to the end wall and of a length substantially half the length of the manifold, adapted to extend over the exposed sides of the front portions only of said pipe and manifold and provided with a rearwardly and inwardly extending vertical flap adapted to direct heated air from the shield along that portion of the manifold which is not covered by the shield, horizontal top and bottom walls integral with the front wall and adapted to be arranged above and below said pipe and manifold, and a substantially flat vertically disposed apron integral with said bottom wall and extending downwardly from said bottom wall and adapted to prevent cold air from contacting with the front surface of the depending leg of the manifold, the rear end of the shield being open to permit the free escape of heated air.

1,518,670. PLAITING MACHINE. MAX NOEL, Washington, D. C. Filed Feb. 21, 1923. Serial No. 620,551. 20 Claims. (Cl. 223-39.)

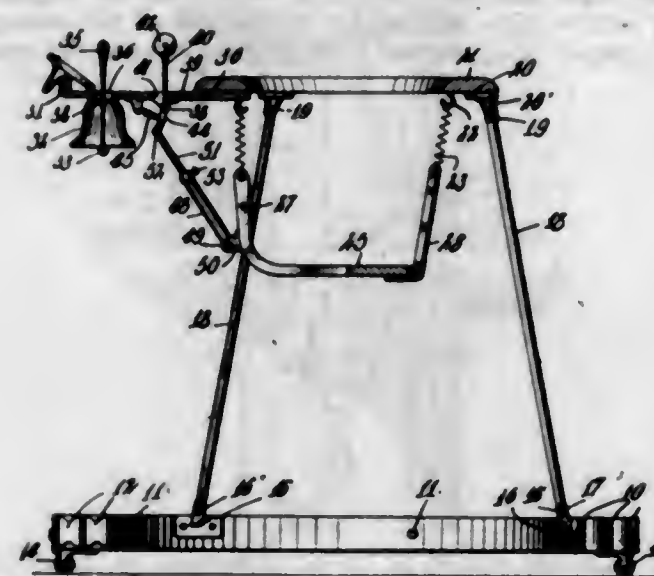


1. In a device of the character described, a pair of stationary members, each having an arcuate surface and said members being arranged parallel and spaced suitably for feeding a sheet of paper therebetween, and a pair of connected rollers adapted to move over the arcuate faces of said stationary members and transversely crimp the paper passing therebetween.

1,518,671. BABY JUMPER AND AMUSER. STANLEY NOVINSKY, Brazenell, Pa. Filed June 3, 1924. Serial No. 717,474. 2 Claims. (Cl. 155-24.)

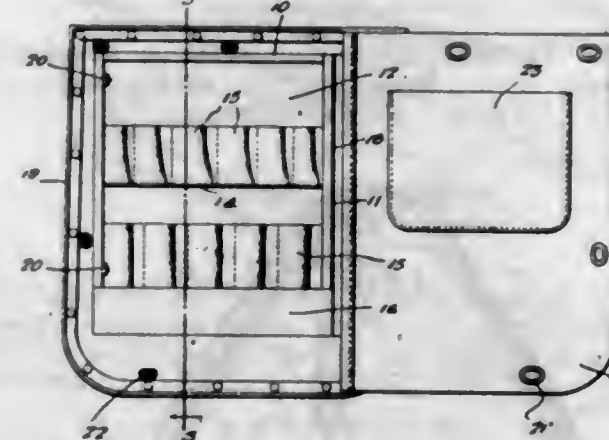
1. A device of the class described comprising a base, a number of legs projecting upward therefrom, a flat ring supported on the upper ends of said legs, a seat resiliently suspended from said ring, a table extending

from the front side of said ring, and a number of bell elements mounted on said table and adapted to be operated by vertical movement of said seat, clappers for said bells having upwardly projected handles, a bail-like



rod pivotally mounted on the table and adapted when swung to engage said handles to operate the clappers, and a connection between said rod and the seat whereby vertical movement of the seat causes the said rod to swing.

1,518,672. TOOL KIT. MICHAEL JAMES O'CONNELL, Freeport, Ill. Filed Nov. 29, 1921. Serial No. 518,653. 1 Claim. (Cl. 206-44.)

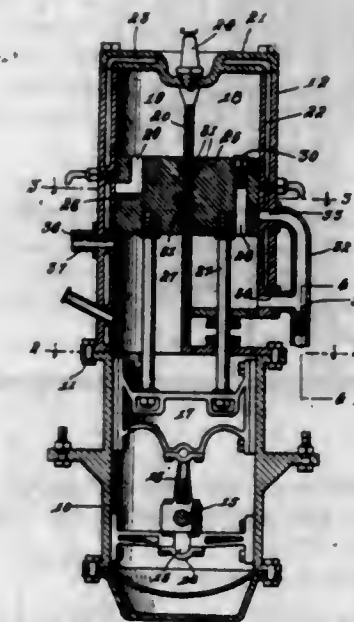


The combination with an automobile door having an opening therein, of a tool kit wholly positioned within the opening and comprising a rectangular frame, a piece of flexible material arranged at one side of the frame and constituting a rear wall thereof, the marginal edges of said wall being folded over the adjacent sides and end of the frame and secured thereto, fastening elements holding the frame in the recess in such manner as to clamp the marginal edges of the flexible wall between the sides and ends of the frame and side walls of the recess, flexible strips arranged transversely of said rear wall and stitched along one longitudinal edge thereof, said strip being also stitched along spaced vertical lines to define a plurality of pockets, an additional transverse member of flexible material secured to the opposite side of the frame and arranged transversely thereof adjacent the bottom to define an additional pocket, and a closure for said kit, hinged upon the door frame.

1,518,673. ENGINE. PRINCE ALBERT PEARCE, Norris City, Ill. Filed Apr. 12, 1924. Serial No. 706,155. 5 Claims. (Cl. 123-53.)

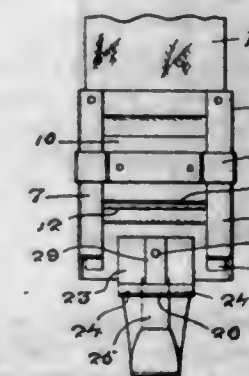
4. In an internal combustion engine, a pair of similar cylinders, a division wall separating the cylinders and terminating short of the ends thereof, a head, an ignition

device extending through the head at a point opposite the division wall, one cylinder having upper and lower intake ports and the other having a single exhaust port, pistons slidable within said cylinders and one having a valved transfer passage and the other having an ex-



haust passage adapted to register with said exhaust port, and means connecting the pistons for simultaneous movement, including a slide, rods connected with the slide and the pistons, and a crank shaft having a crank portion connected with the slide.

1,518,674. BUCKLE. LESLIE POE, Cleveland, Miss. Filed Aug. 6, 1923. Serial No. 655,960. 3 Claims. (Cl. 54-55.)

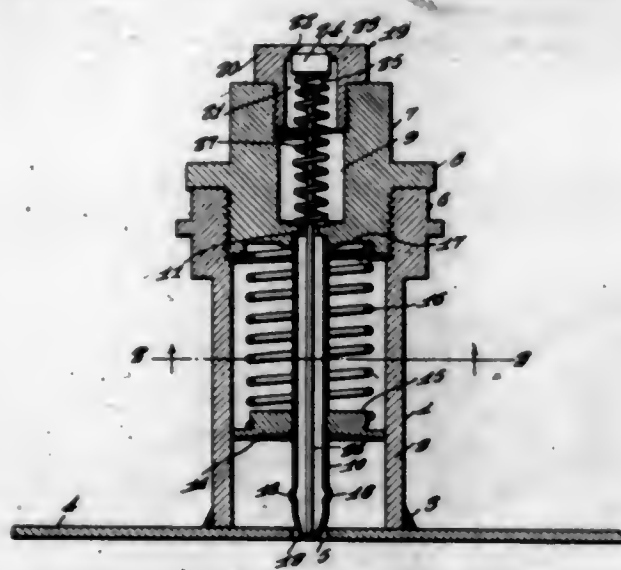


1. A buckle comprising a body provided with longitudinally inclined guides at opposite sides thereof and further provided with a pair of slots, a wedge element slidable in the guides adapted to co-act with the body in holding the flexible element therebetween and a pair of guides carried by the wedging element and embracing the guides in the body.

1,518,675. OIL CUP. SAM S. RUNDELL, Bogalusa, La., assignor of forty-nine one-hundredths to H. J. Cowgill and J. H. Slaughter, both of Bogalusa, La. Filed Apr. 10, 1924. Serial No. 705,580. 2 Claims. (Cl. 184-45.)

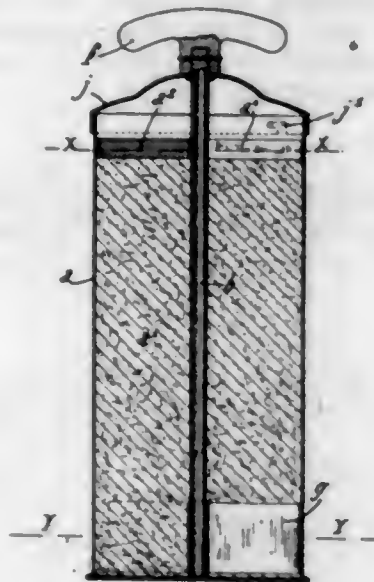
1. In a device of the class described, a casing having an inner chamber for heavy grease, and an outer chamber

for light grease, a discharge member communicating with the outer chamber and extended through the inner cham-



ber, a plunger slidable in the inner chamber and on the discharge member, and spring means for advancing the plunger.

1,518,676. APPARATUS FOR DISTRIBUTING PASTY SOAP. JEAN SERRE, Le Bouscat-Bordeaux, France. Filed July 3, 1923. Serial No. 649,240. 5 Claims. (Cl. 46-60.)

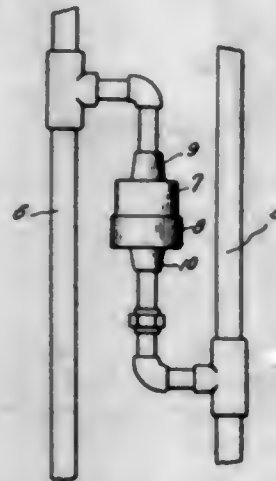


1. Apparatus for distributing pasty or plastic soap, which comprises a receptacle for the soap, a slot formed in the bottom of the receptacle, an inclined flange or cutting edge at one side of said slot, blades in the bottom of the receptacle, means to maintain paste filled between the blades from the column thereabove in contact with the bottom of the receptacle and edge, and means to rotate the blades.

1,518,677. APPLICATION-CYLINDER AIR-RELEASE VALVE FOR AIR-BRAKE EQUIPMENT. FRANK F. SEWELL, Parkersburg, W. Va. Filed Jan. 2, 1924. Serial No. 684,009. 1 Claim. (Cl. 303-1.)

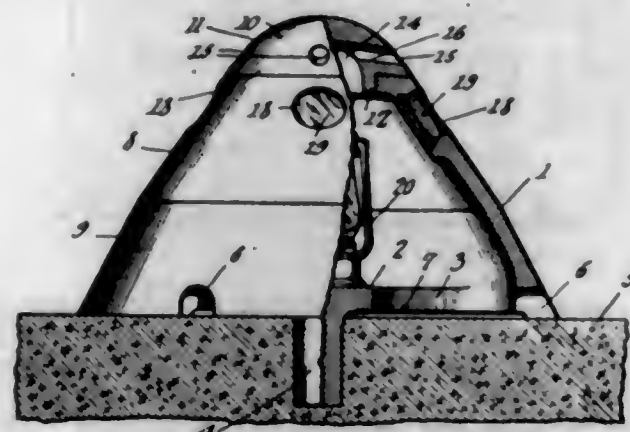
An air release valve for air brake equipment, wherein the air brake equipment includes a distributing valve mechanism, the application cylinder of which is in open communication with the distributing valve release pipe, when said equipment is in running position, and wherein the equalizing slide valve creeps and closes the original passage, and effects a partial application of the brake; comprising a valve housing having pipe connec-

tions at opposite ends with the application cylinder and distributing valve release pipe respectively, a plunger mounted in the body for reciprocating movement having a concave face on one end thereof, and a projection on the other end formed with a valve head for engagement with a valve seat formed in the end of the casing, said plunger being formed with slots to permit the pas-



sage of air through the casing, and means for normally holding the valve head off of the seat, whereby a predetermined small amount of air pressure is permitted to pass through the casing from the application cylinder to the distributing valve release pipe, to prevent creeping of the distributing valve, and a greater air pressure operates the plunger in the casing, to close the passage therethrough.

1,518,678. TRAFFIC SIGNAL. GEORGE E. SOVEREIGN, Plainfield, N. J. Filed Apr. 16, 1921. Serial No. 461,771. 1 Claim. (Cl. 240-1.)

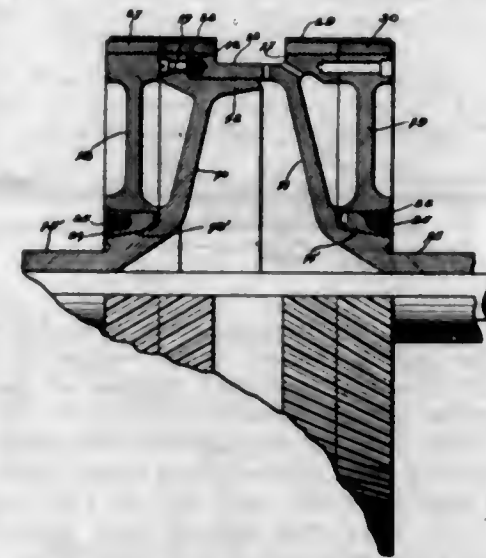


A traffic signal comprising a casing including a tapered body having a base in the form of a spider provided with openings, the body being provided in its lower edge with openings communicating with the openings in the spider, and the spider being provided with a depending stem, the body being supplied with an opening for the passage of light; and a closure seated detachably on the body, the closure having a ventilating opening.

1,518,679. PROCESS FOR FINISHING GEAR TEETH. ROBERT C. ALLEN, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed May 10, 1921, Serial No. 468,295. Divided and this application filed Dec. 6, 1922. Serial No. 605,265. 3 Claims. (Cl. 51-279.)

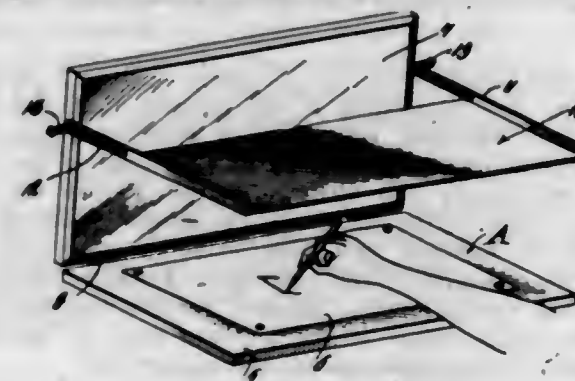
1. A process of making and finishing gears which consists in placing a plurality of gear blanks side by

side and in axial alignment, cutting thereon tooth portions running continuously across the blanks rotatively adjusting one cut blank with respect to another until



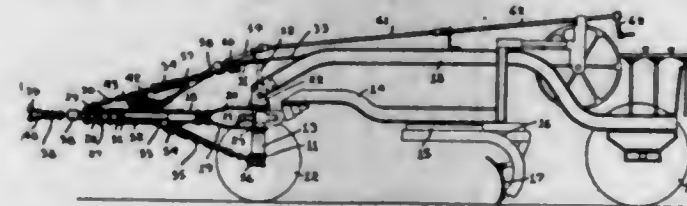
the point of maximum error is found, further relatively adjusting the blanks to average the error among the teeth, and finishing the gears while so adjusted.

1,518,680. REFLECTOGRAPH. WILLIAM D. ARNOT, Columbus, Ohio. Filed July 31, 1923. Serial No. 654,932. 2 Claims. (Cl. 88-1.)



1. In an amusement device, a drawing board, a mirror hinged to the board, and an eye shield adjustably carried by the mirror for sliding and swinging movement.

1,518,681. STEERING MECHANISM FOR ROAD GRADERS. FRANKLIN E. ARNDT, Gallon, Ohio, assignor to The Gallon Iron Works & Mfg. Co., Gallon, Ohio, a Corporation of Ohio. Filed Mar. 18, 1924. Serial No. 700,119. 9 Claims. (Cl. 280-97.)

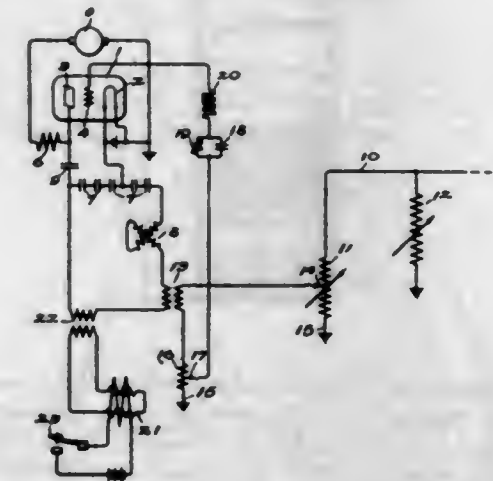


1. In a road grader having a front axle, steering wheels and a pivoted tongue, means for shifting the axle relative to the tongue including a rotatable member, a pair of longitudinally shiftable members operatively engaged by said rotatable member and simultaneously moving in opposite directions as the rotatable member is rotated in one or the other direction, connections extending from said members to opposite ends of the axle, and manually operable means for rotating said member.

9. A road grader having a front axle and a pivoted tongue, said tongue comprising upper and lower spaced plates, the rear ends of which are operatively connected to the axle for swinging movement in a horizontal plane

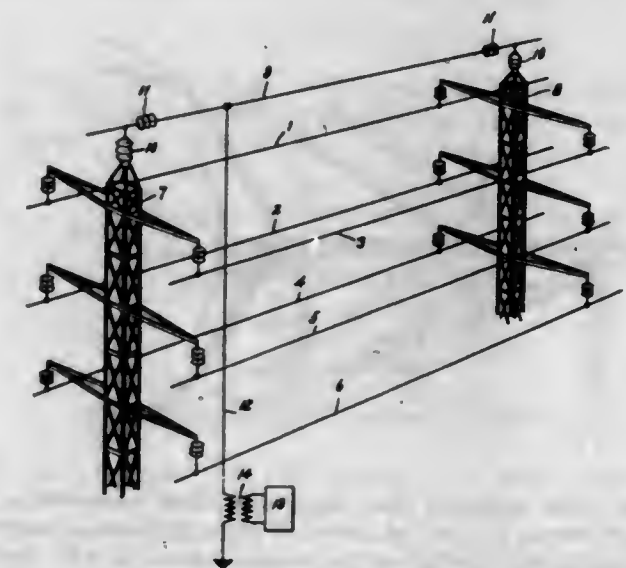
independently of the axle, angle irons attached to the margins of said plates and constituting upper and lower pairs of guides, a shaft passing through the plates, a pinion mounted upon the shaft, oppositely disposed rack bars having middle portions engaging said pinion, the margins of said rack bars being engaged by said angle irons and being guided thereby, the outer faces of the rack bars being provided with longitudinally extending ribs, the rear portions of which extend downward and outward in a direction toward the ends of the axle, operative connections between the ends of the axle and the rear ends of said ribs, and manually controlled means for rotating said shaft.

1,518,682. SIGNALING SYSTEM. WALTER R. G. BAKER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 6, 1923. Serial No. 673,189. 4 Claims. (Cl. 250-17.)



1. The combination of a vacuum tube generator of high frequency oscillations, a storage circuit to which high frequency oscillations are supplied, a radiating circuit which is supplied from said storage circuit and a direct connection from said radiating circuit to the grid of the vacuum tube.

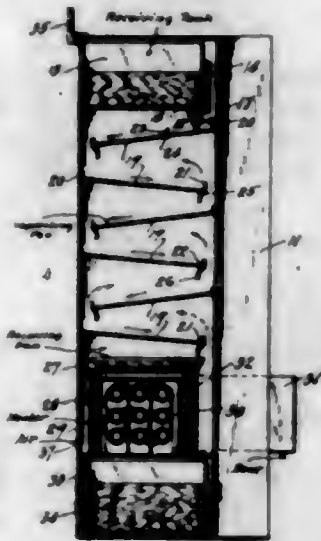
1,518,683. SIGNALING SYSTEM. WALTER R. G. BAKER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 6, 1923. Serial No. 673,190. 3 Claims. (Cl. 179-2.)



1. The combination in a high frequency signaling system of a high potential electrical transmission line supported above the earth, a grounded conductor supported

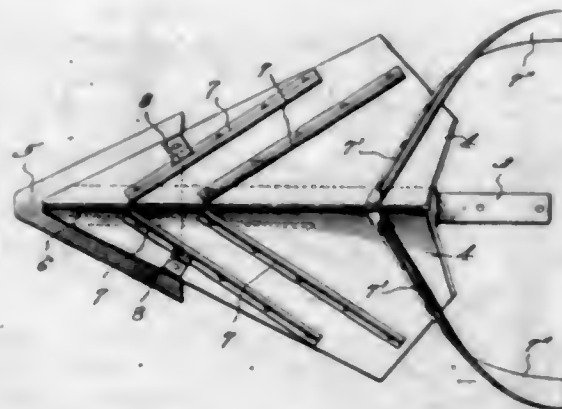
above said transmission line and parallel thereto for protective purposes, a pair of insulating joints in said grounded conductor whereby a comparatively short section thereof is insulated from the remainder, and means for impressing high frequency signaling currents on the insulated section.

1,518,684. APPARATUS FOR RECLAIMING WASTE LUBRICATING OILS. Louis BERGE, Sterling, Colo. Filed Feb. 15, 1922. Serial No. 538,767. 3 Claims. (Cl. 196-18.)



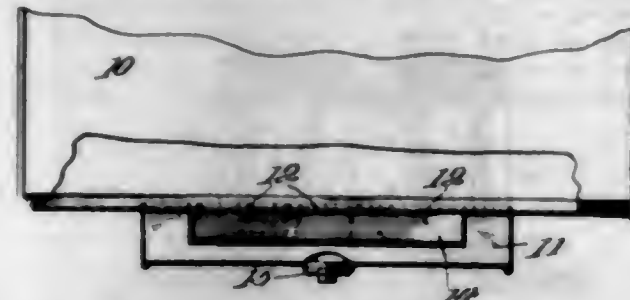
2. An apparatus for reclaiming refuse oils comprising an exterior casing, an oil receiving tank disposed in the upper portion of the casing and having a valved, downwardly discharging outlet, a series of downwardly inclined evaporating pans disposed below the tank and discharging one onto another, means for causing the oil discharged from one evaporating pan to drip in a plurality of streams upon the pan below, means upon the first pan of the series for distributing the oil discharged onto said pan from the tank, a receiving pan at the lower end of the casing, and heating means disposed at the lower end of the casing, and a tank disposed below the heating means into which the receiving pan discharges, the lower end of the casing being provided with an air inlet adjacent the heater.

1,518,685. SNOWPLOW. JOHN BRZIK, Daisytown, Pa. Filed Feb. 19, 1923. Serial No. 620,026. 2 Claims. (Cl. 37-30.)



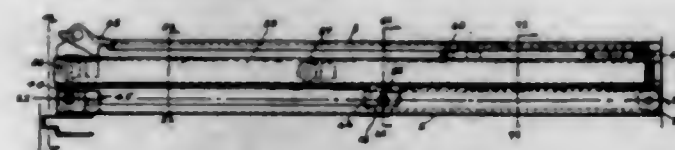
1. A snow plow of the class described comprising a wheeled frame, a plow of inverted V-shape in cross section attached to the frame, a horizontal blade at the front end of the plow and connected with the bottom thereof, said blade projecting beyond the edges of the plow, upright blades connected with the lower side edges of the plow at the rear of the horizontal blade, and deflecting wings on the sloping sides of the plow.

1,518,686. GASOLINE TANK. JOHN E. BLAND, Ardmore, Okla. Filed Nov. 16, 1922. Serial No. 601,284. 1 Claim. (Cl. 210-57.)



A gasoline tank comprising a main tank having an opening in the bottom thereof, baffles connected to the exterior of the tank and connected together at the ends, one of the baffles located adjacent one side of the opening and the other baffle on the opposite side, said baffles extending obliquely from the tank and toward each other and over the opening in the tank, and an auxiliary tank connected to the main tank beneath said opening and baffles to receive the sediment of the main tank.

1,518,687. ROLLER SUSPENSION. RAYMOND G. BULLOCK, Baltimore, Md. Filed June 16, 1920. Serial No. 389,502. 4 Claims. (Cl. 45-77.)



1. A roller suspension for a drawer, having a stationary guide, channel shaped at the bottom, a single floating member therefor, said floating member being wide and channel shaped at the top and bottom at the rear and being narrow and channel shaped at the top and having a flange at the bottom in the forward portion, the flange of the forward part being elevated above the bottom of the channel of the rear part, a roller located in the bottom channel about midway of the floating member, the bottom flange of the forward part of the floating member being raised above the said roller.

1,518,688. CONDENSER. JOHN M. CAGE, Santa Monica, Calif. Filed Sept. 26, 1921. Serial No. 503,342. 4 Claims. (Cl. 250-41.)

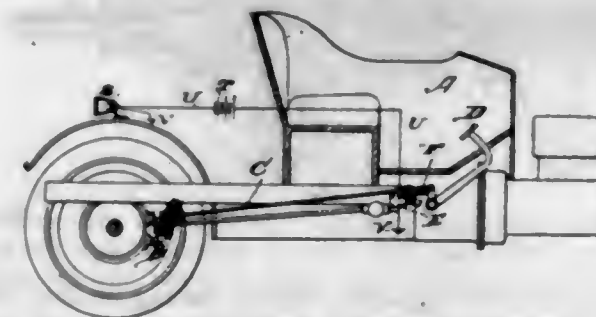


1. A condenser embodying a container, a dielectric tube therein, a resilient conductor plate inside the tube springing out against it, a resilient conductor plate outside the tube resiliently clamping it, and a filling for the container of dielectric material which is adhesive to the tube and plates and solid at ordinary temperatures to support them in the container.

1,518,689. CHOLINE COMPOUND HAVING LAXATIVE PROPERTIES. JURGEN CALLSEN, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Feb. 14, 1924. Serial No. 692,883. 2 Claims. (Cl. 260-127.)

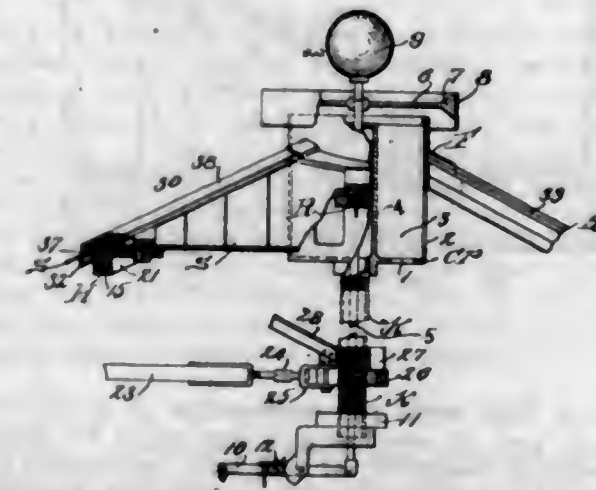
1. As new products, choline compounds in which the hydrogen of the hydroxyethyl group of choline and its derivatives is replaced by a hydroxyalkyl radicle, the salts of said compounds being whitish crystalline materials soluble in water and alcohol and valuable laxatives capable of subcutaneous injection.

1,518,690. REAR-END SIGNALING DEVICE FOR MOTOR-DRIVEN VEHICLES. WILLIAM H. CASHIN, Detroit, Mich. Filed Apr. 25, 1921. Serial No. 464,283. 2 Claims. (Cl. 200-59.)



1. A signal for motor vehicles comprising a casing, a guide member supported within the casing but insulated therefrom and having openings therein, a spring actuated bolt normally closing the circuit slidably mounted in the openings in the guide member and projected beyond one end of the casing, a swinging arm pivoted to one of the terminals of the switch and having an operable connection with the sliding bolt, a binding post, a second terminal comprising a substantially wedged shaped contact spring secured to the post and having a bifurcated free end adapted to straddle the post, and means on the brake rod of the vehicle for engaging the slidable bolt to open the circuit.

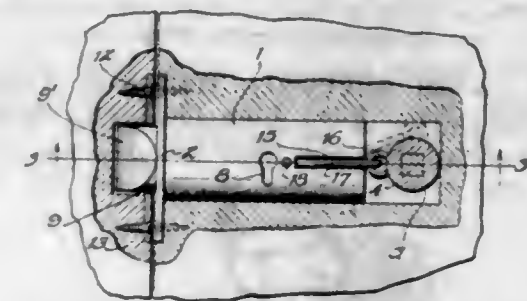
1,518,691. ROOF VENTILATOR. DAVID CRAIG, Peabody, Mass., assignor of one-half to Charles H. Lovsey, Pittsburgh, Pa. Original application filed Feb. 13, 1910. Serial No. 276,790. Divided and this application filed Aug. 9, 1922. Serial No. 580,630. 6 Claims. (Cl. 98-27.)



1. In roof construction the combination with a cup-like metal member open at the top, of hypotenuse rafters having flange portions fitting around the upper portion of the cup, said cup having lateral ventilation apertures formed therein immediately beneath the point of engagement by the rafters, whereby the cup member provides a connecting support for the rafters, and a central ventilation outlet communicating with the normally dead air space immediately beneath the rafters.

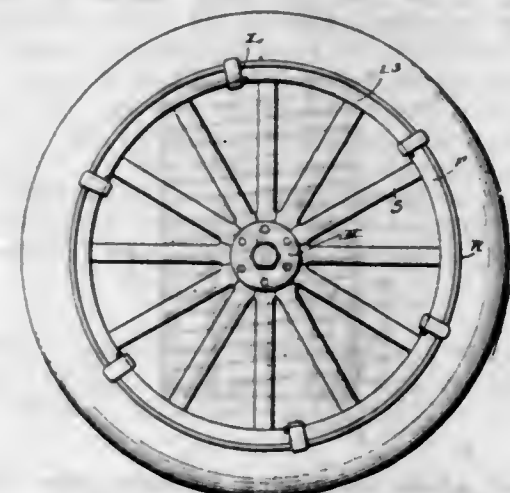
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1,518,692. LOCK. LE ROY GARRY CURTIS, Everett, Wash. Filed Dec. 14, 1923. Serial No. 680,695. 4 Claims. (Cl. 70-29.)



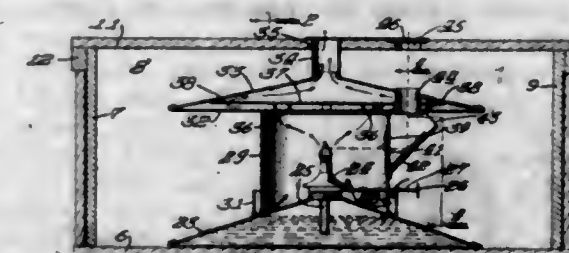
1. A lock having a cylindrical casing which is slotted, a bolt slidable in the casing, a ball having angle ends connected to the bolt and entering the slots of the casing, a revoluble element connected to the ball, and spring means surrounding the ball contacting the casing and the angle arms of the ball.

1,518,693. LOCKING MEANS FOR RIMS. ISAURO VICIRA DA SILVEIRA, Fallon, Nev. Filed June 16, 1922. Serial No. 568,755. 4 Claims. (Cl. 152-21.)



1. A locking device for clincher rings comprising a locking member adapted to be connected to a wheel felly whereby to be swung inwardly for engaging a clincher ring upon the felly, a projection carried by the locking member adapted to extend into a recess formed in the felly, and means within the recess of said felly adapted to engage the projection of the locking member when in its last-named position and hold said locking member against return movement.

1,518,694. BROODER. FRANKLIN C. HARE, Rockford, Ill. Filed Mar. 7, 1922. Serial No. 541,788. 11 Claims. (Cl. 119-32.)



1. In a brooder, the combination of a casing providing a hover, a liquid fuel container therein, an upright annular retaining wall on the top wall of said fuel container, an annular apron supported on said top wall spaced within said retaining wall and having an opening for the ingress of air, a wick burner supported on the container within said apron, a heater hood supported on said apron and having a chimney through the top of the hover casing, said heater hood over-reaching

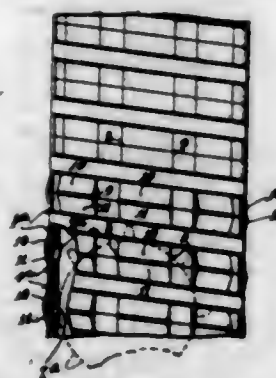
the apron and having means for causing the heated air rising from the space within the apron to travel outwardly in the hood beyond said apron before reaching the chimney.

1,518,695. ARCH SUPPORT. GEORGE H. JUNG, Jr., Cincinnati, Ohio. Filed June 18, 1924. Serial No. 720,867. 6 Claims. (Cl. 36-71.)



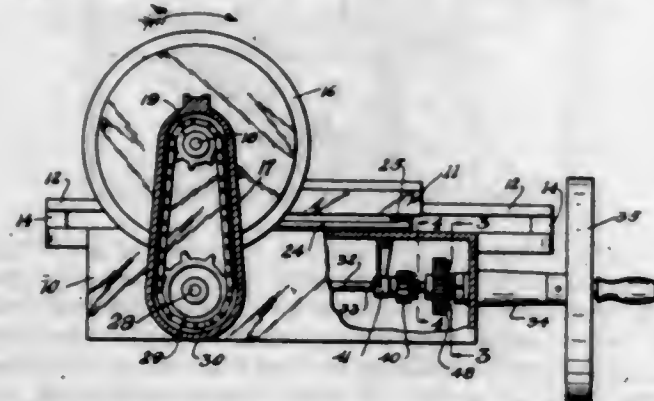
1. In a device of the class described the combination with an endless elastic band of a pad holder comprising a pocket like structure having openings along two opposite edges thereof, the band passing through said openings and being secured centrally of the inner wall of one of the sides of the pad holder and a pad insertible in the pad holder through one of the openings therein.

1,518,696. WELL SCREEN. MAHLON E. LAYNE, Houston, Tex. Filed Apr. 19, 1923. Serial No. 633,082. 7 Claims. (Cl. 166-5.)



1. A well screen comprising an inner pipe having a plurality of longitudinal rows of relatively spaced perforations in its wall, and an outer pipe formed of a metal ribbon having beveled edges and wound spirally around the inner pipe coil on coil with the beveled edges in overlapping relation, one edge of the ribbon being split longitudinally of the pipe on opposite sides of each perforation with the intermediate portions bent outwardly to form openings in the outer pipe communicating with the perforations of the inner pipe and to provide tongues overlying said perforations.

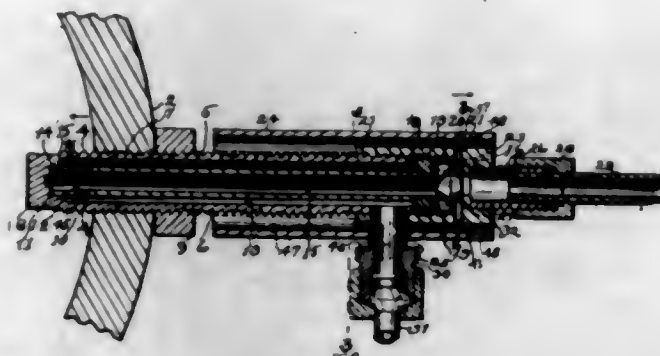
1,518,697. SLICING MACHINE. PATRICK J. LUCEY, Chicago, Ill., assignor to Lucey Slicing Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1922. Serial No. 540,801. 16 Claims. (Cl. 146-102.)



1. In a machine of the character described, in combination, a rotatable knife, driving means for said knife, said means being movable in opposite directions and means

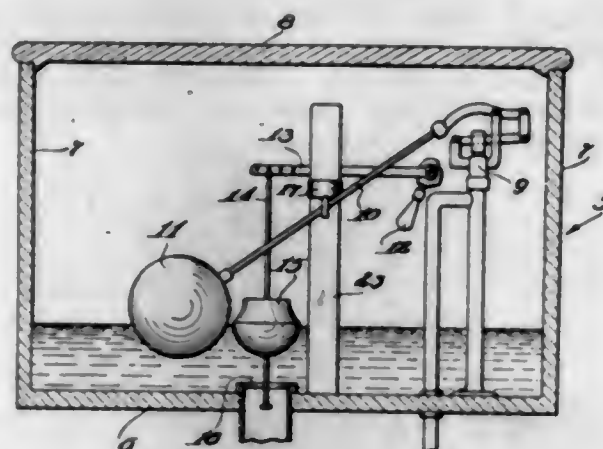
associated with said driving means, and knife for rotating said knife in only one direction irrespective of the direction of movement of said driving means.

1,518,698. MOISTURE INJECTOR. KARL V. NILSON, Chicago, Ill., assignor to David N. Aronson, Helge A. Christenson, and Lawrence Thomsen, all of Chicago, Ill. Filed Dec. 27, 1920. Serial No. 433,222. 1 Claim. (Cl. 123-25.)



An injector for explosion engines having sinuous passages therewithin extending from end to end of said injector, one end of the latter adapted to be exposed to the gases of combustion within an engine exhaust pipe, said passages having an inlet exposed to the heated air radiating from the exterior of said exhaust pipe, a valve within said injector arranged to control a flow through said passages, and a valve-seat for said valve which is movable toward and from said valve by the expansion and contraction of the body of said injector.

1,518,699. FLUSH TANK. SARAH E. NOLOP, Venice, Calif. Filed Feb. 19, 1924. Serial No. 693,758. 3 Claims. (Cl. 137-104.)

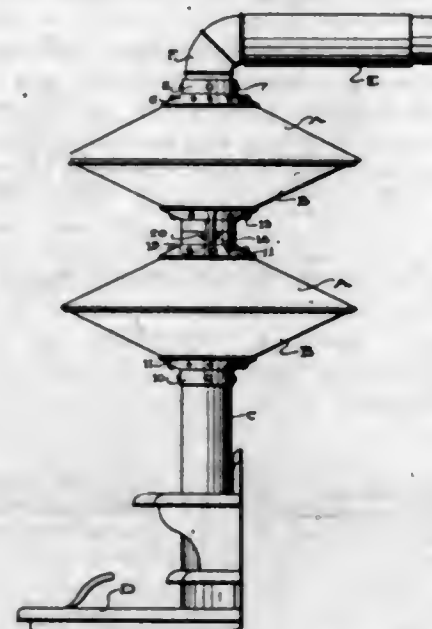


3. In a flush tank, the combination of a float ball having an arm, an overflow pipe and means for limiting the downward movement of said ball, said means comprising a band provided with a hook and adjustably secured to said overflow pipe, said hook being adapted to engage the arm of said float ball.

1,518,700. RADIATOR. FRED C. OTTO, Worcester, Mass. Filed Apr. 15, 1921. Serial No. 461,506. 6 Claims. (Cl. 257-173.)

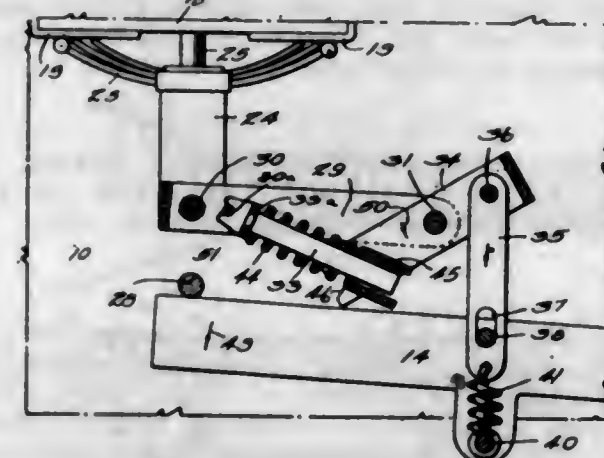
3. A coupling for radiator sections consisting of a pair of tubular portions formed with flaring collars for

attachment to the radiator sections and having their edges brought together, a series of circumferentially



spaced lugs respectively inclining upwardly and downwardly and abutting one against the other, and bolts engaging the pairs of lugs and clamping them together.

1,518,701. QUICK-ACTING SWITCH MECHANISM. RALPH PENN, Des Moines, Iowa. Filed Dec. 10, 1923. Serial No. 679,668. 7 Claims. (Cl. 200-67.)

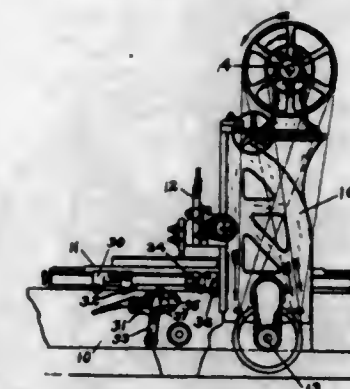


1. In a switch structure, a fixed contact member, a movable contact member, an actuating mechanism for operating said movable contact member including a spring adapted to be tensioned when the actuating mechanism is operated, an operating member, means for operatively connecting the operating member and said actuating mechanism, said means including a link fixed to the actuating mechanism at one end and loosely fixed to the operating member at its other end and a spring for jerking the link to one limit of its movement when the tension on the spring of the actuating mechanism is about to reach its limit of tension.

1,518,702. CUT-SPEED-ACCELERATING DEVICE. ALBERT M. POWELL, Shrewsbury, Mass. Filed Aug. 6, 1921. Serial No. 490,231. 5 Claims. (Cl. 90-48.)

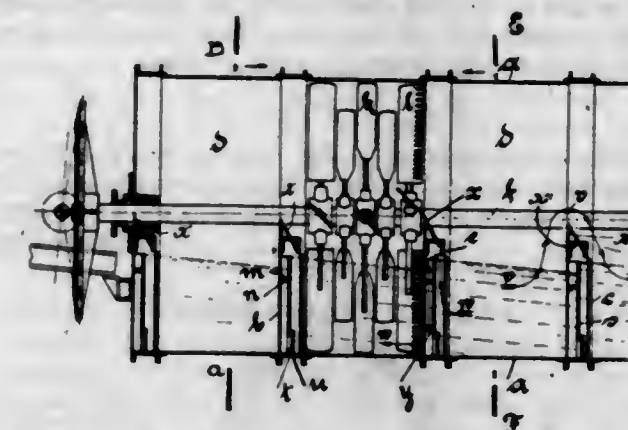
5. In a machine of the character described, the combination of a frame, a reciprocating table thereon for carrying the work, a countershaft constantly driven in a single direction, a driving shaft on the machine having means for moving the table forward or backward in accordance with the direction of rotation of said driving shaft, two tight pulleys on the countershaft, two pairs of tight and loose pulleys on the driving shaft for receiving rotation from the respective tight pulleys on the countershaft, an

open belt on one of said pairs of pulleys, and a cross belt on the other, a third pair of tight and loose pulleys on the driving shaft larger in diameter than said two pairs of tight and loose pulleys, a third wide-faced pulley on the countershaft, a drum keyed to the countershaft inside the third pulley, the third pulley being adapted to turn freely on the countershaft and having a hub having a circumferential series of ratchet teeth, and a ratchet pawl on the drum engaging in said teeth to permit the hub and the third pulley to turn freely in



the forward direction at the speed of the counter shaft or faster, whereby, when the belts on the first named countershaft pulleys are connected with the loose driving shaft pulleys, the driving shaft can be driven forward at a slow speed from the third pulley on the countershaft, and whereby, without shifting that belt, the other tight pulley on the countershaft can be connected with its tight pulley on the driving shaft to rotate the driving shaft immediately at a higher speed and rotate the third pulley on the countershaft forwardly at a higher speed without necessitating the shifting of the third belt.

1,518,703. LEACHING APPARATUS. WALTER RAABE, Cothen, Anhalt, Germany. Filed Apr. 20, 1921. Serial No. 463,044. 5 Claims. (Cl. 127-7.)

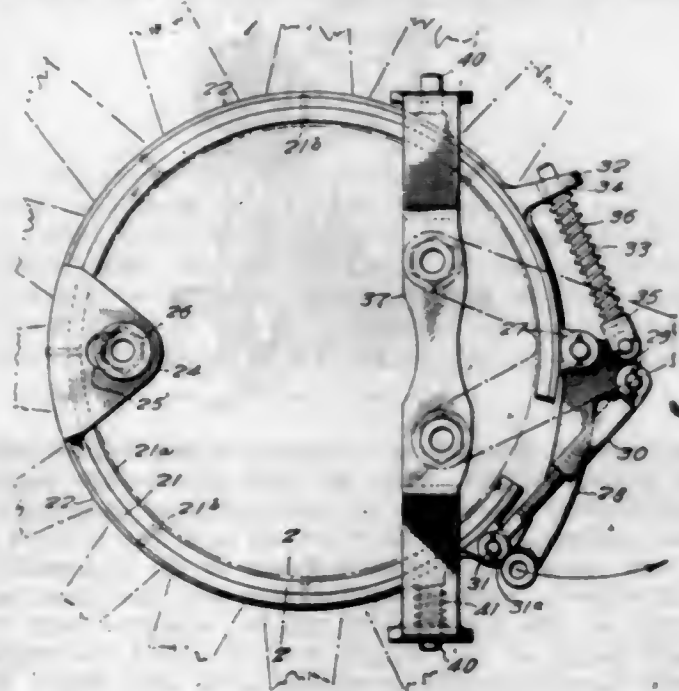


1. Leaching apparatus, comprising an inclined trough divided into a plurality of compartments by hollow partitions which extend upwardly from the bottom of said trough but terminate short of the top thereof so that said compartments intercommunicate over the tops of said partitions, and agitating and conveying means in said trough, each of said hollow partitions comprising two spaced vertical walls, one of which is relatively impermeable, having but a single large aperture adjacent its bottom and the other of which is perforated throughout, a roof, and an overflow wall within the partition spaced from the first mentioned walls with an overflow space between its upper edge and said roof.

1,518,704. VEHICLE BRAKE. COMMODORE D. RARICH, Wilkes-Barre, Pa. Filed Feb. 14, 1924. Serial No. 692,788. 4 Claims. (Cl. 188-77.)

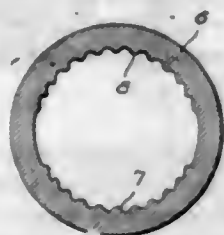
1. An external band brake for vehicles the driving wheels of which have a concentric annulus secured thereto, the vehicle having an axle structure including a stationary disk associated with the annulus, the sta-

tionary disk having an opening formed therein, comprising a split band surrounding the annulus and having its ends spaced, a connection between the ends of the band for constricting the same upon the annulus, a connection between the band and disk preventing rotation of the band with the annulus but permitting bodily shifting of the band in the plane of the annulus and in the general direction of its horizontal diameter, comprising a flange carried by said band centrally thereof



and having a portion confronting that portion of the prising a flange carried by said band centrally thereof said portion having an elongated opening formed therein, the elongation of the opening being upon the horizontal diameter of the band, a securing element directed through said opening and engaging the disk to prevent dislodgment of the band with relation to the disk, and a sleeve washer surrounding the securing element and of greater length than the thickness of such portion.

1,518,705. CONVEYER PIPE. PETER H. RAUN, Frederick, Md., assignor to The Frederick Engineering Company, Frederick, Md., a Corporation of Maryland. Filed Jan. 10, 1923. Serial No. 611,767. 1 Claim. (Cl. 137-75.)

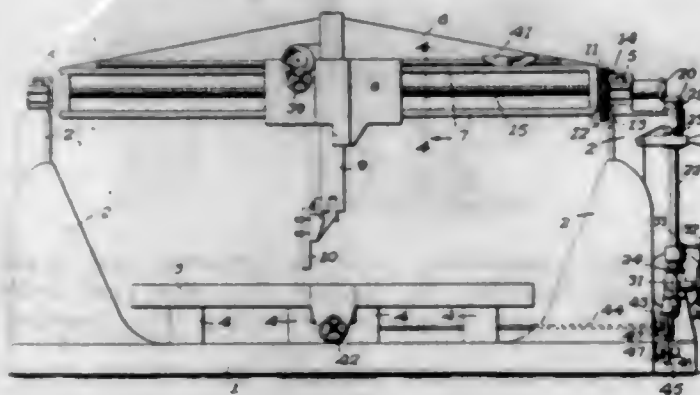


A conductor for an agglomerate of pieces of material and a stream of fluid adapted to extend in a substantially horizontal plane, comprising a pipe having a plurality of corrugations cast integral with the interior walls of said pipe, said corrugations being positioned within an angle less than 180 degrees in the upper and lower portions of said pipe, one group of said corrugations being separated from the other group of said corrugations by substantially plane interior walls of said pipe, said corrugations extending parallel one to the other in the direction of the length of said pipe and each of said corrugations being spaced from an adjacent corrugation for a distance proportioned to the size of the pieces of material to be conveyed, whereby fluid pressure may be passed in the lower portions of said corrugations for buoying up material to be conveyed upon the upper portions of said corrugations for reducing the pressure of the material upon the interior walls of the pipe.

1,518,706. PROCESS OF DENICOTINIZING TOBACCO. JOHANNES SARTIG, Berlin-Zehlendorf, Germany. Filed Mar. 6, 1924. Serial No. 697,340. 2 Claims. (Cl. 131-6.)

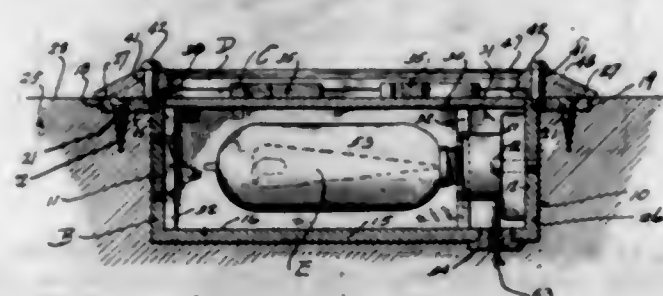
1. The process of denicotinizing tobacco, which consists in exposing tobacco to fresh air and light, wetting it with substantially pure water, free from salts to an extent to avoid dripping, and repeating the wetting until the desired reduction in the contents of nicotine is attained.

1,518,707. PLANER OR SHAPER. FRANK H. SLEEPER, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 17, 1919. Serial No. 338,679. 6 Claims. (Cl. 90-42.)



8. In a machine of the class described, a work supporting table, a rigid support extending lengthwise of said table, above the same, means for angularly adjusting said support, a tool carrier slidable in said support above said table, and a shaft, running lengthwise of said support, for reciprocating said tool carrier.

1,518,708. ILLUMINATED INDICATOR DEVICE. EDWARD SMITH, Buffalo, N. Y. Filed Sept. 25, 1922. Serial No. 590,459. 3 Claims. (Cl. 40-132.)

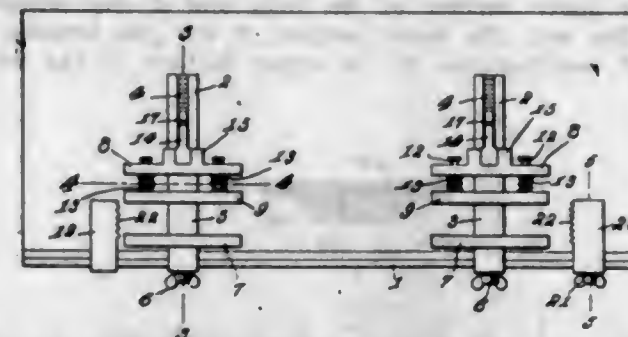


1. In an illuminating identification device the combination with a support having a recess therein, of a casing providing a compartment therein and being open forwardly thereof and having laterally extending attaching lugs thereon with openings therethrough, said casing adapted to be placed in the recess of said support with the lugs overlying said support, attaching elements disposed through the lugs of said casing for securing the casing in a fixed position within said support, an indicia display means, a frame having a central opening therein through which the indicia display means is visible and having openings laterally therein, and attaching elements for disposition through said frame openings in secured relation to said casing for securing the frame over the casing to hide said casing and the first mentioned attaching elements.

1,518,709. BENCH ATTACHMENT. MORRIS THOMAS, Warren Center, Pa. Filed Sept. 17, 1923. Serial No. 683,245. 2 Claims. (Cl. 144-307.)

1. An attachment for a bench comprising a holding member held in spaced relation from the front edge of

a bench, a head block connected with one end of said member, block slidably connected with the other end of the member, a pair of strips, each having one end

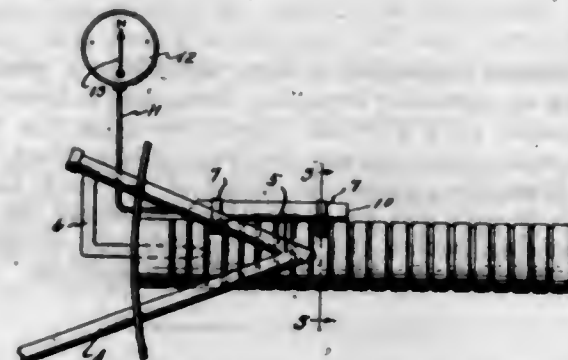


clamped to the member, said strips extending over the bench, a stationary jaw carried by each strip and a slidable jaw carried by each strip.

1,518,710. MANUFACTURE OF NEW VAT DYE-STUFFS. RICHARD TOBLER, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed May 21, 1924. Serial No. 714,950. 9 Claims. (Cl. 260-49.)

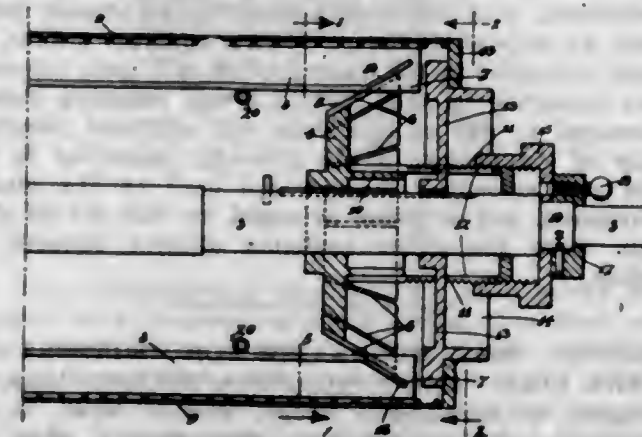
1. Process for the manufacture of new indigoid dye-stuffs, consisting in condensing the 2:1-naphthindoxyl with halogen substitution products of isatin.

1,518,711. BURNER-TEMPERATURE-INDICATING MECHANISM. ORR C. TRASK, Toronto, Ontario, Canada. Filed Apr. 20, 1923. Serial No. 633,566. 1 Claim. (Cl. 73-32.)



In combination, a burner having a tubular member adjacent thereto, said tubular member containing temperature sensitive matter, an indicator connected with said member so that variations of temperature around the said burner will be transmitted through the tubular member and the temperature sensitive matter to the indicator.

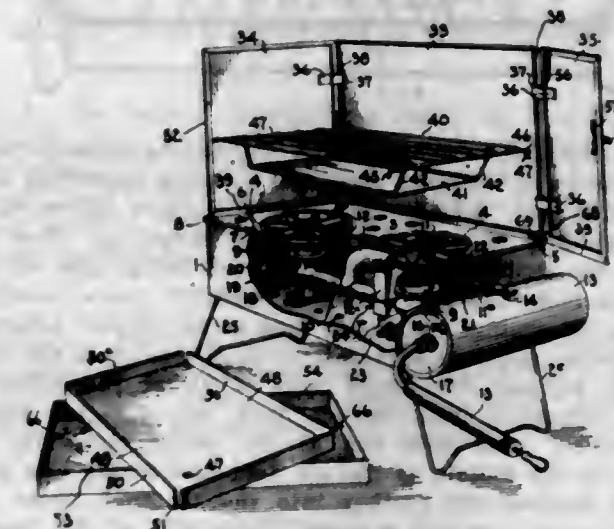
1,518,712. EXPANDING CYLINDER MOLD AND DANDY ROLL FOR PAPER-MAKING MACHINES. WILLIAM EDWIN KNOWLES TROTMAN, Wood Green, England. Filed Feb. 13, 1922. Serial No. 536,318. 6 Claims. (Cl. 92-43.)



1. An expanding roll, for cylinder molds and candy rollers for paper-making and other machines, characterized by bearing blocks slidably mounted on the spindle of

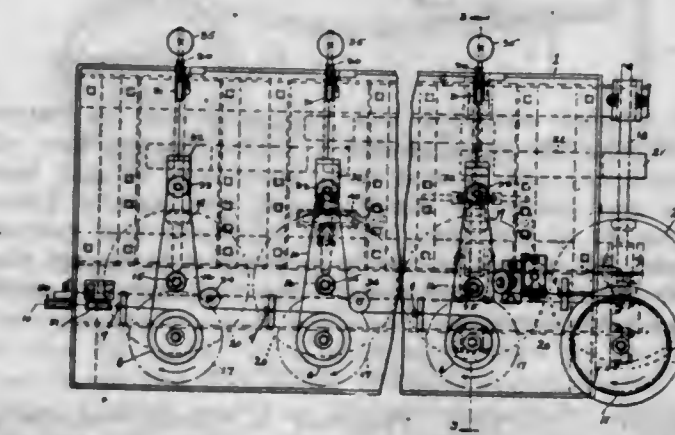
the roll, inclined surfaces to said blocks, slots in said surfaces, longitudinal bars arranged in spaced relation to one another in the form of a circle with their ends supported in said slots, flanged ends to said longitudinal bars inclined to the angle of the bearing blocks, and screw means for imparting the required amount of travel of said blocks towards or away from one another to expand or contract the roll.

1,518,713. CAMP STOVE. FAVILLE A. TROW, Albert Lea, Minn. Filed Mar. 20, 1922. Serial No. 545,226. 15 Claims. (Cl. 126-38.)



1. In a folding stove, a casing, a hot plate, a combined windshield and warming shelf pivotally mounted on the casing and provided with foldable wings adapted to support the windshield vertically on the casing, said windshield adapted to be swung to one side and positioned horizontally with the wings forming supporting legs for the warming shelf, removable side and top members adapted to be positioned in cooperative relation with the wings of the windshield to form an oven, said wings foldable in overlapping relation upon the windshield, said windshield and wings foldable on the hot plate, means for locking the folded windshield upon the hot plate, said removable side member adapted to be positioned within the removable top member, and said top member adapted to engage the bottom of the casing and enclose the foldable legs, and means on the casing and the removable top member for locking said top member on the bottom of the casing.

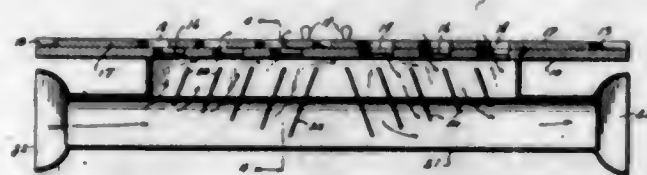
1,518,714. WIRE-DRAWING MACHINE. CALVIN W. VAUGHN and EUGENE RANSOM, Cuyahoga Falls, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a Corporation of Ohio. Filed Apr. 8, 1921. Serial No. 459,730. 4 Claims. (Cl. 205-14.)



1. In mechanism of the character described, the combination with a plurality of dies and drums, of driving means for the latter, said means including a friction disk geared to drive a drum, a friction wheel driven at a predetermined speed movable in and out across the face

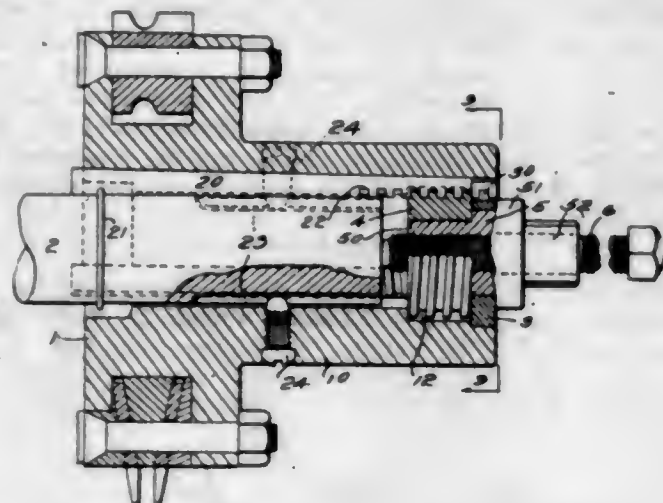
of said disk, and means adapted to maintain a uniform tension on the wire between successive dies, said means being operatively connected with said wheel thus to position the same relatively to said disk.

1,518,715. VENTILATOR. GROVER C. WALKER, Chicago, Ill. Filed June 30, 1923. Serial No. 648,723. 2 Claims. (Cl. 98—22.)



1. A ventilator comprising a supporting member having a series of screened openings, a casing extending outward from the member and firmly engaged therewith, a longitudinally extending, relatively large air duct in which the casing opens, the air duct being open at its opposite ends and two series of deflector vanes mounted within the casing, the inner ends of all of the deflector vanes being disposed adjacent to but spaced from the supporting member, the outer ends of all of the deflector vanes extending into the air duct, the deflector vanes successively from each end of the casing increasing in length to the middle of the air duct and casing and projecting successively further into the air duct, those deflector vanes disposed nearest the middle of the casing having their outer ends spaced from the wall of the air duct.

1,518,716. CENTERING AND HOLDING MEANS FOR CUTTER HEADS AND THE LIKE. EDWARD H. WAGG, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a Corporation of Washington. Filed Oct. 15, 1923. Serial No. 668,535. 7 Claims. (Cl. 287—53.)



1. A shaft centering and holding device for cutter heads and like tools having a shaft-receiving bore, of inclined keyways in said bore, taper keys in said keyways and means for simultaneously and equally drawing up all of said keys, and an adjustable stop carried by the key tightening means in position to engage the shaft end to accurately position the head upon the shaft in an axial direction.

1,518,717. BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 27, 1923. Serial No. 634,995. 1 Claim. (Cl. 24—90.) A button of the sewed-on type formed entirely of metal and comprising a relatively thick hub having openings therein for the passage of attaching threads therethrough,

an upwardly and outwardly extending web integral with the hub and tapering toward its outer periphery, the upper surface of the web forming a smooth continuation of the upper surface of the hub, and a rim integral with the web, the upper surface of the rim forming a smooth continuation of the upper surface of the web,



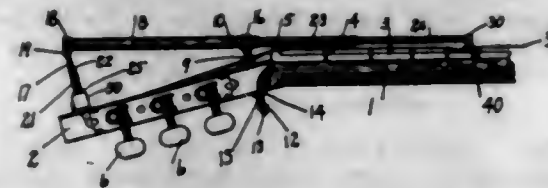
and the rim being thicker in cross section than the web and with the lower surface of the rim projecting below the lower surface of the adjacent portion of the web and merging therewith to provide a reinforced and rounded edge for contact with the material which is secured or held in place by the button.

1,518,718. BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 6, 1924. Serial No. 718,205. 3 Claims. (Cl. 24—90.)



1. A button comprising a back formed as a shell and including an upwardly extending flange and a front member provided with a recess therein receiving the flange of the back, the adjacent portions of the front being turned inwardly against the flange of the back and securing it thereto and an anchor located within the shell and extending within the front member and compressed between the front member and the back member.

1,518,719. CAPO TASTO. ALVA C. WHITEMAN, Cincinnati, Ohio. Filed Mar. 8, 1922. Serial No. 542,012. 6 Claims. (Cl. 84—318.)

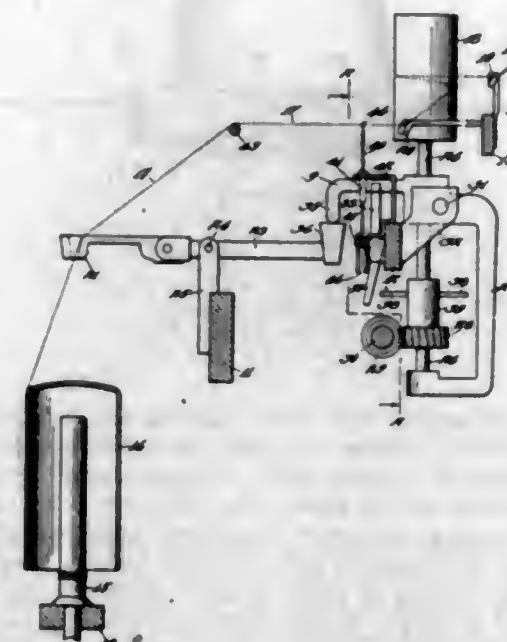


5. The combination with a fretted stringed musical instrument, of a cup resting on the head of said instrument, an extensible post resting in said cup, a tube pivotally connected to the upper end of said post, telescopic rods connected to said tube, a string engaging element connected to one of said rods and shiftable longitudinally of the strings, a pin pivotally connected to said tube and extending through the head of the musical instrument, and a spring arranged on said pin to yieldingly force the string engaging element towards the strings.

1,518,720. STOP MECHANISM FOR TWISTERS AND THE LIKE. HARRY WILKINSON, Methuen, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed June 4, 1923. Serial No. 643,199. 6 Claims. (Cl. 117—29.)

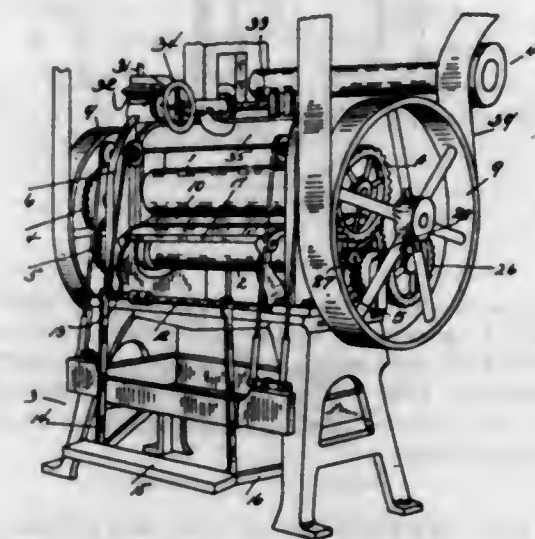
1. In a twisting frame or the like, in combination, a spindle, a delivery roller, mechanism for driving said

roller, a stop mechanism therefor, a pivoted arm for resetting said driving mechanism when disconnected by said stop mechanism, means including an eye carried by



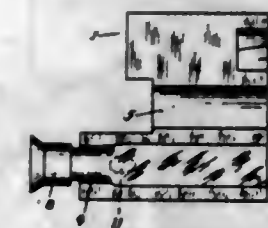
said arm for guiding the yarns from said roller to said spindle, and means independent of said arm and controlled by the yarns for controlling said stop mechanism.

1,518,721. MACHINE FOR STRAIGHTENING DRILLS OR THE LIKE. CHARLES P. WINEMAN, Detroit, Mich., assignor to Detroit Twist Drill Company, Detroit, Mich., a Corporation of Michigan. Filed July 3, 1919. Serial No. 308,580. 2 Claims. (Cl. 153—54.)



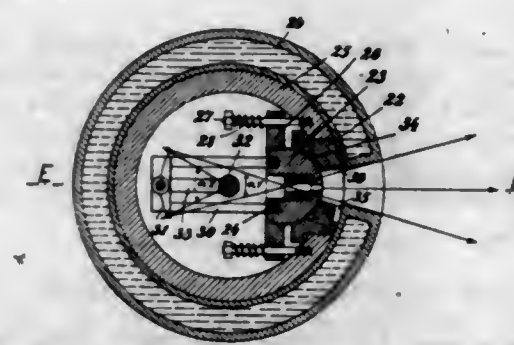
1. In a straightening machine, the combination with a roller, of a cooperating roller spaced therefrom, said rollers adapted to engage a substantially cylindrical member therebetween with its axis substantially parallel to the axes of the rollers, means for rotating said rollers in the same angular direction, means for simultaneously adjusting the opposite ends of one of said rollers and means for automatically moving the other of said rollers toward the adjustably mounted roller.

1,518,722. METHOD OF FORMING DRILLS. CHARLES P. WINEMAN, Detroit, Mich., assignor to Detroit Twist Drill Company, Detroit, Mich., a Corporation of Michigan. Filed June 13, 1921. Serial No. 477,027. 6 Claims. (Cl. 76—108.)



1. In the method of making a drill, the forming of a shoulder on a polygonal blank to hold the same from longitudinal movement, and the upsetting of a portion of the blank to one side of the shoulder to form the drill shank while the shoulder is holding the blank from longitudinal movement.

1,518,723. DEVICE FOR INTRODUCING SULPHITE CELLULOSE LIQUID INTO FURNACES. ELIAS WIRTH-FREY, Aarau, Switzerland. Filed July 14, 1923. Serial No. 651,539. 16 Claims. (Cl. 23—22.)



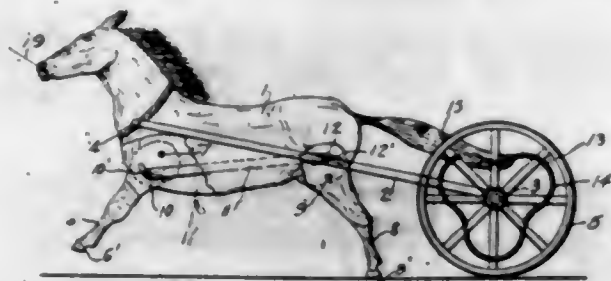
1. A device for introducing sulphite cellulose liquid into a furnace, comprising an injecting member located inside the furnace for directing the liquid in the form of a single jet, and a supporting member adapted to movably support said injecting member.

1,518,724. HAND BRAKE MECHANISM. HENRY I. WRIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Aug. 2, 1922. Serial No. 579,249. 3 Claims. (Cl. 254—149.)



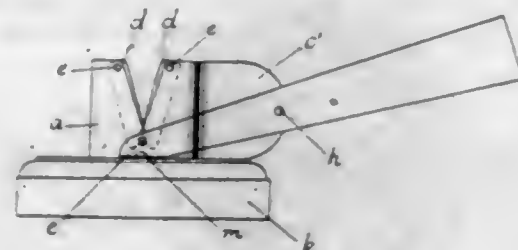
1. In a brake mechanism for railway cars, in combination, a rotatable brake staff, a brake lever, and connection between the staff and lever including a link attached at one end to the lever, a drum journaled in the other end of the link and having eccentric and concentric portions, a spiral groove on the periphery of the drum extending continuously over the eccentric and concentric portions, a cable adapted to be guided in said groove having one end secured to the drum and the other end fixedly anchored, and a second cable having its opposite ends in winding engagement with the drum and the brake staff, respectively.

1,518,725. FIGURE WHEELED TOY. HARVEY ALLISON, New York, N. Y. Filed Apr. 27, 1921. Serial No. 464,940. 10 Claims. (Cl. 46-45.)



9. In a device of the class described, a shaft supported on wheels, a body, members pivoted to said body, said members being arranged in tandem, and a member rigidly connected to said body, said shaft carrying means for reciprocating said member in an up and down direction.

1,518,726. SHARPENER FOR KNIVES AND OTHER CUTTING TOOLS. HENRY GRAVILLE BENNETT and Ivo ROWE, Sheffield, England. Filed May 7, 1923. Serial No. 637,110. 5 Claims. (Cl. 76-86.)



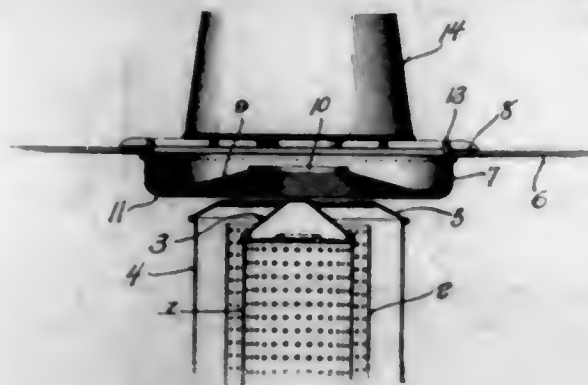
2. A sharpener for knives and other tools having a cutting edge, comprising a holder, and a plurality of blades associated with said holder to collectively constitute a V-like structure, one end of each of said blades being secured to said holder by a common connector and the opposite ends of alternate blades being spaced apart and secured by common connectors to said holder, said connector at the apex of the V-like structure being eccentrically disposed relatively to the longitudinal centre line of each blade.

1,518,727. COMBINATION MAGNETIC STAMP. BENJAMIN BORNSTEIN, Shamokin, Pa. Filed May 10, 1924. Serial No. 712,235. 5 Claims. (Cl. 101-105.)



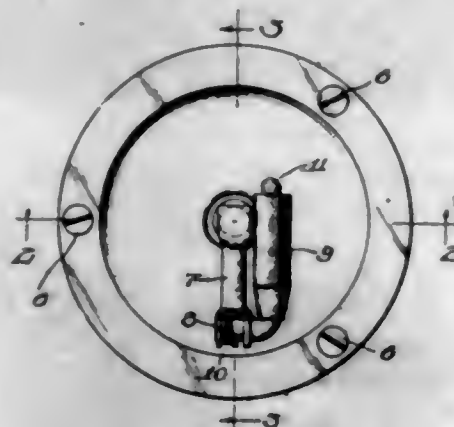
1. In a stamping device, the combination of a magnet, a shield covering said magnet, a type holder of paramagnetic material held in contact with the poles of said magnet, and means connected with said shield for preventing lateral displacement of said type holder.

1,518,728. OVERFLOW PAN FOR GRIDS. JOHN S. BRENNAN, Milwaukee, Wis. Filed Nov. 17, 1922. Serial No. 601,511. 1 Claim. (Cl. 126-214.)



The combination of a stove having an apertured top, a burner located below said top, an overflow pan removably positioned within said aperture and having an annular flange at its upper edge supported by said top, said pan having upwardly extending walls merging into said flange and having an upwardly bulged frusto conical bottom having a large central aperture above said burner and a series of apertures adjacent the outer portion of said bottom, and a grid carried by said stove top and extending across the aperture in said stove top and adapted to support a utensil.

1,518,729. STOP PIN. PETER C. BURNS, Chicago, Ill., assignor to American Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1923. Serial No. 641,068. 4 Claims. (Cl. 74-33.)

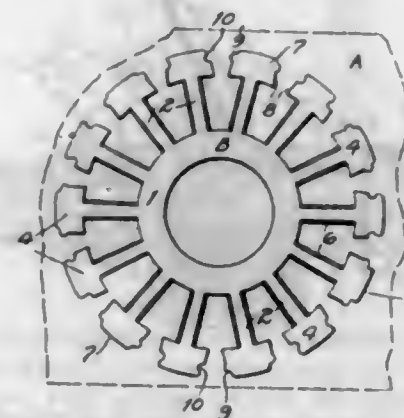


1. In a device of the class described, a shaft, a crank connected thereto, a handle pivotally connected to the outer end of said crank, spring means normally tending to maintain said handle substantially parallel to said crank, and means for preventing rotation of said crank in one direction.

1,518,730. METHOD OF MANUFACTURING HIGHLY-STRAINABLE IRON AND STEEL CONSTRUCTIONS. KARL DAEVES and BRUNO WEISSENBRO, Dusseldorf, Germany, assignors to the Firm: Thyssen & Co., Aktien-Gesellschaft, Mulheim-Ruhr, Germany. Filed Apr. 28, 1923. Serial No. 635,285. 1 Claim. (Cl. 148-12.)

A method of manufacturing highly-strainable iron and steel constructions consisting in exposing said constructions, first, to a testing-load up to the limit of the actually desired factor of safety and, then, after said test to such an annealing that a re-crystallization takes place which removes the noxious result of any overload caused by said test in the material of said constructions, substantially as set forth.

1,518,731. CAGE FOR ROLLER BEARINGS. ELISHA N. DICKINSON, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 7, 1923. Serial No. 661,347. 3 Claims. (Cl. 64-62.)



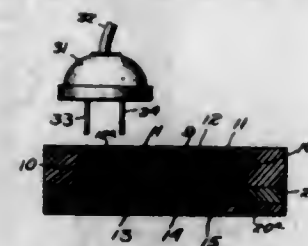
1. A sheet metal blank for a roller bearing cage comprising a central annular portion and arms extending radially therefrom and having their end portions widened and chamfered, and having tongue-and-groove elements in the sides of the endmost portions thereof.

2. A cage for roller bearings comprising an annular portion and spaced arms extending therefrom in the form of a cone, the end portions of said arms being widened and chamfered and having their endmost portions bent inwardly to form a continuous ring transverse to the axis of the cage.

1,518,732. PROCESS OF MAKING CAMPHOR. JOSEPH EBERT, Lyons Farms, N. J. Filed May 13, 1920. Serial No. 380,951. 3 Claims. (Cl. 260-133.)

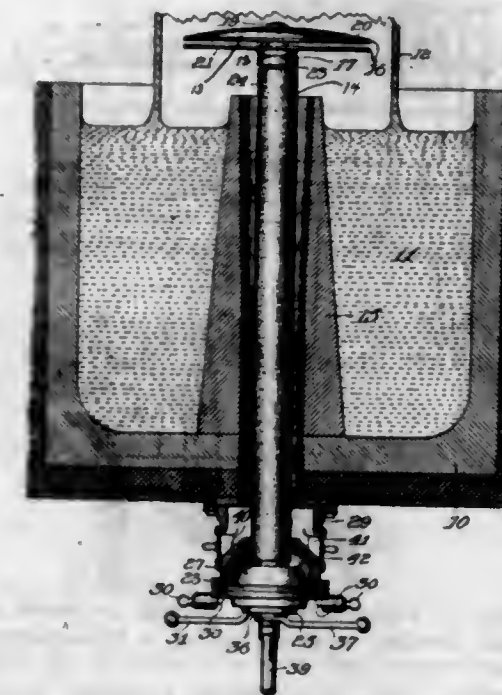
1. The process of making camphor which consists in oxidizing isobornylesters by heating the same at a temperature not exceeding 200° C., while refluxing, with a solution of a hydrate of an alkaline agent in the presence of a binoxide of a heavy metal, while the mixture is constantly stirred, and then separating the camphor thus formed.

1,518,733. CONNECTER. REUBEN ECKSTEIN, New York, N. Y. Filed Apr. 14, 1921. Serial No. 461,266. 3 Claims. (Cl. 173-334.)



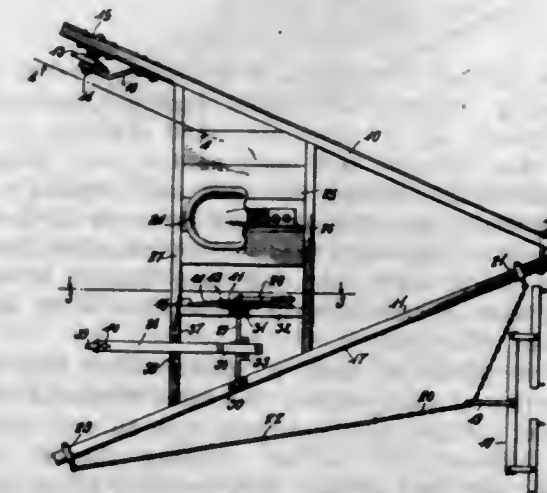
1. The combination of a plate of insulating material provided with a number of holes extending through it, a contact plate mounted upon said plate of insulating material and provided with tongues of conducting material extending through some of said holes and arranged in pairs, a second plate of insulating material connected with said first-mentioned plate of insulating material and provided with holes extending therethrough and a second contact plate, said second contact plate being provided with tongues of conducting material arranged in pairs and extending through the holes in said second plate of insulating material and also through some of the holes in said first-mentioned plate of insulating material.

1,518,734. ART OF DRAWING GLASS. ROBERT L. FRANK, Lancaster, Ohio. Filed June 12, 1919. Serial No. 303,804. 16 Claims. (Cl. 49-17.1.)



5. The method of producing hollow glass articles which consist in drawing a hollow cylinder from a bath of molten glass and subjecting the walls of said body to an internally exerted substantial kinetic thrust uniformly applied around said walls below the point of congealing or setting thereof, and simultaneously cooling the same.

1,518,735. ROAD DRAG. CHARLES GLEE, White, Nebr. Filed Oct. 26, 1923. Serial No. 670,920. 3 Claims. (Cl. 37-172.)

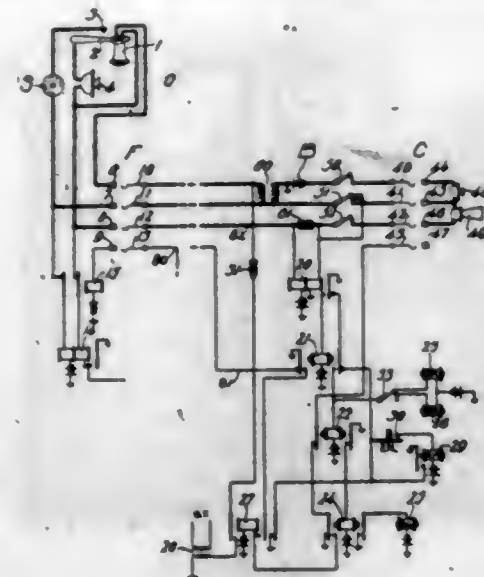


1. A road drag comprising a scraper frame, a rocker arm associated therewith, a ground engaging wheel at one end of the said arm, an operating crank engaging the opposite end of the arm for rocking the latter on its fulcrum, means for locking the crank in adjusted position and cushioning means for the said lock of the crank whereby the latter will be cushioned against the shock imparted thereto.

1,518,736. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,827. 4 Claims. (Cl. 179-18.)

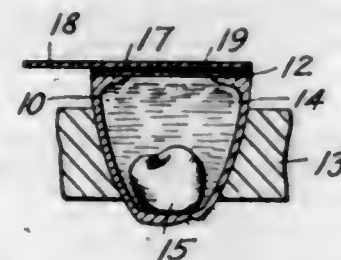
1. In a telephone system, a telephone station having an ordinary transmitter and a receiver, an impulse sender thereat, a telephone station comprising a loud

speaking receiver and a sensitive transmitter, and means including an automatic switch adapted to be set under the control of said sender for simultaneously establishing



a plurality of conversational circuits between said stations, said circuits each including a transmitter and a receiver.

1,518,737. CONFECTION AND METHOD OF MAKING SAME. CHARLES R. GRIFFITH, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,720. 9 Claims. (Cl. 99-16.)



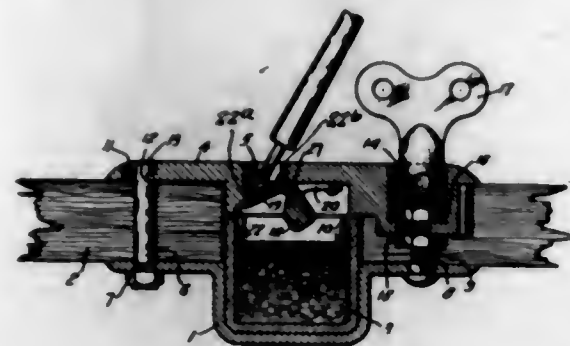
1. The method of making a chocolate covered confection having substantially liquid contents consisting of the provision of a chocolate shell having a partly formed base thereon and open at the end, filling said shell with liquid through the open end, dipping a sealer of substantially the same size and shape as the periphery of the base of said shell into molten chocolate and placing said sealer with the chocolate thereon completely covering and substantially in registration with the open end of the filled shell.

6. In a chocolate shell, a substantially conical thin body portion of substantially the same thickness throughout, a flat circular partly formed base on said shell having a substantially central opening therein, of less diameter than that of said body portion, at the juncture of said base and said body portion, and a fillet portion thicker than the remainder of said shell at said juncture.

1,518,738. INK RECEPTACLE. CLARENCE W. HAHN, Flushing, N. Y. Filed Apr. 7, 1921. Serial No. 459,226. 7 Claims. (Cl. 120-58.)

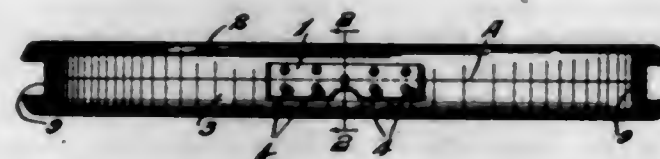
1. In a cap for inkwells, in combination, a cap plate adapted to form a cover for an open-topped inkwell and having a dipping aperture therein normally disposed toward one side of the open top of the inkwell, a part of said plate being disposed to overlie the inkwell, opposed laterally disposed inclined closure ledges on the under side of said plate adjacent to and lying outside the bounds of said dipping aperture, a closure member for said aperture pivotally mounted on the under side of said plate at the side of said aperture, said closure member having a closure wing with opposed laterally disposed

closure surfaces adapted to contact respectively with said inclined closure ledges to form a tight closing joint for said aperture while the closure wing is disposed in inclined position so complete uncovering of the dipping aperture may be effected by a pivotal movement of the



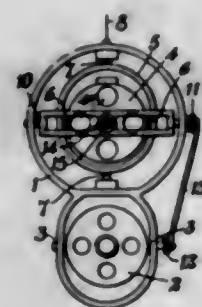
closure member of substantially less than ninety degrees, and a closing counterweight for said closure member disposed beneath the overlying part of said plate and being disposed in angular position with reference to the closure wing.

1,518,739. DEMOUNTABLE RIM. GEORGE W. HEBELER, St. Louis, Mo. Filed Dec. 28, 1922. Serial No. 609,530. 4 Claims. (Cl. 301-35.)



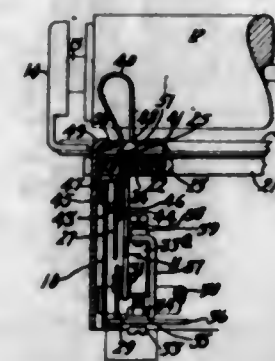
1. In combination, a demountable rim for a pneumatic tire, split into longitudinal sections adapted to be removed from each other, means for assembling said sections together including a rigid plate fixedly secured to one of said sections, projecting over a face of the other of said sections, and having perforations in its projecting portion, and pins on said latter section adapted to engage said perforations.

1,518,740. GYROCOMPASS. JAMES BLACKLOCK HENDERSON, Lee, England. Filed Nov. 8, 1919. Serial No. 336,625. 8 Claims. (Cl. 33-204.) (Granted under the provision of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a gyroscopic compass, a sensitive element comprising two gyroscopes each having a rotor and a casing therefor provided with apertures through which air jets are caused to issue by the rotation of the rotor, a connection between the gyroscopes for causing them to mutually react upon each other and means actuated by the air jets of one of the gyroscopes for producing unequal couples on the two gyroscopes.

1,518,741. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 27, 1922. Serial No. 577,799. 23 Claims. (Cl. 113-99.)

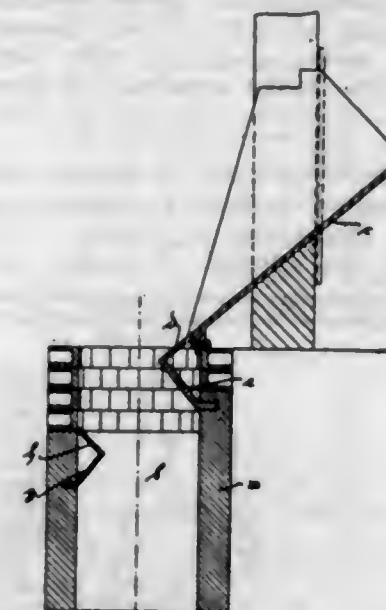


1. A device, insertable into a typewriting machine, having means thereon for interengaging the main frame of the machine, and means thereon for engaging over the platen-shift-frame of the machine, to hold the latter frame against raising movement.

1,518,742. PROCESS FOR EXTRACTING TIN FROM TIN-CONTAINING MINERALS, ALLOYS, SCORIA, AND SCRAP. LEON LAMY, St-Jeolre en Faucigny, France. Filed June 24, 1924. Serial No. 722,055. 1 Claim. (Cl. 75-17.)

The method of extracting tin from materials containing tin and iron, comprising the steps of treating such materials in a molten condition with a substance having the properties of elemental silicon to form a ferro-silicon; and separating said tin and said ferro-silicon.

1,518,743. CHARGING DEVICE FOR SHAFT FURNACES. HUGO LUYKEN, Bielefeld, Germany, assignor to the Firm: Dürkoppwerke A. G., Bielefeld, Germany. Filed Mar. 8, 1924. Serial No. 697,927. 2 Claims. (Cl. 214-18.)

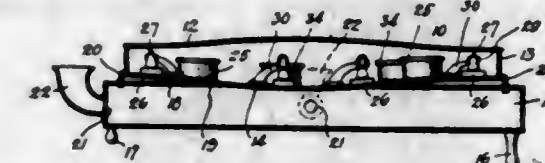


1. In combination, a shaft of a shaft-furnace, an inclined charging chute at the top end of said shaft, a removable extension piece on said chute projecting somewhat into said shaft, and a downwardly inclined baffle-plate located underneath said chute extension piece and on the opposite side of said shaft, substantially as and for the purpose set forth.

1,518,744. RADIOPHONE AMPLIFIER. ALFRED N. MARTIN, New Dorp, N. Y. Filed Apr. 21, 1923. Serial No. 633,649. 6 Claims. (Cl. 179-108.)

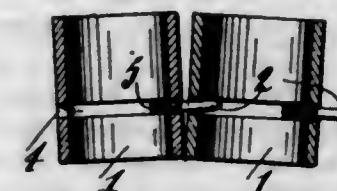
1. In a sound amplifying means, a body of violin form, a hollow resonant sub-support for said body which lies in direct contact therewith, a portion of the wall of one

of which within the line of contact has been removed to allow the adjacent contacting wall to form a single partition and common sounding board within said line,



allowing the more ready transmission of sound there-through for the purpose of amplification, and means to initiate sound vibrations to be amplified thereby.

1,518,745. BRACELET. JACON MEHRLUST, New York, N. Y. Filed Mar. 3, 1924. Serial No. 696,455. 6 Claims. (Cl. 59-80.)



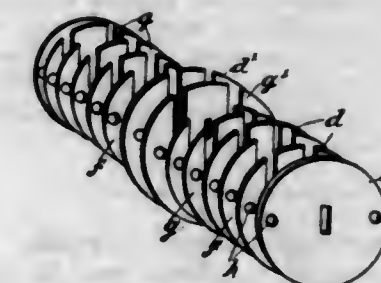
1. A unit for a bracelet or the like comprising a tubular structure having a plurality of slits formed in the body thereof so as to leave bridge-like portions intermediate the said slits, one of said bridge-like portions having a fastening member connected thereto.

1,518,746. CUSHION-TIRE STRUCTURE. FRANK H. MEYER, Warren, Ohio. Original application filed Nov. 25, 1922. Serial No. 603,289. Divided and this application filed June 30, 1924. Serial No. 723,216. 4 Claims. (Cl. 152-1.)



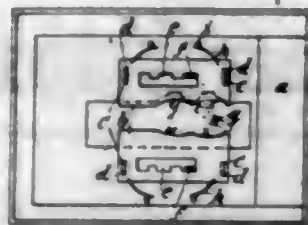
2. A cushion tire structure comprising annular side sections having a cushion of rubber secured thereto, an endless spacing ring disposed between said side sections and having its inner portion of substantially the same diameter as that of the side sections, and interengaging projections and recesses carried by said ring and said side sections to prevent relative lateral and relative circumferential movement.

1,518,747. SAFETY LOCK. CARL AUGUST MÜLLER, Wittenhausen, Werra, Germany. Filed Mar. 9, 1921. Serial No. 450,893. 4 Claims. (Cl. 70-46.)



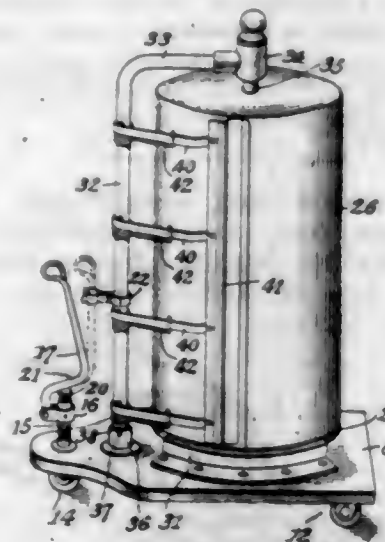
1. In a barrel lock of the rotary barrel and tumbler type, the combination of a barrel and a casing of thin laminæ appropriately shaped to provide, when assembled the openings required for the locking members of the lock, substantially as set forth.

1,518,748. SAFETY LOCK. CARL AUGUST MÜLLER, Wittenhausen, Werra, Germany. Filed Mar. 9, 1921. Serial No. 450,895. 5 Claims. (Cl. 70-76.)



1. The combination with a safety lock having a multiple turn, key-operated bolt and a single key-hole, of key-operated tumblers for locking said bolt in each stage of its movement, said tumblers having key sweeps arranged in different groups for the different stages of bolt movement, one of said groups adapted to move opposite the keyhole after each operation of the bolt for operation by its particular key-tongue, substantially as set forth.

1,518,749. VERTICAL PAPER CUTTER. MEYNARDIE NELSON, Littleton, N. C. Filed Apr. 14, 1922. Serial No. 552,530. 6 Claims. (Cl. 211-32.)

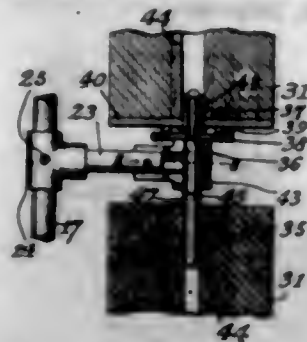


1. In a vertical paper-cutter of the class described, for mounting and revolvably carrying heavy rolls of paper in vertical position for the operation of cutting, a portable mechanism comprising a main horizontal normally-stationary base member, a vertical standard projecting from said base member and adapted for carrying cutting elements operative upon the paper roll, roller means for portably sustaining said normally-stationary base member, said means comprising a guide roller having a revolvable mounting in connection with the rear end portion of said base, brake means for locking said guide roller in fixed position, a handle member having a vertically-pivotal mounting at the rear of said stationary base at a point adjacent to and in rear of the position of said standard, said handle member being operative in its downward position as a tongue to draw said base upon its portable mounting, and means comprised in said handle member and operative to actuate said brake means to lock said guide roller when the handle member is in normal upright position towards said vertical standard.

1,518,750. VERTICAL PAPER CUTTER. MEYNARDIE NELSON, Littleton, N. C. Filed June 15, 1922. Serial No. 508,648. 7 Claims. (Cl. 211-32.)

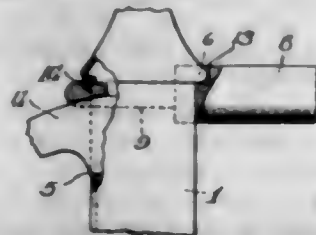
1. In a vertical paper-cutter of the class described, comprising a stationary base carrying a revolving base for sustaining the roll of paper and a standard projecting from the stationary base and carrying the cutting means operative with relation to said roll, a multiple-

story unit having supporting means above a lower revolving base, a socket carried by said supporting means, a detachable retaining-pin insertibly supported in said socket and projective above and below the same, the



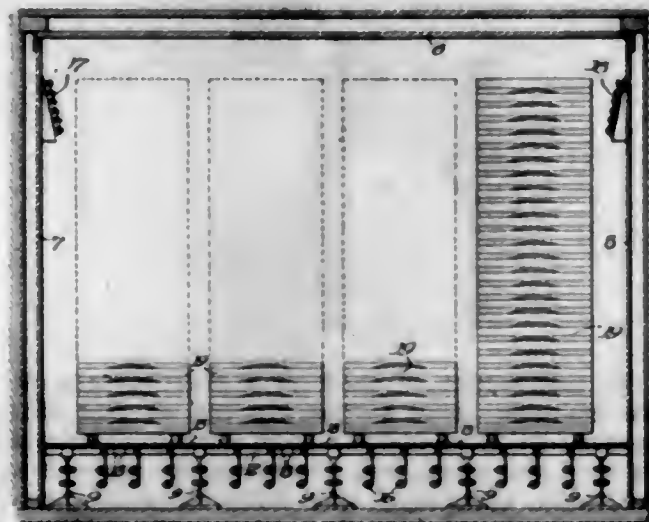
lower end of said insertible pin being operative to enter the top of the bore of a roll of paper seated upon said lower revolving base, and a revolving base carried at the upper end of said retaining-pin for supporting an upper roll of paper.

1,518,751. TELEPHONE-LOCKING DEVICE. FERNANDO C. OWEN, Chicago, Ill. Filed Feb. 29, 1924. Serial No. 695,890. 4 Claims. (Cl. 179-189.)



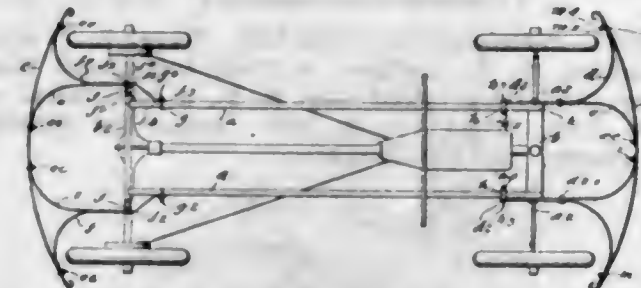
1. A telephone locking device comprising two separable members adapted to be rigidly united to assume a fixed position on the telephone instrument, so that both members will be rigid with the instrument, one member having means to engage and hold the telephone receiver hook in normal position, and said device being fitted to the instrument and thereby necessarily removable by horizontal movement of said members in opposite directions from engagement with said hook and from opposite sides of the telephone instrument.

1,518,752. DRYING ROOM. ELMER E. PERKINS, Chicago, Ill., assignor to Elmer E. Perkins Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 30, 1924. Serial No. 700,946. 7 Claims. (Cl. 34-46.)



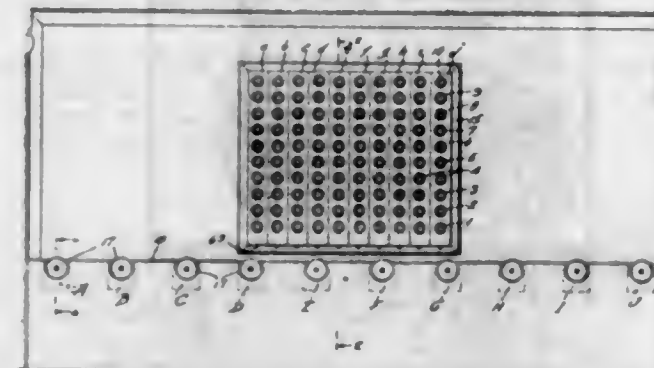
1. A drying room comprising heating pipes arranged in spaced relation in proximity to the floor, standards projecting upwardly from the floor above said pipes, stringers supported upon said standards and extending transversely of the pipes, and a plurality of flat members disposed in spaced relation upon said stringers directly over said spaced pipes, whereby material being dried is prevented from falling upon said pipes.

1,518,753. BUMPER. FRANK E. PRICE, Detroit, Mich., assignor to The Angle Bumper Corporation, Pontiac, Mich., a Corporation of Michigan. Filed July 10, 1922. Serial No. 573,821. 7 Claims. (Cl. 293-55.)



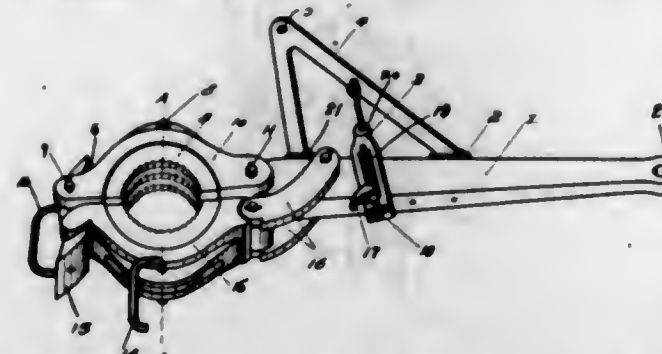
4. In a bumper for automobiles, the combination of a flexible striking cross bar, braces for supporting said cross bar, said braces being adjustable in position to flex said cross bar into different forms at will.

1,518,754. ELECTRIC AMUSEMENT DEVICE. FRANK PRINA and WILLIAM PRINA, Jersey City, N. J.; said William Prina assignor to said Frank Prina. Filed Mar. 5, 1920. Serial No. 363,457. Renewed May 31, 1922. Serial No. 564,847. 47 Claims. (Cl. 273-86.)



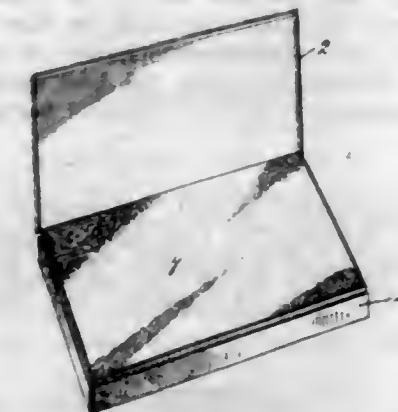
1. In an amusement device, the combination of a plurality of series of indicator devices, a corresponding plurality of actuators for players pertaining to the respective series of indicator devices, connections between the indicator devices and the actuators whereby successive indicators in the several series will be made manifest in accordance with the actuation of the actuators, and means serving to cause all other indicator devices to become idle when a certain one of the indicator devices of one of the series is made manifest.

1,518,755. HEAVY PIPE TONGS. JAMES W. PURVIS, Houston, Tex. Filed Jan. 30, 1923. Serial No. 615,931. 3 Claims. (Cl. 81-60.)



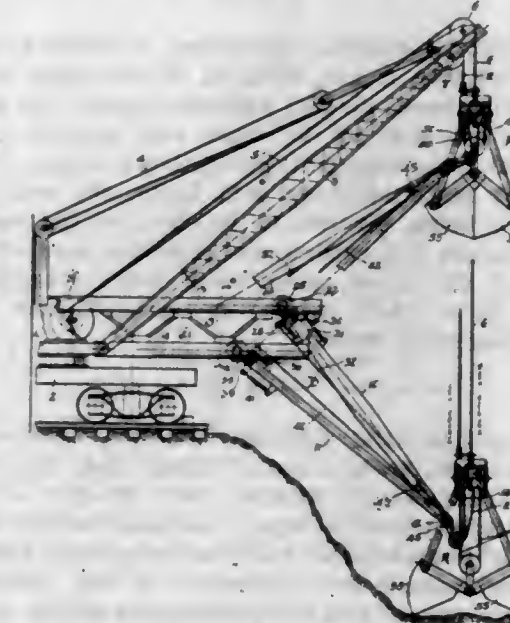
1. A tong including a handle, a jaw pivoted, at one end, to one end of the handle, a pair of swinging links pivoted, at one end, on opposite sides of the handle, a jaw pivoted, at one end, between the other ends of said links, each jaw having a slot, reinforcing extensions on opposite sides of said slots, on the outer side of each jaw, a plurality of rows of teeth formed integrally together and of a contour to fit within the inner sides of the jaws, plates formed integrally with the rows of teeth and fitted through the respective slots, pins fitted through the respective extensions of each jaw, and through the corresponding plates, as well.

1,518,756. INKING PAD. HARRY J. RAPLEY, Cambridge, and LAWRENCE W. KENDRICK, Boston, Mass., assignors to The Carter's Ink Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 9, 1923. Serial No. 667,488. 1 Claim. (Cl. 91-54.5.)



An inking pad comprising a receptacle having within it a base of some elastic non-ink-absorbing material, a lay of absorbent felt on said base, a perforated plate of some stiff though flexible perforated non-ink-absorbing material on said lay of felt, a top lay of absorbent felt on said perforated plate, and a cover of some fabric material for said top lay of felt.

1,518,757. EXCAVATING MECHANISM. JAMES C. REID, Jr., Cleveland, Ohio. Filed Apr. 5, 1923. Serial No. 629,958. 18 Claims. (Cl. 212-42.)



1. The combination with an excavating bucket and means respectively adapted to raise and lower and to close the same; of means adapted positively to crowd said bucket to its work, substantially as described.

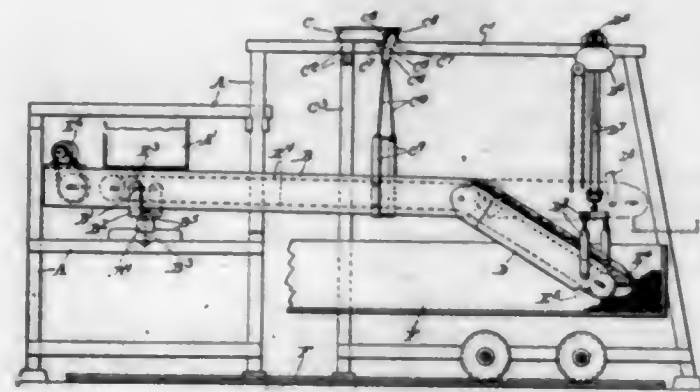
1,518,758. UNDERHOSE. ELIZABETH M. RODEE, Milwaukee, Wis. Filed Feb. 23, 1924. Serial No. 694,690. 1 Claim. (Cl. 2-61.)



An auxiliary knitted stocking having an opening at the base only of the heel and having an opening at the toe portion to permit the partial projection only of the

heel and toe portions of the foot, whereby a peripheral elongation and tensioning of the adjacent parts of the encircling foot portion is secured and wrinkling is prevented, the foot portion of the stocking covering the entire instep and the upper part of the foot to adjacent the toes, said foot portion having an extensive bottom extending from beneath the heel to the base of the toes, whereby the peripheral elongation of the encircling parts of the stocking adjacent the heel and toe produces a yielding tensioning of the extensive bottom portion.

1,518,759. LOADING BOOM. ALBERT J. SAYERS, Chicago, Ill., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1923. Serial No. 624,337. 7 Claims. (Cl. 198-109.)

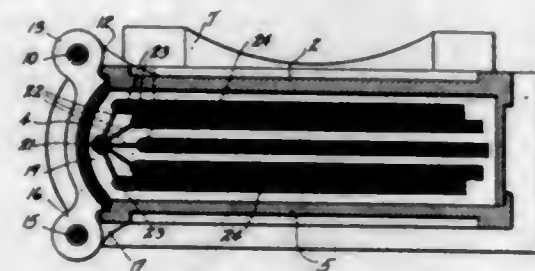


1. In a material handling structure, a railroad track, a material delivery means situated at one side of the track, a loading boom pivoted adjacent thereto on a vertical axis to one side of the track and adapted to receive material from said material delivery means, means for conveying material along said boom, the outer end of said boom being pivoted in relation to the rest of said boom, means for raising and lowering said pivoted outer end of the boom, said boom being adapted to be rotated as a whole about its vertical axis to a point overlying said track.

1,518,760. ALUMINUM NICKEL ALLOY. JOSEPH M. SCHWARZ, New York, N. Y. Filed Aug. 10, 1922. Serial No. 581,026. 3 Claims. (Cl. 75-1.)

1. The within described alloy, composed of aluminum in a relatively large amount, and relatively small amounts of copper and nickel, the percentage of the aluminum being ninety or more, and the percentages of the copper and nickel being in the proportion of two to one.

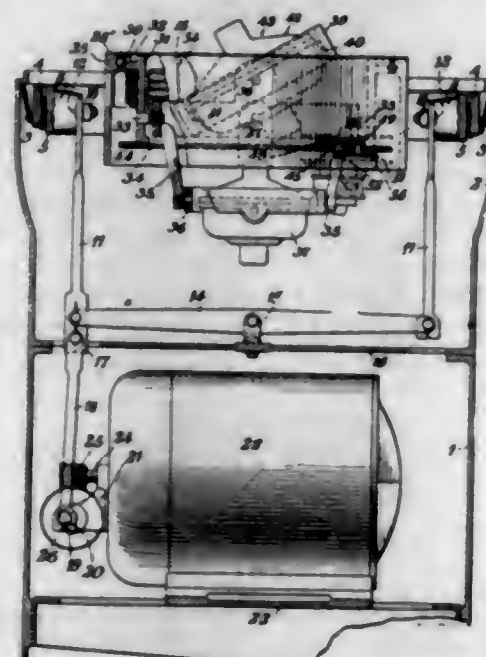
1,518,761. INFORMATION DIRECTORY. JESSE W. SILVER, Tacoma, Wash. Filed Mar. 21, 1923. Serial No. 626,528. 4 Claims. (Cl. 40-102.)



1. In a device of the class described, comprising a housing adapted to be secured to a supporting post, or the like, a hinge pin supported within the housing, a plurality of plates having edges hingedly mounted on

said pin, leaf supporting hinge pins mounted in the swinging edges of said plates and a plurality of leaves hingedly mounted on each of the latter pins.

1,518,762. GYROSCOPIC COMPASS. HARRY L. TANNER, Brooklyn, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Aug. 3, 1922. Serial No. 579,522. 20 Claims. (Cl. 33-204.)



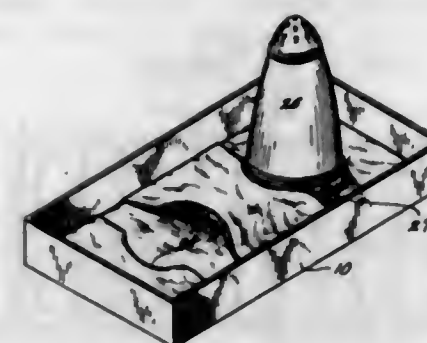
1. In a gyroscopic compass having a gyroscopic element provided with bearings for mounting it upon a power-driven element adapted to be moved by a motor controlled by a contact device, the combination of mechanism independent of the motor for continuously oscillating the bearings of the gyroscopic element.

1,518,763. COLLAR BUTTON. WALTER B. WILLIAMS, Newark, N. J. Filed Apr. 3, 1924. Serial No. 703,848. 1 Claim. (Cl. 24-61.)



A collar button for use in connection with upstanding collars comprising a part adapted to engage the neck band portion of a shirt, and a part integral with the first named part and extending from the neck band and in spaced relation thereto, said last named part being adapted to be passed through the button-hole of a collar and to overlap a neck tie mounted on the collar, and said last named part being provided with a prong fashioned from the material thereof and adapted to engage the fabric of the neck tie to retain the same against displacement.

1,518,764. ARTICLE-DISPLAY BOX. CLARENCE C. WILSON, Bridgeport, Conn., assignor to The Compressed Paper Box Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed May 8, 1923. Serial No. 637,415. 7 Claims. (Cl. 206-44.)



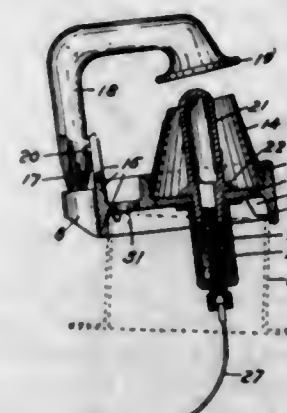
1. In a display box, an article holding element comprising a base, and transverse strips attached adjacent their ends to the base and spaced above the same intermediate their ends, said strips being adapted to engage an article to be displayed between their opposed edges and hold it against the base.

1,518,765. TOY AEROPLANE. FRANK E. WOOD and CLARENCE G. WOOD, Girard, Pa., assignors to Girard Model Works, Inc., Girard, Pa. Filed Jan. 7, 1921. Serial No. 435,590. 9 Claims. (Cl. 46-45.)



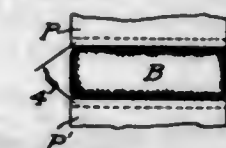
1. In a toy aeroplane, the combination of a fuselage of arched form; a plane secured to the upper part of the arch; an axle journaled in the walls of the arch; a motor within the arch and housed thereby; and a gear connection between the motor and the axle.

1,518,766. BURNER. WILLIAM F. YERS, Minneapolis, Minn. Filed Oct. 19, 1923. Serial No. 669,571. 3 Claims. (Cl. 158-70.)



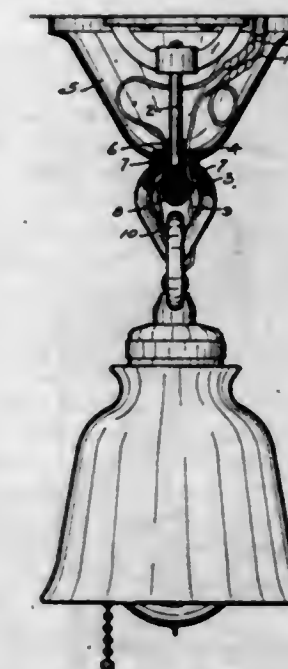
3. In a burner, a base plate having a mixing chamber thereon, a tubular generator extending with one end into the mixing chamber and with the other end down through the base plate, an oil supply tube, a receptacle connecting the oil supply tube to the generator immediately below the base plate, a nipple extending from the oil tube up into the receptacle, whereby an accumulation of oil may be reserved in the receptacle and around and over the nipple to act as a condenser for gas which is generated in the generator faster than it can be burned in the mixing chamber.

1,518,767. BALE TIE. BERT ANDERSON, New Orleans, La., assignor to F. E. Anderson, M. D. Anderson, W. L. Clayton, and B. Clayton, a Copartnership doing business as Anderson, Clayton & Co. Filed Jan. 16, 1923. Serial No. 612,943. 11 Claims. (Cl. 24-20.)



1. A bale tie having each of its ends doubled back a short distance and secured to the body, one of the ends thus re-enforced being provided with a plurality of elongated slots, the other end being provided with a head integral with the tie and adapted to lock into one of the slots at the other end when placed around a bale.

1,518,768. ELECTRIC-FIXTURE HANGER. ALBERT F. ANDERSON and CHARLES C. HAYES, Auburn, Wash. Filed Aug. 10, 1922. Serial No. 580,933. Renewed Oct. 30, 1924. 1 Claim. (Cl. 240-85.)

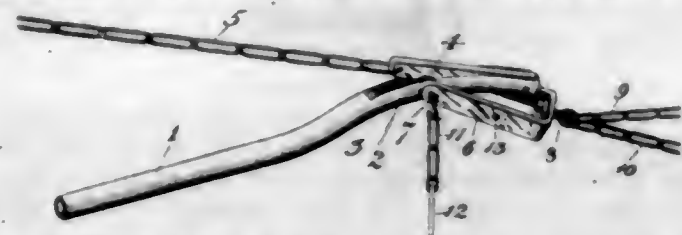


In an electric fixture hanger, the combination of an upper metallic link to which the fixture is attached, said link being provided with a central hole passing vertically through its upper side and with a channel communicating with said hole and parallel thereto; an insulating tube fitting said hole in said link and closing the connection between the hole and the channel; a fixed supporting rod adapted to pass down through said insulating tube and screw-threaded at its ends; a nut adapted to screw on the end of said supporting rod and having a bearing surface greater than the diameter of said insulating tube whereby it engages the upper part of the inner surface of said link to support the link and fixture; a canopy surrounding said supporting rod and supported by said link; short electric conduit wires positioned adjacent the fixed rod; and electric fixture wires passing from the fixture and through said channel in the link and connected to said conduit wires in the space within the canopy.

1,518,769. WIRE STRETCHER. JOSEPH F. BRUNK, Basin, Wyo. Filed Mar. 10, 1924. Serial No. 698,234. 1 Claim. (Cl. 254-81.)

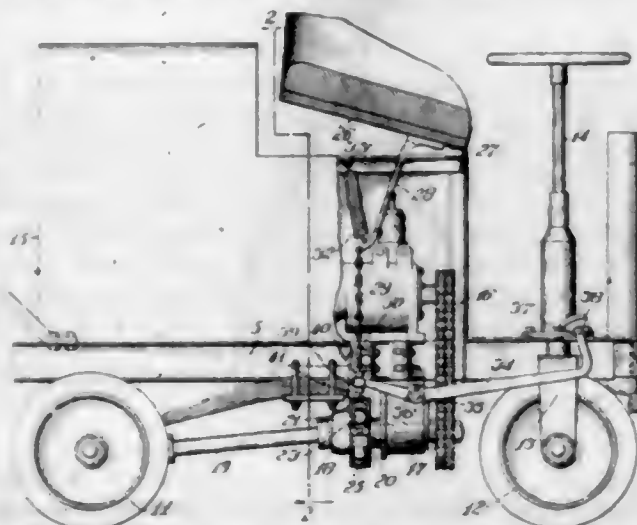
A device of the character described, comprising an operating lever with one end of said lever arranged to form a handle and the other end bent into a curved portion provided with a longitudinal slot; a link pivoted in the forward end of said curved portion in said slot and adapted to swing rearwardly over the convex side of said portion and to be received into said slot, and adapted

at its rear end for engagement with one of the stretcher chains, a U-shaped member pivoted at its open end to said curved portion at approximately its middle part and extending forwardly sufficiently to permit its closed end to clear the forward end of said curved portion of the operating lever, to adapt said member to swing upwardly and downwardly on said curved portion; a swivel in the closed end of said U-shaped member for engagement with



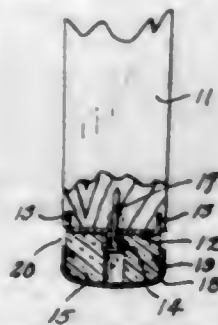
one of the stretcher chains; said member having aligned openings in its sides, and a pin to pass through said openings when the lever is swung into position to bring the convex side of the curved end portion of the operating lever inwardly beyond said openings, whereby to automatically hold the lever against a return movement, and also to positively lock it against accidental return movement.

1,518,770. VEHICLE BRAKE-OPERATING MECHANISM. ROBERT J. BURNOWS, Buchanan, Mich., assignor to Clark Tractor Company, Buchanan, Mich., a Corporation of Michigan. Filed May 17, 1923. Serial No. 639,492. 5 Claims. (Cl. 188-109.)



1. The combination with a motor-driven vehicle comprising a propeller shaft, of a brake-drum on said shaft, a brake-band around said drum, a vertically-movable seat on the vehicle, an arm depending from said seat, means connecting said arm with said brake-band, and a spring connected with said arm and adapted when the seat is unoccupied to cause a raising of the seat and a tightening of the brake band on said drum.

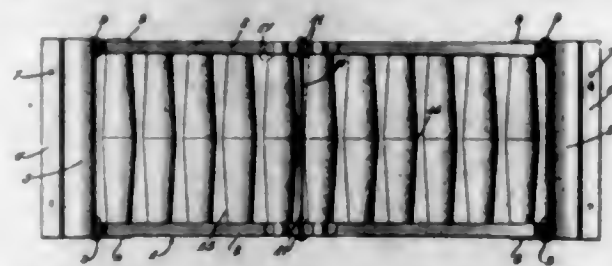
1,518,771. CHAIR-LEG CUSHION. ARTHUR B. CAMPBELL, Bridgeport, Conn. Filed Nov. 24, 1922. Serial No. 603,126. 5 Claims. (Cl. 16-42.)



1. A tip for a furniture leg comprising a plate, means for securing the plate to the end of the leg, means for securing a yieldable cushion to the plate, a metal cover embracing the lower end and sides of the cushion and

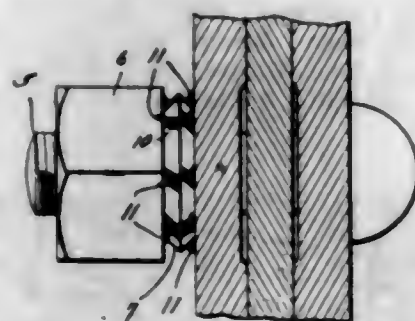
spaced from the end of the leg, and means on the sides of the cover for securing the cover to the cushion independently of the means for securing the cushion to the leg.

1,518,772. CATTLE GUARD. HARRY F. CARDEN, Lawrenceburg, Tenn. Filed Mar. 27, 1923. Serial No. 628,159. 2 Claims. (Cl. 256-16.)



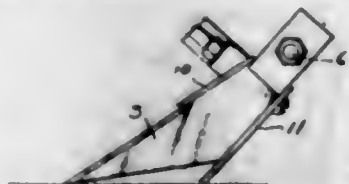
1. A cattle guard comprising a frame, and rollers journaled in the frame, each roller being tapered from its intermediate portion continuously toward its ends.

1,518,773. LOCK WASHER. HARRY F. CARDEN, Lawrenceburg, Tenn. Filed Sept. 8, 1923. Serial No. 661,626. 1 Claim. (Cl. 151-35.)



In a device of the character described, a spring washer including a body portion having inclined outer surfaces, pairs of ribs disposed on the inclined surfaces, one rib of each pair being cut away at one end thereof to provide a clearance to allow the opposite blade of the pair to cut into the metal surface disposed adjacent thereto, to cut locking tongues therefrom.

1,518,774. AGRICULTURAL IMPLEMENT. ALBERT I. CONRAD, Pasadena, Calif. Filed Jan. 3, 1921. Serial No. 434,694. 1 Claim. (Cl. 55-10.)

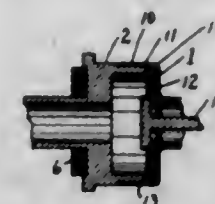


In an implement of the character described, the combination of a head comprising a plurality of cutting blades extending transversely of said head and having sharpened front edges and blunt rear edges, said blades being adapted to engage the ground, with their sharpened edges at a predetermined angle thereto, and a bar extending lengthwise of said head and engaging the back edges thereof, and means for adjusting said bar longitudinally of said blades to vary the angle of the edges of said blades with the ground level.

1,518,775. FAUCET. HENRY G. CORDLEY, Glen Ridge, N. J., and GEORGE R. LONG, Waterbury, Conn. Filed Jan. 7, 1924. Serial No. 684,827. 1 Claim. (Cl. 251-137.)

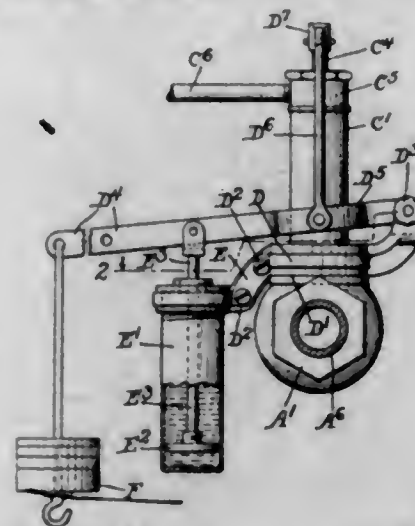
In a faucet of the type described having a shell provided with an internally threaded rearwardly extending flange and a base portion having an inlet opening

through it and provided with a forwardly extending flange screwthreaded to fit the flange of the shell, an annular gasket of the resilient material surrounding the discharge opening, and a relatively narrow annular



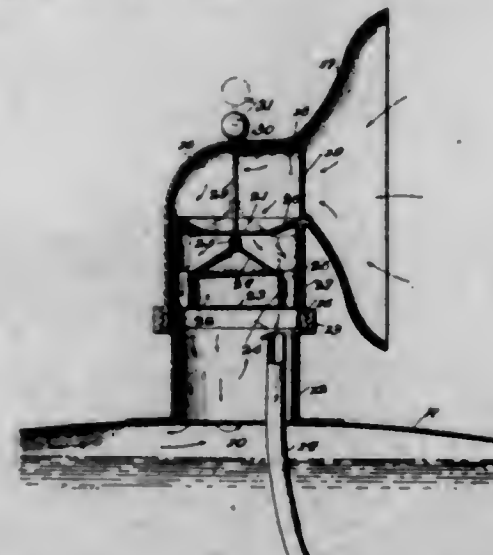
ridge formed on the inner edge of the inner end of the flange of the base portion adapted to enter the material of the gasket at a distance from its periphery insuring a tight joint without unduly spreading or depressing the gasket.

1,518,776. CONTROL FOR REGULATING VALVES. GEORGE C. DAVIS, Chicago, Ill., assignor to G. M. Davis Regulator Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 28, 1922. Serial No. 597,451. 6 Claims. (Cl. 50-10.)



1. In combination with a valve housing, a valve controlling element mounted thereon, a supported valve adapted for rotary movement about the axis perpendicular to the axis of the pipe line in which the housing is connected to permit angular adjustment of the controlling element without varying the valve adjustment.

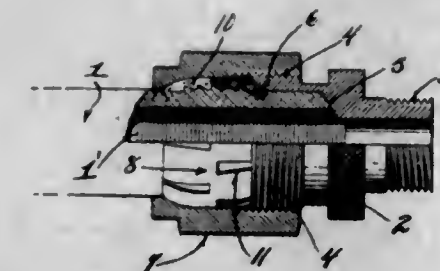
1,518,777. RADIATOR FOR INTERNAL-COMBUSTION ENGINES. WILLIAM JOSEPH DRUCKER, Pittsburgh, Pa. Filed Oct. 23, 1922. Serial No. 596,512. 6 Claims. (Cl. 257-25.)



1. An attachment of the character described, comprising a nipple terminating at its one end in a laterally extending bell-shaped member, a valve member within the

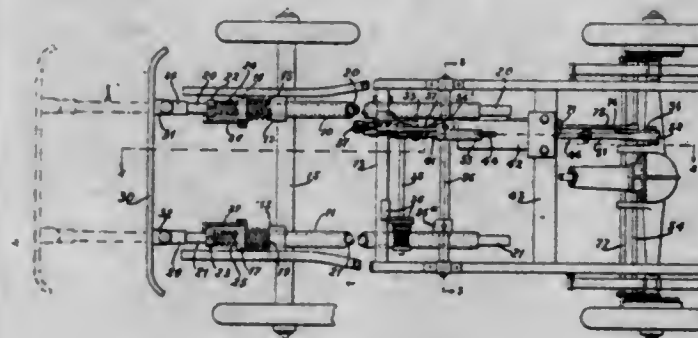
nipple adapted to permit free passage of air in either direction and adapted to move upward upon a predetermined amount of liquid pressure therebeneath and close the passage through said nipple, and a visible signal element carried by said valve member and exposed exteriorly of said nipple.

1,518,778. HOSE COUPLING. JOSEPH P. EASTMAN, Manitowoc, Wis. Filed Dec. 21, 1920. Serial No. 432,220. 1 Claim. (Cl. 285-87.)



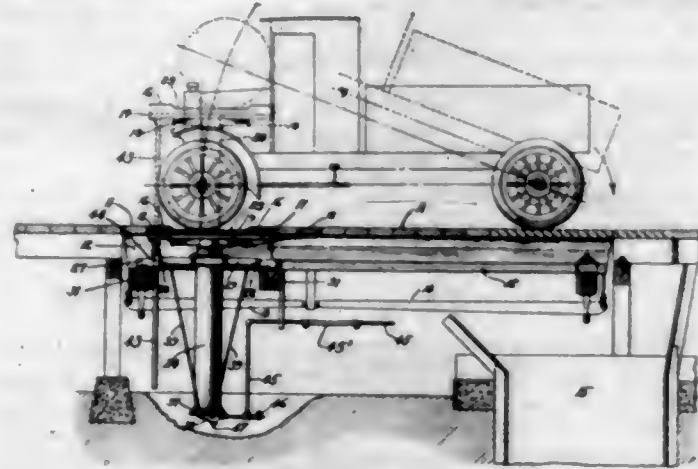
The combination of a flexible tubing having a non-elastic inner core, of a coupling comprising a member having a bore for receiving one end of said tubing, a ring surrounding said tubing and having staggered kerfs extending from opposite edges thereof, and a compression sleeve surrounding said tubing and threaded to said member, said member and said sleeve having oppositely extending concave faces and said ring having a convex outer portion adapted to cooperate with said faces, said ring having a plurality of inwardly directed teeth, all of such teeth extending towards the said end of such tubing, whereby when said sleeve is screwed upon said member, the teeth of said ring are caused to bite into said flexible tubing, the nonelastic core of said tubing preventing collapsing thereof.

1,518,779. BUMPER. ANTHONY A. ELNITSKY, New York, N. Y. Filed Oct. 30, 1923. Serial No. 671,736. 10 Claims. (Cl. 180-83.)



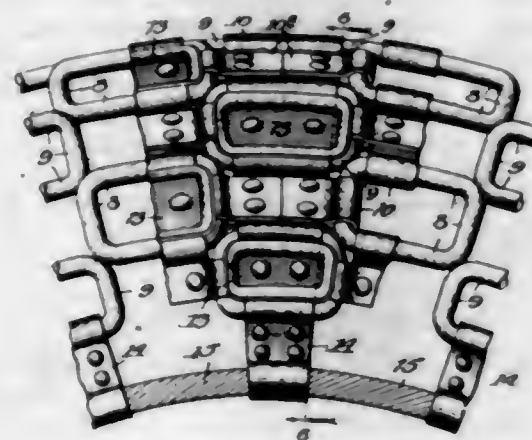
1. In combination, a vehicle provided with emergency brakes; a fender yieldably supported in normal operative position near the front of the vehicle and movable forwardly to operative position relatively remote from the front of the vehicle; and mechanism cooperating between the fender and said emergency brakes for automatically applying the brakes when the fender is in either the near or remote operative position and is yieldingly moved by contact with an obstacle.

1,518,780. DUMPING PLATFORM. MARCUS A. ERICKSON, Minneapolis, Minn., assignor to Strong-Scott Mfg. Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Sept. 6, 1923. Serial No. 661,196. 8 Claims. (Cl. 187-9.5.)



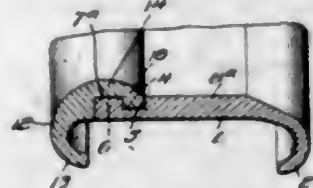
5. A weighing scale platform having a section thereof mounted for vertical movement and adapted to support the forward wheels of a vehicle, means for raising and lowering said section, and a guard device mounted to be raised and lowered with said section for the purpose specified.

1,518,781. TIRE ARMOR. JOSEPH FERRO, Springfield, Ill. Filed Sept. 22, 1923. Serial No. 664,272. 3 Claims. (Cl. 152-16.)



1. A tire armor comprising links in series provided to extend transversely with relation to the circumference of the armored tire, connectors having arms flexibly connecting adjacent links in clusters thereof, and covers closing the link-openings.

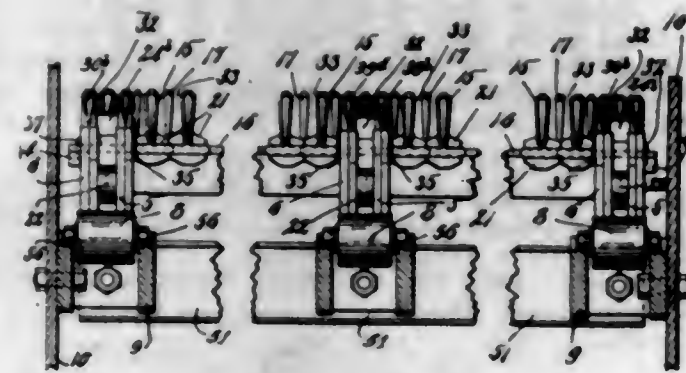
1,518,782. TIRE RIM. JOHN A. FLORE and HERMAN McCARLEY, Christopher, Ill. Filed May 10, 1924. Serial No. 712,249. 3 Claims. (Cl. 301-35.)



1. A demountable rim including a major band, a minor band, and means for securing the bands against relative rotation, the major band having an annular rabbet in its inner side provided with a radial annular shoulder and a cylindrical surface, spaced wedge shaped lugs extending inwardly from said cylindrical surface, said minor band having an annular rabbet in its outer side provided with a radial annular shoulder and a cylindrical surface adapted to respectively engage one

side edge and the cylindrical surface of the major band, pockets interrupting the cylindrical surface of the minor band and adapted to receive said lugs, the inner surface of the minor band being convexly curved transversely from one side edge of the minor band to the inner face of the major band.

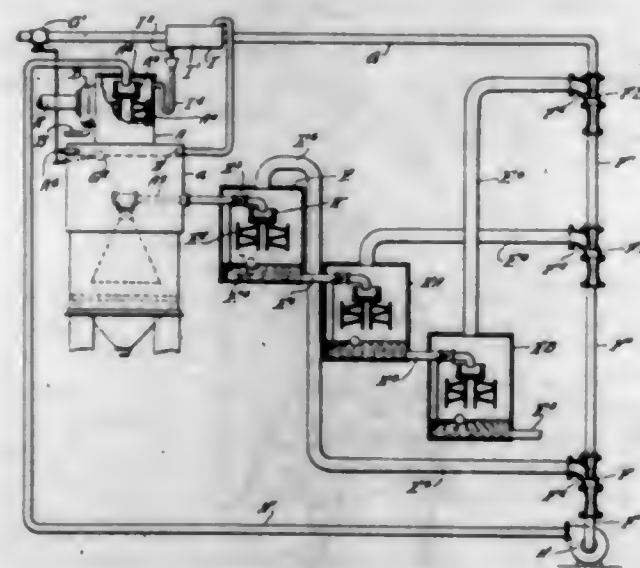
1,518,783. TRAVELING GRATE. FRANK B. FORREST, Medford, Mass. Filed Dec. 23, 1918. Serial No. 267,961. 11 Claims. (Cl. 110-40.)



1. In a traveling grate, a series of transversely aligned assembling bars, means for providing a sectional fuel bed comprising a series of fuel plates rhomboidal shaped in plan, mounted on each assembling bar and having their ends adapted to overlap to substantially the center of each adjoining assembling bar and aligned end to end in rows.

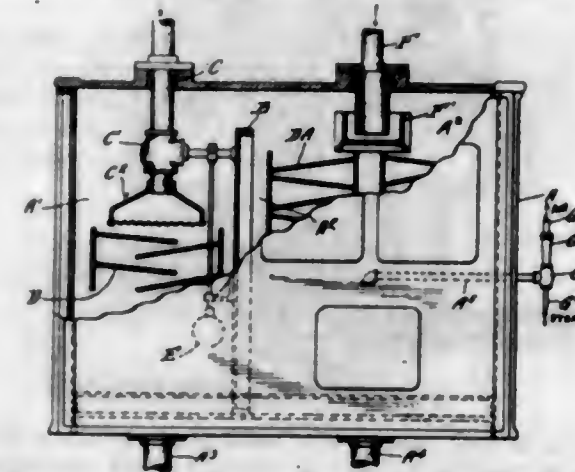
3. In a traveling grate, means for providing a sectional fuel bed comprising a series of fuel plates rhomboidal shaped in plan interfitting with each other and having draft spaces intervening between and entirely surrounding them clear to the fire level.

1,518,784. METHOD AND APPARATUS FOR PURIFYING WATER. GEORGE HERBERT GIBSON, Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 13, 1921. Serial No. 461,075. Renewed July 15, 1924. 13 Claims. (Cl. 183-25.)



1. The method of purifying water which consists in heating water to a temperature approximating 212° in a heater and then cooling the water by reducing its pressure in successive stages to a pressure appreciably below that of the atmosphere, and condensing the vapor generated on each reduction in pressure by direct contact with the raw water to be denatured and passing the raw water with its condensate to said heater.

1,518,785. HEAT EXCHANGER. GEORGE H. GIBSON, Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Apr. 13, 1921, Serial No. 461,075. Divided and this application filed Dec. 19, 1921. Serial No. 523,548. 3 Claims. (Cl. 261-114.)



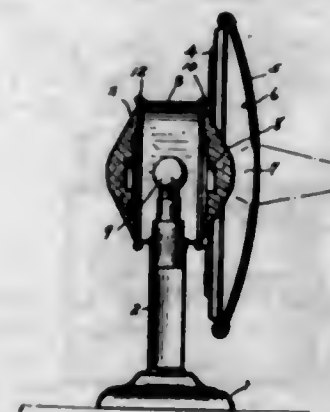
1. Means for transferring heat from one liquid to another comprising a single closed chamber, a partition therein dividing the lower portion of each chamber into two separate water compartments, each in free communication at its upper end with the upper end of the other, means for passing the hotter liquid into one of said compartments at a temperature above that of saturated vapor of the liquid at the vapor pressure prevailing in said chamber, means for passing the colder liquid into the other compartment, and separate means for withdrawing water from the two compartments.

1,518,786. INDICATOR. WALTER R. GRISWOLD, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 28, 1924. Serial No. 695,685. 10 Claims. (Cl. 88-14.)



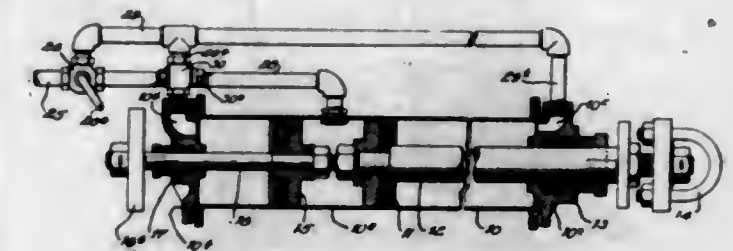
10. The combination in an indicating mechanism of a scale of light transmitting material having an opaque surface strata, and scale divisions comprising translucent windows formed in said surface strata.

1,518,787. LAMP. GEORGE L. HALL, Newark, N. J., assignor to Clox-Lite Mfg. Company, Inc., Perkasie, Pa., a Corporation of Delaware. Filed June 24, 1921. Serial No. 480,229. 13 Claims. (Cl. 240-7.)



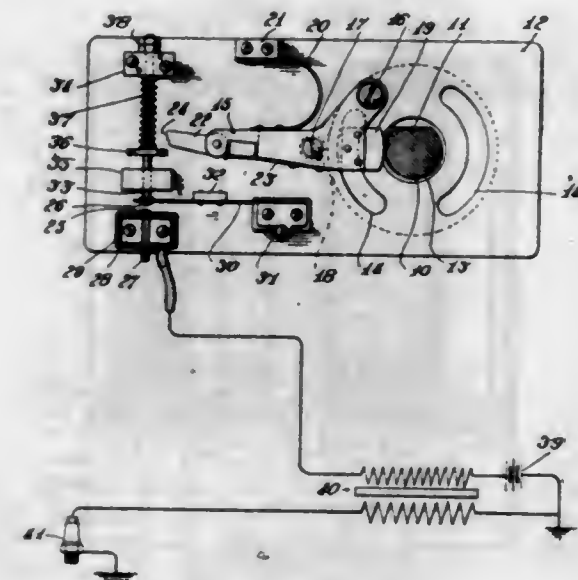
1. In a device of the character described, a lamp chamber larger at one end than at the other, light transmitting means at the other or smaller end, and a mirror in the larger end having a transparent portion through which light can pass, and a source of illumination in the chamber.

1,518,788. FLUID-ACTUATED MECHANISM. JOHN C. HANNA, Chicago, Ill., assignor to Hanna Engineering Works, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,380. 13 Claims. (Cl. 121-46.)



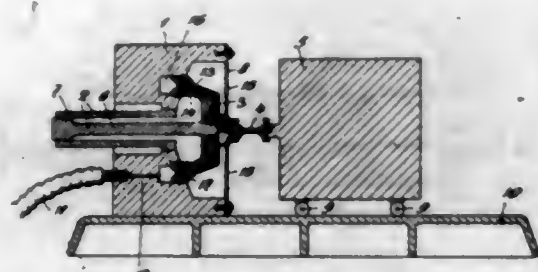
6. In a device of the class described, a cylinder, a pair of relatively movable pistons of lesser and greater effective areas respectively, means to apply actuating fluid to the effective areas of said pistons to move a weight, means to permit the exhaust of said actuating fluid under actuation of said pistons during return movement of said weight, and means to restrict the exhaust of the actuating fluid utilized to actuate one of said pistons, said restricting means being adjustable.

1,518,789. INTERRUPTER MECHANISM. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 14, 1921. Serial No. 522,433. 4 Claims. (Cl. 200-30.)



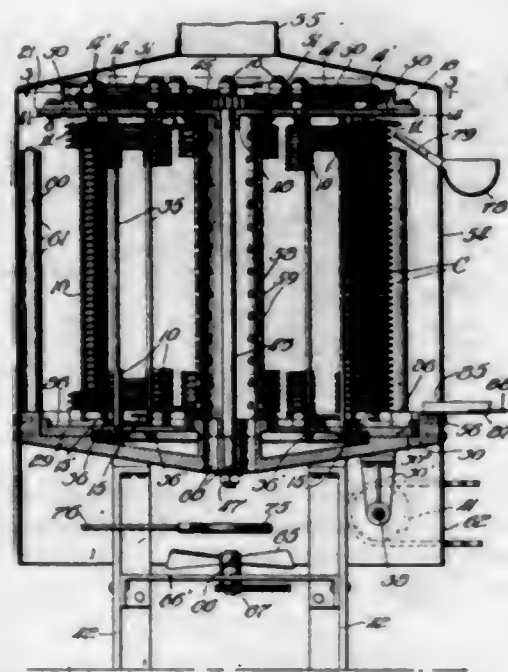
4. An ignition circuit interrupter mechanism comprising a plate having an opening therein for the reception of an engine shaft having a cam surface, a stationary contact carried by said plate, a movable contact disposed adjacent said stationary contact but normally out of engagement therewith, a leaf spring by which said movable contact is carried, said movable contact being mounted upon one end of said leaf spring, the other end of said leaf spring being fixed with respect to the plate, a hammer mounted for reciprocation in a line co-incident with said contacts, a spring associated with said hammer and normally urging same toward the movable contact, a lever arm provided with a follower adapted to co-operate with said shaft, spring means normally holding said follower in engagement with said shaft, and a finger adapted to move independently of said hammer when said lever is moved under the influence of its associated spring means, said finger adapted to engage the hammer, move the hammer against the action of its associated spring means and release it when the lever is moved under pressure applied to said follower by the engine shaft.

1,518,790. MACHINE FOR TESTING MATERIALS. HEINRICH HECHT and WILHELM RUDOLPH, Kiel, Germany, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany, a Firm. Filed Oct. 30, 1923. Serial No. 671,815. 8 Claims. (Cl. 73-51.)



1. The method of actuating a device for testing materials by alternating stresses produced by oscillations of a vibratory structure acting upon a test piece of the material, which comprises causing a unidirectional stream of fluid to impinge against a portion of the vibratory structure in such manner that the latter is set in vibration.

1,518,791. DRYING MACHINE. GUSTAV W. HEDSTROM, Chicago, Ill., assignor of one-half to Peter W. Fulford, Chicago, Ill. Filed Dec. 24, 1923. Serial No. 682,412. 29 Claims. (Cl. 34-11.)

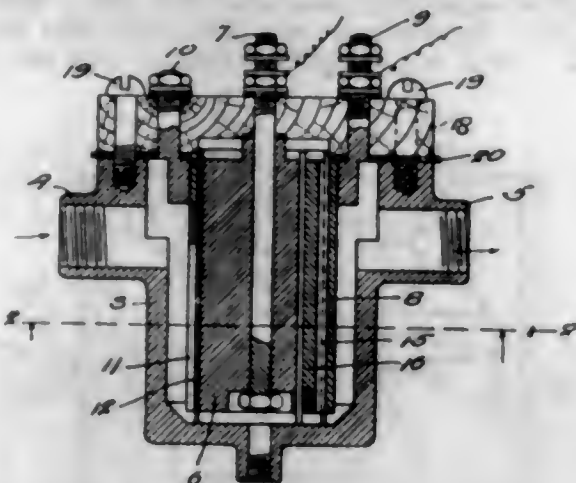


4. In a can-end drying machine, a pair of swinging arms swingable about a common pivot and carrying between their ends bearings, a pair of spaced and threaded lifter shafts mounted to rotate in said bearings, a pair of non-meshing gears fixed to said shafts, and a single gear meshing with said pair and constituting part of a driving gear train to rotate said shafts.

1,518,792. AUTOMATIC CONTROL OF OIL DEHYDRATORS. EDWARD J. HUNT, West Orange, N. J. Filed Nov. 4, 1921. Serial No. 512,925. 3 Claims. (Cl. 204-25.)

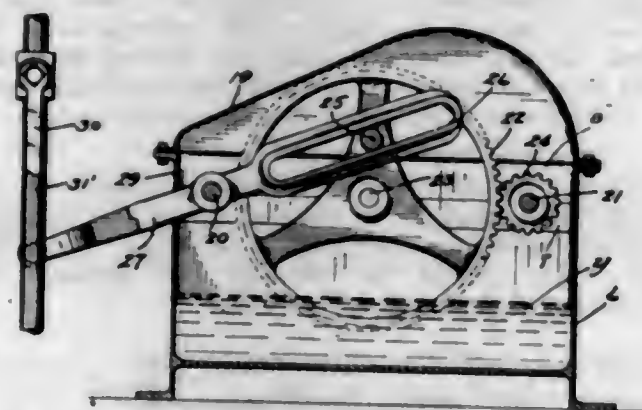
1. In a motor-actuated dehydrating device adapted to be connected to an oil container, an electric supply circuit therefor, an electro-magnetic control device in said circuit, a moisture trap having a chamber to entrap any water particles that may be present in the oil, a pair

of electrodes connected in circuit with said electro-magnetic device, and a moisture-absorbing medium normally insulating said electrodes, whereby when the presence of moisture impairs the insulating property of said medium an electric current is caused to flow through said electro-magnetic control device.



ence of moisture impairs the insulating property of said medium an electric current is caused to flow through said electro-magnetic control device.

1,518,793. PUMP JACK. LEO J. HUSA, Shakopee, Minn. Filed Mar. 14, 1924. Serial No. 699,232. 2 Claims. (Cl. 74-14.)



1. A pump jack comprising a box-like main case section, a supplemental case section detachably seated on said main case section, a pair of laterally spaced spur gears journaled to said supplemental case section, a wrist pin rigidly connecting said two gears, a lever intermediately pivoted to said supplemental case section and having a slotted end working between said gears and through the slot of which said wrist pin is arranged to work, and a driving shaft equipped with pinions meshing with said two gears, said lever, gears, pinions and their shafts being removable from said main case section with said supplemental case section.

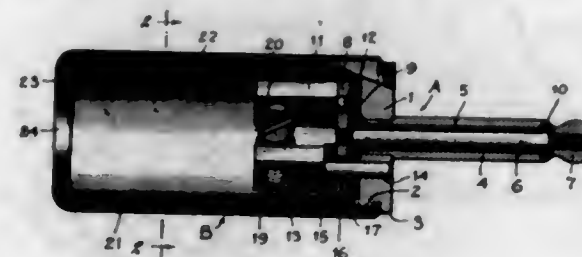
1,518,794. DOUBLE VOICE FOR TOYS. THEODORE HUTNIKOW, Brooklyn, N. Y. Filed Jan. 12, 1922. Serial No. 528,715. 3 Claims. (Cl. 46-46.)



1. A double acting sound producer for toys comprising a body, perforated discs secured between the inner walls of said body in spaced relation to each other to form a chamber, a stem secured to one of said discs, a sleeve sliding along said stem, a weighted perforated disc to which said sleeve is secured with one of its ends, a

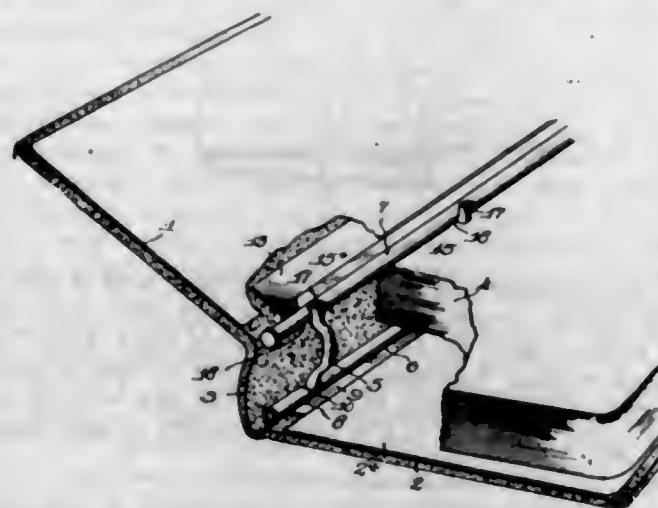
bellows in said chamber, means for producing a sound by the air escaping through the perforation of said discs upon the operation of said bellows in either direction, and means for articulating the sound produced at one end of said body for producing a "ma-ma" voice.

1,518,795. ELECTRIC CONNECTER. JOSEPH STANBURY JONES, Brooklyn, N. Y., assignor to Chas. Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1922. Serial No. 593,272. 3 Claims. (Cl. 173-361.)



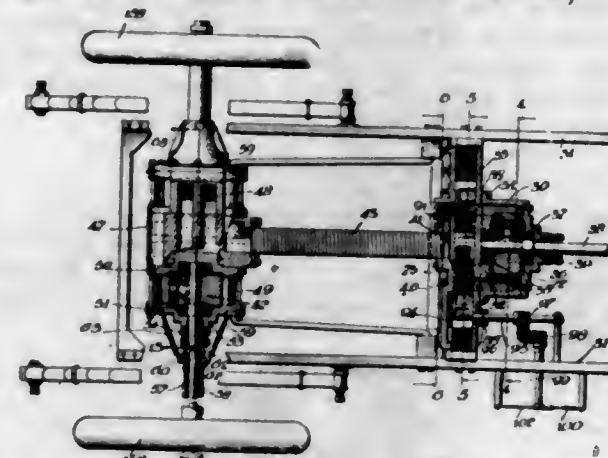
1. A plug for electrical circuits comprising a substantially cylindrical handle and casing member having a wall at one end apertured to admit a cable, and an internal thread at the other end, a metal base member screwed into the threaded end of the handle, a contact sleeve secured in a central aperture in the base, a contact knob at the end of the sleeve and insulated therefrom, a stem passing through the sleeve and insulated therefrom and secured to the contact knob, an insulator on the inner face of the base, a metal terminal bushing on said insulator and connected to the inward end of said stem, a metal terminal post secured to said bushing, another metal terminal post insulated from the bushing and provided with a stem passing through the bushing and secured to the base, the posts extending substantially parallel within the handle member, the posts having longitudinal holes extending inward from their free ends and terminal screws inserted in the posts and arranged substantially parallel with their heads in opposite directions and with the screw ends arranged to intersect the longitudinal holes to secure wire ends or pin terminals.

1,518,796. LOOSE-LEAF BINDER. JOSEPH KAHN, Chicago, Ill. Filed Jan. 31, 1924. Serial No. 689,634. 9 Claims. (Cl. 129-24.)



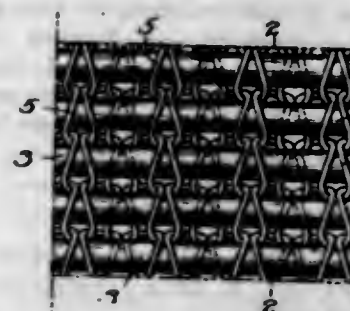
1. In a loose leaf binder the combination of a cover, a post extending transversely of said cover and secured thereto at one end, and means for locking the other end of said post, comprising a fixed tubular member secured to the cover and provided with a recess to receive the end of said post, a slidable member mounted on said fixed member and having an opening adapted to register with the recess of said fixed member to guide the end of said post into position for locking and a locking member fixed to said slidable member and shiftable into and out of locking engagement with said post.

1,518,797. FLUID-TRANSMISSION DEVICE. WILLIAM EDWARD KAY, Elyria, Ohio. Filed May 27, 1920. Serial No. 384,665. 19 Claims. (Cl. 60-53.)



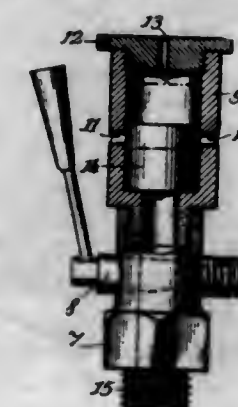
1. A fluid transmission comprising a forward unit including a motor driven pump having a fluid intake port and a fluid outlet port at each side thereof, a rear motor unit having pairs of intake and outlet ports including a fluid intake and a fluid outlet at each side thereof, a single pair of flexible conduits between the forward and rear units, each in permanent communication with a pair of said motor ports, and a controlling device between said pump unit and the forward ends of said conduits having means to place the intake port and outlet port at one side of the pump unit separately in communication with said conduits and at the same time place the intake and outlet ports at the opposite side of the pump unit in intercommunicating relation and cut off the same from the conduits.

1,518,798. ELASTIC FABRIC. THOMAS FRANK KENDRICK, Philadelphia, Pa. Filed Apr. 23, 1923. Serial No. 633,923. 8 Claims. (Cl. 66-4.)



1. An elastic fabric comprising normally flat strips of rubber arranged side by side and cooperating threads retaining the strips of rubber within the fabric distorted from their normally flat condition.

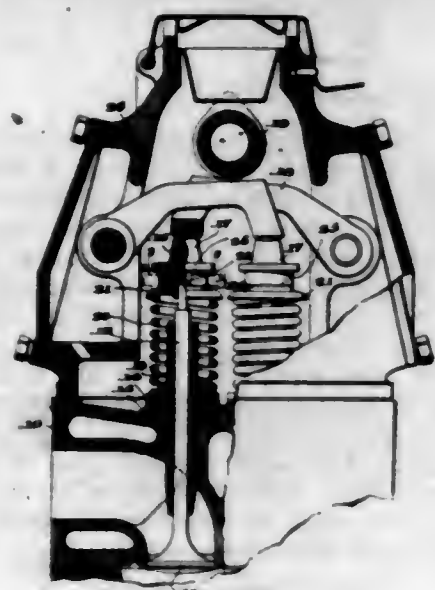
1,518,799. INTERNAL-COMBUSTION ENGINE. RICHARD KRUTINA, Zug, Switzerland. Filed June 3, 1924. Serial No. 717,545. 7 Claims. (Cl. 123-97.)



1. An attachment to the cylinders of internal combustion engines for obtaining braking effects with said engines, comprising a casing fixed to the engine cylinder, a piston movable in said casing and controlling discharge

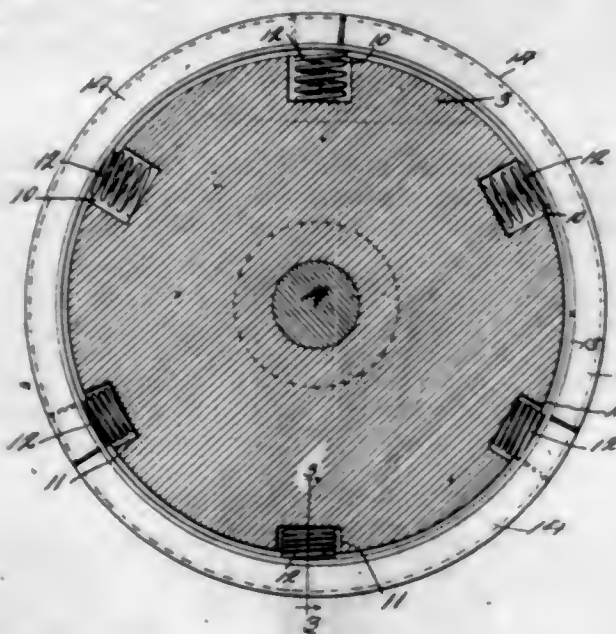
openings provided, in the latter, and an air cushion device cooperating with said piston, the movements of the piston being so controlled by the compression and suction action of the reciprocating engine and by the air cushion when the casing is opened that the piston uncovers the discharge ports and permit the escape of the compressed air from the engine cylinder, whereby the latter acts as a compressor.

1,518,800. HYDROCARBON MOTOR. EUGENE M. G. LEFÈRE, Paris, France, assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 1, 1920. Serial No. 362,593. 1 Claim. (Cl. 251-134.)



In a hydrocarbon motor, the combination with a valve, its spring and its operating devices, of a stem having a threaded end portion with a circumferential squared intermediate portion, a dish member forming an abutment for the spring and slidably mounted on the squared portion of said stem, and a nut adapted for cooperation with the end portion of the stem, said nut having toothed means for engaging the dish member to prevent relative rotation therebetween.

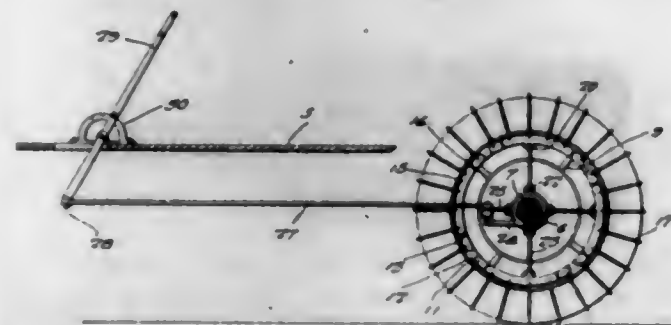
1,518,801. PISTON. JOHN OLIVER MCARTHUR, Philadelphia, Pa. Filed Oct. 4, 1923. Serial No. 666,500. 6 Claims. (Cl. 74-109.)



1. The combination with a piston, said piston being horizontally disposed in a horizontal cylinder, a packing ring carried by said piston, of spring means cooperating with the packing ring and piston for supporting the

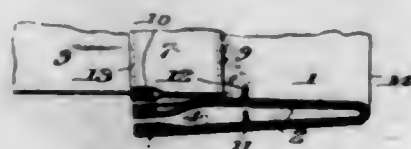
weight of the piston in axial relation to the cylinder, said spring means comprising a plurality of springs of the same size and tension, the springs at the lower side of the cylinder being compressed more than the springs at the upper side thereof.

1,518,802. TRACTION ATTACHMENT FOR VEHICLE WHEELS. ALPHONSUS L. MCCAULEY, Exeter, Pa. Filed Jan. 21, 1924. Serial No. 687,567. 2 Claims. (Cl. 301-48.)



1. A traction attachment for vehicle wheels including a ring of angular cross section adapted to be rigidly secured against the inner side of the wheel felly and including an outer axially extending flange provided with a circular series of openings, and an inner radial flange flatly engaging the felly and provided with axially extending guide pins, a plurality of arcuate shoes arranged in end to end relation adjacent to and inwardly of the axially extending flange of the ring, and provided with end radial slots of elongate form through which said guide pins project for permitting radial movement of the shoes and guiding the same in such movement, radial spurs projecting outwardly through the openings in the axially extending flange of the ring and having their inner ends attached to said shoes and supporting and operating means for the shoes manually operable for retracting the spurs inwardly beyond the tread of the vehicle tire or outwardly beyond the latter at will.

1,518,803. REVERSIBLE CUFF. JOHN I. McDONALD, St. Joseph, Mo. Filed Dec. 6, 1923. Serial No. 678,956. 2 Claims. (Cl. 2-123.)

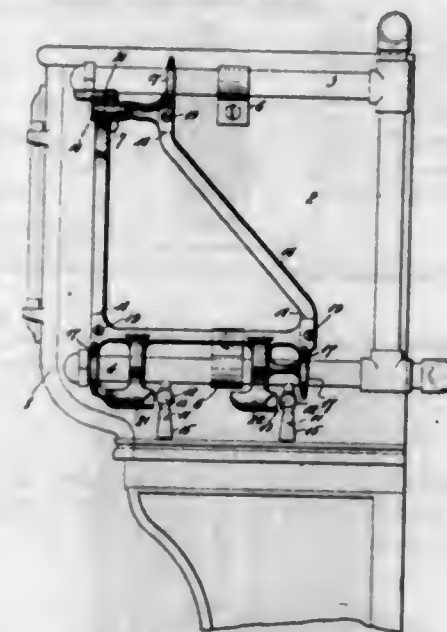


1. A reversible, fold-over cuff provided with a fly secured thereto nearer one end of the cuff than the other end thereof, said fly being composed of plies which are finished at their free edges but left open to form a mouth adapted to receive, and to conceal, the raw edge of the shirt sleeve when the cuff is being attached to said sleeve.

1,518,804. GUARD FOR VALVES OF GAS OVENS. JAMES MCGOVERN, Taunton, Mass., assignor to The White-Warner Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 2, 1923. Serial No. 672,450. 4 Claims. (Cl. 126-42.)

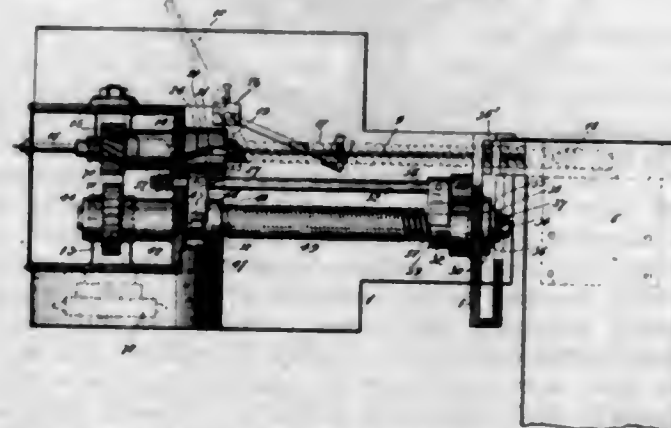
1. The combination with a gas oven having separate burners, of separate spaced manifolds arranged exterior of the oven and valves controlling the flow of gas from the respective manifolds to the respective burners, a frame mounted to slide upon said manifolds, and guards carried by said frame for preventing opening of the

valves when closed, said guards being so arranged that upon moving said frame into a determinate position the valve controlling the flow of gas from one manifold to one



of the burners will be left unguarded and the valve controlling the flow of gas from the other manifold to the other burner will be guarded.

1,518,805. CANDY-CURLING MACHINE. WILLIAM P. MCGRAW, Boston, Mass., assignor to Noble Jackson Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 27, 1922. Serial No. 590,984. 10 Claims. (Cl. 107-4.)



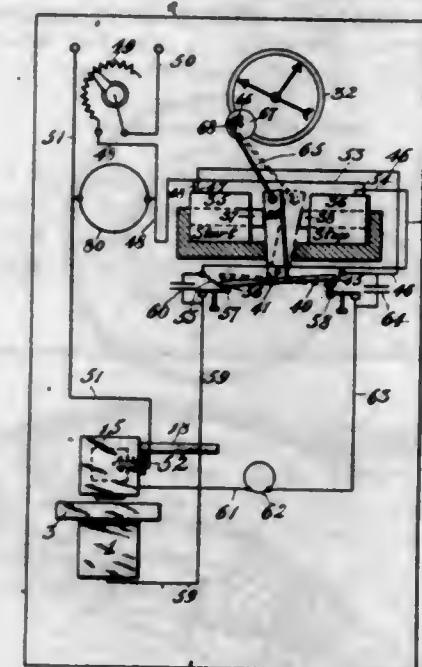
1. In a machine of the type specified, the combination comprising a rotary spindle on which the work is curled, means for rotating the spindle, means for displacing the work along the spindle to project in part beyond the end of the spindle during the rotation thereof, a knife for severing the work thus projecting, an elastic member releasable when distorted to operate said knife at determinate intervals during the operation of the machine, and means for distorting said member at determinate intervals during the operation of the machine.

8. In a machine of the type specified, the combination with a work curling and displacing mechanism and driving mechanism therefor, of a knife for severing the work as displaced, a rotary mounting for the knife, a releasable stop, an elastic member operatively connected to the knife and operating when distorted to actuate the knife on the release of the stop, means whereby the elastic member will be distorted by the driving mechanism, and means for releasing the stop at determinate intervals when the elastic member is distorted.

1,518,806. PAPER TESTER. EVERETT A. MAHANNAH, North Tonawanda, N. Y. Filed Sept. 12, 1921. Serial No. 500,115. Renewed May 4, 1924. 29 Claims. (Cl. 161-1.)

1. A tester of the character described comprising two dies between which a sheet of paper to be tested is placed,

means for supplying a liquid to the dies, an electrically controlled timing mechanism, the circuit of which is



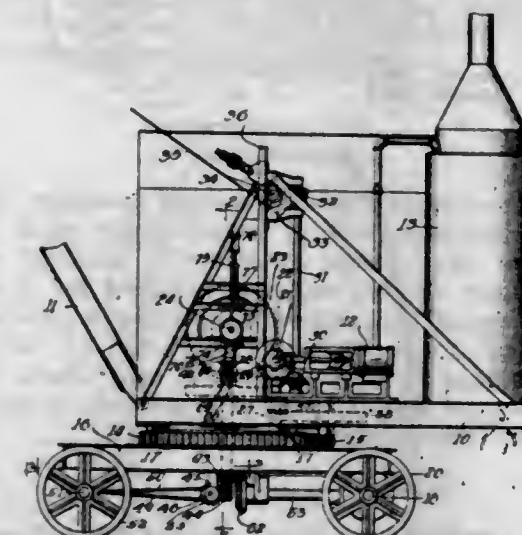
closed through the paper when the same has become saturated with the liquid.

1,518,807. PROCESS IN FROSTING GLASS AND COMPOSITION TO BE USED THEREIN. CLARKE C. MINTER, New York, N. Y. Filed May 27, 1921. Serial No. 473,009. 5 Claims. (Cl. 91-68.)

1. A composition for forming a substantially colorless translucent frosting upon glass consisting of a water soluble silicate, water, and glass in finely divided particles.

4. A process of frosting glass articles comprising directing a water soluble silicate having suspended thereon finely divided particles of glass across the surface to be frosted to entirely cover said surface to be frosted with a film of said solution having disseminated therethrough said particles of glass or the like, exposing said glass article to contact of said film of said solution with the air to cause the formation of a solid film from said solution, and after the formation of said solid film washing said surface with water to remove any water soluble residue.

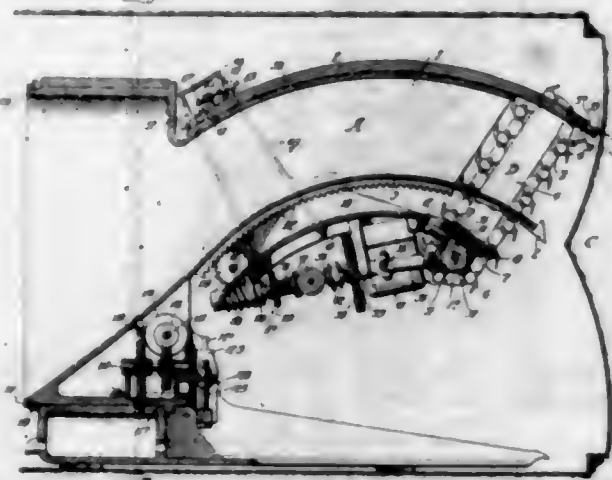
1,518,808. STEERING MECHANISM FOR LOCOMOTIVE CRANES. ROY S. MOORE, Chicago, Ill., assignor to The Moore Speedcrane, Inc., a Corporation of Indiana. Filed July 17, 1920. Serial No. 397,077. 7 Claims. (Cl. 180-81.)



1. An automotive truck, having a swing body supported on the truck by a hollow driving shaft about which the body is adapted to swing, a rotatable drum

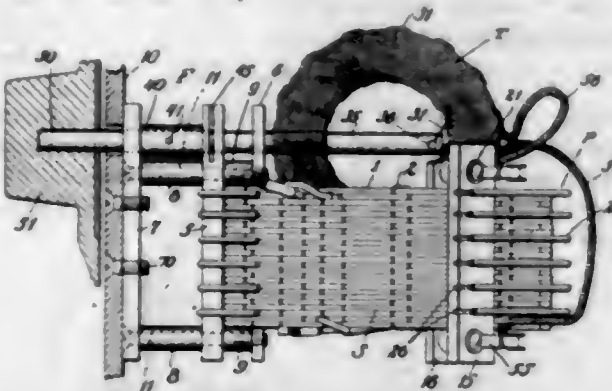
mounted on the swing body, a clutch adapted to rotate with the drum, and a rotatable power shaft extending downwardly through the driving shaft, and operably related at its lower extremity to steering wheels carried by the truck and operably related at its upper end to the clutch.

1,518,809. MINING MACHINE. EDMUND C. MORGAN, Chicago, Ill.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed July 6, 1914. Serial No. 849,018. 121 Claims. (Cl. 262-5.)



1. The combination with a frame, of a curved receiving chute carried thereby, a pair of cutting mechanisms on said frame for cutting side kerfs, an additional cutting mechanism supported by said frame and curved to conform to the curvature of the said chute, and means for operating said additional cutting mechanism to cut a kerf intersecting the kerfs cut by said pair of side kerf-cutting mechanisms.

1,518,810. INDUCTANCE OR TUNER. LEWIS A. MORRISON, New York, N. Y. Filed Sept. 18, 1924. Serial No. 738,982. 29 Claims. (Cl. 171-119.)

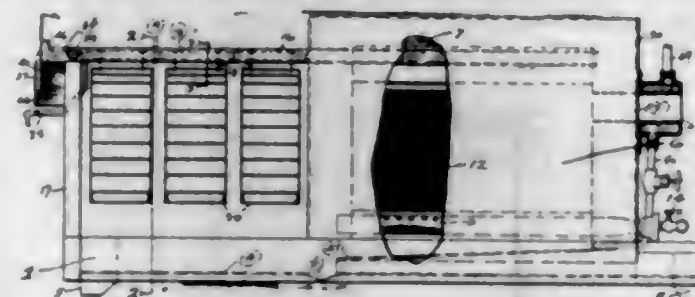


19. Inductance apparatus of the class described, comprising an inductance coil of substantially rigid and self-supporting form, pieces of dielectric material connected to support the coil and also arranged for mounting in radio apparatus, narrow supporting members of dielectric material secured to and supported by the coil in spaced relation to each other and said pieces, and another inductance supported by said members in spaced relation to the first inductance.

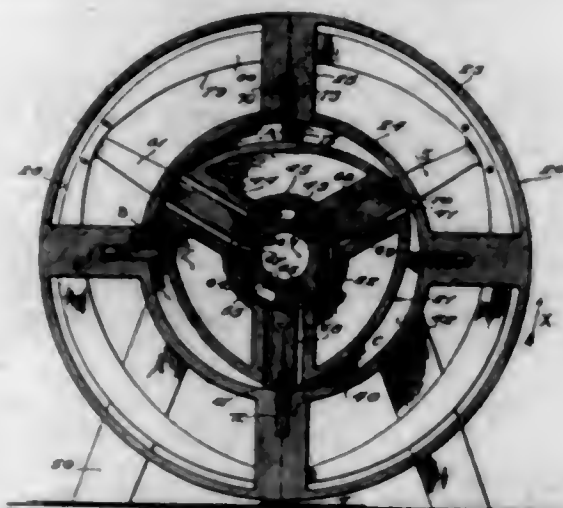
1,518,811. AUTOMATIC MEAT BROILER. HOWARD SLATER MURRAY, Los Angeles, Calif. Filed Mar. 13, 1923. Serial No. 624,740. 6 Claims. (Cl. 161-16.)

1. A broiler comprising an open ended chamber formed of heat resisting material; spaced heating means within

said chamber; a track within said chamber; a carrier on said track and means for removably positioning articles to be cooked on said carrier and within said chamber, between said heating means for a predetermined period of time.

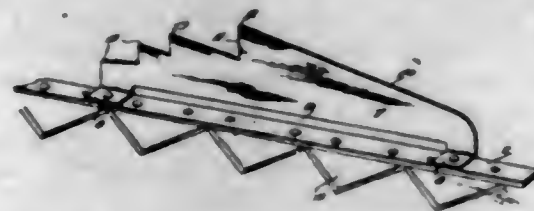


1,518,812. ROTARY ENGINE. CHARLES J. OLSON, Muskegon, Mich. Filed Dec. 7, 1922. Serial No. 605,399. 8 Claims. (Cl. 121-54.)



1. A rotary engine comprising a stationary and a revolvable member, mounted one within the other, one of said members having fixed abutments and the other of said members having yieldably mounted piston; a valve revolvably mounted in the inner one of said members and coaxially therewith, said inner member and said valve having corresponding ports adapted to register with each other when said valve is set for admitting pressure fluid to operate the engine and similarly arranged exhaust passages for spent fluid, cut-off elements for said ports, and means for operating said elements; said means including arms on said cut-off elements engaging with said revolvable member for swinging the arms in one direction, springs opposing said swinging, and a separate element adapted to break said engagement.

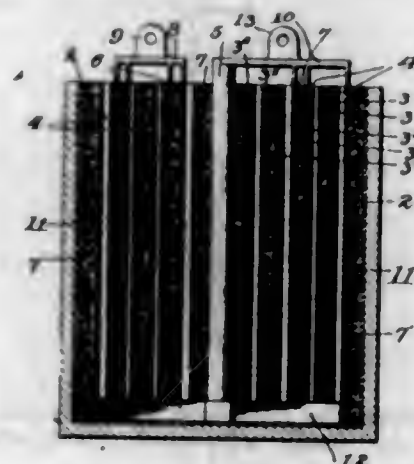
1,518,813. ATTACHMENT FOR HARVESTERS. PHILIPP ORTH, Scotland, S. Dak., assignor to Arthur Treick, Scotland, S. Dak. Filed Apr. 25, 1924. Serial No. 708,949. 1 Claim. (Cl. 56-181.)



A butt evener plate for attachment to the cutter bars of harvesters or like machines comprising a plate adapted to be set on edge, and angular extensions projecting from the lower edge of the plate to be secured upon a cutter bar and maintain the lower edge of the plate in vertically spaced relation to the cutter bar, the upper edge of the plate being inclined toward its ends and present-

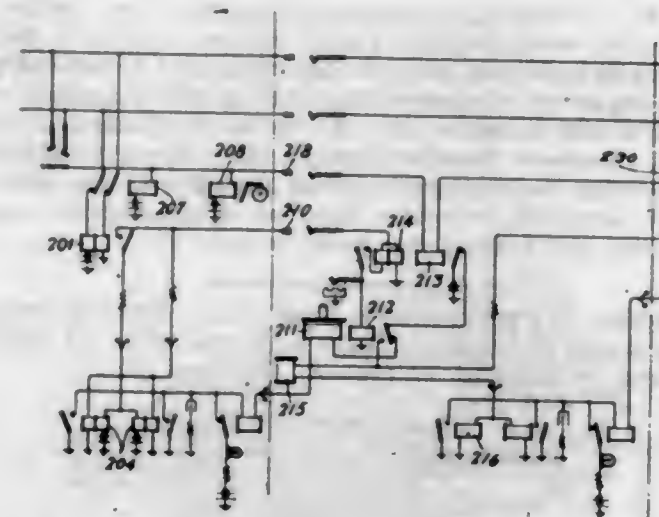
ing an inwardly projecting tooth at its highest point and a stepped series of teeth each extending relatively further inwardly than the one immediately preceding between said point and its inner end.

1,518,814. ELECTRIC BATTERY. SAMUEL B. PACK, Washington, D. C. Filed Nov. 18, 1919. Serial No. 338,916. Renewed Feb. 15, 1923. 12 Claims. (Cl. 204-29.)



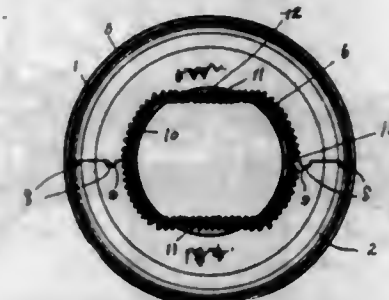
1. An electric battery having as an element porous heat-expanded cast iron.

1,518,815. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, Hyde Park, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1918. Serial No. 268,649. 14 Claims. (Cl. 170-27.)



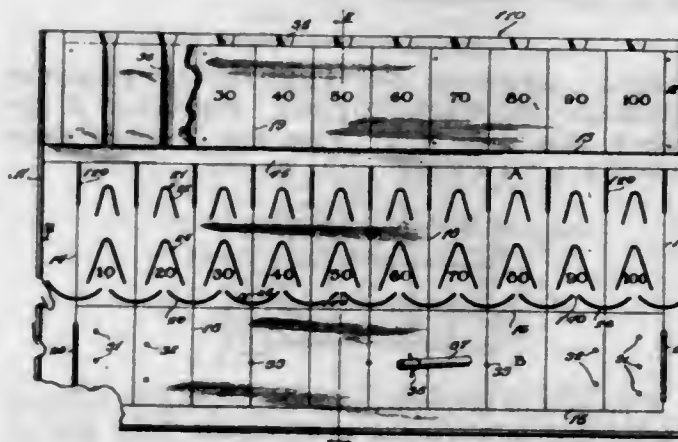
1. In a telephone system, a selective switch for extending talking connections, a second selective switch for further extending said connections, controlling mechanism for said first switch arranged to be sequentially advanced through successive positions in the operation of such switch, means effective in the normal operation of said second switch for advancing said mechanism to a given position, means for releasing the switches when said mechanism has reached said given position, and means operative after a predetermined interval if said second switch fails to progress in its normal operation to advance said controlling mechanism to said given position.

1,518,816. FLOOR OR CEILING PLATE. HERBERT S. POWELL, New Hartford, N. Y. Filed Nov. 9, 1922. Serial No. 599,957. 3 Claims. (Cl. 126-317.)



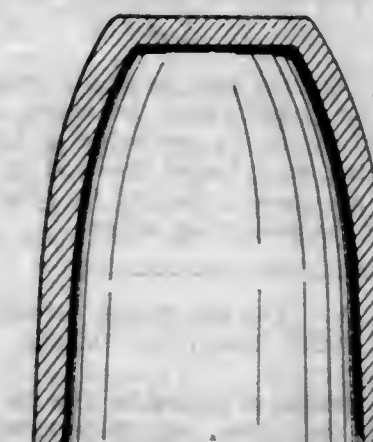
1. In a floor or ceiling plate, two semicircular shaped members having curved rims, nubs formed on one of said members and recesses in the other, whereby to fit said members together, a spring for holding said members in assembled position about a pipe and means formed on said members for holding said spring in position.

1,518,817. MECHANICAL FOOTBALL GAME. CLARENCE L. RICH, Sioux Falls, S. Dak. Filed Mar. 27, 1923. Serial No. 628,056. 12 Claims. (Cl. 46-61.)



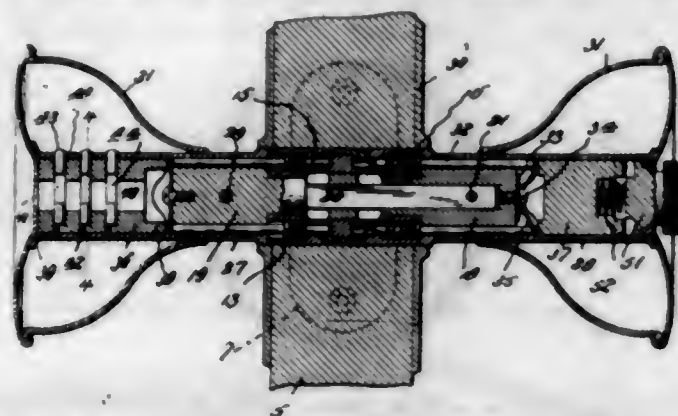
1. A game board having a field subdivided by lines into sections, a stationary chute having a passage for each of said sections and in straight alignment therewith, and means for deflecting a ball falling into one of said sections from said chute into another of the sections over said lines.

1,518,818. GRAPHITE CRUCIBLE. EDUARD RIETZ, Sao Paulo, Brazil. Filed Nov. 22, 1916. Serial No. 132,876. 8 Claims. (Cl. 263-48.)



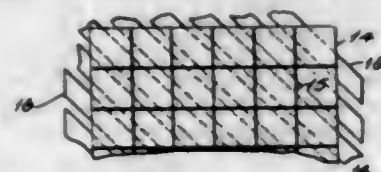
1. The described crucible consisting of graphite and compounds of the titanium group of metals.

1,518,819. COMBINED LOCK AND LATCH. CHARLES W. RODEY, Miami, Ariz. Filed Oct. 15, 1923. Serial No. 668,639. 7 Claims. (Cl. 70-91.)



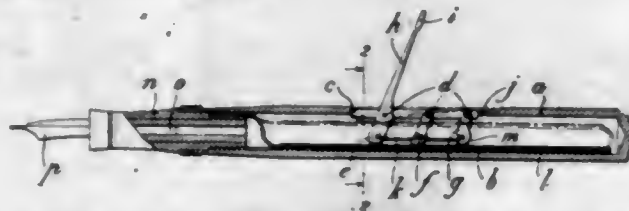
1. In a cylinder knob lock, a sliding lock bolt having retracting means including a knob spindle, and provided with sockets in opposite sides thereof, knob carrying sleeves secured to and enclosing the knob spindle, cylinders rotatable in the outer ends of said sleeve, normally released locking pins adapted to engage in the sockets of said lock bolt for preventing retraction of the latter, and means operatively connecting said locking pins and said cylinders whereby when the latter are rotated to one position, the locking pins are held in locking position and when moved in another position, said pins are allowed to move to released position.

1,518,820. METHOD OF PREPARING PARQUET FLOORING OR WAINSCOTING. HIPPOLYTE W. ROMANOFF, New York, N. Y. Filed Aug. 2, 1923. Serial No. 653,375. 4 Claims. (Cl. 20-75.)



1. A method of preparing parquet flooring or wainscoting consisting in providing a base plate with glue engaging a top plate therewith, cutting each plate separately, and securing said cut base plate to a floor in such a manner that an uninterrupted parquet floor is formed by the top plate.

1,518,821. FOUNTAIN PEN. HARRY ROSS, London, England. Filed Oct. 13, 1922. Serial No. 594,306. 2 Claims. (Cl. 120-46.)



1. A self-filling fountain pen, having a collapsible ink reservoir, a bar for compressing the same, and a plurality of connected levers for operating on the bar, one of said levers having an extended free end to cause said lever to engage and operate the bar in advance of the bar engagement of the remaining levers.

1,518,822. PENCIL. EDWARD SAADI, Brooklyn, N. Y. Filed Mar. 26, 1924. Serial No. 702,084. 6 Claims. (Cl. 120-12.)

1. A pencil comprising a casing having an opening in the wall thereof, the lower end thereof tapering and provided with an opening, a barrel slidably mounted in the lower end of said casing, said barrel adapted to hold a pencil lead, a spring for normally holding the lower end of the barrel within the lower end of the casing,

and means extending through the opening in the wall of the casing for engaging and moving said barrel downwardly to extrude the lower end of the barrel beyond the lower end of the casing, and means for feeding said lead outwardly from the barrel.

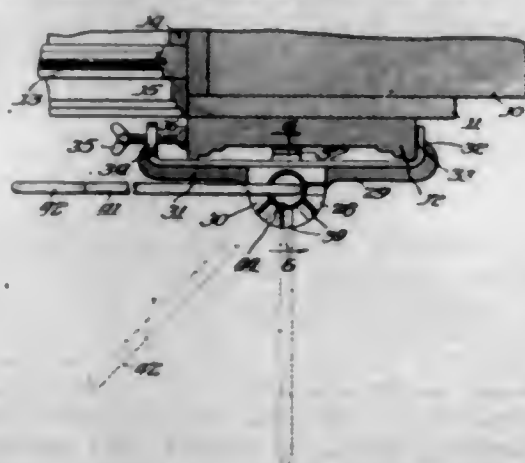


1,518,823. COMBINATION NIPPLE AND PACIFIER. HENRY A. SCHMIDT and WILLIAM E. K. SCHLOSSER, Milwaukee, Wis. Filed June 10, 1922. Serial No. 567,396. 2 Claims. (Cl. 128-252.)



1. In a device of the character described, the combination of a non-collapsible nipple member having a flattened nipple portion and a longitudinal bore of relatively large diameter communicating with a short opening of small diameter at the end of the nipple portion, a reduced exteriorly threaded stem at the other end thereof, an annular non-collapsible shield fitting over the stem, and a removable interiorly threaded member fitting over the stem and holding the shield in place.

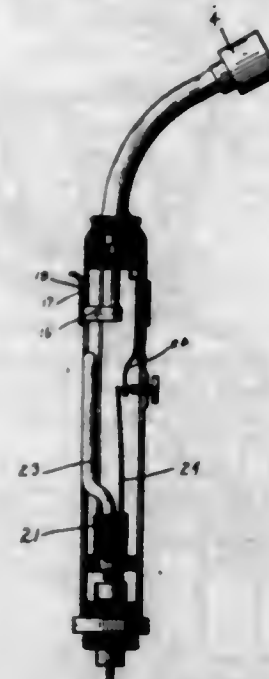
1,518,824. CURTAIN HOLDER AND PROTECTOR. MARGARET J. SMITH, Chicago, Ill. Filed Mar. 24, 1922. Serial No. 546,240. 2 Claims. (Cl. 156-83.)



1. A curtain holding device comprising in combination a bracket having an enlarged central portion with a hole extending therethrough, means for securing the bracket

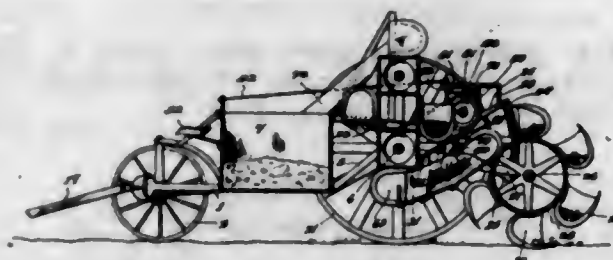
to a window casing, a curtain retaining rod mounted in said bracket and extending through the said hole, the said rod having an enlargement at its rear end adapted to engage with the under-side of said bracket when in a horizontal position and an enlargement at its forward end adapted to retain a curtain when in a horizontal position and to retain said rod in a vertical position when the rod is in an inoperative position.

1,518,825. DENTAL TOOL. CLARENCE A. STOCK, Richmond, Calif. Filed May 22, 1922. Serial No. 562,837. 12 Claims. (Cl. 32-5.)



1. A dental tool comprising a heating chamber adapted for insertion into the mouth of a patient and arranged to receive a quantity of a material adapted to become plastic when heated; electrical means mounted in connection with said chamber for heating said material; and means operatively connected to said chamber for forcing said material outwardly therefrom when heated.

1,518,826. RAISING AND LOWERING MECHANISM. LELAND D. TETER, Livingstonville, N. Y. Original application filed Nov. 25, 1922, Serial No. 603,200. Divided and this application filed Nov. 23, 1923. Serial No. 676,598. 3 Claims. (Cl. 97-244.)



1. In a machine for the purpose set forth, the combination of a supporting frame, arms pivotally mounted upon the frame, a gatherer carried by said arms, cams mounted upon the supporting frame, means whereby movement of said cams will effect raising or lowering movement of the pivoted arms, a shaft upon the frame, operative connections between said shaft and the cams, and means upon the frame for rotating said shaft.

1,518,827. TOWEL-WRAPPING MACHINE. THOMAS D. THOMAS, Oakland, Calif. Filed Mar. 22, 1924. Serial No. 701,229. 2 Claims. (Cl. 242-62.)

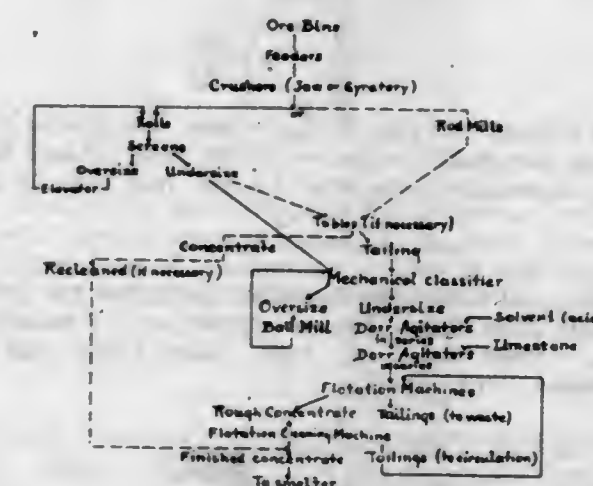
1. A towel rolling machine comprising a support, a pair of winding rollers removably supported thereon and

on which towels may be wound at different speeds, a pair of meshing gears of different teeth ratios removably



mounted on the said support and in detachable engagement with the said rollers and means for rotating one of the said gears.

1,518,828. PROCESS FOR RECOVERY OF COPPER FROM ORES THEREOF. EDWIN B. THORNHILL and HECTOR G. S. ANDERSON, Hurley, N. Mex., assignors to Thornhill-Anderson Company, Muskogee, Okla., a Corporation of Oklahoma. Filed Nov. 6, 1922. Serial No. 599,254. 3 Claims. (Cl. 75-15.)



---Denotes optional treatment

1. The process of recovering copper from ores containing copper in oxidized form, which consists in grinding the ore in the presence of water, by the action of grinding media containing iron, to form a pulp containing the finely divided ore and finely divided metallic iron, adding acid to the ore to dissolve the oxidized copper content of the ore, such dissolved copper being then precipitated by the action of the said finely divided metallic iron, and then neutralizing the pulp and subjecting it to flotation to concentrate the precipitated copper.

1,518,829. PROCESS FOR RECOVERING COPPER FROM ORES THEREOF. EDWIN B. THORNHILL and HECTOR G. S. ANDERSON, Hurley, N. Mex., assignors to Thornhill-Anderson Company, Muskogee, Okla., a Corporation of Oklahoma. Filed Nov. 6, 1922. Serial No. 599,431. 2 Claims. (Cl. 75-18.)

1. The process of recovering copper from ores containing both oxidized and sulfide constituents which consists in treating a pulp containing such ores with acid to dissolve oxidized copper, precipitating the dissolved copper in metallic form by a reducing agent, neutralizing the pulp by addition of an alkaline earth carbonate and then subjecting the pulp to flotation to recover the precipitated copper together with sulfide copper in the ore.

1,518,830. LIFE-SAVING HARNESS. THOMAS S. WOODS, Fresno, Calif. Filed June 13, 1923. Serial No. 645,075. 6 Claims. (Cl. 229-6.)

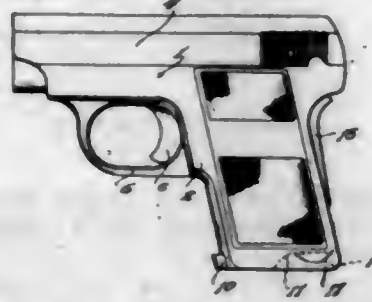
1. A life saving harness comprising a belt; shoulder straps extending upwardly from the rear of said belt and being crossed to pass over the shoulders; connecting straps secured at their lower ends to the front of said

belt; a detachable connection between the free ends of said shoulder and connecting straps; leg straps extending downwardly from the rear of said belt being adapted



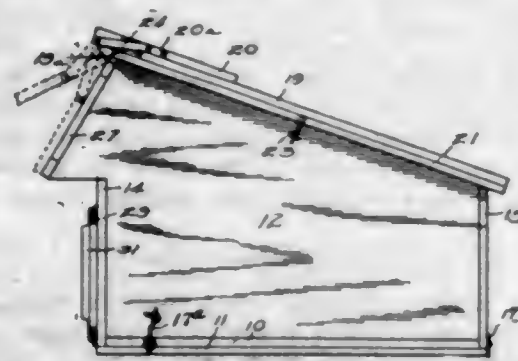
to pass through the legs of the burden, and having their free ends detachably connected to the front of said belt; and an adjustable connection for the free ends of said belt.

1,518,831. GUARD FOR SAFETY CATCHES OF AUTOMATIC PISTOLS. WALTER C. WRIGHT, Youngstown, Ohio. Filed June 26, 1924. Serial No. 722,590. 4 Claims. (Cl. 42-7.)



1. In an automatic pistol, in combination, a stock, a magazine removably arranged within the stock, the sides of the stock extending beneath a portion of the bottom of the magazine, and a catch for the magazine housed between the said sides of the stock and coacting with the said portion of the bottom of the magazine to retain the magazine in place within the stock.

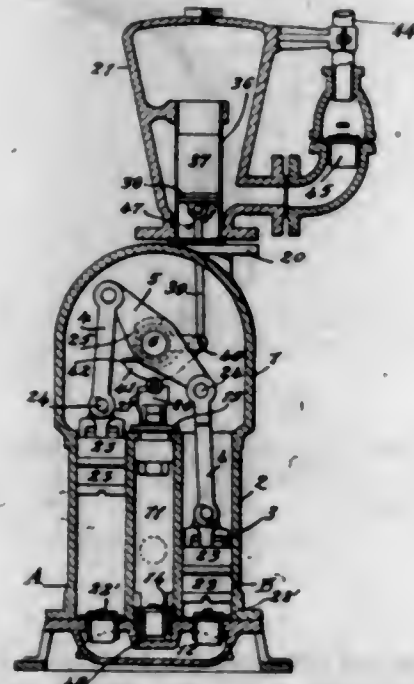
1,518,832. BABY-CHICK COOP. GEORGE WULF, Exira, Iowa, assignor of one-third to Benjamin F. Jensen and one-third to Thomas H. Godwin, both of Exira, Iowa. Filed June 12, 1922. Serial No. 567,558. 2 Claims. (Cl. 119-19.)



1. In a coop of the class described, a housing section, a roof therefor comprising an inclined roof member, a second roof member, a screen arranged to underlie the second roof member when the latter is in roof forming

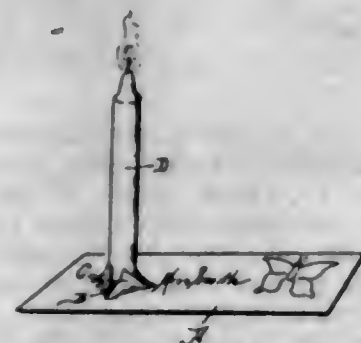
position, means comprising links for pivoting the second roof member to the first roof member whereby the second roof member may stand in inclined position to serve as a roof with its upper edge overhung by the first roof member, and whereby the second roof member may be tilted to a variety of positions where it will serve as a rain protector roof portion with its upper edge still overhung by the first roof section or may be swung up and over the first roof section to rest thereon.

1,518,833. PUMP OF VARIABLE RESISTANCE. CARLO ANDREINI, Grosseto, Italy. Filed July 1, 1922. Serial No. 572,162. 5 Claims. (Cl. 103-40.)



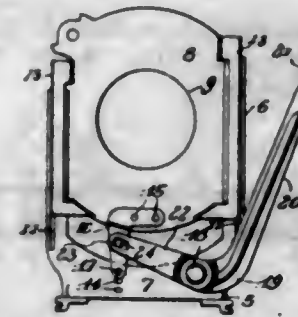
1. A variable resistance reciprocating pump having a pressure and a suction side; an equilibrated valve controlling a passage between the two sides of the pump; a spring normally holding the valve closed; valve operating means moving in synchronism with the pump; adjustable means forming an operating connection between the valve and the operating means; and means governed by the pressure at the pressure side of the pump for positioning the variable intermediary means to cause the said valve to be opened earlier or later as the pressure falls or rises.

1,518,834. NOVELTY PLACE CARD. BESSIE M. BLATNER, Chicago, Ill. Filed Jan. 17, 1924. Serial No. 686,713. 2 Claims. (Cl. 40-130.)



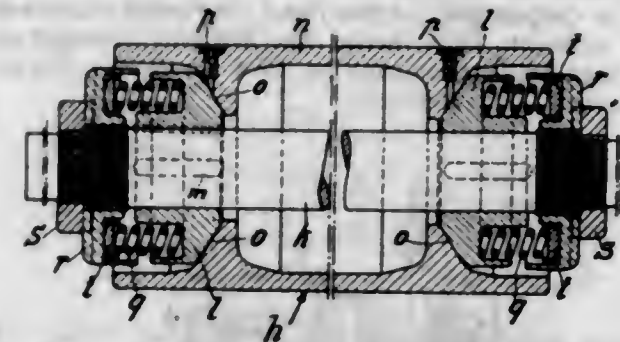
1. A plane flat novelty card provided with cuts furnishing converging tongues, and a candle entered between said tongues and serving to spring said tongues into elevated relation and into position to bring the tongues into firm engagement with the side wall of the candle near its base, substantially as described.

1,518,835. RISING FRONT MECHANISM FOR CAMERAS. FREDERICK W. BREHM, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 21, 1922. Serial No. 583,179. 4 Claims. (Cl. 95-51.)



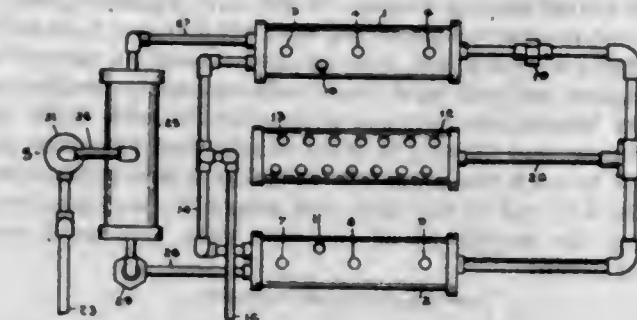
1. In a camera, the combination with a front provided with a plurality of stops, and a lens board movable vertically thereon, of a yielding spring catch on the lens board arranged to ride over and successively co-operate with the stops and means movable relatively to the catch for actuating the lens board.

1,518,836. ROLLING MILL. FRANZ CASEL, Duisburg-Melderich, Germany, assignor to the Firm Rheinische Stahlwerke, Duisburg-Melderich, Germany. Filed Mar. 8, 1924. Serial No. 697,871. 5 Claims. (Cl. 80-44.)



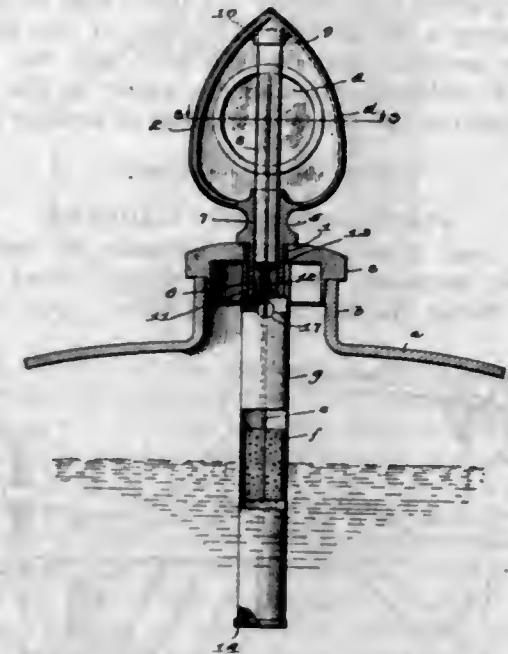
5. In a device of the kind described, a relatively stationary axle shaft, an endwise extended hollow cylindrical roller casing concentrically mounted on said shaft, conical bearings at the inside of said casing and spaced from the outer ends thereof, rotatable conical caps at the inside of said casing in engagement with the bearings, terminal abutments of lesser diameter than the casing and stationarily mounted at the ends of the shaft, and spaced from the rotatable caps, and springs inserted between the rotatable caps and terminal abutments.

1,518,837. OIL BURNER. ONESIME DANDURAND, Montreal, Quebec, Canada, assignor of one-half to Ernest Claude Gough, Montreal, Quebec, Canada. Filed Oct. 10, 1923. Serial No. 667,607. 2 Claims. (Cl. 158-56.)



1. In an oil burner, a primary steam cylinder connected from one end to a water supply, a superheating steam chamber connected to the other end of said cylinder, primary oil burners having jet orifices, and connected from one end to an oil supply and to the ends of said superheating chamber and a secondary oil burner connected to the other ends of said primary oil burners and having a greater number of jet orifices.

1,518,838. FLOAT GAUGE FOR AUTOMOBILE RADIATORS. IRVING S. DAVIS, Roselle, N. J. Filed Nov. 2, 1921. Serial No. 512,257. 3 Claims. (Cl. 73-82.)



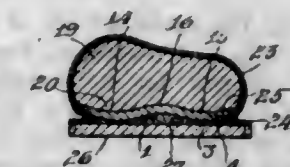
2. In a water level indicator for automobile radiators, a head, a gauge glass mounted in the head, a tube detachably connected to the head, a float in said tube comprising a cork body and a metal shell encasing said body, and an indicating rod extending from the float into said gauge glass.

1,518,839. TOY AND ELEMENTS FOR CONSTRUCTING IT. ALFRED CARLYLE DAY, Melbourne, Victoria, Australia. Filed Jan. 17, 1923. Serial No. 613,264. 3 Claims. (Cl. 46-35.)



1. A toy element of strip form having a tongue of reduced width, a second element having an aperture to receive the said tongue, the said tongue having shoulders to abut the second element, the said tongue having nicks in its edges, and a locking member having limbs adapted to enter the said nicks.

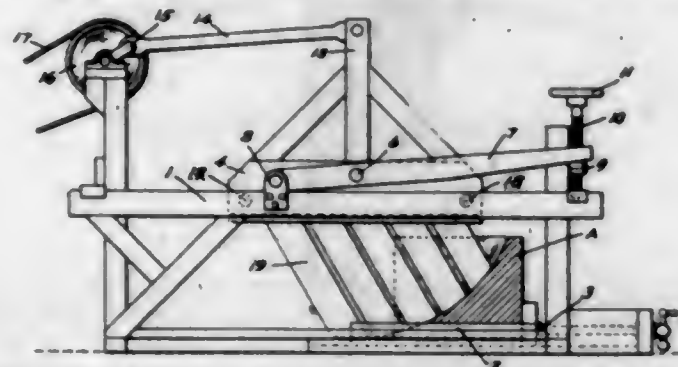
1,518,840. METHOD OF MAKING SHOES AND AN INNERSOLE USED IN SUCH METHOD. OLIVER E. DE RIDDER, Rochester, N. Y. Filed Feb. 20, 1922. Serial No. 537,672. 6 Claims. (Cl. 12-142.)



1. A method of making shoes which consists in providing an inner sole reduced at its toe portion and at opposite sides in advance of the heel to provide a shoulder and having an inclined kerf or cut on opposite sides of the shoulder substantially parallel with the shoulder, the heel of the inner sole being shifted outward slightly

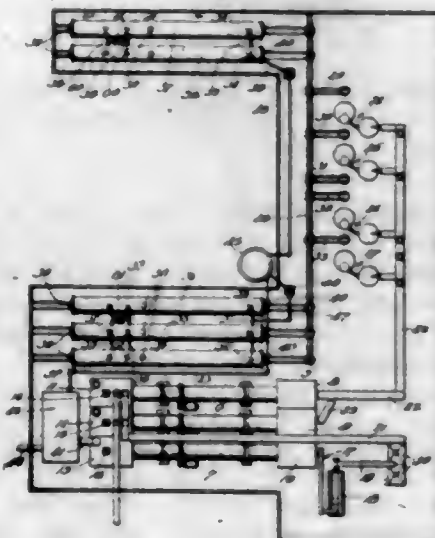
with reference to the toe portion of the inner sole, moistening the inner sole, molding by pressure the inner sole to the desired shape with the heel portion shifted to the position it will occupy in the complete shoe in order to produce an arch on the inner side of the inner sole, forming a lip on the under side of the inner sole from the material between the kerf and the shoulder after such molding, stitching the upper to the lip, and then completing the other operations of making the shoe.

1,518,841. STONE-CUTTING MACHINE. ALFONZO DITTO, Los Angeles, Calif., assignor of one-half to Ventura Bernardo, Monrovia, Calif. Filed Aug. 5, 1920. Serial No. 401,505. 8 Claims. (Cl. 125-19.)



1. A stone cutting machine including a movable frame, a cutter in said frame, and transverse adjustable braces crossed between said cutter and said frame for positioning said cutter relatively to said movable frame.

1,518,842. PROCESS AND APPARATUS FOR THE MANUFACTURE OF STONELIKE MATERIAL. FRANK EUWECHE, Chicago, Ill., assignor to Silica Brick & Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed May 9, 1921. Serial No. 468,016. 9 Claims. (Cl. 18-47.5.)



1. The process for the manufacture of brick or shaped building material which consists in burning limestone for the production of calcium oxide and carbon dioxide gas, hydrating the calcium oxide for the production of calcium hydroxide, burning and delivering at a temperature of substantially 350° Fah. a mixture composed of substantially five per cent by weight of said calcium hydroxide and ninety-five per cent by weight of granulated slag containing a substantial percentage of silica, molding said burned material to the desired shape at a temperature of substantially 200° Fah., and subjecting the molded material with a substantial absence of air to the action of carbon dioxide gas which was produced in the first stages of the process, at a pressure

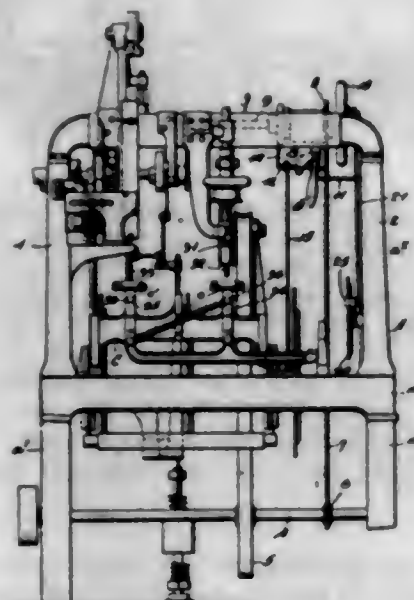
of substantially one-hundred-forty pounds per square inch and a temperature of substantially 70° Fah., for a period of substantially three hours, substantially as described.

1,518,843. CIGARETTE. CHARLES S. EVANS, Berkeley, Calif. Filed Mar. 24, 1919. Serial No. 284,672. 5 Claims. (Cl. 131-52.)



5. A cigarette comprising a body, an extensible sleeve having a constricted end arranged on said body, a bushing disposed on the inner end of said body to form a tight engagement with the constricted end of said sleeve, means in said bushing for limiting the extension of the sleeve, and means for reinforcing the mouth end of said sleeve and limiting the penetration of said body into said sleeve.

1,518,844. BRUSH-MAKING MACHINE. CHARLES EDWARD FISHER, Baltimore, Md., assignor to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md., a Corporation of Maryland. Original application filed June 21, 1921, Serial No. 479,253. Divided and this application filed June 24, 1924. Serial No. 722,011. 4 Claims. (Cl. 300-11.)

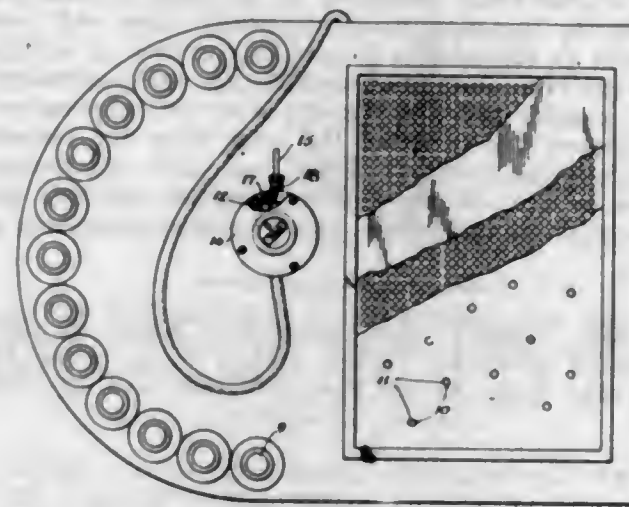


1. In a brush-making machine, the combination with a table-frame having thereon tables for supporting brush blocks, of means for adjusting said table-frame forwardly comprising a cam shaft, a small cam thereon, a detent on the higher end of said cam and normally projecting radially beyond its surface, a member movable with the table-frame and having a part bearing on the cam and adapted to rock the detent so that the latter will project over the low end of the cam, and means for automatically stopping the movement of the cam when said part rests on said detent.

1,518,845. CHANCE DEVICE. HENRY J. FOLEY, THOMAS DILLOWAY, and RYLAND D. BATCHELDER, Burlington, Vt. Filed May 7, 1923. Serial No. 637,291. 7 Claims. (Cl. 46-56.)

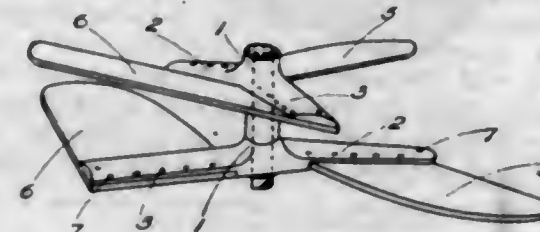
1. In a chance device, a board having a plurality of contacts, plates covering the board having apertures in alignment with each other, a frangible guard interposed between the plates, the said apertures in the plates being in alignment with the contacts on the board, signals in

circuit with the contacts, and a plug in circuit with a source of electricity and the signals, a switch in circuit with the source of electricity, and a switch element car-



ried by the plug adapted to engage the switch for establishing a circuit when the plug receives pressure necessary for plugging.

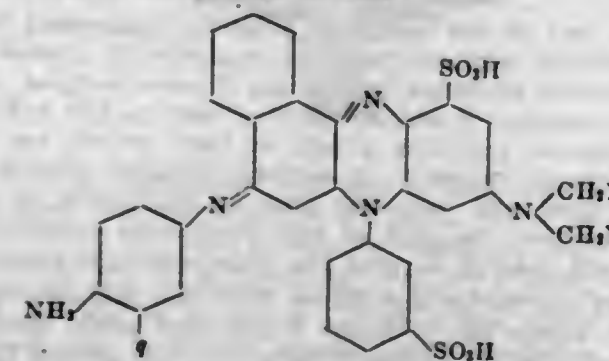
1,518,846. AERIAL PROPELLER. ALEXANDER HARPER and STEWART ALEXANDER HARPER, Dunedin, Otago, New Zealand. Filed Oct. 10, 1923. Serial No. 667,744. 1 Claim. (Cl. 170-167.)



An aerial propeller including a boss and members projecting therefrom, and wings secured to each of said members, said members being diametrically opposed and having that portion of their lengths equal to the width of the wings so constructed that with the wings in place such wings have an angle of incidence, project at right angles to the body part in reverse directions, and form a dihedral angle.

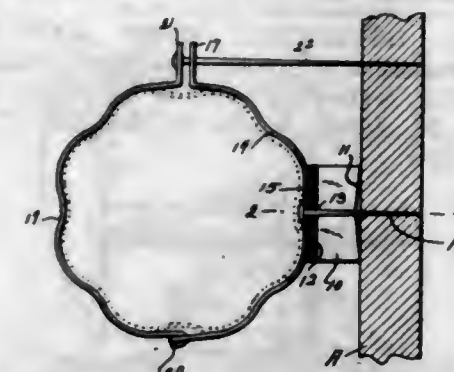
1,518,847. NEW DYE FOR WOOL OF THE SAFRA-NINE SERIES. WILHELM HERZBERG, Berlin-Wilmersdorf, and OSWALD SCHARFENBERG, Berlin-Schöneberg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Nov. 20, 1923. Serial No. 675,920. 7 Claims. (Cl. 260-29.)

6. The herein-described new dyes for wool of the safranin series being in the state of their sodium salts dark powders with a metallic lustre, dissolving in concentrated sulphuric acid to greenish solutions and in water to blue solutions which become more reddish by addition of sodium carbonate and reddish violet by addition of sodium hydroxide solution, dyeing on wool in an acid bath blue tints containing two sulphonic groups and derived from the safranines which correspond as free acids to the general formula:



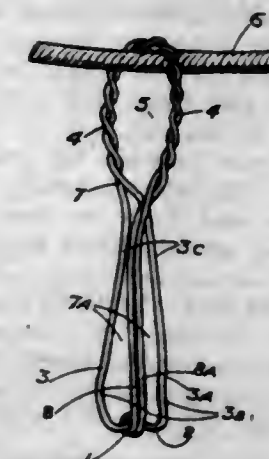
q, X, Y meaning univalent radicals.

1,518,848. SPOUT SUPPORT OR HANGER. WILLIAM R. HICKOX, Barberton, Ohio. Filed May 9, 1923. Serial No. 637,746. 1 Claim. (Cl. 248-30.)



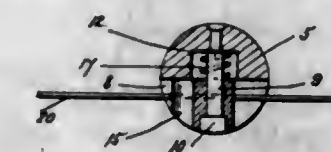
A spout support of the character described comprising an approximately semicircular section formed to partially embrace a spout, a base for said section U-shaped in cross section to provide two parallel side walls, the connecting web between said side walls being adapted to abut the central portion of said section, said connecting web and the central portion of the section having projections interfitting to prevent relative rotation of the sections when forced into engagement with one another, said central portion of the section and said connecting web being formed with openings aligning when the sections are in assembled relation for the reception of a securing element whereby they may be secured in position upon a wall.

1,518,849. CLOTHES PEG. ANDREW HOLMES and GEORGE MEARNS, Dunedin, Otago, New Zealand. Filed Mar. 23, 1923. Serial No. 627,187. 3 Claims. (Cl. 24-139.)



1. A clothes peg made of wire formed at one end to present a comparatively wide loop whereby the peg may be hung upon the line when not in use, and legs projecting from the terminals of the loop and movably interconnected remote from the loop, said legs having a mutual formation to provide a space between them adjacent the inter-connected ends, and a clamping portion intermediate said space and loop, the space serving to clampingly confine the article and clothes line when the peg is in operative position, the clamping portion serving to directly clamp the article below the line when the peg is in operative position.

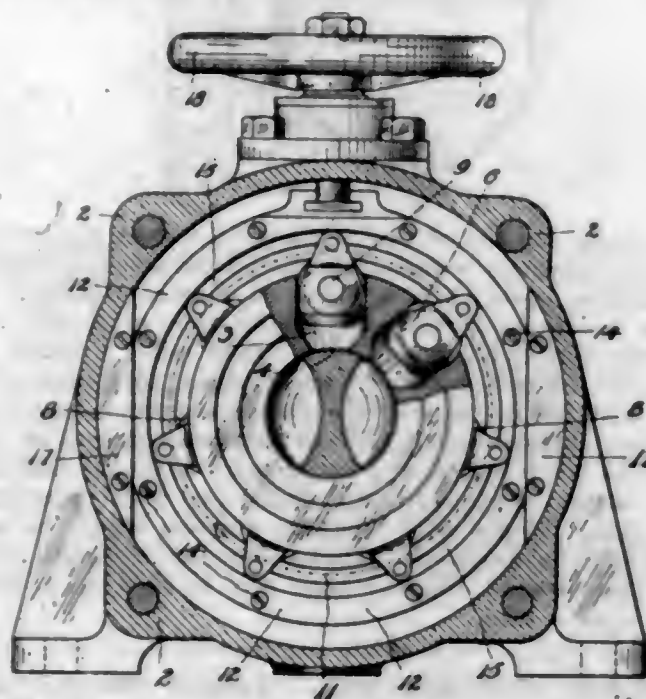
1,518,850. LINE HOLDER. GEORGE C. HUME, Chilton, Wis. Filed May 13, 1924. Serial No. 712,972. 4 Claims. (Cl. 24-134.)



2. In a line holder a supporting pillar having a notch in one side, a spring-pressed cam pivoted to the pillar and arranged within the notch and operating to

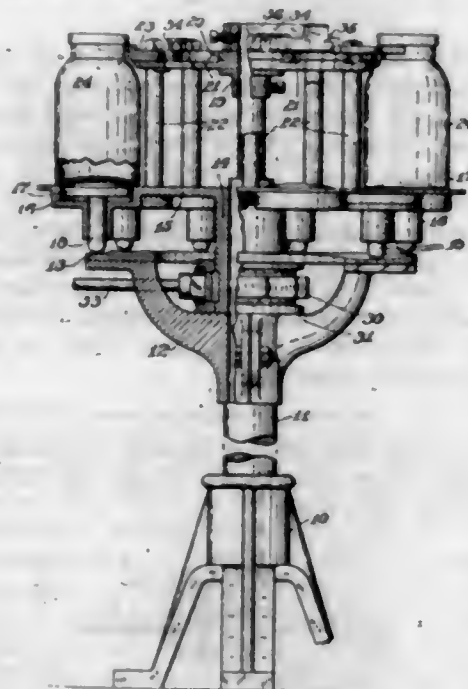
clamp the line against one end of the notch, and a thin and pointed blade which projects from one end of the pillar and affords a means for securing it in place.

1,518,851. HYDRAULIC PUMP AND MOTOR. GEORGE HERBERT HUTCHISON, Hyndland, Glasgow, and DAVID SMITH MCLEAN, Maryhill, Glasgow, Scotland. Filed May 25, 1922. Serial No. 563,621. 7 Claims. (Cl. 121-61.)



1. An hydraulic pump or motor comprising a casing, a rotor rotatably mounted within the casing, an annular eccentric track-ring slidably mounted within the casing around the rotor, pistons sliding within radial cylinders formed in the rotor and cooperating with the said track-ring, passages for the supply and discharge of the working fluid to and from said cylinders, a roller rotatably mounted within the body of each piston to take the tangential thrust between the piston and the cylinder walls, and a cylindrical rotatably mounted roller on each side of the said roller to take the radial thrust between the piston and the track ring.

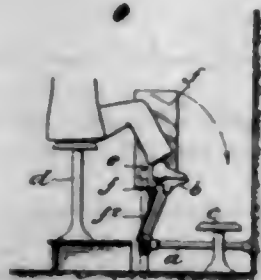
1,518,852. COOLING TRANSFER DEVICE FOR GLASSWARE. WILLIAM H. JOHNSON, Terre Haute, Ind., assignor to Automatic Machinery Company, Terre Haute, Ind., a Corporation of Indiana. Filed Jan. 25, 1923. Serial No. 615,424. 2 Claims. (Cl. 49-14.)



2. In a cooling table, a supporting pedestal, a column carried thereby, a ware-receiving table journaled on the column, arranged to receive the formed ware from the

forming machine and provided with a plurality of plunger pockets, a plurality of ware-supporting plungers mounted in said pockets and projected downwardly through the table, a cam track supported by the pedestal and supporting the plungers to automatically raise and lower the same as the table is rotated, a plurality of shiftable ware-supporting members carried by the table corresponding in number and arrangement with the ware-supporting plungers for receiving the ware from the plungers and supporting it until it takes a set, and cam members carried by the column for automatically shifting said ware-supporting members to and from ware-supporting position.

1,518,853. GUARD FOR SHOE-BLACKING STANDS. FRANCIS KINGSLEY, Pelham Manor, N. Y. Filed Jan. 5, 1922. Serial No. 527,173. 3 Claims. (Cl. 15-265.)

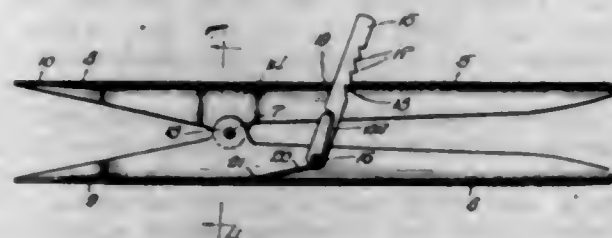


1. A guard for shoe blacking stands provided with footrests, comprising a shield having portions disposed in planes on opposite sides of the footrests, and a portion connecting said first mentioned portions, and means supporting said shield for movement from a position wherein the connecting portion thereof is disposed behind the heels, to a position wherein it is disposed below the footrests.

1,518,854. METHOD OF OPERATING BLAST FURNACES. EDMUND B. KIRBY, New York, N. Y. Filed Aug. 6, 1920. Serial No. 401,751. 7 Claims. (Cl. 75-14.)

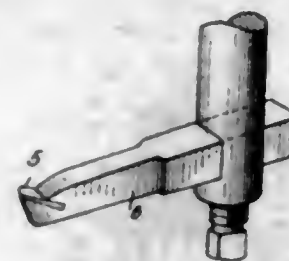
1. The method of operating a blast furnace which consists in supplying it with the material to be treated and solid fuel also a blast of steam and oxygen or air enriched with oxygen.

1,518,855. VALVE-RAISING DEVICE. PETER I. LANGLYKKE, Chicago, Ill., assignor to Aetna Machine & Mfg. Co., Chicago, Ill., a Partnership composed of Philip D. Luber and Peter I. Langlykke. Filed Feb. 6, 1923. Serial No. 617,199. 4 Claims. (Cl. 29-86.3.)



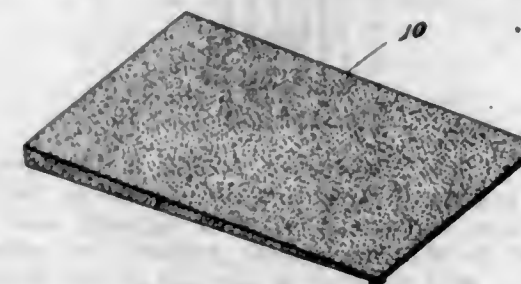
1. A tool of the character described comprising two substantially duplicate members, transversely curved in cross section providing confronting concave surfaces, and hinged together; a widened notched head on like ends of each member providing a pair of rigid prongs, one on each side of its notch; a notched latch-bar pivoted to one member and extending thru a perforation in the other member, the wall of said perforation cooperating with said notches to hold the jaws separated a predetermined distance and a spring extending from the member in which said latch bar is pivoted to said bar and partly contained in the concave portion of said member to actuate said latch bar.

1,518,856. TOOL BIT. GROVER W. LAPP, Le Roy, N. Y. Filed Aug. 22, 1919. Serial No. 319,046. 4 Claims. (Cl. 125-38.)



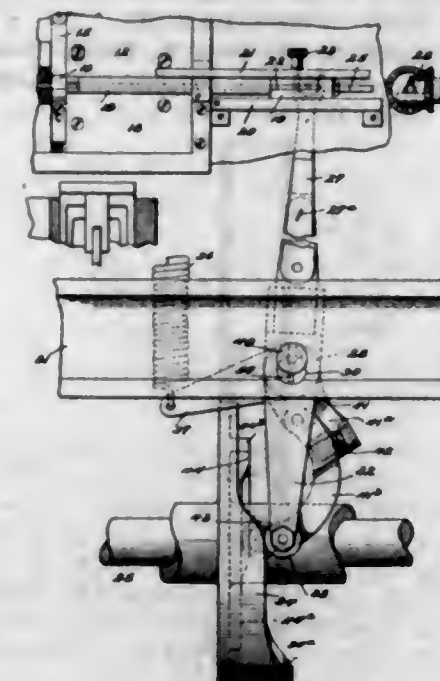
1. The combination in a cutting tool of a shank and a silicon carbide crystal mounted in said shank so as to form a cutting edge.

1,518,857. FIRE-RESISTANT SHINGLE AND METHOD OF MAKING SAME. EDGAR LAYTON, Larkspur, Calif. Filed Apr. 18, 1923. Serial No. 633,032. 3 Claims. (Cl. 91-68.)



1. An article of manufacture comprising a wooden shingle or the like, having a binder formed of magnesium chloride and a coating consisting of a mixture of magnesite and asbestos suspended in magnesium chloride.

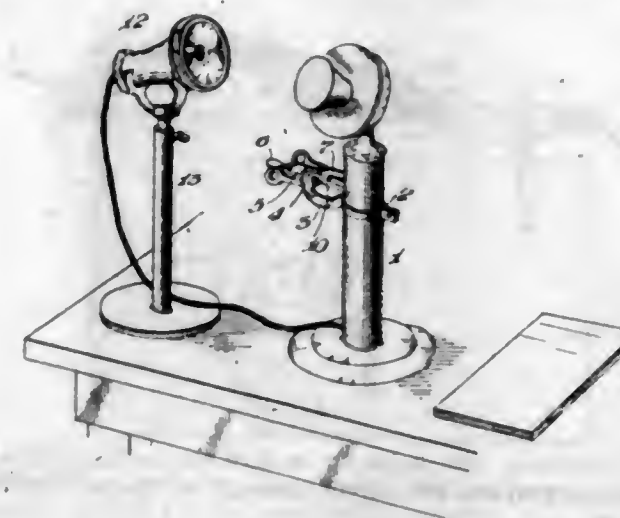
1,518,858. AUTOMATIC MATRIX-CLAMPING AND MOLD-ADJUSTING MECHANISM. FREDERICK W. LETSCH, Baltimore, Md. Filed Aug. 8, 1921. Serial No. 490,785. 28 Claims. (Cl. 199-60.)



1. In a typographic machine, a mold, means for positioning matrices adjacent the mold, means for closing one end of the mold, means for closing the other end of the mold and for clamping the matrices during the casting operation, yieldable mechanism for moving said last named means toward the matrices, and means for further moving said last named means in the aforementioned direction to eject cast slugs from the mold.

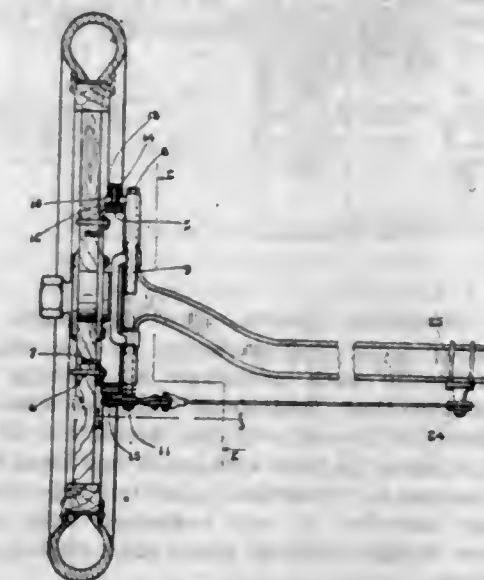
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1,518,859. ATTACHMENT FOR TELEPHONES. JENNIE LEVY, Philadelphia, Pa. Filed June 13, 1923. Serial No. 645,020. 1 Claim. (Cl. 179-164.)



In a device of the character stated, a clamp adapted to be secured to a telephone transmitter, an arm carried by said clamp, an operating lever pivotally secured to said arm and having a forked end engaging the circuit opening and closing lever of the transmitting instrument, and a spring carried by said arm in operative alignment with said operating lever to retain the same in either the operative or inoperative positions.

1,518,860. AUTOMOBILE BRAKE. RALEIGH V. LIFE, Cincinnati, Ohio. Filed May 17, 1923. Serial No. 639,692. 1 Claim. (Cl. 188-194.)

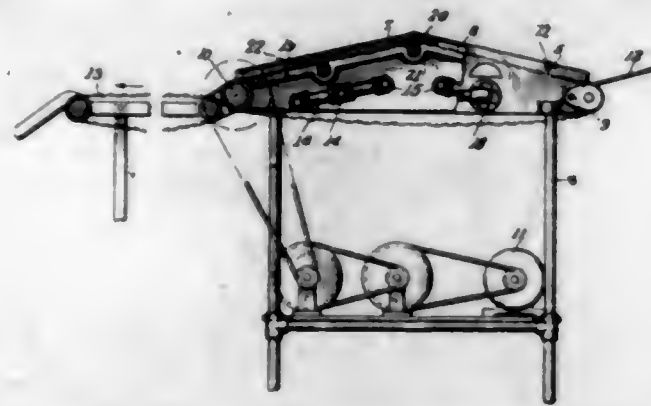


In combination with the front wheel and steering knuckle of a motor vehicle, a brake drum attached to the spokes of the wheel, a yoke embracing the steering knuckle and attached thereto above and below for movement as a unit therewith, a brake band encircling the brake drum and attached between its ends to the yoke at its top, toggle links connected to the ends of the band and fulcrumed on the yoke at its bottom, and means adapted to operate the links.

1,518,861. HEATER FOR RAISED PRINTING AND THE LIKE. SAMUEL LIPSUS, New York, N. Y. Filed Mar. 12, 1924. Serial No. 698,626. 9 Claims. (Cl. 34-12.)

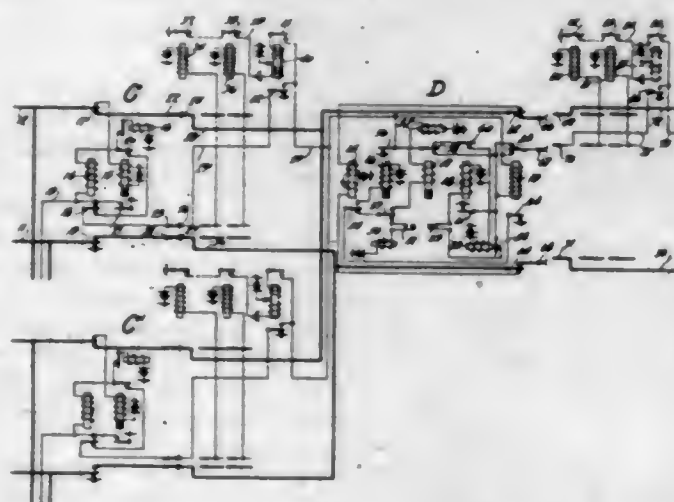
1. A heater for raised printing comprising an oven, a gas burner mounted in said oven, a conveyer for carrying powdered sheets through said oven over said

burner, and a foraminous baffle plate interposed between said burner and said conveyer for permitting the passage of hot air through said plate to the stock on



said conveyer, the holes in said plate being sufficiently small to prevent the direct passage of flame from said burner.

1,518,862. OVERFLOW TRUNKING SYSTEM. CLARENCE E. LOMAX, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1921. Serial No. 520,406. 18 Claims. (Cl. 179-18.)



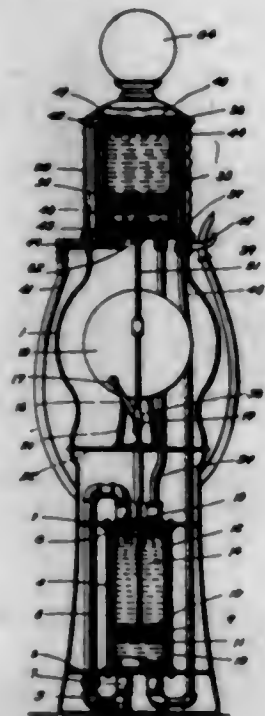
1. In a telephone system, two exchanges, one-way trunks leading from each exchange to the other, automatic switches in each exchange for seizing the said one-way trunks that lead from that exchange to the other, a group of two-way trunks accessible to the said automatic switches in both exchanges but normally made busy, and means for rendering said two-way trunks idle to the said switches in one exchange only, while all the one-way trunks leading from that exchange to the other are busy.

1,518,863. METHOD OF REPRODUCING PICTURES AND DESIGNS. AUGUST H. LUTZ, Baltimore, Md., and GEORGE J. RICHARDSON, Petersburg, Va. Filed Aug. 2, 1923. Serial No. 655,355. 9 Claims. (Cl. 101-115.)



1. A method of producing stencils which comprises placing a sheet of paper over a base and causing the paper to adhere to the base, cutting the stencil while the paper is on the base, and by heat removing the stencil from the base.

1,518,864. FLUID-DISPENSING PUMP. A G. MCGALIN, Dallas, Tex. Filed June 9, 1922. Serial No. 567,061. 8 Claims. (Cl. 103-167.)



1. In a fluid dispensing device, a transparent dispensing cylinder having sets of alternately opening and closing inlet and outlet ports at opposite ends thereof, a piston in the transparent cylinder to indicate the amount of fluid received in one end of the cylinder and the quantity of fluid remaining in the other end of the cylinder, a supply cylinder having communication with a source of supply and discharging into the opposite ends of the first named cylinder, the supply cylinder having a piston therein dividing it into two end spaces, the end space of the supply cylinder being in series with the end spaces of the dispensing cylinder, means rigidly connecting the two pistons together and a gear train operable in either direction for operating the pistons.

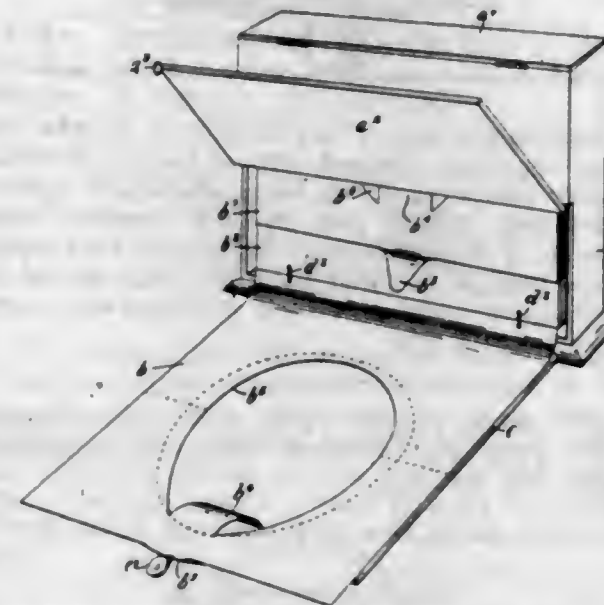
1,518,865. MEANS FOR AND METHOD OF DRAINING WELL TUBING PREPARATORY TO PULLING SAME. WILLIAM H. MCKISSICK, Tulsa, Okla. Filed June 28, 1922. Serial No. 571,502. 6 Claims. (Cl. 103-221.)



1. In combination with well tubing wherein a pump piston is adapted to operate, a standing valve situated at the lower end of said tubing, means associated with said valve for unseating it, a part shielding said means

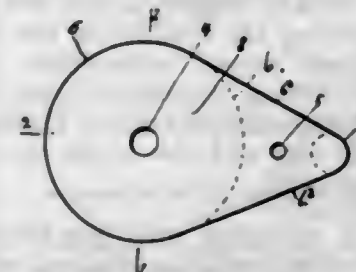
from contact by the piston should the latter be depressed into engagement with the standing valve, and a member adapted to be lowered into the tubing upon the withdrawal therefrom of the piston for engaging and actuating said means thereby to unseat the standing valve and allow the liquid in the tubing to drain back into the well.

1,518,866. SEAT GUARD FOR WATER-CLOSETS. EDWARD MELDAL, London, England. Filed Nov. 21, 1922. Serial No. 602,397. 2 Claims. (Cl. 211-29.)



2. A seat guard container for water closets comprising a normally closed casing adapted to receive a pack of guard sheets therein, means at the top of said casing for detachably suspending said sheets, additional sheet securing means passing through said sheets arranged at the bottom of said casing, said casing being formed with an opening through which the sheets are withdrawn and a normally closed hinged cover for said opening extending below said additional sheet securing means and adapted to frictionally engage the sheet and co-operating with the additional sheet retaining means to prevent the complete withdrawal of the sheet from the casing.

1,518,867. SOUND RESONATOR FOR PIANOS. FELIX MOSER, Holland, Mich. Filed Nov. 16, 1921. Serial No. 515,483. 1 Claim. (Cl. 84-189.)

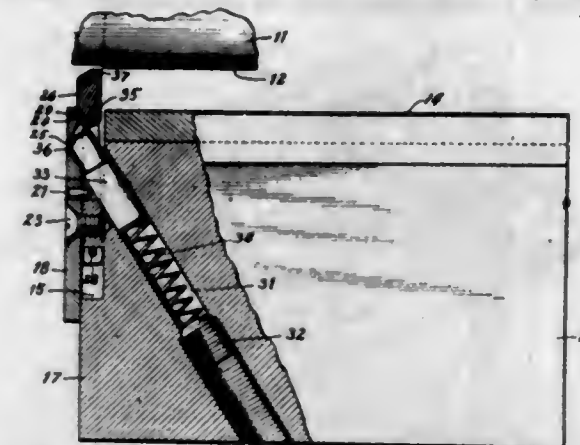


A sound resonator for pianos comprising a ribbed front sounding-board and a ribbed reverberator of hard wood, and having a contour described by opposite sections of relatively large and small circles connected by tangential lines, a laminated rim connecting the edges of the reverberator and sounding-board, and the sounding-board having sound holes located respectively at the center of its larger circle and between the two circles.

1,518,868. BODY-GAUGING HAMMER. CHARLES J. NELSON and MAGNUS E. WIDELL, Maywood, Ill., assignors to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 30, 1920. Serial No. 407,004. Renewed May 5, 1924. 4 Claims. (Cl. 112-12.)

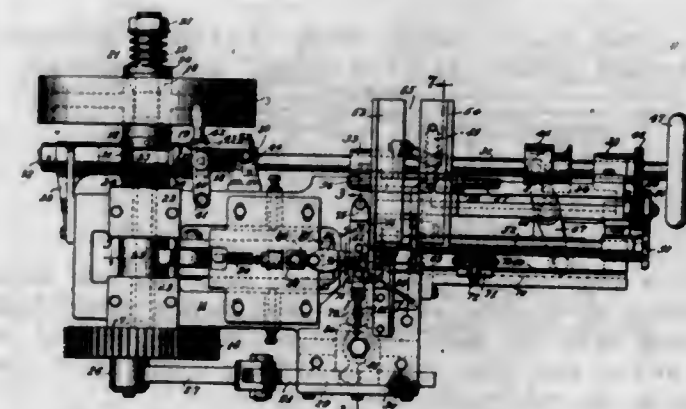
1. In an apparatus for making can bodies, the combination of a horn about which a body blank is adapted to be wrapped, a seam closing hammer, a member pro-

truding from the seam closing hammer and adapted to bring the edges of a blank wrapped about the horn to accurate registration prior to the striking of the seam



closing blow, and an angularly arranged spring-pressed member pushing said protruding member into extended position.

1,518,869. WIRE-SPOKE HEADING AND BENDING MACHINE. AXEL L. OLSON, Essex, Conn., assignor to The National Screw and Tack Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 20, 1922. Serial No. 537,888. 15 Claims. (Cl. 29-34.)



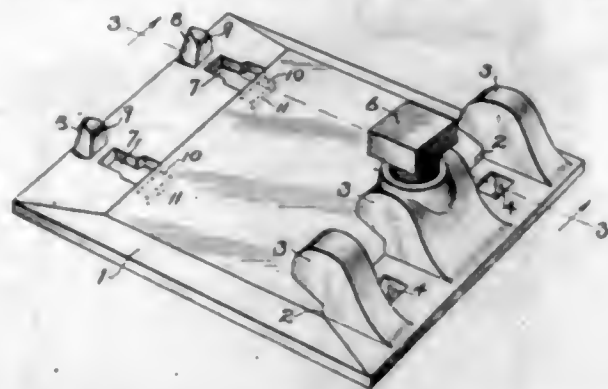
1. In a wire heading and bending machine, the combination with a hopper, a rotatable carrier to take spokes from the hopper, said carrier comprising a rotary annular member having peripheral notches into which the spoke blanks drop, means for intermittently rotating the carrier to feed the spokes from station to station, heading dies positioned adjacent to the carrier, means for heading one end portion of a spoke while in said dies, and bending device arranged adjacent to the heading dies to bend the neck portion of the spoke after the head has been formed.

10. In a spoke machine, the combination with a hopper designed to receive a series of spokes, means for adjusting the hopper in the direction of the length of the spokes to accommodate spokes of different lengths, a feeding device including spaced apart rotatable disks to receive the spokes from the hopper and to convey them to operating tools, said spaced apart disks being made adjustable to and from each other to accommodate spokes of different lengths, and longitudinal adjustable means adapted to feed the spokes longitudinally into relation with the operating tools.

1,518,870. RAIL-ANCHOR PLATE. WARREN M. OSBORN, Chicago, Ill., assignor to Chicago Malleable Castings Company, West Pullman, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1924. Serial No. 696,427. 4 Claims. (Cl. 238-304.)

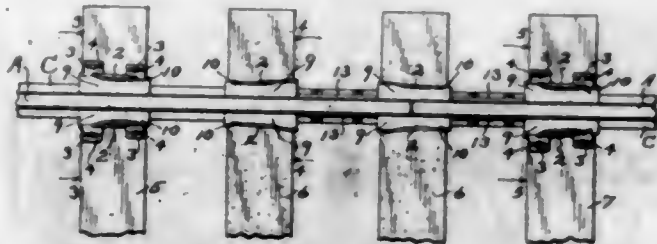
1. A device of the class described comprising a plate having an elongated spike-hole in one of its sides and a recess in its under face in line with the inner end of said spike-hole, an inclined shoulder adjacent the outer

end of said spike-hole, an abutment on the opposite side of said plate provided with a plurality of spaced overhanging ribs, a clip constructed to engage said shoulder and having a spike-hole and an overhanging flange for



one side of a rail-base and an inner depending lug in the inner portion of said plate spike-hole, an inwardly extending wing at the lower end of the lug constructed to seat in said recess, and a heeling-lug in alignment with the outer end of the clip spike-hole.

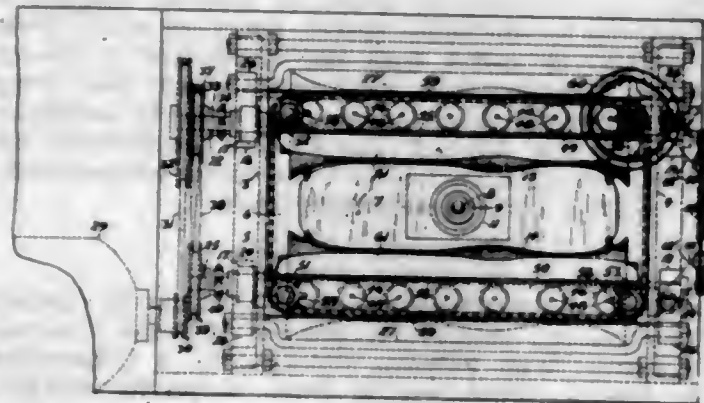
1,518,871. RAIL CHAIR. WARREN M. OSBORN, Chicago, Ill. Filed June 27, 1924. Serial No. 722,724. 4 Claims. (Cl. 238-208.)



1. A metallic rail-chair having a base and side walls forming a tapering rail-space and having their tops shorter than the base, and wooden wedges adapted to be driven into said space and being longer than the tops of the side walls when in place.

1,518,872. PROCESS OF PRODUCING FLUORIDES. ALADAR PACZ, Cleveland Heights, Ohio. Filed Apr. 16, 1920. Serial No. 374,262. 5 Claims. (Cl. 23-13.)
1. The process of making aluminum fluoride which consists of reacting with metallic aluminum upon aluminum silico-fluoride at an elevated temperature.

1,518,873. SHOE CLEANING AND POLISHING MACHINE. HAROLD PLUMMER, Oakland, Calif. Filed Mar. 9, 1922. Serial No. 542,244. 11 Claims. (Cl. 15-34.)



3. In combination with a footrest adapted to support and position footwear to be cleaned, of a pair of rotatable brushes associated with said footrest and arranged parallel thereto, means permitting swinging movement

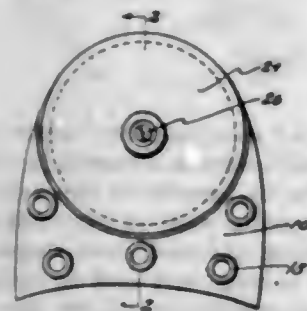
of the brushes toward and away from said footrest whereby they may engage and bear against the footwear on the footrest, and means whereby the pressure with which the brushes bear against the footwear may be regulated.

1,518,874. CAR COUPLER. ALWIN RAMSEY, Danville, Ill. Filed Sept. 4, 1924. Serial No. 735,869. 1 Claim. (Cl. 213-82.)



In combination with a car coupler of a draw head, a pair of oppositely disposed vertical hooks, a horizontal, rearwardly projecting shank intermediate said hooks, an elongated link slidably and pivotally mounted beneath said shank, a flanged base on said draw head whereby the draw head is fastened to a car, said flanged base and said shank adapted to limit the downward vertical movement of said link.

1,518,875. SHOE HEEL. FRANK REDMAN, Atlantic City, N. J. Filed Aug. 8, 1923. Serial No. 656,385. 1 Claim. (Cl. 30-39.)



A shoe heel comprising a flexible main body having an annular recess, the sides of the recess being open at the rear end, a second recess below the first-named recess, a conical seating surface connecting said last-named recess with the first-named recess, the conical surface being provided with rectangular notches which extend radially about the axis of the annular recess, a separate tread disk, a perforated cup molded therein, a conical lug on said disk adapted to cooperate with and seat upon the conical surface of the last-named recess, a flange surmounting the conical lug and adapted to lie in said last-named recess, longitudinal ridges on the conical lug adapted to register in the radial notches in the body for preventing rotation of the disk, and means for securing said body and disk to the shoe.

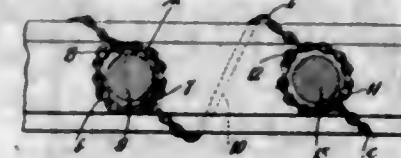
1,518,876. PAD HOLDER FOR TELEPHONE TRANSMITTERS. CONRAD ROSINE, Chicago, Ill., assignor of one-half to William Robertson, Chicago, Ill. Filed Mar. 29, 1922. Serial No. 547,641. 1 Claim. (Cl. 45-57.)



A base support for a telephone transmitter stand, comprising a hollow member having an opening in its side wall spaced slightly above its bottom, a pad holder pivoted in said member and spaced from its bottom to

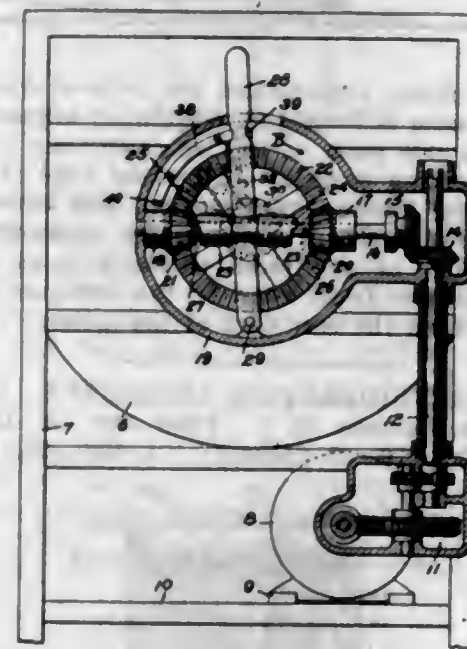
swing through said opening, a spring disposed in said member beneath said holder and connected to the two upon opposite sides of the pivot of the holder so as completely to project said holder from said member, lugs struck from the bottom of said member to sustain said holder spaced from the bottom of said member, a stop lug on said holder adapted to engage the side wall of said member beneath said holder when said holder is projected completely, and a latch extending through the side wall of said member and engaging said holder for retaining the same in said member.

1,518,877. ANTISKID DEVICE. CHARLES D. SCHMIDT, Jamaica, N. Y. Filed May 4, 1921. Serial No. 466,817. 4 Claims. (Cl. 152-14.)



1. The combination with a vehicle wheel, of an antiskid device therefor composed of a series of similar connected chain units with hooks at their ends, said assembled sections forming a series of cross chain elements extending across the wheel tread and each unit having a portion looped around a spoke to retain the antiskid device against travel around the felly of said wheel.

1,518,878. REVERSING MECHANISM. JOHN R. SPENCER, Erie, Pa., assignor to Hogan-Spencer-Whitley Company, a Corporation of Pennsylvania. Filed Feb. 16, 1920. Serial No. 359,050. 30 Claims. (Cl. 74-50.)

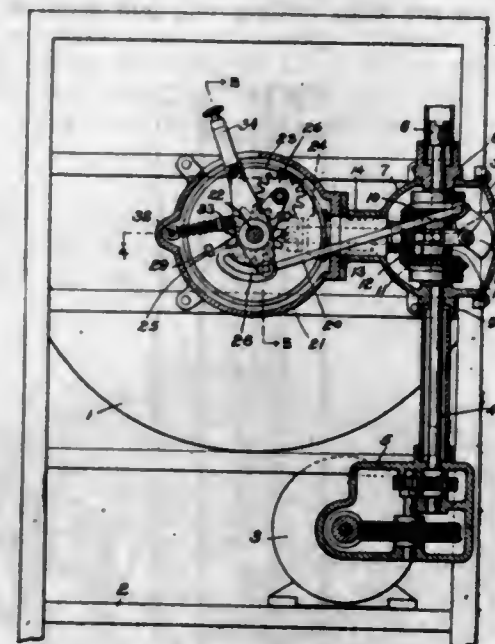


14. In combination with a driving and reversing mechanism, two members moved by said mechanism at different speeds, and through paths of travel that co-incide in part, whereby said elements periodically move into contact and move jointly, and means actuated by the joint movement of said elements for reversing said mechanism.

1,518,879. REVERSING MECHANISM FOR WASHING MACHINES. JOHN R. SPENCER and JAY J. HOGAN, Erie, Pa., assignors to Hogan-Spencer-Whitley Company, a Corporation of Pennsylvania. Filed Apr. 13, 1920. Serial No. 373,646. 15 Claims. (Cl. 74-50.)

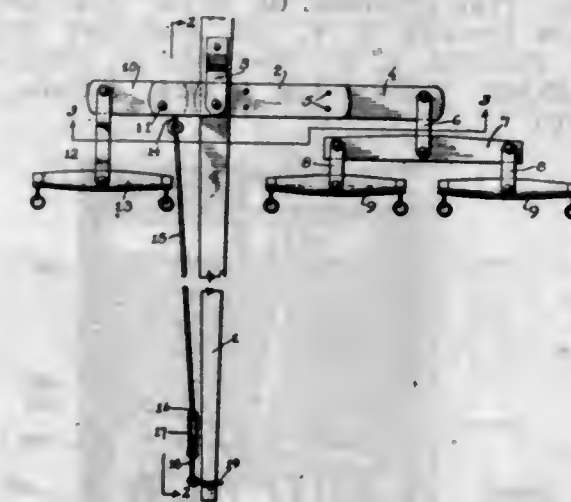
10. In a washing machine, a frame, a case secured to said frame, a drive shaft journaled in said case, drive pinions loosely mounted on said shaft, a shiftable clutch

for locking said pinions alternately to said shaft, a separately formed housing secured to said frame and to said



case, means within said housing governing the shifting of said clutch, said case and housing being removable from said frame either separately or, as a unit.

1,518,880. DRAFT EQUALIZER. HUGO STREMPER, Richmond, Tex. Filed Jan. 14, 1924. Serial No. 686,099. 1 Claim. (Cl. 278-16.)

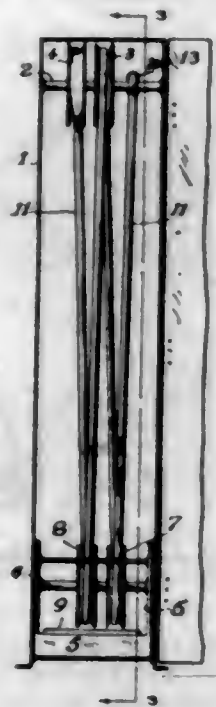


In a draft equalizer of the class described, comprising in combination, a draft pole, an equalizer beam pivoted intermediate its ends on said pole and extending transversely thereto, a doubletree carried at one end thereof, an arm pivoted on the opposite end of said beam, a singletree carried thereby, a ring on the forward end of said draft pole, and a rod connected to said ring and said arm respectively to assist the pull applied to the singletree in counterbalancing the pull applied to the doubletree.

1,518,881. AIR-HOSE EQUIPMENT. ARIO C. WALKER, Bridgeport, and WILLIAM R. YOUNG, Fairfield, Conn. Filed June 25, 1923. Serial No. 647,568. 1 Claim. (Cl. 299-78.)

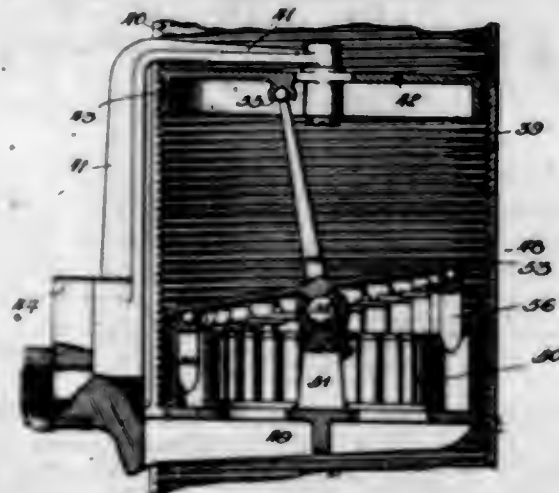
In air hose equipment, a casing, a hinged door for the casing having an opening, a shaft journaled in the casing at points adjacent to said opening of the door, a plurality of pulleys each loosely journaled on the said shaft and capable of independent rotary and sliding movements thereon, a vertically slidable member in the casing, a shaft carried by said member, a plurality of pulleys each loosely journaled on said last named shaft and capable of independent rotary and sliding movements

thereon, an air supply pipe fixed to the casing and having a part thereof disposed adjacent and opposite to the outer side face of the adjacent pulley of the first named shaft, and an air hose having one end secured to said



pipe and being engaged alternately around the pulleys of the several shafts, said opening of the door being formed to substantially align with the other pulley of the first named shaft.

1,518,882. FIRE CONTROL OF GUNS. JOHN BERNARD WALKER, Brooklyn, N. Y., and ALEXANDER RUSSELL BOND, Plainfield, N. J. Filed July 27, 1920, Serial No. 399,405. Renewed Aug. 1, 1924. 1 Claim. (Cl. 89-41.)

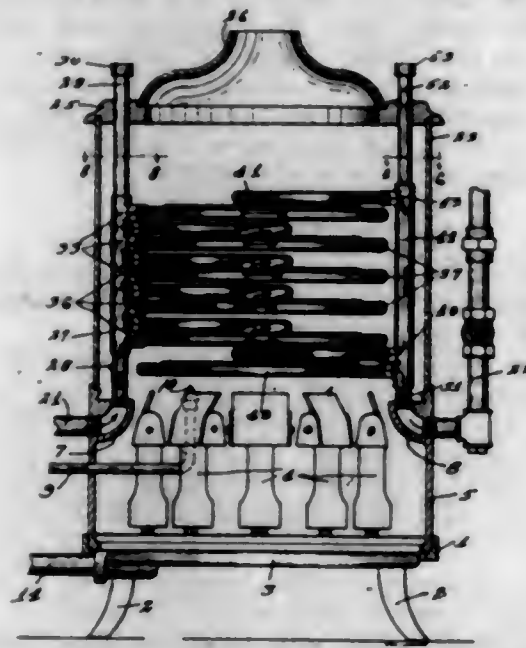


The combination with a plurality of guns and elevating mechanism operating on each of said guns, of a plurality of speed variators for controlling said elevating mechanism mounted on relatively fixed supports, shafts respectively mounted on said guns, a telescope, a contact lever connected thereto, series of contacts adapted to be engaged by said lever, motors controlled by said contact lever contacting with said series of contacts, said motors operating to move said shafts up or down with respect to said guns, and means for operating said variators by the movement of said shafts with respect to said fixed supports.

1,518,883. INSTANTANEOUS WATER HEATER. CHRISTOPHER C. WEAVER, Gary, Ind. Filed Sept. 27, 1920. Serial No. 413,094. 2 Claims. (Cl. 122-250.)

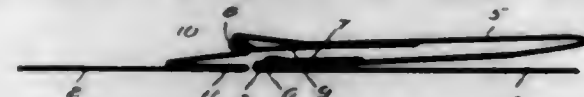
1. A water heater, comprising a casing, a water coil unit mounted in said casing comprising a vertical chambered pipe, a plurality of coils connected to communicate with adjacent chambers of said pipe, a top coil

having one end connected with the upper chamber of said pipe, a second vertical chambered pipe connected with the other end of said top coil, a bottom coil through which the water passes last, said bottom coil having the



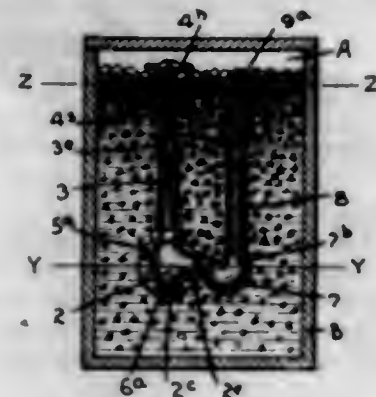
ends thereof connected with different chambers of said second chambered pipe, a rim on the upper end of said casing, and an apertured cover on said rim, said chambered pipes extending through said rim and serving as expansion chambers.

1,518,884. POCKET CONSTRUCTION. MORRIS WEINER, Bicknell, Ind. Filed June 10, 1924. Serial No. 720,330. 2 Claims. (Cl. 2-247.)



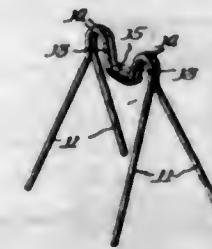
1. A side pocket construction for trousers wherein the entrance opening is formed in substantial alignment with the adjacent side seam of the leg comprising a surplusage of the suiting material on the rear edge of said entrance opening forming an extension, said extension being folded to provide a transversely expansible pleat, the outer fold of the pleat normally lying in close proximity to the front edge of the entrance opening, whereby to form the rear edge of the latter.

1,518,885. REFRIGERATING APPARATUS. HARRISON H. WELLS, Delanco, N. J. Filed Apr. 24, 1924. Serial No. 708,770. 9 Claims. (Cl. 137-21.)



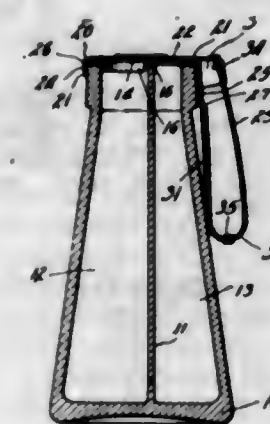
1. In apparatus of the character specified, a refrigerating chamber; means for maintaining a constant amount of brine in the lower portion of said chamber; means to regulate the level of fluid above said constantly maintained amount of brine; means whereby the body of fluid above the constant amount of brine may be drawn off when it is desired to re-ice the apparatus; and means for preventing the passage of air to or from the chamber.

1,518,886. COLLAPSIBLE CHAIR. WILLIAM E. WHITE, Chicago, Ill. Filed Feb. 9, 1923. Serial No. 617,949. 5 Claims. (Cl. 72-122.)



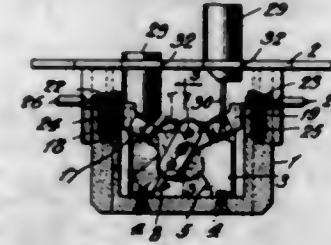
4. In a device of the class described, the combination of a pair of wires bent into U-shape providing four laterally diverging legs, the intermediate portion of each U-shaped member being vertically downwardly offset at a point between its ends, and a band for uniting the parallel horizontal parts of said offset portions, the portions of said members above said horizontal portions acting as complementary stops to limit the lateral separation of the legs of the respective U-shaped members.

1,518,887. COMBINED SALT AND PEPPER SHAKER. FRANK C. WIDMANN, Cleveland, Ohio. Filed Nov. 10, 1923. Serial No. 675,029. 10 Claims. (Cl. 65-45.)



1. In combination, a container, a slide adapted to be moved relatively to the container, a carrier for said slide, and a pair of flexible members associated with said carrier, means for operatively connecting one of said members to the slide, the other of said members coacting with the container for locking the carrier thereto.

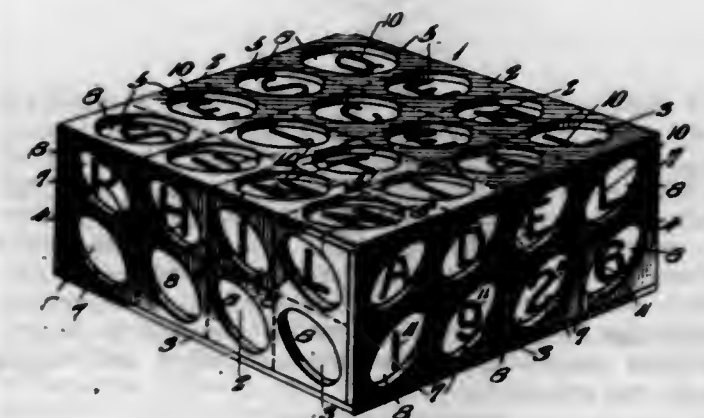
1,518,888. SWITCH. FREDERICK O. WINKLEHAUS, New York, N. Y., assignor to Metropolitan Electric Manufacturing Company, a Corporation of New Jersey. Filed July 7, 1922. Serial No. 573,380. 4 Claims. (Cl. 200-72.)



1. In a snap switch, an integral U-shaped bracket member of sheet metal, the arms of the member having lugs struck out therefrom and extending from the inner faces toward one another in alignment, and also having aligned apertures, a rocker member having depending arms disposed between the arms of the U-shaped member, the depending arms having notches therein which pass over the lugs and fulcrum thereon, a flat, stamped metal crank member embracing the bracket with aligned inte-

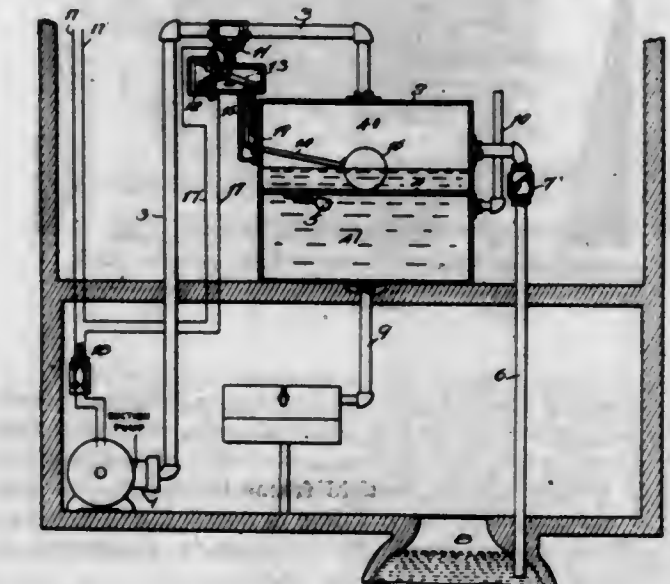
gral tongues extending into said apertures to fulcrum therein for a limited movement, a switch blade operable by the crank member, and a spring connected under tension at its ends to the rocker member and the crank member, whereby when the rocker member is shifted to carry the spring through the plane of the crank member in either direction, the spring will snap the crank member to the other limit of its movement.

1,518,889. PUZZLE. WARREN W. WOOSTER, Berlin, N. J. Filed Nov. 14, 1922. Serial No. 600,989. 3 Claims. (Cl. 46-41.)



1. A puzzle consisting of a closed box and slidable many-sided blocks therein, the latter having letters, numerals or other characteristics on the face thereof, the walls of said box having therein a plurality of finger-receiving openings of less area than said blocks through which the sides of said blocks are visible, and the blocks are made movable, said blocks being in number one less than that required to fill the box forming in the box of the size of a block a gap into which an adjacent block may be pushed in the manipulation of the blocks to produce the results of the puzzle.

1,518,890. PUMPING SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 28, 1924. Serial No. 451,713. 15 Claims. (Cl. 103-26.)



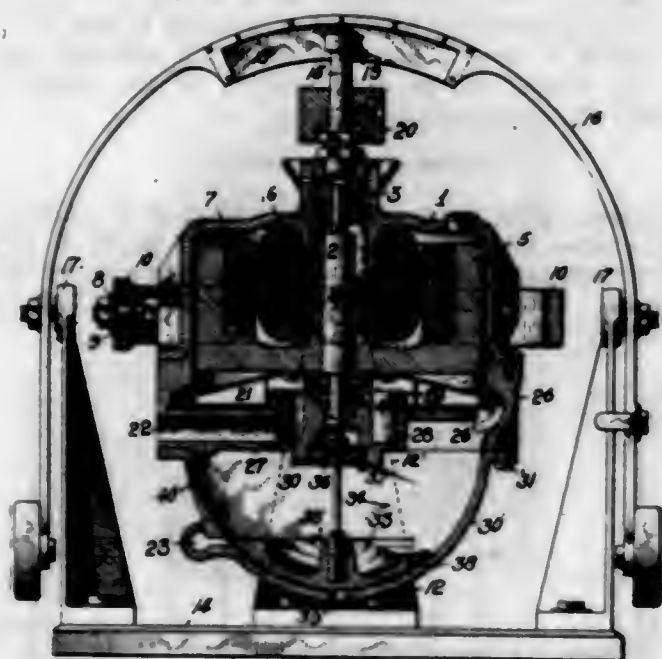
1. The combination with a suction pump, a tank, a source of liquid supply, and a conduit connecting said pump with the source of liquid supply, of level controlled means for opening and closing said conduit to atmospheric pressure and means operating simultaneously with said level controlled means for controlling the pump.

1,518,891. POULTRY FEEDER. ALBERT ANGELL, JR., Wilmette, Ill., assignor to Rosenbaum Brothers, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1922. Serial No. 581,808. 1 Claim. (Cl. 119-61.)



A receptacle for poultry feed comprising a relatively deep vessel having vertical walls, and a cover therefor comprising a two-flanged centrally apertured sheet of metal, the inner flange thereof being concentric with the walls of said vessel and depending thereinto to prevent the scattering of feed therefrom, the outer flange being secured to the rim of said vessel, said cover being provided with a plurality of regularly spaced apertures equidistant between said flanges and adapted to receive cord-like supporting members for suspending said vessel above the ground.

1,518,892. SELF-DAMPING GYROPENDULUM. MORTIMER F. BATES, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 21, 1922. Serial No. 596,008. 16 Claims. (Cl. 74-78.)

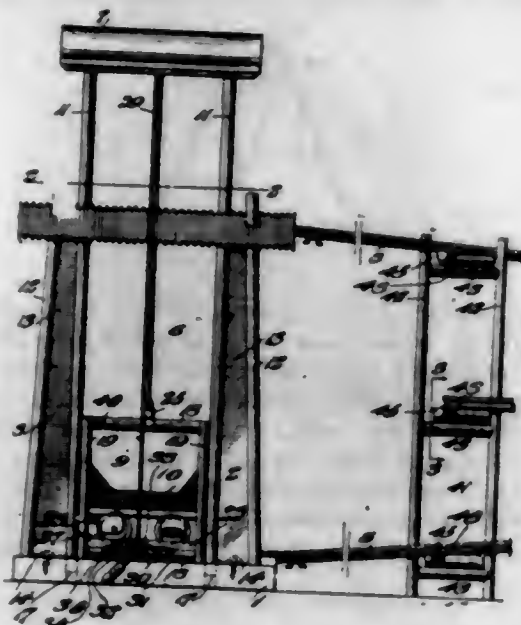


1. In combination, a gyroscopic rotor, a housing mounted for oscillation about a horizontal axis, rotatably supporting said rotor, and having a plurality of horizontally directed orifices carried by said frame located to one side of said axis, means for causing a flow of gas through said orifices and a pendulum universally suspended in said housing for controlling the orifices.

1,518,893. TOY GRAVITY RAILWAY. FREDERICK C. BAUER and CARL BAUER, Glenside, Pa. Filed Feb. 28, 1924. Serial No. 695,652. 8 Claims. (Cl. 104-67.)

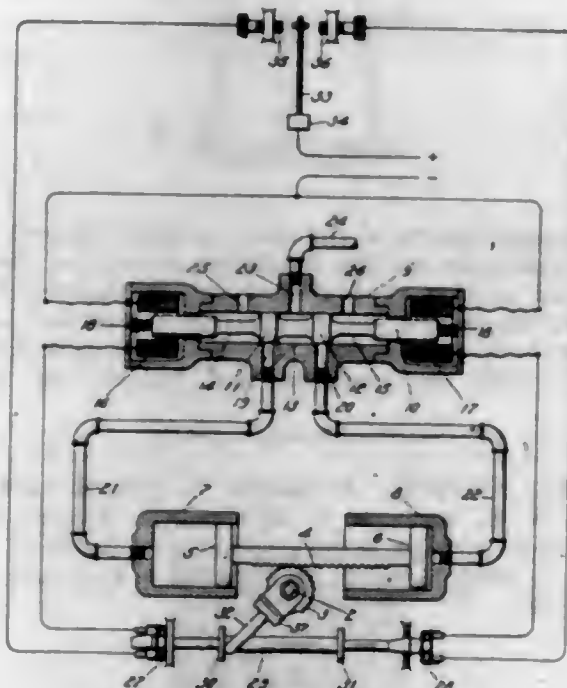
2. In a toy gravity railway, a railway, a car adapted to travel on said railway, an elevator tower, and an ele-

vator adapted to travel within said tower and to receive said car at the lower limit of its travel and automatically to discharge the same at the upper limit of its travel.



said elevator having a pivotally movable floor and a fixed obstruction substantially midway of said floor rigidly secured to said elevator.

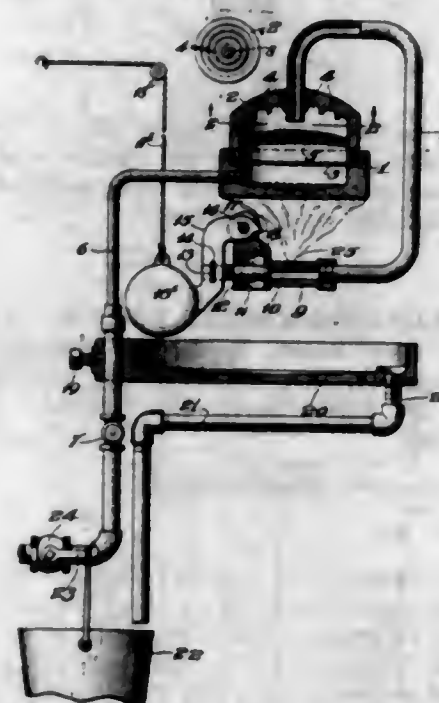
1,518,894. STEAM-REGULATING MEANS. WILLIAM L. BLISS, Niagara Falls, N. Y., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Feb. 8, 1918. Serial No. 216,104. 1 Claim. (Cl. 236-79.)



In a steam heating system, the combination of a rotatable steam valve, an electrically actuated mechanism for operating said valve comprising a solenoid for effecting the opening and a solenoid for effecting the closing of the valve, contacts in circuit with said solenoids respectively, a circuit making-and-breaking member movable in the direction of its length and cooperating with said contacts to close said solenoid circuits alternately, opening the other circuit in each instance, a member on said valve which engages said circuit making-and-breaking member and moves the same in the direction to close the circuit of the valve opening solenoid when the valve has been rotated to its closed position, and which moves said circuit making-and-breaking member in the opposite direction to close the circuit of the valve

closing solenoid when the valve has been rotated to its open position, and a circuit-making-and-breaking thermostat the operation of which in co-operation with the first named circuit making-and-breaking member governs the energization of said solenoids.

1,518,895. LIQUID-OIL-BURNING APPARATUS. GEORGE M. BONGORT, Camden, N. J. Filed Feb. 18, 1924. Serial No. 693,423. 6 Claims. (Cl. 158-63.)



5. In an apparatus of the character stated, a burner having a horizontal passage and an orifice, a counter-balanced valve for normally closing said horizontal passage, a generator having a dome the underside of which is provided with a plurality of pockets for breaking up of liquid fuel particles and for the retention of soot located above said burner, a supply pipe leading to said generator, and a pipe leading from said generator to said burner.

1,518,896. TEMPERATURE INDICATING INSTRUMENT FOR MOTOR VEHICLE RADIATORS. HARRISON H. BORCE, Forest Hills, N. Y. Original application filed June 20, 1914, Serial No. 846,247. Divided and this application filed Feb. 20, 1919. Serial No. 278,223. 10 Claims. (Cl. 73-118.)



1. In means for indicating the thermal condition of an internal combustion engine having a water circulation cooling system including a radiator having a bank of tubes, a top tank above the bank of tubes, a filler spout and a cap for closing said spout, the combination with the radiator, filler spout and cap, of an instrument

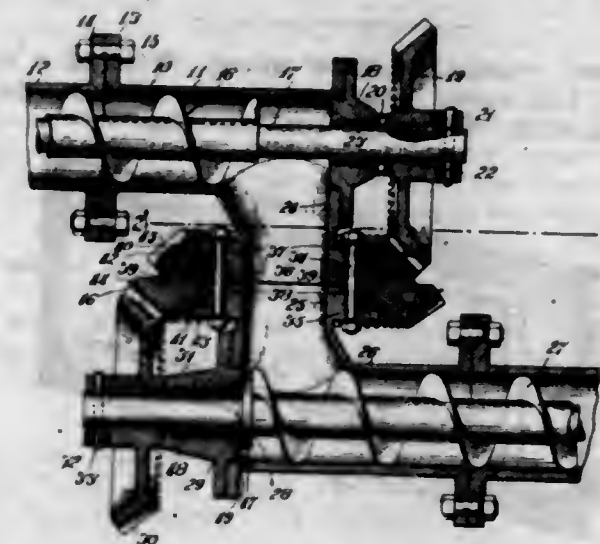
mounted on said cap having a stem projecting through a hole in the cap, releasable means operable from the outside of the radiator for clamping said instrument to said cap, said instrument having temperature-change indicating means including a flexible tube depending into the radiator into proximity to the bank of tubes and adapted normally to extend into the water in the radiator top tank.

1,518,897. CRY-PRODUCING DEVICE FOR TOYS. ELIOTT W. BRUCKNER and HENRY B. BRUCKNER, Jersey City, N. J. Filed Nov. 9, 1922. Serial No. 599,744. 4 Claims. (Cl. 46-46.)



1. In a sound producing device for toys, an air chamber having walls of flexible material, means enclosed within said chamber and normally sustaining the walls thereof in distended relation without substantially reducing the air capacity of said chamber, and a sound producing device extending through one of the flexible side walls of said chamber at an oblique angle with respect to the major axis of said chamber and through which the air is expelled upon the application of pressure to collapse the chamber walls.

1,518,898. CONVEYING APPARATUS. ALBERT H. BRUNNER, Oak Park, Ill., assignor to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed June 1, 1923. Serial No. 642,786. 15 Claims. (Cl. 198-203.)

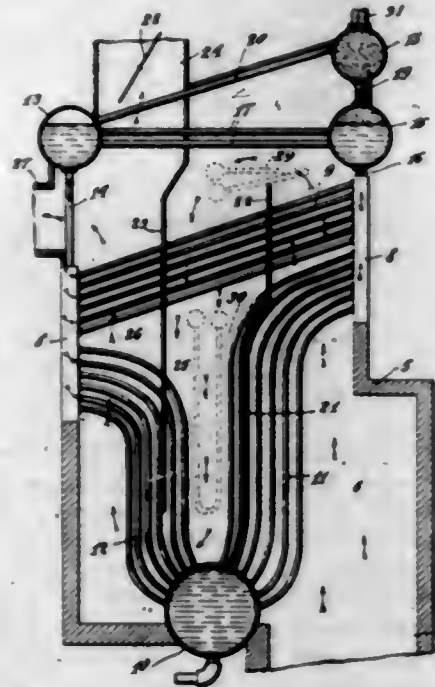


1. In conveying apparatus, the combination of communicating conveying casings, means for holding said casings in cooperative relationship with capacity for angular adjustment of one casing with respect to the other, conveyor screws in said casings, and a power transmitting mechanism interposed between said screws comprising gear wheels on the shafts of said conveyor screws, and a gear wheel arranged to turn on an axis at right angles to the axes of the aforesaid gears and meshed therewith.

1,518,899. BOILER. VIRGINIUS Z. CARACISTI, Bronxville, N. Y. Filed Sept. 2, 1919. Serial No. 321,019. 6 Claims. (Cl. 122-297.)

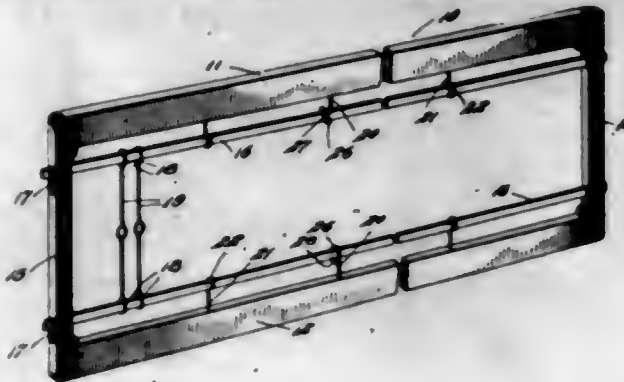
1. In combination with a furnace structure, a water tube boiler including headers mounted in opposite sides

of the furnace structure, a mud drum mounted in the lower end of the furnace structure, a bank of water circulating tubes connecting each of the headers to the mud drum, water and steam drums mounted in the furnace above the headers, means separate from said water circulating tubes for establishing water connection between the headers through said drums so as to provide a complete system of water circulation in the furnace, an additional bank of water circulating tubes connect-



ing the headers to each other and extending across the furnace above said first bank of tubes, and baffles subdividing the furnace chamber into a plurality of intercommunicating passages for the products of combustion and permitting of the unimpeded normal travel of the gases along and between the tubes in the first mentioned bank and the repeated impingement of the gases upon the tubes in said additional bank.

1,518,900. HEDDLE SCREW HOOK. WILLIAM J. COLBERT, Fall River, Mass. Filed Aug. 9, 1923. Serial No. 656,605. 7 Claims. (Cl. 139-92.)

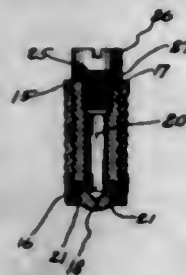


1. In heddle frames, the combination of a rectangular wooden frame, heddle shafts mounted longitudinally therein, heddles mounted transversely of said shafts, and means to lock the resilient center portions of the heddle shafts to the frame, comprising locking screw hooks having integral locking ends bent over to prevent the vibration of said heddle shafts in any direction.

1,518,901. VALVE PLUG FOR INFLATED BODIES. CHARLES F. COLLINS and FRANK J. MATER, Woodhaven, N. Y. Filed Jan. 23, 1923. Serial No. 614,432. 1 Claim. (Cl. 273-65.)

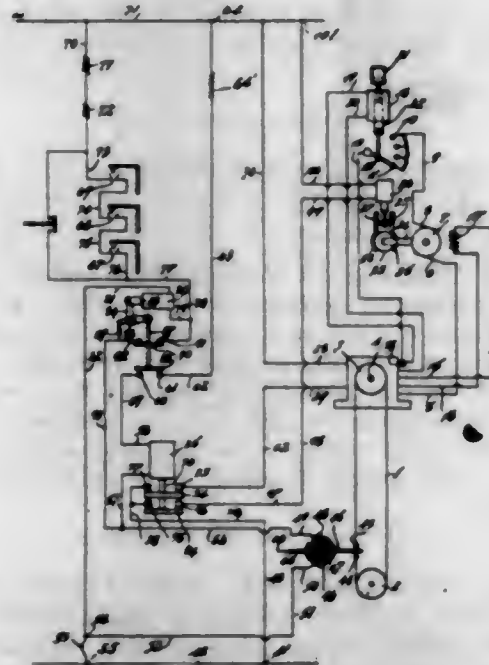
In combination with an inflatable bladder, a rubber tube projecting from said bladder, a valve body mounted in said tube having a longitudinal hole and a pair of radially extending inlet openings which communicate

with the aforesaid hole, an annular cannature encircling the valve body and communicating with the inlet openings, the end of the tube being adapted to normally cover the inlet openings and the cannatures, said tube end



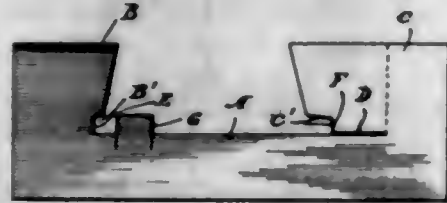
being adapted to be distended when air is blown thru the hole and inlet openings into the bladder, and a screw at the upper end of the valve body being adapted to close the hole against dirt and moisture.

1,518,902. ELEVATOR SAFETY DEVICE. NEVILLE S. DICKINSON, Glen Ridge, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed June 18, 1920. Serial No. 390,047. 7 Claims. (Cl. 187-29.)



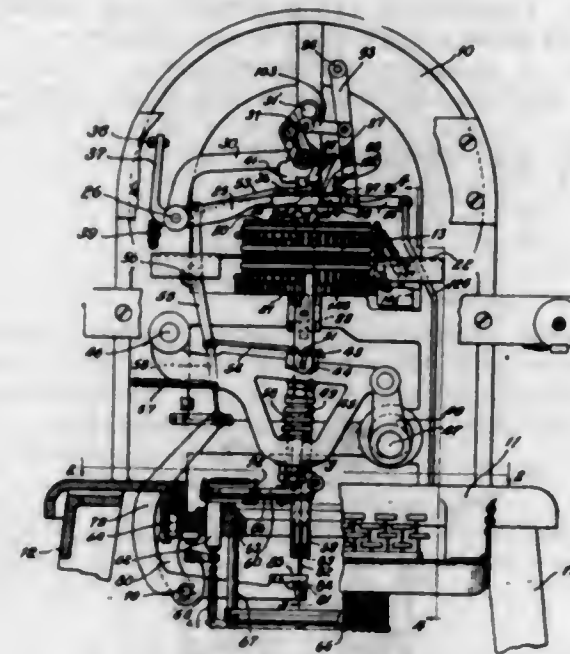
5. In an elevator safety appliance for rope-controlled elevators, the combination with an elevator motor, an electric controller therefor, and a rope operating on said controller, of a line circuit for said controller, a switch closed by movement of said rope in either direction, and means including gate contacts for preventing said switch from causing current to be supplied to said electric controller unless all of said gate contacts are first closed.

1,518,903. ANCHORING DEVICE. AUGUST DINKLAGE, East Orange, N. J. Original application filed Aug. 16, 1922, Serial No. 582,276. Divided and this application filed Oct. 16, 1923. Serial No. 668,855. 10 Claims. (Cl. 238-330.)



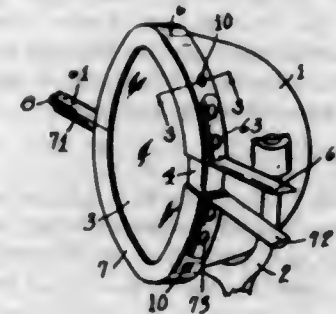
2. A creep check having oppositely disposed parts adapted to engage opposite sides of a rail, the distance between the parts being variable and the creep of the rail decreasing the distance between said parts.

1,518,904. MACHINE FOR MAKING PRINTING PLATES. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 11, 1922. Serial No. 587,278. 25 Claims. (Cl. 197-6.6.)



1. In a machine for making printing plates, the combination of a normally rotating die head, dies movably mounted on the head, means for operating the dies and including a shuttle, means for stopping the die head, and means operated by the last named means for controlling the shuttle.

1,518,905. TOOL FOR REMOVING HEADLIGHT LENSES. FRANK G. DUNORTH, Centerville, Mich., assignor of one-half to Russell D. Wagner, Centerville, Mich. Filed Aug. 5, 1922. Serial No. 579,855. 4 Claims. (Cl. 81-64.)

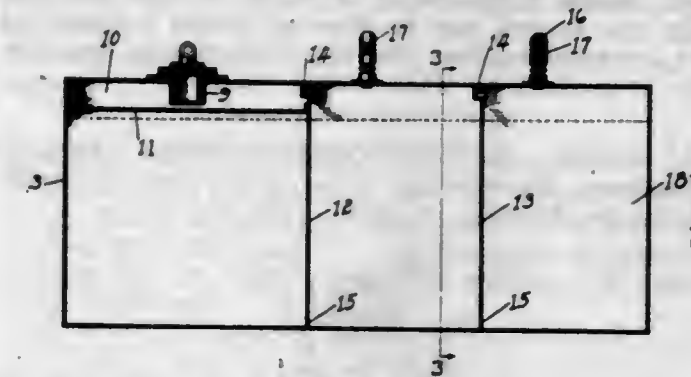


1. A tool for handling headlight lenses comprising a pair of opposed segments, seats L-shaped in cross section formed therein, a suitable cushion within each part, a divided handle one portion of which is secured to one segment and the other to the opposite segment with a hinge therebetween, and a divided and separated projecting handle at the opposite side for grasping and clamping the lens ring or cap, as specified.

1,518,906. AUTOMOBILE GASOLINE SYSTEM. MATTHEW W. EDWARDS, Toledo, Ohio. Filed Jan. 7, 1924. Serial No. 684,718. 1 Claim. (Cl. 158-36.)

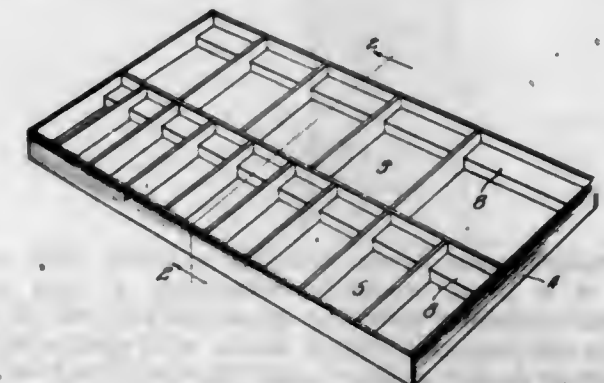
In a system for supplying gasoline vapor to an automobile engine consisting of an automobile gasoline tank having a horizontal partition forming a chamber at the top of the tank, a pipe connecting the chamber with the intake manifold of the engine and between the carburetor of the engine and the engine, a vertical partition located at the end of the horizontal partition forming one of the end walls of the chamber and extending across the tank and having a screened opening connecting the said chamber with the interior of the body portion of the

tank, an automatic one way spring pressed valve connected to the top of the gasoline tank for allowing air to pass to the tank and through the pipe as it is drawn



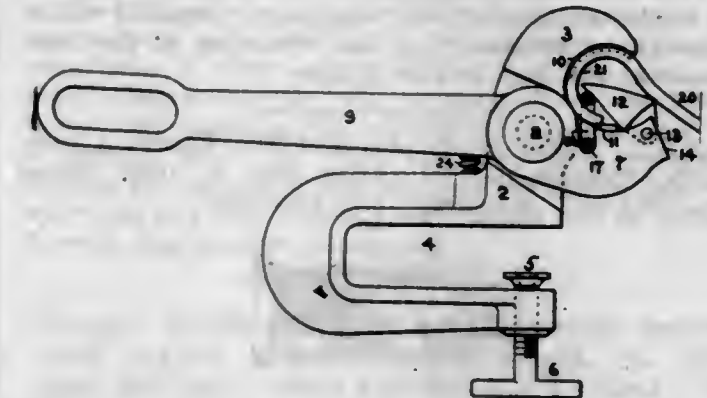
by the engine, and a spring pressed one way valve located in the pipe for permitting air vapor to pass to the manifold of the engine according to the suction produced in the engine.

1,518,907. COMPARTMENT CASE. EDWIN H. FARR, Whiting, Ind. Filed May 31, 1922. Serial No. 564,840. 1 Claim. (Cl. 276-44.)



A printer's lead and slug case having an open topped compartment for holding leads or slugs of equal heights, the depth of the compartment being substantially equal to the height of the leads or slugs and adapted to receive and support them on their edges, the bottom of the compartment having a comparatively low elevated portion at the upper end thereof, whereby when the compartment is filled those leads or slugs at the upper end thereof will rest on their edges on the elevated portion and will project above the top of the compartment into an accessible position for removal, and when such slugs or leads have been removed the slug or lead next to the elevated portion will have one of its faces exposed to the other elevated portion and thereby be accessible for removal from the compartment.

1,518,908. CHAIN-REPAIR TOOL. VICTOR A. FISCHER, New York, N. Y. Filed Apr. 10, 1924. Serial No. 705,563. 5 Claims. (Cl. 81-15.)



1. In a tool for opening and closing chain links, the combination of two jaws hinged together and provided with means for imparting a relative opening and closing

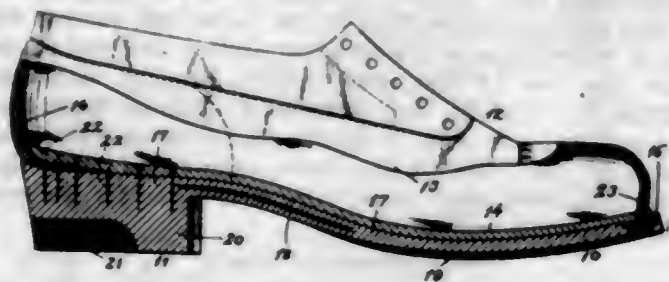
motion thereto, said jaws having their opposing faces shaped to receive and grasp a looped end of a chain link, one of said jaws being provided with an adjustable wedge-shaped blade and of such proportions that the wedge end thereof may be directed inward between the jaws as when opening the link and directed outward away from the jaws when closing the link.

1,518,909. MANUFACTURED FLOWER. CARL C. FOLDEAST, Warrensville, Ohio. Filed Nov. 15, 1923. Serial No. 674,819. 1 Claim. (Cl. 41-13.)



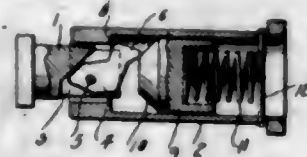
A manufactured flower including a broom corn sprig dried in a green condition comprising a stem with branches extending from the upper portion thereof and pods on the branches, and a bloom of a species of an everlasting flower secured upon the upper end of the stem.

1,518,910. SOLE AND HEEL CONSTRUCTION. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 27, 1922. Serial No. 547,028. 4 Claims. (Cl. 36-35.)



1. A ground-contacting member for footwear having a tread part of soft-rubber composition and an attaching part of stiff-rubber composition overlying substantially the whole top area of said tread part, integrally united therewith by vulcanization, and extending to the tread surface at the edge of said member.

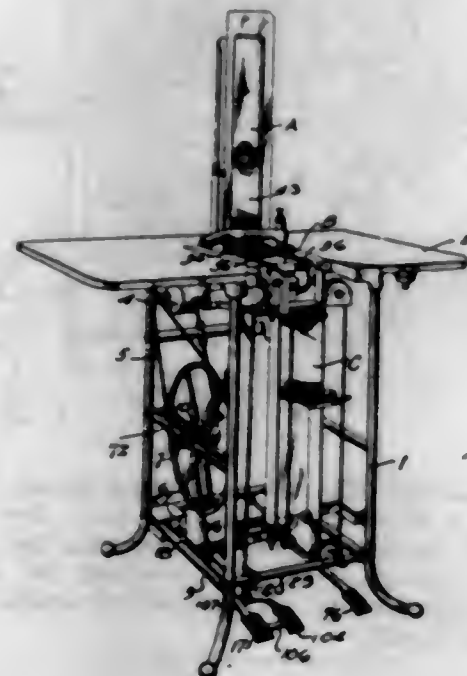
1,518,911. DOOR STOP AND CATCH. MARTIN A. GARATTY, Philadelphia, Pa. Filed Sept. 8, 1923. Serial No. 661,507. 4 Claims. (Cl. 292-78.)



2. A combined door stop and catch comprising a barrel having an inner stop shoulder, a plunger, a dog carried by the plunger and adapted to engage the stop

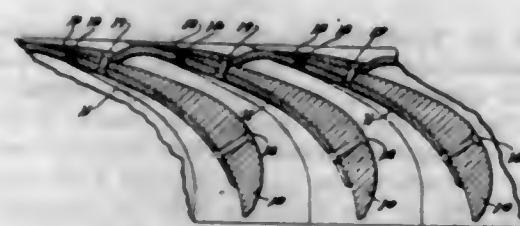
shoulder of the barrel, and a spring pressed plunger within the barrel and adapted to cooperate with the said dog and plunger and having a beveled portion for the projecting end of the dog to ride upon.

1,518,912. SELECTIVE ATTACHMENT FOR ADDRESSING MACHINES. ERWIN A. GEIGER, Ridgewood, N. J., AUGUST F. SCHRAEGLE, Ridgewood, and CHARLES E. ELLIS, Brooklyn, N. Y., assignors to Rapid Addressing Machine Company, a Corporation of New York. Filed Jan. 24, 1924. Serial No. 688,118. 15 Claims. (Cl. 101-18.)



1. An attachment for addressing machines of the type wherein a series of address bearing strips are fed to and through a cooperating printing mechanism which may be adjusted to either print from said strips or to skip them, which attachment comprises a mechanism adapted to stop the machine, a device controlling said mechanism, and actuating means for said device adapted to be thrown into operation whenever a strip of a particular class reaches printing position.

1,518,913. BLADE TIE. CHRISTIAN GILSON, Homewood, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 20, 1921. Serial No. 496,311. 14 Claims. (Cl. 253-77.)

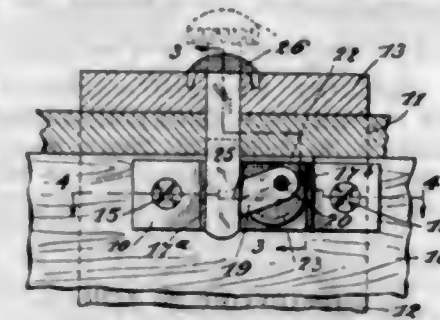


3. In a row of turbine blades, a bracing member between adjacent blades, each member being secured to one blade and having an offset portion secured to an adjacent blade and another bracing member to form lashing for the row of blades.

1,518,914. SEALING DEVICE FOR SHIPPING CASES. ABRAHAM H. GOODWIN, New York, N. Y. Filed Sept. 19, 1923. Serial No. 663,683. 6 Claims. (Cl. 217-69.)

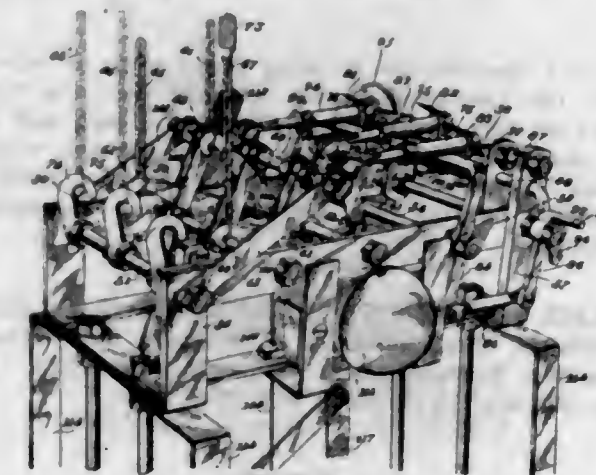
1. A device adapted for use in sealing cases including a base plate adapted to be secured to the inner surface of a side wall of the case, a second plate having terminal flanges at opposite ends extending at right angles

thereto and secured to said base plate and holding said plates in parallel spaced relationship, one of said plates having an upwardly extending lug adjacent to one of said flanges and a pawl pivotally mounted between said plates adjacent to the other flange, and a cover securing



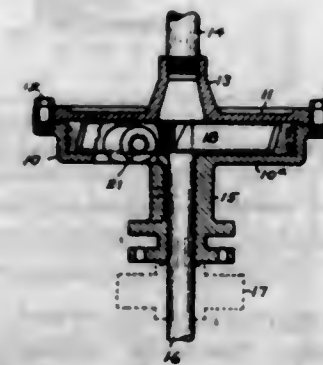
member including a strip of a thickness substantially equal to the distance between said plates and adapted to enter between said lugs and between said plates and into locking engagement between said pawl and one of said flanges.

1,518,915. BURGLAR ALARM. WILEY NATHANIEL GREENE, Gray, Ga. Filed Jan. 22, 1924. Serial No. 687,739. 13 Claims. (Cl. 116-85.)

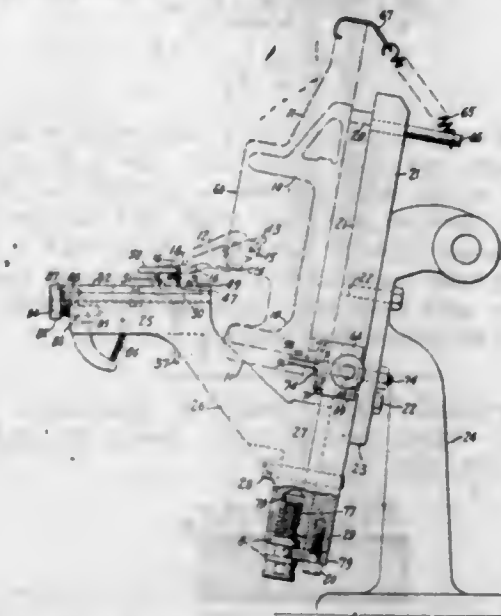


5. A burglar alarm comprising a frame, a shaft journaled upon the frame, a cable wound upon said shaft, means exerting tension upon said cable tending to rotate said shaft, a ball mounted to swing upon said frame and provided with means for restraining the shaft from rotation, a plurality of plungers co-acting with the ball and adapted independently to move said ball out of restraining position, sounding means actuated by the rotation of the shaft and means adapted to connect said plungers independently with movable protected parts.

1,518,916. FLUID PUMP. SIDNEY W. GREENWELL, Hometown, Ind. Filed Mar. 27, 1922. Serial No. 547,253. 1 Claim. (Cl. 103-103.)

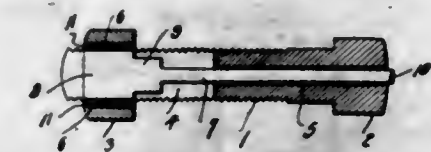


1,518,917. TYPEWRITER-TYPE SOLDERING AND ALIGNING APPARATUS. JOHN B. GAFFIN, Newington, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 15, 1921. Serial No. 492,576. 87 Claims. (Cl. 113-59.)



1. A jig for holding in a predetermined position the general framework of a typewriter machine having swinging type-bars therein, so that each type-bar may be swung to its printing position, said jig also comprising means whereby the types for said bars may be brought serially to their exact finally aligned printing positions vertically, laterally and levelly, and each held there while the associated type-bar is soldered thereto in a manner to maintain the alignment and leveling of the type.

1,518,918. NUT LOCK. ISAAC W. GRIFFITH and THOMAS E. DOWNEY, Johnstown, Pa. Filed Sept. 22, 1923. Serial No. 664,268. 2 Claims. (Cl. 151-8.)

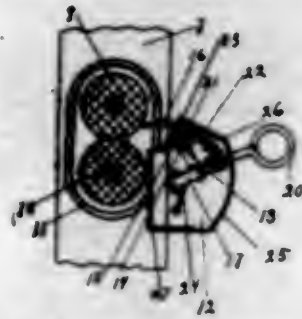


1. In combination, a bolt having a kerf in its threaded end and provided with a longitudinal opening extending from the inner end of the kerf through the opposite end of the bolt, a nut mounted upon the threaded end of the bolt and having grooves in the inner side of the bolt opening to register with the said kerf, and a key comprising a stem having a head at one end, the latter lying within the kerf of the bolt and projecting beyond the threaded side to enter grooves of the nut in register with the kerf, and said stem extending through the opening of the bolt and adapted to have the projecting end bent laterally against the bolt to prevent outward displacement of the key.

1,518,919. SAFETY DEVICE FOR CLOTHES WRINGERS. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed Sept. 24, 1923. Serial No. 664,337. 4 Claims. (Cl. 68-37.)

1. An attachment for a clothes wringer having frame members and presser rolls journaled in said frame members, comprising side members mounted on said frame

members, a bell crank having an operating member journaled in said side members, a feed plate with its lower edge hinged to the bell crank and having link members mounted on its ends, a guide bar with its ends mounted in guide slots in said side members and passing through the link members, the upper longitudinal edge of said feed plate being arranged to engage clothes



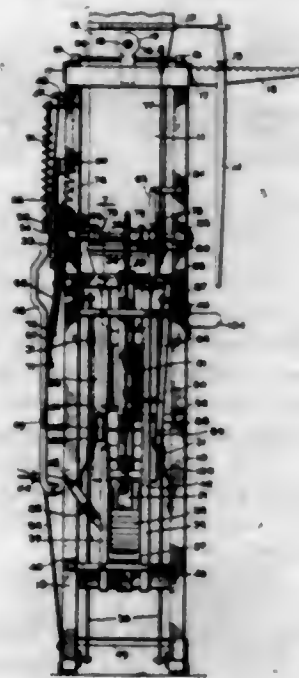
and force the same between said presser rolls, a member placed between the feed plate and the presser rolls and fastened to the side members to prevent the clothes from passing between the feed plate and presser rolls when being acted upon by said feed plate, and a cover plate with its ends fastened to the side members forming a guard over said feed plate and protecting said feed plate when in an inoperative position.

1,518,920. PROJECTILE. JOHN J. HALLORAN, Daly City, Calif. Filed Nov. 4, 1920. Serial No. 421,692. 1 Claim. (Cl. 102-26.)



A projectile for a choke bore gun having a solid nose and a cylindrical body consisting of a relatively thin deformable shell having an open-ended cavity commencing in the nose so that the entire cylindrical body readily adjusts itself to the various diameters of the tapered bore, and a central core attached to the nose of such a diameter as to remain out of contact with the shell.

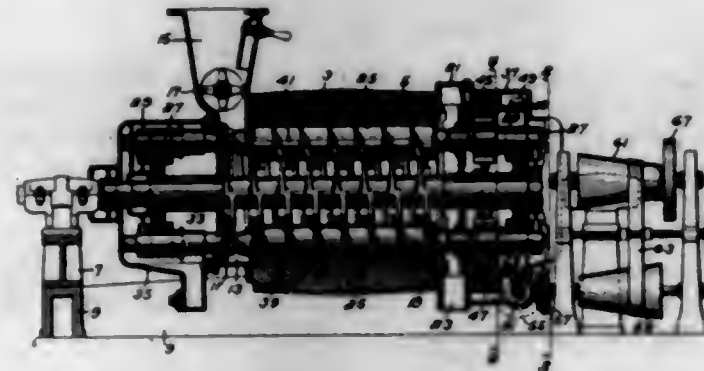
1,518,921. FLOUR-PACKING MACHINE. HENRY O'B. HARDING, Minneapolis, Minn., assignor to Washburn-Crosby Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 1, 1920. Serial No. 385,565. 5 Claims. (Cl. 226-25.)



1. In a machine of the class described, the combination with feeding means, of a receptacle support movable towards and away from the same, a control shaft, operative connections between said control shaft and said

support, said control shaft operating through said connections to control positively the receptacle support in its movement both to and from the feeding means, and actuating shaft, a clutch for rendering the actuating shaft effective on the control shaft, and means operable by the receptacle support for operating the clutch.

1,518,922. METHOD OF AND APPARATUS FOR WORKING PAPER STOCK. ANTON J. HAUG, Nashua, N. H., assignor to Improved Paper Machinery Company, Nashua, N. H., a Corporation of Maine. Filed Sept. 7, 1923. Serial No. 661,418. 17 Claims. (Cl. 92-20.)



1. In a machine for working paper stock or other material, the combination with a stock receiving surface, of one or more rolls, means for moving each roll bodily over the stock upon said surface, means for positively turning the roll while in contact with the stock, and means for varying the speed of turning movement of the roll.

1,518,923. SPARE-TIRE HOLDER. ERNEST N. HENSON, Memphis, Tex., assignor of one-half to Charles Lee Rushing, Memphis, Tex. Filed July 23, 1923. Serial No. 653,250. 4 Claims. (Cl. 224-29.)

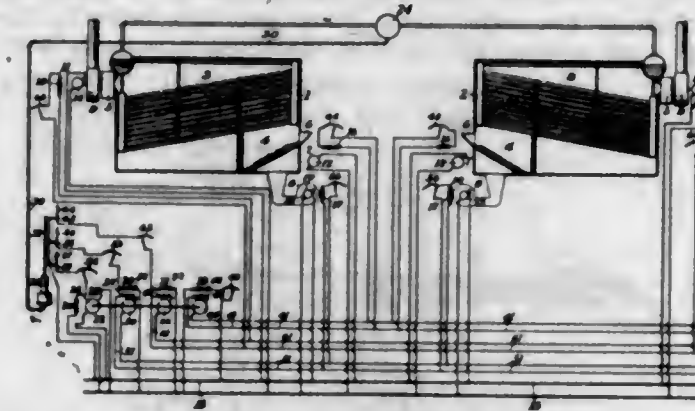


1. In a tire holder the combination with a sectional casing, expansible yieldable connections between portions of the sections of the casing, and means for adjustably connecting other portions of the sections commensurate with the expansion of the expansible connections.

1,518,924. COMBUSTION CONTROL. LAWRENCE J. HESS, Coltsville Township, Mahoning County, and MERRILL G. BENJAMIN, Lakewood, Ohio, assignors to The Benjamin Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 22, 1921. Serial No. 463,675. 47 Claims. (Cl. 236-26.)

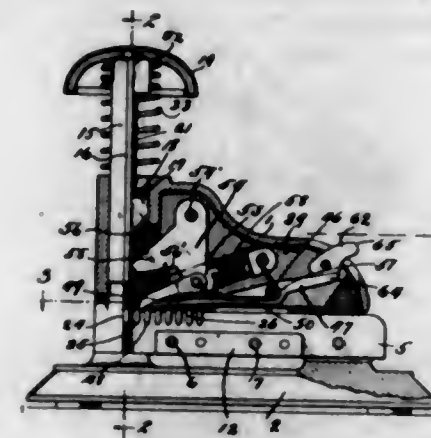
1. The method of operating a battery of furnaces having independent means for each furnace for supplying

an element of combustion to the furnace and having an electric motor for operating each of such supply means,



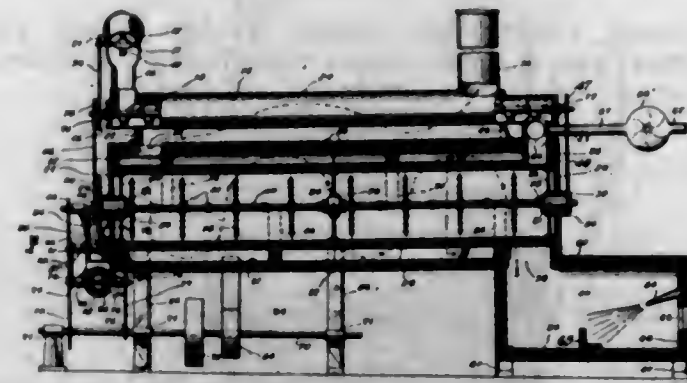
which includes supplying current to a winding of each motor and varying such current in accordance with a function of the battery, substantially as described.

1,518,925. STAPLING MACHINE. ROMAN HENRY HEYN and FRIDOLIN POLZER, Norwalk, Conn. Filed May 7, 1923. Serial No. 637,214. 10 Claims. (Cl. 1-23.)



8. A stapling machine comprising a housing, a hold-back lever, a feeder pawl and a feeder cam mounted in said housing, a plunger and straightener co-operating with said first named mechanism, and a shell within said housing and carrying said feeder pawl and feeder cam, said shell and the pawl and feeder cam being removable from the housing as a unit, and said plunger and straightener being mounted in said housing and removable therefrom as a unit.

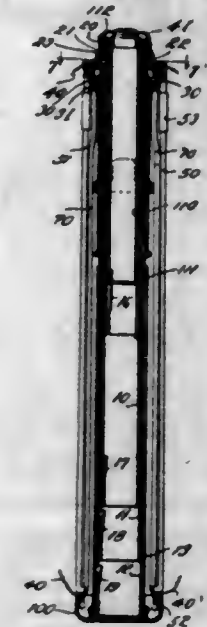
1,518,926. PROCESS FOR TREATING ORGANIC MATERIALS TO PRODUCE MEAL AND OIL. STANLEY HILLER, San Jose, Calif., assignor to Stanley Hiller Incorporated, San Francisco, Calif. Filed Apr. 28, 1924. Serial No. 709,632. 5 Claims. (Cl. 87-13.)



1. A process of rendering solid fat and oil containing materials which comprises the steps of continuously advancing said materials through an enclosed space with heated walls; splashing the materials against the walls

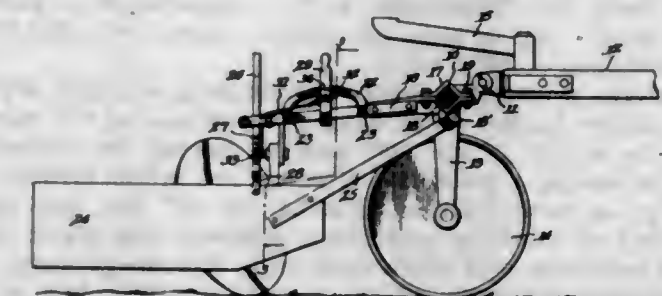
of said enclosed space; quickly removing the material from said walls into said space; and repeating the splashing and removing steps in rapid succession as the material advances through the enclosed space.

1,518,927. FOLDABLE UMBRELLA. JOHN V. HNANICEK, Cleveland, Ohio. Filed Feb. 23, 1923. Serial No. 620,705. 9 Claims. (Cl. 135-28.)



1. An umbrella having in combination a shaft, ribs carried thereby, a runner movable on the shaft, stays connected at one end to the runner and at the other end to the ribs, a member carried by the runner and co-operating with the shaft to position the runner thereon, and a rotatable locking ring embracing the runner and having a beveled edge thereon, said edge cooperating with said member to unlock the runner from the shaft, the locking action being accomplished by rotation of the member and the unlocking action by movement of said member longitudinally of the shaft.

1,518,928. ADJUSTABLE FENDER FOR CULTIVATORS. MELCKER ALBIN HOLLEBERT, Atlanta, Nebr. Filed Apr. 2, 1923. Serial No. 629,467. 4 Claims. (Cl. 97-188.)

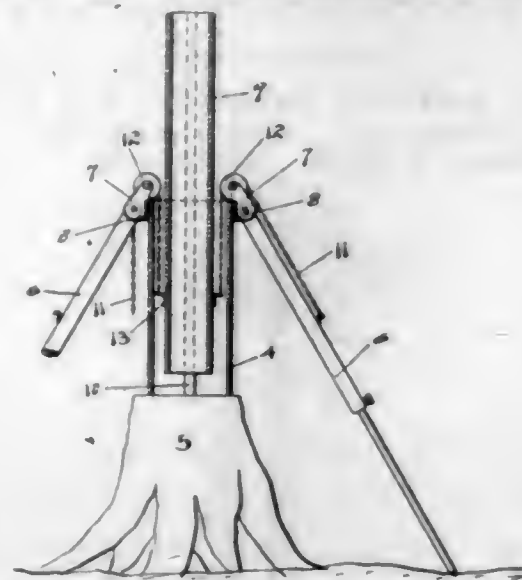


3. A fender attachment for cultivators comprising a pair of connected arms, means at one end of said arms for pivotally securing the fender to a cultivator, a substantially vertical bar attached at its lower extremity to said fender and extending loosely between said arms, a lever mounted on said arms, and flexible means connected to said bar and lever for raising said fender.

1,518,929. STUMP BURNER. VICTOR L. HOLT, Portland, Ore. Filed June 25, 1921. Serial No. 480,409. 1 Claim. (Cl. 110-21.)

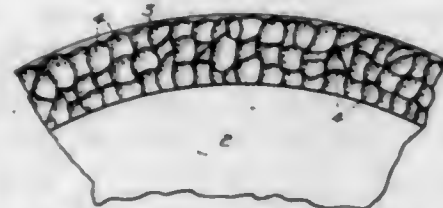
In a stump burner: coaxial telescopic pipes spaced apart; a plurality of tubes within the space between said

pipes and secured to the inner of said pipes, and projecting beyond the lower end of the inner pipe to form feet therefor; a tripod for supporting the outer of said pipes



upon the top of the stump; and flexible connections between the inner of said pipes and said tripod for the purpose of adjusting the position of said inner pipe.

1,518,930. METHOD OF DECORATING GLASSWARE. GUSTAV A. HORN, Jeannette, Pa., assignor to Westmoreland Specialty Company, Grapeville, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1924. Serial No. 704,718. 4 Claims. (Cl. 41-26.)



1. The method of decorating glassware in imitation of hammered metal consisting in grinding the surface to provide an area composed of closely adjacent facets, and covering the same with a suitable pigment.

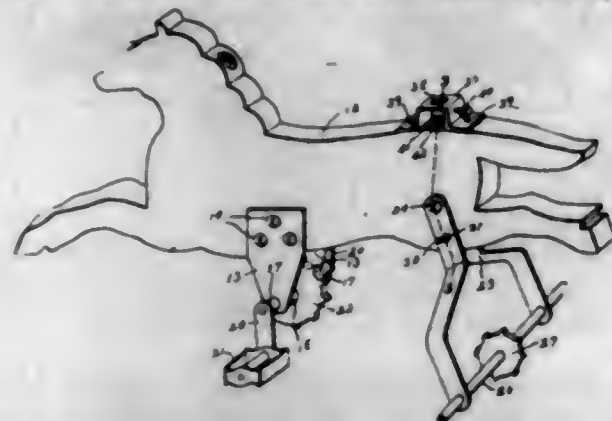
1,518,931. PROCESS FOR PRODUCING WOOLLIKE EFFECTS UPON COTTON FABRICS. HAROLD I. HUEY, Saylesville, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed May 31, 1922. Serial No. 564,979. 2 Claims. (Cl. 8-5.)

1. The described process for producing wool-like effects on cotton fabrics which consists in subjecting the fabric to the action of an acid mixture having the property of producing a wool-like effect on the fabric through a range of concentration from 34° to 42° Bé., and consisting of sulphuric acid and a different acid which like the sulphuric acid when used alone has the property of imparting wool-like effects to cotton fabric but at a range of concentration more restricted than the range of said acid mixture.

1,518,932. CHILD'S VEHICLE. JACKSON F. JOHNSTONE, Boston, and DAVID A. JOHNSTON, Melrose, Mass. Filed Dec. 5, 1923. Serial No. 678,726. 6 Claims. (Cl. 208-42.)

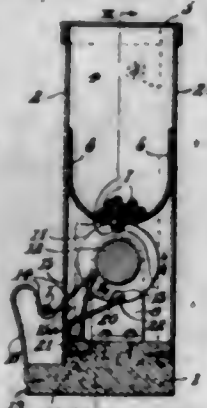
1. A child's vehicle comprising an elongated body having flat sides and two groups of transverse bolt holes below its upper edges, one group being in the forward portion and the other in the rear portion of the body; a pair of crank-shaft supporting hanger plates seated on the flat sides; clamping bolts passing through the forward group of bolt holes and attaching the hanger plates to the forward portion of the body; a pair

of rear axle-engaging standards seated on said sides; and clamping bolts passing through the rear group of bolt holes and attaching the standards to the rear portion of the body, there being two bolt holes in the said rear group, one of the standard attaching bolts



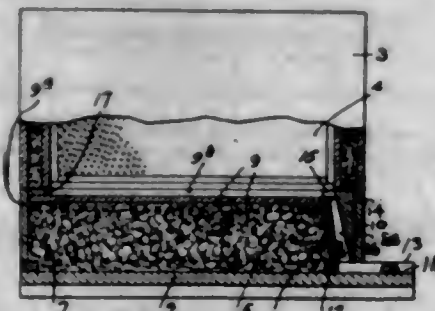
being a pivot bolt on which the standards are adapted to swing and adjust a rear axle engaged therewith, the other bolt passing through slots in the standards and being provided with a clamping nut, whereby the standards and axle may be confined at different adjustments.

1,518,933. MATCH-DISPENSING RECEPTACLE. HARRY KANTOR, Rimersburg, Pa. Filed Mar. 15, 1923. Serial No. 625,325. 2 Claims. (Cl. 206-22.)



1. In a match dispensing apparatus, a casing, a match receptacle in the casing having a delivery slot in the lower end thereof, a delivery drum journaled in the casing beneath the receptacle, a match receiving support extending through a wall of the casing to receive a match from the drum, said match receiving support being formed of a single strand of wire having spaced V-shaped side legs extending through an opening in the casing to receive a match, the inner ends of the legs carrying depending extensions connected at their lower ends by a cross rod engaging the base of the casing, and the outer ends of the legs carrying depending extensions having barbs formed on their ends anchored in the outer edge of the casing base.

1,518,934. BEEHIVE. ALBERT T. KEIL, Mars, Pa. Filed Nov. 5, 1923. Serial No. 672,863. 5 Claims. (Cl. 6-1.)



1. In a bee-hive the combination with a bottom-board and brood-chamber, a packing box for containing packing material, said packing box being interposed between

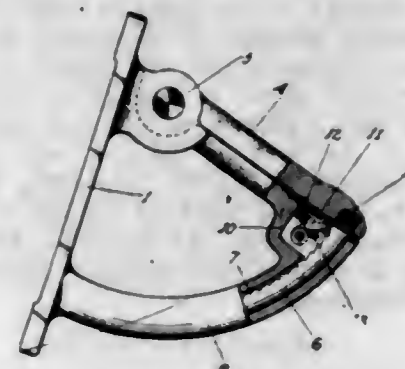
said bottom-board and brood-chamber, and provided with a slope-board and a depressed platform forming the bottom of the brood-chamber.

1,518,935. VIOLIN MUTE. LOUIS KOZELEK, Schenectady, N. Y. Filed Sept. 8, 1923. Serial No. 661,615. 2 Claims. (Cl. 84-297.)



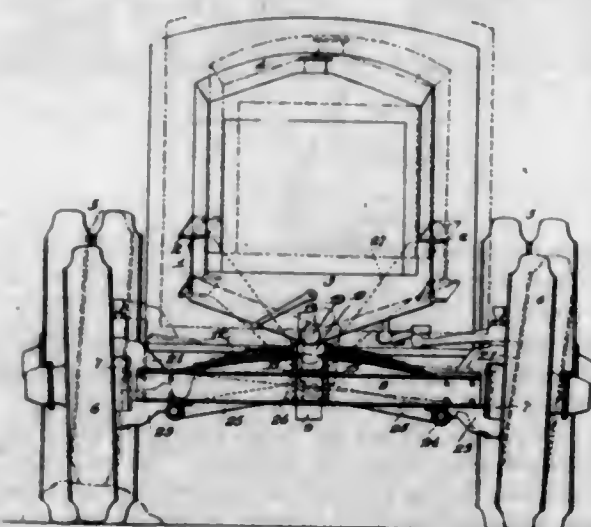
1. In combination with a violin, of a mute formed of soft pliable material to be adjustably positioned between the strings and finger board for causing variations in tone.

1,518,936. ROBE HOLDER. WALTER G. LACHENMAIER, Lodi, Calif. Filed Dec. 18, 1923. Serial No. 681,320. 3 Claims. (Cl. 45-13.)



1. A robe holder comprising spaced brackets, a rigid bar extending therebetween, arms pivoted on the bracket, a rigid bar extending between said arms and adapted to co-operate with the first named bar, ratchet bars fixed on the arms and extending into sockets provided in the brackets, and pawls mounted in the brackets and normally engaging the ratchet-bars.

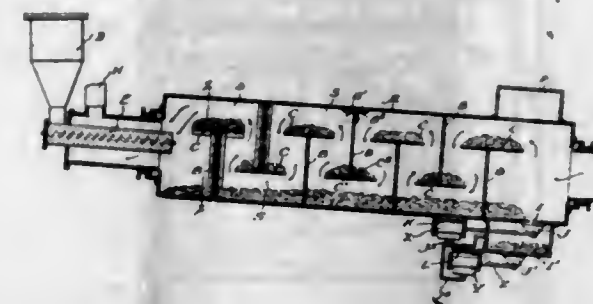
1,518,937. MOTOR VEHICLE AND AXLE THEREFOR. JOHN M. LANDEN, New York, N. Y. Filed Dec. 2, 1918. Serial No. 264,889. 14 Claims. (Cl. 280-112.)



1. A vehicle having a frame comprising longitudinal and transverse members, an axle adjacent one end of the frame, a spring carried by but unsecured to the axle, said spring being pivoted to the frame in the longitudinal center line of the frame, and a pivotal connection other than the spring between the axle and the frame.

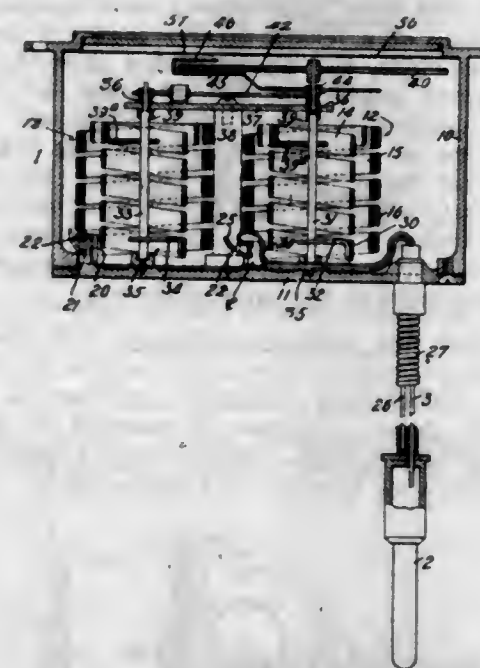
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1,518,938. ROTARY RETORT. HARALD NIELSEN, London, England, assignor of one-half to Bryan Laing, Hatfield, Herts, England. Filed Feb. 4, 1924. Serial No. 690,678. 3 Claims. (Cl. 202-9.)



2. An inclined elongated rotary retort for the heat treatment of solid material comprising baffle plates projecting inwardly therefrom and dividing the interior of the retort into a series of compartments, an annular member disposed around and attached to the lower end of the retort defining with the wall of said retort a closed annular chamber therearound, said retort having an opening therein connecting the retort with said annular chamber, said annular chamber having an opening leading from the same to the atmosphere, valves for controlling said openings, steam cylinders for intermittently operating said valves, and means for conducting the exhaust steam from said cylinders into the annular chamber so as to assist in cooling down the material before it is discharged to the atmosphere.

1,518,939. COMPENSATED DISTANCE-TYPE THERMOMETER. HERMAN SCHLATCH, Brooklyn, N. Y. Filed Apr. 28, 1919. Serial No. 293,266. 26 Claims. (Cl. 73-118.)

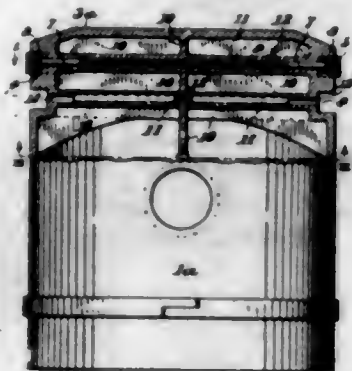


1. In an instrument of the character described the combination of duplicate pressure-sensitive elements, means actuated by the joint operation of said elements for producing a reading compensated for temperature errors, and means for correcting said reading for errors due to inequalities in the action of said pressure-sensitive elements when subjected to local temperature changes.

1,518,940. PISTON-RING EXPANDER. CLINT B. SMIDER, Independence, Kans. Filed Oct. 30, 1923. Serial No. 671,696. 2 Claims. (Cl. 74-109.)

1. In a piston ring expander, the combination with a piston having internal transversely extending intersecting webs disposed adjacent the piston head and annular ring

receiving grooves surrounding the piston in line with the webs, of ring expanders including the provision of intersecting bores in the cross webs opening into the



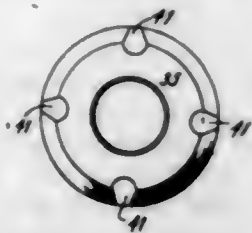
grooves and tensioned plunger expanders slidably mounted in the outer ends of the bores engaging the inner face of a piston ring.

1,518,941. VENTILATED HAT. ANNA SOLOMON, New York, N. Y., assignor of one-half to Fanny Shapiro, New York, N. Y. Filed July 21, 1923. Serial No. 652,951. 2 Claims. (Cl. 2—182.)



1. An improved hat comprising, a crown having a plurality of openings therein arranged in the sides and in the front and back of the crown, said openings being large and being of a length greater than the spaces between the openings, the crown having upwardly arched upper marginal edges for the openings to reinforce the crown against crushing and compensate for the small portions of crown left between the long openings, a sweat band having a plurality of openings of substantially the same size and contour as the openings in the crown, a foraminous stiffening band exterior of the crown, and a foraminous hat band extending over said stiffening band at the exterior thereof.

1,518,942. FLUSHING VALVE. HOWARD A. SPEAR, Springfield, Mass., assignor of one-half to John W. Stacy, Springfield, Mass. Filed June 21, 1923. Serial No. 646,793. 14 Claims. (Cl. 137—139.)



10. In a flushing valve, a hollow body having therein inlet, outlet, pressure, and relief chambers, a valve-seat between said inlet and outlet chambers, a valve for such seat, a piston-head in said pressure chamber, a valve-stem member connecting said valve and piston-head, a valve-seat between said pressure and relief chambers, a valve for said last-named valve-seat, a tube below said piston-head, said tube opening into said pressure chamber, and there being an open passage between said inlet and pressure chambers, a stem extending from said second-named valve into said tube, a perforated piston carried by said stem in said tube, a spring

arranged normally to force said stem and its valve and piston downwardly, means normally to close the perforations in said perforated piston, the construction providing for an open passage between both ends of said perforated piston, and magnetic means to open said second-named valve against the force of said spring.

1,518,943. HOLDER FOR SHOW CARDS, ETC. ELIOTT M. STORY, Worcester, Mass. Filed July 31, 1923. Serial No. 634,876. 1 Claim. (Cl. 248—39.)

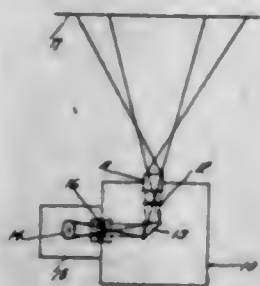


A holder of the character stated, comprising a carrying member composed of an elastic rubber cup, adapted to be held by atmospheric pressure against a support; and a snap-fastener of the stud-and-socket type, the stud member whereof includes interengaged parts provided with clamping flanges which are caused by the interengagement of said parts to engage a central zone of said cup, so that a portion of the stud member projects outward from the back of the cup, said portion being formed to support an article depending therefrom, in position to be laterally confined by the socket member of said fastener, so that the fastener, when supported by the cup, is adapted to releasably confine an article suspended therefrom.

1,518,944. ASBESTOS PAPER, ETC. NATHAN SULZBERGER, New York, N. Y. Filed Sept. 13, 1920. Serial No. 400,958. 11 Claims. (Cl. 92—3.)

9. A cigarette wrapping paper containing asbestos compounded with a colloid binder and an oxidizing agent, and said wrapper containing a cellulose ester.

1,518,945. PROCESS FOR COLORING MOTION-PICTURE FILMS. LOREN E. TAYLOR, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,340. 2 Claims. (Cl. 88—16.4.)



1. The process of coloring motion picture films comprising taking a positive print from an original negative by printing with their emulsion sides in contact, projecting successive views of said positive each onto a mat of non-actinic color in sequence, the emulsion side of said positive being toward the projecting light, making drawings on said mats in actinic color on the areas of said views it is desired to tint with one color, thence exposing successive portions of an unexposed negative film to each of said mats so the successive drawings will be impressed thereon in the sequence in which they were produced, developing said negative and taking a positive print therefrom by printing with the celluloid side of the positive in contact with the emulsion side

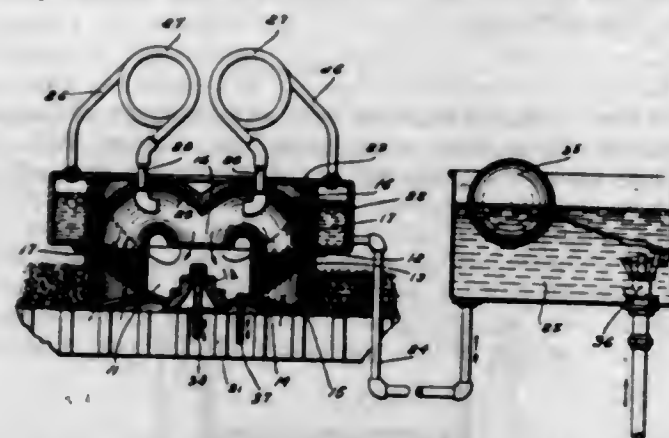
of the negative, developing said positive and treating it so the emulsion over the areas thereon corresponding to those of the drawings will absorb moisture and the remaining areas will be impervious thereto, applying dye to said absorbent areas, thence subjecting said positive to a pressurable contact with the original positive, while in register therewith and with their emulsion sides in contact.

1,518,946. PROCESS FOR COLORING MOTION-PICTURE FILMS. LOREN E. TAYLOR, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 701,976. 4 Claims. (Cl. 95—2.)



1. The process of coloring motion picture films comprising producing a negative by exposure of a film predominantly sensitive to certain colors and predominantly insensitive to colors complementary thereto, taking a positive print therefrom, etching out those portions of the sensitized coating of the negative containing the silver affected by exposure to light, applying coloring matter to said etched negative so that it is absorbed by those portions of its gelatinous coating not removed by etching, said color being complementary to the color to which the negative was predominantly sensitive, and transferring said coloring matter to the positive film by bringing it into pressurable facial contact therewith.

1,518,947. OIL BURNER. EDWARD L. WALKER, West Barrington, R. I., assignor to S & K Burner Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 6, 1923. Serial No. 673,179. 4 Claims. (Cl. 158—92.)

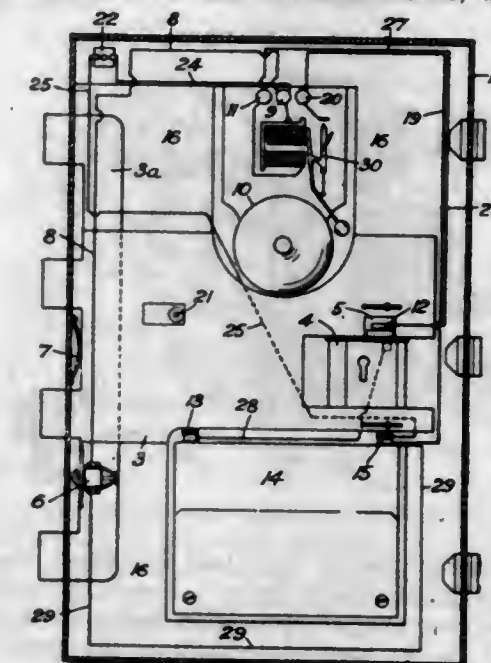


4. In an oil burner, a combustion chamber, means for supplying liquid fuel thereto, an annular steam generating member located adjacent said chamber, means for supplying and maintaining water at a constant predetermined level therein, a tube leading from said member into said chamber for conducting steam thereinto, said tube being provided with a coil at a point intermediate said member and its discharge end to be directly acted upon by the heat of the flame for superheating the steam in its passage from said generator to said chamber.

1,518,948. SAFE AND THE LIKE. CHARLES H. WHITTINGHAM, Birmingham, England. Filed June 4, 1924. Serial No. 717,776. 1 Claim. (Cl. 177—31.4.)

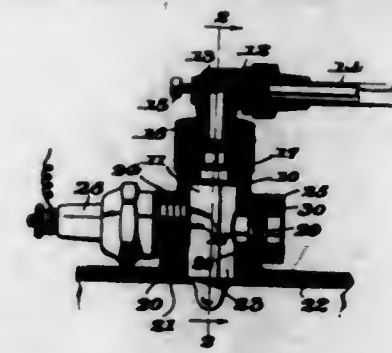
In alarms for safes, a slidable lock-bolt, and yielding resilient means for normally preventing the passage of

said bolt beyond a predetermined point, in combination with an alarm circuit and a switch interposed in said circuit, independent of said resilient means, and acting



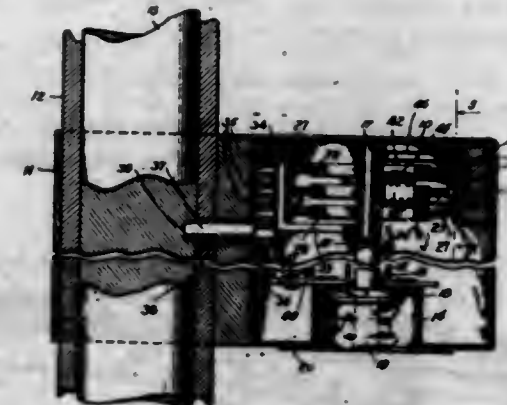
to close the alarm circuit when said lock-bolt is moved beyond said predetermined point against the action of said resilient means.

1,518,949. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 11, 1920. Serial No. 388,129. 2 Claims. (Cl. 123—122.)



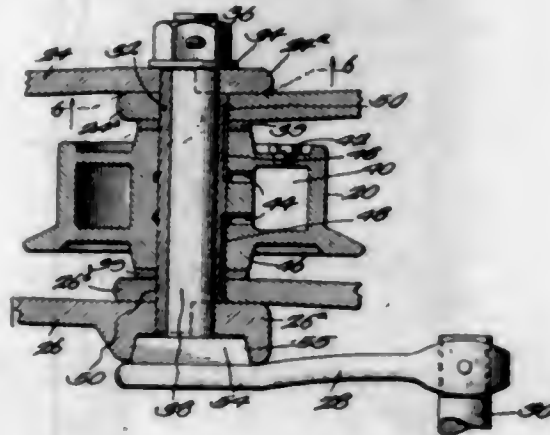
1. A combustion device having a screened inlet opening at one end, an outlet opening, and lateral aligned openings for a spark plug and window respectively.

1,518,950. LOCK. JAMES MAURICE ZWEIMAN, Brooklyn, N. Y. Filed Dec. 18, 1922. Serial No. 607,691. 14 Claims. (Cl. 70—53.)



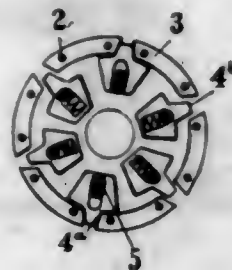
1. A permutation lock of the character described, including a shaft capable of simultaneous rotary and axial movement, to release a bolt, a series of revolving selector members, disposed about said shaft, means carried by said shaft for rotating said members, and means for moving the shaft axially with each rotation thereof in one direction to disengage the first means from the selector member.

1,518,951. **BUCKET CONVEYER.** FRANKLIN B. ANDRUS, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,540. 2 Claims. (Cl. 194-148.)



1. In mechanism of the class described, two pairs of links having interfitting ends, a sleeve through said link ends affording pivotal connection between them, a roller journaled on the sleeve intermediate the links, means on the sleeve spacing one pair of links from the other pair of links and roller, a crank arm for supporting a bucket and means extending through the sleeve for detachably securing the arm in rigid position with reference to one link.

1,518,952. **ELECTRIC MOTOR WITH SQUIRREL-CAGE ROTOR.** ARMAIS ARUTUNOFF, Berlin, Germany, assignor to Stephen Springett, Jackson, Mich. Filed July 14, 1922. Serial No. 574,963. 8 Claims. (Cl. 172-120.)



1. In an induction motor, an annular series of segments having converging portions; and a plurality of radially movable contact members adapted to be moved outward by centrifugal force; said contact members also having converging portions adapted to engage converging portions of the adjacent segments and close the gaps between such segments and make broad contact therewith when the contact members are projected.

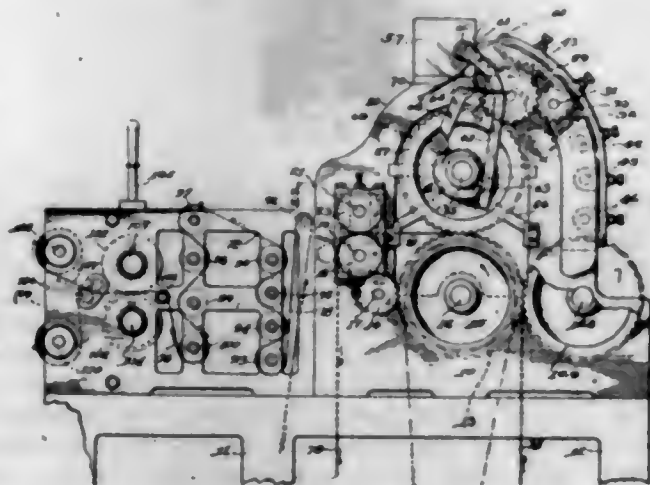
1,518,953. **BUMPER FOR AUTOMOBILES.** JOHN I. ASNER, Baltimore, Md. Filed Mar. 15, 1924. Serial No. 699,458. 8 Claims. (Cl. 293-55.)



1. In a bumper of the class described, a bumper spring consisting of a bar of spring material having a straight middle portion forming the front side of the bumper, each end of the bar being curved backwardly and inwardly to provide a straight rear side portion, said side

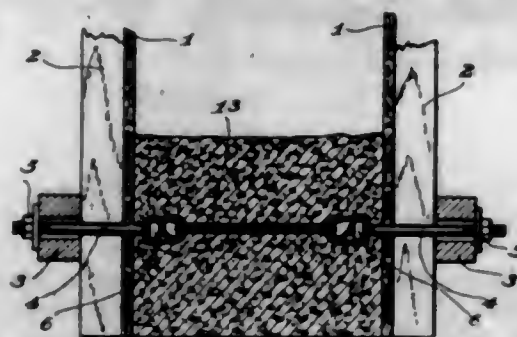
portions being provided at their proximal portions with forwardly and outwardly directed bends disposed centrally of the bumper the material being continued outwardly from said bends and terminating each in a volute, said volutes contacting with the front straight portion and respective rear straight portions, clips each connecting a volute to a straight portion, and means connecting the centrally disposed bends with the forward straight portion.

1,518,954. **WEB PRINTING AND WINDING MECHANISM.** WILLIAM ASSHETON, Baltimore, Md. Filed Mar. 16, 1923. Serial No. 625,454. 6 Claims. (Cl. 101-227.)



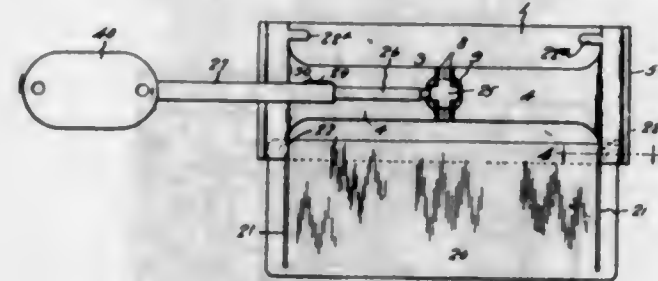
1. In a web printing mechanism the combination with a printing cylinder, of means beyond the printing cylinder for piling the printed web in loose superposed folds to allow the ink thereon to dry sufficiently to prevent off-setting, means for drawing the web from the lowermost fold of the loose pile and placing said web under tension, means for trimming the web after it has been placed under the latter tension and means for spooling the web into a finished roll.

1,518,955. **TIE MEMBER FOR CONCRETE FORMS.** KNUTE BACKLUND, Pittsburgh, Pa. Filed Dec. 7, 1923. Serial No. 679,252. 7 Claims. (Cl. 25-131.)



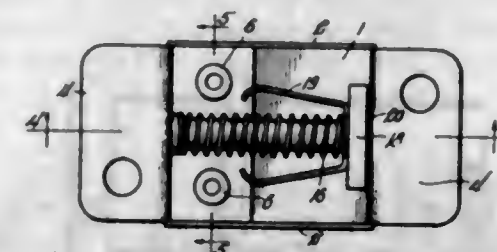
1. In combination in a tie member for concrete, a pair of stirrup members provided with loops and hooks, a tie consisting of a number of turns of relatively light wire engaging the hooks on the stirrups, nuts lying in the stirrups and held against turning thereby, rods extending through the loops in the stirrups and threaded into the nuts, and also being threaded at their other ends, and nuts on said other ends.

1,518,956. **COMBINED REAR-VIEW MIRROR AND GLARE SCREEN.** ALBERT B. BEITMAN, Cleveland, Ohio. Filed Dec. 31, 1920. Serial No. 434,298. 6 Claims. (Cl. 45-97.)



1. In combination with a rear view mirror, a glare screen that is shiftable with respect to the mirror from operative position to a position wherein it is concealed by the mirror.

1,518,957. **ELECTRIC SWITCH.** BERNHART A. BENSON, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,776. 9 Claims. (Cl. 200-161.)



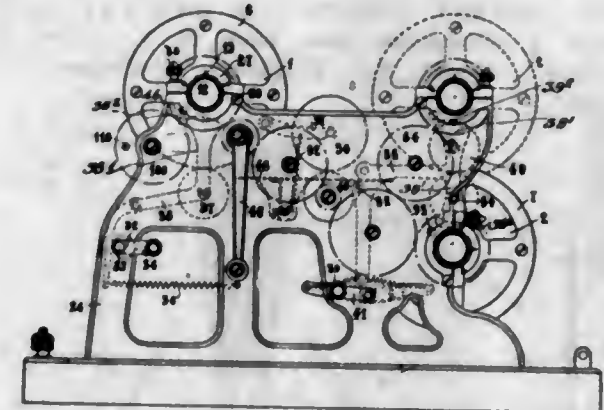
1. An electric switch comprising a casing, a reciprocable plunger mounted therein, a pair of wire terminals disposed at opposite sides of the plunger, an insulator disposed in the casing and having the plunger extending through the same, the plunger having means engaged by the casing to limit the movement of the plunger in one direction and also having means engaged by the insulator to limit the movement of the insulator along the plunger in the same direction, spring means interposed between the insulator and the casing to urge the insulator in the said direction, and a contact member mounted on the insulator and adapted to contact with both wire terminals when the insulator is moved in the opposite direction against the resistance of the spring.

1,518,958. **SHUTTLE BOBBIN.** WILLIAM R. BERRYMAN, Brooklyn, N. Y. Filed Aug. 28, 1922. Serial No. 584,633. 3 Claims. (Cl. 112-251.)



1. The combination with a spool comprising a cylindrical portion on which the thread is wound and end heads secured thereto of resilient washers on the inside of said heads between said heads and the thread position.

1,518,959. **DUPLICATING APPARATUS.** ADOLPHE BESSAT and LEON LOUIS LIEVENS, Nanterre, France. Filed Sept. 21, 1922. Serial No. 589,693. 10 Claims. (Cl. 101-119.)



1. In a duplicating apparatus, a stationary, hollow axle having a slot in its lower surface; a hollow printing cylinder loosely mounted on said axle; means for rotating said cylinder; an inking device disposed within said cylinder to supply ink to the surface thereof, and connected to said axle to be supported thereby; and an ink-containing tube rotatably fitted within the axle and having a slot which is normally out of registration with the axle slot but is adapted to be brought into registration by the rotation of the tube to feed the ink to said inking device.

1,518,960. **SUCKER-ROD JOINT.** ESTELLA HARRIETT BOWSER, El Dorado, Ark. Filed Mar. 20, 1924. Serial No. 700,599. 3 Claims. (Cl. 287-117.)



1. A coupling for sucker rods and the like, comprising two engaging screw-threaded members, a collar enclosing the extremities of said members, and an internal flange upon said collar, having an inner thread to cooperate with the thread upon one of said members.

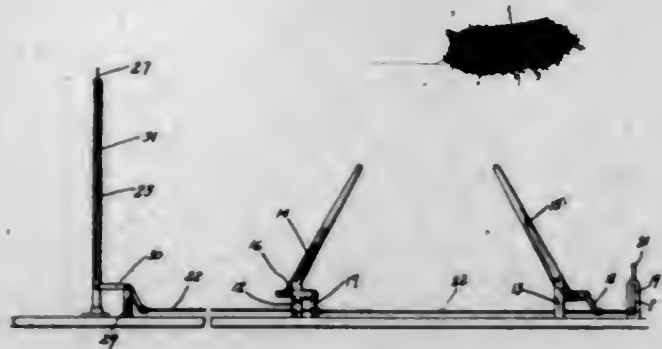
1,518,961. **CROCHET HOOK AND HOLDER.** SAMUEL H. BURNS, Brooklyn, N. Y. Filed Mar. 1, 1924. Serial No. 696,369. 6 Claims. (Cl. 66-17.)



1. A crochet hook and holder comprising a hook and an outer shell having a flattened end tapering to an opening adapted to admit the shank of said hook, in

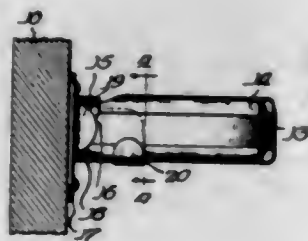
combination with means covered by said outer shell co-operating with said flattened end to grip the shank of said hook.

1,518,962. SAFETY DEVICE FOR RAILWAY GATES. THOMAS T. CHALONER, New York, N. Y. Filed Aug. 13, 1924. Serial No. 731,698. 4 Claims. (Cl. 240-293.)



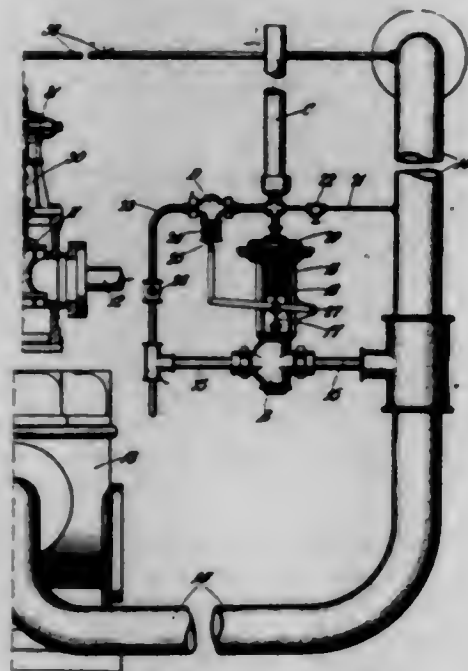
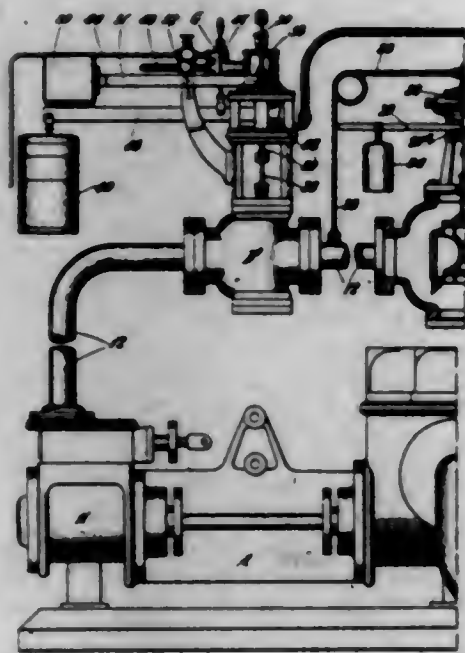
2. In the combination of a railroad crossing gate, closing means, and means for closing the source of power of a moving train when passing a predetermined position comprising a pair of crossing gates, bell cranks supported adjacent said gates and pivoted thereto, a pipe connecting said bell cranks pivotally, an additional crank one end of said pipe being secured to said crank, an upright post, an automatic stopping lever pivotally mounted on said upright post, a bell crank on said post, a tie rod connecting the automatic stopping lever and bell crank, an additional bell crank having one arm thereof connected to the pipe member and a rod connecting said last-named bell crank to the bell crank at the upper end of the post, said pipe when pulled being adapted to rotate the automatic stopping lever, and a jointed arm on the train being adapted to engage said automatic stopping lever and be rotated thereto.

1,518,963. CURTAIN-ROD BRACKET. JAMES A. CIVIS, Chicago, Ill., assignor to Titchener-Dienl Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 15, 1923. Serial No. 619,111. 3 Claims. (Cl. 156-22.)



3. In a device of the class described, the combination with a flat U-shaped curtain rod, ends of which are flattened and rebent to form a hook, of a pair of brackets, each comprising a fastening plate having an angularly disposed projection, a downturned hook on the upper edge of the projection near its junction with said plate and of a width to accommodate the flattened portion of the rod and spaced away from the plate sufficiently to accommodate the rod hook therebehind, and up-turned hook on the lower edge of the projection near its free end, said latter hook being of a width to accommodate the full width of the rod.

1,518,964. FIRE-SPRINKLER SYSTEM AND THE LIKE. ROBERT CLARK, Kew Gardens, Surrey, England, assignor of one-half to George Augustus Mower, London, England. Filed Dec. 28, 1923. Serial No. 682,711. 6 Claims. (Cl. 103-16.)

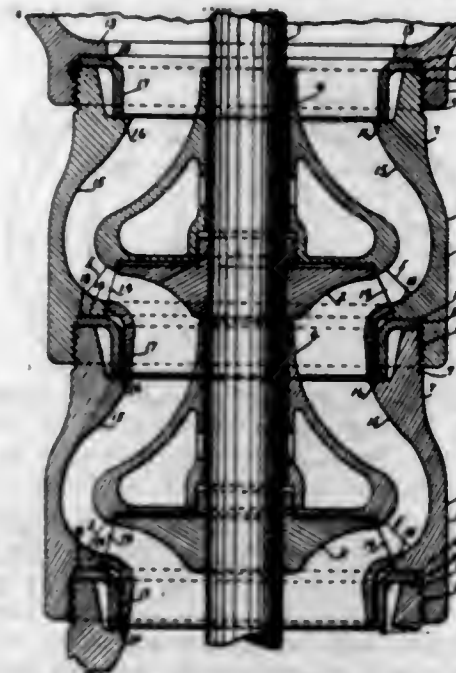


1. In a hydraulic pumping-system of the kind referred to, for use in connection with an automatic fire-sprinkler system or the like, means for reducing automatically and periodically the pressure in the hydraulic system to such an extent as to bring about the starting of the pump, comprising a waste-valve adapted to be opened so as to permit the pressure in the hydraulic system to fall, and a hydraulic pressure- or weight-accumulating device adapted to bring about the automatic and periodic opening and closing of said valve.

1,518,965. PUMP. DAVID J. CONANT, San Jose, Calif. Filed Aug. 22, 1922. Serial No. 583,661. 4 Claims. (Cl. 103-102.)

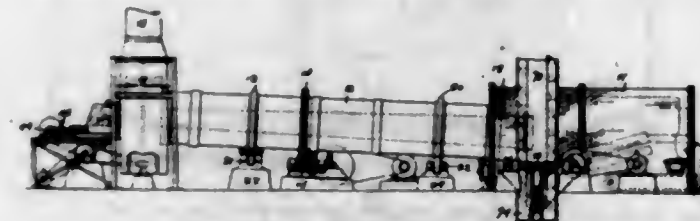
4. In combination, a pump bowl having a shoulder formed on the inner surface of its discharge end and threaded on the outer surface thereof, a second bowl

threaded on the inner surface of its receiving end to engage the said threaded surface of said first mentioned bowl and having a shoulder formed on its inner surface



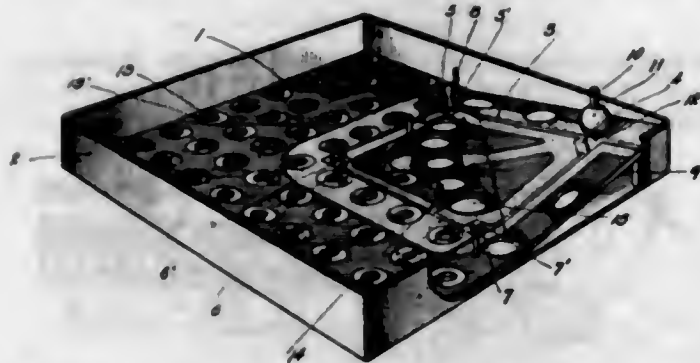
adjacent said threaded portion, and a wear ring having means formed thereon engaging the shoulders on both bowls when the threaded portions are engaged.

1,518,966. DRIER. GEORGE B. DAMON, Belvidere, N. J., assignor to Vulcan Iron Works, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1921. Serial No. 505,434. 24 Claims. (Cl. 34-6.)



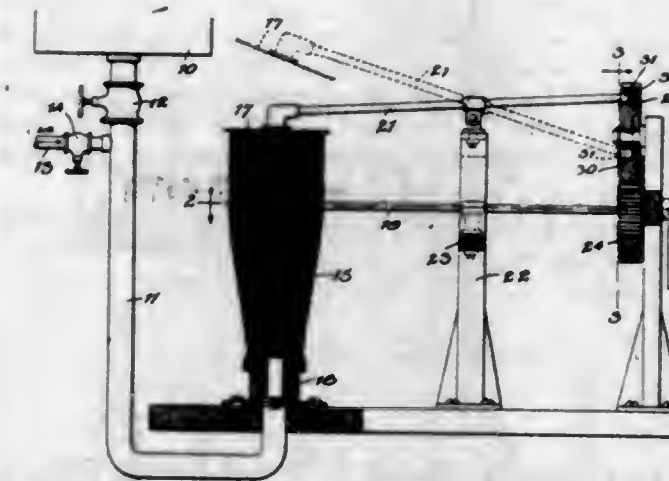
19. In a drier, a rotary shell and inner flue, affording between them an annular drying chamber, a settling chamber to which escape the gases passing through said flue and chamber, a feed trough passing through said settling chamber, in combination with a reciprocating feeder working in said trough and comprising pivoted pallets having a one-way operative engagement with the material in the trough.

1,518,967. GAME APPARATUS. ALBERT H. DICKINSON, Kansas City, Mo. Filed Jan. 6, 1922. Serial No. 527,368. 3 Claims. (Cl. 273-120.)



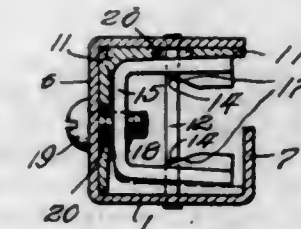
2. A game apparatus comprising a board representative of a baseball diamond and provided with sockets, pins forming a barrier across the diamond between the home and second base positions, and a spindle comprising a spherical body adapted for passage between the barrier pins and for seating in said sockets, the board being inclined from some base position to a point between said position and the barrier.

1,518,968. METHOD OF MAKING ARTICLES FROM PULP AND APPARATUS FOR PRACTICING THE METHOD. WALTER HENRY DRAKE, Cleveland, Ohio. Filed Nov. 14, 1918. Serial No. 262,575. 8 Claims. (Cl. 92-54.)



1. The method of producing articles from pulp consisting in introducing pulp suspended in a watery carriage into the bottom of and to fill a mold consisting of separable foraminous sections, continuing the inflow under sufficient pressure to produce ebullition in the mold and overcome the tendency of the pulp fibers to separate from the carriage and deposit by gravity, discontinuing the flow of pulp when the deposit has reached the required thickness and introducing through the same inlet a drying fluid to continue the ebullition and expel the remaining watery carriage and compact and dry the deposit and separating the sections to discharge the molded article.

1,518,969. BED-RAIL FASTENING. DARRELL F. DYKE, Chicago, Ill., assignor to The Seng Company, Chicago, Ill., a Corporation of Illinois. Filed May 12, 1919. Serial No. 296,284. 10 Claims. (Cl. 5-290.)



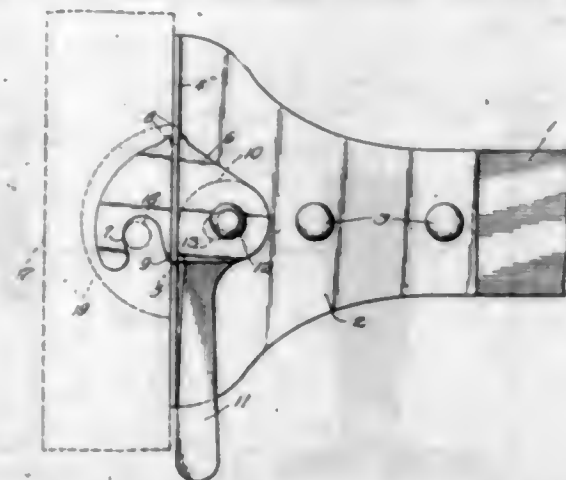
1. In a bed rail fastening, a housing having a rectangular opening, a brace extending between opposite sides of the housing in the opening, a wedging member engaging the brace and movable transversely in the housing, and a side rail insertable in the housing and adapted to be engaged in either one of two positions by the wedging member.

3. In a fastening for angle bar bed rails, a housing attachable to a post and having a rectangular opening, and a U-shaped wedging member transversely movable in the same path in the housing for engaging in the angle of an angle bar in either one of two positions and having means for preventing the removal of the member from the housing.

1,518,970. RAIL FASTENER. DARRELL F. DYKE, Chicago, Ill., assignor to The Seng Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1919. Serial No. 298,270. 8 Claims. (Cl. 5-296.)

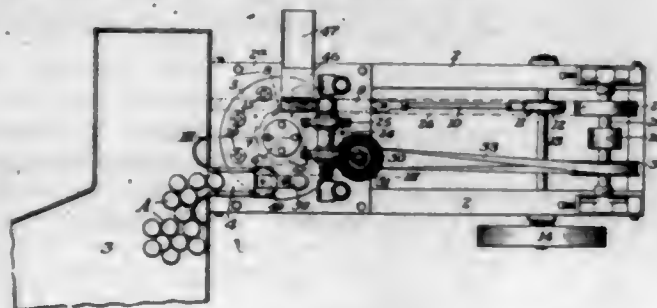
1. In a bed rail fastener, an angular end plate attachable to a bed rail and having a slot in one portion thereof spaced from the other angular portion, a member disposed in the slot having a hook on the outer side of the plate, and means connecting the hook and the plate

for operating the hook, said means comprising a lever having a cam operating surface and being pivotally connected to the hook and loosely pivoted in the plate.



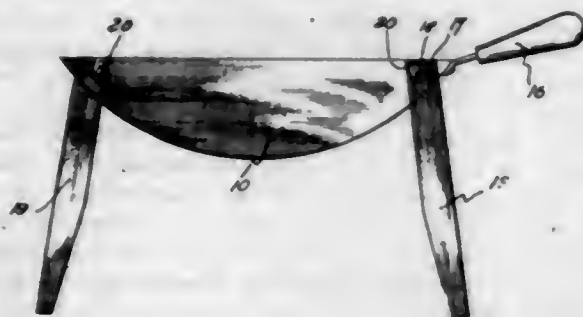
2. In a bed rail fastener, a slotted bearing plate, a hooked attaching member disposed and movable in the slot, and having means at one side of the member for engaging the plate at the end of the slot, and means connected to the plate and member for moving the member about said end of the slot as an axis.

1,518,971. SCRATCHING MACHINE. ALONZO L. EDWARDS, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed July 12, 1921. Serial No. 484,073. 23 Claims. (Cl. 51-108.)



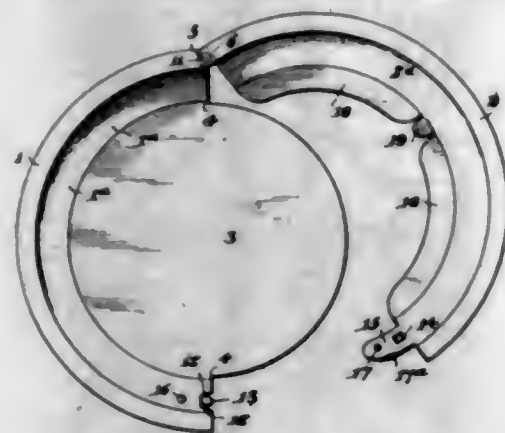
1. A scratching machine comprising a scratch brush, means for rotating the brush, an article holding chuck, a movable carrier arranged to bring the chuck with the article thereon to the action of said brush, a blow-off hood, and means for blowing the finished articles from the chuck into said hood, substantially as described.

1,518,972. COLANDER. CECILIE ECKERT, New York, N. Y. Filed Jan. 21, 1923. Serial No. 614,523. 1 Claim. (Cl. 210-155.)



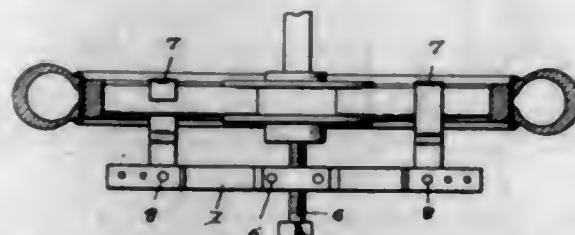
A colander comprising a hollow portable body having segmental sides, a handle fixed on the end of said body, means for holding the sides in fixed spaced relation, inward flanges on the curved edges of said sides, an open frame fixed between said sides and spaced from said flanges, said frame having a cross bar at its center, a foraminous sheet removably engaged between said frame and flanges, and pairs of legs pivoted to said body at each end thereof, said legs being positioned normally vertical and capable of folding horizontally outward.

1,518,973. PIE AND CAKE PAN. AUGUST OTTO EDWARDS, Huntington Beach, Calif. Filed Feb. 13, 1924. Serial No. 692,541. 3 Claims. (Cl. 53-0.)



1. A pan having its side formed in two sections, a bottom formed integral with one of said sections, a pair of aligned spaced inwardly extending flanges at the lower edge of the other section and adapted to engage the bottom at its underside to support the same, a resilient tongue between said spaced flanges adapted to frictionally engage said bottom at its top side, a hinge connection between the sections, and resilient fastening means carried by each section and engaging the adjacent section when the free ends of the two sections are brought together.

1,518,974. WHEEL PULLER. FOREST L. EGY, Oakland, Calif. Filed Aug. 11, 1923. Serial No. 656,863. 1 Claim. (Cl. 29-85.)



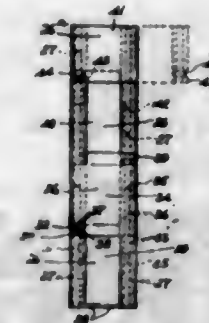
A wheel puller of the class described comprising a pair of strips placed together with their outer ends offset and their centers bent outwardly, a block placed in the central space, bolts connecting the block with the strips, said block having a threaded hole therein, a screw threaded axle engaging member passing through the hole, a pair of hook-shaped arms engaging the spaces at the ends of the strips and bolts for connecting the arms with the strips, the spaced ends of the arms having a plurality of holes therein for receiving the bolts so that the arms can be adjusted on the strips.

1,518,975. CRIMP PROTECTOR. AUGUST EHRLHARDT, San Benito, Tex. Filed Jan. 15, 1924. Serial No. 686,358. 1 Claim. (Cl. 42-15.)



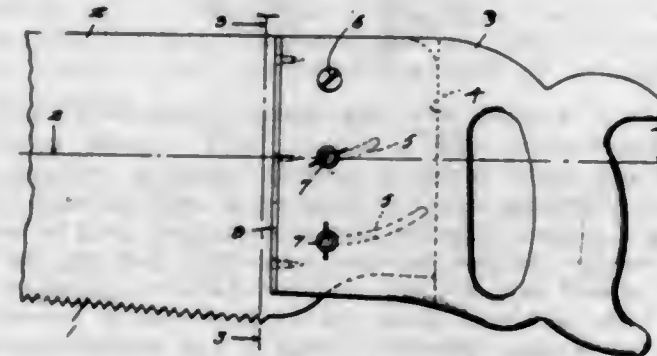
In a magazine gun, a spring pressed plunger arranged for operation within the magazine to force the shells therefrom, a disk-like element secured to one end of the plunger and having a diameter to permit said disk to enter the opening in the adjacent end of the shell and contact the wadding of said shell, said disk serving to prevent the plunger from contacting the crimp end of the shell for the purpose specified.

1,518,976. POST FOR LOOSE-LEAF BINDERS. ROBERT LYBERTWOOD ESSON, Johannesburg, Transvaal, South Africa. Filed Aug. 28, 1920. Serial No. 406,732. 2 Claims. (Cl. 129-13.)



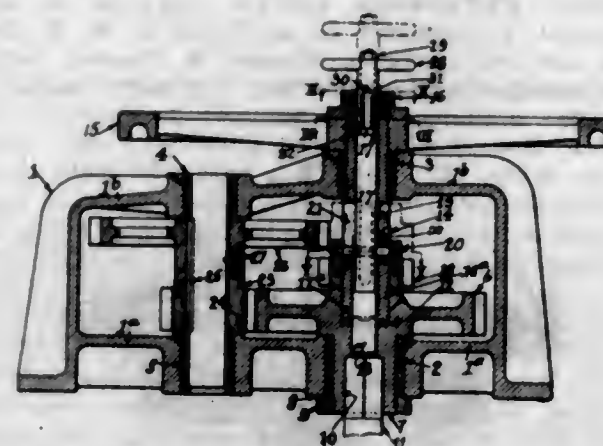
1. A rigid built-up post for loose leaf binders and the like, made up of separable sections each of which sections is of a greater dimension in one direction than in the other direction in transverse section, the sections being adapted to engage with each other, and means for retaining the sections in their engaging positions, as set forth.

1,518,977. COMBINED HANDSAW, BEVEL AND SQUARE. EDWIN C. FORREST, Yonkers, N. Y. Filed May 19, 1923. Serial No. 640,158. 2 Claims. (Cl. 7-13.)



2. A handsaw having a blade member provided with a straight back edge, a handle member for the blade member and pivoted thereto, said blade member having arcuate slots, fastening means passing through said handle member and through said slots, the forward edge of the handle being straight, the fastenings and arcuate slots enabling the said back edge and forward edge to be disposed at different angles to afford a bevel.

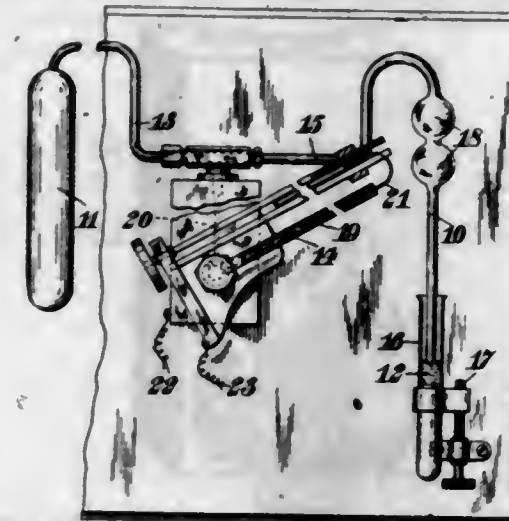
1,518,978. VALVE-OPERATING MECHANISM. BENJAMIN FOX, Fountain Hill, Pa. Filed Nov. 9, 1920. Serial No. 422,951. 6 Claims. (Cl. 74-58.)



1. The combination of a support, a gear wheel journaled therein, a hollow shaft mounted in said support with one end journaled in said gear wheel, a slidable member disposed in said hollow shaft and movable into locking engagement with said gear wheel, detachable means serving to hold the slidable member, hollow shaft and gear wheel in fixed relationship, a pinion carried

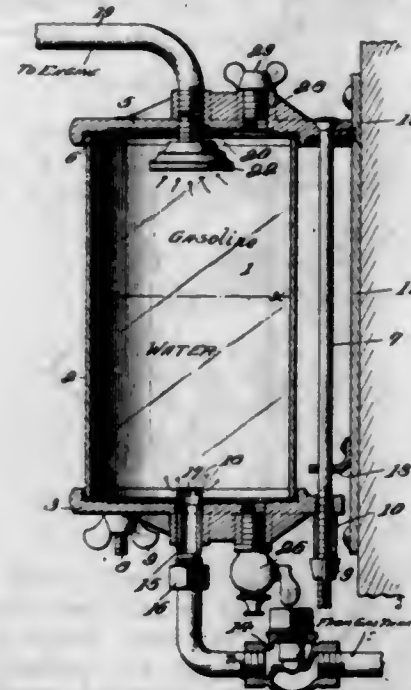
by the slidable member and longitudinally movable on the hollow shaft, a countershaft, a pinion carried by said countershaft and meshing with said gear wheel, a second gear wheel carried by the countershaft for operative engagement with the pinion carried by the slidable member when the latter is withdrawn from engagement with the first-named gear wheel, and means carried by the hollow shaft and serving to rotate the first named gear wheel directly or through the countershaft when the slidable member is withdrawn from engagement with the first-named gear wheel.

1,518,979. THERMOSTATIC CIRCUIT CLOSER. NATHAN HARRIS FREEMAN, Holborn, London, England. Filed Sept. 2, 1921. Serial No. 498,163. 11 Claims. (Cl. 200-141.)



1. A thermostatic circuit closer comprising a holder for fluid adapted to be placed in a chamber, the temperature of which is to be controlled, an electrical circuit-closing device comprising a movable column of electrically conducting material controlled by the pressure of the fluid in said holder, and an automatic pressure-operated valve distinct from said movable column and arranged to control communication between the interior of said holder and the exterior thereof.

1,518,980. HYDROCARBON WASHER FOR GAS ENGINES. DANIEL BRAILEY GISH, Washington, D. C. Filed May 28, 1920. Serial No. 385,027. 1 Claim. (Cl. 210-165.)



An apparatus for treating hydrocarbon as it passes from the supply tank to the cylinders of a gas engine including a glass cylinder, a top plate adapted to close the upper end of said cylinder, a bottom plate adapted

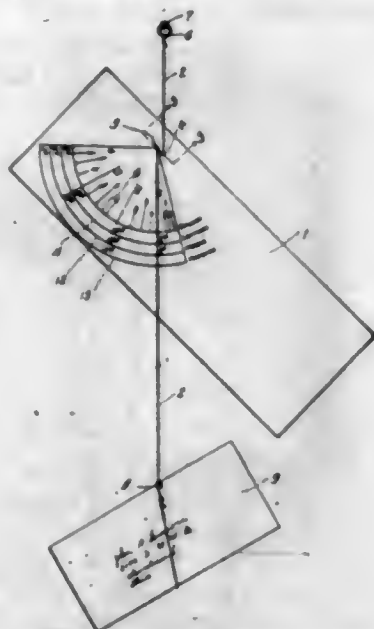
to close the lower end of said cylinder, a water well in said receptacle terminating at a distance below the top thereof, means for introducing the hydrocarbon into the receptacle through the bottom plate in a finely divided state whereby it is caused to bubble up through the water well and to be washed and charged with water vapor in suspension, a pipe connected with the receptacle above the water level for drawing off the gasoline and supplying the carburetor, and a perforated cap for said pipe for distributing the time of the drawing pull on the gasoline.

1,518,981. COMBINED BOX AND TOY. CLARENCE A. HAMMOND-KNOWLTON, Watertown, Conn., assignor to The H. K. H. Silk Company, Watertown, Conn., a Corporation of Connecticut. Filed Aug. 14, 1922. Serial No. 581,737. 2 Claims. (Cl. 46-40.)



1. A combined box and toy, comprising a box for holding articles of merchandise, and a cover having depending side and end members, said cover having thereon a pictorial representation of the goods in the box and a picture of a person on the representation of the goods, and provided with a line of cutting following the contour of a portion of the picture and the pictorial representation and extending to the edges of the cover and over the depending side members thereof, whereby when the cover is severed on the said line a part of the picture and pictorial representation of the goods will be cut out and one end of the cover fashioned as a vertical support for the representation.

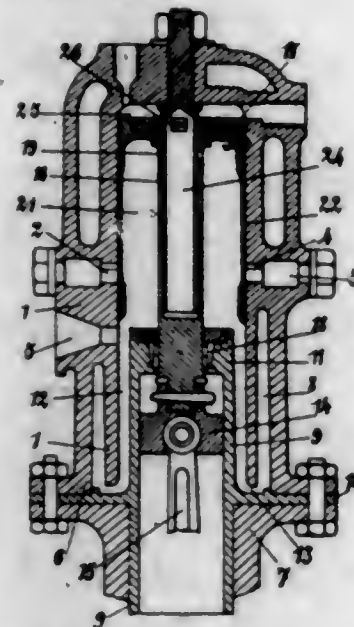
1,518,982. WEIGHING SCALE. ELMER HARROLD, Leontia, Ohio. Filed Dec. 11, 1922. Serial No. 606,125. 1 Claim. (Cl. 263-36.)



A device of the character described, comprising an oblong board having a scale thereon adjacent one end and having openings therein adjacent one longitudinal edge of the board, one of said openings being concentric with the scale, a cord projected through the openings

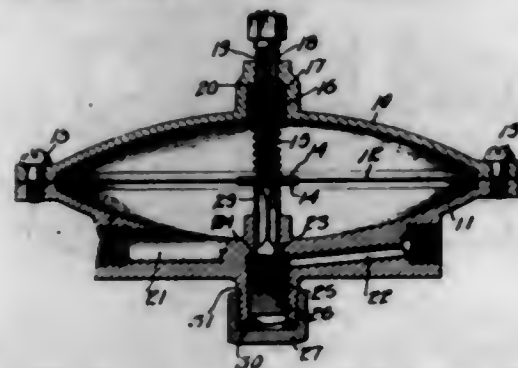
and having a knot therein back of the board between the openings, means on the upper end of the cord for attaching the same to a support, and means on the lower end of the cord for connecting the same to an article to be weighed.

1,518,983. TWO-STROKE-CYCLE VALVELESS INTERNAL-COMBUSTION ENGINE. JACQUES HYVERNAUD, Paris, France. Filed July 13, 1922. Serial No. 574,745. 4 Claims. (Cl. 123-65.)



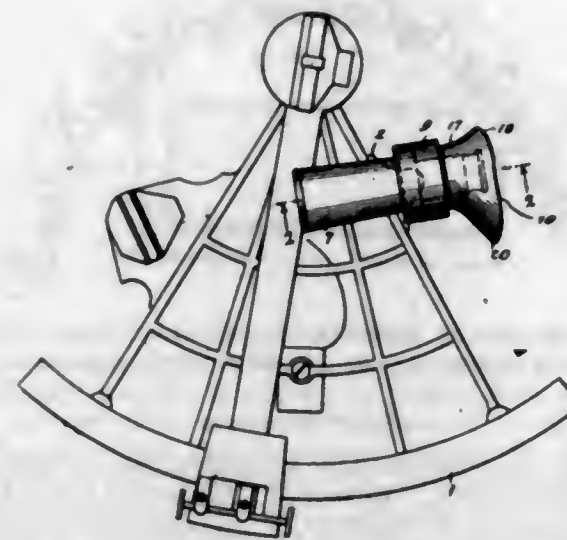
1. In a two-cycle valveless internal combustion engine, the combination with a support, of a cylinder having inlet and outlet ports, a suitably mounted, stationary sleeve extending into the chamber of said cylinder but being of a lesser diameter than said cylinder, thus leaving an annular chamber between said sleeve and the inner wall of said cylinder, said annular chamber communicating with said inlet ports, said cylinder being provided with an annular chamber outside of and communicating with said first-named annular chamber, a piston working in said cylinder past said ports and of suitable extent to uncover the inlet ports at the end of each compression stroke, and to uncover the outlet ports at the end of each power stroke, a tube carried by said piston and having ports communicating with said first-named annular chamber, a stationary tube telescoping into said first-named tube and having ports opening into the chamber of said cylinder, said ports in said stationary tube being so arranged as to be closed at the end of each compression stroke of said piston, so that explosions will occur in the chamber of said cylinder.

1,518,984. EXPANSION VALVE. EDWARD T. KIEN, Elmhurst, Ill., assignor of one-fourth to W. M. Hardwick and one-fourth to Emmett S. Newton, both of Chattanooga, Tenn. Filed Feb. 15, 1922. Serial No. 530,736. 9 Claims. (Cl. 50-23.)



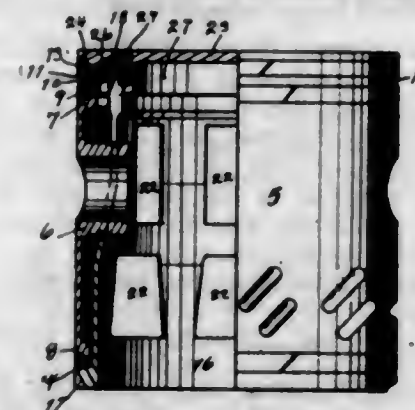
7. An expansion valve comprising a casing, a diaphragm in the casing, a passage for liquid into the casing, a valve in said passage having longitudinal grooves therein and a diffusing device surrounding said grooves, substantially as set forth.

1,518,985. SEXTANT REST. FELIX WALTER KRETSCHMER, Brooklyn, N. Y. Filed June 7, 1923. Serial No. 643,907. 4 Claims. (Cl. 88-1.)



1. The combination with a sextant provided with a telescope, of an eyepiece mounted to freely rotate without changing the focus of the telescopes, said eyepiece being formed with an edge adapted to engage the face when the telescope is held adjacent the eye whereby part of the weight of the instrument is carried by the face of the observer.

1,518,986. PISTON CONSTRUCTION. FREDERICK P. KRUSE, Vallejo, Calif., assignor of one-third to Howard W. Barr and one-third to Paul P. Noyes, Vallejo, Calif. Filed Feb. 9, 1923. Serial No. 618,119. 1 Claim. (Cl. 74-108.)

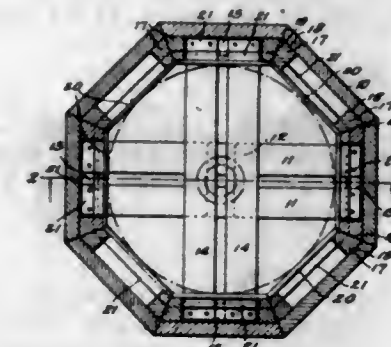


In a device of the character described, a piston having inclined flanges at its opposite ends, a wedge-shaped expansion ring contacting one of said flanges, a wedge-shaped expansion ring contacting the other of said flanges, a non-expanding wedge-shaped ring superimposed on said last mentioned expansion ring, a piston head having an inclined flange, an expansion ring interposed between said flange and said non-expanding ring, a cage having an outwardly extending inclined flange adapted to contact said first mentioned expansion ring, said cage extending through said piston and having screw threaded engagement with the said piston head and means for locking said piston head against rotation with respect to said cage.

1,518,987. CARBOY. CHARLES LEFKOWITZ, Newark, N. J. Filed Jan. 5, 1924. Serial No. 684,635. 11 Claims. (Cl. 217-54.)

1. In a carboy a body, a plurality of panels in the body, each panel having two shoulder members one at

each side, each shoulder member having an outer side forming with its outer face an acute angle, each shoulder



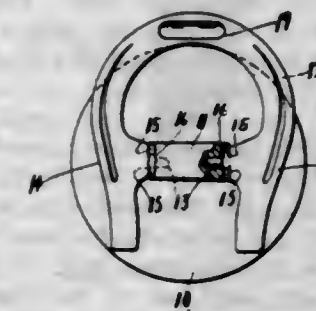
der member at each outer side engaging the outer side of a shoulder member on an adjacent panel to prevent the inward movement of the panels.

1,518,988. ROOFING MATERIAL. THOMAS B. LEHON, Chicago, Ill., assignor to The Lehon Company, Chicago, Ill., a Corporation of Illinois. Filed May 8, 1922. Serial No. 559,327. 1 Claim. (Cl. 91-68.)



A roofing member comprising a base having a coating of plastic material thereon, in which said coating is a series of corrugations comprising ridges separated by narrow and comparatively deep valleys, said corrugations being covered with granular material that is substantially uniformly embedded in and conceals from view the said coating of plastic material.

1,518,989. COLLAR BUTTON. WALTER L. LINDSAT, Brooklyn, N. Y. Filed July 7, 1923. Serial No. 650,072. 1 Claim. (Cl. 24-97.)



A collar button having a shank having axially aligned holes therein and grooves radiating from each of said holes, a U-shaped head having pivot studs between the bight portion and the ends thereof which are axially aligned and disposed in said holes by virtue of the flexibility of the portions of the head on which the pivot studs are arranged, the said portions of the head respectively being movable into and out of said grooves to temporarily hold said head disposed trans-

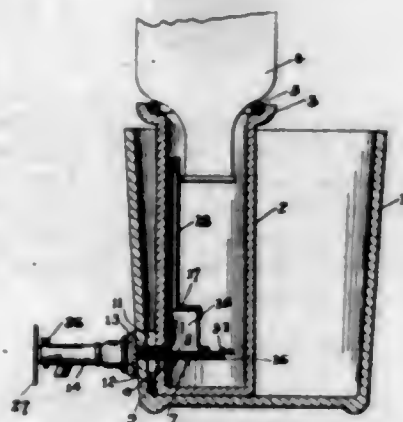
versely of the shank as its buttoning position, a portion of said head extending on opposite sides of the axis of the pivot studs and in parallelism and coincident with the longitudinal axis of the shank as its non-buttoning position.

1,518,990. FLUSH TANK. LOUIS LISSON, Syracuse, N. Y., assignor of one-half to Irving J. Berman, Syracuse, N. Y. Filed Apr. 12, 1924. Serial No. 706,061. 8 Claims. (Cl. 4-26.)



1. A flushing apparatus comprising a main reservoir and a depending hollow portion connected by a throat, the depending portion having an inlet and an outlet opening in its bottom, a hollow cylinder formed within the depending portion, having an open end positioned between said inlet and said outlet openings, a valve seat partially closing said open end, a valve in said cylinder for controlling the discharge of the flushing medium through the outlet, means for manually opening the valve, and tension means for closing the valve.

1,518,991. MEASURING DEVICE. HENRY G. CORDLEY, Glen Ridge, N. J., and GEORGE R. LONG, Waterbury, Conn. Filed Dec. 11, 1922. Serial No. 606,188. 6 Claims. (Cl. 225-40.)



1. In a measuring device for liquid dispensing apparatus comprising a liquid container and a reciprocating plug faucet for drawing off liquid therefrom, a draw off tube connected at its outer end with the faucet and having its open inner end within the liquid container, a measuring cup within the container carried by the draw off tube and in communication therewith, and a valve freely movable within the draw off tube and adapted to close said draw off tube when drawn into its end, means connected with the reciprocating plug of the faucet for moving the valve into and out of the inner end of the draw off tube comprising a rod supported at its rear end by the valve.

1,518,992. RESILIENT TIRE. LOUIS F. LOYD, Oelwein, Iowa. Filed May 18, 1923. Serial No. 639,891. 4 Claims. (Cl. 152-8.)

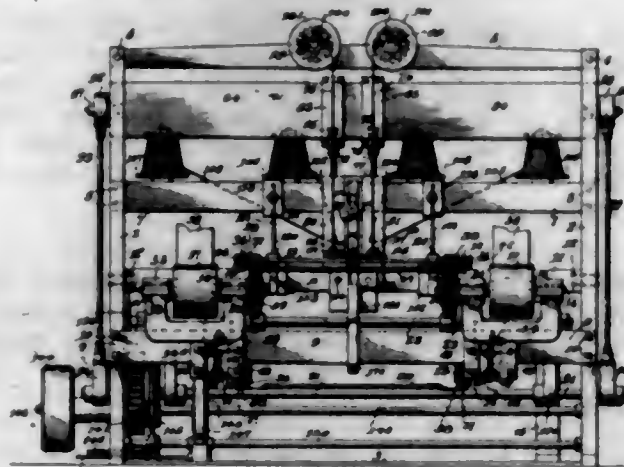
3. A resilient tire comprising a rim, a plurality of tread members, bolts connecting said tread members and rim, said bolts slidable relative to the rim to per-

mit movement of the tread members radially of the rim, springs coiled about said bolts for yieldably supporting said tread members relative to the rim, and substantially



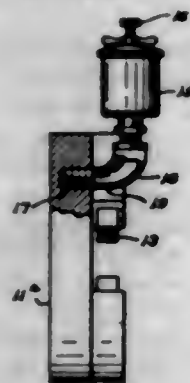
inverted V shaped members carried by the rim and extending outwardly therefrom between the adjacent tread members.

1,518,993. BARREL-STAVE ASSEMBLING AND FORMING MACHINE. ROBERT J. MCLENNY, St. Louis, Mo., assignor to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Filed Dec. 3, 1923. Serial No. 678,363. 5 Claims. (Cl. 147-1.)



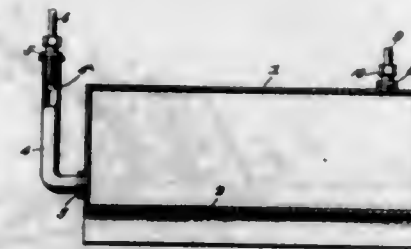
1. In a barrel stave assembling and forming machine, a mechanism for positioning, feeding and attaching flexible connecting elements to staves in sets for the subsequent formation of collapsible barrels, means for shortening the length of and for bevelling and chamfering the terminal portions of the inner faces of the staves prior to the connecting together of the staves in sets, and a conveyor mechanism common to said means and the first mentioned mechanism for feeding the staves in sets thereto.

1,518,994. STOCK AND DIE OILER. ANTHONY P. MCCORMICK, Eagleville, Pa. Filed Nov. 25, 1922. Serial No. 603,356. 1 Claim. (Cl. 10-126.)



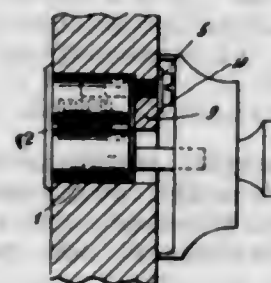
The combination with a stock die provided with a threaded recess of a pipe elbow threaded into said recess, so as to form a closure for one end of the elbow, a lubricating cup carried by the elbow at the end remote from the die engaging end, said elbow provided with a relatively small outlet opening in its under surface outwardly of the portion thereof which is seated in said recess.

1,518,995. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. CLYDE J. MCNERNY, Fort Madison, Iowa. Filed July 30, 1921. Serial No. 488,027. 3 Claims. (Cl. 123-25.)



1. A steam generator attachment for internal combustion engines comprising a substantially rectangular casing having a bottom arcuate in cross section to snugly fit a portion of the exhaust manifold of an engine, an obliquely disposed drain aperture opening through one side wall of said casing near the lower end thereof, an L-shaped coupling detachably mounted at one end of said casing in proximity to its bottom and provided with an air inlet opening at the upper portion thereof, a union mounted in the upper end of and extending into the coupling and terminating above said opening, a water supply pipe connected to said union, the top of said casing having a steam discharge outlet near the other end thereof, and a nipple mounted in said opening and adapted to be connected with a conduit for conveying steam to the point where it is to be used.

1,518,996. LOCK. ROLAND MOORE MAUNDER, Palmerston North, New Zealand. Filed July 11, 1922. Serial No. 574,131. 4 Claims. (Cl. 70-46.)



1. In a cylinder lock comprising in combination a flange adapted to lie against the outer face of the door, a main cylinder plug-containing barrel, an additional tumbler pin containing barrel lying parallel with and of a different length than that of said main barrel, said barrels projecting from one face of said flange, a web joining said barrels where their circumferences are nearest one another, and fastening means extending through the inner face of the door and connected to said additional tumbler pin containing barrel whereby said barrel will be retained in said door against rotation.

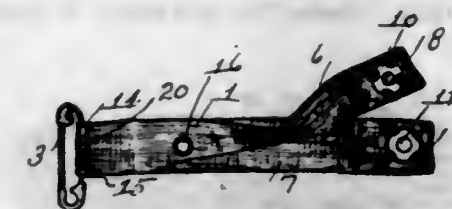
1,518,997. LIGHT-SENSITIVE COMPOSITION. GEORGE WELLINGTON MILES, Sandwich, Mass., assignor to American Cellulose and Chemical Manufacturing Company, Ltd., New York, N. Y., a Corporation of Delaware. Filed Feb. 19, 1921. Serial No. 446,506. 9 Claims. (Cl. 95-7.)

1. A light-sensitive composition characterized by a distributed content of an oxygen compound of vanadium.

1,518,998. GARMENT ACCESSORY. JEANNE MILLER, Muskegon, Mich. Filed Nov. 23, 1923. Serial No. 676,506. 2 Claims. (Cl. 24-73.)

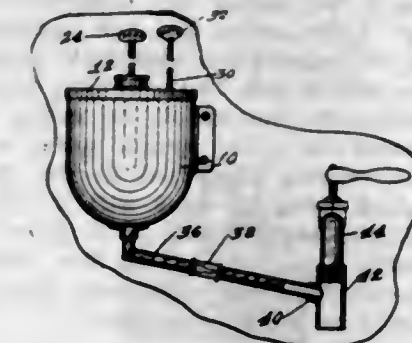
1. In a device of the character described: a flat member having adjacent one end a safety pin for detachably

connecting said member with an outer garment, the opposite end portion of said member comprising branches



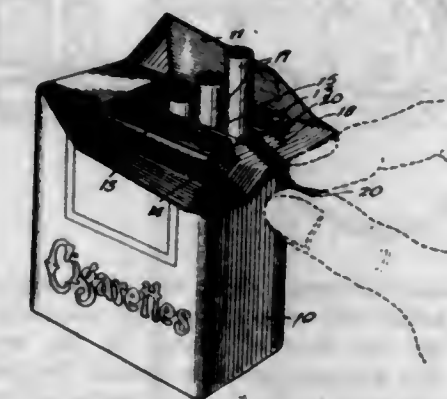
adapted to hold between them the shoulder strap of an inner garment; means for detachably connecting said branches adjacent their free ends.

1,518,999. SOAP AND SUDS CONTAINER. JOHN J. MILLER, Chicago, Ill. Filed Aug. 1, 1922. Serial No. 578,973. 1 Claim. (Cl. 299-84.)



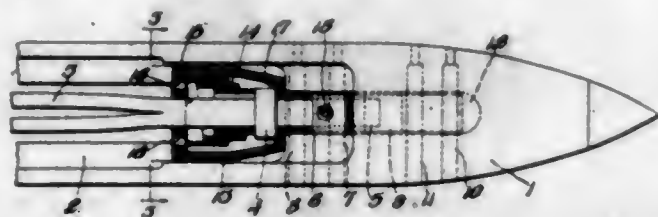
A soap attachment for faucets comprising a liquid container, a tubular member extending from the bottom of the container provided with a control valve and terminating in connection with the leg of a T connection adapted to be secured to the faucet outlet by one end of the head, and means within the container for holding soap in submerged relation to and in contact with the liquid.

1,519,000. CIGARETTE-PACKAGE FILLER. EDITH G. MOORE and MARGERY P. WOOD, New York, N. Y. Filed Apr. 10, 1923. Serial No. 631,135. 3 Claims. (Cl. 206-56.)



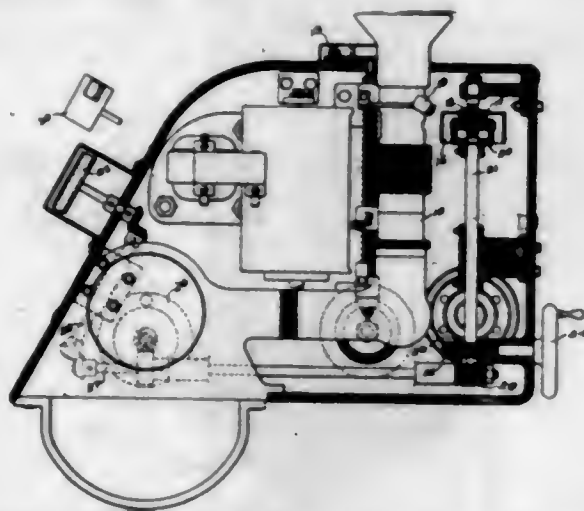
1. The combination with a cigarette package, of a filler therefor comprising a strip of relatively stiff material bent medial to provide an end wall, a pair of parallel side walls, each of said side walls having an inwardly bent portion at its free end to provide aligned opposite end walls and further bent from the free inner ends of the end walls to provide spaced parallel intermediate side walls, the free ends of which contact with the inner side of said first mentioned end wall, whereby said filler together with the package in which it is arranged defines a plurality of laterally spaced longitudinally extending compartments each adapted for the reception of a single longitudinal row or file of cigarettes.

1,519,001. SHUTTLE. CHARLES H. MORRIS, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Feb. 24, 1923. Serial No. 621,034. 2 Claims. (Cl. 139-208.)



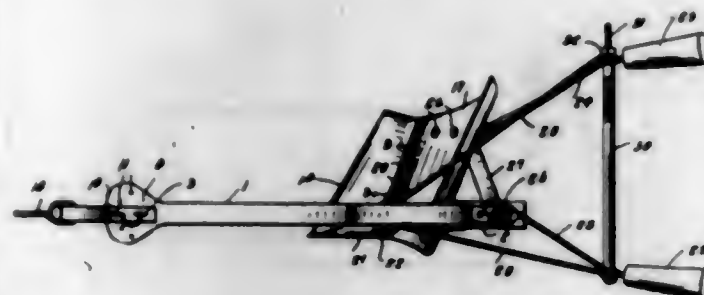
1. A shuttle having, in combination, a body provided with a bobbin recess, a spindle block provided with pivot pin and spindle holes, a pivot for the spindle block supported in the shuttle body, a transverse stop pin supported in the shuttle body and adapted to engage the side of the spindle block to limit its movement, the spindle block being also provided with a spindle cup, a flat coil spring in the spring cup, a spring follower closing the mouth of the spring cup and engaging the base of the spring, the spindle provided with a spindle pin received in the spindle hole in the spindle block and with a flange engaging the bottom of the spring cup on one side and the small end of the spindle spring on the other, a spindle block spring supported in the shuttle body, said spindle block being provided with a cam surface to engage the spindle block spring at a point such as to cause the spindle block to tend to turn toward and to engage and press upon the transverse stop pin as the spindle is turned to weaving position.

1,519,002. BOMB-DROPPING SIGHT. ROBERT V. MONSE, Ithaca, N. Y. Filed May 2, 1921. Serial No. 466,298. 11 Claims. (Cl. 33-46.)



1. In a bomb dropping sight, the combination of a telescope thru which the ground may be observed, means for indicating in the field of vision of the telescope the amount of the ground speed, a second indicating means arranged to be read in the field of vision of the telescope, means for adjusting the second indicating means according to the reading of the first mentioned indicating means, a second telescope, means for indicating in the field of vision of the second telescope the desired angle for the bomb sight setting, said last mentioned means being mechanically connected with the second indicating means of the first mentioned telescope, means for adjusting the line of sight of the second telescope to various angles of bomb sight setting, and a further indicating means arranged to be read in the field of vision of the second telescope and mechanically connected to the last mentioned adjusting means, whereby the line of sight of the second telescope may be adjusted to accord with the desired angle of setting as indicated in the field of vision of said second telescope.

1,519,003. PLOW. TONY MOSHAK, Mishawaka, Ind. Filed Apr. 12, 1923. Serial No. 631,602. 2 Claims. (Cl. 97-113.)

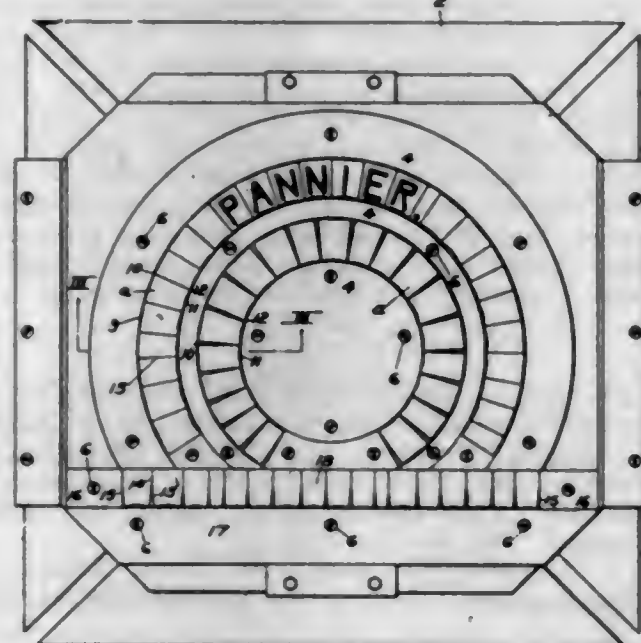


1. In a plow, a beam, a runner bar secured to said beam, a plow point consisting of a metallic plate having a forward diagonal edge and an upturned lip on its land-side edge intermediate its length, said point overlapping and secured to the runner bar, and a mold board having a lower edge portion resting on and secured to the point plate, said mold board being provided with a notch at its lower land side corner in which the rear end of the said lip engages, said point plate further having a notch in its rear edge fitting around the lower end of said beam.

1,519,004. METHOD OF PRODUCING PRINTING PLATES. PHILIPP MÜLLER, Steglitz, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 497,077. 3 Claims. (Cl. 95-5.6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)

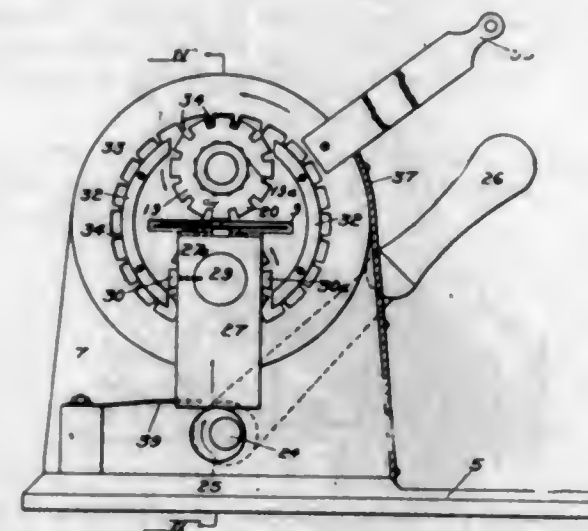
1. In the art of producing photomechanical printing plates made of metal with a collodion layer sensitive to light, those steps which consist in treating the exposed plate with an oily ink held in a solution of a chloride of an alkaline earth metal, said solution also containing a solution of a resin in a volatile solvent which is allowed to evaporate.

1,519,005. EMBOSSEING MECHANISM. WILLIAM J. PANNIER, JR., Pittsburgh, Pa., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 16, 1923. Serial No. 625,629. 13 Claims. (Cl. 101-28.)



1. In embossing mechanism, the combination with a holding base and securing means thereon, stamping type members having corner portions only engaging the securing means.

1,519,006. STAMPING MACHINE. OSCAR M. PANNIER, Ben Avon Heights, Pa., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1923. Serial No. 682,193. 9 Claims. (Cl. 101-18.)



1. A marking machine comprising a support, an internal gear wheel rotatably supported therein, operating means therefor, and a type wheel within the gear wheel and having teeth thereon meshing with the internal teeth of the gear wheel, and a table on which articles to be marked are placed, which table passes transversely through the gear wheel and in juxtaposition to the type wheel.

1,519,007. WELDING BY THE ELECTRIC ARC. JOHN HAMILTON PATERSON, Westminster, London, England, assignor to The Premier Electric Welding Company, Limited, London, England, a British Company. Filed Nov. 27, 1922. Serial No. 602,716. 8 Claims. (Cl. 219-8.)

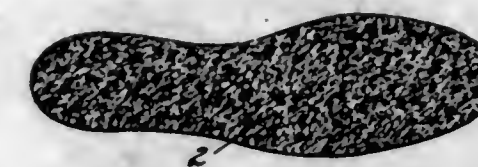
1. An electrode for welding iron or steel by the electric arc, comprising a metal rod and a coating comprising a large proportion of the carbonate of a heavy metal the oxides of which are readily fusible, and a carbonaceous reducing material.

1,519,008. SELVAGE-LOOP RETAINER. JOSEPH H. PURSER, Los Angeles, Calif., assignor of one-half to Lindsay S. Hall, Los Angeles, Calif. Filed May 15, 1923. Serial No. 639,061. 8 Claims. (Cl. 139-195.)



3. In a loom having a shuttle, a loop retainer comprising a finger mounted to be advanced to and to be retracted from the warp at the side thereof, said finger being mounted to have a lateral movement, means tending to hold said finger laterally away from said warp, means to advance said finger to a position back of the filling so that the return of said shuttle will loop said filling about said finger and to withdraw said finger at the end of the return travel of said shuttle.

1,519,009. REMOVABLE INSOLE FOR SHOES. JOSEPH J. REINA, New York, N. Y., assignor of one-half to Raymond F. Welch, New York, N. Y. Filed Jan. 13, 1923. Serial No. 612,430. 1 Claim. (Cl. 36-43.)



A removable insole for shoes, comprising a main body of sponge rubber of substantial thickness having large pores throughout its surface, a filler material filling the pores in one surface of said body said filler material itself forming a smooth tread surface.

1,519,010. METHOD OF MAKING GAS BURNERS. GEORGE FOSTER REZNOR, Mercer, Pa. Filed May 2, 1923. Serial No. 636,113. 1 Claim. (Cl. 129-157.)



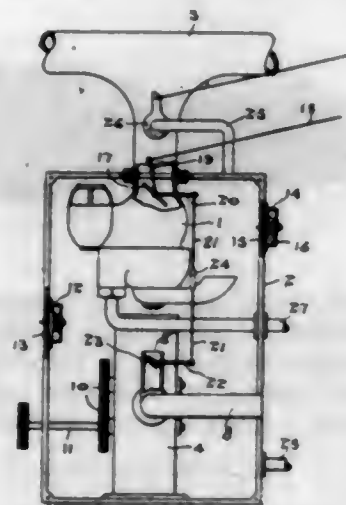
The method of making burners which consists in telescoping a perforated metal tube over an internal mandrel having a wedge and then driving tapered metal burner-tips lengthwise in the perforations and on the wedge so as to split and upset the inner ends of the tips, thereby expanding the tips laterally at the inner ends of the perforations.

1,519,011. RADIATOR SHIELD. OTTO SCHWARTZ, Detroit, Mich. Filed Oct. 2, 1922. Serial No. 591,813. 2 Claims. (Cl. 237-79.)



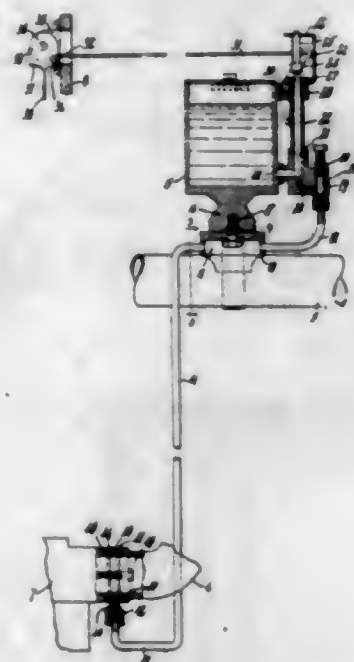
2. A radiator shield embodying a back, a top and side plates, and means to attach the shield to a radiator comprising inwardly extending members attached to the side plates and U-bolts engaging portions of the radiator and passing through said inwardly extending members.

1,519,012. CARBURATION CONTROL FOR INTERNAL-COMBUSTION ENGINES. WILLIAM E. SHORE, New York, N. Y. Filed May 9, 1919. Serial No. 295,993. 1 Claim. (Cl. 123-119.)



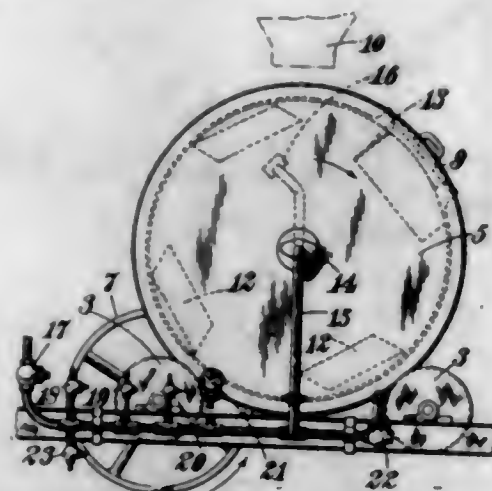
In a carburation control, a carburetor arranged within a closed chamber, an air pump having its discharge connected with said closed chamber, a throttle controlling the carburetor, a throttle controlling the discharge from the air pump, and means for simultaneously operating said throttles to regulate the flow of air to the chamber and maintain a constant pressure.

1,519,013. VAPORIZING DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES SIPULA, Billerica, Mass. Filed Sept. 26, 1922. Serial No. 590,746. 1 Claim. (Cl. 123-25.)



A vaporizing device adapted to be attached to the manifold or outlet of an internal combustion engine and comprising an open receptacle without cover adapted to be placed bottom upward on said manifold, the oppositely disposed walls of said receptacle being provided with recesses, the engine exhaust pipe resting loosely in said recesses whereby air may enter therearound into said receptacle, a container for water, a water feed pipe connecting said container to said receptacle, a valve located in said water feed pipe adapted to regulate the amount of water fed from said container to said receptacle, a stationary member located at a substantial distance from said valve, means located on said stationary member adapted to operate said valve to open and close the same and to hold it in locked position and means to convey vapor out of said receptacle for use in the engine.

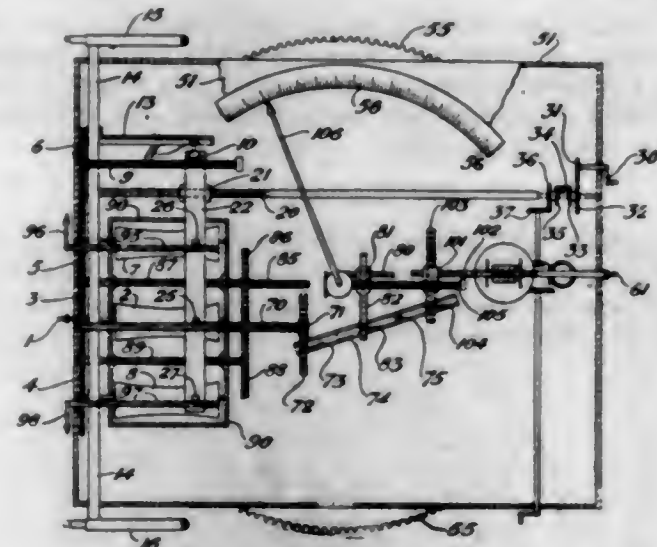
1,519,014. IMPROVER FOR FLOUR FOR BAKING BREAD AND METHOD OF MAKING. WILLIAM WATSON and DOUGLAS WILLIAM KENT-JONES, Dover, England, assignors to Woodlands Limited, Dover, Kent, England, a British Company. Filed Aug. 25, 1921. Serial No. 495,293. 7 Claims. (Cl. 99-10.)



1. A process for the production of a halogen-carrying improver for admixture with flour, consisting in subjecting a starchy substance to the action of halogen until it combines with a quantity of halogen insufficient to render the improver sticky or gummy but not less than half of one per cent by weight of the improver.

5. A chlorine-carrying improver prepared as a powder for admixture with flour, comprising a flour chemically combined with a quantity of chlorine insufficient to render the powder sticky or gummy but equivalent to more than half of one per cent by weight of the improver.

1,519,015. ANTI-AIRCRAFT FIRE-CONTROL APPARATUS. ARCHIBALD BARR and WILLIAM STROUD, Anniesland, Glasgow, Scotland, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Filed Dec. 26, 1922. Serial No. 609,028. 4 Claims. (Cl. 235-61.)



1. Apparatus comprising (1) sighting apparatus, (2) an element to be set in accordance with the known height of the target at the instant of observation operating to control the angle of sight of the sighting apparatus; (3) a variable speed drive controlling the position of (2) to keep the sighting apparatus directed on the target for angle of sight and give the value of the horizontal range and v (velocity of approach along the horizontal range and in the vertical plane containing target and observer on a selected scale); (4) a device having one variable capable of being set according to the height of the target, and a second variable capable of being set by (3) according to the horizontal range of the target, the device being so constructed as to produce motion according to T (time of flight); (5) means for multiplying the speed given by (3) by T so as to give

the product of $v T$; (6) means for setting (4) by an amount $v T$ given by (5), associated with mechanism for giving the quadrant or tangent elevation and the fuse number, this mechanism being movable, in accordance with the height of the target and movable with the device (4) in accordance with the horizontal range of the target; (7) a variable speed drive controlling the azimuthal position of the sighting apparatus thereby giving ω (angular velocity); and (8) means for multiplying ω by T given by (4) so as to give or exhibit the product ωT .

1,519,016. SKULLCAP. SAMUEL BELLITZ, Camden, N. J. Filed July 12, 1924. Serial No. 725,099. 1 Claim. (Cl. 132-49.)

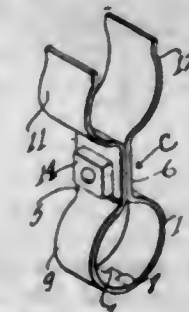


A skull cap for the purpose set forth, comprising a frame constituting a non-yieldable band which is centrally folded upon itself, an arched non-yieldable top strip having its ends secured to the inner folds of the band, a mesh body comprising the top of the cap arranged under the top strip, stitched thereto and having its edges disposed between the folds of the band and stitched therebetween, elastic strap members stitched between the folds of the band at the sides thereof, adjustable means connecting the ends of the strap members, and said straps designed to be arranged around the rear of the cap to engage with the head of the wearer for holding the cap thereon.

1,519,017. NITROCHLOR DERIVATIVES OF OPEN-CHAIN HYDROCARBONS AND PROCESS OF MAKING SAME. ELIAS BIELOUSS, Washington, D. C., assignor to Henry A. Gardner, Washington, D. C. Filed July 30, 1921. Serial No. 488,697. 1 Claim. (Cl. 260-144.)

Process of making nitro-chlor derivatives of open-chain hydrocarbons comprising subjecting a paraffin type mineral oil distillate of a specific gravity of not less than 0.882 successively to chlorination and nitration.

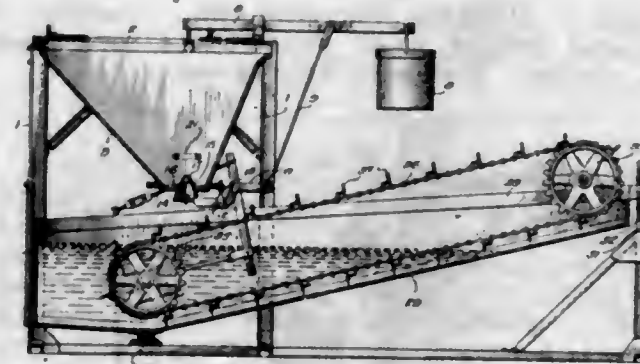
1,519,018. HOSE-WINDER CLAMP. ADLOR BOUDREAU, Oakland, Calif. Filed Dec. 1, 1923. Serial No. 678,041. 1 Claim. (Cl. 24-73.)



A clamp of the character described comprising two connected body members terminating respectively in curved extremities, spring fingers, one of said curved extremities being formed with a lug, the other of said curved extremities being formed with a recess to receive said lug, said extremities forming a ring for encircling a portion of the hose and the fingers being adapted to receive and retain the nozzle of the hose.

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1,519,019. SEPARATOR AND CLASSIFIER. SAMUEL H. BOYLAN, Joplin, Mo., assignor to The Ore Reclamation Company, Baxter Springs, Kans., a Corporation of Kansas. Filed Dec. 1, 1923. Serial No. 678,070. 4 Claims. (Cl. 83-82.)



1. In an ore classifier, a frame, an inverted frusto-conical shaped receptacle pivotally connected at its top to one end of said frame, a lever pivoted on said frame and connected to said receptacle at a point remote from the pivot of the receptacle, a counter weight carried by said lever, a valve arranged in the bottom of said receptacle, connections between said valve and said lever, means for delivering water to said receptacle, and means controlled by the position of said receptacle to regulate the flow of water through said delivering means.

1,519,020. STUB EXTRACTOR FOR CIGARETTE HOLDERS. RAYMOND A. CROSBY, Holyoke, Colo. Filed Aug. 8, 1922. Serial No. 580,462. 3 Claims. (Cl. 131-10.)



2. A device of the character described comprising a tubular resilient member to fit in the socket of a cigarette holder, and split longitudinally from end to end so that said member can be contracted when inserted in said socket, the ends of said member being arranged obliquely so as to form fingers tapering to the split portion of said member, the outer oblique end of said member facilitating the insertion of a cigarette into the holder as illustrated and described.

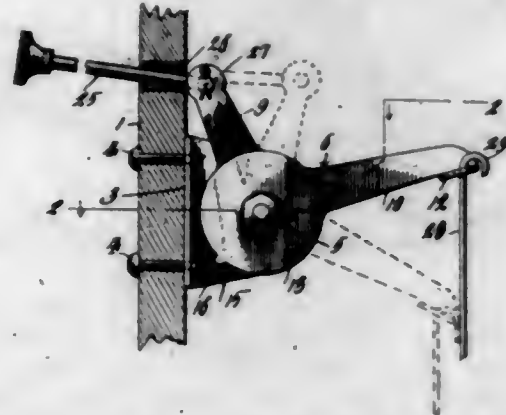
1,519,021. VANITY CASE. CORNELIUS HENRY DE BERNARDI, West Hoboken, N. J. Filed Dec. 6, 1923. Serial No. 679,038. 3 Claims. (Cl. 132-83.)



3. A vanity case, comprising a container, a lid for the container, means for dividing the container into a shallow chamber and a deep chamber, means for dividing the shallow chamber into a plurality of article receiving

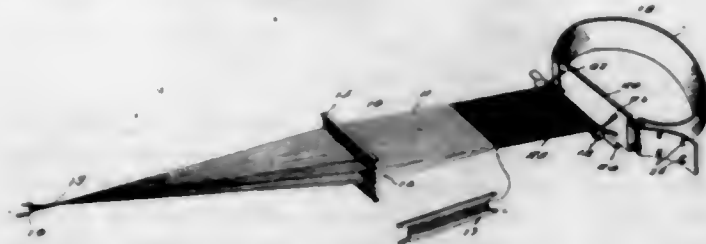
compartments, and a drawer mounted in the container beneath the shallow chamber, said drawer engaging the interior surface of the side wall of said container and being guided thereby.

1,519,022. CHOKER CONTROLLER. ARTHUR H. DEISHER, Midland, Mich. Filed Feb. 14, 1924. Serial No. 692,775. 2 Claims. (Cl. 74-39.)



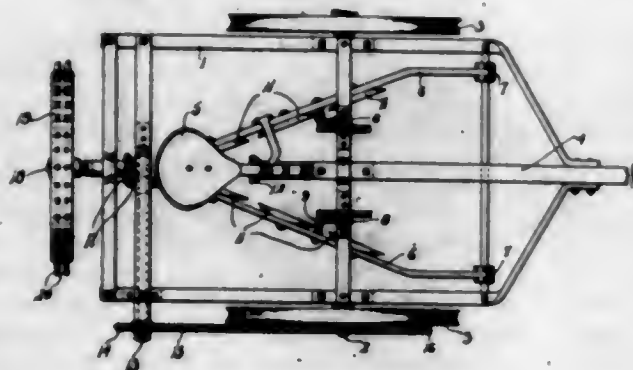
1. In combination, a bracket provided with a pair of apertures, a bolt passing through one of the apertures, a rocker element pivoted on the bolt, a washer on the bolt, said washer provided with an extension piercing the other aperture of the bracket for preventing rotation of the washer, a spring on the bolt impinging against the washer and holding it in frictional engagement with the rocker element, and means on the bolt for tensioning said spring.

1,519,023. LOOM. ELNA M. DE NEERGAARD, New York, N. Y. Filed Sept. 24, 1923. Serial No. 664,556. 5 Claims. (Cl. 139-33.)



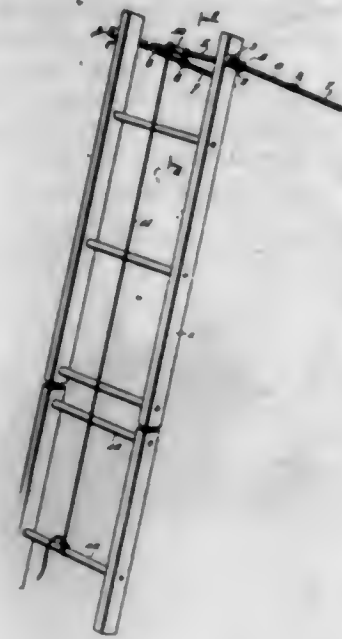
1. In a device of the class described, the combination with the warp threads of a loom, means for securing one end of said warp threads to a support, a warp beam for securing the other ends of said warp threads, a belt adapted to be passed around the waist of a person, and means for removably supporting said warp beam from said belt for permitting the woven fabric to be wound thereon.

1,519,024. STUBBLE PULLER. ADOLPH G. ERDMAN, Willow City, N. Dak. Filed Sept. 22, 1923. Serial No. 664,299. 4 Claims. (Cl. 97-38.)



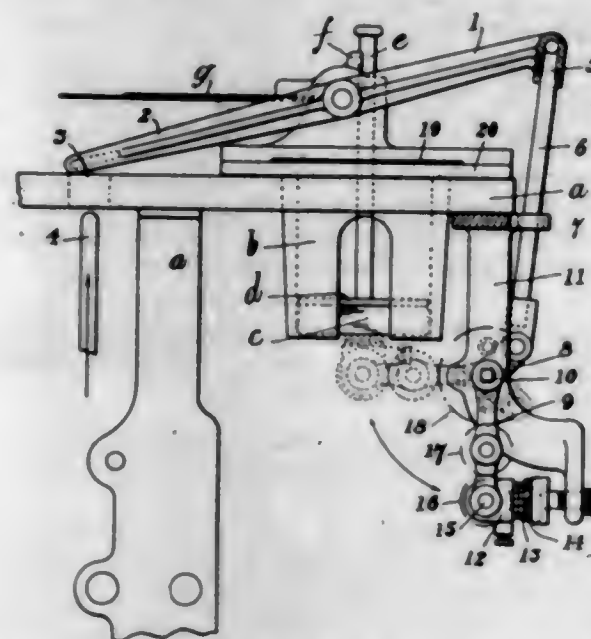
1. An implement of the class described comprising a wheeled frame, discs thereon for removing the stubble from the ground and placing it in a windrow, and means for scattering the material in the windrow over the land.

1,519,025. LADDER ATTACHMENT. ARTHUR MOSES FAIRFIELD, St. Marys, Kans. Filed June 17, 1924. Serial No. 720,704. 1 Claim. (Cl. 228-80.)



A ladder attachment comprising a pair of brackets adapted to be fixed to the sides of a ladder at a point adjacent their upper ends, said brackets projecting beyond the edges of the ladder and having bearings therein, a shaft mounted in the bearings, arms fixed to the ends of the shaft and located at an angle thereto, a crank arm fixed to the shaft between the side members of the ladder, and a flexible operating device connected to the crank arm and adapted to be secured to a rung of the ladder to hold the arms in any position of adjustment relative to the ladder.

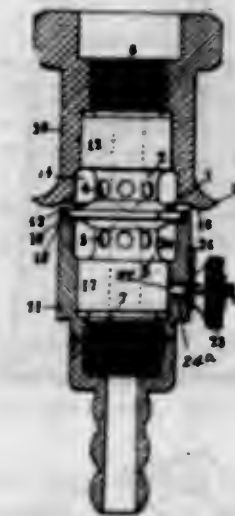
1,519,026. MACHINE FOR APPLYING PRINTED LABELS TO BOTTLES. ARTHUR LESLIE FLOWER, Wakefield, England. Filed Apr. 22, 1924. Serial No. 708,221. 1 Claim. (Cl. 216-2.)



In a bottle labelling machine, a label carrier open at the lower end, a cover for said label carrier, a lever pivotally supported on said cover and having an operative end arranged beyond the holder, an inking pad arranged below and spaced from the holder, a stamp to cooperate with said pad, a bell crank lever pivotally supported between the pad and holder, one end of said lever carrying the stamp, means on the lever and frame of the machine to turn the stamp into opposed relatively right angle positions in the movement from the pad to the holder, and a rod connected to said bell crank lever and

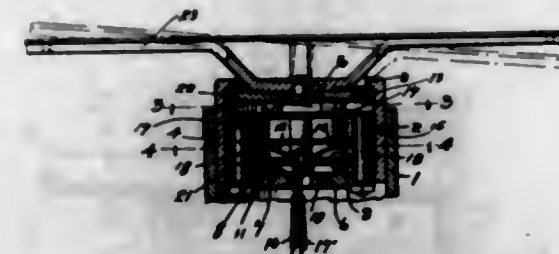
having separable connection with the first mentioned lever, whereby the cover of the holder and the first mentioned lever may be readily turned from holder covering position without interfering with the normal relation of the stamp and parts connected therewith.

1,519,027. APPARATUS FOR TRANSFORMING LIQUIDS INTO A MIST. ENRICO GARDA, Paris, France. Filed Feb. 24, 1923. Serial No. 621,104. 3 Claims. (Cl. 299-140.)



1. An apparatus for transforming liquids into a mist, comprising: a central core,—a cylindrical enlargement on the said core, means for bringing a fluid under pressure above the enlargement,—means for bringing the liquid to be pulverized below the enlargement,—an upper tubular body mounted on the central core,—a chamber at the lower part of this tubular body,—a crown at the base of the said tubular body and resting on the upper face of the enlargement,—notches in the said crown for permitting the issue of the compressed fluid all round the upper tubular body,—a lower tubular body mounted on the lower part of the central core,—a chamber at the upper part of this tubular body,—a circular groove formed in the upper edge of the said tubular body for receiving with a certain play the cylindrical enlargement of the central core and forming a passage for the flow of the liquid to be pulverized,—means for adjusting the cross section of this passage.

1,519,028. SWITCH. ARTHUR C. GRABER, Renton, Wash. Filed Dec. 26, 1923. Serial No. 682,779. 3 Claims. (Cl. 200-59.)



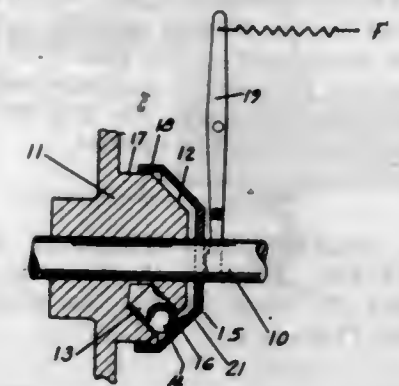
1. A switch comprising a cylindrical cage having an internal flange at one end, a switch mechanism adapted to be introduced from the other end having a plurality of interconnected stationary contact members grouped around the axis of the cage and an equal plurality of interconnected movable contact members grouped correspondingly, a plurality of sliding members adapted to force the movable contact members upon the stationary contact members extending outside of the mechanism and an element interposed between the mechanism and the flange of the cage with limited freedom of tilting motion adapted to force two registering contacts into engagement when any marginal portion of the element is depressed.

1,519,029. PROCESS FOR RENOVATING WORN FLANGED WHEELS. ALBERT GOLLWITZER, Nuremberg, Germany. Filed Mar. 13, 1924. Serial No. 699,126. 1 Claim. (Cl. 29-168.)



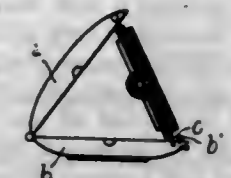
A process for restoring worn flanged car wheels to a normal contour which consists in first welding a fillet of metal to the wheel body within the worn groove in the wheel flange, shaping the added metal approximately to the normal flange contour desired and building up the same to an excess thickness corresponding to the thickness of the worn thread to be removed, and subsequently simultaneously removing the excess thickness of the whole flange and the corresponding thickness of the worn thread, thereby to bring both the thread and the flange to a normal contour.

1,519,030. GOVERNOR. CLIFFORD H. HORN, Lincoln, Nebr., and CHARLES W. FLEISCHAUER, Lansing, Mich. Filed Dec. 27, 1921. Serial No. 524,948. 2 Claims. (Cl. 264-17.)



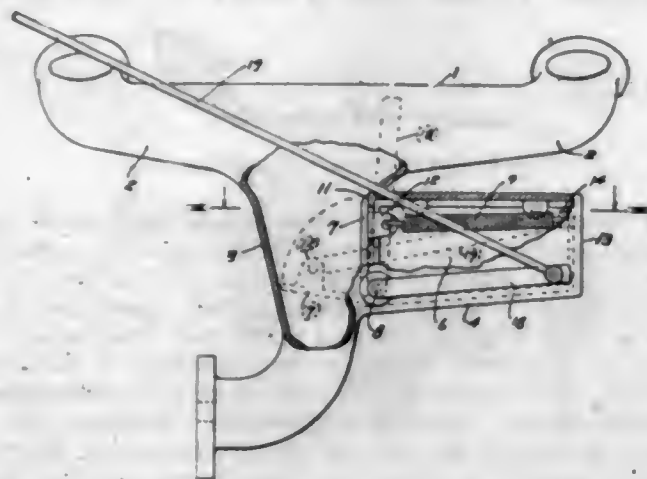
1. In a governor, a rotatable shaft, a cylindrical hub secured to said shaft and having a cone at one end with sockets, balls loosely positioned in said sockets, a hollow cone arranged about said shaft and having a relatively large axial opening to receive the shaft with an air space between the shaft and the marginal edge of the opening, said hollow cone being in contact with said balls and having air openings therein and being provided with a collar portion overlapping said hub to hold the cones in concentric relation; and means connecting said hollow cone to a governing part of an engine to regulate the speed of the engine.

1,519,031. DEMI-HUNTER WATCH. GEORGES HUGUENIN, Le Locle, Switzerland. Filed May 7, 1923. Serial No. 637,303. 1 Claim. (Cl. 58-88.)



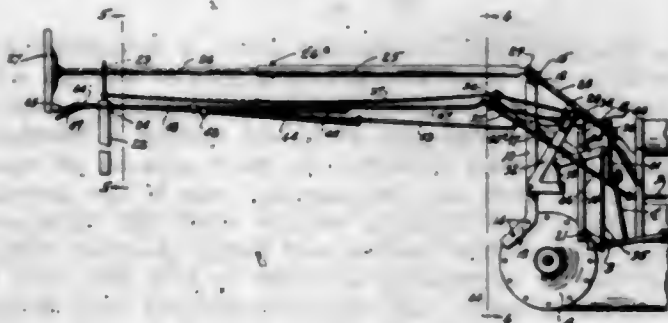
A demi-hunter watch, comprising a case embodying hinged back and cover members, the latter having a central opening; a thin, flat supporting plate hinged to the back and conformably fitting wholly within the same when the case is closed to permit the watch to be worn in the ordinary manner; and a watch movement secured in a central opening in said plate and including a dial which is visible through the cover opening when said case is close; the cover of the case being adapted to rest horizontally upon a flat base when the case is opened, and the supporting plate being adapted to be swung forward and outward into inclined position with relation to the back and maintained in such position by said cover.

1,519,032. ANTITHEFT DEVICE. LOUIS KAUFOLD, San Francisco, Calif. Filed Mar. 20, 1924. Serial No. 700,591. 4 Claims. (Cl. 251-125.)



1. In combination with an internal combustion engine having an intake manifold and a pipe connecting the same with a carburetor, a means for closing said pipe comprising a housing formed integral with and extending laterally from the pipe so as to communicate with the interior thereof, a gate hinged at the point of juncture between the housing and the pipe, a spring connecting the remote end of the gate with the far wall of the housing for normally maintaining the gate inactive and a handle associated with the gate allowing the same to be swung into an active position.

1,519,033. EXTENSIBLE TRACTOR CONTROLLING MECHANISM. AUGUST H. KAUSGER, Luray, Kans. Filed May 27, 1922. Serial No. 504,061. 1 Claim. (Cl. 180-77.)



A controlling mechanism for the clutch of a tractor comprising a supporting frame adapted to be mounted upon the tractor, a support adapted to be mounted upon an implement drawn by the tractor and extending upward therefrom, a lever mounted upon the forward supporting frame and having a link adapted to engage the clutch pedal of the tractor, a bell crank lever operatively mounted upon the forward supporting frame and having a link connection to one end of said lever, a flexible member operatively connected at one end to the supporting frame, and a pulley mounted upon the free end of said bell crank lever and around which pulley the flexible member passes, said flexible member then extending rearward and being operatively supported by the rear supporting frame, there being means on the rear supporting member for engaging the flexible member and holding it in a retracted position.

1,519,034. RECEPTACLE. LEON R. LIVINGSTON, Greenville, S. C. Filed Feb. 8, 1924. Serial No. 691,425. 1 Claim. (Cl. 65-13.)

A drinking glass comprising inner and outer integral containers joined at their upper ends, the outer container being gradually and uniformly widened toward its

lower end thereof and being exteriorly threaded, the inner container being gradually and uniformly decreased in diameter toward the lower end thereof and cooperating with the other container in forming an ice receiving compartment substantially increased in diameter toward the lower end of the receptacle, the reduced lower end of the inner receptacle terminating above the plane of the lower end of the outer receptacle whereby to facilitate the placing ice in the ice receiving compartment, and

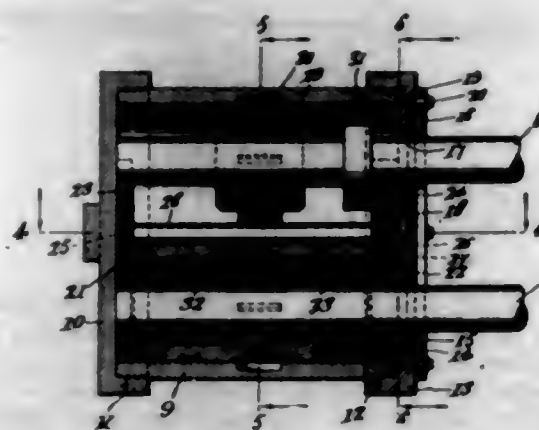


a combined base and closure extending over the entire enlarged end of the ice receiving compartment and having a flange surrounding the outer container and engaged with the external threads on said outer container, said combined base and closure being removable to entirely expose the enlarged lower end of the ice receiving compartment whereby ice may be expeditiously placed in said ice receiving compartment, said combined base and closure being substantially greater in diameter than the upper end of the glass.

1,519,035. PROCESS FOR THE PRODUCTION OF ACTIVE METALLIC CATALYSTS. ERNEST JOSEPH LUSH, London, England, assignor to Technical Research Works Limited, London, England. Filed Aug. 4, 1923. Serial No. 655,728. 3 Claims. (Cl. 204-9.)

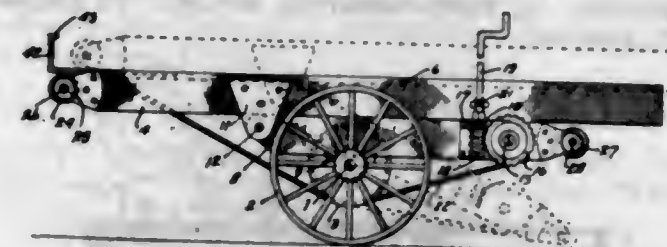
1. A process for the production of active metallic catalysts which consists in subjecting the metallic surfaces to an electrolytical anodic oxidation and afterwards reducing in hydrogen substantially as described.

1,519,036. WHEEL DRIVE. EDWARD McMANEMIN, Tioga, La. Filed Apr. 28, 1924. Serial No. 709,577. 5 Claims. (Cl. 74-7.)



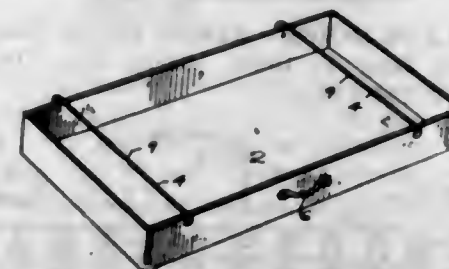
1. A wheel drive for vehicles comprising load and power shafts, a casing enveloping the end portions of the shafts, means whereby said power shaft may have driving connection with the casing, plates for supporting the power shaft from the load shaft and elongated sleeves extending about the load shaft and resting upon the lower portion of the casing.

1,519,037. TRUCK. CHARLES T. MCPHALEN, Los Angeles, Calif. Filed July 23, 1923. Serial No. 653,278. 7 Claims. (Cl. 214-65.)



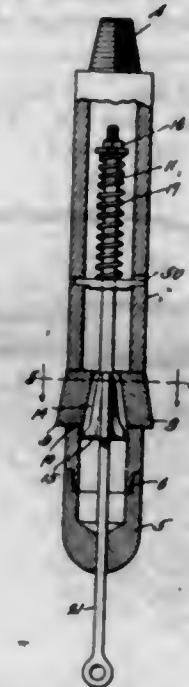
1. In a truck of the character described a single wheel supported axle, a short frame secured thereon, a longer frame adapted to lie on the short frame having an intermediate portion pivoted to the front end thereof so as to project beyond the same and an operative connection between the front end of the larger frame and the rear end of the short frame whereby the two ends may be drawn together while each describes an arc around the pivot.

1,519,038. COMBINATION PAN AND SIFTER. FRANK L. MARTIN, Dunbar, Pa. Filed July 10, 1923. Serial No. 650,680. 1 Claim. (Cl. 126-244.)



A device for the purpose indicated comprising an ash pan or receptacle open at its top and provided with transverse bars spanning its forward and rear walls adjacent its ends, and a coal catcher and ash sifter dimensioned according to the receptacle and provided with a perforated bottom resting on said rods for reciprocating movement longitudinally thereof.

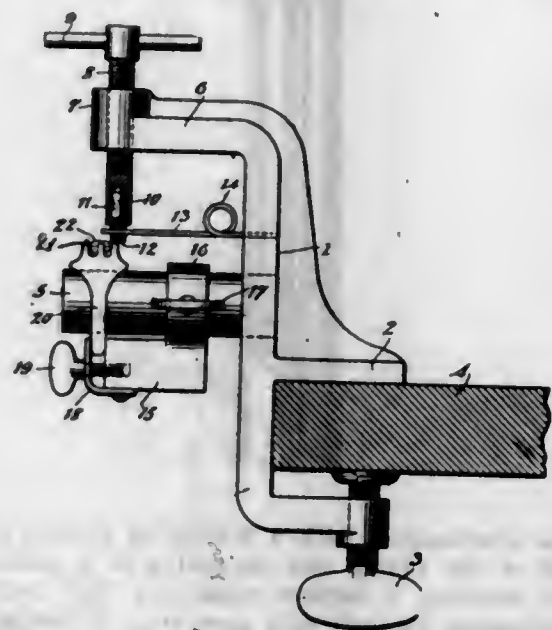
1,519,039. UNDERREAMER. JOHN E. MORGAN and JOHN R. MCCOY, Okemah, Okla. Filed June 4, 1923. Serial No. 643,435. 1 Claim. (Cl. 255-74.)



In a device of the class described, a body having an opening, cutters slidable in the body, transversely of the body, a plunger slidable in the body and comprising a stem and an enlarged part located between the cut-

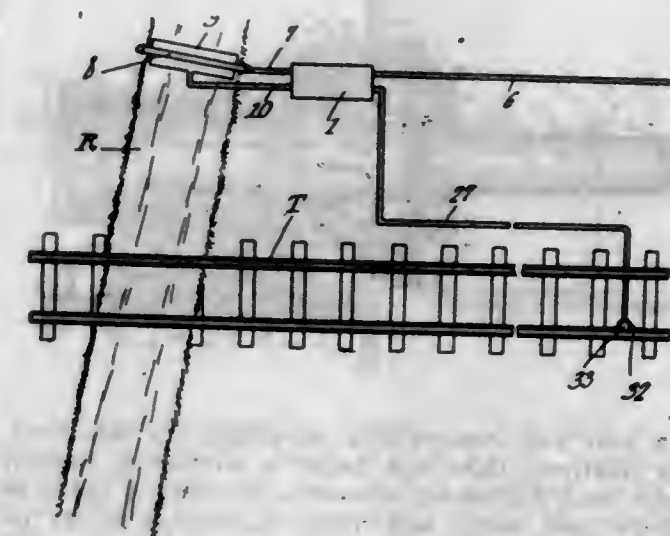
ters and operating to advance them into cutting position when the plunger is raised, spring means cooperating with the stem for raising the plunger, and a releasing member mounted in the opening for sliding movement longitudinally of the body and located entirely at one side of the stem, the releasing member engaging the enlargement of the plunger, the releasing member and the body having relatively inclined elements which cooperate to move the upper end of the releasing member laterally and outwardly with respect to the body when the releasing member is moved upwardly and longitudinally of the body.

1,519,040. STONE-SETTING DEVICE. IVAN T. NELSON, Hillsboro, N. Dak. Filed Jan. 19, 1924. Serial No. 687,263. 4 Claims. (Cl. 29-10.)



1. A stone setting device, comprising a frame, a mandrel on the frame, a screw mounted in the frame at an angle to the mandrel, a reversible plunger located in the end of the screw, and a spring finger connected to the plunger and holding the same against turning movement.

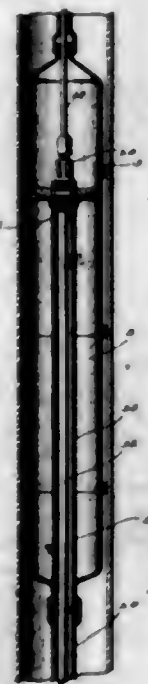
1,519,041. WATER SIGNAL. JOSEPH BROWN NEIL, York, S. C. Filed Mar. 21, 1924. Serial No. 700,907. 7 Claims. (Cl. 246-253.)



1. A signal apparatus including a fountain, means for supplying liquid thereto under pressure, a valve normally closing communication between the fountain and its supply, normally restrained valve operating means, means operated by an approaching train for re-

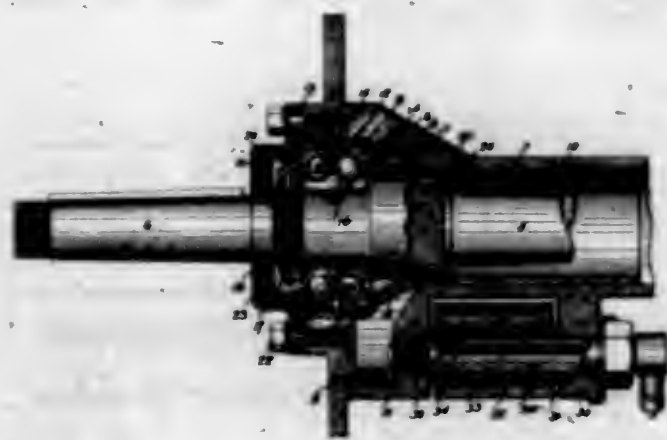
leasing the valve operating means to open the valve, means for conducting waste liquid away from the fountain, and means operated by the waste liquid for successively closing the valve to cut off the supply.

1,519,042. SAND TRAP FOR OIL WELLS. GEORGE ALBIN OSBORNE, El Dorado, Ark. Filed Oct. 10, 1923. Serial No. 667,715. 8 Claims. (Cl. 103-220.)



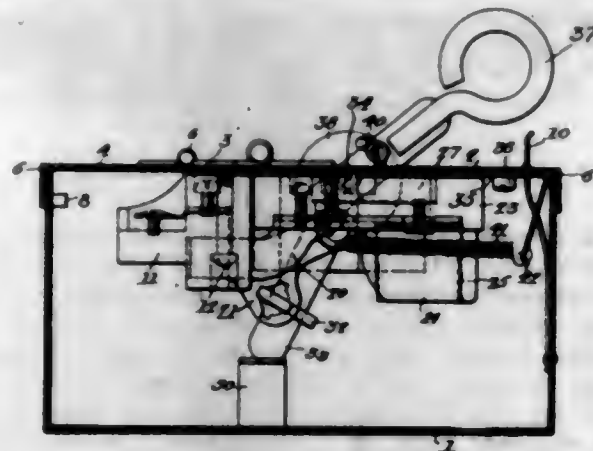
1. The combination with a tubing, of a sand trap interposed in the tubing and consisting of a plurality of separate sections, a hollow pump rod and liquid conveyor extending through said sand trap, a tubular housing extending up through said trap and receiving said pump rod, and a concavo-convex perforated partition connected to said housing and dividing the trap into upper and lower compartments.

1,519,043. REAR-AXLE CONSTRUCTION. VICTOR W. PAGE, New York, N. Y. Filed Apr. 27, 1921. Serial No. 463,052. 4 Claims. (Cl. 74-56.)



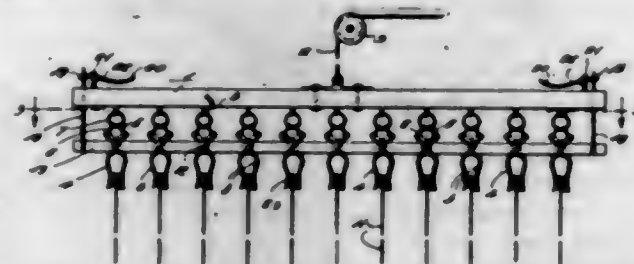
4. A rear axle construction comprising an axle housing of relatively light soft metal, a reinforcing element therefor, said reinforcing element comprising a lining of relatively hard metal, said lining conforming to the interior shape of the axle housing and being formed with a bell-shaped end forming a bearing seat and a flange defining the open end of said axle housing to limit the longitudinal movement of the lining relative to the housing, and means passing through the flange and having engagement with the housing to secure the reinforcing element therein.

1,519,044. ELECTRIC SWITCH. HENRY T. PAISTE, Philadelphia, Pa., assignor to H. T. Paiste Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 31, 1920. Serial No. 400,397. 18 Claims. (Cl. 200-50.)



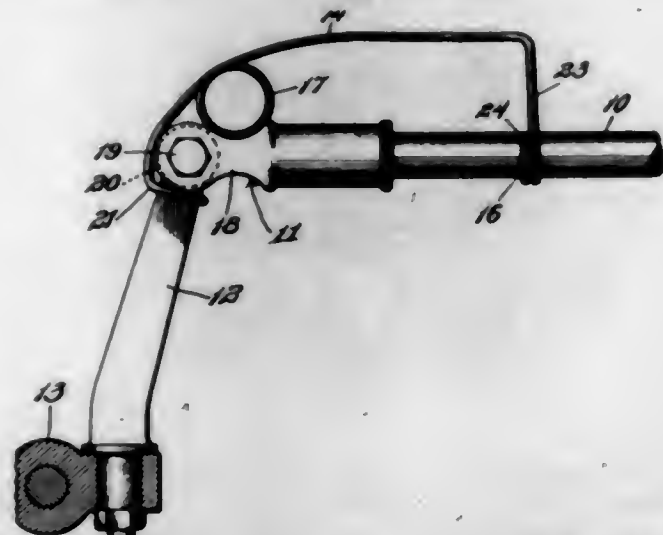
1. The combination of a casing having a cover including a fixed and a movable part; with an electrical switch in the casing having its fixed and movable contacts mounted respectively on the fixed and the movable parts of the cover.

1,519,045. PLATE HOIST. ALBERT PANKO, Woodbridge, N. J. Filed May 1, 1924. Serial No. 710,402. 5 Claims. (Cl. 294-87.)



1. In a hoist, a horizontal supporting beam adapted for direct non-sliding connection to a hoisting member, a plurality of grapples suspended from said beam, a horizontal grapple-releasing bar under said beam free of connection with the hoisting member and operatively associated with said grapples for releasing the latter when the bar is raised with respect to the beam, and manually-operated means connected with said bar and engaged with said beam for raising the former with respect to the latter to effect a release of the grapples.

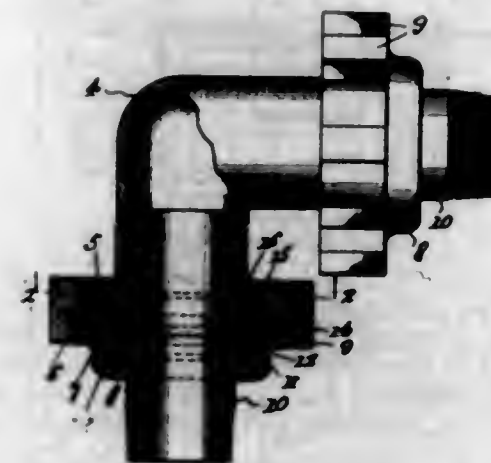
1,519,046. ANTIRATTLE. JUDSON C. FEWSTER, Wichita, Kans. Filed July 8, 1924. Serial No. 724,915. 4 Claims. (Cl. 74-17.)



3. The combination with two members disposed at an angle and pivotally connected at their adjacent ends, of a resilient body disposed upon the exterior of the angle

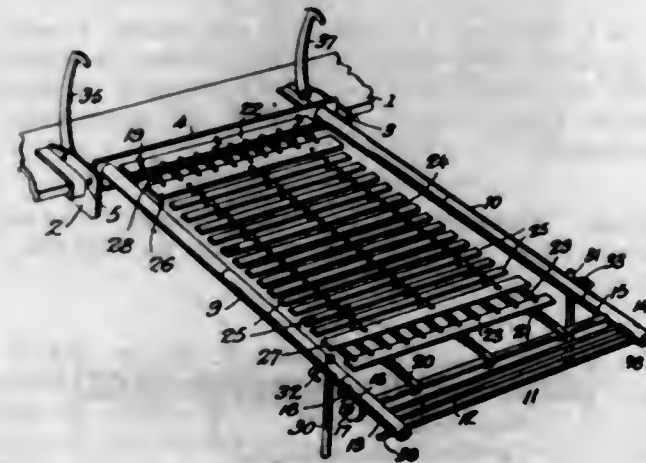
between the members and having connection with one of said members whereby it is rendered rigid to the member, the opposite end of the body being slidably engaged with the other of the members and by its engagement tending to move said other member into alignment with the first named member.

1,519,047. FLEXIBLE JOINT. JOHN K. PIERCE, Fort Worth, Tex. Filed Oct. 3, 1921. Serial No. 504,921. 1 Claim. (Cl. 285-124.)



A flexible pipe joint comprising a pipe section having an enlarged cylindrical portion, a second pipe section fitted within the first section and rotatable therein, said second section having an external annular flange lying outside the plane of the end of the cylindrical portion of the first named section, a nut threaded upon said cylindrical portion of the first section and having two stepped internal shoulders, one of said shoulders being disposed outwardly of the second pipe section flange, said nut having an opening to receive said second section and to provide a bearing therefor, the second shoulder in the nut adapted to abut against the end of the cylindrical portion of the first section and projecting inwardly of the internal wall of said cylindrical section, a washer received upon the inner face of the second section flange and upon the inwardly projecting portion of the second shoulder, a gasket held within the cylindrical portion of the first section and lying against said washer, and a second washer between the flange and said first shoulder.

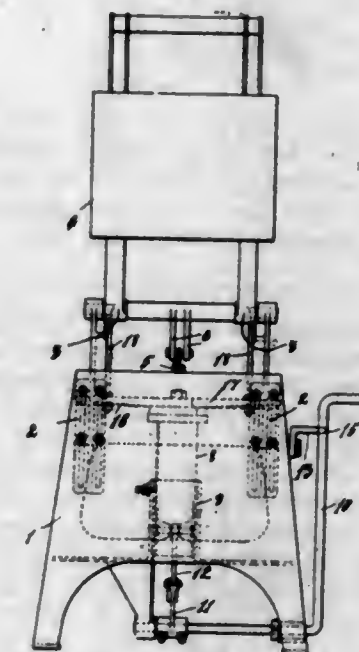
1,519,048. BED. EDGAR R. POWELL, Payette, Idaho. Filed Apr. 13, 1922. Serial No. 552,081. 1 Claim. (Cl. 5-119.)



A combined bed and luggage carrier for vehicles comprising, with clamps to be mounted on the running board of a vehicle, an angle bar pivoted for turning movement between said clamps, side bars fitted to extend from the angle bar, a foot section to be mounted at the outer ends

of the side bars, adjustable legs associated with the side bars, to support the outer ends thereof, a spring structure detachably connected between the angle bars and the foot section, means carried by the foot section to tighten the spring structure, the foot section being adapted to be mounted on the angle bar in an upright relation when the parts are disassembled, and means to hold the foot section in the upright position, said angle bar being shifted to different relative settings for the two mountings of the parts.

1,519,049. FOUNDRY MOLDING MACHINE. PERCY PAIRCHARD, Birmingham, England. Filed Oct. 20, 1922. Serial No. 595,808. 5 Claims. (Cl. 22-45.)



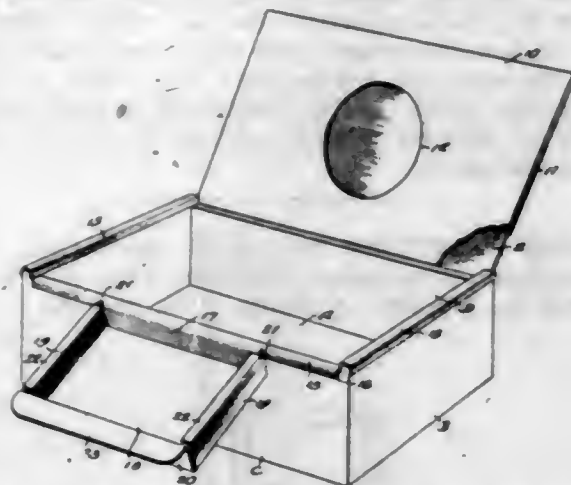
1. A foundry molding machine comprising a frame, a molding table or pattern plate support, and a pivotally mounted tamping plate which is raised and lowered about its pivot axis so that repeated blows may be given for pressing the sand around the pattern stationarily located in the molding box.

1,519,050. ANIMAL CLIPPER. GUY N. RAYMER, Hydesville, Calif. Filed Apr. 24, 1924. Serial No. 708,760. 2 Claims. (Cl. 30-1.)



1. A clipper including a casing, a drive shaft in the casing, a stationary cutter carried by the casing and supported beneath one end thereof, a rotary cutter on the stationary cutter and having a central depression, a vertical shaft having an enlarged end seated in the said depression, a sleeve in the casing, a gear on the sleeve, a gear on the drive shaft meshing with the first gear, the upper end of the vertical shaft being slidably disposed in the sleeve and rotatable therewith, and means within the sleeve and engaged with the vertical shaft for maintaining the vertical shaft within said depression.

1,519,051. CIGAR-BOX ATTACHMENT. ALFRED WILLIAM RAYNER, New York, N. Y. Filed Jan. 26, 1924. Serial No. 688,867. 4 Claims. (Cl. 206-44.)



1. The combination with a cigar box, of a lid covering attachment therefor having a display aperture therein for exposing therethrough portions of the lid, and channel flanges at the edges thereof for detachably associating said lid covering attachment with said lid.

1,519,052. INDICATOR FOR GOLF CLUBS. MILTON B. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Feb. 7, 1924. Serial No. 691,235. 5 Claims. (Cl. 273-35.)



1. In combination with a golf club, a signal device carried thereby to indicate speed of the back swing of said club in excess of a prescribed speed.

1,519,053. MEDICATED COMBUSTIBLE. JOHN EDMOND REW, Niagara Falls, N. Y. Filed Apr. 25, 1923. Serial No. 684,607. 6 Claims. (Cl. 167-12.)

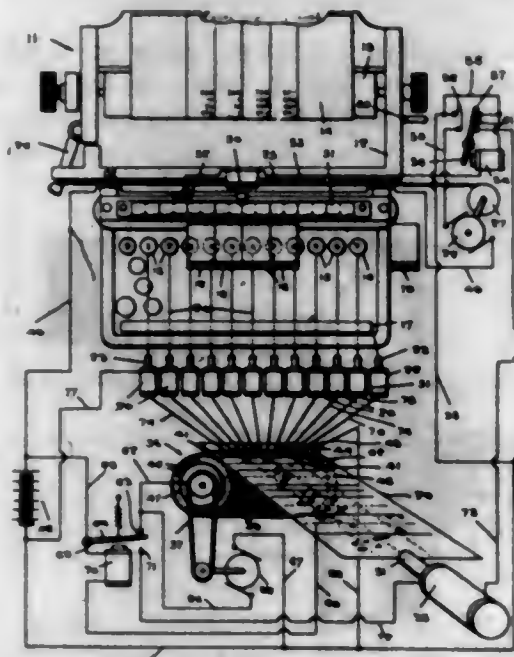
3. As an article of manufacture, a wick impregnated with galangal, charcoal, and nutmeg.

5. A composition of matter for the relief of toothache and other affections consisting of a mixture of galangal and nutmeg, and a combustible material mixed with the galangal and nutmeg, said composition of matter when ignited adapted to emit a smoke or vapor possessing a therapeutic value.

1,519,054. TABULATING MECHANISM. LYNUS CLYDE REYNOLDS, Washington, D. C. Filed Aug. 20, 1921. Serial No. 494,022. 9 Claims. (Cl. 197-20.)

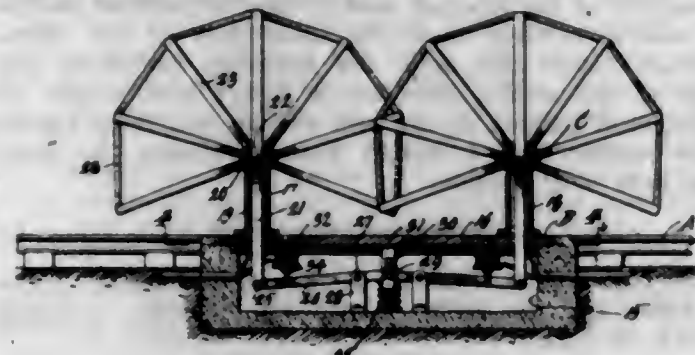
1. A tabulating mechanism comprising a tabulating typewriter having a movable carriage and keys for the movement of said carriage, means for feeding apertured

cards, a contact device cooperable with said cards, for controlling electrical circuits according to the arrangement of the apertures, electrical means controlled by said device for operating said keys, an electrical operator for said feeding means, an electrical carriage returning means, and circuit controlling means operable when the



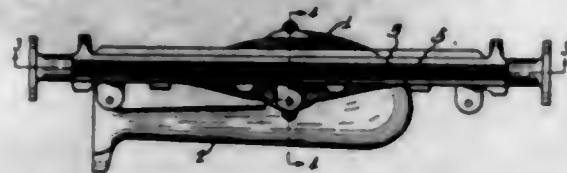
carriage has moved to a predetermined position for closing the circuit of said carriage returning means and opening the circuit of the electrical operator, and operable when the carriage has been returned for opening the circuit of the carriage returning means and closing the circuit of said electrical operator.

1,519,055. RAILROAD SIGNAL AND GATE. MARY JANE REYNOLDS, St. Joseph, Mo. Filed Apr. 7, 1924. Serial No. 704,824. 4 Claims. (Cl. 39-7.)



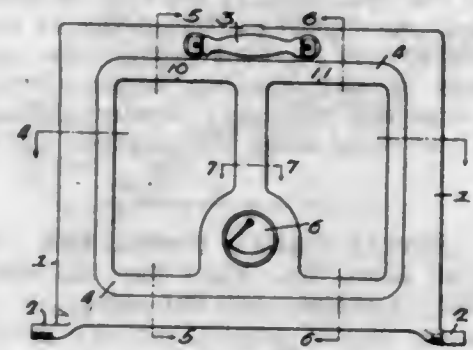
1. In a combined railroad gate and signal, a pair of gate portions, each including a hollow post, a standard slidably mounted in the post, and a plurality of flexibly connected arms pivotally secured to the upper ends of the standards.

1,519,056. BURNER. FRANK V. RISINGER, Cleveland, Ohio. Filed Mar. 31, 1923. Serial No. 629,193. 3 Claims. (Cl. 158-99.)



2. A burner of the character described, comprising an elongated flared manifold having a longitudinal open-ended channel in its upper face, and a removable grid fitting said channel and comprising longitudinal strips and blocks fixed to the strips.

1,519,057. OVEN DOOR. CLARENCE V. ROBERTS, Philadelphia, Pa., assignor to Roberts & Mander Stove Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 20, 1923. Serial No. 648,528. 5 Claims. (Cl. 126-200.)

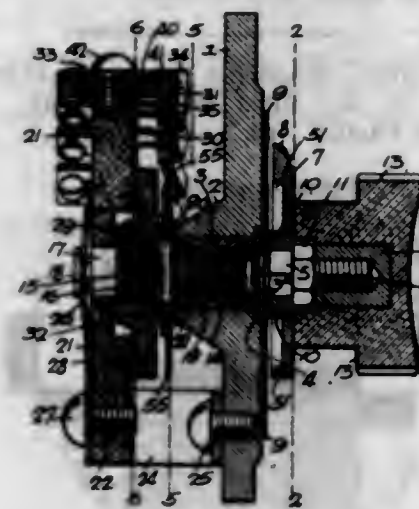


1. The combination of an oven door having two openings, a pair of sheets of pressed glass each shaped to fit either opening and having a marginal flange at one side, and means for clamping one of said glass sheets in one position in one of said openings and the other sheet in reversed position in the other opening.

1,519,058. PROCESS OF MELTING METALS. WILHELM ROHN, Hanau, Germany. Filed Sept. 22, 1921. Serial No. 502,588. 6 Claims. (Cl. 204-64.)

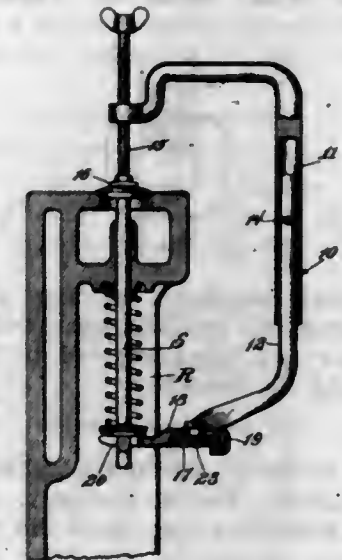
1. A process for melting down cold scrap in pieces in induction furnaces, characterized by a voltage several times greater being produced in the charge of the melting groove for the purpose of starting the heating and the melting, by supplying primary alternating current of a higher frequency than the normal one.

1,519,059. ELECTRIC SWITCH. PERCY RUSSELL, Swarthmore, Pa., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 29, 1921. Serial No. 488,384. 31 Claims. (Cl. 200-11.)



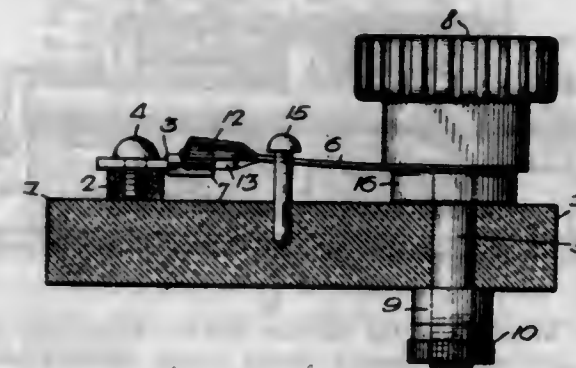
1. The combination in an electric switch of a movable contact; and a series of fixed contacts having portions lying in substantially parallel planes inclined to the plane of movement of the movable contact and including means whereby said movable contact is automatically caused to move into engagement with opposite faces of the fixed contacts when its direction of movement is reversed, the adjacent portions of adjacent contacts being in stepped relation and positioned to permit the movable contact to instantaneously snap from one to the other when it is moved in either direction.

1,519,060. VALVE-SPRING COMPRESSOR. ARTHUR L. SANDIN, Bismarck, N. Dak. Filed Mar. 27, 1924. Serial No. 702,351. 2 Claims. (Cl. 29-86.3.)



2. In a valve spring compressor, a manifold bridging yoke constructed in two adjustably connected sections having means for securing them in adjusted position, the upper end of the yoke having a member adjustable therethrough and provided at its lower end with a valve head engaging element adapted to simultaneously engage the heads of two adjacent valves, the lower end of the yoke being provided with a transverse extension having slidably mounted upon opposite ends thereof a pair of valve spring compressing elements, means for securing the compressing elements in adjusted relation and with adjacent edges thereof spaced from one another, said valve spring compressing members each having a spring receiving portion having a notch for the reception of the stem of the valve, the under surface of the valve head engaging element being curved to conform to the curvature of the upper surfaces of the valve heads to be engaged thereby, said valve spring compressing elements each comprising a member having a portion abutting the upper surface of the extension having at its sides portions abutting the side walls of the extension, one of said portions being provided at its lower edge with a valve spring seat, the other of said portions being provided with a flange paralleling the first named portion to maintain the valve spring compressing element in position upon the extension against the leverage exerted by the spring upon the spring seat.

1,519,061. ELECTRIC SWITCH. ADOLPH W. SCHRAMM, Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 13, 1921. Serial No. 434,355. 15 Claims. (Cl. 200-11.)



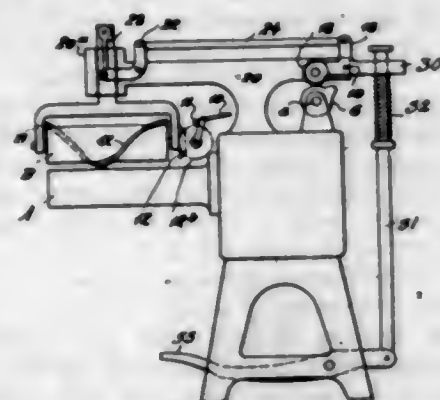
1. The combination in an electric switch of a series of fixed contacts mounted to lie substantially within a plane; with a movable contact having two portions formed and positioned to respectively engage opposite faces of the fixed contacts when it is moved in opposite directions.

1,519,062. ELECTRIC WELDING AND HEATING DEVICE. EDMUND SCHRÖDER, Berlin, Germany, assignor to the Firm, Braun-Brüning & Co., Basel, Switzerland. Filed Apr. 3, 1922. Serial No. 549,082. 2 Claims. (Cl. 219-4.)



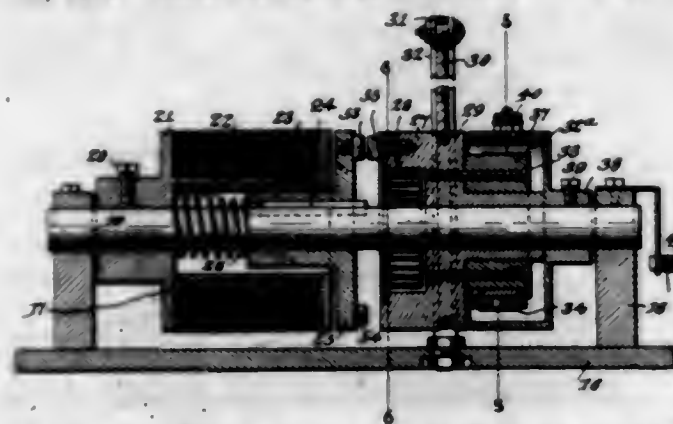
1. In an electric resistance welding and heating machine, a transformer, windings surrounding a limb of said transformer and being adapted to feed a welding arc, substantially as described.

1,519,063. ELECTRIC SEAM-WELDING MACHINE. EDMUND SCHRÖDER, Berlin, Germany, assignor to the Firm, Braun-Brüning & Co., Basel, Switzerland. Filed May 22, 1922. Serial No. 562,757. 2 Claims. (Cl. 219-4.)



1. The combination with an electric seam welding machine, a stationary electrode, a movable electrode arranged parallel to the stationary electrode, means for intermittently lifting the movable electrode from the seam of the work piece carried by said stationary electrode and causing it to again contact with the seam, and means for interrupting the welding circuit during the moments of the breaks of the contact, of a thread disposed about said movable electrode and forming the welding member proper of the same.

1,519,064. ATTACHMENT FOR MOTION-PICTURE-PROJECTING APPARATUS. ALVIE R. SHOEMAKER and JOHN F. HASENKAMP, Chattanooga, Tenn. Filed May 11, 1922. Serial No. 580,092. 4 Claims. (Cl. 88-17.)



1. An attachment for motion picture projecting apparatus comprising normally closed circuit connections for a film shifting motor, a normally locked shutter shifting device including a rotatable member provided with a contact element normally engaging with said connections for closing the film shifting motor circuit when the device is locked and further including a resilient element to rotate said member for shifting the shutter to closed position and for shifting said contact

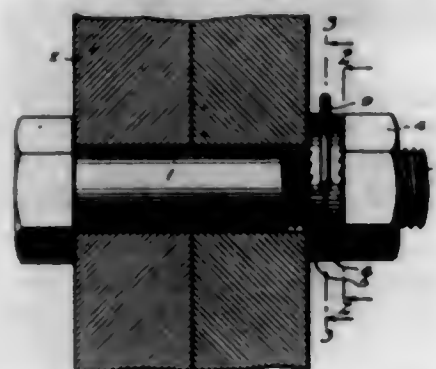
element to open said circuit when said device is released, a magnetic device including spring controlled means engaging with and locking said shutter shifting device from actuation when the magnetic device is de-energized, circuit forming means for said magnetic device, and a film controlled means for closing the circuit to said magnetic device when the film breaks to energize the magnetic device to release the shutter shifting device to provide for the actuation of said rotatable member, the spring controlled means of said magnetic device provided with abutments engaging with said shutter shifting device for locking the latter when the magnetic device is de-energized.

1,519,065. DENTAL CREAM CONTAINER. ROGER D. SIDENER, St. Louis, Mo. Filed Mar. 22, 1923. Serial No. 626,823. 1 Claim. (Cl. 221-60.)



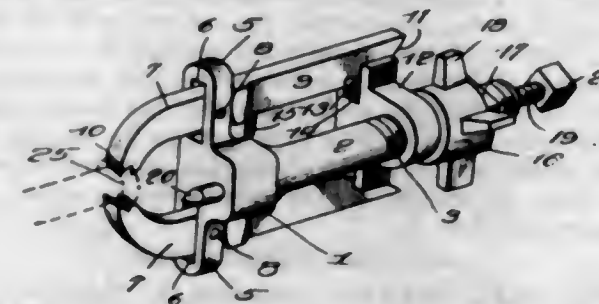
A dental cream container holder comprising oblate casing sections hinged together at one end and provided at their opposite ends with recesses adapted to receive the nipple of the container, said sections being provided at their meeting side edges with complementary slots, a roller mounted for movement in the slots and a cap hinged to the recessed end of one of the casing sections and at a point between the recess and the side of the section whereby the side of the cap will engage the end wall of the casing section when the cap is swung to an open position and the edge of the cap may serve as a guide for directing a brush across the recesses and the nipple held therein.

1,519,066. LOCK WASHER. SAMUEL BURTON SMITH, Brooklyn, N. Y. Filed Oct. 25, 1923. Serial No. 670,781. 1 Claim. (Cl. 151-45.)



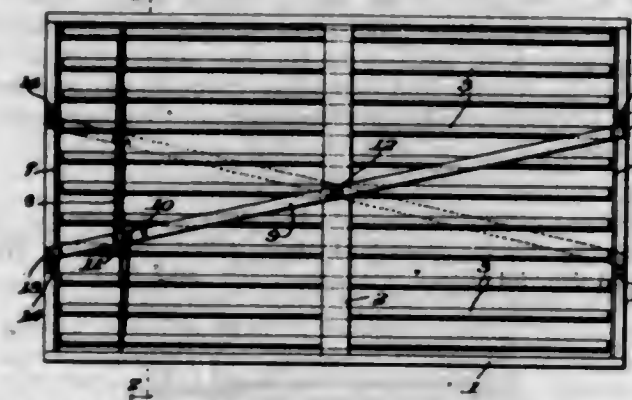
A lock washer construction which comprises a pair of washers having relatively smooth abutting surfaces provided with a plurality of grooves adapted to be brought into registration with each other, the opposite surfaces of the washers being provided with teeth, said toothed surfaces being case hardened and adapted to bite respectively into the surface of a support and into the under surface of a nut, and a spring element having inwardly projecting ends, said ends adapted to project into certain of the registering grooves on the washers to hold the washers in fixed relation to each other.

1,519,067. TOOL FOR REMOVING BOLTS, KEYS, ETC. THOMAS G. SMITH, Coffee Creek, Mont. Filed Mar. 24, 1923. Serial No. 627,436. Renewed Oct. 6, 1924. 4 Claims. (Cl. 20-86.)



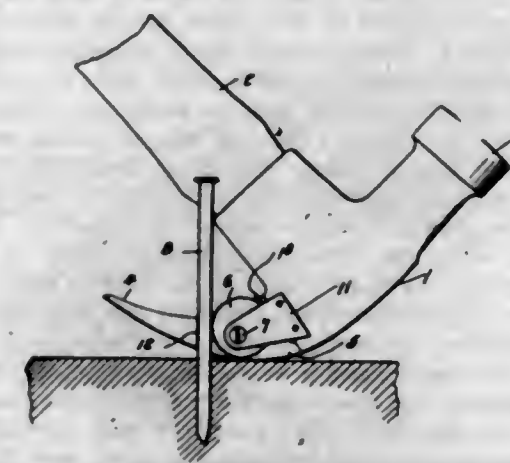
1. In an implement of the class described, a head, a stem carried thereby, gripping levers pivotally supported in the head, a follower movable on the stem and cooperating with the levers to move the gripping ends of said levers together, means movable on the stem to actuate the follower, and a pressure element operative from beyond the stem, said element projecting beyond the head and toward the gripping ends of the levers.

1,519,068. EGG TURNER. LYLE N. SNOW, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed Sept. 22, 1924. Serial No. 739,123. 4 Claims. (Cl. 119-44.)



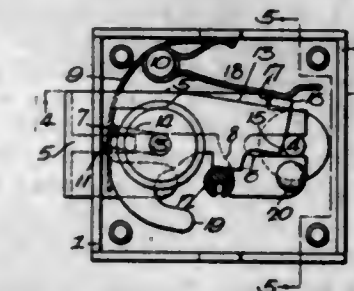
1. An egg-turner including a frame, rollers journaled therein, an endless device hove around the rollers, a cross-bar-brace, a lever pivoted thereto and to which the endless device is connected, at least one end of the lever extending to the end of the frame within easy reach of the operator, it being adapted when moved to the right or left to transmit motion to the several rollers through the flexible connection.

1,519,069. HAMMER. GEORGE T. SNYDER, Natchez, Miss. Filed May 19, 1923. Serial No. 640,150. 1 Claim. (Cl. 254-22.)



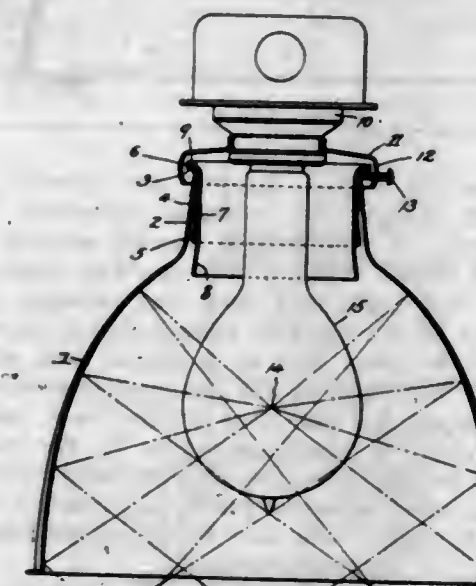
A hammer head having a recess open at a side thereof providing a gripping jaw at one end of the recess, a dog having an arcuate surface and a flat surface at its marginal edge, the arcuate surface serving as a grip to coact with said jaw, a spring secured at one end to the hammer head in said recess and having its opposite end engaging said flat portion of the dog, a plate extending across the open side of the recess and terminating short of said jaw, and a pivot member extending eccentrically through said dog, and supported by said plate and hammer head.

1,519,070. LATCH LOCK. FRANK SOLEY, Philadelphia, Pa., assignor to Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 10, 1923. Serial No. 611,772. 5 Claims. (Cl. 70-29.)



3. The combination in a lock, of a casing; a bolt arranged to slide in the casing; a stud on the casing; a tumbler arranged to slide and turn on the stud and to engage the bolt when in its forward position; and a fixed stop on the casing to hold the tumbler against rearward movement when said tumbler is in the forward position, the tumbler being raised clear of the bolt and the fixed stop when actuated by a key, said bolt having means by which it can be retracted without a key.

1,519,071. ADJUSTABLE REFLECTOR. WILLIAM H. SPENCER, New York, N. Y., assignor to I. P. Frink, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 31, 1923. Serial No. 671,051. 2 Claims. (Cl. 240-103.)

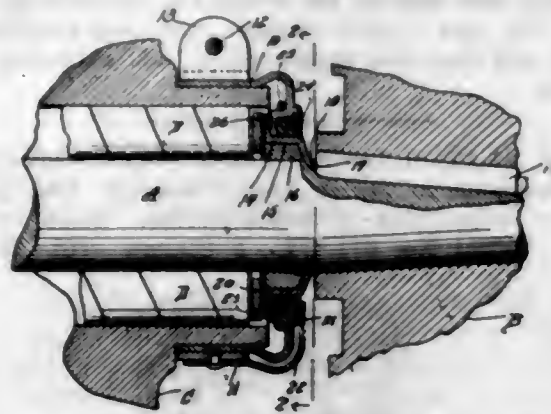


1. The combination with a reflector having an integrally formed upwardly contracted tapered neck provided with a flange turned outwardly from its smallest diameter at the top, of a section telescopically connected thereto and comprising an upper cylindrical portion slidably contacting with the inner wall of said tapered neck at the top and a lower portion provided with a uniform taper adapting it to be closely embraced by the inner tapered wall of said reflector neck adjacent its smallest diameter.

1,519,072. AXLE OR SHAFTING GUARD. PERLE E. TARTLTON, Los Angeles, Calif. Filed June 8, 1922. Serial No. 566,743. 5 Claims. (Cl. 64-22.)

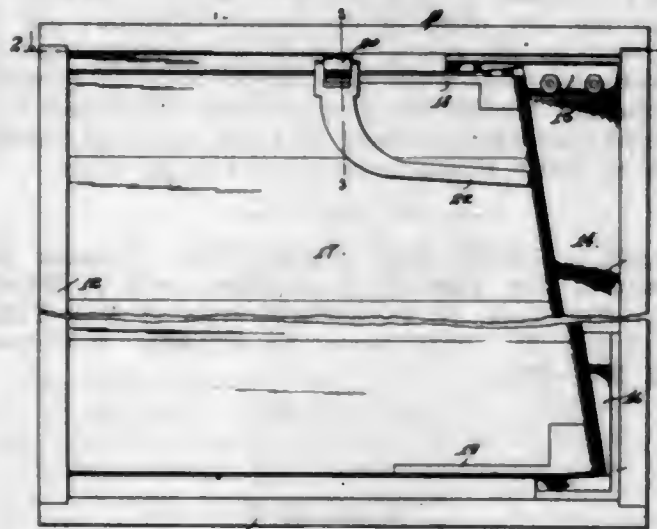
1. A guard of the class described including a cap, a guard plate, said guard plate having an intermediate band, a gasket positioned under said band and extending

about a shaft, a flange on said guard plate against which the cap seats, pressure means about said band to maintain the cap in engagement with said flange including a



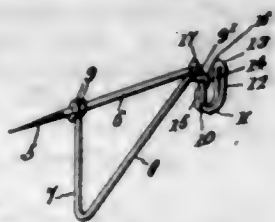
gasket, a pressure ring having spurs entering said gasket, and spring means to urge said ring towards said flange.

1,519,073. GATE LATCH. THOMAS O. THOVSON, ELMER BRAY, CARL S. BRAGER, and OLIVER BRAGER, Hanlontown, Iowa. Filed Jan. 29, 1924. Serial No. 689,343. 1 Claim. (Cl. 20-16.)



The combination with a doorway and gravity closing door mounted therein for swinging movement in opposite directions, of a transverse member secured to the upper portion of the frame of the doorway transversely thereof and above the said door, said member having bearing means on its opposite ends disposed beyond the side faces of the door, and an L-shaped arm pivotally suspended on each end of the transverse member and depending against the side face of the door, said arm being arranged to be swung upwardly by the door and be supported thereon when the door is moved into open position, said arms normally gravitating toward depending position to restore the door to closed position.

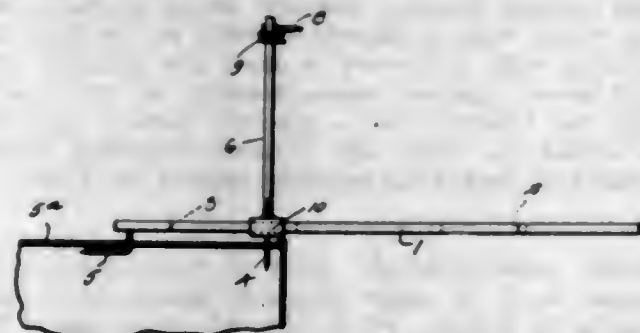
1,519,074. WINDOW-SHADE HANGER. JOHN C. TORRENCE, New Orleans, La. Filed Jan. 24, 1924. Serial No. 688,250. 1 Claim. (Cl. 156-24.)



A window shade hanger comprising a single strand of wire threaded at one terminal for attachment in a window casing and extending outwardly from said terminal to provide a horizontal bar, said strand of wire being arched downwardly and outwardly from the bar and being returned on itself throughout said arched portion to

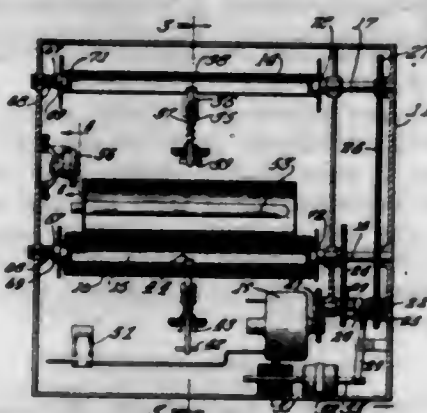
provide a shade roller trunnion socket of double strand thickness, the returned portion of said strand being wound in one helix about the inner vertical part of the initial arched portion of the socket and said strand being wound in a second helix about the outer end of said horizontal bar for reinforcing the socket and its connection with the bar, said returned portion of the strand being extended diagonally downwardly and inwardly to provide a brace for the socket and bar and being thence bent upwardly to provide a base portion to engage the window frame, said strand terminating at the extremity of the base portion in a loop embracing the inner end portion of said bar.

1,519,075. CAN OPENER. CHESTER A. WATSON, Balingier, Tex. Filed Jan. 19, 1924. Serial No. 687,257. 4 Claims. (Cl. 30-3.)



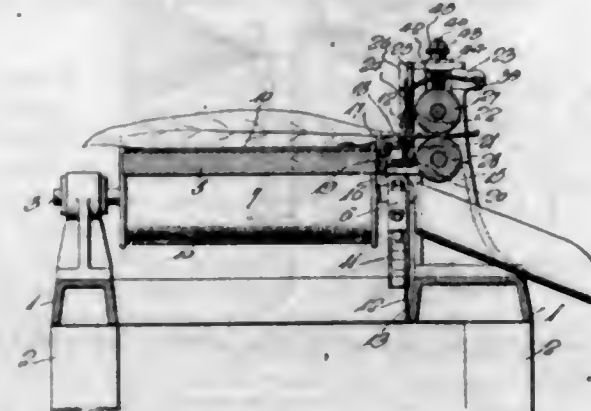
1. A can opener comprising a handle bar adapted to swing with respect to the can, a holder rising from the bar and overlapping the same to prevent transverse displacement with respect to the bar, and a cutter disposed in the holder and extending through the bar serving to prevent accidental longitudinal displacement of the holder.

1,519,076. CHANGEABLE SIGN EXHIBITOR. EDWARD D. WEED, Rockford, Ill. Filed May 17, 1922. Serial No. 561,618. 1 Claim. (Cl. 40-53.)



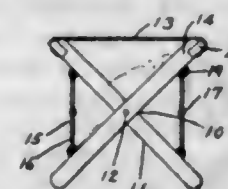
A changeable exhibitor of the character described comprising in combination a pair of reels, a web wound on said reels and adapted to feed from one to the other by rotation thereof, a reel-driving shaft co-axial with each reel, an electric motor, a clutch shaft parallel with one of said reel-driving shafts and in constant driving connection with the motor, a pair of spaced clutch elements loose on said clutch shaft, one of said clutch elements being in constant driving connection with one of said reel-driving shafts and the other in constant driving connection with the other reel-driving shaft, a clutch element splined on said clutch shaft and adapted to be shifted into engagement with either of the first mentioned clutch elements, a clutch-shifter lever, a pair of solenoids, a core bar therefor connected to said clutch lever, means actuated by the web for causing the motor to operate intermittently for predetermined periods, and means actuated on the unwinding of each reel for energizing one of the solenoids for throwing the movable clutch element to its opposite position, whereby to reverse the drive of the reels when either one has been unwound.

1,519,077. TOBACCO-STEMMING MACHINE. HENRY WEIGAND, Wilkes-Barre, and OSCAR E. SCHOBERT, West Pittston, Pa., assignors to Penn Tobacco Company, Wilkes-Barre, Pa. Filed July 10, 1922. Serial No. 573,784. 20 Claims. (Cl. 131-57.)



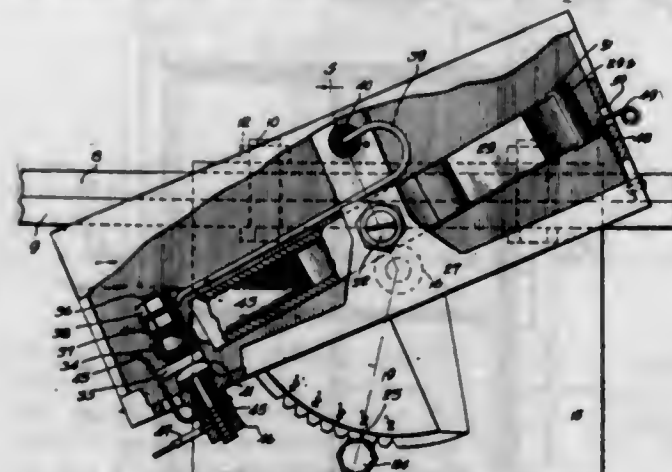
1. Leaf stripping means for use in combination with stem pulling means; comprising a plurality of stripping forks for movement with the carrier to receive the stem butts and engage them with the stem pulling means, and means overlapping said forks for holding the stems thereon during the stripping operation.

1,519,078. CAMP CHAIR. ADOLF VICTOR WESTER, Bristol, Conn., assignor to The Bristol Folding Base Company, Bristol, Conn., a Copartnership composed of said Adolf Victor Wester and Cave Waldemar Johnson. Filed Mar. 30, 1921. Serial No. 456,827. 3 Claims. (Cl. 155-147.)



1. In a camp chair, a pair of side structures positioned in spaced relation, said structures being formed each of a pair of crossed and pivotally connected frame pieces, a collapsible brace structure serving to interconnect said side structures, said frame pieces having each at the upper end portion a shoulder-like seat and an outwardly directed finger adjacent said seat, a pair of cross-bars for extending across the space between said structures, and the end portions of said cross-bars having closed sockets that fit over said fingers and are adapted to be received thereover, with part of the border wall of said closed socket engaged with said seats.

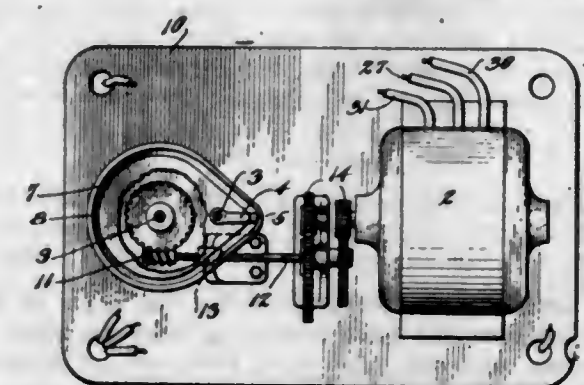
1,519,079. AUTOMATIC SAFETY TRACTOR DEVICE. EVERETT H. WHITING, Santa Rosa, Calif. Filed Nov. 24, 1920. Serial No. 426,200. 4 Claims. (Cl. 200-52.)



1. In a circuit breaking switch, the combination of an apron plate provided with a flange, means for detachably connecting said flange with the body of a tractor

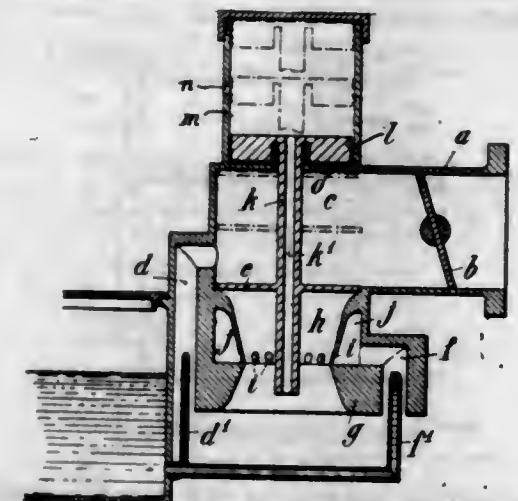
engine or the like, a sector plate journaled upon said apron plate, means controllable at the will of the operator for adjusting said sector plate to different angles relatively to said apron plate, a sector frame carried by said sector plate and having the general form of a box, a contact in the bottom of said box, a switch lever located within said box and mounted to rock, said switch lever being hollow and having the form of a box, a volume of free mercury located within said last mentioned box, a contact on one end of the mercury box and adapted to be engaged with and disengaged from the contact of the sector frame by the tilting movements of said mercury box, and means for enabling the operator to connect said contact mechanism with an ignition circuit.

1,519,080. DIRECTION INDICATOR FOR VEHICLES. FRED H. WOOD, Fargo, N. Dak. Filed Dec. 13, 1921. Serial No. 522,127. 17 Claims. (Cl. 177-337.)



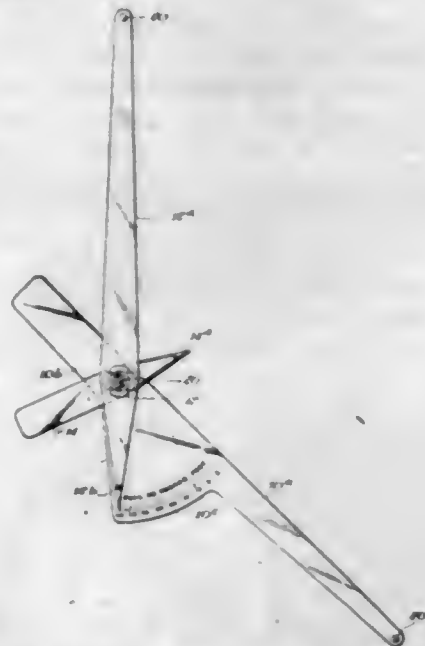
1. A direction indicator including a pointer, a motor, means between the motor and pointer for moving the pointer from a non-signalling to a signalling position, holding it in a signalling position for a predetermined time, and returning it to non-signalling position during the continuous operation of said motor, and means for controlling the motor.

1,519,081. CARBURETOR. RENE COZETTE, Courbevoile, France. Filed Apr. 12, 1920. Serial No. 373,221. 1 Claim. (Cl. 261-411.)



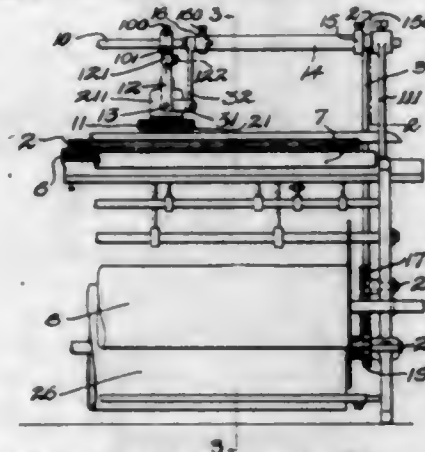
In a device of the character described, in combination, a throttle controlled inlet pipe forming a main chamber; a medium and high speed carburetor having a Venturi tube and communicating with said chamber; a low speed carburetor communicating with the inner end of the chamber, a substantially closed cylinder having a small opening for establishing communication with the top of the chamber and also provided with a small opening in its lateral wall near its base for establishing communication with the atmosphere, a piston head operating in the cylinder and coacting with the openings therein, a hollow rod carried by the piston head and depending therefrom and slidable through the casing and having its lower edge normally arranged in a plane beneath the most restricted portion of the throat of the venturi, and a valve carried by the rod controlling the communication between said chamber and the high speed carburetor substantially as and for the purpose set forth.

1,519,082. CORNER GAUGE. PAUL J. HOWE, Ridge-wood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1922. Serial No. 604,860. 2 Claims. (Cl. 33-64.)



1. A corner gauge for determining the angle of intersection between the lines extending from an offset pole to the two adjacent poles of a telegraph or other pole line, comprising a pair of sight arms and a supporting member, a pivot bolt upon which said arms and said member are mounted, the supporting member having a sharp pointed end for insertion in a stake or pole, one of said arms carrying graduations and the other arm having a pointer movable over said graduations.

1,519,083. PNEUMATIC LINT CLEARER FOR WARPING MACHINES AND THE LIKE. FRANK B. KENNEY and JOHN W. SIDENOTTOM, Lowell, Mass., assignors to T. C. Entwistle Company, Lowell, Mass., a Corporation of Massachusetts. Filed Mar. 10, 1923. Serial No. 624,107. 6 Claims. (Cl. 28-22.)

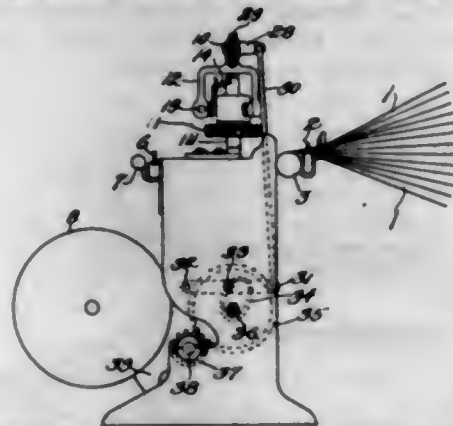


1. In a warping machine or the like, in combination, a supporting shaft, a blower mounted upon said shaft with capacity for swinging movement transversely of the machine, and means for swinging the blower to cause its blast to sweep across the width of the series of yarns or threads, comprising a sleeve upon the said shaft provided with arms, a cam, a cam-actuated member operatively connected with one of the sleeve-arms, and operative connections between a second sleeve-arm and the blower, to rock the latter when the sleeve is rocked.

1,519,084. PNEUMATIC LINT CLEARER FOR WARPING MACHINES AND THE LIKE. FRANK B. KENNEY and JOHN W. SIDENOTTOM, Lowell, Mass., assignors to T. C. Entwistle Company, Lowell, Mass., a Corporation of Massachusetts. Filed Mar. 12, 1923. Serial No. 624,368. 6 Claims. (Cl. 28-22.)

1. In a warping machine, or the like, a lint-clearer comprising a blower, means for swinging the blower to cause the current of air therefrom to change direction

back and forth transversely across the width of the machine, and means actuated from the driving mechanism

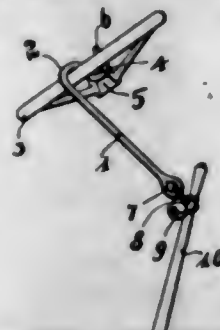


of the machine for swinging the blower fore-and-aft of the machine.

1,519,085. METHOD OF ENAMELING COIL SPRINGS. DAVID M. BARRY, Bristol, and LAWRENCE C. HUMASON, Farmington, Conn., assignors to The Humason Manufacturing Company, Forestville, Conn., a Corporation of Connecticut. Filed Dec. 23, 1921. Serial No. 524,543. 4 Claims. (Cl. 91-71.)

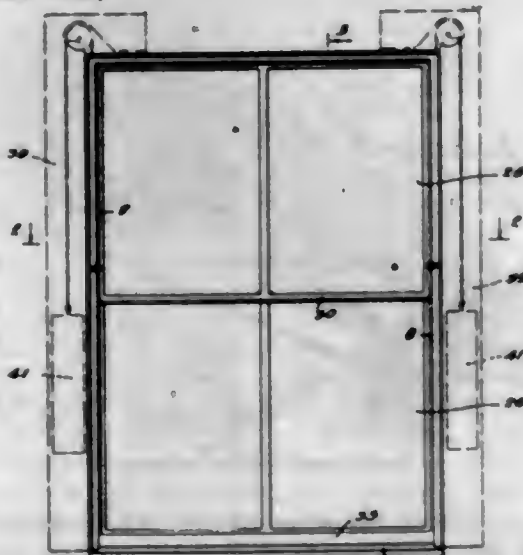
1. That improvement in the art of enameling coil springs which consists in heating the coil spring in its normal condition, stretching said spring and applying the enamel, and then baking the enamel on the spring while the latter is under tension.

1,519,086. AUTOMOBILE LOCK. EDGAR C. COFFMAN, El Monte, Calif. Filed Jan. 22, 1923. Serial No. 614,192. 3 Claims. (Cl. 70-126.)



2. In an automobile lock, a bar having an S-like hook-end to engage over the rim and under one of the arms of the steering wheel of an automobile and having means for removably locking the bar to a suitable part of the automobile for locking the steering wheel against turning.

1,519,087. WINDOW. JOHN POLACHEK, New York, JULIUS JEPSEN, Brooklyn, and EDMUND PEREMI, New York, N. Y., assignors to John Polachek, Long Island, N. Y., doing business as John Polachek Bronze & Iron Co. Filed May 2, 1923. Serial No. 636,156. 7 Claims. (Cl. 180-76.)



2. In a window construction, a window frame having side and top sections each including outer, intermediate

and inner members, said intermediate members being formed with a parting strip and a flange arranged along each side of said parting strip, and window sashes each having flanges combining to form a groove for receiving one of the first named flanges, one of the flanges of each sash contacting a side of said parting strip.

1,519,088. CATALYZER AND METHOD OF MAKING SAME. CARLETON ELLIS, Montclair, and HARRY M. WEBER, Bloomfield, N. J., said Weber assignor of his entire right to Ellis-Foster Company, a Corporation of New Jersey. Filed July 15, 1920. Serial No. 396,599. 4 Claims. (Cl. 23-236.)

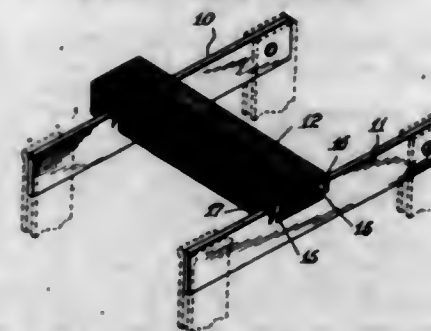
1. The process of making a catalyzing concentrate which comprises grinding nickel formate in an oil vehicle, continuing the grinding operation until the potential-catalytic properties are very substantially enhanced, and subjecting the ground material to reducing conditions whereby catalyzing is obtained.

2. In the process of making a hydrogenating catalyst by reducing catalytic raw material in a vehicle the steps which comprise first grinding the catalytic raw material in petroleum jelly, continuing the grinding operation until the potential-catalytic properties are very substantially enhanced, and reducing to form the catalytic substance in the vehicle.

3. In the process of making a hydrogenating catalyst by reducing potentially catalytic raw material comprising a readily reducible sulfur-free compound of a metal having an atomic weight between 58 and 64 in a vehicle the steps which comprise first grinding the catalytic raw material in a vehicle which is substantially liquid at the temperature of the grinding operation, reducing to form the catalytic substance in the vehicle and finally grinding said catalytic substance while in said vehicle.

4. In the process of making a hydrogenating catalyst by reducing a basic potentially catalytic metallic compound readily reducible sulfur-free compound of a metal having an atomic weight between 58 and 64 in a vehicle the steps which comprise first grinding the catalytic raw material in the vehicle, reducing to form the catalytic substance in the vehicle and finally grinding said catalytic substance while in said vehicle.

1,519,089. KNIFE SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed July 8, 1922. Serial No. 573,585. 5 Claims. (Cl. 200-166.)

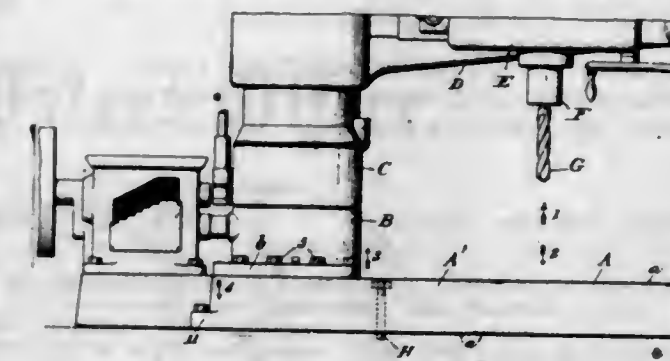


1. In a knife blade switch, two or more blades having positioning notches, a cross bar seated in said notches, each blade having lugs at the opposite edges of its notches angularly embedded in the opposite edges of said cross bar.

1,519,090. RADIAL-DRILL-BASE CONSTRUCTION. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 8, 1921. Serial No. 513,638. 4 Claims. (Cl. 77-28.)

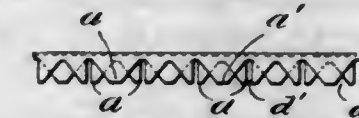
1. A radial drill combining a box type bed comprising integrally formed roof, side-wall and floor sections; a post supported upon said roof section; bolts securing said post to said bed; struts adjacent said bolts and

connecting said roof and floor sections for distributing to both the roof and floor the weight of said post; additional strengthening means, independent of said struts, connecting said roof and floor sections to distribute to both local strains in an upward direction caused by the



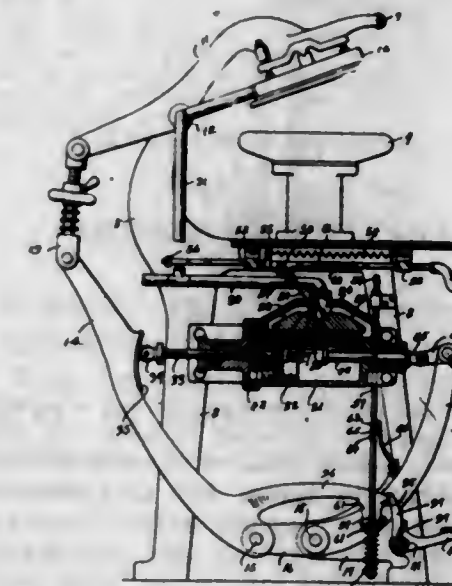
tendency of the post to overturn under the pressure of the drill on the work; and anchor bolts secured in the foundation of the machine and engaging the roof section to prevent upward deflection of the bed intermediate its ends.

1,519,091. SPLICING CLIP. CHARLES LEA, Boston, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 20, 1921. Serial No. 523,751. 4 Claims. (Cl. 28-47.)



1. A clip strip embracing in its construction a continuous strip of sheet metal formed into an elongated U-shaped trough each side of said trough being notched or cut away to form a series of notches for engaging the teeth of a feed wheel, and having between the adjacent tooth-engaging notches alternating tongues and tongue receiving recesses, the tongues on one side of the strip being disposed opposite the tongue-receiving recesses on the other side, the material between each tongue receiving recess and the adjacent tooth-engaging notches forming prongs off-set with relation to the aforesaid tongue, substantially as described.

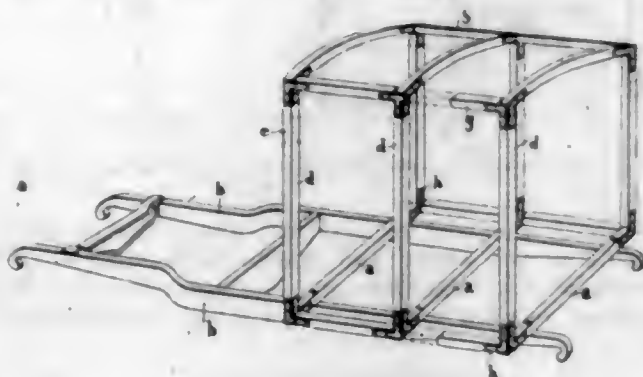
1,519,092. GARMENT PRESS. JAMES C. LEDBETTER, Brooklyn, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Oct. 27, 1923. Serial No. 671,122. 30 Claims. (Cl. 68-9.)



1. A pressing machine comprising in combination, co-operating pressing members adapted to open and close to effect pressing operations, an unbalanced press lever carrying one of the pressing members thereby permitting

the press to close by gravity, motor means arranged to open the press by power, means to hold the press open, means to trip the press enabling the press to close by gravity, and motor means to produce high compression after one pressing member has gravitated to the other.

1,519,093. ROAD-MOTOR-VEHICLE BODY. CHARLES TORRES WEYMANN, Paris, France. Filed Feb. 1, 1922. Serial No. 533,459. 7 Claims. (Cl. 296-28.)



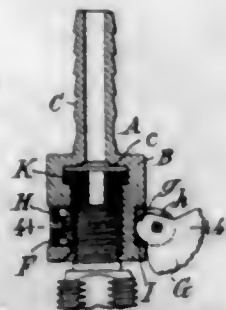
1. In a road motor vehicle body, constructed to weave with the chassis frame, the combination of a skeleton comprising a plurality of transverse vertical frames, each flexible or distortable in itself, and a flexible covering around the skeleton and permitting the transverse, vertical frames to sway and flex relative to each other.

1,519,094. METHOD AND APPARATUS FOR TREATING CURLED FIBER ROPE. PAUL E. WOLL, Philadelphia, Pa. Filed July 12, 1924. Serial No. 723,655. 12 Claims. (Cl. 19-66.)



1. The method of treating curled fiber rope which comprises untwisting the rope, giving a reverse twist thereto and releasing the fibers.

1,519,095. QUICK-ACTING PUMP COUPLING. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of Henry P. Kraft, deceased. Filed May 20, 1921. Serial No. 471,274. 2 Claims. (Cl. 285-150.)



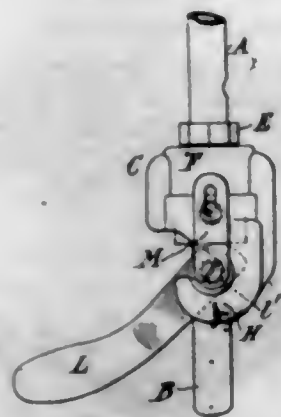
1. A pump coupling or the like, having a movable dog adapted to engage a threaded member to hold the coupling thereon, and a rotative member formed with a cam face adapted to engage and move said dog into engagement with the threaded member, said rotative member being movable about an axis arranged at right angles to the longitudinal axis of the pump coupling.

1,519,096. COUPLING FOR AIR CHUCKS. HENRY PHILLIP KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of Henry P. Kraft, deceased. Filed June 28, 1921. Serial No. 480,994. 1 Claim. (Cl. 285-86.)



A coupling for air chucks or the like comprising a hollow element adapted to carry a flexible hose, a shank member adapted to enter said element, a coupling sleeve loosely carried by the shank member and having a part adapted to engage the hollow element to force the shank member into leak-tight engagement therewith through the medium of the flexible hose, and cooperating means on the hollow element and shank member for preventing relative rotation between said parts during the coupling or uncoupling operation, said means being located beyond the engaging areas on the shank member and flexible hose.

1,519,097. PIPE COUPLING. HENRY P. KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of said Henry P. Kraft, deceased. Filed Nov. 10, 1922. Serial No. 600,038. 2 Claims. (Cl. 285-181.)



1. A coupling of the type described comprising a part having a seat and a part having a head adapted to enter said seat, a pair of depending ears on the first part between which the head, on the second part is adapted to longitudinally pass, said ears being hook-shaped in form to provide pivot bearings for a cam lever carried by the first part, said lever having pins adapted to be mounted on said pivot bearings so as to permit the lever to engage the head on the second part to force it into the seat on the first part and a pair of links pivotally mounted on the first part and connected to the pins on the lever to insure the proper positioning of the lever on the pivot bearings.

THE OFFICIAL GAZETTE

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CONTENTS.	Page.
ISSUE OF DECEMBER 16, 1924.....	533
INTERFERENCE NOTICES.....	533
ADJUDICATED PATENTS.....	533
APPLICATIONS UNDER EXAMINATION.....	534
COMMISSIONER'S DECISIONS—	
Ex parte Walrod.....	535
Ex parte Gouttoll.....	536
The Lay & Way Co. v. The Charles H. Scott Company.....	536
Lipson & Adelson v. Flynn.....	536
Cluett, Peabody & Co., Inc. v. Phillips-Jones Corporation.....	537
Cluett, Peabody & Co., Inc. v. Phillips-Jones Corporation.....	538
Lombard v. Kendig.....	539
DECISIONS OF THE U. S. COURTS—	
Larson v. Crowther.....	539
PATENT SUITS.....	545
ADVERSE DECISIONS IN INTERFERENCE.....	546
TRADE-MARKS PUBLISHED (280 APPLICATIONS).....	547
TRADE-MARK REGISTRATIONS GRANTED.....	547
LABELS.....	603
PRINTS.....	603
REISSUES.....	605
DESIGNS.....	607
PATENTS GRANTED.....	613

Issue of December 16, 1924.

Trade-Marks.....	320—No. 192,945 to No. 193,164, inclusive.
Labels.....	8—No. 27,928 to No. 27,935, inclusive.
Prints.....	20—No. 7,693 to No. 7,622, inclusive.
Reissues.....	7—No. 15,964 to No. 15,970, inclusive.
Designs.....	34—No. 66,220 to No. 66,253, inclusive.
Patents.....	900—No. 1,519,098 to No. 1,519,997, inclusive.
Total.....	1289

Interference Notices.

U. S. PATENT OFFICE, Washington, Nov. 18, 1924.

Seattle Pure Food Co. Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of North Pacific Co-Operative Berry Growers, Bell Street Dock, Seattle, Wash., for registration of a trade-mark and trade-mark registered January 15, 1907, No. 59,797, to Seattle Pure Food Co. Inc., Eighth Avenue south and Snoqualmie Street, Seattle, Wash., and a notice of such declaration sent by registered mail to said Seattle Pure Food Co. Inc. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Seattle Pure Food Co. Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 18, 1924.

Wolf Process Leather Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. Trautman & Company, 614 Main Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered April 17, 1906, No. 51,489, to Wolf Process Leather Company, Summerdale (Philadelphia), Pa., and a notice of such declaration sent by registered mail to said Wolf Process Leather Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless

said Wolf Process Leather Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Nov. 18, 1924.

Beinhauer Bros. Candy Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hagemeister Food Products Co., Green Bay, Wis., for registration of a trade-mark and trade-mark registered May 4, 1920, No. 131,035, to Beinhauer Bros. Candy Co., 220 West Forty-second Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Beinhauer Bros. Candy Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Beinhauer Bros. Candy Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Dec. 3, 1924.

The W. J. Barr Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Eureka Sales Company, 34 South Meridian Street, Indianapolis, Ind., for registration of a trade-mark and trade-mark registered November 6, 1906, No. 57,156, to The W. J. Barr Mfg. Co., 26 South Water Street, Cleveland, Ohio, and a notice of such declaration sent by registered mail to The W. J. Barr Mfg. Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The W. J. Barr Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

ADJUDICATED PATENTS.

(D. C. Mass.) The Libby patent, No. 968,576, for valve mechanism in cash-carrier system, claims 1 and 2 Held not infringed. *Lamson Co. v. E. T. Slattery Co.*, 1 F. (2d) 447.

(D. C. Mass.) The Libby patent, No. 968,576, for valve mechanism in open cash-carrier system, claims 1 and 2 Held valid and infringed. *Lamson Co. v. R. H. Stearns Co.*, 1 F. (2d) 448.

(D. C. Calif.) The Hoover patent, No. 1,191,306, for resilient-spring auto bumper, Held valid and infringed. *American Chain Co. v. Chester N. Weaver Co.*, 1 F. (2d) 590.

Condition of Applications Under Examination at Close of Business December 5, 1924.

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications pending action.
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	July 9	July 14	916
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	June 6	June 6	709
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 25	Oct. 1	174
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	May 16	Aug. 6	803
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	May 21	May 21	944
313	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	June 2	June 6	1,062
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	July 1	July 6	1,414
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	July 23	Sept. 10	1,245
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 24	Oct. 21	859
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	June 23	July 25	1,276
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Aug. 15	Aug. 23	837
380	12. PIERCE, P. F., Machine Elements.	July 5	July 2	867
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Apr. 28	May 15	1,066
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements; Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	July 2	Oct. 25	404
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	June 10	June 16	1,297
246*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	May 5	May 12	1,359
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 20	Sept. 2	715
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 5	Apr. 5	1,182
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 3	Sept. 8	833
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	June 9	June 9	1,128
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	June 14	Sept. 13	823
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	May 14	May 14	1,002
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanisms.	June 28	July 17	472
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	June 19	July 24	824
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Sept. 9	Sept. 20	672
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Apr. 8	May 27	802
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 3	July 22	953
225	28. BENSON, A. R., Internal-Combustion Engines.	June 13	July 9	1,048
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 1	May 14	1,153
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	June 12	Oct. 1	1,128
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	June 20	June 27	1,024
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	June 5	June 5	858
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	July 28	Aug. 1	1,027
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	July 7	July 14	662
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 18	Sept. 17	561
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	June 23	June 24	1,469
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	May 12	May 26	1,603
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	June 17	June 16	1,090
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	July 21	Aug. 1	610
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Apr. 24	Aug. 6	1,896
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	May 16	July 16	601
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Apr. 10	May 2	1,446
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Apr. 26	May 24	1,142
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	May 12	July 2	1,074
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	June 3	June 18	808
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	May 22	May 16	958
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	June 9	June 14	1,479
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Apr. 25	May 2	1,864
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	June 9	July 1	886
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Apr. 15	Apr. 21	1,699
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	May 20	May 10	2,234
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	July 20	Aug. 6	748
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 13	May 13	1,337
102	DESIGNS: C. O. MARKEHAM (Acting)	Oct. 22	Oct. 29	509
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks)	Nov. 5	Nov. 20	1,568
	Labels and Prints.	Oct. 18	Oct. 2	527

* Refers to room numbers in the annex.
534

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE WALROD.

Decided April 6, 1925.

FINAL REJECTION—REASONS FOR—ANALYSIS OF REFERENCES.

Where the claims were rejected several times on two references, with the explanation that it would not require invention to substitute the fastening means shown in one reference for those in the other, and there was nothing irregular in the final rejection; where the construction of the device was simple, as also that of the references; and where there was nothing in the record to show that applicant prior to the final rejection did not understand the references or the Examiner's view of them, a petition that the Examiner be instructed that the final rejection was premature and that he should analyze the references was denied.

ON PETITION.

Mr. Frank S. Appleman for the applicant.

KINNAN, First Assistant Commissioner:

Petition is taken that the Examiner be instructed that the final rejection of this application is premature and that he should analyze the references in order that applicant's attorney may fully understand the position of the Examiner with respect to the claims.

The record of the case shows that the claims under rejection were first rejected August 10, 1920, on two references, and it was explained that it would not require invention to substitute the fastening means shown in one reference for those in the other.

The applicant replied by an argument to the effect that, in his opinion, he had done something more than make the substitution set up by the Examiner and gave his explanation as to why he held this opinion. He said if the Examiner would apply the references and endeavor to read the claims with their limitations on the prior art he would observe material differences.

The Examiner replied by another rejection on February 5, 1921, stating his position somewhat more in full. He stated that this rejection could be taken as final, if desired.

On December 29, 1921, the applicant amended one of the claims to a slight extent and again argued on the nonapplicability of the references. He asked a reconsideration of the claims in view of the manifest error in the rejection and the vague reasons of record.

Final rejection was given the claims on January 21, 1922. No new references or reasons were given, the Examiner holding that the proposition involved was merely a substitution of one locking means for another, both of which were old.

A further request was made by the applicant for a more extended explanation, as it was thought by the applicant that the explanation given by the

Examiner was not such as would be relied upon by him to support the rejection if appeal were taken. An amendment was presented with an additional claim, which was refused entry by the Examiner for lack of a showing under rule 68. An interview appears to have been had; but it does not appear that any new reasons were advanced by the Examiner at the interview.

The year passed without appeal, and on February 27, 1923, the Examiner held the case abandoned.

The contention of the petitioner is that he can not agree with the Examiner on the proposition that the elements of the claims are in the prior art or that the claims are of such broad scope as to warrant the assertion that there is simply a substitution of one locking means for another.

It is suggested that the Examiner, if appeal were taken, would not submit a statement to the Board of Examiners in Chief limited to the thought set forth in his letter of January 21, 1922, or his action subsequent thereto.

There is nothing in the record to indicate the Examiner would not rely on the grounds previously stated to the applicant when he should write an answer to any appeal taken. If in such statement new reasons are discovered and advanced by the Examiner for the rejection of the claims, the applicant could elect to prosecute his appeal or to continue the prosecution before the Primary Examiner. *Ex parte Mevey*, 56 O. G. 805; 1891 C. D. 115; *Ex parte Dolan*, 99 O. G. 2321; 1902 C. D. 193; and *Ex parte Williams*, 116 O. G. 298; 1905 C. D. 154. If any question should arise as to whether statements made by the Examiner in an answer to an appeal amounted to "new reasons," the question might be reviewed on petition.

It thus appears that the applicant would have been fully protected in his rights by appealing within the year. He did not appeal, nor did he take this petition within the year from the final rejection. The record fails to show that there was anything irregular in the final rejection, no matter how erroneous the applicant considers it to be. The construction of the device of the application is simple, as also is that of the references. There is nothing in the record to show applicant, prior to the final rejection, did not understand the references or the Examiner's view as to them. The applicant merely did not agree with the Examiner's holding. This was a matter for review on appeal. A copy of the Examiner's answer to the appeal would have been mailed applicant long prior to the hearing on the appeal, and he would have had ample opportunity to have considered it.

The final rejection is not seen to have been premature, and the petition is accordingly denied.

EX PARTE GOURTOFF.

Decided November 28, 1924.

1. ABANDONMENT OF APPLICATION—NOTICE TO APPLICANT OF OFFICE ACTION—CONSTRUCTION OF SECTION 4894, REVISED STATUTES.

It can not be considered that notice of an Office action has been given the applicant under section 4894 when the Office is officially informed by a governmental agency that the notice was not delivered to the applicant.

2. SAME—SAME.

Where an Office action was mailed to the applicant at his address stated in the petition, returned to the Office stamped "Addressee unknown," and again mailed with a statement that it had been mailed before and returned, *Held* that the notice given by remailing the Office action, which was not returned, marked the beginning of the year within which the applicant could respond.

PETITION to revive.

Mr. Emanuel Scheyer for the applicant.

KINNAN, First Assistant Commissioner:

The statements made at the beginning of the amendment filed October 13, 1924, have been considered as a petition to revive the above-identified application. The question is thereby raised as to whether the record shows this case to have become abandoned.

The record discloses that an Office letter was mailed the applicant September 18, 1923, at his address stated in the petition, said address giving no street and number. This letter was returned to the Office stamped "Addressee unknown," was again mailed to the same address, and again returned stamped as before.

On October 5, 1923, a letter was received from the applicant giving a new post-office address, and on October 13, 1923, the Examiner again mailed the Office action of September 18 to the new address, stating it had been mailed twice before and returned.

The applicant presented a responsive amendment on October 13, 1924, and the question arises whether the original mailing date, September 18, 1923, or the remailing date of October 13, 1923, should control the running of the year.

The statute, 4894 Revised Statutes, provides that upon failure of the applicant to prosecute an application within one year after any action therein, of which notice shall have been given to the applicant, it shall be regarded as abandoned by the parties thereto, unless, etc.

[1] It cannot be considered that notice of an Office action has been given the applicant under section 4894 when the Office is officially informed by a governmental agency that the notice was not delivered to the applicant.

[2] It must follow, therefore, that the notice given in the instant case by remailing the Office action on October 13, 1923, which was not returned, marks the beginning of the year within which the applicant could respond. He did respond within that year, and consequently the application is held not to have become abandoned.

THE LAY & WAY CO. v. THE CHARLES H. SCOTT COMPANY.

Decided May 15, 1924.

1. TRADE-MARKS—"IDEAL."

The word "Ideal" is a proper trade-mark.

2. SAME—SAME—"SCOTT'S IDEAL"—DECEPTIVE SIMILARITY.

The use of the two marks "Ideal" and "Scott's Ideal" in trade is likely to cause confusion.

3. SAME—CANCELLATION—LONG USE OF MARK BY REGISTRANT WITHOUT OBJECTION—NONEXCLUSIVE USE.

Even if petitioner's conduct in allowing registrant to use its mark in trade for 15 years without objection has been sufficient to preclude its obtaining injunctive relief against registrant that does not give registrant exclusive use of the mark, and therefore registrant is not entitled to registration.

APPEAL from Examiner of Interferences.

Mr. Merrell E. Clark and Messrs. Dodge & Sons for The Lay & Way Co.

Messrs. Rummeler & Rummeler and Mr. George O. Shoemaker for The Charles H. Scott Company.

FENNING, Assistant Commissioner:

The Scott Company appeals from the action of the Examiner of Interferences granting a petition to cancel its trade-mark "Scott's Ideal," No. 156,051, registered June 13, 1922, for certain articles of wearing apparel.

The Lay & Way Co. has proved use of the mark "Ideal" on goods of the same descriptive properties from a date prior to use by registrant.

[1, 2] The decisions cited by petitioner for cancellation and by the Examiner of Interferences satisfy me that "Ideal" is a proper trade-mark. For the same reason I am satisfied that the use of the two marks here involved in trade is likely to cause confusion. Indeed, the petitioner's record shows confusion.

[3] Registrant endeavors to prevail by arguing that petitioner has lost the right to demand cancellation by allowing registrant to use its mark in trade for 15 years without objection. Even if such procedure on the part of petitioner has been sufficient to preclude its obtaining injunctive relief against registrant it does not give registrant exclusive use of the mark. If registrant has not exclusive use, it is not entitled to registration.

The decision of the Examiner of Interferences is affirmed.

LIPSON & ADELSON v. FLYNN.

Decided May 19, 1924.

1. TRADE-MARKS—OPPOSITION—OPPOSER MAY BE OWNER OF MARK ALTHOUGH MARK IS NOT REGISTRABLE.

Where the Examiner of Interferences dismissed the opposition on the ground that opposer did not own its mark, relying upon a decision which refused registration on the ground that the mark was merely a name, and hence prohibited from registration under section 5 of the act of 1905, but where there is nothing in that holding to show that opposer was not the owner of the mark, and the record in the present proceeding clearly indicates that it is the owner, the decision of the Examiner of Interferences was reversed.

2. SAME—"PEGGY ALICE"—"PEGGY PAIGE"—SIMILARITY—DOUBT RESOLVED AGAINST NEWCOMER.

Where there is doubt as to the similarity of the marks that doubt must be resolved against the newcomer.

APPEAL from Examiner of Interferences.

Mr. Morris Kirschstein for Lipson & Adelson.

Mr. Charles S. Gooding for Flynn.

FENNING, Assistant Commissioner:

Lipson & Adelson appeals from the decision of the Examiner of Interferences dismissing its opposition brought against an application for registration by Flynn of "Peggy Alice" as a trade-mark for children's gowns and dresses.

Opposer identifies its goods of the same descriptive properties by the trade-mark "Peggy Paige."

[1] The Examiner of Interferences dismissed the opposition on the ground that opposer did not own its mark, relying upon *Ex parte Lipson & Adelson*, 126 MS. Dec. 179, which refused registration on the ground that the mark was merely a name, and hence prohibited from registration under section 5 of the act of 1905. There is nothing in that holding to show that opposer was not the owner of the mark. The record here clearly indicates that it is the owner of the mark "Peggy Paige."

Applicant has taken no testimony, filed no brief, and took no part in the argument below nor on this appeal.

In *Garrett & Co., Inc. v. Sweet Valley Wine Co.*, 251 Fed. Rep. 371, the court held "Virginia Dare" and "Virginia Belle" too similar to exist together in the same market. It was pointed out there that "Virginia" was the important part of the mark.

The opposer's record here indicates that "Peggy" is the important part of its mark.

It seems to me that the reasoning of the court in *Goodrich Drug Company v. Cassada Manufacturing Company*, 1917 C. D. 33; 237 O. G. 918; 46 App. D. C. 146, must control this case. There the court reversed the Commissioner of Patents and held "Velvelite" and "Velvetina" descriptively similar when used on face powder.

[2] There may be in my mind some doubt as to the similarity of the present marks; but that doubt must be resolved against the newcomer for the protection of the public, as well as for the protection of the user. It seems to me probable that confusion will be brought about by the two marks here side by side in the trade.

The case is not free from difficulty, but where there is doubt the courts resolve it against the newcomer. The reason for this is, as has been said by this court more than once, that the field from which a person may select a trade-mark is practically unlimited and hence there is no excuse for his impinging upon or even closely approaching the mark of his business rival. Where he does so he is open to the suspicion that his purpose is to appropriate to himself some of the good will of his competitor. *Walke & Co. v. Schaefer & Co.*, 273 O. G. 630; 1920 C. D. 167; 49 App. D. C. 254; 263 Fed. 650.

The opposition must be sustained.

The Examiner of Interferences is reversed.

CLUETT, PEABODY & CO., INC., v. PHILLIPS-JONES CORPORATION.

Decided May 31, 1924.

TRADE-MARKS—OWNERSHIP OF MARK.

Where it is clear from a license agreement relating to patents that the entire business of manufacturing and selling collars is conducted and owned by the applicant for registration and that the trade-mark is associated with the business appurtenant thereto, so that at least the legal title to the mark belongs to applicant, and there is a provision in the license to the effect that when applicant ceases to manufacture collars under the patents it shall at the same time transfer the trade-mark appurtenant to the business to the licensor, *Held* that applicant has at least, so far as the license agreement is concerned, sufficient title to warrant registration of the mark to it.

ON PETITION.

Messrs. Roberts, Roberts & Cushman and Messrs. Cushman, Bryant & Darby for Cluett, Peabody & Co., Inc.

Messrs. Pennie, Davis, Marvin & Edmonds for Phillips-Jones Corporation.

FENNING, Assistant Commissioner:

Phillips-Jones Corporation filed an application July 22, 1922, for registration as a trade-mark for collars of a picture showing in silhouette the head of a man wearing a collar. Cluett, Peabody & Co., Inc., opposed the registration, which opposition was sustained by the Examiner of Interferences on March 26, 1924, and the appeal of the Phillips-Jones Corporation is set for hearing before the Commissioner next month.

Cluett, Peabody & Co., Inc., now petitions that the opposition be suspended and registration refused on the ground—

(1) that applicant is not the owner of the mark and (2) that the mark is unregistrable in view of its admitted use solely upon a patented article.

It appears that in June, 1922, one Van Heusen and Phillips-Jones Corporation brought a bill in equity, No. 24—34, in the United States District Court of the Southern District of New York against Earl & Wilson for the alleged infringement of five patents relating to collars, and in June, 1923, Van Heusen Products, Inc., and Phillips-Jones Corporation brought a similar bill in equity, No. 24—35, against Cluett, Peabody & Co., Inc., for infringement of the same patents.

The motion here is supported by an affidavit of counsel, to which is attached what is alleged to be copies of the pleadings, stipulations, depositions for defendants, and other papers which have been printed for use by the court in the two infringement suits that are conducted as a single suit.

It appears that there was introduced in that suit, at a date not shown, a certain license agreement relating to the patents in suit, which indicates that Van Heusen, the owner of the patents, gave an exclusive license to the Phillips-Jones Corporation under four of the patents in the suit. Paragraph IX of that license includes the following sentence:

The trade name or trade mark "Van Heusen Collar" and any and all trade names and trade marks, which shall be adopted or used in connection with the collars or any of them made under the said Letters Patent or any of them, shall be the property of the licensor (Van

Heusen) during the life of said Letters Patent or any of them, and in the event of the termination of the license or licenses under Letters Patent, granted in accordance herewith, during the life of said Letters Patent or any of them, shall be vested in the licensor and the licensee (Phillips-Jones Corporation) shall execute all such instruments, if any, as may be necessary to carry out the intent hereof.

From this sentence petitioner argues that Phillips-Jones Corporation is not the owner of the trade-mark sought to be registered here, which admittedly is used upon collars manufactured under the license agreement. If Phillips-Jones Corporation is not the owner of the trade-mark, registration must be refused. I am unable to reach that conclusion, however, from the license agreement. The quoted sentence in the license agreement may be inaptly drawn; but it is clear from the license as a whole that the entire business of manufacturing and selling collars is conducted and owned by the Phillips-Jones Corporation. It is clear that the trade-mark is associated with the business appurtenant thereto, so that at least the legal title to the marks belongs to Phillips-Jones Corporation. The intent of the sentence of the license quoted above is merely to provide that if and when Phillips-Jones Corporation ceases to manufacture collars under the patents it shall at the same time transfer the trade-mark appurtenant to the business relating to collars to Van Heusen. Phillips-Jones has at least, so far as the license agreement is concerned, sufficient title to warrant registration of the mark to it.

The petitioner before the Examiner of Interferences in this opposition filed a brief raising a second issue which it endeavors to raise on this petition—namely, that the mark is unregistrable in view of its use solely upon a patented article. That issue should not be considered at the present time.

I have considerable doubt whether the petition on its face presents such extraordinary circumstances that supervisory authority should be invoked, and it might have been proper to refuse to consider the petition on that ground. It has seemed better, however, to go into the merits of the matter.

The petition is denied.

CLUETT, PEABODY & CO., INC., v. PHILLIPS-JONES CORPORATION.

Decided June 14, 1924.

1. TRADE-MARKS—OPPOSITION—REPRESENTATION OF MAN'S HEAD WITH COLLAR AND NECKTIE—NOT DISTINCTIVE.

Where a trade-mark for collars consists of the representation in silhouette of a man's head and a collar and necktie in an oval black background, it is beyond belief that the ordinary purchaser, including the educated and the uneducated, will notice a slight difference in the shape of the collar or the contour of the head.

2. SAME—SAME—SAME—DESCRIPTIVE.

Where one of applicant's advertisements shows three of its silhouette heads, all identical, except that each is provided with a different style of applicant's collar, each style's name being associated with the respective picture which shows that style, and where one of applicant's witnesses testified that the representation of a head with collar and tie attached was adopted

because it was necessary to have a device that would show the collar as worn, *Held* that no further testimony should be necessary to prove descriptiveness of applicant's mark.

APPEAL from Examiner of Interferences.

Messrs. Roberts, Roberts & Cushman and Messrs. Cushman, Bryant & Darby for Cluett, Peabody & Co., Inc.

Messrs. Pennie, Davis, Marvin & Edmonds for Phillips-Jones Corporation. (Mr. W. Brown Morton and Mr. Geo. J. Hesselman of counsel.)

FENNING, Assistant Commissioner:

Phillips-Jones Corporation appeals from the action of the Examiner of Interferences in sustaining an opposition brought against its application to register as a trade-mark for collars the representation in silhouette of a man's head and a collar and necktie in an oval black background.

Cluett, Peabody & Co., Inc., oppose the registration of this mark on the ground that is deceptively similar to a picture which they have employed in a descriptive manner on packages of collars made by them, as well as in advertisements of such collars. It is also alleged that the use of the picture of the head of a man with a collar and necktie in colors and in black and white is common in the collar trade. It appears that prior to applicant's use of the mark opposer and others had used the picture of the head of a man, together with a collar and necktie in colors, in black and white, and in silhouette.

[1] Applicant urges that its picture is distinctive. I am unable to believe, however, that the ordinary purchaser, including the educated and the uneducated, will notice the slight difference in the shape of the collar or the contour of the head.

Mr. Phillips, witness for applicant, says:

We have found changes necessary as we went on, but throughout all our advertisements we have always stuck to the large issue of the silhouette itself. That is unmistakable, and whether it turns to the right or to the left or whether there is a slight change, or any change in the collar itself, the silhouette could never be mistaken, in our opinion, for the advertisement of any competitor. We have applied for registration for the trade mark silhouette and it is our intention to stick to use only the trade mark or the form that we apply for.

It is obvious from this and other testimony in the record that applicant believes its trade-mark to distinguish from other marks merely by being made in silhouette; but, as already pointed out, the silhouette broadly is not new.

Opposer urges that the applicant's mark is merely descriptive, and therefore must be refused registration, relying upon *In re The Moir Tire and Rubber Company*, 1913 C. D. 459; 193 O. G. 513; 40 App. D. C. 487, and other cases. There the court held that—

... the representation of a rim for a tire with a tire thereon, even though the tire be disclaimed, is not registrable as a trade mark, for the reason that no manufacturer should be prevented from representing to the public the manner in which his goods are used.

Other similar cases are referred to in *ex parte Scott Paper Company*, 1922 C. D. S; 297 O. G. 587.

Applicant, however, replies:

It is true the representation of a man's head as used by applicant has a collar attached thereto, but the collar is a minor feature and would not be singled out as the

thing which would impress itself upon the public mind. The man's head in silhouette is the outstanding feature and is obviously the thing that would be remembered. No one would speak of applicant's mark as the representation of a collar, with a head attached; but would obviously refer to it as a man's head with a collar attached. Sometimes, in advertising, the man's head has been shown wearing the particular style of collar featured by the advertisement, but these slight differences in the shape of the collar in no wise affect the integrity and general appearance of the mark, which always shows the same distinctive silhouette head.

The importance of the collar in the picture of the mark, however, is emphasized in an advertisement in the Saturday Evening Post of July 21, 1923, opposer's Exhibit 24 A, in which three of its silhouette heads are shown, all identical, except that each is provided with a different style of applicant's collar, each style's name being directly associated with the respective picture which illustrates that style. The interest of the trade in the collar shown in the applicant's mark is further illustrated by the testimony of the witnesses comparing the silhouette head, collar, and tie in the Earle & Wilson advertisement, opposer's Exhibit 18 A, with their recollection of applicant's mark. See Phillips-Jones' record, pages 44 and 45 (Ostroff, X Qs. 5 to 10) and pages 56 and 57 (Blissell, X Qs. 1 and 2). While it is true that these witnesses are from the trade, interested in and thoroughly familiar with applicant's mark, it is clear that their uncertainty will be magnified into confusion in the minds of the ordinary purchaser.

Applicant's witness Wallerstein in charge of its advertising said:

Q. 13. Why did you adopt the representation of a head with collar and tie attached in making your selection?

A. Because it was necessary to have a device that would show the article as worn.

[2] No further testimony should be necessary to prove descriptiveness of applicant's mark, and in view of this the holdings in the cases relied upon by applicant are not of significance. I am unable to believe under the circumstances of this case that the collar in applicant's mark is of such secondary importance that it readily sinks into insignificance.

In view of this we must refuse registration to applicant's mark, and the opposition must be sustained.

The Examiner of Interferences is affirmed.

LOMBARD v. KENDIG.

Decided October 10, 1924.

INTERFERENCE—RIGHT TO MAKE CLAIMS—QUESTION POSTPONED UNTIL FINAL HEARING.

Where K. copied claims 1, 2, and 3 from L's patent and the question of K's right to make claims 2 and 3 was speculative and dependent upon the construction and operation of the device of his application, and where the interference must in any event proceed as to claim 1 of the L. patent and L. declared his intention of contesting K's right to make the claims at final hearing, it was *Ordered* that the interference proceed and that the determination of K's right to make claims 2 and 3 of L's patent be deferred until final hearing.

APPEAL from Examiners in Chief.

Messrs. Southgate & Southgate for Lombard. Mr. Julian H. Kendig pro se.

FENNING, Assistant Commissioner:

Kendig appeals from the action of the Examiners in Chief affirming the Law Examiner in holding that he has no right to make counts 2 and 3. These are claims 2 and 3 of the Lombard patent, No. 1,411,286.

The question of Kendig's right to make the claims is dependent upon the construction and operation of the device of his application. We are embarrassed in the consideration of that matter here and must go into speculation, since we have no definite testimony as to operation. The interference must proceed on the issue already determined, including claim 1 of the Lombard patent. Lombard says that he will at final hearing contest Kendig's right to make those counts of the interference which have been allowed, to him. Under these circumstances it is clear that the issue of the interference and testimony taken will help us in determining whether Kendig has the right to make the counts here in issue. This procedure is particularly appropriate in the present instance, since I am unable to satisfy myself that Kendig has not the right to make counts 2 and 3.

It is ordered, therefore, that the interference proceed, retaining counts 2 and 3 in the issue, and that the determination of Kendig's right to make those counts be deferred until final hearing, at which time the testimony taken in the case will give us further light on the matter.

Court of Appeals of the District of Columbia.

LARSON v. CROWTHER.

Nos. 1,656 and 1,657. Decided October 6, 1924.

1. INTERFERENCE—TESTIMONY—PROBABILITY OF STATEMENTS AS TO DISCOVERY OF INVENTION.

Where L., a trained scientist and bacteriologist, testified to facts showing that he arrived at his conception step by step and after long, tedious, and expensive experiments, while C., a skilled mechanic with no knowledge of bacteria or of their absorption of gases, claimed that he conceived unaided and without experimentation their destruction by suddenly releasing gas pressure imposed upon them, *Held* that the contention of the former bears the indicia of probability and of truth and that of the other is highly impossible, if not incredible.

2. SAME—ORIGINALITY—EMPLOYER AND EMPLOYEE.

Where C. was assigned to the duty of making apparatus required by L. for his experiments, *Held* that the relation between the parties imposed upon C., notwithstanding his status as senior party, the burden of proving by competent credible evidence that the conception definitely evolved by those experiments was his and not that of his employer.

Mr. W. G. Henderson and Mr. A. C. Paul for Larson.

Mr. David Crowther and Mr. F. A. Whiteley for Crowther.

SMITH J.:

Winford P. Larson in March, 1918, applied to the Patent Office for a patent on a process and apparatus for the destruction of bacteria and the production of material for the making of vaccines. The applications were declared by the Patent Office on the 25th of June, 1918, to be in inter-

ference with applications to patent similar inventions filed by David Crowther in January and February, 1918. Upon the preliminary statement and evidence submitted by the parties to the interferences the Examiner of Interferences rendered a decision on June 10, 1919, awarding priority of invention for the apparatus to David Crowther, the senior party.

On appeal that decision was reversed on the 23rd of December, 1919, by Examiners in Chief Fairfax Bayard, Frank C. Skinner and R. E. Marine, who held that Larson was entitled to patent both process and apparatus.

Crowther appealed to the Commissioner of Patents and asked that the matter be remanded to the Examiner of Interferences with instructions to reopen the case for the introduction of further evidence and for the determination of the rights of the parties to both process and apparatus.

After consolidating the process and apparatus interferences and after a trial of the issues involved, the Examiner of Interferences on the 14th of May, 1921, again awarded priority of invention for process and apparatus to the senior party, David Crowther. That decision was affirmed by Examiners in Chief, R. E. Marine, S. E. Fouts and Sidney F. Smith on the 17th of October, 1922, and their decision was affirmed on appeal by the Commissioner of Patents.

From the decisions of the Commissioner of Patents Larson appealed to this Court.

The facts as contended for by Larson.

In 1913, 1914 and 1915, Dr. Thomas Bradford Hartzell, professor of mouth infections in the school of medicine and professor of oral surgery in the school of dentistry in the University of Minnesota, engaged in research work for the purpose of determining whether kidney, heart and human-joint inflammations were caused by pathogenic bacteria of the mouth and teeth. Dr. Hartzell endeavored to extract for his experiments the "juices" of living bacteria by means of heat, but found that that means produced a chemical change in the "juices" which rendered them unfit for his purposes, and that suitable material for his investigations must be derived from the bacteria by some other method. Not being well versed in bacteriology, he sought in 1916 the assistance of Dr. Winford P. Larson, who was an eminent bacteriologist. At that time Dr. Larson was professor of bacteriology and immunology in the University of Minnesota and was then engaged in a series of experiments for the purpose of determining the efficiency of vaccines injected into animals and human beings for protective or for therapeutic purposes.

The valuable element of vaccines is the protoplasm which is contained in the cells of pathogenic bacteria and which as the important component of vaccines excites the production of antibodies to battle with the particular form of disease carried by the protoplasm when introduced into the animal system. Dr. Larson's experiments proved that when dead bacteria of vaccines were injected into

the blood of an animal or human being, the phagocytes, or white blood corpuscles immediately surrounded and devoured the bodies of the bacteria before the release of the protoplasm from the bacterial cells, thus minimizing or destroying the usefulness of the vaccines for the development of the active immunizing agencies known as antibodies. In other words, the white corpuscles did away with the bacteria so quickly that the protoplasm had no opportunity to act and therefore failed to provoke the creation of the antibodies which conferred immunity.

Dr. Hartzell and Dr. Larson were therefore equally interested in securing the unmodified protoplasm of living bacteria, the one for the purpose of establishing that certain bacteria caused certain diseases and the other for the purpose of producing a medium which would give immunity against the same or other diseases. Dr. Larson knew that bacteriologists had tried to make vaccines more effective by shaking the bacteria with glass beads, which treatment it was thought would break the cells and release the protoplasm. He was aware that that method of securing the protoplasm of live bacteria had been only moderately successful inasmuch as it failed in large measure to break up the protoplasmic cells.

Dr. Larson thought that the bacteria could be more effectively disrupted by first freezing them and then grinding them in a ball grinder which was purchased out of university funds in October, 1916. The freezing and grinding process did not succeed and Dr. Hartzell requested the university to assign David Crowther to the duty of making equipment required by Dr. Larson and himself. At the request of Drs. Larson and Hartzell, Crowther made a small metal cylinder provided with a plate having a groove around its outer edge. Bacteria mixed with infusorial earth were placed in the cylinder and subjected to hydraulic pressure in a Buchner press. Dr. Larson was of the opinion that the pressure would reduce the bacteria from a corpuscular to a colloidal or jellylike form which would escape immediate consumption by the phagocytes. The pressure of the Buchner press was not sufficient however to crush the bacteria and the desired result was not achieved.

Crowther then bored a hole in a piece of common steel and after closing one end of the hole with a steel wedge, he ground a steel piston to fit the hole. Bacteria mixed with infusorial earth were placed in a lead cartridge which was inverted and put into the steel cylinder. The lead cartridge so placed and resting on a lead disk which effected a perfect closure, was then subjected by a powerful press to a pressure of 50,000 pounds per square inch. That pressure forced the cylinder to give way, but did not kill the bacteria.

Professor Hoyt of the school of mines was then called into consultation and he suggested that the cylinder be made of nickel chrome steel and he agreed after the steel bar had been bored, to

temper the metal so that it would resist a pressure of 225,000 pounds per square inch. The nickel chrome steel was bought on February 13, 1917, and at the request of Dr. Larson, Crowther bored it and fitted it with a piston in accordance with instructions from Doctor Larson. The device was then sent to Professor Hoyt to be tempered and was returned to Doctor Larson on or about the 15th of February, 1917, fitted with a plunger or piston and ready for use.

In the nickel-chrome-steel tube bacteria were subjected to a pressure of 100,000 pounds for 14 hours with the result that the bacteria were killed and disrupted, but whether that effect was caused by the pressure or its sudden release remained to be determined. Doctor Larson thought that possibly the air in the bacteria had been greatly compressed and that the release of the pressure brought about a sudden expansion of the air which broke up the cells of the bacteria and accomplished their death. To put that theory to the test Doctor Larson decided to expose the bacteria to the pressure of carbon-dioxide gas which he knew was absorbed more readily than air by liquids. Mr. Crowther then made according to Doctor Larson's instructions a container with a suitable coupling which could be attached to a carbon-dioxide tank in Doctor Larson's department, and in that container living bacteria suspended in distilled water were subjected to the pressure of carbon-dioxide gas. The pressure was then suddenly released with the result that the distilled water containing the bacteria was violently driven out of the container with the exception of a single drop, which, when examined, was found to contain dead and no living bacteria. After experimenting with several devices to prevent the escape of the bacterial mass into the carbon-dioxide tank or onto the floor, Mr. Crowther was instructed by Doctor Larson to make another container with a second chamber into which the bacteria could be driven on the release of the pressure and thereby preserved for examination and use.

With that apparatus all bacteria except spores and yeast cells were destroyed when exposed for 1½ to 2½ hours to the action of carbon dioxide having a pressure of about 1,000 pounds per square inch at room temperature. Any pressure below 600 pounds per square inch was not effective. Doctor Larson was not certain however as to whether the bacteria were destroyed by the acidity or by the sudden expansion of the gas. Accordingly he directed Crowther to prepare an apparatus which would test the effect of the acidity of carbon dioxide on the bacteria and that apparatus was made by Crowther in accordance with Larson's instructions. By means of that apparatus it was found that the bacteria were not affected by the acidity of the gas.

In order to account for the apparatus requisitioned by Doctor Larson and for moneys expended, Crowther at the request of Doctor Hartzell made a report to him and to Doctor Larson of the several devices constructed by him. The carbon-diox-

ide apparatus and a statement of the results accomplished by it, were submitted by Dr. Larson to the department of pathology and bacteriology at the seminar held in April or May, 1917.

During the autumn of 1917, Dr. Larson wrote an article describing his process of making vaccines and the apparatus designed to disrupt the cells of bacteria in order to secure the protoplasm necessary for the production of a successful vaccine. That article which was received by the Journal of Infectious Diseases on the 30th of December, 1917, and published in March, 1918, pointed out that a pressure of 6,000 atmospheres was required to destroy nonspore-forming organisms unless such organisms were impregnated with gas. A pressure of only 50 atmospheres accomplished the same result if the bacteria were impregnated with carbon dioxide and the pressure was suddenly released. According to Doctor Larson's article carbon dioxide because of its absorption in considerable quantities by liquids was the ideal gas for killing bacteria and the breaking up of the cells thereof. Other gases which were not as freely absorbed by liquids required the application of a much higher pressure than 50 atmospheres to secure the effect produced by using carbon dioxide.

The ethics of the medical profession barred Doctor Larson from patenting the results of research work which would be of benefit to humanity and he therefore did not apply for a patent. Indeed, he seems to have had no idea of applying for a patent until Crowther notified him sometime in 1918 that he had a "master patent" on the apparatus and that unless Larson obtained for him a larger salary from the university he would exercise his patent rights and stop further experimentation by Larson with the apparatus. Larson replied that Crowther's demand was little short of blackmail and immediately took the matter up with the president of the university and with Dean Vance of the law school. In accordance with the advice given to him by Dean Vance he protested to the Commissioner of Patents against the issuance of a patent to Crowther and was informed by the Patent Office that his only recourse was to apply for a patent himself in order that an interference might be declared. With the approval of the president of the university and Dean Owre, he applied for a patent, with the understanding that should the patent be granted, it would be made free to the world, and that all business and patent rights acquired by him to process or device would be turned over to the National Dental Research Association, which had financed in a measure his investigations.

The facts as contended for by appellee.

David Crowther was educated at the Huddersfield Technical School in England and was employed by the University of Minnesota in 1909 to design and make electrical equipment, electric vacuum furnaces and special appliances for the department of chemistry of the university. In 1911 he was appointed instructor in dental me-

chanics and assigned to the college of dentistry of the university, but continued to construct equipment, apparatus and appliances required by the several departments of the university.

In 1907 Crowther was informed by divers on the dock of Liverpool that their lives would be endangered if they were drawn too quickly to the surface of the water. Crowther reasoned that "difference in expansion of the bodies that causes their destruction" made a sudden withdrawal dangerous to the divers and that the force which would destroy a diver would "in greater magnitude" prove destructive to other forms of life. By differences in expansion he meant that the body had been subjected to pressure by being withdrawn quickly; the volume increased rapidly and destroyed the life of the diver.

As a result of his conversation with the divers Crowther in 1912 conceived the idea of destroying bacteria by pressure. When he first took up the idea he proposed to saturate milk with compressed air or carbon dioxide and by suddenly withdrawing the milk from the tank into a reservoir destroy the bacteria. Crowther testified that some bacteria are destroyed by the acidity of carbon dioxide, but utterly failed to explain how he knew that the bacteria of milk would be destroyed by the expansion of that gas rather than by its acidity.

Crowther's theory of destroying bacteria in food-stuffs by the expansion of gases was discussed by him with Dr. Earle Hare, Dr. Charles A. Griffith and Professor Francis C. Frary, but when such discussions took place, Crowther did not say. At one point in his testimony Crowther stated that in 1912, he had tried to construct an apparatus designed to carry out his theory, but subsequently acknowledged that he did not construct any such apparatus until 1916, and that prior to that year he had made only drawings or sketches of a *practical machine* for sterilizing milk. That machine he says consisted of a cylinder to contain the milk, a carbon-dioxide tank to furnish gas and a reservoir into which the milk could be withdrawn after exposure to the gas. None of those finished sketchings, or drawings was preserved and so far as the record discloses they were shown to no one except his son William E. Crowther, who in 1912 was about 12 years of age. In his preliminary statement Crowther under oath declared that he conceived the apparatus for the destruction of bacteria and disclosed his invention to others on or about the first of June, 1917. That statement can hardly be reconciled with his testimony that he made drawings and sketches of a practical machine prior to 1916.

Crowther admitted that in the fall of 1916, he was requested by Drs. Larson and Hartzell to construct an apparatus which would squeeze out the "juices" of bacteria and that he had constructed 11 or 12 devices to accomplish that purpose by direct pressure. He twice endeavored to break up the organisms by grinding them, once between the sharp edges of a steel cylinder and a

steel plate. None of these devices was designed to be used with carbon dioxide and not one of them was a success. He then returned to his original idea of destroying the organisms by direct pressure and having constructed a cylinder of nickel chrome steel he subjected the bacteria placed therein, to a pressure of 100,000 pounds for 14 hours. That pressure continued for that length of time destroyed the bacteria. He then for the first time made a steel cylinder to contain the bacteria and provided a means for connecting it with a carbon-dioxide tank. He says he decided to use carbon dioxide as it was the most suitable means he could think of for saturating the liquid and *had very little if any chemical action*, although he had previously testified that the acidity of that gas was sufficient to kill some bacteria and made no experiments to determine what bacteria would be destroyed by such acidity.

While the chrome-steel apparatus destroyed the bacteria, it wasted nearly all of the sought-for material when the pressure was suddenly withdrawn. Crowther then added to the apparatus a chamber into which on the opening of a needle valve the bacterial mass would be forced by pressure of the carbon dioxide and there preserved for use. Crowther was positive that he had conceived the necessity of such a chamber in 1912.

He testified that he reached his conclusion as to the efficiency of carbon dioxide by exposing Para rubber to its pressure and that he had a carbon-dioxide tank in his room with which to make the experiment.

On cross-examination he said he *thought* that he had made the rubber tests with a carbon-dioxide tank and other apparatus in February or March, 1917. Later, on cross-examination, he stated that the tests were made probably about March or April, 1918. After Doctor Griffith had testified that the experiments had taken place in March or April, 1917, Crowther was recalled for further cross-examination and stated that he could not recall the dates of the experiments made by him on meat and rubber with carbon-dioxide gas. In other words, he could not remember whether he made the experiments 9 months or 21 months before he gave his testimony. Why he tested the efficiency of carbon dioxide as late as 1917 and 1918 when he claims to have been fully aware of its efficiency in 1912, is not explained.

On cross-examination Crowther also stated that the carbon-dioxide device remained in his room during the whole time that it was in use and that the university had furnished him with a carbon-dioxide tank, a nitrogen tank and an oxygen tank for experiments with the carbon-dioxide machine. Subsequently he declared that Doctor Larson had the carbon-dioxide apparatus in his department where he used it to experiment on different kinds of organisms. When asked who brought the tanks to his room, Crowther evaded the question and answered that he had in his room *compressed air* with a pressure of 80 pounds. Disinterested wit-

nesses on the part of the university testified positively that the university did not furnish any tanks containing carbon dioxide to Crowther and that the only carbon-dioxide tank sent to his room was an empty one. Crowther did not meet that challenge made to his claim that the university had delivered to his room a filled tank of carbon dioxide.

Crowther asserted that with the exception of a perforated cylinder no suggestion was made to him by either Dr. Larson or Dr. Hartzell as to any of the apparatus required by them and that he was entirely free to construct any device which he thought would accomplish the result which they desired.

Crowther made a report to Dr. Hartzell of all apparatus constructed by him for Drs. Larson and Hartzell and fixes the date of that report as October, 1917. In that report referring to the making of the first dioxide machine and to the remedying of its defects, Crowther made use of the following language:

I then suggested the idea that if we could saturate the moisture contained in the germ with an inert gas and allow the gas to expand suddenly an effectual bursting of the germ would be the result.

All the time we were getting good results, so far as destroying the germs, but were not sure that it was purely physical and not due to the chemical action of the CO₂ in solution. We must have some better way of allowing the gas to expand and not losing the liquid. This problem was not so easy. However, I conceived the idea that it did not matter if the solution was allowed to be liberated slowly or all at once.

In the part of the report first quoted, the word "suggested" was substituted for the word "conceived" which was erased.

Doctor Hare testified that in the fall of 1912, Crowther talked with him about a method of destroying bacteria in milk by submitting it to carbon-dioxide gas at a very high pressure, and that Crowther at the time made a little sketch illustrative of his idea. At that time according to Hare, Crowther *who was not a bacteriologist went into the physics of the destruction of the organisms by saturation with carbon dioxide and explained that the capsules or envelope of the bacteria would be penetrated by the gas under pressure which pressure when suddenly released would result in a rapid expansion of the gas that would break up the organisms and was sure that the treating of milk with carbon dioxide under pressure would destroy all the organisms and preserve the milk indefinitely.*

Dr. Hare knew of no effort on the part of Crowther to put his ideas into effect between 1912 and 1916. The first apparatus constructed by Crowther for the killing of bacteria was seen by Dr. Hare in November or December, 1916, after Crowther began to make equipment for Drs. Larson and Hartzell. That apparatus operated on the bacteria by direct pressure and did not use carbon dioxide. The machine seen by Dr. Hare was not made to kill bacteria in milk or food products, but was intended to solve quite a different problem—the killing of pathogenic bacteria. At the time Hare saw that apparatus he knew Crowther was working with Drs. Larson and Hartzell.

Doctor Griffith's testimony was to the effect that Crowther said to him in 1913: "Doc how would it be to kill the bugs by hitting them on the head." By that expression Crowther later explained that he meant the exertion of *high pressure* which when immediately released would kill bacteria "by the expansion in the bodies." At this interview Crowther made no mention to Griffith of the use of carbon-dioxide gas or any other gas. In a subsequent conversation he told Dr. Griffith that he was going to sterilize milk by placing it in a container and subjecting it to gas pressure, which pressure would be released by permitting the escaping of the gas into another container thereby sterilizing the product. Griffith did not state when the last-mentioned interview took place and for all that appears from his testimony it may have occurred after Crowther began to make equipment and apparatus for Dr. Larson. It should also be noted that Crowther made no mention to Dr. Griffith of carbon dioxide as the gas which he intended to use. Dr. Griffith testified that in March or April, 1917, he saw in Crowther's room tanks of carbon dioxide and of oxygen and hydrogen with which Crowther was experimenting on meat and rubber.

Dr. Francis Frary was not produced as a witness.

William E. Crowther, son of David Crowther, testified that in 1912 he saw designs for an apparatus for the sterilization of milk which designs called for a tank to contain the milk; a tank to contain oxygen or compressed air, compressed to about 15000 pounds, a large tank into which the milk would be forced after saturation and pipes connecting the gas tank with the saturating tank and the saturating tank with the large tank in which the milk was to be forced and held until wanted.

A careful analysis of the foregoing evidence submitted by the parties to this appeal satisfies us that the original decision by the Board of Examiners in Chief was correct and that the decision of the Commissioner of Patents can not be sustained.

Because of his conversation with the divers Crowther may have had and probably did have some idea of destroying bacteria in milk and food products by imposing a high pressure thereon and then suddenly releasing it, but that he ever conceived that the bacteria would be destroyed by impregnating milk or food products with gas under pressure and then suddenly releasing the pressure, taxes our credulity.

Crowther was not a bacteriologist and in 1912, had at best only a limited knowledge of chemistry. If he had known anything about bacteria, he would have known that their bodies disintegrated by pressure could not be left in milk or food products without rendering the disease-bearing protoplasm more effective and that instead of sterilizing foods his process would make them more dangerous for human use.

The conversation with the divers in 1907 did not suggest that carbon dioxide could be used to de-

stroy bacteria and in our opinion that conversation gave rise to no conception in the mind of Crowther other than that destruction of life would follow the sudden release of great direct pressure. In his direct examination he did not say that the death of divers too quickly withdrawn from the water was caused by the sudden expansion of air or gas which ruptured the cells of their bodies. He attributed the death of the divers "to the differences in expansion of the bodies that causes their destruction." His theory was that "the body had been subjected to pressure by being withdrawn quickly; the volume increased rapidly and destroyed the life of the diver." He said nothing about exploding the cells or the bursting of blood vessels or tissues by the sudden expansion of air or gas, and if he had, the testimony is uncontradicted that the death of divers and caisson workers, suddenly relieved of pressure is not caused in that way.

There was nothing in the education, training or experience of Crowther in 1912 which gave him any information as to the make-up of bacteria or the effect of gases on them and without study or examination he could not well have evolved the precise certain method of disrupting microscopical organisms which he claims to have conceived. For all that Crowther knew the cellular envelopes of bacteria were impervious to air or gas and therefore he could not know or even reasonably assume that the cells would be impregnated with gas and broken up by suddenly releasing the gas pressure. Moreover, he claimed that he knew that carbon dioxide had an acid value which would destroy some bacteria, but what bacteria would be so affected he did not know. If that was the extent of his knowledge, he certainly could not know without experimentation whether the bacteria of milk would be destroyed by the chemical action of carbon dioxide or by the sudden physical expansion of the gas.

The fact that Dr. Larson, a trained scientist, thoroughly acquainted with the make-up of bacteria, sought to disrupt the bacteria by direct pressure and by grinding them and did not reach a conclusion that they could be broken up by the sudden expansion of carbon-dioxide gas until after a long series of experiments, renders it highly improbable that Crowther, who was not a bacteriologist, and who had no education or training as to the effect of gases on bacteria, conceived in 1912, without experimentation of any kind that the cells of such organisms could be saturated with gas under pressure and the organisms disrupted by the sudden release of the pressure.

The improbability of such a conception by Crowther is further emphasized by the fact that after his engagement to make apparatus for Larson, he knowing since 1912 as he claims that bacteria could be destroyed by gas pressure made 11 or 12 devices to break them up by direct pressure and two machines to disrupt them by grinding. Crowther says he made all of these devices as well as

those for testing the acidity of carbon dioxide without any suggestion whatever from Larson, and that he was perfectly free to make any appliance which he thought would disintegrate the organisms. And yet knowing since 1912 that that result could be accomplished by using carbon dioxide, he never made any gas-pressure apparatus until the spring of 1917 and never according to his own story suggested the making of one until after the testing of the chrome-steel direct-pressure machine. Strange to say, that was just the time when Larson says he conceived the idea that the bacteria killed in that machine might not have been destroyed by direct pressure, but by the sudden expansion of air compressed in the bacterial cells, and instructed Crowther to make the first carbon-dioxide device for the purpose of putting his conjecture to the proof.

[1] That Larson, the trained scientist and bacteriologist arrived at his conception step by step and after long tedious and expensive experiments, bears the indicia of probability and of truth. That Crowther, the skilled mechanic with no knowledge of bacteria or of their absorption of gases conceived unaided and without experimentation their destruction by suddenly releasing gas pressure, imposed upon them, simply means the plucking of that conception out of the blue. That he did so we consider highly improbable, if not incredible.

[2] But however that may be Crowther was assigned to the duty of making apparatus required by Larson for his experiments and that relation between the parties imposed upon Crowther, notwithstanding his status as senior party, the burden of proving by competent credible evidence that the conception definitely evolved by those experiments was his and not that of his employer. *Winslow v. Austin*, 14 App. D. C., 137, 143, 144; 86 O. G. 2171; 1899 C. D. 301.

Apparatus and mechanical devices must be made for the purpose of experimentation to determine the feasibility of abstract conceptions and the modifications thereof if any which should be made. Inventors who are not skilled mechanics, must employ those who are to do that class of work. The mechanic must know what the inventor wants and of necessity the latter must acquaint the former with the objective sought and the inventor's conception of the method of reaching it.

The relation between mechanic and inventor is therefore one of high trust and confidence and the inventor must be reasonably safeguarded against a betrayal of the faith reposed by him in his employee and against a misuse of information confidentially acquired. Because of that relation it is prima facie but strongly presumed that the employer not his mechanic is entitled to patent the invention evolved. Consequently in any dispute between them as to which of them originated a patentable conception, the duty devolves on the mechanic to establish by a clear preponderance of competent credible and satisfactory evidence that the invention was his and not that of his employer.

Miller v. Kelly, 18 App. D. C., 163, 171; 96 O. G., 1038; 1901 C. D., 405; *Braunstein v. Holmes*, 30 App. D. C., 328; 133 O. G., 1937; 1908 C. D., 341.

Crowther did not overcome the presumption against him and the evidence submitted by him to the tribunals of the Patent Office was not of the kind which the law exacts.

In his preliminary statement Crowther declared under oath that he conceived the carbon-dioxide device on or about June 1, 1917, and that he first made drawings thereof on or about the 9th day of January, 1918. When he was called on however to give testimony in the interference proceedings he stated that he had tried in 1912 to construct an apparatus designed to carry out his theory and then admitted that prior to 1916, he had made no apparatus but only drawings and sketches of a practical machine. If he made drawings or sketches of a practical machine prior to 1916, he must have conceived the device before the first of June, 1917, the date of conception fixed in his preliminary statement which was filed four months before his testimony was given.

That variance cannot well be accounted for except upon the theory that it was caused by the belief that an earlier date of conception would strengthen his case.

None of the drawings or sketches of the practical machine was preserved. He showed them to no one except to his own son then 12 years old and who at that tender age presumably knew little or nothing of drawings or of sketches. Although he frequently discussed his process conception and his device with Doctors Hare and Griffith, he showed to Dr. Hare a rough illustrative sketch only and to neither of his confidants did he disclose the drawings or sketches of the practical machine. More than that, having as he says conceived of a machine which consisted of a cylinder to contain milk, a carbon-dioxide tank to furnish gas and a reservoir into which the milk could be withdrawn after exposure to the gas and claiming to know that such a machine would destroy bacteria, he says he constructed without suggestions from Larson 14 or 15 different devices to break up bacteria by direct pressure, by grinding and by forcing them through the pores of a cast-iron cylinder. None of those devices was designed to be used with carbon dioxide.

Crowther testified that he tested the efficiency of carbon dioxide by exposing Para rubber to its pressure and that he had a carbon-dioxide tank in his room to make the experiment. He first fixed the date of that test as February or March, 1917, and then changed that date to March or April, 1918 and finally, after Dr. Griffith had testified, wound up with the statement that he could not recall the date on which the test was made, that is to say, he could not remember whether he made the experiments 9 months or 21 months before he gave his testimony. That he had in his room a tank furnished by the university containing carbon dioxide, was flatly contradicted by disinterested

university employees who asserted that no such tank was delivered. If Crowther knew the efficiency of carbon dioxide in 1912 and had made drawings of a practical machine for its use prior to 1916, it is hard to understand why it was necessary to test the gas for efficiency in 1917 or 1918.

Dr. Hare is discredited by his statement that Crowther who was not a bacteriologist went into the physics of the destruction of bacteria by saturation with carbonic dioxide and explained that the capsules or envelopes of the bacteria could be penetrated by the gas under pressure which pressure when suddenly released would destroy the organisms by rapid expansion. Crowther did not testify that he made any such statement to Hare and apparently he could not have made it inasmuch as he knew nothing of the composition of bacteria and much less as to the penetrability of their capsules by gas, a fact by the way which did not become known to Dr. Larson, the trained bacteriologist, until developed by actual experimentation.

Moreover, if Crowther knew that the capsules of the bacteria would be penetrated by gas and burst by the sudden expansion thereof, why did Dr. Hare recommend that Crowther consult Dr. Larson as the man to whom Crowther's problem should be submitted?

Dr. Griffith's testimony is discredited by his statement that he saw a tank containing carbonic dioxide in Crowther's room. No such tank was delivered to Crowther's room by the university authorities and Crowther does not claim that he obtained a filled tank from any other source.

In view of the fact that Crowther was required by the university authorities to make equipment for Dr. Larson and as the presumption of law raised against him by that relation was not overcome by a clear preponderance of credible and satisfactory evidence, we must hold that Dr. Larson was the first to conceive the process of destroying bacteria by pressure and that he is entitled to a patent for both process and apparatus.

The decisions of the Commissioner of Patents are reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

866,306, E. R. Robinson, Switch, suit filed Sept. 15, 1924, D. C., M. D. Pa., Doc. 440, *S. Hoffman v. Bethlehem Steel Co.*

942,700, L. H. Baekeland, Condensation products of phenol and formaldehyde and method of making same; 942,809, same, Condensation product and method of making same, suit filed Oct. 13, 1924, D. C., N. D. Ill., Doc. 4359, *Bakelite Corp. v. Western Briar Pipe Co.*

942,809. (See 942,700.)

959,976, E. C. Wallace, Composite pavement, suit on contract for recovery of royalty filed Aug. 25, 1924, D. C., E. D. N. C., Doc. 1198, *L. Warren Bros. Co. v. R. G. Lassiter & Co.*

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes, suit filed Nov. 5, 1924, D. C., S. D. N. Y., Doc. E 30/241, *General Electric Co. v. Philip Freeman Co., Inc., et al.*

1,029,914, C. Cuno, Magneto interrupter and timer, suits filed Nov. 6, 1924, D. C., S. D. N. Y., Doc. E 30/243, *The Connecticut Telephone & Electric Co. v. L. Kretzer (L. K. Auto Ignition Sales Co.)*. Same, Doc. E 30/244, *The Connecticut Telephone & Electric Co., Inc. v. Brown & Green Ignition Sales Co., Inc.*

1,072,791, Thompson & Thompson, Automobile, decree Oct. 31, 1924, holding patent valid and infringed except as to claim 3, which is held incomplete and void, injunction suspended until Nov. 13, 1924, in case defendant takes an appeal, D. C., N. D. Ga., Doc. 271, *The Temco Electric Motor Co. v. Apco Mfg. Co.*

1,082,933. (See 1,018,502.)

1,126,096, W. F. Schmidt, Pneumatic hammer, suit filed Nov. 6, 1924, D. C., S. D. N. Y., Doc. E 30/245, *Chicago Pneumatic Tool Co. v. W. H. Keller, Inc.*

1,137,082. (See 1,172,904.)

1,152,670. (See Re. 15,111.)

1,172,904, 1,137,082, H. Pries, Brake shaft, suit filed Oct. 28, 1924, D. C., N. D. Ill., Doc. 4440, *A. Pries v. Union Railway Equipment Co. et al.*

1,229,102, B. E. Lloyd, Talking doll, suit filed Nov. 8, 1924, D. C., S. D. N. Y., Doc. E 30/247, *B. E. Lloyd v. Wolf Doll Co., Inc., et al.*

1,271,527, M. C. Hopkins, Sound-regenerating machine, suit filed Nov. 10, 1924, D. C., S. D. N. Y., Doc. E 30/256, *Lektophone Corp. v. Western Electric Co., Inc.*

1,324,238. (See Re. 15,111.)

1,327,936, S. Anthony, Card Index, suit filed Oct. 22, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4415, *Acme Card System Co. v. Globe Wernicke Co.*

1,356,338, A. A. Clarke, Surface-treating device, suit filed Oct. 15, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4385, *B. D. Aticell, jr., et al. v. R. L. Barker (Barker & Co.) et al.*

1,388,546, J. Brueck, Nail polish, suit filed Nov. 10, 1924, D. C., S. D. N. Y., Doc. E 30/258, *J. Brueck v. H. M. rz.*

1,416,044, A. Martin, Dress shield, suit filed Dec. 4, 1922, D. C., S. D. N. Y., Doc. E 25/144, *A. Martin v. I. B. Kleinert Rubber Co.* Order dismissing suit (notice dated Nov. 11, 1924).

1,444,436, F. W. Teeter, Porcelain, veneer crown and process of making same, suit filed Oct. 29, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4386, *F. W. Teeter v. American Dental Co.*

1,484,265, Hird & Hird, Jr., Hydraulic jack, suit filed Nov. 5, 1924, D. C. Wash., Doc. E 431, *Ideal Machinery Co. v. Ballou & Wright, Inc.*

1,499,166, G. S. Frazier, Chair-seat pad or cushion, suit filed Nov. 7, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1308, *G. S. Frazier v. The Miller Rubber Co.*

Des. 60,878, Pardee, Dewire & Suporter, Radiator cap, suit filed Oct. 21, 1924, D. C., N. D. Ill., Doc. 4391, *Miller & Pardee, Inc., v. Simplex Corp. et al.*

T. M. 133,211, The F. Beaumont National Croustade Mfg. Co., Inc., For use on cup or dish like receptacles made of fried or baked pastry, suit filed Oct. 2, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4322, *The F. Beaumont National Croustade Mfg. Co., Inc., v. Novelty Cup & Cone Co.*

T. M. 136,050, E. S. Johnson, Receptacle, suit filed Oct. 2, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4320, *The Monarch Co., Inc., et al. v. The Mantle Lamp Co. of America.*

T. M. 176,070, Fire-resisting cement for forming furnace linings, suit filed Oct. 8, 1924, D. C., N. D. Ill. (S. Div.), Doc. 4356, *Jointless Fire Brick Co. v. The Perolin Co. of America.*

Re. 15,111, J. M. Leaver, jr., Automatic bundling and tying machine; 1,152,670, N. B. Thompson, Board-bundling machine; 1,324,238, C. E. Evans, Bundling, blinding, and tying machine, suit filed Nov. 5, 1924, D. C., N. D. Calif. (S. Div.), Doc. E 1360, *J. M. Leaver, jr., et al. v. California Packing Corp.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Design Pat. 63,371, G. A. Meell, Class ring, decided November 6, 1924, single claim.

Pat. 1,382,286, F. A. Hart, Combined typewriting and computing machine, decided November 4, 1924, claim 3.

Pat. 1,416,464, H. Hanson, Combined typewriting and computing machine, claims 12, 17, 18, and 23.

Pat. 1,455,280, H. H. Vickers, Combined typewriting and computing machine, claims 1, 2, 3, and 7.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 16, 1924.

[Vol. 329. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 133,679. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PENNANT WATCH & SUPPLY CORP., New York, N. Y. Filed June 14, 1920.



Particular description of goods.—Watchmaking Tools.—Namely, Screw Drivers, Tweezers, and Pliers. Claims use since Jan. 1, 1920.

Ser. No. 145,868. (CLASS 2. RECEPTACLES.) AMERICAN CAN COMPANY, New York, N. Y. Filed Apr. 8, 1921.

DOUBLETITE

Particular description of goods.—Cans and Like Containers. Claims use since Mar. 1, 1909.

Ser. No. 150,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAWRENCE A. KESSLER, Cedar Rapids, Iowa. Filed July 11, 1921.



No claim is made to the exclusive use of the words "Prophylactic Powder" apart from the mark shown in the drawing. The words "Prophylactic Powder" are in deep yellow; also circles encompassing said words in deep yellow; trade-mark with deep violet background and the margins or outlines of the representation of a tooth; the outlines of the letters composing the words "Prophylactic Powder," the circle encompassing said words, and the outer circumference of the trade-mark are in black.

Particular description of goods.—Tooth Powder. Claims use since about May 15, 1921.

Ser. No. 157,503. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TITANINE INC., Union, N. J. Filed Jan. 4, 1922.

AEROSPAR

Particular description of goods.—Varnishes, Paint Enamels, Liquid Paints, and Paint Pastes. Claims use since about Oct. 1, 1921.

Ser. No. 162,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH CAMPBELL COMPANY, Camden, N. J., assignor to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey. Filed Apr. 20, 1922. Under section 5b, act of 1905, as amended 1920.

Campbell's

The drawings are intended to show the particular or distinctive manner in which the name of the applicant is written in manuscript letters bordered in black and filled in in white.

Particular description of goods.—Spaghetti.
Claims use since about Apr. 8, 1922.

Ser. No. 163,140. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT CORNELL, doing business as Koffee-O Cereal Co., Tacoma, Wash. Filed May 1, 1922.

KOFFEE-O

Particular description of goods.—Imitation Coffee.
Claims use since Dec. 10, 1916.

Ser. No. 164,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & Co., Chicago, Ill. Filed May 22, 1922.

YACHT CLUB



Particular description of goods.—Salad Dressing, Coffee, Catchup, Chili Sauce, Canned Salmon, Canned Sardines, Canned Soup, Canned Baked Beans, and Olive Oil.
Claims use since 1884.

Ser. No. 166,614. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDWARD J. WARD, New York, N. Y. Filed July 8, 1922.

INVICTA

Particular description of goods.—Check Writers and Printers and Typewriters.
Claims use since January, 1921.

Ser. No. 172,118. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTON COMPANY, Worcester, Mass. Filed Nov. 16, 1922.

INDIA OIL STONE

No claim is made to the exclusive right to the use of the words "Oil Stone" apart from their association with the other features of the mark shown in the drawing; but no common-law rights are hereby waived.

Particular description of goods.—Oilstones.
Claims use since 1912.

Ser. No. 172,368. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH CAMPBELL COMPANY, Camden, N. J., assignor to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey. Filed Nov. 22, 1922. Under section 5b, act of 1905, as amended 1920.

Campbell's

The drawings show that the mark does not consist merely of a surname, but does consist of the particular or distinctive manner in which the name is written, particular attention being called to the tout ensemble of the manuscript autograph and to the junction of the "p," "b," and "c." The letters are bordered in black and filled in in white and are displayed on a red background.

Particular description of goods.—Canned Tomatoes, Corn, Peas, and Beans.
Claims use since about October, 1922.

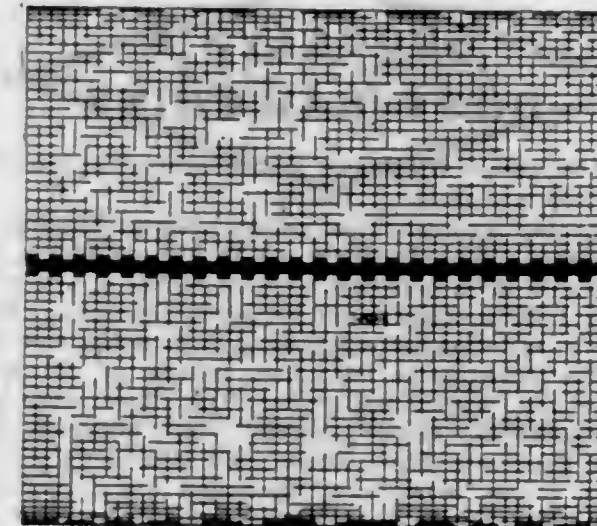
Ser. No. 172,617. (CLASS 20. BROOMS, BRUSHES, AND DUSTERS.) ALICE M. STURDEVANT, Los Angeles, Calif. Filed Nov. 27, 1922.



All rights to the use of the words "Windshield Cleaner" are herewith disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Windshield Cleaners in the Nature of Squeegees.
Claims use since June 15, 1917.

Ser. No. 177,540. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WM. & CHAS. BECK, INC., Lawrence, Mass. Filed Mar. 16, 1923.



No claim is made to the exclusive use of the representation of the goods. Trade-mark consists of a color line longitudinally disposed upon the goods and formed of one black warp alternating with two red ones.

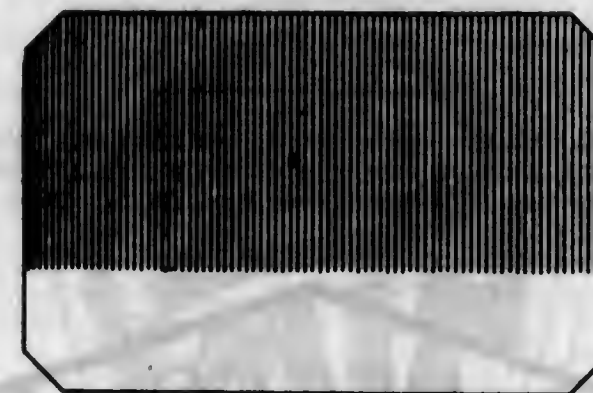
Particular description of goods.—Linen Fire Hose.
Claims use since Nov. 26, 1921.

Ser. No. 179,808. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE MCBEE BINDER COMPANY, Athens, Ohio. Filed Apr. 27, 1923.

KEYWORD

Particular description of goods.—Accumulation Index Books for Filing Systems.
Claims use since Sept. 1, 1922.

Ser. No. 182,488. (CLASS 39. CLOTHING.) SWEET-ORR & Co., INC., Wappingers Falls and New York, N. Y. Filed June 26, 1923.



No claim being made to the mere representation of the ticket. About two-thirds of the ticket is colored red, and the remainder is white.

Particular description of goods.—Apron Overalls, Waist Overalls, and Overall Sack Coats.
Claims use since on or about June 16, 1919.

329 O. G.—36

Ser. No. 183,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUBBARD MILLING COMPANY, Mankato, Minn. Filed July 13, 1923.



Particular description of goods.—Wheat Flour, Rye Flour, and Corn Meal.
Claims use since Jan. 1, 1910.

Ser. No. 184,735. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. H. KING FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Aug. 20, 1923.

A FRIEND YOU KNEAD

Particular description of goods.—Wheat Flour.
Claims use since Aug. 8, 1923.

Ser. No. 185,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. J. JOHNSON, Cleveland, Ohio. Filed Sept. 4, 1923.



Particular description of goods.—Liniment.
Claims use since July 21, 1923.

Ser. No. 185,466. (CLASS 38. PRINTS AND PUBLICATIONS.) ONOLEE JONES, Los Angeles, Calif. Filed Sept. 7, 1923.

RADIO GOOD NIGHT STORIES

FROM

PLAYLAND TO RADIOLAND

Particular description of goods.—Books and Pamphlets of Copy for Radiobroadcasting Published from Time to Time.

Claims use since Mar. 1, 1923.

Ser. No. 185,927. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOFMANN BROTHERS PRODUCE COMPANY, St. Louis, Mo. Filed Sept. 19, 1923.

Breakfast

Particular description of goods.—Honey.
Claims use since about Oct. 1, 1922.

Ser. No. 185,968. (CLASS 39. CLOTHING.) MARGARET F. HOWE, doing business as Margaret Vale, New York, N. Y. Filed Sept. 20, 1923.



Particular description of goods.—Wearing Apparel for Women—Namely, Coats, Suits, Cloaks, Dresses, Skirts, Knitted Sweaters, and Hats.
Claims use since Sept. 14, 1923.

Ser. No. 186,094. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, Inc., New York, N. Y. Filed Sept. 24, 1923.

A. & S. Subway Store

BROOKLYN'S BEST BARGAINS

"Subway Store Brooklyn's Best Bargains" is disclaimed apart from the mark as shown.

Particular description of goods.—Men's, Youths', and Boys' Coats, Vests, Trousers, and Overcoats; Straw, Felt, and Textile Hats and Caps; Outer Shirts of All Kinds, Textile Collars and Cuffs, Sweaters, Overalls; Men's, Women's, and Children's Hosiery; Bath Robes and Bathing-Suits, Nightshirts, Pyjamas, Gloves of All Kinds, Knitted and Woven Underwear; One, Two, and Three Piece Garments; Ladies', Misses', and Children's Coats, Cloaks, Raincoats, Outer Skirts, and Trimmed Hats; Fur Jackets, Capes, Muffs, and Head and Shoulder Scarfs; Ladies' Shirt Waists, Underskirts, Corsets, Corset Waists, Dresses, and Kimonos; Wrappers; Men's, Women's, and Children's Leather, Canvas, and Rubber Boots, Shoes, and Slippers.

Claims use since Aug. 13, 1923.

Ser. No. 186,589. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DE FOREST PHONOFILM CORPORATION, New York, N. Y. Filed Oct. 5, 1923.

KINOPHONE

Particular description of goods.—Motion-Picture Films, Motion-Picture Cameras, Motion-Picture-Projecting Machines, and Talking-Moving-Picture Machines.
Claims use since July 1, 1923.

Ser. No. 186,590. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DE FOREST PHONOFILM CORPORATION, New York, N. Y. Filed Oct. 5, 1923.

VAUDEFILM

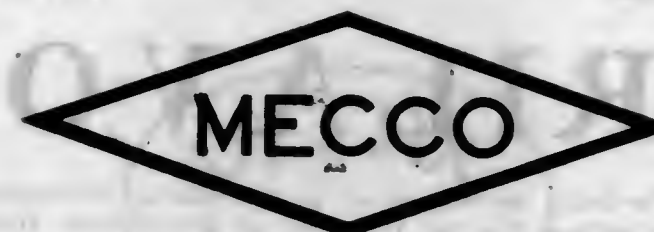
Particular description of goods.—Motion-Picture Films, Motion-Picture Cameras, Motion-Picture-Projecting Machines, and Talking-Moving-Picture Machines.
Claims use since July 1, 1923.

Ser. No. 186,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINER-EDGAR COMPANY, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Chemical Solvents Having a General Use in the Industrial Arts.
Claims use since on or about Oct. 1, 1914.

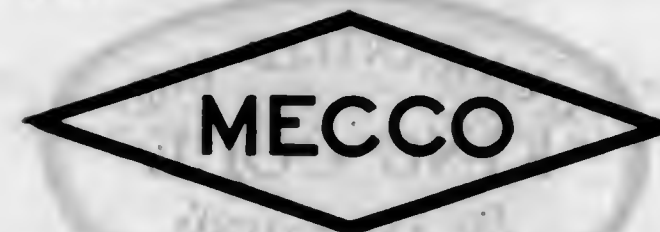
Ser. No. 186,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINER-EDGAR COMPANY, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Acetate of Lime (Calcium Acetate), Acetates (Solvents), and Formaldehydes.

Claims use since about Oct. 1, 1914.

Ser. No. 186,661. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINER-EDGAR COMPANY, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Denatured Alcohol and Wood Alcohol (Methanol).

Claims use since on or about Oct. 1, 1914.

Ser. No. 186,800. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NIAGARA METAL STAMPING CORPORATION, Niagara Falls, N. Y. Filed Oct. 10, 1923.



Particular description of goods.—Coaster Wagons.
Claims use since January, 1910.

Ser. No. 186,951. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAVIS-JOHNSON CO., Chicago, Ill. Filed Oct. 13, 1923.



Particular description of goods.—Medicinal Compound in Powdered Form for Use as a Remineralization or Tonic Product.

Claims use since about Sept. 29, 1923.

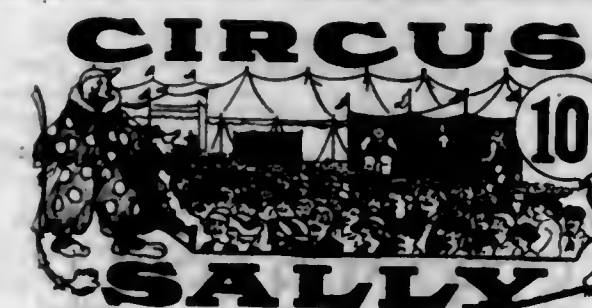
Ser. No. 187,030. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WELDON MANUFACTURING COMPANY, Grand Rapids, Mich. Filed Oct. 15, 1923.



Particular description of goods.—Portable Fire Extinguishers.

Claims use since Nov. 10, 1922.

Ser. No. 187,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CIRCUS SALLY COMPANY, Chicago, Ill. Filed Oct. 17, 1923.



The lining now shown on the drawing is for shading purposes only.

Particular description of goods.—Candy.
Claims use since June 23, 1923.

Ser. No. 187,511. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. W. ESKRIDGE DRUG CO., Tallulah, La. Filed Oct. 27, 1923.

LA DELTA

Particular description of goods.—Liniment for the Treatment of Neuralgia, Sprains, Lame Back, Stiff Joints, Cuts, Bruises, Bites, and Stings; a Blood Tonic and Laxative Recommended for Certain Forms of Liver, Stomach, Kidney, and Bladder Troubles, Indigestion, Torpid Liver, Headache, Backache, and Loss of Appetite When Due to Constipation; a Preparation for the Treatment of Chills and Fever, and a Cascara Laxative.
Claims use since July 25, 1922.

Ser. No. 187,968. (CLASS 39. CLOTHING.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Nov. 3, 1923.



No claim is made to the abbreviation "Phila." apart from the mark as shown.

Particular description of goods.—Men's Leather Shoes.
Claims use since Oct. 13, 1923.

Ser. No. 188,118. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARGARET F. HOWE, doing business as Margaret Vale, New York, N. Y. Filed Nov. 8, 1923.



Particular description of goods.—Dolls.
Claims use since Oct. 6, 1923.

Ser. No. 188,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER DEWITT KEMP, New York, N. Y. Filed Nov. 18, 1923.

STRAWBAPPLE

Particular description of goods.—Fruit Sauce and Fruit Pulp.
Claims use since Sept. 15, 1923.

Ser. No. 189,828. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) XTERMO PRODUCTS INC., Milwaukee, Wis. Filed Dec. 17, 1923.

XTERMO

Particular description of goods.—Insecticides and Rat Poisons.
Claims use since June 1, 1922.

Ser. No. 191,509. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROGERS SILVER GROCERY CO., Owensboro, Ky. Filed Jan. 30, 1924.

LIBERTY BOND



The lining of the drawing is for shading only.
Particular description of goods.—Coffee and Spices.
Claims use since July 1, 1917.

Ser. No. 191,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RILAVO CORPORATION, Worcester, Mass. Filed Feb. 7, 1924.

RILAVO

Particular description of goods.—Healing Ointments, Preparations for the Treatment of Rheumatism, Headache Capsules, Deodorants, and Scents or Perfumes.
Claims use since Jan. 2, 1924.

Ser. No. 192,259. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KING COLE BRUSH CO. INC., San Francisco, Calif. Filed Feb. 14, 1924.



The words "Guaranteed Use in Anything" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Floor, Counter, Dusting, Smoothing, Whitewash, Varnish, Calcimine, Glue, Camel's-Hair, Badger-Hair, Ox-Hair, Horsehair, Paint, Roof, Nail, Enameling, Tooth, Shaving, Shoe, Hat, Cloth, Steel, Brick, Tree, Bristle, Fiber, Window, and Bath Brushes.
Claims use since March, 1921.

Ser. No. 192,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC SEA PRODUCTS CO., Brunswick, Ga. Filed Feb. 21, 1924.

GOLDEN ROD

Particular description of goods.—Canned Shrimp.
Claims use since Feb. 5, 1924.

Ser. No. 192,083. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GENERAL OIL CONSERVANCY LIMITED, London, England. Filed Feb. 23, 1924.

ROCKET

Particular description of goods.—Apparatus for Use in Separating Liquids of Different Specific Gravities, Particularly Apparatus for Use in Separating Mixtures of Oil and Water.
Claims use since May 16, 1923.

Ser. No. 193,386. (CLASS 30. CROCKERY, EARTH-ENWARE, AND PORCELAIN.) CHRISTIAN J. DIERCKX, New York, N. Y. Filed Mar. 7, 1924.



Particular description of goods.—Crockery, Earthenware, and Porcelain.
Claims use since July 1, 1923.

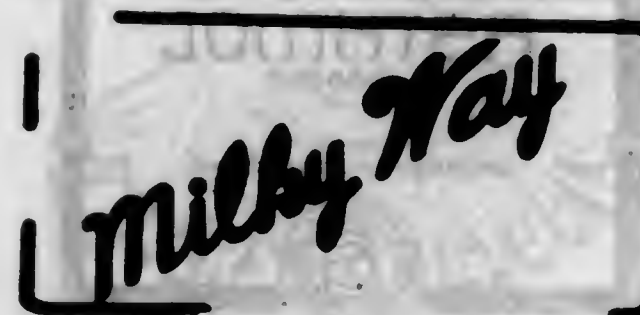
Ser. No. 193,455. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JULIEN GIGUET, Lyon, France. Filed Mar. 8, 1924.



No claim is made to the words "No. 8900, Dark Brown Silk, Hair Net, Best Quality Made, Without Elastic, Large Extra Size, Made in France" apart from the mark as shown in the drawing.

Particular description of goods.—Hair Nets.
Claims use since Nov. 27, 1923.

Ser. No. 194,461. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. MARS, doing business as Mar-O-Bar Company, Minneapolis, Minn. Filed Mar. 26, 1924.



Particular description of goods.—Candy.
Claims use since 1922.

Ser. No. 194,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. & J. LO BUE BROTHERS, Jersey City, N. J. Filed Mar. 28, 1924.



No claim is made to the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Macaroni.
Claims use since Jan. 1, 1922.

Ser. No. 195,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMON LEVI COMPANY, Los Angeles, Calif. Filed Apr. 21, 1924.



Particular description of goods.—Canned Fruits, Canned Vegetables, and Honey.
Claims use since Jan. 1, 1914.

Ser. No. 195,972. (CLASS 37. PAPER AND STATIONERY.) THE MCBEE BINDER COMPANY, Athens, Ohio. Filed Apr. 22, 1924.

McBEE B LEDGER
ATHENS OHIO

No claim is made for the words "Ledger," "Athens," or "Ohio" except in the association shown in the drawing.

Particular description of goods.—Stationery, Letter Paper, Leaves for Loose-Leaf Files, Printed Blanks, and Similar Sheets of Blank Paper.
Claims use since Mar. 1, 1924.

Ser. No. 195,973. (CLASS 37. PAPER AND STATIONERY.) THE McBRIDE BINDER COMPANY, Athens, Ohio. Filed Apr. 22, 1924.

ATHENIAN LEDGER

No claim is made for the word "Ledger" except in the association shown in the drawing.

Particular description of goods.—Stationery, Letter Paper, Leaves for Loose-Leaf Files, Printed Blanks, and Similar Sheets of Blank Paper.

Claims use since Mar. 1, 1924.

Ser. No. 196,689. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO. INC., Philadelphia, Pa. Filed May 7, 1924.

DRONGO

Particular description of goods.—Worsted and Woolen Dress Goods Manufactured in the Piece.

Claims use since Apr. 1, 1924.

Ser. No. 196,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. P. HARTLEY (LONDON & Aintree) LIMITED, Aintree, Liverpool, and London, England. Filed May 13, 1924. Under ten-year proviso.

HARTLEY'S

Particular description of goods.—Jams, Fruit Preserves, Vegetable Preserves, Mincemeat, Marmalade, Ginger Preserves, Canded and Uncanded Peels, Pickles, Sauce Prepared from Fruits and Spices and Used with Meats, Fish, and Other Articles of Food, and Jellies.

Claims use since 1871.

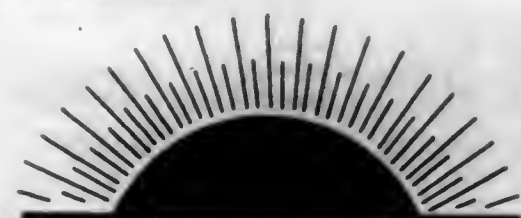
Ser. No. 196,978. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York. Filed May 13, 1924.

DANS LA NUIT

Particular description of goods.—Soaps.

Claims use since Dec. 3, 1920.

Ser. No. 196,989. (CLASS 37. PAPER AND STATIONERY.) STONE AND FORSYTH COMPANY, Boston, Mass. Filed May 13, 1924.



SUNSET MILLS

Particular description of goods.—Toilet Paper, Paper Crêpe Napkins, Wrapping Papers, and Wrapping Tissue Papers, Not Including Fruit Wrappers.

Claims use since in or about 1890.

Ser. No. 197,578. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN PHARMACAL COMPANY, doing business as MacDonald Laboratories, Memphis, Tenn. Filed May 26, 1924.

DR. MACDONALD'S NO-WHOOP

Particular description of goods.—Medicinal Preparation for Use in the Treatment of Whooping Cough.

Claims use since March, 1924.

Ser. No. 197,632. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOE BESONE, doing business as Besone's Distributing Co., Bakersfield, Calif. Filed May 27, 1924.



Particular description of goods.—Fresh Cantaloupes, Fresh Vegetables, Fresh Citrous Fruits, Fresh Grapes, Wheat, and Bran.

Claims use since Apr. 10, 1924.

Ser. No. 197,710. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & REYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

AEROSPAR

Particular description of goods.—Varnish.

Claims use since January, 1910.

Ser. No. 198,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAGONE & CIE., Palermo, Italy. Filed June 3, 1924.



Particular description of goods.—Preparation Used in Bronchial Asthma.

Claims use since October, 1923.

Ser. No. 198,306. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. A. HARAM & CO., INC., New York, N. Y. Filed June 9, 1924.



Particular description of goods.—Canned Sardines, Klipped Herring, Klipper Snack, and Soused Mackerel.

Claims use since 1923.

Ser. No. 198,337. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) BAKELITE CORPORATION, New York, N. Y. Filed June 10, 1924.



Particular description of goods.—Mouthpieces or Tips for Tobacco Pipes and Cigar and Cigarette Holders.

Claims use since on or about Mar. 20, 1924.

Ser. No. 198,546. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL PICTURES CORPORATION, New York, N. Y. Filed June 13, 1924.



No claim is made to the word "Pictures" apart from the other features of the mark.

Particular description of goods.—Moving Pictures.

Claims use since May 16, 1924.

Ser. No. 198,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FRUIT PRODUCT COMPANY, INC., Alexandria, Va. Filed June 17, 1924.

WHITE HOUSE



Particular description of goods.—Pickles, Chowchow, Pickled Onions, Olives, Chili Sauce, India Relish, Tomato Catchup, Prepared Mustard, and Horse-Radish.

Claims use since Apr. 22, 1924.

Ser. No. 198,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. J. DUNNE, doing business as The D. & S. Laboratories, Edinburgh, Scotland. Filed June 20, 1924.

EP-PROL-V

Particular description of goods.—Antiseptic Epithelial Proliferant.

Claims use since May 8, 1923.

Ser. No. 198,848. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. J. DUNNE, doing business as The D. & S. Laboratories, Edinburgh, Scotland. Filed June 20, 1924.

EP-PROL

Particular description of goods.—Epithelial Proliferant.

Claims use since Feb. 5, 1923.

Ser. No. 199,397. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. K. SMALL COMPANY, Los Angeles, Calif. Filed June 30, 1924.

BEAUTY

Particular description of goods.—Fresh Grapes, Fresh Vegetables, and Fresh Deciduous Fruits.

Claims use since Apr. 1, 1924.

Ser. No. 199,401. (CLASS 38. PRINTS AND PUBLICATIONS.) HILMER V. SWENSON ADVERTISING CO., Chicago, Ill. Filed June 30, 1924.

The
Fleurette

Particular description of goods.—Magazine Published Monthly Dedicated to Flowers and Flower Lovers.
Claims use since Oct. 1, 1922.

Ser. No. 199,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL FIRE EXTINGUISHING COMPANY, West Chester, Pa. Filed July 7, 1924.

FLAMITE

Particular description of goods.—Fire-Extinguishing Chemical Powder.
Claims use since Feb. 1, 1924.

Ser. No. 199,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DATE CORPORATION OF AMERICA, Los Angeles, Calif. Filed July 10, 1924.

SUNGOLD

Particular description of goods.—Dates.
Claims use since Mar. 1, 1924.

Ser. No. 199,846. (CLASS 39. CLOTHING.) McGRATH SHOE CO., INC., New York, N. Y. Filed July 10, 1924.

DR HAYS
HYGIENIC
CUSHION SOLE
SHOE

No claim is made to the words "Hygienic Cushion Sole Shoe" apart from the mark shown on the drawing.
Particular description of goods.—Children's Leather Shoes.

Claims use since August, 1922.

Ser. No. 199,856. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Flora

Particular description of goods.—Lead Pencils, Mechanical Lead Pencils, Penholders, Billiard and Marking Chalk, Lead-Pencil Pointers, Elastic Bands (Not Woven), Fountain-Pen Holders, Gold Pens, and Stylographic Pens.

Claims use since 1909.

Ser. No. 199,860. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Valura

Particular description of goods.—Lead Pencils, Copying Pencils, Slate Pencils, Penholders, and India-Rubber Erasers.

Claims use since 1914.

Ser. No. 200,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. A. JONES FLOUR & GRAIN CO., Birmingham, Ala. Filed July 19, 1924.

4 ROSES
SELDOM EQUALLED—NEVER EXCELLED

No claim is made to the words "Seldom Equalled—Never Excelled" apart from the mark as shown in the drawing.

Particular description of goods.—Wheat Flour.
Claims use since June 16, 1924.

Ser. No. 200,263. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KENT-MOORE ORGANIZATION, Detroit, Mich. Filed July 19, 1924.

FLAT-RATE

Particular description of goods.—Automotive Repair Tools—Namely, Propeller-Shaft Pullers, Wheel Pullers, Hub-Bearing-Sleeve Pullers, Rear-Axle Bearing and Housing Pullers, Steering-Wheel Pullers, Bushing Pullers, Universal-Joint Pullers, Crank-Shaft-Gear and Fan-Pulley Pullers, Fan-Pulley Pullers, Generator-Gear Pullers, Steering-Worm Pullers, All-Purpose Bending Irons.

Crank-Shaft-Truing Irons, Steering-Gear-Adjusting Nut Wrenches, Fan-Adjusting Spanner Wrenches, Plain-Arm-Bushing Presses, Arbor Presses, Crank and Crank-Shaft Straightening Presses, Center-Bearing Facing Tools, Connecting-Rod-Babbitting Tools, Connecting-Rod-Reconditioning Tools, Cylinder-Burnishing Tools, Main-Bearing Aligning and Boring Tools, Burnishing and Running-In Tools, Motor Stands, Axle Stands, Stationary Cone and Transmission Bushing Drivers, Clutch-Spring Compressors, Brake-Operating Cam-Lever Removers, Connecting-Rod-Aligning and Bearing-Fitting Arbors, Piston Inserters.

Claims use since Apr. 1, 1924.

Ser. No. 200,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALLY JACOBUS, doing business as Chemische Fabrik Jacobus, Berlin, Germany. Filed July 24, 1924.

Jacobus

The color lining appearing on the drawing indicates the colors red, blue, pink, green, and brown.

Particular description of goods.—Dyestuffs.
Claims use since Nov. 15, 1922.

Ser. No. 200,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRITISH CYANIDES COMPANY, LIMITED, London, England. Filed July 28, 1924.

BEETLE BRAND

No claim is made herein to the exclusive use of the word "Brand" apart from the trade-mark shown.

Particular description of goods.—Cyanide of Soda, Ferrocyanides of Soda and Potash, Ferrocyanide of Potash, Permanganate of Potash and Thiocarbamide, Condensation Products of Thiocarbamide, and the Condensation Product of That Body with Formaldehyde.

Claims use since July, 1904.

Ser. No. 200,630. (CLASS 39. CLOTHING.) MATCH PANTS CO., New York, N. Y. Filed July 28, 1924.

PANTS TO MATCH
MATCH
TS

No claim is made to the words "Pants to Match" and to the representation of the goods apart from the mark shown on the drawing.

Particular description of goods.—Men's and Boys' Trousers.

Claims use since March, 1923.

Ser. No. 200,668. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE BIG THREE WELDING & EQUIPMENT COMPANY, INC., Fort Worth, Tex. Filed July 29, 1924.

SMITHWELD

Particular description of goods.—Oxyacetylene Welding Torches, Cutting Torches, Lead-Burning Torches, Oxygen and Acetylene Regulators, and Acetylene Generators.

Claims use since Jan. 1, 1924.

Ser. No. 200,693. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SAN ANTONIO BEVERAGE SIRUP COMPANY, INC., San Antonio, Tex. Filed July 29, 1924.

Wine

The words "Drink" and "Better'n Wine" are hereby disclaimed, except in combination with the mark shown. The shading is to indicate the color orange.

Particular description of goods.—Fruit Beverages and Compounds and Sirups for Making the Same.

Claims use since May 30, 1924.

Ser. No. 200,930. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) COSMIC ARTS, INC., New York, N. Y. Filed Aug. 4, 1924.



No claim is asserted to the exclusive use of the word "Films" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Moving-Picture Films.
Claims use since June 28, 1924.

Ser. No. 200,936. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GLENNY & BLEW, London, England. Filed Aug. 4, 1924.

COLOURDEX

Particular description of goods.—Apparatus for Indexing, Indicating, and Recording the Duties and Other Data Relating to Persons or Objects.

Claims use since Nov. 1, 1922.

Ser. No. 201,040. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM C. MORGAN, Everett, Wash. Filed Aug. 6, 1924.



Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since 1910.

Ser. No. 201,041. (CLASS 17. TOBACCO PRODUCTS.) WILLIAM C. MORGAN, Everett, Wash. Filed Aug. 6, 1924.



Particular description of goods.—Cigarettes, Cigars, and Smoking Tobacco.
Claims use since 1910.

Ser. No. 201,058. (CLASS 2. RECEPTACLES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 6, 1924.

SOCONY

Particular description of goods.—Portable and Stationary Tanks, Drums, and Cans, All Made of Metal; Barrels and Cases Made of Wood, Bags Made of Cloth and Paper, and Paper Cartons.

Claims use since 1908.

Ser. No. 201,203. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATHAN MILORAM, doing business as The Brumalt Co., Kansas City, Mo. Filed Aug. 9, 1924.

"JIFFY"

Particular description of goods.—Malt Syrup for Food Purposes.

Claims use since Sept. 1, 1922.

Ser. No. 201,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARDNER'S CANDIES, INC., New York, N. Y. Filed Aug. 14, 1924.



Particular description of goods.—Candy.
Claims use since July 21, 1924.

Ser. No. 201,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARDNER'S CANDIES, INC., New York, N. Y. Filed Aug. 14, 1924.



Particular description of goods.—Candy.
Claims use since July 21, 1924.

Ser. No. 201,412. (CLASS 39. CLOTHING.) PORTER CLOTHING COMPANY, INC., New Orleans, La. Filed Aug. 14, 1924.



The descriptive word "Clothes" is hereby disclaimed apart from the mark as shown.

Particular description of goods.—Suits for Men and Boys, Made of Tropical Worsteds, Lightweight Woolens, Mohairs, Silks, Linens, and Other Lightweight Fabrics.
Claims use since July, 1924.

Ser. No. 201,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIG STONE CANNING COMPANY, Ortonville, Minn. Filed Aug. 18, 1924.



Particular description of goods.—Canned Corn.
Claims use since Apr. 21, 1924.

Ser. No. 201,644. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. L. BEST TRACTOR COMPANY, San Leandro, Calif. Filed Aug. 20, 1924.



Without waiving any of its common-law rights with respect to any of the features of the accompanying drawing the undersigned makes no claim herein broadly to the words "Best Tracklayer Tractors" apart from the mark shown.

Particular description of goods.—Tractors.
Claims use since May 22, 1924.

Ser. No. 201,674. (CLASS 37. PAPER AND STATIONERY.) NORTHERN PAPER MILLS, Green Bay, Wis. Filed Aug. 20, 1924.



The lining upon the drawing is for the purpose of shading only.

Particular description of goods.—Toilet Paper.
Claims use since Apr. 24, 1924.

Ser. No. 201,715. (CLASS 33. GLASSWARE.) PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Aug. 21, 1924.



The wording on the drawing "Pittsburgh Plate Glass Company" is disclaimed apart from the mark shown. The word "Tapestry" is in blue, and the background of such word is in gold.

Particular description of goods.—Sheet Glass.
Claims use since July 16, 1924.

Ser. No. 201,717. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JENNIE S. RIGGS, doing business as E. T. S. Company, Seattle, Wash. Filed Aug. 21, 1924.



Particular description of goods.—Soap.
Claims use since July 1, 1924.

Ser. No. 201,746. (CLASS 39. CLOTHING.) DAVID & BLUM, Inc., New York, N. Y. Filed Aug. 22, 1924.



Applicant makes no claim to the word "France" and the term "Le Gant Scarlet" apart from the mark as shown in the accompanying facsimiles and drawing. Trade-mark consists of a four-leaf-clover over which a semicircular inscription with the words "Le Gant Scarlet" appears, which words are circumscribed at top and bottom by single lines, except that at the bottom of the entire figure the lines are broken, leaving a space in which is inscribed the word "France."

Particular description of goods.—Leather Gloves and Gloves Made of Other Fabrics.
Claims use since Dec. 1, 1923.

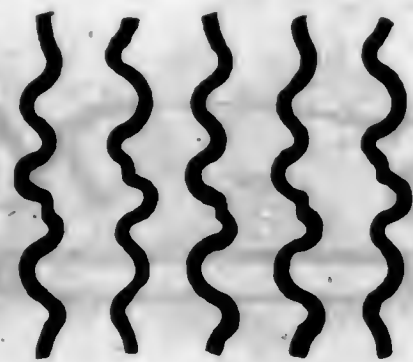
Ser. No. 201,747. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARTSIDE'S IRON RUST SOAP CO., Philadelphia, Pa. Filed Aug. 22, 1924. Under ten-year proviso.



Particular description of goods.—Cleaning Preparation for Removing Iron Rust, Ink, Fruit, and Medicine Stains from Clothing and Marble.

Claims use since December, 1894.

Ser. No. 201,815. (CLASS 2. RECEPTACLES.) THE MASON BOX CO., Attleboro Falls, Mass. Filed Aug. 23, 1924.



Particular description of goods.—Paper and Cardboard Boxes and Wrappers.
Claims use since Feb. 1, 1920.

Ser. No. 201,844. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREENAN CAKE CORPORATION, now by change of name Greenan Bakeries, Incorporated, Detroit, Mich. Filed Aug. 25, 1924.

SNOW DOWN

Particular description of goods.—Cakes, Cookies, Fried Cakes, Doughnuts, Bread, and Rolls.
Claims use since July 2, 1924.

Ser. No. 201,905. (CLASS 38. PRINTS AND PUBLICATIONS.) SALES-PRODUCING CIRCULAR CO. INC., New York, N. Y. Filed Aug. 20, 1924.

SALES PRODUCERS

Particular description of goods.—Printed Advertising Circulars.
Claims use since June 22, 1922.

Ser. No. 201,917. (CLASS 32. FURNITURE AND UPHOLSTERY.) CONGOLEUM COMPANY, INC., New York, N. Y. Filed Aug. 27, 1924.



No claim is made to the words "Art-Rug Rack" apart from the mark as shown.

Particular description of goods.—Rug Racks.
Claims use since Aug. 1, 1924.

Ser. No. 201,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CUSTARD-O COMPANY, Cleveland, Ohio. Filed Aug. 27, 1924.



No claim is made to the exclusive use of the word "Custard" apart from the mark shown in the drawing.
Particular description of goods.—Custard Powder.
Claims use since July 9, 1924.

Ser. No. 201,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER SISCO COMPANY, Chicago, Ill. Filed Aug. 28, 1924.



Particular description of goods.—Candy.
Claims use since Apr. 4, 1924.

Ser. No. 202,007. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DUNHAM COMPANY, Berea, Ohio. Filed Aug. 29, 1924.



Particular description of goods.—Water-Weighted Lawn Rollers.
Claims use since July 1, 1924.

Ser. No. 202,035. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RECHER BROS. LTD., Browns Mills, N. J. Filed Aug. 29, 1924.



The section lining in the drawing does not indicate color, but is for purpose of shading only.

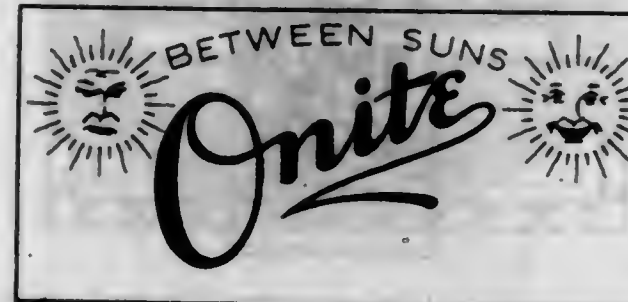
Particular description of goods.—Stiffening Lining Fabrics in the Piece.
Claims use since about Feb. 26, 1924.

Ser. No. 202,060. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHARLES V. HALL, doing business as Double Lock Patch and Rubber Company, Washington, D. C. Filed Aug. 30, 1924.



The representation of a tire and the words "Trade-Mark" are disclaimed apart from the mark as shown.
Particular description of goods.—Tire Patches.
Claims use since August, 1924.

Ser. No. 202,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JNO. J. VERTREES, doing business as Temple Laboratories, Nashville, Tenn. Filed Aug. 30, 1924.



Particular description of goods.—Preparation for Gallstones, Liver Complaints, Indigestion, Stomach Troubles, Jaundice, and Biliousness.
Claims use since July 10, 1924.

Ser. No. 202,091. (CLASS 39. CLOTHING.) J. RAYMOND AYERS, Everett, Mass. Filed Sept. 2, 1924.



No claim is made to the word "Shoes" separate and apart from the mark shown.

Particular description of goods.—Orthopedic Shoes Made of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Apr. 1, 1924.

Ser. No. 202,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Sept. 2, 1924.

PILOT

Particular description of goods.—Candy.
Claims use since about December, 1894.

Ser. No. 202,173. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE E. MAINHART, doing business as Sierra Products Co., San Francisco, Calif. Filed Sept. 3, 1924.



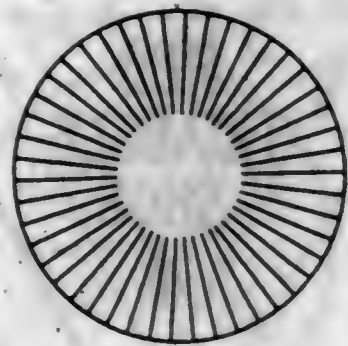
Particular description of goods.—Metal Polish.
Claims use since Aug. 1, 1924.

Ser. No. 202,212. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KEYSTONE FRUIT PRODUCTS COMPANY, Hamilton, Ohio. Filed Sept. 4, 1924.

PEACHEE-PINE

Particular description of goods.—Preserved Fruit.
Claims use since Apr. 1, 1924.

Ser. No. 202,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AKTIEBOLAGET PASTILL, Gede, Sweden. Filed Sept. 5, 1924.



Particular description of goods.—Bronchial Tablets and Pastils.
Claims use since July 25, 1922.

Ser. No. 202,241. (CLASS 39. CLOTHING.) COMET TEXTILE CO. INC., New York, N. Y. Filed Sept. 5, 1924.

Chamoca

Particular description of goods.—Fabric Gloves.
Claims use since Sept. 27, 1923.

Ser. No. 202,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORONA CHEMICAL COMPANY, INC., New York, N. Y. Filed Sept. 5, 1924.



Particular description of goods.—Disinfectant.
Claims use since May 16, 1924.

Ser. No. 202,277. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CANNON MILLS, INC., New York, N. Y. Filed Sept. 6, 1924.

Quaker Town

Particular description of goods.—Bedspreads.
Claims use since Apr. 15, 1924.

Ser. No. 202,397. (CLASS 39. CLOTHING.) I. A. KLEIN, Chicago, Ill. Filed Sept. 9, 1924.



No claim is made to the words "Perfekt Arch" and "Chicago" apart from the mark as shown.
Particular description of goods.—Leather, Rubber, and Fabric Shoes.
Claims use since May 1, 1924.

Ser. No. 202,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. PATERSON & SONS LTD., Glasgow, Scotland. Filed Sept. 10, 1924.

CAMP

Particular description of goods.—Coffee Essence with Chicory.
Claims use since June 27, 1906.

Ser. No. 202,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. PATERSON & SONS LTD., Glasgow, Scotland. Filed Sept. 10, 1924.



Particular description of goods.—Coffee Essence with Chicory.
Claims use since Apr. 24, 1908.

Ser. No. 202,485. (CLASS 37. PAPER AND STATIONERY.) THE J. W. BUTLER PAPER CO., Chicago, Ill. Filed Sept. 11, 1924.



The word "Chicago" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Bond Paper, Writing Paper, Cover Paper, Document Paper, Book Paper, Bristol Board, Cardboard, and Mailing Envelopes.
Claims use since June 1, 1924.

Ser. No. 202,511. (CLASS 2. RECEPTACLES.) LA BRATH CARBOY BOX CO., Paulsboro, N. J. Filed Sept. 11, 1924.

LA BRATH

Particular description of goods.—Carboy Boxes.
Claims use since Nov. 15, 1923.

Ser. No. 202,512. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LINCOLN MANUFACTURING COMPANY, Connersville, Ind. Filed Sept. 11, 1924.



Specific colors are not material to the trade-mark, and applicant makes no claim to any specific colors.
Particular description of goods.—Automobile Brakes and Timers.
Claims use since Aug. 12, 1924.

Ser. No. 202,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BROTHERHOOD OF CARPENTERS & JOINERS, Indianapolis, Ind. Filed Sept. 11, 1924.

CARPENTERS HOME



Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Grapefruit, and Tangerines.
Claims use since May 15, 1924.

Ser. No. 202,547. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Sept. 12, 1924.

Kera-Mino

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 10, 1923.

Ser. No. 202,570. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WA-PA CHEMICAL COMPANY, Marinette, Wis. Filed Sept. 12, 1924.

WA-PA

Particular description of goods.—Hand Cleaner.
Claims use since June 1, 1924.

Ser. No. 202,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSHALL & COMPANY (ABERDEEN) LTD., Aberdeen, Scotland. Filed Sept. 13, 1924. Under ten-year proviso.



The lining shown on the drawing is for shading only.
Particular description of goods.—Canned Fish—Namely, Herring and Mackerel.
Claims use since Dec. 6, 1886.

Ser. No. 202,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Filed Sept. 13, 1924.

ORO ROMANO

Particular description of goods.—Canned Fruits.
Claims use since Aug. 7, 1924.

Ser. No. 202,618. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAUD M. FAIRBANKS, Worcester, Mass. Filed Sept. 15, 1924.

IKURA

Particular description of goods.—Soap.
Claims use since 1908.

Ser. No. 202,620. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Sept. 15, 1924.

RUBRITE

Particular description of goods.—Polishing Cloth for Polishing Painted or Varnished Furniture and Other Woodwork.

Claims use since March, 1924.

Ser. No. 202,688. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BISCUIT COMPANY, San Francisco, Calif. Filed Sept. 17, 1924.

AMERICAN



Particular description of goods.—Biscuits.
Claims use since 1880.

Ser. No. 202,739. (CLASS 15. OILS AND GREASES.) THE BUCKEYE PRODUCTS COMPANY, Cincinnati, Ohio. Filed Sept. 18, 1924.



TRADE MARK

The lining of the drawing is to express the colors red and blue. No claim is made to the words "Trade-Mark."
Particular description of goods.—Core Oils and Greases.
Claims use since Aug. 30, 1924.

Ser. No. 202,743. (CLASS 38. PRINTS AND PUBLICATIONS.) DE FOREST RADIO TELEPHONE & TELEGRAPH COMPANY, Jersey City, N. J. Filed Sept. 18, 1924.

STAND-BY

Particular description of goods.—Monthly Magazine.
Claims use since June, 1923.

Ser. No. 202,778. (CLASS 38. PRINTS AND PUBLICATIONS.) GUTTAG BROS., New York, N. Y. Filed Sept. 19, 1924.

COIN BULLETIN

The drawing is lined for shading.
Particular description of goods.—Bulletin Published at Irregular Intervals.
Claims use since Apr. 4, 1923.

Ser. No. 202,789. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM BERNHEIM, Oakland, Calif. Filed Sept. 20, 1924.



The descriptive phrase "Leading Boxing Magazine of the World" being disclaimed.
Particular description of goods.—Weekly Magazine.
Claims use since Oct. 1, 1919.

Ser. No. 202,832. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

Califene

Particular description of goods.—Cottonseed and Oleostearine Shortening.
Claims use since June 1, 1909.

Ser. No. 202,838. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MEAT COMPANY, South San Francisco, Calif. Filed Sept. 20, 1924.

"GOLDEN GATE"

Particular description of goods.—Lard.
Claims use since Mar. 27, 1893.

Ser. No. 202,907. (CLASS 17. TOBACCO PRODUCTS.) UNITED STATES TOBACCO COMPANY, Jersey City, N. J., and New York, N. Y. Filed Sept. 22, 1924.

DENTYNE



SCOTCH SNUFF

Applicant disclaims the words "Scotch Snuff" appearing and admits that the same constitute no part of the trade-mark sought to be registered.

Particular description of goods.—Snuff.
Claims use since Mar. 25, 1924.

Ser. No. 202,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST INDIES FRUIT IMPORTING Co., Chicago, Ill. Filed Sept. 22, 1924.

WHITE ROSE

Particular description of goods.—Fresh Pineapples.
Claims use since 1918.

329 O. G.—37

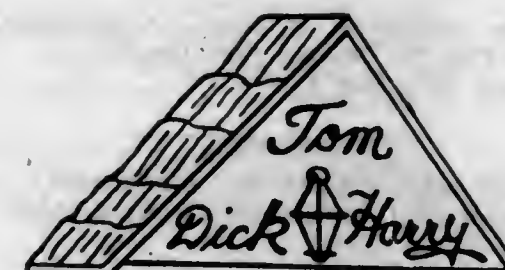
Ser. No. 202,917. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN BOTTLERS OF CARBONATED BEVERAGES, Washington, D. C. Filed Sept. 23, 1924.

BULLETIN



Particular description of goods.—Monthly Publication.
Claims use since July, 1923.

Ser. No. 202,921. (CLASS 39. CLOTHING.) BECK HAZARD, INC., New York, N. Y. Filed Sept. 23, 1924.



Particular description of goods.—Boots, Shoes, and Slippers Made of Leather, Rubber, Fabric, or Combination Thereof.
Claims use since Aug. 26, 1924.

Ser. No. 202,958. (CLASS 31. FILTERS AND REFRIGERATORS.) SOCOLD ELECTRIC REFRIGERATING CORPORATION, Lynn, Mass. Filed Sept. 23, 1924.

SOCOLD

Trade-mark consists of the word "Socold."
Particular description of goods.—Refrigerating Machinery.
Claims use since Apr. 3, 1924.

Ser. No. 202,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HILLS BROTHERS COMPANY, New York, N. Y. Filed Sept. 17, 1924.

AMAZO

Particular description of goods.—Nuts in Their Natural State.
Claims use since Aug. 29, 1924.

Ser. No. 203,030. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FARMSTEAD MINERAL MANUFACTURING COMPANY, Menno, S. Dak. Filed Sept. 25, 1924.

FARMSTEAD

Particular description of goods.—Hog Mineral Food.
Claims use since Apr. 1, 1923.

Ser. No. 203,048. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOSEPH E. MEYER, doing business as Calumet Fruit Syrups Co., Hammond, Ind. Filed Sept. 25, 1924.

Fruiticane

Particular description of goods.—Nonalcoholic, Maltless Syrup Used for Making Soft Drinks.
Claims use since May 1, 1923.

Ser. No. 203,060. (CLASS 39. CLOTHING.) AMERICAN FEMI-WEAR CORPORATION, Cleveland, Ohio. Filed Sept. 26, 1924.

Femi-wear

Particular description of goods.—Dresses, Skirts, Knitted and Textile Underwear, Aprons, Sweaters, Nightgowns, and Pyjamas.
Claims use since Sept. 23, 1924.

Ser. No. 203,079. (CLASS 37. PAPER AND STATIONERY.) JOSEPH H. HARRIS, Chicago, Ill. Filed Sept. 26, 1924.

STATUGRAPH

Particular description of goods.—Mounts Used for Mounting Photographic Reproductions.
Claims use since about Jan. 1, 1919.

Ser. No. 203,080. (CLASS 39. CLOTHING.) HOLLYWOOD FASHION FROCKS, INC., Hollywood, Calif. Filed Sept. 26, 1924.

"Hollyfrok"

Particular description of goods.—Ladies' and Children's Cloaks, Suits, and Dresses.
Claims use since Aug. 18, 1924.

Ser. No. 203,093. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KATHARINE B. ROSSIRE, doing business as The Weaver-Bird Studio, Yonkers, N. Y., and Hyannis, Mass. Filed Sept. 26, 1924.



THE WEAVER-BIRD STUDIO

Particular description of goods.—Hand-Woven Textile Fabrics—Namely, for Use as Material for Sport Skirts, Capes, Hats, Baby Blankets, Table Runners, Scarfs, Girdles, Bags, and Hooked Rugs.
Claims use since June, 1922.

Ser. No. 203,105. (CLASS 2. RECEPTACLES.) ATLAS PLYWOOD CORP., Boston, Mass. Filed Sept. 27, 1924.



Without waiving its common-law rights and purely for purposes of registration applicant disclaims the words "For Furniture" and the representation of the goods, apart from the mark shown.

Particular description of goods.—Shipping Pack.
Claims use since Sept. 15, 1924.

Ser. No. 203,108. (CLASS 2. RECEPTACLES.) LUCILLE BUEHL VANITY PRODUCTS, INC., New York, N. Y. Filed Sept. 27, 1924.

Vaniti-Bank

Particular description of goods.—Cosmetic Cases.
Claims use since Sept. 4, 1924.

Ser. No. 203,105. (CLASS 37. PAPER AND STATIONERY.) THE CHATFIELD & WOODS COMPANY, Cincinnati, Ohio. Filed Sept. 29, 1924.

DICTUM

Particular description of goods.—Writing Paper.
Claims use since Sept. 22, 1924.

Ser. No. 203,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED W. HERMAN, doing business as Pileoff Company, Sandusky and Norwalk, Ohio. Filed Sept. 29, 1924.

← PILEOFF →

Particular description of goods.—Ointment for the Treatment of Piles.
Claims use since July 1, 1924.

Ser. No. 203,207. (CLASS 12. CONSTRUCTION MATERIALS.) STRABLE HARDWOOD CO., Oakland, Calif. Filed Sept. 29, 1924.



Particular description of goods.—Flooring.
Claims use since May, 1916.

Ser. No. 203,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN J. KAMINSKAS, Chicago, Ill. Filed Sept. 30, 1924.



Applicant disclaims the words "Brand," "Malt Extract," and "Bohemian" apart from the mark as shown on the drawing.

Particular description of goods.—Malt Extract for Food Purposes.
Claims use since Aug. 1, 1924.

Ser. No. 203,250. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRANSKY & HARRIS, doing business as The B & H Pharmacal Co., Norfolk, Va. Filed Oct. 1, 1924.



The words "New Blood," "Purifies," "Builds," and "Makes Muscle" appearing in the drawing are hereby disclaimed.

Particular description of goods.—Medicines for Internal Use in the Treatment of Blood Disorders, Rheumatism, Gout, Etc.
Claims use since Aug. 1, 1924.

Ser. No. 203,251. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRANSKY & HARRIS, doing business as The B & H Drug Co., Norfolk, Va. Filed Oct. 1, 1924.



Particular description of goods.—Insecticides.
Claims use since Aug. 1, 1923.

Ser. No. 203,269. (CLASS 37. PAPER AND STATIONERY.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Filed Oct. 1, 1924.



The drawing is lined for the colors red and gold.
Particular description of goods.—Toilet Paper.
Claims use since September, 1919.

Ser. No. 203,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER J. HIRSCH COMPANY, Chicago, Ill. Filed Oct. 1, 1924.

"CHURNED AS SERVED"

Particular description of goods.—Peanut Butter.
Claims use since Mar. 1, 1924.

Ser. No. 203,275. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HYDROIL SALES CORPORATION, La Fayette, Ind. Filed Oct. 1, 1924.



Particular description of goods.—Centrifugal Separators.
Claims use since Dec. 12, 1922.

Ser. No. 203,293. (CLASS 38. PRINTS AND PUBLICATIONS.) AMUSEMENT PUBLISHING Co., Atlantic City, N. J. Filed Oct. 2, 1924.

ATLANTIC CITY MIRROR

The drawing is lined for the purpose of shading only to agree with the specimens. Trade-mark "Atlantic City Mirror."

Particular description of goods.—Weekly Magazine.
Claims use since June 1, 1920.

Ser. No. 203,389. (CLASS 39. CLOTHING.) RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 3, 1924.



Particular description of goods.—Boys' Blouses and Boys' Negligee and Work Shirts.
Claims use since July 1, 1921.

Ser. No. 203,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEVE MORRISON BEAC, doing business as Revivicine Laboratories, Chicago, Ill. Filed Oct. 4, 1924.

REVIVICINE

Particular description of goods.—Preparations for the Hair and Scalp, comprising a Liquid Tonic and Pomade.
Claims use since Jan. 1, 1924, on preparations for the hair and scalp, and since Sept. 22, 1924, on pomade.

Ser. No. 203,415. (CLASS 5. ADHESIVES.) HORUS LABORATORIES, New York, N. Y. Filed Oct. 4, 1924.



Particular description of goods.—Adhesive Cement, Glue, Mucilage, Adhesive Pastes and Liquids.
Claims use since Oct. 1, 1924.

Ser. No. 203,424. (CLASS 12. CONSTRUCTION MATERIALS.) W. J. NUSS LUMBER & SUPPLY COMPANY, Fond du Lac, Wis. Filed Oct. 4, 1924.



The words "Nuss" and "Fond du Lac" are disclaimed apart from the mark as shown, without waiver of common-law rights therein.

Particular description of goods.—Wooden Doors.
Claims use since May 24, 1924.

Ser. No. 203,446. (CLASS 39. CLOTHING.) A. I. STEPHENS & COMPANY, Chicago, Ill. Filed Oct. 4, 1924.

Personality Hats

No claim is made to the word "Hats" other than shown on the drawing.

Particular description of goods.—Women's Hats.
Claims use since May 1, 1923.

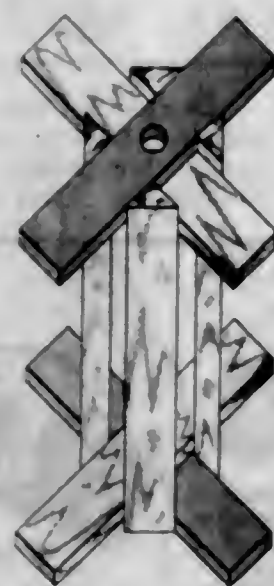
Ser. No. 203,460. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 6, 1924.



The word "Coat" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Coats for Girls and Young Ladies.
Claims use since Sept. 1, 1913.

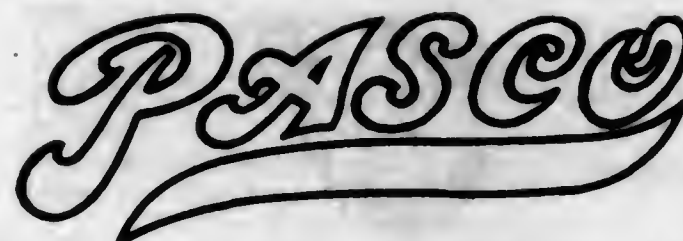
Ser. No. 203,473. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Oct. 6, 1924.



No claim is made to the representation of a spool per se appearing on the drawing. The trade-mark consists of a red flat on each end of the spool around which the barbed wire is coiled and shipped and contrasting with the natural wood of the spool.

Particular description of goods.—Barbed Wire.
Claims use since Sept. 11, 1924.

Ser. No. 203,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARSONS & SCOVILLE COMPANY, Evansville, Ind. Filed Oct. 6, 1924.



Particular description of goods.—Evaporated Milk, Potted Meat Products and Cereal, Potted Vienna Sausage, Thousand Island Dressing, Mayonnaise, Maraschino Cherries, Pepper Sauce, Fruit Preserves; Relish Made of Cabbage, Pickles, Spices, and Other Ingredients; Sugar Spread, Navy Beans, Dried Lima Beans, Rolled Oats, Rice, Tea, and Roasted Peanuts.
Claims use since 1906.

Ser. No. 203,503. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN BRICK COMPANY, Medfield and Boston, Mass. Filed Oct. 7, 1924.



Applicant disclaims the right to exclusive use of the word "Medfield" except in combination with the drawing.

Particular description of goods.—Sand-Lime Bricks.
Claims use since Sept. 30, 1924.

Ser. No. 203,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEART OF MAINE PACKING COMPANY, INC., Lewiston, Me. Filed Oct. 7, 1924.

SUN of MAINE

Particular description of goods.—Canned Vegetables, Apple Sauce, Apples in Water, and Pea Soup.
Claims use since Sept. 3, 1924.

Ser. No. 203,527. (CLASS 39. CLOTHING.) MANUFACTURERS HOME SERVICE INC., New York, N. Y. Filed Oct. 7, 1924.



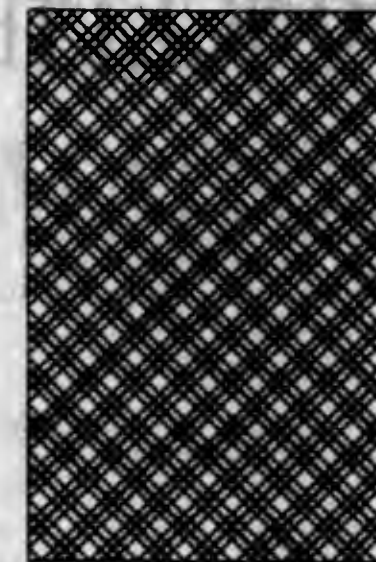
Particular description of goods.—Sweaters, Children's Suits, and Women's Dresses.
Claims use since Aug. 15, 1924.

Ser. No. 203,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSENBERGER & CURRIER, Mankato, Minn. Filed Oct. 7, 1924.

French Briar Pipes

Particular description of goods.—Candy.
Claims use since Oct. 5, 1895.

Ser. No. 203,547. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Oct. 7, 1924.



Particular description of goods.—Playing Cards.
Claims use since 1897.

Ser. No. 203,580. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & Co., Inc., Philadelphia, Pa. Filed Oct. 8, 1924. Under ten-year proviso.



Particular description of goods.—Ready-Mixed Paint.
Claims use since 1879.

Ser. No. 203,584. (CLASS 39. CLOTHING.) FARRIS NAHON, doing business as Farris Nahon Co., Springfield, Mo. Filed Oct. 8, 1924.



Particular description of goods.—Overalls, Work and Dress Shirts, and Hosiery.
Claims use since Aug. 1, 1924.

Ser. No. 203,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

S-AUTOVEL

The trade-mark consists of the word "S-Autovel."
Particular description of goods.—Upholstery Fabrics Made Wholly or in Part of Cotton, Wool, Silk, Artificial Silk, Mohair, and Hemp.
Claims use since Aug. 18, 1924.

Ser. No. 203,592. (CLASS 39. CLOTHING.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

PRINCETTE

Trade-mark consists of the word "Princette."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Outer Skirts, and Hats.
Claims use since July 17, 1924.

Ser. No. 203,594. (CLASS 39. CLOTHING.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

Bolossy

Trade-mark consists of the word "Bolossy."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Outer Skirts, and Hats.
Claims use since Aug. 2, 1924.

Ser. No. 203,598. (CLASS 39. CLOTHING.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

TIMBALENE

Trade-mark consists of the word "Timbalene."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Outer Skirts, and Hats.
Claims use since Aug. 13, 1924.

Ser. No. 203,602. (CLASS 39. CLOTHING.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

Karola

Trade-mark consists of the word "Karola."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Outer Skirts, and Hats.
Claims use since Aug. 8, 1924.

Ser. No. 203,604. (CLASS 39. CLOTHING.) SALT'S TEXTILE COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

SHAGGONA

Trade-Mark consists of the word "Shaggona."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Outer Skirts, and Hats.
Claims use since Aug. 1, 1924.

Ser. No. 203,608. (CLASS 39. CLOTHING.) ROSA BIXNER SCOGNAMILLO, New York, N. Y. Filed Oct. 8, 1924.



THE SECRET OF YOUTH

Particular description of goods.—Corsets, Brassières, Girdles, and Women's Underwear of Knitted and Textile Fabrics.
Claims use since Oct. 1, 1924.

Ser. No. 203,613. (CLASS 39. CLOTHING.) WHITEHOUSE & HARDY, INC., New York, N. Y. Filed Oct. 8, 1924.

The BAL-WIN

Particular description of goods.—Men's Shoes Made of Leather, Fabric Lined, with Leather or Rubber Soles and Heels.
Claims use since Sept. 13, 1924.

Ser. No. 203,626. (CLASS 38. PRINTS AND PUBLICATIONS.) J. W. FORSINGER CO., Chicago, Ill. Filed Oct. 9, 1924.

JEWELRY NEWS

Particular description of goods.—Jewelry Trade Journal Published Monthly.
Claims use since Feb. 1, 1924.

Ser. No. 203,627. (CLASS 38. PRINTS AND PUBLICATIONS.) J. W. FORSINGER CO., Chicago, Ill. Filed Oct. 9, 1924.

JWF Co.

Particular description of goods.—Jewelry Trade Journal Published Monthly.
Claims use since Feb. 5, 1919.

Ser. No. 203,647. (CLASS 38. PRINTS AND PUBLICATIONS.) REVIEW AND HERALD PUBLISHING ASSN., Takoma Park, Washington, D. C. Filed Oct. 9, 1924.

Life & Health

Particular description of goods.—Monthly Publications.
Claims use since June 14, 1904.

Ser. No. 203,648. (CLASS 38. PRINTS AND PUBLICATIONS.) REVIEW AND HERALD PUBLISHING ASSN., Takoma Park, Washington, D. C. Filed Oct. 9, 1924.

The Present Truth

Particular description of goods.—Semimonthly Publications.
Claims use since Jan. 3, 1917.

Ser. No. 203,688. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MAGNETIC SPRINGS WATER CO., Sherman, Calif. Filed Oct. 10, 1924.



The lines on drawing indicate the colors red and purple.

Particular description of goods.—Nonmedicinal Natural Spring Water for Beverage.
Claims use since Feb. 4, 1924.

Ser. No. 203,692. (CLASS 39. CLOTHING.) ROYAL BOOT SHOP INC., Philadelphia, Pa. Filed Oct. 10, 1924.



The exclusive right to the word "Shoe" is herein disclaimed apart from the mark shown upon the drawing without, however, waiving any common-law rights thereto.
Particular description of goods.—Shoes for Men, Women, and Children, said Shoes Being Manufactured of Leather.
Claims use since Sept. 4, 1924.

Ser. No. 203,695. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GODFREY SCHMIDT, doing business as Margo Distributing Company, Dayton, Ohio. Filed Oct. 10, 1924.

MARGO

HERBS
TABLETS

No claim is made to the words "Herbs Tablets" apart from the mark shown.

Particular description of goods.—Herb Tablets for Blood, Stomach, and Liver Disorders.
Claims use since Sept. 15, 1922.

Ser. No. 203,706. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Oct. 11, 1924.

REGINA

Particular description of goods.—Leather and Silk Gloves.
Claims use since April, 1899.

Ser. No. 203,720. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CRAWFORD, MCGREGOR AND CANNY COMPANY, Dayton, Ohio. Filed Oct. 11, 1924.

PARAGON

Particular description of goods.—Golf Clubs.
Claims use since December, 1923.

Ser. No. 203,737. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KALMAN MANAS, doing business as Manas's Malted Milk Co., New York, N. Y. Filed Oct. 11, 1924.

MALTAMILK

Particular description of goods.—Malted Milk.
Claims use since about Sept. 1, 1924.

Ser. No. 203,762. (CLASS 39. CLOTHING.) J. ULLMAN & SONS, Reading, Pa. Filed Oct. 11, 1924.

The Bestap

Particular description of goods.—Composition Shoe Soles Made of Crude Rubber and Compounding Materials Added to Stiffen the Same and to Resist Wear and Abrasion.

Claims use since Oct. 2, 1924.

Ser. No. 203,768. (CLASS 32. FURNITURE AND UP-HOLSTERY.) CLYDE W. WARREN, doing business as Automatic Shade Co., Sauk Rapids, Minn. Filed Oct. 11, 1924.



Particular description of goods.—Porch Shades.
Claims use since on or about Aug. 2, 1924.

Ser. No. 203,769. (CLASS 32. FURNITURE AND UP-HOLSTERY.) CLYDE W. WARREN, doing business as Automatic Shade Co., Sauk Rapids, Minn. Filed Oct. 11, 1924.



Particular description of goods.—Porch Shades.
Claims use since Aug. 2, 1924.

Ser. No. 203,778. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AMERICAN SODA WATER COMPANY, St. Louis, Mo. Filed Oct. 13, 1924.



No claim is made to the word "Soda" apart from the mark shown.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since June 16, 1924.

Ser. No. 203,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIGMUND L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill. Filed Oct. 13, 1924.



Particular description of goods.—Malt Sirup for Food Purposes.

Claims use since Jan. 8, 1923.

Ser. No. 203,835. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PORTLAND WIRE & IRON WORKS, Portland, Oreg. Filed Oct. 13, 1924.



Particular description of goods.—Automatic Coal Burner.

Claims use since July, 1923.

Ser. No. 203,846. (CLASS 35. PRINTS AND PUBLICATIONS.) SURREY-AREDALE COMPANY, INC., Charlottesville, Va. Filed Oct. 13, 1924.

POW-WOW

Particular description of goods.—Publication (Name of House Organ).

Claims use since Dec. 1, 1923.

Ser. No. 203,858. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THOS. E. WILSON & Co., Chicago, Ill. Filed Oct. 13, 1924.

Walker Cup

Particular description of goods.—Golf Clubs.
Claims use since Oct. 3, 1924.

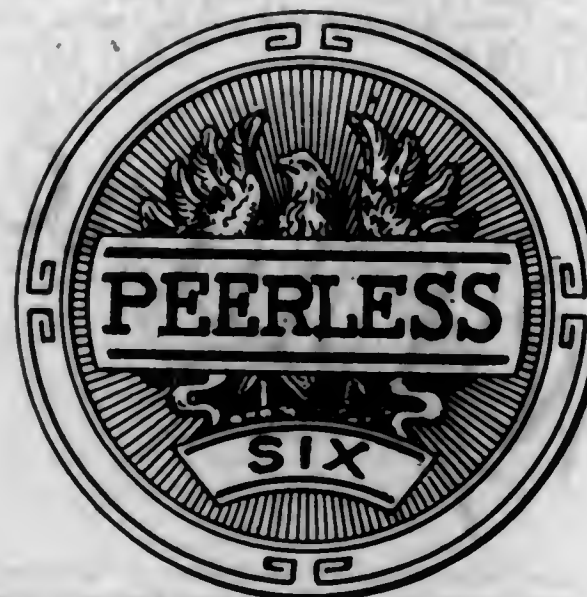
Ser. No. 203,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENCELOTARIA MEDICINE Co., INC., New York, N. Y. Filed Oct. 15, 1924.



No rights are asserted to the exclusive use of the words "Specially Perfumed," "Alcoholado," and "Porto Rico" except as forming part of the trade-mark shown in the drawing.

Particular description of goods.—Bay Rum.
Claims use since June 25, 1923.

Ser. No. 203,902. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PEERLESS MOTOR CAR COMPANY, Cleveland, Ohio. Filed Oct. 15, 1924.



Particular description of goods.—Motor Cars.
Claims use since Mar. 6, 1924.

Ser. No. 203,904. (CLASS 39. CLOTHING.) RICE AND HUTCHINS, INCORPORATED, Boston, Mass. Filed Oct. 15, 1924.

ARCH-ELATOR

Particular description of goods.—Boots and Shoes of Leather, Fabric, or Combination of These Materials.
Claims use since July 22, 1924.

Ser. No. 203,938. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. G. COLLINS, Kansas City, Mo. Filed Oct. 16, 1924.

Collins

The trade-mark is a signature of applicant.
Particular description of goods.—Antifreeze Composition for Automobile Radiators and the Like.
Claims use since October, 1921.

Ser. No. 203,953. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Oct. 16, 1924.

CASHONA

Particular description of goods.—Worsted and Woolen Textile Fabrics.

Claims use since July 15, 1924.

Ser. No. 203,966. (CLASS 32. FURNITURE AND UP-HOLSTERY.) MATHER BROTHERS, Atlanta, Ga. Filed Oct. 16, 1924.

"LITTLE BILLY"

Particular description of goods.—Children's Chairs.
Claims use since October, 1918.

Ser. No. 203,973. (CLASS 39. CLOTHING.) SAMUEL H. RAUSCHER, Baltimore, Md. Filed Oct. 16, 1924.

ROUGHERS

Particular description of goods.—Creeper, Rompers, Play Suits, Wash Suits, One-Piece Garments, Blouses, Overalls, Knee Pants for Children, Boys, and Youths.
Claims use since January, 1903.

Ser. No. 203,991. (CLASS 39. CLOTHING.) WEILL & HARTMANN, New York, N. Y. Filed Oct. 16, 1924.



No claim is made to the words "Trade-mark" apart from the mark shown on the drawing.

Particular description of goods.—Women's and Misses' Coats, Suits, Dresses, and Waists.
Claims use since Oct. 1, 1924.

Ser. No. 203,993. (CLASS 35. PRINTS AND PUBLICATIONS.) THE GEORGE MATTHEW ADAMS SERVICE, New York, N. Y. Filed Oct. 17, 1924.

MODISH MITZI

Particular description of goods.—Series of Cartoons.
Claims use since on or about Oct. 22, 1923.

Ser. No. 203,994. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 17, 1924.

CAMOGRAPH

Particular description of goods.—Oxyacetylene Cutting Apparatus.
Claims use since April, 1919.

Ser. No. 203,995. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 17, 1924.

RADIOGRAPH

Particular description of goods.—Oxyacetylene Cutting Apparatus.
Claims use since April, 1919.

Ser. No. 204,008. (CLASS 39. CLOTHING.) CARLISLE SHOE COMPANY, Carlisle, Pa. Filed Oct. 17, 1924.

TARSALIFT

Particular description of goods.—Boots and Shoes Made of Leather or Leather and Cloth.
Claims use since Aug. 21, 1924.

Ser. No. 204,014. (CLASS 5. ADHESIVES.) CO-OPERATIVE CHEMICAL CO., St. Louis, Mo. Filed Oct. 17, 1924.



Particular description of goods.—Hose and Gasket Cements and Plastic Cements.
Claims use since Sept. 28, 1924.

Ser. No. 204,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM C. FITZ GIBSON, doing business as Odor-No-Mor Company, Washington, D. C. Filed Oct. 17, 1924.

ODOR-NO-MOR

Particular description of goods.—Deodorant Toilet Powder.
Claims use since Aug. 1, 1923.

Ser. No. 204,023. (CLASS 39. CLOTHING.) FRENCH-AMERICAN CLOAK & SUIT MFG. CO., Los Angeles, Calif. Filed Oct. 17, 1924.



Particular description of goods.—Women's Coats, Cloaks, Dresses, Suits, and Blouses.
Claims use since Feb. 1, 1924.

Ser. No. 204,034. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Roberts, Johnson and Rand, St. Louis, Mo. Filed Oct. 17, 1924.



Particular description of goods.—Boots and Shoes of Leather.
Claims use since Oct. 1, 1924.

Ser. No. 204,036. (CLASS 39. CLOTHING.) WILLIAM KLEINBERG, doing business as Wm. Kleinberg & Co., Rochester, N. Y. Filed Oct. 17, 1924.



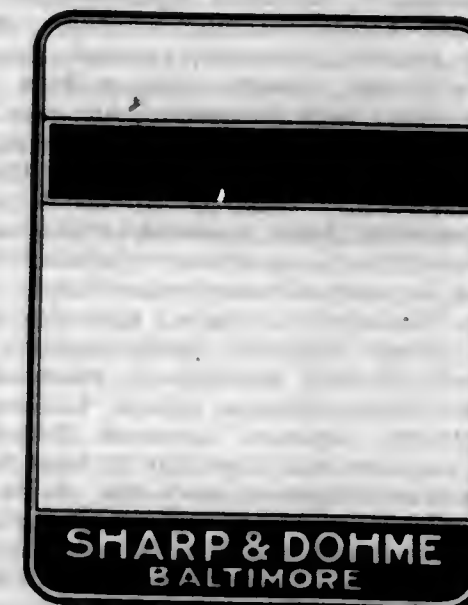
Particular description of goods.—Ladies' Coats and Capes.
Claims use since Apr. 1, 1924.

Ser. No. 204,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERHASTIN FRUIT GROWERS ASSOCIATION, Peshastin, Wash. Filed Oct. 17, 1924.



The lining of drawing indicates the color blue.
Particular description of goods.—Fresh Fruits—Name-ly, Apples.
Claims use since Sept. 20, 1913.

Ser. No. 204,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHARP & DOHME, Baltimore, Md., Chicago, Ill., New Orleans, La., St. Louis, Mo., Atlanta, Ga., Kansas City, Mo., and Philadelphia, Pa. Filed Oct. 17, 1924.



No claim is made to the exclusive use of the name "Baltimore" appearing in the drawing. The mark consists of a parallelogram having rounded corners and defined by light and dark border lines, a broad band extending across the lower end of the panel, and a second band extending across the panel near the upper end thereof, and there being light lines adjacent both bands connecting the light border lines.

Particular description of goods.—Absorbents, Alteratives, Analgesics, Anaphrodisiacs, Anesthetics, Anodynes, Antisiphilitics, Antacids, Antiarthritics, Anthelmintics, Antichlorotics, Antiemetics, Antiepileptics, Antigalactagogues, Antigonorrheals, Antihydropsics, Antilitics, Antineuralgics, Antiparasitics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antiseptics, Antisialagogues, Antispasmodics, Antizymotics, Aperients, Aphrodisiacs, Aromatics, Aromatic Bitters, Astringents, Bitters (Simple), Calefacients, Cardiac Depressants, Cardiac Sedatives, Cardiac Stimulants, Carminatives, Cathartics, Caustics, Cerebral Depressants and Stimulants, Cholagogues, Constructives, Correctives, Counter-irritants, Demulcents, Deodorants, Deoxidizers, Depilatories, Depressants, Depresso-Motors, Depurants, Detergents, Diaphoretics, Digestives, Diluents, Disinfectants, Diuretics, Drastics, Echolics, Emetics, Emmenagogues, Emollients, Errhines, Escharotics, Evacuants, Excitants, Expectorants, Febrifuges, Galactagogues, Gastric Tonics, Hemostatics, Hydrogogues, Hypnotics, Irritants, Laxatives, Local Anesthetics, Motor Depressants, Motor Excitants, Mydriatics, Myotics, Narcotics, Nervines, Neurotics, Nutrients, Nutriants, Oxytocics, Peristaltics, Prophylactics, Protectives, Ptyalagogues, Purgatives, Pustulants, Refrigerants (Medicinal), Resolvents, Respiratory Depressants, Respiratory Stimulants, Restoratives, Revulsants, Rubefacients, Sedatives, Siagogues, Soporifics, Sorbefacients, Specifics, Sternutatories, Stimulants (Cardiac, Cerebral, Hepatic), Stomachics, Styptics, Sudorifics, Tonicides, Tensifuges, General Tonics, Vasoconstrictors, Vasodilators, Vascular Sedatives, Vermicides, Vermifuges, Vesicants: Acids—Namely, Acetic, Acetic Anhydride, Glacial Acetic, Acetyl Salicylic, Aconitic, Arsenous, Benzoic, Boric, Butyric, Cacodylic, Camphoric, Carbolic, Cresylic, Cubebic, Chromic, Chrysophanic, Cinnamic, Citric, Creosotic, Diethylbarbituric, Formic, Gallic, Glycerinophosphoric, Hydrobromic, Hydrochloric, Hydriodic, Hydrocyanic, Hydrofluoric, Hypophosphoric, Hypophosphorus, Lactic, Monochloroacetic, Nitric, Nucleinic, Oleic, Oxalic, Oxybenzoic, Palmitic, Phosphoric, Phosphoric Glacial, Phenylechinonic, Phthalic, Picric, Pyrogallic, Pyrosulphuric, Rosolic, Salicylic, Silicic, Stearic, Succinic, Sulphuric, C. P., Sulphuric Com-

merical, Sulphurous, Tannic, Tartaric, Valerianic; Chemicals and Drugs—Namely, Abscess Root, Acetanilid, Acacia, Acetphenetidin, Acetyl Chloride, Acid Sodium Oleate, Acid Sodium Phosphate, Aconite Leaves, Aconite Root, Aconite Herb, Aconitine Crystals, Aconitine Nitrate, Aconitine Amorphous, Aconitine Hydrobromide, Adeps Lane, Adonidin, Adonis Vernalis, Adrenalin, Esculin, Agaric White, Agaricin, Agar-agar, Agrimony, Egg Albumen, Albargin Powder, Aletris, Alkanet Root, Althea Root, Allspice, Allyl Isosulphocyanate, Almonds (Bitter and Sweet), Almond Meal, Aloin, Aloes Cape, Aloes Curacao, Aloes Socotrine, Alpha Naphthol, Aluminum Acetate, Aluminum and Potassium Nitrate Salt, Alum, Aluminum Hydroxide, Alum Ammonia, Aluminum Chloride, Aluminum Nitrate, Aluminum Sulphate, Ambrol; Ammonia and Ammonium Compounds—Namely, Benzoate, Bromide, Carbonate, Acetate, Chloride, Citrate, Ferric Alum, Ferric Sulphate, Hypophosphite, Iodide, Muriate, Nitrate, Oxalate, Persulphate, Phosphate, Picrate, Salicylate, Sulphocyanate, Spirits, Sulphocyanide, Sulphate, Sulphide, Valerate, Ammonia Water; Ambergris Gray, Amyl Acetate, Amyl Nitrite, Amyl Valerate, Amylopsin, Amylene Hydrate, Anemonin, Anethol, Angelica Root, Angelica Seed, Angostura Bark, Anise, Star Anise; Antimony Compounds—Namely, Arsenate, Arsenite, Black, Chloride, Oxide, Sulphide Golden, Sulphurated, Tartrate; Antipyrine, Apomorphine Hydrochloride, Apomorphine Hydrobromide, Apomorphine Apocynum, Apocynum Cannabium, Apple-Tree Bark, Apio Green, Agaric, Arbutin, Areca Nuts, Arecoline, Arecoline Hydrobromide, Arecoline Hydrochloride, Arbor Vitae, Aristol, Arnica Flowers, Arnica Root, Argyrol, Aristochin, Arrhenal, Arsenic, Arsenic Chloride, Arsenic Sulphide, Arsenic Trioxide, Arsenic Bromide, Arsenic Iodide, Arsenous Iodide, Arsenous Chloride, Asafetida, Asparagin, Asparagus Root, Asparagus Seed, Atoxyl, Atropine, Atropine Sulphate, Atropine Valerate, Avena Root, Avena Legumin, Avenin, Alcohol, Benzyl Alcohol, Dehydrated Alcohol, Methyl Alcohol, Isobutyl Alcohol, Denatured Alcohol, Bael Fruit, Balm Gilead Buds, Balmory, Balsam Copaiba, Balsam Light, Balsam Fir, Balsam Para, Balsam Peru, Balsam Sulphur, Balsam Tolu, Balsam Cur-Jun, Bamboo Brier Root, Barberry Bark, Barbitol Sodium, Barbitol; Barium and Its Compounds—Namely, Chloride, Carbonate, Dioxide, Hydroxide, Crystals, Iodide, Nitrate, Peroxide, Sulphate, Sulphide, Sulphite; Bay Laurel, Bayberry Bark, Bear's-Foot Root, Belladonna Leaves, Belladonna Herb, Belladonna Root, Beeswax, Benzaldehyde, Benzoin, Benzole, Benzyl Chloride, Benzyl Benzoate, Benzyl Succinate; Berberin and Salts—Namely, Bisulphate, Hydrochloride, Phosphate, Sulphate, Acid Sulphate, Nitrate; Berberis, Aquifolium, Beta Naphthol, Beta Naphthol Benzoate, Beth Root, Bismuth Beta Naphthol, Biebrick Scarlet Red, Birch Bark; Bismuth and Compounds—Namely, Citrate, Ammonium Citrate, Nitrate, Oxide, Subcarbonate, Oxidide, Subgallate, Phosphate, Salicylate, Subsalicylate, Subcarbonate, Subnitrate, Subsulphate, Trioxide; Bitter Root, Bittersweet Bark, Bittersweet Herb, Bittersweet False, Black-Ash Bark, Blackberry Juice, Blackberry Bark of Root, Black Haw, Black Cohosh, Black Hellebore, Black Pepper, Black-Willow Bark, Black-Willow Buds, Black-Walnut Hulls, Bladder Wrack, Blessed Thistle, Bloodroot, Blue Cohosh, Blue Flag, Blue Mallow, Blue Mass, Bluestone, Boldo Leaves, Boneset, Borage Leaves, Borax, Boxwood, Brain Substance, Bone Black, Bromine, Bromopin, Bromoform, Broomcorn Seed, Broom Tops, Brucine, Bryonia, Bryonin, Buchu, Buckbean Leaves, Buckbean Root, Buckhorn Brake, Buckeye Bark, Buckthorn Bark, Buckthorn Berries, Bugleweed, Burdock Root and Seed, Butterfly Root, Butternut Bark, Button Snakeroot, Cactin, Cactoid, Cactus Grandiflorus, Caffeine, Caffeine Hydrochloride, Caffeine Citrate, Caffeine Hydrobromide, Caffeine Muriate, Calabar Bean, Calamine, Calamus Root, Calcidin, Calcium Bromide, Calendula, Calcium Chloride; Calcium and Its Compounds—Namely, Cyanamid, Creosote, Formate, Fluoride, Glycerophosphate, Hypophosphite, Hydroxide, Iodide, Lactate, Lactophosphate, Nitrate, Peroxide, Phenopsulphonate, Phosphate, Oxylate, Oxide, Perma-

ganate, Salicylate, Sulphate, Sulphide; Calomel, Camphor, Camphor Monobromated, Canella Bark, Cannabin Tannate, Cannabis Americana, Cannabis Indica, Cantharidine, Cantharides, Capsicum, Caprepalin, Caraca, Cocoa Beans, Caramel, Caraway Seed, Carbon Disulphide, Carbon Tetrachloride, Cardamom Seed, Caroba Leaves, Cascara Bark, Caseln, Cascara Amarga, Cascara Sagrada, Cascarilla Bark, Cassia, Cassia Fistula, Cassia Ceylon, Caustic Soda (Nitrous), Catechol, Castor Beans, Castor Fiber, Castor Leaves, Castor Oil, Castor-Oil Seeds, Catechu, Catnip Herb, Cayenne, Celandine (Garden), Celery Seed, Celery Root, Cellulidin, Centaury Americana, Centaury Minor, Centaury Flowers Blue, Cerium Nitrate, Cerium Oxalate, Cerrhalsin, Cetonine Muriate, Chalk, Chamomile Flowers (German, Roman, and Hungarian), Chapiro Amargoso, Charcoal (Animal, Willow, Short Purified, and Blood), Checkerberry, Chekan Leaves, Cherry Laurel Water, Chestnut Leaves, Chelonoid, Chickweed Red, Chicory Root, Chillies Zanzibar, Chinoidine, Chiretta, Chloral Hydrated, Chloroform, Chlorophyll, Chloroform, Chromium Sulphate, Chrysarobin, Cinchona Callaya, Cinchona Pale, Cinchona Bark Red, Cinchona Yellow, Cinchonidine, Cinchonidine Dihydrobromide, Cinchonidine Hydrobromate, Cinchonidine Salicylate, Cinchonidine Sulphate, Cinchonine, Cinchonine Salicylate, Cinchonine Sulphate, Cinnamon Bark, Cinnamon Saigon, Cinnamic Aldehyde, Citral, Cleavers, Clover (Red and White), Cloves, Cobalt Nitrate, Cacao Butter, Cocaine, Cocaine Hydrochloride, Cocaine Sulphate, Cocineal, Cocillana, Cacao Leaves, Coccus Indicus, Codeine, Codeine Acetate, Codeine Hydrochloride, Codeine Nitrate, Codeine Phosphate, Codeine Sulphate, Codeine Salicylate, Colechicum Root, Colechicum Seed, Colechicine, Colechicine Salicylate, Cocillanna, Colodion, Colocynth Apple, Colocynth Pulp, Coltsfoot, Colombo Root, Comfrey Root, Condurango, Conline, Conline Hydrobromide, Conline Hydrochlorate, Conium Leaves, Convallemarin, Coolwort, Copper Arsenite, Copper Acetate, Copper Nitrate, Copper Oxide Black, Copper Phosphate, Copper Sulphate, Copper Sulphocarbonate, Cotton-Root Bark, Coriander Seed, Corn Silk, Corpus Luteum, Smut, Corrosive Sublimite, Coto Bark, Cottonseed Oil, Couch Grass, Cowhage, Cramp Bark, Crane's-Bill, Cream Tartar, Creosote, Beechwood, Creosote Carbonate, Cresol, Cresolis Compound, Cube, Cube Gambler, Cudbear, Culver's Root, Cumarin, Cutch, Damiana Leaves, Dandelion, Deer-Tongue Leaf, Dewberry, Dextrine Powder, Dextrose, Diacetyl Morphine, Diastase, Diastase Malt, Digitalin, Digitalis Leaves, Digitoxin, Dittany, Diuretin, Dog-Grass, Dogwood, Duotal, Duboisine Sulphate, Dwarf-Elder Root, Echinacea Root, Elaterin, Elaterium, Elder Bark, Elder Flowers, Elecampane Root, Elder-Flower Water, Elm Bark (Slippery), Emetine Hydrochloride, Ergot, Eserine, Eserine Salicylate, Eserine Sulphate, Ether, Ether Nitrous Concentrated, Eucalyptol, Ethyl Acetate, Ethyl Bromide, Ethyl Formate, Ethyl Iodide, Eucalyptus Leaves, Euphorbia Pilulifera, Evergreen, Euphorbia Hypericifolia, Euonymin Green, Evening Primrose, Extract of Pine Needles, Extract of Malt, Eyebright Herb, Fennel Seed, Feverfew, Fishberries, Fligwort, Five-Flower Gentian, Fleabane, Flaxseed Meal, Fenugreek Seed, Formaldehyde, Formin, Fringe-Tree Bark, Frostwort, Fumitory, Fustic, Gaduol, Galangal Root, Guarana, Gambier, Gamboge, Garlic, Garden Lettuce, Gelatin, Gelseminine, Gelseminine Hydrobromide, Gelseminum, Gentian, Ginger (African and Jamaica), Giant Ragweed, Ginger Wild, Gingerine, Ginseng Root, Glauber Salt, Glucose, Glycerin, Glycyrrhizin, Glycyrrhizin Ammoniated, Goat's Rue, Gold Bromide, Gold Chloride, Gold and Sodium Chloride, Gold Iodide, Gold Tribromide, Goldenrod, Golden Seal, Green Soap, Goldthread, Gravel Plant, Grindella Robusta, Guaiac, Guaiacol, Guaiacol Carbonate, Guarana, Guaranine; Gums—Namely, Ammoniac, Acacia, Catechu, Chicla, Damar, Euphorbium, Ghatti, Guarana, Galbanum, Kino, Mastic, Myrrh, Opium (Red), Olibanum Tears, Sagenum, Sandarac, Senegal, Tragacanth, Turpentine; Haircap Moss, Hardhack, Hawthorn Berries, Hellebore (Black and White), Helonias, Hematoxylin, Hemlock, Hemogallol, Hemoglobin, Hemp American White, Hen-

bane, Henna Leaves, Heroin, Heroin Hydrochloride, Histamine Hydrochloride, Hernaria Herb, Hexamethylene-tetramine, Homatropine, Homatropine Hydrobromide, Holocaine, Honey, Hops, Horehound Herb, Horse-Chestnut Bark, Horsemint, Horse-Nettle Berries, Horse-Radish Leaves, Horse-Radish Root, Hound's-Tongue, Huckleberry Leaves, Hydrangen, Hydrastine Alkaloid, Hydrastine Hydrochloride, Hydrastine Sulphate, Hydrastin, Hydroquinine, Hydroquinine Hydrochloride, Hydrogen Peroxide, Hyoscine, Hyoscine Hydrobromate, Hyoscine Hydrochloride, Hyoscine Sulphate, Hyoscyamine, Hyoscyamine Hydrobromide, Hyoscyamine Sulphate, Hypophysics, Hyssop, Ichthalbin, Ignatia Bean, Black Hemp, White Hemp, Canadian Hemp, Indian Turnip, Iodine, Iodoform, Insect Flowers, Iodole, Iodolbin, Ionone, Ipecac; Iron and Its Compounds—Namely, Acetate, Albuminate, Ammonia, Arsenate, Arsenite, Arsenite with Ammonium Citrate, Bromide, Bihydrogen, Cacodylate, (Ammonia Citrate), Carbonate Precipitated, Carbonate Mass, Carbonate Saccharated, Chloride, Chloride Solution, Citrate Solution, Citrate Scales, Citrate Insoluble, Citrate and Ammonia, Citrate and Manganese, Citrate and Quinine Soluble, Citrate and Quinine Insoluble, Citrate and Strychnine, Citrate-Quinine and Strychnine, Citrate Insoluble Powder Dialyzed, Ferrocyanide, Formate, Glycerophosphate, Hydrocyanate, Hydroxide, Hypophosphate, Hypophosphite, Hyposulphite, Iodide, Lactate, Nitrate Solution, Oxalate, Oxide Powdered, Oxide Saccharated, Oxide Anhydrous, Oxide Hydrate, Oxide Metallic, Peptonized, Peptonate, Phosphate Soluble, Phosphate Precipitated, Protochloride, Protobromide, Pyrophosphate Soluble, Protocarbonate, Pyrophosphate Solution Reduced, Subcarbonate, Subsulphate Solution, Subsulphate, Succinate, Sulphate Ferric, Sulphate Crystals, Sulphate Dried Powdered, Sulphide, Sulphurett, Tartrate and Potassium, Tersulphate, Valerate Ferric, Ironwood, Iron Ivy American, Irish Moss, Jaborandi Leaves, Jalapin, Jalap, Jambul Seed, Jequirity Seed, Jersey Tea, Johnswort Herb, Judas-Tree Bark, Juniper Berries, Kamla, Kaolin, Kava Kava, Kino, Kieselguhr, Kola Nuts, Kouso Flowers, Lactucarium, Lady's-Slipper, Lard Benzoinated, Laurel Leaves, Larkspur Seed, Lavender Flowers, Lead Acetate, Lead Carbonate, Lead Oxide, Lead Metallic, Lead Nitrate, Lead Oxide Red, Lead Oxide Yellow, Lead Peroxide, Lecithin, Lemon Balm, Lemon Peel, Lettuce Leaves, Lettuce Wild, Liverwort Herb, Licorice Root, Licorice-Root Compound Powder, Life Everlasting, Life Plant, Lily Root, Lily of the Valley, Lime Juice, Linden Flowers, Lippa Mexicana, Litharge, Lithia Benzoate, Lithia Benzoate Salicylate, Lithia Bitartrate, Lithia Bromide, Lithia Carbonate, Lithia Citrate, Lithia Iodide, Lithia Salicylate, Lithia Tartrate, Liverwort, Lobeline Sulphate, Liquor Cresolis Compound, Lobelia Herb, Lobelia Seed, Logwood, Lovage Leaves, Lovage Root, Lungwort, Lupulin, Lycopodium, Red-Rose Leaves, Magnesia Bromide, Magnesia, Magnesia (Calcined), Magnesia (Heavy and Light), Magnesia Citrate, Magnesia Carbonate (Heavy and Light), Magnesia Chloride, Magnesia Formate, Magnesia Glycerophosphate, Magnesia Hypophosphite, Magnesia Iodide, Magnesia Lactate, Magnesia Oxide, Magnesia Nitrate, Magnesia Peroxide, Magnesia Phosphate, Magnesia Phosphate and Ammonia, Magnesia Salicylate, Magnesia Silicate, Magnesia Sulphate, Magnesia Sulphite, Malt, Maldenhair, Magnolia Bark, Malefern Oleoresin, Malva Flowers Blue, Manaca Root, Mammary-Gland Substance, Mammary Gland Desiccated, Mangrove Bark, Mandrake, Mannite; Manganese and Its Compounds—Namely, Citrate Soluble, Carbonate, Citrate, Chloride, Dioxide, Glycerophosphate, Hypophosphite, Iodide, Lactate, Oxide Black, Oxide Heavy, Nitrate, Peptonized, Peptonate, Phosphate, Sulphate, Salicylate; Manna, Manzanilla Leaves, Marigold, Marjoram Sweet, Marsh-mallow (Leaves and Flowers), Marshmallow-Root, Marsh Rosemary, Matico, Mayapple, Menthol; Mercury and Its Compounds—Namely, Ammoniated Benzoate, Bromide, Bisulphate, Cyanide with chalk, Iodide Green, Iodide Red, Iodide Yellow, Nitrate, Oxide Red, Oxide Yellow, Oxide White, Oleate, Oxycyanide, Salicylate, Succinimide, Soziodole, Tannate; Mercurous Iodide Yellow, Meto-

Cresol, Methylene Blue, Methyl Iodide, Methyl Salicylate, Mezereon Bark, Mezereum Bark, Milkweed, Mountain Mint, Mistletoe, Mombassa Chillies; Morphine and Its Compounds—Namely, Acetate, Bimeconate, Bromide, Citrate, Diacetyl, Diacetyl Hydrochloride, Diacetyl Hydrobromide, Hydrochloride, Bimeconate, Phosphate, Phthalate, Hydrobromide, Tannate, Sulphate; Valerianate, Tartrate; Motherwort Leaves, Motherwort Herb, Mountain Laurel, Mullein Flowers, Mullein Leaves, Mugwort, Mulrapuama, Musk Root, Musk Tonquin, Musk Artificial, Mustard Seed, Myrrh, Moss (Haircap, Iceland, Irish), Mercurial Ointment, Naphthalene, Naphthol Alpha, Naphthol Beta, Naphthol Beta and Bismuth, Naphthol Beta Benzoate, Naphthol Hydrochloride, Narseline, Narcotin, Nettle, Nickel Bromide, Night-Blooming Cereus, Nitroglycerin, Novocain, Novocain Hydrochloride, Nutgalls, Nutmeg, Nux Vomica, Oak Leaves (Jerusalem and Poison), Oak Bark (Red and White), Oats, Oil Apricot Kernels, Oil Almonds Bitter, Oil Almonds True, Oil Almonds Sweet, Oil Amber, Oil Animal, Oil Anise, Oil Staranise, Oil Bay, Oil Balm, Oil Bergamot, Oil Betula, Oil Birch, Oil Cade, Oil Camphor, Oil Cajuput, Oil Calamus, Oil Cardamom, Oil Caraway, Oil Canada Snakeroot, Oil Cassia, Oil Castor, Oil Cedarwood, Oil Celery Seed, Oil Camomile, Oil Chaulmoogra, Oil Cinnamon Ceylon, Oil Cloves, Oil Cod Liver, Oil Chloroform, Oil Copaiba, Oil Coconut, Oil Coriander, Oil Cottonseed, Oil Croton, Oil Cubes, Oil Cumini, Oil Erigeron, Oil Ethereal, Oil Eucalyptus, Oil Fennel, Oil Geranium, Oil Haarlem, Oil Hemlock, Oil Horsemint, Oil Hyssop, Oil Juniper Berries, Oil Laurel, Oil Lard, Oil Lavender, Oil Linseed, Oil Lemon, Oil Lobelia, Oil Lemon Terpeneless, Oil Mineral, Oil Mustard, Oil Mirbane, Oil Marjoram, Oil Myristica, Oil Neroli, Oil Nutmeg, Oil Olive, Oil Origanum, Oil Attar of Rose, Oil Orange Bitter, Oil Orange Sweet, Oil Orris Root, Oil Parsley Seed, Oil Peanut, Oil Pennyroyal, Oil Pepper Black, Oil Peppermint, Oil Pimento, Oil Pinus Pumilionis, Oil Pine Needles, Oil Rosemary, Oil Sandalwood, Oil Sassafras, Oil Savin, Oil Saw Palmetto, Oil Spearmint, Oil Sesame, Oil Spice, Oil Thuja, Oil Tansy, Oil Tar, Oil Thyme, Oil Turpentine, Oil Verbena, Oil Wine, Oil Wintergreen, Oil Wormwood, Oil Wormseed, Orange-Flower Water, Orange Peel Bitter, Orange Sweet, Orchic Gland Desiccated, Orchic Extract, Orris Root, Orthoform Powder, Opium, Ozier Bark (Green), Ovarian Substance Desiccated, Osgall Powdered Extract, Osgall Purified Powder, Ovarian Glands Desiccated; Oleoresins, as Follows: Black Pepper, Buchu, Capsicum, Cube, Ginger, Lupulin, Malefern, Matico, Parsley Seed, Kava Kava, Saw Palmetto, Pancreatin, Pancreas Substance Desiccated, Pancreatin Saccharated, Papain, Paraformaldehyde, Paraldehyde, Pareira Brava, Parilla Yellow, Parsley Root, Parsley Seed, Passion Flower, Paw Paw, Pelettierine, Peillitory Root, Penny Root, Pennyroyal Leaves, Pepper Black, Pepper White, Peppermint Herb, Pepsin Powder 1:3000, Pepsin Granular 1:3000, Pepsin Glycerole, Pepsin Lacticated, Persimmon, Petrolatum, Petroleum (Amber, Crude, Liquid, White), Phenacetine, Phenolphthalein, Phosphorus Trichloride, Phosphorus Oxichloride, Phosphorus Pentachloride, Phosphorus Spirit N. F., Phosphorus Amorphous, Pichi, Picrotoxin, Pilocarpine, Pilocarpine Hydrochloride, Pilocarpine Nitrate, Pimpinella, Pimento Powdered, Pineal Substance Desiccated, Pinkroot, Pinus Canadensis, Pitcher Plant, Pituitary Substance, Pituitary Gland, Piperazine, Pituitary Anterior Substance, Piperine, Pipsissewa, Plantain, Pleurisy Root, Placenta Powdered, Podophyllin, Poison-Oak Leaves, Poke Berries, Pokeroor, Pomegranate, Poplar Bark, Poppy Heads, Poppy Flowers, Poppy Leaves; Potassium and Its Compounds—Namely, Acetate, Arsenate, Arsenite, Bicarbonate, Bichromate, Biphosphate, Bisulphate, Bitartrate, Bromate, Bromide, Carbonate Calcined, Chlorate, Chloride Pure, Chromate Yellow, Citrate, Cyanide, Dichromate, Ferrocyanide, Formate, Glycerophosphate, Gualacol Sulphonate, Manganate, Nitrate, Hypophosphite, Iodide, Iodate, Permanganate, Phosphate, Perchlorate, Persulphate, Prussiate Yellow, Salicylate, Sulphate, Thiocyanate, Sulphocyanate, Tartrate, Prickly-Ash Bark, Prickly-Ash Berries, Princess Pine, Prostate-

Gland Substance, Protargol, Pulsatilla Leaves, Pumpkin Seed, Pyramidon, Precipitate Red, Precipitate White, Quassia, Quassin, Quebracho Bark, Queen of the Meadow Leaves, Quince Seed, Quinidine, Quinidine Sulphate; Quinine and its Compounds—Namely, Acetate, Arsenate, Arsenite, Benzoate, Bismuriate and Urea, Bisulphate, Bromide, Bihydrochloride, Carbolate, Ethyl Carbonate, Chlorohydrosulphate, Citrate, Dihydrobromide, Hydrochloride, Ferrocyanide, Formate, Glycerophosphate, Hypophosphite, Lactate, Sulphate, Phosphate, Salicylate, Sulphocarbonate, Tartrate, Tannate Valerate; Raspberry Leaves, Red-Clover Flowers, Red-Clover Tops, Red Root, Red Saunders, Resin, Resorcin, Resin Scammony, Rhatany Root, Rhubarb, Rhus Aromatica, Rose Leaves, Rosemary, Rose Water, Rosin, Rosinweed, Rue; Resinoids, as Follows: Aletrin, Alunin, Apocynin, Asclepudin, Baptisin, Cannabin, Cascarin, Caulophyllin, Chionanthin, Cimicifugin, Collinsonin, Colocynthin, Cypripedin, Dioscorein, Eonymin (Brown and Green), Eupurpurin, Fraxerin, Gelsemin, Geranin, Gossypin, Hamamelin (Brown and Green), Helonin, Hydrastin, Irisin, Jalapin, Juglandin, Leptandrin, Lobelin, Lycopin, Macrotin, Menisperm, Myricin, Phytolactin, Prunin, Podophyllin, Rumicin, Sanguinarin, Scutellarin, Senecin, Stillingin, Trillin, Viburnin, Xanthoxillin and Sabadilla Seed, Saccharin, Saffrol, Saffron, Sage Leaves, Salicin, Salol, Salt Rochelle, Sandalwood, Sanguinarin Muriate, Sanguinarin Nitrate, Santonin, Saponin, Sarsaparilla, Sassafras Bark, Savin Leaves, Savory, Saw Palmetto, Saw Palmetto Berries, Saxifrage Root, Scammony Mexican, Scopolia Root, Scopalamine Hydrobromide, Sourwood Leaves, Scouring Rush, Skullcap Leaves, Scurvy Grass, Seidlitz Mixture, Senecio Gracilis, Senega Root, Senna, Serpentaria Root, Sheep Laurel, Sheep Sorrel, Shepherd's-Purse, Silver Iodide, Silver Nitrate, Silver Proteinate, Silver Nucleinate, Silver Oxide, Silkweed Root, Shinaruba Bark, Skunk Cabbage, Smartweed, Smut Corn, Snakeroot Canada, Snakeroot Virginia, Soap-Tree Bark, Soapwort; Sodium and its Compounds—Namely, Acetate, Arsenate, Arsenite, Ash, Benzoate, Bicarbonate, Bichromate, Bisulphate, Bisulphite, Borate, Bromide, Cacodylate, Carbonate, Chloride, Gold and Soda Chloride, Choleate, Cinamate, Citrate, Copalvate, Cyanide, Fluoride, Formate, Glycerophosphate, Glycochocolate, Hydroxide, Hypophosphite, Hyposulphite, Iodide, Lactophosphate, Methyl Arsenate, Nitrate, Nitrite, Nucleinate, Perborate, Persulphate, Phenolsulphonate, Phosphate Dry, Pyrophosphate, Salicylate, Santonate, Silicate, Succinate, Sulphate, Sulphite, Sulphocarbonate, Sulpho-Ichthyolate, Sulphide, Stearate, Taurocholate, Thiosulphate, Tartrate, Tungstate, Valerate; Solomon's Seal, Spartine Sulphate, Spearmint, Spermaceti, Spikenard Root, Squills Root, Starch, Star Grass, Star Root, Stavesacre Seed, Stoneroot, Storax Liquid, Stovaine, St. John's Bread, St. John's Wort, St. Ignatius Bean, Stillingia Root, Stramonium Leaves, Stramonium Seed, Strontium Arsenite, Strontium Bromide, Strontium Carbonate, Strontium Iodide, Strontium Lactate, Strontium Nitrate, Strontium Salicylate, Strophanthin, Strophanthus Seed; Strychnine and its Compounds—Namely, Arsenate, Arsenite, Acetate, Bromide, Citrate, Cacodylate, Glycerophosphate, Hydrobromide, Hydrochloride, Hypophosphite, Nitrate, Phosphate, Sulphate, Salicylate, Valerianate; Sugar, Milk Sugar, Sulphonethylemethane, Sulphur Balsam, Sulphur Flowers, Sulphur Iodide, Sulphur Precipitated, Sumac Berries, Sumac Bark, Sumac Leaves, Summer Savory, Sumbul, Sundew, Sunflower Seed, Suprarenal Gland, Sweet Basil Leaves, Simple Syrup, Tag Alder, Talcum Powder, Tallow, Tamarack Bark, Tamarinds, Tannin, Tar, Tansy, Tartar Emetic, Terebene, Terra Alba, Terpinol, Terpin Hydrate, Theobromine, Theobromine and Soda Salicylate, Thiosinamine, Thymol, Thyme, Thymus Substance Powder, Thymus Gland, Thymol Iodide, Thyroidin, Thyroids Desiccated, Tilia Flowers, Tin Chloride, Toluene, Tonga Bark, Tonga Root, Tonka Beans, Trional, Tragacanth, Trumpet Plant, Turpentine, Venice Turpentine, Turkey Corn, Turpeth Mineral, Turpeth Root, Twin Root, Twin Leaf, Unicorn Root (True and False), Uranium Nitrate, Ustilago Maydis, Uva Ursi

Leaves, Valerian Root, Vallet's Mass, Vanilla Beans, Vanillin, Veratrine, Veratrine Hydrochloride, Veratrine Sulphate, Veratrum Viride, Virginia Stone Crop, Wafer Ash Bark, Wahoo Bark of Root, Wahoo Twigs, Walnut Leaves (Black and English), Water Cress, Water Eryngo, Water Fennel, Water Hemlock, Water Pepper, Watermelon Seed, White Wax, Yellow Wax, White Poplar Bark, White Pine Bark, White-Pond-Lily Root, White Willow, White-Oak Bark, Wild Carrot, Wild-Cherry Bark, Wild Ginger, Wild Indigo, Wild Lettuce, Wild Turnip, Wild Yam, Wintergreen, Witch-Hazel Bark, Wood Betony, Wormseed, Wormseed Levant, Wormwood, Xanthoriza Root, Yarrow Herb, Yellow Dock, Yellow Root, Yellow Bark, Yerba Ruema, Yerba Santa, Yohimbebe Bark, Yohimbin Hydrochloride, Zedoary Root, Zinc Acetate, Zinc Arsenite, Zinc Borate, Zinc Bromide, Zinc Carbonate, Zinc Chloride, Zinc Cyanide, Zinc Iodide, Zinc Oxide, Zinc Perborate, Zinc Peroxide, Zinc Permanganate, Zinc Phenolsulphonate, Zinc Phosphate, Zinc Phosphide, Zinc Stearate, Zinc Sulphate, Zinc Sulphite, Zinc Sulphide, Zinc Valerate. The Above-Mentioned Products May be in Any One or Another of the Following Forms: Fluid Extracts, Tinctures, Solid and Powdered Extracts, Concentrations, Oleates, Oleoresins; Gelatin-Coated, Sugar-Coated, and Enteric Coated Pills; Pink Granules, Hypodermic Tablets, Veterinary Hypodermic Tablets, Ampules, Dispensary Tablets, Tablet Triturates, Compressed Tablets, Sugar-Coated Tablets, Chocolate-Colored Coated Tablets, Elixirs, Wines, Cordials, Syrups, Solutions, Spirits, Waters, Liniments, Ointments, Cerates, Confections, Powders, Soluble Elastic Capsules, Globules, Granular Effervescent Salts, Miscellaneous Products or Specialties, Such as Acetidine Capsules and Tablets, Acid Phosphates, Liquid, Alkaline and Antiseptic Tablets, Analgesic Balm, Antiseptic Disks (Wilson's), Antiseptic Tablets (Bernay's Small Porous, Round), Antiseptic Tablets (Bernay's Small Porous, Oblong), Antiseptic Tablets (Bernay's Special Large Porous, Round), Antiseptic Tablets (Clover Shaped Porous, Not Threaded), Antiseptic Tablets (Cyanide Porous, Round), Antiseptic Tablets (Mercury Bichloride Threaded), Antiseptic Tablets (Potassium Permanganate), Brown Mixture, Brown Mixture Without Opium, Cachous Aromatic, Camphor Phenol, Capsules Dry Filled; Calomel, Rhubarb, and Colocynth Compound; Ferrous Carbonate and Combinations, Quinine Sulphate and Bisulphate All Grainages, Thymol and Milk Sugar, Capsules Empty Gelatin All Sizes; Castor Oil Aromatic, White and Red; Cataplasm of Kaolin N. F., Charcoal Pellets, Chlorodyne American, Cholera-Infantum Mixture, Cocaine Tablets Soluble, Cod-Liver Oil and Preparations Thereof, Cold Cream S. and D., Colloidon U. S. P., Colloidon Flexible U. S. P., Liquor Aurantii Dulcis, Liquor Fuscus Dulcis, Liquor Rose Dulcis; Corpus Luteum Powder, Capsules, and Tablets; Dobell Tablets Soluble, Elixir Catnip and Fennel, Elixir Chloro-Calcium, Emulsion Petroleum Compound with Hypophosphites of Calcium and Sodium, Ferromanganese Peptonated, Ferromanganese Peptonated with Arsenic, Ferromanganese Peptonated with Cascara, Fowler's Solution, Fowler's Solution Tablets, Glycerin Suppositories, Glycerite Hydrastine and Bismuth, Glycerole of Iron Chloride, Glycerophosphates Compound, Headache Salts, Heliotrope Toilet Powder, Hem-Roid Cones, Hydrogen Peroxide Hypophosphites, Compound without Sugar, Liquor Cresolis Compound U. S. P., Liquor Santalva, Lithia Tablets Effervescent, Lithia and Formin Tablets Effervescent, Lithiated Sorghum Compound Lozenges Compressed All Formulae, Lozenges Cut Medicated All Formulae, Medicated-Oil Inhalant, Menthol-Cone Inhaler, Mercurial Ointment U. S. P. 50% Mercury, Mercurial Ointment Diluted U. S. P. Blue Ointment 30% Mercury, Mercurial Ointment Capsules, Milk of Bismuth U. S. P., Milk of Magnesia S. and D., Mineral Oil S. and D., Nazeptic Wool, Novocalu Tablets Soluble, Ovarian Substance Powder, Capsules and Tablets, Ovaritone, Osgall Purified, Osgall Powdered Extract U. S. P., Pancreatin U. S. P., Pan-Peptic Elixir, Pan-Peptic Powder, Pan-Peptic Tablets, Paraffin Compound, Pepsin Lacticated Elixir, Pepsin Lacticated

Powdered, Pepsin Saccharated, Petrol, Pills in Bulk and Packages All Formulae, Pituitary Extract, Quinine Pills and Tablets (Sulphate or Bisulphate) All Grainages, Rennet Tablets, Rennin, Root-Ber Flavor, Seidlitz Powders, Vanilla Products, Sodio-Phosphate Compound, Sodium Phosphate Granular, Spirits of Amyl Nitrite, Suppositories of Cacao Butter, Boroglyceride and Gelatin All Formulae; Thyroid Glands, Powder, Capsules, and Tablets; Toilet Powders, Tonic Beef, Tonic Hypophosphites, Tooth Paste, Tooth Powder, Tooth Wash, Unguentum Terralis, Vanilla Extracts, and Zinc Stearate Compound Plain or Perfumed.

Claims use since Feb. 15, 1922.

Ser. No. 204,080. (CLASS 38. PRINTS AND PUBLICATIONS.) AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 18, 1924.

AUTOMATIC TELEPHONE

Particular description of goods.—Monthly Journal of Information for the Telephone Profession. Claims use since June, 1913.

Ser. No. 204,084. (CLASS 39. CLOTHING.) BRITISH CELANESE LIMITED, London, England. Filed Oct. 18, 1924.

Celfect

Particular description of goods.—Ladies' and Children's Hose, Half Hose for Men and Children, Ladies' Dresses; Ladies' Underwear of Knitted Fabric—Namely, Camisoles, Undervests, Knickers, and Combinations.

Claims use since Mar. 8, 1924, in respect to ladies' and children's hose and half hose for men and children, and since Oct. 6, 1924, in respect to ladies' dresses; ladies' underwear of knitted fabric—namely, camisoles, undervests, knickers, and combinations.

Ser. No. 204,093. (CLASS 39. CLOTHING.) FRANCES KNITTING MILLS, INC., New York, N. Y. Filed Oct. 18, 1924.

Lillymit

Particular description of goods.—Lingerie and Hosiery. Claims use since May, 1924.

Ser. No. 204,139. (CLASS 38. PRINTS AND PUBLICATIONS.) ATLAS LETTER SERVICE, INC., Chicago, Ill. Filed Oct. 20, 1924.

MAIL SALES

Particular description of goods.—Monthly Publication. Claims use since Sept. 15, 1924.

Ser. No. 204,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMES CHEMICAL CORP., Dover, Del., and Los Angeles, Calif. Filed Oct. 20, 1924.



Particular description of goods.—Toilet Preparations and Dermatological Preparations, in Particular: Face Cream, Massage Cream, Shampoo Cream, Hair Tonic, Liquid and Solid Bandoline, Face Lotion, Toilet Powder, Talcum Powder, Face Powder, Tooth Powder, Tooth Paste, Perfume Extracts, Toilet Water, Incense, Sachet Powder, Nail Polish, Cuticle Remover, Rouge, and Lip Stick.

Claims use since July, 1920.

Ser. No. 204,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMES CHEMICAL CORP., Dover, Del., and Los Angeles, Calif. Filed Oct. 20, 1924.

"Hermes"

Particular description of goods.—Toilet Preparations and Dermatological Preparations, in Particular: Face Cream, Massage Cream, Shampoo Cream, Hair Tonic, Liquid and Solid Bandoline, Face Lotion, Toilet Powder, Talcum Powder, Face Powder, Tooth Powder, Tooth Paste, Perfume Extracts, Toilet Water, Incense, Sachet Powder, Nail Polish, Cuticle Remover, Rouge, and Lip Stick.

Claims use since July, 1920.

Ser. No. 204,172. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JENNINGS SHERRY CO. INC., Los Angeles, Calif. Filed Oct. 20, 1924.

LEMON CRUMBLES

Particular description of goods.—Shampoo.
Claims use since Aug. 19, 1924.

Ser. No. 204,173. (CLASS 38. PRINTS AND PUBLICATIONS.) JORDAN MOTOR CAR COMPANY, INC., Cleveland, Ohio. Filed Oct. 20, 1924.



Particular description of goods.—Monthly Magazine.
Claims use since on or about August, 1916.

Ser. No. 204,178. (CLASS 32. FURNITURE AND UPHOLSTERY.) HENRY G. LAVICK, doing business as Lavick Bedding Co., Duluth, Minn. Filed Oct. 20, 1924.



Particular description of goods.—Bed Mattresses.
Claims use since Sept. 20, 1924.

Ser. No. 204,184. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Oct. 20, 1924.



Particular description of goods.—Fresh Citrous Fruits.
Claims use since 1910.

Ser. No. 204,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Oct. 20, 1924.



Particular description of goods.—Fresh Citrous Fruits.
Claims use since Jan. 1, 1924.

Ser. No. 204,187. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) OILKING BURNER SALES CORPORATION, Detroit, Mich. Filed Oct. 20, 1924.

OILKING

Particular description of goods.—Oil Burners.
Claims use since about March, 1924.

Ser. No. 204,189. (CLASS 39. CLOTHING.) THE PEKETT HEADWEAR COMPANY, New York, N. Y. Filed Oct. 20, 1924.



Particular description of goods.—Hats and Caps for Men, Women, and Children.
Claims use since Mar. 1, 1910.

Ser. No. 204,218. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CLEVELAND AUTOMOBILE COMPANY, Cleveland, Ohio. Filed Oct. 21, 1924.

ONE SHOT

Particular description of goods.—Lubricating Systems for Automobiles and Parts Thereof, Grease Guns, Conduits for Lubricant-Appling Devices, Nipples and Fittings for Mechanisms to be Lubricated, Coupling Devices for Such Nipples and Fittings.
Claims use since Sept. 25, 1924.

Ser. No. 204,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INSECTO, INC., New York, N. Y. Filed Oct. 21, 1924.



Particular description of goods.—Hair Dye.
Claims use since September, 1919.

Ser. No. 204,266. (CLASS 5. ADHESIVES.) UNITED DRUG COMPANY, Boston, Mass. Filed Oct. 22, 1924.



The word "Tape" is disclaimed.
Particular description of goods.—Adhesive Mending Tape.
Claims use since Jan. 15, 1924.
329 O. G.—38

Ser. No. 204,314. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDA L. GINSBURG, doing business as Eg-Noo's Co., St. Paul, Minn. Filed Oct. 23, 1924.



Particular description of goods.—Egg Noodles.
Claims use since about Sept. 1, 1923.

Ser. No. 204,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUITFOLD-WERK CHEMISCHE-PHARMACEUTISCHE FABRIK, Munich, Germany. Filed Oct. 23, 1924.

Clauden

Particular description of goods.—Haemostatic.
Claims use since 1916.

Ser. No. 204,322. (CLASS 39. CLOTHING.) McALLESTER HOSIERY MILLS, INC., Chattanooga, Tenn. Filed Oct. 23, 1924.



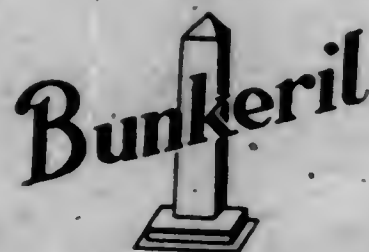
Particular description of goods.—Hosiery.
Claims use since Feb. 14, 1921.

Ser. No. 204,323. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORMA CHOCOLATE COMPANY, INC., Brooklyn, N. Y. Filed Oct. 23, 1924.

NORMETS

Particular description of goods.—Chocolate.
Claims use since June 20, 1924.

Ser. No. 204,348. (CLASS 39. CLOTHING.) BUNKERIL KNITTING COMPANY, Malden, Mass. Filed Oct. 24, 1924.



Particular description of goods.—Sweaters and Knitted Underwear.
Claims use since July 1, 1924.

Ser. No. 204,364. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LEISER GAS STOVE CO., Inc., Philadelphia, Pa. Filed Oct. 24, 1924.



Particular description of goods.—Gas Ranges and Gas Cookers.
Claims use since Oct. 1, 1921.

Ser. No. 204,368. (CLASS 5. ADHESIVES.) S. A. MAXWELL & Co., Chicago, Ill. Filed Oct. 24, 1924.

SAMCO

Particular description of goods.—Paste.
Claims use since October, 1922.

Ser. No. 204,372. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PUFFER-HUBBARD MANUFACTURING COMPANY, Minneapolis, Minn. Filed Oct. 24, 1924.

ROW-CYCLE

Particular description of goods.—Children's Tricycles.
Claims use since Sept. 15, 1924.

Ser. No. 204,398. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ECONOMY SCREW CORPORATION, Chicago, Ill. Filed Oct. 25, 1924.



Particular description of goods.—Screws, Bolts, Studs, Nuts, and Washers.
Claims use since November, 1920.

Ser. No. 204,399. (CLASS 38. PRINTS AND PUBLICATIONS.) EDUCATIONAL NEWS COMPANY, Columbus, Ohio. Filed Oct. 25, 1924.

World News

Particular description of goods.—Name of a Weekly Publication.
Claims use since May 20, 1923.

Ser. No. 204,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE FRUIT GROWERS ASSOCIATION, Eugene, Oreg. Filed Oct. 25, 1924.



Particular description of goods.—Canned Berries, Fruits, and Vegetables.
Claims use since 1922.

Ser. No. 204,401. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARVARD FOOD PRODUCTS CO., Chemung, Ill. Filed Oct. 25, 1924.

CO-ED

Particular description of goods.—Mayonnaise Salad Dressing and Thousand Island Dressing.
Claims use since Oct. 7, 1924.

Ser. No. 204,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. & N. CHEMICAL CO., Malden, Mass. Filed Oct. 25, 1924.



No monopoly being claimed as to the use of the words "Hair Restorer" except in connection with other features of the mark as shown on the drawing.
Particular description of goods.—Hair Restorer.
Claims use since on or about July 1, 1924.

Ser. No. 204,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEESMEYER-WAGGONER INC., Los Angeles, Calif. Filed Oct. 27, 1924.

CHAIN

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since July 1, 1924.

Ser. No. 204,437. (CLASS 39. CLOTHING.) BERGER OVERALL MFG. CO., Chicago, Ill. Filed Oct. 27, 1924.

COL. BOGEY

Particular description of goods.—Knickerbockers.
Claims use since Oct. 1, 1923.

Ser. No. 204,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 27, 1924.

SOLANTINE

Particular description of goods.—Dyes, Dyestuffs, and Colors.
Claims use since Aug. 5, 1924.

Ser. No. 204,469. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO. INC., New York, N. Y. Filed Oct. 27, 1924.

TUFFASTEEL

Particular description of goods.—Bleached, Colored, Printed, and Dyed-in-the-Yarn Cotton Piece Goods.
Claims use since Oct. 22, 1922.

Ser. No. 204,476. (CLASS 39. CLOTHING.) ROLLINS HOSIERY MILLS, Des Moines, Iowa. Filed Oct. 27, 1924.



Particular description of goods.—Men's, Women's, and Children's Cotton, Wool, and Silk Hosiery.
Claims use since July 1, 1924.

Ser. No. 204,502. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CRANE CO., doing business as Crane Chocolate Co., Cleveland, Ohio, and Kansas City, Mo. Filed Oct. 28, 1924.



Clubs

Particular description of goods.—Candy.
Claims use since Sept. 2, 1924.

Ser. No. 204,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed Oct. 28, 1924.

Show Me!

Particular description of goods.—Candy.
Claims use since Oct. 4, 1924.

Ser. No. 204,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. SHIVERS, doing business as Natick Drug Store, Los Angeles, Calif. Filed Oct. 28, 1924. Under 10 year proviso.

NATICK

Particular description of goods.—Eucalyptol Cream, Complexion Lotion, Hair Tonic, and Dandruff Remedy, Chloroform Liniment, Kidney and Bladder Compound, and Gargle for Sore Throat.
Claims use since about 1888.

Ser. No. 204,525. (CLASS 39. CLOTHING.) STANDARD MANUFACTURING COMPANY, Elizabeth City, N. C. Filed Oct. 28, 1924.

BIG BEN

Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1924.

Ser. No. 204,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. Tosse & Co., Inc., New York, N. Y. Filed Oct. 28, 1924.

NITROSCLERAN

Particular description of goods.—Preparation for Arteriosclerosis, Angina Pectoris, High Blood Pressure, and Diseases of the Circulatory System.
Claims use since June, 1924.

Ser. No. 204,531. (CLASS 38. PRINTS AND PUBLICATIONS.) VANDERBILT NEWSPAPERS, INC., Wilmington, Del., and Los Angeles, Calif. Filed Oct. 28, 1924.



Particular description of goods.—Daily Magazine Article.
Claims use since Apr. 21, 1924.

Ser. No. 204,532. (CLASS 38. PRINTS AND PUBLICATIONS.) VANDERBILT NEWSPAPERS, INC., Wilmington, Del., and Los Angeles, Calif. Filed Oct. 28, 1924.

THE PUBLIC BE SERVED

Particular description of goods.—Daily Magazine Article.
Claims use since Sept. 1, 1923.

Ser. No. 204,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Oct. 29, 1924.

TORPEDOES

Particular description of goods.—Chocolate Candy.
Claims use since about 1910.

Ser. No. 204,548. (CLASS 38. PRINTS AND PUBLICATIONS.) EVERYBODY'S POULTRY MAGAZINE PUBLISHING CO., Hanover, Pa. Filed Oct. 29, 1924.



Trade-mark "Everybody's Poultry Magazine" and the associated cover design shown in drawing.
Particular description of goods.—Monthly Magazine.
Claims use since January, 1924.

Ser. No. 204,554. (CLASS 39. CLOTHING.) HIRSCH-FIELD-ORRSMAN DRESS CO., St. Louis, Mo. Filed Oct. 29, 1924.

Keen

Particular description of goods.—Street, Afternoon, and Evening Dresses and Gowns.
Claims use since July 1, 1924.

Ser. No. 204,573. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed Oct. 29, 1924.

OOKASSA

Particular description of goods.—Cashmere and Wool Cloth Made of Cashmere and Wool Mixed.
Claims use since Sept. 20, 1922.

Ser. No. 204,593. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Jasmina

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,596. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Jeweltone

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1924.

Ser. No. 204,597. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Kasherada

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,600. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Kashmirgara

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,601. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Kashoretta

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,603. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Joseena

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,604. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Jasmeena

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,614. (CLASS 39. CLOTHING.) LILY OF FRANCE CORSET CO., New York, N. Y. Filed Oct. 30, 1924.

DUOSETTE

Particular description of goods.—Combination Corset and Brassiere.
Claims use since Oct. 27, 1924.

Ser. No. 204,648. (CLASS 32. FURNITURE AND UPHOLSTERY.) ART IVORY MANUFACTURING CO. INC., New York, N. Y. Filed Oct. 31, 1924.

LADY BETTY

Particular description of goods.—Hand Mirrors and Toilet Mirrors.
Claims use since Mar. 1, 1920.

Ser. No. 204,708. (CLASS 39. CLOTHING.) THE DANIEL HAYS COMPANY, Gloversville, N. Y. Filed Nov. 1, 1924.

Stop Lite

Particular description of goods.—Leather Gloves.
Claims use since Sept. 1, 1924.

Ser. No. 204,729. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SUPER-WELD MFG. COMPANY, Searsmont, Me., and Columbia, S. C. Filed Nov. 1, 1924.



Particular description of goods.—Rubber Repair Outfits.
Claims use since about May 1, 1924.

Ser. No. 204,745. (CLASS 2. RECEPTACLES.) W. D. BAYLEY, TRUSTEE, doing business as The E. W. Ross Company, Springfield, Ohio. Filed Nov. 3, 1924.

IN-DE-STR-UCT-O

Particular description of goods.—Metal Silos.
Claims use since Feb. 17, 1912.

Ser. No. 204,740. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. W. BUCKLEY RUBBER CO., New York, N. Y. Filed Nov. 3, 1924.



Trade-mark "Quamol."
Particular description of goods.—Rubber, Cotton, and Linen Hose; Rubber, Cotton, and Canvas Belting; Rubber Packing, and Rubber Jar Rings.
Claims use since Sept. 28, 1923.

Ser. No. 204,750. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. W. BUCKLEY RUBBER CO., New York, N. Y. Filed Nov. 3, 1924.



Trade-mark "Monol."

Particular description of goods.—Rubber, Cotton, and Linen Hose; Rubber, Cotton, and Canvas Belting; Rubber Packing, and Rubber Jar Rings.

Claims use since Oct. 21, 1922.

Ser. No. 204,751. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. W. BUCKLEY RUBBER CO., New York, N. Y. Filed Nov. 3, 1924.



Trade-mark "Maron."

Particular description of goods.—Rubber, Cotton, and Linen Hose; Rubber, Cotton, and Canvas Belting; Rubber Packing, and Rubber Jar Rings.

Claims use since Sept. 18, 1918.

Ser. No. 204,753. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CANNON MILLS, INCORPORATED, New York, N. Y. Filed Nov. 3, 1924.

FROLIC

Particular description of goods.—Cotton Goods in the Piece.

Claims use since Aug. 21, 1924.

Ser. No. 204,771. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) CHARLES D. HYTEN, doing business as The Niloak Pottery, Benton, Ark. Filed Nov. 3, 1924.

NILOAK

Particular description of goods.—Ceramic Products.

Claims use since September, 1910.

Ser. No. 204,776. (CLASS 2. RECEPTACLES.) ARTHUR LITTLE, doing business as Kleartex Products Company, Lyndhurst, N. J. Filed Nov. 3, 1924.

Kleartex

Particular description of goods.—Shoe Bags, Laundry Bags, Bags to Receive Cotton and String, and Upholstery Coverings, All of Fabric.

Claims use since Oct. 15, 1924.

Ser. No. 204,803. (CLASS 38. PRINTS AND PUBLICATIONS.) TEXAS FARM & RANCH PUBLISHING COMPANY, Dallas, Tex. Filed Nov. 3, 1924.

FARM AND RANCH

Particular description of goods.—Weekly Agricultural Publication.

Claims use since April, 1883.

Ser. No. 204,810. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed Nov. 4, 1924.

JAKKARD AINE

Particular description of goods.—Knitted Silk Fabrics—viz, Artificial-Silk Knitted Cloth in the Bolt.

Claims use since Oct. 4, 1924.

Ser. No. 204,895. (CLASS 38. PRINTS AND PUBLICATIONS.) DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Nov. 6, 1924.

The INSIDE of the CASE

Particular description of goods.—Quarterly Magazine.

Claims use since July, 1918.

Ser. No. 204,896. (CLASS 38. PRINTS AND PUBLICATIONS.) DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Nov. 6, 1924.

What Next?

Particular description of goods.—Monthly Magazine.

Claims use since January, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 16, 1924.

192,845. ENAMELED BOOK PAPERS. MOSER PAPER COMPANY, Chicago, Ill. Filed August 2, 1924. Serial No. 200,893. PUBLISHED SEPTEMBER 30, 1924.

192,846. RUBBER TUBES. THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed August 4, 1924. Serial No. 200,932. PUBLISHED SEPTEMBER 30, 1924.

192,847. INSERTS FOR LEAF SPRINGS OF MOTOR VEHICLES. CAROL F. HAMILTON, doing business as The Ride Air Company, Los Angeles, Calif. Filed August 4, 1924. Serial No. 200,935. PUBLISHED SEPTEMBER 30, 1924.

192,848. KNITTED SILK FABRICS OF SILK AND ARTIFICIAL SILK. LANG KNITTING MILLS, INC., New York, N. Y. Filed August 5, 1924. Serial No. 200,995. PUBLISHED SEPTEMBER 30, 1924.

192,849. KNITTED SILK FABRICS OF SILK AND ARTIFICIAL SILK. LANG KNITTING MILLS, INC., New York, N. Y. Filed August 5, 1924. Serial No. 200,996. PUBLISHED SEPTEMBER 30, 1924.

192,850. KNITTED SILK FABRICS OF SILK AND ARTIFICIAL SILK. LANG KNITTING MILLS, INC., New York, N. Y. Filed August 5, 1924. Serial No. 200,998. PUBLISHED SEPTEMBER 30, 1924.

192,851. ADJUSTABLE BOILER STANDS. SANITARY COMPANY OF AMERICA, Philadelphia, Pa. Filed August 5, 1924. Serial No. 201,013. PUBLISHED SEPTEMBER 30, 1924.

192,852. COSMETIC CONTAINERS. V. VIVAUDOU, INC., New York, N. Y. Filed August 5, 1924. Serial No. 201,016. PUBLISHED SEPTEMBER 30, 1924.

192,853. ANIMAL SKINS WITH AND WITHOUT FUR. DRESSED AND UNDRESSED. FOX TRADING COMPANY, INC., New York, N. Y. Filed August 7, 1924. Serial No. 201,082. PUBLISHED SEPTEMBER 30, 1924.

192,854. GASOLINE GAUGES. A. J. KIRSTIN COMPANY, Escanaba, Mich. Filed August 8, 1924. Serial No. 201,146. PUBLISHED OCTOBER 7, 1924.

192,855. FLOORINGS IN THE NATURE OF A VULCANIZED-RUBBER TILE, CORK TILE, AND COMPOSITION TILE. SIMON MANGES & SON, INC., New York, N. Y. Filed August 8, 1924. Serial No. 201,149. PUBLISHED SEPTEMBER 30, 1924.

192,856. GOLD AND PLATINUM ALLOY METAL FOR DENTAL INLAIS AND BRIDGE WORK. M. F. PATTERSON DENTAL SUPPLY COMPANY, Chicago, Ill., and St. Paul, Minn. Filed August 8, 1924. Serial No. 201,155. PUBLISHED OCTOBER 7, 1924.

192,857. TUBULAR RADIATORS OR HEATERS. CARRIER CONSTRUCTION COMPANY, INC., Newark, N. J. Filed August 9, 1924. Serial No. 201,176. PUBLISHED SEPTEMBER 30, 1924.

192,858. CHOCOLATES AND CANDIES. ARTHUR C. CROFT, Kansas City, Mo. Filed August 11, 1924. Serial No. 201,225. PUBLISHED SEPTEMBER 30, 1924.

192,859. WATER HEATERS. HOYT HEATER COMPANY, Vernon, Calif. Filed August 11, 1924. Serial No. 201,240. PUBLISHED SEPTEMBER 30, 1924.

192,860. EGGS. ERNEST LEBERS, New York, N. Y. Filed August 11, 1924. Serial No. 201,246. PUBLISHED SEPTEMBER 30, 1924.

192,861. COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass. Filed August 12, 1924. Serial No. 201,275. PUBLISHED SEPTEMBER 30, 1924.

192,862. FRESH GRAPES. O. H. CHURCHILL CO., Los Angeles, Calif. Filed August 13, 1924. Serial No. 201,329. PUBLISHED SEPTEMBER 30, 1924.

192,863. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed August 14, 1924. Serial No. 201,388. PUBLISHED SEPTEMBER 30, 1924.

192,864. CANDY. BUNTE BROTHERS, Chicago, Ill. Filed August 14, 1924. Serial No. 201,390. PUBLISHED SEPTEMBER 30, 1924.

192,865. WICKER FURNITURE COMPRISING PARLOR SUITES, PORCH SUITES, DECK SUITES, CAMP AND OUTDOOR SUITES, CHAIRS, TABLES, LOUNGES, SETEES, TABOURETS, FOOTSTOOLS, DAY BEDS, STEAMER CHAIRS, DESKS, BOOKCASES, DRESSERS, CHIFFONNIERS, BUFFETS, TEA CARTS, FLOWER STANDS, PHONE STANDS, SMOKING STANDS, HATRACKS, AND RADIO CABINETS. GRAND CENTRAL WICKER SHOP, INC., New York, N. Y. Filed June 14, 1924. Serial No. 198,568. PUBLISHED SEPTEMBER 9, 1924.

192,866. AUTOMATIC HOT-WATER-STORAGE SYSTEM PACKED IN ASSEMBLED CONDITION READY TO BE SET UP. RIVERSIDE BOILER WORKS, INC., Cambridge, Mass. Filed June 17, 1924. Serial No. 198,722. PUBLISHED SEPTEMBER 30, 1924.

192,867. CHEMICALLY-TREATED GAUZE MITT USED FOR COVERING THE HANDS TO PROTECT CLOTHING, ETC., WHEN THE HANDS HAVE BEEN TREATED WITH MEDICAMENTS AND THE LIKE. MARJORIE WEED EAN, doing business as Witch Mitt Company, New York, N. Y. Filed June 19, 1924. Serial No. 198,705. PUBLISHED SEPTEMBER 30, 1924.

192,868. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924. Serial No. 198,902. PUBLISHED SEPTEMBER 23, 1924.

192,869. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924. Serial No. 198,903. PUBLISHED SEPTEMBER 23, 1924.

192,870. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924. Serial No. 198,905. PUBLISHED SEPTEMBER 23, 1924.

192,871. TRIPOLI FLOUR (GROUND TRIPOLI STONE). AMERICAN TRIPOLI COMPANY, Seneca, Mo. Filed July 18, 1924. Serial No. 200,171. PUBLISHED SEPTEMBER 30, 1924.

192,872. MONTHLY MAGAZINE. EDWIN B. PILLSBURY, doing business as Grocers' Magazine Company, Boston, Mass.
Filed July 15, 1924. Serial No. 200,057. PUBLISHED SEPTEMBER 30, 1924.

192,873. ELECTRICAL THERAPEUTICAL APPLIANCES. BENJAMIN N. BURGLUND, Seattle, Wash., assignor to Radex Company, Inc., Seattle, Wash.
Filed July 15, 1924. Serial No. 200,034. PUBLISHED SEPTEMBER 30, 1924.

192,874. SOAP, WASHING FLUID, SCOURING POWDER, AND CLEANING SOLUTION. ASSOCIATED OIL COMPANY, San Francisco, Calif.
Filed July 15, 1924. Serial No. 200,029. PUBLISHED SEPTEMBER 9, 1924.

192,875. WAXED OR PARAFFIN PAPER. NASHUA GUMMED & COATED PAPER COMPANY, Nashua, N. H.
Filed July 14, 1924. Serial No. 200,005. PUBLISHED SEPTEMBER 16, 1924.

192,876. CONFECTIONS COMPOSED OF CANDY AND RAISINS AND MADE IN THE FORM OF FLOWER SPRAYS AND BLOSSOMS. CLARA B. BAKER, Colorado Springs, Colo.
Filed July 14, 1924. Serial No. 199,971. PUBLISHED SEPTEMBER 30, 1924.

192,877. MOPS AND BROOMS. JEROME LUKINOVICH, New Orleans, La.
Filed July 10, 1924. Serial No. 199,844. PUBLISHED SEPTEMBER 2, 1924.

192,878. SPEED AND PRESSURE REGULATORS, PUMP GOVERNORS, PUMPS, COMPRESSORS, AND PARTS OF SAID MECHANISMS. THE GARDNER GOVERNOR COMPANY, Quincy, Ill.
Filed July 9, 1924. Serial No. 199,730. PUBLISHED SEPTEMBER 30, 1924.

192,879. HIDES, SKINS, AND LEATHER. PENN LEATHER COMPANY, Philadelphia, Pa.
Filed July 8, 1924. Serial No. 199,760. PUBLISHED SEPTEMBER 30, 1924.

192,880. MONTHLY MAGAZINE. INTERNATIONAL MAGAZINE COMPANY, INC., New York, N. Y.
Filed July 8, 1924. Serial No. 199,751. PUBLISHED SEPTEMBER 30, 1924.

192,881. MANILA ROPE AND CABLE. THE EDWIN H. FITLER COMPANY, Philadelphia, Pa.
Filed July 8, 1924. Serial No. 199,747. PUBLISHED SEPTEMBER 30, 1924.

192,882. CONCRETE BLOCKS, BRICKS, AND TILE. THERMOTITE CONSTRUCTION, INC., San Jose, Calif.
Filed July 7, 1924. Serial No. 199,722. PUBLISHED SEPTEMBER 30, 1924.

192,883. CERTAIN NAMED PRINTS AND PUBLICATIONS. PALMER INSTITUTE OF AUTHORSHIP, Hollywood, Calif.
Filed July 7, 1924. Serial No. 199,717. PUBLISHED SEPTEMBER 30, 1924.

192,884. TOILET FANS. U. O. COLSON COMPANY, Paris, Ill.
Filed July 7, 1924. Serial No. 199,678. PUBLISHED SEPTEMBER 23, 1924.

192,885. CANDY-COATING MACHINES, CANDY-FEEDING MACHINES, CANDY PUMPS, CANDY COOLERS, AND MARSHMALLOW BEATERS. UNIVERSAL CANDY AND CHOCOLATE MACHINERY COMPANY, Inc., Springfield, Mass.
Filed July 5, 1924. Serial No. 199,961. PUBLISHED OCTOBER 7, 1924.

192,886. MATTRESSES. ALL-FELT MATTRESS CO., Indianapolis, Ind.
Filed July 5, 1924. Serial No. 199,594. PUBLISHED SEPTEMBER 9, 1924.

192,887. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,529. PUBLISHED SEPTEMBER 30, 1924.

192,888. COTTON, SILK, AND WOOLEN PIECE GOODS. BRADFORD DYING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,527. PUBLISHED SEPTEMBER 30, 1924.

192,889. DISPLAY STANDS. THE WELLSTON MANUFACTURING CO., Wellston, Ohio.
Filed July 2, 1924. Serial No. 199,513. PUBLISHED SEPTEMBER 30, 1924.

192,890. TRIMMING FEATHERS. ALFRED L. SIMON & COMPANY, New York, N. Y.
Filed June 30, 1924. Serial No. 199,396. PUBLISHED SEPTEMBER 16, 1924.

192,891. TOILET SOAP. PARKE CORPORATION, Kalamazoo, Mich.
Filed August 13, 1924. Serial No. 201,371. PUBLISHED SEPTEMBER 23, 1924.

192,892. SOAPS. ALFRED NEUBERG, New York, N. Y.
Filed August 13, 1924. Serial No. 201,369. PUBLISHED SEPTEMBER 23, 1924.

192,893. SOAP. GEORGE A. SAUER, Louisville, Ky.
Filed August 11, 1924. Serial No. 201,265. PUBLISHED SEPTEMBER 23, 1924.

192,894. ABRASIVE PAPER AND CLOTH AND COMBINATION OF ABRASIVE PAPER AND CLOTH. MANNING ABRASIVE COMPANY INCORPORATED, Troy, N. Y.
Filed August 5, 1924. Serial No. 201,004. PUBLISHED SEPTEMBER 23, 1924.

192,895. PREPARATION FOR CLEANING DIRT AND GREASE FROM THE HANDS. CLARENCE W. RUMSEY, doing business as Rumsey Products Company, Wheaton, Ill.
Filed August 2, 1924. Serial No. 200,900. PUBLISHED SEPTEMBER 23, 1924.

192,896. CARTOONS. THE PREMIER SYNDICATE, INC., New York, N. Y.
Filed July 30, 1924. Serial No. 200,727. PUBLISHED SEPTEMBER 23, 1924.

192,897. CORN OIL. C. F. SIMONIN'S SONS, INC., Philadelphia, Pa.
Filed July 25, 1924. Serial No. 200,530. PUBLISHED SEPTEMBER 23, 1924.

192,898. METAL POLISHES. THE GRADY MFG. CO., Long Island City, N. Y.
Filed July 24, 1924. Serial No. 200,442. PUBLISHED SEPTEMBER 23, 1924.

192,899. RAZOR STROPS. EMIL MORRIS, Detroit, Mich.
Filed July 23, 1924. Serial No. 200,405. PUBLISHED SEPTEMBER 23, 1924.

192,900. CLEANSING COMPOUND HAVING WATER-SOFTENING PROPERTIES. SCIENTIFIC PRODUCTS, INC., Chicago, Ill.
Filed July 18, 1924. Serial No. 200,226. PUBLISHED SEPTEMBER 23, 1924.

192,901. PERIODICAL PUBLICATION. WILLIAM B. PARIS, doing business as Shopping Guide Publishing Company, Los Angeles, Calif.
Filed July 14, 1924. Serial No. 200,009. PUBLISHED SEPTEMBER 2, 1924.

192,902. SECTION OF A MAGAZINE. BOY SCOUTS OF AMERICA, New York, N. Y.
Filed July 11, 1924. Serial No. 199,877. PUBLISHED SEPTEMBER 23, 1924.

192,903. FASHION PERIODICAL AND MAGAZINE. THE STANDARD CORPORATION, New York, N. Y., assignor to Standard Publishing Company, Chicago, Ill., a Corporation of Delaware.
Filed June 19, 1924. Serial No. 198,824. PUBLISHED SEPTEMBER 23, 1924.

192,904. PUBLICATIONS, PARTICULARLY PRINTED BOOKS CONTAINING RECIPES AND PRINTED BOOKS FOR EDUCATIONAL PURPOSES PRINTED AT IRREGULAR INTERVALS. HOME MAKERS OF THE WORLD, Chicago, Ill.
Filed June 11, 1924. Serial No. 198,411. PUBLISHED SEPTEMBER 23, 1924.

192,905. PUBLICATIONS, PARTICULARLY PRINTED BOOKS CONTAINING RECIPES AND PRINTED BOOKS FOR EDUCATIONAL PURPOSES PRINTED AT IRREGULAR INTERVALS. HOME MAKERS OF THE WORLD, Chicago, Ill.
Filed June 11, 1924. Serial No. 198,410. PUBLISHED SEPTEMBER 23, 1924.

192,906. MEN'S FABRIC HATS, WORK SHIRTS, TROUSERS, OVERALLS, JACKETS, AND JUMPER SUITS. ISRAEL RUDNICK, doing business as I. Rudnick Mfg. Co., Dallas, Tex.
Filed June 7, 1924. Serial No. 198,259. PUBLISHED SEPTEMBER 2, 1924.

192,907. COMIC SERIAL FOR NEWSPAPERS AND OTHER PUBLICATIONS. LORON A. TAYLOR, East Cleveland, Ohio.
Filed April 7, 1924. Serial No. 195,139. PUBLISHED SEPTEMBER 23, 1924.

192,908. PUBLICATION ISSUED EVERY TWO WEEKS. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed November 10, 1923. Serial No. 188,456. PUBLISHED SEPTEMBER 23, 1924.

192,909. CANNED VEGETABLES, CANNED FRUITS, SALAD DRESSING, CANNED FISH, AND COFFEE. GEO. BEHR & SONS, Williamsport, Pa.
Filed August 27, 1923. Serial No. 185,003. PUBLISHED SEPTEMBER 23, 1924.

192,910. LEAFLETS, PAMPHLETS, BOOKS, OR BOOKLETS PUBLISHED FROM TIME TO TIME. DOUBLEDAY PAGE BOOK SHOP COMPANY, Garden City, N. Y.
Filed November 8, 1923. Serial No. 188,106. PUBLISHED SEPTEMBER 23, 1924.

192,911. PIPE CUTTERS, PIPE-CUTTER WHEELS, PIPE VISES, VISE STANDS, PIPE DIES, AND PIPE DIESTOCKS. THE NYE TOOL & MACHINE WORKS, Chicago, Ill.
Filed August 28, 1924. Serial No. 201,972. PUBLISHED OCTOBER 7, 1924.

192,912. CANDY. CRISP PACKING COMPANY, INCORPORATED, Petersburg, Va.
Filed August 14, 1924. Serial No. 201,393. PUBLISHED SEPTEMBER 30, 1924.

192,913. PORTABLE SAVINGS BANKS. VERTACO MANUFACTURING COMPANY, Somerville, Mass.
Filed August 14, 1924. Serial No. 201,418. PUBLISHED OCTOBER 7, 1924.

192,914. LAUNDRY TRAYS. CHAS. WESELY COMPANY, Chicago, Ill.
Filed August 14, 1924. Serial No. 201,419. PUBLISHED OCTOBER 7, 1924.

192,915. SENSITIZED PHOTOGRAPHIC PAPER. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed August 15, 1924. Serial No. 201,431. PUBLISHED OCTOBER 7, 1924.

192,916. MACHINERY PACKING. ANSELME LAURENT, Lyon, France.
Filed August 15, 1924. Serial No. 201,457. PUBLISHED SEPTEMBER 30, 1924.

192,917. ARCH SUPPORTS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed August 15, 1924. Serial No. 201,468. PUBLISHED OCTOBER 7, 1924.

192,918. COAL BRIQUETS. THE AMERICAN BRIQUET COMPANY, Philadelphia, Pa.
Filed August 16, 1924. Serial No. 201,482. PUBLISHED SEPTEMBER 30, 1924.

192,919. WATERPROOFED FABRICS AND RUBBERIZED FABRICS. POCONO RUBBER CLOTH COMPANY, Trenton, N. J.
Filed August 16, 1924. Serial No. 201,510. PUBLISHED SEPTEMBER 30, 1924.

192,920. COMBINED HOES AND CULTIVATORS. LILLY J. STAFFORD, Gowanda, N. Y.
Filed August 16, 1924. Serial No. 201,516. PUBLISHED OCTOBER 7, 1924.

192,921. UPSET FORGINGS. AMERICAN FORCE COMPANY, Chicago, Ill.
Filed August 18, 1924. Serial No. 201,523. PUBLISHED OCTOBER 7, 1924.

192,922. CLOSET SEATS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed August 18, 1924. Serial No. 201,535. PUBLISHED OCTOBER 7, 1924.

192,923. GRASS SEED. C. C. MORSE & CO., San Francisco, Calif.
Filed August 18, 1924. Serial No. 201,574. PUBLISHED SEPTEMBER 30, 1924.

192,924. RUBBER TIRES. THE ECLAT RUBBER COMPANY, Cuyahoga Falls, Ohio.
Filed August 20, 1924. Serial No. 201,656. PUBLISHED SEPTEMBER 30, 1924.

192,925. CHROME ORE. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed August 22, 1924. Serial No. 201,759. PUBLISHED SEPTEMBER 30, 1924.

192,926. CHROME ORE. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed August 22, 1924. Serial No. 201,761. PUBLISHED SEPTEMBER 30, 1924.

192,927. FERTILIZERS. DAIWALT M. HELMICK, Columbus, Ohio.
Filed August 25, 1924. Serial No. 201,847. PUBLISHED OCTOBER 7, 1924.

192,928. HAND-OPERATED PRINTING DEVICES. STAMPOGRAPH COMPANY, Chicago, Ill.
Filed August 27, 1924. Serial No. 201,938. PUBLISHED OCTOBER 7, 1924.

192,929. CERTAIN DENTAL INSTRUMENTS. THE UNITED STATES DENTAL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 28, 1924. Serial No. 201,991. PUBLISHED OCTOBER 7, 1924.

192,930. SAVINGS BANKS. THE BURNS COMPANY, New York, N. Y.
Filed August 29, 1924. Serial No. 202,000. PUBLISHED OCTOBER 7, 1924.

192,931. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,906. PUBLISHED SEPTEMBER 23, 1924.

192,932. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,907. PUBLISHED SEPTEMBER 23, 1924.

192,933. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,908. PUBLISHED SEPTEMBER 23, 1924.

192,934. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,909. PUBLISHED SEPTEMBER 23, 1924.

192,935. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,910. PUBLISHED SEPTEMBER 23, 1924.

192,936. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,911. PUBLISHED SEPTEMBER 23, 1924.

192,937. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,912. PUBLISHED SEPTEMBER 23, 1924.

192,938. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,914. PUBLISHED SEPTEMBER 23, 1924.

192,939. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,916. PUBLISHED SEPTEMBER 23, 1924.

192,940. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,917. PUBLISHED SEPTEMBER 23, 1924.

192,941. BEDS. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn.
Filed June 20, 1924. Serial No. 198,919. PUBLISHED SEPTEMBER 23, 1924.

192,942. POLISHING CLOTH FOR GOLD, SILVER, BRASS, CUTLERY, AND METALS. HENRY FERBECK, San Francisco, Calif.
Filed June 23, 1924. Serial No. 198,998. PUBLISHED SEPTEMBER 30, 1924.

192,943. SHOW CASES. QUINCY SHOW CASE WORKS, Quincy, Ill.
Filed June 30, 1924. Serial No. 199,390. PUBLISHED SEPTEMBER 23, 1924.

192,944. PLASTER BOARD. SCHUMACHER WALL BOARD CORPORATION, Wilmington, Del., and Los Angeles, Calif.
Filed June 30, 1924. Serial No. 199,394. PUBLISHED SEPTEMBER 30, 1924.

192,945. BRICK. THE MEDAL BRICK & TILE CO., Cleveland, Ohio.
Filed July 18, 1924. Serial No. 200,212. PUBLISHED SEPTEMBER 30, 1924.

192,946. CREAM SIPHONS. SKINIT MFG. CO., Oskaloosa, Iowa.
Filed July 18, 1924. Serial No. 200,229. PUBLISHED SEPTEMBER 30, 1924.

192,947. TAPS AND DIES. JOHN BATH & COMPANY, INC., Worcester, Mass.
Filed July 19, 1924. Serial No. 200,239. PUBLISHED SEPTEMBER 30, 1924.

192,948. CABINETS FOR TALKING MACHINES AND RADIO SETS. COLUMBIA MANTEL CO., Brooklyn, N. Y.
Filed July 19, 1924. Serial No. 200,246. PUBLISHED SEPTEMBER 9, 1924.

192,949. CARTOONS. MELVIN C. RICHARDS, Chicago, Ill.
Filed July 19, 1924. Serial No. 200,281. PUBLISHED SEPTEMBER 30, 1924.

192,950. METAL POLISHES. THE GRADY MFG. CO., Long Island City, N. Y.
Filed July 24, 1924. Serial No. 200,441. PUBLISHED SEPTEMBER 30, 1924.

192,951. ROUTE GUIDE BOOKS. INTERNATIONAL GUIDE PUBLISHING CO., Minneapolis, Minn.
Filed July 24, 1924. Serial No. 200,449. PUBLISHED SEPTEMBER 30, 1924.

192,952. TIME-DATING STAMPS. HENRY KASTENS, New York, N. Y.
Filed July 25, 1924. Serial No. 200,500. PUBLISHED SEPTEMBER 30, 1924.

192,953. COTTON GOODS IN A PIECE. HERBERT B. LEDERER CORP., New York, N. Y.
Filed July 25, 1924. Serial No. 200,501. PUBLISHED SEPTEMBER 30, 1924.

192,954. BEDS AND MATTRESSES. NATIONAL DEPARTMENT STORES, New York, N. Y.
Filed July 25, 1924. Serial No. 200,510. PUBLISHED SEPTEMBER 23, 1924.

192,955. UMBRELLAS. NATIONAL DEPARTMENT STORES, INC., New York, N. Y.
Filed July 25, 1924. Serial No. 200,515. PUBLISHED SEPTEMBER 30, 1924.

192,956. TESTING INSTRUMENT FOR WOOLEN AND SILKEN MATERIALS. RAFFAEL G. BERLINGIERI, New York, N. Y.
Filed July 28, 1924. Serial No. 200,606. PUBLISHED SEPTEMBER 30, 1924.

192,957. PLUMBING PIPE CONNECTIONS. IRON CLOSET BEND CO., Morristown, N. J.
Filed July 29, 1924. Serial No. 200,682. PUBLISHED SEPTEMBER 30, 1924.

192,958. CEMENT. THE ATLAS LUMINITE CEMENT COMPANY, Baltimore, Md., and New York, N. Y.
Filed July 30, 1924. Serial No. 200,702. PUBLISHED SEPTEMBER 30, 1924.

192,959. PUMPS, WATER SYSTEMS, AND TANKS FOR SAID SYSTEMS. THE DAYTON PUMP & MANUFACTURING CO., Dayton, Ohio.
Filed July 31, 1924. Serial No. 200,751. PUBLISHED SEPTEMBER 30, 1924.

192,960. GREEN COFFEES. WESTFELDT BROTHERS, New Orleans, La.
Filed July 31, 1924. Serial No. 200,792. PUBLISHED SEPTEMBER 30, 1924.

192,961. WEIGHING SCALES. BARNES SCALE COMPANY, Detroit, Mich.
Filed August 1, 1924. Serial No. 200,804. PUBLISHED OCTOBER 7, 1924.

192,962. WALL PAPER. A. C. DODMAN, JR., INC., Hoboken, N. J.
Filed August 2, 1924. Serial No. 200,868. PUBLISHED SEPTEMBER 30, 1924.

192,963. WALL PAPER. A. C. DODMAN, JR., INC., Hoboken, N. J.
Filed August 2, 1924. Serial No. 200,867. PUBLISHED SEPTEMBER 30, 1924.

192,964. C.C.L. MEADOR AND YOUNG, Nashville, Tenn.
Filed August 2, 1924. Serial No. 200,800. PUBLISHED SEPTEMBER 30, 1924.

192,965. HAIR CURLERS. THE HAYES-MESEROLE MFG. CO. INC., Milford, Conn.
Filed June 11, 1924. Serial No. 198,407. PUBLISHED SEPTEMBER 9, 1924.

192,966. BLUE STONE TREADS, STAIR LANDINGS, SLABS USED TO FORM FLOORING, AND WALL BASES. AMERICAN BLUE STONE CO., Warsaw and New York, N. Y.
Filed June 9, 1924. Serial No. 198,277. PUBLISHED SEPTEMBER 30, 1924.

192,967. FERTILIZER. SPRECKELS BROTHERS COMMERCIAL COMPANY, San Diego, Calif.
Filed June 7, 1924. Serial No. 198,261. PUBLISHED SEPTEMBER 30, 1924.

192,968. SHIRRED ELASTIC. THE NICHOLS MANUFACTURING COMPANY, Bridgeport, Conn.
Filed June 3, 1924. Serial No. 198,024. PUBLISHED SEPTEMBER 20, 1924.

192,969. SEWING MACHINES FOR CLOSING FILLED BAGS. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed May 29, 1924. Serial No. 197,846. PUBLISHED OCTOBER 7, 1924.

192,970. BEANS IN THEIR NATURAL STATE. MICHIGAN ELEVATOR EXCHANGE, Lansing, Mich.
Filed May 23, 1924. Serial No. 197,493. PUBLISHED SEPTEMBER 30, 1924.

192,971. MARBLE AND STONE. NICOLAO LAZZONI & FIGLIO, Carrara, Italy.
Filed May 26, 1924. Serial No. 197,490. PUBLISHED SEPTEMBER 30, 1924.

192,972. MARBLE AND STONE. CARLO FABBRICOTTI & B. FABBRICOTTI & FIGLI, Carrara, Italy.
Filed May 23, 1924. Serial No. 197,476. PUBLISHED SEPTEMBER 30, 1924.

192,973. MARBLE AND STONE. CARLO FABBRICOTTI & B. FABBRICOTTI & FIGLI, Carrara, Italy.
Filed May 23, 1924. Serial No. 197,475. PUBLISHED SEPTEMBER 30, 1924.

192,974. MARBLE AND STONE. CARLO FABBRICOTTI & B. FABBRICOTTI & FIGLI, Carrara, Italy.
Filed May 23, 1924. Serial No. 197,474. PUBLISHED SEPTEMBER 30, 1924.

192,975. MARBLE AND STONE. CARLO FABBRICOTTI & B. FABBRICOTTI & FIGLI, Carrara, Italy.
Filed May 23, 1924. Serial No. 197,473. PUBLISHED SEPTEMBER 30, 1924.

192,976. SEWING MACHINES FOR CLOSING FILLED BAGS. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed May 22, 1924. Serial No. 197,461. PUBLISHED OCTOBER 7, 1924.

192,977. COMBINATION VEIL AND HAIR NETS AND VEILS AND HAIR NETS, ALL MANUFACTURED FROM NATURAL HAIR. NATIONAL TRADING COMPANY, Chicago, Ill.
Filed May 22, 1924. Serial No. 197,442. PUBLISHED SEPTEMBER 30, 1924.

192,978. LEATHER. THE DENVER LEATHER CO., Denver, Colo.
Filed May 22, 1924. Serial No. 197,420. PUBLISHED SEPTEMBER 30, 1924.

192,979. NEWSPAPER ARTICLES IN BOX FORM. DAILY TRADE RECORD CO. OF NEW YORK, New York, N. Y.
Filed May 22, 1924. Serial No. 197,418. PUBLISHED AUGUST 26, 1924.

192,980. GREETING CARDS, MAILING CARDS, NEWSPAPER PUBLICATIONS, AND BOOKLETS. BROWN & BIGELOW, St. Paul, Minn.
Filed May 5, 1924. Serial No. 196,574. PUBLISHED SEPTEMBER 30, 1924.

192,981. COTTON BATHROBE AND LOUNGING ROBE BLANKETS IN THE PIECE. THE ESMOND MILLS, Esmond, Smithfield, R. I.
Filed April 24, 1924. Serial No. 196,052. PUBLISHED JUNE 24, 1924.

192,982. LUBRICATING OILS. RUSK OIL CO., Philadelphia, Pa.
Filed April 23, 1924. Serial No. 196,032. PUBLISHED JULY 22, 1924.

192,983. FRINGES, EDGING, GALLOONS, GIMPS, BRAIDS, BINDINGS, WEBBING, CORDS, TASSELS, MIRROR AND PICTURE HANGERS, AND ROSETTES. H. F. WALLISER COMPANY, Chicago, Ill.
Filed April 22, 1924. Serial No. 195,996. PUBLISHED SEPTEMBER 2, 1924.

192,984. ONE-WAY TELEPHONES AND EAR PHONES FOR USE IN AIDING DEFECTIVE HEARING, STETHOSCOPES, AND PARTS THEREFOR. GLOBE PHONE MANUFACTURING COMPANY, Reading, Mass.
Filed August 24, 1922. Serial No. 168,637. PUBLISHED OCTOBER 7, 1924.

192,985. CANDY CONFECTIONS AND SUGAR-COATED FRUITS. THE C. R. PEARCE COMPANY, Pittsburgh, Pa.
Filed December 9, 1922. Serial No. 178,144. PUBLISHED APRIL 17, 1923.

192,986. KNITTING PINS, CROCHET HOOKS, HAND SEWING NEEDLES, ETC. GOTTLIEB BROS., New York, N. Y.
Filed January 24, 1923. Serial No. 175,012. PUBLISHED SEPTEMBER 23, 1924.

192,987. BRONZE POWDERS. UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y.
Filed February 17, 1923. Serial No. 176,231. PUBLISHED JULY 24, 1923.

192,988. BREAST DRILLS, BENCH DRILLS, AND HAND DRILLS. GOODSELL-PRATT COMPANY, Greenfield, Mass.
Filed February 26, 1923. Serial No. 176,620. PUBLISHED JUNE 26, 1923.

192,989. DEVICES FOR REPAIRING KNITTED FABRIC, IN THE NATURE OF CROCHET AND KNITTING NEEDLES. JOSE MARCEL ORTEGA, Addlestone, Surrey, England.
Filed May 1, 1923. Serial No. 180,025. PUBLISHED SEPTEMBER 2, 1924.

192,990. LEATHER BELTING. FRANK W. McLANATHAN, doing business as F. W. McLanathan & Son, Lawrence, Mass.
Filed August 8, 1923. Serial No. 184,210. PUBLISHED SEPTEMBER 16, 1924.

192,991. MOTION-PICTURE FILMS. GERALD B. HARNAY, Los Angeles, Calif.
Filed August 22, 1923. Serial No. 184,853. PUBLISHED SEPTEMBER 30, 1924.

192,992. AUTOMOBILE BUMPERS AND BUMPER FITTINGS. THE EATON AXLE & SPRING COMPANY, Cleveland, Ohio.
Filed September 20, 1923. Serial No. 185,964. PUBLISHED SEPTEMBER 30, 1924.

192,993. GASOLINE AND MOTOR-LUBRICATING OILS. GEO. W. QUINN, doing business as Troylolene Oil Company, San Francisco, Calif.
Filed October 12, 1923. Serial No. 186,926. PUBLISHED JULY 22, 1924.

192,994. MITTENS AND GLOVES OF RUBBER WITH OR WITHOUT THE USE OF FABRIC LINING OR A COMBINATION OF RUBBER. HYNES AND DALY, O'Neill, Nebr., said Hynes assignor to said Daly.
Filed November 12, 1923. Serial No. 188,243. PUBLISHED SEPTEMBER 16, 1924.

192,995. FOLDING AND KNOCKDOWN TABLES, CHAIRS, STOOLS, AND WARDROBES. FREDERICK O. BERG, doing business as F. O. Berg Company, Spokane, Wash.
Filed December 7, 1923. Serial No. 189,351. PUBLISHED SEPTEMBER 23, 1924.

192,996. HAMS AND BACONS. HAMMOND STANDISH & CO., Detroit, Mich.
Filed July 7, 1924. Serial No. 199,696. PUBLISHED OCTOBER 7, 1924.

192,997. FRESH BEEF. DETROIT PACKING COMPANY, Detroit, Mich.
Filed July 7, 1924. Serial No. 199,682. PUBLISHED OCTOBER 7, 1924.

192,998. BOYS' WASH SUITS. STIX, BAER & FULLER DRY GOODS CO., St. Louis, Mo.
Filed July 5, 1924. Serial No. 199,656. PUBLISHED SEPTEMBER 30, 1924.

192,999. OVERALLS AND OUTER PROTECTIVE GARMENTS ON THE ORDER OF OVERALLS. THE HOBERT-STONE COMPANY, Cleveland, Ohio.
Filed July 5, 1924. Serial No. 199,619. PUBLISHED SEPTEMBER 30, 1924.

193,000. LEATHER, COTTON, AND COTTON AND LEATHER WORK GLOVES. NATIONAL GLOVE COMPANY, Columbus, Ohio.
Filed July 1, 1924. Serial No. 199,485. PUBLISHED OCTOBER 7, 1924.

- 193,001. LEATHER, COTTON, AND COTTON AND LEATHER WORK GLOVES. NATIONAL GLOVE COMPANY, Columbus, Ohio.
Filed July 1, 1924. Serial No. 199,434. PUBLISHED OCTOBER 7, 1924.
- 193,002. SHOES OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHANSEN BROS. SHOE COMPANY, St. Louis, Mo.
Filed June 30, 1924. Serial No. 199,353. PUBLISHED SEPTEMBER 30, 1924.
- 193,003. BLOOD PURIFIER, A REMEDY FOR HIGH BLOOD PRESSURE, AND A TONIC. ESTELLA M. GARDNER, doing business as Vivo Blood-Life Co., Boston, Mass.
Filed June 24, 1924. Serial No. 199,056. PUBLISHED SEPTEMBER 2, 1924.
- 193,004. WATERPROOF APRONS. JOHN CHRISTENSEN, St. Paul, Minn.
Filed June 9, 1924. Serial No. 198,288. PUBLISHED SEPTEMBER 30, 1924.
- 193,005. INFANTS', CHILDREN'S, AND MISSES' HATS. CINDERELLA HAT CO., INC., New York, N. Y.
Filed June 5, 1924. Serial No. 198,115. PUBLISHED SEPTEMBER 30, 1924.
- 193,006. CERTAIN CUTLERY. SOLINGER METALLWARENFABRIK G. M. B. H., Solingen, Germany.
Filed May 12, 1924. Serial No. 196,937. PUBLISHED OCTOBER 7, 1924.
- 193,007. CREAM SEPARATORS AND CHURNS. MÄRKISCHE MASCHINENBAU-ANSTALT "TEUTONIA GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Frankfurt-on-the-Oder, Germany.
Filed May 12, 1924. Serial No. 196,922. PUBLISHED OCTOBER 7, 1924.
- 193,008. MEDICAMENTS FOR EXTERNAL USE TO HEAL AND PREVENT DISEASES OF THE SKIN AND THE TISSUES. CONRAD RICHARD BOHM, Berlin-Wilmersdorf, Germany.
Filed May 10, 1924. Serial No. 196,851. PUBLISHED SEPTEMBER 9, 1924.
- 193,009. OLIVE OIL. CARIZZO & MENACCI, Brooklyn, N. Y.
Filed May 7, 1924. Serial No. 196,691. PUBLISHED SEPTEMBER 30, 1924.
- 193,010. HARNESS AND HORSE COLLARS. DES MOINES SADDLERY COMPANY, Des Moines, Iowa.
Filed April 14, 1924. Serial No. 195,502. PUBLISHED JULY 1, 1924.
- 193,011. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER GLOVES. V. PERRIN & CIE., Grenoble, France, and New York, N. Y.
Filed April 3, 1924. Serial No. 194,942. PUBLISHED SEPTEMBER 30, 1924.
- 193,012. LINGERIE, KIMONOS, CHILDREN'S AND LADIES' WASH DRESSES. A. M. JELF MANUFACTURING CO., Lexington, Ky.
Filed July 23, 1923. Serial No. 183,574. PUBLISHED SEPTEMBER 30, 1924.
- 193,013. CANNED VEGETABLES. DANVILLE WHOLESALE GROCERY CO., Danville, Ill.
Filed December 16, 1922. Serial No. 173,408. PUBLISHED SEPTEMBER 30, 1924.
- 193,014. UNDERWEAR, HOSIERY, AND WORK CLOTHING—NAMES, SHIRTS, PANTS, OVERALLS, AND SWEATER COATS. H. LEVI & CO., Kansas City, Mo.
Filed December 20, 1921. Serial No. 156,967. PUBLISHED SEPTEMBER 30, 1924.
- 193,015. LIFTING JACKS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed August 7, 1920. Serial No. 135,900. PUBLISHED SEPTEMBER 30, 1924.
- 193,016. SWEETMEATS. GRITZER & DITZEL, Chicago, Ill.
Filed April 19, 1920. Serial No. 131,367. PUBLISHED SEPTEMBER 30, 1924.
- 193,017. TOFFEES, CHOCOLATES, AND SWEETMEATS. EDWARD SHARP & SONS LTD., Maldstone, England.
Filed September 30, 1921. Serial No. 153,570. PUBLISHED JUNE 10, 1924.
- 193,018. LUBRICATING OILS FOR MECHANICAL LUBRICATION. GEORGE J. BURNS, Youngstown, Ohio.
Filed February 25, 1922. Serial No. 159,780. PUBLISHED OCTOBER 17, 1922.
- 193,019. PRINTED PAMPHLETS, CIRCULARS, AND PERIODICAL PUBLICATIONS. SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y.
Filed June 3, 1922. Serial No. 164,990. PUBLISHED SEPTEMBER 30, 1924.
- 193,020. PRINTED PAMPHLETS, CIRCULARS, AND PERIODICAL PUBLICATIONS. SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y.
Filed June 3, 1922. Serial No. 164,992. PUBLISHED SEPTEMBER 30, 1924.
- 193,021. PRINTED PAMPHLETS, CIRCULARS, AND PERIODICAL PUBLICATIONS. SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y.
Filed June 3, 1922. Serial No. 164,993. PUBLISHED SEPTEMBER 30, 1924.
- 193,022. SUSPENDERS, ARM BANDS, AND MEN'S BELTS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 23, 1922. Serial No. 165,942. PUBLISHED NOVEMBER 27, 1923.
- 193,023. WEARING APPAREL—NAMES, CAPES AND COATS AND TOP AND OVER COATS. GRAM HEADWEAR MFG. CO., St. Louis, Mo.
Filed June 26, 1922. Serial No. 166,069. PUBLISHED SEPTEMBER 30, 1924.
- 193,024. PREPARED FOODS, SPECIFICALLY CANNED SARDINES. MARIUS DE BRUYN, doing business as M. de Bruyn Importing Co., New York, N. Y.
Filed July 29, 1924. Serial No. 200,071. PUBLISHED OCTOBER 7, 1924.
- 193,025. LAUNDRY CASES, SCHOOL AND COMMERCIAL BAGS. HOWARD E. PLIMPTON, doing business as H. E. Plimpton Manufacturing Co., Walpole, Mass., assignor to H. E. Plimpton Mfg. Co. Inc., Walpole, Mass., a Corporation of Massachusetts.
Filed July 26, 1924. Serial No. 200,579. PUBLISHED SEPTEMBER 30, 1924.
- 193,026. KING COLE, A NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. BENNESON & TREANOR, doing business as King Cole Co., Los Angeles, Calif.
Filed July 26, 1924. Serial No. 200,543. PUBLISHED OCTOBER 7, 1924.
- 193,027. FOOD COMPRISING CHOCOLATE LIQUOR, CONDENSED WHOLE MILK, AND SUGAR. THE NATIONAL DAIRY COMPANY, Toledo, Ohio.
Filed July 25, 1924. Serial No. 200,506. PUBLISHED OCTOBER 7, 1924.
- 193,028. HAWAIIAN FRUIT PRODUCTS—NAMES, MARMALADES, JAMS, JELLIES, CHUTNEY, SPICED PINEAPPLE, AND FRUIT PRESERVES. EMILIE MACFARLANE, Honolulu, Hawaii, and San Francisco, Calif.
Filed July 25, 1924. Serial No. 200,503. PUBLISHED OCTOBER 7, 1924.
- 193,029. SPICES. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed July 18, 1924. Serial No. 200,193. PUBLISHED OCTOBER 7, 1924.

- 193,030. GINGER ALE, A NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. THE COCA COLA BOTTLING COMPANY, Wichita, Kans.
Filed July 1, 1924. Serial No. 199,416. PUBLISHED OCTOBER 7, 1924.
- 193,031. FRESH FRUITS BOTH CITROUS AND DECIDUOUS AND FRESH VEGETABLES. ALFRED W. FROST, New York, N. Y.
Filed June 20, 1924. Serial No. 198,856. PUBLISHED OCTOBER 7, 1924.
- 193,032. NONALCOHOLIC, MALTLESS, FRUIT-JUICE BEVERAGE SOLD AS A SOFT DRINK. EXCHANGE BUFFET CORPORATION, New York, N. Y.
Filed June 9, 1924. Serial No. 198,298. PUBLISHED OCTOBER 7, 1924.
- 193,033. CHEWING GUM AND CANDY. H. E. MACCONAUGHEY, San Francisco, Calif.
Filed May 27, 1924. Serial No. 197,672. PUBLISHED OCTOBER 7, 1924.
- 193,034. TEAS. NIP-O-PRODUCTS CO., New York, N. Y.
Filed May 24, 1924. Serial No. 197,553. PUBLISHED OCTOBER 7, 1924.
- 193,035. FRESH GRAPEFRUIT. SOUTHERN FRUIT PRODUCERS, Minot, N. Dak.
Filed May 19, 1924. Serial No. 197,302. PUBLISHED OCTOBER 7, 1924.
- 193,036. COCONUT CANDY. KISSE BROTHERS COMPANY, Springfield, Mass.
Filed April 25, 1924. Serial No. 196,123. PUBLISHED OCTOBER 7, 1924.
- 193,037. CANNED OYSTERS. HARRY O. LOWDEN as executor of the last will of George W. Lowden, deceased, Savannah, Ga.
Filed March 31, 1924. Serial No. 194,724. PUBLISHED SEPTEMBER 30, 1924.
- 193,038. EYEGLASS RECEPTACLES. WILLIAM E. MONTGOMERY, Boston, Mass.
Filed February 23, 1924. Serial No. 192,717. PUBLISHED OCTOBER 7, 1924.
- 193,039. MARMALADE. CHIVERS & SONS, LIMITED, Histon, Cambridge, England.
Filed January 23, 1924. Serial No. 191,106. PUBLISHED OCTOBER 7, 1924.
- 193,040. CONFECTION COMPRISING PUFFED WHEAT, NUTS, AND A SIRUP WHICH BINDS THE INGREDIENTS TOGETHER. TWO IN ONE CONFECTION COMPANY, Latrobe, Pa.
Filed June 19, 1923. Serial No. 182,228. PUBLISHED OCTOBER 7, 1924.
- 193,041. FRESH ORANGES AND GRAPEFRUIT. HELEN DEVINE MILLER, doing business as Richard G. Miller Estate, Falfurrias, Tex.
Filed January 12, 1923. Serial No. 174,525. PUBLISHED OCTOBER 7, 1924.
- 193,042. CANDY CONFECTIONS AND SUGAR-COATED FRUITS. THE C. R. PEARCE COMPANY, Pittsburgh, Pa.
Filed December 9, 1922. Serial No. 173,143. PUBLISHED APRIL 17, 1923.
- 193,043. CONFECTIONERY—NAMES, CHOCOLATES. BOSTON CONFECTIONERY COMPANY, Cambridge, Mass.
Filed April 9, 1921. Serial No. 145,935. PUBLISHED OCTOBER 7, 1924.
- 193,044. CIGARS. COLUMBIA CLUB CIGAR COMPANY, Ogden, Utah.
Filed September 2, 1924. Serial No. 202,008. PUBLISHED OCTOBER 7, 1924.
- 193,045. CIGARS. ANDY DEHNER CIGAR CO., Burlington, Iowa.
Filed August 28, 1924. Serial No. 201,948. PUBLISHED OCTOBER 7, 1924.
- 193,046. CANDY. COLLINS-HENCKE CANDY CO., San Francisco, Calif.
Filed August 25, 1924. Serial No. 201,835. PUBLISHED OCTOBER 7, 1924.
- 193,047. CIGARETTES. FARRIS R. SPIRE, Detroit, Mich.
Filed August 23, 1924. Serial No. 201,820. PUBLISHED OCTOBER 7, 1924.
- 193,048. FRESH CITROUS FRUITS—NAMES, FRESH ORANGES AND FRESH LEMONS. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif.
Filed August 22, 1924. Serial No. 201,789. PUBLISHED OCTOBER 7, 1924.
- 193,049. CANNED VEGETABLES AND CANNED BERRIES. THE WINOER CANNING COMPANY, Circleville, Ohio.
Filed August 18, 1924. Serial No. 201,605. PUBLISHED OCTOBER 7, 1924.
- 193,050. FRESH LIMES. ANTHONY S. LIVESEY, New York, N. Y.
Filed August 9, 1924. Serial No. 201,199. PUBLISHED OCTOBER 7, 1924.
- 193,051. MINT SAUCE. KEHOB PRESERVING CO., Clay City, Ind.
Filed August 4, 1924. Serial No. 200,948. PUBLISHED OCTOBER 7, 1924.
- 193,052. MALT EXTRACT FOR FOOD PURPOSES. H. MEINHARDT & CO., also doing business as The Home Mfg. Company, Chicago, Ill.
Filed August 2, 1924. Serial No. 200,891. PUBLISHED OCTOBER 7, 1924.
- 193,053. LIGHTING FIXTURES—NAMES, CEILING LIGHTS, SIDE LIGHTS, BRACKETS, AND STANDARDS FOR CANDLESTICKS, TABLE LAMPS, AND FLOOR LAMPS, BURNERS, SHUT-OFFS, GLOBES, GLOBE SUPPORTS, HOLDERS, SWITCHES, SOCKETS. ART CRAFT FIXTURE CO., Newark, N. J.
Filed April 21, 1924. Serial No. 195,855. PUBLISHED SEPTEMBER 30, 1924.
- 193,054. CERTAIN FOUNDRY EQUIPMENT. J. W. PAXSON CO., Philadelphia, Pa.
Filed April 7, 1924. Serial No. 195,124. PUBLISHED SEPTEMBER 30, 1924.
- 193,055. CERTAIN FOUNDRY EQUIPMENT. J. W. PAXSON CO., Philadelphia, Pa.
Filed April 7, 1924. Serial No. 195,123. PUBLISHED SEPTEMBER 30, 1924.
- 193,056. WOOLEN PIECE GOODS. E. J. WILE & CO., New York, N. Y.
Filed March 26, 1924. Serial No. 194,499. PUBLISHED SEPTEMBER 30, 1924.
- 193,057. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. ROYAL BLUE STORES, INC., Chicago, Ill.
Filed March 26, 1924. Serial No. 194,488. PUBLISHED SEPTEMBER 30, 1924.
- 193,058. CHEMICAL HEAT-PRODUCING BAGS. WESTERN SALES AGENCY, INC., Dallas, Tex.
Filed March 25, 1924. Serial No. 194,425. PUBLISHED SEPTEMBER 30, 1924.
- 193,059. CANNED EVAPORATED MILK AND CANNED CONDENSED MILK. DETROIT COMMERCE COMPANY, Detroit, Mich.
Filed March 18, 1924. Serial No. 193,995. PUBLISHED SEPTEMBER 30, 1924.
- 193,060. CERTAIN TABLE AND FURNITURE LINEN. PERLMANN, SCHAL & STERN INC., New York, N. Y.
Filed March 15, 1924. Serial No. 193,851. PUBLISHED JUNE 10, 1924.
- 193,061. SPEEDOMETERS AND AIR AND OIL PRESSURE GAUGES. H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex.
Filed March 4, 1924. Serial No. 193,225. PUBLISHED SEPTEMBER 30, 1924.

- 193,062. VEHICLE AXLES, AUTOMOBILE RADIA-TORS, VEHICLE WHEELS, VEHICLE WHEEL RIMS, AUTOMOBILE FENDERS, VEHICLE FRAMES, VEHICLE TIRE RACKS, VEHICLE STEERING COLUMNS, VEHICLE AXLE HOUSING, VEHICLE DRIVE SHAFTS, VEHICLE PEDALS, AND VEHICLE LEVERS. H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex. Filed March 4, 1924. Serial No. 193,222. PUBLISHED SEPTEMBER 30, 1924.
- 193,063. SHOE DRESSING AND POLISH. UNIVERSAL Polish Mfg. Co., Dallas, Tex., assignor to Universal Polish Mfg. Co., Wilmington, Del., a Corporation of Delaware. Filed February 28, 1924. Serial No. 193,009. PUBLISHED SEPTEMBER 30, 1924.
- 193,064. BED SPRINGS AND COILED-SPRING SUPPORTS FOR UPHOLSTERED FURNITURE AND AUTOMOBILE SEATS. PACIFIC SPRING COMPANY, Oakland, Calif. Filed February 23, 1924. Serial No. 192,728. PUBLISHED SEPTEMBER 30, 1924.
- 193,065. GENERAL MEDICINAL TONIC. SOCIETA ANONIMA FRANCESCO CINZANO & CIA., Turin, Italy. Filed February 6, 1924. Serial No. 191,919. PUBLISHED SEPTEMBER 30, 1924.
- 193,066. NONALCOHOLIC VERMOUTH. SOCIETA ANONIMA FRANCESCO CINZANO & CIA., Turin, Italy. Filed February 6, 1924. Serial No. 191,918. PUBLISHED SEPTEMBER 30, 1924.
- 193,067. CERTAIN NAMED RUGS AND PIECE GOODS. CHS. LAVY & Co., Hamburg, Germany. Filed February 1, 1924. Serial No. 191,633. PUBLISHED SEPTEMBER 30, 1924.
- 193,068. CORED AND SOLID BARS. THE CORED BAR CORPORATION, Buffalo, N. Y. Filed January 28, 1924. Serial No. 191,367. PUBLISHED SEPTEMBER 30, 1924.
- 193,069. CERTAIN NAMED RUGS AND PIECE GOODS. CHS. LAVY & Co., Hamburg, Germany. Filed January 26, 1924. Serial No. 191,328. PUBLISHED SEPTEMBER 30, 1924.
- 193,070. DAVENPORTS, HOUSEHOLD CHAIRS, ROCKERS, CANE SUITES, COUCHES, LOUNGES, OTTOMANS, AND DAY BEDS. MURDOCK & WILCKX, Los Angeles, Calif. Filed January 12, 1924. Serial No. 190,738. PUBLISHED SEPTEMBER 30, 1924.
- 193,071. PUBLICATIONS—NAMESLY, LEAFLETS, NEWSPAPER COLUMNS, AND COMPLETELY-PRINTED BOOKS PUBLISHED FROM TIME TO TIME. HENRY KAUFFMAN, Bayonne, N. J. Filed December 22, 1923. Serial No. 190,019. PUBLISHED SEPTEMBER 30, 1924.
- 193,072. CLEANING COMPOUND FOR RUGS, CARPETS, AND THE LIKE. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Filed December 17, 1923. Serial No. 189,769. PUBLISHED SEPTEMBER 30, 1924.
- 193,073. FRESH PEARS AND APPLES. VIVIAN THORNTON McCURDY, Santa Clara, Calif. Filed July 7, 1924. Serial No. 199,709. PUBLISHED OCTOBER 7, 1924.
- 193,074. COMBINATION PACKAGE OF SALAD DRESSINGS AND A PREPARED PASTE USED AS A SANDWICH FILLER. A. E. WRIGHT COMPANY, Chicago, Ill. Filed July 7, 1924. Serial No. 199,734. PUBLISHED OCTOBER 7, 1924.
- 193,075. KNIT UNDERWEAR IN ONE AND TWO PIECE GARMENTS, AND HOSIERY. E. M. HANLEY & Co., New York, N. Y. Filed July 9, 1924. Serial No. 199,783. PUBLISHED SEPTEMBER 30, 1924.
- 193,076. MEN'S AND YOUNG MEN'S SUITS AND TOPCOATS. DVORKIN BROS., New York, N. Y. Filed July 14, 1924. Serial No. 199,978. PUBLISHED SEPTEMBER 30, 1924.
- 193,077. SHOES OF LEATHER, LEATHER AND RUBBER, LEATHER AND FABRIC, AND COMBINATIONS THEREOF. JOHN J. DALY, Boston, Mass. Filed July 17, 1924. Serial No. 200,136. PUBLISHED SEPTEMBER 30, 1924.
- 193,078. RUBBER BOOTS. CONVERSE RUBBER SHOE Co., Malden, Mass. Filed July 18, 1924. Serial No. 200,183. PUBLISHED SEPTEMBER 30, 1924.
- 193,079. SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE Co., Malden, Mass. Filed July 18, 1924. Serial No. 200,185. PUBLISHED SEPTEMBER 30, 1924.
- 193,080. SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE Co., Malden, Mass. Filed July 18, 1924. Serial No. 200,186. PUBLISHED SEPTEMBER 30, 1924.
- 193,081. SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE Co., Malden, Mass. Filed July 18, 1924. Serial No. 200,187. PUBLISHED SEPTEMBER 30, 1924.
- 193,082. SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE Co., Malden, Mass. Filed July 18, 1924. Serial No. 200,190. PUBLISHED SEPTEMBER 30, 1924.
- 193,083. RUBBER BOOTS. CONVERSE RUBBER SHOE Co., Malden, Mass. Filed July 18, 1924. Serial No. 200,191. PUBLISHED SEPTEMBER 30, 1924.
- 193,084. LADIES' HATS. BLOOMBERG MILLINERY Co., Inc., Richmond, Va. Filed July 19, 1924. Serial No. 200,242. PUBLISHED SEPTEMBER 30, 1924.
- 193,085. CORSETS AND BRASSIERES. THE RITE FORM CORSET Co., Inc., New York, N. Y. Filed July 21, 1924. Serial No. 200,341. PUBLISHED SEPTEMBER 30, 1924.
- 193,086. HOSIERY. AYCOCK HOSIERY MILLS, South Pittsburg, Tenn. Filed July 22, 1924. Serial No. 200,351. PUBLISHED SEPTEMBER 30, 1924.
- 193,087. EVENING DRESS SUITS—NAMESLY, TUXEDO COATS, FULL-DRRESS COATS, VESTS, AND TROUSERS. S. RUDOFER'S SONS, Philadelphia, Pa. Filed July 23, 1924. Serial No. 200,407. PUBLISHED SEPTEMBER 30, 1924.
- 193,088. CHUCKS. THE CUSHMAN CHUCK COMPANY, Hartford, Conn. Filed July 25, 1924. Serial No. 200,481. PUBLISHED OCTOBER 7, 1924.
- 193,089. BOYS' MIDDY SUITS, BLOUSES, PANTS, JACKETS, VESTS, AND TOPCOATS. JACKIE-KLOTHES, Inc., Brooklyn, N. Y. Filed July 25, 1924. Serial No. 200,499. PUBLISHED SEPTEMBER 30, 1924.
- 193,090. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PALMERTON BOTTLING Works, Palmerton, Pa. Filed July 26, 1924. Serial No. 200,576. PUBLISHED OCTOBER 7, 1924.
- 193,091. HOSIERY. MALLOCH KNITTING MILLS, Grand Rapids, Mich. Filed July 28, 1924. Serial No. 200,620. PUBLISHED SEPTEMBER 30, 1924.

- 193,092. BOOTS AND SHOES OF LEATHER AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER. KREIDER-CREVELING SHOE Co., Boston, Mass. Filed July 20, 1924. Serial No. 200,684. PUBLISHED OCTOBER 7, 1924.
- 193,093. MEDICINAL PREPARATION USED IN THE TREATMENT OF HIGH BLOOD PRESSURE AND ALL FORMS OF HYPERTENSION OF THE CARDIO-VASCULAR SYSTEM. THE DRUG PRODUCTS Co. Inc., Long Island City, N. Y. Filed July 30, 1924. Serial No. 200,714. PUBLISHED SEPTEMBER 30, 1924.
- 193,094. NONALCOHOLIC, MALTLESS SIRUP USED IN THE PREPARATION OF SOFT DRINKS. GEORGE E. BALDWIN, doing business as Mongrel Pup Company, Seattle, Wash. Filed August 2, 1924. Serial No. 200,844. PUBLISHED OCTOBER 7, 1924.
- 193,095. DAIRY MACHINERY—VIZ, CREAM SEPARATORS. MASKIN- OCH BRÖRYGGNADS AKTIEBOLAGET Helsingfors, Finland. Filed August 4, 1924. Serial No. 200,953. PUBLISHED OCTOBER 7, 1924.
- 193,096. DAIRY MACHINERY—VIZ, CREAM SEPARATORS. MASKIN- OCH BRÖRYGGNADS AKTIEBOLAGET Helsingfors, Finland. Filed August 4, 1924. Serial No. 200,954. PUBLISHED OCTOBER 7, 1924.
- 193,097. HARDENING SOLUTION FOR PAINTS AND VARNISHES. THE CLARK PRODUCTS COMPANY, Toledo, Ohio. Filed August 6, 1924. Serial No. 201,019. PUBLISHED OCTOBER 7, 1924.
- 193,098. AUTOMOBILE POLISH. R. G. MORTON & Son, Zanesville, Ohio. Filed August 8, 1924. Serial No. 201,150. PUBLISHED OCTOBER 7, 1924.
- 193,099. NONALCOHOLIC MALT BEVERAGES. THE RENNER PRODUCTS COMPANY, Akron, Ohio. Filed August 9, 1924. Serial No. 201,208. PUBLISHED OCTOBER 7, 1924.
- 193,100. MEN'S UNDERWEAR. GEO. P. IDE & Co., Inc., Troy, N. Y. Filed August 15, 1924. Serial No. 201,451. PUBLISHED SEPTEMBER 30, 1924.
- 193,101. HOSIERY. SCHOLL MANUFACTURING COMPANY, Inc., Chicago, Ill. Filed August 15, 1924. Serial No. 201,467. PUBLISHED SEPTEMBER 30, 1924.
- 193,102. CANNED VEGETABLES. CEDAR FALLS CANNING Co., Cedar Falls, Iowa. Filed August 18, 1924. Serial No. 201,538. PUBLISHED OCTOBER 7, 1924.
- 193,103. CANNED VEGETABLES. STAUB-RICHARDSON Co., Waukesha, Wis. Filed August 18, 1924. Serial No. 201,595. PUBLISHED OCTOBER 7, 1924.
- 193,104. CANDY. EDGAR H. DU BOIS, doing business as The Great Swiss Candy Mfg. Co., Chicago, Ill. Filed August 21, 1924. Serial No. 201,699. PUBLISHED OCTOBER 7, 1924.
- 193,104. TABLE SIRUPS. HERBERT C. LONG, San Francisco, Calif. Filed June 9, 1924. Serial No. 198,319. PUBLISHED SEPTEMBER 30, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

- 193,105. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LAMB MACHINE COMPANY, Hoquiam, Wash. Filed June 18, 1921. Serial No. 149,338.



Particular description of goods.—Logging Blocks and Parts, Line Rollers, Line Spools, Loading Jacks, Clevises, Dogs, Mauls, Tongas, Setter Attachments for Shingle Machines, and Pumps.
Claims use since on or about Jan. 1, 1920.

- 193,106. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif. Filed Apr. 16, 1923. Serial No. 179,216.

NO WASTE

Particular description of goods.—Toilet-Paper Fixtures.
Claims use since Apr. 1, 1916.

- 193,107. (CLASS 39. CLOTHING.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Aug. 2, 1923. Serial No. 183,955.

LENOX

Particular description of goods.—Gloves, Kid Gloves, Knitted Mittens, Knitted Gloves, Gauntlets, Mitts, and Knit Gloves.
Claims use since June 1, 1923.

- 193,108. (CLASS 33. GLASSWARE.) HAZEL M. BRIDGES, Malden, Mass., assignor to Silex Company, Malden, Mass., a Corporation of Connecticut. Filed Oct. 8, 1923. Serial No. 186,802.

SILEX

Particular description of goods.—Glass Including Articles Made of Glassware.
Claims use since July 12, 1913.

193,109. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARVEL CARBURTER COMPANY, Flint, Mich. Filed Oct. 9, 1923. Serial No. 186,751.

JENNEY

Particular description of goods.—Gasoline Gauges.
Claims use since on or about Sept. 21, 1923.

193,110. (CLASS 39. CLOTHING.) E. GUTHRIE CO., Paducah, Ky. Filed Apr. 14, 1924. Serial No. 195,516.

Marion Lewis

Particular description of goods.—Ladies' Fabric and Leather Gloves, Hosiery, and Dresses.
Claims use since 1912.

193,111. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HART MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 10, 1924. Serial No. 199,839.

HART'S DUPLEX

Particular description of goods.—Dies, Die Stocks, and Screw-Threading Tools.
Claims use since Oct. 15, 1922.

193,112. (CLASS 39. CLOTHING.) D. GOODMAN & CO., New York, N. Y. Filed July 12, 1924. Serial No. 199,938.

SERVE YOUR CLOTHES

Particular description of goods.—Clothing—Namely, Men's Outer Apparel.
Claims use since Jan. 1, 1922.

193,113. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBUS VENDING COMPANY, Columbus, Ohio. Filed July 28, 1924. Serial No. 200,611.

COLUMBUS

Particular description of goods.—Vending Machines.
Claims use since January, 1911.

193,114. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW ENGLAND TEXTILE CORPORATION, New York, N. Y. Filed Aug. 8, 1924. Serial No. 201,152.

HISPANO

Particular description of goods.—Silk Fabrics in Bolts and in the Piece.
Claims use since July 1, 1923.

193,115. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALLEN ELLIS BOSLEY, doing business as Banner Accessory Mfg. Co., St. Louis, Mo. Filed Aug. 15, 1924. Serial No. 201,427.

NO. 43 STA-RITE FAN PULLEY RIMS.

Particular description of goods.—Fan-Pulley Rims.
Claims use since Feb. 8, 1923.

193,116. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LITTLE RED WAGON MFG. CO., Omaha, Nebr. Filed Sept. 22, 1924. Serial No. 202,575.

THE STROUD OMAHA

Particular description of goods.—Elevating Graders Used in the Construction of Roads, Railway Embankments, Levee Embankments, and for Like Purposes.
Claims use since 1899.

193,117. (CLASS 10. FERTILIZERS.) THOMAS HERSON & COMPANY, New Bedford, Mass. Filed Oct. 7, 1924. Serial No. 203,519.

HERSON'S NEVERFAIL

Particular description of goods.—Fertilizer.
Claims use since Jan. 1, 1920.

193,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed Oct. 18, 1924. Serial No. 204,089.

OCRE ROSÉE

Particular description of goods.—Lip Sticks, Rouges, and Face Powder.
Claims use since Sept. 15, 1923.

193,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES PACKING COMPANY, Halls, Tenn. Filed Mar. 19, 1924. Serial No. 194,089.



Particular description of goods.—Canned Chick Peas.
Claims use since Nov. 3, 1923.

193,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK P. MITCHELL, doing business as Mitchell Laboratory, Battle Creek, Mich. Filed Apr. 1, 1924. Serial No. 194,811.

Anti-Fat

Particular description of goods.—Chewing Gum.
Claims use since Oct. 23, 1923.

193,121. (CLASS 39. CLOTHING.) NORTHERN GLOVE & MITTEN CO., Green Bay, Wis. Filed May 31, 1924. Serial No. 197,597.

BEST OF FALL

Particular description of goods.—Gloves and Mittens Made in Combination of Leather with Fabric and Rubberized Ducking Combination.
Claims use since January, 1923.

193,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Sept. 27, 1924. Serial No. 203,152.

DAUPHIN COUNTY

Particular description of goods.—Sausage.
Claims use since Aug. 17, 1912.

193,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Sept. 27, 1924. Serial No. 203,151.

CLINTON

Particular description of goods.—Sausage.
Claims use since January, 1907.

329 O. G.—39

193,124. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETERSBURG PACKING COMPANY, Seattle, Wash. Filed Sept. 22, 1924. Serial No. 202,890.

PINK PERFECTION

Particular description of goods.—Canned Fish.
Claims use since July 1, 1900.

193,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINUS E. BUTERBAUGH, Commodore, Pa. Filed Mar. 14, 1922. Serial No. 160,654.

BUTERBAUGH'S FAVORITE

Particular description of goods.—Medicine for Quinsy.
Claims use since Jan. 5, 1922.

193,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENNETT & ROYALTY, Dyer, Ky. Filed May 31, 1923. Serial No. 181,374.

BEARS FOOT

Particular description of goods.—Medicines for Use in the Treatment of the Blood, Ailments of the Stomach, Neuralgia, White Swellings; a Vermifuge; Ointment Used in the Treatment of Rheumatism, Ulcers, Stiff Joints, Sprains, Bruises, Contracted Muscles, Cuts, Swellings, and Burns; Hair Tonic, an Ointment for Use in the Treatment of Tetter and Ringworm, Nerve Tonics, Antiseptic Washes; and Preparations for Use in the Treatment of Boid Hives, Appendicitis, Coughs, Chills, Cancers, Lungs, Influenza, Pleurisy, Liver and Bowels, Corns and Warts, St. Vitus's Dance, Piles, Gallstones, Blood Poison, Catarrh, Eczema, Nerves, Dropsy, Heart, Kidneys, Asthma.
Claims use since May 10, 1923.

193,127. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. FLEISCHER & SONS, Cincinnati, Ohio. Filed Aug. 15, 1923. Serial No. 184,495.

Fleischer's WASHABLE

Particular description of goods.—Narrow Braided and Woven Elastic.
Claims use since July 24, 1923.

193,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. G. MOUSON & CO., Frankfurt-on-the-Main, Germany. Filed Aug. 20, 1923. Serial No. 184,742.

Creme Mouson

Particular description of goods.—Face Powder and Face Cream.
Claims use since Oct. 31, 1923.

193,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENZ TOILET PRODUCTS, INC., Syracuse, N. Y. Filed Aug. 31, 1923. Serial No. 185,199.

LA MIGLIORE

Particular description of goods.—Talcum Powders, Face Powders, Face Creams, Compacts, Lip Sticks, Rouges, Toilet Waters, and Perfumes.
Claims use since May 31, 1923.

193,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUSHIAN HAMILTON, Silver City, Miss. Filed Jan. 10, 1924. Serial No. 190,638.

HAMILTON'S LINIMENT & REMEDY

Particular description of goods.—Liniment.
Claims use since Nov. 1, 1923.

193,131. (CLASS 37. PAPER AND STATIONERY.) PAPER MANUFACTURERS CO. INC., Philadelphia, Pa. Filed Apr. 5, 1924. Serial No. 195,069.

PERFECTION

Particular description of goods.—Tape Roll Paper.
Claims use since Oct. 4, 1923.

193,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. & W. GIBBS, LIMITED, London, England. Filed Apr. 24, 1924. Serial No. 196,055.

Gibbs

Particular description of goods.—Toilet Creams, Toilet Powders, Shampoo Powders, Dentifrices, and Preparations for the Hair.
Claims use since 1914.

193,133. (CLASS 32. FURNITURE AND UPHOLSTERY.) EASTMAN MFG. CO., INC., Union City, Pa. Filed Sept. 2, 1924. Serial No. 202,101.



Particular description of goods.—Children's Desks.
Claims use since September, 1919.

193,134. (CLASS 35. PRINTS AND PUBLICATIONS.) LEWIS M. ANDREWS, doing business as American Map Company, New York, N. Y. Filed Sept. 26, 1924. Serial No. 203,067.

CLEARTYPE

Particular description of goods.—Maps and Atlases.
Claims use since July 3, 1923.

193,135. (CLASS 39. CLOTHING.) BARON BROS. MILLINERY COMPANY, Dallas, Tex. Filed Sept. 9, 1924. Serial No. 202,372.



Particular description of goods.—Hats for Women and Children.
Claims use for three years.

193,136. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY COMPANY, INC., New Orleans, La. Filed Oct. 1, 1924. Serial No. 203,261.

**"Goodness
knows
They're
Good"**

Particular description of goods.—Candy.
Claims use since Jan. 1, 1915.

193,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPHINE R. SCHANG, Lexington, Ky. Filed June 4, 1921. Serial No. 148,074.

SCHANG'S

Home of Home-Made Candies

Particular description of goods.—Candies.
Claims use since Jan. 1, 1912.

193,138. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WILLIAM H. SMITH, Newark, N. J. Filed Aug. 10, 1923. Serial No. 184,304.



Particular description of goods.—Traveling Bags.
Claims use since Aug. 5, 1923.

193,139. (CLASS 17. TOBACCO PRODUCTS.) THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va. Filed Aug. 18, 1923. Serial No. 184,636.

KENWOOD

Particular description of goods.—Smoking Tobacco.
Claims use since July 30, 1923.

193,140. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,820.

**GARLOCK
STYLE NO. 15**

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,141. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,825.

Style No. 31 | **GARLOCK
SILVER-BRAND SQUARE FLAX**
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,142. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,827.

Style No. 63 | **GARLOCK
COIL**
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,143. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,830.

**GARLOCK
STYLE NO. 92**

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,144. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,841.

Style No. 601 | **GARLOCK
HIGH PRESSURE GASKETS**
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Sept. 6, 1906.

193,145. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,843.

Style No. 604 | **GARLOCK
HIGH PRESSURE GASKETS**
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,146. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,475.

GENUINE LORRAINE PRADO CORDS

Particular description of goods.—Cotton and Silk Goods in the Piece and Wool and Silk Goods in the Piece.
Claims use since June 20, 1921.

193,147. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES. THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Sept. 18, 1923. Serial No. 185,898.

Style No.
144

GARLOCK
PALMYRA COIL
THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since 1904.

193,148. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES. THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Sept. 18, 1923. Serial No. 185,901.

GARLOCK STYLE NO. 146

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since 1904.

193,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL FRUIT COMPANY, San Francisco, Calif. Filed Nov. 22, 1923. Serial No. 188,660.

OH YES! WE GROW THE BEST

Particular description of goods.—Fresh Deciduous Fruits, Citrous Fruits, and Bananas.
Claims use since Oct. 10, 1923.

193,150. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) GILCHRIST AND COMPANY, Chicago, Ill. Filed Nov. 28, 1923. Serial No. 188,909.

Power from Waste

Particular description of goods.—Steam-Boller Furnaces and Parts Thereof.
Claims use since July 15, 1922.

193,151. (CLASS 39. CLOTHING.) JOSEPH ANDRICK, Ridgway, Pa. Filed Dec. 5, 1923. Serial No. 189,228.



Particular description of goods.—Garment Sleeve Protectors.
Claims use since Oct. 24, 1923.

193,152. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NEW YORK TOY HOUSE, INC., New York, N. Y. Filed Dec. 10, 1923. Serial No. 189,460.

PETER PAN

Particular description of goods.—Favors—Namely, Nut Cups, Paper Hats, and Confetti.
Claims use since Nov. 1, 1923.

193,153. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE FISH NET & TWINE COMPANY, Jersey City, N. J. Filed Jan. 10, 1924. Serial No. 190,879.

STEEL GREY

Particular description of goods.—Linen Gill Fish Netting.
Claims use since Jan. 10, 1912.

193,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM MILLER, doing business as The Atlas Fluid Company, Cincinnati, Ohio. Filed Apr. 4, 1924. Serial No. 194,970.



Embalming Fluid

Particular description of goods.—Embalming Fluid.
Claims use since Jan. 1, 1923.

193,155. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAY'S FRUIT JUICE COMPANY, Portland, Me. Filed June 28, 1924. Serial No. 199,285.



Particular description of goods.—A Fruit Sirup Used as a Food Drink or Food Flavor.
Claims use since 1917.

193,156. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY-BROWN COMPANY, INC., Glendale, Calif. Filed Aug. 18, 1924. Serial No. 201,556.

GLENDALE PUNCH

Particular description of goods.—Nonintoxicating, Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirup Used for Making the Same.
Claims use since Mar. 12, 1923.

193,157. (CLASS 39. CLOTHING.) OWEN OSBORNE INCORPORATED, Philadelphia, Pa. Filed Aug. 29, 1924. Serial No. 202,933.

OWEN OSBORNE

Particular description of goods.—Hosiery.
Claims use since May 12, 1914.

193,158. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LIBERTY & CO. LTD., London, England. Filed Sept. 2, 1924. Serial No. 202,126.

TYRIAN

Particular description of goods.—Silk Piece Goods.
Claims use since 1901.

193,159. (CLASS 2. RECEPTACLES.) SHARPSVILLE BOILER WORKS CO., Sharpsville, Pa. Filed Sept. 2, 1924. Serial No. 202,140.



Particular description of goods.—Iron and Steel Storage and Pressure Tanks.
Claims use since October, 1921.

193,160. (CLASS 12. CONSTRUCTION MATERIALS.) MID-WEST METAL PRODUCTS CO., Muncie, Ind. Filed Sept. 5, 1924. Serial No. 202,259.

KRUSE

Particular description of goods.—Metallic Mounting Strips for Switch Boxes and Metallic Lath Holders. Claims use since Jan. 1, 1921.

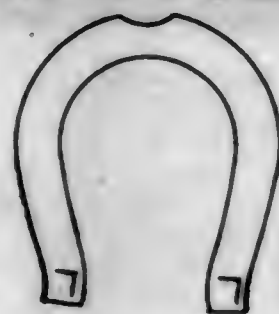
193,161. (CLASS 45. BEVERAGES. NONALCOHOLIC.) MAX GLAZER, doing business as M-G Bottling Works, Dallas, Tex. Filed Sept. 8, 1924. Serial No. 202,337.

Bitewine

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink. Claims use since Sept. 18, 1922.

193,162. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MORRIS RUN COAL MINING COMPANY, Wilkes-Barre, Pa. Filed Sept. 8, 1924. Serial No. 202,350.

REFINED BLOSS
SMITHING



Particular description of goods.—Coal. Claims use since 1835.

193,163. (CLASS 39. CLOTHING.) KEHN BROTHERS, Chicago, Ill. Filed Sept. 20, 1924. Serial No. 202,810.

GENUINE
Strong-Arch
TRADE FOOTWEAR MARK

Particular description of goods.—Shoes of Leather and Combinations of Leather and Fabric. Claims use since Apr. 4, 1923.

LABELS

REGISTERED DECEMBER 16, 1924.

27,928.—Title: THE A AND P CIGAR. For Cigars. THE ARTHUR-PERRY CIGAR CO., Red Lion, Pa. Published July 15, 1924.

27,929.—Title: PROBLEM SOLVED. For Cod-Liver-Oil Compound. ANDREW BERKHALL, Lakewood, Ohio. Published July 10, 1924.

27,930.—Title: HEALIT. For Salve. HEALIT MANUFACTURING CO., Boundbrook, N. J. Published July 23, 1924.

27,931.—Title: LUCKY DUX. For Infants' Hose. HUB HOSIERY MILLS, Boston, Mass. Published July 29, 1924.

27,932.—Title: ALL-OREGON. For Fruited Candles. MEIER & FRANK COMPANY, Portland, Oreg. Published June 1, 1924.

27,933.—Title: ALL SOUTHERN FRUITS. For Candy. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published September 5, 1924.

27,934.—Title: S. P. CO. For Toilet Paper. SCOTT PAPER COMPANY, Chester, Pa. Published December 20, 1921.

27,935.—Title: ZONITE. For Antiseptic, Germ Destroyer, Disinfectant, Deodorant, and Bleach. ZONITE PRODUCTS COMPANY, New York, N. Y. Published July 1, 1924.

PRINTS

REGISTERED DECEMBER 16, 1924.

7,603.—Title: THE AGE OF "THRILLS!" For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published September 10, 1924.

7,604.—Title: LAYING THE CORNERSTONE. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published September 10, 1924.

7,605.—Title: SHE WROTE A LETTER OF INTRODUCTION FOR A FRIEND AND SEALED IT! For Eaton's Highland Linen and Crane's Writing Papers. EATON, CRANE AND PIKE COMPANY, Pittsfield, Mass. Published August 1, 1924.

7,606.—Title: EMPIRE THRIFT BONDS. For Bonds. EMPIRE BOND AND MORTGAGE CORPORATION, Wilmington, Del., and New York, N. Y. Published August 20, 1924.

7,607.—Title: SCHELLING CALLED ARCHITECTURE "FROZEN MUSIC." For Pipe Organs. THE ESTEY ORGAN COMPANY, Brattleboro, Vt. Published August 1, 1924.

7,608.—Title: BRUSH YOUR TEETH WITH FORHAN'S FOR THE GUMS. For Preparation for the Teeth. FORHAN COMPANY, New York, N. Y. Published June 11, 1924.

7,609.—Title: WHY WE ADVERTISE THE "57." For Heinz Products. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published July 26, 1924.

7,610.—Title: WHO WANTS TO COOK? For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published July 1, 1924.

7,611.—Title: A HEINZ MEAL IN THE OPEN. For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published July 1, 1924.

7,612.—Title: IMPROVE YOUR HANDS WITH. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published August 1, 1924.

7,613.—Title: SO-COOLING FOR SUNBURN. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published August 1, 1924.

7,614.—Title: TO HAVE SOFT VELVETY SKIN. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published June 2, 1924.

7,615.—Title: GIVES GIRLISH BEAUTY. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published June 2, 1924.

7,616.—Title: HOUSEWORK MAKES ROUGH HANDS. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published May 1, 1924.

7,617.—Title: CLEAN YOUR HANDS. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published May 1, 1924.

7,618.—Title: VACATION TIME. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published July 1, 1924.

7,619.—Title: A CLEAR COMPLEXION. For Hinds Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published July 1, 1924.

7,620.—Title: BIGGER AND BETTER. For Bagpipe Chewing Tobacco. P. LORILLARD CO., INC., New York, N. Y. Published June 21, 1924.

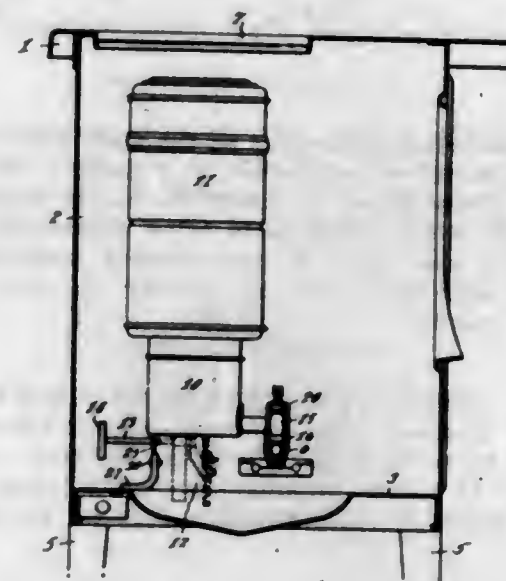
7,621.—Title: MENNEN BORATED TALCUM. For Mennen Borated Talcum. THE MENNEN COMPANY, Newark, N. J. Published April 3, 1924.

7,622.—Title: SAFEGUARD YOUR HOME BY PREVENTING CLOGGED DRAIN PIPES. For Drain-Pipe Solvent. ROSS MANUFACTURING CO., Kansas City, Mo. Published May 26, 1924.

REISSUES

DECEMBER 16, 1924.

15,964. ADJUSTABLE SUPPORT FOR BURNERS AND THE LIKE. LEO S. CHADWICK, Shaker Heights, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 29, 1923. Serial No. 671,611. Original No. 1,441,660, dated Jan. 9, 1923, Serial No. 520,002, filed Dec. 5, 1921. 19 Claims. (Cl. 158—86.)

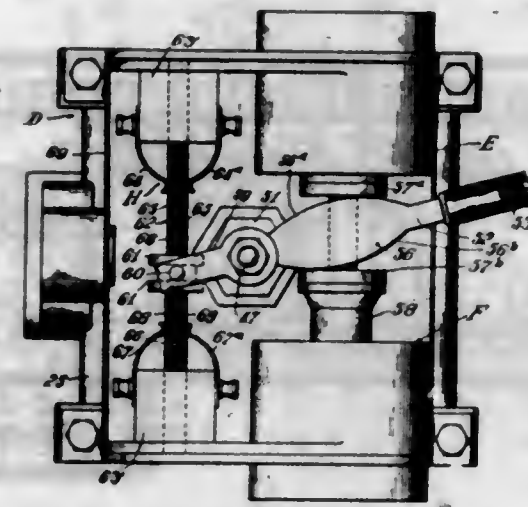


10. In a stove structure, the combination of a supply pipe, a burner situated at one side thereof, an elbow fitting extending from the side of the burner and reposing upon a seat of the pipe, and a clamp for binding the elbow fitting to the supply pipe, said clamp comprising a U-shaped element extending down over the fitting and pipe, one branch whereof is slotted for the passage of the fitting, the branches approaching each other below the pipe, a loop through which the end portions of the branches are extended and beyond which they are turned outwardly and a screw having operative connection with the central portion of the U-shaped element and bearing upon the top of the elbow fitting for placing the parts under tension and forcing the elbow fitting against the seat of the pipe.

15,965. VALVE. EDWARD A. RUSSELL, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed May 12, 1923. Serial No. 638,682. Original application filed Dec. 31, 1920, Serial No. 434,179. Divided and this application filed Aug. 13, 1921, Serial No. 492,207. Original No. 1,442,973, dated Jan. 23, 1923. 21 Claims. (Cl. 137—139.)

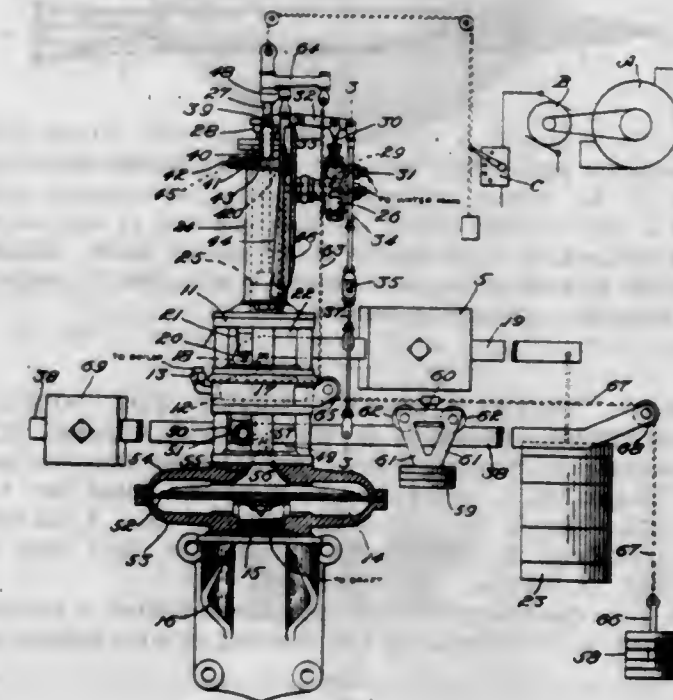
21. In combination with a valve having a movable member, and means for imparting movement to said valve alternately in opposite directions, comprising a pair of solenoids adapted for alternate energization and having a unitary core structure provided with spaced heads, and a lever operatively connected with said valve member and extending between said heads, obliquely to the length of the solenoid core when the valve member is in

either extreme position, the portion of which lever lying between said heads is formed with outwardly curved edges in contact with the heads, respectively.



whereby the leverage of the movable member of the valve is greatest at the beginning of each of the movements of the core.

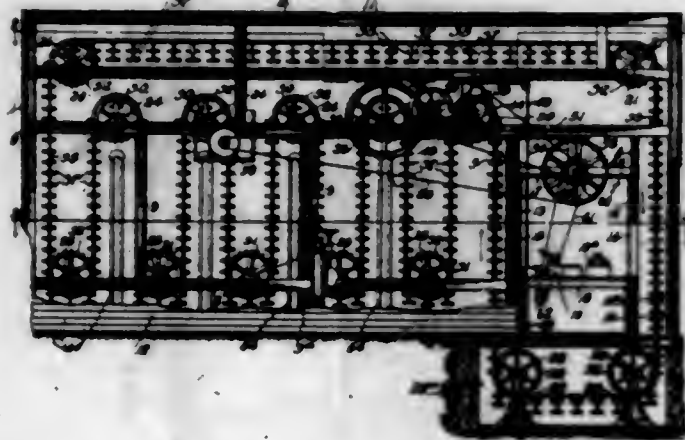
15,966. PRESSURE REGULATOR. GEORGE S. MELCHER, deceased, late of Sharon, Mass., by Fannie O. Melcher, executrix, Sharon, Mass.; said George S. Melcher assignor to Charles W. McConnell, Boston, Mass.; Eldon MacLeod, Westwood, Mass.; and Fannie B. Look, Northampton, Mass., trustees, doing business as Mason Regulator Company. Filed June 7, 1923. Serial No. 644,062. Original No. 1,445,341, dated Feb. 13, 1923, Serial No. 343,000½, filed Dec. 6, 1919. 17 Claims. (Cl. 236—85.)



16. A pressure regulating mechanism comprising a lever, a pressure sensitive element subjected to a variable pressure and acting on said lever at one side of the fulcrum thereof to apply thereto a moment in one direction, means for applying to said lever a variable counteracting moment in the opposite direction, means

for applying to said lever an additional moment in said first named direction, a motor controlled by said lever and operatively connected with said counteracting moment applying means to vary said counteracting moment, and means operated by said motor for controlling the pressure to be regulated.

15,967. DRYING RACK FOR POTTERY MANUFACTURE. CHARLES L. SEBRING, Sebring, Ohio. Filed Mar. 15, 1924. Serial No. 699,602. Original application filed July 22, 1920, Serial No. 398,252. Renewed Jan. 19, 1922, Serial No. 530,493. Original No. 1,410,275, dated Mar. 21, 1922. 9 Claims. (Cl. 34-12.)



1. In a drying rack and conveyor of the character described, a drying chamber and a conveyor mounted within said drying chamber and arranged to be moved in a circuitous course therein, said drying chamber having adjacent openings for filling and emptying the conveyor.

15,968. PENCIL. JAMES H. WARING, Milwaukee, Wis., assignor, by mesne assignments, to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 13, 1924. Serial No. 737,570. Original No. 1,430,204, dated Sept. 26, 1922, Serial No. 448,318, filed Feb. 28, 1921. 12 Claims. (Cl. 120-17.)

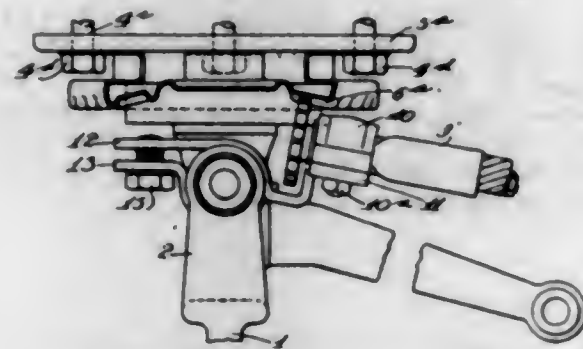


1. In a pencil, a casing, means movable within the casing for projecting the lead, a sleeve fitted upon one end of the casing and provided with an enlarged end, and a cap movable within the enlarged end of the sleeve and limited by said sleeve so as not to move beyond the end of said sleeve, said cap being operable for actuating said lead projecting means.

15,969. STEERING-WHEEL DRIVE FOR SPEEDOMETERS. FREDERIK G. WHITTINGTON, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Dec. 14, 1923. Serial No. 680,772. Original No. 1,466,865, dated Sept. 4, 1923, Serial No. 565,886, filed June 5, 1922. 7 Claims. (Cl. 74-7.)

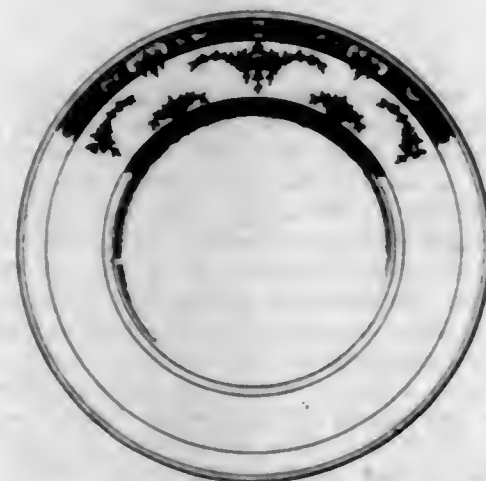
1. In a construction for the purpose indicated, a bracket adapted to be clamped on the steering knuckle spindle so

as to be adjustable thereabout and having means for clamping the casing of a flexible shaft, said shaft having its casing held in said bracket; a gear on said shaft and a gear on the steering wheel with which the first mentioned gear meshes, the steering wheel gear being of the type having the teeth oblique to the plane of rotation; the bracket being mounted and adjusted on the knuckle



spindle for bringing the gear on the shaft into mesh with the gear on the steering wheel at a point in the circumference of the latter at which the teeth thereof trend rearwardly inward, the parts being dimensioned for so positioning the shaft by the vertical positioning and rotative adjustment of the bracket on said steering knuckle spindle.

15,970. DESIGN FOR A PLATE OR SIMILAR ARTICLE. EDWARD JOHN RIDGWAY, Staten Island, N. Y. Filed July 11, 1923. Serial No. 6750 1/4. Term of patent 14 years. Original No. 62,085, dated Mar. 6, 1923, Serial No. 624, filed Feb. 9, 1922, for 3 1/2 years.

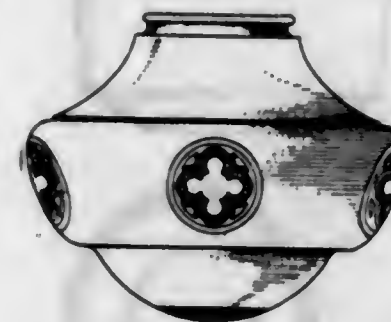


The ornamental design for a plate or similar article as shown and described.

DESIGNS

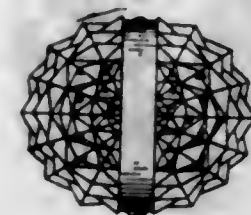
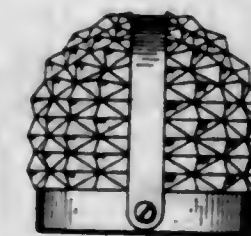
DECEMBER 16, 1924.

66,220. LIGHTING-FIXTURE URN. HARRY C. ADAM, St. Louis, Mo. Filed July 2, 1924. Serial No. 10,025. Term of patent 14 years.



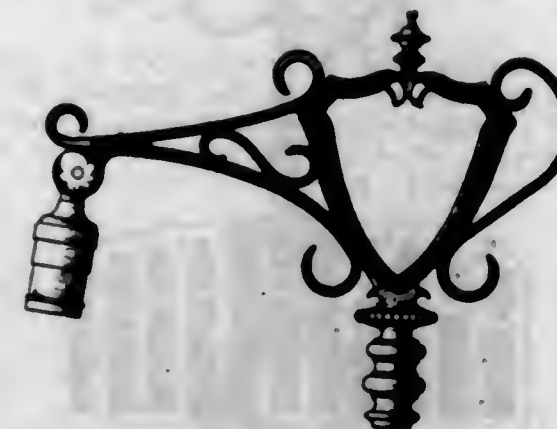
The ornamental design for a lighting fixture urn, as shown.

66,221. PARKING LIGHT. HERBERT G. BEYER, Baltimore, Md., assignor to Rac-Lite Manufacturing Co., Baltimore, Md., a Corporation of Maryland. Filed Sept. 17, 1924. Serial No. 10,802. Term of patent 14 years.



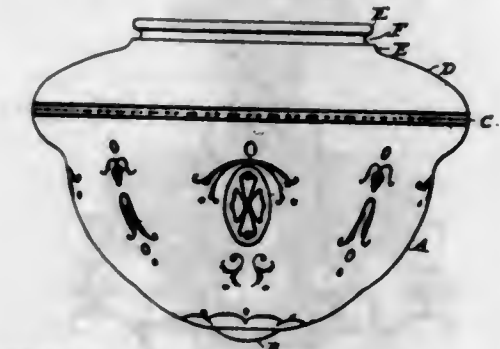
The ornamental design for a parking light, as shown.

66,222. BRACKET FOR LAMP AND LIKE STANDS. LESLIE H. BURLIN, Chicago, Ill. Filed Oct. 10, 1924. Serial No. 11,015. Term of patent 7 years.



The ornamental design for a bracket for lamp and like stands, as shown.

66,223. LIGHTING GLOBE. CHARLES A. CAMPBELL, New York, N. Y. Filed July 3, 1924. Serial No. 10,047. Term of patent 3 1/2 years.



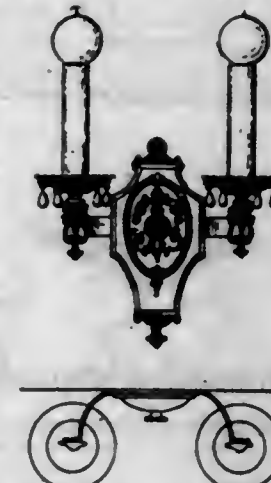
The ornamental design for a lighting globe as shown and described.

66,224. GLOBE-CLOCK CASE. MICHAEL COMFORT, Plantsville, Conn., assignor of one-fourth to Mary Trybalski, Milldale, Conn., and one-fourth to Wojciech alias George Trybalski, Milldale, Conn. Filed Mar. 13, 1924. Serial No. 8,921. Term of patent 14 years.



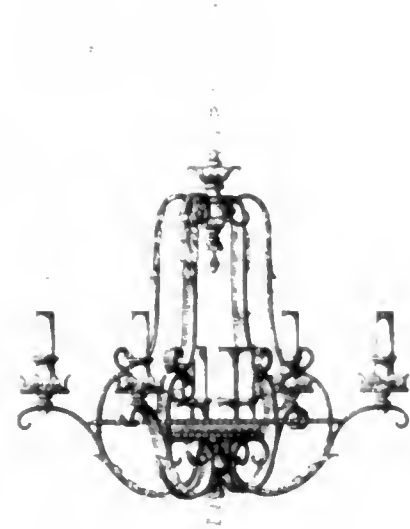
The ornamental design for a globe-clock case, as shown.

66,225. ELECTRIC WALL BRACKET. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Apr. 20, 1922. Serial No. 1,850. Term of patent 3 1/2 years.



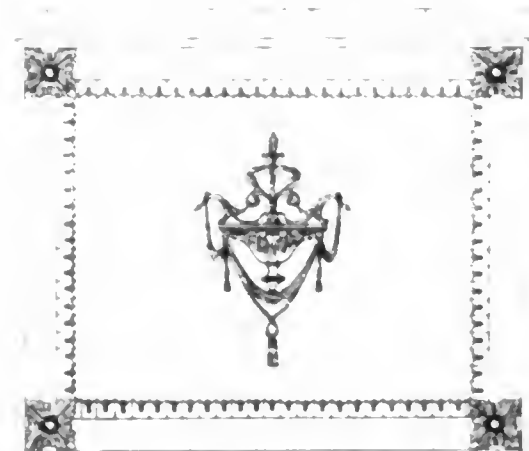
The ornamental design for an electric wall bracket, as shown.

66,226. CHANDELIER. LE ROY A. CHMIEV, New York, N. Y., assignor to The Ferro Art Lighting Fixtures Co., Inc., a Corporation of New York. Filed Oct. 18, 1924. Serial No. 11,106. Term of patent 7 years.



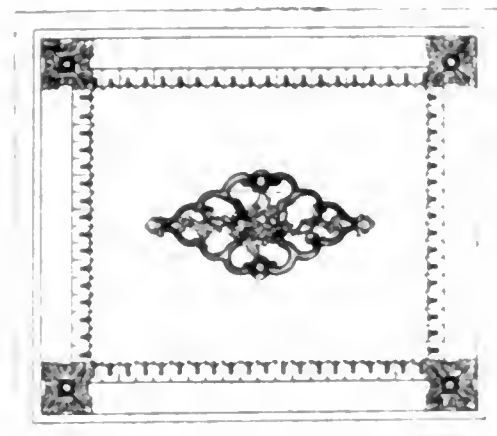
The ornamental design for a chandelier, as shown.

66,227. GRILLE FOR PHONOGRAPH CABINETS. THOMAS A. EDISON, West Orange, N. J., Filed Oct. 17, 1924. Serial No. 11,103. Term of patent 14 years.



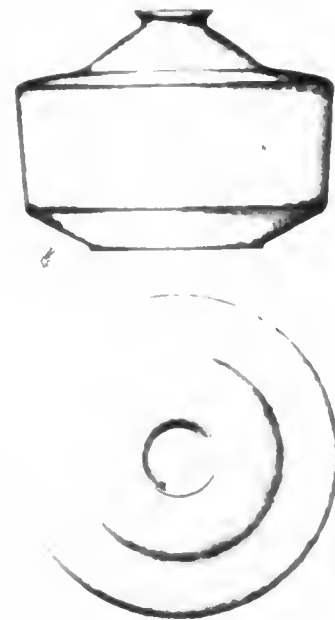
The ornamental design for a grille for phonograph cabinets, as shown.

66,228. GRILLE FOR PHONOGRAPH CABINETS. THOMAS A. EDISON, West Orange, N. J., Filed Oct. 17, 1924. Serial No. 11,104. Term of patent 14 years.



The ornamental design for a grille for phonograph cabinets, as shown.

66,229. GLASS ILLUMINATING BOWL. EDGAR A. GILLINDER, Philadelphia, Pa., assignor to Gillinder & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1923. Serial No. 6,000. Term of patent 3½ years.



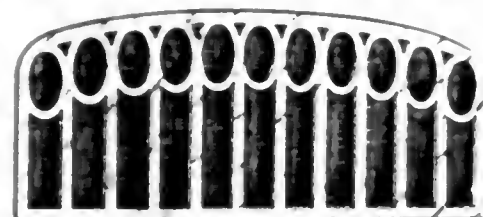
The ornamental design for a glass illuminating bowl, as shown.

66,230. PLATE OR SIMILAR ARTICLE. J. J. LEVINE, Greenwich, Stoke-on-Trent, Eng., assignor to Joseph Wedgwood & Sons, Inc., America, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1924. Serial No. 10,132. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown and described.

66,231. GRILLE FOR RADIO CABINET OR SIMILAR ARTICLE. LEON ROBERT C. EDWARDS, Elizabeth, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed July 19, 1924. Serial No. 10,195. Term of patent 14 years.



The ornamental design for a grille for radio cabinet or similar article, as shown.

66,232. RING OR SIMILAR ARTICLE. LAWSON L. JAFFE, Chicago, Ill., assignor to M. S. Levinson & Company, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1924. Serial No. 9,711. Term of patent 7 years.



The ornamental design for a ring or similar article, as shown.

66,233. TUMBLER. T. CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed June 2, 1923. Serial No. 6,377. Term of patent 14 years.



The ornamental design for a tumbler, as shown.

66,234. DISPLAY STAND. WILLIAM E. KEMOE, San Francisco, Calif., Filed Aug. 20, 1924. Serial No. 10,500. Term of patent 7 years.



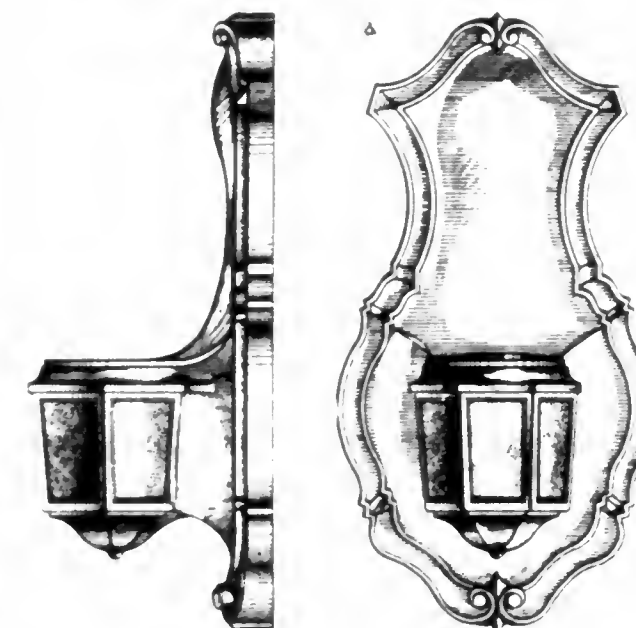
The ornamental design for a display stand, as shown.

66,235. LAMP-SOCKET STANDARD. ARTHUR ROBERT KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 10,987. Term of patent 7 years.



The ornamental design for a lamp socket standard, as shown.

66,236. LAMP WALL BRACKET. ARTHUR ROBERT KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 10,989. Term of patent 7 years.



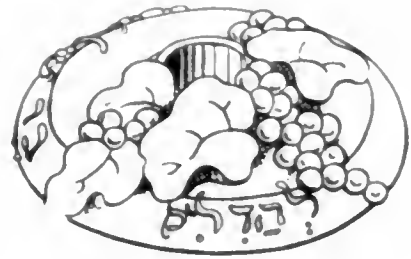
The ornamental design for a lamp wall bracket, as shown.

66,237. CANDLESTICK. LULU VERHOREN LAVELL, Minneapolis, Minn., Filed Oct. 5, 1923. Serial No. 7,401. Term of patent 14 years.



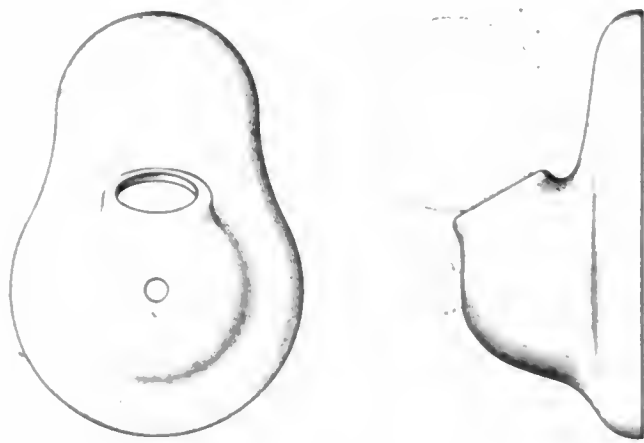
The ornamental design for a candlestick, as shown.

66,238. CANDLE HOLDER. LULU V. LAVELL, Minneapolis, Minn. Filed Oct. 5, 1923. Serial No. 7,402. Term of patent 14 years.



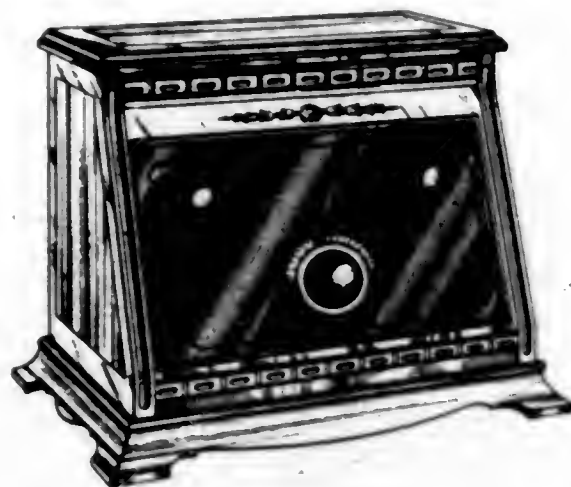
The ornamental design for a candle-holder, as shown.

66,239. LIGHTING-FIXTURE COVER. EMORY S. LEWIS, New York, N. Y. Filed July 28, 1924. Serial No. 10,274. Term of patent 7 years.



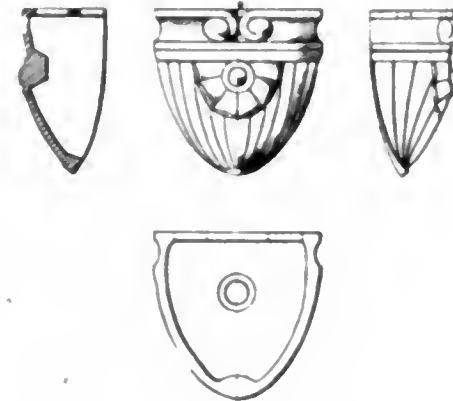
The ornamental design for a lighting fixture cover substantially as shown.

66,240. RADIO-CABINET. DOUGLAS DE MARE, Chicago, Ill.; assignor to Mohawk Electric Corporation, a Corporation of Illinois. Filed Oct. 22, 1924. Serial No. 11,138. Term of patent 7 years.



The ornamental design for a radio cabinet as shown.

66,241. HUSK FOR WALL PLATES. KARL NACKE, Brooklyn, N. Y. Filed Oct. 19, 1922. Serial No. 4,923. Term of patent 3½ years.



The ornamental design for a husk for wall plates as shown.

66,242. SALT SHAKER OR SIMILAR ARTICLE. HARRY NEGBAUR, New York, N. Y., assignor to E. & J. Bass, Inc., a Corporation of New York. Filed Oct. 28, 1924. Serial No. 11,204. Term of patent 3½ years.



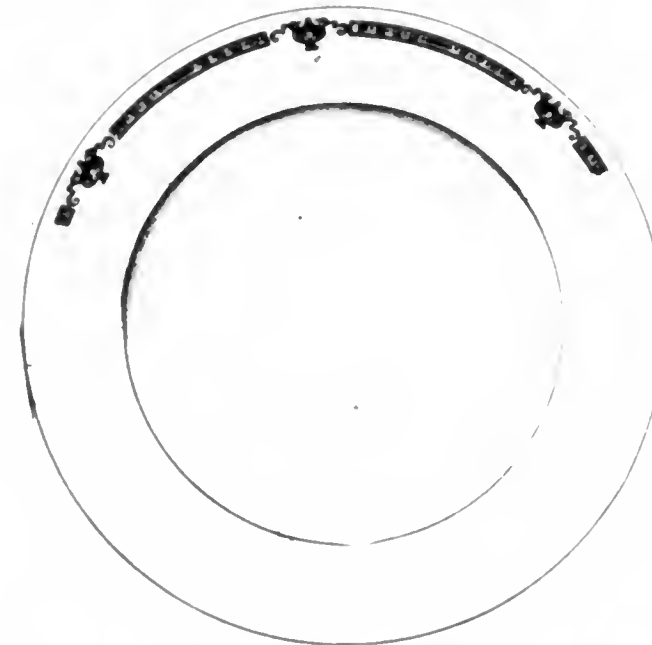
The ornamental design for a salt shaker or similar article substantially as shown.

66,243. SALT SHAKER OR SIMILAR ARTICLE. HARRY NEGBAUR, New York, N. Y., assignor to E. & J. Bass, Inc., a Corporation of New York. Filed Oct. 28, 1924. Serial No. 11,205. Term of patent 3½ years.



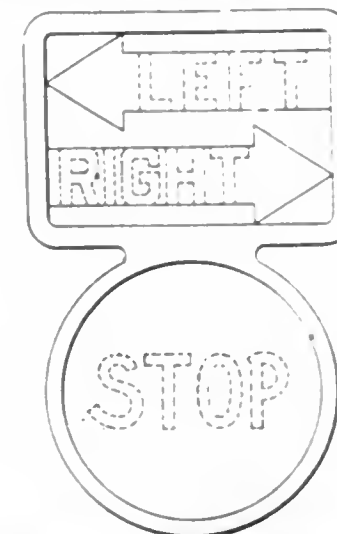
The ornamental design for a salt shaker or similar article substantially as shown.

66,244. PLATE OR SIMILAR ARTICLE. THOMAS WILSON OBERT, Eastwood, N. Y., assignor to Iroquois China Company, Syracuse, N. Y., a Corporation of New York. Filed Sept. 22, 1924. Serial No. 10,870. Term of patent 7 years.



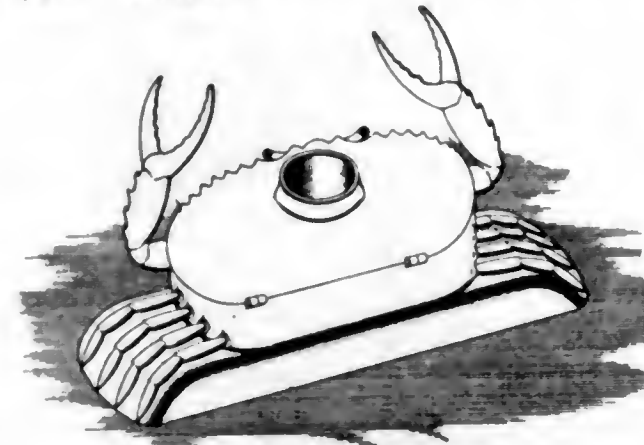
The ornamental design for a plate or similar article, as shown.

66,245. SIGNAL-LAMP FACE PLATE. LA VERN R. PARR, Los Angeles, Calif. Filed June 3, 1922. Serial No. 2,514. Term of patent 3½ years.



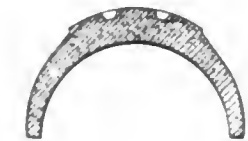
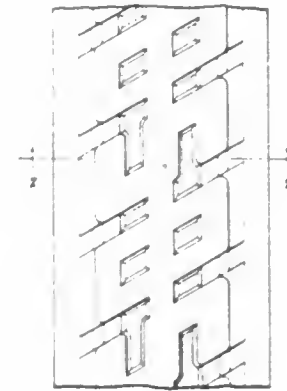
The ornamental design for a signal lamp face plate, as shown.

66,246. INKWELL. PEDRO MORA RICO, Arecibo, Porto Rico. Filed May 18, 1923. Serial No. 6,209. Term of patent 14 years.



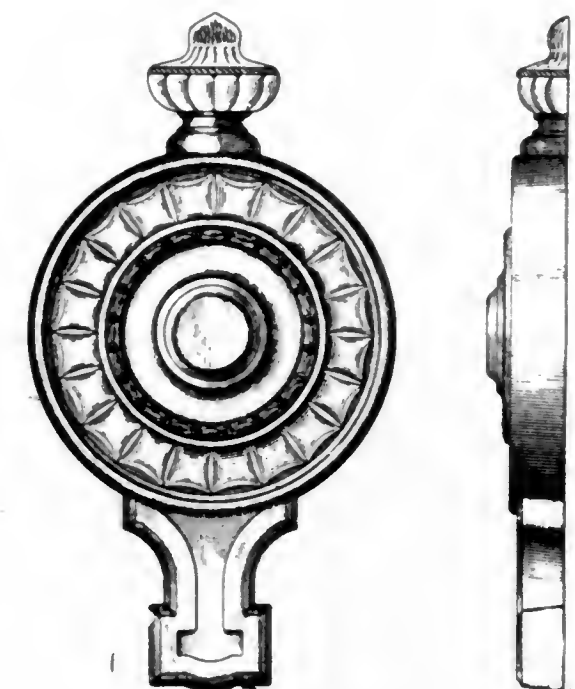
The ornamental design for an inkwell as shown.

66,247. PNEUMATIC TIRE. ADOLF B. SCHLEICHER, Los Angeles, Calif. Filed May 29, 1922. Serial No. 2,467. Term of patent 7 years.



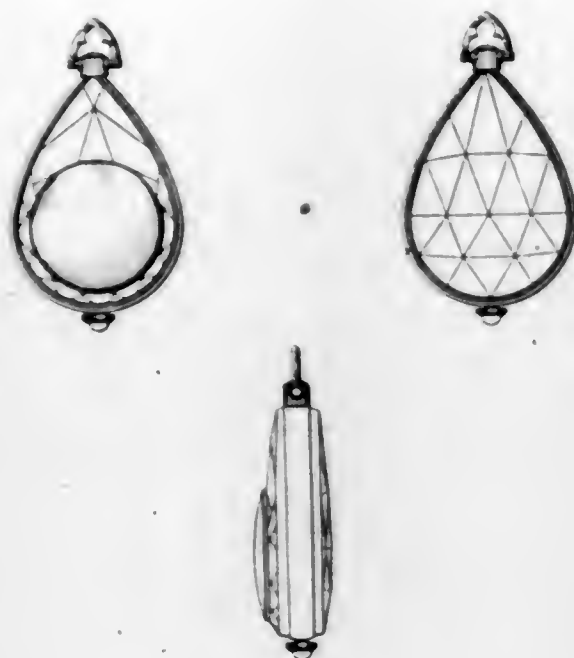
The ornamental design for a pneumatic tire as shown.

66,248. LIGHTING FIXTURE. MORRIS SCHLEPP, New York, N. Y. Filed Oct. 3, 1924. Serial No. 10,962. Term of patent 7 years.



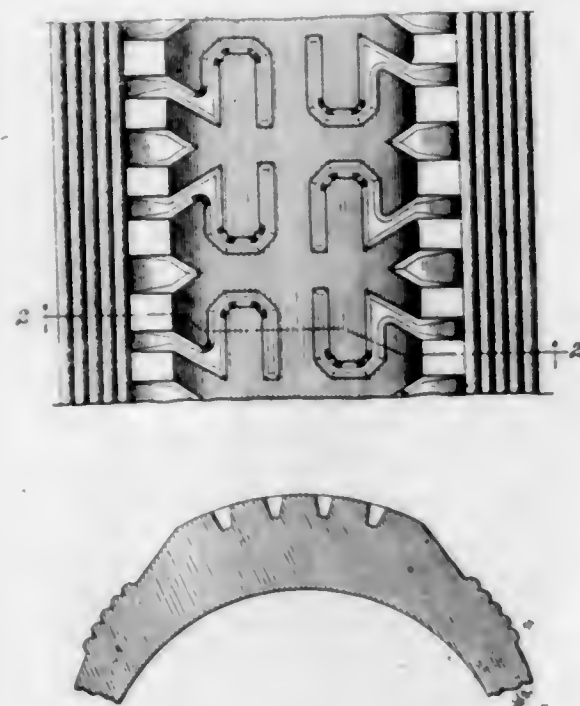
The ornamental design for a lighting fixture as shown.

66,249. WATCH CASING. MARK W. STOLL, Newark, N. J., assignor to Novallis Watch Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 19, 1924. Serial No. 10,834. Term of patent 7 years.



The ornamental design for a watch casing as shown.

66,250. TIRE. JAMES B. TOPHAM, Zellenople, Pa. Filed Oct. 2, 1924. Serial No. 10,951. Term of patent 14 years.



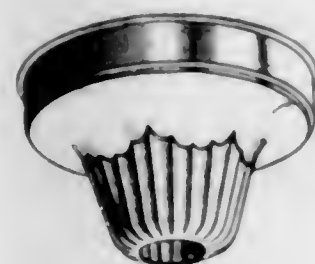
The ornamental design for a tire as shown.

66,251. SHADE HOLDER. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed June 9, 1923. Serial No. 6,452. Term of patent 7 years.



The ornamental design for a shade holder as shown.

66,252. CANOPY FOR LIGHTING FIXTURES. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed June 9, 1923. Serial No. 6,453. Term of patent 7 years.



The ornamental design for a canopy for lighting fixtures as shown.

66,253. STOCKING. JOHN P. NISSEN, Philadelphia, Pa. Filed July 31, 1924. Serial No. 10,334. Term of patent 14 years.

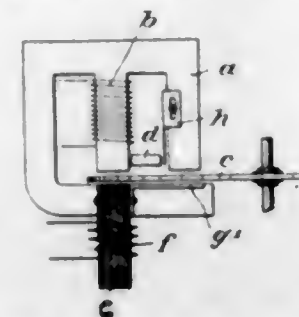


The ornamental design for a stocking, as disclosed.

PATENTS

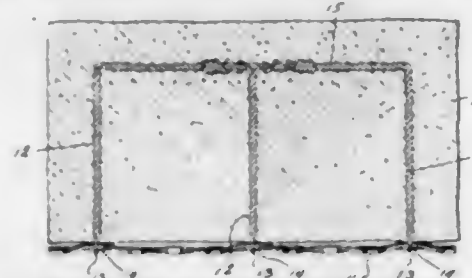
GRANTED DECEMBER 16, 1924.

1,519,098. ALTERNATING-CURRENT METER. LEOPOLD ADERT, Berlin, Germany. Filed Aug. 10, 1920. Serial No. 402,737. 5 Claims. (Cl. 171-264.)



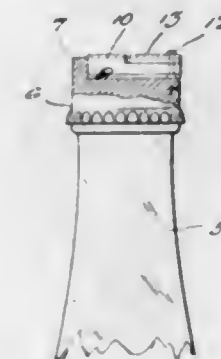
2. An alternating current meter comprising a rotor, a substantially M-shaped pressure magnet with an air gap partly embracing said rotor and means adapted to cooperate with said magnet for creating two pole fields separated from each other and acting on said rotor in opposite senses.

1,519,099. BUILDING BRICK. EMMETT A. ARDELL, Pueblo, Colo. Filed Mar. 13, 1924. Serial No. 699,006. 5 Claims. (Cl. 72-32.)



1. A brick of the character described having a flat face, metallic members initially embedded in the body of the brick against withdrawal and projecting out beyond said face, and metallic lathing secured to the face of the brick by said metallic members, the metallic lathing being spaced slightly from the flat face of the brick.

1,519,100. COMBINED BOTTLE CAP AND OPENER. ALFRED CLAYTON ALLUMS, Hazard, Ky., assignor of one-half to Ralph C. Hellard, Hazard, Ky. Filed Mar. 10, 1924. Serial No. 698,261. 2 Claims. (Cl. 215-46.)



1. In a bottle cap wherein the top wall thereof is of a relatively thick nature and wherein said wall is formed with a cross slot that opens at one end at the periphery of said cap and wherein the thickened wall of

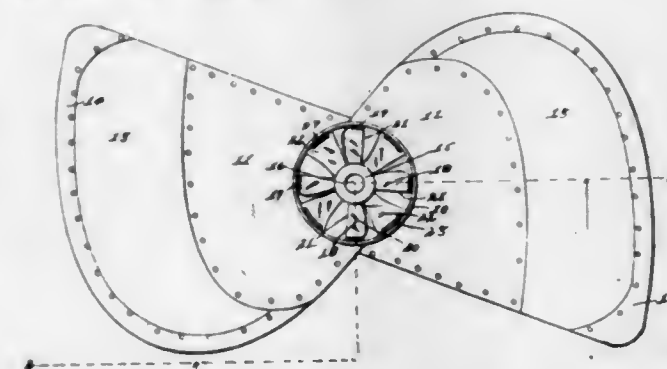
the cap is formed with an inclined notch at the open end of said slot, of means adapted to be slidably disposed within said slot and so formed as to be associated with the notch of the cap when the same is slid outwardly of the cap slot in order to facilitate the removal of the cap from the bottle.

1,519,101. EXCAVATING DEVICE. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1924. Serial No. 686,019. 3 Claims. (Cl. 37-142.)



1. In an excavating device, the combination of a point holder having a tapered socket therein; a point of comparatively hard metal having a tapered shank extending into the socket; and a shim of comparatively soft metal between the wall of the socket and the shank, said shim yielding to complete the fit of the shank in the socket.

1,519,102. PROPELLER. ANTHONY ASSALA, Des Moines, Iowa. Filed Apr. 13, 1923. Serial No. 631,804. 2 Claims. (Cl. 170-166.)

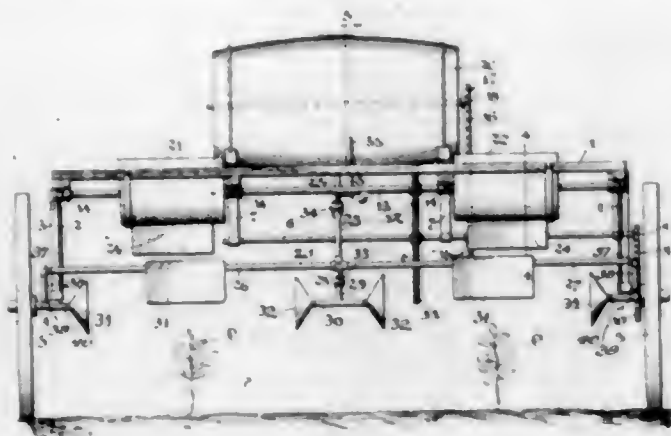


1. In a propeller, the combination of a tubular hub, a shaft supporting means at the center of the hub and a set of propeller blades extending from the shaft supporting means to the interior of the hub, the leading edges of said propeller blades extending in advance of the hub, propeller blades secured to the exterior of the hub, the path of their leading edges being in the rear of the path of the leading edges of the blades in the interior of the hub, for the purposes stated.

1,519,103. SPRAYING MACHINE. JOHN H. J. AYSUE, Mount Pleasant, S. C. Filed May 16, 1923. Serial No. 639,433. 2 Claims. (Cl. 299-39.)

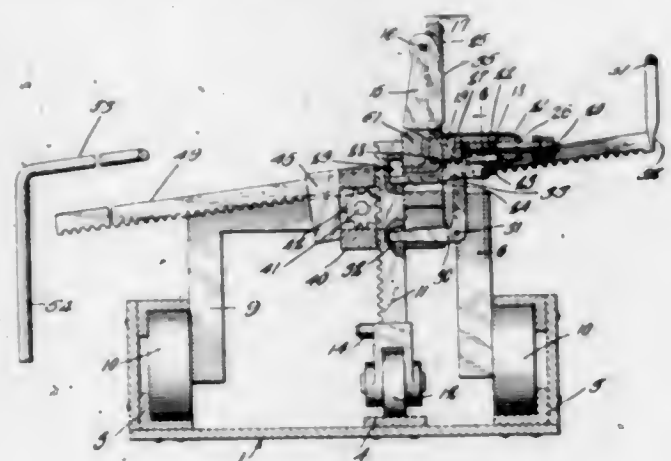
2. A spraying machine comprising a wheeled frame, a liquid supply cask, sets of sprayers comprising horizontally elongated spray heads situated crosswise of the

frame and circular spray heads in opposing pairs for each elongated spray head, piping to both support the various spray heads and conduct the liquid thereto, and



blower means discharging in advance of each set of sprayers to open the enfolding leaves to receive the spray.

1,519,104. ROD CARRIER. CONARD BAKER, Florence, Kans. Filed July 26, 1923. Serial No. 653,964. 6 Claims. (Cl. 214-1.)

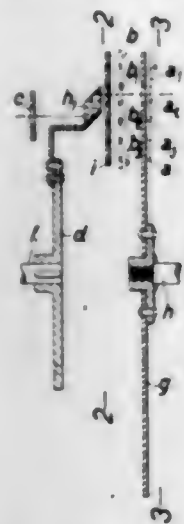


1. In a device of the class described, a track, a carriage movable along the track, a rod support on the carriage, and a rod-holding member movable on the carriage and movable in engagement with the track to and from the rod-holding position with respect to the support, the track embodying means for moving the rod-holding member to and from rod-holding position as the rod-holding member moves along the track.

1,519,105. DEVICE FOR MAKING CINEMATOGRAPHIC EXPOSURES. WALTHER BACERSFELD, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Sept. 21, 1922. Serial No. 589,673. 3 Claims. (Cl. 88-16.4.)

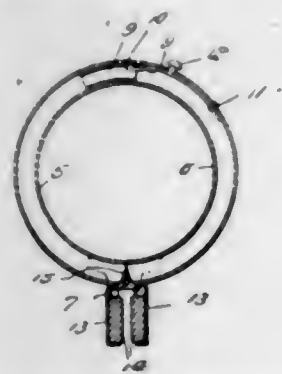
3. In a device for making cinematographic exposures of different colors by means of a continuously moving film a light entrance opening, a plurality of objectives, the axes of which are parallel to each other and which are displaceable perpendicularly to the direction of their axis, a plurality of color filters, optical means adapted to compensate the film motion, a system of optical elements adapted to displace a luminous ray parallel to itself, this system being rotatably disposed in front of the objectives and controlled by the film actuating mechanism in such a way that its axis of rotation is parallel to the optical axes of the objectives, and being adapted to transmit during a passage of its elements through the field of rays several times alternately light in a multiple turn to the objectives from the said light entrance opening, gaps between these elements allowing the light

to pass through whenever the axis of an objective coincides with the middle of the light entrance opening, and a diaphragm device, this diaphragm device and the



color filters being so disposed that each film picture only receives light of the appertaining definite color through the appertaining objective.

1,519,106. DRAPERY-SUPPORTING RING. FRANK J. BECK, Boston, Mass. Filed Sept. 8, 1923. Serial No. 661,579. 1 Claim. (Cl. 156-21.)



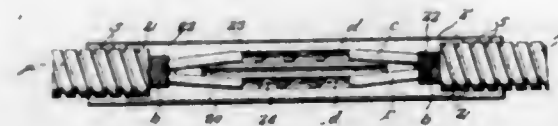
A drapery supporting ring comprising a pair of tubular semi-circular sections provided at one end with radially disposed end edges and provided at their opposite ends with beveled end edges, jaws fixed to the sections at the beveled ends thereof, the intermediate portions of the jaws being disposed transversely of each other and pivoted together, the pivots occurring between the beveled ends of the sections, said jaws having pockets disposed substantially radially with relation to the sections, gripping blocks located in the pockets of the jaws and interengageable catch members located interiorly of the sections at the radially disposed end edges thereof.

1,519,107. COMBINATION WIG AND BANDEAU. ADOLPH BRESLAUER, New York, N. Y. Filed Sept. 12, 1924. Serial No. 737,236. 5 Claims. (Cl. 132-53.)



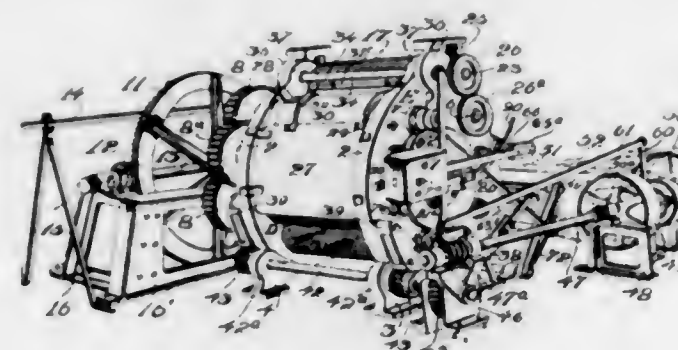
1. A combination wig and bandeau comprising a strip member adapted to be passed around the head of the wearer, connecting members associated with the ends of said strip, and wig portions held in position on said strip.

1,519,108. COUPLING FOR ARMORED CABLES. LLOYD A. BROOKE, Landover, Md. Filed July 5, 1923. Serial No. 649,572. 4 Claims. (Cl. 173-268.)



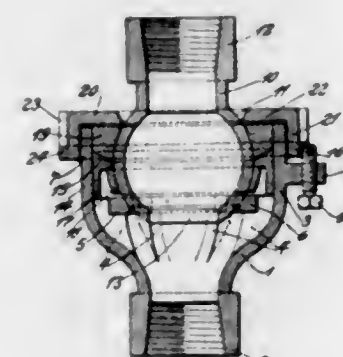
1. A coupling for armored cables comprising longitudinally interlocking mating armor sections having end portions meshing with the cable armor, and complementary insulating blocks fitting within the mating armor sections, said blocks having mating grooves to form wire-receiving conduits and mating tongue and groove connections between said sections.

1,519,109. BALING PRESS. GEORGE R. BROWN, deceased, late of Oklahoma City, Okla., by Walter Brown, temporary administrator, Ashwood, Tex., assignor to Clayton Gin Compress Co., Houston, Tex., a Corporation of Texas. Filed May 4, 1917. Serial No. 166,398. 10 Claims. (Cl. 100-1.)



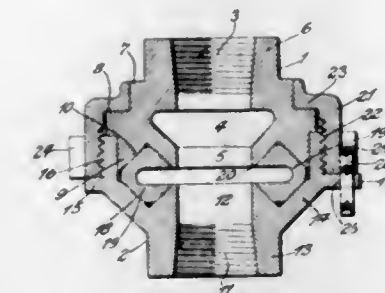
1. In a mechanism of the class described, the combination with a roll support, of the set of rolls arranged in a series around a baling chamber, the rolls gradually increasing in diameter from the initial roll to the terminal roll, and means for rotating the rolls with uniform angular velocity.

1,519,110. FLEXIBLE PIPE JOINT. BARNETT MORSE BROWNELL, St. Louis, Mo., assignor to Diamond Metal Products Co., St. Louis, Mo., a Corporation of Missouri. Filed May 7, 1923. Serial No. 637,101. 6 Claims. (Cl. 285-95.)



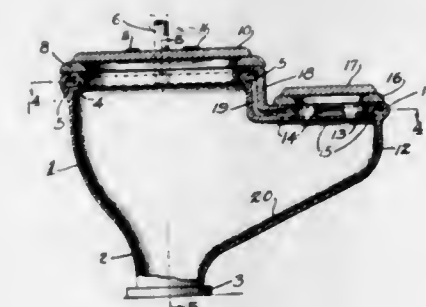
1. A pipe coupling comprising a socket member and a ball member, a support for the ball member spaced from the wall of the socket member, a second support for the ball member, and a gasket between the socket member and the ball member positioned between said two supports.

1,519,111. PIPE COUPLING. BARNETT MORSE BROWNELL, St. Louis, Mo., assignor to Diamond Metal Products Co., St. Louis, Mo., a Corporation of Missouri. Filed June 4, 1923. Serial No. 643,221. 11 Claims. (Cl. 285-120.)



1. In a pipe coupling, the combination of a pair of coupling members mounted for swivel movement in respect of each other, said members having channels in their abutting faces, said channels forming a seat for a gasket, a gasket of expansible material interposed between said coupling members and seated in said channels and having a normal area in excess of the area of the seat when said coupling members are assembled whereby said gasket is compressed within said seat, and a threaded sleeve threaded on to one of said members and engaging the other of said members and holding said members in clamped relationship.

1,519,112. DOUBLE-COMPARTMENT TOILET BOWL OR WATER-CLOSET. BEN E. BURGER, Placerville, Calif. Filed Apr. 23, 1923. Serial No. 634,031. 4 Claims. (Cl. 4-97.)



1. A double compartment toilet bowl, comprising a main bowl, a second but smaller bowl offset from the main bowl and formed by an extension thereof, the top of the smaller bowl being below the plane of the top of the main bowl, and the bottom merging into the bottom of the main bowl, and a substantially continuous water conduit at the top of both bowls, each having discharge orifices, communicating with a source of water supply whereby both bowls are simultaneously flushed.

4. A double compartment toilet bowl comprising a main bowl having an open top and a bottom drain, a marginal flange formed around the top and provided with a continuous channel having spaced orifices in the lower wall thereof and communicating with the interior of the bowl, a smaller bowl formed integrally at one side of and below the top of the main bowl, said smaller bowl draining into the same and having a top marginal flange provided with a channel and outlet orifices, a vertically disposed passage connecting the channels of the two bowls, and a water supply pipe connected to the main channel to cause simultaneous flushing of the bowls.

1,519,113. TRAP. HENRY A. BURKHART, Fitzgerald, Ga. Filed Sept. 29, 1923. Serial No. 665,649. 5 Claims. (Cl. 43-6.)



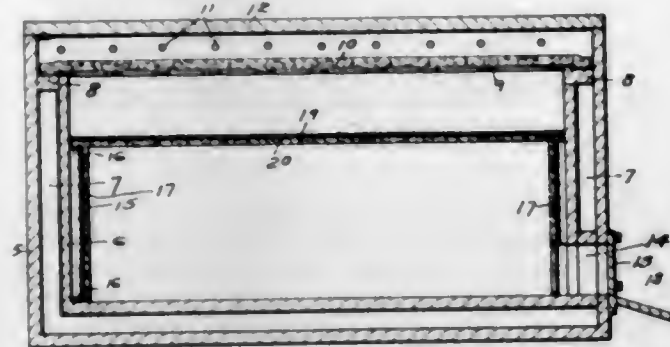
1. In a device of the character described, a tubular body portion, a tubular member slidably mounted within the body portion, stops carried by the tubular member, said tubular body portion having longitudinally disposed slots to receive the stops, gibs having right angled end portions, said right angled end portions adapted to be secured to the slidable tubular member at points adjacent to the stops, spring arms carried by the sliding tubular member, means to engage the arms for holding the slidable member in a set position, and means adapted to contact with the spring arms to release the arms and sliding tubular member.

1,519,114. CLAMPING DEVICE. WILLIAM T. BURMEISTER, Lakewood, Ohio. Filed Aug. 3, 1923. Serial No. 655,425. 3 Claims. (Cl. 24-133.)



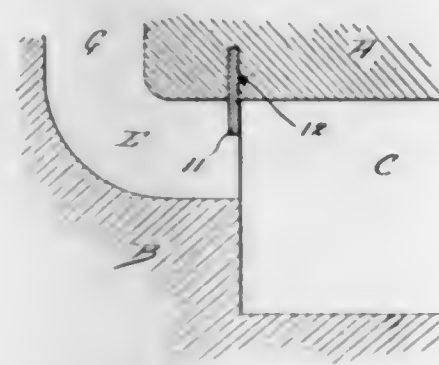
1. Securing means for a cable comprising: a base adapted to be secured to a support and provided on each side of its center line with a slotted bearing opening substantially directly in the plane of said base to permit removal of a trunnion therefrom by a single substantially direct movement substantially parallel to said plane, and a clamping member arranged to lie in propinquity to said base with said cable passing over one end of said clamping member and then extending longitudinally of said clamping member between said clamping member and said base, said clamping member carrying on each side of its center line and intermediate its ends a trunnion arranged to cooperate with the corresponding bearing carried by said base and withdrawable through the slot in said bearing to render said clamping member quickly detachable from said base.

1,519,115. CHICKEN HOVER. CHARLES WATTS CAROL, Globe, Ariz. Filed Aug. 28, 1924. Serial No. 734,654. 6 Claims. (Cl. 119-33.)



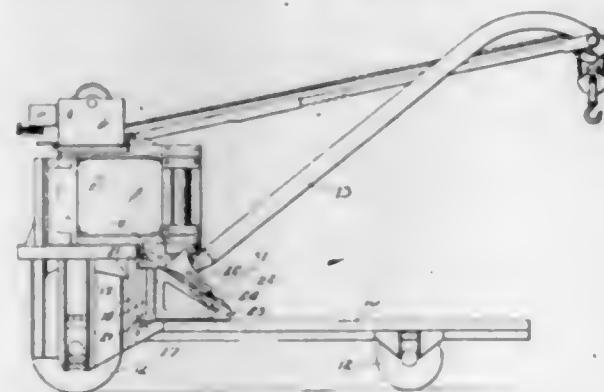
2. In a chicken hover, a compartment for the reception of the chicks to be hovered, a sheep skin having a plurality of openings formed through the skin proper with the wool side of the skin disposed toward said compartment and means for supporting said skin in spaced relation to the wall of said compartment.

1,519,116. MOLD. MONROE S. CLAWSON, Upper Montclair, N. J. Filed Mar. 14, 1923. Serial No. 625,148. 6 Claims. (Cl. 22-134.)



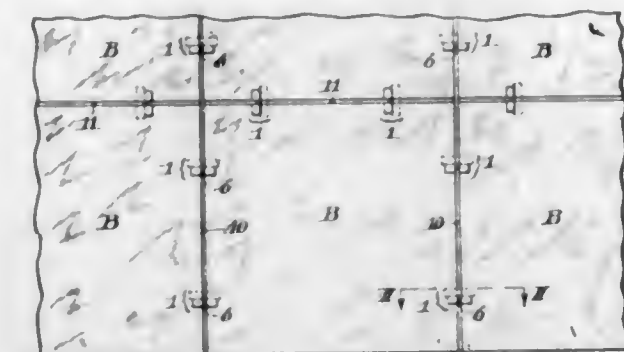
1. In a mold, a projection extending downwardly from the top of the runner at a point in advance of the mold cavity.

1,519,117. CRANE-TRUCK OUTRIGGER. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 14, 1922. Serial No. 588,283. 10 Claims. (Cl. 212-145.)



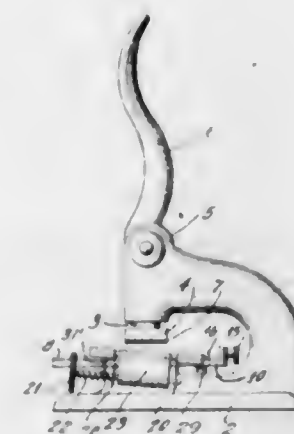
1. In a truck having supporting wheels, the combination with a platform, of a member carried thereby and adapted to be swung outwardly over the edge of the platform about a substantially vertical axis, and a jack pivotally mounted on said member, and adapted to be swung upwardly and supported on the member.

1,519,118. DEVICE FOR SECURING WALL BOARDS AND THE LIKE. EDWARD W. DANIEL, Asbury Park, N. J. Filed Feb. 26, 1923. Serial No. 621,192. 9 Claims. (Cl. 72-118.)



2. A securing device of the character described comprising a channel section body portion for embracing a skeleton supporting structure, and opposed stepped wings integral with the channel section legs for engaging the edges of sheet material to secure the same to the supporting structure.

1,519,119. ADDRESSING MACHINE. ALFRED DE MEUBISSE, Brooklyn, N. Y. Filed Sept. 29, 1923. Serial No. 665,542. 6 Claims. (Cl. 101-57.)

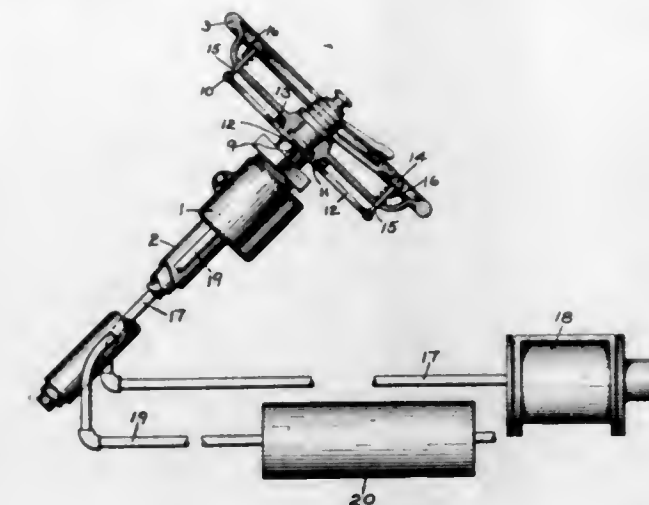


1. A machine of the character described embodying a stationary bed, an impression member mounted to reciprocate toward and away from the face of the bed, a ribbon carrier pivoted with respect to the bed, means mounted on the carrier for shifting a ribbon across the bed and beneath the impression member, a flat form adapted to be positioned face up on the bed to be supported thereby beneath the ribbon carrier, and means for guiding the article to be printed on into proper position beneath the impression member and above the ribbon whereby the operation of the impression member will force said article against the ribbon and force the ribbon against the form to effect the impression.

1,519,120. BRAKE CONTROL FOR MOTOR VEHICLES. SIDNEY G. DOWNS, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 20, 1921. Serial No. 462,809. 2 Claims. (Cl. 303-50.)

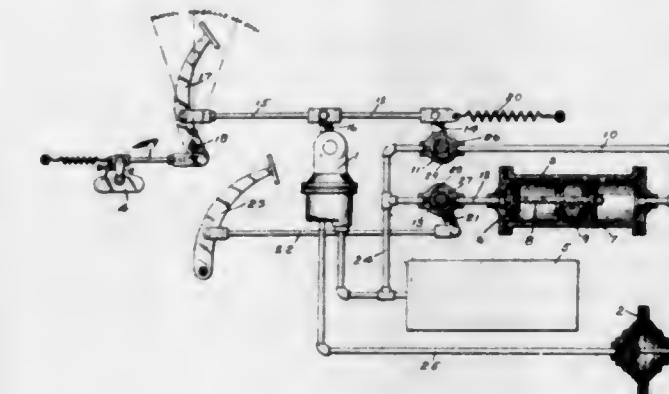
1. The combination with a vehicle steering wheel, of a brake mechanism for controlling the application and

release of the brakes on the vehicle and an annular member associated with said wheel for operating said



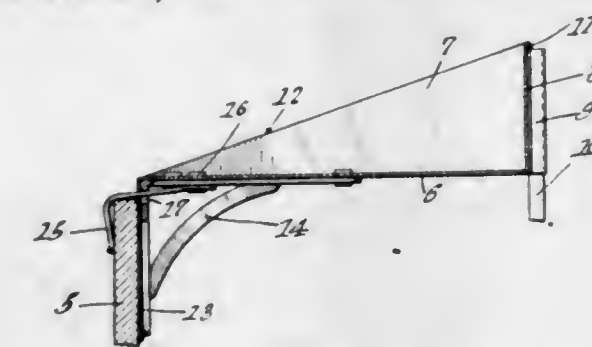
mechanism to apply the brakes upon depressing one portion and to release the brakes upon depressing another portion of said member.

1,519,121. MOTOR VEHICLE CONTROL DEVICE. SIDNEY G. DOWNS and HENRY D. HUKILL, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 14, 1924. Serial No. 699,376. 3 Claims. (Cl. 303-6.)



1. In a motor vehicle controlling mechanism, the combination with a fluid pressure brake controlling valve device and a fluid pressure door engine, of a valve having one position for supplying fluid to the door closing side of said engine and another position for venting fluid therefrom, and a foot operated lever for operating said brake controlling valve device and said door controlling valve.

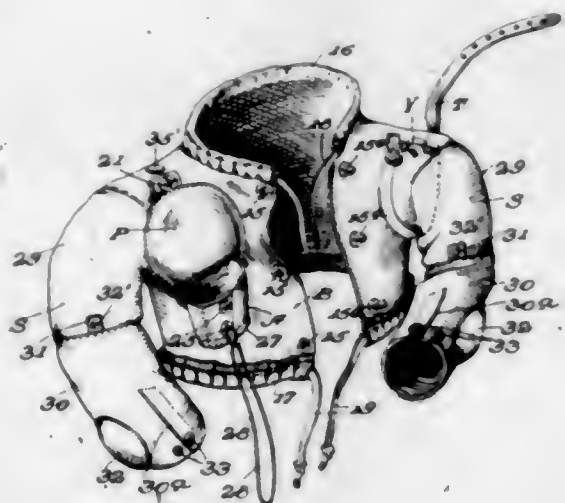
1,519,122. RACK. JAMES D. EATON, Medford, Oreg. Filed Nov. 5, 1923. Serial No. 672,869. 1 Claim. (Cl. 248-20.)



In a device of the character described, a tray including a bottom, one end of the bottom being bent downwardly, said downwardly bent portion being provided with a pair of relatively large openings, clamping mem-

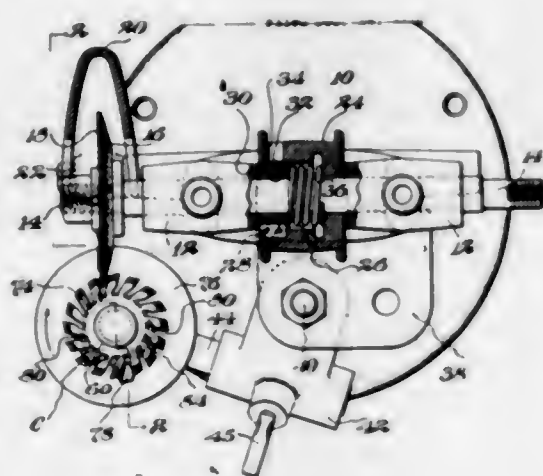
bers extending through the openings and secured to the bottom member, said clamping members adapted to move vertically in the openings to adjust themselves for attachment to supports of various thicknesses for supporting the tray against movement.

1,519,123. SHOOTING JACKET. ARTHUR MORRIS EDWARDS, Kankakee, Ill. Filed Apr. 7, 1922. Serial No. 550,383. 5 Claims. (Cl. 2—94.)



5. A shooting jacket comprising a body portion and sleeve portions, a pad on the front of said body portion, a gun stock receiving sleeve attached to said pad, and cooperating means carried by the body portion and said sleeve respectively for holding said sleeve in horizontal position with the butt of the gun stock against said pad.

1,519,124. GRINDING APPARATUS. FREDERICK M. FURNER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 14, 1918. Serial No. 266,771. 23 Claims. (Cl. 51—225.)



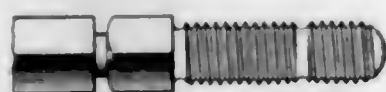
1. In a grinding apparatus, a grinding wheel, a guiding member, and a cutter-supporting member movable thereover adjacent to the grinding wheel, the members being provided with a co-operating slot and projection one of which extends in the direction of movement, the extended element having a portion parallel to the direction of movement to guide a cutter carried by the supporting member in a constant relation to and in contact with the grinding surface and a portion to guide the cutter clear of the grinding surface.

1,519,125. METHOD OF MAKING LOCK NUTS. JOHN GUY FURLAN, New York, N. Y., assignor to Furlan Nut Machinery Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 2, 1923. Serial No. 629,442. 6 Claims. (Cl. 10—86.)



4. The methods of producing a lock nut comprising the steps of forming the thread and cutting a circumferential groove with inclined side walls with a group of threads on each side of the groove and subsequently applying a spreading tool inwardly against the inclined wall to effect a displacement parallel to the axis.

1,519,126. METHOD OF MAKING LOCK SCREWS. JOHN GUY FURLAN, New York, N. Y., assignor to Furlan Nut Machinery Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1923. Serial No. 632,705. 5 Claims. (Cl. 10—10.)



3. A method of making lock screws comprising the steps of cutting a thread and forming a circumferential groove in the thread portion and then expanding the screw axially by compressing the metal at the base of the groove with a cold rolling operation to set the threads on one side of the groove out of helical alignment with the threads on the other side of the groove.

1,519,127. SOLDERING IRON. JAMES GAFFNEY, Joliet, Ill. Filed Nov. 28, 1923. Serial No. 677,448. 2 Claims. (Cl. 113—109.)

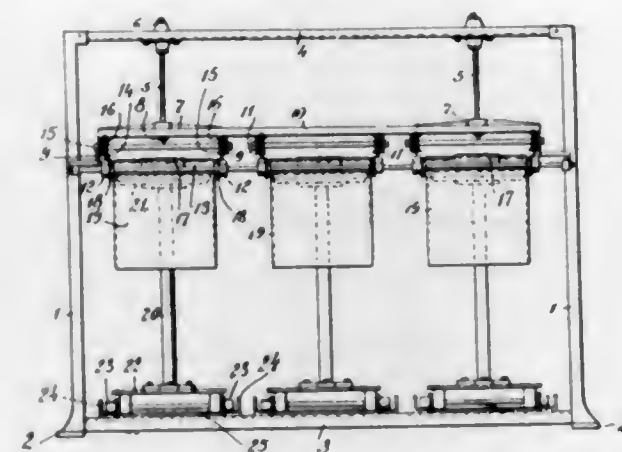


1. A device of the class described, comprising a soldering iron including a handle and a head, said head being provided with a downwardly inclined passageway opening through the lower side thereof, said passageway being enlarged at its upper end to provide a pocket, and means mounted on the handle at the inner end of said head for holding a stick of solder in an inclined position, said means including a release device to permit the solder to feed by gravity into said pocket as it is melted.

1,519,128. FLUX FOR MAGNESIUM AND ALLOYS THEREOF. JOHN A. GANN, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed July 9, 1923. Serial No. 650,521. 6 Claims. (Cl. 148—24.)

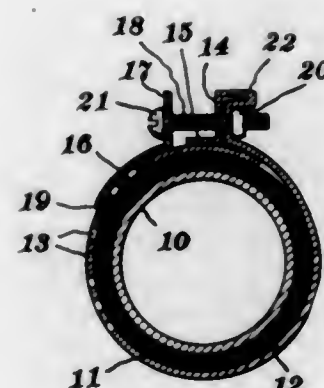
1. A flux for use with molten magnesium and alloys thereof, wherein magnesium largely predominates, such flux consisting of a mixture of magnesium chloride, an alkali metal chloride and calcium chloride.

1,519,129. FLAP SEALER FOR CARTONS. TREVOR R. GAUTIER, Yonkers, N. Y. Filed Dec. 10, 1921. Serial No. 521,325. 9 Claims. (Cl. 93—36.)



1. In a machine for sealing the flaps of unfilled cartons, the combination of a pressing member and means for simultaneously relieving pressure on one carton and applying it to another, said means comprising individual carton supporting members adapted to be successively brought to rest under said presser element.

1,519,130. HOSE CLAMP. ALEXIS F. GILLET, Omaha, Nebr., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Filed Dec. 4, 1922. Serial No. 604,738. 1 Claim. (Cl. 24—19.)

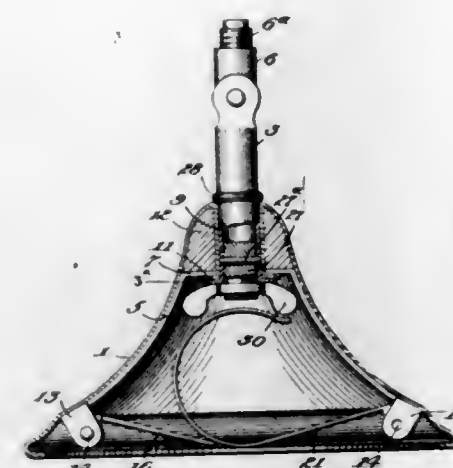


A hose clamp comprising a thin flat metallic band having overlapped ends, a doubled thickness lug extending outwardly from one end of the band and having an angular head at its outer side and a footpiece at its inner side, a clamp having a book to adjustably engage the end of the band opposite to that carrying said lug, said clamp having a second lug, a bolt extending through the lugs, and a nut on the bolt held against movement by said head.

1,519,131. PORTABLE LAMP. HUBERT M. GREIST, WALTER C. GREIST, and WILMAR F. LENT, New Haven, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Feb. 1, 1921. Serial No. 441,529. 13 Claims. (Cl. 240—53.)

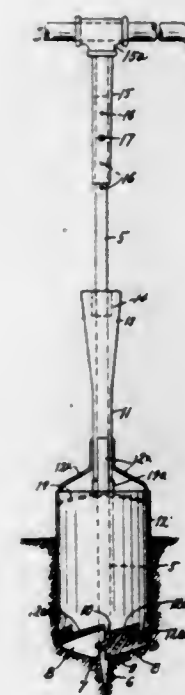
1. In a portable lamp, the combination of a hollow base, a strip of sheet material secured within the base

and a lamp supporting device comprising a hook hinged to one end of said strip and arranged to be swung out-



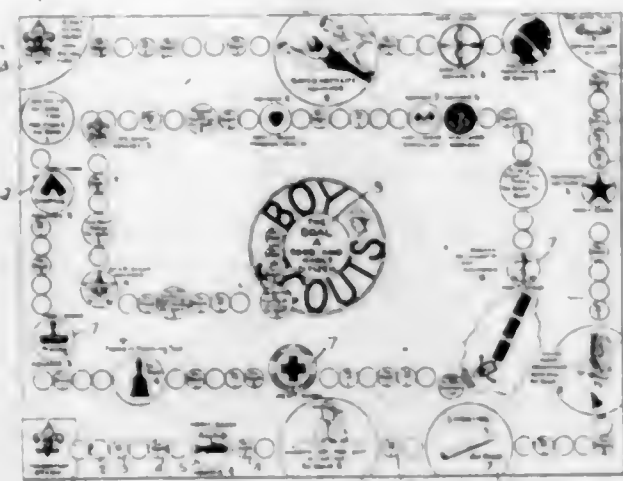
wardly laterally relative to the axis of the lamp stem, and beyond a side edge of the base in said direction for supporting the lamp, or to fold completely within the base.

1,519,132. AUGER FOR POSTHOLES AND WELLS. HENRY GROTHE, Le Sueur Center, and MARTIN MARTY, St. Paul, Minn. Filed Dec. 4, 1923. Serial No. 678,396. 2 Claims. (Cl. 235—68.)



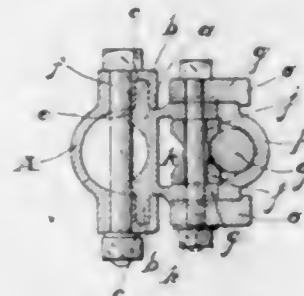
1. An auger of the class described comprising an operating rod with means at its upper end for rotating it, the lower end forming a sharp point and near above said point spiral shaped digger blades, a disc fixed on the rod some distance above the digger blades, a hollow cylinder arranged to receive the disc and pass downward almost to the digger blades, said cylinder having secured to its upper end a sleeve slidable but not rotatable on the rod and the lower end of the cylinder having teeth adapted to cut the way for the cylinder as the device works downward in the ground, said operating rod being formed of several sections pivoted together and having a slidable sleeve adapted to cover each joint to hold it stiff when so desired, and means for holding said sleeve in position about the joint.

1,519,133. EDUCATIONAL GAME WITH PARTICULAR RESPECT TO THE ORGANIZATION OF BOY SCOUTS OF AMERICA. ROBERT G. HALL, Swampscott, Mass. Filed Apr. 9, 1923. Serial No. 630,719. 11 Claims. (Cl. 273-134.)



1. An educational game comprising a game board having a predetermined path, for pieces movable by the respective players, leading from a starting point to a goal of designated high attainment, said path being provided with steps certain of which represent hazards of success or failure with associated indicia directing respectively an immediate predetermined advancement, arrest or predetermined setback and including stations bearing insignia representing attainments of merit accompanied by indicia of award and directing further predetermined advancement along the path.

1,519,134. HAMMER-TYPE CHANNELING MACHINE. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 26, 1922. Serial No. 577,685. 2 Claims. (Cl. 262-16.)

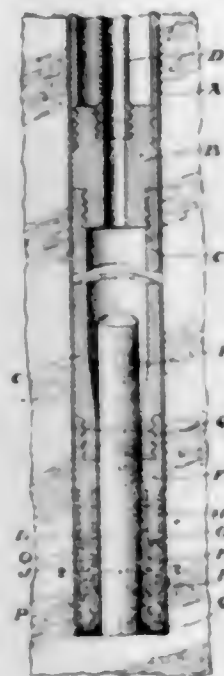


1. In a fluid actuated percussive machine, having a cylinder and reciprocating piston, the combination of a shell in which the cylinder is mounted for longitudinal movement, and a centralizer for guiding the shank of the drill steel slidably mounted on the forward end of the shell, said centralizer having a transversely located groove, guiding roller mounted thereon, and clamps pivoted about the axis of the roller cooperating with the roller to guide the steel.

1,519,135. COMPOSITE BIT. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 8, 1923. Serial No. 623,587. 1 Claim. (Cl. 255-72.)

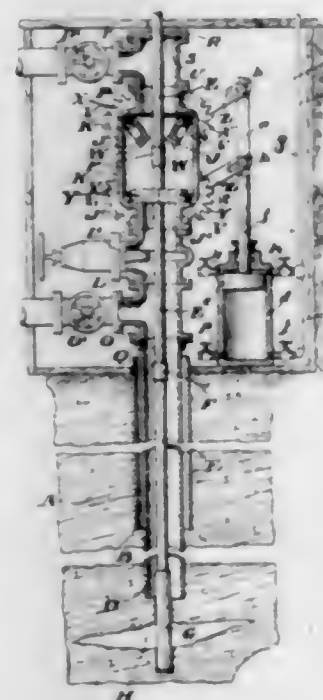
1. In a core drill, the combination of a core barrel and a cutter bit detachably secured to said core barrel, said cutter bit comprising a hollow cylindrical body portion internally threaded for attachment to the core barrel and having a depending annular cylindrical portion, inner and outer cylinders substantially flush with the inner and outer surfaces of said body portion and

riveted to said dispersing portion and a mass of abrasive and cementitious material between said cylinders, said cylinders having openings extending therethrough for



anchoring said mass of abrasive and cementitious material, said cylinders and said mass of material together constituting a replaceable cutting element for said core drill.

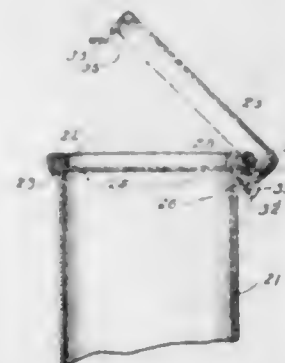
1,519,136. DRILL-ROD PACKING. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 14, 1923. Serial No. 662,747. 2 Claims. (Cl. 166-15.)



1. A packing device for drill rods, comprising a well casing and a drill rod adapted to operate therein, said drill rod being composed of a plurality of separate sections with joints between the sections of larger diameter, two pairs of oppositely acting packing members having grooves adapted to embrace the drill rod to substantially seal the well casing, and means for normally maintaining either one of said pairs of packing members in engagement with the drill rod while the other pair is out of engagement therewith, said pairs of packing members being adapted to open in opposite directions to permit

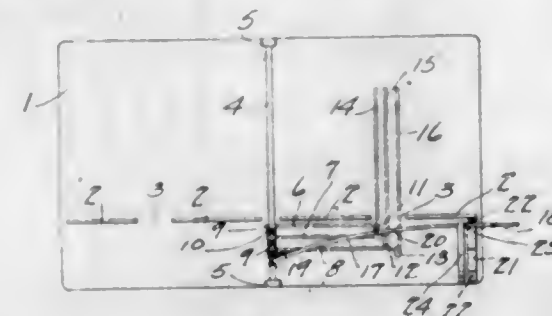
passage of the portions of the drill rod of larger diameter in either direction and to automatically return to normal position after a portion of larger diameter has passed either in one direction or the other.

1,519,137. TOBACCO BOX. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 9, 1924. Serial No. 685,080. 4 Claims. (Cl. 220-27.)



1. A container for tobacco or the like, comprising a body, an hermetic closure seamed thereto, a hinge cover, and a hinge part projecting from the seam joining the hermetic closure and body and adapted to engage a hinge part on said cover.

1,519,138. MUSIC-LEAF TURNER. CHARLES JENNER, Corvallis, Oreg. Filed Apr. 2, 1924. Serial No. 703,582. 1 Claim. (Cl. 84-498.)

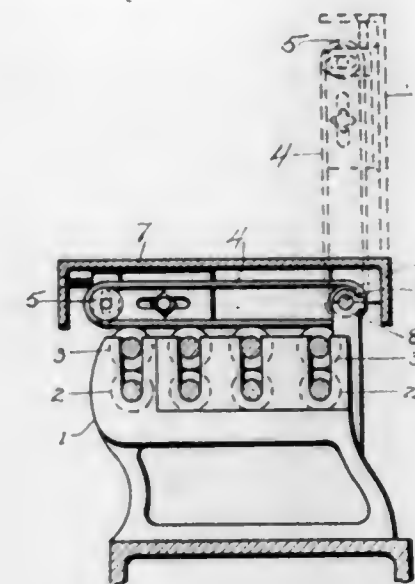


A music leaf turner of the kind described, comprising a back frame; spaced music sheet rests mounted upon the back frame in horizontal alignment; a central rod vertically mounted upon the back frame and spaced slightly away therefrom; a number of angular leaf-turning fingers preferably constructed of single pieces of wire having their lower stems spring set to the central rod, one above the other, their upper stems disposed vertically side by side, and adapted to normally turn from right to left, said fingers being provided with downwardly bent knuckles at the junctures of their upper and lower stems, which knuckles fall successively one below the other in stepped relation; a spring set release rod pivoted to the central rod and extended laterally to cover the said knuckles of the said fingers and having a thumb piece on its outer end; a rack mounted upon the lower right corner of the frame to engage the release rod, and lock same in successive positions; and a release rod stop to hold the release rod in free engagement with the said rack.

1,519,139. TOP-ROLL CLEARER. ERNEST C. KEYES, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Apr. 12, 1924. Serial No. 706,033. 3 Claims. (Cl. 19-139.)

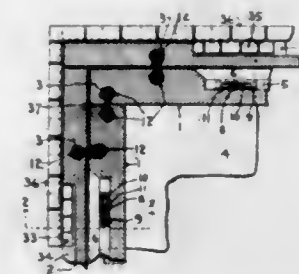
3. In a machine of the character described, the combination of a plurality of travelling endless band top

roll clearers, a shaft for simultaneously imparting motion to the clearers comprising individual sections for each clearer, male and female joints for each section of the



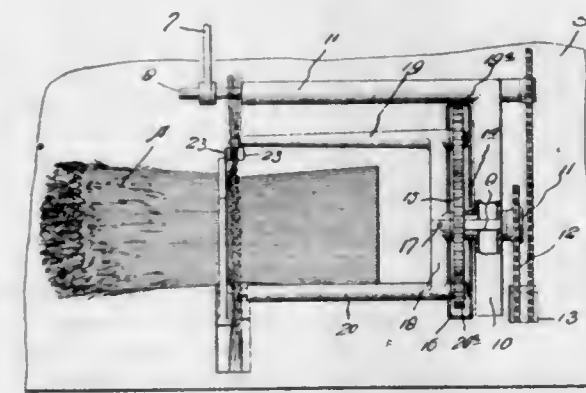
shaft, bearings supporting the shaft at the joints of the sections, and means for maintaining the shaft in its bearings.

1,519,140. BUILDING CONSTRUCTION. HERBERT M. KNIGHT, Montclair, N. J. Filed Aug. 10, 1921. Serial No. 491,228. 31 Claims. (Cl. 72-1.)



1. In a building, pre-cast outer wall units, pre-cast inner wall units, thickened peripheral edges to said units, re-entrant grooves in said thickened edges, said grooves in the juxtaposed faces of adjacent units being in alignment and keys in said aligned grooves.

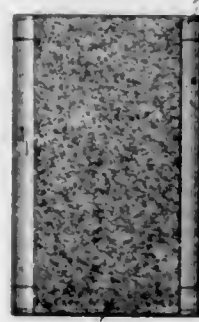
1,519,141. STRAW-BINDING MACHINE. JOHN B. KRAUSE, Hillsboro, Kans. Filed Dec. 21, 1923. Serial No. 682,042. 4 Claims. (Cl. 56-460.)



1. In a bundle binding mechanism of the class described, a bundle compressor, a pair of inter-joined members movable around said bundle, means carried by one of said members for reversely bending the stub ends of

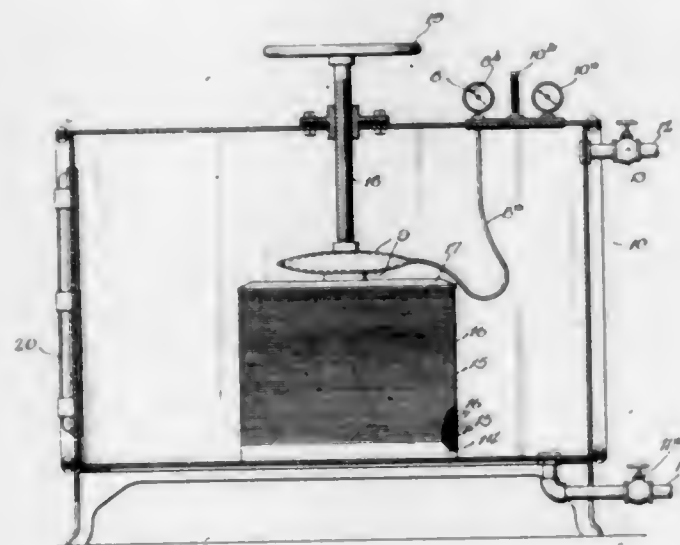
the outside strands of the bundle, and means carried by the other of said members for inter-twisting said reversely bent strands and wrapping the same around the bundle.

1,519,142. SECURING MEANS FOR POCKET CASES AND THE LIKE. HARRY W. LAKIN, Quincy, Mass., assignor to The Wilson Manufacturing Co., Inc., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1924. Serial No. 705,754. 1 Claim. (Cl. 24-3.)



A pocket case with a cover having thereon a piece of dog fish or shark skin with minute pointed papillae to engage the pocket material.

1,519,143. PROCESS OF AND APPARATUS FOR COLORING FABRIC. HERBERT W. LAMB, Lagrange, Ind., assignor to Frank E. Rozelle, Lagrange, Ind. Filed Sept. 7, 1922. Serial No. 586,566. 13 Claims. (Cl. 8-5.)

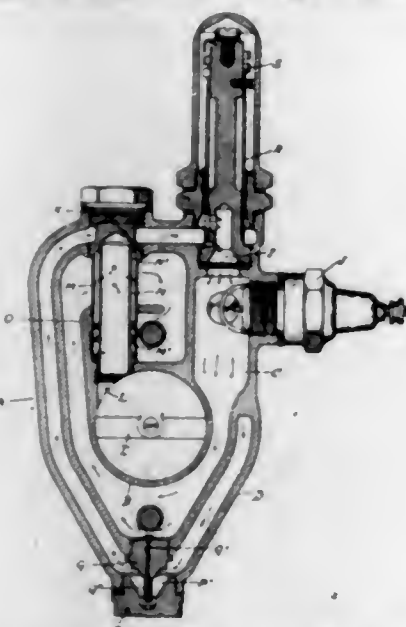


5. The process of coloring fabrics or the like, which consists in applying unheated coloring matter thereto, placing said colored fabric in a heater between layers of moistened porous materials, and thereafter subjecting said fabric and porous materials to heat and gradually increasing pressure.

1,519,144. FUELIZER. JOHN G. LANNING, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 15, 1921. Serial No. 437,540. 7 Claims. (Cl. 123-122.)

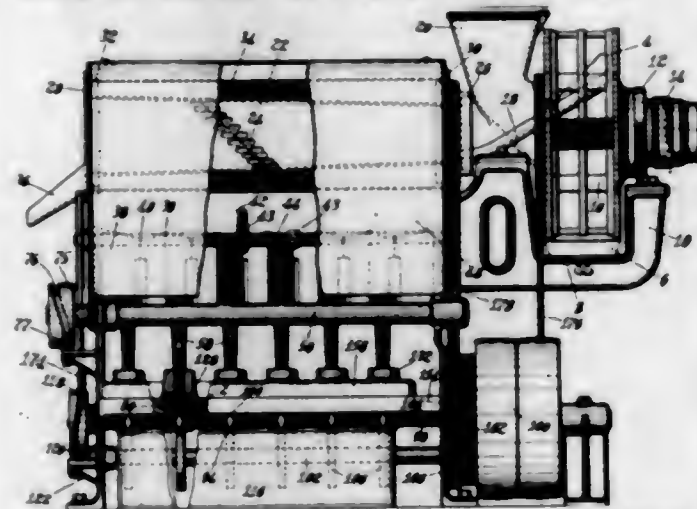
1. In a fuelizer, the combination with a casing having a conduit section therethrough forming a portion of the engine intake, and a surrounding chamber constituting a combustion chamber, of means for preventing passage of flame from said combustion chamber into said

intake comprising concentric inner and outer tubes having perforations therein out of registration with each



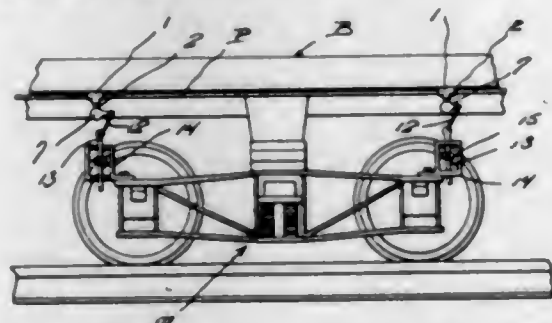
other, the outer tube forming a shield for the inner tube, and means for conducting away the heat from the inner tube.

1,519,145. MACHINE FOR RECLAIMING FASTENINGS. ROBERT H. LAWSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 16, 1918. Serial No. 250,154. 57 Claims. (Cl. 153-32.)



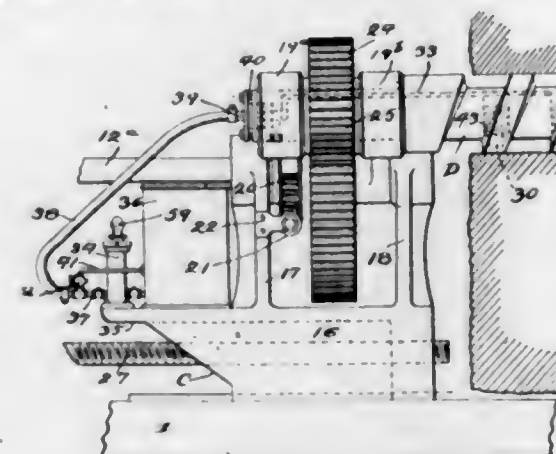
1. In a machine of the class described, a source of fastening supply, means for separating the fastenings from foreign material, a plurality of independent means for straightening the shanks of the fastenings, and means for distributing the fastenings from said source of fastening supply to said straightening means.

1,519,146. SAFETY VALVE. THOMAS LEAHY, North Kingsville, Ohio. Filed Aug. 12, 1924. Serial No. 731,576. 3 Claims. (Cl. 246-170.)



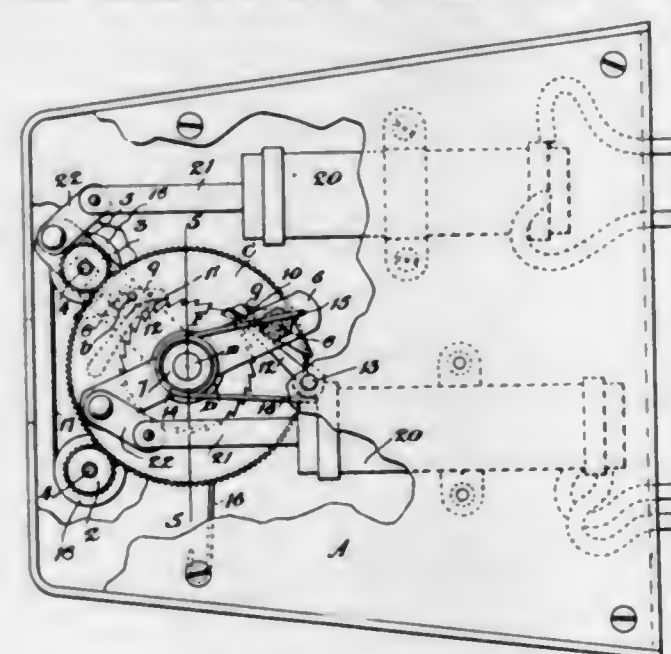
1. In a safety device of the class described, a valve composed of relatively rotatable and disconnectible parts, one of said parts being provided with a lever, a chain connected to said lever, a pin connected to said chain, an attaching bracket with which said pin is slidably connected.

1,519,147. MINING AND LOADING MACHINE. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a Corporation of Ohio. Original application filed Oct. 22, 1910. Serial No. 588,471. Divided and this application filed Aug. 1, 1919. Serial No. 314,740. Renewed May 15, 1924. 3 Claims. (Cl. 202-8.)



1. The combination of the movable main frame, the means thereon and moving therewith for supplying fluid under pressure, the cutter support carried by said frame and having a duct communicating with the pressure fluid supply, the relatively movable breaking devices on said support actuated by the pressure of the fluid in said duct, and the cutters on said support arranged to form an incision or opening through which the support can travel and which will permit the breaking devices to be normally positioned within the outlines of the path formed by the cutters, when travelling.

1,519,148. STREET OR STATION INDICATOR. JOHN MCCALL, Toronto, Ontario, Canada. Filed July 12, 1924. Serial No. 725,541. 2 Claims. (Cl. 40-55.)



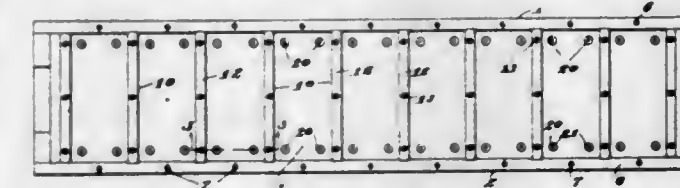
1. In a device of the class described in combination a supported bearing member; a toothed wheel mounted to freely rotate thereon in either direction; a ratchet wheel located at each side of said toothed wheel and associated therewith to move same alternately in opposite directions; a spring-provided first lever pivoted at its inner end on said bearing member and adjacent the outer side of its associated ratchet wheel; a second spring-provided lever mounted on said bearing member and adjacent the outer side of its associated ratchet wheel, and extending well beyond each side of said wheel, a spring-held dog associated with each of the said levers; a guard interposed between each of the said dogs and their associated ratchet wheels to normally keep said dogs out of engagement with said ratchet

wheels; a pair of pinions constantly in mesh with said toothed wheel; a shaft for each of the said pinions; a band or apron associated with each of the said shafts and provided with the names of the streets or stations, and means to alternately actuate said spring-provided levers so that when either of the same is moved to move its associated dog out of engagement each with its associated guard, the said dog will co-act with its associated ratchet wheel and turn said toothed wheel and said pinions in engagement therewith to move said band or apron, for the purpose specified.

1,519,149. METHOD OF PREVENTING THE FORMATION OF WHITE DEPOSITS ON COMMODITIES CANNED IN VACUO. FRANCIS PATRIDGE MCCOLL, Ridgewood, N. J., and WALTER WILLIAM WILLISON, Brooklyn, N. Y., assignors, by mesne assignments, to Thermokept Corporation, a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,712. 8 Claims. (Cl. 99-8.)

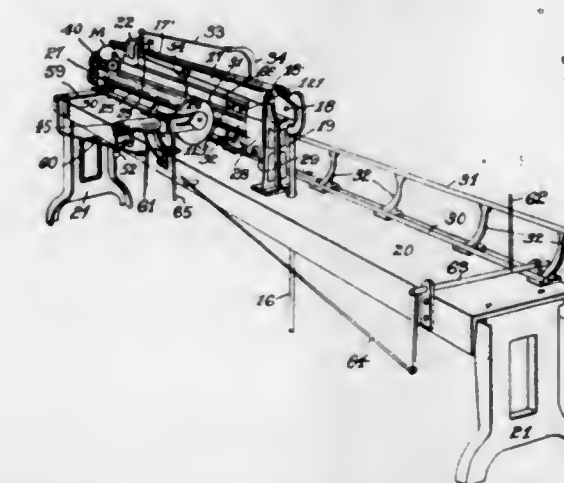
8. The method of preventing the formation of a white deposit or bloom on goods canned in a vacuum, which comprises providing within said can a source of aqueous vapor, which vapor has previously been deprived of free and occluded oxygen.

1,519,150. BRICK MOLD. GEORGE B. MENTZ, Wallkill, N. Y. Filed Jan. 26, 1923. Serial No. 614,999. 1 Claim. (Cl. 25-119.)



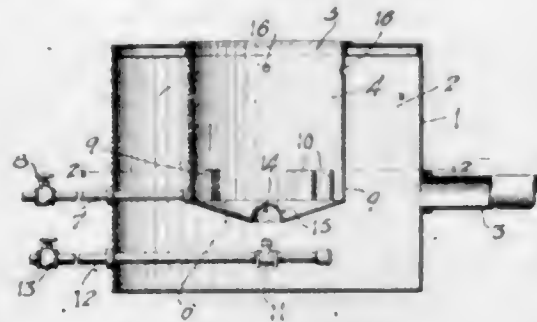
A brick mold of the kind described including, in combination, a base, sides attached thereto, a plurality of relatively thin partitions mortised into both the base and sides whereby the partitions are maintained against side distortion due to pressure, a plurality of outlet openings arranged in balanced relation to the space defined in the base by the sides and partitions, and threaded metallic caps protecting said outlet openings.

1,519,151. WEIGHING MECHANISM. HERBERT L. MERRICK, Passaic, N. J. Filed Jan. 21, 1921. Serial No. 438,821. 42 Claims. (Cl. 265-7.)



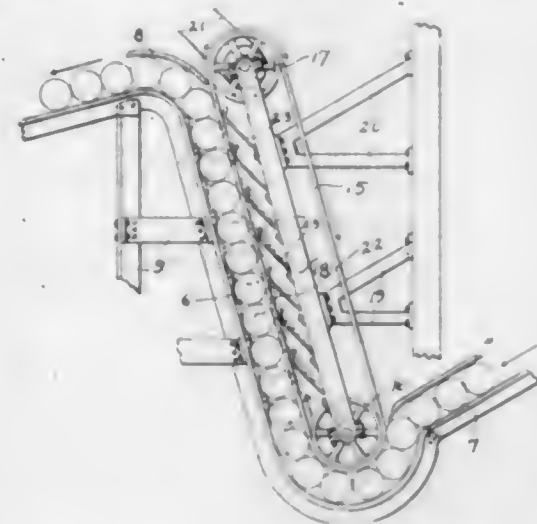
1. In weighing mechanism, a pivotally supported scale-beam; a counterpoise movable along the beam; and mechanical means automatically operable when the beam is moved out of equilibrium to adjust the counterpoise to bring the beam into equilibrium, said movement of the counterpoise being at a varying velocity depending on the amount of deflection of the beam.

1,519,152. LIQUID-FUEL BURNER. GEORGE H. MESSER, Newark, N. J. Filed Oct. 24, 1923. Serial No. 670,419. 6 Claims. (Cl. 158—28.)



6. A liquid fuel burner, comprising a chamber to receive compressed air, a combustion chamber arranged within said air chamber open at its outer end and formed in its walls with a plurality of openings spaced in the same plane to admit currents of air from said air chamber in paths having chordal relations to said combustion chamber, a burner plate at the inner end of said combustion chamber at the side of said openings opposite said open end, and means for supplying liquid fuel to said burner plate in the form of a film, whereby the air in said air chamber is pre-heated by contact with the walls of said combustion chamber and enters said combustion chamber in the form of a sheet between said burner plate and said open end producing a pressure in said chamber and causing thorough vaporization of the fuel and mixture of the fuel vapors with said air.

1,519,153. APPARATUS FOR SHAKING CANS. WILLIAM E. MITTON, New London, Wis., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,808. 8 Claims. (Cl. 259—59.)

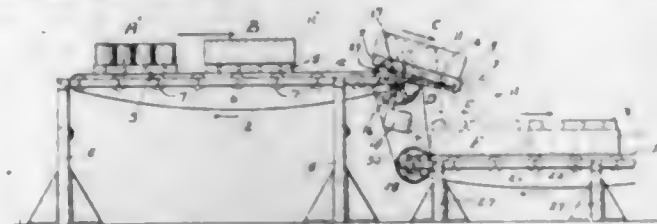


1. A can shaking apparatus comprising a series of projections forming a series of depressions, and means for causing the cans to ride over the projections and drop into the depressions successively, the projections being of such construction that the ends of the cans are advanced alternately.

1,519,154. APPARATUS FOR INVERTING TRAYS AND THE LIKE. WILLIAM E. MITTON, New London, Wis., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,809. 7 Claims. (Cl. 226—14.)

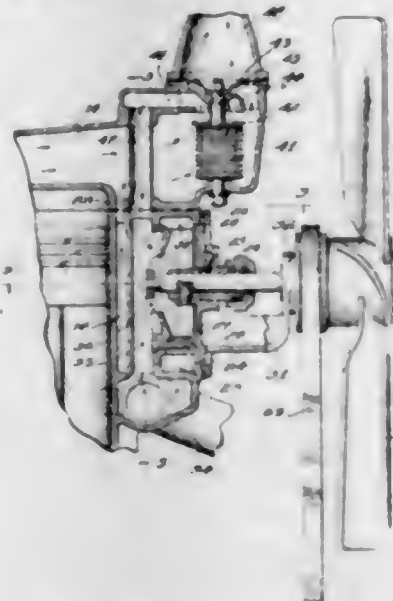
1. An apparatus for inverting trays and the like comprising a platform mounted in equilibrium for receiving a loaded tray rightside up with an inverted tray thereon, and means for placing the trays on the platform to overcome its equilibrium, the momentum imparted to

the trays as the platform and trays move to a position of rest causing the trays to be ejected upside down from the platform.



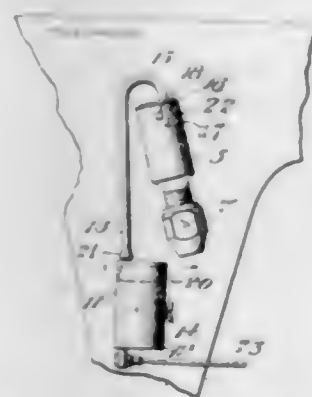
6. An apparatus for inverting trays and the like comprising a conveyor for carrying forward a tray rightside up and a second tray superposed upon the first tray bottomside up, a platform at the end of the conveyor for receiving the trays in the same relative position in which they were on the conveyor, the platform being mounted in equilibrium so that when the trays are properly placed thereon it is moved to eject the trays therefrom so that the top tray will land rightside up and the bottom tray will be bottomside up and means for receiving the inverted trays from the platform.

1,519,155. INTERNAL-COMBUSTION ENGINE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 1, 1922. Serial No. 572,189. 18 Claims. (Cl. 123—178.)



4. In an engine, the combination of a cylinder, a separable head mounted thereon, a pump mounted on the cylinder for supplying cooling water to the cylinder and head jackets, a thermostat mounted in the head for controlling the passage of water from the head jacket, and a by-pass controlled by said thermostat and extending therefrom through the head jacket to the pump.

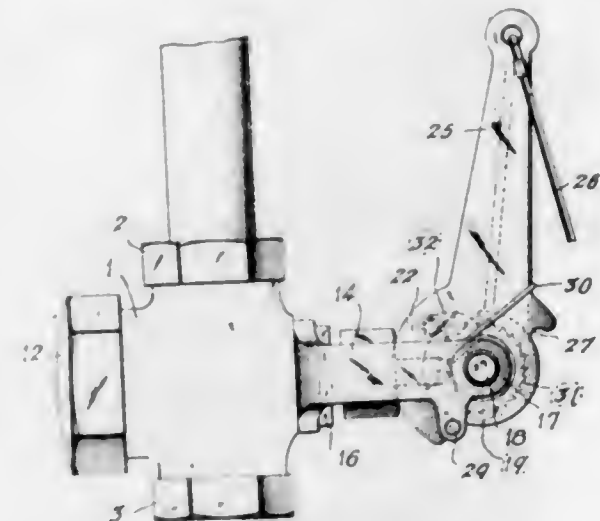
1,519,156. AUXILIARY AIR INLET FOR AUTOMOBILES. THOMAS F. MORRISSEY, East Orange, N. J. Filed Dec. 1, 1923. Serial No. 678,078. 3 Claims. (Cl. 251—126.)



1. In a device of the character described, a body part having a stem adapted to be screwed into the wall of a manifold and providing an air passage through said

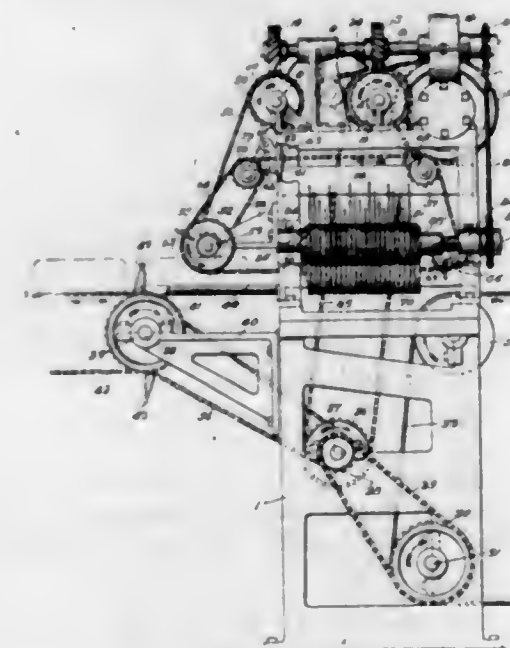
body and stem, and a pendulum member mounted on said body part and adapted to underlie the same adjacent to the entrance to the air passage therein.

1,519,157. VALVE-OPERATING MECHANISM. VICTOR L. MULLER, North Bergen, N. J. Filed June 27, 1921. Serial No. 480,584. 7 Claims. (Cl. 137—139.)



1. The combination with a valve casing having a neck thereon and a spring-closed valve therein having a sliding stem projecting from said neck, of a U-shaped bracket having an opening in its base to fit over said neck for securing said bracket to said valve casing, a shaft rotatably journaled at its ends in the arms of said bracket and extending transversely of the end of said valve stem, a cam mounted on said shaft to slide said valve stem to open said valve when said shaft is rotated a part of a complete revolution in one direction and permit said valve to close upon completion of the revolution of said shaft in said direction, and means for rotating said shaft.

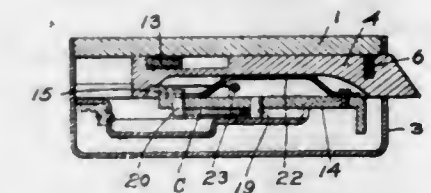
1,519,158. SLICING MACHINE. JOHN S. NAPIER, ERNEST M. PORTER, and JOHN SILVA, Honolulu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Filed Aug. 13, 1923. Serial No. 657,089. 9 Claims. (Cl. 146—6.)



1. A slicing machine comprising a tubular head provided with parallel circumferential slots and a longitudinal slot in one side thereof, a rotary carrier parallel with the longitudinal axis of said head, a series of

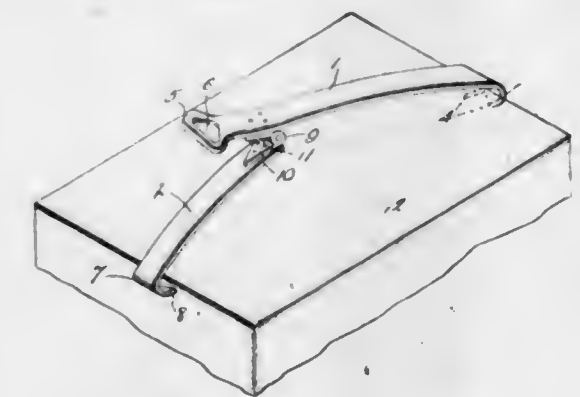
knives on said carrier engaging and traversing the slots in said head during the part of each rotation of the carrier, a chain having laterally extending pusher arms adapted to traverse the tubular head and the slot therein, means for intermittently driving said chain to feed articles to be sliced into and through said head, and means on said carrier to prevent movement of the articles beyond the head during the feeding operation.

1,519,159. COIN-CONTROLLED LOCK. WILSON R. NECKERMAN, Pittsburgh, Pa. Filed Feb. 16, 1922. Serial No. 536,878. 1 Claim. (Cl. 194—59.)



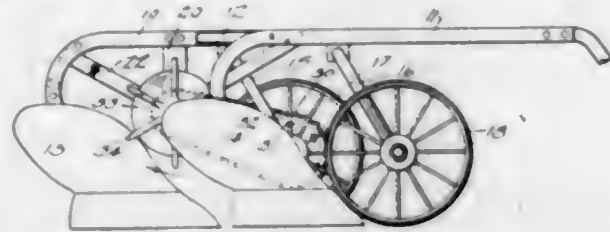
In a coin-controlled lock the combination of a bolt movable between locking and unlocking positions, a slide movable in parallelism with said bolt, interconnection between the two members whereby the bolt may be moved from locking position to unlocking position in response to movement of the slide or may be so moved while the slide remains stationary, a latch normally restraining the slide from bolt-unlocking movement, a coin-sustaining pin borne by said slide and retractible and extensible, means borne by said bolt for retracting said pin, a rotatable knob, and operative connection between knob and slide, the said parts being so coordinated that when a coin rests on said coin-sustaining pin knob turning will (through the coin) effect removal of said latch and consequent bolt shifting movement of the slide, while shifting of the bolt independently of the slide will effect retraction of said coin-sustaining pin, substantially as described.

1,519,160. BOX CARRIER. ROY E. NEDROW, Wenatchee, Wash. Filed Oct. 5, 1923. Serial No. 666,781. 2 Claims. (Cl. 294—62.)



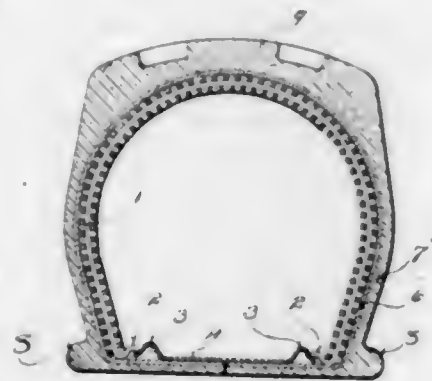
1. A carrier of the class described including a long bar and a short bar, said short bar being hinged at one end to an intermediate portion of the long bar, one end of said long bar being provided with a hooked pointed extension and the other end with a handle, the free end of the short bar being provided with a hooked pointed extension, the length of said short bar being such that when it lies parallel with the long bar in a folded position its hooked extension will be disposed immediately above the hooked extension of the long bar all in the manner and for the purpose specified.

1,519,161. PLOW ATTACHMENT. OLAUS N. NELSON and WILHELM E. STRANDQUIST, Sioux City, Iowa. Filed Apr. 7, 1924. Serial No. 704,747. 2 Claims. (Cl. 97-40.)



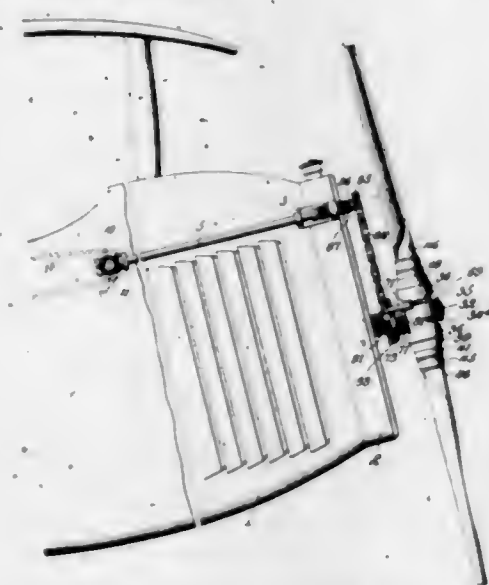
1. In combination with a plow having a plurality of bottoms, wheels and beams for supporting the same, a disintegrator shaft, a disintegrating disk mounted on the shaft forwardly of and above the rear bottom, and means driven from a wheel of the plow for rotating the shaft in the direction of rotation of the wheels of the plow.

1,519,162. TIRE. ADOLF NORIN, Milwaukee, Wis. Filed Mar. 23, 1923. Serial No. 627,030. 2 Claims. (Cl. 152-8.)



2. A spring tire comprising a plurality of relatively widely spaced resilient flat bars corresponding to the cross sectional contour of the tire, a plurality of relatively closely spaced longitudinally extending, parallel, resilient wires interwoven with said bars, a plate having flanged portions spacing the ends of said bars apart, and a casing housing said bars and wires, said wires being formed of a single continuous strand throughout their extent.

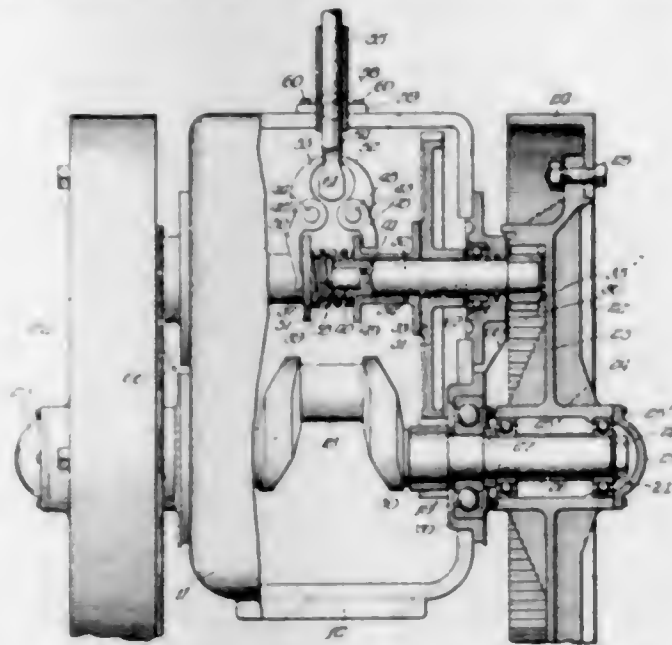
1,519,163. VARIABLE-PITCH PROPELLER FOR AIRPLANES. CLARENCE LYMAN PARKER, Los Angeles, Calif. Filed Dec. 15, 1922. Serial No. 607,116. 29 Claims. (Cl. 170-163.)



1. In an airplane, the combination with a fuselage, a propeller shaft and propeller blades, of a mechanism for varying the pitch of the propeller blades and including a longitudinal shaft on the outside of the fuselage, a

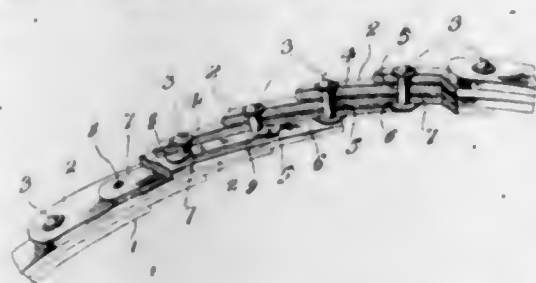
rotatable element within the fuselage and operatively connected with said longitudinal shaft for actuating said mechanism, a frame mounted on said rotatable element and carrying an operating handle and a pointer, and a dial mounted in a fixed position concentric with the rotatable element and larger than the same, whereby the pointer will indicate on the dial the degree of pitch of the blades.

1,519,164. TRACTOR. BENJAMIN S. PFEIFFER, Winnetka, Ill. Filed June 12, 1920. Serial No. 388,481. 9 Claims. (Cl. 180-19.)



1. In a tractor, the combination of an engine having a crank case, a crank shaft rotatably mounted therein and having portions extending outwardly therefrom, and traction wheels rotatably mounted on the outwardly extending portions of said crank shaft, the latter serving as axles for said traction wheels.

1,519,165. DRIVING BELT. PHILIP F. PILLNER, Philadelphia, Pa. Filed Mar. 10, 1923. Serial No. 624,093. 1 Claim. (Cl. 74-63.)

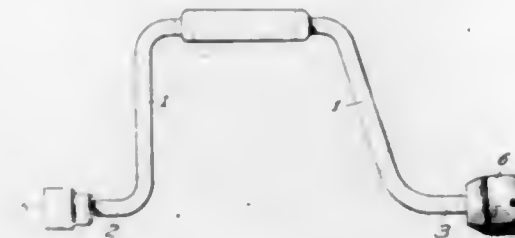


A belt consisting of a series of flexible overlapping strips and a series of nonstretchable flexible metallic links disposed between and enclosed by the overlapping strips, the strips and the links being provided with holes registering with each other and mutually secured by rivets taking through the holes.

1,519,166. BRACE TOOL. PHILIP RAUCH, Brooklyn, N. Y., assignor to Fawcett Wrench Company, New York, N. Y. Filed July 8, 1922. Serial No. 573,548. 3 Claims. (Cl. 195-66.)

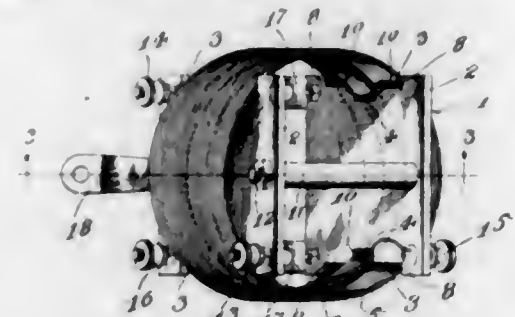
1. An integral handle for brace tools drawn from a continuous piece of sheet metal, said handle comprising a hollow handle part of general cylindrical form of a size in cross section and of a length to afford a substantial grip sidewise thereof by the hand, said handle part at one end having an end wall and a bearing sleeve portion extending within the handle part from said end wall and adapted to rotatably fit upon an end shaft portion

of a brace, the central portion of the end wall being depressed below the outer marginal part thereof, and means adjacent said depressed portion for interlocking the bearing sleeve with an end shaft portion of a brace against



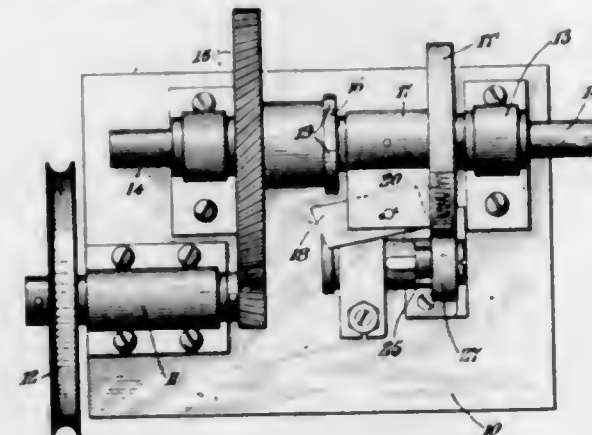
endwise displacement with the outer end face of the end shaft portion below the outer marginal portion of said end face portion, and the hollow handle part having a radial opening in line with said means.

1,519,167. COIL SUPPORT. LEWIS T. RHODES, Mont Clare, Pa., assignor to New York Coil Company, New York, N. Y. Filed June 1, 1923. Serial No. 644,723. 4 Claims. (Cl. 175-359.)



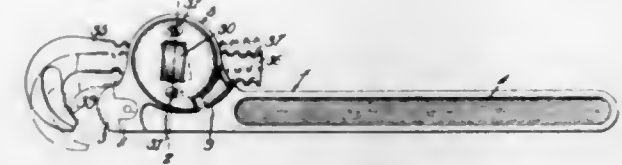
1. A coreless coil support consisting of a pair of coil holding plates of insulating material, each plate having recesses for receiving coils of different diameter, and means for spacing and connecting the holding plates.

1,519,168. INTERMITTENTLY-OPERATING APPARATUS. EDWARD S. RINALDY, Rockville Center, N. Y. Filed June 28, 1921. Serial No. 481,016. 1 Claim. (Cl. 192-33.)



In intermittently operating and reversible apparatus: a continuously running driving member, and a member adapted to be driven therefrom; and intermediate mechanism for connecting said driving member with said driven member and comprising a toothed disc rotatable with the driving member, a drum carried by said driven member, a pawl pivotally mounted therein, a spring carried by said drum, acting on said pawl and tending to force same in a direction at right angles to the plane of the disk for engagement therein, a spring urged lever, and a roller carried thereby, engaging the said drum member and adapted to bear upon one end of the pawl to maintain the latter out of engagement with the toothed disk.

1,519,169. PIPE WRENCH. JOHN RUNSBERG, Hopkins, Minn. Filed Aug. 23, 1922. Serial No. 583,876. 1 Claim. (Cl. 81-105.)



In a wrench of the class described, a body member having a fixed jaw at one end, a bearing box projecting laterally from one edge of said body and having diametrically opposite openings extending parallel with said body, a journal member mounted in said box and composed of two separably connected complementary sections forming when united a unitary cylindrical structure, said sections having registering openings, an adjusting nut mounted in said openings, a movable jaw having a shank extending through said box and nut whereby the turning of the nut will adjust the movable jaw toward and away from the fixed jaw and cooperating lugs carried by the box and said body to lock the jaws in gripping relation.

1,519,170. RAZOR HONING AND STROPPING DEVICE. WILLIAM E. SHRYVER, Norwalk, Conn. Filed Aug. 10, 1922. Serial No. 580,834. 7 Claims. (Cl. 51-63.)

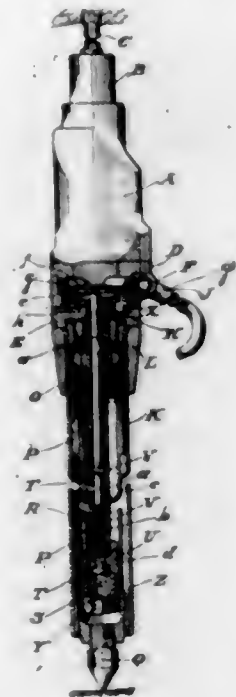


1. A honing and stropping device including a frame; hones rotatable in the frame; rocking means mounted in the frame; a strop sliding in the frame and operating the hones and rocking means; blade moving means adjustable in the frame relatively to the rocking means to bring the blade in position to engage either the hones or strop; means for keeping the rocking means in operative connection with the blade moving means when adjusted to either position, and means for retaining the blade moving means in adjusted position.

1,519,171. AIR-FEED LOCK FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 16, 1922. Serial No. 568,831. 9 Claims. (Cl. 121-9.)

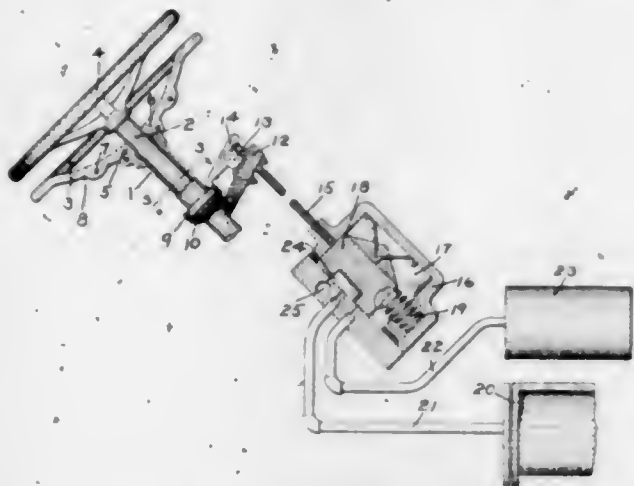
1. In a fluid actuated rock drill, the combination of a cylinder, a fluid actuated feeding element having relatively movable members, one being connected to said cylinder, and the other being stationary, a rack on one

of said members, a worm carried by the other member engaging said rack, clutch elements both carried by the said movable member of the feeding element for locking



said worm against rotation, and means acting directly on the worm for moving the clutch elements to operative position.

1,519,172. AUTOMOTIVE BRAKE CONTROL. CARLTON D. STEWART, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,475. 2 Claims. (Cl. 74-39.)

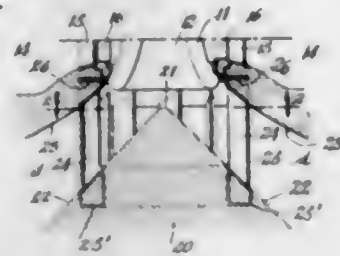


1. In a motor vehicle brake, the combination with a steering column and a steering wheel, of a valve for controlling the fluid pressure brakes; a push rod for operating said valve, a sleeve mounted to slide on said steering column, an annular flange at one end of said sleeve, a pivoted lever having one end engaging said flange and the other end engaging said push rod, and an annular hand held at the other end of said sleeve for operating said sleeve.

1,519,173. HYDRAULIC TURBINE. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Original application filed July 24, 1917. Serial No. 182,498. Divided and this application filed May 26, 1922. Serial No. 563,811. 6 Claims. (Cl. 253-17.)

1. In a hydraulic turbine the combination with a runner adapted to discharge the flow downwardly and

outwardly, of a draft tube having a diagonally extending outward wall around the discharge end of said runner, and a ring of stay vanes extending downwardly from



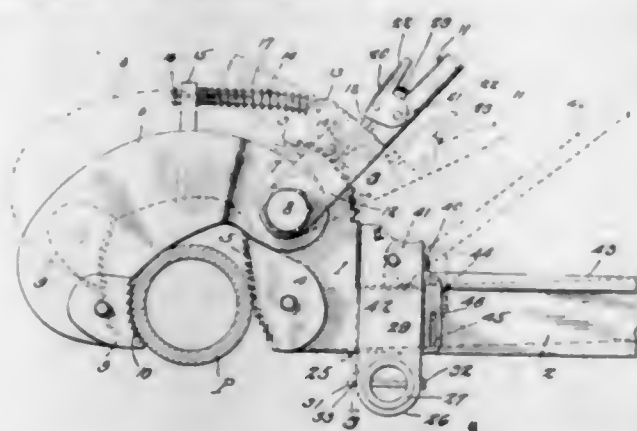
said wall and closely surrounding the discharge end of said runner so as to be spaced therefrom less than the height of one of said stay vanes.

1,519,174. SPINNING BAIT. ALFRED ALBERT TOMLIN, Toronto, Ontario, Canada. Filed May 4, 1923. Serial No. 636,575. 4 Claims. (Cl. 43-45.)



1. A spinning bait having a substantially flat body portion provided with oppositely bent tail portions formed at the rear end of the said body portion; and a fin located at each side of the body portion and extending longitudinally thereof and substantially normal to the surface of the said flat body portion, the fins extending rearwardly in opposite directions relative to the median line of the body portion and their rear ends spaced apart at their extremities.

1,519,175. WRENCH. GEORGE BARNETTE TREW, Shreveport, La. Filed Oct. 23, 1922. Serial No. 596,319. 8 Claims. (Cl. 255-35.)



1. A wrench of the class described comprising a body member having a fixed jaw equipped with a pivoted gripping element and having a handle, a movable jaw pivoted to said body and having a pivoted gripping element for cooperation with the gripping element of the fixed jaw, a pawl and ratchet mechanism between said body and movable jaw for locking the movable jaw in operative position, and a spring pressed lever to hold said pawl engaged with said ratchet.

1,519,176. TOASTER. FRED O. TROGER and ERMA M. TROGER, Detroit, Mich., assignors to Thomas Edison Jackson, Detroit, Mich. Filed Jan. 22, 1923. Serial No. 614,137. 2 Claims. (Cl. 53-5.)

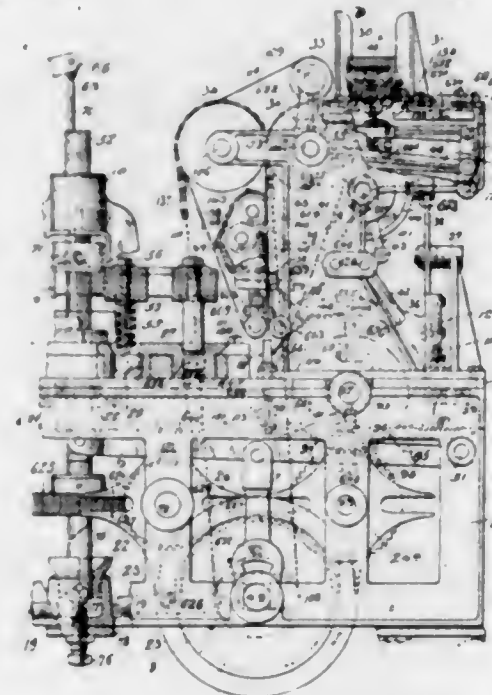
1. An electric toaster including a grid provided with an outwardly offset crank shaft, said shaft pivotally mounted on the toaster, and downwardly extending fin-

gers carried by the off-set portion of said crank shaft and constructed to dip under and behind a slice of toast on rotation of the crank shaft for the purpose



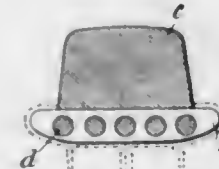
of turning the toast so as to present the other side to the toaster when the turn-over grid is returned to its initial position.

1,519,177. MACHINE FOR FORMING AND WRAPPING PACKAGES. EDWARD F. VOLKMER, Brooklyn, N. Y. Filed Feb. 19, 1920. Serial No. 359,954. 1 Claim. (Cl. 93-2.)



In a machine for forming and wrapping packages, the combination with a carrier having pockets to receive the formed packages and the wrappers therefor, and means to actuate said carrier, tucker plungers arranged in pairs, pinions to actuate said plungers and a rack bar to simultaneously rotate said pinions.

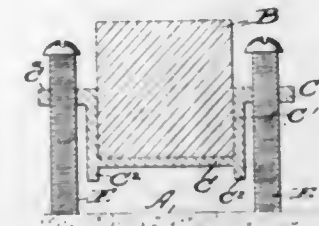
1,519,178. LAMINATED TIRE. BORIS VON LOUTZKOY, Berlin, Germany. Filed Dec. 11, 1920. Serial No. 430,676. Renewed June 20, 1924. 1 Claim. (Cl. 152-9.)



In a tire composed of transversely disposed laminations, a reinforcement for each lamination comprising an apertured plate embedded in the base of the lamination and having an inner edge conforming to the wheel body upon which the tire is adapted to be mounted, said plate extending at opposite ends laterally beyond the sides of the tire for interlocking engagement with the retaining flanges of the wheel body.

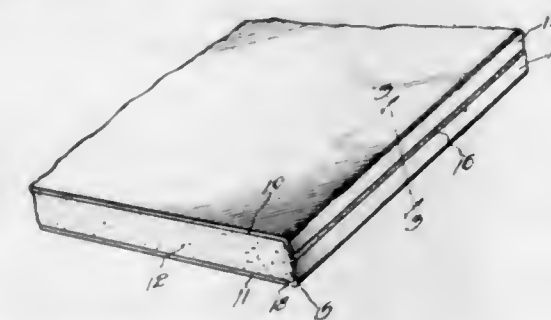
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1,519,179. DEVICE FOR LEVELING WOODEN FLOOR SLEEPERS. JOHN A. WHITTAKER, Detroit, Mich. Filed Nov. 7, 1923. Serial No. 673,347. 2 Claims. (Cl. 20-6.)



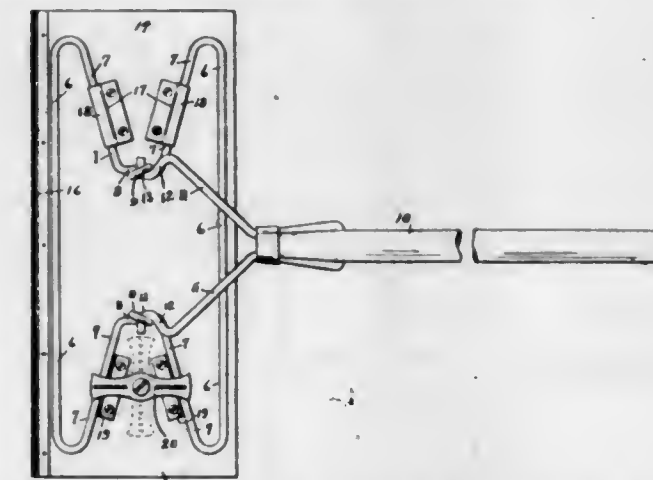
1. A device of the character described comprising a unitary element of channel-like form in cross-section adapted to receive and support a floor strip, said element having flanges integral therewith extending outwardly from its side walls to provide a relatively broad support for the floor strip, and a plurality of adjustable screws projecting through holes tapped in said flanges for regulating the altitude of the device with reference to a floor level.

1,519,180. PLASTER BOARD. CLARENCE E. WILLIAMS, Chicago, Ill., assignor to The Beaver Products Co., Inc., Buffalo, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 582,605. 14 Claims. (Cl. 154-45.9.)



5. A plaster board comprising, in combination, a body of plaster or the like, cover sheets covering the opposite faces of said body and adhering thereto to reinforce said body from edge to edge, the margins of each of said cover sheets being tapered, and folded over the edges of said body and cemented thereto.

1,519,181. SURFACE-TREATING DEVICE. LEON P. WILSON, Sioux City, Iowa. Filed Nov. 16, 1922. Serial No. 601,239. 2 Claims. (Cl. 15-146.)



1. A device of the class described comprising a surface treating element having a flat back, a handle, eyes on the back, and tangs on the handle pivoted in the eyes to permit relative oscillation between the back and handle, the eyes being disposed in vertical planes at an angle to the vertical plane of the handle, and the tangs having parts coacting with the eyes to normally hold the back and handle yieldably in determinate relative positions.

1,519,182. HOLLOW BUTT-WELDED PISTON FOR SAND RAMMERS. WILLIAM F. ZIMMERMANN, Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 9, 1924. Serial No. 719,008. 2 Claims. (Cl. 74-108.)



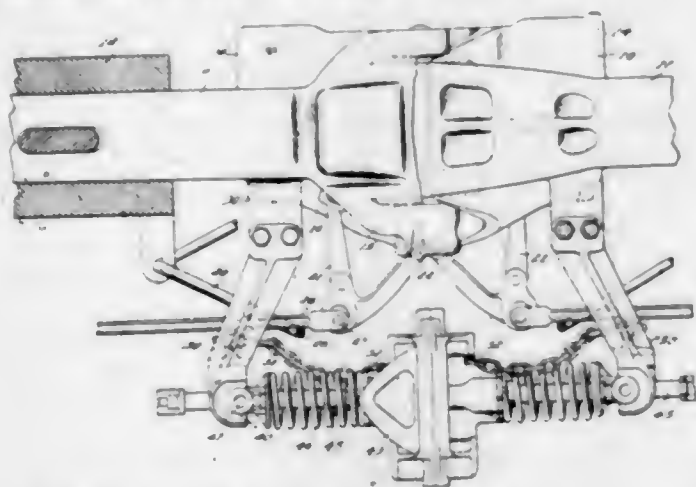
1. A piston for pneumatic sand rammers and the like comprising a shank having a cup shaped piston end and a relatively long cup shaped piston part molecularly joined to the cup shaped end of the shank.

1,519,183. METHOD OF APPLYING DRIVING BANDS TO SPINDLES. HARRY G. BAKER, Worcester, Mass. Filed Feb. 13, 1922. Serial No. 536,228. 2 Claims. (Cl. 74-66.)



1. The method of applying a driving band to a spindle which consists in first providing tips on the ends of said band, then placing marks on the band at unequal distances from said tips, then passing said band around a drum and bringing both marks in front of the spindle, then inserting first one tip and then the other into the body of the band at said marks, and finally in pulling the tips to bring said marks together, the said tips always remaining in front of the spindle.

1,519,184. AUTOMATIC TRAIN-PIPE CONNECTER. MARTIN A. BARBER, Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del., a Corporation of Delaware. Filed Apr. 29, 1922. Serial No. 557,336. 8 Claims. (Cl. 213-76.)



1. In an automatic train pipe coupling, the combination with a car coupler having an operating member supported beneath the coupler and an actuating lever

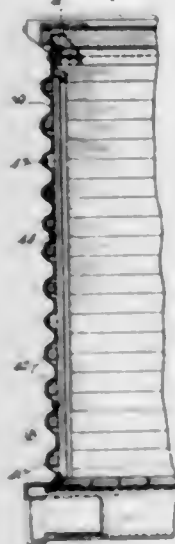
for said member, of two supporting arms for an automatic train pipe connection secured to said coupler in laterally spaced relation on opposite sides of said operating member whereby the lever may move said member vertically with reference to the arms, and an automatic train pipe connector carried by said supporting arms.

1,519,185. SAFETY RAZOR. ANTOINE BERTRY, Paris, France. Filed Oct. 9, 1922. Serial No. 593,453. 2 Claims. (Cl. 30-12.)



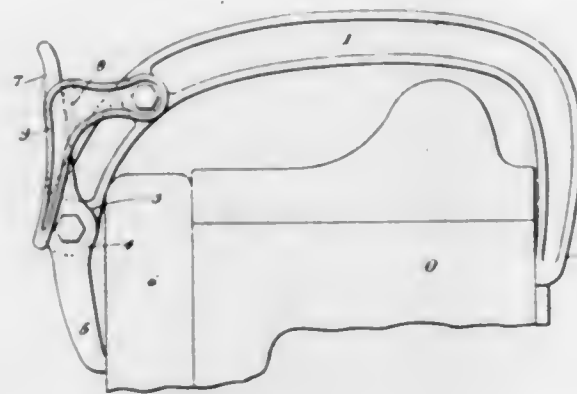
1. In a safety razor a handle, a plate provided in its center with a substantially aempherical socket, presenting its outer convex face towards the handle and provided with a slot parallel to the cutting edge of the blade, a threaded pin having a substantially spherical head which rests on the inner concave face of the said socket having a reduced portion to pass through the said slot and being threaded in the end of the handle, said handle end having a socket whose curvature matches that of the outer convex face of the first named socket, whereby the handle may be shifted in a plane parallel to the said cutting edge and thereafter clamped in any oblique position.

1,519,186. CAR-WALL STRUCTURE. CHARLES D. BONSALL, Parnassus, Pa., assignor to Walter P. Murphy, New York, N. Y. Filed Oct. 6, 1919. Serial No. 328,853. 10 Claims. (Cl. 105-410.)



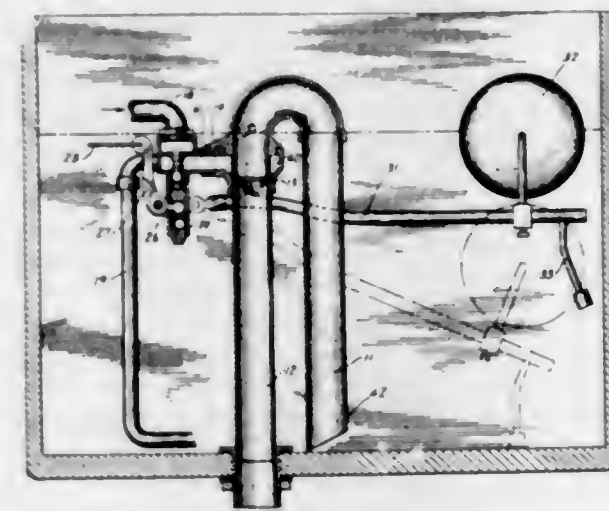
10. A metallic wall for railway cars comprising a plurality of plates having integral corrugations formed therein, each corrugation having a substantially flat crest, said plates overlapped and secured together, the area of the overlapped portions of said plates being substantially equal to the area of said crest, whereby the neutral axis is retained near the geometrical axis of said wall.

1,519,187. ASSEMBLING CLAMP. THOMAS E. BRALEY, Wichita, Kans., assignor to Louis Schwab, doing business as Stevens & Company, New York, N. Y. Filed Apr. 11, 1924. Serial No. 705,733. 4 Claims. (Cl. 29-89.)



1. In an assembling clamp for internal combustion engines, the combination of a yoke adapted to straddle an engine block and a positioned manifold, manifold engaging means pivoted to one end of the yoke, and locking means for controlling said pivoted means.

1,519,188. FLUSH-TANK FIXTURE. ALFRED A. BRIGGS, New York, N. Y. Filed Feb. 3, 1922. Serial No. 533,801. 13 Claims. (Cl. 4-44.)

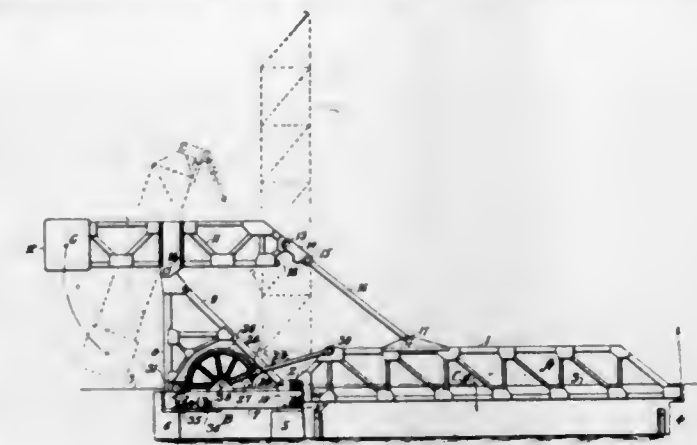


1. In a flush tank fixture, a tank, an outlet pipe secured to the tank, a casing secured to and supported on the outlet pipe and having an inlet chamber and a pair of outlet chambers, ports between said first chamber and the pair of chambers, a pair of valves controlling said ports, an inlet pipe leading to the inlet chamber and outlet ports in said other chambers leading to the outlet pipe and to the tank.

1,519,189. DRAWBRIDGE. THOMAS E. BROWN, New York, N. Y.; Florence B. Brown administratrix of said Thomas E. Brown, deceased. Filed Apr. 29, 1922. Serial No. 557,442. Renewed May 27, 1924. 10 Claims. (Cl. 14-36.)

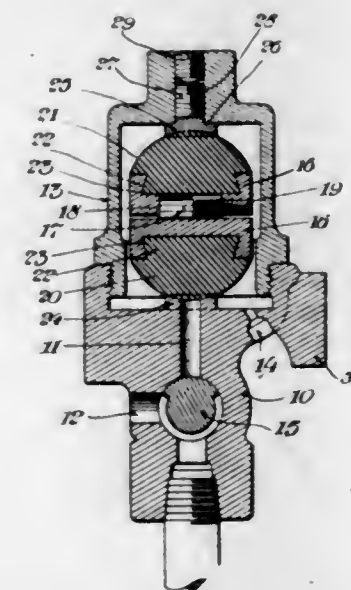
1. In a drawbridge, the combination of a hinged span, a balance beam carrying a counterweight and having angular motion unequal to the angular motion of said span,

a connection from said beam to said span, links joining said connection to said beam and stops located on said



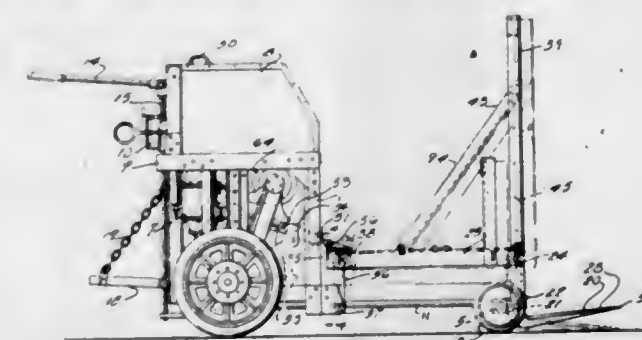
beam to contact with said links and change the rotational length of said connection to effect substantial balance of said span throughout its motion.

1,519,190. PRESSURE-RETAINING VALVE. EDDY L. CLARK, West Pittston, Pa. Filed Mar. 4, 1922. Serial No. 541,082. Renewed Oct. 24, 1924. 10 Claims. (Cl. 303-79.)



1. The combination with a valve casing having a port at one end thereof, of a valve element comprising a support movably contained in said casing, an elastic body carried by and projecting from said support, the projecting portion of the body being convex and being adapted to be seated on the port, and adjustable pressure means acting upon the valve element to maintain the said body normally seated on the port.

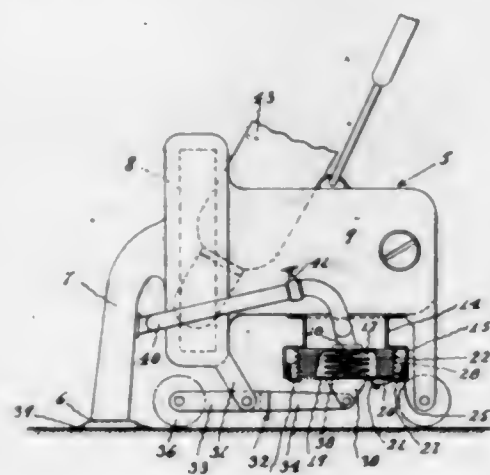
1,519,191. INDUSTRIAL TRUCK. THOMAS H. CLEGG, Brooklyn, N. Y. Filed Oct. 20, 1921. Serial No. 509,060. 32 Claims. (Cl. 214-65.)



1. A dirigible motor driven industrial truck having lifting means at the forward end including relatively movable wedge shaped fingers conforming to floor in-

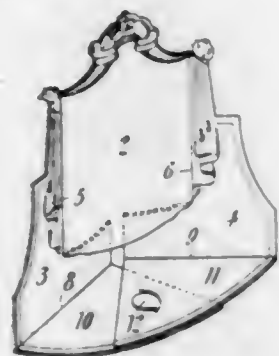
equalities to permit driving under and picking up a load on the floor, a motor for actuating said lifting means, and actuating connection between the motor and said lifting means.

1,519,192. SUCTION-NOZZLE CONTROL FOR VACUUM CLEANERS. WILLIAM H. DEMPSEY, Bogota, N. J. Filed Dec. 11, 1919. Serial No. 344,020. 14 Claims. (Cl. 15-16.)



6. In combination, a vacuum cleaner provided with a suction nozzle; a support for said cleaner, and means actuated by variation of pressure in said nozzle for positioning said nozzle.

1,519,193. DISPLAY DEVICE. ADOLPH DIETSCH, JR., New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1922. Serial No. 602,379. 3 Claims. (Cl. 40-149.)

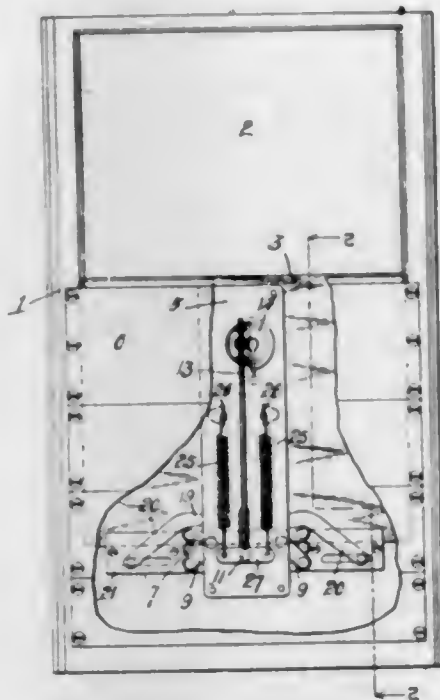


1. An integral display device of sheet material including in combination a display panel, the opposite lower side portions of said display panel having inreaching extensions horizontally severed from said panel at its mid-portion and vertically severed from one another, and base members horizontally articulated to said opposite lower side portions respectively, the inner ends of said opposite lower side portions being adapted to extend rearwardly of said panel mid-portion and said panel mid-portion being adapted to be suspended over said base members when the device is in erected position.

1,519,194. WINDOW RAISING AND LOWERING MEANS. ROBERT L. ELLERY, Toledo, Ohio. Filed Sept. 1, 1922. Serial No. 585,621. 3 Claims. (Cl. 268-4.)

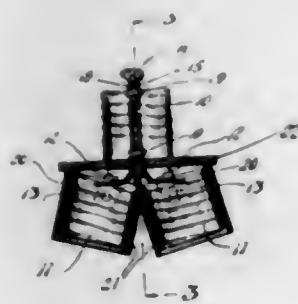
2. In combination with a stationary member, a lazy-tongs, means pivoted at their lower ends to the stationary member and depending therefrom and pivoted at their lower ends to the lower ends of the lower links of the lazy-tongs so as to support the latter, means to vertically guide the pivotal pin of the said lower

links of the lazy-tongs, means connected to said pin to operate the lazy-tongs, means connected to said pin to tension the lazy-tongs, the upper ends of the upper links



of the lazy-tongs having lateral opposed extensions, a movable member, and means to connect the outer ends of said extensions to the movable member.

1,519,195. CONNECTING DEVICE FOR ELECTRIC CIRCUITS. SAMUEL M. ESLER, Marion, Ind., assignor to Esler Electric Manufacturing Company, Marion, Ind., a Corporation of Indiana. Original application filed Aug. 7, 1919. Serial No. 315,927. Divided and this application filed Mar. 26, 1923. Serial No. 627,559. 5 Claims. (Cl. 173-335.)

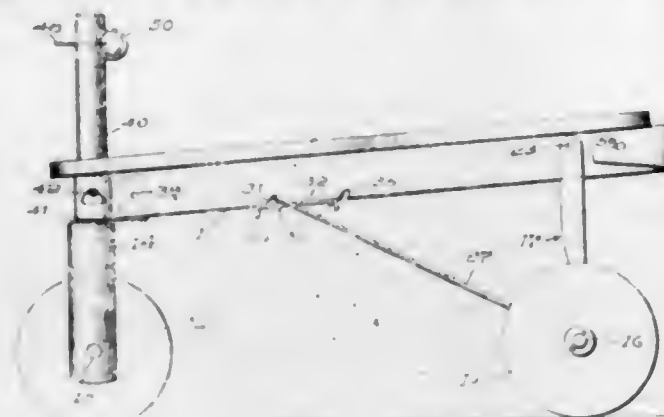


1. In a device of the class described, the combination of a screw-shell, a strip of insulating material held in position in said screw-shell by engagement at its side edges therewith, being in spaced relation to the screw-shell along the faces of said strip, additional screw-shells connected electrically with said first named screw-shell providing sockets on opposite faces of said insulating strip and being placed in diverging relation to each other, and means forming center contacts supported by said insulating strip in spaced relation to all of said screw-shells.

1,519,196. CHILD'S VEHICLE. WILLIAM C. FARNUM, Fitchburg, Mass. Filed Aug. 20, 1923. Serial No. 658,273. 13 Claims. (Cl. 208-105.)

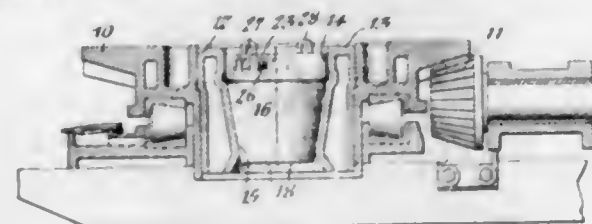
1. A child's vehicle of the three-wheel type, comprising in combination, a seat supported by a single forward wheel and a pair of rear wheels, a transversely extending

axle for the rear wheels, a bracket for securing the axle to the seat and having a portion folded to form a tube that embraces the axle and spaced upwardly ex-



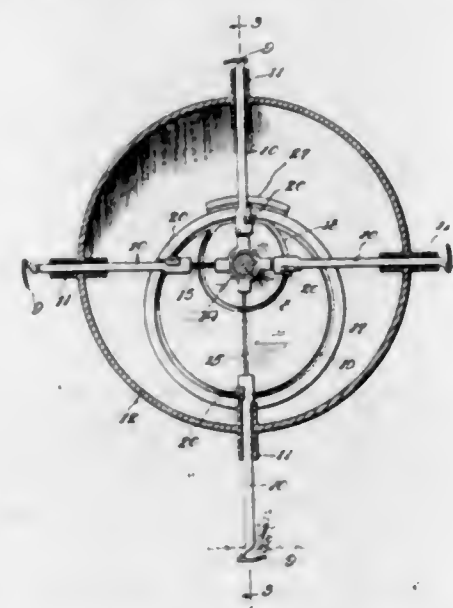
tending arms that are secured to the seat, and a brace extending from the seat to the lower portion of said bracket.

1,519,197. DRILL-STEM BUSHING FOR WELL-BORING APPARATUS. CHARLES E. FISHER and PERCY W. AULAR, Titusville, Pa., assignors to The Titusville Iron Works Company, Titusville, Pa., a Corporation of Ohio. Filed Oct. 26, 1923. Serial No. 671,051. 8 Claims. (Cl. 255-23.)



1. A drill stem bushing of the character described, comprising complementary sections, each section having on its inner face a tongue and a groove arranged to interlock with the corresponding elements of the other section, one of the side walls of each tongue being exposed and forming a continuation of the corresponding side wall of the respective section, the groove of the latter being open at the joint face thereof and at the side facing the opposite side wall of said section.

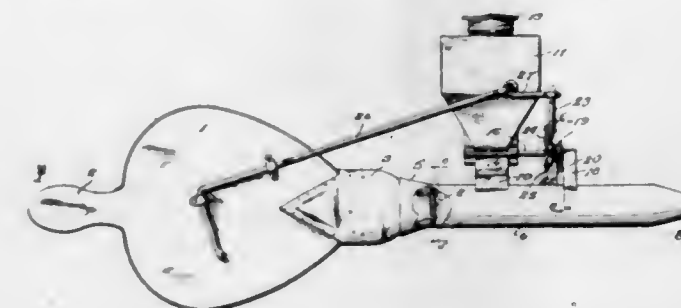
1,519,198. COTTON CHOPPER. ROLAND C. FRANKE, Mullen, Nebr. Filed June 30, 1922. Serial No. 571,864. Renewed May 9, 1924. 6 Claims. (Cl. 97-15.)



1. The combination of a chopper shaft, choppers carried thereby, means for continuously rotating the shaft, and plant-actuated means for shifting the choppers where-

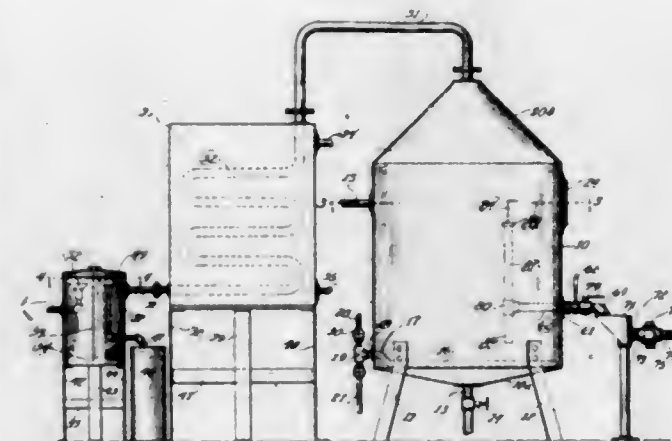
by they may travel in a path concentric with the shaft without operating or in a path eccentric to the shaft to operate.

1,519,199. SPRAYER. ORIE F. GREEN, Cynthiana, Ky. Filed Aug. 25, 1923. Serial No. 659,370. 2 Claims. (Cl. 43-147.)



1. A device for the purpose set forth comprising a bellows, a nozzle projecting forwardly from the front end of the bellows in alignment therewith, a hopper on the nozzle in communication therewith, a rotatable feeder in the bottom of the hopper having its axis extending parallel with the nozzle, and means mounted on the nozzle and controlled by the bellows for imparting a step by step movement to the feeder.

1,519,200. APPARATUS FOR RECLAIMING USED LUBRICATING OIL AND FUEL SUBSTANCES. CLEMENT P. GRIFFITH, Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc., a Corporation of Indiana. Filed Aug. 1, 1921. Serial No. 489,143. 3 Claims. (Cl. 210-51.)

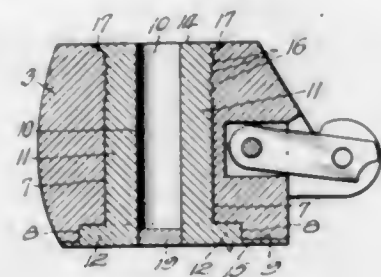


1. A tank for reclaiming and separating mixed oils having a substantially L-shaped take-off pipe journaled in the side thereof, one angle of said pipe being normally vertically disposed within said tank and the other end of said pipe extending through and beyond the outer wall of said tank, the inner end of said pipe being screw threaded for the reception therein of a screw threaded closure cap, a hand grip carried by said cap, a hand hole in the side of said tank adjacent the upper end of said pipe when in normal position, and a closure cap for said hole.

1,519,201. WOODEN LAST. STEPHEN T. HENNESSY, St. Louis, Mo. Filed Oct. 27, 1922. Serial No. 597,390. 4 Claims. (Cl. 12-139.)

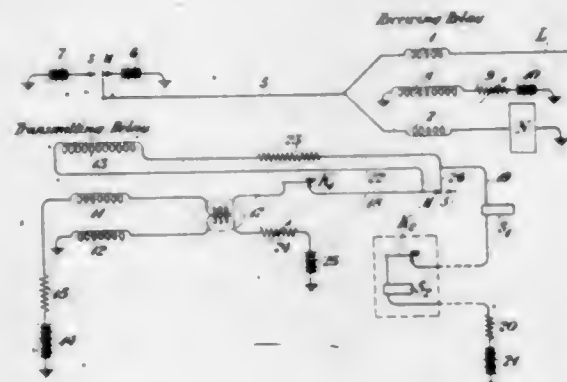
1. The combination, with a wooden last, of a metallic plate covering the lower face of the heel section of the last, a tubular core integral with the plate and extending through the last from the lower face of the heel section

thereof to the upper face thereof, oppositely disposed cylindrical guide posts integral with the tubular core terminating at their free ends in a plane with the free



end of the tubular core, a boss formed at the lower end of each guide post, and each of said posts each having a portion of their peripheral face serrated.

1,519,202. TELEGRAPH SYSTEM. JOSEPH HERMAN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 20, 1922. Serial No. 537,574. 3 Claims. (Cl. 178-2.)



1. A telegraph set comprising a receiving relay and a transmitting relay, a loop circuit including an operating winding for said transmitting relay and adapted to be closed over the armature and marking contact of said receiving relay, and a holding circuit including a holding winding for said transmitting relay and a resistance, said holding circuit being connected to the armature and marking contact of said receiving relay whereby said circuit will be short-circuited when said loop circuit is closed at said armature and marking contact and will be connected serially with said loop circuit when said loop circuit is opened at said armature and marking contact.

1,519,203. STOVE CLOTH. ROSALIE M. HERNDON, Fredericksburg, Va. Filed Apr. 17, 1922. Serial No. 553,502. 1 Claim. (Cl. 2-20.)



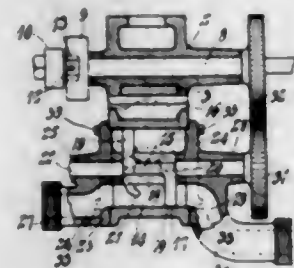
A hand protector of the class described comprising a relatively wide body sheet of heavy heat-insulating cloth having a straight transverse rear margin, a transversely curved front margin, and straight side margins, mutually disconnected whereby to permit of ready and quick application and removal of the protector, and a thumb stall secured at its base to the sheet at a point adjacent

the rear margin thereof and midway between the said side margins of the sheet, whereby when the protector is applied to the hand, one lateral half of the sheet will cover the palm of the hand and the other lateral half of the sheet will cover the back of the hand, the thumb of the hand occupying the thumb stall.

1,519,204. PROCESS FOR THE REGAINING OF METAL FROM METALLIC CHIPPINGS. KARL HESS, Heilbronn, Germany. Filed Dec. 6, 1920. Serial No. 428,806. 2 Claims. (Cl. 70-17.)

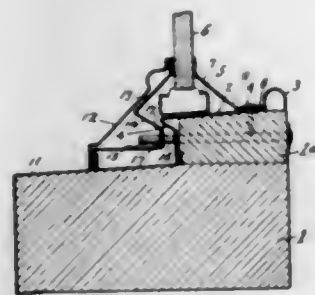
1. A process of recovering light metals from chippings, residues, ashes, etc., by melting the said material with salts, the said material being gradually introduced in small quantities into a bath of molten salt.

1,519,205. VALVE FOR FLUID-MOTIVE APPARATUS. KARL KIEFFER, Cincinnati, Ohio. Filed June 13, 1921. Serial No. 477,257. 3 Claims. (Cl. 251-96.)



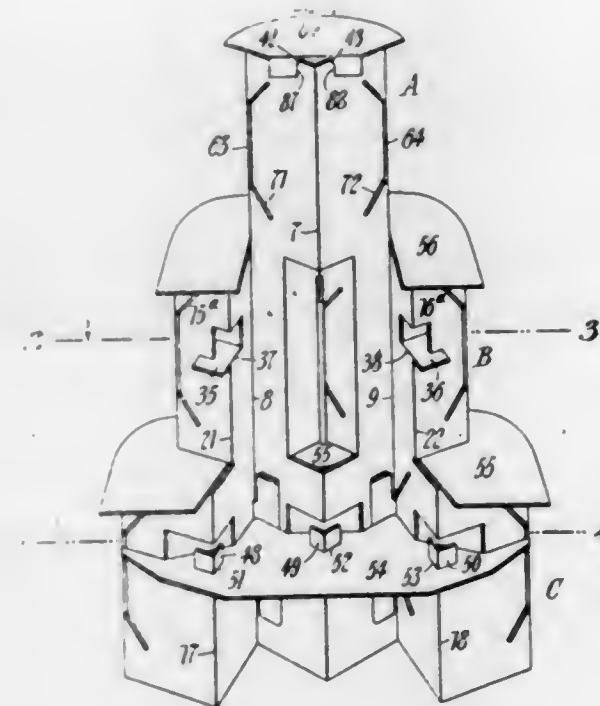
1. A rotary valve element comprising a hub, semicircular flanges, one at each end of said hub, concentric therewith and diametrically opposite each other across the hub axis, and webs extending from opposite sides of said hub coincident with and joining the straight edges of said flanges and substantially coterminous with the peripheries of said flanges.

1,519,206. STORE-FRONT CONSTRUCTION. ABRAHAM KATZ, Brooklyn, N. Y. Filed Mar. 6, 1923. Serial No. 623,190. 8 Claims. (Cl. 2-56.4.)



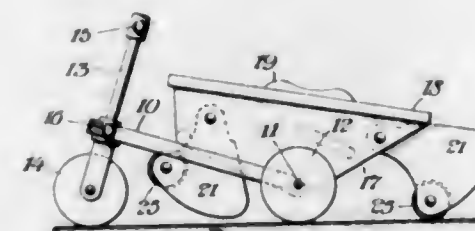
1. In a glass setting, a fixed supporting frame having its inner faces surrounding the marginal edges of the glass, a pair of sash members carried by each of the inner faces of said frame and disposed on opposite sides of the glass for the lateral support of the latter, and means for detachably securing either member of each pair to said frame independently of the other member of the same pair, whereby the sash members on either one of the sides of the glass may be removed while those on the opposite side remain fixed to permit the glass to be inserted or removed from either side of the frame.

1,519,207. DISPLAY DEVICE. CHARLES F. KAY, Nutley, N. J. Filed May 7, 1923. Serial No. 637,090. 4 Claims. (Cl. 211-24.)



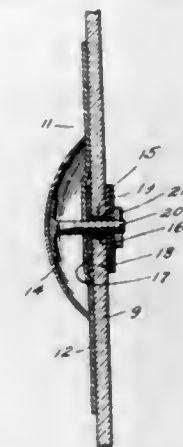
1. In a collapsible display device the combination of a back member foldable along vertical lines into zigzag panels presenting a plurality of projecting corners, a plurality of front members removably interlocked at their vertical edges with said projecting corners and with the outer portions of the outer panels respectively, said front members being in plural bowed relation to said back member, and means for sustaining the panels of said back member in zigzag relation, said back member and said front members being foldable into substantial parallelism upon the release of said sustaining means.

1,519,208. TOY VEHICLE. BENJAMIN M. LUTON, Jr., Jersey City, N. J. Filed Sept. 28, 1921. Serial No. 503,916. 7 Claims. (Cl. 208-38.)



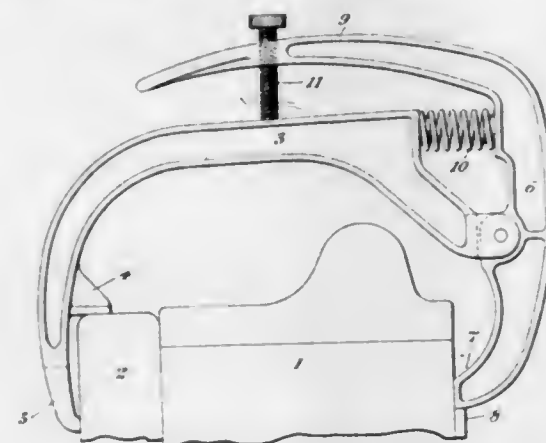
1. In a toy vehicle, a traveling supporting structure, a load-bearing element mounted intermediate its ends for rocking motion on a horizontal axis on said structure, and propelling means comprising a rotary member having a curved peripheral portion and eccentrically mounted on said element on an axis laterally of the first-named axis, the greatest radius of said rotary member being below and in approximate vertical alignment with the axis of said member when the adjacent end of the load-bearing element is in its uppermost position, whereby the act of rocking said element by alternately shifting the load thereon from one side to the other of the first named axis causes the progressive propulsive engagement of the said peripheral portion with the surface of travel.

1,519,209. LAMP. FRANK C. MCELROY, Columbus, Ohio. Filed Oct. 31, 1921. Serial No. 511,698. 3 Claims. (Cl. 240-48.4.)



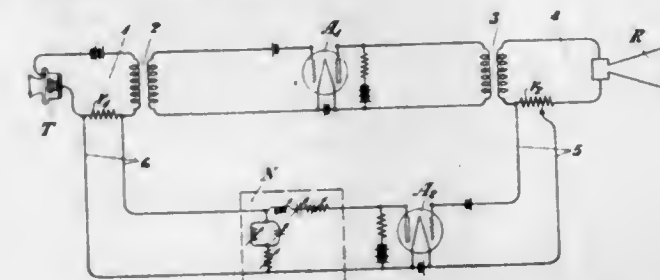
1. A lamp closure for controlling light projection from a vehicle head lamp comprising a transparent plate, and a supplemental reflector provided centrally on said plate, said reflector being formed to comprise a centrally disposed convex reflecting surface surrounded by a flat annular reflecting surface.

1,519,210. ASSEMBLING CLAMP. JOHN J. MCGUCKIN, Brooklyn, N. Y. Filed Mar. 20, 1924. Serial No. 700,602. 2 Claims. (Cl. 29-89.)



1. In an assembling clamp for internal combustion engines, the combination of two pivotally connected members, one thereof being provided with integral means for engaging above a manifold and with integral means for engaging against the side of the manifold, and the other thereof being provided with means for engaging against the back of an engine block; elastic means for urging the jaws of the clamp toward each other, and means for locking the clamp in applied position.

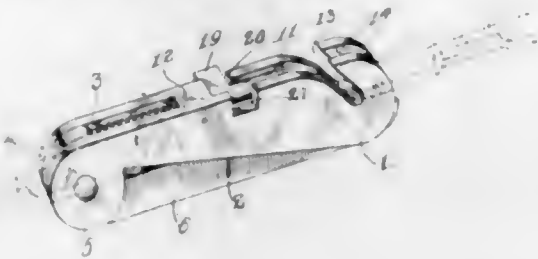
1,519,211. LOUD-SPEAKER CIRCUITS. WILLIAM H. MARTIN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 17, 1922. Serial No. 568,947. 3 Claims. (Cl. 179-171.)



1. A circuit including a transmitter and a receiver so arranged that an acoustic coupling exists between said receiver and transmitter, and an electric coupling

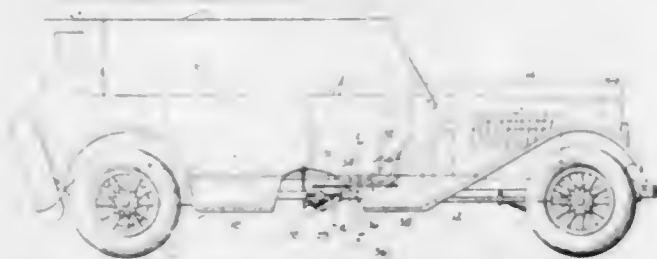
associated with said circuit adapted to neutralize the effect of said coupling, said electric coupling comprising an amplifier and a distortion network and means for adjusting the same.

1,519,212. CHAIN TIGHTENER AND COUPLING. MARTIN V. MITCHELL, Butte, Mont. Filed Mar. 30, 1923. Serial No. 628,895. 2 Claims. (Cl. 24-68.)



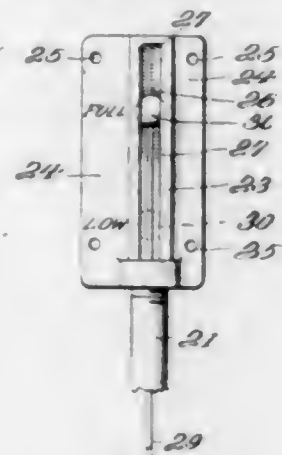
1. A device of the class described including an elongated body member, provided with spaced ears at one end thereof forming a hook, a lever having an offset head at one end pivoted between said ears, said lever being normally disposed longitudinally of the body closing the hook, the head of the lever being provided with a recess, and a latch carried by the body member adapted to be seated within the recess when the lever is in normal position to retain the same against movement.

1,519,213. COMPRESSED GASEOUS-FLUID BRAKE. ARLINGTON MOORE, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed May 9, 1922. Serial No. 559,675. 16 Claims. (Cl. 192-3.)



1. A self-contained device for converting into a fluid compression brake an internal combustion motor, comprising a housing forming a portion of the exhaust conduit, and a cutoff valve and a vent valve located in said housing.

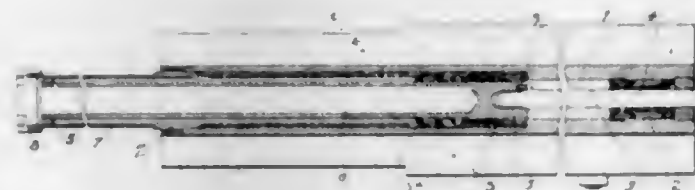
1,519,214. INDICATING DEVICE. JOHN B. MOORE, Latrobe, Pa. Filed Jan. 20, 1922. Serial No. 530,501. 2 Claims. (Cl. 73-82.)



1. An indicator of the character described comprising a casing provided with an indicator chamber having an open slot, an indicator member reciprocally having a ball-like element mounted within said chamber and ex-

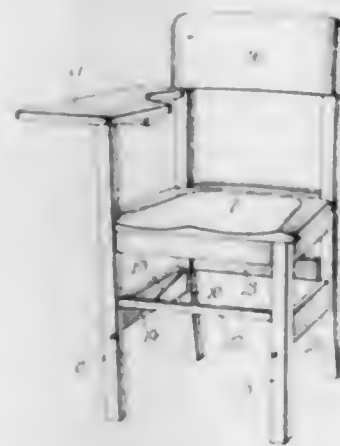
posed to view through said slot, said ball-like element being of a diameter greater than the width of the slot, whereby it is protected by the edges of said slot and means by which the position of the indicator member is controlled.

1,519,215. FLUID RECOIL BRAKE FOR GUNS. ERNEST C. MORTARTY, U. S. Army. Filed Apr. 16, 1919. Serial No. 290,596. 2 Claims. (Cl. 89-43.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



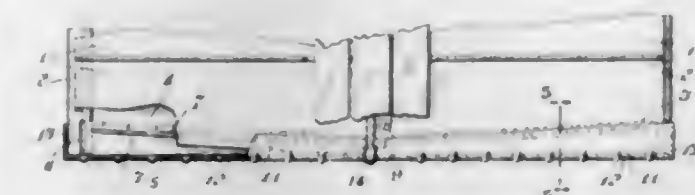
1. In a gun, recoil brake mechanism therefor, including a brake cylinder, a tubular guide mounted in the brake cylinder and extending forwardly thereof, a stuffing box carried by the tubular guide and an elongated piston mounted in the tubular guide for reciprocation through said stuffing box.

1,519,216. CHAIR. RALPH E. MURPHY, Topeka, Kans. Filed Mar. 26, 1924. Serial No. 701,800. 2 Claims. (Cl. 155-196.)



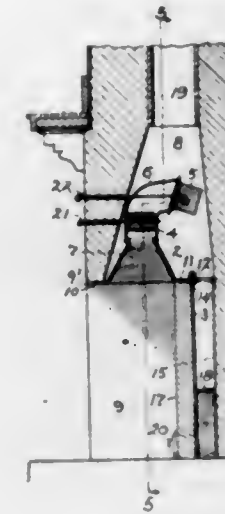
1. A chair having, in combination with front and rear legs, side rails connecting said legs on each side of the chair, said rails having upwardly and rearwardly extending grooves in their inner sides, and tie rods having their opposite ends anchored in the front and rear legs of the chair and lying in said grooves.

1,519,217. CAR ROOF. WALTER P. MURPHY, New York, N. Y. Filed Sept. 1, 1920. Serial No. 407,288. 9 Claims. (Cl. 108-5.8.)



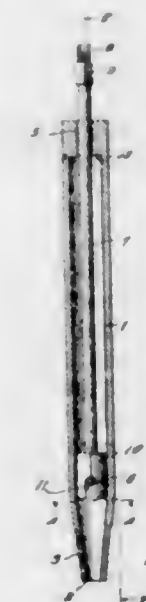
1. An end flashing for a car roof comprising sections having portions resting on the end portion of the car and flanges overhanging the end of the car, the portion of the flashing resting on the car being provided with a struck up rib extending substantially throughout its length.

1,519,218. OPEN FIREPLACE. GEORGE A. RICHEY, Urbana, Ohio. Filed Sept. 28, 1923. Serial No. 665,324. 4 Claims. (Cl. 126-120.)



1. A fire place or hearth having a smoke chamber, a throat member mounted within said chamber having a regulating updraft damper and a soot protecting damper, and a false rear wall providing a soot receiving compartment open to said chamber.

1,519,219. JAR FOR REMOVING STANDING VALVES. ALVA G. ROBERTS, Erie, Kans. Filed Oct. 24, 1923. Serial No. 670,567. 3 Claims. (Cl. 294-86.)

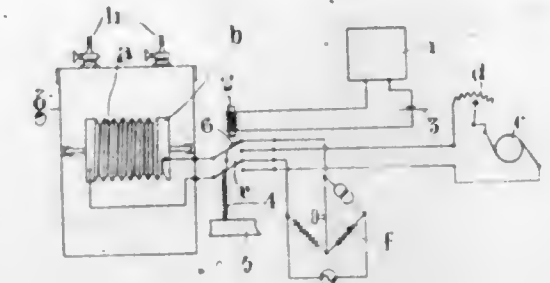


1. A jar for removing the standing valve of oil well apparatus, comprising a pipe having an externally threaded lower end, a plunger slidably mounted in the pipe, said plunger having a bifurcated plunger head, a pin extending transversely through and fixed in the lower end of the pipe over which the bifurcated end of the plunger head engages, means for preventing withdrawal of the plunger from the pipe, and means for attaching the upper end of the plunger to suitable operating means.

1,519,220. CONTINUOUSLY-LOADED CONDUCTOR. EUGEN SCHÜRRER, Cologne-Mulheim, Germany. Filed Aug. 6, 1923. Serial No. 656,135. 6 Claims. (Cl. 148-10.)

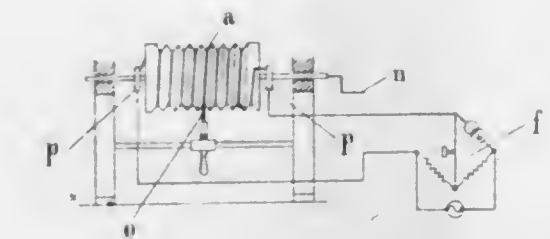
1. A process for producing equal values of self-inductance per unit of length of each length of manufacture of a continuously loaded conductor, consisting in

annealing the wound continuously loaded conductor to such extent that such values of permeability are obtained in each length of manufacture that in spite of the



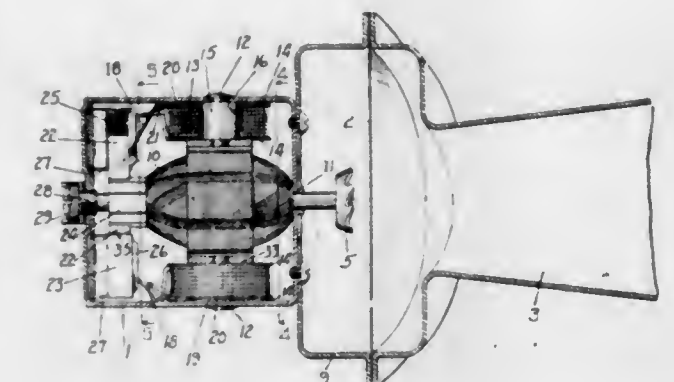
differences in the weight of the iron all the lengths of manufacture obtain the same value of self-inductance per unit of length.

1,519,221. CONTINUOUSLY-LOADED CONDUCTOR. EUGEN SCHÜRRER, Cologne-Mulheim, Germany. Original application filed Aug. 6, 1923. Serial No. 656,135. Divided and this application filed Oct. 21, 1924. Serial No. 745,043. 4 Claims. (Cl. 148-10.)



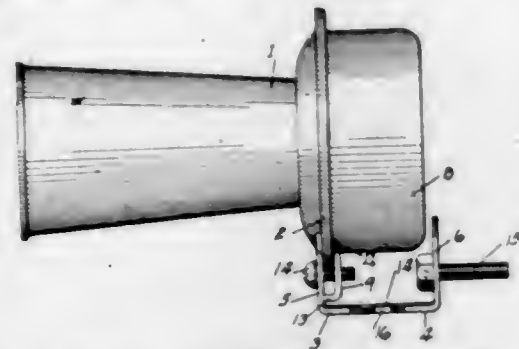
1. A process for producing equal values of self-inductance per unit of length of each length of manufacture of a continuously loaded conductor, consisting in annealing the conductor by a source of heat that is relatively moved to the conductor, conveying the annealing heat thereto from the outside and bringing each time only a comparatively short portion thereof to the annealing temperature, simultaneously measuring the self-inductance, and stopping the annealing at the moment when the desired value of the self-inductance is attained.

1,519,222. ELECTRIC MOTOR. GEORGE J. SEISS, Toledo, Ohio. Filed Mar. 1, 1923. Serial No. 622,018. 21 Claims. (Cl. 172-36.)



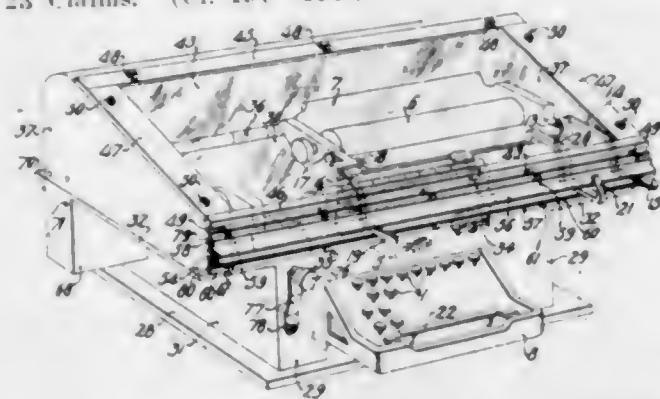
1. In an electric motor having field coils and field cores, insulating end discs for the field coils having openings formed therein for the field cores, serrated flanges extending around the openings of the insulating discs and dove-tailing with each other to substantially cover and electrically insulate the cores.

1,519,223. AUTOMOBILE HORN BRACKET. GEORGE J. SEISS, Toledo, Ohio. Filed Aug. 16, 1923. Serial No. 657,690. 2 Claims. (Cl. 248-20.)



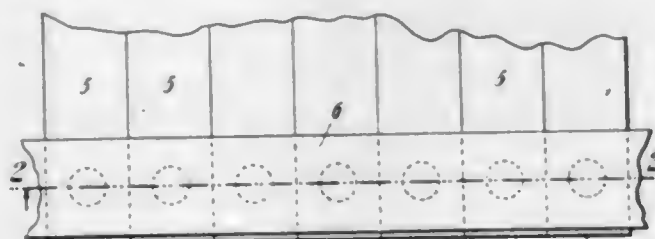
1. In a bracket for an automobile horn having a flange, a clamping member formed integral with the bracket, a second clamping member coacting with the first clamping member to clamp the flange of the horn, threaded members located outside of the flange for drawing the clamping members towards each other, and means for attaching the bracket to a part of the automobile.

1,519,224. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 10, 1920. Serial No. 429,617. 23 Claims. (Cl. 197-186.)



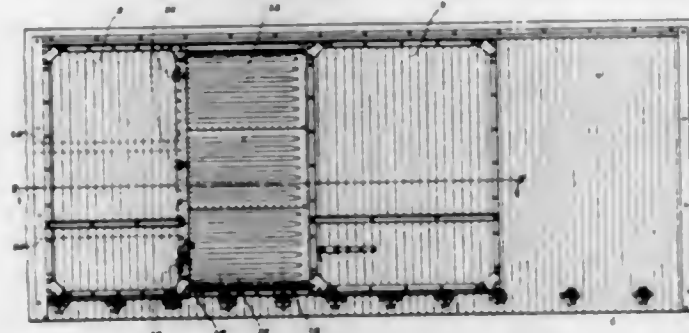
1. A typewriter machine having a paper-carriage and a front carriage-scale and enclosed in a sound-deadening casing, said casing comprising a lower portion and an openable cover portion, the cover provided with a transparency above and in front of said carriage and extending forwardly of said scale, the adjacent front edges of body portion and cover provided with locally flexible co-operative sealing lips both mounted below said scale, and a carriage-controlling finger-piece extending forwardly from said carriage and down in front of said scale and projecting forwardly between said lips.

1,519,225. CLAMPING DEVICE FOR STACKS OF SHEETS. JOHN WILLIAM TOWNSEND, New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed July 21, 1923. Serial No. 652,944. 4 Claims. (Cl. 164-51.)



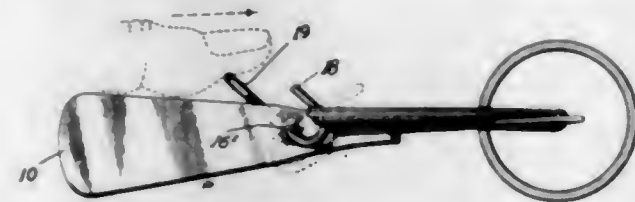
1. In a device of the character specified the combination of a rigid container having pockets therein, and a plug of yieldable material in each pocket in frictional engagement with the upper portion thereof, said plugs protruding from their respective pockets for engaging work to be clamped.

1,519,226. GRAIN DOOR. WILLIAM T. TYLER, Chicago, Ill. Filed Mar. 5, 1921. Serial No. 449,834. 5 Claims. (Cl. 20-31.)



1. In a double door or automobile box car, main and supplemental doors therefor, the door post adjacent the supplemental door comprising spaced apart members, a grain door having rollers near the bottom edge thereof, a track upon the car floor over which the door rollers travel and permitting the grain door to be moved between said door post members, said track having a longitudinal struck up portion to form a grain tight joint between the grain door bottom and the car floor, means upon the grain door preventing its withdrawal from between the door post members comprising a vertical flange adapted to engage one of the spaced apart members and form a grain tight joint therewith, and means upon the supplemental door adapted to engage and close the grain door therewith.

1,519,227. PUNCTURE-CLOSING DEVICE FOR TIRES. BENJAMIN URICH, Milwaukee, Wis. Filed Aug. 31, 1921. Serial No. 497,405. 5 Claims. (Cl. 152-27.)



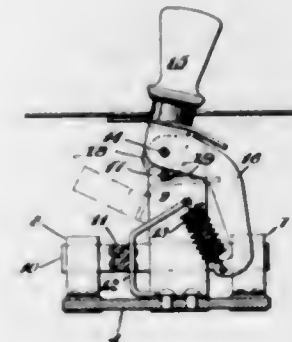
1. In a puncture closing device for tires, the combination of a handle and a needle, the latter being forked at its free end and provided with an eye by means of which it is attached to the handle, with a hook journaled in the handle and adapted to be held in operative position by an elastic band extending from the fork of the needle, and to be turned to disengage the elastic band from the hook.

1,519,228. TOOL FOR SLOTTING COMMUTATORS. WILLIAM L. WERER, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,360. 1 Claim. (Cl. 81-3.)



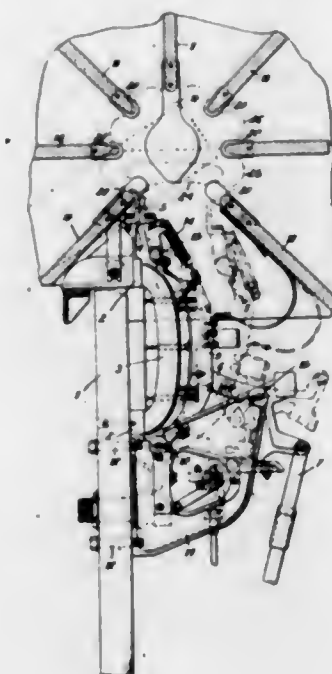
A tool for slotting commutators comprising a handle and a bar projecting therefrom, the extremity of said bar being triangular in cross-section and forming a beveled cutting point, said bar being reversely bent between its ends to dispose said cutting point toward said handle.

1,519,229. SNAP SWITCH. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 17, 1920. Serial No. 404,126. 5 Claims. (Cl. 200-67.)



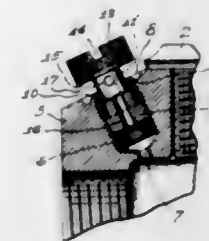
1. In a snap switch, a base, a frame, a movable contact member pivotally mounted on the base, a bracket secured to the movable contact member and provided with an outwardly extending portion, a handle pivotally supported in the frame and provided with an arm extending inwardly past the said outer portion of the bracket, and a spring interposed between the said arm and the outer portion of the bracket and adapted to maintain the bracket under tension.

1,519,230. CIRCUIT INTERRUPTER. CHRISTIAN AALBORG, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 10, 1918. Serial No. 244,261. 7 Claims. (Cl. 200-147.)



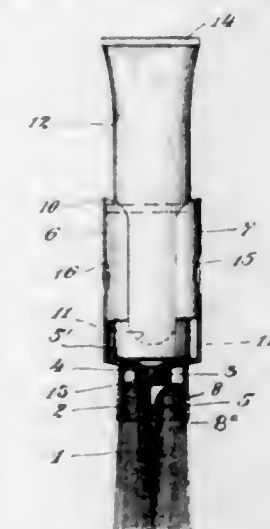
1. An arc-blow-out device for a circuit-interrupter comprising side walls, radial barriers disposed between the walls, and magnetic means disposed at the center of the device and on the barriers for directing the arc away from the walls.

1,519,231. STOP AND WASTE VALVE. OSCAR P. BENJAMIN, Detroit, Mich., assignor to Capitol Brass Works, Detroit, Mich., a Corporation of Michigan. Filed Dec. 23, 1922. Serial No. 608,632. 4 Claims. (Cl. 251-43.)



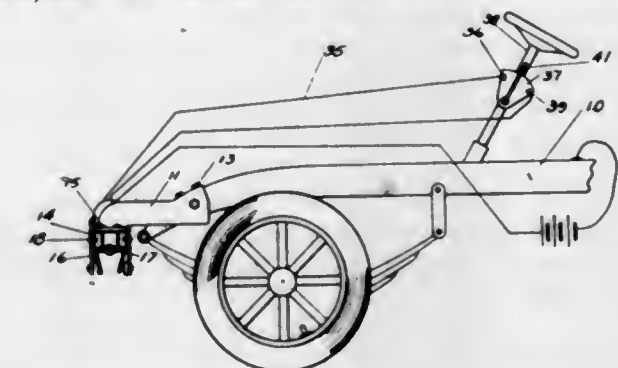
1. The combination of a globe valve having an enlargement, a relief valve having a stem adjustable in the enlargement of said globe valve, and means retaining said relief valve stem in the enlargement of said globe valve and affording an exterior seat for said relief valve.

1,519,232. BRUSH CONSTRUCTION. ROBERT S. BLAIR, Sound Beach, Conn. Filed May 9, 1919. Serial No. 295,878. 3 Claims. (Cl. 15-135.)



1. In a fountain shaving brush in combination, a brush member, a device secured thereto and having a passage, one portion of which is internally threaded and another portion of which terminates among the bristles at the bound end of the brush, supporting means comprising a pair of members fixed to said device and adapted to extend along the sides of a tube and serve as a handle for said brush, a collapsible tube having its nipple threaded within said passage and having its sides resting within the opposite members of said supporting means and held thereby against rotation, said members of said supporting means being spaced one from the other to permit said tube to be seized between the same.

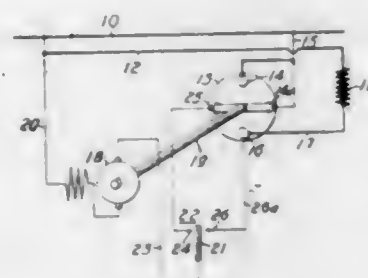
1,519,233. FENDER FOR VEHICLES. ROBERT S. BLAIR, Sound Beach, Conn. Filed Apr. 11, 1921. Serial No. 460,246. 16 Claims. (Cl. 293-10.)



1. In fender construction for motor vehicles, in combination, a fender comprising a plurality of pivotally mounted members and means adapted to positively en-

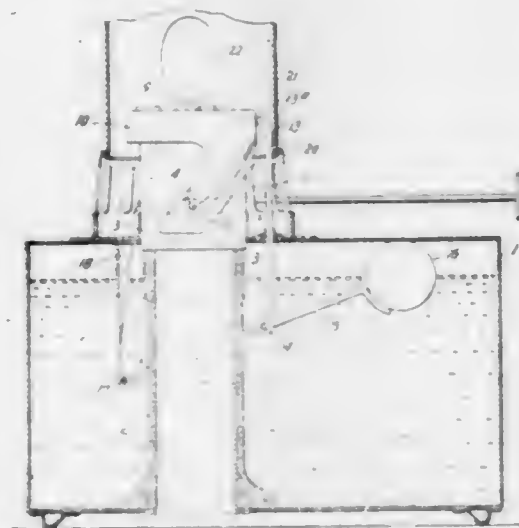
gage said members and swing said members simultaneously and substantially in the same plane into a position in advance of the wheel of the vehicle.

1,519,234. HEATER CONTROL. RUDOLPH A. BOLZE, Pleasantville, N. Y., and EARL W. DENMAN, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 2, 1919, Serial No. 328,033. Renewed Jan. 30, 1923. 9 Claims. (Cl. 219-20.)



1. In an electrical heating circuit, the combination with an energy-absorbing device and a supply circuit therefor, of a circuit interrupter therebetween, rotatable electrical means for closing and for opening the interrupter, and thermostatic means for controlling said means.

1,519,235. OIL LAMP. JAMES AYTON-BLAKE, London, England. Filed Apr. 3, 1923. Serial No. 629,626. 9 Claims. (Cl. 67-72.)

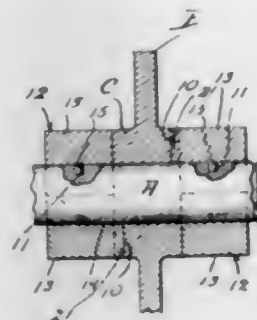


1. A lamp, comprising a liquid fuel reservoir, a wick holder therein, a movable flame controller located immediately over the upper end of the wick and provided with at least one flame opening, a float carrier movably mounted in the reservoir, a float on said carrier, and connections between the carrier and the controller for automatically moving the latter relatively to the wick end as the level of the fuel in the reservoir sinks, thereby to bring the flame opening in the controller opposite fresh portions of the wick end; substantially as described.

1,519,236. PULLEY-FASTENING DEVICE. DANIEL E. BERNIER, Piercefield, N. Y. Filed Dec. 5, 1923. Serial No. 678,687. 1 Claim. (Cl. 287-52.)

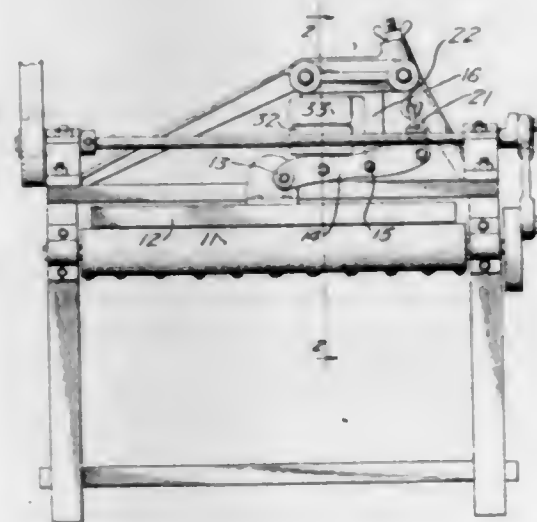
Means for securing an element upon a shaft, the element having a hub formed in its opposite faces with radial grooves comprising collars mounted on the shaft at opposite sides of the element, the collars being cylindrical in shape and extending as continuations of the hub of the element, the faces of the collars toward the

hub being formed with radial projections fitting conformingly within said grooves, pins projecting inwardly from the collars, the shaft having recesses receiving the



pins, each collar having its sections cut away to define flanges, and securing bolts passing through the flanges for holding the sections of the collars together.

1,519,237. VIBRATING SCREEN. NICHOLAS E. BROWN, Los Angeles, Calif., assignor to The Braun Corporation, a Corporation of California. Filed Sept. 5, 1922. Serial No. 586,113. 5 Claims. (Cl. 83-56.)

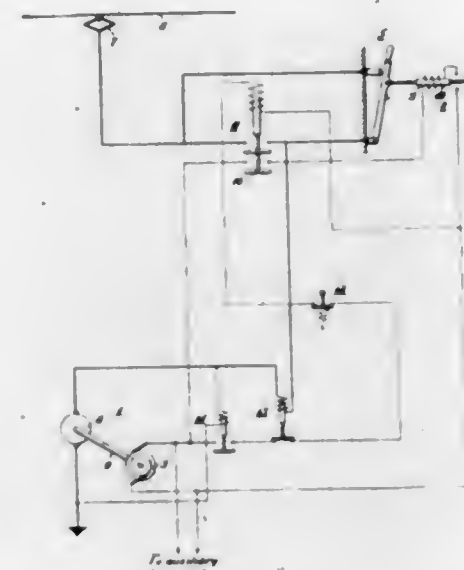


1. In a device of the character described, the combination of: a screen member; two armatures; means by which each armature vibrates the screen member; two magnets, one placed to attract one of said armatures and the other placed to attract the other of said armatures; two alternating current exciting coils, one placed upon one of said magnets and the other placed upon the other of said magnets; two direct current exciting coils, one placed upon one of said magnets and the other placed upon the other of said magnets; means for impressing an alternating electromotive force on each of said alternating current exciting coils; and means connecting said direct current exciting coils in series in such a relationship that the alternating electro-motive force induced, in one of said direct current exciting coils by the alternating magnetic flux established by its associated alternating current exciting coil is opposed in direction by the alternating electro-motive force induced in the other of said direct current exciting coils by the magnetic flux established by its associated alternating current exciting coil.

1,519,238. MOTOR-CONTROL SYSTEM. JOHN A. CLARKE, Jr., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 25, 1921. Serial No. 480,311. 7 Claims. (Cl. 172-179.)

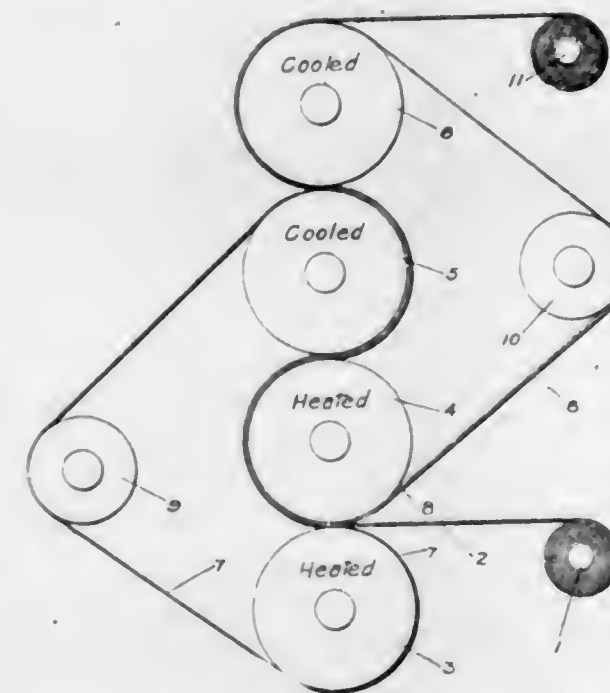
7. In a control system, the combination with a motor and a generator driven thereby, of a source of electrical

energy, a manually operable switch for connecting said motor to said source, a contactor having an actuating coil for maintaining said motor energized, said coil being



energized by said generator, and electrical means for actuating said manually operable switch after the closure of said contactor.

1,519,239. AIRPLANE-COVERING MATERIAL. NOBLE S. CLAY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 14, 1921. Serial No. 437,190. 7 Claims. (Cl. 154-46.)

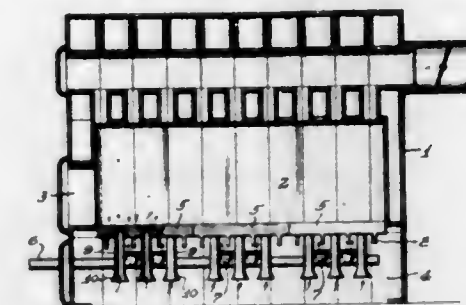


7. A method of molding an elongate body of fibrous sheet material which comprises passing sheet material treated with a solution of an inorganic salt and impregnated with a phenolic condensation product between the surfaces of a pair of endless guide belts co-operating with a series of pressure rolls, some of which are heated and others cooled.

1,519,240. GRATE. FREDERICK C. CRONIN and JEROME A. HOFFMAN, Detroit, Mich. Filed Apr. 15, 1922. Serial No. 552,855. 5 Claims. (Cl. 126-163.)

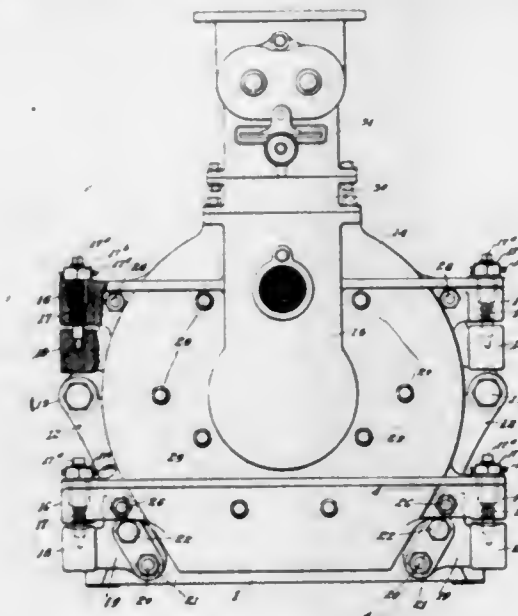
1. As a new article of manufacture, a fuel supporting grate member having a relatively thick wall provided with a group of diverging openings having the lower

ends thereof terminating between the upper and lower faces of said member, and a relatively thin wall air inlet conduit solely supported by its upper end fitting in



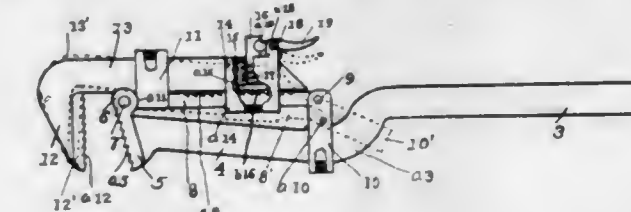
the lower face of said grate member in communication with the lower ends of the diverging openings of said member.

1,519,241. ATTRITION MILL. ALLAN P. DANIEL, Springfield, Ohio, assignor to The Bauer Brothers Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 554,109. 8 Claims. (Cl. 83-8.)



1. In a machine of the character described, a casing, a single grinding head supporting wall, means for hinging said wall to said casing whereby it may be opened at either side of said casing, and means for adjusting said wall vertically in its relation to said casing.

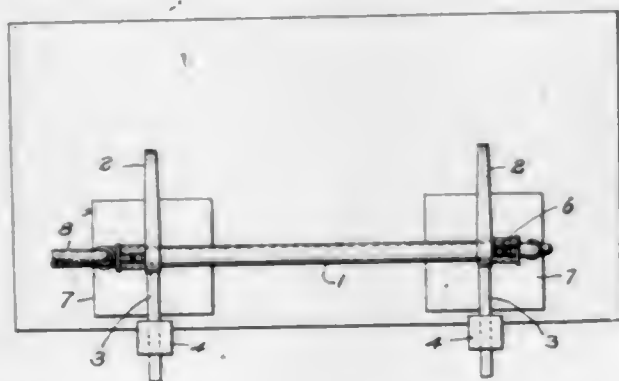
1,519,242. PIPE AND NUT WRENCH. WILLIAM A. DAY, Bellingham, Wash. Filed Oct. 8, 1923. Serial No. 667,215. 2 Claims. (Cl. 81-102.)



1. In a wrench in combination, a handle and a handle shank having a fixed jaw on the end thereof, slideways fastened to said handle shank, a loose jaw and a loose-jaw shank in the plane of said fixed-jaw shank when said jaws face each other in operative relation, a bar between said shanks retained in said slideways proximate to and parallel with said loose-jaw shank, reciprocal thereon, having ratchet teeth on its side next to said loose-jaw shank, one end of which is pivoted to said fixed jaw and the other end of which is pivoted to

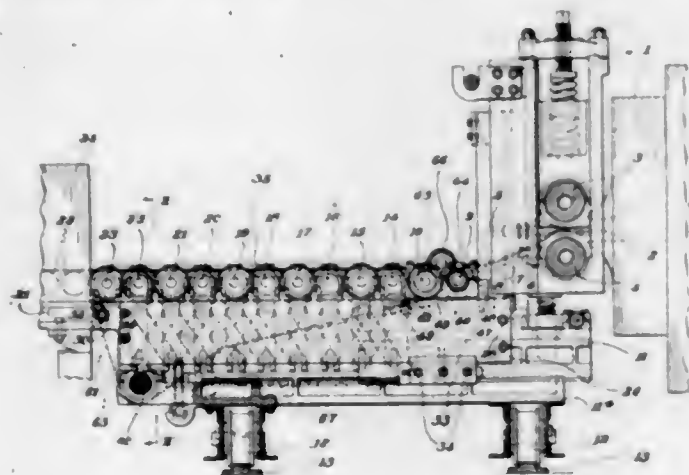
a loop, a loop pivoted to said bar and mounted on said handle shank whereby said jaws are retained in operable relation when said loop is normal to said bar but are allowed to separate a short distance when said loop is turned on said pivot to an oblique position relative to said bar, and a spring-pressed pawl mounted in said loose-jaw shank engageable with said ratchet teeth in said bar whereby said jaws are retained from separating but allowed to approach each other.

1,519,243. PROCESS AND APPARATUS FOR HANDLING GLASS SHEETS. GUSTAV EDWARD ERICSSON, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 5, 1923. Serial No. 678,605. 7 Claims. (Cl. 294-65.)



1. A process for lifting a sheet of glass from a horizontal position on a support and turning it over, which consists in engaging the sheet adjacent one edge thereof, lifting the sheet to an upright position by turning it about its opposite edge as an axis which remains in contact with said support, and lowering the sheet to horizontal position to bring uppermost the side of the sheet which was originally down, the sheet being supported in such lowering movement at its lower edge.

1,519,244. ROLLER TABLE FOR GLASS MACHINES. ALBERT E. EVANS, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Jan. 22, 1924. Serial No. 687,707. 3 Claims. (Cl. 49-33.)



3. The combination with means for continuously forming a ribbon of glass, and a leer in alignment therewith for receiving it, of an intermediate roller table, comprising a plurality of spaced rolls, a slideway extending under the series of rolls at each end, bearing members for the rolls slidably supported on the slideways, means for fixing the end bearing members with respect to the ribbon forming means and leer respectively, and lazy tong connecting means between the end bearing mem-

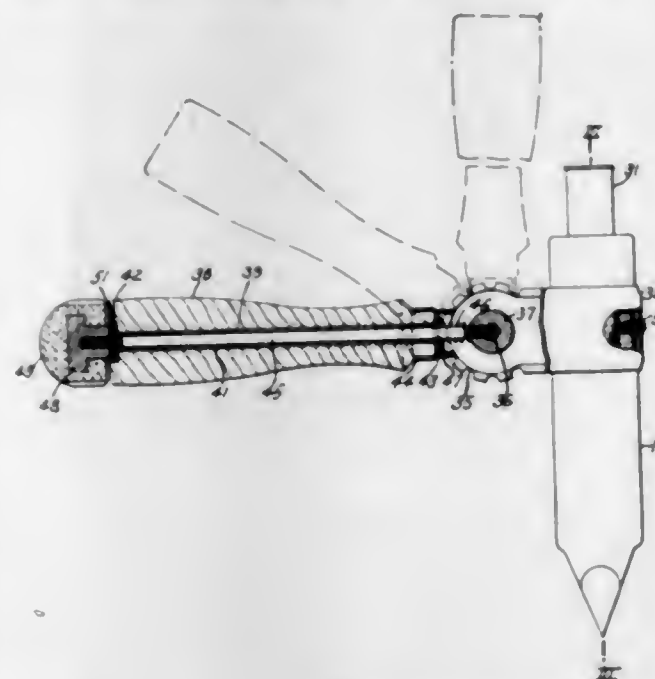
bers and the other bearing members whereby the spacing between the rolls carried by the bearing member is maintained uniform as the end bearing members are moved in and out.

1,519,245. CENTRIFUGAL FAN. CARL J. FECHHEIMER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 10, 1922. Serial No. 599,999. 11 Claims. (Cl. 230-11.)



1. A centrifugal impeller for impelling fluids, embodying a plurality of backwardly directed blades, each being inclined rearwardly at an angle approximately twenty-five degrees to a tangent thereof.

1,519,246. ELECTRIC SOLDERING IRON. FRANK F. FORSHEE, Flint, Mich., and JAMES C. WOODSON, Mansfield, Ohio, assignors to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Oct. 20, 1921. Serial No. 509,065. 8 Claims. (Cl. 219-26.)

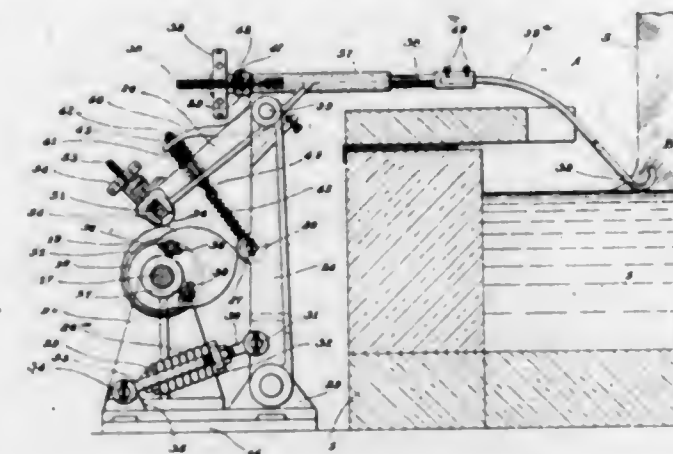


1. In an electrically heated soldering iron, the combination with a combined casing and soldering tip, of a removable unitary structure comprising resistance wire heating element, a plurality of contact terminals, an insulating bushing for maintaining said terminals in operative spaced relation relatively to each other, a tubular casing for said heating element and a cover for said insulating bushing operatively engaging said casing.

1,519,247. EDGE HOLDING DEVICE FOR SHEET GLASS. JOHN H. FOX and JOSEPH H. REDSHAW, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 30, 1923. Serial No. 677,655. 7 Claims. (Cl. 49-17.)

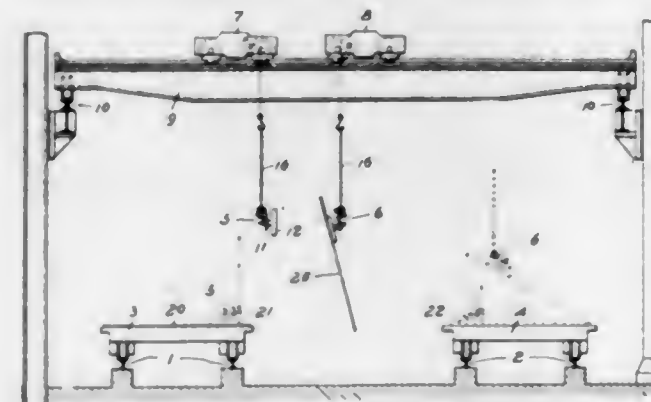
7. In combination with apparatus for drawing a glass sheet from a molten bath, a lever arm mounted for swinging movement toward and from the sheet in a vertical plane, a second lever mounted on the first lever transversely thereof for swinging movement also in a vertical plane, a pair of fingers spaced apart to straddle the edge of the sheet and carried by said second lever, a cam

for swinging each lever, a pair of screw adjustments, including threaded stems and hand wheels carried by the second lever, one for moving the fingers toward and



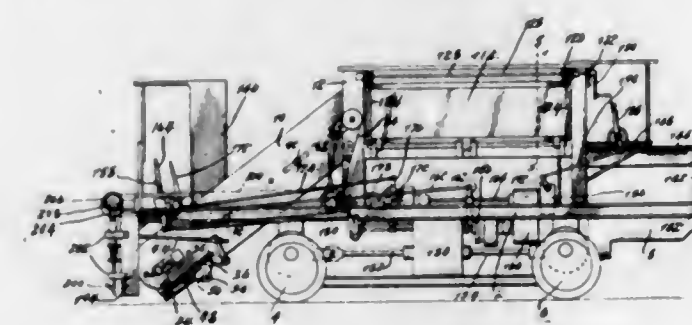
from the sheet, and the other for swinging it about its support on the first lever, and means for rotating the cams.

1,519,248. PROCESS AND APPARATUS FOR HANDLING GLASS PLATES. JOHN H. FOX, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 8, 1923. Serial No. 679,349. 3 Claims. (Cl. 214-87.)



1. In combination in apparatus for transferring a glass sheet from one car or carrier to another car or carrier and turning it upside down, which comprises a pair of vacuum lifting frames supported from above so that they may be given a movement of approach and also moved laterally over the tables, and means for raising and lowering the frames, each frame being pivotally supported so that it may face either downwardly or laterally.

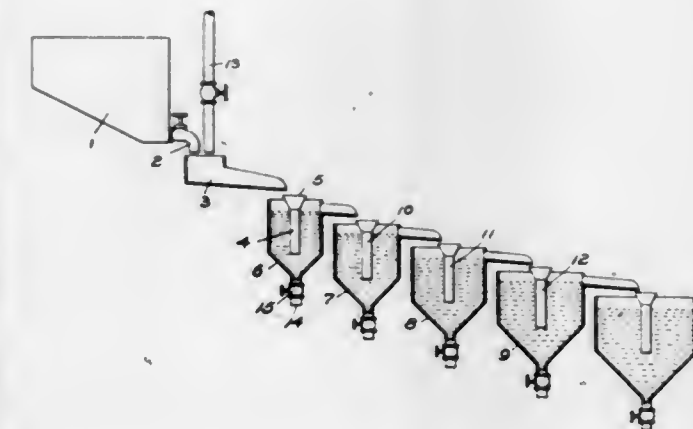
1,519,249. SNOW GATHERING AND LOADING MACHINE. SAMUEL FRIEDMAN, New York, N. Y. Filed Sept. 2, 1920. Serial No. 407,645. 22 Claims. (Cl. 37-5.)



1. In a machine of the class described, endless inclined conveyors having blades arranged to cut down through and sever from the mass portions of snow coming into

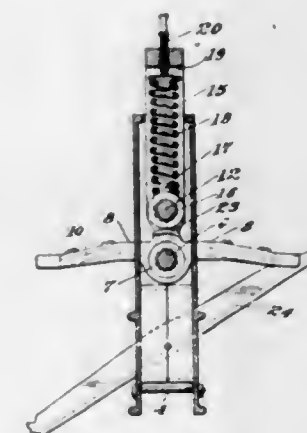
the field of operation of said conveyors and to elevate said snow, and means for simultaneously operating said conveyors in out-of-step relation to each other.

1,519,250. PROCESS FOR GRADING ABRASIVES. FREDERICK GELSTHAFF, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 23, 1921. Serial No. 479,855. 3 Claims. (Cl. 83-84.)



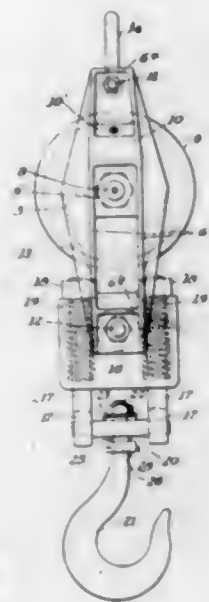
1. The process of grading inorganic abrasives consisting in subjecting a mass of abrasive to a liquid flow in the presence of a deflocculating agent and collecting separate size grades of the abrasive as suspended thereby, the grains of the different grades being of substantially the same composition.

1,519,251. CLOTHES WRINGER. JOHN N. GOULD, Fredericktown, Ohio, assignor to The J. B. Foote Foundry Company, Fredericktown, Ohio, a Corporation of Ohio. Filed Sept. 2, 1921. Serial No. 497,904. 3 Claims. (Cl. 68-32.)



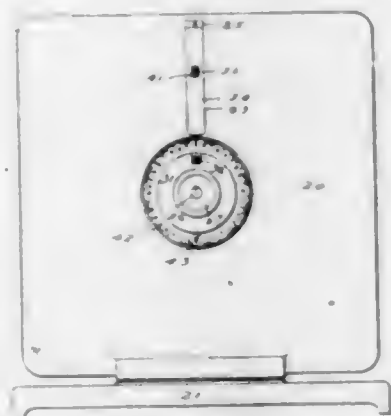
1. In a wringer of the character described, a main frame having end housings, a stationary roll having its shaft carried in the walls of said housing, a movable roll also having its shaft carried in the walls of said housing, a spring cage located in each housing with a spring between the upper end thereof and the shaft of the movable roll, a pivoted feed board arranged on the shaft of the stationary roll, and interengaging parts between said feed board and said cages for confining said cages against movement when said board is in normal working position and releasing said cages when said board is tilted out of normal position.

1,519,252. TRAVELING BLOCK. EDGAR E. GREVE, Bellevue, Pa. Filed Mar. 13, 1922. Serial No. 543,190. 12 Claims. (Cl. 254-192.)



1. A block including a frame, a sheave in the frame, a clevis carrying member pivotally carried by the frame, and a clevis resiliently connected with said carrying means.

1,519,253. APPARATUS FOR COMPUTING INTEREST. THEODORE B. HARPER, Hartford, Conn. Filed Apr. 9, 1923. Serial No. 630,720. 16 Claims. (Cl. 235-88.)

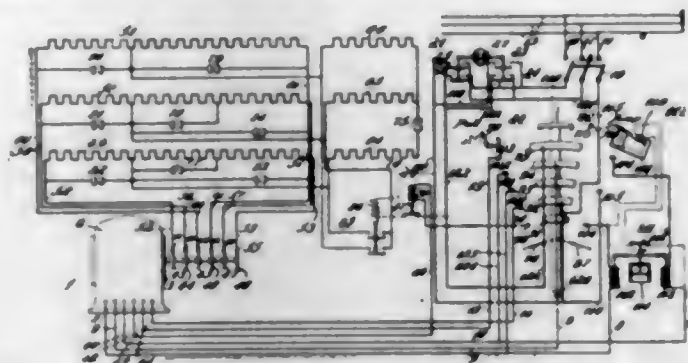


1. An apparatus for calculating accrued interest on bonds comprising a casing having a vision window therein, a calculating table having accrued interest calculations thereon, a disk having windows therein of smaller dimension than the vision window in the casing, a second disk having windows therein of smaller dimension than the windows in said first disk, means for setting said disks relatively for determining the accrued interest at a given month, means for shifting the calculating table for positioning the accrued interest amount for a given day in said month, and means for shifting the disks having windows therein and relative to the vision window for exposing the calculated interest on a bond of a given rate and payable on a given day.

1,519,254. CONTROL SYSTEM. WALTER L. HARTZELL and GEORGE W. HUEY, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 18, 1920. Serial No. 417,623. 7 Claims. (Cl. 172-274.)

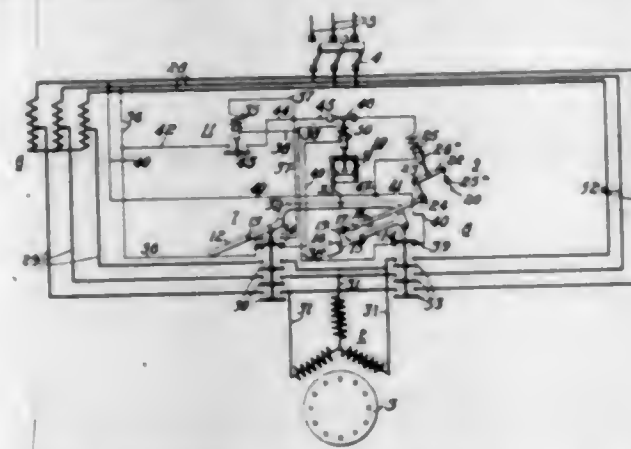
5. The combination with an electric motor having a plurality of phase windings, of a circuit interrupter for connecting said windings for normal operating conditions and for connecting said windings to secure greater torque

under predetermined operating conditions, means for automatically opening said circuit interrupter upon a change in current in said windings during normal op-



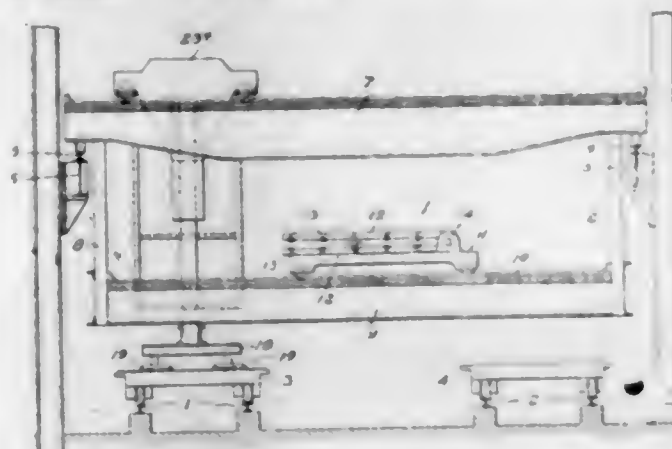
erating conditions, and means for maintaining said circuit interrupter unresponsive to the electrical conditions of said windings under said predetermined operating conditions.

1,519,255. MOTOR-CONTROL SYSTEM. ALBERT L. HARVEY, Wilkesburg, and DAVID H. HUNTER, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 9, 1920. Serial No. 415,816. Renewed May 14, 1924. 9 Claims. (Cl. 172-179.)



1. The combination with a dynamo-electric machine and a plurality of manually actuated switches, of means for preventing said switches from being closed simultaneously, and means for limiting the time for closing one switch after opening another switch.

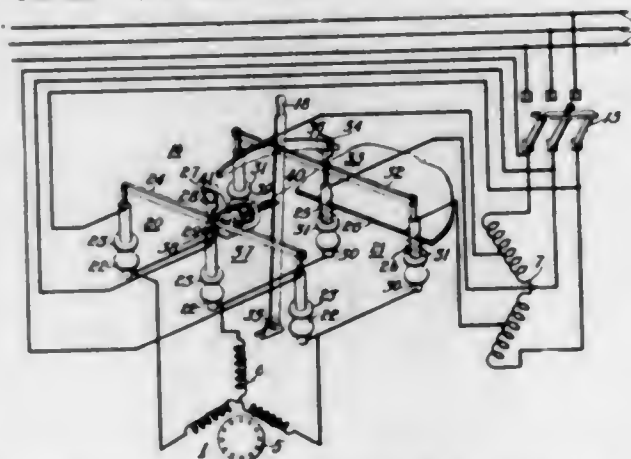
1,519,256. PLATE-GLASS-TRANSFER APPARATUS. HERMAN S. HEICHERT, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 5, 1923. Serial No. 678,600. 6 Claims. (Cl. 214-87.)



1. In combination in apparatus for transferring glass sheets from one car or carrier mounted on a track to another car or carrier on a parallel track to one side of the first track and turning it over, which comprises a vacuum lifting frame, a U shaped turnover frame adapt-

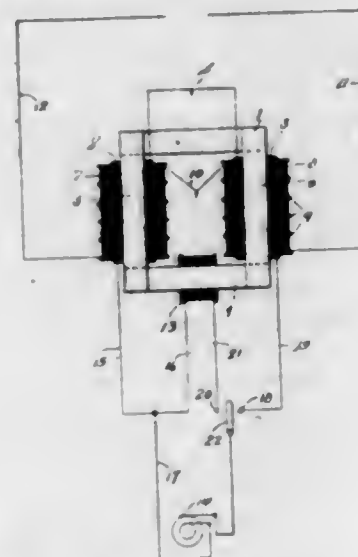
ed to receive the sheet to be transferred through its open side, when such sheet is lifted by the vacuum frame and such frame and the turnover frame are given a relative lateral movement, and overhead means for raising and lowering the vacuum frame and for shifting such frame from a position over one track to a position over the other track.

1,519,257. MOTOR-CONTROL SYSTEM. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1920. Serial No. 350,203. 5 Claims. (Cl. 200-18.)



3. A switching device comprising a contactor biased to its closed position and having an apertured supporting arm, and an operating handle having an arm normally free of said aperture and adapted to enter the aperture of said supporting arm to open said contactor.

1,519,258. TRANSFORMER. WILLIAM G. HETICH, Chicago, Ill., assignor to Standard X-Ray Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1920. Serial No. 353,321. 5 Claims. (Cl. 175-356.)

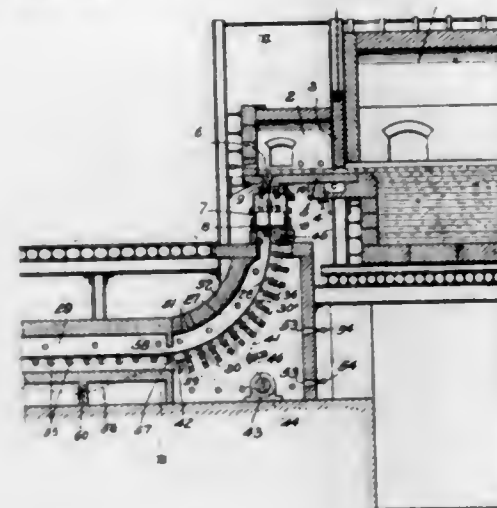


1. A transformer having a secondary winding, and a pair of primary windings associated therewith, one primary being associated with the secondary so that the ratio between effective and leakage fluxes remain substantially constant over a wide variation in secondary circuit resistance and the other primary being associated with the secondary so that the ratio between effective and leakage fluxes varies materially over a relatively narrow range of secondary circuit resistance.

1,519,259. PROCESS AND APPARATUS FOR MAKING SHEET GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed Dec. 12, 1922. Serial No. 606,388. 8 Claims. (Cl. 49-3.)

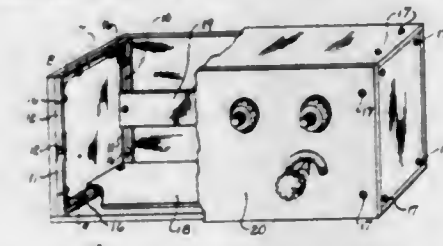
3. In apparatus for forming sheet glass, a glass container adapted to carry a bath of glass therein provided with a refractory bottom with an outlet slot there-

through, a pair of rolls adjacent said slot, means for cooling the rolls, and a curved guideway below the rolls for receiving the sheet formed between the rolls and carrying it laterally, the said guideway being positioned such a distance below the rolls that the surface of the sheet may harden beyond the marring point before it reaches said guideway.



5. The process of forming a continuous glass sheet or ribbon which consists in flowing it vertically from a bath of molten glass, passing the sheet through a cooling aperture to reduce it to a uniform thickness, permitting the glass to stretch of its own weight and engaging the sheet after it has hardened beyond the marring point and guiding it laterally into a lehr.

1,519,260. RADIOCABINET. EDWIN JAY QUINBY, New York, N. Y., assignor, by direct and mesne assignments, to Quinby Radio Frame Corporation. Filed Dec. 29, 1923. Serial No. 683,518. 1 Claim. (Cl. 217-12.)



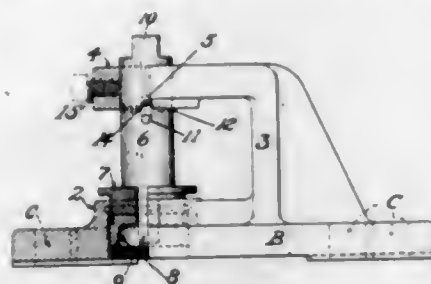
In a radio cabinet, end pieces consisting of top and bottom members having arms adjustably secured to each other combined with side and bottom strips connecting the said end pieces and holding the same in operative position.

1,519,261. PIPE KEY FOR TOBACCO PIPES. CASIUS WELLS RANNEY, New Castle, Pa. Filed Feb. 5, 1923. Serial No. 617,161. 3 Claims. (Cl. 131-13.)



1. A pipe cleaner of the character described, having a shank portion, a connecting plate located at the lower end of the shank, and a bowl cleaner and scraper located at the lower end of the said connecting plate.

1,519,262. CRANK BASE FOR RAILWAY SIGNAL APPARATUS. FRED RAFF, West Albany, N. Y. Filed Nov. 14, 1923. Serial No. 674,679½. 3 Claims. (Cl. 246—393.)



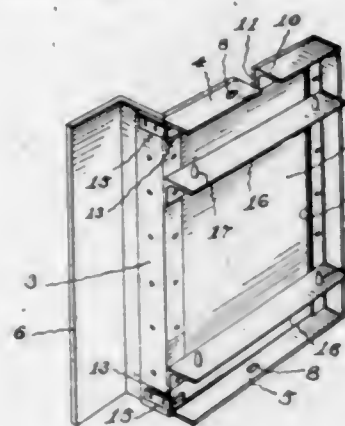
1. In a crank base for railway signal apparatus: a base adapted to be attached to a foundation, a vertical threaded opening therein; in said threaded opening a threaded bushing, with a slotted hole substantially central therein; a bearing pin the bottom end thereof shaped to fit into said slotted opening, and an upper bearing for said pin said bearing spaced above and supported from said base.

1,519,263. INTERLOCK FOR SWITCHES. ERNEST K. READ, Wilkesburg, and CLARENCE A. JOHNSON, Larimer, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 26, 1920. Serial No. 426,462. 9 Claims. (Cl. 74—83.)



1. In combination, in an interlocking device, a starting switch lever and a running switch lever, means whereby the running switch lever is held against closing until after the starting switch lever has been advanced and retracted, and means for retarding the advancement of the running switch handle for an appreciable period of time after the starting switch handle has been advanced.

1,519,264. FORM FOR PROVIDING OPENINGS IN PLASTIC WALLS. AUGUST F. REICHERT, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis. Filed Mar. 2, 1920. Serial No. 362,689. 6 Claims. (Cl. 25—124.)



1. A form of the character described, including a series of similar and interchangeable units which are adapted to be correspondingly positioned at opposite sides of the opening to be formed in the wall, corresponding transverse flanges projecting from the units, spacer plates connecting the units, and means for detachably connecting the spacer plates to the flanges at a plurality of places, whereby the units are held the proper distance apart, and also in the proper angular

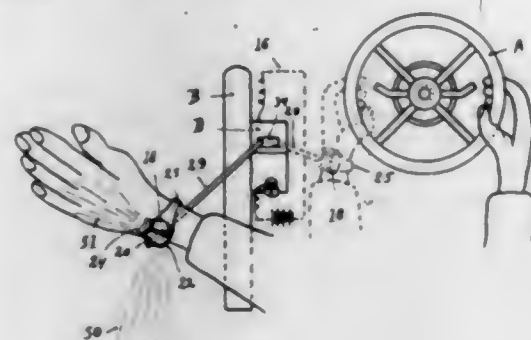
relation to each other, said fastening means including a plurality of pins carried by one of the members and adapted to detachably engage corresponding openings in the other member.

1,519,265. LADY'S UNDERGARMENT. ELIA L. ROBERTS, Los Angeles, Calif. Filed July 2, 1921. Serial No. 482,218. 1 Claim. (Cl. 2—73.)



A lady's undergarment comprising a front portion having its lower edge inclined downwardly from the sides, a continuing strip in the center thereof, diagonal portions attached to said lower edge on opposite sides of the center, an upper back portion attached to said front portion at the sides and terminating in a substantially horizontal line at the waist, a central back portion attached to the lower edge of the upper back portion and having its lower edge inclined downwardly to the center and continuing in said central strip attached to said front portion, diagonal portions attached on opposite sides to the lower edge of said central back portion and attached to the diagonal portions on the front of the sides, leg openings being provided in said diagonal portions on opposite sides of said central strip, and a plait formed in said central back portion intermediate the sides, closed at the top and open at the bottom to provide fullness between the leg portions.

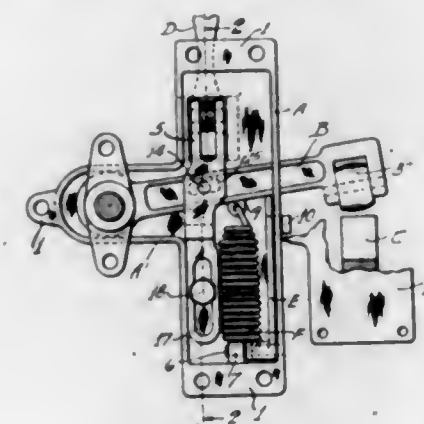
1,519,266. SIGNAL LAMP. MILLARD F. ROEBLING, Cincinnati, Ohio. Filed Sept. 2, 1919. Serial No. 321,215. 6 Claims. (Cl. 177—329.)



1. A signal apparatus comprising a portable signal lamp, a lamp cord, a winding drum under tension on which said lamp cord is wound, an electric circuit in which said lamp and cord are included, and a switch lever to open and close said circuit, said switch lever

being engaged by said lamp cord and automatically actuated by movement of said lamp cord due to shifting the position of said lamp from one side to the other relative to said switch lever.

1,519,267. REFRIGERATOR LOCK. ADOLPH RUBIN, St. Louis, Mo., assignor to Sieber Products Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 18, 1922. Serial No. 607,723. 10 Claims. (Cl. 292—336.)

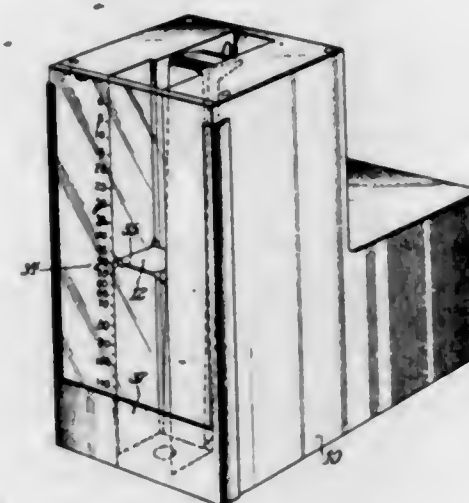


3. A refrigerator lock, comprising a pivottally mounted latch that is adapted to co-operate with a keeper to retain the refrigerator door in its closed position, a casing that carries said latch, a pivottally mounted handle on the casing, a rigid link pivottally connected to said latch and handle for disengaging the latch from the keeper preparatory to opening the door, and a spring-actuated means arranged inside of said casing for maintaining the latch in a certain position when the refrigerator door is open.

1,519,268. COMPOSITION FOR USE IN AUTOMOBILE TIRE CASINGS. CHARLES W. SCHNELL, Fresno, Calif. Filed Sept. 4, 1920. Serial No. 408,148. 2 Claims. (Cl. 87—9.)

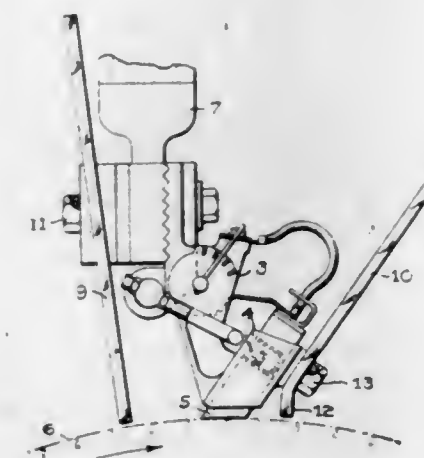
1. A composition of matter for employment in the casings of automobile tires, the said composition comprising powdered graphite, powdered mica and lampblack.

1,519,269. COMBINED FLOW METER AND SPEEDOMETER. RUDOLPH W. SCHROEDER, Chicago, Ill. Filed July 23, 1921. Serial No. 486,989. Renewed Oct. 30, 1922. Serial No. 598,014. 20 Claims. (Cl. 235—1.)



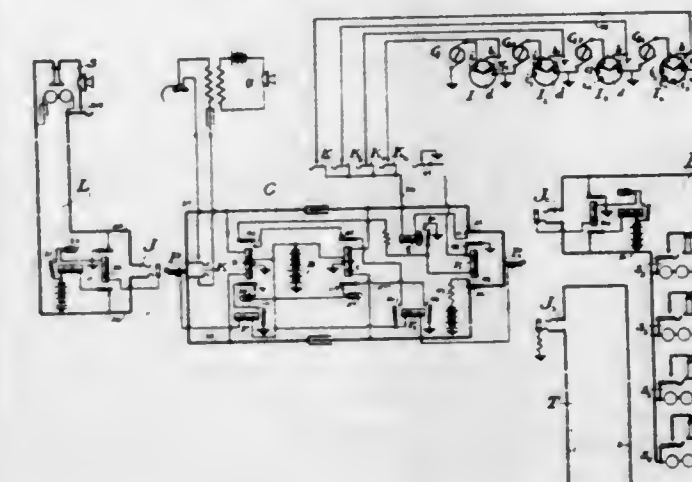
1. The combination with a flow meter, of a speed-controlled device for varying the operation of said flow meter.

1,519,270. ARC BARRIER FOR DYNAMO-ELECTRIC MACHINES. ERROL B. SHAND, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,813. 7 Claims. (Cl. 171—321.)



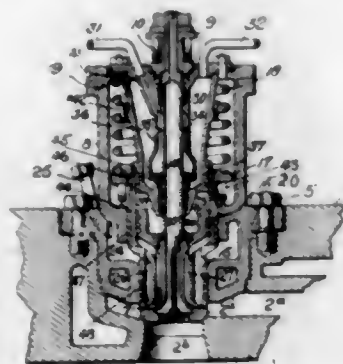
1. In combination, a commutator cylinder, a set of brushes adapted to co-operate therewith, and an arc barrier disposed on each side of said set of brushes, both of said barriers being inclined to such degree that the ends of said barriers adjacent to the commutator cylinder are in proximity to the set of brushes and the opposite ends thereof are relatively far apart.

1,519,271. TELEPHONY. FRANK M. SLOUGH, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 3, 1917. Serial No. 184,252. 22 Claims. (Cl. 179—35.)



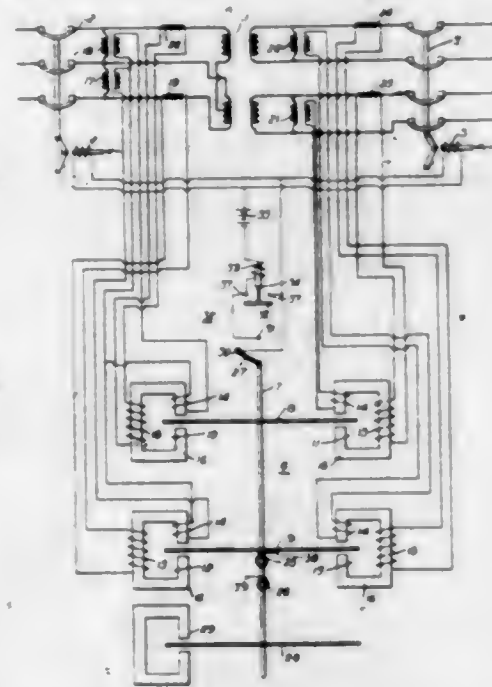
19. In a telephone system, a plurality of exchanges, party lines terminating in one of said exchanges, telephone lines terminating in a second exchange, means for extending a telephone connection from one of said telephone lines through said exchanges to a wanted party line, a plurality of sources of ringing current at said first mentioned exchange to selectively signal a wanted party on the selected party lines, other sources of current of different character, a plurality of impulse sending devices at the second exchange cooperating with said other sources of current to select ringing current of the proper characteristics to signal the wanted party, and key controlled means to select the proper impulse sending device.

1,519,272. MERCURY-COOLED TRANSFER VALVE. EMMER A. SPERRY, Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del., a Corporation of Delaware. Filed Apr. 14, 1919. Serial No. 290,059. 16 Claims. (Cl. 123-177.)



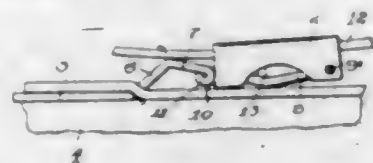
1. In combination, a valve head and a stem therefor, said stem being hollow, means within said stem for transferring heat from the head to a remote part of the stem by evaporation and condensation, and a water jacketed guide surrounding said remote part.

1,519,273. RELAY. SEVERN D. SPRONG, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 11, 1919. Serial No. 281,919. 20 Claims. (Cl. 175-204.)



14 A protective relay for a translating device comprising an element responsive to the power of input of the device, an element responsive to the power output of the device and means controlled in accordance with the difference of the degrees of responsiveness of the two elements.

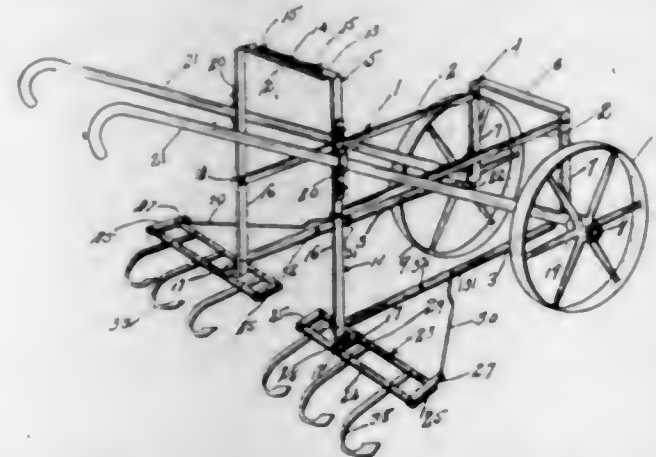
1,519,274. BUCKLE. CHARLES E. STURGIS, Rochester, N. Y. Filed Jan. 3, 1922. Serial No. 526,568. 2 Claims. (Cl. 24-170.)



2. A buckle comprising an anchoring member, a front member, having side flanges lying on opposite sides of the anchoring member and having the latter pivotally connected thereto, said side flanges having the extreme

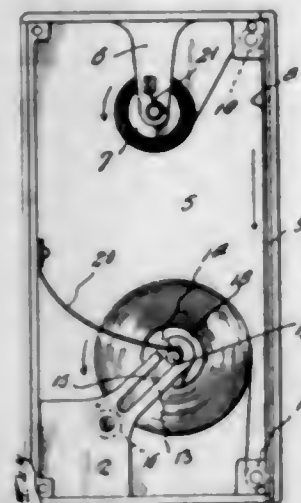
edges thereof cut to form shoulders, and means on the anchoring member arranged to engage said shoulders to hold the front member in cooperative relation with the anchoring member, said means being in the form of off-set portions extending outwardly from the anchoring portion beyond the ends of the flanges, said off-set portions being resilient, so as to engage said shoulders.

1,519,275. WHEELED CULTIVATOR. JOHN B. SWAN, Denver, Colo., assignor of one-half to Louis Csemiczky, Denver, Colo. Filed Dec. 13, 1921. Serial No. 522,025. 1 Claim. (Cl. 97-59.)



A wheeled cultivator comprising in combination, a frame consisting of a front arch and a rear arch secured together at each side by an upper and a lower side bar, the lower extremities of said front arch being carried in wheels and the lower extremities of said rear arch being turned at an angle; cultivator frames, carrying cultivator plows, pivoted to said angularly turned portions of said rear arch and links secured to each of said cultivator frames at their one extremity and adjustably engaging said lower side bars at their other extremity.

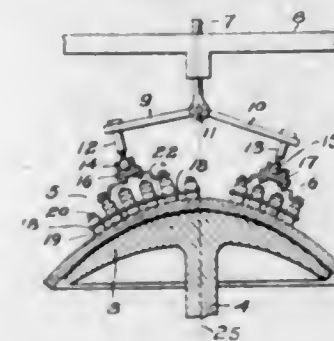
1,519,276. ROAD-MAP EXHIBITOR. WALTER R. TAVERNETT, Salinas, Calif. Filed Aug. 11, 1923. Serial No. 656,883. 1 Claim. (Cl. 40-42.)



In a double reel and web road map exhibitor, a casing of substantially rectangular form having a front wall provided with a transparent panel through which the map is to be viewed, a pair of bearing brackets depending from and supported by the top of said casing, a reel journaled in said brackets and adapted to initially receive the map thereon, means for frictionally resisting unwinding movement of said reel, guide rollers at the top and bottom of said casing directly behind said transparent panel and about which the map is adapted to be led from the said reel, a pair of spaced bearing brackets rigidly mounted in the bottom of the casing and having a driving roller journaled therein, means for driving

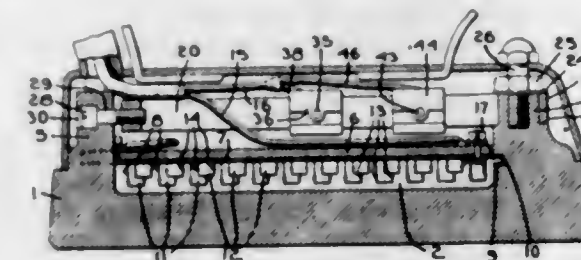
of said roller, arms projecting upwardly from the last named bearing bracket and having longitudinally elongated slots aligned with the shaft of the driving roller, a receiving reel having a shaft with its ends disposed in elongated slots of the bracket arms whereby the receiving reel is free to move toward the driving roller, and yieldable means associated with the ends of the shaft of the receiving reel for urging the latter toward said driving roller, whereby the portion of the map wound upon the receiving reel is in driving contact with the periphery of said driving roller.

1,519,277. PROCESS OF MAKING GLASS BLANKS FOR PARABOLIC REFLECTORS. WILLIAM H. TAYLOR, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 3, 1922. Serial No. 566,200. 4 Claims. (Cl. 40-79.)



4. The process of making glass blanks for parabolic reflectors, which consists in regrounding the surface of a sheet of plate glass to reduce such surface to a plane, bending the plate so that the reground face of the plate becomes the convex face of the bent blank and so that such convex face is of the exact parabolic contour desired, and then surfacing such convex face using said face as thus secured as a guide and maintaining the curvature substantially the same during the surfacing.

1,519,278. SUPPORTING BASE FOR HEATING UNITS OF FLATIRONS AND OTHER HEATERS. WILFRIED J. TURENNE, Danvers, Mass. Original application filed Aug. 9, 1921. Serial No. 491,051. Divided and this application filed June 9, 1922. Serial No. 567,097. Renewed Apr. 22, 1924. 9 Claims. (Cl. 210-25.)

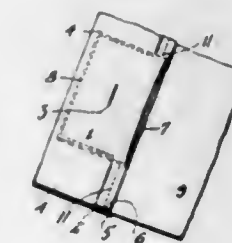


4. An electric heater comprising a supporting plate having an enameled heat-reflecting surface and provided with enameled tabs projecting therefrom presenting insulated supports and a heating unit wire mounted on said tabs.

1,519,279. NECKBAND. JOHN M. VAN HEUSEN, Boston, Mass. Filed Oct. 4, 1922. Serial No. 592,335. 6 Claims. (Cl. 2-127.)

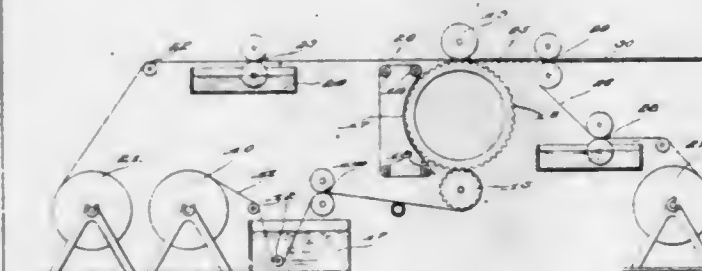
1. A shirt provided with a fabric neckband having an inner and an outer flange at the bottom forming a divided edge and having also, at the back buttonhole portion, a pocket formed by the separate layers of the said neckband; an additional piece of fabric between the two

layers of the pocket, said additional piece of fabric being secured along a portion of its edge to at least one of the said two layers but leaving its lower edge unattached and in substantial alignment with the lower edge of the neckband; the upper edge of the shirt fabric overlying the inner flange of said divided edge, and the additional piece of fabric overlying the upper edge of the shirt fabric at the back buttonhole portion; a row of stitches securing together the shirt fabric, the inner



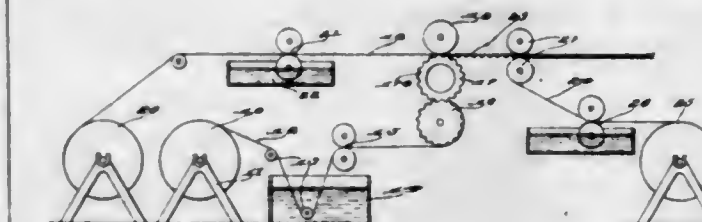
flange of the divided edge and the additional piece of fabric; the outer flange of the divided edge overlying the upper edge of the shirt fabric and the additional piece of fabric; and a second row of stitches extending the length of the outer flange of the divided edge, except at the back buttonhole portion, and securing together the outer and inner flanges of the divided edge and the shirt fabric, but leaving the outer flange unattached at the pocket.

1,519,280. METHOD AND APPARATUS FOR THE MANUFACTURE OF CORRUGATED BOARD. KURT WANDEL, New York, N. Y. Filed Jan. 14, 1922. Serial No. 529,138. 4 Claims. (Cl. 154-33.)



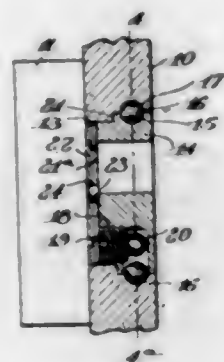
2. The herein described method which consists in softening a paper web by saturation with moisture, corrugating the web, drying the web by relatively long contact with a heated element of the corrugating means, and pressing the dried web into contact with asphalt coated surfaces of two facing webs at the respective sides of the corrugated web in a continuous sequence of operative steps.

1,519,281. MANUFACTURE OF CORRUGATED PAPER BOARD. KURT WANDEL, New York, N. Y. Filed Jan. 14, 1922. Serial No. 529,139. 4 Claims. (Cl. 154-33.)



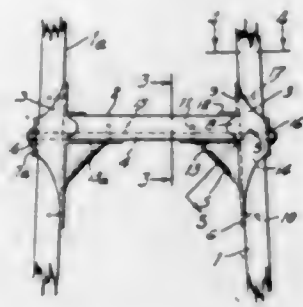
2. The herein described method which consists in rendering a web of paper board temporarily soft and pliable by treating the same with oil, corrugating the softened board, and immediately thereafter pressing the corrugated board upon a facing web coated with asphalt.

1,519,282. LOCK. EUGENE R. WEBER, Rochester, N. Y., assignor to Sargeant & Greenleaf Inc., Rochester, N. Y., a Corporation of New York. Filed June 18, 1922. Serial No. 568,832. 8 Claims. (Cl. 70-46.)



1. The combination of a lock provided with rotary plug means, supporting means to which the lock is attached having an opening therein in which said plug means is received, and a securing device comprising an arcuate channel on one of said means and a part engaging the other and projecting into said channel for preventing forcible displacement of the plug means.

1,519,283. LADDER SUPPORT. GEORGE D. WERNLI and WILLARD M. WEBSTER, Los Angeles, Calif. Filed Feb. 13, 1924. Serial No. 692,515. 3 Claims. (Cl. 228-58.)



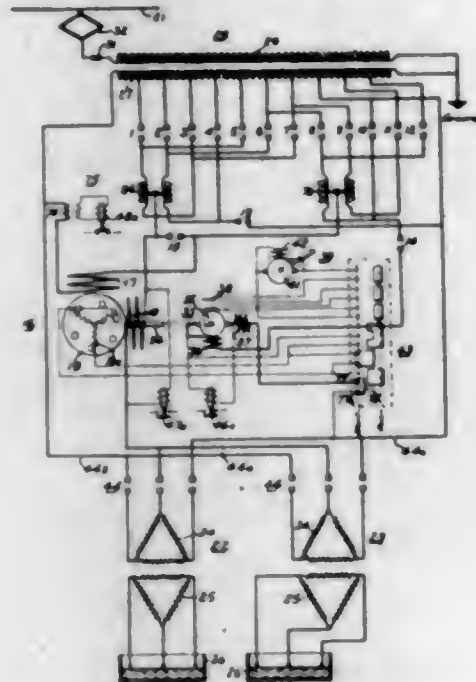
1. A device as described, for securing a step to the side rail of a ladder, comprising a clip formed with a lower flange and an upper flange for engaging the inside of the side rail, a pair of overlapping arms embracing said rail, a support upon which the step rests, a flange engaging the upper side of the step, flanges engaging the rear and front edges of the step respectively, a truss rod extending under the step through said rail and the ends of said arms, said support being drawn out to form an extended seat for said step and a knee brace for the support.

1,519,284. MOTOR-CONTROL SYSTEM. JAMES R. WILSON, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1921. Serial No. 526,157. 11 Claims. (Cl. 172-238.)

1. In a motor-control system, the combination with a transformer and a phase-converter having a primary and a secondary winding, of means comprising a plurality of switches for connecting said primary and secondary windings to said transformer, and means comprising said switches and a current-limit relay for gradually and automatically increasing the voltage impressed upon said primary winding during the starting period of said phase-converter.

3. In a motor-control system, the combination with a transformer and a phase-converter having a primary and a secondary winding, of means comprising a plurality

of switches for gradually energizing said primary winding during the starting period of said phase-converter, means comprising said switches for varying the connec-



tions of said primary and secondary windings to effect phase-balancing, and means for rendering said second means operative only after said first means has operated.

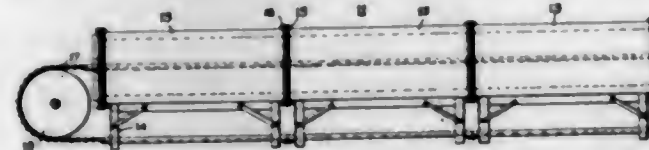
1,519,285. PROCESS FOR TREATING MORTAR, CEMENT, CONCRETE, AND THE LIKE. KASPAR WINKLER, Altstetten, near Zurich, Switzerland. Filed June 16, 1921. Serial No. 478,200. 3 Claims. (Cl. 106-27.)

1. A process of treating cementitious material, consisting in gauging said material with a liquid which comprises a solution of potassium silicate incorporated with an alkali hydroxide and manganese carbonate.

1,519,286. PROCESS FOR TREATING MORTAR, CEMENT, CONCRETE, AND THE LIKE. KASPAR WINKLER, Altstetten, near Zurich, Switzerland. Filed June 17, 1921. Serial No. 478,436. 2 Claims. (Cl. 106-27.)

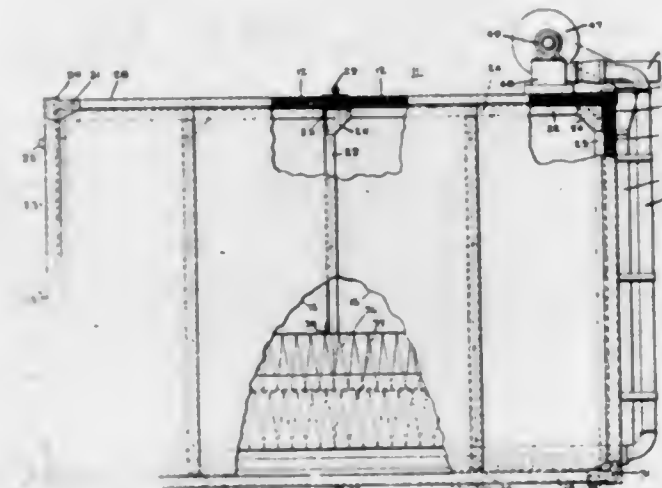
1. A process of treating cementitious material, consisting in mixing the cementitious material with an alkali hydroxide solution instead of with water, and incorporating finely-pulverized manganese dioxide with said material.

1,519,287. ELECTRIC HEATING SYSTEM FOR CONVEYER OVENS. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed June 5, 1922. Serial No. 366,170. 5 Claims. (Cl. 210-35.)



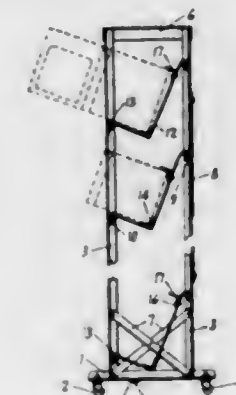
1. In an electric heating system for a conveyor type of baking oven, the combination with a plurality of oven units located in abutting relation and means for moving material through all of said ovens, of a continuously energized heating element in each oven unit located adjacent the entering end thereof, a selectively energized heating element in each oven unit located adjacent the leaving end thereof, and temperature actuated means in each oven unit for controlling said selectively energized heating elements.

1,519,288. OVEN. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,599. 8 Claims. (Cl. 34-19.)



1. In an oven, in combination, a skeleton frame-work, a plurality of heat-insulated panels secured to said frame-work and enclosing an oven chamber, and electric heating elements supported by said frame-work adjacent the bottom of the sides of said furnace chamber.

1,519,289. SHELF FOR BOX AND CAN RACKS. EDWARD ALLEN, Dayton, Ohio, assignor to The Dayton Display Fixture Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 21, 1923. Serial No. 626,547. 2 Claims. (Cl. 211-14.)

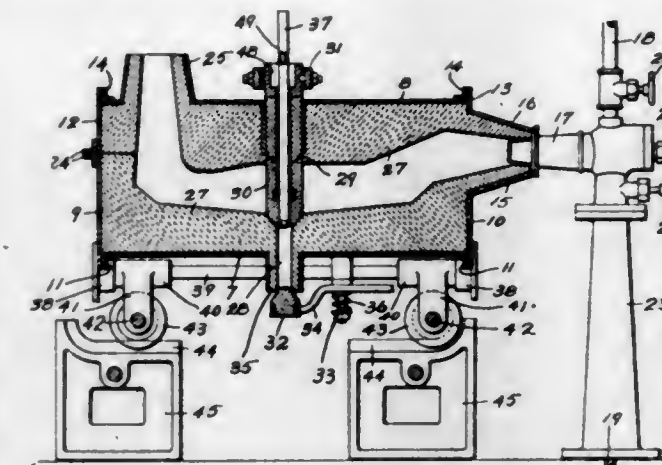


1. In a box and can rack comprising a supporting frame, a shelf insertible therein consisting of bars bent at substantially right angles to support within them boxes and cans, horizontal members connected to the ends of said bars, an angle member secured to the middle portions of said bars to receive the lower rear ends of said boxes and cans, and a back-stop adjustably secured to the upper portions of said bars and having an outwardly projecting flange portion for extension over the rear top ends of said boxes and cans to assist the middle angle member in supporting them and preventing them from tipping.

1,519,290. COMBINED SMELTER AND LADLE. EMIL BAUTCHER, Ludwigshafen, Germany, assignor to Carl A. Hahn, St. Louis, Mo. Filed Nov. 25, 1921. Serial No. 517,818. 11 Claims. (Cl. 263-13.)

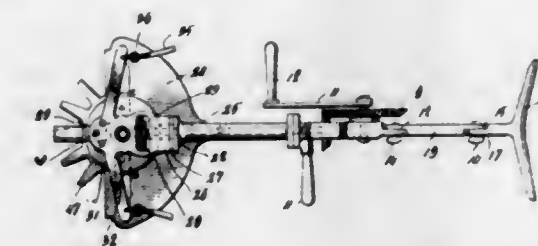
1. A combined smelter and ladle comprising a casing having an upper and a lower section secured together, a

charging opening formed in the upper section, a pouring opening formed in the lower section, means for closing



said pouring opening, and means for introducing heat directly into the casing.

1,519,291. HEDGE CUTTER. CARL NICHOLAS BREIT, Louisville, Ky. Filed Nov. 15, 1921. Serial No. 515,348. 2 Claims. (Cl. 30-11.)



1. In a trimmer, a frame, a cutter carried by the frame, means for operating the cutter, an extension bar pivotally secured to the rear end of the frame, means for adjustably holding the extension bar in position, a second extension bar pivotally secured to the rear end of the first extension bar, means adjustably holding the second mentioned bar in position, as and for the purpose specified.

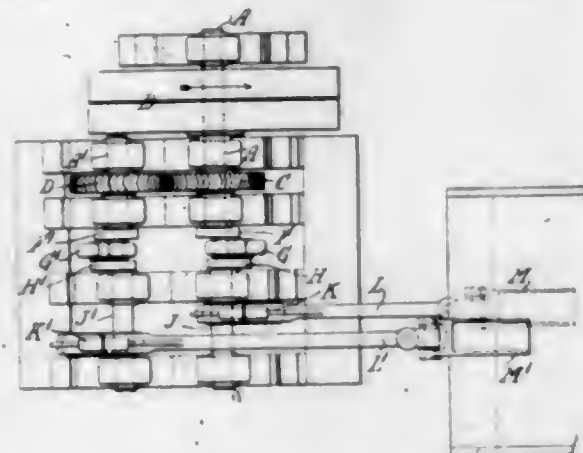
1,519,292. COLUMN CONSTRUCTION. FRANCIS LEE CASTLEMAN, Pencoed, Pa. Filed Jan. 19, 1923. Serial No. 613,655. 5 Claims. (Cl. 189-38.)



1. A compound column comprising transversely divided column sections, said sections being arranged end to end in the erected column and each section having a web plate with angles on the edges of the web plate and a cover plate secured to each edge of the web plate

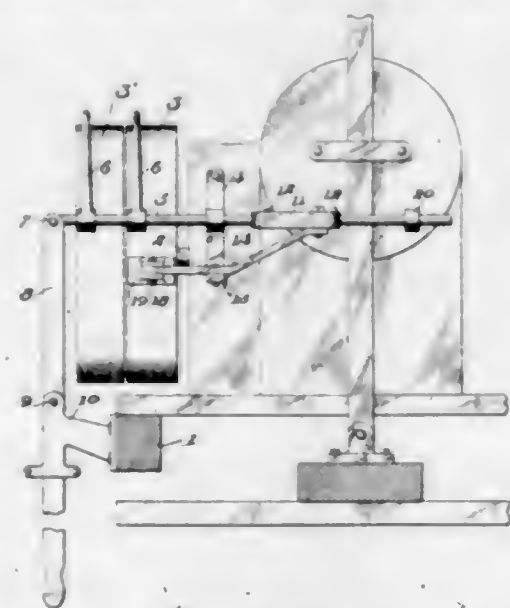
by said angles, the overall dimension of said column sections, in a plane parallel with the sides of said web plate, being the same in all sections and the thickness of the cover plates in some sections varying from that of other sections of the column.

1,519,293. CONVEYING MECHANISM. HENRY CLARK, London, England, assignor to Head, Wrightson and Company, Limited, Thornaby-on-Tees, England. Filed June 22, 1922. Serial No. 570,241. 3 Claims. (Cl. 74-14.)



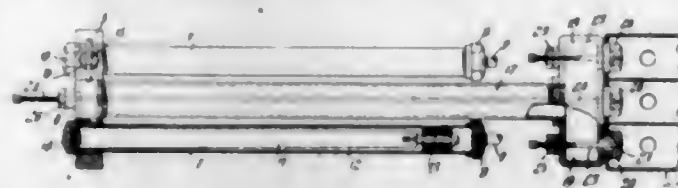
1. In conveying mechanism, the combination of two driving shafts, means for rotating them in opposite directions, two counter-shafts, one behind the other, the axes of the driving shafts lying on opposite sides of a plane containing the axes of the counter-shafts, a crank on each driving shaft, a crank on each counter-shaft, a pair of links, one connecting the crank on one driving shaft to the crank on one counter-shaft, and the other connecting the crank on the other driving shaft to the crank on the other counter-shaft, an eccentric on each counter-shaft, the two eccentrics being set at 180° to one another, and two conveyors connected to the two eccentrics.

1,519,294. COTTON TRAMPER. ADOLPH CULLANDER and ENOCH HAGA, Belzoni, Miss. Filed Apr. 18, 1924. Serial No. 707,452. 4 Claims. (Cl. 142-10.)



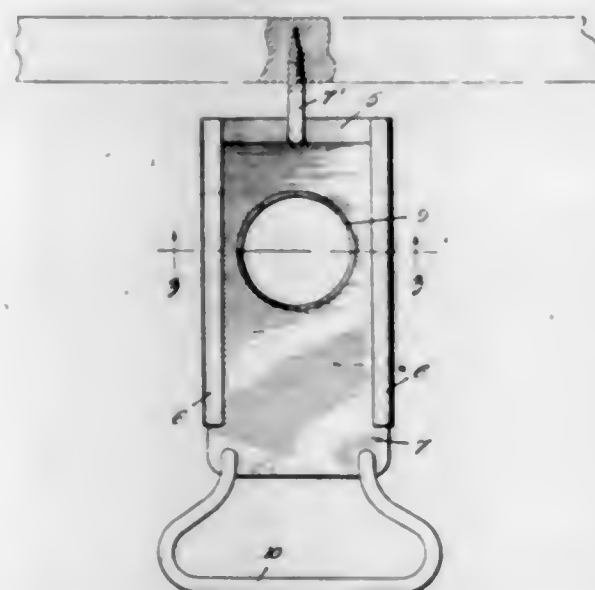
1. In a cotton trumper having a drive shaft provided with a fixed and loose pulley, the combination of belt shifting means, brake means, and means operatively associating the belt shifting means and the brake means, comprising a reciprocating member, a pivoted member, one end of the pivoted member associated with the reciprocating member by a part fixed with respect to one of said members, having a slot inclined with respect to the reciprocating member and a lug fixed with respect to the other of said members and operating in said slot.

1,519,295. OIL-GAS GENERATOR. GEORGE E. CUSTER, Providence, R. I. Filed Mar. 9, 1923. Serial No. 624,026. 7 Claims. (Cl. 48-102.)



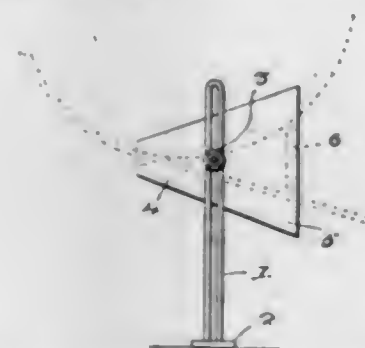
1. A gas generator comprising, in combination, a manifold, a generator tube mounted at one end thereof in said manifold, a tapered member extending longitudinally within said generator tube and forming a tapered passageway therein, means mounted upon said tapered member to scrape the interior surface of said generator tube, a gas reservoir mounted at one end thereof in said manifold and a second manifold mounted at the other end of said gas reservoir and provided with discharge ports therein.

1,519,296. POULTRY BEHEADER. FREEMAN DAVIS and LOYD DAVIS, Centerville, Iowa. Filed May 19, 1924. Serial No. 714,395. 3 Claims. (Cl. 17-11.)



2. In a device of the character described, a body portion, guideways on the body portion, said body portion having an opening, a blade movable through the guideways and having an opening, said openings having beveled edges providing knife-like surfaces, said openings adapted to register to receive the head of a fowl, and a handle for operating the blade.

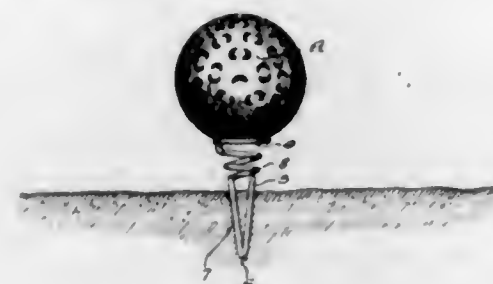
1,519,297. GUARD. WILLIAM DEL GRECO, New Haven, Conn. Filed July 22, 1922. Serial No. 576,804. 2 Claims. (Cl. 74-56.)



1. A guard for preventing objects being drawn between two wheels or between a pulley and a belt comprising a pair of side wings having tapering edges for covering the ends of the space between two approaching elements,

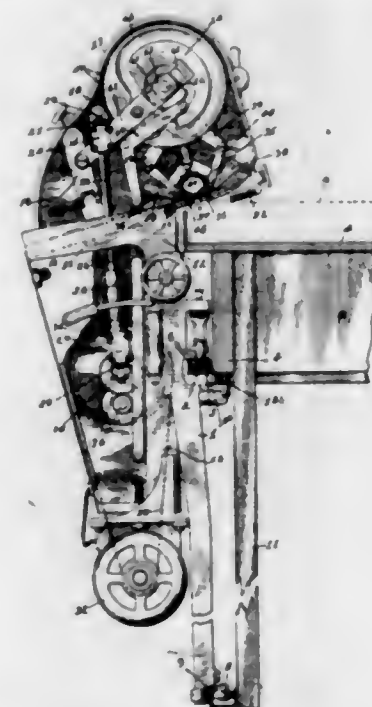
a cross piece connecting the large ends of the wings together and covering the front of said space and a support for the guard, said cross piece being of less width than the large ends of the wings.

1,519,298. GOLF-BALL TEE. JAMES BRYDEN DE MUN, Wilkes-Barre, Pa. Filed Oct. 31, 1923. Serial No. 671,918. 4 Claims. (Cl. 273-33.)



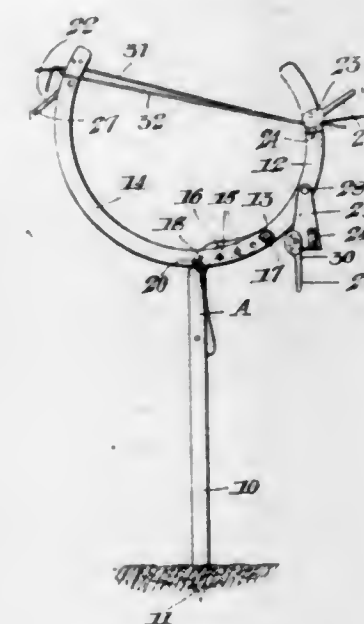
1. A golf ball tee comprising a body portion having one of its ends bent backwardly upon itself to provide a piercing point, and golf-ball supporting means formed on the opposite end of said body portion.

1,519,299. STITCHING MECHANISM FOR MATTRESS-ROLL-FORMING MACHINES. JOSEPH W. DROLL, Chicago, Ill., assignor to Droll Patents Corporation of Delaware, a Corporation of Delaware. Filed July 18, 1922. Serial No. 575,812. 31 Claims. (Cl. 112-3.)



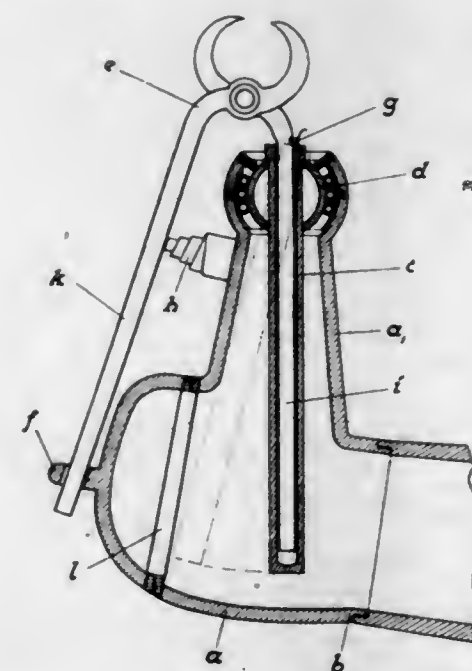
1. In a mattress stitching machine, the combination with a roll forming means arranged to form a roll upon the edge of a mattress, of thread dispensing means mounted upon the machine in a position adjacent the roll; a sewing needle slidably and pivotally mounted upon the machine; means for advancing said needle in one pivotal position to pass through the roll and pick up a thread from the thread dispensing means and for receding said needle to draw a loop of the thread through the roll; means for moving the needle pivotally to be advanced and receded through the roll at a point slightly spaced from the point of penetration of the previous advance, the thread being carried through the roll by the second advance and released by the second return of the needle; and means for actuating the thread dispensing means to engage the thread during the second advance of the needle and to loop the same to lock the stitch formed through the roll.

1,519,300. COMBINED WIRE STRETCHER AND SPLICER. JOHN ELDER and BRUCE M. MACLEOD, Lethbridge, Alberta, Canada. Filed Feb. 27, 1923. Serial No. 621,591. 3 Claims. (Cl. 251-81.)



1. A tool of the character described, comprising in combination, a handle member having a rigid arm, a swinging arm carried by the rigid arm, and means for retaining the swinging arm in position, means for adjusting said arm including a series of orifices designed to register individually with an orifice in the rigid arm, and pivotal bolt means adapted to extend through said orifices, clamping means for said arms, spring actuated means for closing clamping means, and clamping means swivel mounted on the rigid arm.

1,519,301. HAND MEMBER FOR DIVING ARMORS. FRIEDRICH GALL, Kiel, Germany. Filed Aug. 31, 1921. Serial No. 497,427. 5 Claims. (Cl. 61-71.)



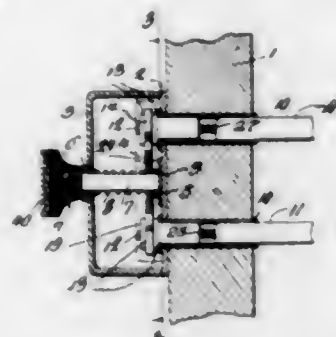
1. A hand member for diving armors comprising, a rigid casing, an articulation in the said casing, a handle fixed in the moving member of the said articulation and adapted to be handled in the interior of the casing, and means for fixing a tool in the said handle.

- 1,519,302. PROJECTILE. NEVIL GREENWELL, Bethlehem, Pa., assignor to Bethlehem Steel Company. Filed Feb. 5, 1924. Serial No. 690,741. 5 Claims. (Cl. 102-29.)



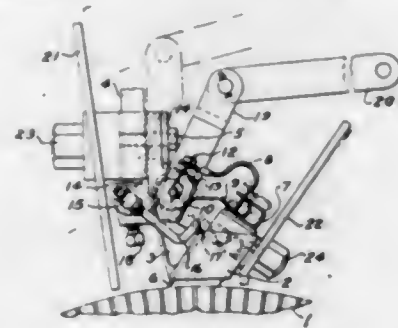
4. A projectile comprising a shell body having a band seat and a reduced portion disposed rearwardly of the seat, a frangible collar separating the seat from the reduced portion, a band in the seat, a plug threaded in the base opening of the projectile, a filler ring mounted on the reduced portion and projecting rearwardly from body co-planar with the rear face of the plug and a frangible connection between the ring and the plug.

- 1,519,303. COMBINATION ELECTRIC SWITCH. EDWARD M. GROSS and FRED E. MAYES, Louisville, Ky. Filed July 14, 1920. Serial No. 396,102. 1 Claim. (Cl. 200-43.)



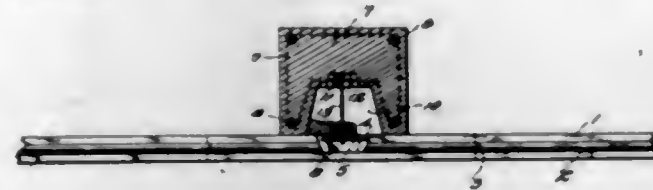
As a new article of manufacture, a combination electric switch for ignition circuits, comprising a casing including a front and a rear wall, a bearing collar secured to the rear wall formed of non-electric conducting material having an annular row of teeth formed thereon, a rotatable shaft carried by the front wall and having its inner ends rotatably mounted in said collar, a toothed ferrule secured to the shaft for engaging the teeth of the collar, a pair of spaced contacts secured to the rear wall and arranged in radial spaced relation to the shaft and collar, radially extending arms secured to the shaft for wiping contact with said spaced contacts and a spring coiled about said shaft engaging the radially extending arms and the inner surface of the front wall.

- 1,519,304. BRUSH HOLDER. FLOYD T. HAGUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 5, 1923. Serial No. 610,778. 12 Claims. (Cl. 171-324.)



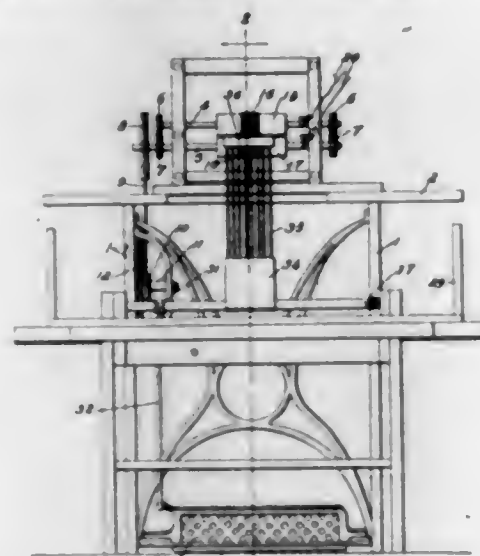
2. The combination of a brush holder, a brush therefor, yieldable means for normally applying pressure to the brush and for temporarily lifting the brush and means by which the said yieldable means may be moved to effect a temporary elevation of the brush thereby.

- 1,519,305. BUILDING CONSTRUCTION. FRANK R. HAHN, Decatur, Ill. Filed May 23, 1918. Serial No. 236,080. Renewed May 13, 1924. 10 Claims. (Cl. 72-30.)



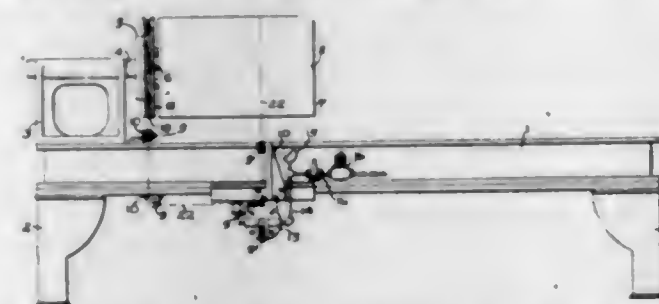
9. A construction of the character described, including in combination, two adjacent members having horizontally aligning recesses, each member having a rigid horizontal reinforcing element therein extending horizontally through the respective recesses, a straight connecting element between said members, the connecting element having a hook at each end fitting in the recesses and engaging over the respective reinforcing elements in said recesses, and a filling material between said members to fill said recesses and to imbed said connecting element.

- 1,519,306. TOBACCO MACHINE. HARRY L. HENDERSON, Centerville, Iowa. Filed Mar. 8, 1921. Serial No. 450,570. 2 Claims. (Cl. 131-58.)



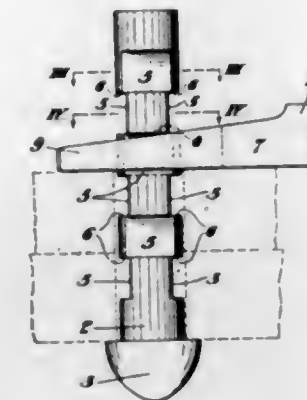
1. In a machine of the class described the combination of oppositely rotatable rolls, there being longitudinal ribs upon one of the rolls, and annular ribs upon the other roll, said ribs contacting at the pass therebetween and cooperating to score the stem portions of a leaf fed therebetween, said ribs operating to perforate the stem portions at the points of intersection of the scores.

- 1,519,307. ARMATURE-BANDING MACHINE. PHILIP E. HENNINGER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 10, 1922. Serial No. 600,179. 7 Claims. (Cl. 242-8.)



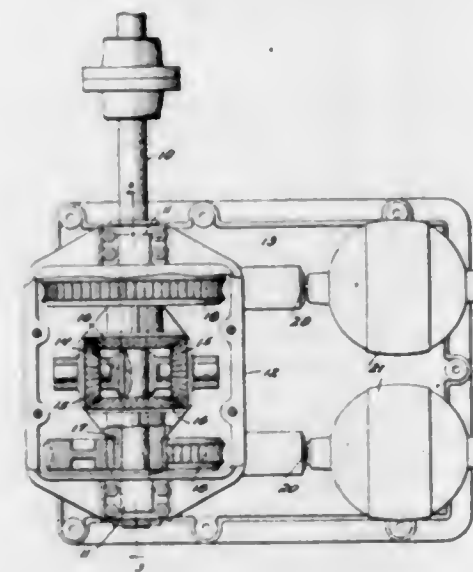
1. A banding machine comprising a base adapted to rotatably support an object to be banded, feeding means adapted to feed the banding material at a speed corresponding to the peripheral speed of the rotating object and means for regulating the tension of said material.

- 1,519,308. BOLT. ANDREW W. HOOD, Philadelphia, Pa. Filed Feb. 23, 1924. Serial No. 694,757. 2 Claims. (Cl. 85-8.)



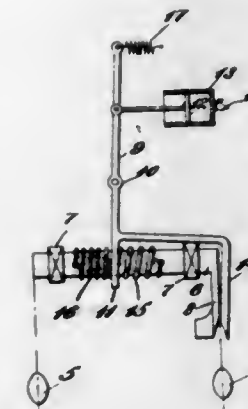
1. A fitting-up bolt comprising a shank portion and a head portion, in combination with a tapered U-shaped locking member, said shank portion being provided with a plurality of pairs of flattened depressions along its side walls, the depressions of each pair being opposite each other, and each pair of depressions extending at right angles to the next adjacent pair, and said locking member being adapted to fit around said shank with its legs in each of the depressions of any pair, so as to bind the work pieces together in which the bolt is mounted.

- 1,519,309. VARIABLE-SPEED DRIVING MECHANISM. HOWARD H. HUMMEL, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Aug. 24, 1922. Serial No. 584,068. 1 Claim. (Cl. 74-34.)



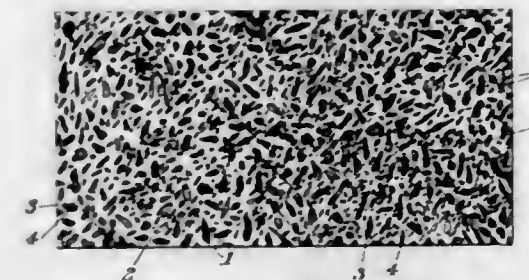
A unitary variable-speed power device comprising a base member, a gear case carried by the base member, aligned bearings carried by the gear case, a shaft extending through the bearings, a spider carried by the shaft intermediate the bearings, a plurality of pinions carried by the spider, gears loosely mounted on the shaft and engaging opposite sides of the pinions, worm wheels connected to the gears, a pair of opposed bearings in the gear case in the central plane of each worm wheel, shafts in the bearings, worms carried by the shafts and meshing with the worm wheels, and motors carried by the base member and each having its driving shaft aligned with and connected to one of the last-named shafts, said worm wheels and worms having such a pitch as to constitute irreversible drives.

- 1,519,310. INTERLOCKING APPARATUS. CLARENCE A. JOHNSON, Larimer, and ERNEST K. READ, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 18, 1920. Serial No. 417,673. 10 Claims. (Cl. 74-83.)



1. In combination with a starting-switch member and a running-switch member, an interlock member normally in position to lock the running-switch member against closing movement and to permit the starting-switch member to close, and means operated by the starting-switch member for moving the interlock member into position to lock the starting-switch member against closing movement and to permit the running-switch member to close, said means also serving to return the locking member to normal position when the running-switch member has been returned to neutral position.

- 1,519,311. RETICULATED OR CELLULAR CEMENT OR THE LIKE PRODUCT AND METHOD OF MAKING SAME. NATHAN CLARKE JOHNSON, Englewood, N. J. Filed Jan. 21, 1922. Serial No. 530,818. 13 Claims. (Cl. 106-24.)

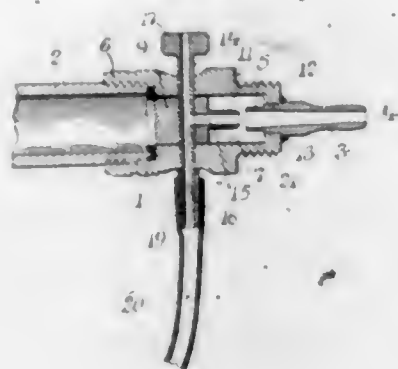


11. Method of producing a rigid reticulated cement structure which comprises thoroughly wetting paper pulp and forming swollen nodules, mixing the wet nodules with Portland cement and sodium silicate to form a moldable mass, and then allowing the mass to set and the bulk of the moisture to dry out of the nodules.

- 1,519,312. SPRAYING AND WASHING DEVICE. FRANCIS WILLIAM KELLEHER, Cambridge, Mass., assignor of one-half to Archie L. Mariani, Everett, Mass. Filed Aug. 8, 1923. Serial No. 656,438. 3 Claims. (Cl. 162-1.)

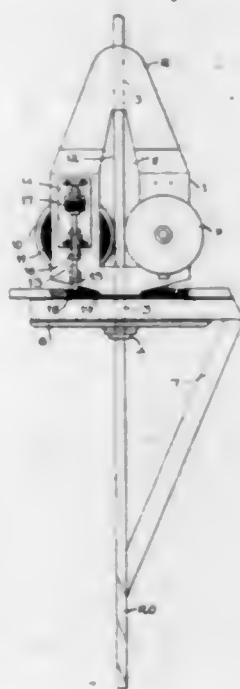
1. A spraying and washing device comprising a chambered body, a nozzle at one end, an opening at the other end for receiving water under pressure, a plug removably held in the chamber and provided with a tubular portion terminating near the inner end of said nozzle,

a slender valve penetrating said plug transversely from the exterior of said body, and means for admitting a liquid to said valve, the latter having an axial hole and



a radial hole adapted to be put into alignment with said tube and to communicate therewith by a suitable turn of said valve.

1,519,313. MACHINE FOR WRAPPING INSULATION. JOHN J. KEYES, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 27, 1922. Serial No. 669,170. 6 Claims. (Cl. 117-41.)

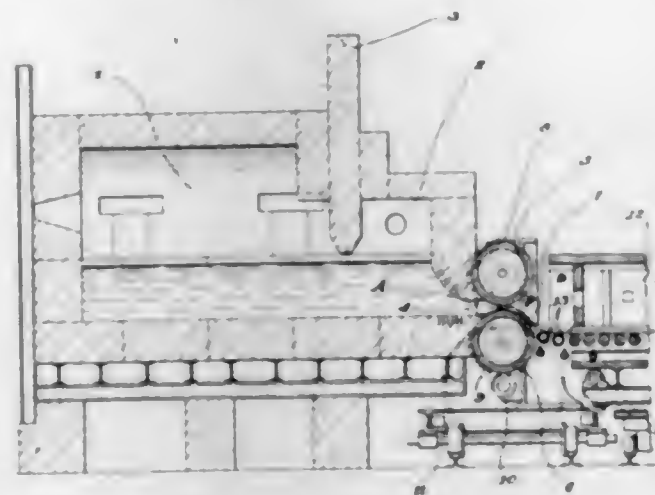


1. A conductor wrapping device comprising a holder having a guide adapted to receive a conductor member, a supply reel mounted coaxially with said guide on said holder for carrying insulating wrapping material and means for actuating said reel on said holder to effect rotation thereof relative to the speed of feeding the conductor member.

1,519,314. APPARATUS FOR MAKING SHEET GLASS. WALTER G. KOUPAL, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 5, 1923. Serial No. 678,599. 4 Claims. (Cl. 49-33.)

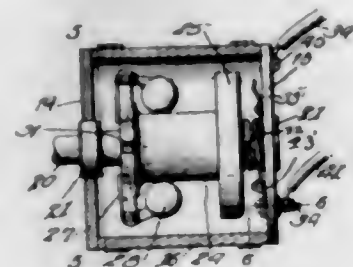
4. In combination with a tank adapted to carry a bath of molten glass, and having an outlet through one of its walls, and a pair of driven rolls having reduced end portions with shoulders at the juncture of said reduced portions and the body portions of the rolls, hollow metal

closure members at each end of the rolls fitting between said reduced portions and abutting said shoulders and closing the triangular spaces at the ends of the body



portions on the inlet sides of the rolls, and means for supplying a mixture of gas and air to the interior of said closure members.

1,519,315. AUTOMOBILE SIGNAL. GEORGE E. LAMBERTY, Ogden, Utah. Filed Apr. 29, 1922. Serial No. 557,405. 4 Claims. (Cl. 175-355.)

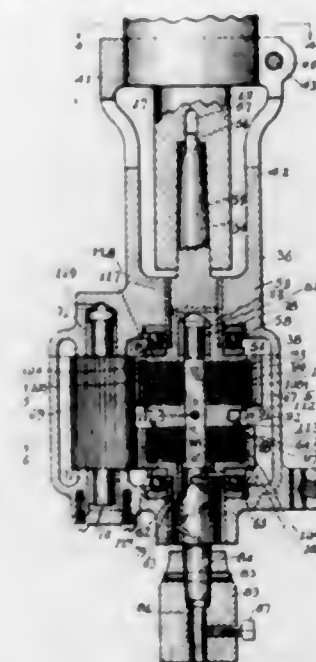


1. The combination with the steering mechanism of an automobile, including a front wheel, and an arm connected with the front wheel to turn it in steering and retaining a fixed relation to the front wheel, of a horizontally arranged casing rigidly mounted upon the steering arm, a drive shaft within the casing and extending outwardly thereof, a gear mounted upon the outer end of the drive shaft, a second gear carried by the front wheel and permanently engaging the first named gear, a sleeve slideable upon the shaft and having a radial flange, a support carried by the drive shaft within the casing, bell crank levers pivoted to the support with corresponding ends thereof engaging the sleeve to move it in one direction, weights carried by the bell crank levers, a spring to oppose the movement of the sleeve in one direction, a contact arranged within the casing and adapted to engage with the contact flange when the sleeve is shifted toward it, and a circuit connected with the contact including a source of current and a visual signal.

1,519,316. DEVICE FOR IMPARTING ROTARY MOTION. JAMES E. LARSH, Cheviot, Ohio, assignor to The Fostick Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 6, 1922. Serial No. 599,269. 7 Claims. (Cl. 74-59.)

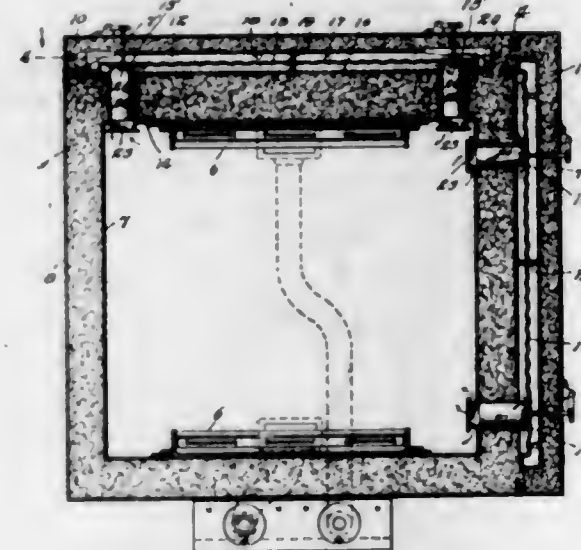
1. In a device of the character described, the combination of a spindle, a set of friction-plates for driving the same in a given direction, a set of friction-plates for driving the same in reverse direction, means between said spindle and said respective sets of friction-plates transmitting axial movements of said spindle in reverse directions to said respective sets of friction-plates for

friction pressure between the plates of one of said sets of friction-plates and relief of friction pressure between the plates of the other of said sets of friction plates, and



means for normally automatically causing relief of pressure between the plates of said respective sets of friction plates.

1,519,317. WATER HEATER. THOMAS A. LEWIS, New York, N. Y. Filed Jan. 22, 1920. Serial No. 353,130. 24 Claims. (Cl. 126-39.)

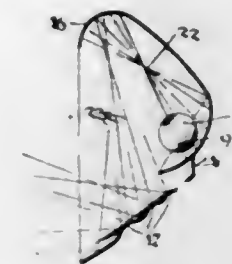


1. In combination with an enclosure, a hot water tank, heating units within and outside of said enclosure and a water-heating container respectively associated with said heating units and connected to said tank, said container being outside of said enclosure and means being provided for conducting heat from said enclosure to said container.

1,519,318. HEADLIGHT FOR MOTOR VEHICLES. ORMOND C. MALCOLM and BERNARD JASNESKI, Auburn, N. Y. Filed Oct. 12, 1923. Serial No. 668,137. 9 Claims. (Cl. 240-41.)

1. A reflecting element for headlights comprising a body portion of parabola contour in horizontal and vertical section and having its forward face constituting a reflecting medium for forwardly directed rays, said body portion provided at its top with an overhang and at its bottom centrally with corrugations for reflecting light rays directed thereon by said overhang, said body portion having as an inherent part thereof an offset concave deflecting member extending across the vertical axis thereof and positioned rearwardly of and opposing

an eccentrically disposed illuminating element and further coacting with said overhang, and said body portion further having as an inherent part thereof an offset concave reflecting member at one side of the vertical



axis thereof and arranged in proximity to and extending in an opposite direction with respect to the first mentioned reflecting member and providing means for reflecting light rays upon the right hand side of the road.

1,519,319. GIRDER SUPPORT. ROLLO G. MANNING, Ambridge, Pa. Filed Apr. 19, 1924. Serial No. 707,646. 5 Claims. (Cl. 105-367.)

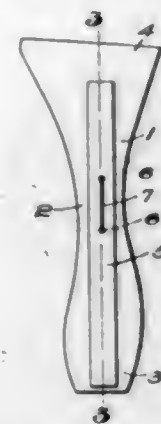


1. An all metal supporting structure for bracing girders and the like on railroad cars, comprising a bolster member composed of a pair of spaced channel side members and bottom members, means removably secured to said bolster for preventing sidewise movement of the bottom face of the article being braced, and a pair of brace members, one of which is adjustably secured adjacent each end of said bolster and which extends upwardly and inwardly on an angle and are adapted to have their upper ends engaged against and removably secured to the article being braced adjacent its upper face.

1,519,320. SHANK FOR BOOTS AND SHOES. ALFRED M. MOORE, Malden, Mass., assignor to Chester M. Moore, Wakefield, Mass., doing business as Moore & Company, Everett, Mass. Filed Feb. 7, 1921. Serial No. 442,905. 2 Claims. (Cl. 36-76.)

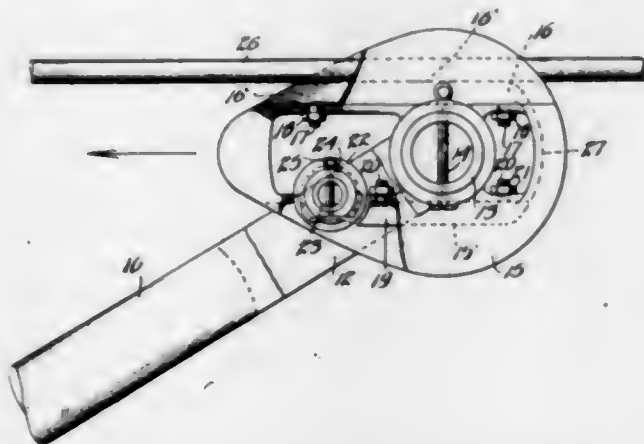
1. A shank stiffener comprising a body narrow at the waist and gradually increasing in width toward its heel and forward ends, and a spring member parallel sided and markedly narrower throughout than the narrowest portion of the shank body, and a single staple positioned lengthwise said spring member and of a length substantially exceeding the width of the spring member and penetrating the latter and said body at points at the

waist only, relatively remote from each other so as effectively to resist torsional or turning movement of said spring member and said body, said spring member



being wholly unattached to said body excepting by said staple, whereby relatively free movement is permitted of the ends of said spring member.

1,519,321. TROLLEY. GILES S. MOORE, Indianapolis, Ind., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed Oct. 5, 1923. Serial No. 666,785. 7 Claims. (Cl. 191-59.1.)



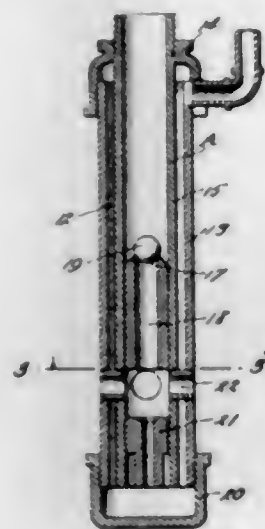
1. A trolley comprising a harp, a pivot pin extending through the forks of the harp, a bracket on the pin freely rotatable with reference to the harp and having sliding contact faces at opposite sides of the pivot pin, and a removable wear shoe on each face having extensions cooperating with the bracket to hold the shoes in place, substantially as set forth.

1,519,322. PROCESS OF MAKING FRICTION ELEMENTS. ISADOR J. NOVAK, Bridgeport, Conn., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 21, 1922. Serial No. 596,152. 8 Claims. (Cl. 91-70.)

1. A process for making friction elements consisting in impregnating friction material with a potential binder of saponified phenolic condensation product and gum carried in a water vehicle, adding a fixing material and subsequently removing the water by drying below 250° F., at atmospheric pressure.

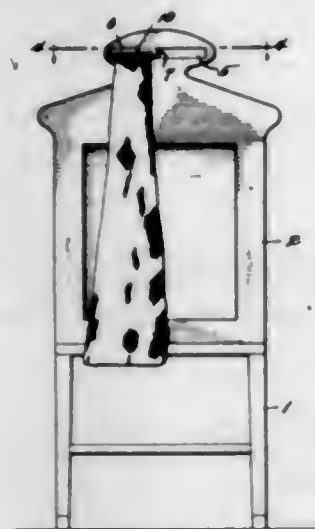
5. A process of making brake linings, consisting in preparing a mixture of saponified phenol resin and rosin, at a temperature below the boiling point of water, regulating the consistency of such mixture by the addition of an aqueous fluid, immersing asbestos friction material in said mixture, and saturating said material, scraping off the excess saturant, subjecting the saturated material to an acid solution, then subjecting it to heat and calendering to produce a friction material of desired configuration and containing predetermined qualities of binder.

1,519,323. SINK TRAP AND LIFT. JOSEPH A. O'LAUGHLIN, Hutchinson, Kans. Filed Apr. 9, 1924. Serial No. 705,328. 3 Claims. (Cl. 162-3.)



1. In a combined trap and water drain for plumbing systems, a casing having an inlet therein for receiving sewage, an axially disposed tubular housing extending into the casing, an axially disposed sleeve arranged within the housing and extending exteriorly thereof for connection with the sewer pipe, a water supply pipe communicating with the upper end of the housing and arranged for permitting the flow of water around the lower end of the sleeve and up into the sleeve, and inlet ports communicating with the sleeve for permitting the sucking of water into the sleeve from the casing.

1,519,324. VALET CHAIR. HOMER LEWIS OSBORN, New York, N. Y. Filed Aug. 25, 1923. Serial No. 659,374. 3 Claims. (Cl. 211-14.)

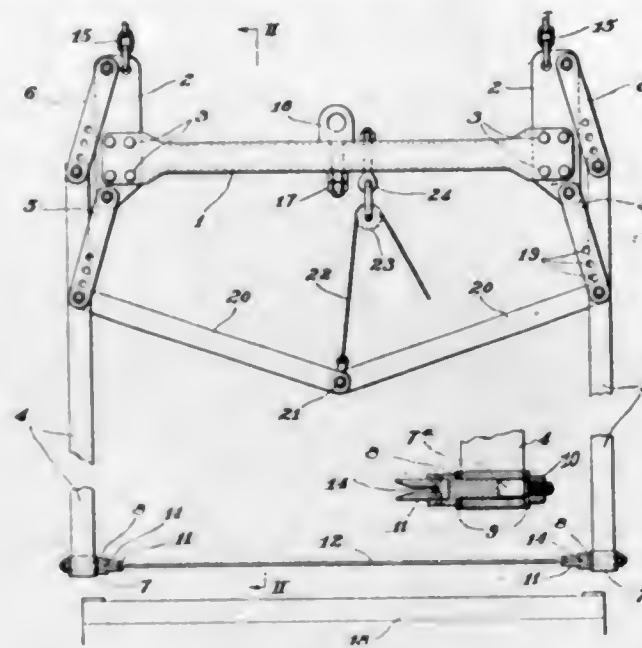


1. In combination with a chair back having a pocket, a panel hinged to the chair adapted to close said pocket, a resilient trouser hanger mounted on said panel and adapted to be compressed within the pocket when the panel is closed so as to actuate the panel outwardly when released.

1,519,325. PLATE-GLASS TURNOVER FRAME. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 11, 1923. Serial No. 662,160. 4 Claims. (Cl. 294-106.)

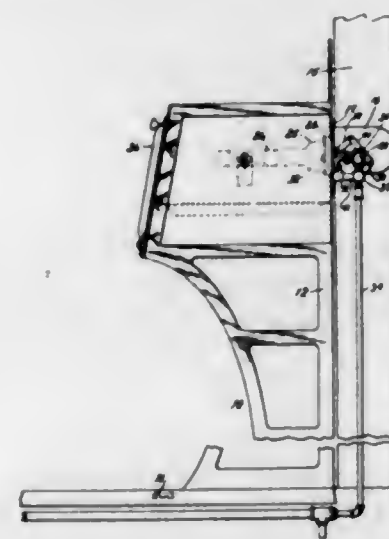
1. In combination in glass turn-over apparatus, a transverse frame, a pair of vertical side members, one of which is mounted for parallel movement toward and

from the other member on said frame, and a glass engaging member at the lower end of each side member,



said engaging members being swiveled to said side members and being slotted to receive the edges of the glass sheet.

1,519,326. COMBINED BURNER AND DAMPER CONTROL FOR TOASTER OR BROILER OVENS. HOWARD L. PAGE, Chicago, Ill., assignor to Home Stove and Foundry Company, a Corporation of Illinois. Filed Feb. 29, 1924. Serial No. 695,900. 1 Claim. (Cl. 126-39.)

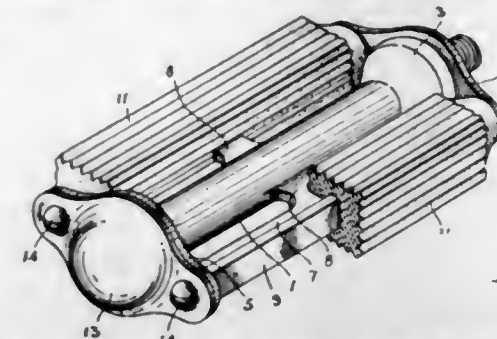


An attachment for ranges comprising a plate having openings therein, flanges surrounding said openings and extending in opposite directions from said plate, one of said flanges being adapted to engage a burner and the other a draft pipe, a damper having a pivot pintle journaled in one of said flanges for closing one of said openings, an air control valve for the other opening, a fuel pipe extending through said valve, a fuel control valve in said pipe, an extension on said valve, crank arms on said pintle and extension, a link pivoted to said arms, and means for operating said valve.

1,519,327. PEDAL. HARVEY WERN PEACE, Toronto, Ontario, Canada, assignor of one-half to John Walker Gibson, Toronto, Canada. Filed Oct. 4, 1920. Serial No. 414,698. 2 Claims. (Cl. 208-70.)

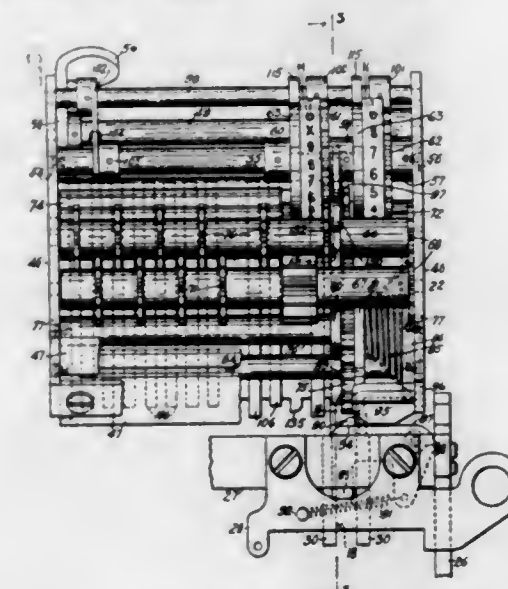
1. A bicycle pedal, comprising, a unitary casting of aluminum formed with a central barrel portion to re-

ceive the spindle and having laterally extending radial webs cast integral therewith, said webs having longi-



tudinal slots, and rubbers fitted in said slots and embracing said webs in locking engagement.

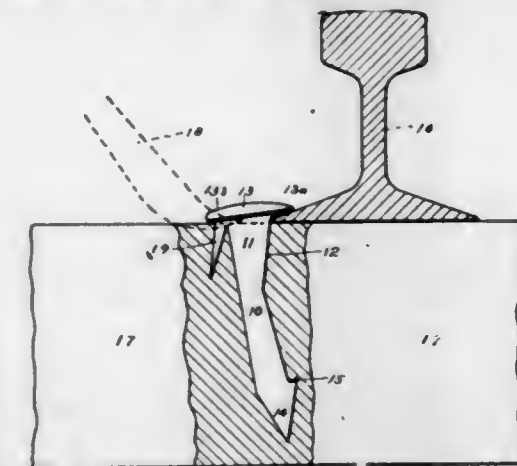
1,519,328. CALCULATING MACHINE. ARTHUR F. POOLE, Pelham Manor, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 27, 1922. Serial No. 603,388. 33 Claims. (Cl. 235-59.)



3. In a calculating machine, the combination with an actuator or master wheel, of a relatively traveling register provided with an independent jumping master wheel.

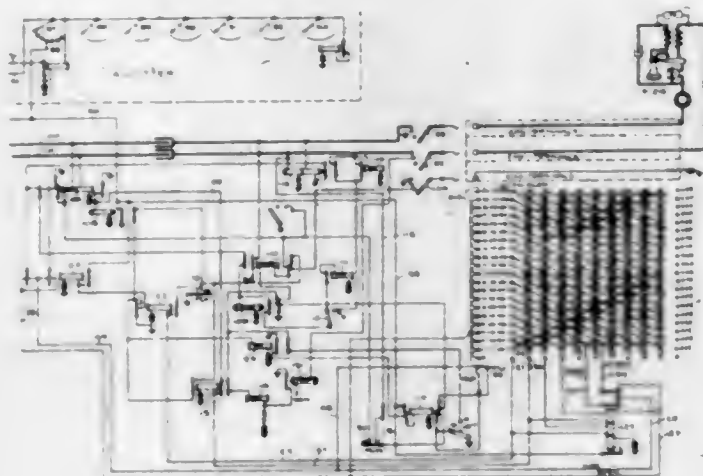
33. In a calculating machine, two visible dials for calculating and displaying the 9-function and the 11-function respectively, the "9" dial having nine markings thereon and the "11" dial having eleven markings.

1,519,329. RAILROAD SPIKE. ORRIN B. POWELL, Jacksonville, Fla., assignor to Lucian B. Powell, Jr., Farmville, Va. Filed Nov. 24, 1922. Serial No. 602,925. 7 Claims. (Cl. 85-20.)



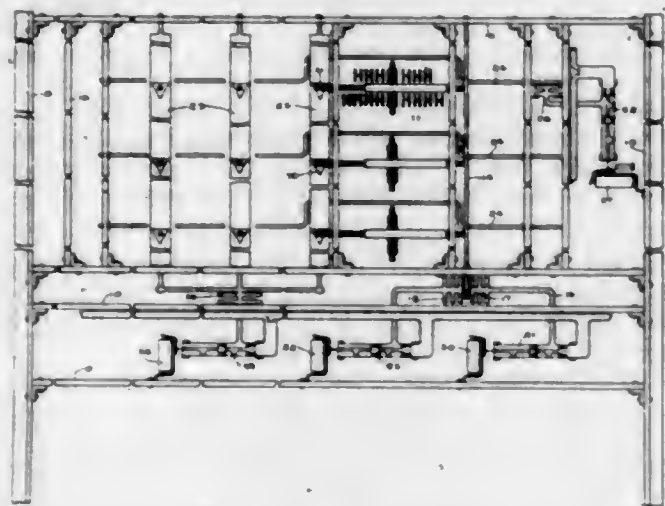
1. A rail spike having a shank provided with a terminal point having an upwardly and outwardly directed barb and a head having an outwardly extended nose for overlapping engagement with a rail base, the shank being increased in width toward its lower end.

1,519,330. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 11, 1921. Serial No. 444,243. 17 Claims. (Cl. 179-18.)



1. In an automatic telephone system, an incoming circuit, a plurality of outgoing circuits, an automatic switch arranged for primary and secondary movements, means for originating impulses to control said switch, and means including a single motor magnet to advance said switch to one position directly and to a second position automatically in response to each impulse.

1,519,331. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 29, 1922. Serial No. 557,455. 16 Claims. (Cl. 179-18.)

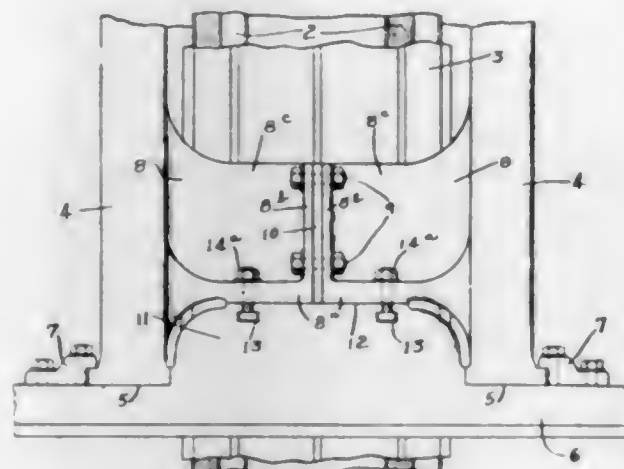


9. In a telephone system, a plurality of pairs of telephone lines, a plurality of pairs of trunks, and means operating through intersecting planes for interconnecting a pair of lines to a pair of trunks on the initiation of a call.

1,519,332. MACHINE-TOOL-FRAME STRUCTURE. ROSWELL H. RAUSCH and NICHOLAS MARCALES, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 5, 1923. Serial No. 672,942. 8 Claims. (Cl. 90-37.)

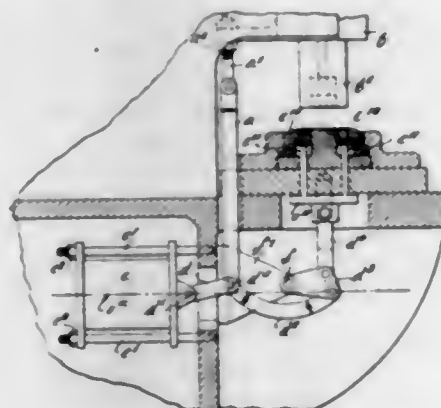
1. In a machine tool, the combination of a base, a pair of spaced uprights thereon, a bracket projecting inwardly

from each upright toward the other upright, means detachably securing the brackets together, and a cross rail



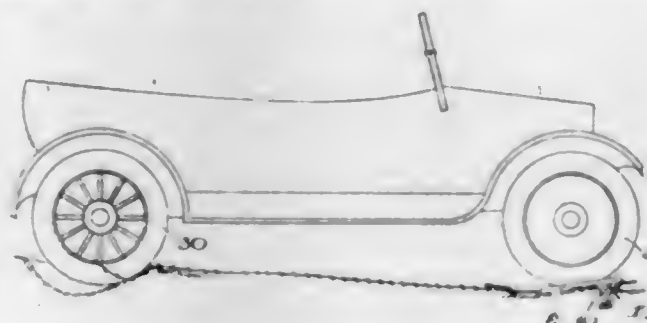
mounted to slide vertically on the uprights, the portion of the rail between the uprights being supported rearwardly by bearing against the said brackets.

1,519,333. DRAW PRESS FOR SHEET METAL. CHARLES JOSEPH RHODES and GEORGE WILLIAM BERRY, Wakefield, England. Filed Dec. 13, 1922. Serial No. 606,742. 10 Claims. (Cl. 113-38.)



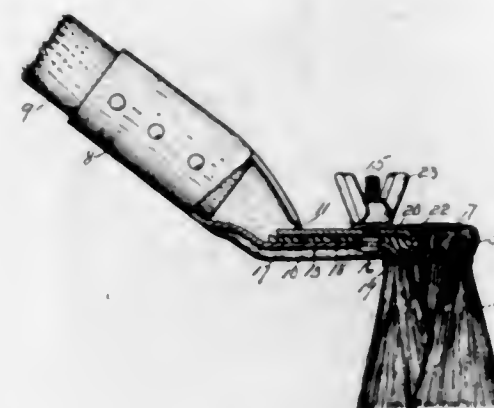
1. In a combination draw press for sheet metal, a die, a pressure ring mounted therein, a plunger for said die and ring, means for placing the pressure ring under pressure, and additional means connecting said first-named means with the ram for actuating the first named means independently of the plunger.

1,519,334. VEHICLE PULL. JOHN ROLLI, West Allis, Wis. Filed June 22, 1921. Serial No. 479,695. 3 Claims. (Cl. 180-9.)



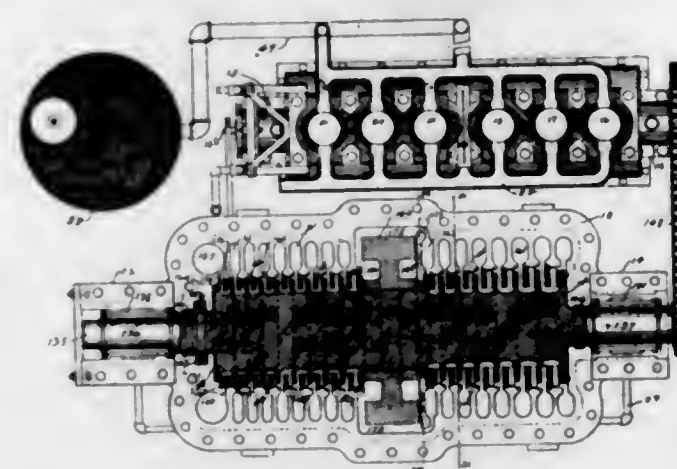
1. In a vehicle pull, the combination of a wheel-receiving pan having a hook-receiving portion on the underside thereof near its front edge, a road-engaging member having a hooked portion engageable with said hook-receiving portion and a flat top engageable with the underside of the pan, and a flexible connection between said pan and the wheel to be extricated.

1,519,335. HANDLE FOR MOPS, BRUSHES, AND THE LIKE. WALTER H. RUDOLPH and WALLACE S. HART, Hartford, Conn., assignors to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 13, 1922. Serial No. 528,961. 4 Claims. (Cl. 15-147.)



1. A holder comprising a socket member having an angularly disposed plate extension provided at its end with transversely disposed lateral projections, said end being curved through said projections to form a transversely extending groove, said extension being curved to form longitudinally extending parallel side grooves communicating at their outer ends with said transverse groove, the intermediate portion of said extension being disposed above the side grooves and having an opening therein for receiving the headed end of a holding element with the head of said element positioned inwardly of the outer faces of said grooves, and means associated with the plate extension and holding element for clamping wires in said groove.

1,519,336. TURBINE ENGINE. WILBUR A. SALISBURY, Spokane, Wash., assignor to Salisbury Turbine Motor Co., Spokane, Wash., a Corporation. Filed Oct. 6, 1919. Serial No. 328,649. 6 Claims. (Cl. 253-49.)

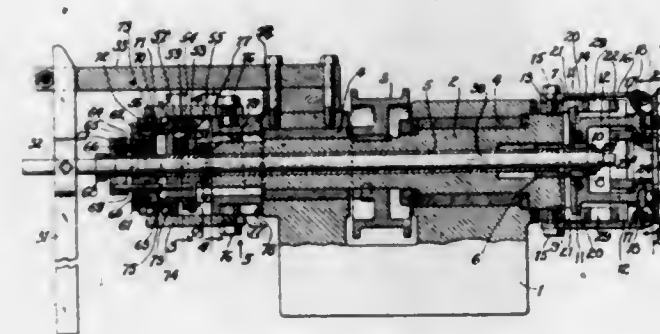


1. A turbine engine having a rotor divided into high and low pressure sides, with a fly-wheel between the two and an annular port in the side of the fly-wheel, for the passage of pressure fluid from the high to the low pressure side.

1,519,337. CHUCK-OPERATING MECHANISM. OSWALD SCHLAUPITZ, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Jan. 29, 1923. Serial No. 615,549. 7 Claims. (Cl. 279-106.)

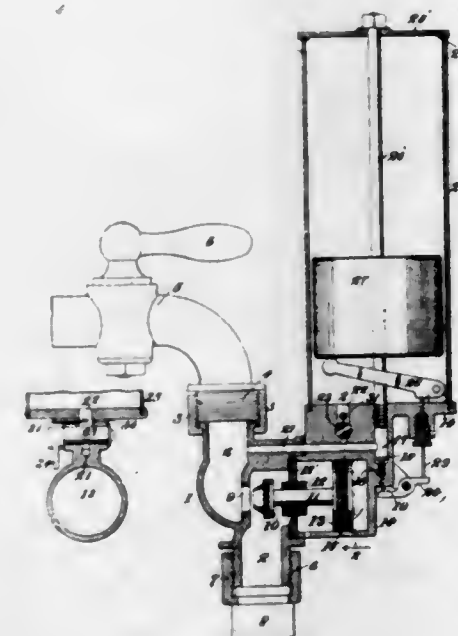
1. A frame, a hollow spindle rotatably mounted therein, a chuck operating draw rod in the bore of said spindle, rotatable therewith and movable axially thereof, a

flanged collar operatively connected with said rod to move it axially, a sleeve secured to said collar and having a circumferential flange at the end, a ring secured to said flange, a member slidable on said sleeve, said member engaging said flange on said collar as it moves in one



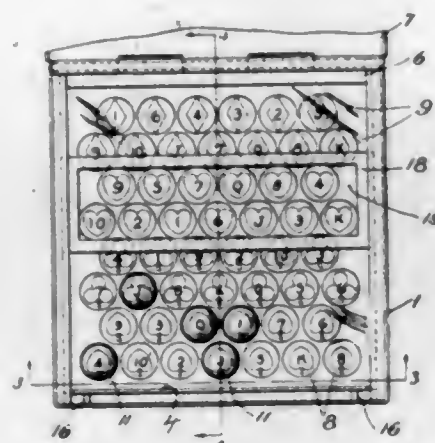
direction and said ring on said sleeve flange as it moves in the other direction, thereby moving said collar and said draw rod, and means permitting limited relative longitudinal movement of said collar and said chuck operating rod.

1,519,338. WATER CONTROL FOR SPRINKLERS. ROBERT W. SEYMS, San Francisco, Calif. Filed Sept. 11, 1923. Serial No. 662,153. 7 Claims. (Cl. 137-139.)



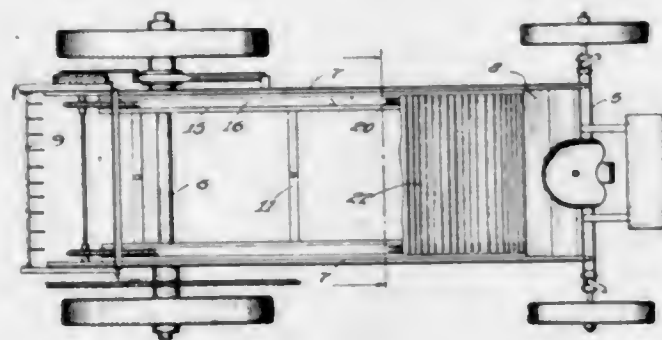
1. An automatic water control means for interposition between a water faucet and the hose connection for a sprinkler, the same comprising a body structure provided with a ported water passage-way, a fluid pressure actuated valve adapted to control the opening and closing of the port within said water way, a water reservoir associated with the body structure provided with a leakage outlet, a valve adapted to control the flow of water under pressure into the said reservoir, a pilot valve adapted to control the movement of the pressure actuated valve, and means thrown into action by the outflow of water from within the water reservoir for permitting an unseating of the pilot valve to produce a closing pressure relative to the pressure actuated valve.

1,519,339. GAME. JAY J. SINDLER, Framingham, Mass., assignor of one-half to Calvert B. Archer, Sherborn, Mass. Filed Nov. 15, 1923. Serial No. 674,828. 9 Claims. (Cl. 273-109.)



1. A game or amusement device comprising a plurality of indicator receiving pockets, an indicator loosely held therein, an open topped container for the same, a transparent sheet placed above said pockets and closing said container, and symbols upon said sheet so disposed as to correspond with said pockets.

1,519,340. CONVERTIBLE MANURE-SPREADER BOTTOM. ERNEST C. SMITH, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 26, 1920. Serial No. 389,076. 1 Claim. (Cl. 214-83.)

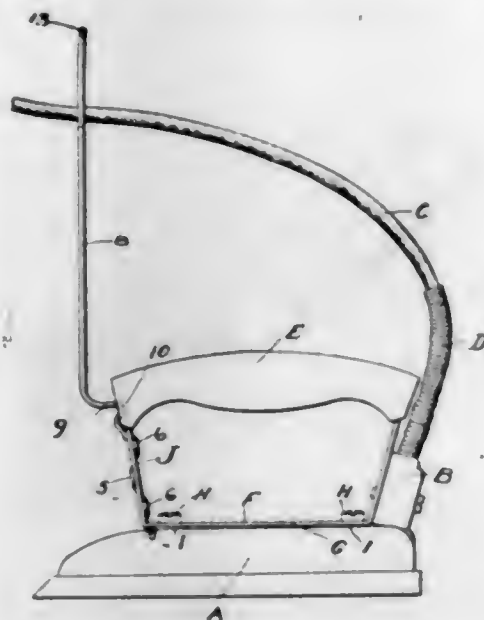


In a manure spreader, a supporting frame including side members and spaced transverse members, a body supported on said frame and including side walls having narrow bottom strips fixed at each inner side thereof, conveyor tracks on said strips, a unitary bottom panel supported on said transverse members and closing the space between said strips, removable fastening elements securing said panel to the transverse members, and an endless conveyor having an upper run traveling above and out of contact with the bottom panel and having chains at its edges resting on said tracks and supporting the conveyor independently of the bottom panel.

1,519,341. SUSPENDING MEANS. FRANCES G. SMITH, Brooklyn, N. Y. Filed May 11, 1923. Serial No. 638,321. 9 Claims. (Cl. 219-25.)

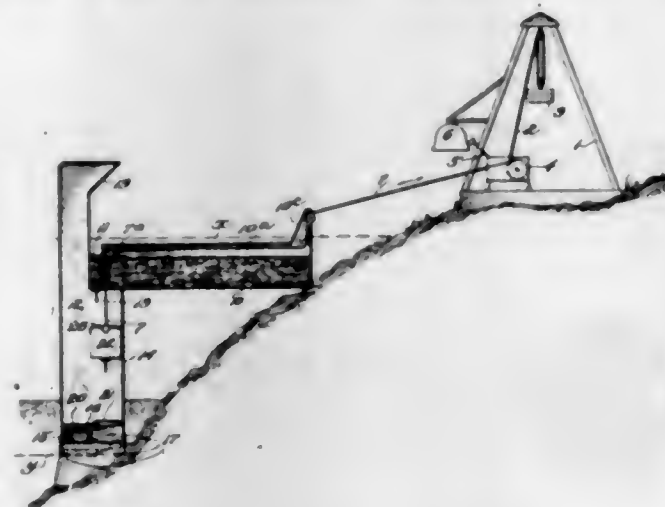
1. An electrically heated sad iron provided with a socket connection at a point rearwardly of the handle, an insulated conductor cord operatively connected with said socket provided with an embracing spring coil serving to permit the conductor to be definitely arranged

and maintained in looped formation above the handle, and means positioned at the front of the iron and co-acting with said conductor and said coil and serving



as a guide for the conductor, said means including a plurality of resilient clips for engagement with the forward branch of the handle support.

1,519,342. SELF-WINDING FOG SIGNAL. MALCOLM F. WILLOUGHBY, Cambridge, Mass. Filed Aug. 16, 1923. Serial No. 657,696. 8 Claims. (Cl. 116-25.)

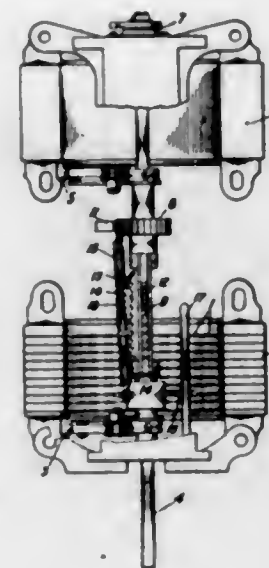


1. In a self-winding fog-signaling apparatus, the combination with signal-actuating mechanism, of a tidal filled reservoir located between high and low tide levels, a winding counterweight receptacle operatively connected with said signal actuating mechanism to be raised by the signaling mechanism when empty, and to rewind the latter when filled, said reservoir and said receptacle each being provided with outlet valves automatically operated in alternation by the upward and the downward movements of the receptacle to control respectively the admission of liquid from the reservoir to the receptacle and discharge of liquid from the receptacle, substantially as described.

1,519,343. RESTORING MEANS FOR AUTOMATIC SWITCHES. ARTHUR H. ADAMS, Lakeville, Conn., assignor to The North Electric Manufacturing Company, Gallon, Ohio, a Corporation of Ohio. Filed Jan. 18, 1922. Serial No. 530,135. 8 Claims. (Cl. 179-27.5.)

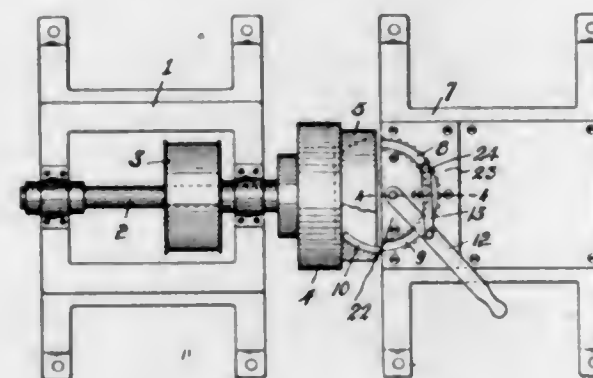
1. In combination, a frame, a shaft mounted for longitudinal and rotary movement therein, a collar rotatably mounted on the shaft, means engaging the collar

to limit its rotation in one direction with respect to the frame, and a helical coiled spring fastened to said



collar and shaft, the points of attachment of said spring to the collar and shaft being twisted with respect to the shaft to provide a rotary component of force.

1,519,344. MEANS FOR CUTTING SPHERICAL OPENINGS. HERBERT ALLEMEIER, Maumee, Ohio. Filed Sept. 18, 1922. Serial No. 588,828. 1 Claim. (Cl. 144-33.)

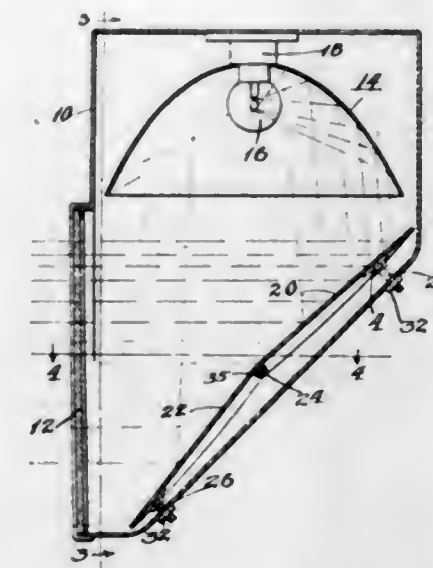


In an apparatus of the class described, a rotatable work holder, a guide member disposed opposite to and spaced from said work holder including a block having a concave edge, and a second block having a convex edge spaced from said concave edge to provide a race way in conjunction therewith, a metal plate secured on said block having the concave edge and projecting over the same, a metal plate secured on top of the block having the convex edge and projecting over the same in spaced relation with the adjoining edge of said first mentioned metal plate to provide a second race way, a lever pivoted at its inner end to said first mentioned block concentrically of the first raceway, a curved knife slidably positioned in the first raceway, a pin attached to the inner end of said knife and having a bearing in the raceway formed by the adjoining edges of said plates, and a link connected to said pin and to the lever.

1,519,345. HEADLIGHT. CHARLES H. ALLEN, Chicago, Ill., assignor, by mesne assignments, to The Alenlite Company, a Corporation of Illinois. Filed July 22, 1921. Serial No. 486,777. 1 Claim. (Cl. 240-41.)

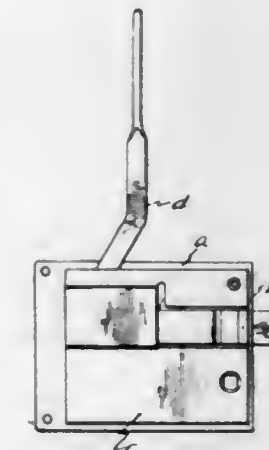
In a head light structure, a casing, an incandescent lamp secured in one end of said casing and projecting

in a vertical plane, a parabolic reflector surrounding said lamp, a pair of curved deflectors having a common hinge, means for independently adjusting each curved de-



flector, said curved deflectors being arranged at an angle to a vertical plane and a vertically arranged lens in said casing.

1,519,346. NIGHT LOCK. ANDREW CHRISTIAN ANDERSEN, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 14, 1921. Serial No. 522,211. 11 Claims. (Cl. 70-29.)

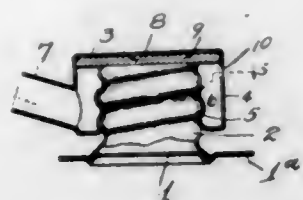


1. In a lock, the combination of a case, a sliding bolt guided therein, an outside bolt retractor, a locking dog in the form of a plate engaging the retractor to dog the same, a locking member engaging with the plate at one point for actuating the same, and an inside turn member engaging the plate at a remote point and arranged to turn the dog positively into dogging position or into non-dogging position.

1,519,347. CONTROLLING DEVICE FOR LIQUID RECEPTACLES. LOESSIE E. ANDERSON, Chicago, Ill., assignor of one-half to W. E. Warwick, Chicago, Ill. Filed Mar. 10, 1915. Serial No. 13,480. Renewed Nov. 10, 1920. Serial No. 423,177. 3 Claims. (Cl. 221-22.)

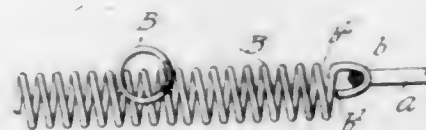
2. The combination with a receptacle, of a movable spout carrying part having inner and outer over-lapping walls separated by a space, a spout connected with the outer wall and communicating with said space, the inner wall provided with threads, a threaded part within the spout carrying part and engaging the threads on the inner wall, said receptacle provided with an open-

ing through which liquid may pass to said space and said spout, the passage of liquid through said opening being controlled by the relative movement of said threaded part and spout carrying part, the outer wall



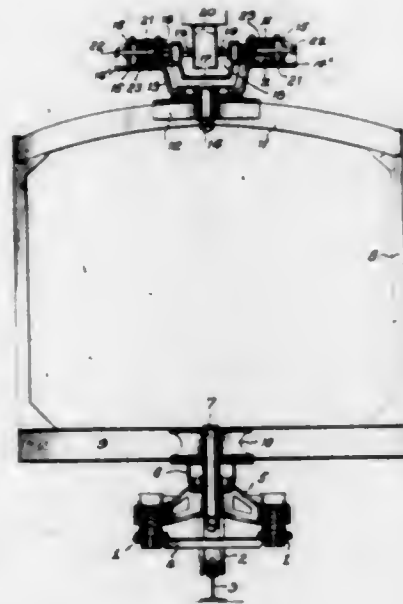
carrying the spout being provided with a hole, at the back thereof and connecting said space with the outside atmosphere, said hole being open during all of the various positions of said threaded part and said spout-carrying part.

1,519,348. METHOD OF ASSEMBLING WIRE SPRING FABRICS. GEORGE W. BARNES, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Oct. 15, 1921. Serial No. 507,907. 2 Claims. (Cl. 5-269.)



1. The method of connecting a helical spring with an upholstering spring which comprises forming the helical spring with an end seat to which the upholstering spring is inaccessible except by rotation of the helical spring, then inserting a portion of the upholstering spring between the coils of the helical spring and rotating the latter to move the portion of the upholstering spring toward the seat and thereby engaging the upholstering spring in the said seat.

1,519,349. GUIDING MEANS FOR CAR BODIES. OLIVER E. BARTHEL, Detroit, Mich. Filed Jan. 20, 1921. Serial No. 438,613. 9 Claims. (Cl. 103-147.)



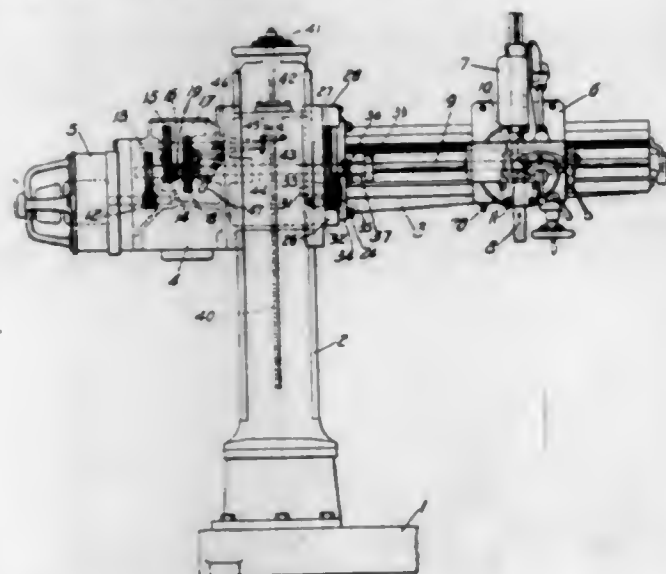
1. The combination of a car body, a rail above said body, and swiveled yieldable means engaging opposite sides of said rail to prevent excessive tilting of said body, said means being laterally yieldable relative to said rail.

1,519,350. METAL SHINGLE. GEORGE A. BELDING, Billings, Mont. Filed May 27, 1922. Serial No. 564,240. 9 Claims. (Cl. 108-17.)



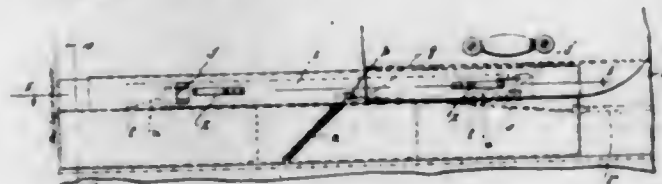
1. A sheet metal shingle or the like having an open folded flange on one side for engagement with a like flange on an adjoining shingle, there being a longitudinal corrugation on one flange to space the flanges apart and form a longitudinal draining port within the corrugation.

1,519,351. RADIAL DRILLING MACHINE. HAROLD L. BLOOM, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 29, 1922. Serial No. 609,735. 7 Claims. (Cl. 77-28.)



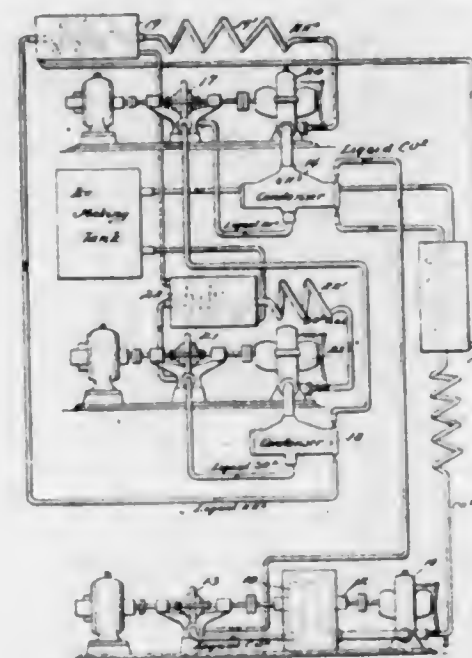
1. A radial drilling machine comprising the combination of a vertically extending column, a horizontal arm movable vertically thereon, drill spindle supporting means on the arm, a drill spindle rotatably mounted therein, power means for rotating the spindle, and means operated by the said power means for rotatably adjusting the spindle supporting portion of the arm about a horizontal axis extending longitudinally there-through.

1,519,352. HOOD LOCK. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed Mar. 24, 1924. Serial No. 701,567. 11 Claims. (Cl. 70-14.)



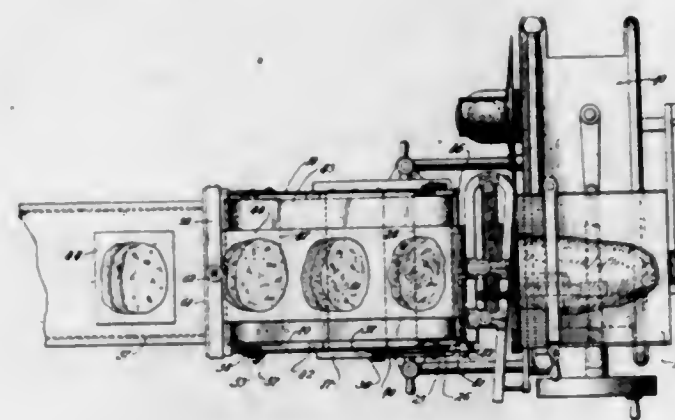
10. In an automobile, the combination of a swinging hood wing, a sill provided with a bolt guide, a sliding bolt guided therein and also capable of a limited lifting movement therein, means for urging the bolt into locking position, an inwardly projecting striker supported on the inside of the hood wing and arranged to drive through the bolt to lift the same to pass to locking position, and means for sliding the bolt lengthwise and for lifting the bolt at the same time to release the striker.

1,519,353. REFRIGERATION AND POWER SYSTEM. WILLIAM SPENCER BOWEN and HORACE DUMARS, New York, N. Y., assignors, by direct and mesne assignments, to Bowen-Dumars Power Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1920. Serial No. 407,114. 10 Claims. (Cl. 62-178.)



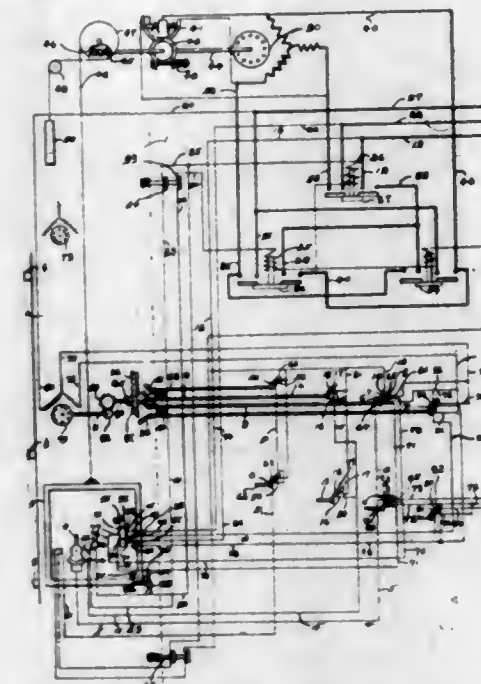
1. The process of utilizing gases having lower liquefaction temperatures than normal atmospheric temperatures and having different liquefaction temperatures, which consists in liquefying said gases, regasifying them under pressure, expanding them in the gasified state to do useful work, and reliquefying all of the gases except the one having the lowest liquefaction temperature by passing each through the liquefied gas of next lower liquefaction point and liquefying the gas of lowest liquefaction point by subjecting it to the temperature of its expanding uncondensed vapor and applying thereto power from an external source.

1,519,354. SLICE RECEIVER FOR SLICING MACHINES. ROBERT H. BROWN, Scranton, Pa., assignor to U. S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed July 10, 1922. Serial No. 573,989. 14 Claims. (Cl. 146-94.)



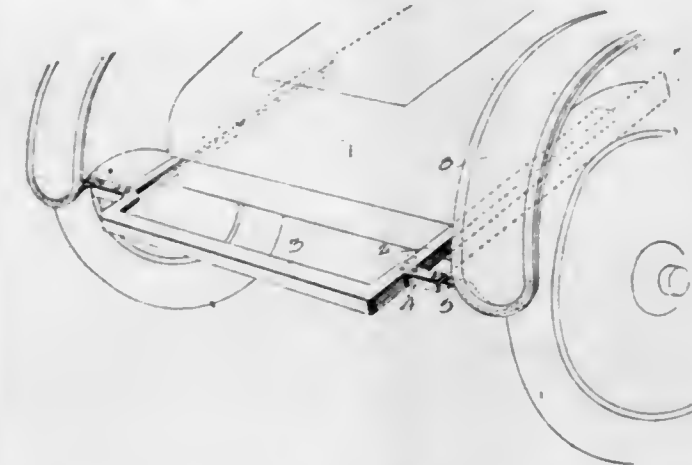
1. The combination with mechanism for periodically depositing slices of material, of a receiver for said slices, means for imparting periodic movement to said receiver to cause the arrangement of said slices in offset relation to one another, and means for imparting a greater movement to said receiver for separating the slices into groups.

1,519,355. DOOR-CONTROL MECHANISM. JOHN A. BRUBAKER, Toledo, Ohio, assignor to The Houghton Elevator & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Jan. 15, 1921. Serial No. 437,476. Renewed Sept. 6, 1924. 25 Claims. (Cl. 187-52.)



6. An elevator shaft having landings, an elevator car in said shaft, a power drive for the car, a gate at a landing, a power drive a device for opening the gate, said car traveling as to said drive device, a controller operable from the car for setting into operation a gate opening drive device, and connections from said controller independently of the gate for cutting out the elevator drive.

1,519,356. COMBINATION FENDER BRACE AND BUMPER. REINER L. BENTING, Columbus, Nebr., assignor to Fred S. Davis, William D. Eggert, Carroll E. Devlin, and Frank A. Olcott. Filed May 4, 1923. Serial No. 636,633. 3 Claims. (Cl. 293-55.)

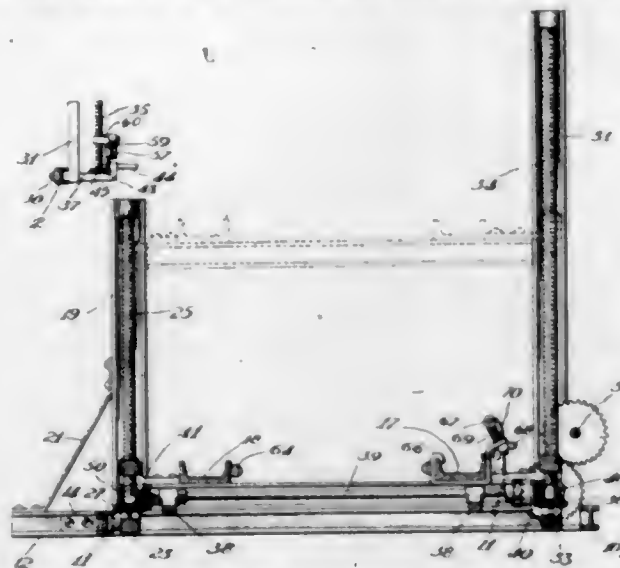


1. In combination, a vehicle body including a pair of fenders and a chassis, and a combination fender brace and bumper including a pair of rods secured to the chassis, a cross bar secured to the ends of the first mentioned bars, and brackets secured to the ends of the cross bar and also secured to the ends of the fenders all in the manner and for the purpose specified.

1,519,357. ELEVATING AND TILTING DEVICE FOR AUTOMOBILES. HARRY CAMPBELL, Chicago, Ill. Filed May 14, 1923. Serial No. 638,711. 5 Claims. (Cl. 214-117.)

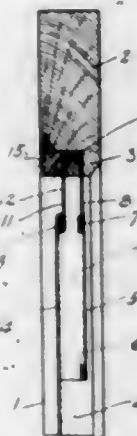
1. In a device of the class described, a track frame, pivoted extensions serving as an inclined track leading to the track frame, said extensions being movable on their pivots to elevated positions which will close the

ends of the track on the track frame and thereby confine the wheels of a vehicle on said frame, means for



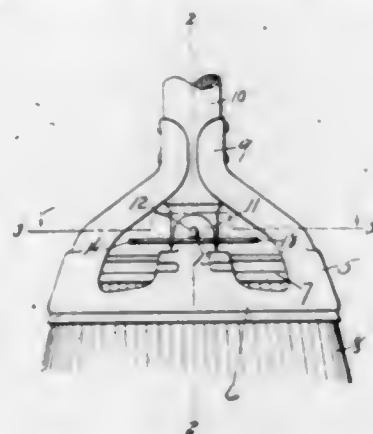
locking said extensions in elevated position, and means for tilting the track frame so as to furnish access to the under parts of a vehicle thereon.

1,519,358. SCREEN DOOR OR WINDOW. JESSE L. CARRIGAN, Birmingham, Ala. Filed July 5, 1923. Serial No. 649,672. 6 Claims. (Cl. 156-37.)



1. A screen frame having an outer sheet of foraminous material provided at its upper edge with exit openings for the escape of insects, an inner imperforate opaque wall spaced inwardly from and depending below that portion of the outer foraminous sheet in which the exit openings are provided, and a foraminous apron extending downwardly from said inner wall and adapted to form an open bottom trap between it and the outer foraminous sheet.

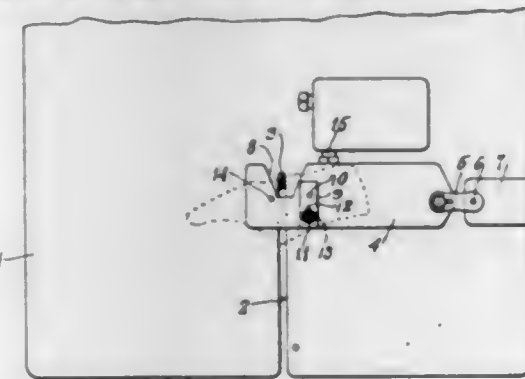
1,519,359. BROOM. HENRY CAVE, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 16, 1924. Serial No. 686,550. 3 Claims. (Cl. 15-176.)



1. A holder for broom heads comprising side parts forming a socket for a broom-head with ears extending from said side parts, lugs projecting from said ears to

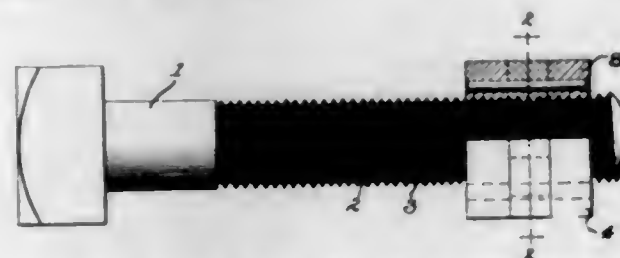
form notches on the outer surface thereof, and a fastening ring having an opening with notches in the edges thereof to receive said lugs and thereby enable the edge of the opening in the ring to be located in the notches formed by said lugs.

1,519,360. MECHANISM FOR FORMING HINGES OF LASTS FOR SHOES. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed June 6, 1923, Serial No. 643,609. Divided and this application filed Mar. 17, 1924. Serial No. 699,682. 3 Claims. (Cl. 143-171.)



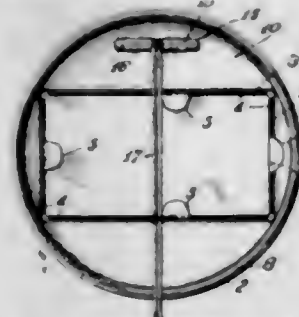
1. In a machine for working upon a last, a table, a saw operating in a slot therein, a swinging block pivotally mounted thereon, a stop for limiting the movement of said block, said block having a cut-away portion for receiving said saw, pins located on either side of said cut-away portion on the block adapted to project into apertures in a last mounted thereon, said last being arranged to span a portion of the cut-away portion of the block, whereby the last may be severed to the extent desired, without the saw coming in contact with the block.

1,519,361. NUT LOCK. ROGER I. CLAPP, Shanghai, China. Filed Aug. 15, 1923. Serial No. 657,617. 1 Claim. (Cl. 151-10.)



A lock nut of the class described comprising a bolt having its threads divided into longitudinal rows of teeth, a nut having a recess therein which communicates with the bore of the nut, a toothed member in the recess, the teeth of which engage the teeth on the bolt, means for preventing the member from turning in one direction, such means consisting of teeth on a portion of the wall of the recess for engaging the teeth on the member.

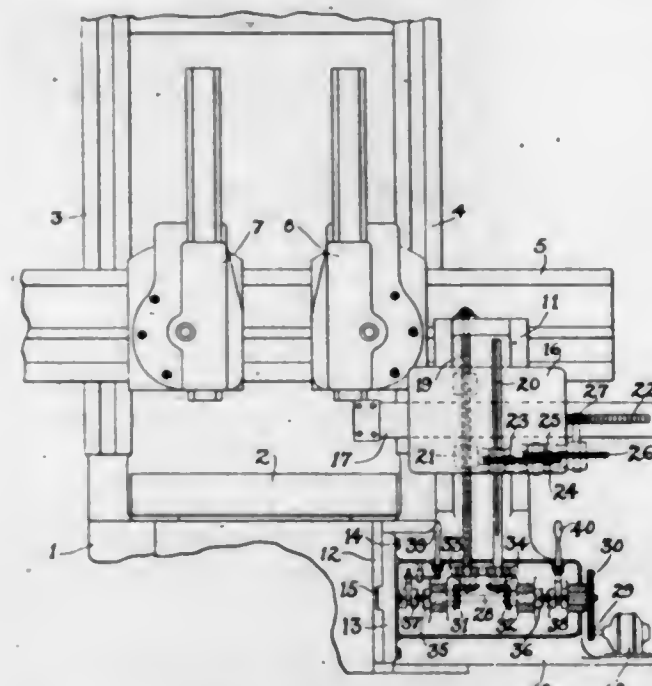
1,519,362. BADGE OR BUTTON. CURTIS L. CRUYER, Oak Park, Ill. Filed Apr. 10, 1924. Serial No. 705,450. 8 Claims. (Cl. 40-1.6.)



4. A badge or button comprising two peripherally flanged interfitting disks having registering central openings, a transparent covering for the outer disk having

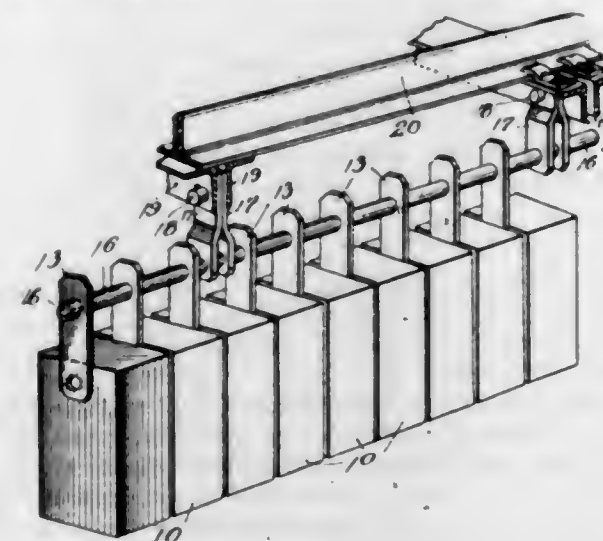
its peripheral edge-portion clamped between said peripheral flanges of said disks, coating means on the latter for assuring relative positioning thereof to effect registry of said openings, and card-retaining projections on one of said disks coacting with said transparent covering to retain a card within said registering openings.

1,519,363. AUXILIARY TOOL SUPPORT. JAMES K. CULLEN, New York, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 8, 1921. Serial No. 506,401. 8 Claims. (Cl. 29-29.)



1. In a boring mill, the combination of a bed, a work table rotatably mounted thereon, a vertically extending upright adjacent the table, tool supporting means carried by the upright, the bed being provided with a supporting cheek on one side thereof, an auxiliary tool supporting column removably and rigidly secured to the said cheek on the bed of the machine beneath the work table and extending upwardly to a position adjacent and above the table, a tool supporting saddle carried by the column, a tool holder carried by the saddle, and means for moving the saddle along the column and the tool holder in the saddle.

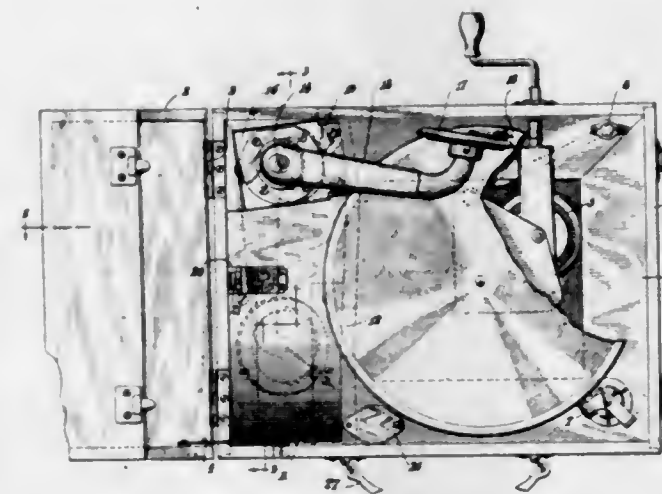
1,519,364. FIRE-ARCH STRUCTURE. CHARLES L. DAVIDSON, New York, N. Y. Filed Oct. 24, 1921. Serial No. 509,783. 7 Claims. (Cl. 110-95.)



1. In a fire arch structure, the combination with a supporting member, and carrier members arranged in sections, each section being detachably connected to said

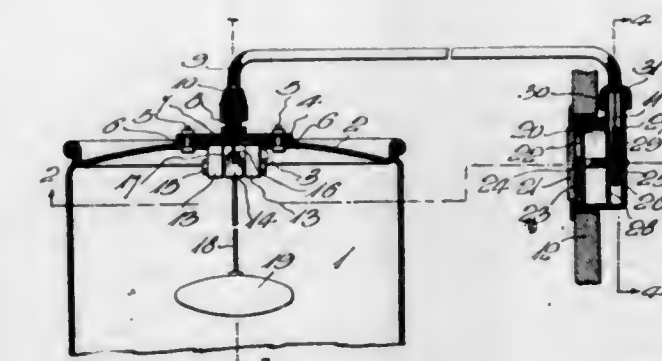
supporting member, of thin metal strips strung upon said carrier member sections, and each having a laterally extending boss or projection, and fire bricks or tiles each having a depression or seat formed therein to detachably receive a projection or boss on one of said metal strips.

1,519,365. PHONOGRAPH. LUIS DE FLOREZ, Poinfret, Conn. Filed Dec. 29, 1922. Serial No. 609,604. 7 Claims. (Cl. 274-2.)



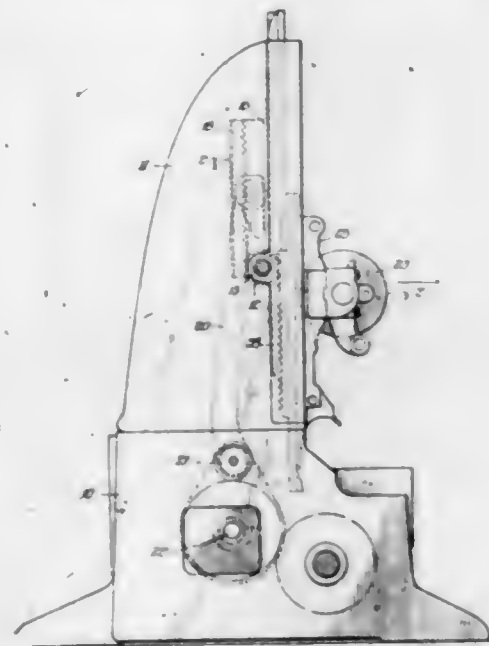
1. In a phonograph, a tone arm pivotally mounted at one end thereof and having a sound box at the opposite end thereof, and a hinged mounting for supporting said tone arm located intermediate the ends thereof and so positioned as to balance the tone arm when in playing position and to permit said tone arm to be housed within the phonograph case by manipulation of the tone arm itself.

1,519,366. GASOLINE GAUGE. JAMES ERWIN DORMAN, Detroit, Mich. Filed Oct. 29, 1923. Serial No. 671,627. 1 Claim. (Cl. 73-82.)



An automobile gasoline gauge comprising a plate, means for attaching the plate to the outer side of a vertical wall of the gasoline tank over an opening in the latter, a wire guiding tube secured to and extending outwardly from said plate, a flexible wire in said tube extending beyond the inner side of said plate, a pair of bearing arms extending from the inner side of said plate in horizontally spaced relation, a hub between said arms, a pivot passing horizontally through said arms and hub, a crank arm extending from said hub and connected to said wire for sliding it in said tube, a float and a carrying arm of said float extending from said hub.

1,519,367. PRINTING-PRESS-OPERATING MECHANISM. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,608. 7 Claims. (Cl. 101-282.)



2. In a printing press, the combination of a type bed having a rack, a cylinder frame having a rack, gear means operatively connected with said racks whereby when the press is in operation there is a relative reciprocatory movement of said type bed and cylinder, and driving means for operating said parts.

1,519,368. PACKAGE FASTENER. SEXTUS A. EDDINS, Brockton, Mass., assignor to Cordo-Hyde Company, Brockton, Mass., a Corporation of Massachusetts. Filed Mar. 7, 1924. Serial No. 697,645. 1 Claim. (Cl. 24-18.)

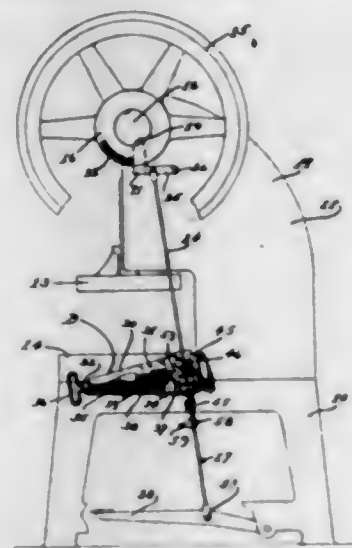


A package fastener, comprising a circular member having a dome shaped portion and an upwardly inclined flange formed integral therewith at its periphery, said dome shaped portion being provided with a plurality of perforations, and a cord having a knot at one end, the knotted end lying within the concavity of the dome, said cord passing upwardly through one of the holes and thence downwardly through the other hole, whereby, when the loose cord portion is wrapped about a bundle, the convolutions of the cord will be interlocked beneath the flange and with the portion of the cord adjacent the second of the holes in the dome shaped portion.

1,519,369. PUNCH-PRESS SAFETY APPLIANCE. OBADIAH ALBERT ELMER, Ogdensburg, N. Y. Filed Dec. 21, 1921. Serial No. 523,953. 2 Claims. (Cl. 192-129.)

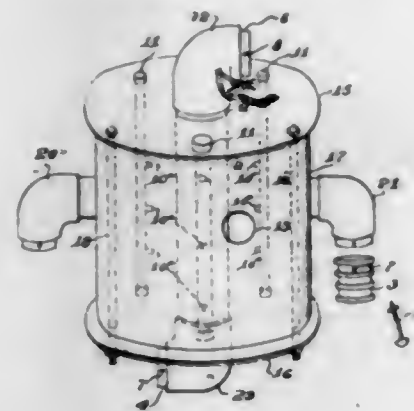
1. The combination with a power press including a frame, a bed, an operating shaft, a drive pulley wheel loosely mounted upon the shaft, means for establishing driving connection between the drive pulley wheel and the shaft, a treadle mechanism for operating said means for establishing driving communication between the pulley wheel and the shaft including a connecting rod, resilient means connected to said rod for normally urging

the same in one direction, of a safety appliance for the press for preventing the normal actuation of the treadle operating means including a base plate secured to the frame of the press adjacent to the bed, a latch bar slidably mounted on the base plate, a slide block adjustably secured to the rod, a guide mounted upon the base plate



for receiving said slide block, an abutment formed on the slide block, spring means normally urging the latch bar into the path of the abutment for preventing movement thereof in one direction, a hand grip formed on the outer end of the latch bar and disposed in relatively close relation to the bed.

1,519,370. INSTANTANEOUS STARTER. JOHN THOMAS EVANS, JR., Brooklyn, N. Y. Filed Jan. 16, 1923. Serial No. 613,075. 3 Claims. (Cl. 263-5.)

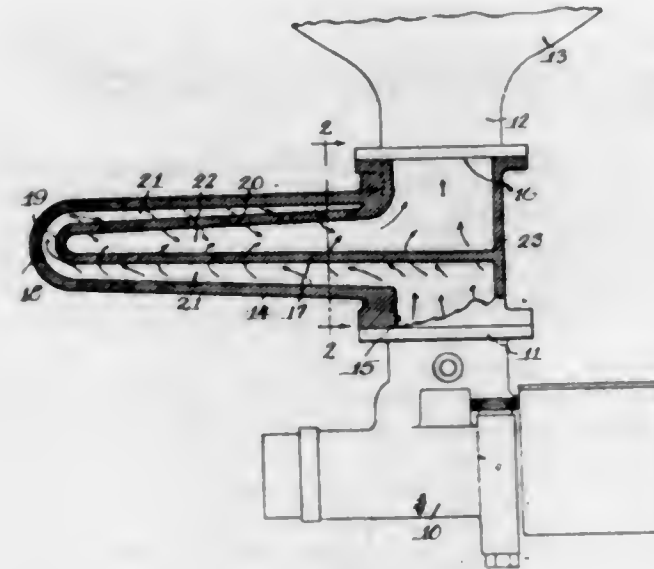


1. A heating device for combustion engines comprising means forming a heating chamber, a conduit passing therethrough, a normally closed valve for controlling the passage of gas to said chamber, ignition means in said chamber, and means for opening said valve and operating said ignition means at substantially the same time.

1,519,371. ATTACHMENT FOR CARBURETORS. WILLIAM W. FARNSWORTH, Chicago, Ill. Filed Feb. 13, 1922. Serial No. 536,201. 5 Claims. (Cl. 48-180.)

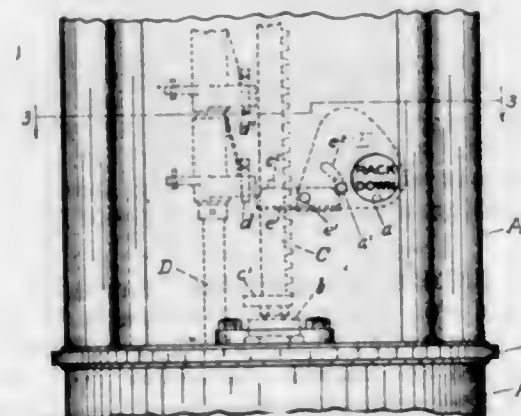
1. In combination, a carburetor, an engine cylinder, a casing interposed between the carburetor and cylinder and having an inlet in communication with the carburetor and an outlet in communication with the engine intake, means in the casing dividing the casing into passages, one of which passages partially encompasses the other, said passages having communication with each other along one edge of the said means, one of said passages having communication with the said inlet, and

another of the passages having communication with the said outlet whereby suction will be created in one of the passages to draw the fuel into the said passages



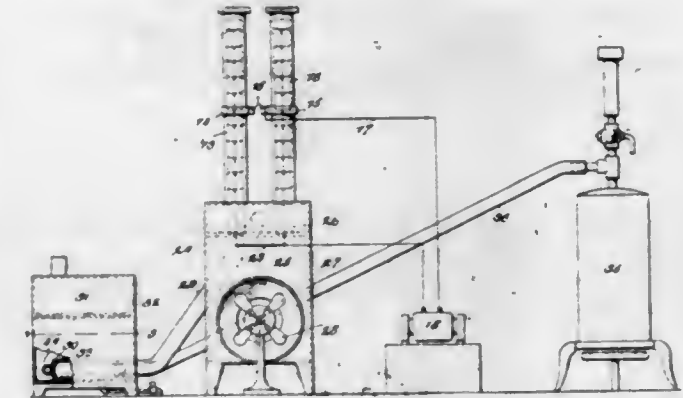
from the other passage and will cause the fuel currents to clash in one of said passages as they pass around the said means.

1,519,372. SIGNAL FOR MEASURING PUMPS. BENJAMIN F. GEYER, Fort Wayne, Ind., assignor to Wayne Tank and Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Jan. 28, 1924. Serial No. 689,050. 4 Claims. (Cl. 116-114.)



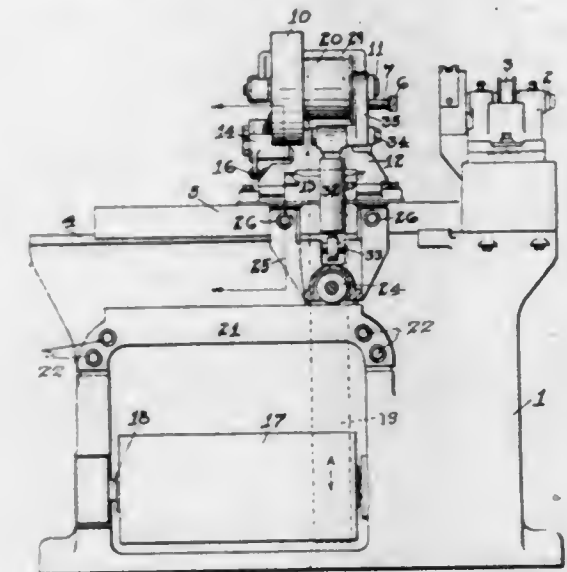
3. In combination with an enclosed rack-driven measuring pump in which the liquid is pumped by lifting the plunger, a window in said enclosing casing through which a signal may be seen from the outside of the pump, a lug fixed to said rack, an arm within said casing, a signal on one end of said arm, a lever on the other end of said arm adapted to engage said lug, said arm so proportioned and pivoted as to have the signal exposed through the window by the engagement of said lug with said lever when the rack is in its lowest position.

1,519,373. COMMERCIAL OZONIZER. JAMES D. HART, West New Brighton, N. Y., assignor of forty-five per cent to Patrick F. Quinn, New York, N. Y. Filed Apr. 4, 1922. Serial No. 549,621. 3 Claims. (Cl. 204-32.)



1. An electrode comprising a sheaf of wires twisted together and having their ends bent radially in a plurality of sets of fingers, each finger having its end formed with a curvilinear contact.

1,519,374. GRINDING MACHINE. JAMES N. HEALD, ALDEN M. DRAKE, and WALDO J. GUILD, Worcester, Mass., assignors to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1922. Serial No. 583,779. 3 Claims. (Cl. 51-50.)

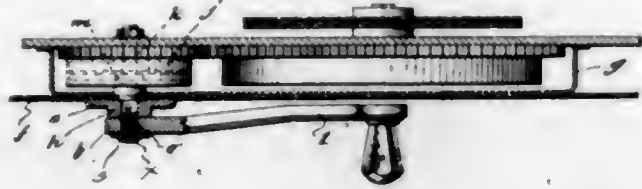


1. In a grinding machine, a base, a table supported on said base and adapted to travel longitudinally, a grinding wheel carried by said table, and movable crosswise thereof, a belt pulley for said wheel in overhanging relation to the table support, a drive pulley below said belt pulley, whereby a downward pull is exerted on the belt pulley and table, and flexibly jointed pressure transmitting means for relieving said pull, whereby said means is adapted to adjust itself to the crosswise movement of the wheel.

1,519,375. HANDLE ASSEMBLY. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 4, 1923. Serial No. 629,824. 4 Claims. (Cl. 292-355.)

1. In a handle assembly, the combination of a spindle having relatively fine serrations on its end with the ridge lines of said serrations extending longitudinally of the spindle, a handle having a hub with an opening

having relatively fine complementary serrations on the walls of the hub, said serrated opening fitting over the serrated end of the spindle, and means for expanding



the serrated end of the spindle into the serrations of the hub to provide a binding engagement, notwithstanding wear and what would otherwise be lack of proper fit of the fine serrations.

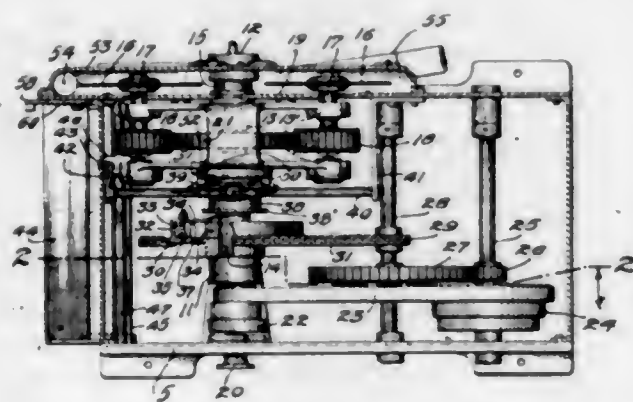
1,519,376. PROCESS FOR PRODUCING TRANSPARENT EFFECTS UPON COTTON FABRICS. HAROLD I. HUEY, Saylesville, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed May 19, 1922. Serial No. 562,243. Renewed Sept. 30, 1924. 1 Claim. (Cl. 8—20.)

The described process for producing transparent effects on woven cotton fabric, consisting in subjecting the woven fabric to the action of hydrochloric-sulphuric acid of a concentration of from 41° to 50° B_e formed by a combination of from one to three and one-third parts sulphuric acid, one part of hydrochloric acid, and then washing and drying the treated fabric.

1,519,377. ALLOY. ERNEST G. JARVIS, Paterson, N. J., assignor, by mesne assignments, to Merco Nordstrom Valve Company, San Francisco, Calif., a Corporation of Delaware. Filed Apr. 13, 1923. Serial No. 631,889. 2 Claims. (Cl. 75—1.)

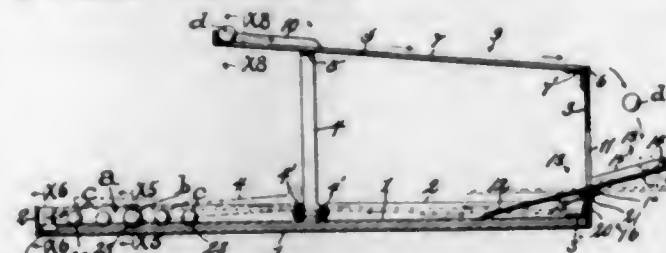
1. An alloy consisting of the following metals taken within the limits of approximately the proportions given: tin 1 to 3 per cent; lead 1 to 4 per cent; iron 2 to 6 per cent; copper 60 to 65 per cent; nickel 22 to 28 per cent; zinc 8 to 12 per cent.

1,519,378. LUMBER-CUT-OFF MACHINE. CHARLES JOHNSON and ARTHUR B. JOHNSON, Minneapolis, Minn. Filed Nov. 22, 1922. Serial No. 602,653. 7 Claims. (Cl. 143—45.)



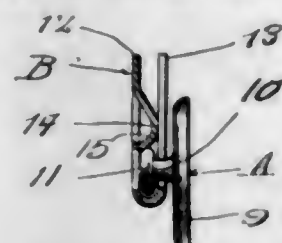
1. In a lumber cut-off machine, the combination with a supporting frame, of a rotary saw-carrying yoke journaled in said frame, a driving shaft journaled concentrically to the axis of said yoke, a driving gear on said driving shaft located within said yoke, saw spindles eccentrically mounted on said yoke and equipped with circle saws and having pinions meshing with said driving gear, said yoke having an axial sleeve and a power driven wheel one of which is loose, and means for connecting the loose member, at will.

1,519,379. GAME APPLIANCE. STEPHEN KEINER, Los Angeles, Calif. Filed Nov. 6, 1922. Serial No. 599,388. 4 Claims. (Cl. 273—95.)



1. A game appliance comprising a base; an enclosure for the front and sides of said base; an upright plate pivotally connected to the rear end of said base; a runway for balls said runway having its rear end pivotally connected to the upper end of said plate; and a folding support for the forward end of said runway.

1,519,380. GARMENT FASTENER. JOSEPH KOCHAN-SKI, Chicago, Ill. Filed May 2, 1924. Serial No. 710,509. 2 Claims. (Cl. 24—224.)

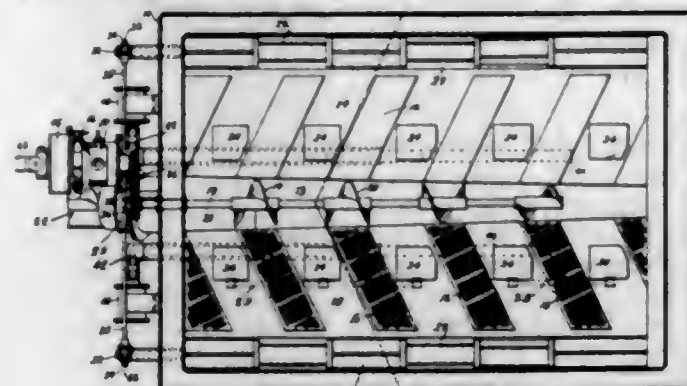


1. A garment fastener comprising a button member having a head and a neck, and a button securing member co-operating therewith, said button securing member having a base part and a button engaging part, parallel therewith and formed with a keyhole slot, said base part having a peaked tongue thereon which extends across the slot and overlies the edge portions thereof and said tongue extending from the base in two inclined directions, and one inclined portion of the tongue capable of engaging the edge of the head of the button member to hold the neck of the button member in the round part of the keyhole slot, the neck of the button member having a limited amount of play in the rounded part of the keyhole slot independent of the tongue, whereby the tongue may relax after the head of the button has passed it to its locked position.

1,519,381. PROCESS OF MAKING IODIC ACID. ARTHUR B. LAMB, Cambridge, Mass., and WILLIAM C. BRAY, Berkeley, Calif. Filed July 17, 1922. Serial No. 575,601. 4 Claims. (Cl. 23—1.)

1. A process comprising converting iodine to iodic acid by treating with an excess of chloric acid.

1,519,382. UNDERFEED STOKER. NATHAN M. LOWER, Pittsburgh, Pa., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed Dec. 11, 1920. Serial No. 429,968. 18 Claims. (Cl. 110—47.)



1. In an underfeed stoking device, in combination, a fire-box bottom inclined downward from its middle portion toward each side thereof and having a central longitudinal

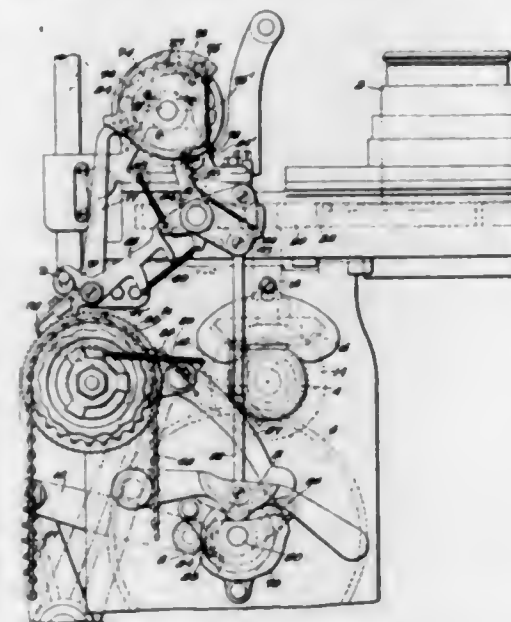
tudinal channel and lateral channels leading outwardly therefrom, the bottoms of the lateral channels inclining downward from the central channel, the portions of such bottom intermediate of the lateral channels being grated, and means for advancing fuel in the central channel.

1,519,383. WEIGHING MECHANISM. HERBERT L. MERRICK, Passaic, N. J. Filed Feb. 28, 1921. Serial No. 448,404. 12 Claims. (Cl. 205—56.)



1. In weighing mechanism, the combination with a weighing beam arranged to support a load therefrom, of a poise weight movable upon the beam; a member rotatably carried by the beam connected to the poise weight; and means in continuous friction engagement with said rotatable member and coacting therewith when the beam is moved out of equilibrium to adjust the poise weight along the beam.

1,519,384. PATTERN MECHANISM FOR KNITTING MACHINES. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Original application filed Apr. 5, 1921. Serial No. 458,640. Divided and this application filed May 27, 1922. Serial No. 564,209. 15 Claims. (Cl. 66—21.)

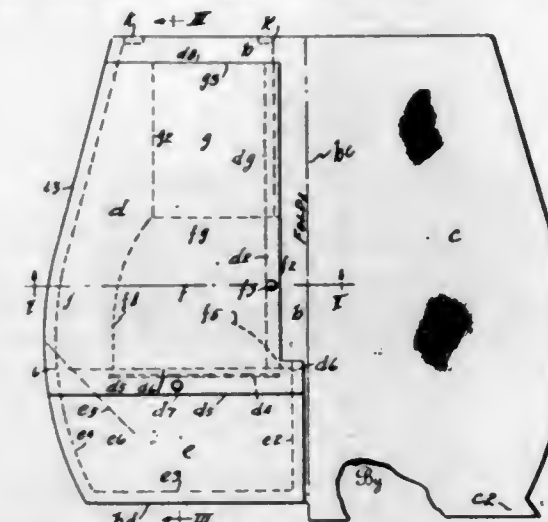


1. A knitting machine having, in combination, a pattern mechanism comprising a ratchet wheel having teeth of different lengths, an actuating pawl, a guard for determining the tooth engaged by the pawl when permitted to engage the ratchet, separate means for normally holding the pawl out of engagement with the ratchet, and means moving with the ratchet wheel for controlling the position of the guard.

1,519,385. GARMENT POCKET. DAVID TRAXLER, Detroit, Mich. Filed Sept. 25, 1922. Serial No. 590,285. 3 Claims. (Cl. 2—253.)

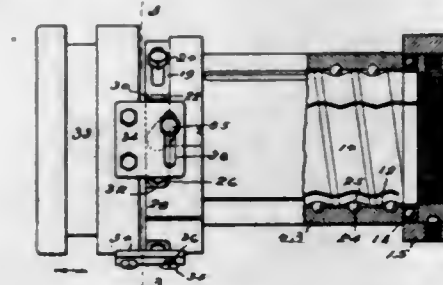
1. A multiple pocket structure consisting of three complementary portions overlying each other, the inner and middle portions integrally connected at the bottom of the pocket and stitched to each other at other points

so as to form a plurality of pocket compartments, and the third outside portion integral with the inside portion on one vertical edge of the pocket and stitched to



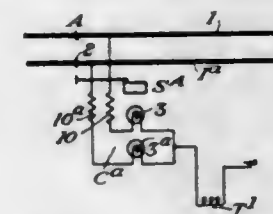
the other portions on the remaining edges, thereby forming a large pocket compartment substantially the size of one of the complementary portions.

1,519,386. CLUTCH. ALEXANDER URQUHART, Derby, Conn. Filed May 29, 1923. Serial No. 642,102. 15 Claims. (Cl. 192—54.)



13. A clutch comprising an inner sleeve, an outer expandable sleeve, said sleeves being associated so that one may be rotated but not moved lengthwise with relation to the other, means intermediate the sleeves whereby the rotation of one sleeve with relation to the other in either direction from neutral position causes said means to expand the outer sleeve, and means for causing the relative rotation of the sleeves in either direction.

1,519,387. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 20, 1923. Serial No. 659,915. 6 Claims. (Cl. 246—34.)

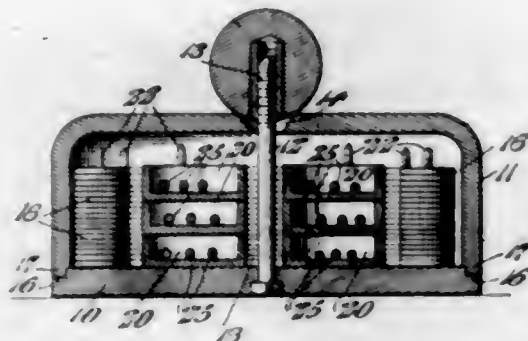


1. Railway traffic controlling apparatus comprising a train governing circuit including the two track rails in multiple, and a signal lamp included in said circuit.

1,519,388. ALLOY. RICHARD WALTER, Dusseldorf, Germany. Filed Aug. 13, 1921. Serial No. 492,144. 2 Claims. (Cl. 75—1.)

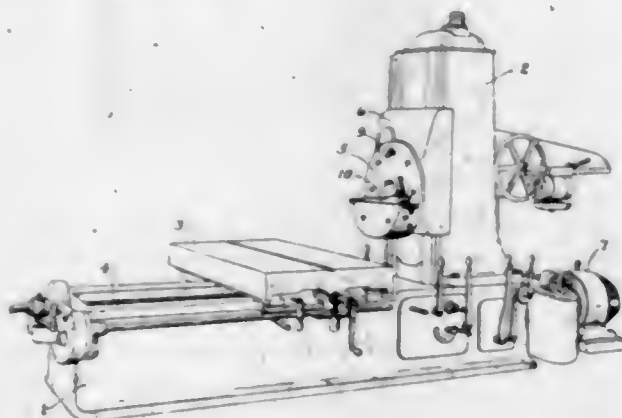
1. A carbon bearing alloy with iron as the predominant element, having incorporated therein a boron content within the limits of 0.001 and 0.1%.

1,519,389. STACKING DEVICE FOR CHIPS OR COUNTERS. LOUIS WENTES, Philadelphia, Pa. Filed Nov. 25, 1922. Serial No. 603,292. 1 Claim. (Cl. 273-148.)



A chip stacking device, comprising in combination a base, means for stacking a plurality of stacks of chips on said base to prevent displacement of individual chips or stacks of chips, an ash tray, means removably secured to said ash tray for holding stacks of chips against displacement, and cover means for said base arranged to enclose said stacking means and said tray in disassembled condition.

1,519,390. TOOL-FEEDING MECHANISM. EDWARD H. WRAY, Philadelphia, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 16, 1921. Serial No. 501,121. 9 Claims. (Cl. S2-2.)

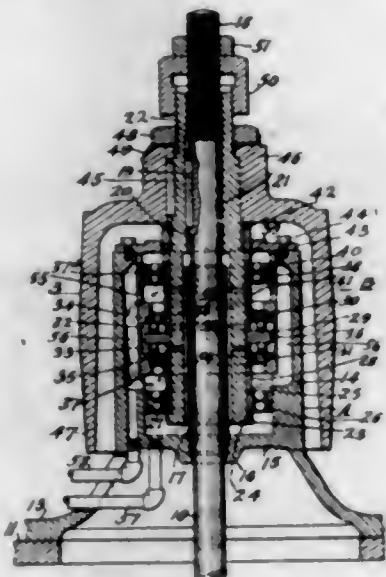


1. A tool feeding mechanism comprising the combination of a headstock, a rotary spindle therein, a face plate on the spindle, a tool holder adapted to support a tool thereon for feeding movement substantially radially of the face plate, a ring gear surrounding the spindle and bolted to the headstock adjacent the face plate, an operative connection between the ring gear and the tool holder for automatically and continuously feeding the tool holder as the spindle rotates, and means comprising change speed gearing in the said operative connection and on the face plate for varying the feeding speed of the tool holder relative to the spindle rotation.

1,519,391. SHAFT BEARING. HARRY F. BENSON, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 28, 1921. Serial No. 440,605. 6 Claims. (Cl. 64-56.)

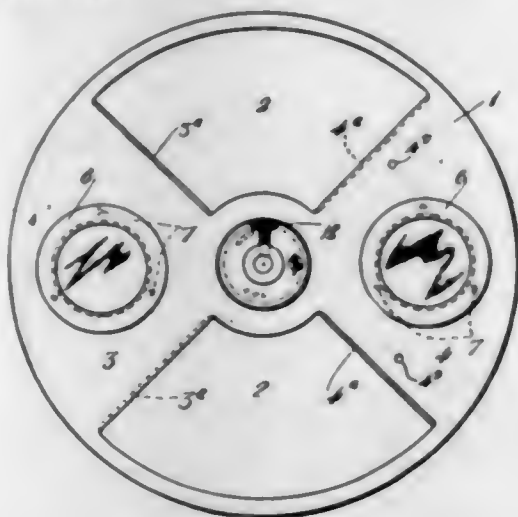
1. A vertical shaft bearing comprising a load sustaining member having outer and inner spaced walls forming a lubricant reservoir therebetween, a shaft surrounded by the inner wall exteriorly of the reservoir, a hollow sleeve carried by said shaft and telescoping over the inner wall and extending below the lubricant level to form a liquid seal, spaced radial thrust bearings between the outer wall of the lubricant reservoir and the outside of said

sleeve, axial thrust bearings disposed between the sleeve and outer wall and intermediate the radial bearings and including bearing races having spherical seating faces, a



cage supported on the outer wall and having cooperating spherical seats receiving said faces whereby the said bearings are self-aligning, and lubricant pumping means in said sleeve for flushing the bearings with lubricant.

1,519,392. SHUTTER FOR CINEMATOGRAPH APPARATUS. REUBEN WALLACE BOND, Newport, Wales. Filed Oct. 21, 1922. Serial No. 596,120. 2 Claims. (Cl. 88-193.)

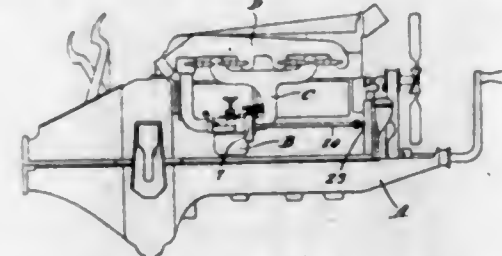


1. A shutter for cinematograph apparatus comprising a disc divided into two symmetrical diametrically opposite opaque portions and two symmetrical diametrically opposite light openings, one of such opaque portions being adapted to cut off the projected light whilst the film is passing through the gate of the apparatus, and the other opaque portion being adapted to momentarily cut off the projected image whilst the film is stationary, an aperture provided in the latter opaque portion being filled with an amber coloured filter, and the other opaque portion being provided with an aperture filled with two superimposed filters, one being amber coloured and the other green.

1,519,393. FUEL ECONOMIZER FOR INTERNAL COMBUSTION ENGINES. OSCAR W. BROBERG, Cleveland, Ohio; Mabel Broberg administratrix of said Oscar W. Broberg, deceased. Filed Aug. 30, 1922. Serial No. 585,290. 7 Claims. (Cl. 123-119.)

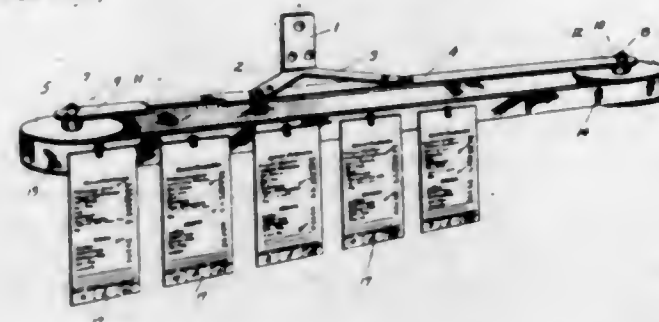
1. In an internal combustion engine, a valve mechanism adapted to be inserted between the intake manifold and carburetor, comprising a plate having an aper-

ture therethrough, the peripheral edge of the aperture having an annular groove serving as a trough at its lower portion, a tube secured to the lower edge of said plate and in the plane of the latter and pipes connecting said tube and trough, whereby liquefied gases flowing



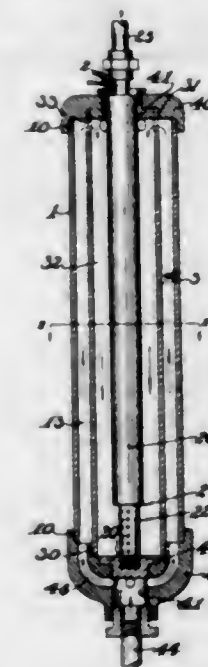
back from the intake will flow into the trough, down the pipes and thence into the edge tube, a control valve for directing the entrance of gases into said tube and thence to said pipes, and means for controlling said valve, substantially as set forth.

1,519,394. CARD RACK. THOMAS O. BROOKS, Dallas, Tex., assignor to H/G Sandwich Shops, Inc., Kansas City, Mo., a Corporation of Missouri. Filed Dec. 22, 1922. Serial No. 608,459. 4 Claims. (Cl. 186-1.)



1. A card rack comprising spaced suspended pulleys mounted on vertical axes, an endless belt passing around the pulleys with its flat sides vertical and card engaging means carried by the belt.

1,519,395. WATER HEATER. WILLIAM A. CLENCH, Seattle, Wash., assignor of one-half to George H. Sandburn, Seattle, Wash. Filed Aug. 7, 1920. Serial No. 401,857. 3 Claims. (Cl. 219-39.)



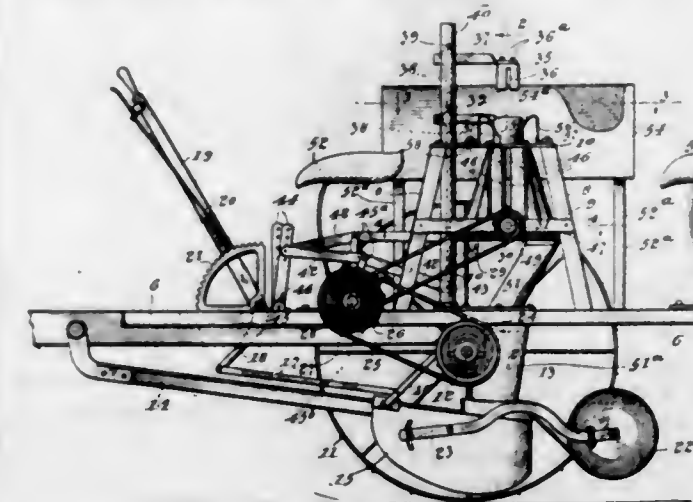
1. A water heater comprising, in combination, an upper and a lower head each having a central bore, a plug secured in the upper side of the lower head and closing said bore therein, an outer, an inner, and an intermediate pipe nested to form a series of superposed

jackets, said inner pipe having its lower end perforated and secured in said plug and its upper end projecting through the bore in the upper head, said outer and intermediate pipes being secured in the heads, and the intermediate pipe being perforated upon a level with the lower side of the upper head, said lower head having an intake port leading to the outer jacket, and a heating element surrounding said inner pipe.

1,519,396. ORE-TREATING PROCESS. FRANK M. DARROW, Jackson, Calif. Filed Aug. 1, 1922. Serial No. 579,037. 9 Claims. (Cl. 75-185.)

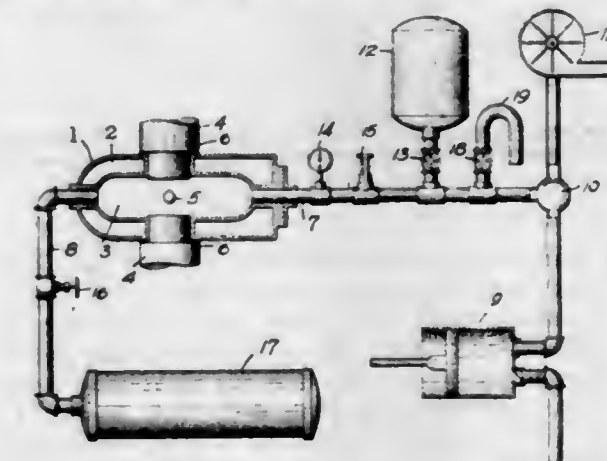
1. The process of treating gold and silver bearing tailings containing a substance tending to join to and hold the precious metals within the pulp, consisting of neutralizing such tendency of said substance by feeding into the pulp a solution of the sodium or potassium salts of the organic acids of the higher members of the series $C_{11}H_{23}O_2$, and extracting the precious metals by cyanide solution.

1,519,397. POTATO PLANTER. JOSEPH P. DAVENPORT, Wheaton, Ill. Filed Mar. 20, 1920. Serial No. 369,816. 6 Claims. (Cl. 146-59.)



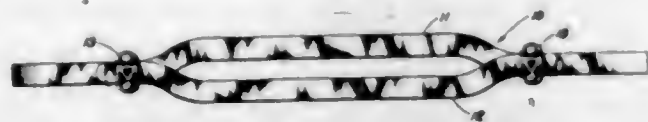
1. A potato planter comprising in combination crossed severing blades a plurality of elongated hoppers, provided with end plates and intermediate opposing flexible fingers, and means for adjusting said fingers towards and from each other.

1,519,398. ARC CONVERTER. HAROLD F. ELLIOTT, Palo Alto, Calif., assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Dec. 14, 1921. Serial No. 522,336. 4 Claims. (Cl. 250-38.)



1. In an arc converter, an arc chamber, a pump for exhausting the chamber, a blower, and a single means arranged to connect either the pump or blower with the arc chamber.

1,519,399. CLAMPING DEVICE FOR AUTOMOBILE BUMPERS. ROLLIE B. FAGEOL, Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Apr. 10, 1923. Serial No. 631,077. 5 Claims. (Cl. 293-55.)



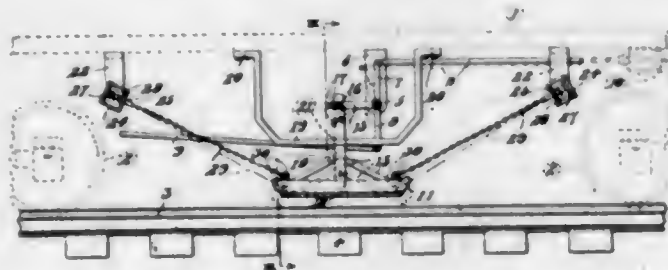
1. A device for securing two members in fixed relation to each other, comprising a clamping plate, an intermediate filler plate resting against the face of one of the members and embracing the opposite edges thereof, a second clamping plate resting against the face of the other member, and means for securing all of said members in clamping positions.

1,519,400. TRANSMISSION BRAKE. RAYMOND V. FITZ GERALD, Easton, Pa., assignor of one-half to William P. Fitz Gerald, Phillipsburg, N. J. Filed June 6, 1923. Serial No. 643,624. 6 Claims. (Cl. 188-249.)



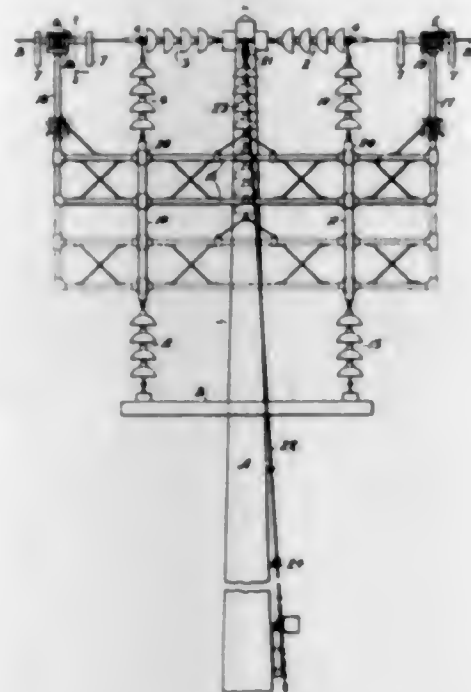
3. In a brake or transmission band, the combination with a drum, of a flexible band encircling the drum, a rod for operating the band, end stops on the ends of the band, upper and lower projections on the band, ears having bases positioned on the ends of the band, slots in the bases into which the upper projections enter, tabs on the bases entering the lower projections whereby the bases are removably secured on the band, said ears having rod receiving slots opening to the side of the band.

1,519,401. EMERGENCY BRAKE FOR CARS. EUGENE GHIA, Bristol, Conn. Filed Apr. 12, 1923. Serial No. 631,531. 2 Claims. (Cl. 188-38.)



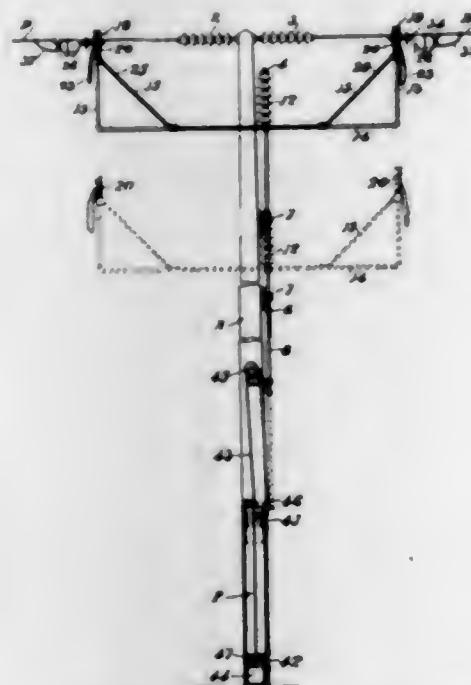
1. A track brake mechanism for railroad cars including a rock shaft journaled transversely of a car, rock arms extending from said shaft and having bifurcated ends, two of said arms being spaced to lie over the rails whereon said car runs and the remaining arm being disposed between the two, each arm having a bifurcated end, a tie rod extending through the sides of said bifurcations, bars pivoted on said rod in said bifurcations and depending therefrom, guide yokes secured to the car and having guide openings through which said bars pass, a tie rod connecting the lower ends of said bars, and brake shoes carried by the outer bars.

1,519,402. HIGH-TENSION OPERATING SWITCH. MOSS E. GRAVES and CARL C. SEVERIN, San Francisco, Calif. Filed Dec. 14, 1921. Serial No. 522,445. 5 Claims. (Cl. 200-48.)



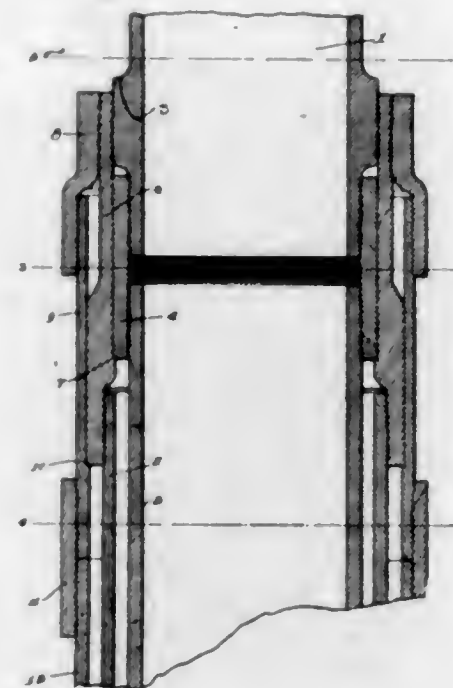
1. The combination with a high potential transmission line and a support therefor having insulating units dead ending the line with relation to the support, of a pair of stationary contacts one on each line, a switch member movable with relation to the contacts, and guides therefor supported by the line to maintain substantial alignment between the stationary contacts and the movable switch member.

1,519,403. HIGH-TENSION OPERATING SWITCH. MOSS E. GRAVES and CARL C. SEVERIN, San Francisco, Calif. Filed Dec. 27, 1922. Serial No. 609,224. 13 Claims. (Cl. 200-48.)



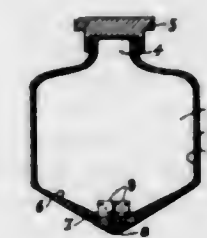
1. The combination with a high potential transmission line and a support therefor having insulating units dead-ending the line with relation to the support, of a switch member movable to and away from the line, and a quick break mechanism carried by the switch and adapted to make or break a circuit through the line.

1,519,404. PIPE JOINT. EDMUND HENDERSON, Tampico, Tamps, Mexico. Filed Jan. 3, 1921. Serial No. 434,597. 4 Claims. (Cl. 285-22.)



1. In a device of the class described, a tubular member having an outstanding rib; a pipe; a coupling connecting the tubular member and the pipe and aligned with the rib; a casing spaced from the pipe; and a collar surrounding the coupling and connecting the rib with the casing.

1,519,405. DICE THROWER. CHARLES L. JOHNSON, San Jose, Calif. Filed May 22, 1923. Serial No. 640,712. 4 Claims. (Cl. 273-145.)

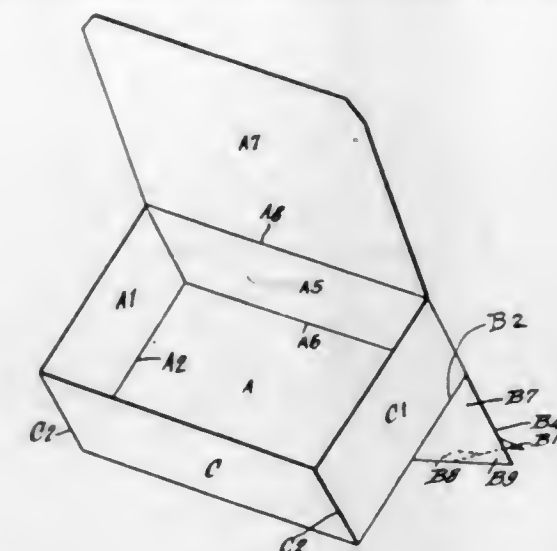


1. A device of the character indicated consisting of a hollow spinning top having transparent side walls forming a multisided chamber, said chamber having its bottom sloping from its side walls downwardly and inwardly toward the center of the chamber, and one or more dice enclosed within said chamber and normally actuated to the center thereof by said sloping bottom when said top assumes a vertical position.

1,519,406. FOLDING BOX. FRANK C. KENNETT, Brooklyn, N. Y. Filed Aug. 28, 1923. Serial No. 659,746. 1 Claim. (Cl. 206-44.)

In a folding box, an easel composed of inner flaps, outer flaps, a back bearing flap, and side bearing flaps, the creases between the inner flaps and the outer flaps

being substantially at right angles with the crease between the back bearing flap and the main body of the easel, and the crease between each inner flap and the



main body of the easel making an angle less than ninety degrees to the adjoining crease between said inner flap and its adjoining outer flap.

1,519,407. EMBRYOTOME. HARRY E. KINGMAN and JAMES FARQUHARSON, Fort Collins, Colo. Filed Nov. 10, 1922. Serial No. 600,146. 3 Claims. (Cl. 128-307.)

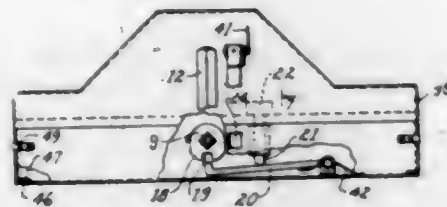


1. In an embryotome, the combination of a sleeve with a head at one end thereof, a rod arranged longitudinally therein, a flexible cutting chain operatively connected at one end to said rod and adapted to slide in and out of said sleeve through said head, means to removably attach the other end of said cutting chain to the outside of said head, with means arranged at the opposite end of said sleeve to operate said rod longitudinally in said sleeve, substantially as described.

1,519,408. SWITCH AND SWITCH BOX. ERIC L. KNAG, Chicago, Ill. Filed Sept. 20, 1920. Serial No. 411,575. 2 Claims. (Cl. 200-50.)

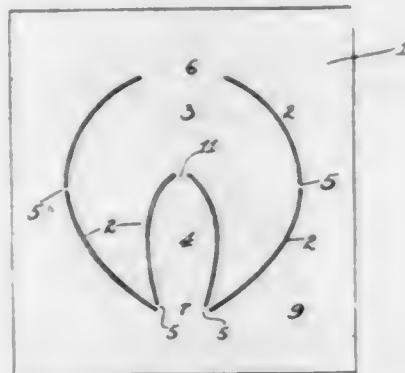
2. The combination of a box and an electric switch, said switch comprising a rod rotatably mounted in said box and extending outside of the box, a switch blade fixed to said rod and insulated therefrom, a wire connector arranged to coact with said blade when the blade is in its closed position and another wire connector

arranged to coact with said blade in all positions of the blade, said box having a lid, and means to prevent opening of said lid when said switch is closed, said means comprising a handle fixed to said rod outside of said



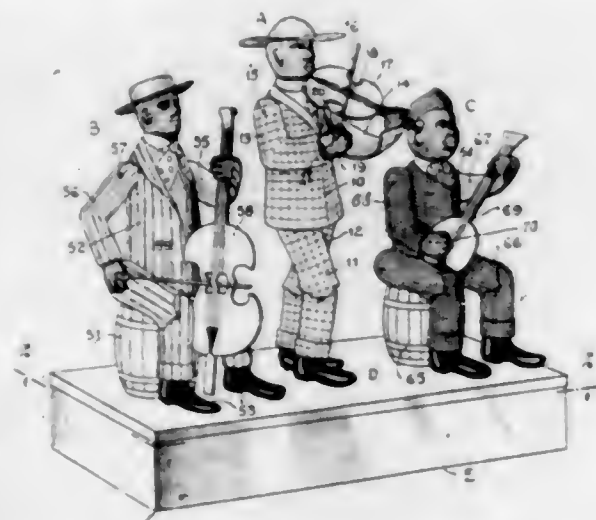
box, and a detent fixed to said lid, said box having a recess adapted to receive said detent, and said handle arranged to hold said detent in said recess when said switch is closed.

1,519,409. SANITARY TOILET-SEAT COVER. LOUIS A. LAUSTEN, Oakland, Calif. Filed Sept. 19, 1922. Serial No. 389,095. 2 Claims. (Cl. 4-240.)



1. A toilet seat cover comprising a sheet of paper with slits to form a rim and flaps, one flap extending within the other flap and having a detachable connection therewith, a plurality of tabs uniting the outer flap to the rim and adapted to be broken when the toilet cover is in use and tabs permanently uniting the rim to the flaps.

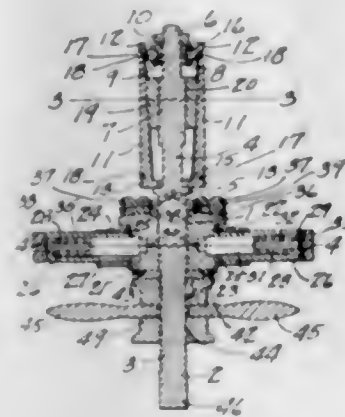
1,519,410. TOY AMUSEMENT DEVICE. LOUIS MARX, New York, N. Y. Filed Mar. 13, 1923. Serial No. 624,696. 15 Claims. (Cl. 46-40.)



1. A toy amusement device comprising a group of figures representing a syncopated orchestra, one of said group comprising a bodily movable dancing figure having

relatively movable arms holding relatively movable parts of a representation of a musical instrument, the other figures of the group each having relatively movable arms and being each supplied with a representation of a musical instrument, and means for operating the group to set the dancing figure in motion and to set the relatively movable arms of all the figures into action for simulating the playing of the musical instruments.

1,519,411. TUBE BEADER OR FLANGING MACHINE. EVERMONT BLEVINS MINER, Portland, Oreg. Filed Oct. 22, 1923. Serial No. 670,021. 1 Claim. (Cl. 153-80.)



A device of the kind described, comprising a shaft squared at one end constituting the handle end, screw threaded at the opposite working end, having a medial annular jaw bearing, and being screw threaded medially of the handle portion and the working end; a jaw retaining ring fitted onto the working end of the shaft, the said ring having a peripheral recess; a nut seated on the threaded extremity of the working end over the jaw retaining ring; two semi-cylindrical gripping jaws mounted on the working end of the shaft, the walls thereof being tapered from end to end, having inwardly directed steps at each end adapted to engage the medial jaw bearing and the peripheral recess of the jaw retaining ring respectively, and having circumferential grooves at each end; ring like coil springs seated in the said circumferential grooves; a tapered expanding plug having a threaded bore and mounted thereby upon the medial threads of the working end of the shaft with its tapered sides set complementally to the tapered walls of the gripping jaws; a working head slidably and rotatively mounted on the handle end of the shaft adjacent the annular jaw bearing, the said head having a convex working surface and having a circumferential ratch; a handle ring rotatively mounted over the said ratch, the same having handle sockets pierced through at the bottom thereof; working handles set in the handle sockets of the said ring, the handles having pawl sockets at their inner ends and having longitudinal bores from the sockets out through their outer ends; pawl sleeves slidably and rotatively mounted in the pawl sockets of the handles; stems extended from the pawl sleeves out through the bores of the handles; caps mounted on the ends of the stems; spring set pawls within the said pawl sleeves; coil springs encircling the said stems of the pawl sleeves and braced to project the pawl sleeves outwardly; a cage of beading rings interposed on the shaft between the said annular jaw bearing and the working head; a thrust collar with ball bearings mounted on the shaft next the working head; and a feed block having a threaded bore and mounted thereby upon the medial threads of the handle portion of the shaft.

1,519,412. SUSPENSION OF INCANDESCENT FILAMENTS. STANLEY ROBERT MULLARD, Hammersmith, London, England, assignor to The Mullard Radio Valve Company Limited, Hammersmith, London, England. Filed Oct. 2, 1922. Serial No. 591,951. 6 Claims. (Cl. 250-27.)



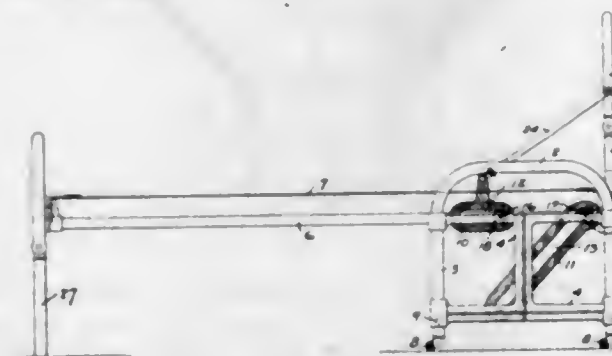
1. In combination, a filament, means for fixing one end of said filament, a fixed gauge and a spring connected to another point in said filament and stressed until a predetermined point in said spring bears a definite relationship to said gauge.

1,519,413. CAP FOR LIQUID AND PRESSURE TANKS. ALFRED E. MURPHY, Boone, Iowa. Filed Dec. 19, 1922. Serial No. 607,822. 4 Claims. (Cl. 229-44.)



1. A pressure device for tanks comprising a hollow cylindrical member having an outwardly extending annular flange at one end and a closed end portion at the opposite end, the said end portion being provided with a number of openings, one of which is provided with a pressure gauge of such dimensions as to be entirely within the cylindrical body, an inlet valve stem within one of said openings, an inlet valve within said stem, an outlet valve stem in the other one of said openings, a valve for said outlet stem, and means for adjusting the last said valve so it may be used either as an outlet or inlet valve.

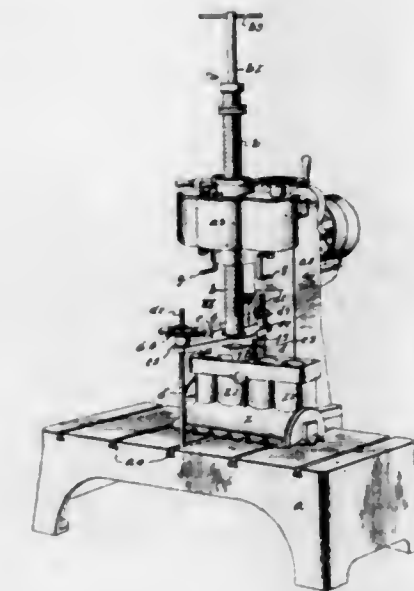
1,519,414. FOLDING BED. WILLIAM L. MURPHY, San Francisco, Calif., assignor to Murphy Door Bed Company, San Francisco, Calif., a Copartnership consisting of William L. Murphy and William K. White. Filed Aug. 26, 1920. Serial No. 406,140. 1 Claim. (Cl. 5-144.)



A folding bed comprising a base having on each side a slide-way having a substantially horizontal forward portion and a downwardly inclined rearward portion, and an upwardly and rearwardly inclined slide-way having a substantially horizontal rearward portion, the

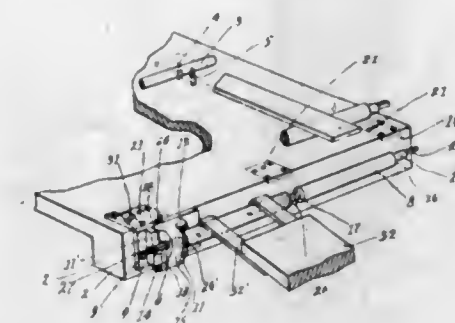
rear end of said first slide-way being disposed vertically above the forward end of the inclined slide-way and horizontally in front of the rearward end of the inclined slide-way, and a flat bed frame mounted on said base and engaging said slide-ways and adapted to be moved from a horizontal to a vertical position and vice versa, said bed frame in its vertical position engaging the rear end of said first-named slide-way and the front end of the second-named slide-way and in its horizontal position engaging the rear ends of both said slide-ways whereby stability of the said bed frame is achieved in both positions.

1,519,415. CYLINDER BORING MACHINE. JOSEPH W. MYERS, Jackson, Mich., assignor to Huckle-Myers Company, Jackson, Mich., a Corporation of Michigan. Filed June 27, 1921. Serial No. 480,519. 6 Claims. (Cl. 77-2.)



1. The combination of a boring machine having a bed and a boring bar, a clamping yoke surrounding said bar and having laterally extending arms, bolts engaging said bed and engaging said arms toward the ends thereof, and adjustable parts on said bolts causing said yoke to clamp the casting in position on the bed, and an annular part surrounding said bar located between said casting and said yoke, the yoke being pivoted to said annular part.

1,519,416. TRUCK BODY. JOHN OGREN, Stillwater, Minn. Filed Dec. 7, 1922. Serial No. 605,377. 7 Claims. (Cl. 214-84.)



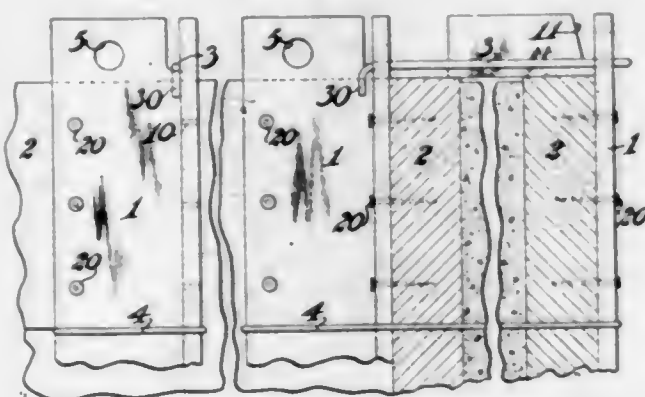
1. A truck body having a roller mounting pivotally connected thereto, said mounting having an operative position above the level of the floor of said truck body, and an inoperative position laterally adjacent, but below the level of said floor, a roller rotatably connected to the roller mounting, and means to rotate the roller, when the mounting is in an operative position to cause a relatively rearward movement of lumber carried by said truck body and resting on said roller.

1,519,417. ELECTROMAGNETIC CLUTCH. CLARENCE Q. PAYNE, New York, N. Y. Filed Mar. 7, 1924. Serial No. 697,509. 16 Claims. (Cl. 192-84.)



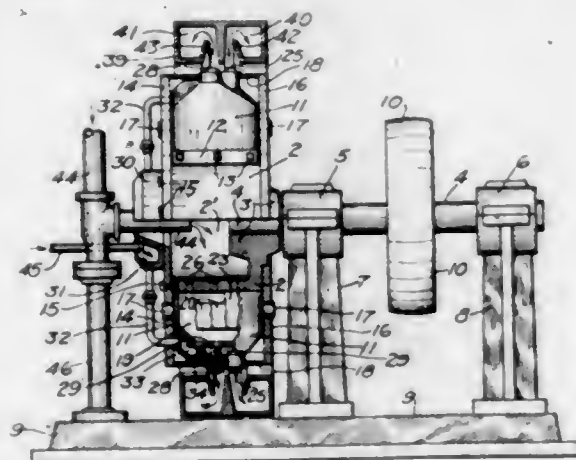
1. In an electro-magnetic engaging device, a driving and a driven member forming parts of the same magnetic circuit, one of said members having a contact surface provided with intersecting grooves along the plane of contact of said member.

1,519,418. FORM FOR MOLDING CONCRETE WALLS. FLEMING H. PECK, Seattle, Wash. Filed July 21, 1922. Serial No. 576,429. 5 Claims. (Cl. 25-131.)



2. A form for use in molding concrete walls comprising a series of angle bars having nail receiving holes spaced along their flanges and boards secured by nails driven through said holes, and the rods having hooked ends adapted to engage posts at opposite sides of the wall to prevent their separation.

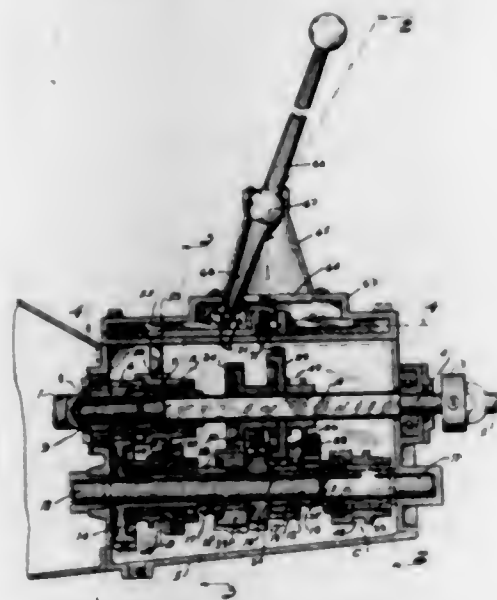
1,519,419. CENTRIFUGAL SEPARATOR. WILBUR H. PECK, Los Angeles, Calif. Filed Mar. 2, 1922. Serial No. 540,462. Renewed June 21, 1924. 10 Claims. (Cl. 233-15.)



1. In a centrifugal separator, the combination of a rotatable member provided with a chamber adapted to receive pulp for separation, a peripherally diverging separating member thereon, having a separating chamber provided with discharge openings for the respective separated constituents of the pulp, means communicating from the receiving chamber to the separating chamber for flow of pulp to the latter, baffles within

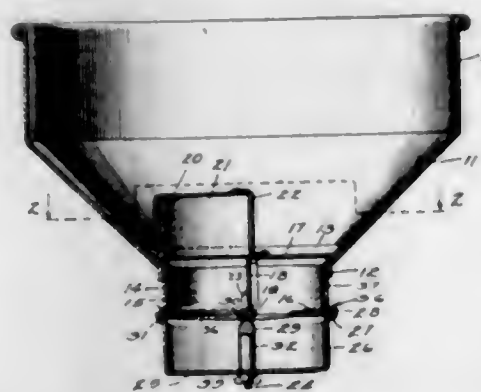
the separating chamber positioned transversely to the path of rotation of the receiving member, means for supporting and rotating the receiving and separating members and means for supplying pulp to the receiving chamber, substantially as described.

1,519,420. TRANSMISSION-GEAR SET. HARRY B. ROSS, Denver, Colo. Filed Mar. 24, 1924. Serial No. 701,314. 9 Claims. (Cl. 74-59.)



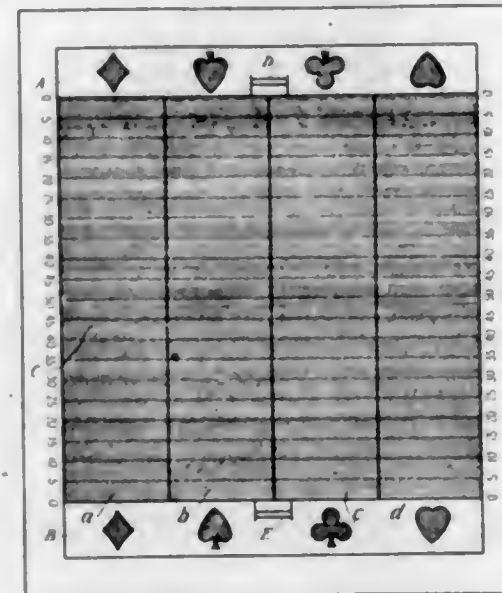
1. An automobile transmission gear set comprising spaced parallel driving and driven shafts, a plurality of pairs of gears of different pitch diameters connected to said shafts, the gears that are carried by the driving shaft being rotatable thereon, means for selectively locking one gear of each pair to the driving shaft, said means comprising a threaded member operatively connected to the gear, and means slidably and non-rotatably connected to the driving shaft for engaging said threaded member, said last-named means comprising a plurality of radially movable jaw members having their end portions provided with internal threads adapted to co-operate with the threads on the threaded member.

1,519,421. MILK STRAINER. ARTHUR O. STUBBS, Des Moines, Iowa. Filed Feb. 13, 1923. Serial No. 618,763. 6 Claims. (Cl. 210-157.)



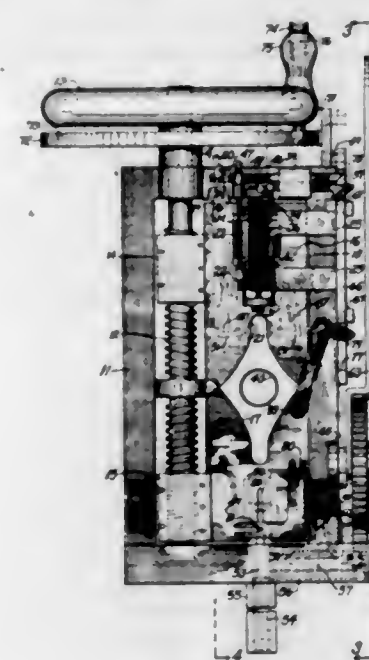
4. A strainer of the class described, comprising a body with a tapered bottom open at its lower central part, a tubular member having a flange detachably seated on said bottom, said tubular member having a partial cover on top and a partition extending downwardly therefrom dividing the tubular member into two compartments, a second tubular member detachably secured to the first tubular member at the lower end thereof, and a screen held between the tubular members.

1,519,422. GAME. LE ROY TAYLOR, New York, N. Y., assignor to Nelson M. Way, New York, N. Y. Filed Jan. 16, 1922. Serial No. 529,573. 4 Claims. (Cl. 273-24.)



1. In a game apparatus, a board representing in miniature a standard football field, divided lengthwise of the field, a game piece or "ball", and a pack of cards, divided into suits corresponding in number with the divisions of the field, substantially as described.

1,519,423. BINDING MACHINE FOR BOLOGNAS OR OTHER SIMILAR PRODUCTS. MAX THEIMER, Elizabeth, N. J. Filed May 25, 1922. Serial No. 563,579. 21 Claims. (Cl. 17-1.)

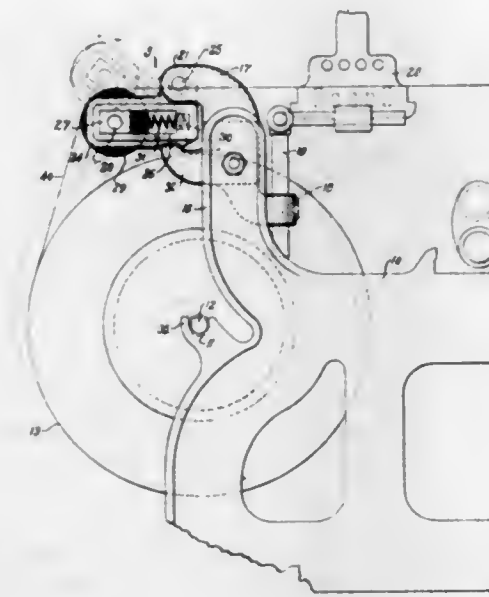


3. A mechanism for binding bolognas comprising a holder adapted to carry a plurality of separate fasteners, means for placing said fasteners on the bolognas and means for tightening said fasteners on said bolognas.

1,519,424. WHIP ROLL FOR LOOMS. ARTHUR E. THOMAS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 11, 1924. Serial No. 691,931. 6 Claims. (Cl. 139-114.)

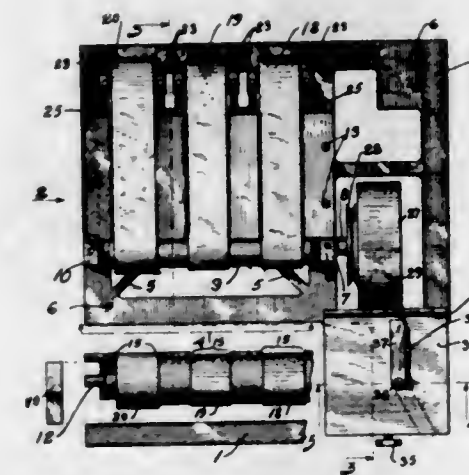
3. In a loom, a removable warp beam, pivoted arms above said warp beam, a yielding whip roll mounted for

rectilinear movement on said arms, and a fixed stop to limit downward movement of the arms and roll and



holding said roll closely adjacent to the beam, said arms being freely movable upwardly to carry said roll away from said beam to permit removal of said beam.

1,519,425. PIANO-KEY SANDING AND POLISHING MACHINE. THOMAS R. WALKER and HARRY B. MANN, Denver, Colo. Filed Jan. 9, 1923. Serial No. 611,550. 9 Claims. (Cl. 51-3.)



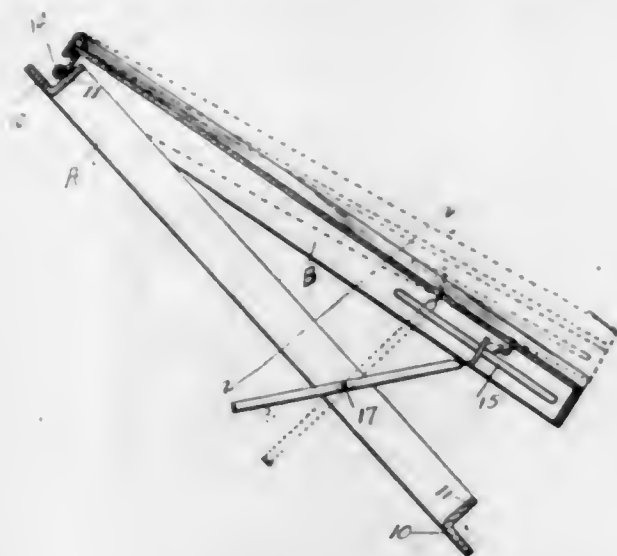
1. A sanding and polishing machine comprising, in combination, a base, a pair of spaced bearing blocks secured thereto, a shaft rotatably mounted in each of said blocks near one end thereof, a plate supported by said blocks, said plate having a plurality of parallel guide grooves in its upper surface, said plate having also a downwardly projecting flange along one edge and another similar flange parallel with the first mentioned flange and spaced therefrom, said flanges each having a pair of holes corresponding to each guide groove, a rod slidably mounted in corresponding holes in each flange, a bearing secured to corresponding ends of each rod, an idler pulley rotatably mounted between adjacent bearings, a belt extending about each idler pulley and about the shaft, each belt having one side positioned in a guide groove, and a nut on each bolt, said nut engaging one side of one of said flanges for the purpose of holding the bolt from sliding in said holes.

1,519,426. EDUCATIONAL DEVICE. WILLIAM WALKER, Royal, Iowa. Filed June 12, 1922. Serial No. 567,559. 2 Claims. (Cl. 35-2.)



1. An educational device comprising an upright member, a disc having a projecting shaft detachably supported on said upright member and having educational matter on its face, said upright member having a slight opening provided with guides adjacent thereto and projecting therebeyond.

1,519,427. VENTILATING SKYLIGHT WINDOW. CHARLES O. WHITNELL, Des Moines, Iowa. Filed Jan. 28, 1922. Serial No. 532,469. 1 Claim. (Cl. 108-31.)

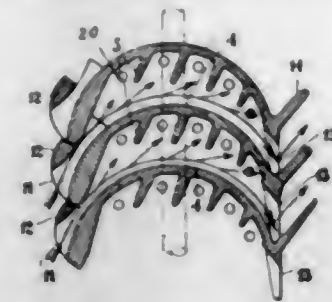


A ventilating window structure comprising a frame, a sash hinged thereto, trunnions on the frame, a resilient lever for manipulating said sash, comprising a strip of resilient material of substantially U-shape the central portion of which forms a handle, the ends of said lever being bent relative to the main portion of the arms thereof so that when the sash is in raised position, the lever will retain the sash in said position, the arms of the lever being slidably pivoted on opposite sides of the sash and having holes to receive the trunnions, the parts being arranged so that the arms of the lever yieldingly press toward the frame, and may be sprung off the trunnions.

1,519,428. DEVICE FOR SEPARATING SOLID, LIQUID, OR SEMIGASEOUS MATTER FROM GASES, VAPORS, AND THE LIKE. JULIUS ALEXANDER WILSCH, Deutsch-Catharinenberg, Germany. Filed July 1, 1922. Serial No. 572,303. 10 Claims. (Cl. 183-75.)

1. In a device for separating solid, liquid or semigaseous matter from gases, vapors and the like, a number

of separator elements of crescent-shaped cross section and passages between the opposed concave and convex



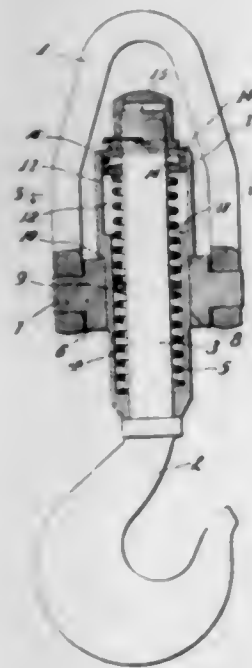
curvatures of each two superposed elements, said passages being of substantially even cross section throughout.

1,519,429. DAIRY STANCHION. MEXNO YAGGY, Van Nuys, Calif. Filed July 9, 1923. Serial No. 650,229. 15 Claims. (Cl. 119-148.)



14. In a stanchion, the combination of: a series of swingable stanchion members; a movable operating member laterally disposed with respect to said stanchion members, said operating member consisting of a pair of tubular members secured together by clamping members; rollers engaging said tubular members in a manner to support said operating member; a stationary member disposed adjacent to the swinging ends of said swingable members; engagement members upon said operating member in positions cooperative with said stanchion members; engagement members upon said stationary member in positions cooperative with said stanchion members in closed position, said engagement members each having a notch therein approached by an inclined face; and means consisting of a lever pivoted on each of said stanchion members for independently engaging either said engagement members on said operating member or said engagement members on said stationary member.

1,519,430. CASING HOOK. FORREST J. YOUNG, Torrance, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Oct. 27, 1923. Serial No. 671,194. 10 Claims. (Cl. 294-82.)



1. In a casing hook, a combination, a yoke, a spring supported thereby, a hook having a swivel bearing supported on the spring and including two cooperating

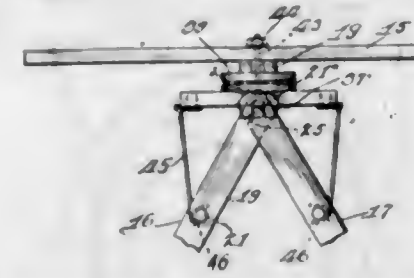
bearing members, and means engaging the upper of said members for limiting the movement thereof when the spring is distorted under the action of the load, operating to prevent further distortion of the spring and limit the pressure upon the bearing.

1,519,431. CAN OPENER. AUGUST ZIDOVEC, San Rafael, Calif. Filed July 3, 1922. Serial No. 572,371. 9 Claims. (Cl. 30-3.)



1. A can opener comprising crossed pivoted handles, a gripping member on one of said handles, a knife supporting member pivoted on the other handle, a guide flange on the knife supporting member arranged to engage the outer side of a can near the upper end of the can, a knife carried by the supporting member, said flange being arcuate and arranged to avoid engagement with that part of the can subject to engagement by the gripping member and another guide flange on the supporting member arranged to engage the inner side of the upper bead of the can.

1,519,432. TOY. HENRY ZIEMSS, JR., Chicago, Ill. Filed Apr. 29, 1920. Serial No. 377,479. 5 Claims. (Cl. 272-30.)

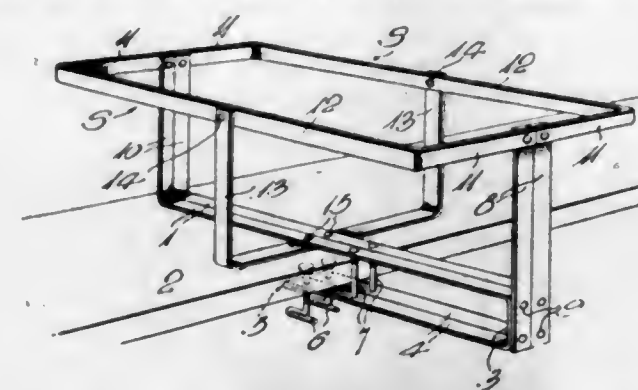


1. In a combination toy, a pair of standards each comprising two upright members and means connecting said members together in spaced relation, said means including a plurality of rungs, one of said standards having a rung removably mounted in its upper end, and the other one of said standards having a rung fixedly mounted in its upper end, the last mentioned rung being adapted to operatively engage with the upper end of the opposite standard when the removable rung has been removed, and a seat member adapted to be supported upon one or more of said rungs either centrally or at one or both ends of the seat member.

1,519,433. PRODUCE CARRIER. LAURITS A. ANDERSON, Audubon, Iowa. Filed Oct. 25, 1923. Serial No. 670,763. 2 Claims. (Cl. 224-29.)

1. A luggage carrier comprising a horizontal bar for transverse disposition on an automobile running board, the outer end of said bar being bent downwardly and

inwardly to extend under the running board and having a clamping screw, the inner end of said bar being formed with an upstanding arm, a second arm secured to and

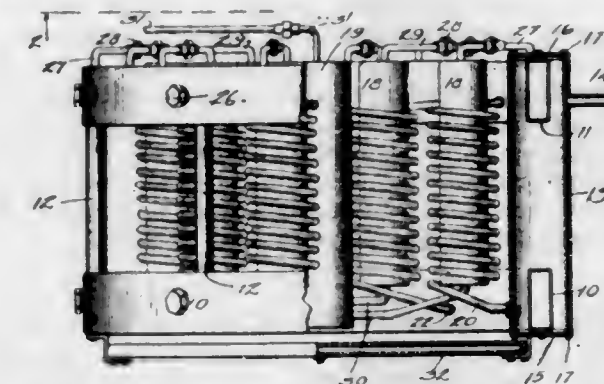


rising from the downwardly bent portion of said bar, and a horizontally disposed U-shaped frame secured at its ends to said arms.

1,519,434. METHOD OF GENERATING HYDROCYANIC-ACID GAS. CHARLES SUMNER BANKS, Manila, Philippine Islands. Filed Mar. 29, 1921. Serial No. 456,590. 2 Claims. (Cl. 23-1.)

1. The method of producing hydrocyanic acid gas which consists in creating a spray of alkali metal cyanide solution and a spray of sulphuric acid and causing said sprays to intermingle.

1,519,435. BOILER FOR STEAM ENGINES AND THE LIKE. CARL E. BISHOP, Mitchellville, Iowa. Filed July 30, 1923. Serial No. 654,619. 7 Claims. (Cl. 122-468.)



1. In a boiler of the class described, a water containing structure, a plurality of superheating and steam reserve pipes arranged within the outline of said container, generating coils surrounding said pipes communicating at their upper and lower ends with the upper and lower portions of the water container, connecting tubes communicating with the top of the water container and the upper ends of said pipes, a central steam receptacle, tubes connecting the bottoms of said pipes with the bottom of said receptacle and a burner under the central portion of said boiler.

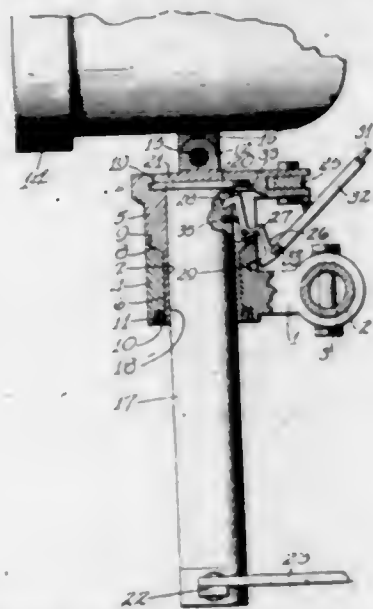
1,519,436. FIGURE TOY. LAWRENCE E. BROCK, Troy, Ohio. Filed Aug. 7, 1922. Serial No. 580,176. 1 Claim. (Cl. 46-40.)



A toy of the class described comprising the representation of a frog provided with a mouth having spring closed jaws, a normally collapsed rubber squawker concealed within the body of the frog and having the ball

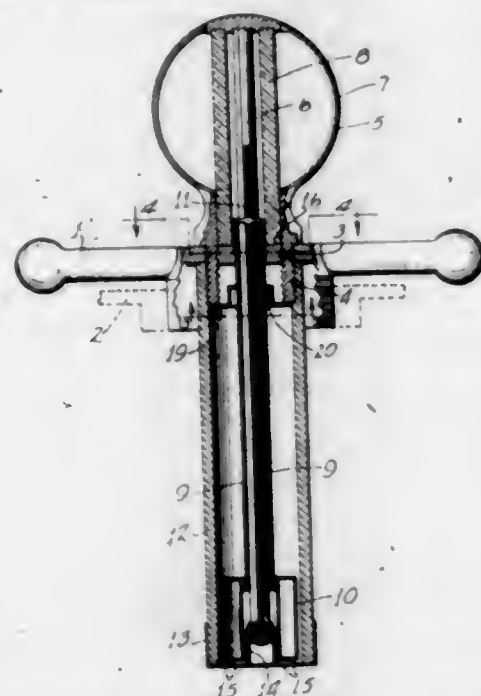
loon portion thereof positioned to protrude through the mouth when inflated forcing the jaws open against the tension of their spring, and a stem connected with the balloon extending longitudinally through the body of the frog at a point in alignment with and remote from the mouth to provide for the blowing up of the balloon and the projection thereof through the mouth.

1,519,437. DIRIGIBLE HEADLIGHT FOR VEHICLES. JAMES M. CALKINS, Chicago, Ill. Filed May 5, 1923. Serial No. 636,945. 2 Claims. (Cl. 240-61.)



1. A dirigible headlight comprising a support, a light carrying member rotatably carried by said support, means for turning said member, a trigger pivotally carried by said member for connecting said member with said support or with said turning means, spring means for yieldingly holding said trigger in engagement with said support, flexible means connected to said trigger for moving said trigger out of engagement with said support and into engagement with said turning means, and manually controlled means for causing said flexible means to hold said trigger in engagement with said member.

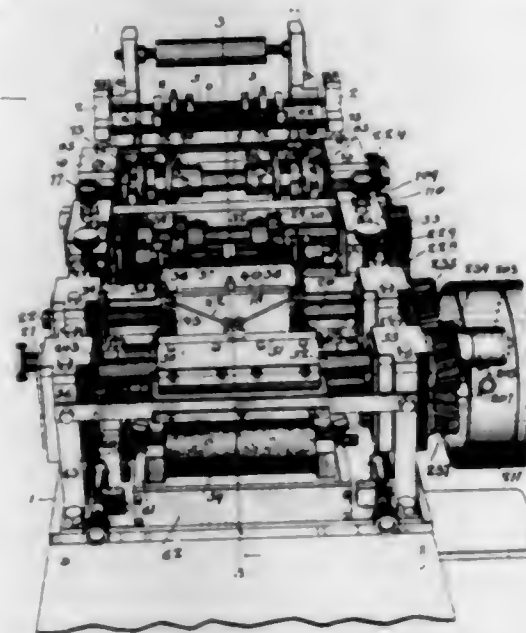
1,519,438. COMBINED WATER GAUGE AND HEAT-INDICATING DEVICE. ALBERT JOHN CHARLTON, Lowden, Iowa. Filed May 20, 1922. Serial No. 562,349. 1 Claim. (Cl. 73-52.)



A device of the type described comprising a radiator cap, a thermometer extending above and below said cap and being carried thereby, a transparent protecting tube adapted to enclose the portion of the thermometer ex-

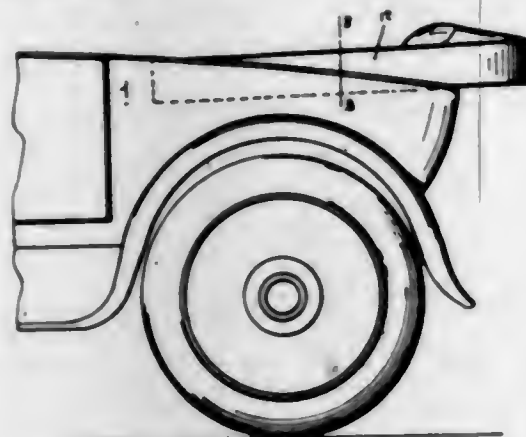
tending above said cap, a float slidably carried by said thermometer at the lower end thereof, and having an indicating pointer extending above said cap and being slidably disposed between said tube and said thermometer and means for securing said tube in place said means acting as a guide for the pointer.

1,519,439. MACHINE FOR MAKING ENVELOPES. ARTHUR CHEETHAM, Toronto, Ontario, Canada. Filed July 8, 1921. Serial No. 483,273. 19 Claims. (Cl. 93-63.)



5. In an envelope machine, in combination means to fold over the sides of the web of paper to form folds; means adapted to support said folds in a more or less vertical position; means to feed the web of paper through the machine, and rotary means adapted to cut or sever said folds at each side of said web as said web travels.

1,519,440. COLLAPSIBLE HOOD FOR MOTOR VEHICLES. RINO COLOMBINO, Turin, Italy. Filed Aug. 7, 1922. Serial No. 580,179. 2 Claims. (Cl. 296-116.)

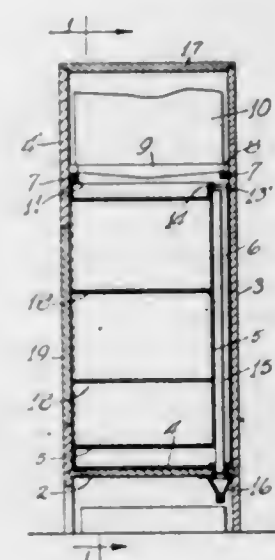


2. A vehicle body having longitudinal recesses in the thickness of its side walls, each recess having its maximum depth at its front end and its bottom extending in a substantially horizontal plane and terminating at the rear end in the plane of the top of the rear wall of the vehicle body, and a collapsible hood mounted in the recesses so that the side members lie therein when folded and the top portions project behind the rear wall of the car body.

1,519,441. REFRIGERATOR. PAUL MONTGOMERY DAVIS, Chicago, Ill. Filed July 23, 1923. Serial No. 653,364. 1 Claim. (Cl. 62-57.)

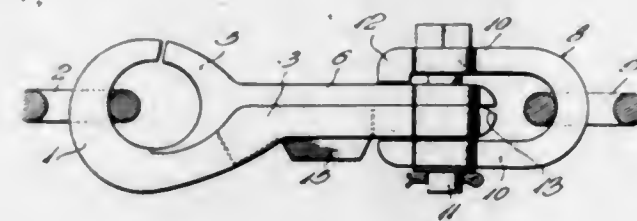
The combination, with an outer casing, of an inner metal casing, having double walls and a water-tight bottom, the space between said walls constituting a water-

retaining chamber, a metal water pan having portions bent back to form hooks for suspending the water pan on said inner casing, said water pan having an overflow outlet communicating with said water-retaining chamber.



means for supporting ice over said water pan, said means being disposed so as to permit the drip to fall into said water pan, and a drain pipe having its upper end level with the overflow from said water pan.

1,519,442. COUPLING DEVICE. AMOS O. DEETER, Minot, N. Dak. Filed Mar. 17, 1924. Serial No. 699,932. 2 Claims. (Cl. 24-241.)

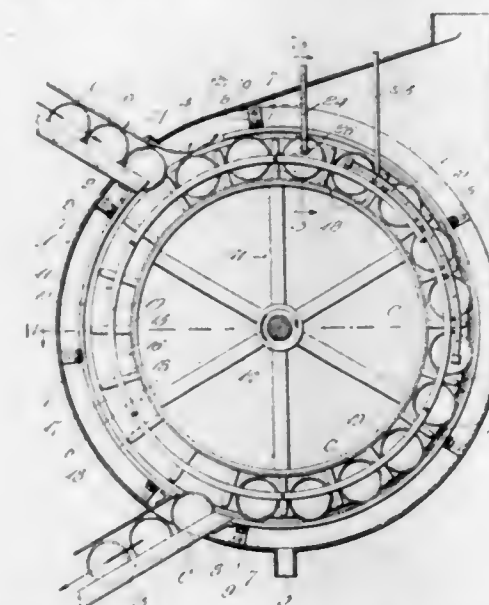


1. A coupling comprising a hook shank having a hook at one end, a guard for said hook having a shank extending longitudinally of said hook shank, the free ends of the two shanks having aligned openings whose axis is in the same plane as said hook a U-shaped shackle whose arms straddle said free ends of the shanks, one of said arms having a nose engaging one of said shanks and normally preventing separation of the two shanks, and a pivot bolt passing through said shackle arms and the aforesaid aligned openings, the opening of said guard shank being sufficiently large to permit swinging of the latter in a plane common to the bolt axis when the two shanks and shackle are relatively angled to free said nose from engagement with said one shank.

1,519,443. CAN WASHER. ALBERT G. DOUTHITT, Kenyon, Minn. Filed July 19, 1923. Serial No. 652,597. 2 Claims. (Cl. 141-7.)

1. A washing machine for open-ended cans comprising a rotatable can feeding wheel having transverse peripheral pockets closed at one side of the wheel and open at the other side thereof to expose the open ends of the cans, a cylindrical casing wall around the wheel having a can inlet and an outlet, flat casing slides at the sides of the wheel secured to said wall, track-supporting bars

extending between and secured to said slides at the periphery of the wheel, substantially, annular track-bars secured to said first named bars to retain the cans in



said pockets, and means for forcing a cleaning medium into the cans during their travel from the inlet to the outlet.

1,519,444. AIRCRAFT PROPULSION. ELISHA N. FALES, Dayton, Ohio. Filed Jan. 17, 1921. Serial No. 438,045. 4 Claims. (Cl. 244-25.)



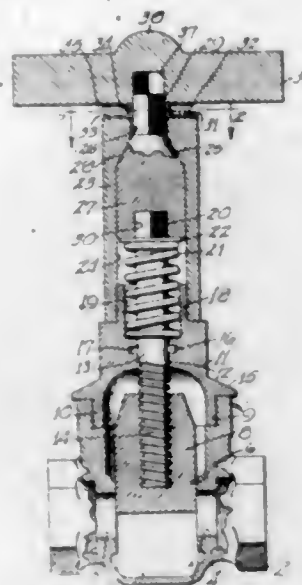
1. In aircraft propulsion, an internal combustion engine embodying an engine shaft, and a plurality of cylinders which radiate from and revolve around said shaft, pistons for compressing the gases mounted to reciprocate in said cylinders and connected with said crankshaft, and propeller blades extending from said cylinders and having passageways for the gases from the cylinders and means for igniting said gases in said passageways.

1,519,445. OIL-WELL-TOOL CONNECTION. EBEN D. FINNEY, Itasca, Tex. Filed Dec. 20, 1922. Serial No. 608,091. 13 Claims. (Cl. 255-27.)



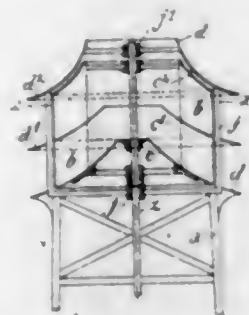
1. A casing to tool connection comprising a tool-holding connector-rod, an upper pulling member, and means forming part of the connector-rod whereby said rod may be reciprocated independently of said pulling member.

1,519,446. VALVE. CHARLES S. FLOWERS, Chicago, Ill. Filed Sept. 16, 1921. Serial No. 501,167. 1 Claim. (Cl. 251-30.)



A valve comprising a body portion, a valve actuating screw projecting above said body portion, a sleeve having a threaded connection with said body portion, said sleeve having a bore with a reduced tapered portion, an auxiliary cylindrical shaped stem rotatably disposed in said bore and having a conical-shaped portion and a non-circular portion, a spring for yieldingly holding the conical-shaped portion of said auxiliary stem in engagement with the tapered portion of said sleeve, an actuating handle having a non-circular bore adapted to receive the non-circular portion of said auxiliary stem, a flange carried by said sleeve, and a flange carried by said handle adapted to engage with the flange on said sleeve to operatively connect the handle to said auxiliary stem, said spring also keeping the non-circular portion of said auxiliary stem in the bore of said handle, whereby said handle is prevented from lateral movement with respect to said sleeve and is locked to said sleeve.

1,519,447. AERIAL TURBINE WITH VERTICAL AXIS AND HELICAL CENTRIFUGAL CIRCULATION. PAUL EUGENE ADOLPHE FORTIER-BEAULIEU, Rouen, France. Filed Jan. 18, 1923. Serial No. 613,525. 6 Claims. (Cl. 170-4.)

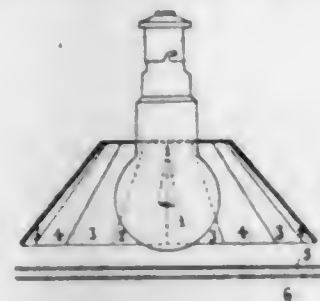


6. A wind turbine comprising a vertical rotary shaft in rotor formed of superposed annular plates connected with the shaft, a series of vertically arranged curved blades, carried by said plates, a stator formed of fixed superposed annular plates forming continuations of the rotor plates vertically arranged shutters interposed between the stator plates, and a diffuser at the upper end of the rotor.

1,519,448. PROCESS AND APPARATUS FOR ARTIFICIALLY RECONSTITUTING DAYLIGHT. CHARLES HENRI ALFRED CAMAIS, Paris, France. Filed Sept. 17, 1923. Serial No. 663,232. 6 Claims. (Cl. 240-1.)

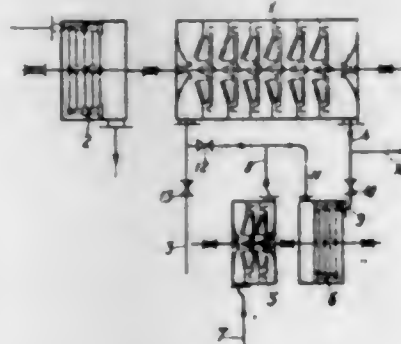
1. An illuminating apparatus for producing artificial daylight, comprising an electric light bulb colored blue throughout and containing an incandescent filament de-

signed to be traversed by a current of higher voltage than that for which it was constructed; and a reflector encircling said bulb and embodying a row of silvered glass



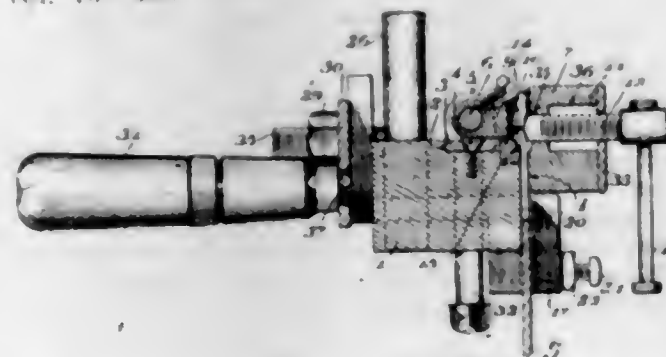
mirrors disposed at an incline to the vertical, certain of said mirrors being colorless and others being colored in shades of blue and violet.

1,519,449. COMPRESSOR INSTALLATION. BENJAMIN GRAEMIGER, Zurich, Switzerland, assignor to Aktien-gesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed May 14, 1923. Serial No. 638,885. 5 Claims. (Cl. 230-11.)



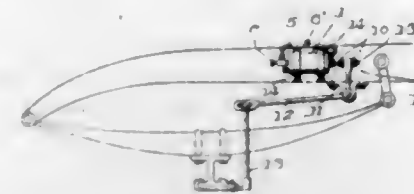
1. A compressor installation, comprising in combination, at least one main compressor, at least one additional compressor adapted to work in series with said main compressor for the purpose of obtaining a higher pressure, and a driving engine for said additional compressor driven by a portion of the medium delivered by the main compressor, that portion expanding in the driving engine to the delivery pressure of the additional compressor and being hereupon returned together with the medium delivered by the additional compressor to the main compressor.

1,519,450. SAW SET. CARL A. HANSON, Portland, Ore. Filed June 19, 1923. Serial No. 646,358. 15 Claims. (Cl. 76-60.)



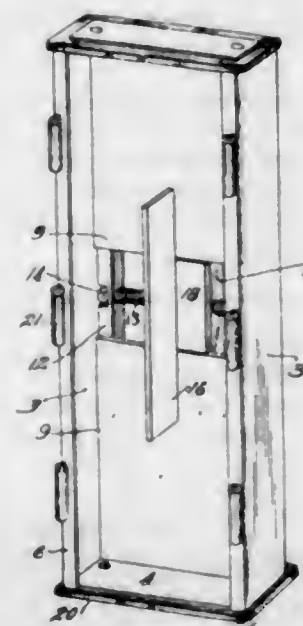
1. A saw set comprising an anvil, arms having rests by means of which contact is made with a saw to support the anvil in a desired position in respect to the teeth, a setting member to cooperate with the anvil, a block which carries the setting member, a bar upon which the block is both swingable and slidable to respectively permit the application of the saw set and the lateral movement of the setting member in respect to the teeth, and a bracket carried by the anvil on which the rod is mounted.

1,519,451. SHOCK ABSORBER. ALBERT L. HARRIS, Austin, Tex. Filed Oct. 8, 1923. Serial No. 667,333. 1 Claim. (Cl. 188-88.)



A device of the class described comprising a cylinder containing a fluid, a bypass connecting the ends of the cylinder together, a valve for controlling the flow of fluid through the bypass, a piston having ports therein, a valve plate movably connected with one face of the piston and preventing the fluid from passing through the ports when the piston is moving in one direction, a filling nipple on the bypass, a plug for closing the same, means for connecting the piston and cylinder with a part of a vehicle, such means including a bell crank lever having one end forked and a pair of discs on the piston rod between which the forked ends are located.

1,519,452. POSTLESS LEDGER BINDER. CECIL B. HARRISON, Los Angeles, Calif., assignor to James L. Davidson, Los Angeles, Calif., doing business as J. L. Davidson Co. Filed Jan. 21, 1924. Serial No. 687,550. 5 Claims. (Cl. 129-35.)

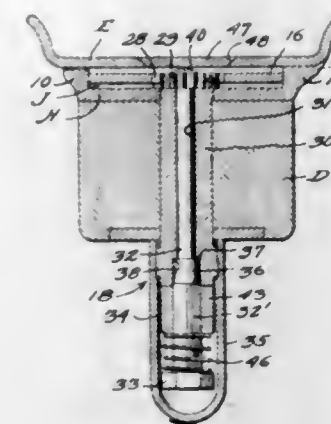


1. A loose-leaf, book-binder having a back-box including fixed, parallel side walls, an inner false back having a platen face for leaf edges, a jaw slidable laterally toward one side wall to clamp leaves thereagainst, and means lying between the box back and the inner false back for actuating the clamping jaw.

1,519,453. DEMOUNTABLE-RIM RETAINER. PAUL T. ILLIG, Ebensburg, Pa. Filed Mar. 18, 1921. Serial No. 453,340. 6 Claims. (Cl. 301-26.)

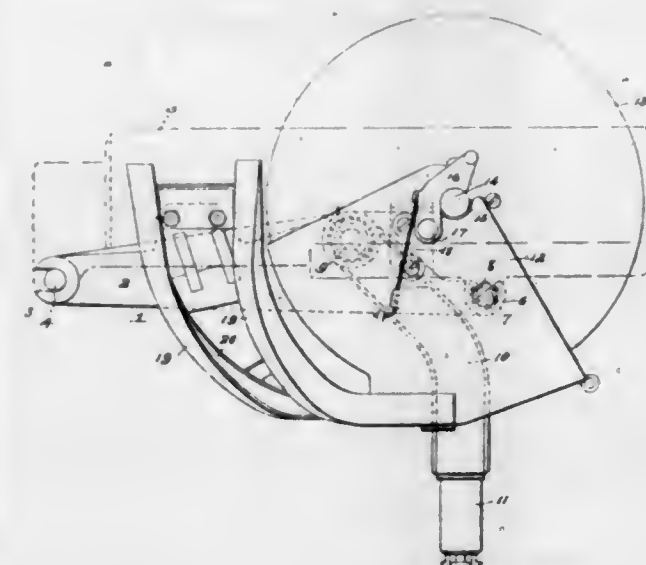
1. In a demountable rim construction for vehicle wheels the combination with a felly, of a bearing ring, a demountable rim, a locking ring circumferentially adjustable between the bearing ring and the demountable rim including means for engaging the rim, and a device for moving the locking ring relative to the felly to position the rim over the bearing ring including a

shaft radially disposed for rotation in the felly, means on the shaft and locking ring to shift the latter, teeth rigid with the felly, a sleeve longitudinally slidable and non-rotatably mounted on said shaft having teeth thereon,



and means normally urging the sleeve teeth into engagement with the teeth rigid with the felly whereby the shaft may be held in a determined relation for maintaining the locking ring in a determined locking relation with the demountable rim.

1,519,454. GUN REEL FEED UNIT. HENRY B. INGLIS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,195. 6 Claims. (Cl. 89-40.)

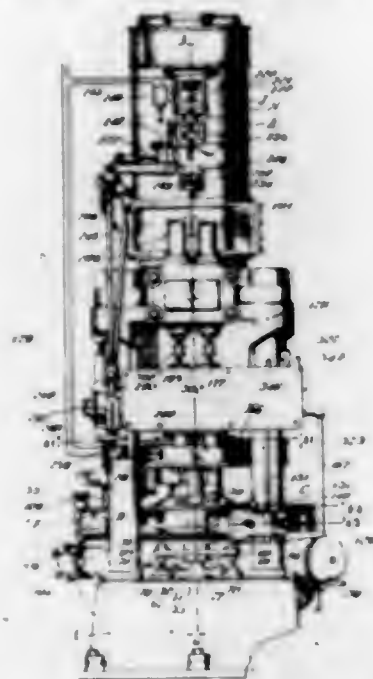


1. In a flexible gun mount, a swiveled support, a gun-carrying saddle mounted on trunnions on said support to swing at an angle to axis of movement of the swiveled support, said saddle having sockets to receive the trunnions of the gun, and a gun having its trunnions removably held in said sockets.

1,519,455. BRIQUETTING MACHINE. MARTIN P. JACOMINI and LADISLAV F. KRISTOFER, Cincinnati, Ohio. Filed Apr. 12, 1920. Serial No. 373,287. 128 Claims. (Cl. 25-63.)

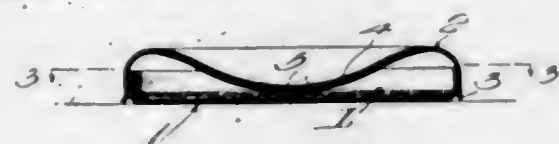
1. In a press having means for applying pressure, a movable die carrying structure carrying a plurality of open ended dies, means for bringing said dies successively into and out of operative relation with said

pressure applying means, means for yieldingly supporting said dies in said die carrier, means bearing against the lower end of said dies for preventing the escape of



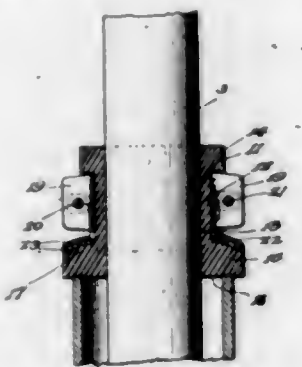
material before compression, and means for permitting said bearing means to yield responsively to the yielding movement of the dies.

1,519,456. INSECT DESTROYER. CLIFFORD E. JONES, Peru, Ind. Filed Feb. 5, 1923. Serial No. 617,107. 1 Claim. (Cl. 43-131.)



An insect trap comprising a relatively shallow pan having a flat bottom adapted to rest approximately throughout its area on a support, and a cylindrical wall rising from said bottom, and a removable cover having a depending vertically disposed peripheral flange, portions of said flange being cylindrical and adapted to telescopically engage the wall of said pan; the free edge of said flange being flared outwardly to facilitate application of the cover, and the central portion of said cover being depressed and provided with a relatively small hole adapted to be disposed in close proximity to the central portion of the bottom of the pan.

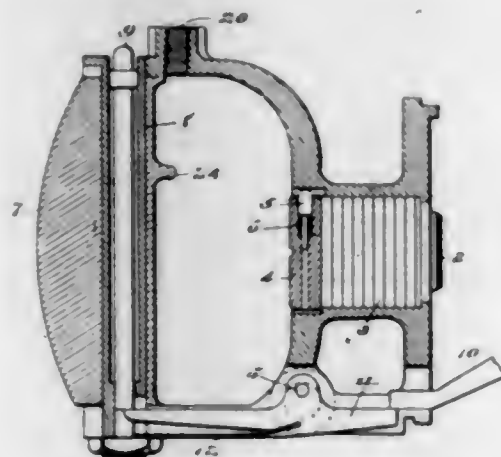
1,519,457. WELL SEAL. GUDON P. JUDSON, Fairfield, Iowa. Filed Apr. 22, 1924. Serial No. 708,219. 7 Claims. (Cl. 166-14.)



7. A well seal comprising a body of yieldable material having a pipe receiving bore and provided at its lower end with a circumscribing shoulder the underside of which constitutes a bearing surface for engagement

with the end of a well casing, a two part collar disposed to circumscribe the body above the said shoulder, means for drawing together the ends of the said collar parts whereby to cause the parts to bind about the body and effect frictional binding of the wall of the bore about the pipe to which the seal is fitted, the said collar parts being provided with outstanding flanges at their lower edges engaging the upper side of the said shoulder, and having their ends mutually overlapped.

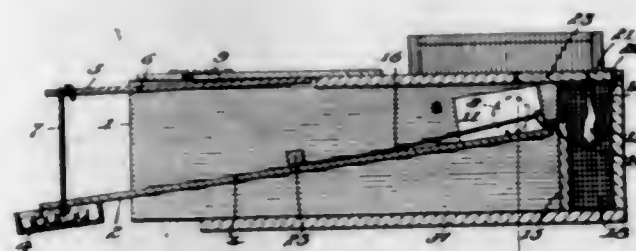
1,519,458. SPADE GRIP. ROBERT KAUCH and CHARLES L. PAULUS, Dayton, Ohio. Filed July 17, 1924. Serial No. 726,552. 9 Claims. (Cl. 89-27.)



1. In combination with a handle, a centrally positioned trigger operating element, and a finger operated means for operating said element, demountably supported with respect to said element for right hand or left hand operation.

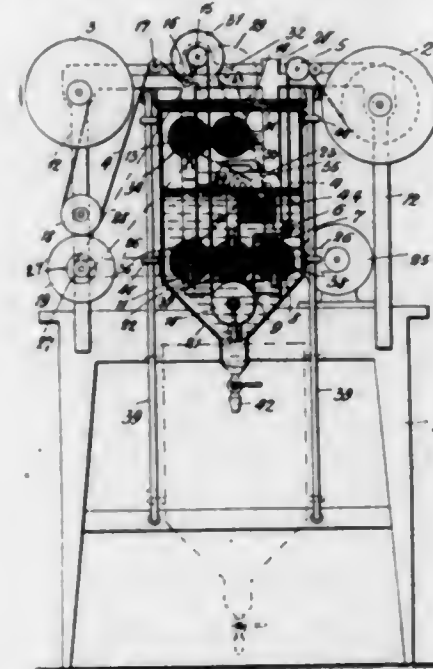
7. In combination with a demountable spade handle, a trigger actuating element mounted on said handle for contacting with the trigger of a gun, said element eccentrically mounted, and means for operating said eccentrically mounted element for avoiding contact with the trigger of the gun.

1,519,459. ANIMAL TRAP. CHARLES RICHARD KNIGHT, Ranger, Tex., assignor of one-half to Ambrose M. Dillahunty, Beaumont, Tex. Filed Feb. 5, 1923. Serial No. 616,988. 2 Claims. (Cl. 43-67.)



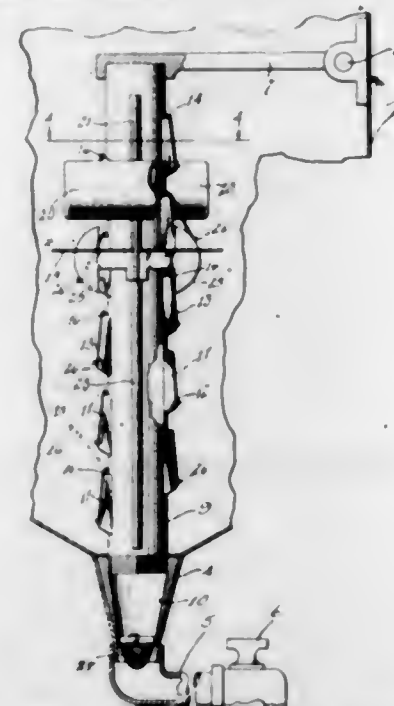
1. In a trap, the combination of a trap member and a cage member having a passage connecting the same, a pivoted board member, a pivoted closure member having a flexible connection with said pivoted board member for maintaining said pivoted closure member in a substantially horizontal position when the trap is set, said pivoted board member having a gate mounted on one side of said pivoted board member for closing the passageway to the cage member when the trap is set, said pivoted board member also having a latch and a spring piece released by the animal to be caught to spring the trap, and automatic means for returning the pivoted board member, pivoted closure member, latch and spring piece to normal or set position after the catch is made.

1,519,460. CLEANING DEVICE FOR FILM STRIPS. HEINRICH LICHTE, Berlin, Germany, assignor to Inra Film Protector Co., New York, N. Y., a Corporation of New York. Filed Apr. 20, 1922. Serial No. 555,711. 6 Claims. (Cl. 15-100.)



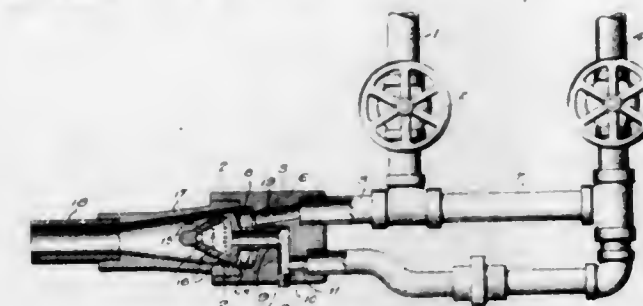
1. Film-cleaning apparatus, comprising a main frame; a receptacle attached thereto to contain cleaning liquid; an auxiliary frame attached to the main frame and extending into said receptacle; upper and lower pairs of coacting rotary cleaning elements carried by the auxiliary frame and disposed within said receptacle, the lower pair being submersible in the cleaning liquid; film-feeding means; means for guiding the film through said receptacle and between the coacting cleaning elements; and means for rotating all of the cleaning elements in unison.

1,519,461. DEVICE FOR DRAWING OFF LIQUID PORTIONS OF DESIRED DENSITIES. WILLIAM BENJAMIN LIVINGSTON, Chicago, Ill. Filed Sept. 8, 1923. Serial No. 661,690. 6 Claims. (Cl. 137-21.)



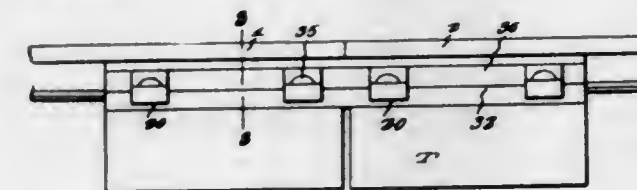
1. A device of the type described comprising a pipe having a plurality of openings therein, covers for closing said openings and means slidably disposed on said pipe for opening said covers, said means being adapted to open the covers disposed adjacent thereto, whereby all of the covers will be opened as said means moves downwardly along said pipe.

1,519,462. OIL BURNER. CHARLES F. LOKER, Tonopah, Nev. Filed May 14, 1923. Serial No. 638,961. 2 Claims. (Cl. 158-75.)



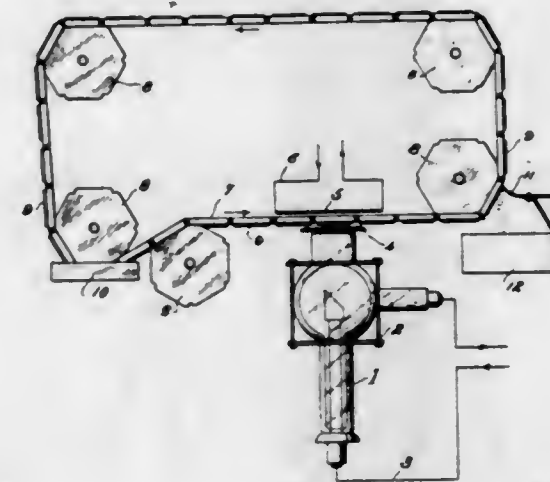
1. A device of the character described, comprising an integral burner member provided in one end with a relatively large axial opening and a relatively small axial opening communicating therewith, a relatively short air nozzle arranged in said large opening and having a head slightly spaced therefrom throughout its circumference to provide a restricted outlet passage, said head being provided outwardly of said passage with a plurality of outwardly diverging openings and being further provided at its inner end adjacent said head with a reduced stem tightly fitting within said small axial opening, to be supported thereby, means for supplying fuel to said large axial opening, means for supplying a combustion supporting fluid to said nozzle through the stem thereof, and a burner nozzle carried by said burner member.

1,519,463. ANGLE BAR. FRANCIS E. MCINTIRE, McHenry, Ky. Filed July 7, 1924. Serial No. 724,671. 3 Claims. (Cl. 238-188.)



1. The combination with longitudinally aligned rail ends having lugs extending laterally from the opposed faces of the webs thereof, angle bars spanning the rail end joint and having sockets to receive said lugs, some of said sockets having openings therein, and latch members for insertion through said openings and adapted to interlockingly engage the lugs.

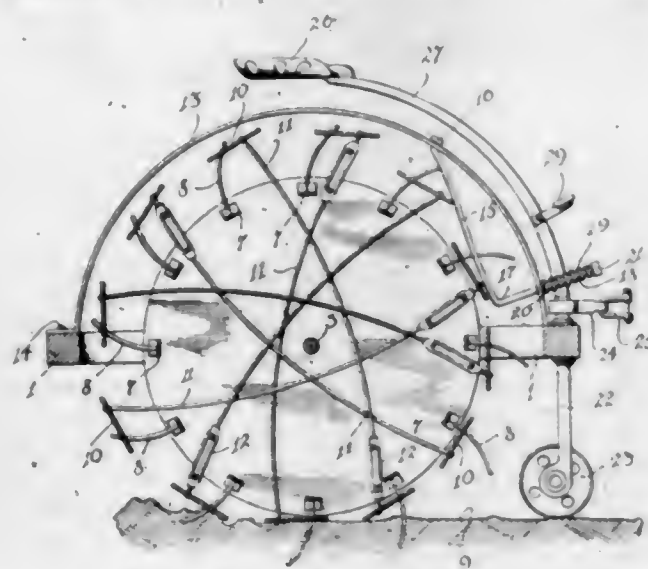
1,519,464. PROCESS OF AND MECHANISM FOR SEPARATING METAL FROM EARTH. THOMAS R. MCNERTUNEY, Tacoma, Wash. Filed July 18, 1923. Serial No. 652,390. 3 Claims. (Cl. 83-71.)



2. A mechanism for separating and collecting precious metals from earth containing the same, comprising an X-ray or Roentgen-ray tube, an electric magnet spaced therefrom, conveyor belt positioned between said X-ray

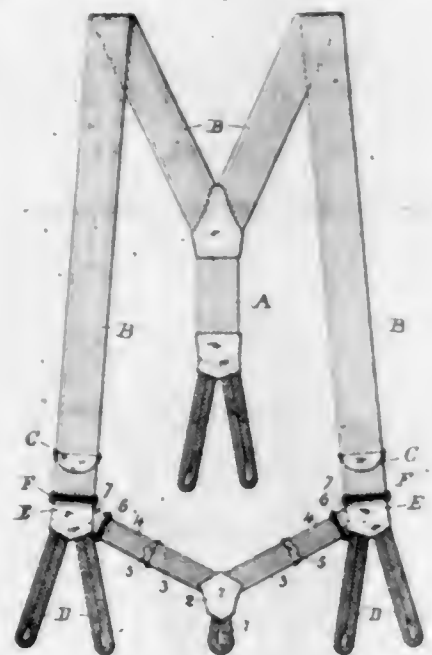
tube and magnet adapted to receive a quantity of metal bearing earth, a conveyor chain carrying a plurality of mercurized plates adapted to pass above said belt and between the same and said electric magnet, and means for scraping the precious metals from said plates into a suitable container.

1,519,465. SPADING DEVICE. HARRY MERRIMON, Carbondale, Ill. Filed July 11, 1923. Serial No. 650,925. 2 Claims. (Cl. 97-215.)



1. A spading device of the type described comprising a drum arranged to be rolled upon the ground, a plurality of work engaging tines radially disposed on said drum and arranged to engage with the ground as said drum is rolled thereupon, a plurality of plates, slidably mounted upon said tines, whereby movement of said plates toward the outer end of said tines may clear the tines of debris collected thereupon, and means connecting the diametrically opposed sets of said plates on opposite sides of said drum, whereby movement of one of said plates toward said drum may occasion movement of the diametrically opposed plate toward the end of its associate tine.

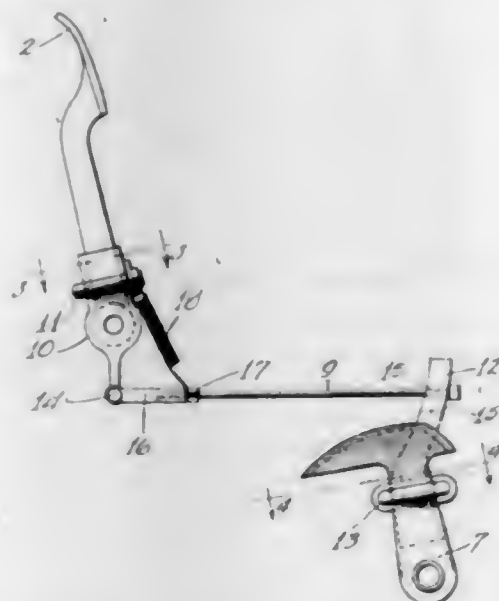
1,519,466. TROUSER BRACES. JELES JOSEPH MOULBAU, Paris, France. Filed June 9, 1921. Serial No. 476,285. 1 Claim. (Cl. 241-12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



Trouser braces comprising elastic shoulder straps united at the back, back tabs, a single straight member connecting said tabs with the united back ends of the said shoulder straps, length adjusting buckles on said

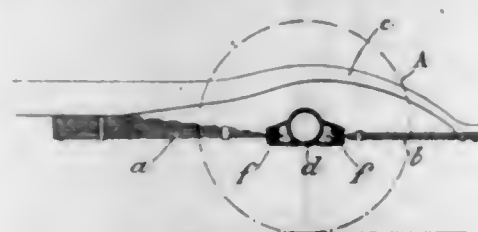
straps, front tabs, shaped pieces of material sewn to said tabs, rectangular links connecting said material to the looped ends of the shoulder straps, a front central tab, an irregular hexagonal piece of material stitched to said central tab, elastic flat bands connected at one end to each of the two upper consecutive sides of the said hexagonal piece of material and extending obliquely towards the front ends of said shoulder straps, length adjusting buckles on said bands, and links permanently connecting the outer ends of said bands to the shaped pieces of material supporting the lateral front ends whereby to form a brace which is durable and nondetachable, part from part.

1,519,467. BRAKE CONSTRUCTION FOR MOTOR VEHICLES. JOHN WILLIAM NORRIS, Kimball, Nebr. Filed Sept. 10, 1923. Serial No. 661,944. 1 Claim. (Cl. 74-39.)



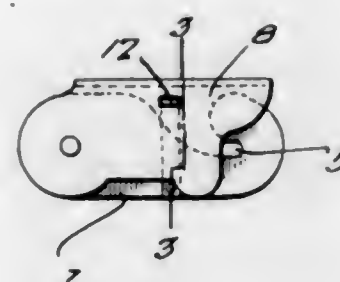
The combination with an automobile having a brake pedal, a shaft, an emergency lever secured to said shaft, and a speed lever secured to said shaft, of an arm having a slot therein and rigidly secured to said speed lever, a link operatively connected to said brake pedal and having its free end slidably disposed in said slot, said link having a head adapted to engage with said arm when said emergency lever is actuated, and spring means for holding said link against the top of said slot.

1,519,468. SUSPENSION DEVICE FOR VEHICLES. PIERRE JEAN RENÉ POSTEL-VINAY, Paris, France, assignor to Société des Moteurs Salmson (Système Can ton-Unné), Paris, France. Filed Mar. 27, 1923. Serial No. 628,119. 2 Claims. (Cl. 267-41.)



1. In a vehicle spring suspension the combination, with the vehicle frame and an axle, of two half-springs of different strengths, the thick ends of said half-springs being rigidly secured to the vehicle frame, and their thin ends being pivoted on the axle, and the thicker half-spring being given during the manufacture a greater downward initial curvature than the thinner half-spring so that the normal static load is only supported by the said thicker half-spring, while the thinner half-spring works chiefly as a damping spring subjected only to the variations in the useful load and to dynamic stresses.

1,519,469. CHAIN FASTENER. THEODORE R. REED, Hampton, Nebr. Filed Apr. 14, 1924. Serial No. 706,477. 2 Claims. (Cl. 24-241.)

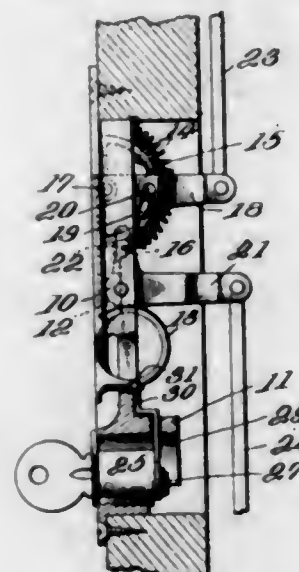


1. A chain fastener of the class described comprising a hook, a casing therefor pivoted on said hook, means for locking said casing on said hook comprising a pair of spring latches secured at their lower ends to the opposite sides of said hook, said hook being provided with vertical channels for receiving said spring latches, the upper ends of the spring latches being disposed outwardly and receivable in openings provided in the sides of said casing.

1,519,470. IMPREGNATED CARBON AND PROCESS OF MAKING SAME. ROBERT E. WILSON, Cambridge, Mass., and JOSEPH C. WHETZEL, Pittsburgh, Pa. Filed Jan. 22, 1921. Serial No. 439,245. 10 Claims. (Cl. 23-28.)

1. Hard, stable, absorbing material, comprising carbon impregnated with material containing metal and metal oxide.

1,519,471. BOLT-OPERATING MECHANISM. ALBERT M. WOLTZ, Baltimore, Md., assignor, by mesne assignments, to M. L. Himmel & Son Company, Inc., Baltimore, Md., a Corporation of Maryland. Filed Oct. 22, 1920. Serial No. 418,660. 11 Claims. (Cl. 70-74.)

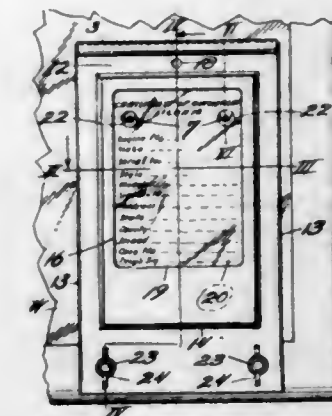


4. The combination with a handle pivotally supported at one end and bolt mechanism actuated thereby, a barrel contiguous to the free end of the handle and in alignment therewith, a rotatable actuator mounted in said barrel, and a rectilinearly movable latch operated by said actuator and positioned to engage the free end of said handle.

1,519,472. CAR-IDENTIFYING MEANS. STRAUD K. WOOD, Hutchinson, Kans. Filed Jan. 21, 1924. Serial No. 687,468. 7 Claims. (Cl. 40-22.)

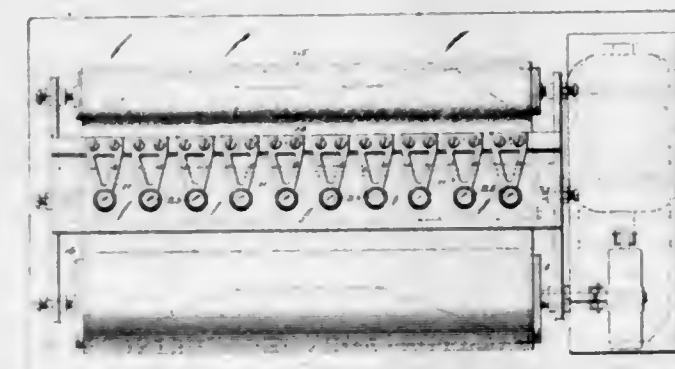
1. In a device of the character described, a casing comprising two slidably-related members, and having a win-

dow opening, a transparent plate covering the opening, a certificate within the casing and interlocked with the transparent plate, and one or more prongs within the



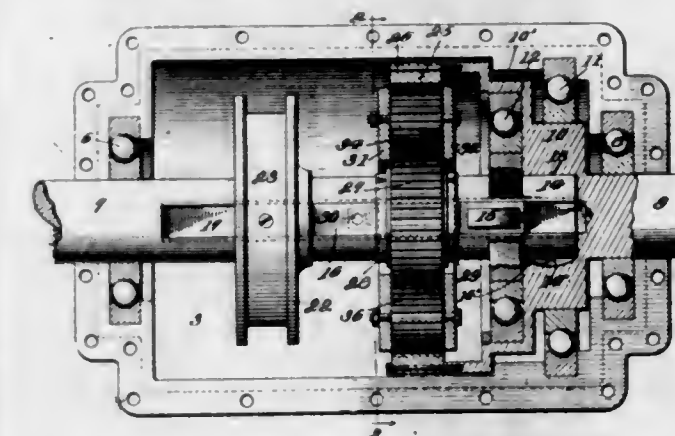
casing and adapted to mutilate the certificate in the event the said members are slidably operated to give access to the interior of the casing.

1,519,473. ACCELEROMETER. ALBERT F. ZAHM, Washington, D. C. Filed June 29, 1921. Serial No. 481,380. 7 Claims. (Cl. 234-1.)



1. An accelerometer embodying a movable mass in the form of a plunger, resistance means therefor, and means for regulating the intensity of said resistance to control the amount of force required to effect the initial movement of said mass.

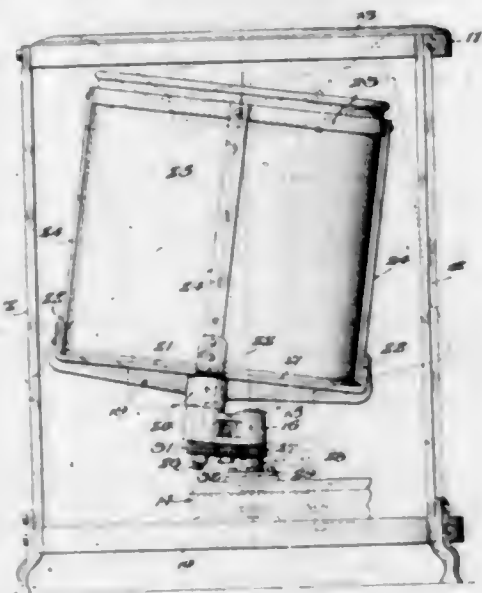
1,519,474. KEYING DEVICE FOR POWER TRANSMISSION. ARTHUR A. ALEXANDER, New York, N. Y. Filed May 26, 1921, Serial No. 472,781. Renewed May 10, 1924. 23 Claims. (Cl. 74-59.)



1. A keying device for power transmission comprising a driving member, a driven member, a rigid sliding bar carried in a groove in the surface of one of said members, the whole longitudinal outward surface of such bar being co-linear with the laterally adjacent surface of said carrying member, a spring-pressed locking member carried by the bar, and slidable radially with respect to said bar, and adapted to lock the driving and driven members to-

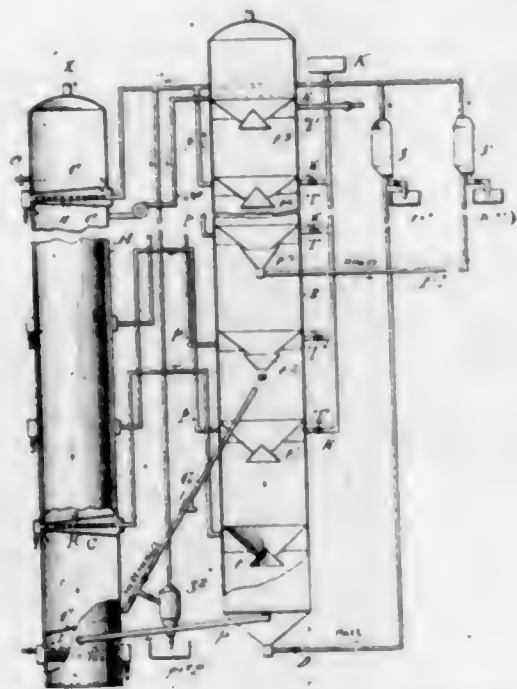
gether, said bar and locking member being free of interconnection other than the sliding contact, and means to limit the outward movement of the locking member from the bar.

1,519,475. WASHING MACHINE. ALPHRUS W. ALTORFER, Peoria, Ill. Filed Oct. 29, 1924. Serial No. 746,552. 10 Claims. (Cl. 239-72.)



1. In a washing machine, in combination, a supporting frame, a driven shaft supported thereon, a tub support fixed to the driven shaft, a tub mounted thereon, eccentrically and inclined toward the axis of the driven shaft whereby the tub may be swung about the driving axis in a continuous circular course and means actuated by the driven shaft to prevent rotation of the tub.

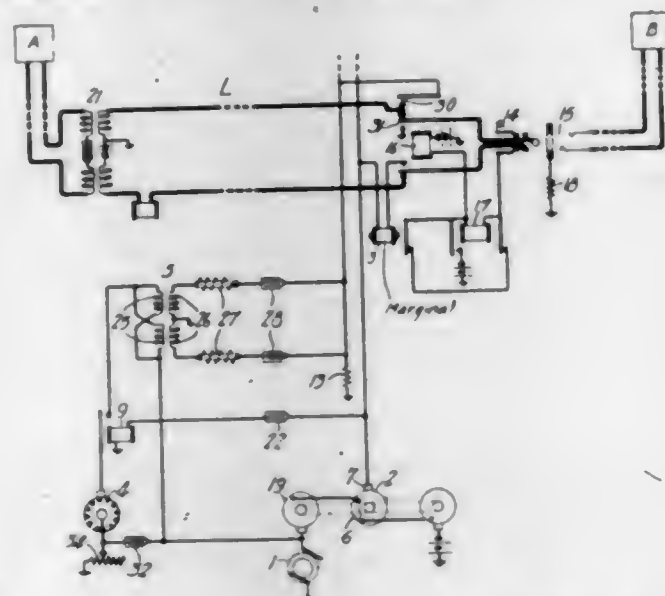
1,519,476. APPARATUS FOR RECOVERING MIXED SALTS FROM SOLUTION. NATHANIEL TERRY BACON, Peace Dale, R. I., assignor to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Original application filed Dec. 27, 1919, Serial No. 347,832. Divided and this application filed Apr. 7, 1922. Serial No. 350,340. 5 Claims. (Cl. 159-2.)



1. In an apparatus for separately recovering mixed salts from a solution thereof the combination of a continuous, vertically elongated evaporating tower, separate means for heating the solution, means for causing a continuous upward flow of heated solution of progressively decreasing temperature through said tower and a series

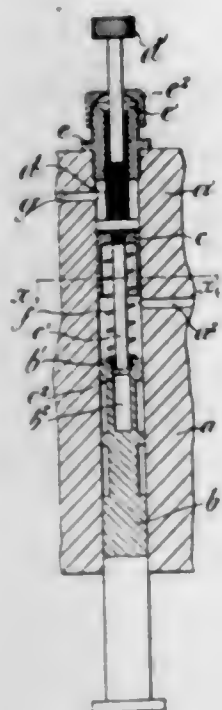
of collecting devices disposed one above the other in said tower and arranged to permit a continuous flow of solution through said tower and to separately collect the salts precipitated therein at different temperatures.

1,519,477. SIGNALING SYSTEM. WILLIAM C. BEACH, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1921. Serial No. 501,974. 7 Claims. (Cl. 179-89.)



3. In a telephone system, a calling station, a called station, a source of signaling current and a plurality of interrupters, one of said interrupters serving to periodically supply current from said source for signaling one of said stations and cooperating with another of said interrupters to supply current from said source to signal the other of said stations.

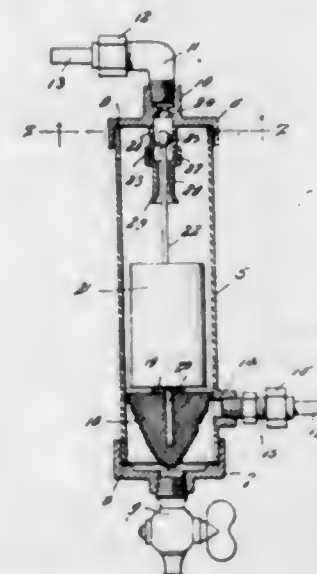
1,519,478. MEANS FOR VARYING THE DELIVERY OF PUMPS. ROBERT KENNETH BEATON, Greenock, Scotland. Filed Jan. 29, 1923. Serial No. 615,740. 3 Claims. (Cl. 103-37.)



3. Means for regulating or varying the amount of fluid delivered by reciprocating pumps, comprising an extension of each pump cylinder, a piston located in said extension, a rod fixed at one end to the piston and fitted at the other end with a collar and slidable in a longitudinal passage formed in the pump plunger, a plug fitted

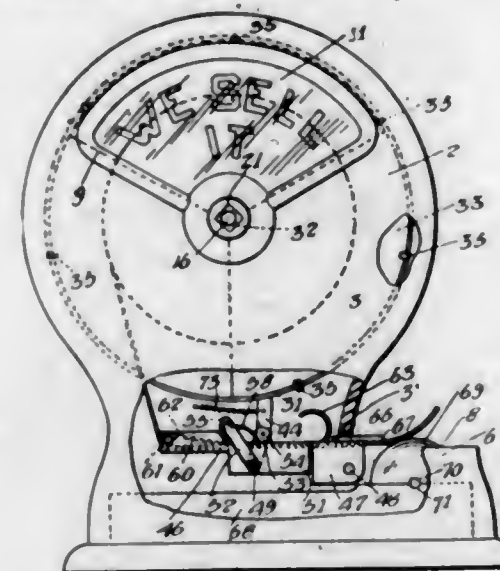
In the end of said plunger and surrounding the piston rod, a helical spring on said rod between and pressing against the piston and plunger, a cover fitted on the end of said extension, a regulating screw stop inserted through the said cover, a stem with a milled head extending from the screw stop through a packing recess in said cover, and a relief passage from the end of said extension to the suction of the pump.

1,519,479. GASOLINE FILTER. FRANK A. BENEFELD, Ada, Minn. Filed Apr. 25, 1923. Serial No. 634,447. 1 Claim. (Cl. 210-166.)



Apparatus for separating water from gasoline comprising a casing provided at its top with a fluid outlet opening and at its lower portion with a fluid inlet opening, a float member located in the casing between said openings, and adapted to move vertically in the casing, the specific gravity of the float member being such that it will float upon water and sink in gasoline, a nipple depending from the outlet opening and provided at its side and below the top of the casing with openings, a rod passing centrally through the float, means for guiding the lower portion of the rod, and a ball mounted upon the upper end of the rod and guided in the nipple and adapted to move across the openings in the sides of the nipples and adapted to seat upon the outlet opening of the casing.

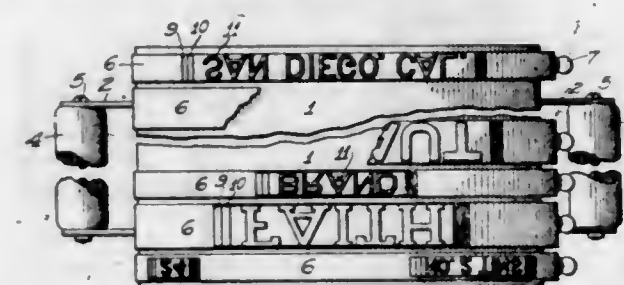
1,519,480. PAPER-TAPE-MAGAZINE HOLDER. ROBERT HOWARD BIGGS, St. Catharines, Ontario, Canada. Original application filed Apr. 14, 1922, Serial No. 552,760. Divided and this application filed Aug. 18, 1923. Serial No. 658,087. 2 Claims. (Cl. 40-71.)



1. In a paper tape magazine holder, the combination with a casing having a display orifice in the front and back wall thereof, of a stationary support mounted in the

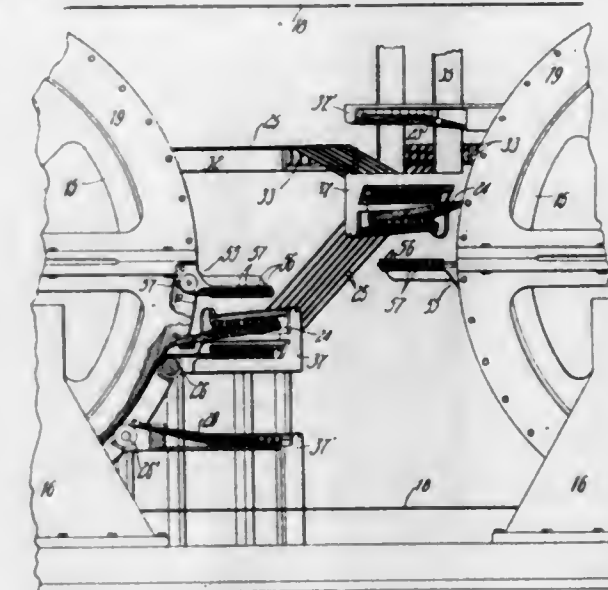
casing, a pair of spaced apart separable discs each bearing a series of advertisements adapted to successively appear through the display orifices and mounted upon said support to form an intervening paper tape roll containing space, a manually operated actuating lever, means located centrally of the discs and connecting means operated by the lever for rotating the discs in unison, and means also adjacent the centre of the discs for positively controlling the length of each movement.

1,519,481. BRANDING APPARATUS. WILLIAM S. BING, San Diego, Calif. Filed July 23, 1923. Serial No. 653,164. 9 Claims. (Cl. 101-376.)



1. An apparatus of the class described, including a supporting member, readily removable type supporting members secured to the one side of said supporting member, yieldable foundation material secured on the outer surface of said type supporting members, and type members secured to the outer portion of said yieldable foundation material.

1,519,482. MANUFACTURE OF BEAD FILERS. JOSEPH A. BOWERMAN, Wilbraham, THOMAS MIDGLEY, Hampden, and MARTIN CASTRICUM, Springfield, Mass., assignors to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 17, 1922. Serial No. 582,523. 20 Claims. (Cl. 18-6.)

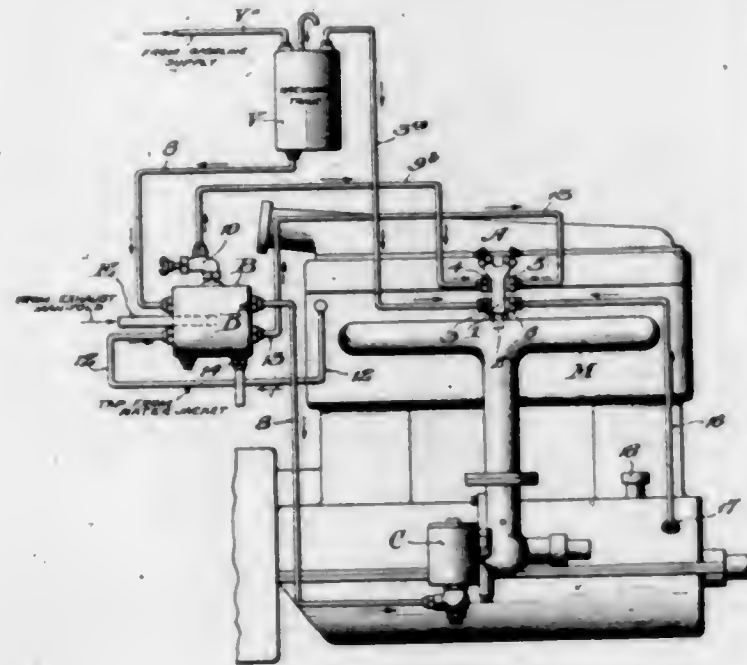


1. An apparatus for making bead fillers for tire casings, which comprises in combination a bead covering means and a bead vulcanizing mold adapted by simultaneous action to cover the bead and shape it as it is being covered by pressing the materials into said mold, including pressure means to cooperate with the mold and the covering means.

1,519,483. FUEL SYSTEM FOR INTERNAL-COMBUSTION ENGINES. GEORGE J. BURNS, Youngstown, Ohio. Filed Dec. 9, 1921. Serial No. 521,192. 4 Claims. (Cl. 123-25.)

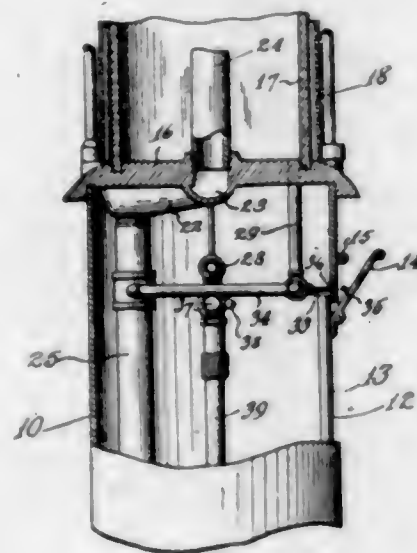
1. A fuel preparing and feeding apparatus for internal combustion engines including the combination with the intake manifold and the carburetor connected there-

with, of a mixing device communicating with the manifold, a heating unit having separate chambers respectively for pre-heating fuel supplied to the carburetor and also for heating water to produce steam, separate



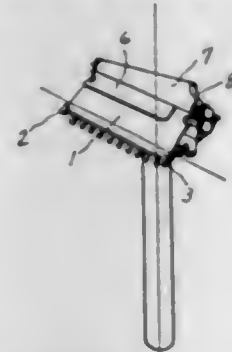
pipe connections between the mixing device and heating unit respectively for fuel vapor and steam, and a pipe connection also between the mixing device and the crank case of the motor.

1,519,484. FLUID-DISPENSING APPARATUS. JOHN J. CATRON, Bonham, Tex., assignor to Catron Manufacturing Company, Bonham, Tex. Filed Dec. 16, 1921. Serial No. 522,897. 1 Claim. (Cl. 221-74.)



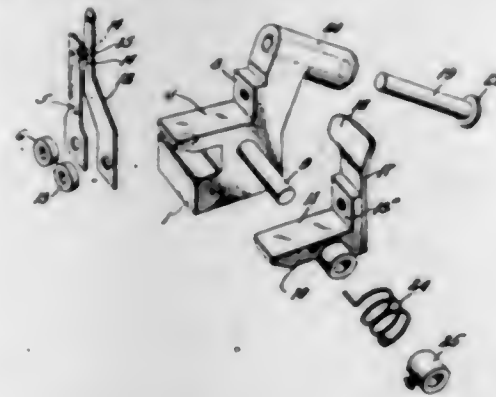
In a fluid dispenser, the combination of a cabinet, a liquid measuring receptacle carried by the cabinet, means for supplying a liquid to the receptacle, means for dispensing liquid from the receptacle, a drain pipe extending from the receptacle, an overflow pipe connected with the receptacle and having connection with the drain pipe below the receptacle, a normally closed drain valve interposed in the drain pipe and having a projecting operating element, a vertically sliding door mounted in the cabinet, the drain valve being located above the doorway of the door, and a hasp mounted on the upper end of the door and engaging the valve operating element to open the valve when the door is elevated and fastened.

1,519,485. RAZOR. HERMAN EDWARD CLARKE, Vancouver, British Columbia, Canada. Filed Apr. 14, 1924. Serial No. 706,366. 4 Claims. (Cl. 30-12.)



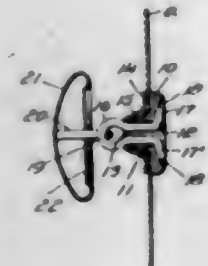
2. For use in a razor of the character described, an open-ended flattened sleeve provided at its forward edge with a blade holder, the opening at one end of the sleeve being longer than the opposite end opening.

1,519,486. MULTIPLE-THREAD TENSION DEVICE FOR SEWING MACHINES. ANDREW B. CLAYTON, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Dec. 7, 1922. Serial No. 605,351. 3 Claims. (Cl. 112-59.)



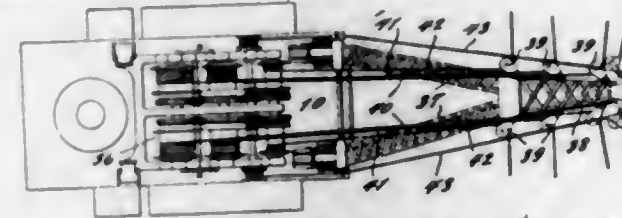
1. A multiple thread-tension device comprising a pair of relatively movable supports, a series of interleaved thread-nipping elements mounted alternately in spaced relation on said supports, and means for relatively moving said supports to shift the nipping elements carried by one support toward or away from the nipping elements carried by the other support.

1,519,487. BUTTON. LAURA S. COONEY, Brooklyn, N. Y. Filed Aug. 2, 1923. Serial No. 655,277. 3 Claims. (Cl. 24-107.)



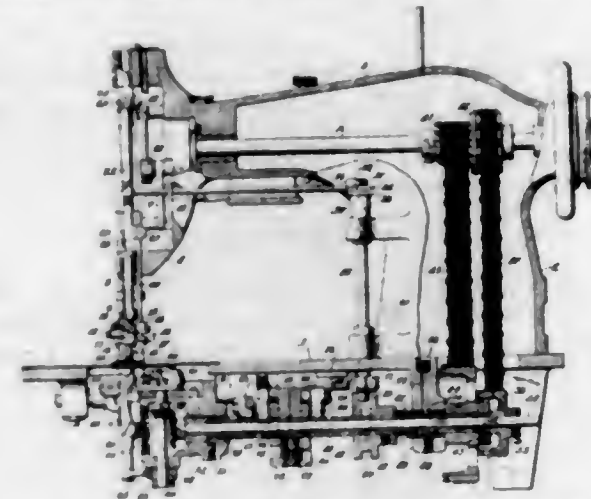
1. A button comprising a head having a shank extending rearwardly therefrom with an eye formed at the free end of the shank, front and rear material clamping members disposed in nesting relation and of substantially frusto conical formation, and a separate shank member having an eye formed in one end for loose engagement with the eye of the shank of said head and adapted to have its other end passed through said clamping members and overturned into engagement therewith with the head of said shank abutting one of said clamping members for binding said members in clamping relation on material engaged therebetween.

1,519,488. LOGGING APPARATUS. JOSEPH H. DICKINSON, Montclair, and EARVIN D. SWAN, East Orange, N. J. Filed May 21, 1920. Serial No. 383,066. Renewed Nov. 7, 1924. 3 Claims. (Cl. 212-141.)



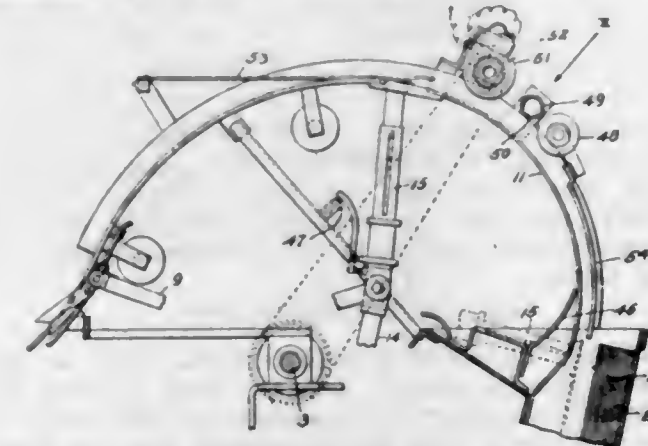
1. A logging apparatus comprising a boom having an A-shaped part and a projection extending beyond the tip of the A and forming an angle therewith, winding drums at the rear of the base of the boom, a plurality of sheave-blocks attached to the side of said projection, and cables wound on said drums and passing over the sheaves of said sheave-blocks.

1,519,489. SEWING MACHINE. GEORGE M. EAMES and JOHN S. FINCH, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Nov. 10, 1921. Serial No. 514,181. 7 Claims. (Cl. 112-81.)



1. In a sewing machine, the combination with a cloth-plate, a vertically reciprocating and laterally vibrating needle, means for imparting the vertical reciprocating movements to the needle, a rotary thread-mass carrying loop-taker complementary to said needle in the formation of lock-stitches, and a feed-dog, of a plurality of actuating shafts journaled coaxially beneath said cloth-plate, and means for imparting the laterally vibrating movements to said needle, the rotary movements to the loop-taker and the feeding movements to the feed-dog from said actuating shafts.

1,519,490. SHEET-METAL CONVEYER. JOHN W. FREE, Woodlawn, Pa. Filed Oct. 4, 1923. Serial No. 666,546. 6 Claims. (Cl. 83-92.)



1. In conveying apparatus for sheet metal of magnetic character the combination with arched ways and means for advancing a sheet thereon, a runway extending to

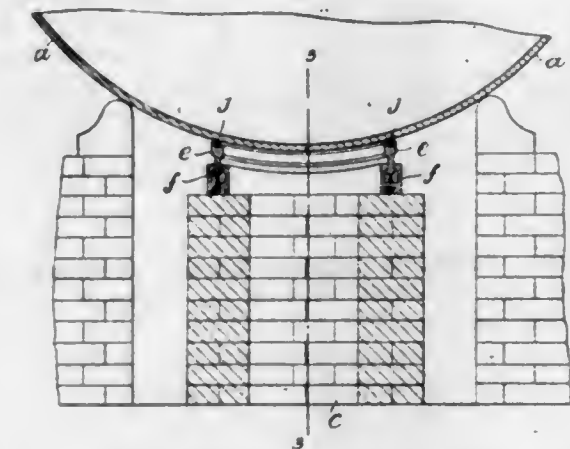
one side of the pathway of material upon said arched ways and at its receiving edge spaced at an interval from said arched ways, and a magnet arranged adjacent to and at an interval from said arched ways and adjacent the receiving edge of said runway.

1,519,491. STIFFENER FOR CAP VISORS AND THE LIKE. WILLIAM GROSS, New York, N. Y. Filed July 1, 1924. Serial No. 723,482. 5 Claims. (Cl. 2-195.)



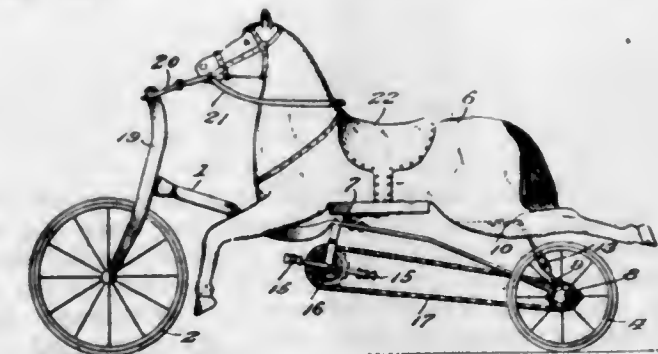
2. A stiffener for cap visors having a catch member secured thereto, said catch member being made of wire and being capable of penetrating the fabric with which the stiffener is covered during the process of completing the visor.

1,519,492. STEAM GENERATOR. WILLIAM HAMER, Jr., Bury, England. Filed Dec. 31, 1919. Serial No. 348,657. 3 Claims. (Cl. 110-1.)



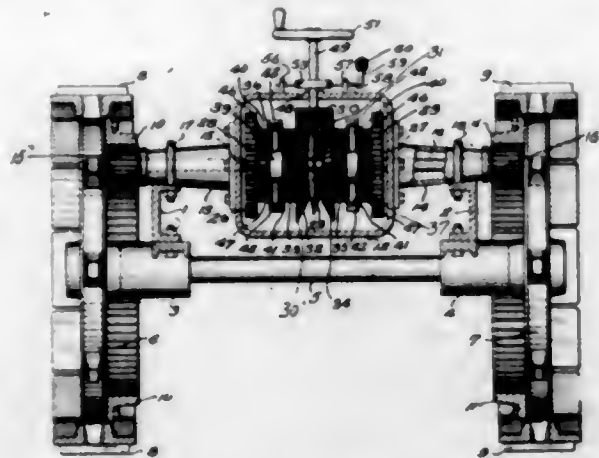
1. In a steam generator, having a shell and a supporting wall with a reentrant portion for clearing a boiler blow off cock, a guide extending along the reentrant portion of the wall, a closure member extending along the guide and carried thereby for movement toward and from the shell to close the space between the guide and shell, means for yieldingly pressing the closure member toward the shell, and deformable packing means carried by the closure member for actual engagement with the boiler shell.

1,519,493. TRICYCLE. HYRUM SNEITH HARKER, Shelley, Idaho, assignor to Pony Tricycle Corporation, San Francisco, Calif., a Corporation of California. Filed July 8, 1922. Serial No. 573,571. 4 Claims. (Cl. 208-42.)



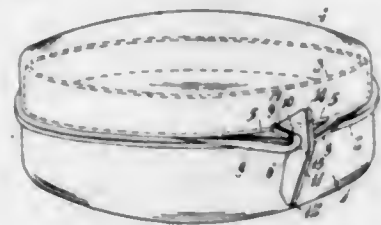
1. The combination with a frame, and an animal figure hinged thereto, of a shaft, means for propelling the shaft, a connecting rod extending from the shaft to the figure whereby to rock the latter as the vehicle is propelled, and means for regulating and varying the extent of the rock of the figure.

1,519,494. TRACTOR STEERING DEVICE. CHARLES KENT, Sundridge, Ontario, Canada. Filed Apr. 21, 1923. Serial No. 633,680. 5 Claims. (Cl. 180-17.)



1. In a tractor provided with tractor tread belts, the combination with a divided drive shaft and a driving connection between the outer end of each member of the drive shaft and the corresponding tractor tread belt, of a bevelled gear mounted on each member of the drive shaft, a driving connection between the engine shaft and each of the aforesaid bevelled gears, an independently operated steering shaft, a foot pedal operated band brake for locking the steering shaft at will in a stationary position, and a bevelled gear carried by the lower end of the steering shaft and meshing with the bevelled gears carried by the divided members of the drive shaft.

1,519,495. OPENER. PETER LIGHT, Cincinnati, Ohio. Filed Feb. 12, 1923. Serial No. 618,601. 9 Claims. (Cl. 220-43.)

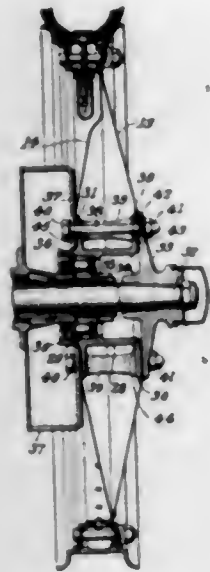


1. In combination with two members, one fitting into the other, the inner member having an engaging surface extending out past the outer member at a substantial angle to the adjacent sides of the members, a lever swinging on said outer member at a substantial angle to said sides and said engaging surface, with a part which lies across said engaging surface when the one member completely fits into the other member, whereby, when said lever swings, said part of the lever engages with said engaging surface substantially in the direction of relative separating movement of the members to effect a separation of said members.

1,519,496. METAL WHEEL. ALFRED M. LOFLAND, Lebanon, Ind., assignor of one-half to Lewis C. Willis, Indianapolis, Ind. Filed Feb. 26, 1921. Serial No. 448,067. 10 Claims. (Cl. 301-63.)

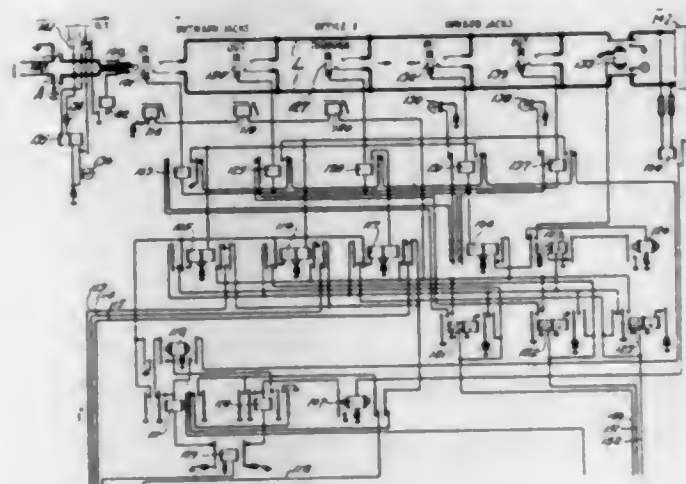
2. In a metal wheel construction, a hub provided with an integral annular flange adjacent its inner end and provided at its outer end with a second annular flange which constitutes a continuation of the body of the hub, and which has bevelled perforations therethrough, bracing means formed integral with and connecting said flanges, inner and outer stamped metal wheel forming members engaging respectively with the outer sides of said flanges, the outer member having portions countersunk into said bevelled perforations of said second annular flange, and means for clamping said members to said flanges comprising a brake drum surrounding the inner end of the hub and engaging the outer face of said

inner wheel forming member, a driving flange engaging the outer face of the outer wheel member, and a plurality of securing bolts each of which passes through said



drum, said members, said flanges and said driving flange, each of said bolts being provided with screw threads at both ends to receive securing nuts and also provided with an intermediate head to engage the countersunk portions of the outer wheel member.

1,519,497. TELEPHONE SYSTEM. HUGH D. MACPHERSON, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 5, 1922. Serial No. 527,072. 29 Claims. (Cl. 179-43.)

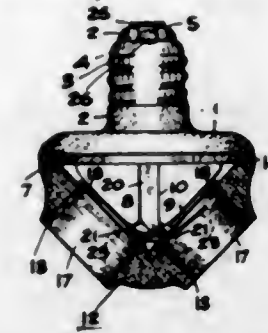


21. The method which comprises sending a code of impulses from one terminating office to an intermediate office, translating said code into a calling signal, repeating said code to another terminating office and translating said code at the last mentioned office into a busy signal.

1,519,498. CLUSTER PLUG. CHARLES STANLEY MALLET, Toronto, Ontario, Canada. Filed Aug. 23, 1921. Serial No. 404,566. 6 Claims. (Cl. 173-335.)

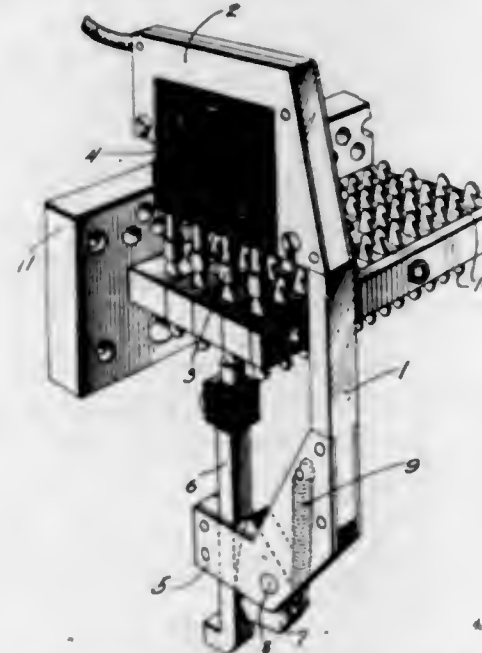
1. In a cluster plug, the combination with the base, of a cover of insulating material suitably secured thereto, said cover having lamp screw shell receiving orifices extending therethrough, lamp screw shells freely inserted

from the inside of the cover into said orifices and each having an opening in its inner end wall, means bearing against the inner end of the shell for preventing its in-



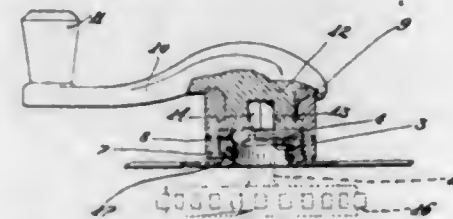
ward movement, and projections carried by the bearing means adapted to engage the openings of the inner end wall of each shell to prevent its turning movement.

1,519,499. TEST DEVICE. HARRY R. MENEFEE, Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1920. Serial No. 428,545. 4 Claims. (Cl. 173-324.)



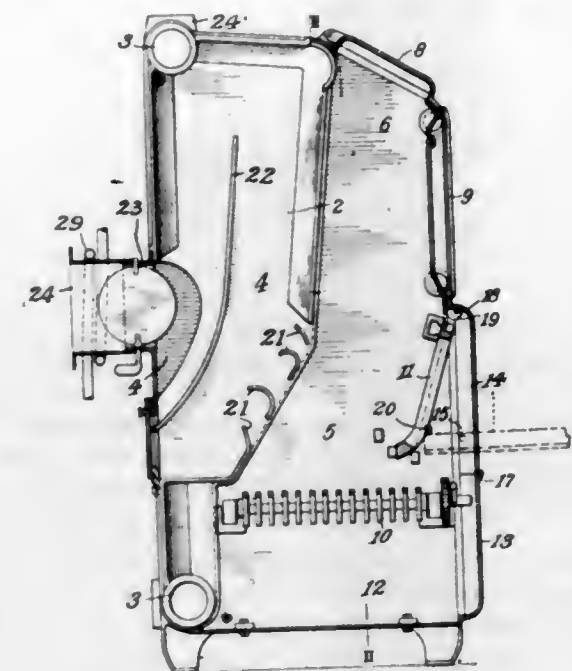
1. A test clamp comprising a frame, a plurality of spring-pressed plunger contacts adapted to engage a front strip of a terminal block, an adjustable plunger slidably mounted in said frame and adapted to engage a back strip of a terminal block; and a positive locking cam cooperating with said plunger to lock it in any set position holding the clamp in place on the terminal block.

1,519,500. HANDLE CONSTRUCTION. JOHN J. MILLER, New York, N. Y., assignor to Perfect Window Regulator Company, New York, N. Y., a Corporation of Maine. Filed Mar. 31, 1922. Serial No. 548,479. 5 Claims. (Cl. 292-356.)



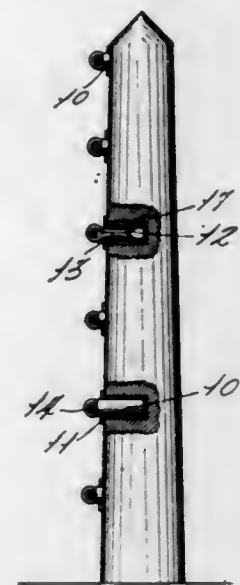
1. An article of manufacture comprising a support, a hollow bearing, a rotatable member mounted thereon and a continuous exteriorly screw-threaded nut within said bearing on which said bearing is screwed, said nut being detachably locked to said support.

1,519,501. HEATER. EDGAR C. MOLBY, Brooklyn, N. Y., assignor to Iron Products Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 18, 1921. Serial No. 462,391. 3 Claims. (Cl. 126-73.)



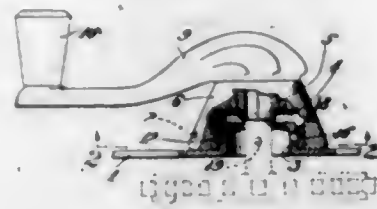
1. A heater comprising in combination a casing enclosing a fixed fuel magazine, and a combustion chamber beneath said magazine, there being an opening in the front of said casing approximately co-extensive in height and width with the combustion chamber; an approximately vertical grate mounted behind said opening; an offtake for products of combustion leading from said combustion chamber at a point opposite said grate; a second grate serving to support fuel in said combustion chamber; and a draft-controlling door mounted on said casing and movable between two positions, in one of which it serves as a hearth, and in the other of which it closes said opening.

1,519,502. FASTENING DEVICE. CHARLES R. NALLE, Wichita Falls, Tex. Filed June 5, 1923. Serial No. 643,564. 3 Claims. (Cl. 256-50.)



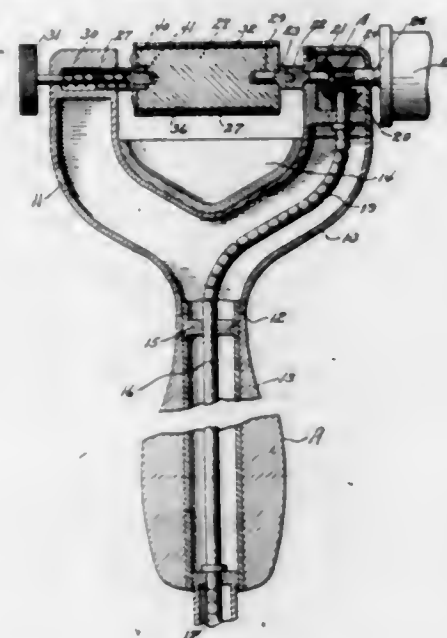
1. In a fastening device of the character described, a barrel having a pair of outwardly directed lugs and slots at its head, an internal wedge in the opposite end of the barrel, said barrel having openings on opposite sides of the wedge, and a staple driven into the barrel and having its ends split by said wedge and projecting through the openings for engagement with the side walls of the hole in which the barrel is inserted.

1,519,503. HANDLE CONSTRUCTION. HARRY E. NORWOOD, New York, and PETER JOHN KURSCHMIDT, Brooklyn, N. Y., assignors to Perfect Window Regulator Company, New York, N. Y., a Corporation of Maine. Filed Mar. 31, 1922. Serial No. 548,272. 14 Claims. (Cl. 292-356.)



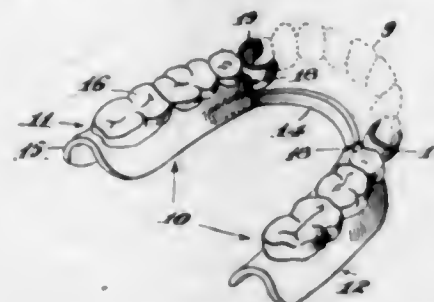
14. An article of manufacture comprising a support, a hollow bearing, a rotatable member mounted thereon, an annular flange extending outwardly from said support within said hollow bearing and removable spring means interposed between said annular flange and bearing for holding said bearing to said flange.

1,519,504. ELECTRIC SHAVING MACHINE. EDGARDO PANDO, Philadelphia, Pa. Filed Jan. 7, 1924. Serial No. 684,866. 5 Claims. (Cl. 30-12.)



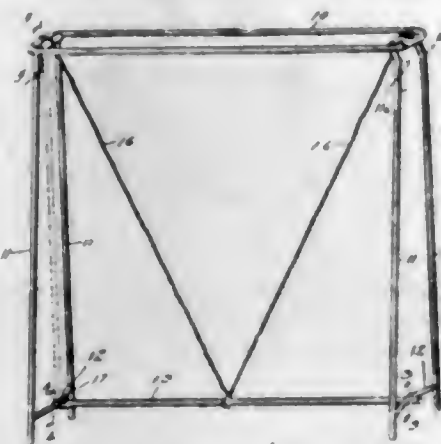
1. In a power driven shaving machine, a U-shaped yoke, a power driven shaft carried by one arm of the yoke having a socket formed therein, a razor blade carrying drum having a pin at one end thereof for fitting in said socket and a recess in its opposite end, and a sliding spring pressed supporting pin arranged to fit in the recess in the drum.

1,519,505. PARTIAL DENTURE. STANLEY E. NOYES, Los Angeles, Calif. Filed Oct. 1, 1923. Serial No. 665,771. 5 Claims. (Cl. 32-12.)



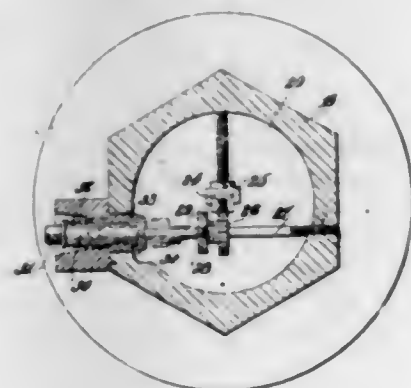
1. In a denture-anchoring device, the combination of a slotted tube, a socket for said tube, and means on said socket, engaging the slot in said tube for movably connecting said socket and tube.

1,519,506. COLLAPSIBLE SUPPORTING DEVICE. THOMAS EDWIN POWERS, Clarinda, Iowa. Filed Oct. 24, 1923. Serial No. 670,500. 3 Claims. (Cl. 248-41.)



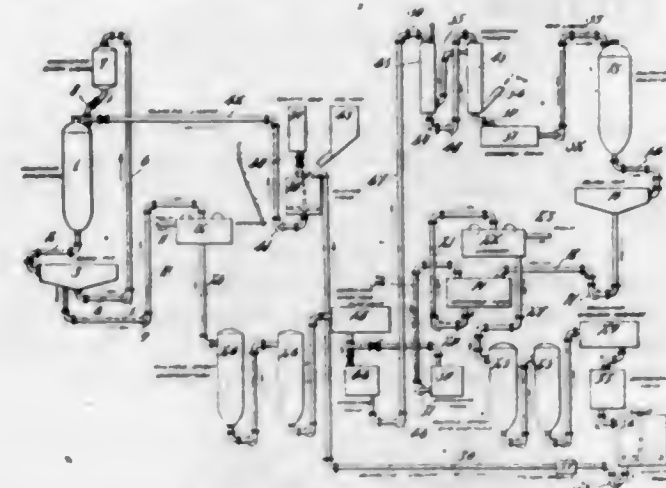
3. In a collapsible device of the class described, a supporting element, pairs of spaced legs pivoted at the ends thereof, cross members connecting the respective legs of each pair near their lower ends, a rod extended between and below said cross members having a loose connection with one cross member and capable of pivotal movement with relation to the other, and flexible members connected with the ends of said element and with said rod near the middle thereof for holding the rod against said cross members under tension when the device is set up, said cross members and rod having connecting parts for preventing movement of the members longitudinally of the rod.

1,519,507. TANK CAR. JOHN RATH, Bayonne, N. J. Filed Feb. 17, 1920. Serial No. 359,451. 4 Claims. (Cl. 137-21.)



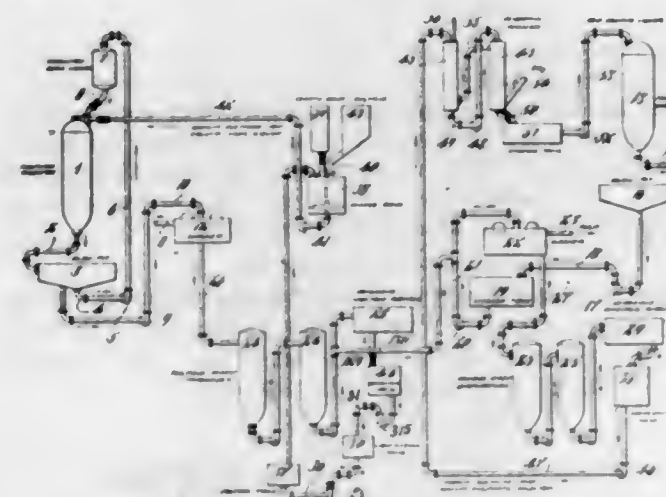
4. The combination with a tank car having an outlet and a main valve therefor controlled from the dome, of a detachable cap constructed to be secured to the outlet and a valve in said cap comprising a valve movable in a vertical plane against the weight of the liquid in the tank car, an operating shaft positioned at an angle to the direction of movement of said valve, gearing operatively connecting said shaft with said valve and adapted to permit movement of the valve into its closed position by pressure of liquid in the tank car, a collar slidably mounted at one end of the shaft, a notched member secured to said shaft, a pawl adapted to engage said notched member, and resilient means for normally maintaining said pawl and notched member out of engagement, said collar being adapted to force said pawl into engagement with said notched member to maintain said shaft in fixed position.

1,519,508. INTERRELATED PROCESS OF AND APPARATUS FOR PRODUCING SULPHATE AND SULPHITE PULP. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Aug. 18, 1923. Serial No. 658,101. 18 Claims. (Cl. 92-11.)



1. A process of fiber liberation, which comprises digesting raw cellulosic material in an acid cooking liquor containing a soluble sodium compound, digesting raw cellulosic material in an alkaline cooking liquor containing a soluble sodium compound, and recovering sodium compounds from the waste acid cooking liquor resulting from one digestion and using the same in the formation of the alkaline cooking liquor for the other digestion.

1,519,509. SYSTEM FOR AND METHOD OF PRODUCING SULPHATE AND SULPHITE PULP. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Sept. 6, 1923. Serial No. 661,241. 7 Claims. (Cl. 92-11.)



1. A process of manufacturing chemical wood pulp, comprising cooking raw cellulosic material in a sulphurous acid solution of sodium sulphate, smelting the inorganic content of the waste liquor together with the inorganic content of a waste alkaline cooking liquor and recovering soluble inorganic compounds in an aqueous solution, acidifying such solution with sulphur dioxide, and cooking a fresh batch of cellulosic material therewith.

1,519,510. SAFETY COOKER. ANTONIO V. SANTARSIERO, New York, N. Y. Filed Sept. 29, 1923. Serial No. 665,714. 2 Claims. (Cl. 53-1.)

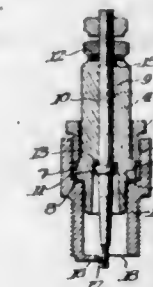
1. A cooking utensil comprising an outer imperforated vessel, an inner perforated vessel, vertically extending diametrically disposed bracing rods secured to the container, the lower ends of the rods extending below the

lower wall of the container for engaging the lower wall of the vessel, to form supporting feet for the container, the upper ends of the rods being bent outwardly in opposite directions a sufficient distance to permit removal



of the cover, and provided with eyes, a ball handle having its terminals secured to the eyes, a cover plate for the utensil having inwardly extending diametrically disposed slots formed therein for receiving said bent portions of the rods.

1,519,511. SPARK PLUG. CHARLES SCHMIDT, McKees Rocks, Pa., assignor of one-half to Abram Goldvarg. Filed Sept. 21, 1923. Serial No. 664,052. 1 Claim. (Cl. 123-169.)



A spark plug having a metal jacket opened at its lower end, an anode electrode within the jacket and insulated therefrom, a cathode electrode integral with the jacket and extending inwardly toward said anode electrode to form a spark gap, and lying substantially flush with the lower edge of said jacket, the lower edge of said jacket opposite said electrode being cut away for a distance about its periphery.

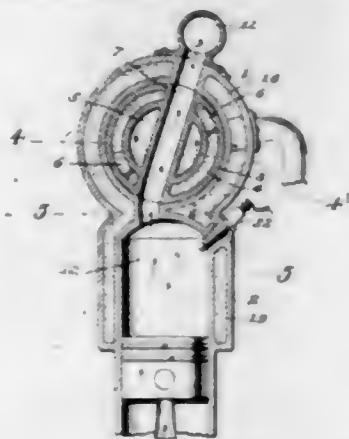
1,519,512. DRILLING DEVICE. GEORGE W. SCHROCK, Kellogg, Idaho. Filed Oct. 6, 1923. Serial No. 667,003. 2 Claims. (Cl. 255-27.)



1. A drilling mechanism comprising a jar section having a longitudinal opening and a lower end wall, a drill attaching stem having a pin slidable through the lower end wall of said jar section, a spring confined

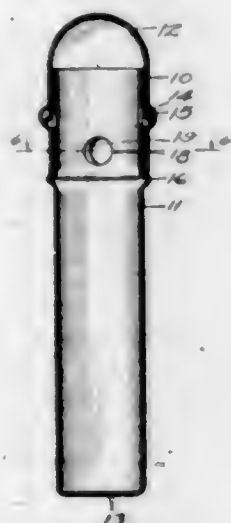
between the lower end wall of said jar section and the upper end of said pin, and a U-shaped holding member having a bight portion connected to said pin and having side branches arranged exteriorly of said opening and connected to said stem.

1,519,513. ROTARY VALVE. LOTH A. SMITH, Washington, D. C. Filed Sept. 22, 1920. Serial No. 411,897. 9 Claims. (Cl. 123-177.)



1. A valve for internal combustion engines consisting of a valve housing, a rotary valve body having exhaust passages extending transversely therethrough, a central longitudinal fuel intake passage and an annular cooling medium passage surrounding said gas intake passage.

1,519,514. VANITY CASE. FRANK M. STEVENS, Des Moines, Iowa, assignor to The Armand Company, Des Moines, Iowa. Filed July 9, 1923. Serial No. 650,286. 3 Claims. (Cl. 221-64.)



3. A vanity case comprising a pair of tubular members fitted together for forming a container, one of said members being formed with an inwardly opening annular groove, a tongue formed on the other of said members adapted to extend into said groove for preventing the separation of said members, a flat offset outwardly extending portion on said tongue arranged to frictionally engage the inner surface of one of said members above the groove therein for holding the members against accidental rotation relative to each other.

1,519,515. TOOTHBRUSH CONSTRUCTION. CHARLES ARCHIBALD STONEHILL, Glencoe, Ill. Filed Sept. 8, 1923. Serial No. 661,633. 1 Claim. (Cl. 132-84.)

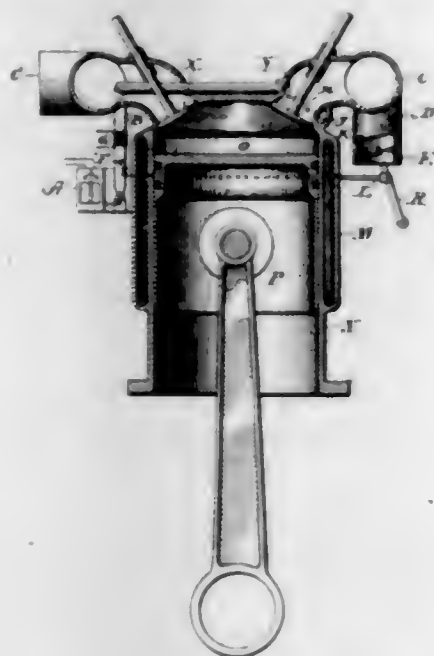
A tooth brush construction comprising a curved handle having a slot in one end thereof, the longitudinal axis of said slot being curved in conformity with the curvature of the handle, and a curved tooth pick arranged to slidably enter the slot and to frictionally en-

gage with the walls of the slot so as to normally be held in place, said tooth pick having a head provided with a shoulder arranged to engage with the end of the



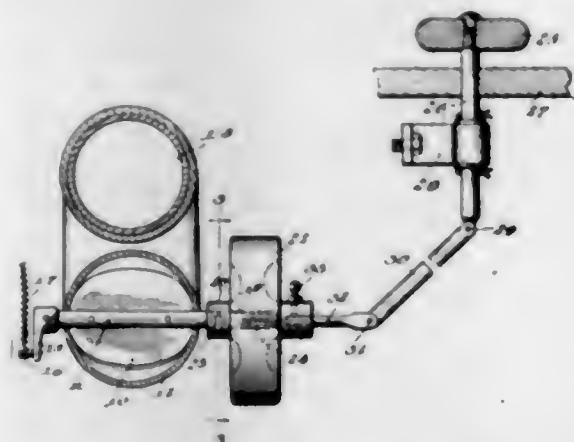
handle and to limit the movement of the tooth pick inwardly, said head being of less width than the width of the handle, whereby the head is rendered inconspicuous.

1,519,516. FUEL VAPORIZER. WALTER W. STRYKER, Dayton, Ohio; Edward T. Jones administrator of said Walter W. Stryker, deceased. Filed Feb. 17, 1921. Serial No. 445,803. 3 Claims. (Cl. 123-122.)



1. In an internal combustion engine, the combination of an inlet valve, a venturi mixing chamber adjacent thereto, the stem of the valve passing through the mixing chamber, and means for heating and delivering a combustible fluid to the said mixing chamber.

1,519,517. VALVE-ACTUATING ATTACHMENT FOR AUTOMOBILES AND THE LIKE. MARSHALL KNIGHT THAYER, Casper, Wyo. Filed Mar. 26, 1924. Serial No. 702,120. 5 Claims. (Cl. 137-139.)



5. A valve having a rotatable stem for shifting the valve to open and closed position, a balance wheel, and means for mounting the balance wheel on the stem so as to permit limited rotatable movement of the balance wheel relative to the stem and to positively connect

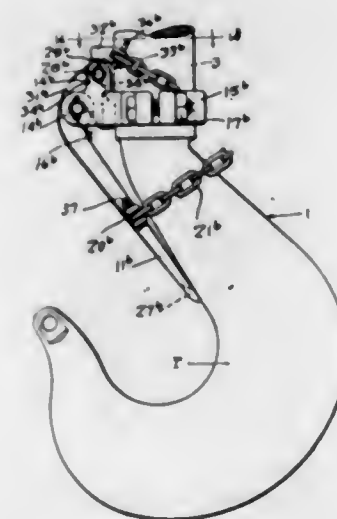
the balance wheel to the stem at either end of its relative rotatable movement with respect to the stem, whereby the balance wheel is engageable with the stem with a jarring or hammering action tending to free the valve when the latter is stuck.

1,519,518. HEN'S NEST. WALTER A. THORP and OLE N. OLSON, Mankato, Kans. Filed Apr. 24, 1924. Serial No. 708,733. 2 Claims. (Cl. 119-45.)



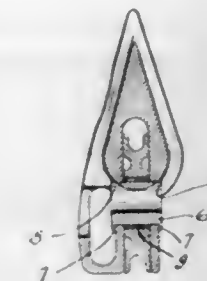
1. A hen's nest comprising a casing including front and rear walls, end walls, a top hinged to said rear wall, a bottom hinged to the rear wall, means on the front wall for holding the bottom in a closed position, spaced vertically disposed partitions arranged in said casing to provide a plurality of compartments, the front wall of the casing having an opening provided therein cooperating with each compartment providing an entrance and exit therefor, a perch board pivotally supported on said casing and normally disposed outwardly below the front of the casing, said perch board adapted to be swung upwardly into engagement with the front wall of the casing and to close the openings provided therein.

1,519,519. WELL-CASING HOOK. EDWARD TIMBS, Torrance, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Mar. 5, 1923. Serial No. 622,819. 8 Claims. (Cl. 24-232.)



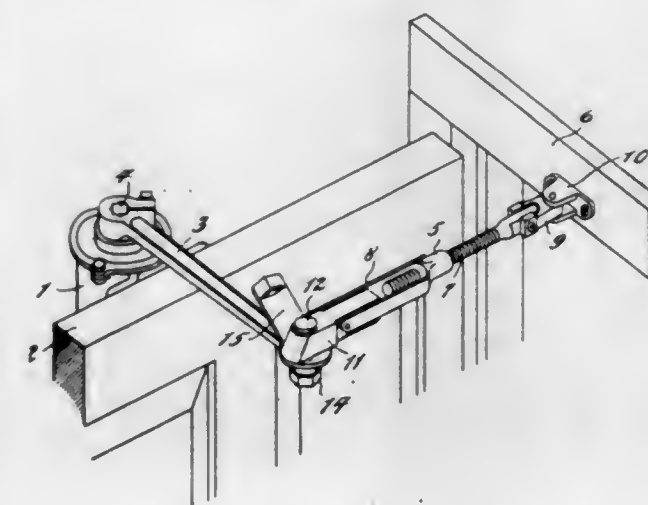
1. An attachment for a well casing hook comprising a member adapted to be secured to a well casing hook, a safety bar pivotally hinged to said member, a spring adapted to normally close said bar across the well casing hook, means for moving said bar to open said hook, means to maintain said bar in the open position, and means operable from behind the hook for releasing said means.

1,519,520. PULLEY THIMBLE. STEPHEN R. WARREN, Akron, Ohio. Filed Feb. 2, 1923. Serial No. 616,611. 1 Claim. (Cl. 254-195.)



In a combined pulley and cable thimble, a pulley wheel, a hollow shaft rotatably mounting the same, a bifurcated support for said shaft, one leg of the bifurcation provided with a substantially flat surface spaced from the pulley wheel end of said bifurcated support adapted to contact with an external body to prevent chafing, said support at its upper part providing a curved groove which registers with the hole in said hollow shaft to provide an unbroken surface serving as a cable thimble.

1,519,521. DOORCHECK. BRUNO WEBER, Chicago, Ill., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed Feb. 9, 1924. Serial No. 691,591. 6 Claims. (Cl. 16-65.)

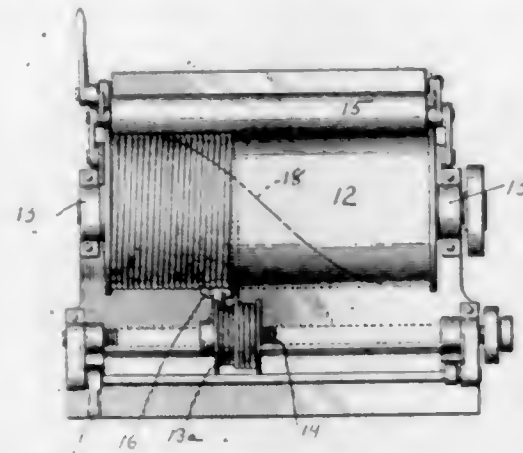


2. A door check comprising, in combination with a closing mechanism arranged to be secured to a door, a lever arm operatively carried by the closing mechanism, a fulcrum arm arranged to be secured to a door casing and having pivotal connection with the lever arm, and a spring plate adjustably mounted on said pivotal connection and movable with the lever arm and having near its free end an offset stop portion adapted to engage the adjacent side of the fulcrum arm in yieldable stop relation.

1,519,522. METHOD AND APPARATUS FOR MAKING PNEUMATIC-TIRE FABRICS. DANIEL MICHEL WEIGEL, London, England, assignor, by mesne assignments, to The American Wire Cord Tire Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 13, 1921. Serial No. 436,899. 7 Claims. (Cl. 154-2.)

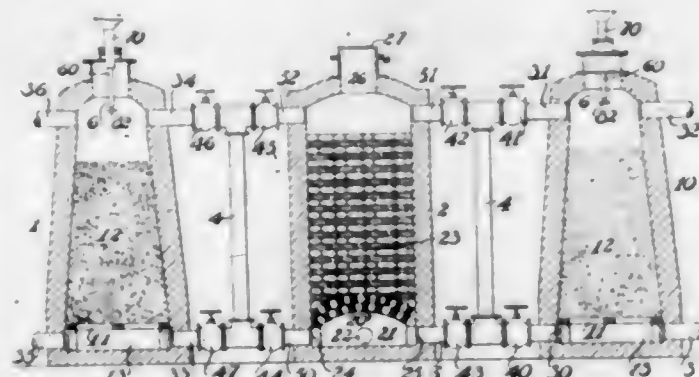
1. The method of making a fabric for tires which consists in winding successive convolutions of rubber coated flexible wires about a form, thereafter compacting and

flattening the rubber to form the rubber into a homogeneous mass with the wires embedded therein and spaced from each other and entirely within the rubber mass.



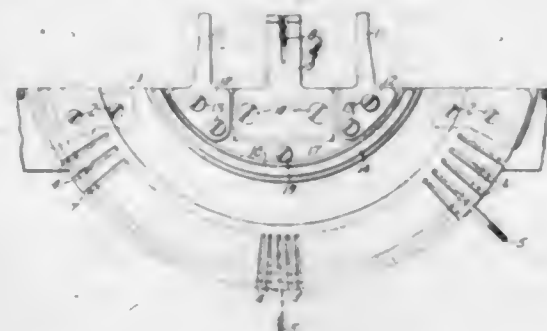
and thereafter so cutting the rubber and the wires as to obtain a sheet having the wires extending on a bias to the edge thereof.

1,519,523. APPARATUS FOR MAKING ILLUMINATING GAS. DANIEL J. YOUNG, Tacoma, Wash., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash., a Corporation of Washington. Filed Jan. 31, 1921. Serial No. 441,369. 3 Claims. (Cl. 48-73.)



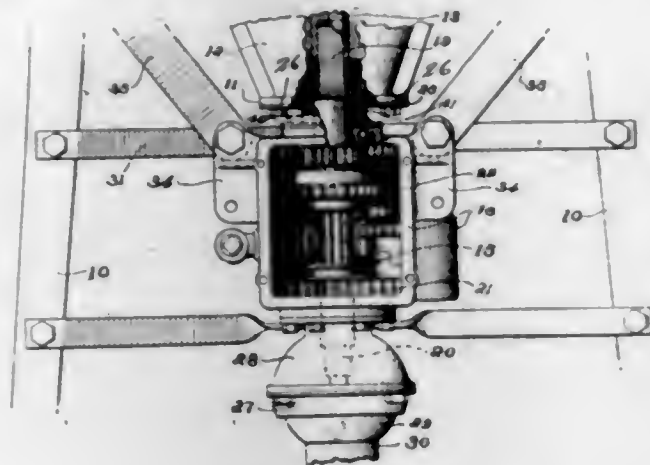
3. A gas making apparatus comprising two generators, and a gas superheater, gas conduits connecting the top and the bottom of the superheater with the like parts of each generator, two controlling valves in each of said connections, and a conduit forming a cross connection between that part of said top and bottom conduits between the valves thereof.

1,519,524. TYPEWRITING MACHINE. FREDERICK Wm. YOUNG, Utica, N. Y., assignor to Remington Typewriter Company, Ithaca, N. Y., a Corporation of New York. Filed Nov. 27, 1922. Serial No. 603,430. 13 Claims. (Cl. 197-183.)



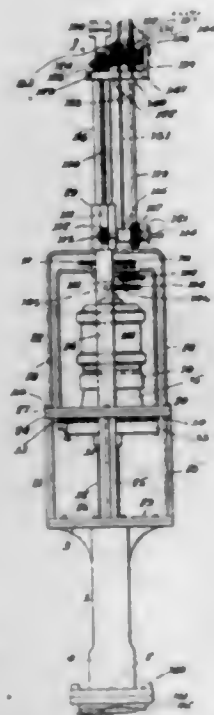
1. In a typewriter machine, the combination of a platen, a set of type bars, and a split tubular anvil having a longitudinal opening, said anvil being reversible.

1,519,525. AUXILIARY TRANSMISSION FOR MOTOR CARS. HENRY E. BARNETT, Summit, Miss. Filed Sept. 10, 1924. Serial No. 736,937. 6 Claims. (Cl. 74-58.)



1. In a motor vehicle transmission, a motor-carrying frame, a motor element including a revoluble power shaft, a speed-changing device including a case movable by excessive pressure relatively to said frame longitudinally of the shaft, said speed-changing device including also a power receiving shaft and a power transmitting shaft adapted to be coupled to a final drive, said speed changing device including a mounting separate from the motor frame, said power receiving shaft having an extensible and contractible connection with said power shaft.

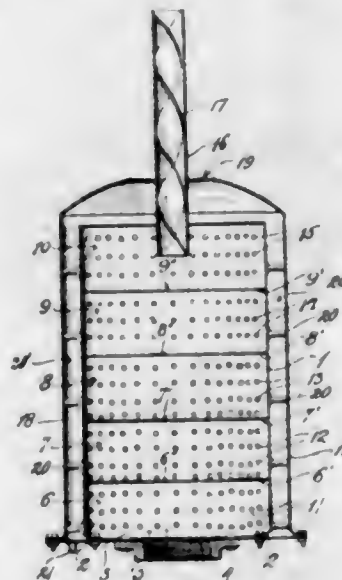
1,519,526. CYLINDER-GRINDING MACHINE. OTHELLO L. BEAN and JAMES W. RASMUSSEN, Los Angeles, Calif., assignors to U. S. and Foreign Patents Holding Co., Los Angeles, Calif., a Corporation of California. Filed Feb. 11, 1924. Serial No. 691,915. 4 Claims. (Cl. 51-43.)



1. In a grinding machine, a lower bearing, an upper bearing, a carrier including a lower plunger reciprocally mounted in said lower bearing, a spindle extending eccentrically and longitudinally through said plunger and journaled therein, a grinding wheel secured on the lower end of said spindle, a motor, means for mounting said motor on said carrier, means for causing said motor to drive said spindle and grinding wheel, a motor cage secured on said carriage, a non-rotatable hollow plunger reciprocally mounted in said upper bearing, a rotatable shaft extending through and journaled in said non-rotatable plunger, a gear secured on said non-rotatable

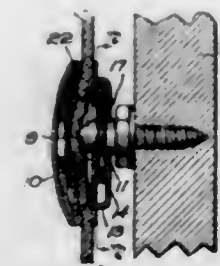
plunger, a pinion journaled on said motor cage and meshing with said gear, means to enable said motor to drive said pinion to rotate said motor cage and carrier, and means driven by said rotatable shaft for reciprocating said carrier and the parts carried thereby.

1,519,527. MUFFLER. RALPH R. BUMBAUGH and CHARLES W. STONE, Los Angeles, Calif. Filed Dec. 9, 1922. Serial No. 605,799. 1 Claim. (Cl. 137-160.)



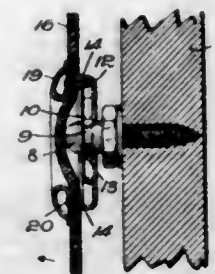
A muffler comprising a chamber arranged for attachment to a conveying means for exhaust gases, said chamber having a plurality of equally distanced plates within and extending entirely across and dividing said chamber into a plurality of compartments, each plate having a central opening, and the opening in each plate decreasing diametrically from the inlet to the outlet, each of said compartments provided with a plurality of series of circumferential rows of lateral ports, the ports in several of the said compartments being greater in number than in others, a pipe connected to one end of said chamber and communicating directly with the end compartment, a gas retarding means in said pipe, and a jacket enveloping and free of said chamber and provided in the end thereof with an opening through which said pipe extends.

1,519,528. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Nov. 18, 1922. Serial No. 601,830. 4 Claims. (Cl. 24-218.)



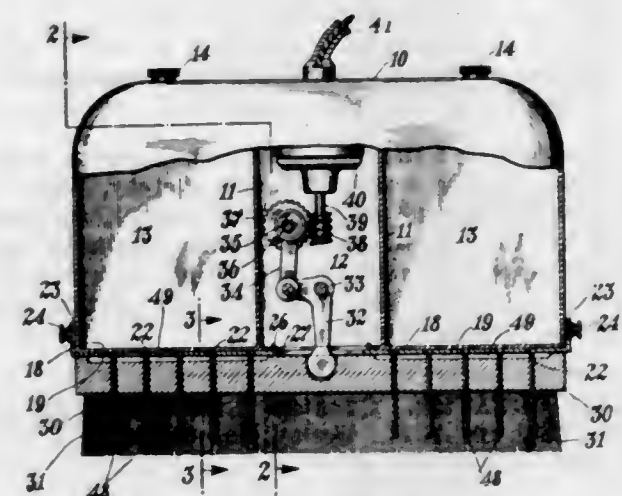
1. A three-side lock fastener comprising, in combination, a stud presenting a head and a neck, a socket presenting a casing, a fixed neck-entering jaw, and plural resilient jaws urging said stud toward said fixed neck-entering jaw, said head presenting a rearwardly facing shoulder against which said resilient jaws and said neck-entering jaw abut when stud and socket are engaged, the engagement of said fixed jaw and said shoulder presenting a substantial relative inclination and the engagement between said plural resilient jaws and said shoulder presenting no substantial relative inclination whereby said stud and socket are separable only by relative tipping movement at the side presenting said fixed jaw.

1,519,529. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Nov. 18, 1922. Serial No. 601,831. 9 Claims. (Cl. 24-218.)



1. A fastener comprising, in combination, a stud presenting a head and a neck, and a socket presenting a one-piece casing for attachment to that side of the stud-carrying fabric where the stud is located, said one-piece casing presenting a stud-receiving aperture, a unitary inclined jaw for engagement with said neck of said stud, and inwardly projecting flanges abutting the carrying fabric, jaw means within said casing presenting plural jaws for gripping said stud when entered in said stud-receiving aperture and inclined to urge engagement between said neck and said inclined jaw.

1,519,530. POWER-OPERATED MAGAZINE BRUSH. HARRY K. CHAN, Honolulu, Hawaii. Filed Dec. 5, 1923. Serial No. 678,584. 2 Claims. (Cl. 15-50.)

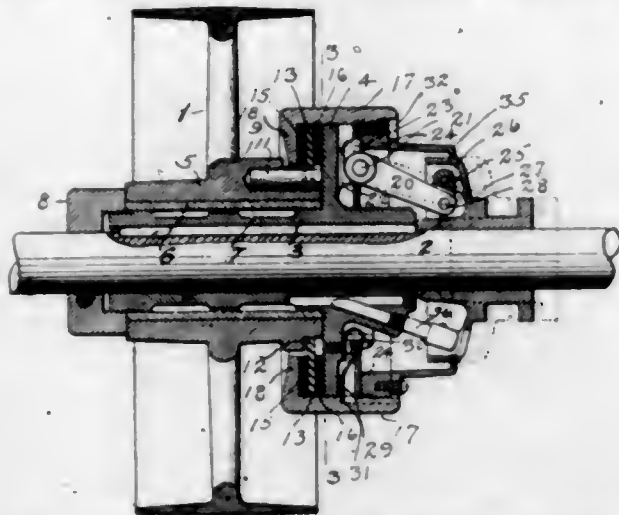


1. A fountain brush comprising a casing divided into a central compartment and end compartments, the central compartment forming a mechanism chamber, and the end compartments forming liquid receptacles, guide elements on the face of said casing, under said end compartments, a brush engaged with said guide elements, means in said chamber for reciprocating said brush, and apertured valve plates interposed between the bottoms of said receptacles and the said brush.

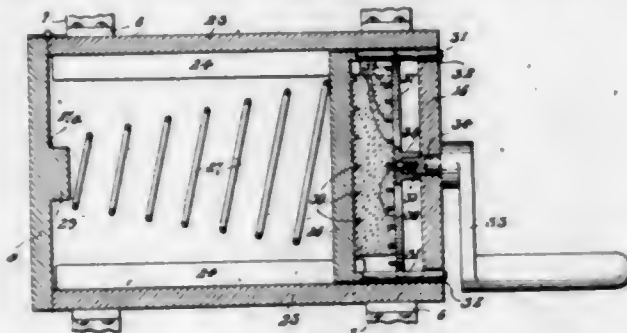
1,519,531. FRICTION CLUTCH. WILLIAM P. COFFMAN, Dunkirk, and CARL M. ANGLEMYER, Dayton, Ohio, assignors to The Edgemont Machine Company, Dayton, Ohio, a Corporation of Ohio. Filed July 21, 1921. Serial No. 486,515. 6 Claims. (Cl. 192-68.)

1. In a friction clutch, a driving and a driven member, one of said members having a series of studs embedded therein, a peripheral recess formed in said member within which the studs are exposed, a clutch ring, having a series of notches in its inner circumference engaging over the exposed portions of said studs and movable in an

axial direction thereon, a clutch face on the other of said members, friction means interposed between said ring and clutch face, and clamp means for shifting said ring axially and clamping it in frictional engagement with the said clutch face to interconnect the driving and driven members.

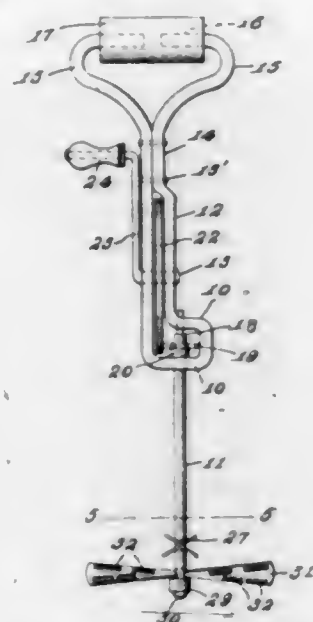


1,519,532. CHEESE GRATER. PIETRO DE EULIS and FRANK DE EULIS, Ravenna, Ohio. Filed July 17, 1924. Serial No. 726,512. 5 Claims. (Cl. 146-113.)



3. In a device of the type described, a cheese support, a movable grating element carried thereby, means for forcing cheese toward said grating element, and means carried by the cheese forcing means, rendered active upon the arrival of said forcing means in proximity to the grating element, for preventing the further operation of the grating element.

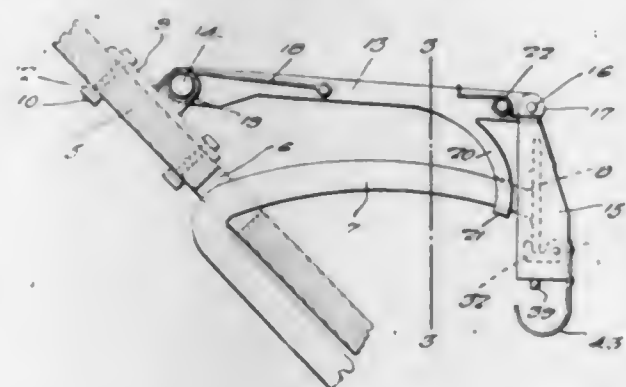
1,519,533. BEATER. CHARLES DINGLE, Florence, Ariz. Filed Feb. 19, 1923. Serial No. 619,967. 1 Claim. (Cl. 259-134.)



In a beater, a blade shaft having fixed thereon a gear, a frame formed of a single piece of metal bent upon itself and having at its bight an offset portion housing

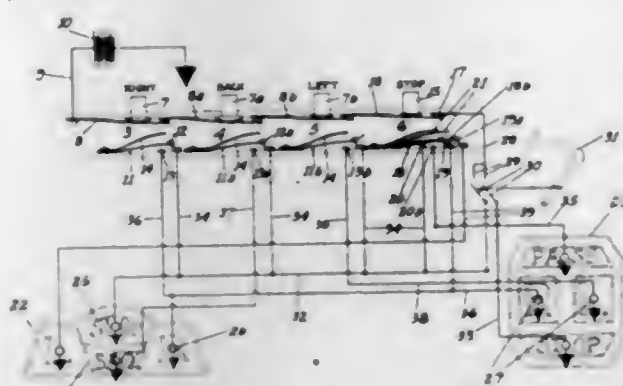
said gear and also having at an intermediate point of its length a comparatively shallow housing portion and further having portions arranged against each other and fixedly connected together and terminating in aligned spindles, a hand grasp receiving said terminal spindles, a gear arranged in said shallow offset portion, and a crank-shaft fixed to said gear and journaled in frame portions opposite the shallow offset portion.

1,519,534. MOTOR-VEHICLE LOCK. CHARLES ERICKSON, Astoria, Oreg. Filed Mar. 17, 1924. Serial No. 699,803. 2 Claims. (Cl. 70-128.)



1. A clutch pedal lock of the character described comprising a base plate adapted to be rigidly secured upon the foot board of a motor vehicle, a rearwardly extending vertically swinging arm hinged to said base plate, a casing hinged to and suspended from the rear end of said arm and adapted for enclosing relation with the foot plate of said pedals when the arm is lowered, key controlled means carried by said casing for locking the same to and preventing depression of said pedal, said locking mechanism including a locking element engageable with said foot plate of the pedal, said locking element comprising a vertically swinging locking hook and the locking mechanism further embodying a spring projected bolt adapted for retraction by means of a removable key, said bolt being adapted for longitudinal movement and arranged to normally lie beneath the locking hook to maintain the latter in locking position.

1,519,535. MULTIPLE-CONTACT ELECTRIC SWITCH. RICHARD A. FINIS, San Francisco, Calif., assignor to The Hi-Sign Signal Company, Stockton, Calif., a Corporation. Filed June 16, 1922. Serial No. 568,795. 3 Claims. (Cl. 200-5.)



1. An electric switch comprising, a strip free at one end, said strip being connected in a circuit, another strip under the first named strip, a contact member arranged in a circuit and normally engaged by the last named strip, another contact member adapted to be engaged by the last named strip but normally spaced therefrom, an intermediate strip fixed at one end to the lower strip and normally spaced from the upper and lower strips at its free end, and a button acting on the upper strip and adapted to be depressed to cause the upper strip to

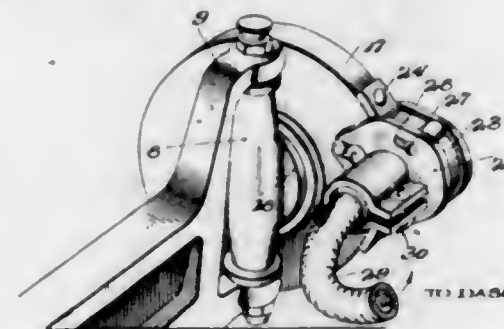
first engage the intermediate strip, and to then cause the latter to engage the lower strip to disengage the same from the first named contact and engage it with the second named contact.

1,519,536. ROLL-FILM CARTRIDGE. EDMOND G. FURNY, Bridgewater, Va., assignor to Ansco Photoproducts, Incorporated, Binghamton, N. Y. Filed Feb. 20, 1924. Serial No. 694,082. 2 Claims. (Cl. 206-59.)



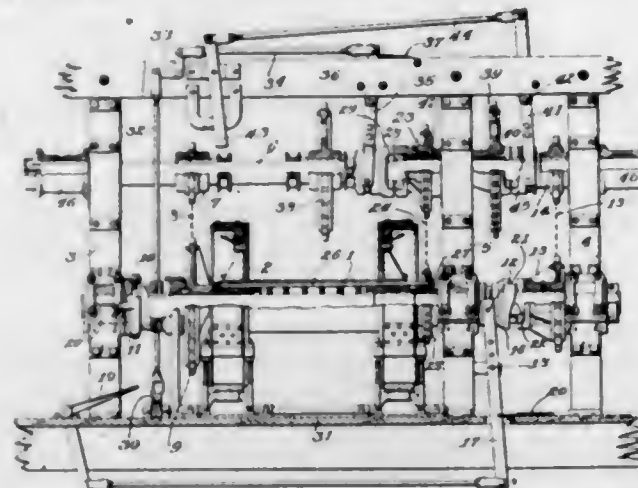
2. The method of securing a photographic film cartridge against unwinding, including the steps of inserting one end of the strip thru a pair of parallel slots in said strip and folding said end back on itself and into a third slot.

1,519,537. SPEEDOMETER DRIVE. HAROLD S. GINGRICH, Detroit, Mich. Filed Nov. 28, 1923. Serial No. 677,424. 5 Claims. (Cl. 74-7.)



1. In a speedometer drive, the combination with a rotatable driving member, of a drive gear attachable to said driving member, a stationary drum enclosing said drive gear having an opening through its peripheral edge, a housing covering said opening having an adjustable cover, and a pinion gear journaled in said cover and normally meshing with said drive gear.

1,519,538. THREE-SPEED ROTARY DRAW WORKS. EDWIN W. GOESSER and WILLIAM D. DAVIDSON, Los Angeles, Calif., assignors to Union Tool Company, Torrance, Calif., a Corporation of California. Filed June 25, 1923. Serial No. 647,549. 2 Claims. (Cl. 254-187.)



1. In a rotary drawworks mechanism, the combination of a frame having end posts and an intermediate post, a drum-shaft, a drum carried thereby with one end disposed adjacent to the intermediate post, a drive shaft

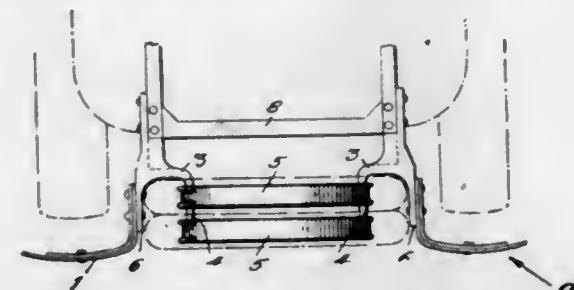
mounted on the frame parallel with the drum-shaft, a driving connection and its clutch located between one end of the drum and one of said end posts, another driving connection and its clutch for driving at another speed located between the intermediate post and the other end post, and a third speed driving connection including a driven sprocket on the drum-shaft between the intermediate post and the adjacent end of the drum and a drive sprocket aligned relative thereto on the drive shaft, and a clutch on the drive shaft for said drive sprocket.

1,519,539. DISPLAY BOX. GEORGE H. GREY, Winchester, Mass. Filed Aug. 8, 1922. Serial No. 580,415. 1 Claim. (Cl. 229-44.)



A box of the type specified comprising a body having a bottom with opposite sides and ends connected to one another and to said bottom and presenting an open top, a split cover for said body attached thereto, said cover comprising separate halves meeting along the median line of the body when the cover is closed, each half of the cover having a top with a side and opposite ends connected to one another and to said top and arranged whereby when said half is in a closed position its top will close one half of the open body of the box, its side will fit over one side of the body of the box, and its opposite ends will fit over one half of the opposite ends of the body of the box, and means for hinging said respective halves of the cover to the body of the box on opposite sides at the bottom thereof whereby each will turn along the bottom edge presented by its side.

1,519,540. REAR BUMPER FOR AUTOMOBILES. WILLIAM P. HAMMOND, Scarsdale, N. Y. Filed July 17, 1924. Serial No. 726,430. 13 Claims. (Cl. 293-55.)

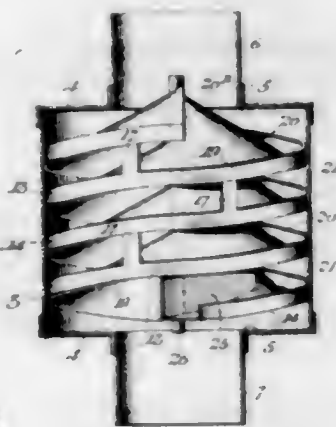


4. In combination with the rear end of an automobile, provided with fenders or mudguards, a bumper structure, a tire carrier supported from the rear of the automobile, said bumper structure having spaced flexible end portions extending outwardly from each side of said tire carrier, the impact portions of which are substantially in the same plane with the tire when mounted upon the carrier so that the tire and bumper members form a one plane impact receiving surface at the rear of the automobile.

1,519,541. AIR-CLEANING DEVICE FOR THE AIR-INLET APERTURES OF CARBURETORS OF AUTOMOTIVE VEHICLES. CHARLES E. JOHNSON, Denver, Colo. Filed Oct. 19, 1923. Serial No. 669,632. 1 Claim. (Cl. 183-79.)

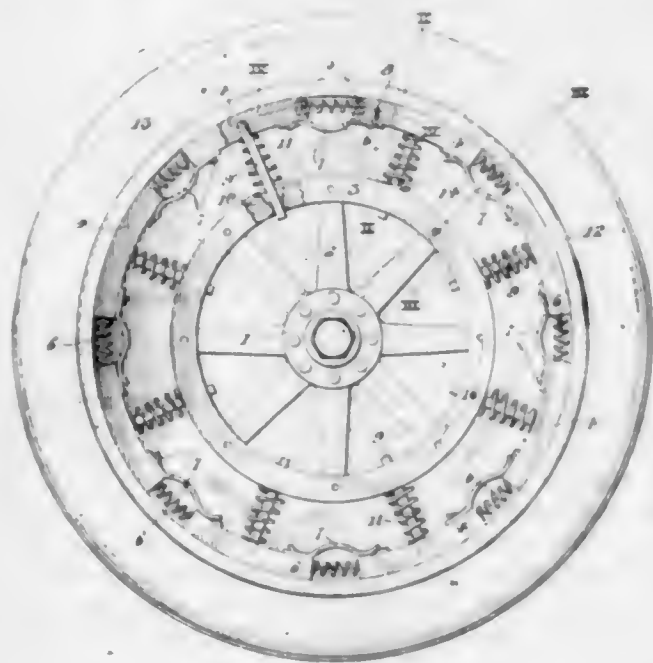
A dust cleaner of the character described, comprising a double helix, each having a marginal upturned flange, and upright tongues on said flange which serve to space

the convolutions of the two helixes, said helixes terminating at diametrically opposite points, a casing tightly surrounding said helixes and having outlet openings in line with the terminal ends of said helixes, said casing having an inlet opening to the atmosphere and an outlet adapted to be connected with the inlet of a carburetor, said helixes forming a double air passage through said casing, vertically disposed partitions in the discharge terminal portions of said passages which separate



the outlets leading to the atmosphere from the interior of the casing and are adapted to divide the air as it leaves the passages, so that part of said air is discharged into said casing and then drawn into the carburetor, the foreign matter in the air, being thrown outward by centrifugal force, is carried around the marginal portions of the helixes and discharged through the outlet openings in said casing leading to the atmosphere.

1,519,542. SPRING WHEEL. MIKE JUHASZ, Dover, Ohio, assignor of one-half to Lajos Kallio, Dover, Ohio. Filed Jan. 31, 1924. Serial No. 689,728. 2 Claims. (Cl. 152—38.)



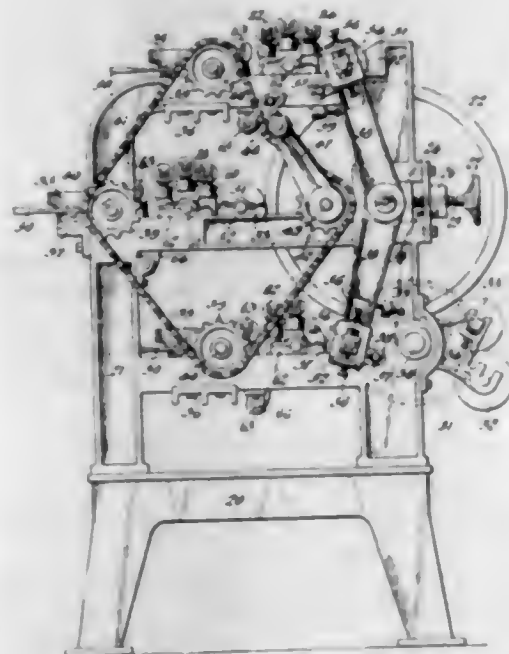
1. In a wheel of the type described, a rigid inner rim, a sectional outer rim formed of spaced blocks, coil springs interposed between the ends of the outer rim sections, flat springs connected to one rim section and freely engaging the other rim section and spring devices interposed between the inner rim and each section of the outer rim.

1,519,543. FOLDING TABLE. JOSEF KUBINYI, Canton, Ohio. Filed Mar. 29, 1923. Serial No. 628,486. 1 Claim. (Cl. 45—11.)



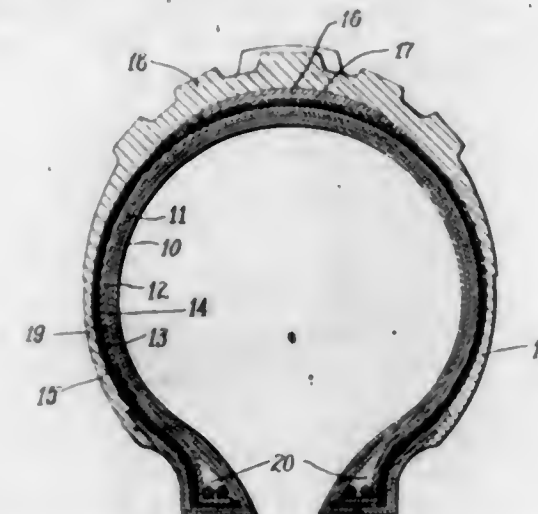
A folding table comprising a top, legs hinged to said top adjacent the ends, side boards hinged to the top to swing between the legs upon said legs being moved at right angles to the top, said legs having openings there-through and the side boards having sockets in their ends movable into and out of alignment with said openings, each of said leg openings being stepped in diameter to provide an inner pin guiding portion, an intermediate portion and an outer enlarged portion, each opening further having a socket screwed into its outer portion to close the outer end of the intermediate portion, a pin slidably guided in the socket and inner portion of the opening, and a spring in the intermediate portion urging the pin inwardly.

1,519,544. MULTICOLOR-PRINTING PRESS. GEORGE F. MCINDOE, Lockport, N. Y., assignor of one-half to Niagara Paper Mills, Lockport, N. Y., a Corporation of New York. Filed July 22, 1921. Serial No. 486,707. 3 Claims. (Cl. 101—178.)



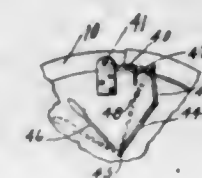
1. A multi-color printing press, comprising a frame, an impression cylinder supported on said frame, a driving shaft geared to said impression cylinder, a plurality of color units each including a pattern roll, a color-distributing roll and a color-supply roll, gearing on one side of the frame for driving the pattern and color distributing rolls, gearing on the opposite side of said frame for driving the color-supply rolls, both sets of gearing being driven from the impression cylinder, and clutch mechanism for said color-supply rolls for selectively disengaging them from said driving gearing.

1,519,545. METHOD OF MAKING TIRES. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 21, 1920. Serial No. 375,471. 6 Claims. (Cl. 154—14.)



2. The method of making tire casings comprising building up the carcass of plies of unvulcanized rubberized material with one or more partially vulcanized plies at the outside of the carcass, and completing the vulcanization of the casing.

1,519,546. TIRE-BUILDING APPARATUS. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 22, 1922. Serial No. 570,211. 1 Claim. (Cl. 154—10.)

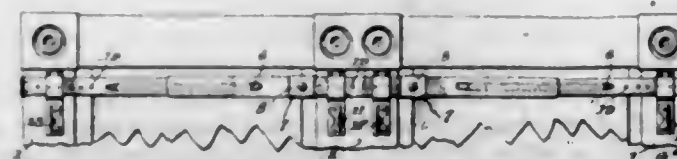


A device for use in shaping tire building material to an annular core, comprising a drum having a circumferential recess, an inflated bag supported in the recess and being of a width and depth sufficient to permit it when pressed against the core to extend down the sides thereof, and devices for holding on the surface of the bag a strip of tire building material for transfer to the core.

1,519,547. LUBRICATING RUBBER SURFACES. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1923. Serial No. 674,386. 5 Claims. (Cl. 18—47.)

2. A lubricant for preventing adhesion of rubber surfaces during vulcanization comprising liquid latex and mica.

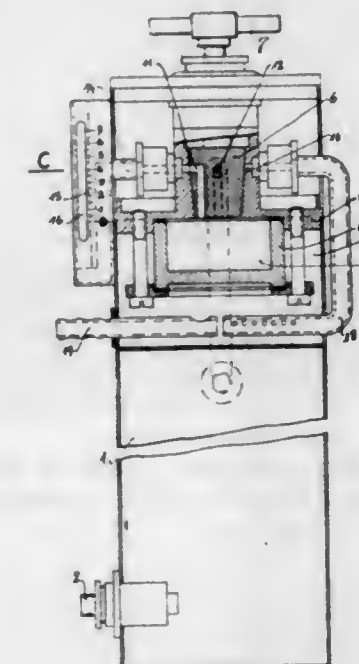
1,519,548. SHADE-BRACKET ROD. LONNIE M. MOORE, Hopkinsville, Ky. Filed Sept. 23, 1922. Serial No. 590,157. 4 Claims. (Cl. 156—23.)



1. A self aligning rod for double windows comprising a straight, substantially rigid central section, means for securing said section to the middle frame member of the window so that it is rigidly supported thereby, said sec-

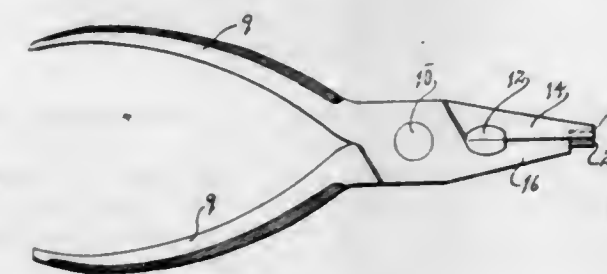
tion extending horizontally across such middle frame member and having its ends projecting partially over each window opening, a pair of substantially rigid end sections adjustably connected to and in alignment with the projecting ends of said central section to form therewith a continuous rod, lying in a single plane, means for securing the outer ends of the said end sections to the side edges of the side frame members of the window, the inner ends of said end sections being supported by said central section, a pair of shade brackets mounted on said central section adjacent the securing means, and an additional shade bracket carried by each of said end sections.

1,519,549. GAS-INDICATING DEVICE. WILLY NEL- LISSEN, Bielefeld, Germany. Filed Dec. 29, 1923. Serial No. 683,528. 5 Claims. (Cl. 73—56.)



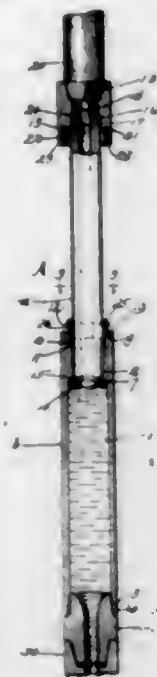
1. In a device for indicating gases, a diffusion cell, a pressure meter, a conduit connecting the diffusion cell and the pressure meter, a rinsing air chamber, and a closable conduit leading from the rinsing air chamber to the diffusion cell.

1,519,550. MEANS OF FORMING WIRE TERMINALS. CARL POZGAY, Jamaica, N. Y. Filed Feb. 14, 1924. Serial No. 602,623. 1 Claim. (Cl. 81—15.)



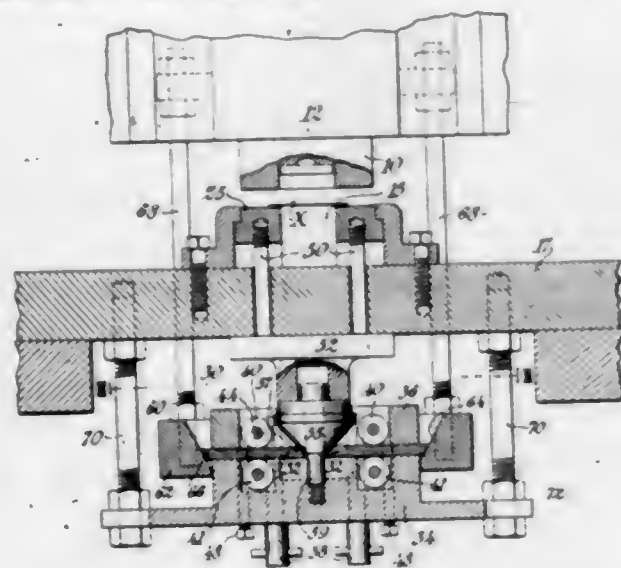
A wire bending tool comprising a pair of pliers having jaws pivotally connected and extending forwardly from the pivotal point, said jaws having substantially flat co-acting faces limiting their movement in one direction by closing on each other, a cylindrical pin extending from one of said jaws and having its longitudinal axis in the plane of said face of said jaw, and a cylindrical die carried by the other jaw and having its longitudinal axis in the plane of the last mentioned jaw, said axes coinciding upon the jaws being closed, said die having an internal radius greater than the external radius of the pin whereby space for wire is left between the pin and die upon the jaws being closed engage each other.

1,519,551. JAR. GEORGE B. PRIMMER, Artesia, Calif., assignor of one-half to George Sproule, Montebello, Calif. Filed Apr. 10, 1922. Serial No. 551,412. 10 Claims. (Cl. 255-27.)



4. Jar means for rotary tubing, including a cylinder and a jar bar adapted to reciprocate therein; means being provided for producing jar action upon down stroke of the jar bar, said latter means being disposed exteriorly of the jar bar and of the cylinder.

1,519,552. DRAWING PRESS. JOHN J. RIGBY, Brooklyn, N. Y. Filed June 26, 1923. Serial No. 647,808. 11 Claims. (Cl. 113-46.)



1. A drawing press comprising a yielding blank-holder, a reciprocatory tool adapted to grip the margin of a blank between said blank-holder and tool for drawing the blank, and friction means for resisting the movement of said blank-holder said friction means comprising members having frictional sliding engagement.

1,519,553. VENTILATOR. ANDREW L. RIKER, Fairfield, Conn. Filed Mar. 21, 1922. Serial No. 545,429. 22 Claims. (Cl. 189-62.)



1. As an article of manufacture, a device comprising a rectangular frame consisting of joined metallic channel pieces, each channel piece having its marginal portions

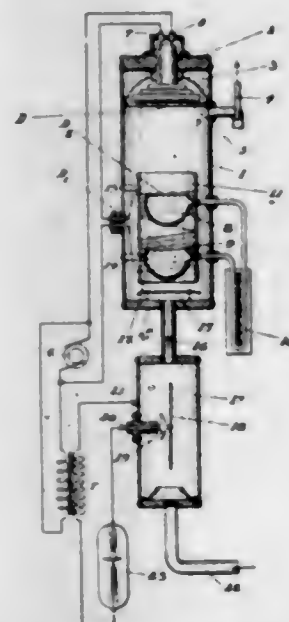
extending inwardly beyond the body of the frame, and louvers having integral ears mounted in certain of said channel pieces and between the marginal portions thereof.

1,519,554. ROLL-CHART HOLDER. SYLVAN ROSENTHAL, MORRIS SUBBER, and HARRY A. ROSENTHAL, Philadelphia, Pa. Filed July 27, 1922. Serial No. 577,846. 3 Claims. (Cl. 35-9.)



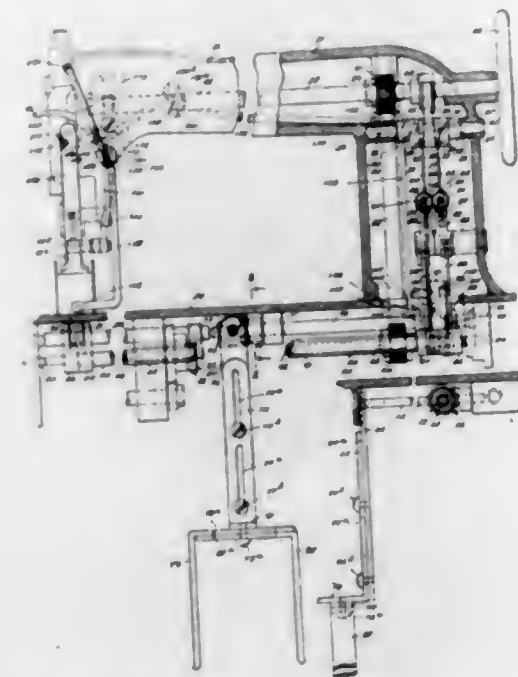
1. In a device of the character stated, a pair of uprights, a forwardly projecting arm carried by each upright, upper and lower rolls rotatably mounted in said arms, a roll chart carried by said rolls, a finger piece for each of said rolls for actuating said chart in either direction, a horizontal bar connecting said uprights and arranged in proximity to said arms, and keepers connected to said uprights above said bar and adapted to retain a card in vertical position upon said horizontal bar.

1,519,555. METHOD AND APPARATUS FOR GAS DETERMINATIONS. SAMUEL RUBEN, New York, N. Y. Filed Feb. 20, 1924. Serial No. 694,075. 5 Claims. (Cl. 23-3.)



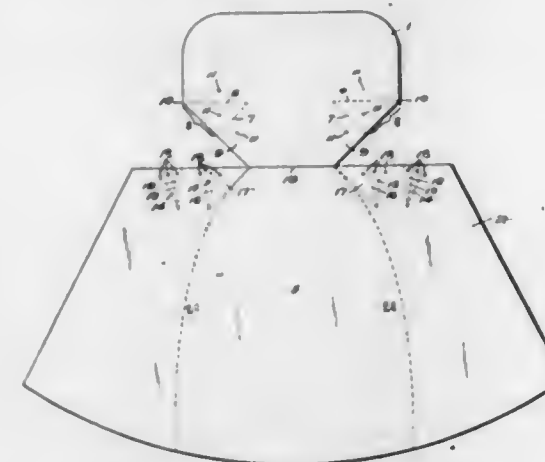
1. A method of determining the concentration of a gas in a gaseous mixture by discharging said mixture between an infra red ray generator and a radiation absorptive gas-containing body in the path of said radiations within an enclosed space, said body being connected by suitable means with a pressure controlled indicating device.

1,519,556. FEEDING MECHANISM FOR SEWING MACHINES. RALPH M. SHARAF, Boston, Mass., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1917. Serial No. 159,057. Renewed Apr. 26, 1924. 35 Claims. (Cl. 112-209.)



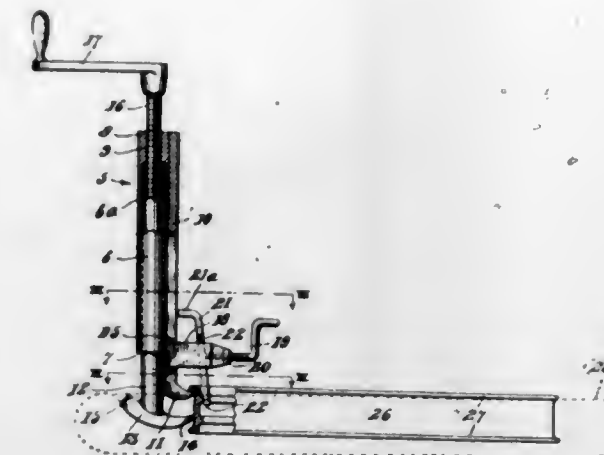
1. A feeding mechanism for sewing machines, comprising two separate means for feeding material, and unitary mechanism adapted to control both feeding means to increase the speed of one of them while at the same time decreasing the speed of the other feeding means.

1,519,557. WATERPROOF GARMENT. JOSEPH F. SHARROCK, Salem, Mass. Filed May 23, 1923. Serial No. 640,889. 1 Claim. (Cl. 2-24.)



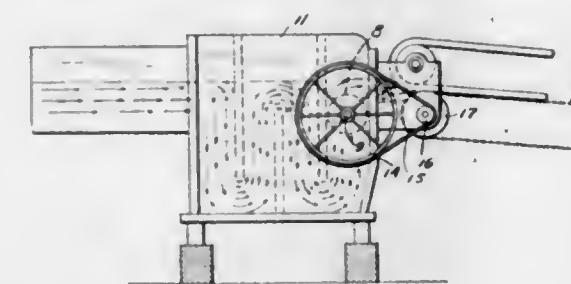
A one-piece substantially keystone-shaped waterproof garment blank with a V-shaped slot in each side wall of the blank forming the neck 10, cape section 5 and hood section 1 and having the holes 11, in the hood section and the holes 18 in the cape section, constructed and arranged to be folded along the lines 6, 7, of the hood section, the triangular section 8 being folded downwardly and inwardly against the pointed section 9 and secured thereto through the holes 11, and the cape section to be folded forwardly and outwardly along the lines 13, the triangular sections 12 so formed to be folded against the sections 14 and these folded sections to be folded forwardly against the cape section 5; the sections 15 to be folded rearwardly and outwardly along the lines 16 and the section so formed laid against the section 17 and these folded sections folded rearwardly and inwardly against the cape section 5, the folded sections secured to each other through the holes 18.

1,519,558. TIRE-REMOVING TOOL. CLINT B. SNIDER, Independence, Kans. Filed Jan. 31, 1924. Serial No. 689,719. 2 Claims. (Cl. 157-6.)



1. In a tire removing tool, a frame consisting of a barrel portion having a bore extending the majority of the length of the same and being open at one end, and having a reduced internally threaded bore at the opposite end, a bar secured to the outer surface of said barrel extending longitudinally thereof and projecting beyond the open end of said barrel, said projecting end being formed into a hook, a rod slidably positioned within the larger bore of said barrel, an enlarged arcuate-shaped foot carried by the projecting end of said rod, a feeding screw carried by the reduced internally threaded bore of said barrel adapted to engage the inner end of said rod for forcing the latter outwardly of said barrel, a yoke-shaped strap rigidly secured to and projecting laterally from said bar in proximity to the open end of said barrel, an angular clamping plate longitudinally and laterally adjustably carried by said yoke-shaped strap, and means carried by said strap for forcibly moving said clamping plate laterally toward said hook-shaped end of the bar.

1,519,559. SELF-CLEARING SILENCER FOR PAPER-MAKING MACHINES. WILLIAM E. STEWART, South Glens Falls, N. Y., assignor of one-half to Theodore Stoughton, South Glens Falls, N. Y. Filed Nov. 18, 1920. Serial No. 424,806. 3 Claims. (Cl. 92-44.)

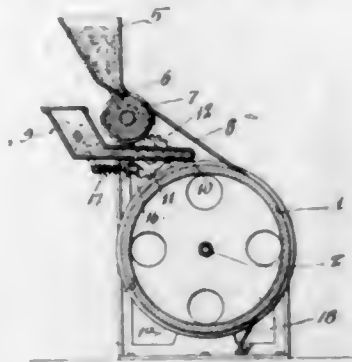


1. In combination with a header box having a delivery opening and a baffle plate adjacent thereto for forming a vertical narrow channel leading to said delivery opening; a perforated cylinder rotatively mounted in said channel, said cylinder extending fully across said channel.

1,519,560. PAVING COMPOSITION. CHARLES SWAN, San Francisco, Calif. Filed Aug. 8, 1924. Serial No. 730,907. 5 Claims. (Cl. 106-31.)

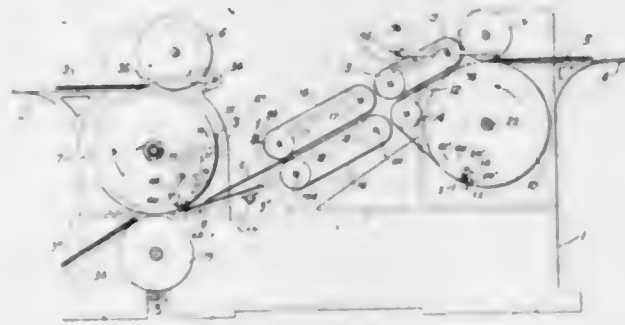
1. A binder mixture for pavements and the like consisting of a solid bituminous product, diatomaceous earth and petroleum oil.

1,519,561. METHOD AND APPARATUS FOR DRYING A SUBSTANCE CARRIED IN A LIQUID. RUDOLPH SUCHARIPA, Prague, Czechoslovakia. Filed June 28, 1923. Serial No. 648,345. 8 Claims. (Cl. 159-49.)



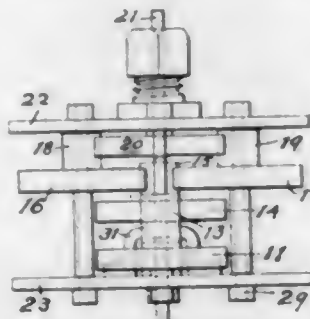
1. The method of drying a substance carried in a liquid which consists in applying a powdered substance to a surface, then applying the liquid to the surface over the powdered substance, effecting the drying of the substance and removing the same from the surface.

1,519,562. NEWSPAPER-ASSEMBLING METHOD AND MECHANISM. LOUIS TEAL, Lansdowne, Pa.; The Media Title & Trust Company administrators of the estate of the said Louis Teal, deceased. Filed Aug. 5, 1921, Serial No. 490,016. Renewed Oct. 3, 1924. 10 Claims. (Cl. 270-57.)



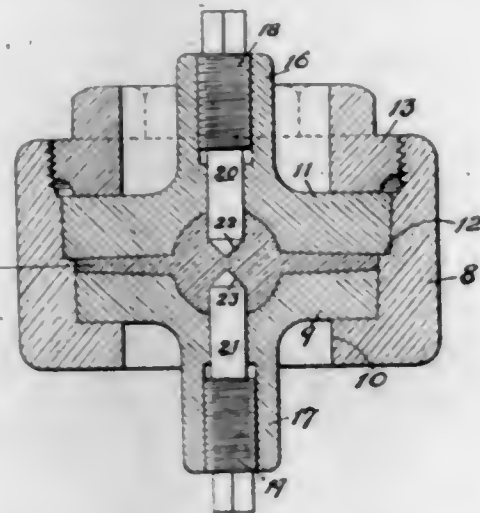
1. The method of inserting sheets between the folds of sheets; which consists in holding and revolving said sheets second named downwardly so that an outer fold thereof is deflected from the inner fold, and projecting the sheets first named between the separated folds.

1,519,563. WATER-METER COMPOUND REDUCING GEAR TRAIN. JOHN THOMSON, Brooklyn, N. Y. Filed Feb. 23, 1923. Serial No. 620,694. 7 Claims. (Cl. 74-7.)



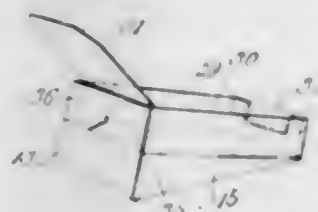
1. In water meters, a compound reducing gear train comprising a central driving pinion, a pair of laterally disposed gears meshing therewith, pinions rigid with said gears, a fixed bridge extending over said driving pinion, a central gear and its pinion journaled on said bridge, said central gear meshing with said pinions, a pair of laterally disposed gears meshing with the pinion of said central gear, pinions rigid with said last mentioned pair of gears, a stuffing box spindle and a gear rigid therewith meshing with said last mentioned pinions.

1,519,564. PROCESS OF REMOLDING HARD-RUBBER WATER-METER DISKS TO PRECISE DIMENSIONS. JOHN THOMSON, Brooklyn, N. Y. Filed Apr. 16, 1923. Serial No. 632,479. 7 Claims. (Cl. 18-55.)



1. The process of remolding a hard rubber disk to precise dimensions which consists in pre-forming it to lesser than the required finished dimensions; inserting it in a separable molding die and clamping said die together; heating them to a temperature at which hard rubber becomes plastic and flowable; pressing a plunger, or plungers, into the mastic, thereby causing the displaced mastic to completely fill the die-cavity, and then cooling the disk in place.

1,519,565. TWO-PART COLLAPSIBLE DISPLAY BOX. ROTHCHILD F. THORNDIKE, Boston, Mass., assignor to Walker Lithograph and Publishing Co., Boston, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1922. Serial No. 529,886. 6 Claims. (Cl. 206-44.)

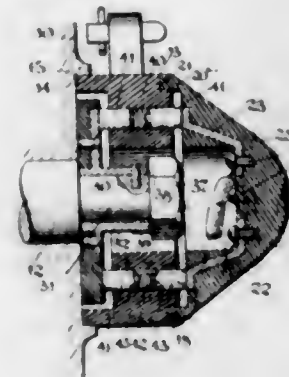


2. A two-part collapsible display box having, in combination, a body portion and a cover therefor, said cover comprising a flat top portion adapted to cover the top of said body portion, one end portion thereof being at right angles to said flat top portion and adapted to cover one end of said body portion, wedge-shaped side portions substantially at right angles to said flat top portion and extending from said end thereof and an extension at the other end of said flat top portion having a pair of flexible joints extending thereacross whereby said extension may be folded downwardly to cover the other end of said body portion and extended forwardly along the bottom of said body portion, said extension being slidably mounted on the bottom of said body portion whereby the same may be moved to lie throughout its length against the bottom of said body portion and the flat top portion folded backwardly along one of said flexible joints beneath and against said extension, and said body portion positioned at an angle by said wedge-shaped portions.

1,519,566. IGNITION TIMER. ANDREW WILLIAM TIRFENTHALER, Anaconda, Mont. Filed Apr. 5, 1923. Serial No. 630,129. 3 Claims. (Cl. 200-24.)

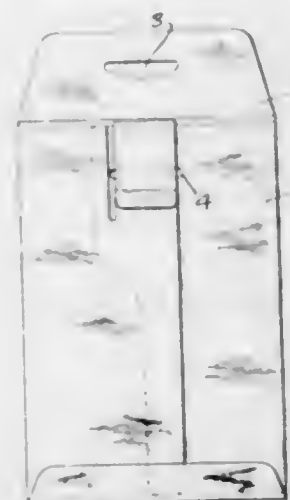
2. A timer comprising a circular body member having an inner and outer face or ends, a cap of insulating material arranged adjacent the outer end of said body member and having an inner flat face, a plurality of

electrodes arcuate in shape and imbedded upon the inner face of said cap, said electrodes being arranged in circular formation and each electrode being provided with an extension for connecting a terminal wire therewith, a rotatable disk arranged adjacent the inner end of said body member, said disk being of insulating material and carrying a contact member concentric with the electrodes of the cap, a plurality of openings in the body member arranged in circular formation and registering with the electrodes of said cap, a pair of brushes slid-



able within each opening of said body member, a compression spring interposed between each pair of brushes whereby the same will be forced against the face of said cap and disk and thereby to cause an electrical connection to be successively established between each electrode and the contact carried by said disk with the rotation of the disk, and means whereby the body member may be rotated whereby to change the moment when contact is established between each electrode and contact carried by said disk.

1,519,567. ENVELOPE. HENRY TRENCHARD, JR., Brooklyn, N. Y. Filed Dec. 8, 1921. Serial No. 520,819. Renewed Oct. 30, 1924. 5 Claims. (Cl. 229-84.)

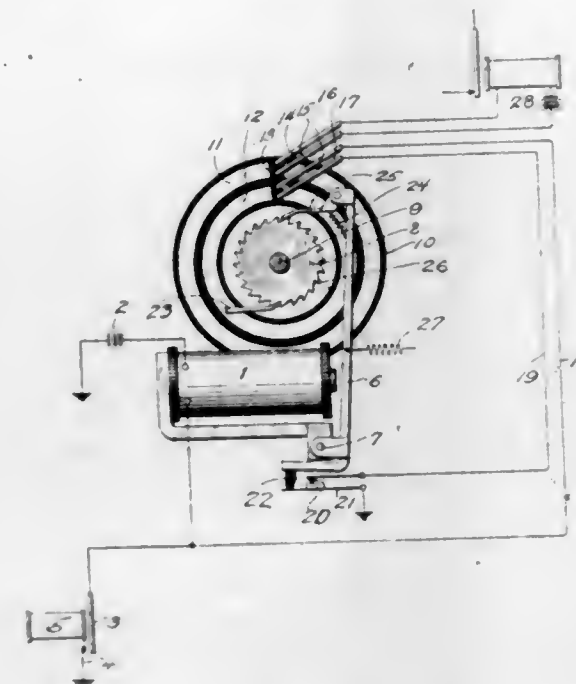


1. An envelope comprising a body, a closure flap, and a flap locking tongue fixed to said body and extending longitudinally of the envelope, said flap locking tongue being folded on itself to provide a double thickness of material, the position of the fold thereof substantially coinciding with the position of the fold of the closure flap.

1,519,568. SLOW-ACTING RELAY. TUDOR VAN AMSTEL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,769. 4 Claims. (Cl. 175-320.)

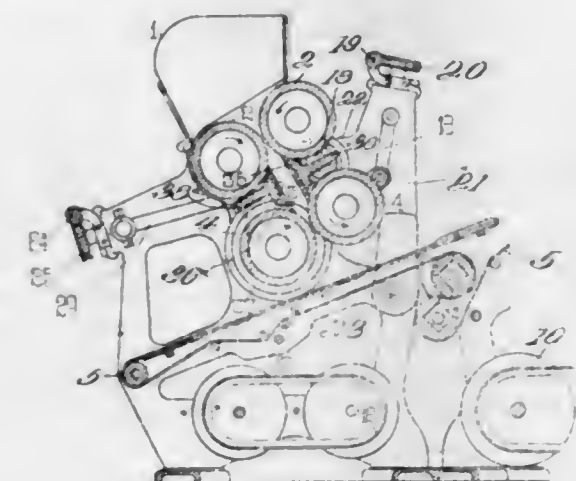
1. A slow acting relay comprising a coil, an energizing circuit therefor, an armature operated by said coil, a ratchet wheel rotated step-by-step by said armature, a commutator driven by said ratchet wheel, a local circuit

for said coil closed by the first step of said commutator, contacts in said local circuit operated by said armature whereby the armature after the first step is vibrated



and rotates said commutator step-by-step, means carried by said commutator for closing a work circuit and retaining it closed for any predetermined part of the rotation of said commutator.

1,519,569. MACHINE FOR MOLDING PLASTIC SUBSTANCES. THOMAS VICARS, Earlestown, England. Filed Dec. 12, 1923. Serial No. 680,209. 5 Claims. (Cl. 107-12.)

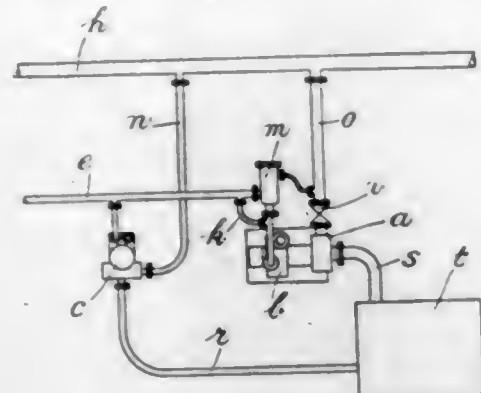


1. A dough molding machine comprising in combination two pairs of rolls and means to adjust the distance between one pair taken as a unit relatively to the other pair taken as a unit and means to adjust the individual distances of the rolls relatively to one another.

1,519,570. HYDRAULIC INSTALLATION. JAMES GEORGE WEIR, Cathcart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Filed Feb. 2, 1924. Serial No. 690,238. 4 Claims. (Cl. 103-11.)

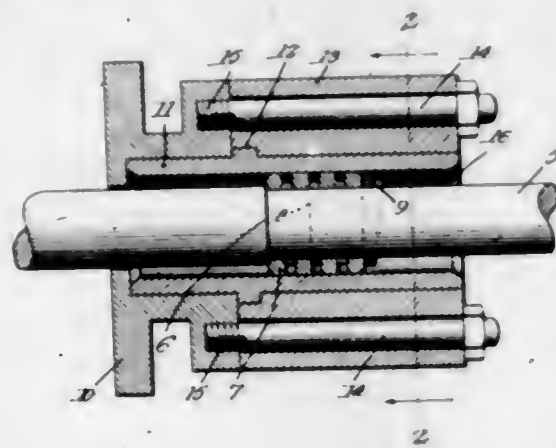
1. The combination with a main hydraulic service pipe of a main pump of the centrifugal type capable of maintaining the required working pressure in the said pipe under full demands for fluid, an auxiliary pump which is relatively small compared with the said main pump and which is capable of maintaining the required working pressure in the said pipe against small leakages

and small demands for fluid, a governor controlled by the pressure in the said pipe, means whereby the said governor controls the said main pump according to the



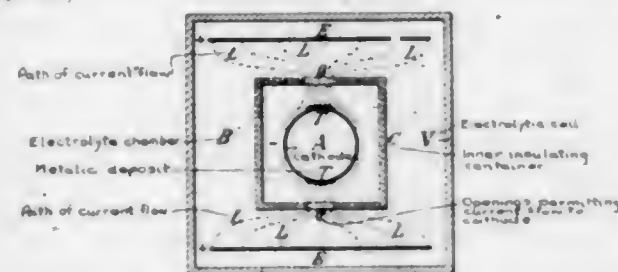
pressure in the said pipe, together with means, out of the control of said governor, whereby the main pump is run at a low speed when only small demands are being made on the said pipe.

1,519,571. VALVE-STEM PACKING. THOMAS WILSON, Minden, La., assignor to The Minden Valve Stem Packing Company, Inc., Minden, La. Filed May 23, 1924. Serial No. 715,411. 1 Claim. (Cl. 74-109.)



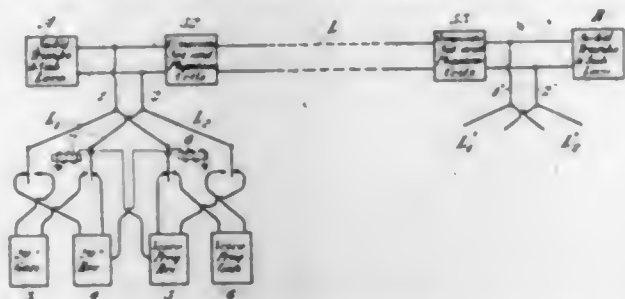
In a device of the character described, a stuffing box, a sleeve in the stuffing box, a removable member for engaging the sleeve to hold the sleeve in position, a valve stem operating through the sleeve, packing rings on the valve stem, said valve stem having a shoulder to be engaged by the packing rings to restrict movement of the packing rings with respect to the valve stem, and a key extending through the valve stem for moving the packing rings into engagement with the shoulder.

1,519,572. ELECTROPLATING. ALBERT WOLF, Gelsingen-Steige, Germany, assignor to Württembergische Metallwarenfabrik, Gelsingen-Steige, Germany. Filed July 13, 1923. Serial No. 651,295. 4 Claims. (Cl. 204-1.)



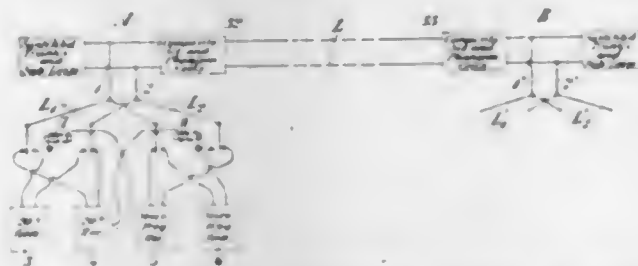
1. The method of depositing by electrolysis in a single operation a metal layer of non-uniform thickness on a predetermined part of an object immersed in the electrolyte, consisting in preventing the current lines passing from the anode to the cathode to act upon any but the predetermined parts of the object.

1,519,573. VOICE-FREQUENCY SIGNALING. ALVA B. CLARK, Brooklyn, and DANFORTH K. GANNETT and HARRY NYQUIST, Elmhurst, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 17, 1921. Serial No. 515,881. Renewed Apr. 30, 1924. 10 Claims. (Cl. 179-43.)



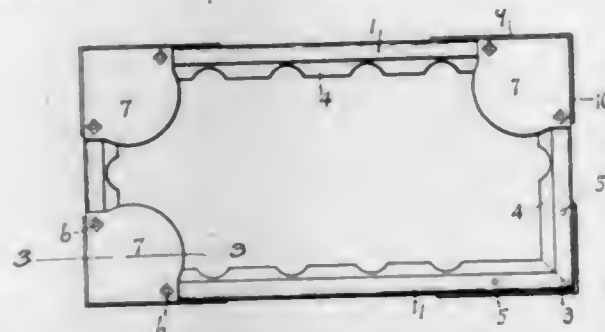
10. A transmission line over which signaling currents are transmitted, said signaling currents being of a relatively high frequency and being interrupted in a periodic manner according to a predetermined relatively low frequency, and receiving means associated with said line, said receiving means comprising a circuit tuned to be exclusively responsive to said signaling currents, a slow operating relay controlled by said circuit, and signaling means controlled by said relay.

1,519,574. METHOD OF TESTING TRANSMISSION LINES. ALVA B. CLARK, Brooklyn, and WILLIAM H. MARTIN, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed May 13, 1922. Serial No. 560,634. 5 Claims. (Cl. 179-175.)



1. In a telephone transmission system in which the currents utilized for signaling purposes lie within the central portion of the voice frequency range, the method of testing the transmission efficiency of the line for talking purposes which consists in adjusting the signal receiving apparatus so that it will operate only when the transmission equivalent of the line is within certain limits.

1,519,575. FRAME FOR HOLDING AUTOMOBILE TAGS AND SIMILAR ARTICLES. TREVALYN DAVIS, Cincinnati, Ohio. Filed Oct. 2, 1922. Serial No. 591,810. 1 Claim. (Cl. 40-155.)



A frame for holding metal license plates and the like including top and bottom and end bars, each of said bars consisting of a piece of strip metal folded longitudinally on itself to provide two portions, the edge of one of said portions terminating inwardly of the edge of the other portion in order to provide a ledge adapted to en-

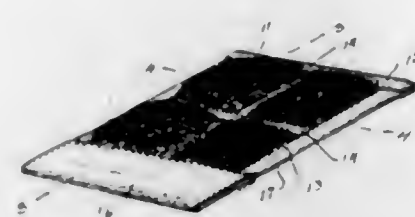
gage the edge of a license tag, front corner plates arranged at the meeting ends of said bars and each provided with an angular flange, rear corner plates projecting toward one another into the frame for the purpose of engaging the rear surface of a license tag, said rear corner plates engaging the flanges of the front corner plates, and means for securing the front corner plates, bars and rear corner plates together.

1,519,576. FOLDING METALLIC CLOTHESLINE PROP. DANIEL E. DORE, Lebanon, Pa. Filed Sept. 7, 1923. Serial No. 661,404. 2 Claims. (Cl. 68-12.)



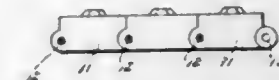
1. A clothes prop comprising a plurality of channel iron sections the lower ends of the upper sections being provided with inclined slots in their sidewalls which slots terminate in enlarged portions at their lower ends and the adjacent portions of the related sections carrying pins which traverse said slots, the inclination of said slots being such that when the sections are moved toward each other they are forced into wedging engagement with each other.

1,519,577. CLEANING AND ABRADING DEVICE. HENRY P. EASTON, Jr., Denver, Colo. Filed Mar. 15, 1924. Serial No. 690,484. 2 Claims. (Cl. 15-209.)



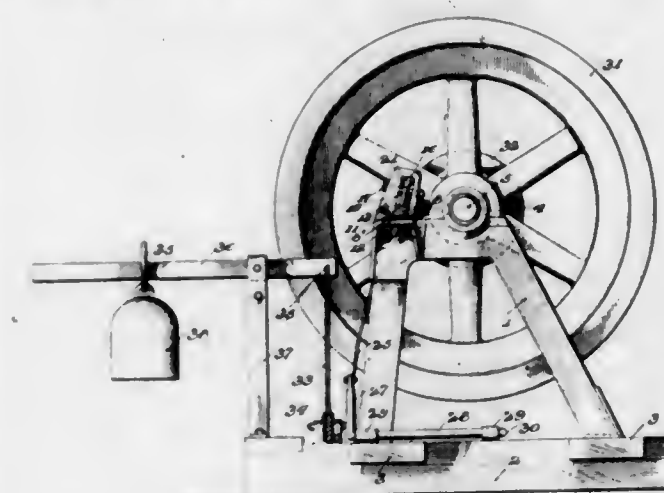
1. A scouring pad of the character described comprising a back of textile fabric flexible in all directions, a mass of metallic wool applied to the back and stitched thereto at a plurality of points, one end of the back being extended to form a handle, and flexible strips extending longitudinally and transversely over the face of the metallic wool and stitches extending through the flexible strips and metallic wool and holding the flexible strips to the back, the ends of the strips being stitched to the back.

1,519,578. FLEXIBLE BRACELET. JOHN FIELDING, Providence, and JOSEPH P. WHITAKER, Apponaug, R. I. Filed Nov. 7, 1923. Serial No. 673,291. 5 Claims. (Cl. 59-80.)



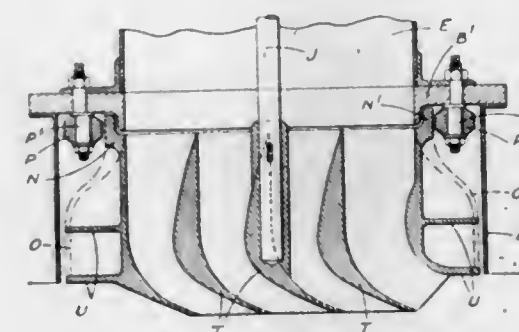
1. A flexible chain comprising a plurality of links, each having side walls with pivotal openings, and a T-shaped end wall with its cross-bar extending into the openings in the side walls of the next adjacent link to pivotally connect the links together.

1,519,579. HEMP-STRIPPING MACHINE. PATRICK HENRY FRANK and WILLIAM HENRY GOHN, Manila, P. I. Filed Mar. 20, 1923. Serial No. 626,329. 3 Claims. (Cl. 19-17.)



2. In a hemp stripping machine, a stripping head having a horizontal table portion, a rest supported upon said table portion, a stripping knife supported upon the table for movement into and out of position to cooperate with the rest to strip hemp leaves drawn between the knife and the rest, and power driven means adapted to be engaged with said hemp leaves and to pull the latter between the knife and rest, said power driven means including a rotating spindle, said spindle being free at one end and tapering regularly toward its free end.

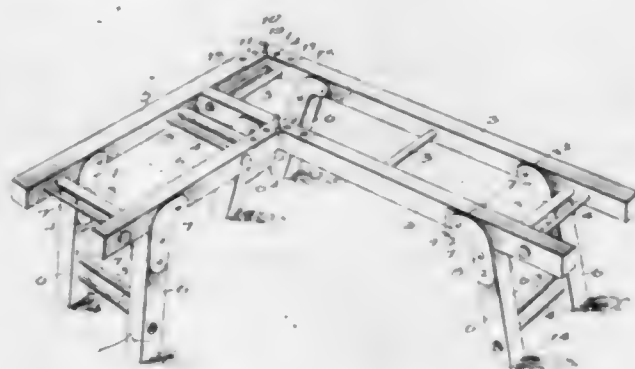
1,519,580. MANEUVERING OR STEERING OF SHIPS AND OTHER VESSELS. JAMES HERBERT WAINWRIGHT GILL, Heacham, England, assignor to Gill Propeller Company Limited, Kings Lynn, Norfolk, England, a Registered Company of England. Filed Nov. 12, 1923. Serial No. 674,327. 17 Claims. (Cl. 115-14.)



1. In apparatus for the propulsion, steering or maneuvering of ships and other vessels by the reaction effect of water jets, the combination of a pump, a discharge passage therefrom having an outlet end opening

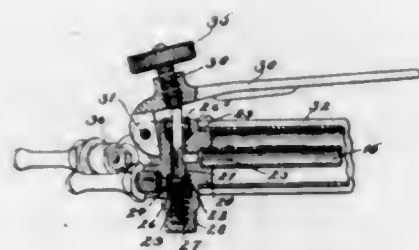
through the wall of the vessel, a valve rotatably disposed in the enlarged end of the discharge passage and having a curved outlet passage adapted to deflect the discharge stream into an approximately horizontal direction, and means for rotating the valve, the body of the valve having a cross-section which varies from circular form at the inlet end to an approximately rectangular form at the outlet end.

1,519,581. WASHBENCH. MELVIN A. GORDEN, Braintree, Minn. Filed Apr. 11, 1923. Serial No. 631,409. 1 Claim. (Cl. 68—35.)



A device of the character described comprising two elongated sections, each of which includes a pair of spaced apart parallel frame members of different lengths, the frame members of each section being relatively arranged to terminate at one end of the section out of transverse alignment with each other, a pair of hinges respectively adapted to hinge the shorter member of each section to the shorter member of the other section and the longer member of each section to the longer member of the other section so that said sections may be disposed in the same plane and at right angles to each other or swung to position in which one section is disposed flatwise upon the other section, respective members of the two sections being of such lengths that the respective members of one of the sections will be in abutting relation at their inner ends to the corresponding members of the second section and the shorter member of the second section will be in abutting relation at its inner end to the longer member of the first section when the sections are disposed in the same plane and at right angles to each other, and legs pivotally attached to the frame members for supporting said sections in the same horizontal plane when the legs are extended, said legs being foldable against said sections.

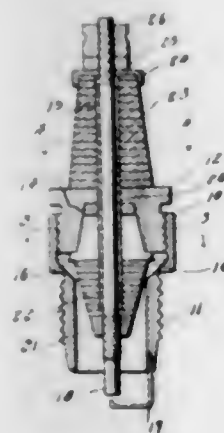
1,519,582. BLOW PIPE OR TORCH. JOHN HARRIS, Lakewood, Ohio. Filed Mar. 27, 1920. Serial No. 369,428. 3 Claims. (Cl. 158—27.4.)



3. In a cutting torch, the combination, with a head having a central passageway for cutting oxygen and a passageway for preheating gases surrounding the central passageway, a valve casing having a combustible and a cutting gas connection leading thereto, combustible and cutting gas pipes leading from the valve casing and com-

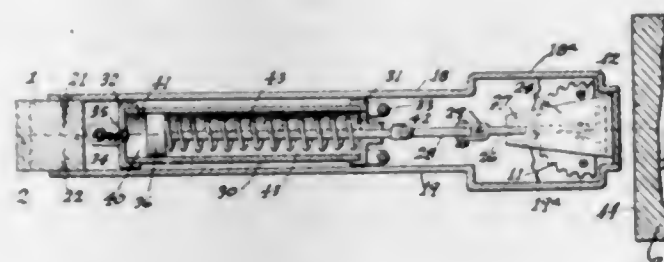
municating respectively with the said passageways, a spring pressed valve arranged in the casing and having a stem projecting therefrom, a hand lever pivoted to the casing and an adjustable screw carried thereby and adapted to engage the projecting end of the valve stem whereby said valve can be partially opened, the movement of the lever serving to completely open said valve.

1,519,583. SPARK PLUG. CLAYTON E. HUNT, Charlotte, Mich. Filed Feb. 12, 1923. Serial No. 618,560. 2 Claims. (Cl. 123—169.)



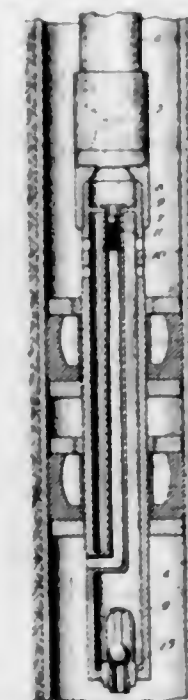
1. A spark plug having a shell provided with an electrode, a nut threaded to said shell having its bore provided with an enlargement, an electrode to coact with said electrode passing through said bore, insulation wrapped about the second mentioned electrode and extending through the bore, and a bushing located in said enlargement surrounding and compressing said insulation against the second mentioned electrode.

1,519,584. DOUBLE-ACTING DOORCHECK. HERMAN C. KREIPKE, Los Angeles, Calif. Filed Apr. 17, 1924. Serial No. 707,127. 2 Claims. (Cl. 16—69.)



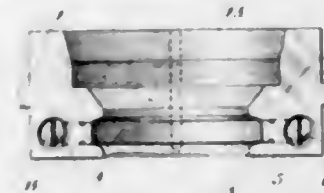
1. The combination with a door frame and a door mounted in the frame and adapted to swing wide open in either or both directions, of a double acting door check comprising a dash pot cylinder adapted to be mounted on a door, a dash pot piston in the cylinder, a spring pressing the dash pot piston against the pressure in the cylinder, a stem for operating the dash pot piston, a crank connected to the stem, a spur gear upon the crank, and a segment of spur gear adapted to be fixed to the door frame concentric to the axis upon which the door swings and meshing with the spur gear upon the crank, the crank, the stem, the piston rod and the door being all in a straight line at right angles to the face of the door frame when the door is closed and the tension of the spring being exerted to hold the door closed and when the door is swung wide open either way the tension of the spring pulling upon the crank will hold the door wide open.

1,519,585. DEWATERING TOOL. CLINTON A. LANGSTAFF, Taft, Calif. Filed May 29, 1924. Serial No. 716,761. 4 Claims. (Cl. 166—19.)



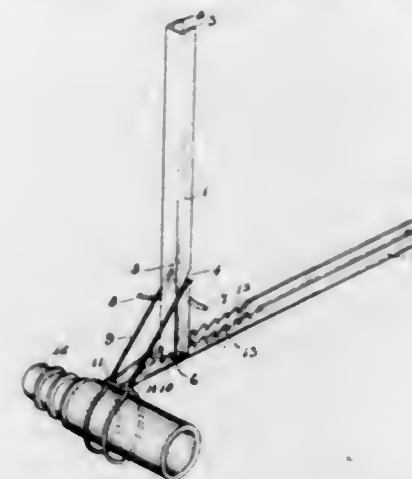
4. In a de-watering tool, a body having packing adapted to engage a well casing, means for lifting the body and packing, and means for maintaining a downflowing air passage through the body.

1,519,586. VENTING MOLD. ALPHONZO LLOYD, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed June 2, 1922. Serial No. 565,373. 12 Claims. (Cl. 49—65.)



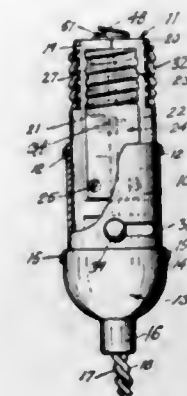
6. A mold for glass articles, said mold provided with an annular channel, a ring mounted in said channel, the outer periphery of said ring being beveled whereby an annular passage is provided between the mold and the periphery of the ring, air exhausting means communicating with said passage, and said passage communicating with the interior of the mold.

1,519,587. DEVICE FOR ATTACHING, TIGHTENING, AND CLAMPING WIRE HOSE BANDS. FRANK L. LODWICK, Newport, Ky. Filed July 30, 1923. Serial No. 654,521. 10 Claims. (Cl. 81—9.3.)



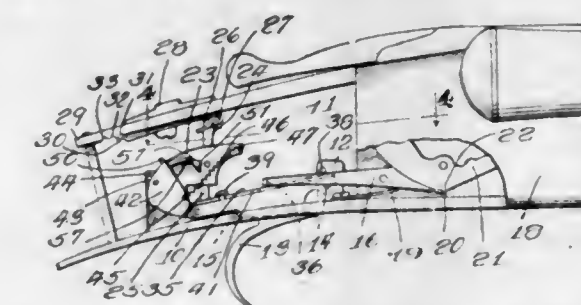
1. In a device of the character described, a member and a lever handle, ratchet teeth formed on said member, and means for connecting a band or wire to said lever handle, substantially as and for the purposes set forth.

1,519,588. EXPANSION PLUG FOR ELECTRIC CONNECTIONS. LOLLIE McCracken, Santa Ana, Calif. Filed July 13, 1920. Serial No. 395,911. 3 Claims. (Cl. 173—360.)



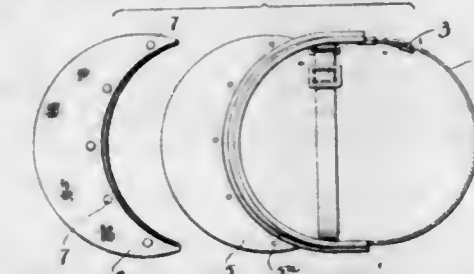
1. An expansion plug for electric connections comprising a core of non-conductive material formed in two pieces, each piece having a flat face on one side, screw threaded engaging means on the upper end of the core, extending around its arcuate side to engage the inner screw threads of a socket, a plate secured to and normally resting against and uniting the flat faces of the plug and adapted to be sprung outwardly at its top, and having a corrugated portion at its top corresponding with the said screw threads on the core, a rod revolvably mounted on the core back of said plate, having an arm on its upper end normally resting in a recess in the core and adapted to be swung outwardly and engage the rear face of the plate to spring it outwardly to and wedge the said screw threads into engagement with the inner screw threads of a socket, a contact plate on the top of the core, electrical conductors connecting with the said screw threaded portion and said contact plate and a casing for the lower end of the core.

1,519,589. SINGLE-TRIGGER FIRE MECHANISM FOR DOUBLE-BARREL GUNS. ELMER E. MILLER, Millersburg, Pa. Filed May 5, 1923. Serial No. 636,854. 11 Claims. (Cl. 42—42.)



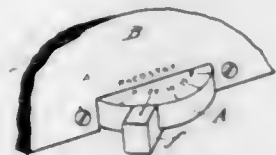
1. In a double barrel gun provided with a single trigger mechanism comprising a trigger having continuing primary and secondary movements by means of which the hammers of the barrels are successively operated, a fixed stop carried by the breech mechanism, and an oscillatory recoil cam carried by the trigger and coacting with the stop to control the trigger in said movements.

1,519,590. CONVERTIBLE VISOR. ARTHUR B. MULL, Los Angeles, Calif. Filed Feb. 15, 1923. Serial No. 619,079. 3 Claims. (Cl. 2—10.)



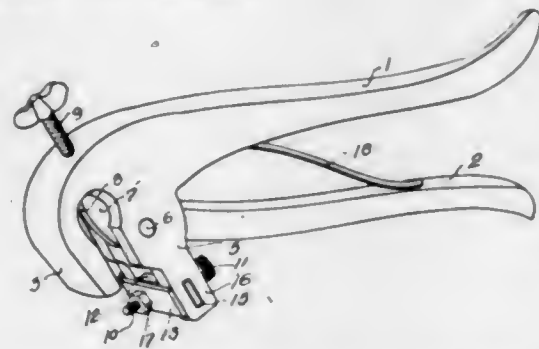
3. A head-gear, comprising a band, a translucent visor and an envelope open at one end, of a shape to cover the visor when the latter is inserted therein, and fastening means for removably securing the open ends of the envelope together.

1,519,591. RHEOSTAT. HAROLD DE VEAU PERRY, Cincinnati, Ohio, assignor, by mesne assignments, to Skylark Radio Corporation, a Corporation of Delaware. Filed Nov. 1, 1922. Serial No. 598,333. 6 Claims. (Cl. 201—55.)



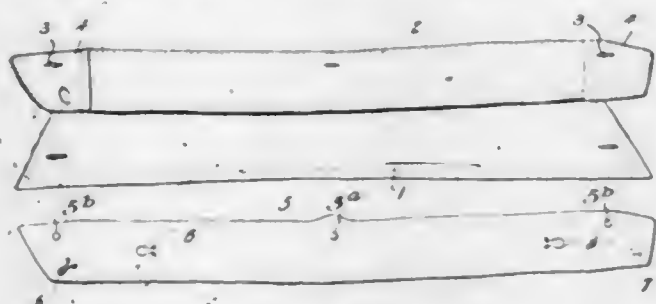
1. A rheostat comprising an insulating base with a resistance element on one section of the periphery only and an opposite arc of said periphery thru which the handle portion of a contact lever may be rotated, a contact lever pivoted at or near its middle and having a contact point on the resistance end and an insulated handle on the other end and means for making electrical connection to the contact lever and to the resistance.

1,519,592. SAW SET. EMIL ROSSENUS PETERSON, St. Maries, Idaho. Filed Nov. 6, 1923. Serial No. 673,090. 1 Claim. (Cl. 76—64.)



In a tool of the pliers type for setting saw teeth the combination with a stationary member having spaced slotted jaws, of a U-shaped yoke having one arm seated in said slotted jaws, a stationary nut embraced by said arms and located between said jaws, a gage screw passing through said arms and threaded in the nut, and a lock nut on the screw exterior of said yoke.

1,519,593. SOFT COLLAR AND STIFFENER. GUSTAV H. SCHMIDT, Bydgoszcz, Poland. Filed Dec. 8, 1923. Serial No. 679,401. 1 Claim. (Cl. 2—132.)

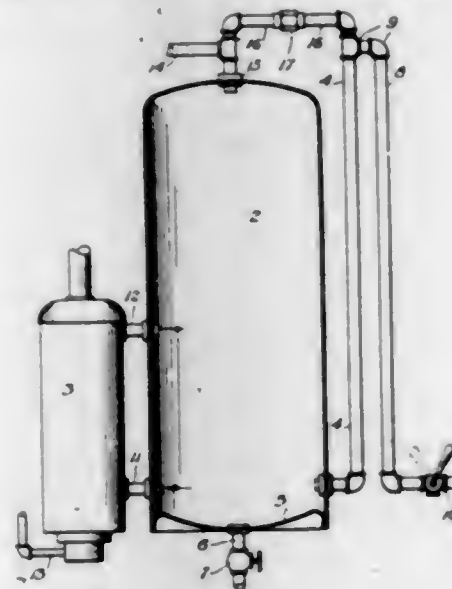


A folding or turndown soft collar having pockets at opposite ends of the neckband, a stiffener insertable between the folds of the collar and having its ends inserted in the said pockets, and complementary fastening means applied to corresponding ends of the stiffener and to a necktie to retain the latter in place.

1,519,594. WATER-HEATING APPARATUS. GUY E. SHOEMAKER, Freedom, Pa. Filed May 18, 1921. Serial No. 470,518. 1 Claim. (Cl. 126—362.)

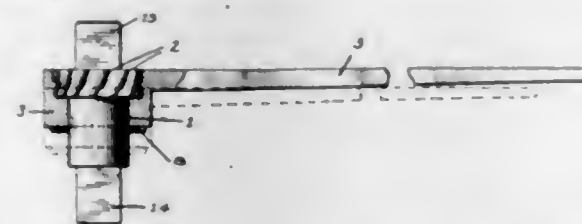
The combination with a boiler, of a branch cold water supply pipe opening into the boiler at the lower portion thereof and extending upwardly exteriorly of the boiler

to a point above the top thereof, a main cold water supply pipe connected at one end with the upper end of said branch cold water supply pipe and extending downwardly substantially to the lower end of the branch cold water supply pipe, a combined cut-off and bleed valve



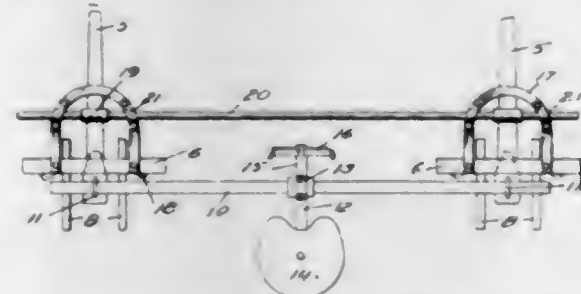
interposed in the main cold water supply pipe, a hot water delivery pipe connected with the upper portion of the boiler, and a conduit connecting the hot water delivery pipe with the upper end of said branch cold water supply pipe and having a reduced circulation port therein.

1,519,595. RATCHET. FRANK H. SOVEREIGN, Vallejo, Calif. Filed Nov. 27, 1922. Serial No. 603,614. 5 Claims. (Cl. 74—54.)



1. A ratchet comprising a body having spiral teeth formed thereon; an actuating member mounted upon said body and provided with teeth corresponding to the teeth of the body, said teeth being arranged to engage the teeth of the body and cause said body to be rotated when the member is turned in one direction and to be moved to disengaging relation permitting independent rotation of the actuating member when turned in the opposite direction; and means for connecting either end of the body to an object to be turned whereby said object may be turned in either direction.

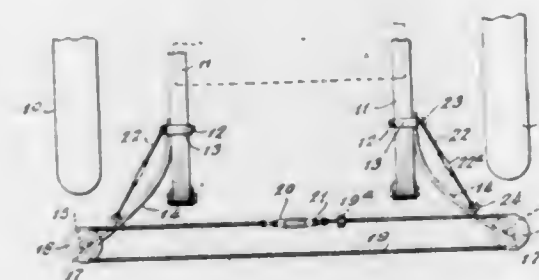
1,519,596. CULTIVATOR ATTACHMENT. FRED SPECHT, Callaway, Nebr. Filed Sept. 10, 1923. Serial No. 661,874. 4 Claims. (Cl. 27—143.)



1. In combination with a two row lister cultivator embodying a pair of wheeled cultivator units, each embodying a draft tongue having a rear cross bar and adjustably connected for movement toward and away from

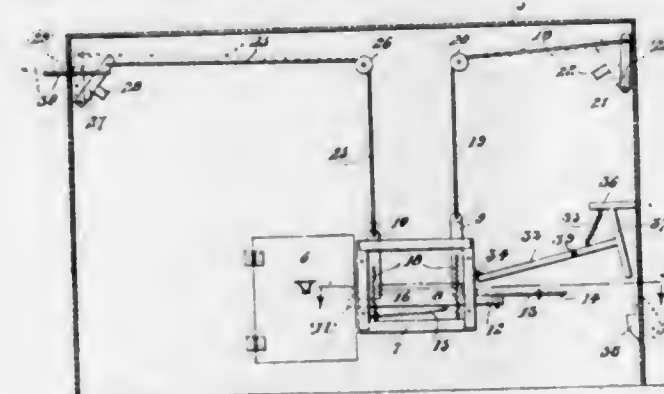
each other by means of a frame bar, bow members with rearwardly projecting legs arranged with their central portions upon the tongues and having their rear ends secured to the cross bars at opposite sides of the tongues, and a rod arranged transversely of the cultivator and having slidable connection with the legs of the bows and with the tongue.

1,519,597. AUTOMOBILE BUMPER. RUDOLPH C. G. STAATS-OFES, Monroe, N. Y. Filed Mar. 24, 1923. Serial No. 627,246. 8 Claims. (Cl. 293—55.)



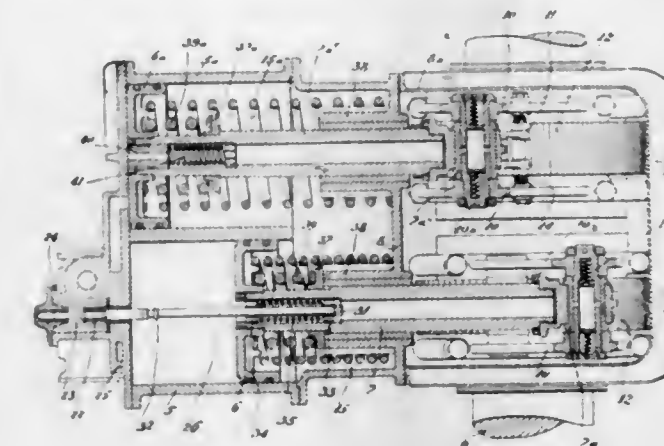
1. An automobile bumper comprising cable supports, a cable extending between said supports in a taut condition, and means to pivotally connect said cable supports to the side frames of an automobile chassis.

1,519,598. CHICKEN-COOP LOCK. STANLEY STEMP-KOSKI, Luke, Md. Filed July 31, 1923. Serial No. 654,940. 13 Claims. (Cl. 119—22.)



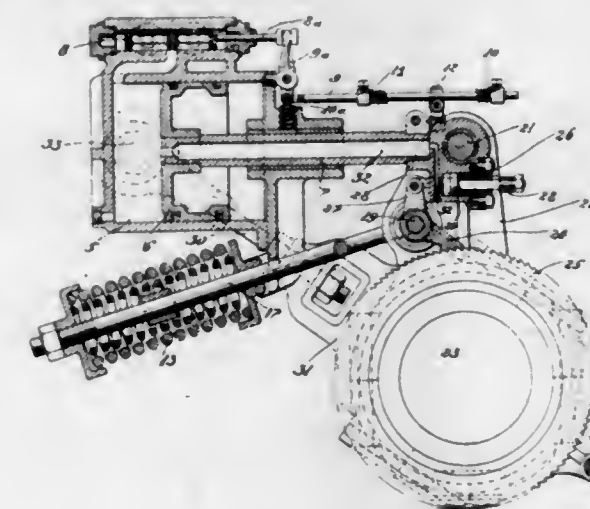
7. In a device of the class described, the combination with a chicken coop having a door, of a bolt within said coop for retaining said door in a closed position, resilient means for automatically moving said bolt into its locking position, keepers for holding said bolt in its locking or unlocking position, resilient means associated with each of said keepers for automatically moving them into their respective holding positions, means connected to each of said keepers, the actuation of which will move the keepers into positions out of holding engagement with said bolt, said coop having openings, means adapted to be inserted through said openings for actuating the means connected to said keepers for moving them out of their holding positions, means connected to said bolt, the actuation of which will move said bolt into its unlocking position, said coop having a further opening, means adapted to be inserted through the last mentioned opening for actuating the means connected to said bolt for moving the latter into its unlocking position, and means controlled by the chickens within the coop for preventing the insertion of the last mentioned means.

1,519,599. STARTING ENGINE FOR LOCOMOTIVES. CLEMENT F. STREET, Greenwich, Conn. Filed May 2, 1923. Serial No. 636,147. 22 Claims. (Cl. 105—32.)



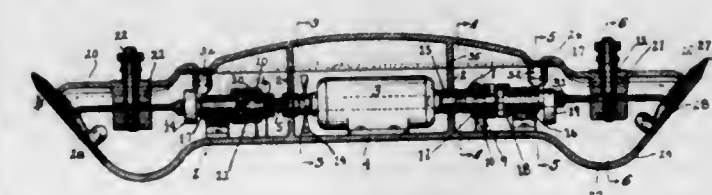
18. A control device for locomotive starting engines, comprising a fluid pressure actuated valve having an open position for supplying motive fluid to the engine supply passage, and a closed position for shutting off the supply and opening said passage to the atmosphere, and a pedal operated valve for controlling said pressure actuated valve.

1,519,600. AUXILIARY STARTING ENGINE FOR LOCOMOTIVES. CLEMENT F. STREET, Greenwich, Conn. Filed Oct. 3, 1922. Serial No. 592,013. 13 Claims. (Cl. 105—32.)



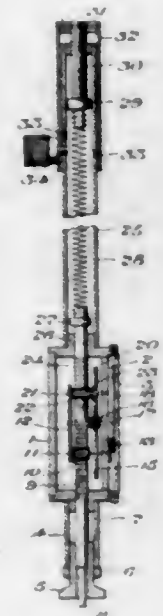
11. The combination with an engine cylinder and piston of a pawl and ratchet operated thereby and a fluid pressure operated device for throwing the pawl into engagement with the ratchet on the forward stroke of the piston.

1,519,601. POWER HAIR CLIPPER. EPIFANIO V. N. TOMASULO, now by judicial change of name Nestor Nicholas Tomasulo, Philadelphia, Pa. Filed Jan. 6, 1922. Serial No. 527,454. Renewed May 5, 1924. 12 Claims. (Cl. 30—1.)



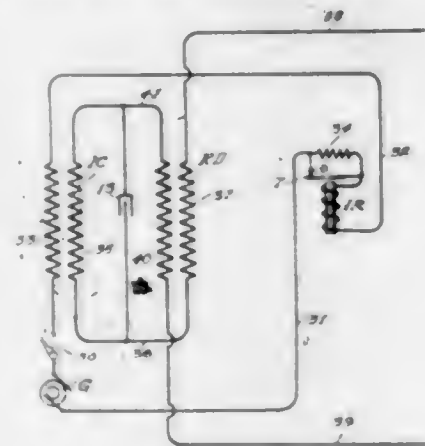
1. A power hair clipper comprising a hollow casing, angularly disposed cutter plates attached to the opposite ends of said casing, a motor positioned in said casing, and clutch mechanisms for selectively operating either end of said clipper.

1,519,602. **EXTENSOMETER.** ERLE C. ZIMMERMAN and IRA WILLIAMS, Akron, Ohio, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 21, 1922. Serial No. 530,829. 7 Claims. (Cl. 265-19.)



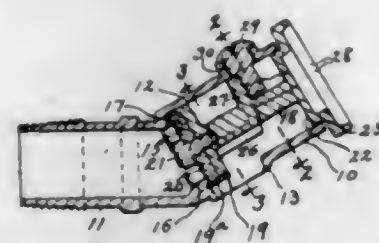
1. In a device of the character described, a foot piece, a rod slidably mounted in the foot piece, a pin carried by said rod projecting beyond the plane of the foot piece, an amplifying and indicating mechanism operated by the pin and means to exert a yielding pressure upon the pin.

1,519,603. **INTERRUPTER CIRCUITS.** ORMOND F. CASSADAY, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1919. Serial No. 298,764. 3 Claims. (Cl. 171-97.)



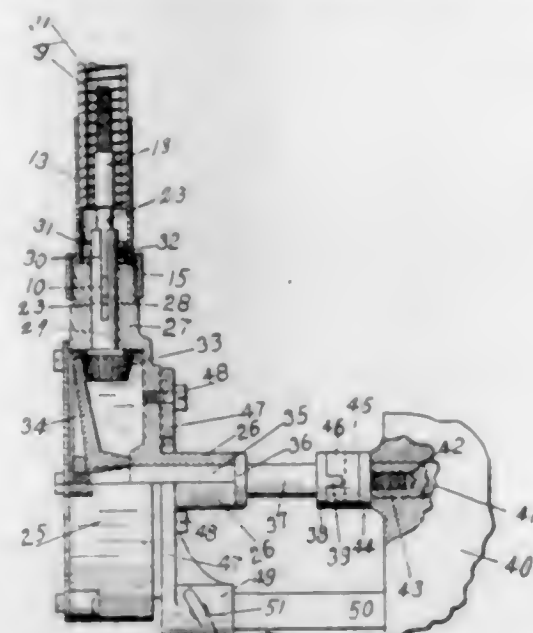
1. An interrupter circuit of the class described including a source of current, a transformer having a pair of windings, an interrupter relay in series relation with said source of current and one of the windings of said transformer, a retardation coil comprising one pair of windings, a delivery circuit, a circuit connection from one terminal of a winding of said retardation coil to a terminal of the other winding of said transformer, the other terminal of said winding of said retardation coil being connected to one arm of said delivery circuit, a second circuit connection from a terminal of the second winding of said retardation coil to the other terminal of the said last winding of said transformer, the other terminal of the second winding of said retardation coil being connected to the other arm of said delivery circuit, thus placing the windings of said retardation coil and the other winding of said transformer and the delivery circuit in series relation.

1,519,604. **FAUCET.** JOSEPH A. COSTELLO, Cleveland, Ohio, assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 23, 1923. Serial No. 633,851. 9 Claims. (Cl. 251-135.)



1. A faucet comprising a casing having an internal valve-seat and an interior chamber which has a fluid-outlet and a fluid-inlet which is surrounded by said seat, a pin rigid with and arranged substantially radially of the casing and spaced forwardly from said seat and having its inner end portion internally of the casing, and a valve having bearing in the casing and controlling communication through the aforesaid inlet and capable of limited rotation in one direction after movement of the valve from its fully open position toward said seat and having a rigid core extending endwise of the casing, said core having a flange which is spaced forwardly from the forward end and extends circumferentially of the core and at its forward side has a forwardly facing surface extending circumferentially and endwise of the axis of the valve and arranged to engage the rear side of the aforesaid pin and to have pressure exerted thereon by said pin during the aforesaid rotation of the valve.

1,519,605. **FILM METER AND MOTION-PICTURE APPARATUS.** JAMES E. DAVIS, Denver, Colo. Filed Sept. 15, 1921. Serial No. 500,871. 4 Claims. (Cl. 88-16.)



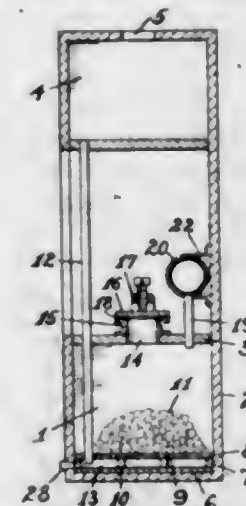
1. In film meter connections, the combination of a closed casing provided with a radial and an axial journal bearing opening thereto, a pinion shaft journaled in said radial bearing, its outer end being adapted for connection to the flexible shafting of a distantly located indicator metering device, a gear shaft journaled in said axial bearing, its outer end being provided with a coupling member, a pinion and a gear wheel housed, in mesh, within said casing on the inner ends, respectively, of said pinion and gear shafts, a coupling member for connection with a shaft of a motion picture machine, means for adjustably attaching said casing to said machine, with said gear shaft in substantial endwise alignment with said machine shaft, and a third coupling member interposed between the aforesaid coupling members.

1,519,606. **WHIP FOR CREAMS, SAUCES, ETC.** BELFORD DE VORE, Kansas City, Mo., assignor to Charlotte Hoskins, Kansas City, Mo. Filed Feb. 5, 1923. Serial No. 616,948. 5 Claims. (Cl. 259-144.)



1. In a device of the character described, the combination of a stock formed of two cylindrical members having threaded engagement at one of their ends, the inner member being formed with a series of perforations and projecting at one end slightly beyond the outer member, a series of looped beaters fitting between said members and extending beyond the same and having their ends returned to form hooks for engagement with said series of perforations, and a notched spacing ring for said beaters slidably received on the projecting end of the inner member adjacent the opposite ends of said members from said perforations.

1,519,607. **HYDROGEN-GAS GENERATOR.** ARTURO G. FAUZZO, Cleveland, Ohio, assignor to The Oak Rubber Company, a Corporation of Ohio. Filed Jan. 11, 1923. Serial No. 612,096. 5 Claims. (Cl. 48-114.)

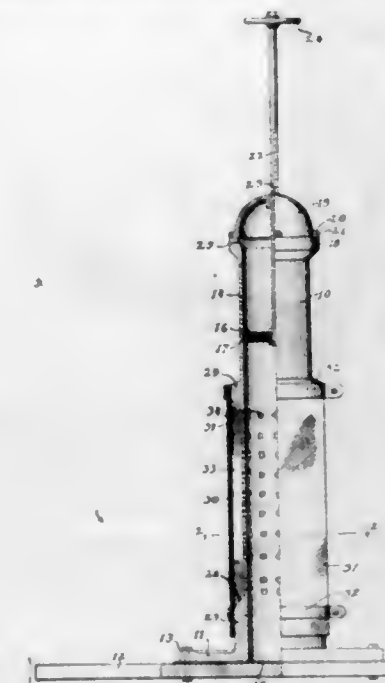


1. In a hydrogen gas generator, the combination of a compartment, a box in the compartment, the box having a top adapted to support spelter or pieces of zinc, the top being perforated, a feed reservoir above the compartment, a pipe establishing communication from said reservoir with said box below its perforated top, a condenser tank above said compartment, a conduit extending from said compartment to the condenser tank, and a tube leading from said condenser tank, substantially as described.

1,519,608. **HOG-LUBRICATING APPARATUS.** ALBERT D. FEY, CHARLES S. NICHOLSON, and NED J. NICHOLSON, Scranton, Iowa. Filed May 7, 1924. Serial No. 711,687. 8 Claims. (Cl. 119-157.)

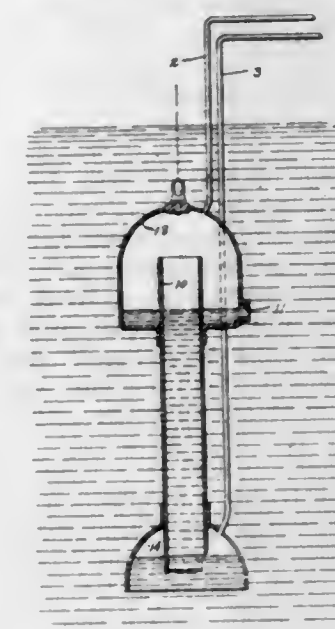
1. In a lubricating apparatus for animals, a container for lubricating material, a screen around the container

and suitably spaced therefrom, the wall of the container being provided with perforations opening into said space.



and means for forcing said lubricating material through said perforations into said space.

1,519,609. **SPECIFIC-GRAVITY METER.** MICHAEL BIRNFIELD, Glasgow, Scotland, assignor to Pneumator Company, New York, N. Y., a Corporation of Maine. Filed Feb. 21, 1922. Serial No. 538,192. 7 Claims. (Cl. 265-44.)

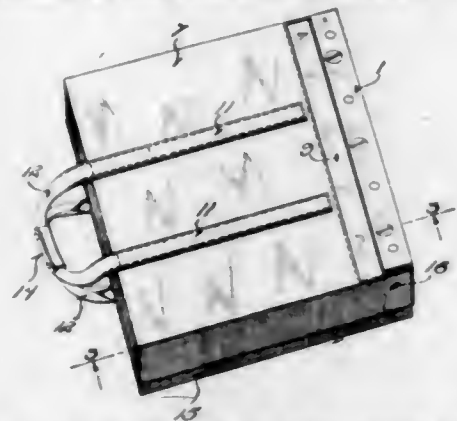


1. For indicating the specific gravity of liquid contained in a tank or other vessel, apparatus comprising two chambers having lateral orifices located in the tank or vessel at a given vertical distance apart, a differential gauge having independent connections to the balance chambers, said gauge being calibrated to furnish a direct reading in terms of specific gravity, and means for clearing said connections and chambers of liquid above the levels of the orifices in the respective chambers.

1,519,610. **BINDER.** CHARLES H. FRANZ, Jr., Milwaukee, Wis., assignor to The Heinn Co., Milwaukee, Wis. Filed Mar. 23, 1923. Serial No. 627,003. 3 Claims. (Cl. 129-13.)

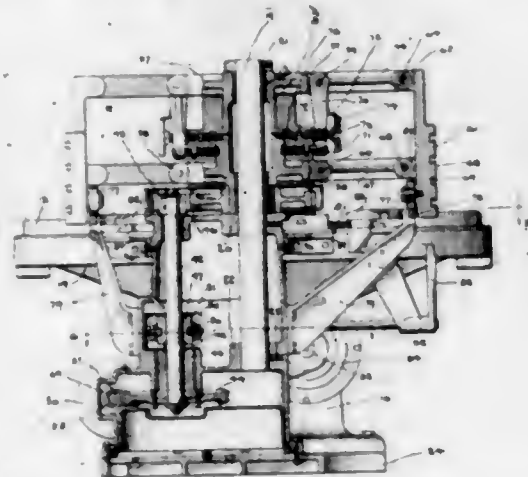
2. A binder for loose leaves comprising binding strips, adjustable means connecting said strips and binding the leaves between them, a pair of overlapping back mem-

bers extending from said strips, relatively stiff covers hingedly joined to said strips, and flanges extending in-



wardly from the free edges of said covers and telescopically related to completely house the leaves when said covers are closed.

1,519,611. GRINDING MACHINE. FREDERIC E. GARDNER, Beloit, Wis. Filed June 20, 1921. Serial No. 478,531. 13 Claims. (Cl. 51-134.)



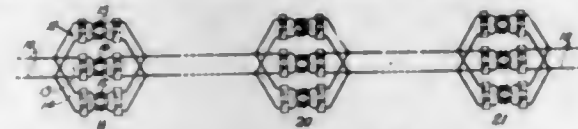
1. In a grinding machine of the class described, the combination of a grinding table, a rotatable hub adjacent said grinding table, a series of work holding frames connected with said hub to travel therewith and being adapted for vertical movement, a track concentric with said hub, track engaging members on said holding frames for engaging said track to normally hold said frames above the level of the grinding table, said track having inlet and outlet ends adjacent the grinding table edge, guiding terminals for said track ends mounted on the grinding table frame, means for bodily adjusting said hub and track relative to said grinding table, said track ends and guide terminals being relatively adjustable during such adjustment of the hub and track, said frames when disengaged from said track moving downwardly to present supported work to the grinding face of the grinding table.

2. In a grinding machine of the class described, the combination of a horizontal grinding table, a supporting frame adjacent said table, a hub mounted on said supporting frame for rotation about a vertical axis, work holding frames connected with said hub to travel therewith and being adapted to move vertically, means for normally holding said frames above the level of the grinding table, means for guiding said frames to the grinding table, and means for bodily adjusting said hub supporting frame with reference to the grinding table.

1,519,612. LOADING SYSTEM. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,650. 15 Claims. (Cl. 178-45.)

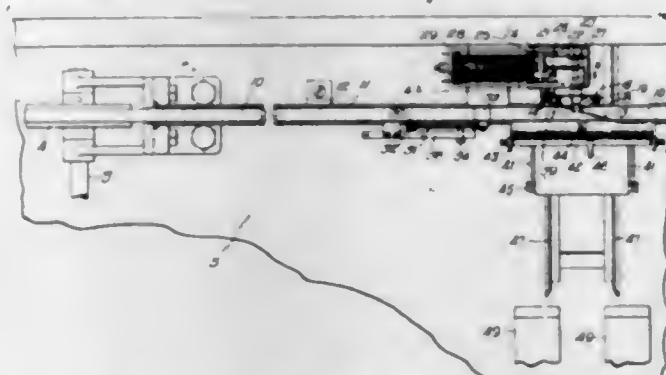
1. A signaling line comprising inductive means for

periodically loading said line according to the Pupin system for speech frequencies, and independent inductive



means for periodically loading said line for frequencies outside the range of frequencies of importance in speech.

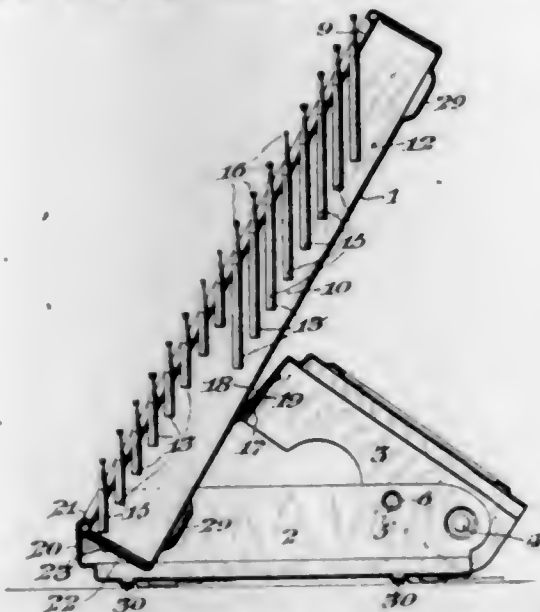
1,519,613. DISTRIBUTING MECHANISM. ALLEN B. HAZARD, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original applications filed Sept. 1, 1915, Serial No. 48,513, and Nov. 8, 1917, Serial No. 200,916. Divided and this application filed Jan. 16, 1920. Serial No. 351,971. 14 Claims. (Cl. 198-188.)



1. In a device of the class described, a distributing mechanism comprising an endless belt conveyor, a deflector adjacent thereto, and means operable from a point in advance of said deflector and controlled by the articles to be distributed for moving said deflector across the path of said articles at predetermined intervals.

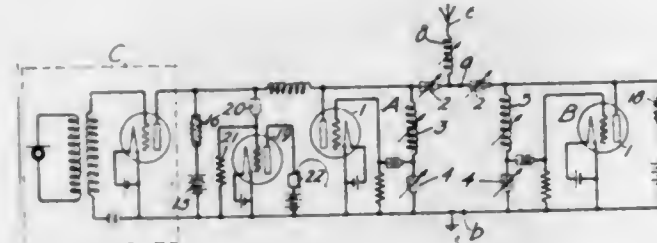
9. In a distributing mechanism, a pair of semi-circular receptacles, a pair of guide rails for delivering tubular articles thereto, means for receiving and delivering said articles to said guide rails, and releasing means cooperating with said receiving and delivering means to ensue delivery of said articles one at a time, said releasing means being controlled by the article immediately following the one released.

1,519,614. BURR HOLDER. GEORGE D. HECK, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 23, 1922. Serial No. 602,697. 7 Claims. (Cl. 206-44.)



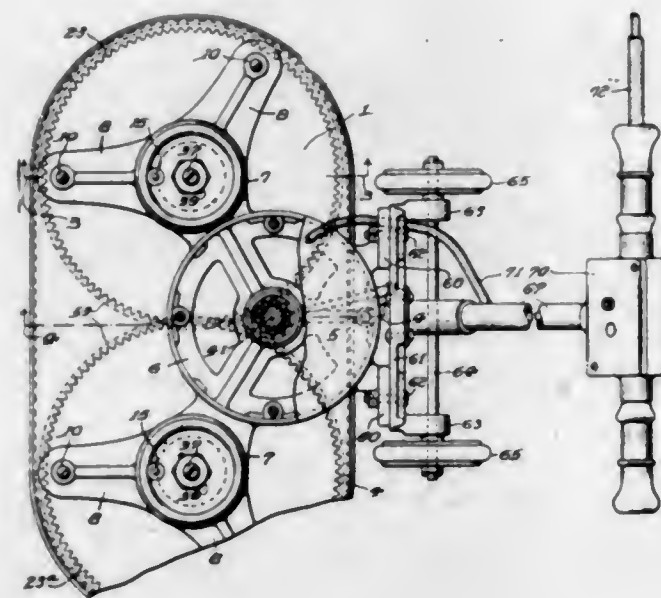
1. A tool-holder having a body forming a rack provided with a plurality of inclined tool-receivers, and means arranged to support said body so inclined that the tools in said receivers will assume a substantially vertical position.

1,519,615. SIGNALING SYSTEM. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 5, 1920. Serial No. 386,743. 21 Claims. (Cl. 250-2.)



17. A system for separating the modulated and unmodulated components of a modulated current which comprises a source of modulated current and a pair of paths tuned to the same frequency but having different effective values of self-inductance and capacity, said paths being connected in parallel to each other with respect to the source of modulated current.

1,519,616. SCRUBBING MACHINE. JOHN HERR, Philadelphia, Pa. Filed Dec. 13, 1923. Serial No. 680,290. 8 Claims. (Cl. 15-49.)

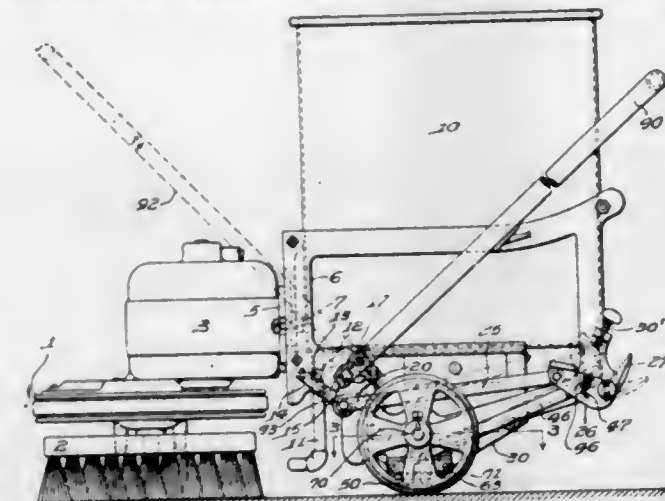


7. In a scrubbing machine, the combination of an electric motor having a detachable header provided with laterally extending brackets, a gear casing, means for securing said brackets to said casing, brushes, means intermediate the said motor and the said brushes whereby the latter are adapted to be rotated, and a wheel supporting frame having connection with the side of the said motor at the rear of the said scrubbing machine, the said frame being vertically adjustable with respect to the said motor.

1,519,617. SCRUBBING MACHINE. JOHN HERR, Philadelphia, Pa. Filed Dec. 13, 1923. Serial No. 680,291. 11 Claims. (Cl. 15-50.)

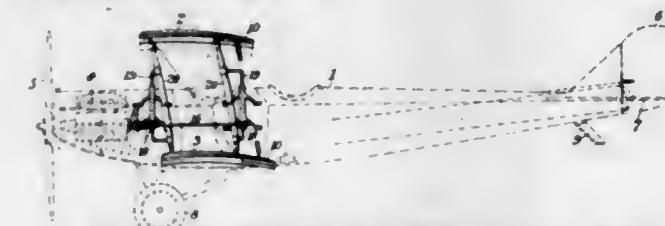
1. In a scrubbing machine comprising scrubbing brushes and means for actuating the same, the combination of a frame, a water tank supported on said frame, a soap holding receptacle also supported on the said frame,

means for controlling the flow of water from said tank, means for controlling the discharge of soap from said receptacle, and means common to the last two named



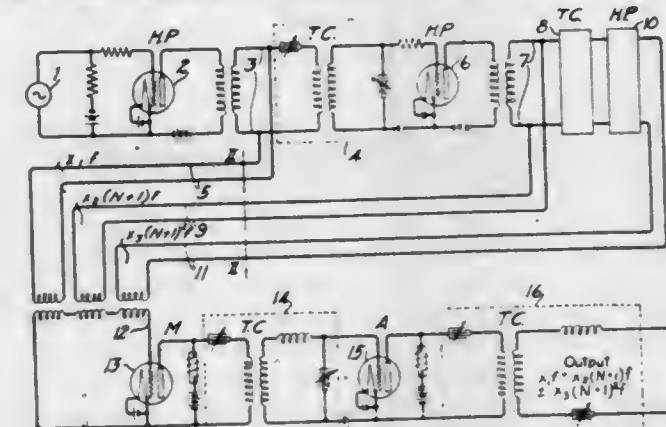
means for actuating the same to regulate and control the discharge of water and soap onto the surface to be washed.

1,519,618. AIRPLANE. JOHN W. S. HODGSON, Kittery Point, Me. Filed Aug. 14, 1918. Serial No. 249,800. 3 Claims. (Cl. 244-29.)



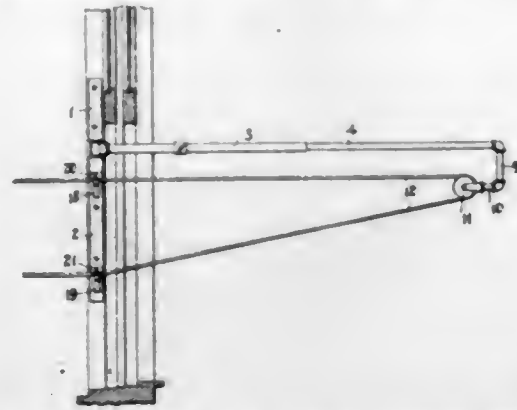
1. In a flying machine having a fuselage and a plurality of normally substantially horizontal weight-sustaining planes, supporting strut members connecting forward portions of the planes and mounted for substantially vertical movement on said fuselage, supporting strut members connecting rear portions of the planes and mounted for substantially vertical movement on said fuselage, interconnected means for moving said strut members to thereby bodily move the planes, said means for moving said strut members being constructed to move the rear strut members to a greater extent than the forward strut members, whereby as the planes are bodily moved with relation to the fuselage, the angle of incidence thereof is changed.

1,519,619. HARMONIC GENERATOR SYSTEM. JOSEPH W. HOATON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,646. 16 Claims. (Cl. 172-281.)



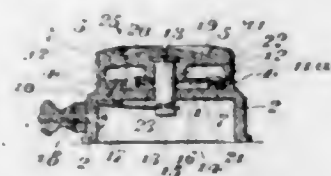
1. The method of producing a required harmonic electric wave which consists in distorting the fundamental wave, and then synthesizing portions of said distorted wave having different modes of variation to form the required wave.

1,519,620. CLOTHESLINE PULLEY DEVICE. NORVEL T. JETER, New York, N. Y. Filed July 19, 1922. Serial No. 576,050. 1 Claim. (Cl. 68-3.)



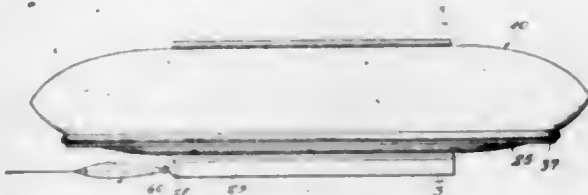
A window attachment for endless clothes lines, comprising upper and lower bracket support members adapted to be fastened to the side of a window frame, a bracket arm hinged between said bracket support members for swinging in and out of the window, a hook hinged to the inside of the window frame, an eye adjustable along the bracket arm to engage said hook for locking the arm at the limit of its adjusted inward swinging movement, a pulley carried by the free end of said arm, and cam levers carried by the lower bracket support member for clamping both leads of the clothes line thereto.

1,519,621. RHEOSTAT. ARTHUR ATWATER KENT, Ardmore, Pa. Filed Apr. 14, 1923. Serial No. 631,987. 21 Claims. (Cl. 201-55.)



1. Rheostat structure comprising relatively rotatable base and cap, means on one of them bearing upon the other and having within it a recess, whereby there is formed between the base and cap a substantially closed chamber, a resistance member and a co-acting relatively movable contact member disposed within said chamber, said contact member movable along said resistance member in direct contact therewith, one of said members being fixed with respect to said base and the other of said members being fixed with respect to said cap.

1,519,622. AERONAUTICAL APPARATUS. ALFRED T. KOOPMAN, now by judicial change of name Alfred T. Pitman, Dayton, Ohio. Filed Nov. 22, 1921. Serial No. 517,144. 6 Claims. (Cl. 244-3.)

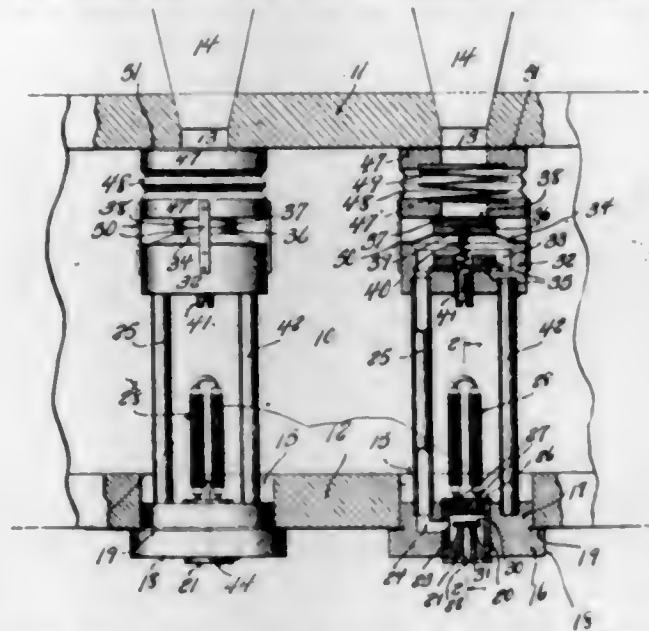


1. In an aeronautical apparatus, a balloon comprising an outer casing, an inner casing arranged within the outer casing, and a hollow pad interposed between the inner casing and the outer casing.

1,519,623. ELECTROPNEUMATIC UNIT VALVE FOR PIPE ORGANS. FRANZ A. MOENCH, Milwaukee, Wis. Filed June 26, 1922. Serial No. 571,097. 7 Claims. (Cl. 84-339.)

7. In a pneumatically controlled device, the combination of a stationary board having an opening therethrough, a pair of members having openings therethrough,

means tending normally to separate said members and a flexible means secured to said members and permitting limited relative movement between said members, one of said members being held in contact with said stationary board with its aperture in registry with the aperture of said stationary board, said flexible member preventing the escape of air between said members or between said stationary board and the member contacting therewith.



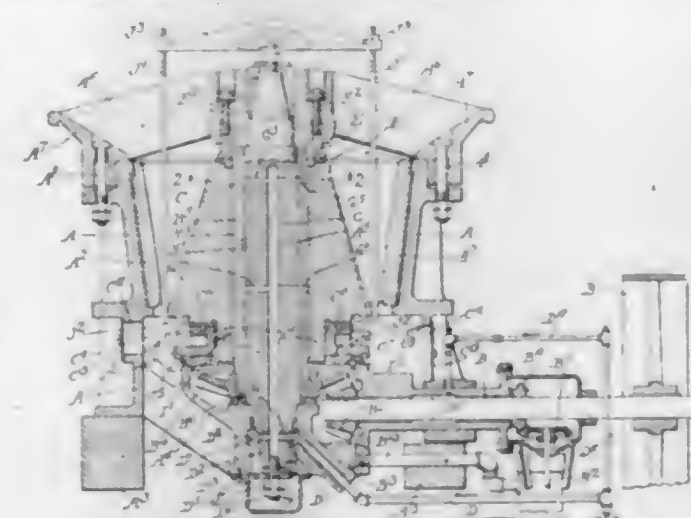
1. The herein described process of making shoe soles consisting of forming a core, one face of which is formed by the sole face of the shoe after the edges of the upper have been turned inward and attached; making a mould from said core and then moulding the sole therein, so that the contacting faces of the shoe and sole will provide perfect engagement.

1,519,624. SHOE SOLE AND PROCESS OF MAKING THE SAME. MIGUEL GONZALEZ MUÑOZ, Mexico, Mexico. Filed Oct. 29, 1921. Serial No. 511,305. 2 Claims. (Cl. 18-55.)



1. The herein described process of making shoe soles consisting of forming a core, one face of which is formed by the sole face of the shoe after the edges of the upper have been turned inward and attached; making a mould from said core and then moulding the sole therein, so that the contacting faces of the shoe and sole will provide perfect engagement.

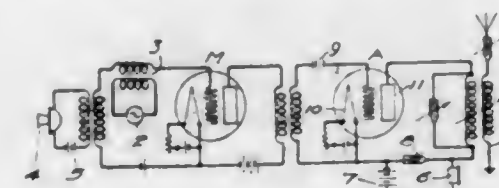
1,519,625. PRIMARY BREAKER. ALEXANDER L. MUNRO and HARVEY H. RUMPEL, Milwaukee, Wis., assignors to Smith Engineering Works, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 15, 1923. Serial No. 668,485. 19 Claims. (Cl. 83-10.)



1. In a crusher, a hopper, a central shaft, and a crusher head, adapted for eccentric motion thereabout, and a babbitt bearing intermediate the central shaft and the

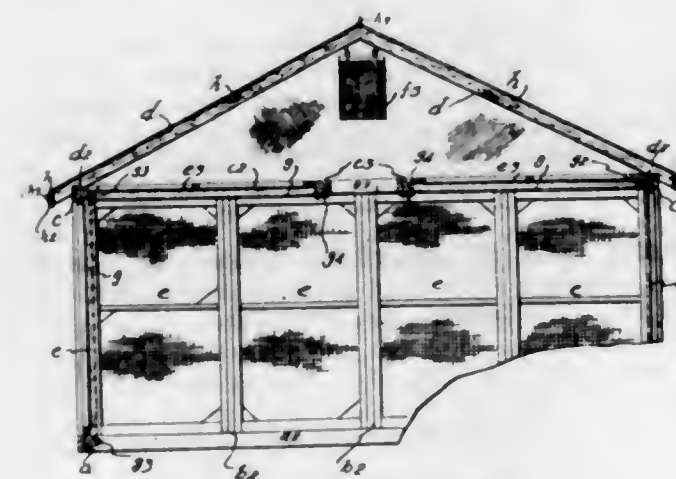
crusher head comprising a pair of substantially semi-cylindrical sections, each section being formed with an integral longitudinal key.

1,519,626. TWO-WAY HIGH-FREQUENCY SIGNALING. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,493. 31 Claims. (Cl. 179-15.)



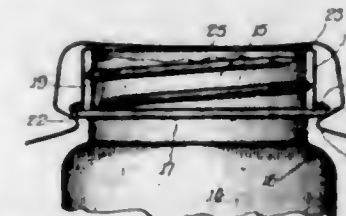
3. A discharge device having an input circuit and an output circuit, a source of sending waves connected to said input circuit, a circuit for received waves connected to said output circuit, and a receiver connected to said output circuit and actuated by the energy of said received waves.

1,519,627. BUILDING. WILLIAM C. OLIVER, Ferndale, Mich. Filed Mar. 17, 1923. Serial No. 625,725. 5 Claims. (Cl. 20-2.)



1. In a building, the combination of a framework open at its sides and ends, screens covering the open spaces of said sides and ends, and canvas sheets covering the outside of the ends of the frame and the inside of the sides of the frame, said inside curtains being adapted to be turned upward to a horizontal position and means for securing said curtains in said position to form a ceiling for the room inside of the building.

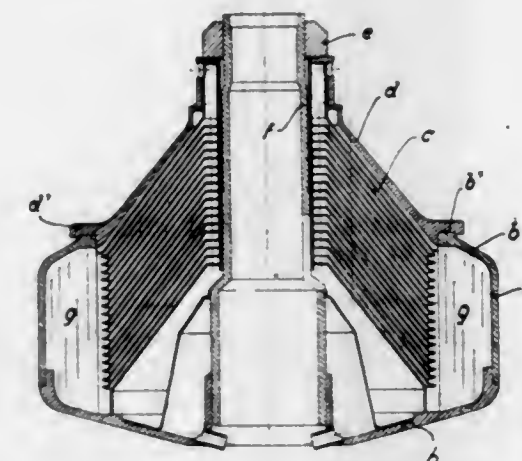
1,519,628. VACUUM-SEALING CAP FOR FRUIT JARS AND THE LIKE. WILLIS J. PELLE, Chicago, Ill. Filed Jan. 12, 1924. Serial No. 685,785. 1 Claim. (Cl. 215-38.)



A cap adapted for sealing conventional screw thread jars of the Mason type, said jars having a sealing seat and an upstanding neck thereabove of standard length and size, said cap comprising a top wall, a skirt portion

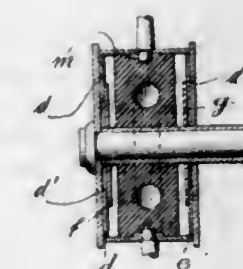
and a flange at the bottom thereof, adapted to receive a raw rubber composition gasket, the length and size of said skirt portion being so chosen with respect to the standard dimensions of the said upstanding neck that said cap when applied to one of said standard Mason jars will hermetically seal the same.

1,519,629. CENTRIFUGAL MILK SEPARATOR. HANS RÖHL, Mannheim, Germany, assignor to Schwarzwaldwerke Lanz, Kommanditgesellschaft, a Copartnership, Donaueschingen, Baden, Germany. Filed May 20, 1924. Serial No. 714,583. 4 Claims. (Cl. 233-27.)



2. A drum for milk centrifugals of large size and capacity comprising a bottom with upturned outer edge, an annular shell seating at its lower edge upon the edge of the bottom and at its upper end arched inwardly to provide a contracted opening, and a cover seating at its outer edge upon the contracted upper edge of the shell.

1,519,630. WHEEL. ANTONIO ROMASACH, Buenos Aires, Argentina. Filed Mar. 17, 1921. Serial No. 452,974. 1 Claim. (Cl. 152-43.)

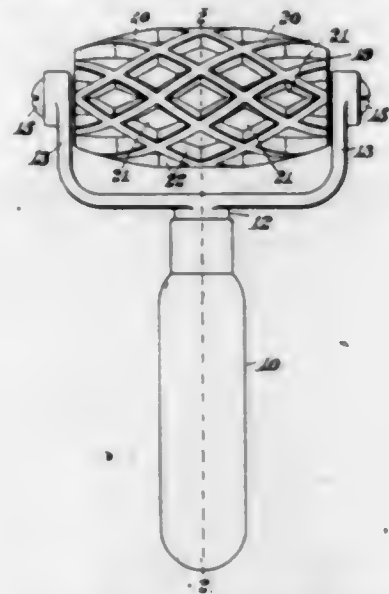


A vehicle wheel comprising a cylindrical casing open at both ends, a single round elastic member in said casing having an annular air chamber, a bushing passing through the center of said casing and of said elastic member, discs secured to said bushing, one on either side of said elastic member and spaced therefrom, discs secured to the inner wall of said casing in contact with the said first discs and capable of radial movements relative thereto, and discs closing the open ends of said casing.

1,519,631. MASSAGE DEVICE. HENRY F. SAWTELLE, Leominster, Mass. Filed Nov. 1, 1921. Serial No. 512,123. 1 Claim. (Cl. 128-57.)

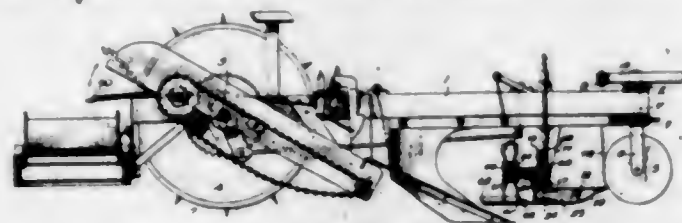
In a massage device, a resilient barrel-shaped roller having its periphery provided with intersecting helical

ribs, extending from end to end of the roller, and defining diamond shaped depressions, opposite diagonal corners



of which are arranged in parallel alignment with the longitudinal axis of the roller.

1,519,632. AGRICULTURAL MACHINE. ELI A. SAYEN, Escanaba, Mich., assignor of one-fourth to Dwyer M. Mackin, Escanaba, Mich. Filed Oct. 5, 1922. Serial No. 592,617. 5 Claims. (Cl. 55-107.)



1. Beet topping mechanism comprising a depending support, a substantially flat plate carried by said support and slightly spaced from the ground, a knife arranged beneath said plate, means for oscillating said knife, a second plate arranged rearwardly of said knife and adapted to receive the beet tops, and means for removing the tops from said plate.

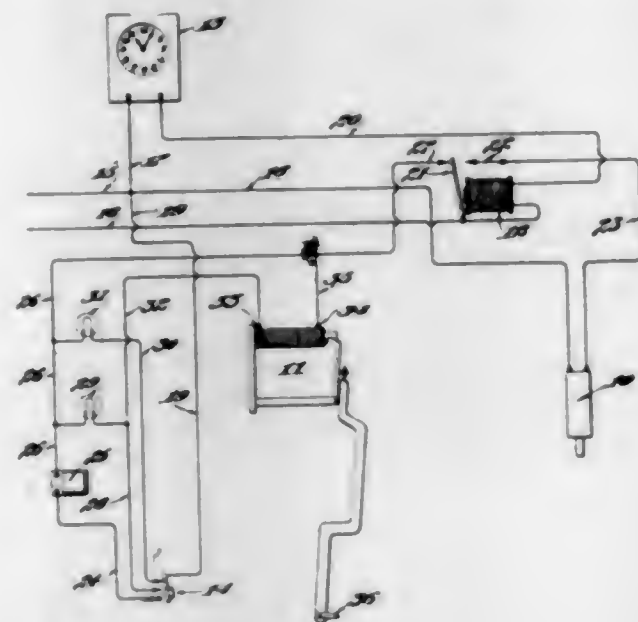
2. Beet topping mechanism comprising a depending support, a substantially flat plate carried by said support and slightly spaced from the ground, a knife arranged beneath said plate, means for oscillating said knife, a second plate arranged rearwardly of said knife and adapted to receive the beet tops, said plate being provided with a flange on one side and at the rear to prevent the beet tops from being removed from said plate on said side or at the rear, and means for removing the beet tops from said plate.

5. Beet topping mechanism comprising a depending support, a substantially flat plate secured to said support, runners secured to said plate and arranged beneath it, said runners being slightly spaced from said plate to maintain it at a desired distance from the ground, a knife arranged beneath said plate, means for oscillating said knife, a second plate arranged rearwardly of said knife, said plate being adapted to receive the beet tops, beater arms arranged over said second plate, and means for imparting a step by step motion to said arms to remove the beet tops from said plate.

1,519,633. ELAPSED-TIME RECORDER. CYRUS T. SCHIRMER, Newton, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1922. Serial No. 556,005. 6 Claims. (Cl. 234-27.5.)

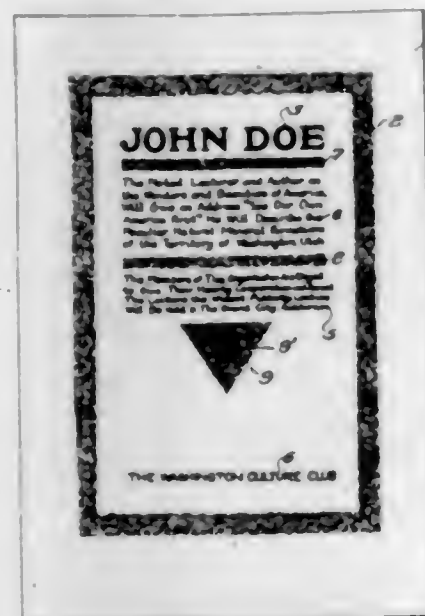
6. An elapsed time recorder having, in combination, a clock, a recording instrument comprising a magnet, an armature, a marker yieldingly pivoted on the armature

and a tape feed roll, a relay having two contacts, a stationary push button, a circuit including the push button, the magnet and one relay contact, connections between the clock and the relay for operating the latter at time intervals, feeding means for the tape roll, and a circuit



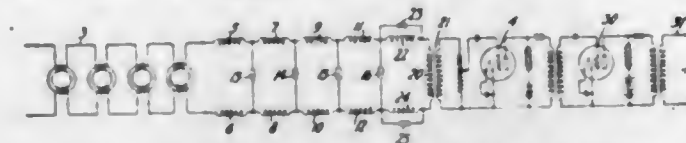
including the second contact of the relay and the roll feeding means and adapted to be closed when the relay is energized, whereby the magnet will be de-energized and again energized to actuate the marker at time intervals corresponding to the operation of the relay.

1,519,634. ART OF PRINTING. GEORGE L. SCHUESS, Lem, Chicago, Ill. Filed May 1, 1924. Serial No. 710,231. 10 Claims. (Cl. 101-395.)



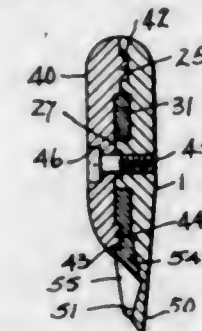
1. The improvement in the art of tint printing, which consists in pressing upon a surface to be tinted, an inked form having a fibrous impression face, the approach of the impression face to the surface being limited to a degree which leaves upon the surface delineations of the fibrous elements of the impression surface with interspersed unprinted portions of the surface.

1,519,635. ELECTRIC CIRCUITS. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 16, 1919. Serial No. 311,166. 17 Claims. (Cl. 178-44.)



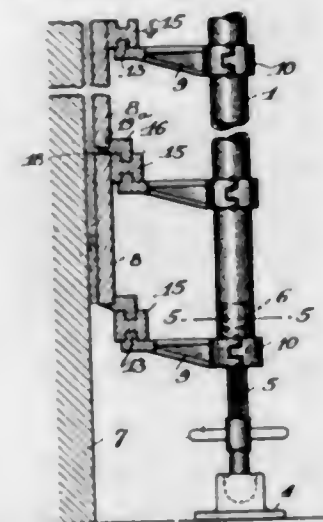
1. In an electric system, means for simulating the impedance of a filter of infinite length, said means comprising a filter of finite length and a network simulating the impedance of the remainder of said filter of infinite length for a wide range of the frequencies freely transmitted by said filter.

1,519,636. POWER-OPERATED HAIR CLIPPER. PAUL SERENE, Youngstown, Ohio, assignor of one-third to H. P. Higby and one-third to L. F. Donnell, both of Youngstown, Ohio. Filed July 7, 1922. Serial No. 573,481. 4 Claims. (Cl. 30-1.)



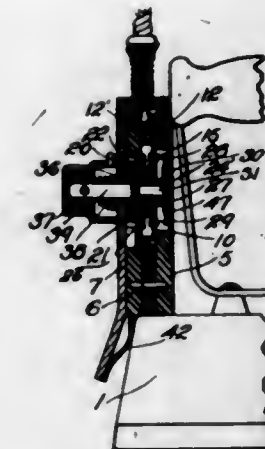
1. In a power operated clipper, the combination of a back plate having its front edge provided with stationary clipper teeth, said plate having a recess near the rear edge and a raised centrally placed lug, a movable toothed blade having a centrally located slot adapted to fit over said lug, such slot being longer than said lug to allow reciprocating movement of said blade and a cover for said blade and back plate having a lug adapted to fit into such recess in said back plate and resting on said blade and adapted to be secured to said back plate to hold said blade in reciprocating position.

1,519,637. APPARATUS FOR ATTACHING TILE TO A VERTICAL WALL. CHARLES L. SHANNON, Jr., Cincinnati, Ohio. Filed Nov. 27, 1922. Serial No. 603,574. 5 Claims. (Cl. 72-128.)



1. Apparatus for attaching tile to a vertical wall comprising supporting means, positioning bars removably arranged horizontally on the supporting means and extending parallel to the wall, and tile supporting bars removably positioned on the positioning bars and also extending parallel to the wall.

1,519,638. THERMAL CIRCUIT INTERRUPTER. HENRY SIEBEN, Kansas City, Mo., assignor to Charles C. Hoefler, Kansas City, Mo. Filed Jan. 10, 1921. Serial No. 436,020. 5 Claims. (Cl. 200-124.)



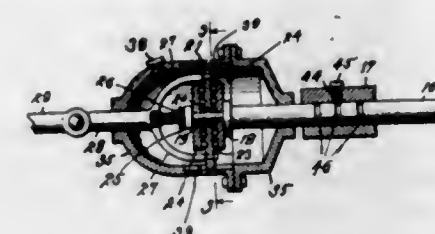
1. In a device of the class described, a pair of electric contacts, a switch for bridging the contacts, a rotatable element comprising two members in line with the axis of the switch, a fusible connection between the two members, a detent, a spring for putting the switch under tension, means on the switch for engagement with the detent to temporarily hold it stationary while the rotatable element turns so that the spring will be put under tension, and means for releasing the switch to permit it to snap into circuit closing position under tension of the spring after the rotatable element has moved through a determined arc.

1,519,639. ATTACHMENT FOR WELDING TORCHES. FRED H. SIMMONS, Hannibal, Mo. Filed Aug. 14, 1923. Serial No. 657,415. 5 Claims. (Cl. 113-111.)



1. A flux feeding attachment for welding torches comprising bellows immovably positioned upon an adjacent portion of the torch beyond the burner nozzle thereof, said bellows having a normally closed filling opening therein, a tube extending from one end of the bellows into proximity to the burner nozzle, and a ported tube arranged within and disposed longitudinally of a portion of said bellows adapted to deliver a measured quantity of flux to said tube.

1,519,640. VALVE REGULATOR. LOUIS SWEHLA, Mason City, Iowa. Filed Nov. 23, 1921. Serial No. 517,221. 1 Claim. (Cl. 123-90.)



A valve regulator for internal combustion engines including a slidable cam shaft, valve-actuated cams carried by said shaft, a guide casing into which the cam shaft

extends, a large non-rotatable disc within the said casing and constrained to slide longitudinally, said disc providing a bearing for the end of the said cam shaft, smaller discs fixed on the cam shaft adjacent opposite faces of the large disc, bearings between the said opposed faces of the discs, a yoke carried by the said large disc, a lever for shifting the yoke to slide the said discs and the cam shaft longitudinally of the casing, and a connecting link between the said fixed lever and the said yoke.

1,519,641. ROTARY UNDERREAMER. WALTER N. THOMPSON, Taft, Calif. Filed Oct. 12, 1920. Serial No. 416,491. 6 Claims. (Cl. 255-75.)



6. A rotary underreamer having a body with opposed slideways, carriers slidable in the ways and provided with surfaces to expand the carriers when upwardly translated, means for translating the carriers, and disc cutters having a diameter substantially the size of the body and journaled on the carriers, said disc cutters mounted to move with the carriers in a direction substantially parallel to the plane of their cutting edge.

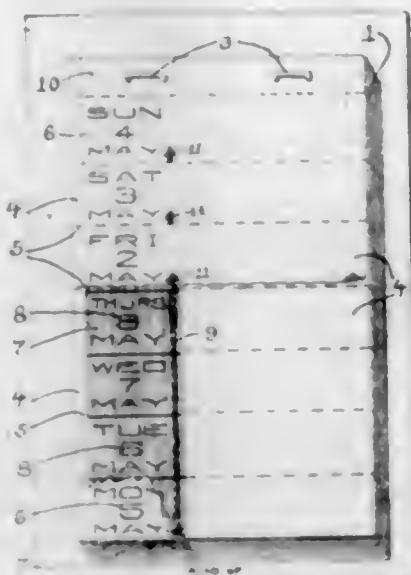
1,519,642. APPARATUS FOR THE EXTRACTION AND RECOVERY OF BROMINE. HENRI TORLER, Hackensack, N. J., assignor to American Bromine Company, Maywood, N. J., a Corporation of New Jersey. Filed Dec. 27, 1920. Serial No. 433,316. 8 Claims. (Cl. 23-40.)

1. In an extraction apparatus adapted for continuous operation, a mixing chamber provided with opposed nozzles for mixing immiscible liquids of different specific gravities, and a plurality of settling tanks connected therewith.

1,519,643. MEMORANDUM AND REMINDER PAD. HENRY VAN ARSDALE, New Rochelle, N. Y. Filed Jan. 10, 1924. Serial No. 685,330. 1 Claim. (Cl. 283-2.)

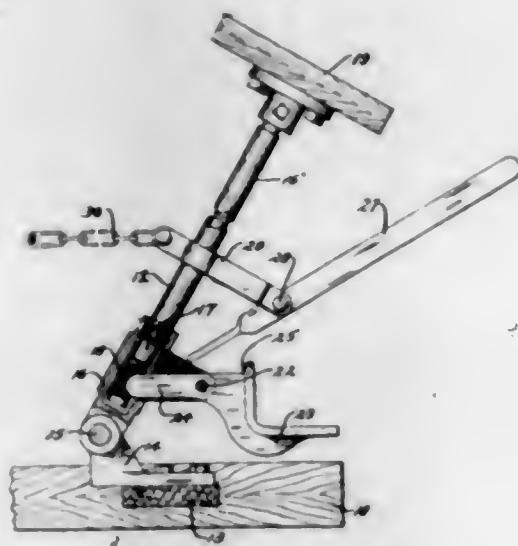
In a pad of the character described, in combination, a stack of sheets, each including a plurality of separately detachable memorandum slips, the slips of each sheet being in substantial alignment over the slips of the next sheet of the pad, so that when a slip of the uppermost sheet is detached, a slip of the next sheet will become uncovered and exposed for the reception and disclosure of memorandum, and a narrow strip of material of distinctive color interleaved between the uppermost sheet of the

pad and the next sheet, said strip being arranged to be removed from its position over said next sheet when all the slips of the uppermost sheet have been detached



from the pad, said narrow strip constituting means for distinguishing the slips of said uppermost sheet from the slips of said next sheet.

1,519,644. BOX-SEALING MACHINE. JACOB P. VERHULST, Sheboygan, Wis., assignor to National Box & Specialty Company, Sheboygan, Wis., a Corporation of Wisconsin. Filed Dec. 31, 1923. Serial No. 683,835. 5 Claims. (Cl. 93-36.)

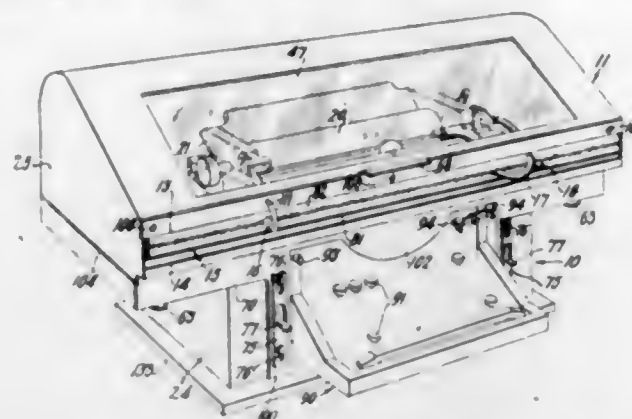


1. In a box sealing machine, a table forming an abutment, a pivotally mounted box securing platform movable from box receiving to operative position, manually controlled means for moving said platform into engagement with said table, and means mounted on said platform and movable therewith for locking said platform in this position, said latter means being moved to operative position during the movement of said platform.

1,519,645. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 4, 1921. Serial No. 466,520. 48 Claims. (Cl. 197-186.)

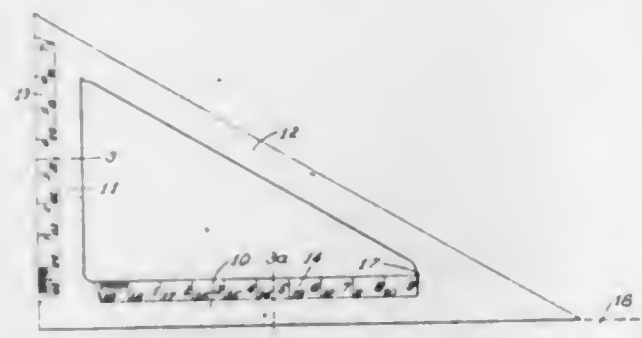
1. The combination with a typewriting machine comprising a carriage and a controlling lever mounted on said carriage for movement in a vertical plane, of a casing for said machine, said casing having a slot therein

through which said lever extends, means including a cushioning strip to keep the slot closed when the lever travels along the slot with the carriage and in normal relation



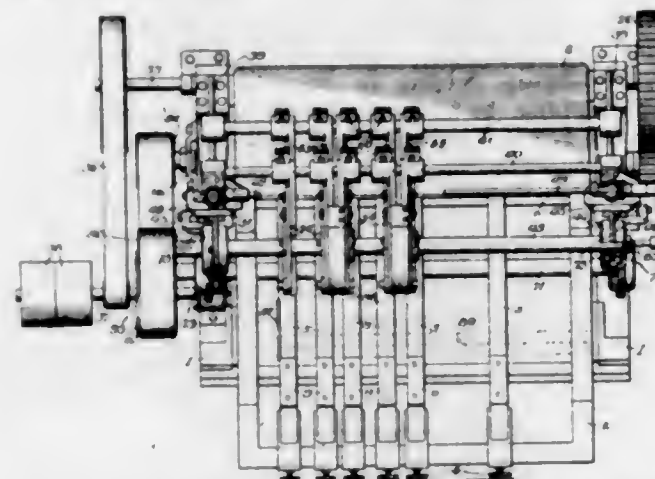
with the latter, and means actuable by said lever when moved toward said strip to shift the latter bodily to prevent undue crushing thereof.

1,519,646. DRAFTING IMPLEMENT. KENNETH B. WARD, Chicago, Ill. Filed June 8, 1921. Serial No. 476,024. 3 Claims. (Cl. 33-104.)



1. A drafting implement having two legs at a fixed angle to each other, each having edges which are at a fixed angle to the edges of the other leg, diagonally opposite edges of each leg being beveled and having scales formed thereon, the scales on the same side of the implement reading in direction away from the fixed angle of the legs.

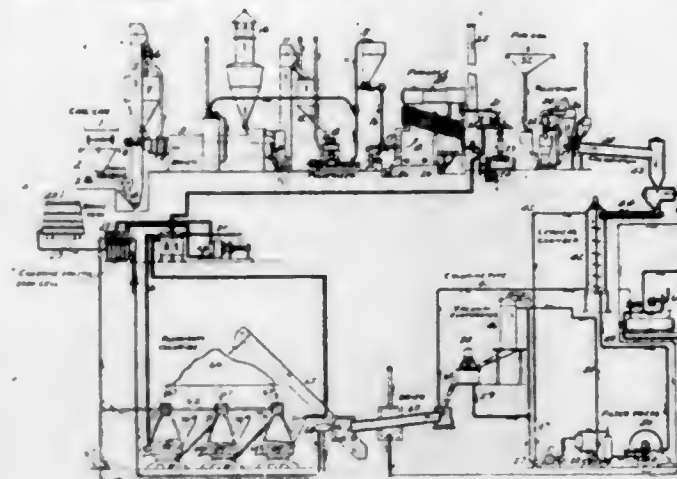
1,519,647. MACHINE FOR CUTTING MATERIALS. ALBERT G. WETMORE, Plymouth, Ind. Filed Nov. 19, 1920. Serial No. 425,230. 10 Claims. (Cl. 144-198.)



1. In a tenoning machine for tenoning and severing materials by the same means, the combination of a rotary tenoning cutter having a peripheral tongue, a rotary tenoning cutter having a peripheral groove opposite said tongue, so that said tongue serves to sever the materials where the groove leaves a portion thereof, and instrumentalities to pass the materials between said cutters.

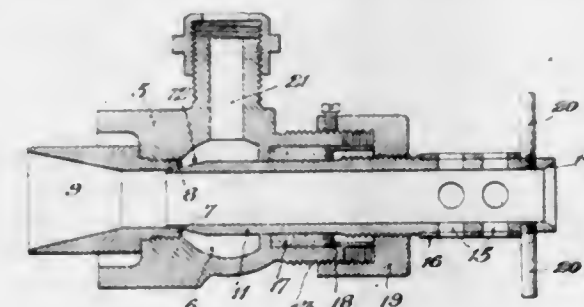
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1,519,648. PROCESS OF OBTAINING ALUMINUM FROM ITS ORES. GLEN LENARDO WILLIAMS, Detroit, Mich., assignor to Detroit Aero Metals Company, Detroit, Mich., a Corporation of Delaware. Filed June 21, 1922. Serial No. 569,949. 7 Claims. (Cl. 214-19.)



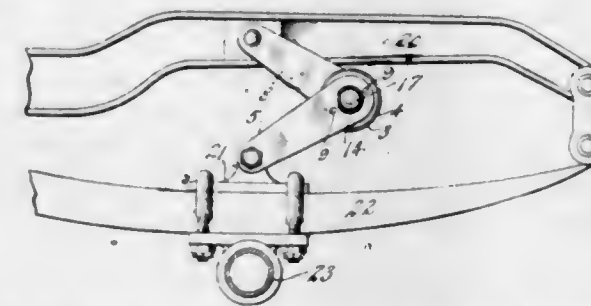
1. The process of producing aluminum from its ores which consists in heating the ore in the presence of chlorine to produce aluminum chloride and then electrolyzing the aluminum chloride to produce metallic aluminum and chlorine gas.

1,519,649. GAS-MIXING VALVE. PETER M. ANDERSON, Springdale, Wis. Filed Dec. 7, 1923. Serial No. 679,208. 6 Claims. (Cl. 158-118.)



1. The combination with a compressed fuel gas conduit having a converging discharge passage leading into a mixing expansion chamber, of an air pipe with an open end portion lying in said passage and having a segment of its outer surface more gently tapered, whereby longitudinal relative movement adjusts the discharge of fuel gas or by mere line-contact with the passage wall, cuts off the fuel, without forming a fuel crevice of material length.

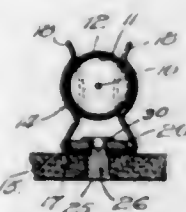
1,519,650. SHOCK ABSORBER. ERNEST C. AUSTIN, Wayne, Mich. Filed Feb. 27, 1922. Serial No. 539,460. 3 Claims. (Cl. 267-9.)



1. A shock absorber for vehicles comprising telescopic casing members together forming a tight casing and rotatable, one within the other, an operating arm carried by each casing member and extending laterally therefrom, a pair of disks in the casing with one disk secured within one casing member to turn therewith and the other disk operatively connected to the other casing member

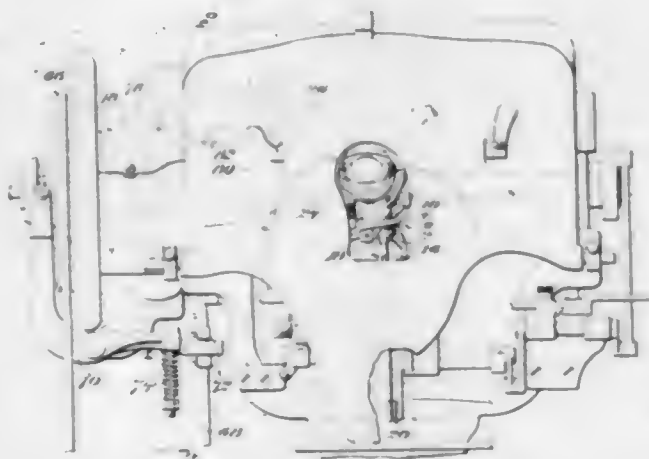
to turn therewith and to move relatively thereto toward and from the other disk, said disks being formed with opposed inclined surfaces adapted to be brought into contact by a relative rotation of the disks and to operate to separate the disks, yielding means within the casing to engage the disk which is movable relative to its casing member, said means being interposed between said disk and the bottom of the casing member to which it is operatively connected to yieldingly resist the movement of said disk away from the other disk upon relative turning movement of the disks, and a single bolt passing axially through said casing members and disks for operatively connecting the casing members to prevent their separation and permitting relative turning movement thereof.

1,519,651. ELECTRICAL CONNECTING FIXTURE. ERNST G. APPLETON, Chicago, Ill., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 10, 1922. Serial No. 573,996. 8 Claims. (Cl. 260—134.)



1. An electrical connecting fixture comprising a terminal member, a clip member, and a single device adapted for fastening the fixture to an insulating base and having permanently spaced, unitarily integral shoulders for permanently binding the said members together.

1,519,652. LOCK-STITCH SEWING MACHINE. FRED ASHWORTH, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 9, 1922. Serial No. 527,871. 5 Claims. (Cl. 112—219.)

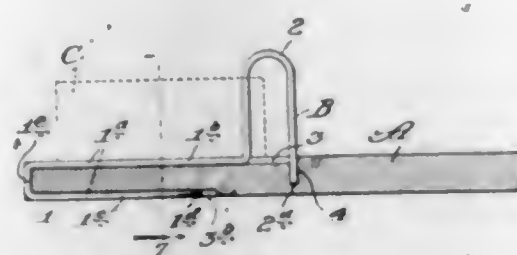


1. A lock stitch sewing machine having, in combination, stitch forming mechanism including a hook needle, a looper, a loop taker and a take-up, and mechanism for stopping the machine upon the completion of the sewing with the locking thread held in the light of the last needle loop outside the surface of the work.

1,519,653. HOLDER FOR CALENDARS, ETC. HARRY E. AUSTIN, Chicago, Ill. Filed Sept. 14, 1923. Serial No. 662,670. 4 Claims. (Cl. 40—120.)

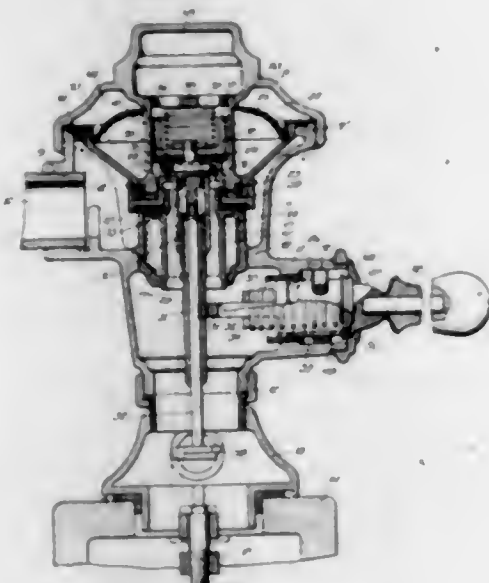
4. A device of the character set forth comprising a base, and a retaining device clampingly mounted thereon comprising a resilient wire having an elongated loop-form shank bent upon itself and clampingly engaging one

end portion of said base and having arch-form extensions of the members of said loop upstanding from said base at an intermediate portion thereof, the free ex-



terminities of the members of said arches engaging recesses with which said base is equipped at an intermediate portion.

1,519,654. AUTOMATIC FLUSH VALVE. ROBERT R. BANTA, Chicago, Ill. Filed Mar. 28, 1921. Serial No. 456,344. 24 Claims. (Cl. 137—93.)



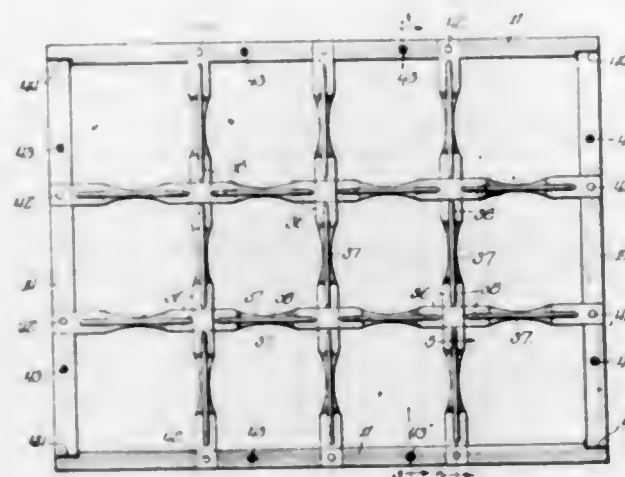
1. In combination, a valve, a valve operating rod associated therewith, a lower tripping member engaging the rod and adapted to be moved to release the rod and to automatically return to operate the valve, and a second tripping member adapted to be moved to disengage the rod from the lower tripping member to simultaneously operate the valve.

22. A flush valve comprising a casing with an inlet and an outlet, a valve seat between the same, a dam carried by the casing concentric with and above the valve seat, a main valve seated in the valve seat, and an upwardly extending sleeve upon the valve adapted to coact with the dam to guide the valve movement and to act as a dash pot to limit and control the speed of said movement.

1,519,655. BOTTLE CRATE. ARTHUR A. BERNDT, Chicago, Ill., assignor to Kurz Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1924. Serial No. 704,316. 14 Claims. (Cl. 217—22.)

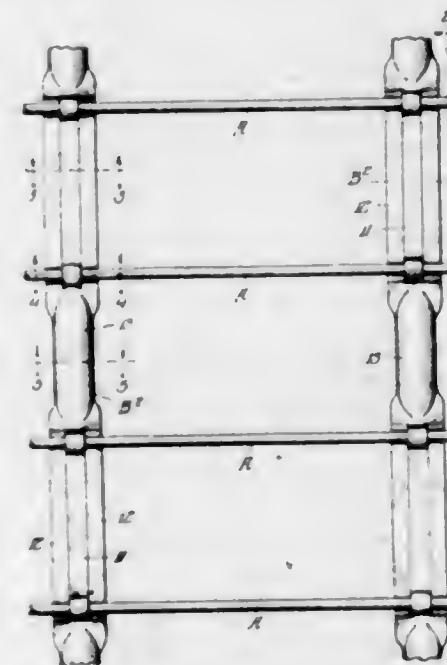
1. A bottle crate, comprising walls, a shoe frame attached to the lower edges of said walls, a bottle-supporting base including a series of parallel rectangular narrow wire loops, and attachment clips for said base embracing

the end members of said loops and formed with a pair of folded flat wings lying in the joint at the meeting



edges of said walls and shoe frame, said wings being formed with integral oppositely extending tangs entering kerfs in said meeting edges.

1,519,656. FABRICATED METALLIC STRUCTURE. ARTHUR A. BERNDT, Chicago, Ill., assignor to Kurz Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1924. Serial No. 704,317. 6 Claims. (Cl. 217—22.)

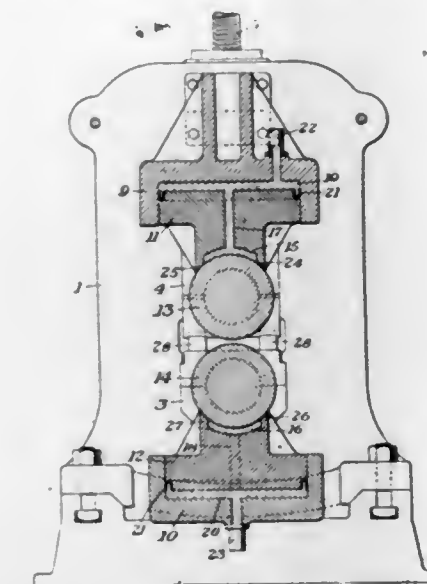


1. A fabricated metallic structure of the character described, comprising spaced parallel members, and spacing strips disposed transversely of said members, each of said strips having at spaced intervals lengthwise thereof integral offset tongues between each of which and the body of the strip an adjacent pair of said members are seated and rigidly spaced by a depressed portion of the tongue between said members.

1,519,657. MILL. FLORENCE C. BIGGERT, JR., Crafton, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 10, 1922. Serial No. 567,281. 11 Claims. (Cl. 80—41.)

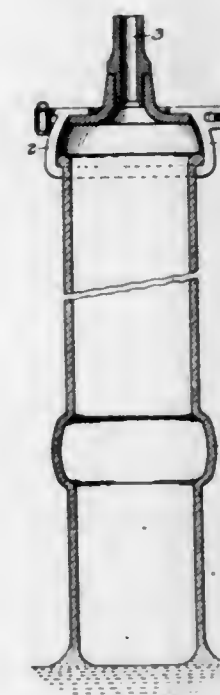
11. In a mill, the combination with one of the rolls of the mill, of a cylinder, a piston therein having a chamber, one side of which is constituted by the roll,

means for supplying liquid under pressure to the cylinder and the chamber in the piston, the areas of the piston and the chamber being so proportioned that the liquid in



the cylinder acts to operatively seal the chamber against the roll and the liquid in the chamber acts to cool, support and reinforce the roll.

1,519,658. METHOD OF MAKING CONDUITS. FREDERIC L. BISHOP, Pittsburgh, Pa. Filed Nov. 29, 1921. Serial No. 518,684. 6 Claims. (Cl. 49—83.1.)

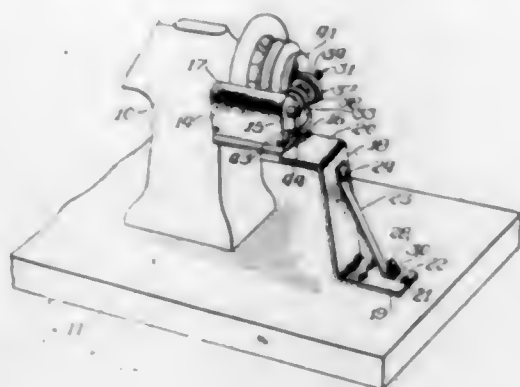


6. The method of forming a glass pipe, consisting in drawing a comparatively straight pipe upwardly from a glass bath, increasing the air pressure, forming an elliptical or spherical enlargement, decreasing the air pressure, continuing the draw, and capping off the double length at the central portion of the spherical enlargement.

1,519,659. PROCESS FOR PRODUCING PHOTOGRAPHIC AND OTHER FILMS. CHARLES E. BRADLEY, Montclair, N. J., and JOHN MCGAVACK, Elmhurst, N. Y., assignors to Naugatuck Chemical Company, a Corporation of Connecticut. Filed Aug. 8, 1921. Serial No. 490,708. 7 Claims. (Cl. 106—23.)

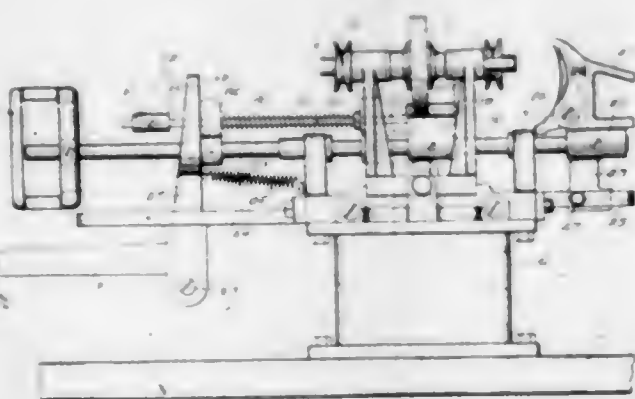
5. A film consisting of a thin transparent sheet composed of a rubber compound containing an anti-acid material.

1,519,660. METER ATTACHMENT FOR SEWING MACHINES. JULIUS G. BREITENSTEIN, Chicago, Ill. Filed Nov. 10, 1922. Serial No. 600,069. 5 Claims. (Cl. 74-26.)



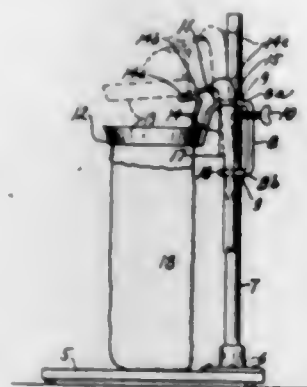
1. In combination, a driving shaft, a friction disc connected with one end thereof, a counting mechanism embodying an operating shaft therefor, a friction disc carried by the last said shaft and rotatable on an axis transverse to the axis of the first recited shaft, a bracket supporting the counting mechanism, said bracket embodying an upright portion, the extremities thereof being deflected laterally, one of the said deflected extremities serving as a support for the counting mechanism, means adjustably securing the other deflected portion to a supporting surface, the said upright and the said extremity which supports the said counting mechanism being inclined to the vertical, a brace connected with the said upright portion of the bracket, one end of the brace terminating adjacent the base of the upright portion, and means engaging the last recited end of the brace and the base of the bracket for flexing the upright with respect to its base.

1,519,661. KNIFE-BLADE SHARPENER. HAROLD BAIX, Chicago, Ill., assignor to Sharp & Smith, Chicago, Ill., a Corporation of Illinois. Filed Jan. 28, 1924. Serial No. 689,045. 5 Claims. (Cl. 51-85.)



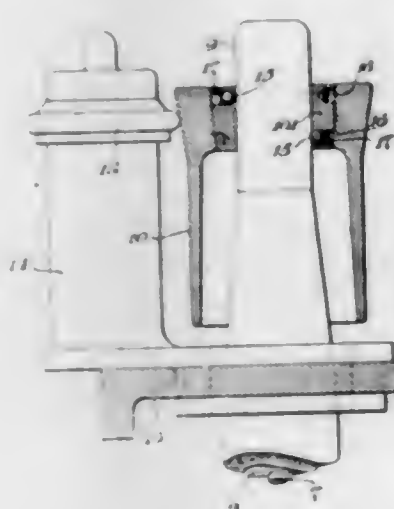
1. A device of the character described comprising two abrasive wheels, means for supporting a knife blade between the abrasive wheels, means for rocking the knife blade to bring one side of its cutting edge into contact with the grinding surface of one abrasive wheel or the other side of its cutting edge into contact with the grinding surface of the other abrasive wheel, means for sliding the knife blade to draw the straight portion of its cutting edge across the grinding surface of either abrasive wheel while in contact therewith, and means for rocking the knife blade in order to draw the curved portion of its cutting edge across the grinding surface of either abrasive wheel while in contact therewith.

1,519,662. BAG HOLDER. JAMES LLOYD BROWN, New Richmond, Wis. Filed Apr. 20, 1924. Serial No. 709,194. 2 Claims. (Cl. 83-20.)



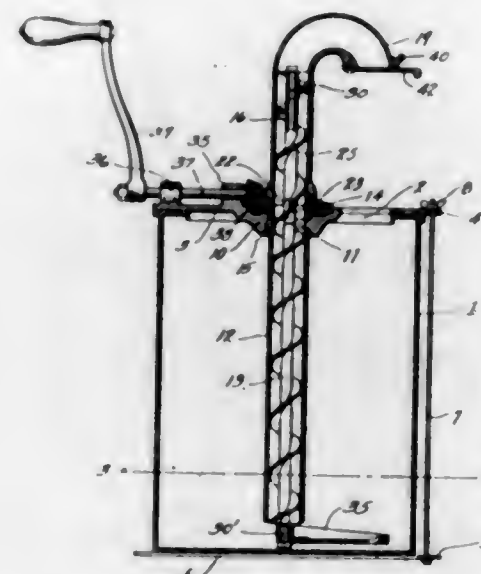
1. A bag holder comprising a portable platform, a vertical column mounted on said platform, a bracket slidable on said column and means for securing said bracket at various elevated positions on the column, an outer bag engaging member secured on said bracket forward of the column and above the platform, an inner bag engaging member arranged concentric with the first mentioned bag engaging member, and means for lowering the latter member within said first member to frictionally engage a bag between them, said outer bag engaging member comprising a looped band tapering downwardly and having an opening in its front side, said inner bag engaging member comprising also a downwardly tapering band, said means for lowering the inner band comprising a bar the forward end of which is secured to the band and extends upwardly therefrom, a handhold arranged on said bar adjacent the band, said bar being extended rearwardly from the handhold thence downwardly through vertically registering slots in the vertically adjustable bracket, and said bar having notched portions adapted to engage the bracket to hold the bag engaging band in spaced relation to the outer band.

1,519,663. CAP-SPINNING FRAME. ROBERT BURGESS, Newton Center, Mass., assignor of one-half to Joseph H. Jones, Winthrop, Mass. Filed Dec. 26, 1922. Serial No. 608,809. 50 Claims. (Cl. 118-62.)



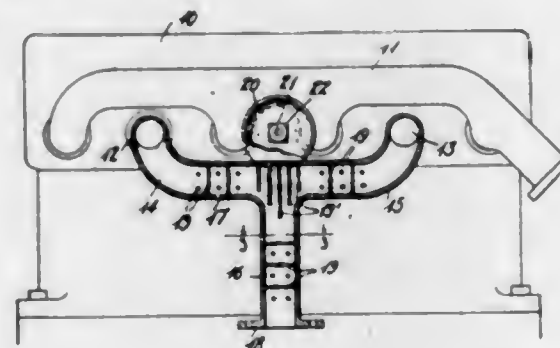
1. In cap-spinning devices, the combination with a spinning element, and a live cap actuated by the said element, having an internal bearing surrounding the blade or barrel of such element, of a "pivot" cooperating radially with the exterior of the cap in a line extending radially of the cap through the said internal bearing.

1,519,664. PUMP. ELBERT L. CAMPBELL, Tacoma, Wash., assignor of one-half to L. S. Fisher, Tacoma, Wash. Filed Jan. 3, 1922. Serial No. 526,630. 4 Claims. (Cl. 103-89.)



1. The combination with a container having a top opening, of a pump of the class described comprising a supporting plate fixedly mounted upon the container and having an opening therethrough a gear wheel mounted rotatably upon the plate having an opening therein concentrically registering with the plate opening, a conveyor tube mounted in the plate opening and extended within the container, another tube supported upon the plate in alignment with the gear opening and serving as a continuation of the lower tube, screw conveyors mounted in the tubes and operatively connected to be driven by the said gear and means for rotating the gear.

1,519,665. INTAKE MANIFOLD FOR GASOLINE-PROPELLED VEHICLES. ALBERT B. CHARLES, Blue Mound, Kans. Filed Nov. 25, 1922. Serial No. 603,320. 5 Claims. (Cl. 48-180.)

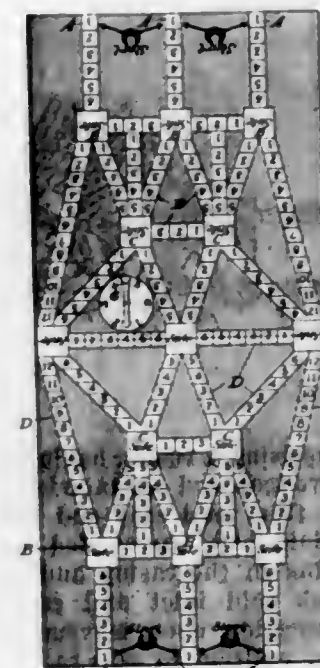


3. A mixture splitter comprising an intake manifold, a group of spaced rods extending crosswise of the manifold adjacent the intake opening thereof, a group of spaced rods extending crosswise of the manifold adjacent the outlet opening thereof, and a group of spaced rods between the first and second mentioned groups and disposed opposite to, and parallel with the axis of, the intake opening of the manifold, each of said rods presenting a spiral groove for imparting a twirling movement to the mixture passing through the manifold.

1,519,666. GAME APPARATUS. WILLIAM E. COONEY, Pittsburgh, Pa. Filed May 23, 1923. Serial No. 640,864. 2 Claims. (Cl. 46-63.)

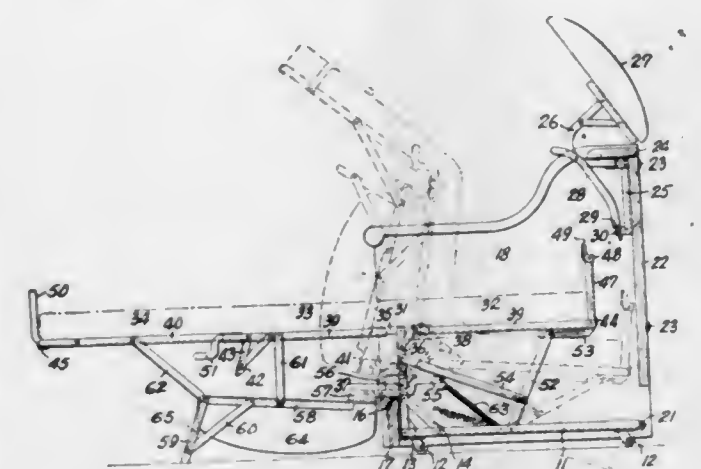
1. A game apparatus comprising a chart representing a water area, and having a plurality of paths divided into spaces, certain of said paths representing starting paths, the spaces of said paths being numbered, a plu-

rality of spaces representing havens of safety and interconnected by said paths, and a plurality of pieces for each player, certain of said pieces representing vessels



permitted to move in one direction only along the several paths and certain others thereof representing vessels permitted to move in either direction along said paths, substantially as described.

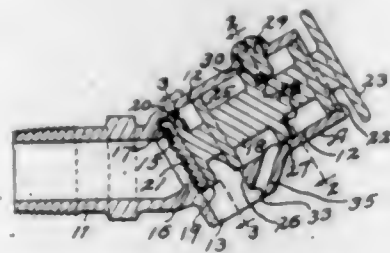
1,519,667. DIVANETTE. RUDOLPH COOPERSMITH, Montreal, Quebec, Canada, assignor, by mesne assignments, to The Seng Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1919. Serial No. 307,926. 17 Claims. (Cl. 5-13.)



9. In a device of the class described, a frame, a seat therefor, a foldable bed bottom, a single lever at each end of the seat pivoted intermediate their ends to the frame and pivoted at the ends to the seat so that the seat will be advanced when inverted in front of the frame and raised thereby when returned to its position as a seat, and bed bottom operating means including stems to which the levers are fixed.

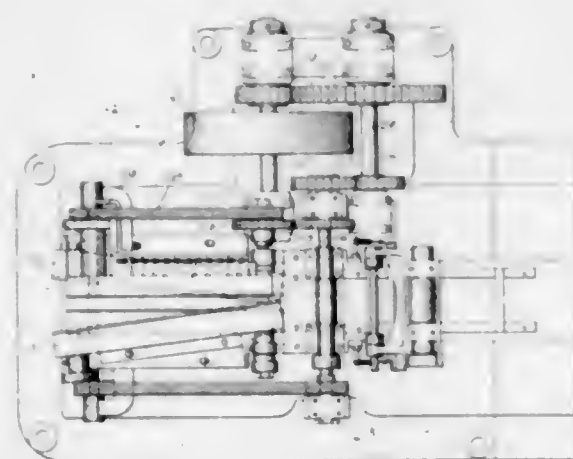
10. A device according to claim 9, in which the bed bottom includes hinged related head and centre sections, the latter being rigidly connected to said levers and the former being flexibly connected to said levers by the operating means comprising levers connected between the frame and head section and links connecting the first and second mentioned levers.

1,519,668. FAUCET. JOSEPH A. COSTELLO, Cleveland, Ohio, assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 5, 1924. Serial No. 684,597. 11 Claims. (Cl. 251-135.)



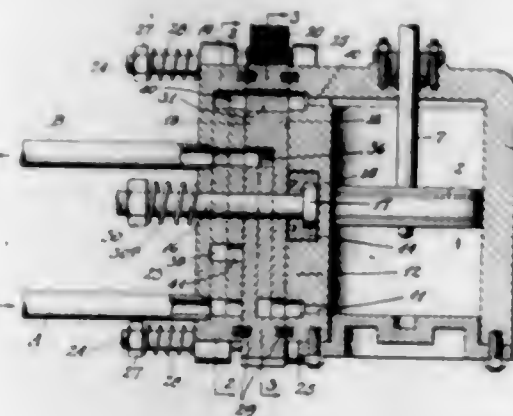
1. A faucet comprising a casing having an internal forwardly facing valve-seat and an interior chamber which extends forwardly from said seat and has a fluid-outlet adjacent and a fluid-inlet surrounded by said seat, a valve having bearing in the casing and controlling communication through said inlet and capable of limited rotation in one direction upon movement of the valve from its fully open position to said seat and comprising a core extending endwise of and surrounded by said chamber, said core having a circumferential baffle-flange which is spaced rearwardly from the forward end of the core and forwardly from the valve, and means forward of said flange for forcing the valve into fluid-tight engagement with the aforesaid seat during the aforesaid rotation of the valve, the casing having a drain-passage which discharges, at one end, into the aforesaid outlet at a point spaced downwardly from the upper end of said outlet and is in communication, at its other end, with the aforesaid chamber forward or rearward of said flange according as the valve is in its closed or fully open position.

1,519,669. METAL-EXPANDING MACHINE. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, a Corporation of Ohio. Filed Jan. 5, 1924. Serial No. 684,643. 3 Claims. (Cl. 161-60.)



1. In a machine for expanding previously slitted metal blanks, a pair of diverging expanding arms, each having a chain for feeding said blanks along said arm including means for guiding said blanks along said arm, a stepped edge plate lying at an angle across said chain and a second chain operating along said edge plate and at substantially the level of said edge plate.

1,519,670. VALVE. HANS E. DANSTRUP, Brooklyn, N. Y., assignor of one-half to Joseph Harrison, Brooklyn, N. Y. Original application filed Oct. 11, 1922, Serial No. 593,845. Divided and this application filed Apr. 11, 1923. Serial No. 631,309. 2 Claims. (Cl. 251-90.)



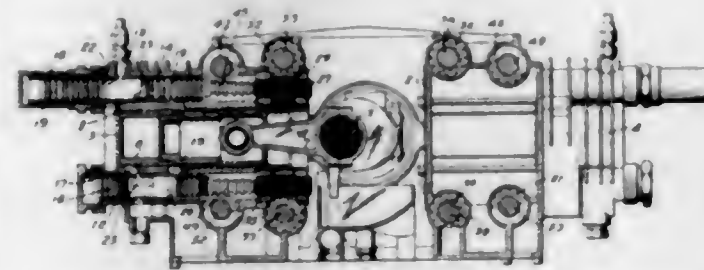
1. A revolvable valve in disk-like form having an arcuate slot and on one side an opposed, arcuate passage, and a transverse passage extended between the ends of the arcuate passage.

1,519,671. CAR SEAL. EMIL DIETZE, New York, N. Y., assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 12, 1922. Serial No. 574,491. 14 Claims. (Cl. 292-323.)



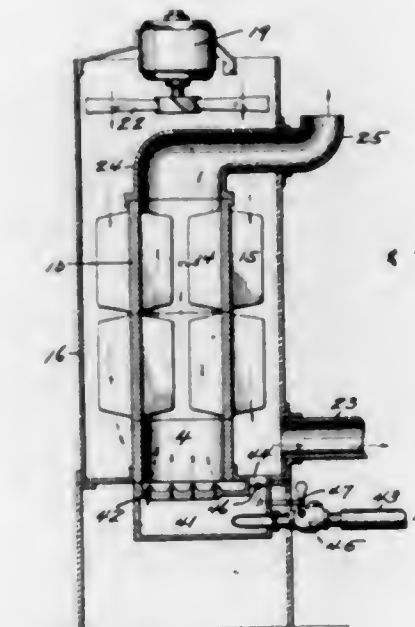
1. In a seal, the combination with a bulb or head, of a channel member consisting of parallel slotted pieces, supported rigidly within the bulb, a shackle whose ends are adapted to be inserted in the channel member, one end having a lug and engaging the channel member, and a spring catch within the bulb for interlocking both ends of the shackle and the channel member.

1,519,672. STEAM ENGINE. JOHN A. DOBLE, San Francisco, Calif., assignor to Doble Laboratories, San Francisco, Calif., a Corporation of California. Filed June 3, 1919. Serial No. 301,898. 2 Claims. (Cl. 121-125.)



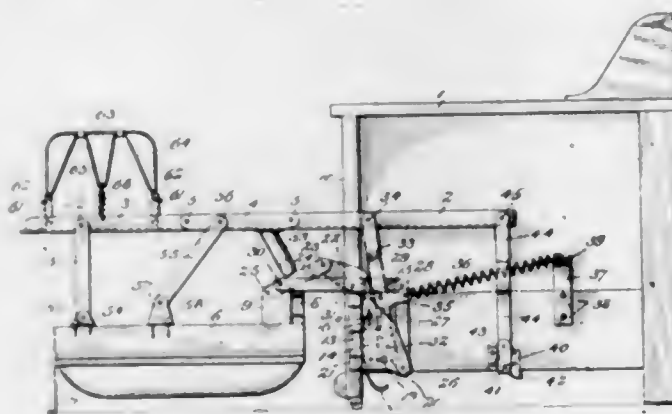
2. In a steam engine, a plurality of cylinders arranged in a row, a rotary and longitudinally movable inlet valve for each cylinder, a stem on each of said valves, a splined head on each stem, a complementary splined bushing in which each head engages, a transverse shaft geared to said bushings, a second transverse shaft, means connecting the second shaft with the valve stems whereby rocking of the shaft produces longitudinal movement of the valves, means for rotating said first shaft and means for rocking said second shaft.

1,519,673. HEATER. WARREN DOBLE, San Francisco, Calif., assignor to Doble Laboratories, San Francisco, Calif., a Corporation of California. Filed Aug. 1, 1921. Serial No. 489,037. 8 Claims. (Cl. 126-90.)



1. An air heater, comprising a heat transferring structure, a burner arranged to discharge gases of combustion in contact with one side of said structure, means for blowing air in contact with the other side of said structure whereby the air is heated and a conduit for conveying a portion of said heated air to said burner.

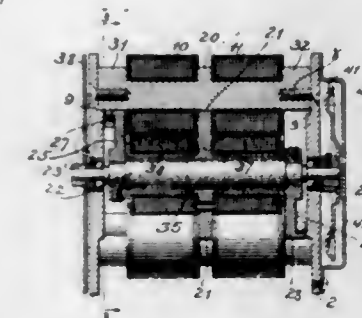
1,519,674. SOFA BED. DARRIEL F. DYKE, Chicago, Ill., assignor to The Seng Company, a Corporation of Illinois. Filed Nov. 3, 1917. Serial No. 200,019. Renewed Apr. 23, 1919. Serial No. 292,172. 10 Claims. (Cl. 5-31.)



1. In a sofa-bed, the combination with the sofa-frame, and a sofa seat invertible in front of the frame, of plates detachably connected to the ends of the frame, a front board rigidly connecting said plates, means carried by the plates adapted to invert the sofa-seat as the same is swung into and out of the sofa-frame, a folding mattress support, and means for raising, lowering, and supporting the same, said mattress-support comprising supporting-links pivotally connected to said plates and operatively connected to said seat.

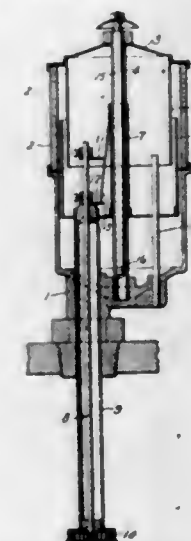
9. In a sofa-bed, the combination with a sofa-frame, a rest depending from the sofa-frame, and a mattress-support adapted to fold within the sofa-frame, of a cross-brace connecting the opposite sides of the mattress-support and adapted when the mattress-support is folded into the sofa-frame to become seated in said rest.

1,519,675. ELECTRIC MOTOR. HANNIBAL C. FORD, Jamaica, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a Corporation of New York. Original application filed Oct. 10, 1917. Serial No. 195,692. Divided and this application filed Oct. 8, 1920. Serial No. 415,577. 26 Claims. (Cl. 172-239.)



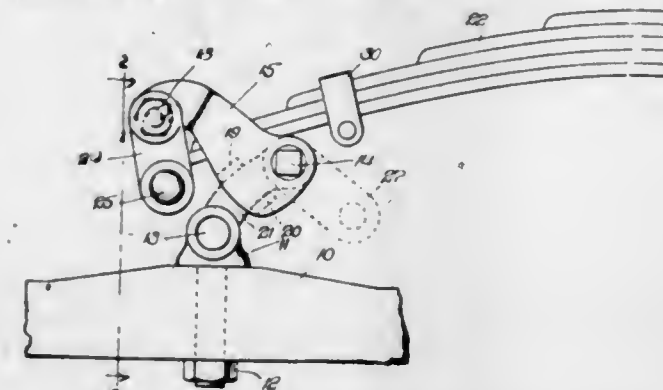
6. An electric motor having a rotary structure provided at its ends with armatures of opposite polarity and a magnetic field structure surrounding said rotary structure and comprising a set of magnets each of which has poles at its ends of like polarity adapted to cooperate with the armature.

1,519,676. TEMPERATURE INDICATOR. WARREN F. FRASER, Westboro, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 7, 1922. Serial No. 566,667. 7 Claims. (Cl. 73-118.)



1. A temperature indicator including two rotatable rod members connected by a thermostat, a second thermostat connected to one of said members, a stop carried by the other of said members, and a signaling means, said stop being arranged to control the operation of said signaling means.

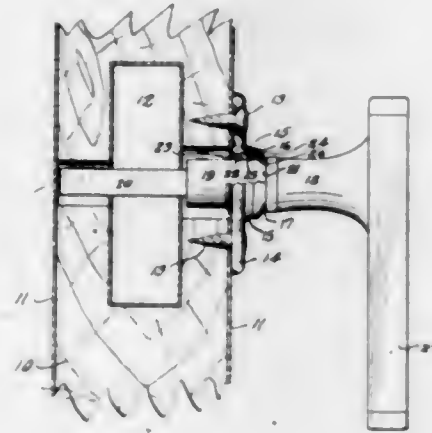
1,519,677. VEHICLE SPRING HANGER. SAMUEL FURMIDGE, Chicago, Ill., assignor of one-half to Dorr R. Close, Chicago, Ill. Filed Jan. 3, 1922. Serial No. 526,672. 1 Claim. (Cl. 267-54.)



In combination with an axle for an automobile having a socket to receive a bolt and a bolt secured therein having its upper end perforated and bent out of its axial

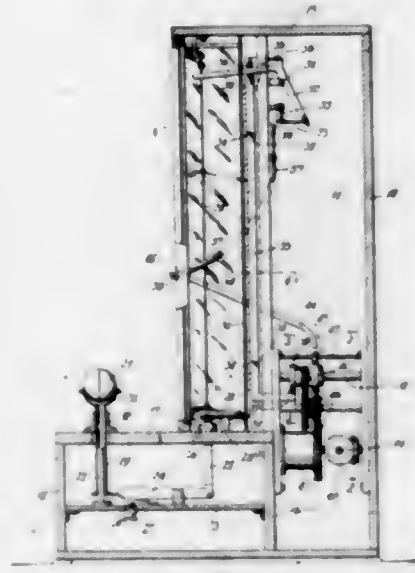
line of a pair of arms secured to the upper end of the bolt and means engaging said bolt to prevent rotation of said arms; a pair of shackle-links pivoted to said arms and a leaf spring to which the links are also pivotally connected the described support for said spring being within a vertical plane passing thru the end of the spring.

1,519,678. ADJUSTABLE ESCUTCHEON PLATE. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 29, 1923. Serial No. 628,437. 11 Claims. (Cl. 70-16.)



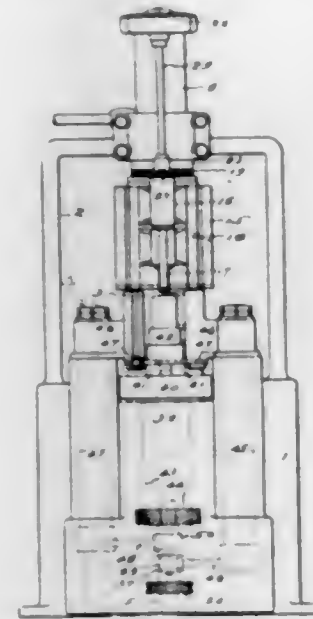
1. In a device of the character described, an escutcheon adapted to be secured to a door and provided with a substantially spherical flange having an opening therein, a collar extending through said opening and having laterally projecting portions engaging the opposite sides of said flange, and a latch spindle mounted to turn in said collar.

1,519,679. STRENGTH-TESTING AMUSEMENT DEVICE. EMIL GRAF, New York, N. Y. Filed Jan. 7, 1922. Serial No. 527,722. 5 Claims. (Cl. 265-20.)



1. In a device of the character described, a scale plate provided with graduations, a vertically extending guide adjacent said scale plate, an indicating member movable along said guide, a padded member adapted to receive a blow, means to transmit the force of said blow to the indicating member whereby it will be caused to travel upwardly along said guide and means to hold said indicating member at the upper point of its travel comprising a ratchet pawl a ratchet bar slidably mounted for longitudinal and lateral movement into and out of engagement with said pawl and means to normally hold said ratchet bar in engagement with said pawl.

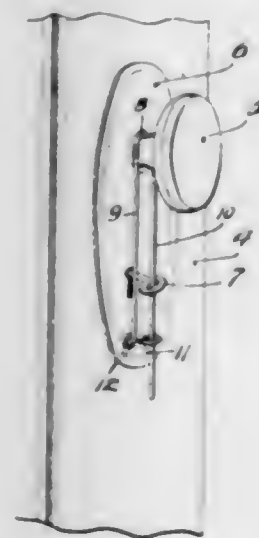
1,519,680. METAL-WORKING MACHINE. FRANK GREINER, West Hartford, Conn. Filed Jan. 11, 1924. Serial No. 685,548. 18 Claims. (Cl. 29-43.)



1. A metal working machine comprising a frame, a work holder, a vertically movable column supported and guided near each end by bearings in the frame, means for reciprocating the column, a tool head rotatably mounted upon and movable up and down with the column adjacent to the work holder, and means for rotating the tool head.

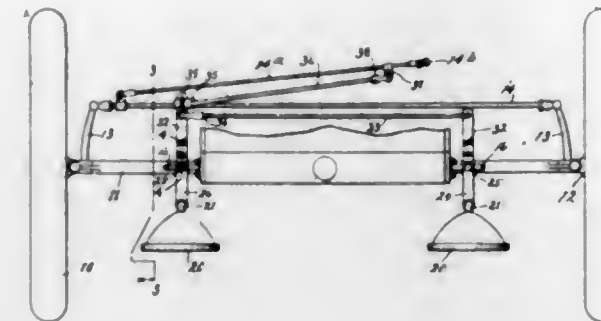
10. A metal working machine comprising a frame, a work holder, a vertically movable column supported and guided near each end by bearings in the frame, means for reciprocating the column, a tool head rotatably mounted upon and movable up and down with the column adjacent to the work holder, means for rotating the tool head, and tool holders adjustably mounted on the tool head.

1,519,681. KEY-LOCKING DEVICE. GUY O. HALE, Minneapolis, Minn. Filed Oct. 12, 1922. Serial No. 594,010. 1 Claim. (Cl. 70-65.)



A key locking device comprising a yoke-like member having a long leg and a short leg and adapted to straddle the shank of a door knob, said long leg being adapted to be inserted through the eye of a key, and a hook flexibly connected to the short leg by interlocking eyes and having detachably interlocking engagement with said long leg below the key with freedom for longitudinal sliding movement thereon.

1,519,682. DIRIGIBLE HEADLIGHT FOR MOTOR VEHICLES. JAMES P. HOLLAHAN, Jr., and JAMES F. KENNEDY, Ransom, Ill. Filed Sept. 28, 1923. Serial No. 665,380. 5 Claims. (Cl. 240-62.)



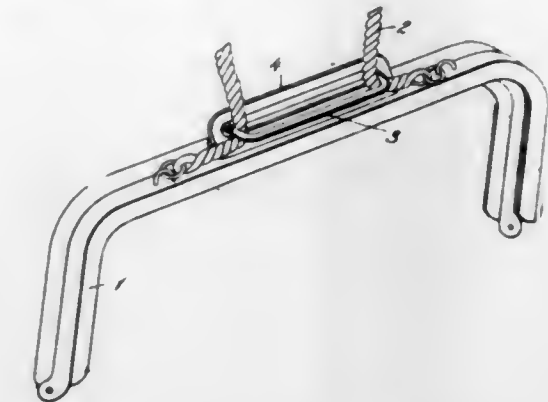
1. In a device of the class described, a pair of lamp supports, pivot members intermediate the ends of said supports, said pivot members comprising elongated sleeves adapted to be rigidly secured to the lamp brackets of a motor vehicle, and pivot pins for securing said supports to said sleeves, means for securing a light to the forward ends of said supports, means for connecting the rear ends of said supports together, and means for oscillating said supports from the steering mechanism of a motor vehicle.

1,519,683. DEMOUNTABLE RIM. ROBERT JARDINE, Chicago, Ill., assignor to Rich Tool Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,730. 9 Claims. (Cl. 301-22.)



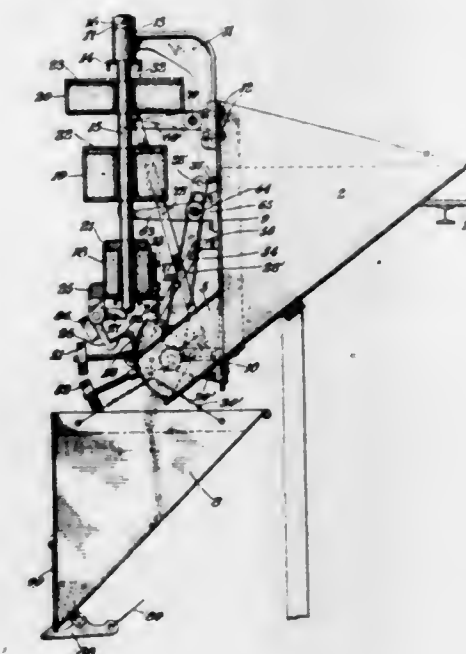
3. An automobile wheel comprising, the combination with a wheel center and a tire carrying rim therefor, the said two parts being separated at all points and having respectively an outwardly facing circumferential channel and an inwardly facing annular channel of a continuous ring band of elastic material lying in the said two channels and filling the space between the wheel center and rim.

1,519,684. HAND-BAG FRAME. JENS JOHANSEN, Jersey City, N. J. Filed Jan. 11, 1922. Serial No. 528,493. 8 Claims. (Cl. 150-42.)



1. In combination with a handbag, a frame, a carrying cord attached to said frame, means attached to said frame adapted to hold the said bag shut by spring action and to retain the carrying cord so as to lock the bag.

1,519,685. WEIGHT-CONTROLLED DISPENSING APPARATUS. NATHAN C. JOHNSON, Englewood, N. J. Filed Jan. 15, 1921. Serial No. 437,449. 18 Claims. (Cl. 249-48.)

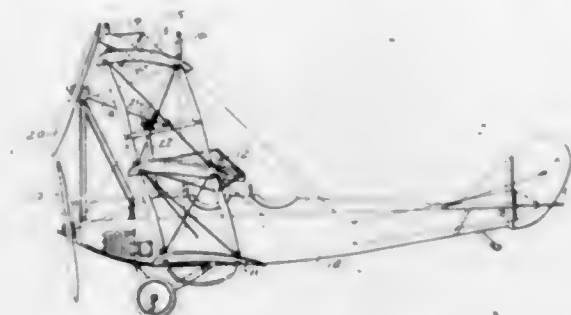


1. In apparatus of the character described, the combination of a weighing container, means for discharging a plurality of different materials from their respective sources of supply for delivery into said container, a plurality of weights for determining the relative proportions of the different materials to be delivered to the container with means for connecting them to said container so that they are sequentially rendered effective as counterweights for the container responsive to increase of weight of materials in said container, and means sequentially cutting off the discharge of the different materials from their respective sources responsive to the successive overbalancing of the weights by the container.

1,519,686. FLYING MACHINE. OLAFS ERIK JOHNSON, Elmhurst, Ill. Filed Aug. 4, 1924. Serial No. 729,878. 5 Claims. (Cl. 244-14.)

1. The combination with a flying machine, of a substantially horizontal drive shaft, a second drive shaft arranged at an angle to the horizontal, a propeller on said second drive shaft for exerting a forward and an

upward force on said flying machine, a wing for supporting said flying machine having the central portion thereof arranged to tilt into various angles relative to



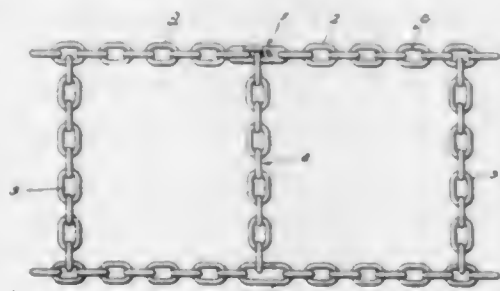
the remainder of said wing, and means for tilting said portion upwardly during the operation of said second-mentioned propeller.

1,519,687. TRIGGER-RELEASED SUPPORTING MEMBER. JOHN KLINGELE, Yakima, Wash. Filed Apr. 14, 1923. Serial No. 632,155. 11 Claims. (Cl. 248-24.)



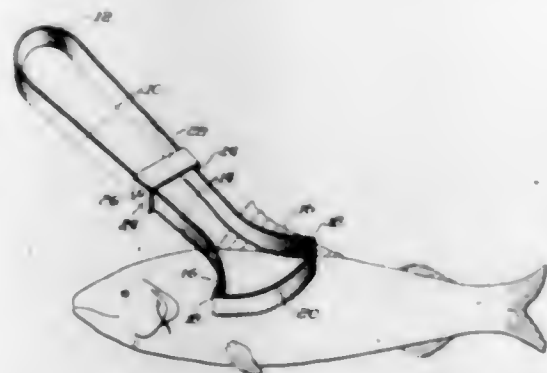
11. In a device of the class described, a support having a handle portion, a supporting hook pivoted in one portion of said support, means for holding said hook against movement and including a releasing trigger mounted on another part of said support, means to hold a receptacle carrying ball on said handle portion of said support adjacent said trigger whereby said support may be grasped with said ball and the trigger released by the same hand.

1,519,688. ANTISKID DEVICE. FENELON MCCOLLUM, Jr., Mansfield Depot, Conn. Filed Mar. 1, 1923. Serial No. 622,005. 4 Claims. (Cl. 152-14.)



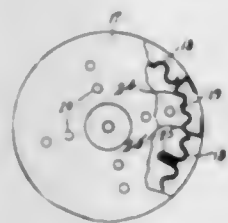
1. An anti-skid chain comprising a pair of side chains and a plurality of spaced cross chains connecting the side chains, one of the cross chains being detachable from one of the side chains, one of the side chains also being detachably linked together adjacent said detachable cross chain.

1,519,689. FISH SCALER. FRANK P. MAXSON, Chicago, Ill. Filed July 23, 1923. Serial No. 653,079. 9 Claims. (Cl. 17-7.)



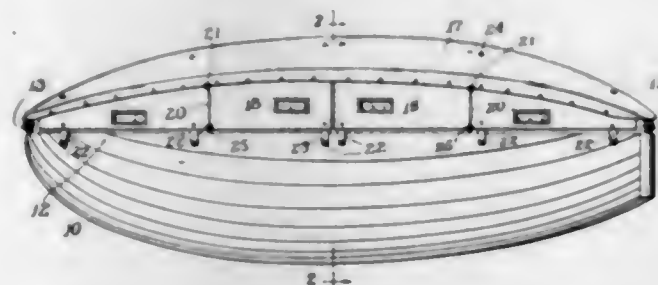
1. A fish scaler comprising, in combination, slightly converging serrated reaches diverging sharply at their ends, and an arcuate dome joining side ends.

1,519,690. WASHING MACHINE. AUGUSTUS MISCH, New York, N. Y. Filed Feb. 3, 1923. Serial No. 616,769. 2 Claims. (Cl. 68-18.)



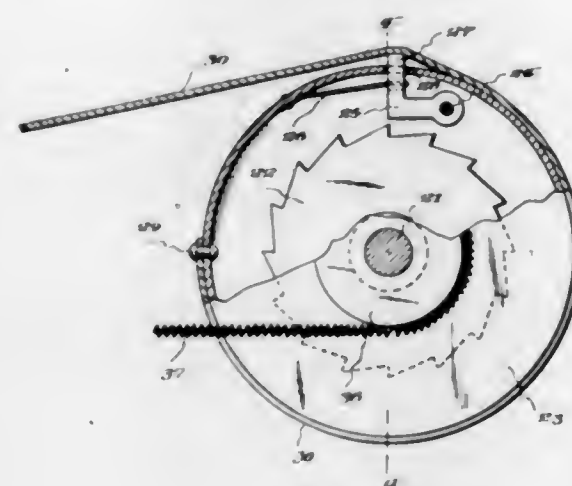
1. A drum for washing machines, comprising two heads, and spaced slats connecting the peripheral portions thereof, alternate slats being casing-like, having each a centrally disposed longitudinal slot in its outer wall and a single row of apertures in its inner wall on each side of the slot, all of the apertures in said inner wall being out of radial alignment with said slot and the two rows of apertures being symmetrically arranged in relation to said slot.

1,519,691. BOAT TOP. MOZ MIZRAHI, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,458. 3 Claims. (Cl. 135-6.)



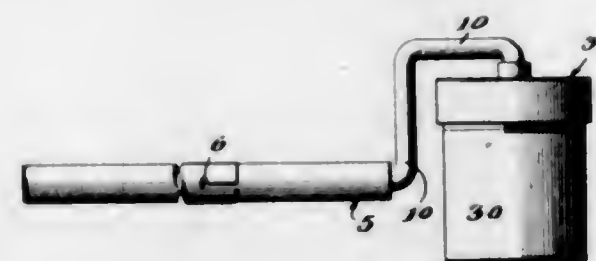
1. In a canopy adapted for use on a boat, the combination with a plurality of side bows pivoted at the ends of the boat and adapted to swing transversely thereof, of a cover supported by the bows and fastened thereto so as to limit the swing of the side bows relatively to each other, one of said side bows being adapted to lie in spaced relation to one gunwale while the other side bow lies in spaced relation to the other gunwale, and tension means secured at the sides of the boat adapted to engage said side bows to draw them with equal force toward the gunwales, thereby causing a tension in said cover and thus securing the bows in spaced relation with each other and with the gunwales and the canopy in unfolded upraised position.

1,519,692. PROPULSION MEANS FOR CHILDREN'S VEHICLES. FRED R. MOORE, Chicago, Ill. Filed Feb. 26, 1923. Serial No. 621,372. 1 Claim. (Cl. 74-54.)



A juvenile vehicle propulsion means comprising an axle having a ratchet wheel, a drum receiving the ratchet wheel, and having an L-shaped pawl to engage the ratchet wheel, said pawl being provided with an outwardly projecting branch extending through the rim of the drum, a spring normally spacing the pawl from engagement with said ratchet wheel, a flat flexible strap secured to and trained about said drum and adapted to engage said outwardly projecting branch to press said pawl into engagement with said ratchet wheel, manually operated means for operating said flexible strap, a second drum secured to one side of said first named drum, and a spring trained about said first and second named drums to wind the strap thereon.

1,519,693. ROTARY MEDICINE APPLICATOR. FRED R. MOORE, Chicago, Ill. Filed Mar. 5, 1924. Serial No. 697,090. 7 Claims. (Cl. 128-57.)

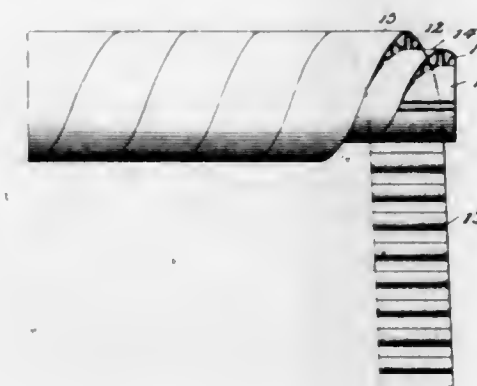


1. A combined medicant applicator and massage device comprising a drum having a bore enlarged at its ends, a plug adapted to be received in one of the enlarged ends of said bore, a shaft extending through the plug, a second plug adapted to be received in the other end of the bore of the drum, and means to secure the second plug on the shaft.

1,519,694. PIPE COVERING. VINCENT C. MUESSMAN, Long Island City, N. Y. Filed July 23, 1921. Serial No. 487,071. 5 Claims. (Cl. 154-45.)

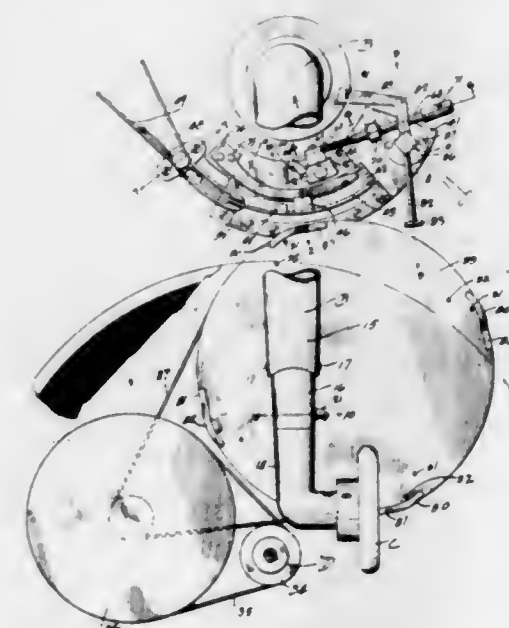
1. A tube including an inner layer of corrugated sheet material in strip form, having corrugations disposed at slightly less than right angles to its edges and extending longitudinally of the tube, and an outer layer of smooth sheet material, covering the corrugated layer.

5. An article of manufacture for making tubing comprising a strip of sheet material corrugated transversely, said corrugations running at slightly less than right



angles to the longitudinal edge of the strip, and a strip of smooth sheet material corresponding in width to the width of the corrugated strip and applied to one side.

1,519,695. REPEATING MECHANISM FOR PHONOGRAPHS. HILMER NELSON, Maryland, Pa. Filed Jan. 26, 1920. Serial No. 354,156. 16 Claims. (Cl. 274-15.)

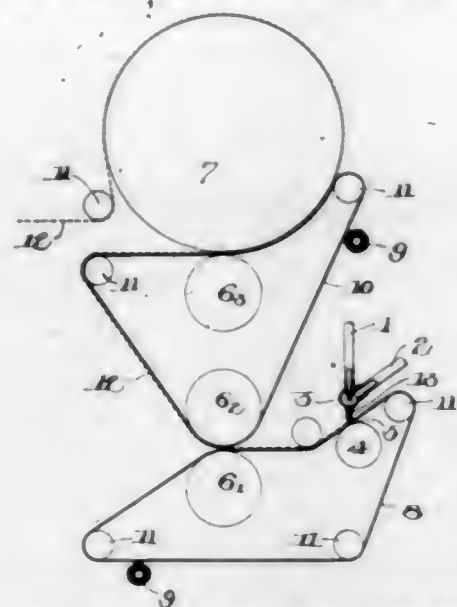


1. The combination in a phonograph having a swinging tone arm and a pivoted sound box on said arm, a lever pivoted on the tone arm and connected at one end to the sound box, power transmitting means adapted to be operated by the turntable shaft of the phonograph for engaging the lever and swinging the tone arm to its original position, resilient means arranged to operate on the lever and adapted to raise the sound box at a predetermined point, a movable member operable by the turntable shaft, and resilient retaining means on said movable member adapted to engage, swing and lower the lever at a predetermined point.

1,519,696. PAPER MACHINE. ENPEI NISHINA, Tokyo, Japan. Filed July 19, 1922. Serial No. 576,114. 6 Claims. (Cl. 92-38.)

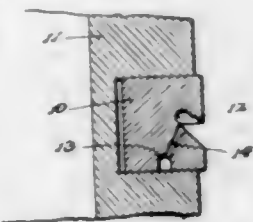
3. A paper manufacturing machine including an endless band operable at a high speed and an ejector including a box-like body, a spout formed across the lower portion thereof and having a relatively narrow mouth,

pulp conducting pipes connected with the body of the ejector, compressed air conducting pipes communicating with the body of the ejector and adapted to force pulp through



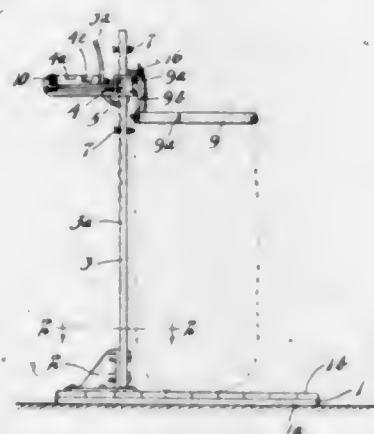
the mouth of the ejector, and the endless band and the ejector being arranged in close relation and at 45° with respect to each other.

1,519,697. PISTON RING. SAMUEL N. NORTH, Toledo, Ohio. Filed Oct. 24, 1923. Serial No. 670,522. 6 Claims. (Cl. 74-109.)



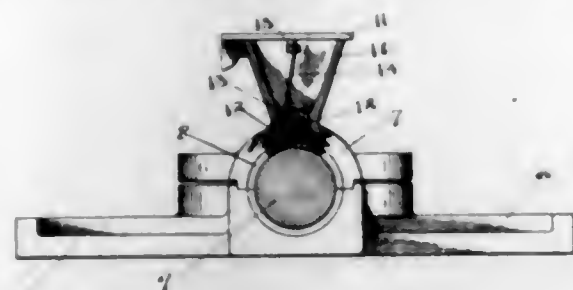
1. A split resilient piston ring having an oblique oil groove in its outer face disposed at an obtuse angle to the top face of the ring to form an oil pocket, an oil groove in the bottom face of the ring, and passages in the ring connecting said grooves.

1,519,698. BAG HOLDER. JOHN PERSON, Mora, Minn., assignor of one-half to Brother Solomonson, Mora, Minn. Filed Apr. 3, 1924. Serial No. 703,917. 12 Claims. (Cl. 83-26.)



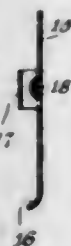
1. A bag holding device comprising a standard, oppositely disposed curved arms projecting therefrom disposed substantially in a horizontal plane with their concave sides toward each other, said arms being oscillatable about vertical pivots, resilient means normally tending to swing said arms apart, a cross head carrying said pivots having two series of holes therethrough, a pivot for each arm being insertible in different holes of one series whereby the spacing of said arms may be varied to suit different sized bags, and adjustable stops in said cross head limiting the outward movement of said arms.

1,519,699. BEARING-LUBRICATING DEVICE. MAHLON L. PETERMAN, Portland, Oreg. Filed Feb. 23, 1923. Serial No. 620,644. 1 Claim. (Cl. 184-64.)



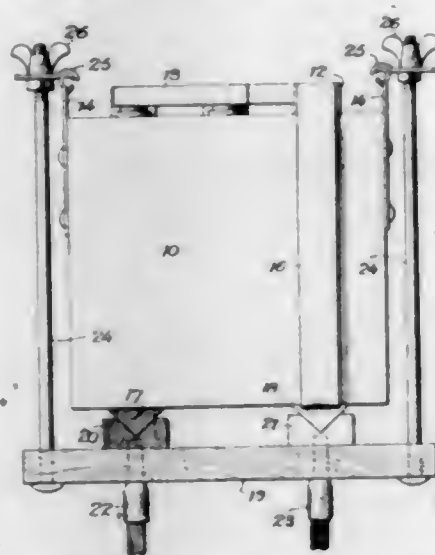
In a bearing: a cap; a shaft seat within said cap; a reservoir upon said cap; lugs within said reservoir forming therebetween a parallel sided orifice communicating with said reservoir and with said shaft seat; a folded pad of woven material adapted to be driven into said orifice; and a spring adapted to press upon said pad.

1,519,700. PEN AND PENCIL HOLDER. SILAS ISAAC PHILLIPS, Delavan, Wis. Filed July 3, 1923. Serial No. 649,310. 3 Claims. (Cl. 24-11.)



2. In a holder, a body portion, a band overlying the body portion and spaced therefrom, said body portion having fingers disposed under the band, said fingers adapted to set up a binding action with the band to hold an article supported therebetween, and said body portion having one end thereof curved inwardly.

1,519,701. STORAGE BATTERY. BENJAMIN F. POTH, New York, N. Y. Filed Feb. 7, 1924. Serial No. 691,172. 6 Claims. (Cl. 204-29.)



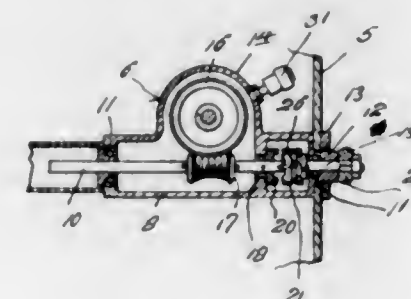
4. A storage battery and its support or holder as used in automobiles or motor cars, said battery having contact members and conductors joining the contact members with the battery terminals, and said support or holder having contact members and leads extending therefrom, positioned to receive the contact members of the battery thereagainst, said contact members being in the form of blocks presenting relatively engaging V-shaped ribs and grooves.

1,519,702. PUZZLE. OSCAR R. PREUSS, Bloomfield, N. J. Filed Apr. 15, 1922. Serial No. 552,859. 2 Claims. (Cl. 273-158.)



1. A puzzle of the class described, comprising a continuous wire bent in the form of an outline of a hand with outstretched spaced apart fingers, a two-sided flat boot-like structure suspended by a strap connecting said sides from said hand and a ring over said strap for preventing the removal of said boot from said hand except by a predetermined method, said method consisting in sliding said strap along the wire representing the fingers of said hand until in a position to pass the ring over the end of said strap so that said boot can be withdrawn from said wire.

1,519,703. DIRIGIBLE HEADLIGHT. GUST PRINKE, Butte Falls, Oreg. Filed Feb. 13, 1924. Serial No. 692,556. 1 Claim. (Cl. 240-62.)

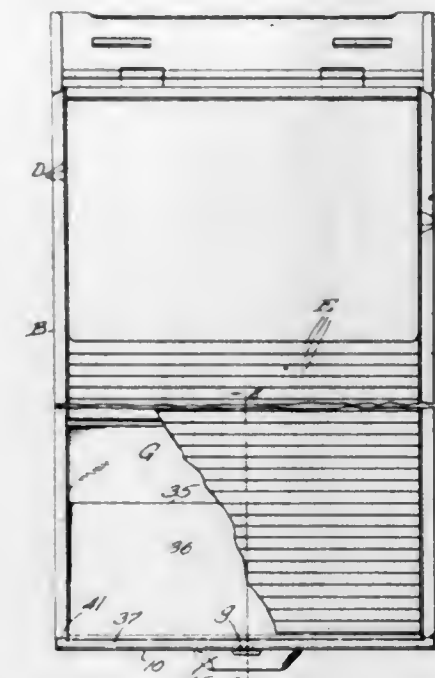


A dirigible headlight structure comprising a casing having aligned tubular end portions and an intermediately located laterally extending portion, a lamp post mounted for turning movement in the laterally extending portion of the casing, a shaft journaled for rotation in the end portions of the casing, means operatively connecting the shaft with the lamp post, a stub shaft mounted for turning movement in one of the end portions of the casing and being aligned with the said shaft, clutch members carried by the shaft and stub shaft respectively and shifting means mounted upon the intermediate extension of the casing and passing through the side of one of the end portions of the casing and engaging one of the clutch members.

1,519,704. TRAY OR SUPPORT FOR RECORD MATTER. JAMES H. RAND, JR., Tonawanda, and LOUIS C. BROECKER, Buffalo, N. Y.; said Broecker assignor to said James H. Rand, Jr. Filed Oct. 26, 1923. Serial No. 670,837. 28 Claims. (Cl. 129-16.)

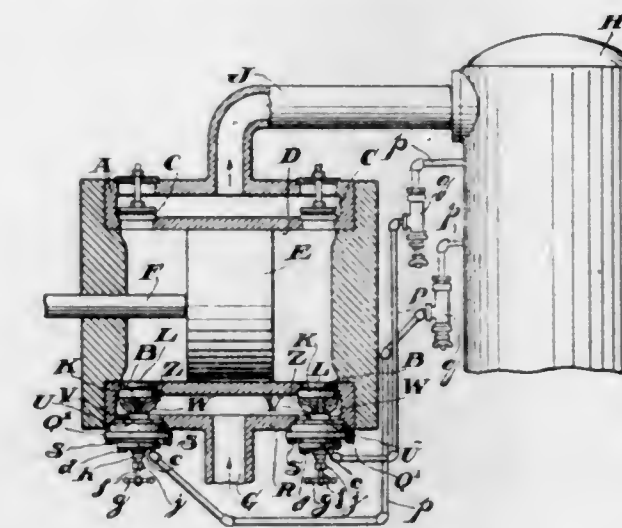
1. In a card index tray for supporting a plurality of cards in overlapping relation, the combination with a part for supporting said cards, retaining and guiding means on said part for retaining said cards on said tray, and guiding them in sliding movements on said tray, of an end member, adapted to extend across and form an end wall on said tray, and a reinforcing member connected to said end member and having means spaced from and adapted to reinforce said end member.

22. In a container for record matter, the combination of a record-supporting part, an end wall having an attaching portion connected to a portion of a surface of



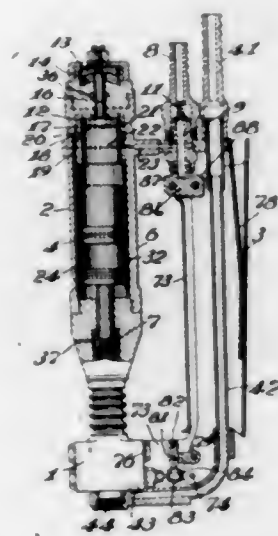
said record-supporting part and a hand pull at the exterior of said end wall and having a part extending inwardly beyond said end wall and directly connected to said surface of said record-supporting part.

1,519,705. UNLOADER. SNOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 22, 1923. Serial No. 676,298. 2 Claims. (Cl. 230-24.)



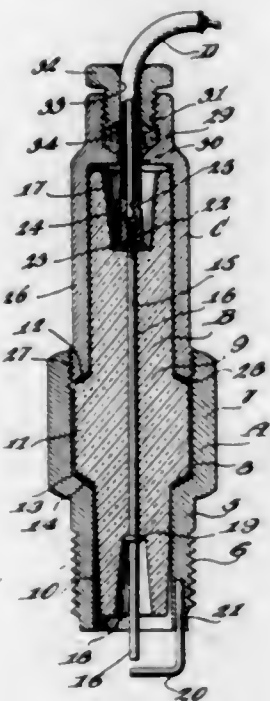
1. Unloading mechanism for compressors, comprising in combination, valve mechanism controlling the inlet to the compressor, a cover adapted to be secured to the compressor cylinder casing, a cylinder in the cover adapted to hold the valve mechanism in place in the compressor cylinder wall, a piston in said cylinder having fingers adapted to unseat the compressor valve, a plate secured to said cover and closing one end of said cylinder, a passage leading from the outside of the said plate to the space between said plate and said piston for admitting pressure fluid to the piston for unseating said valve, a spring for holding the piston normally in its inward position in said cylinder, sealing means between said cover plate, unloader cylinder and cover to prevent the escape of pressure fluid therebetween, and a manually operable plunger extending through said plate for actuating the piston to unseat the compressor valve.

1,519,706. LUBRICATING DEVICE. ALEX. L. ROBB, Fresno, Calif., assignor of one-fourth to Ollie D. Carter and one-fourth to Clarence H. Spekker, both of Fresno, Calif. Filed Mar. 28, 1922. Serial No. 547,588. 7 Claims. (Cl. 103-3.)



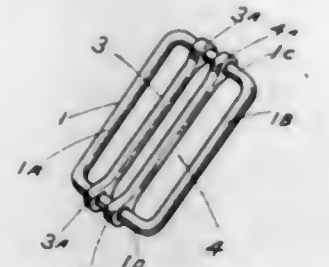
1. A power driven pump of the character described having means associated therewith for reversing its action, actuating means for the reversing mechanism, and means associated with said actuating means for disconnecting the power while the reversal is effected.

1,519,707. SPARK PLUG. NATHANIEL H. RUSSELL, Chicago, Ill. Filed Dec. 16, 1920. Serial No. 431,206. 4 Claims. (Cl. 123-169.)



1. A spark plug comprising in combination a metallic shell, a body of insulation arranged in the shell and projecting outwardly from one end thereof, an electrode carried by the body of insulation, an electrode carried by the shell, a metallic housing carried by the shell, enveloping the upper end of the body of insulation and including a cylindrical body and an integral head formed on the upper end of the body overlying the upper end of the body of insulation, a packing gland carried by the head and disposed in direct alignment with said electrode carried by the insulating body, and an electric insulated conductor wire extended through said packing gland and conductively connected to said insulated body carried electrode.

1,519,708. MACHINERY-BELT FASTENER. JESSE TAPP and WILLIAM EDWARD SHORT KNIGHT, Dunedin Otago, New Zealand. Filed July 23, 1923. Serial No. 653,315. 2 Claims. (Cl. 24-31.)



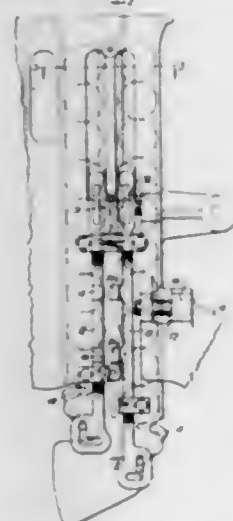
1. A belt fastener, comprising, a rectangular frame positioned in a single plane, and two members each slidably connected to two sides of the frame, parallel to the two other sides of the frame, and positioned in the plane of the frame.

1,519,709. CHAIN CLAMP. OLE VICTOR, Chicago, Ill. Filed Aug. 4, 1923. Serial No. 655,592. 2 Claims. (Cl. 24-69.)



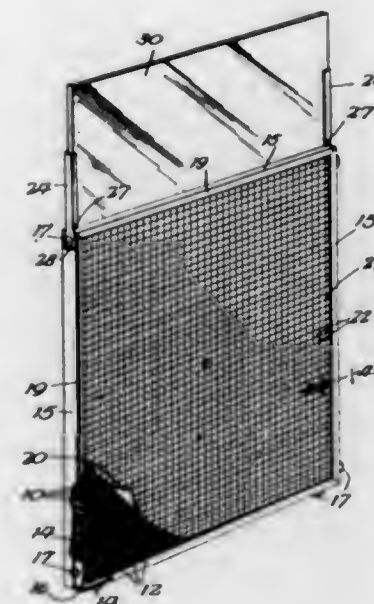
1. A chain clamp of the character described comprising a chain having a swivel clevis carried at one end thereof, a semi-circular lock hook attached to the clevis, an elongated lever having a curved end pivotally attached to the said lock hook, an adjustable hook, a swivel connected to the adjustable hook and formed with a loop to engage the curved ends of said lever and lock hook, the said adjustable hook being adapted to receive the opposite end of the chain, said elongated lever having a notch therein at the end opposite to that where the same is curved, a second loop carried by said chain and adapted to engage over the end of said lever and in said notch, and a member pivoted to said lever for engaging over said second mentioned loop.

1,519,710. DEVICE TO PREVENT ROLLING OF BOBBINS. WALTER H. WAKEFIELD and LOUIE F. HOFFMAN, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester Mass., a Corporation of Massachusetts. Filed Feb. 25, 1924. Serial No. 694,877. 18 Claims. (Cl. 139-245.)



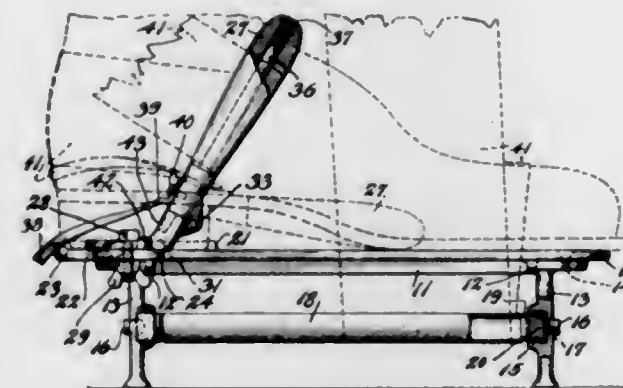
1. In a weft replenishing mechanism for looms, a compartment for the heads of the bobbins having a fixed and a relatively movable wall, means to move said movable wall substantially longitudinally of the axes of the bobbins, and means carried by said movable wall to engage the heads of the bobbins and force the same laterally against the fixed wall.

1,519,711. GAME BOARD. BERT A. WITHEY, Chicago, Ill. Filed May 28, 1923. Serial No. 641,879. 16 Claims. (Cl. 273-136.)



1. A board the body of which includes a series of rigid and spaced parallel strips, a second series of rigid and spaced parallel strips intersecting and closely fitting the first said strips and forming therewith a plurality of closely arranged open cells, and destructible covers extending over the cells and forming closures therefor.

1,519,712. COLLAPSIBLE SHOE SHINER. EDWARD JAMES YOUNG, Milwaukee, Wis. Filed Mar. 17, 1924. Serial No. 699,915. 14 Claims. (Cl. 15-266.)

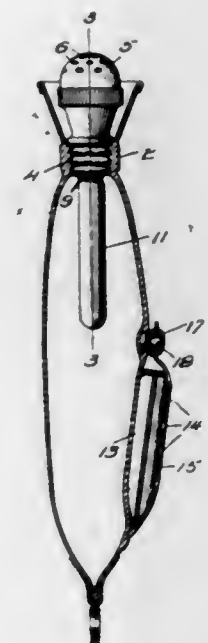


1. In a shoe shiner, a foot plate, parallel rollers having fixed bearings beneath said plate, roller bearings mounted at opposite sides of the upper face of the plate adjacent the heel portion thereof and constructed to fold from a substantially vertical position into a horizontal plane, and rollers upon said bearings adapted to receive a polishing cloth.

1,519,713. MEDICINAL VAPORIZER. NELLIE G. ADKINS, St. Marys, W. Va. Filed Dec. 27, 1923. Serial No. 682,973. 6 Claims. (Cl. 128-258.)

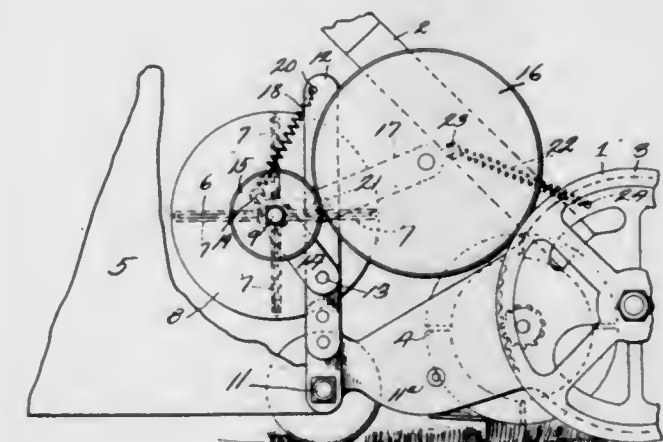
2. A hot water bottle having a medicament holder provided with outer apertures associated therewith.

means in the holder providing a dam between the apertures thereof and the medicament therein, and said medicament susceptible to the influence of the heat in



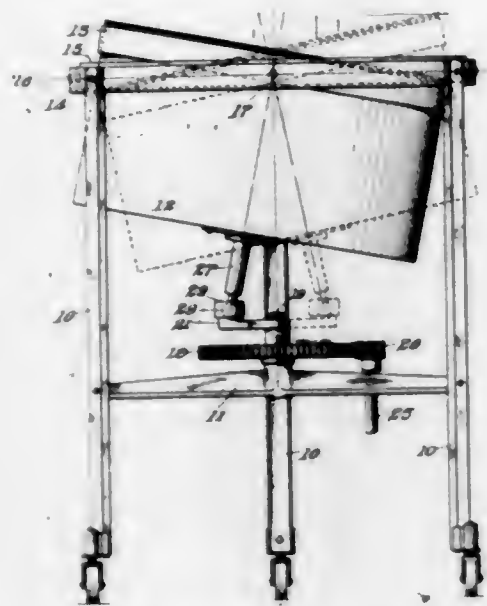
the hot water bottle to liquefy the same to cause the fumes therefrom to be diffused through the apertures in the holder.

1,519,714. LAWN-MOWER ATTACHMENT. WILLES W. ALLEN, Bakersfield, Calif. Filed Jan. 8, 1924. Serial No. 685,016. 2 Claims. (Cl. 56-199.)



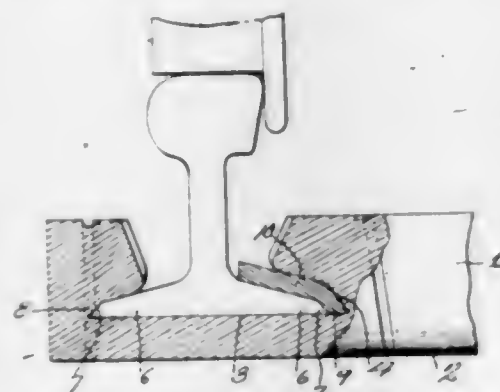
1. The combination with a lawn mower having ground engaging wheels and a collecting basket rearwardly of said lawn mower, of a fan carried by said lawn mower and adapted to direct a blast of air rearwardly into the basket, vertically disposed brackets mounted on the lawn mower, rearwardly and upwardly extending arms pivoted to said brackets, bearings on said arms, a shaft carrying said fan rotatably mounted in the bearings of said arms, a friction wheel carried by said shaft, a forwardly and upwardly extending arm pivotally carried by one of the brackets at one side of the mower, a second friction wheel pivotally mounted on said forwardly and upwardly extending arm, and spring means for maintaining the friction wheels in close engagement with each other and the second friction wheel in close engagement with one of the ground engaging wheels.

1,519,715. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill. Filed June 18, 1924. Serial No. 720,727. 9 Claims. (Cl. 259-72.)



1. In a washing machine, a tub, means at the upper part of the tub for supporting the same for tilting movement in all directions while leaving the tub unobstructed from above, and means operable from below said supporting means for effecting the universal tilting of the tub on the supporting means.

1,519,716. RAIL JOINT. JOSEPH S. BEAN, Mill Village, N. H. Filed May 13, 1924. Serial No. 713,035. 1 Claim. (Cl. 238-270.)

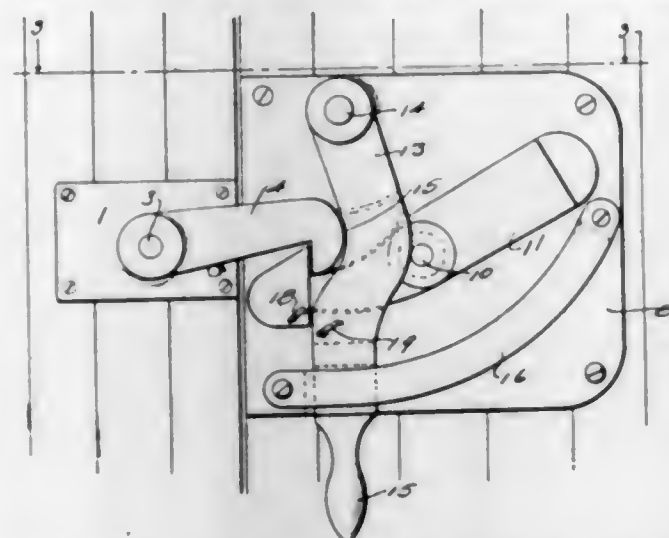


A rail joint comprising a railway tie, adjacent abutting rail ends disposed in a recess in the end of said tie, flanges carried by said rails and disposed in channels in the walls of the recess of the tie, the outer edges of said flanges being bevelled, the outer flanges of the rails having their bevelled edges in engagement with a bevelled surface at the outer end of the channel of the recess, an angularly shaped tapered wedge having a narrow and a wide flange, said narrow flange of the wedge engaging a bevelled surface in the other channel and the bevelled edges of the flanges of the rails at the inner sides of the rails, said wide flange of the angularly shaped wedge overlying the upper sides of the inner flanges of the adjacent rails and the upper wall of the tie recess.

1,519,717. FREIGHT-CAR-DOOR LOCK. ARTHUR J. BILODEAU, Melbourne, Quebec, Canada. Filed July 23, 1923. Serial No. 653,340. 3 Claims. (Cl. 292-100.)

1. A freight car door lock comprising a pivoted latch provided with a latch hook, a locking lever pivotally mounted intermediate its ends and having one end equipped with a locking hook adapted to engage said latch hook, an operating arm swingingly mounted and equipped with a longitudinal slot adapted to receive

the opposite end of the said locking lever, the said slot being longer than the width of the lever, and a wedge member carried by the said latch member and



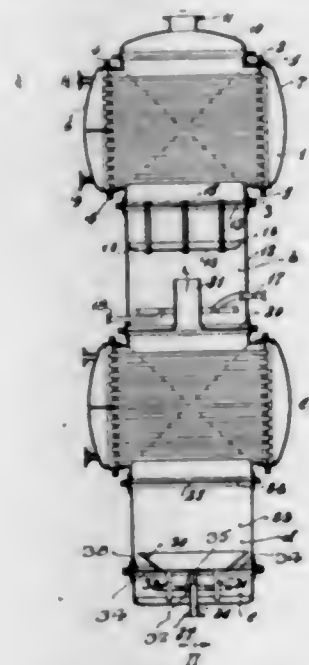
adapted to be extended into the said slot in the operating arm, when the latter is swung to a position to embrace the hook end of the said operating arm.

1,519,718. SNOWPLOW. MARK BLAIR, Springfield, Mass. Filed June 14, 1924. Serial No. 720,062. 2 Claims. (Cl. 37-53.)



1. A snow plow of the character described comprising a body portion formed substantially semi-circular in cross section, a slotted top therefor, and a handle member having portions passing through the slots.

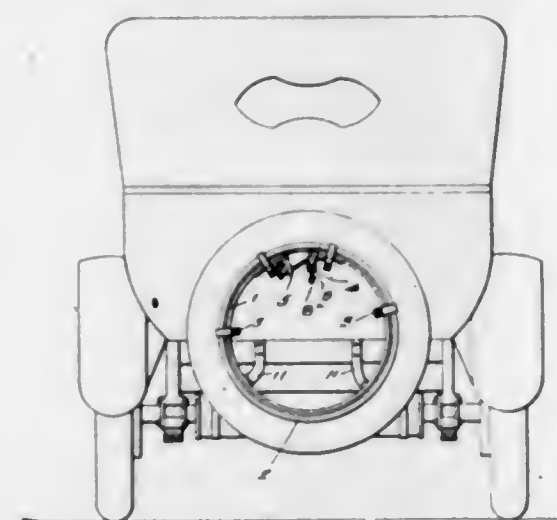
1,519,719. DEPHLEGMATOR. DAVID CHARLES BRANSON, Balikpapan, Borneo, Dutch East Indies. Filed July 19, 1922. Serial No. 576,103. 6 Claims. (Cl. 196-139.)



1. A dephlegmator including a vertical column having a vapor inlet at its lower end and a vapor outlet at its upper end, superposed cooling compartments arranged in said column and each having a group of superposed

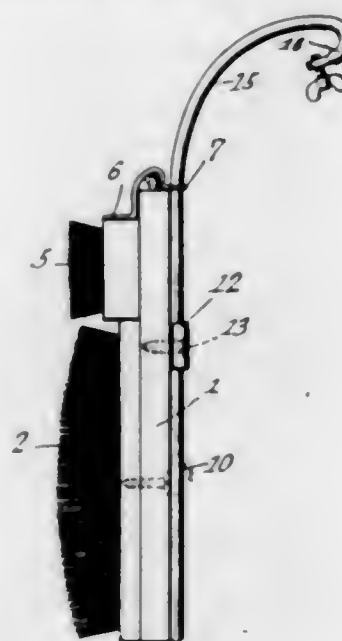
horizontally arranged tubes, means for introducing a cooling fluid into and discharging said fluid from said tubes, a combined vapor and condensate chamber arranged between said cooling compartments, the lower end of each cooling compartment being open to permit vapors rising in the column to contact with said tubes in their vertical movement and condensation formed by this cooling to be showered down on the vertically rising vapor, and means for heating the condensate deposited in the combined vapor and condensate chamber.

1,519,720. TIRE RACK. FREDERICK W. BURCH, Pueblo, Colo. Filed Feb. 11, 1922. Serial No. 535,875. 11 Claims. (Cl. 224-29.)



1. A tire rim rack comprising a split carrying ring, means for securing a tire rim thereon with the split in the ring adjacent the split in the rim, means carried by the ends of said ring for moving one of the ring ends radially out of alignment with the other, and other means associated with said first named means for moving one of said ring ends circumferentially relative to the other.

1,519,721. BATH BRUSH AND HOLDER. NICHOLAS BERKART, Los Angeles, Calif. Filed Jan. 23, 1924. Serial No. 688,011. 2 Claims. (Cl. 15-246.)

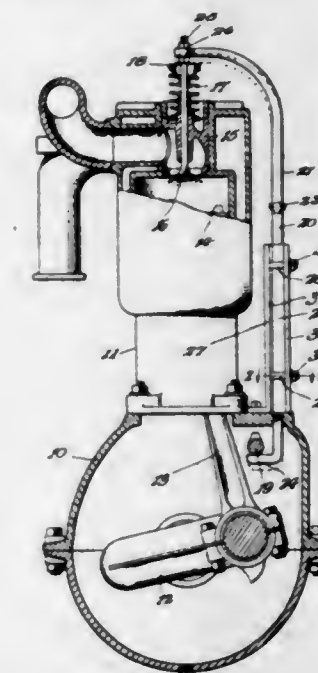


1. A bath brush holder comprising a plate having brush holding means on its front face and an attaching device secured to its rear face and made in the form of a heavy wire loop with a clip connecting the members

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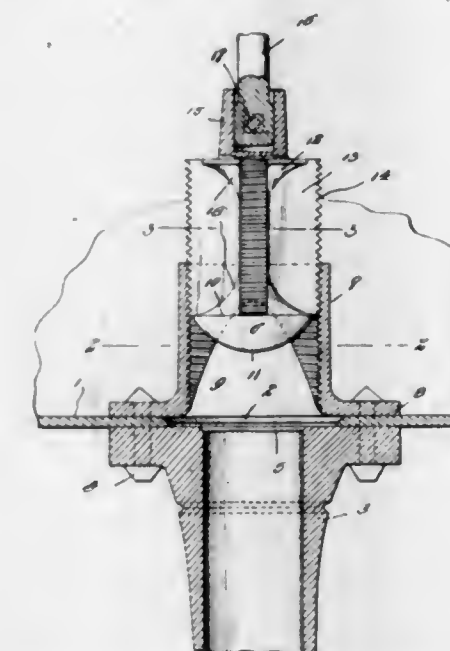
of said loop, said members diverging at their free ends, said diverging ends extending beyond one end of said plate and being curved rearwardly and provided with turned hooks to engage a support, the free ends of said hook being equipped with thumb screws.

1,519,722. VALVE-ACTUATING MECHANISM. MAX E. CRANDALL, Kingfisher, Okla. Filed Apr. 9, 1924. Serial No. 705,315. 3 Claims. (Cl. 123-90.)



1. In an internal combustion engine, a crank case, a cylinder associated therewith, a valve in the head of said cylinder, a plate upstanding from the crank case, a rod extending from the crank case to abut said plate limited thereby against rotation and disposed to react with the valve for opening the valve, and means for actuating said rod.

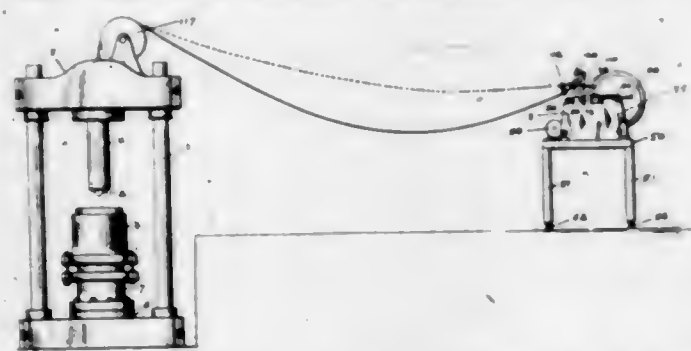
1,519,723. VALVED-OUTLET EQUIPMENT FOR TANK CARS. THOMAS J. ENTWISLE, HENRY P. O'MARA, and JOSEPH W. DONNELLY, New Orleans, La.; said Donnelly and said O'Mara assignors of eleven forty-eighths to said Entwisle and one-sixteenth to Edward L. Martin, New Orleans, La. Filed July 1, 1922. Serial No. 572,271. 2 Claims. (Cl. 137-21.)



1. A valve for tank cars comprising a valve body structure mounted in an opening in the bottom of the tank, having an annular valve seat formed therein, and

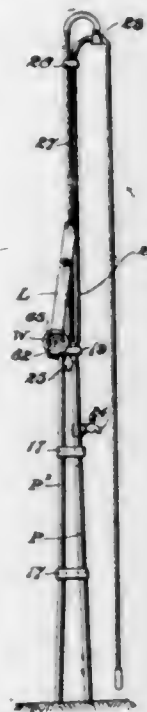
also having a threaded sleeve arranged concentrically of the valve seat and of a larger diameter than said seat, a valve having a cruciform portion, the edges of the webs of said cruciform portion being formed for threaded cooperation with the threaded sleeve of the body structure, and one end of said cruciform portion having a partial spherical projection extending therefrom and adapted to engage beyond the seat, and operating means for rotating the valve in the sleeve for seating or unseating it, whereby the partial spherical projection will have universal seating cooperation with the valve seat, and the cruciform portion extending beyond the seating portion, directing the seating pressure substantially in the line of the circumference of the valve seat, and concentric with the axis of the valve.

1,519,724. APPARATUS FOR MAKING LEAD PIPES. FRANK B. EWELL, Rochester, N. Y. Filed Dec. 22, 1922. Serial No. 608,584. 12 Claims. (Cl. 217-5.)



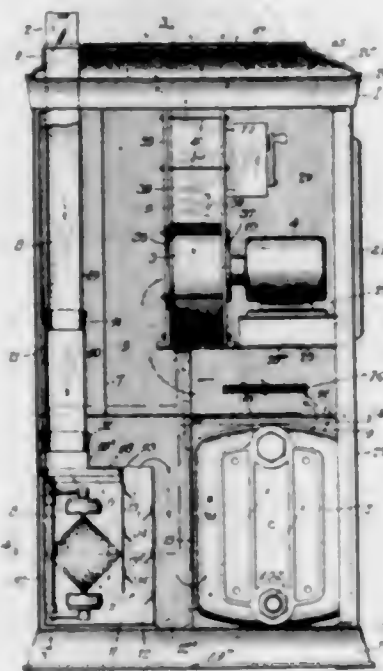
1. In a lead pipe machine, the combination of a pipe making device, capable of making lead pipe, a spool over which the pipe passes from the plunger when made, a winding apparatus for winding up the pipe, a controlling mechanism for said winding apparatus and operated by the weight of a predetermined length of the lead pipe formed by said pipe making device and stretched between said pipe making device and said winding apparatus.

1,519,725. AIR, WATER, AND LIGHT SERVICE TOWER. GEORGE E. FARLEY, Los Angeles, Calif., assignor to Service Equipment Company, Huntington Park, Calif., a Corporation of California. Filed Jan. 12, 1922. Serial No. 528,724. 7 Claims. (Cl. 299-77.)



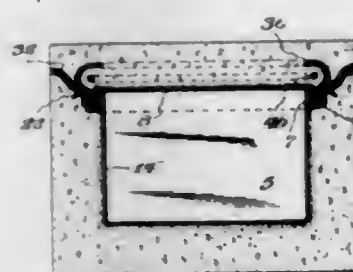
1. A service tower comprising a plurality of pipes arranged and secured together to provide a standard, a member rotatably sustained on the pipes, a weighted lever pivotally supported on the member, a yoke carried by the lever, and a hose carried by the yoke and constituting an extension of one of said pipes.

1,519,726. AIR-WASHING AND VENTILATING MACHINE. HERMAN FREGIN, Chicago, Ill., assignor to D. M. O'Neil, Chicago, Ill. Filed Mar. 3, 1919. Serial No. 280,224. 3 Claims. (Cl. 183-23.)



1. An air washing and moistening device, comprising in combination an air passageway, means for propelling air therethrough, closure means for said passageway, means for spraying the air in said passageway to wash and moisten the same, means for controlling the supply of water to the spraying device, and a manually operable member connected to both said closure means and said last-mentioned means, whereby their control is coordinated and their respective opening and closing rendered simultaneous.

1,519,727. BURIAL VAULT. ALBERT C. FRITZ, Evergreen Park, Ill. Filed Mar. 7, 1924. Serial No. 697,590. 6 Claims. (Cl. 72-7.)

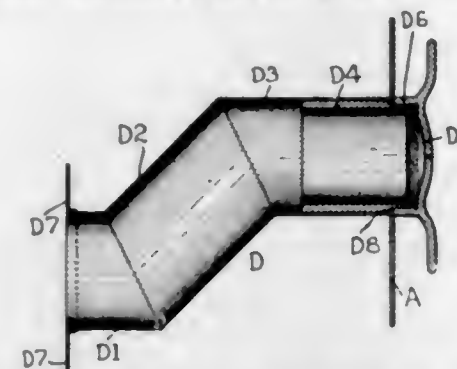


1. A casket comprising a concrete body, a sheet metal lining, for the body, a slow drying composition arranged between the body and the lining the upper portion of the lining being provided with an outwardly arranged depending channel shaped member, and a cover plate arranged on the upper edge of the body and engaged with the outer wall of the channel member and being provided with an anchoring flange imbedded in the concrete member.

1,519,728. AUTOMOBILE FUEL TANK. FRED WILLIAM FUREN, St. Petersburg, Fla. Filed Oct. 24, 1923. Serial No. 670,593. 2 Claims. (Cl. 220-86.)

1. In an automobile, the combination with a side wall and a seat and a stationary tank located under the seat, of a relatively weak sheet metal tubular structure joined to and communicating with the tank and leading thence upward and outward through the side wall, said tubular

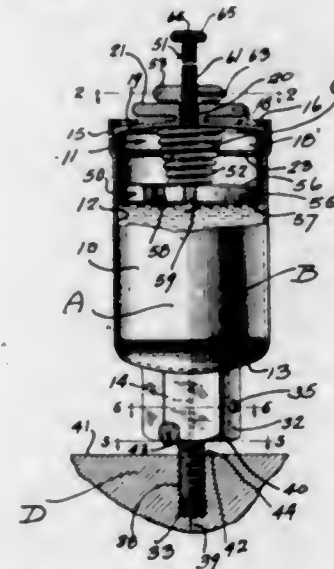
structure comprising a horizontal section attached to a tank, an oblique section attached to said horizontal section, an upper horizontal section attached to said oblique section, a throat piece in the upper section to give strength to said section, and a cap on said throat piece, substantially as described.



1,519,729. RUBBER COMPOSITION. GEORGE W. GISH, Atlanta, Ga. Filed Apr. 23, 1920. Serial No. 376,067. 2 Claims. (Cl. 106-23.)

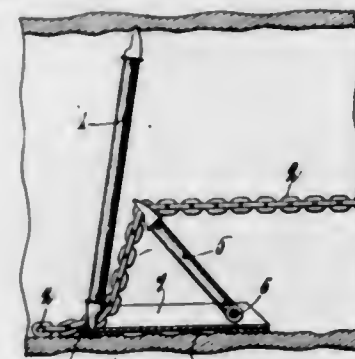
1. A composition of matter consisting of coarse para rubber, first latex rubber, mineral rubber, rubber solution and sulphur flour.

1,519,730. COMPRESSION GREASE CUP. NORMAN E. GUTHRIE, Yorba Linda, Calif. Filed Aug. 9, 1921. Serial No. 490,930. 6 Claims. (Cl. 184-48.)



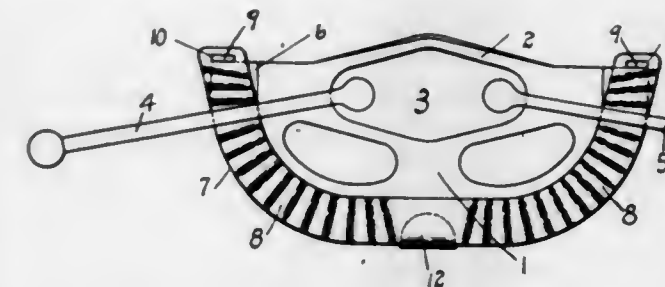
1. A grease cup, comprising in combination a casing having entrance and exit apertures therein, the upper circumferential edge of said casing adjacent said entrance aperture having spaced notches therein, a cap for closing said entrance aperture, and means adjustably mounted on said cap for engaging in the notches of said casing to prevent accidental removal of the cap.

1,519,731. MINING APPARATUS. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 4, 1922. Serial No. 579,755. 13 Claims. (Cl. 262-5.)



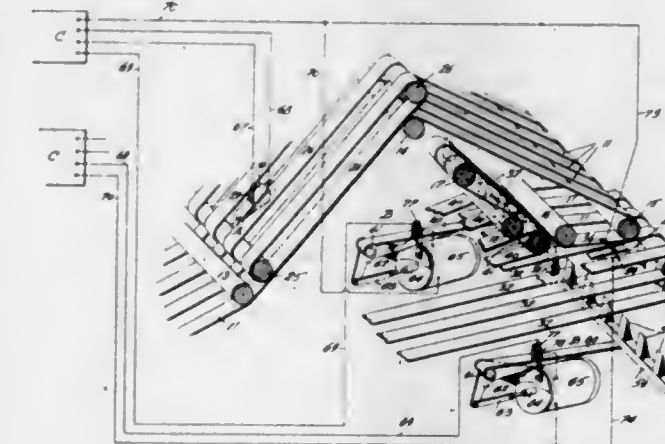
11. In an abutment device, a base, a holding jack, and a pivoted jack for varying the elevation of a member connected to said holding jack.

1,519,732. REMOVABLE RATCHET PLATE FOR ACCELERATOR LEVERS OF AUTOMOBILES. ALBERT KIMMERLE, St. Clairsville, Ohio. Filed May 16, 1923. Serial No. 639,423. 2 Claims. (Cl. 74-39.)



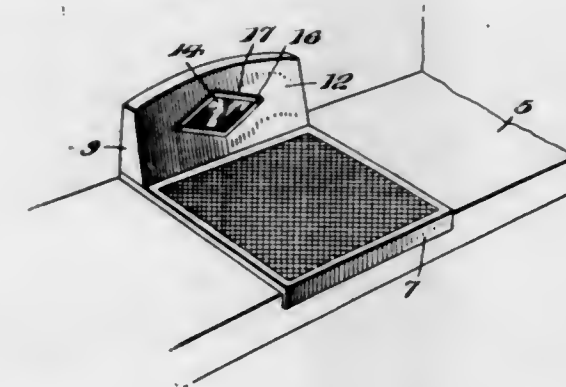
1. A removable ratchet plate for accelerator levers of automobiles of the character described, comprising a supporting bracket provided with an integral ratchet thereon in connection with which the accelerator levers operate, in combination with an independent ratchet plate, and means for holding the same on the integral ratchet part on said supporting bracket.

1,519,733. FOLDING MACHINE. LEO M. KOHN, New York, N. Y. Filed Sept. 9, 1921. Serial No. 499,385. 14 Claims. (Cl. 270-81.)



1. In a folding machine, the combination of means for carrying the articles to be folded through the machine, a folding mechanism comprising a plurality of sections arranged in alignment transversely of the direction of movement of said sheets and in operative relation to said carrying means, and means actuated by articles passing to said folding mechanism for causing two or more of said sections to act simultaneously to effect the folding of said articles.

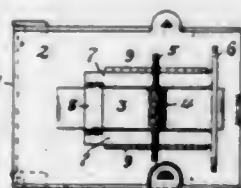
1,519,734. FOOTPLATE LIGHT. KLEMENS KOMACKI, Chicago, Ill. Filed Feb. 7, 1924. Serial No. 691,138. 5 Claims. (Cl. 240-7.)



1. An article of the class described comprising a base plate adapted to be arranged upon the running board of a motor vehicle, an illuminator casing secured to the inner portion of the base plate and having triangular end walls

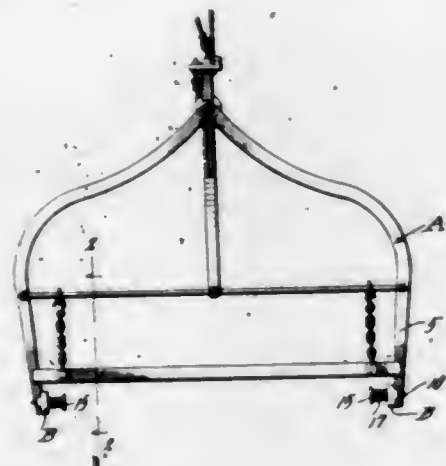
and a front wall arranged at an obtuse angle to the plane of the base plate whereby blows striking the front wall are glanced off, said front wall being provided with a lens, a pair of ribs carried by the front wall and arranged within the casing, a socket carried by one of the ribs, and a source of light connected to the socket.

1,519,735. SWITCH-BOX BRACKET. EDWARD H. KAUSE, Fort Wayne, Ind. Filed Oct. 15, 1923. Serial No. 668,522. 3 Claims. (Cl. 297-21.)



1. In combination, a switch box having in its top and bottom an outlet portion centrally disposed and extending from a point near the back of the box to a point near the front thereof, each portion having a transversely disposed pocket formed therein; a bracket for the top and bottom, each bracket having parallel base members spaced apart and an arched connection at their rear ends, there being along the outer edge of each base portion an escalloped ridge; and a removable pin extending through each pocket, its ends having engagement with the ridges of the corresponding bracket and holding the base of the bracket astride of the corresponding outlet portion.

1,519,736. COMPENSATING GRAB PLATE. CHARLES WESLEY LEWIS, Portsmouth, N. H. Filed June 14, 1924. Serial No. 720,092. 6 Claims. (Cl. 294-112.)



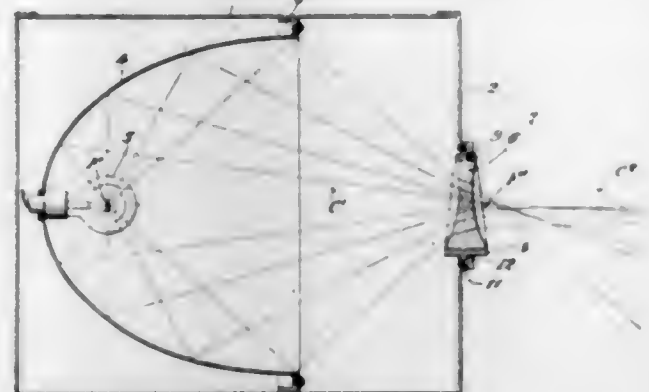
1. In combination a grappling mechanism including a plurality of pairs of grappling arms movable toward and away from each other, a grab plate connecting the arms of each pair of arms together, and means carried by the grab plates for compensating for different lengths of ties.

6. In a grappling mechanism, a concavo-convex-shaped work engaging cup having its inner face at the periphery thereof provided with a cutting edge.

1,519,737. LIGHT PROJECTOR. EDWARD LYNDON, New York, N. Y. Filed Oct. 6, 1921. Serial No. 505,688. 6 Claims. (Cl. 240-41.)

1. In a headlight, in combination, a reflector having the conformation of a semi-ellipsoid of revolution, a source of light at one of the foci, said headlight including a casing having a forward end extending between the two foci of the ellipsoid, a lens of small

aperture disposed in the center of said forward end and intercepting substantially all of the directly reflected rays from the reflector, said lens being bi-concave in



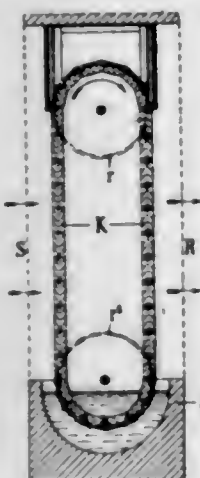
vertical cross-section, the centers of curvature of the two faces being above the focal plane of the ellipsoid, so that the lens is thicker at its bottom than at its top.

1,519,738. HOG-RING HOLDER. WILLIAM L. MCGOWAN, Galt, Mo. Filed Sept. 11, 1923. Serial No. 662,156. Renewed Oct. 10, 1924. 2 Claims. (Cl. 206-46.)



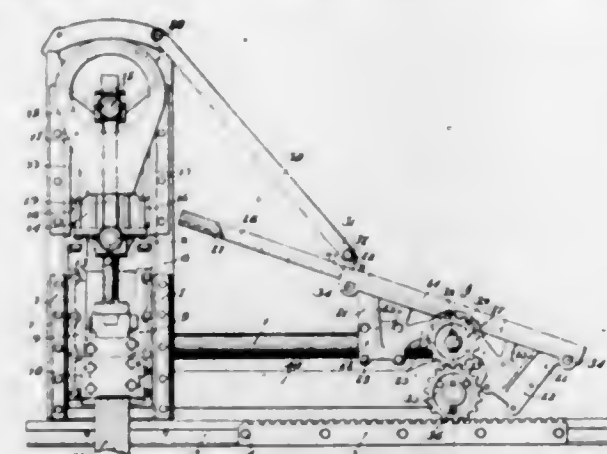
1. A hog ring holder comprising an elongated member adapted to receive a plurality of hog rings, means at one end of said member for preventing the rings from coming off said end of the member and a centrally disposed struck out angularly shaped spring tongue carried by the other end of the member and forming means for preventing the rings from coming off said other end of the member.

1,519,739. AIR FILTER. FRIEDRICH AUS DER MARK, Essen-Altenessen, Germany, assignor to Firm of K. & Th. Möller Gesellschaft mit beschränkter Haftung, Brackwede, Germany. Filed Mar. 29, 1923. Serial No. 628,553. 17 Claims. (Cl. 261-80.)



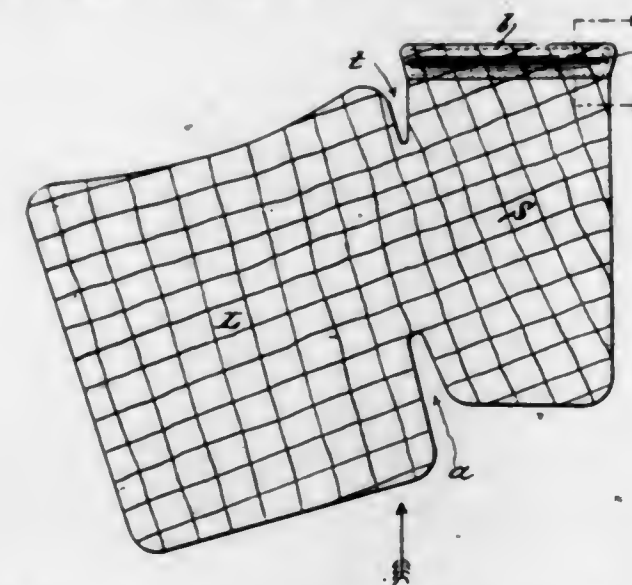
12. An air filter, the dust-space of which is separated from the pure air-space by an endless chain, each chain link being composed of laminary plates strung up in parallel relation to the flowing direction of the air to be treated and provided with projections crossing the air direction, the height of such projections corresponding to the distance of the laminary plates from each other and forming V-shaped pockets or troughs for receiving an adhesive liquid for retaining the dust, the V-shaped pockets of one plate being reversed with respect to those of the adjacent one.

1,519,740. STONEWORKING MACHINES. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 28, 1918. Serial No. 256,056. 58 Claims. (Cl. 262-16.)



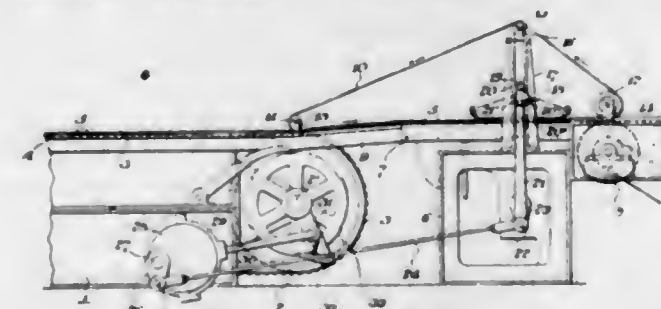
1. In a track channeler, the combination with a truck, and a tool pivoted on said truck, of means wholly carried by said truck for swinging the tool by movement of the truck.

1,519,741. LAP ROBE. ALFRED SCHICKERLING, Scarsdale, N. Y. Filed Feb. 29, 1924. Serial No. 695,887. 3 Claims. (Cl. 296-S1.)



3. As an article of manufacture, a lap robe of the character designated, comprising a seat portion and an overlap portion in combination with an anchor bar adapted to be incorporated with said seat portion, substantially in the manner and for the purpose set forth.

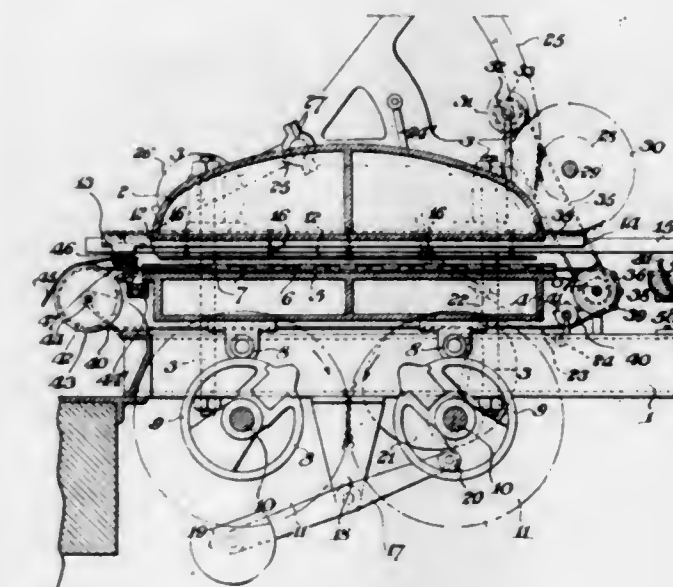
1,519,742. INLAID-LINOLEUM MACHINE. JOHN TAMBERLIN, Philadelphia, Pa., assignor to The George W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,277. 2 Claims. (Cl. 154-23.)



1. A linoleum machine comprising the combination of a pin band for moving a backing fabric with tesserae thereon, a press, means for moving said fabric and tes-

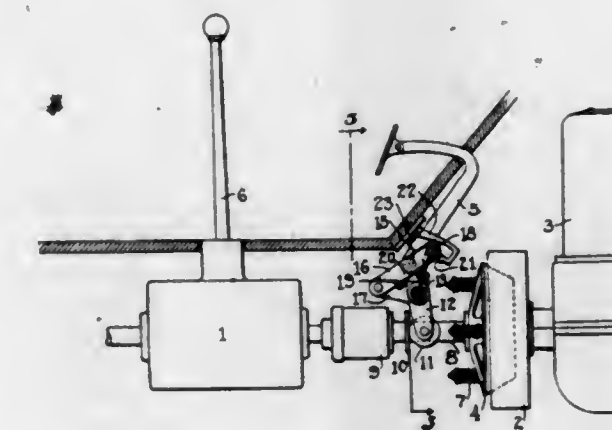
serae through said press, means for diverting said pin band from said fabric before entering said press, and an endless band holding the tesserae on said fabric at the point of separation therefrom of said pin band.

1,519,743. MEANS FOR LUBRICATING LINOLEUM-DIE MECHANISMS. JOHN TAMBERLIN, Philadelphia, Pa., assignor to The George W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,279. 5 Claims. (Cl. 154-23.)



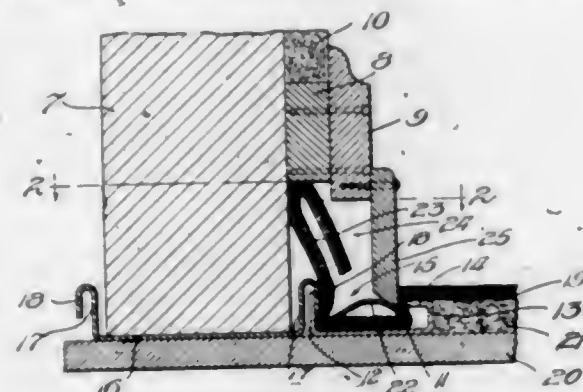
1. In a machine of the character described, the combination with linoleum cutting mechanism and linoleum translating mechanism, of means comprising a lubricant font movable by one of said mechanisms and a wiper movable by the other of said mechanisms independently of said font for lubricating parts of said machine contacting with material cut thereby.

1,519,744. TRANSMISSION MECHANISM. BENJAMIN THOMAS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 30, 1920. Serial No. 377,740. 8 Claims. (Cl. 192-99.)



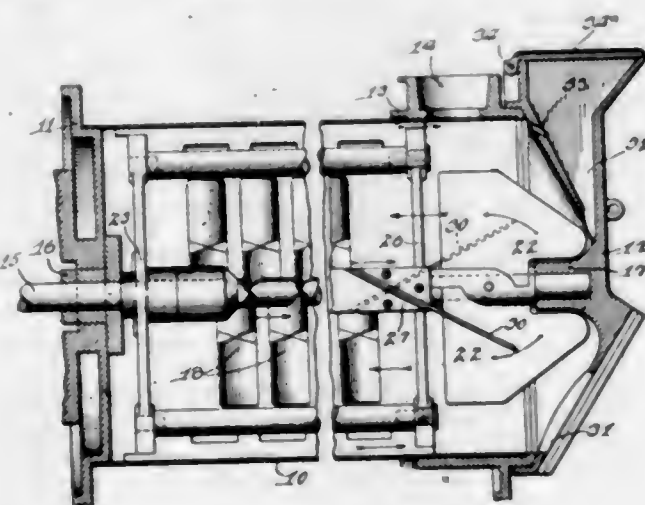
1. The combination with a normally engaged clutch, of a control member therefor and operative connections between said clutch and said member including means adapted upon movement of said member in one direction through a given range to effect disengaging, re-engaging and subsequent disengaging operations of said clutch and upon movement of said member in an opposite direction through said range to effect a single engaging operation of said clutch.

1,519,745. CARPET FASTENER. WINGATE S. THOMAS, Chicago, Ill., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1924. Serial No. 690,993. 2 Claims. (Cl. 16-7.)



1. In a building construction, the combination with a floor and a partition thereon, of an upwardly facing channel extending along the surface of the floor adjacent to the outside face of the partition, said channel having at its side away from the partition an upwardly reaching flange terminating in an inwardly reaching horizontal lip, means at the partition side of the channel reaching outwardly to overlap the channel at that point, a carpet laid on the floor and having its edge portion seated within the channel and having its extreme free edge extending upwards above the channel adjacent to the partition, a locking plate of curved cross section removably seated within the channel above the carpet therein with its concave side facing downwards, said locking plate in conjunction with the thickness of the carpet having a width greater than the distance from the inner edge of the lip to the partition side of the channel at a point beneath the overlying projection aforesaid, whereby when the locking plate is in place within the channel, tension exerted on the carpet tends to force the plate slidewise against the channel wall adjacent to the partition, and a base board member secured to the lower portion of the partition and having its lower portion in engagement with the edge of the locking plate adjacent to the position of the overlying projection aforesaid whereby said base-board holds the locking plate against lateral displacement, substantially as described.

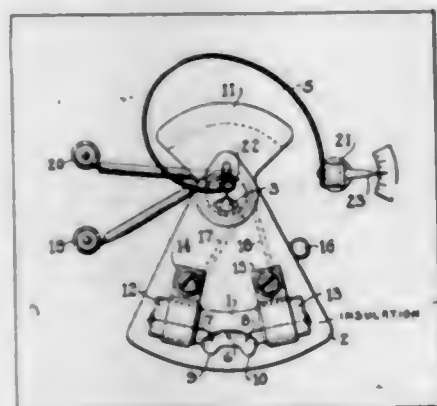
1,519,746. ICE-CREAM FREEZER AND METHOD OF CHANGING THE TEMPERATURE OF FLUIDS. THEODORE L. VALERUS, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1920. Serial No. 367,646. Renewed May 23, 1924. 23 Claims. (Cl. 259-9.)



1. The herein described method of circulating a fluid comprising moving a central core and an outer envelope parallel to each other in the same direction and return-

ing the fluid in the opposite direction in an annular mass moving between the central core and the outer envelope.

1,519,747. THERMOSTATIC SWITCH. HENRY N. WADE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 24, 1919. Serial No. 340,205. 3 Claims. (Cl. 200-139.)



2. The combination with a switch comprising a movable element containing a conductive fluid, said element having means for lifting a relatively small amount of such fluid from the remainder thereof for circuit breaking, a knife-edge pivoted counterbalanced oscillatable support for said movable element providing for movement of said element to control circuit while maintaining the collective center of gravity of said element and said support substantially undisturbed vertically, of thermo-responsive means for so actuating said support.

1,519,748. CLIMBING DEVICE. SEBASTIÁN AGUILAR, Pueblo, Colo. Filed Jan. 8, 1924. Serial No. 684,922. 7 Claims. (Cl. 227-8.)

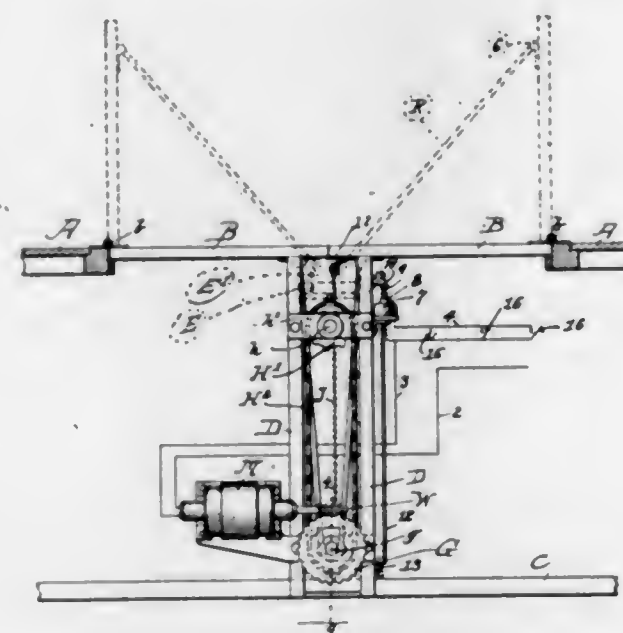


1. In combination with a pole, and a vertical guide element in said pole, a member engaged with said guide element and adapted to have the foot of the user attached thereto, devices carried by said member for gripping the said guide element, a part in said member for moving said devices to operative position, and a handle element for said part extending upward from the latter above the said member, and a roller on the upper end of said handle element engaging in said guide element.

1,519,749. DOOR CONTROL. HARRY G. AINSWORTH, Kentland, Ind. Filed July 14, 1921. Serial No. 484,727. 7 Claims. (Cl. 268-9.)

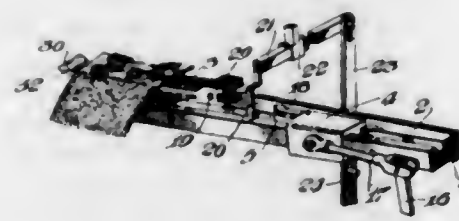
1. A device for opening and closing a door, comprising in combination with a hinged door, an electric circuit including a motor, a pair of sprocket wheels one of

which is operatively connected to the motor, an endless sprocket chain on said wheels, a fixed support, parallel guide ways, secured to said support, a block movable in said guides and operatively connected with a part of the sprocket chain to travel therewith, a bar pivotally connected at one end to said block and at its other end to the hinged door, a switch for closing the circuit and means for automatically breaking the circuit at a predetermined time in the movement of the sprocket chain.



7. A device of the character described comprising an electric circuit including a motor, a switch and a normally closed switch, a hinged door, a push and pull rod pivotally connected at one end to said door and operative connections between the other end of the rod and the motor for actuating the rod, said connections including a sprocket chain, a transversely slotted movable block, and a pin on the chain movable in said slotted block.

1,519,750. WARP-CUTTING DEVICE FOR USE IN PILE-FABRIC LOOMS. JOHN ASHMORE and GEORGE ASHMORE, Philadelphia, Pa. Filed June 8, 1923. Serial No. 644,091. 2 Claims. (Cl. 139-44.)

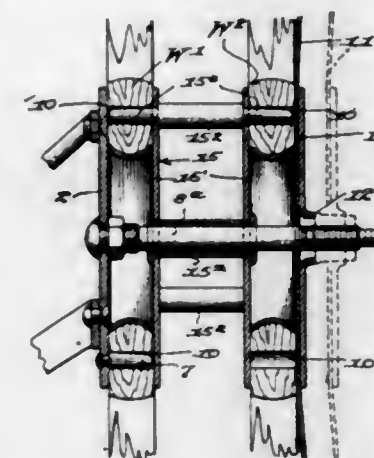


1. A pile-wire having a blade, the cutting edge of which extends in a rearwardly direction, said blade having a slotted portion the slot of which extends in a substantially parallel manner with the bottom face of the cutter and terminates at one end in proximity to said cutting edge but does not intersect said cutting edge.

1,519,751. EXTENSIBLE WHEEL CARRIER. ERLE KING BAKER, Chicago, Ill., assignor to Baker Wheel & Rim Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1922. Serial No. 578,159. 2 Claims. (Cl. 224-29.)

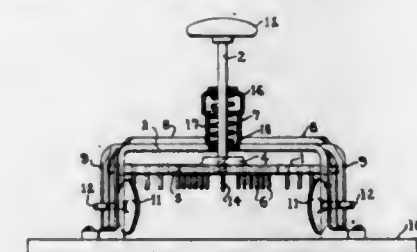
1. The improvement herein described comprising a supporting member 2 and a central stud 8 projecting

therefrom, in combination with spaced wheel supporting studs on said member 2, a spacer having wheel support-



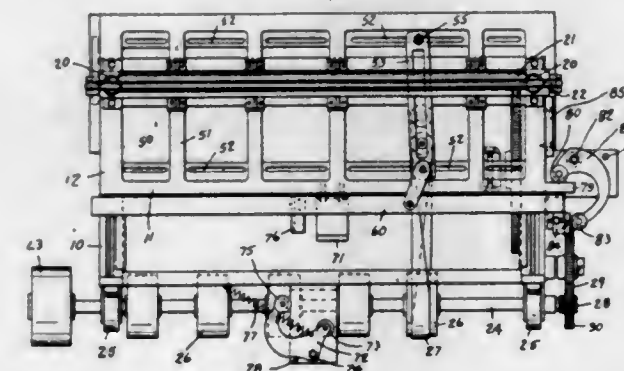
ing studs projecting from both sides to couple two wheels, a thrust distributing plate 11', and a thrust nut on said central stud.

1,519,752. MARKING DEVICE FOR PIES. EDWARD J. BANNISTER, Milwaukee, Wis. Filed Jan. 19, 1921. Serial No. 438,275. 2 Claims. (Cl. 107-47.)



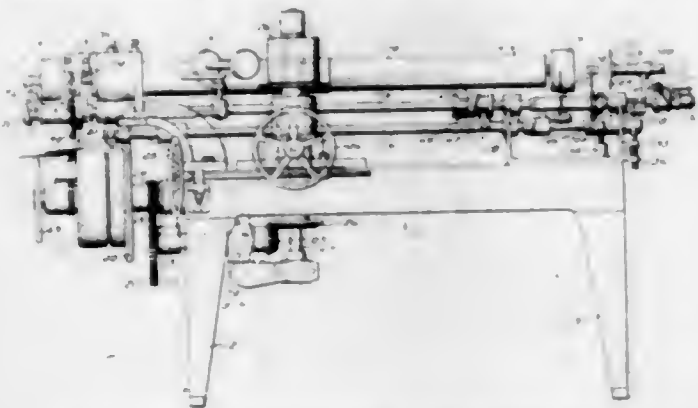
2. A marking device of the character described comprising a reciprocable marking element, a frame having a part in which said element is reciprocally mounted, arms extending radially from said part and perpendicular supports for said arms, a spring tending to retain said element in a given position on said frame to permit insertion thereunder of the article to be marked and adjustable stops carried by said supports to center such article with respect to said element.

1,519,753. MACHINE FOR MAKING WEDGE TENON DOVETAIL JOINTS. HENRY W. BERTRAM, Elwood, Ind. Filed Oct. 29, 1923. Serial No. 671,510. 14 Claims. (Cl. 144-87.)



1. In a machine of the character described, the combination with means for supporting the work to be grooved upon said machine, of a single cutter head adapted to engage and cut an undercut tapered groove of constant depth in said work, means for driving said cutter head and causing said cutter head and work to move relative to each other the length of the groove to be cut, and means actuated by said machine for causing said cutter head to be guided throughout said movement for cutting said work in varying directions.

1,519,754. SPIRAL-WINDER CUT-OFF MECHANISM. WILLIAM F. BUTLER, Hillsdale, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 1, 1921, Serial No. 488,825. Renewed Mar. 7, 1924. 20 Claims. (Cl. 93-80.)

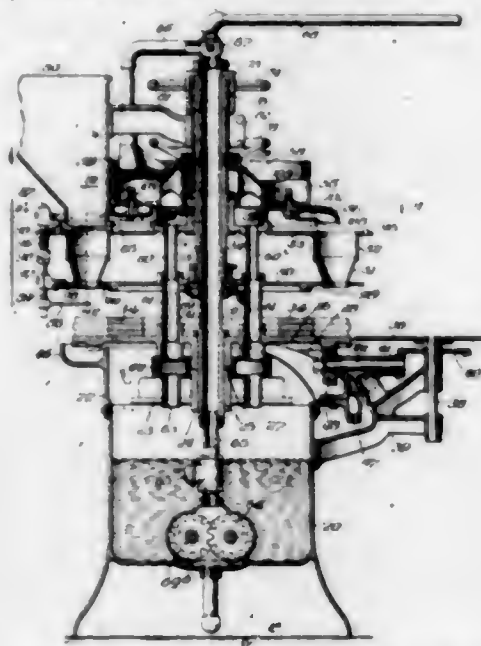


1. A machine for forming fibre can bodies and the like, comprising a mandrel, mechanism for winding fibre strips on said mandrel to produce a tubing of the body form desired, and means operating inside said tubing and operable through the movement thereof for cutting off the tubing beyond said mandrel into predetermined lengths.

1,519,755. POWDERED PREPARATION FOR POULTICES. FRANK F. B. CHAPMAN, Nashua, N. H., assignor to Burlock-Walford Co., Inc., Boston, Mass., a Corporation of Massachusetts. Filed Dec. 13, 1923. Serial No. 680,405. 3 Claims. (Cl. 167-9.)

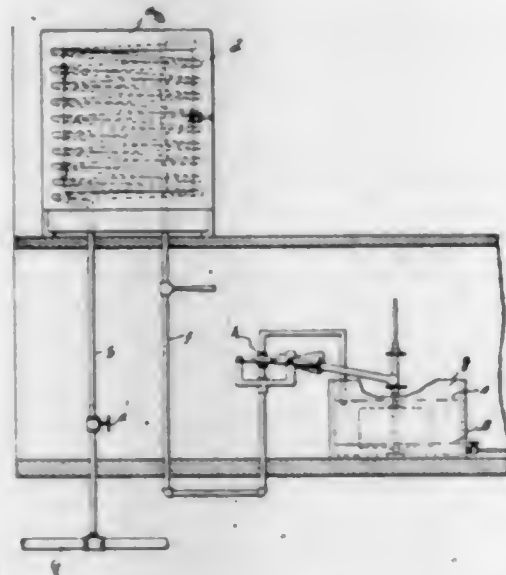
1. A poultice preparation composed of a mixture of dry powdered vegetable materials including boneset, sweet fern, and a glutinous material.

1,519,756. CAN-FILLING MACHINE. CLARENCE F. COLBERT, Hoopston, Ill., assignor to Sprague Canning Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed June 27, 1918. Serial No. 242,163. 15 Claims. (Cl. 226-97.)



1. In a machine for filling cans, the combination of a central hollow column, can-conveying means arranged to rotate about said hollow column, a rotary element comprising liquid-measuring devices arranged to rotate about said hollow column, a source of supply for the liquid, a constantly open nozzle in communication with the source of supply through said hollow column, and arranged to discharge into said liquid-measuring devices, means for varying the capacity of the liquid-measuring devices, and means for conducting the overflow from said liquid-measuring devices back to said source of supply.

1,519,757. WATER CONTROL FOR REFRIGERATOR SYSTEMS. LLOYD G. COPEMAN, Flint, Mich. Filed May 22, 1924. Serial No. 715,044. 8 Claims. (Cl. 137-163.)



1. In a water control, the combination of a tank, means for circulating water under pressure and discharging into the tank, a valve for controlling the flow of water, and means for regulating the action of the valve by a bleeding action and by devices for translating the slow action of the bleeding into a quick valve action.

1,519,758. LEAF-SPRING LUBRICATOR. JOHN P. COSGROVE, Brackton, Mass. Filed Oct. 27, 1921. Serial No. 510,808. Renewed Apr. 25, 1924. 6 Claims. (Cl. 267-37.)

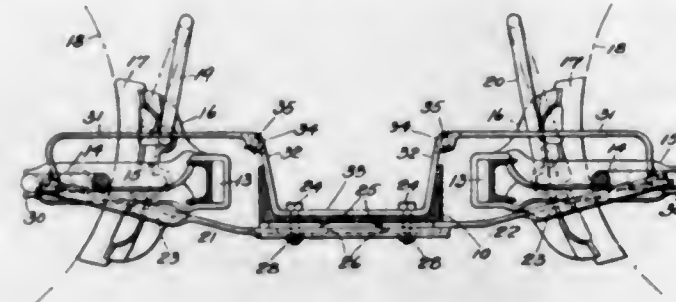


1. A leaf-spring lubricator comprising, in combination, an elongated pad of absorbent material having a longitudinal central portion, formed to be located over the upper side of a spring, and two longitudinal platted thickened edge portions, formed to bear on opposite edges of the spring, and forming longitudinal absorbent wick tubes, a flexible envelope of greater area than the pad, said envelope being superimposed on the pad, and adapted to be wrapped around and secured to the spring, and confine the said thickened portions against the edges of the spring, an oil cup seated on the outer side of the envelope, near one end and between the longitudinal edges thereof, and provided with a nipple extending through and secured to the envelope, and adapted to discharge oil between the envelope and the central portion of the pad, and wicking arranged to receive oil from said nipple, and extending through said wick tubes to supply oil to said thickened portions, the wicking being confined in operative position by said tubes.

1,519,759. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed Feb. 11, 1924. Serial No. 691,888. 9 Claims. (Cl. 188-213.)

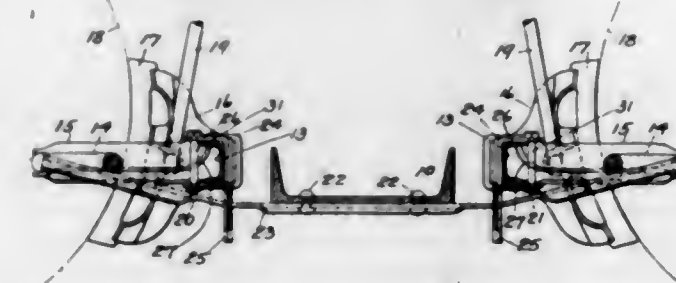
5. A trussed brake-beam, inclined tramway suspension bars for the end portions thereof and yielding members over said bars and beams for confining the beam, said yielding members being detachably hinged at their inner

ends to stationary truck members and thence extending outwardly and to said bars and being detachably connected at their outer ends thereto by means comprising



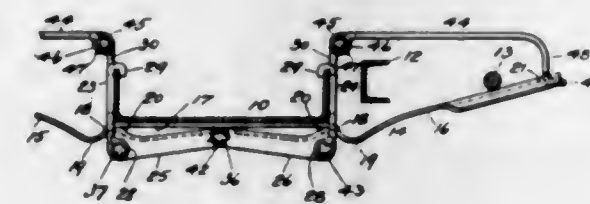
holes in the ends of said bars and forwardly deflected fingers on the outer ends of said yielding members and entered within said holes.

1,519,760. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed Feb. 11, 1924. Serial No. 691,889. 8 Claims. (Cl. 188-213.)



5. A trussed brake-beam, inclined tramway suspension-bars therefor and safety means secured to the compression member of the beam and slidably engaging said bars for holding the beam captive with relation thereto, said means comprising at each end of said member a stirrup transversely engaging said member and having a depending portion containing an opening through which the bar freely passes.

1,519,761. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed Feb. 12, 1924. Serial No. 692,294. 12 Claims. (Cl. 188-213.)

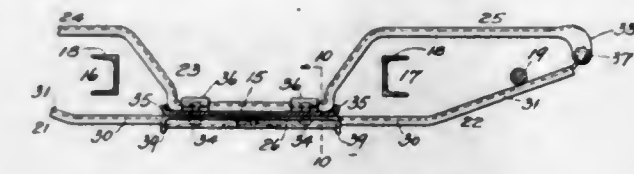


5. In a car-truck having a spring plank and a trussed brake beam, a tramway suspension-bar extending below the bottom of the spring plank and inclined upwardly and outwardly therefrom, clamping means suspended from the upper edges of the spring plank and extending beneath that portion of said bar which is below the spring plank for binding the bar against said plank and a safety guard bar articulated at its inner end to said clamping means and at its outer end to the outer end of the suspension bar, said guard bar being disposed above the brake-beam and the suspension bar.

1,519,762. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed Mar. 22, 1924. Serial No. 701,009. 17 Claims. (Cl. 288-213.)

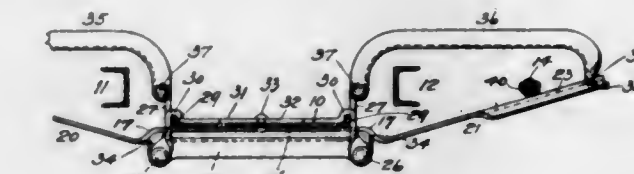
5. A car-truck having a trussed brake-beam, a tramway suspension bar therefor, and a guard bar rigidly secured

to a truck member and extending outwardly over said suspension bar and above the brake-beam and detachably connected with the outer end of said tramway bar, said



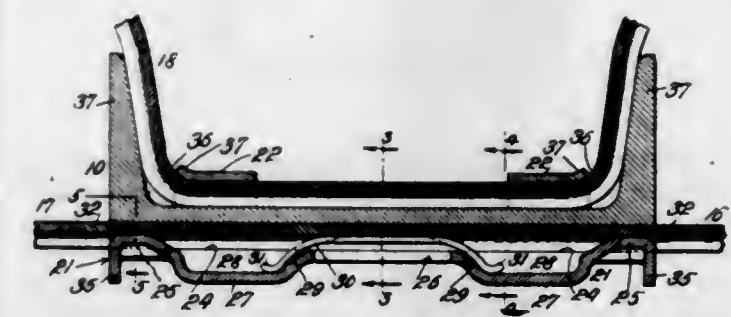
tramway bar and said guard bar being of corresponding channel form having depending side edge flanges and upwardly convexed webs.

1,519,763. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed Mar. 22, 1924. Serial No. 701,010. 9 Claims. (Cl. 188-213.)



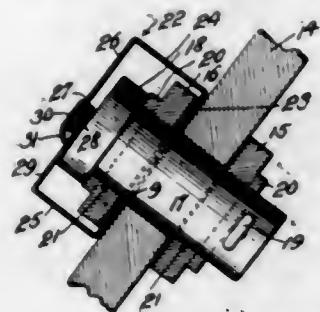
5. In a car-truck having a spring plank and a trussed brake-beam, a tramway suspension bar for the beam, extending below the spring plank, and means for detachably securing said bar against said plank comprising a frame extending across the upper side of said plank and having arms extending downwardly at opposite edges of said plank and a clamping bar below said frame, plank and tramway bar and secured at its ends to said arms, said bar being pivotally secured at one end and detachably secured at the other end and having cams at its ends to bind upwardly against the tramway bar, and said frame in its upper part being a plate depressed to engage the top face of the spring plank and at its ends being engaged with the flanges of said plank.

1,519,764. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed June 4, 1924. Serial No. 717,693. 10 Claims. (Cl. 188-213.)



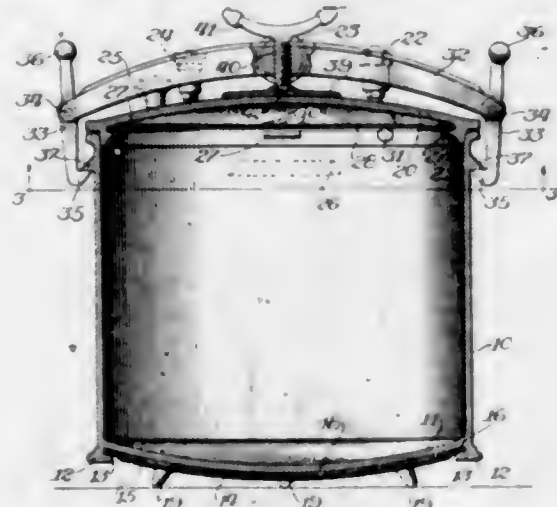
3. A car-truck having inside hung trussed brake-beams, aligned tramway suspension bars therefor and means for supporting said bars at their adjoining inner end portions from the spring plank, said means comprising a supporting plate secured to the spring plank and having a longitudinal channel adapted to receive the inner end portions of said bars and a bowed spring housed within the plate and adapted to bind the bars against the spring plank, and said plate being chambered in its end portions to freely confine the ends of the spring and permit the downward flexing of the spring by the insertion of said bars into said channel, said plate also being open between said chambers to permit the removal and replenishing of the spring without detaching the plate from the spring plank.

1,519,765. PIN OR BOLT RETAINER FOR RAILWAY-BRAKE-BEAM LEVERS AND CONNECTIONS. SETH A. CRONE, East Orange, N. J. Filed July 9, 1924. Serial No. 724,944. 10 Claims. (Cl. 188-231.)



1. A pin or bolt retaining device of the character described for brake levers and the like comprising two parts having holes in register and a headed pin inserted through said holes for connecting said parts in free face-to-face relation, in combination, said retaining device for said pin being of sheet metal and comprising a middle or base section interposed between said parts and having a hole through which said pin passes, end sections extending outwardly from said base section and outer sections extending from said end sections and adapted to be folded toward each other over the head of said pin, said outer sections having on their free ends interlocking means for locking the device in position, and said device forming a closed box-band transversely encompassing one of said parts and enclosing the head of the pin.

1,519,766. COOKING APPARATUS. ALFRED M. DE-MUTH, Chicago, Ill. Filed Nov. 22, 1922. Serial No. 602,565. 1 Claim. (Cl. 53-1.)

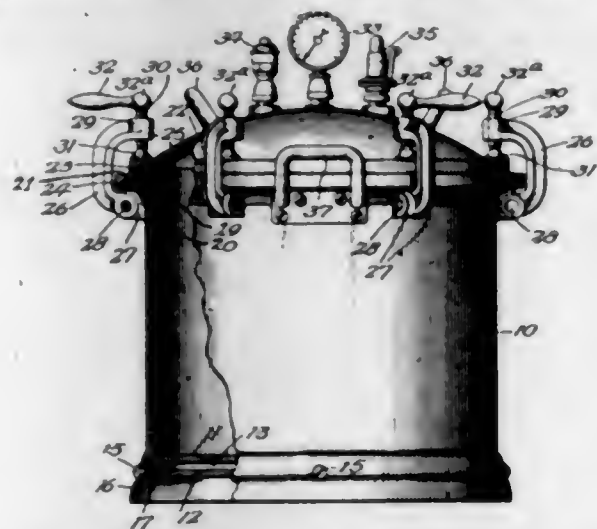


A cooking vessel, a closure therefor, valve mechanism connected with the closure and having communication with the interior of the vessel, said closure having a downwardly projecting flange spaced from the periphery of the closure, laterally projecting lugs extending inwardly from the flange and spaced above the lower edge of the flange, and a shield extending across the closure and having recesses opening through the periphery thereof to receive the said lugs whereby the shield may be placed in position and then rotated to cause the periphery of the shield to pass above the said lugs to be held in position by the said lugs against the adjacent overhanging portion of the said closure, there being apertures through the shield and spaced from the periphery thereof.

1,519,767. COOKING APPARATUS. ALFRED M. DE-MUTH, Chicago, Ill. Filed Apr. 14, 1923. Serial No. 632,036. 1 Claim. (Cl. 53-1.)

A cooking vessel, the periphery of the vessel encompassing the upper end thereof being inclined or beveled and having a laterally projecting circumferential flange

at the base of the said inclined portion, a closure for the vessel, said closure extending over and encompassing said beveled or inclined portion and also the said circumferential flange, a portion of the inner face of the closure spaced from the edge thereof being inclined to engage and rest upon the said beveled or inclined surface of the receptacle, a portion of the outer surface of the closure directly above the said inclined portion thereof being shaped to form an encompassing flat surface spaced



from the peripheral edge of the closure, a plurality of clamping members pivoted to the receptacle and adapted to extend over the said flat surface of the closure, a screw threaded through each of the clamping members and having an enlarged flat surface on the end thereof to engage the said flat surface of the closure, and a handle connected with each of the said screws for operating it and for swinging the said clamping members about their pivots.

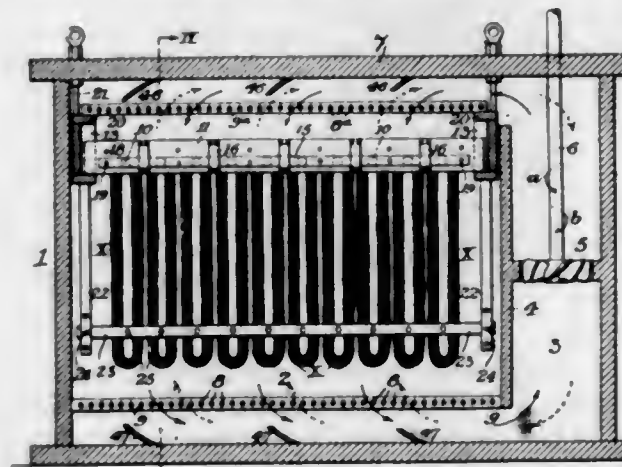
1,519,768. DEEP-WELL DOUBLE-ACTING PLUNGER PUMP. JOHN G. DORWARD, San Francisco, Calif. Filed Mar. 9, 1922. Serial No. 542,344. 18 Claims. (Cl. 103-190.)



1. In a pump of the character described, the combination with a pump cylinder and the discharge casing, of a hollow head member connecting the cylinder and casing, upper and lower connected valve seat members within the head member and carried thereby, a plunger rod extending through and guided by said valve seat members, a valve on the upper end of each of said valve seat members, by-passes formed in the head and offset with relation to the bore of the head and connecting the upper and lower valves with the upper end

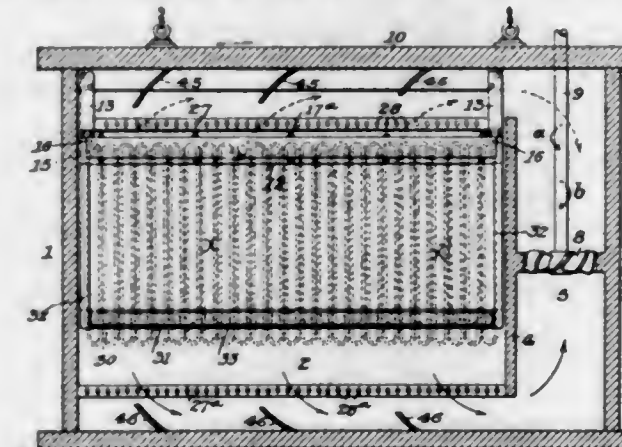
of the cylinder, said head member having ports formed therein between the by-passes and establishing direct communication between the lower valve and the exterior of the head, whereby on the downward stroke of the plunger the upper valve is maintained closed and the water from the well passes through the said ports and upwardly through the lower valve directly to said by-passes so as to lead the water around the lower valve seat member and downwardly outside the interior of the head member and directly into the upper end of the cylinder.

1,519,769. APPARATUS FOR DYEING, SCOURING, OR OTHERWISE TREATING YARN AND OTHER FIBERS IN THE HANK OR SKEIN. HOWARD M. DUDLEY, Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1921. Serial No. 489,934. 24 Claims. (Cl. 8-18.)



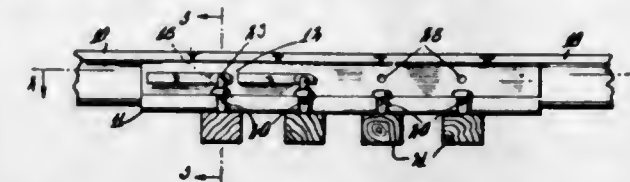
17. In a fiber-treating apparatus, the combination of a closed tank having a removable top or cover, a plurality of rails, supporting means for the ends of said rails carried by said cover and removable therewith, fiber-carrying sticks detachably supported in said rails; said rails being free for vertical movement with respect to their supports, and means for circulating liquid in two directions through the hanks or skeins supported by said fiber carrying sticks.

1,519,770. APPARATUS FOR DYEING, SCOURING, OR OTHERWISE TREATING YARN AND OTHER FIBERS IN THE HANK OR SKEIN. HOWARD M. DUDLEY, Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1921. Serial No. 494,912. 10 Claims. (Cl. 8-18.)



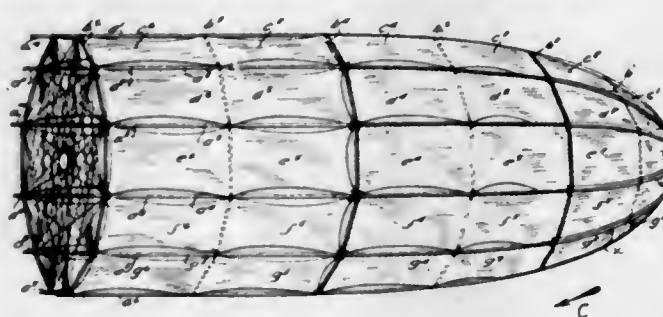
10. In a fiber treating machine, in combination, a tank or vat in which the material under treatment may be suspended, a slotted rail, supporting members for said material adapted to the slots of said rail for movement therein, and protecting means movable with said supporting members for preventing entanglement of said material in said slots.

1,519,771. RAIL JOINT. FLORENCIO N. DURAN, Pilares de Nocozi, Mexico. Filed Mar. 19, 1924. Serial No. 700,233. 6 Claims. (Cl. 238-260.)



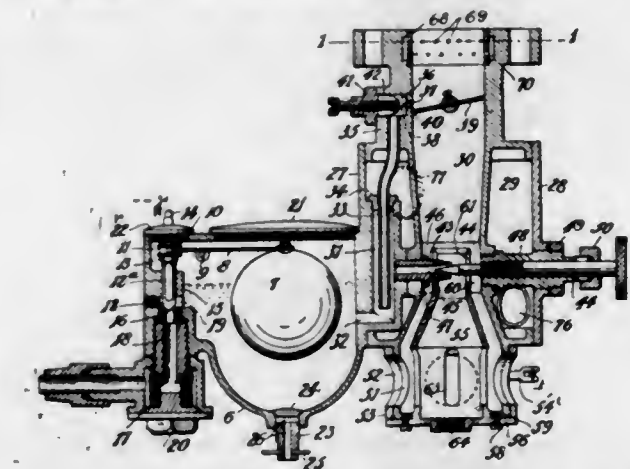
6. In combination with a pair of meeting rail ends, a member overlapping said ends, studs projecting through said member and the rail ends, and spikes engaged with the rail ties and holding said studs in place.

1,519,772. OUTER COVER FOR RIGID AIRSHIPS AND METHOD OF FASTENING THE SAME. LUDWIG DÜRR, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Sept. 13, 1924. Serial No. 737,592. 3 Claims. (Cl. 244-3.)



1. A rigid airship comprising a hull made up of longitudinal members and cross members, and an outer cover on said hull, the circumference of said outer cover consisting of several pieces of fabric having four edges each, two of said edges being fastened to cross members and the other two edges to longitudinal members of said hull, said pieces in their longitudinal direction passing over intermediate cross members.

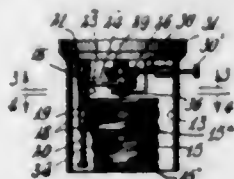
1,519,773. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. CECIL MUNRO DYER, Kew, Victoria, Australia. Filed May 23, 1924. Serial No. 715,404. 2 Claims. (Cl. 261-63.)



1. In a carburetor, a chamber arranged as a Venturi tube having air inlet openings in the lateral wall at one end and an outlet at the opposite end, a float chamber adjacent to said Venturi tube, a jet fitted into the wall and in communication with the float chamber above the normal liquid level therein, a valve to regulate the area of the outlet of said jet, a sleeve valve operative to regulate the area of the inlet openings of the Venturi tube, and a choke tube detachably secured within the Venturi tube, said choke tube being substantially of the configuration of the waist and inlet portion of the Venturi tube and arranged in spaced relation thereto and having ports in the lateral wall in

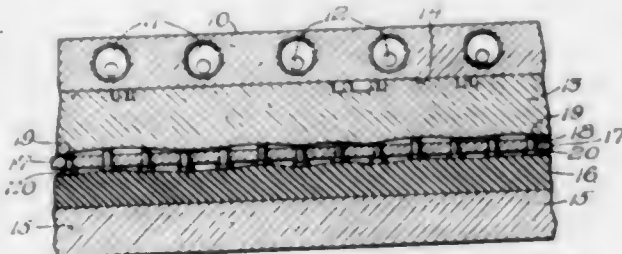
line with the inlet openings in the Venturi tube to admit a portion of air that is induced to flow through the inlet openings of the Venturi tube to flow through the choke tube and a portion between said choke tube and the Venturi tube.

1,519,774. GRIPPING LAMP AND FUSE HOLDER. ROBERT EBERHARDT, New York, N. Y. Filed Apr. 26, 1923. Serial No. 634,785. 7 Claims. (Cl. 173-358.)



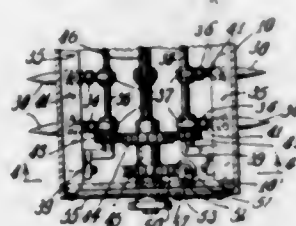
3. In an electric socket, an expansible bulb holding member in the form of a sleeve formed in two semi-cylindrical sections, hinge ears on the respective sections, a hinge pin freely engaged with the ears on one section and fixed to the ears on the other section, a pair of arms projecting respectively from the hinged pin and the first named ears, and a cam for operating said arms to open the said bulb holding member.

1,519,775. MEANS FOR CORRECTING PRINTING PLATES. EMIL ERICKSSON, Chicago, Ill., assignor to Wm. A. Field Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1923. Serial No. 673,473. 11 Claims. (Cl. 101-401.3.)



1. In devices for correcting printing plates, the combination of a yieldable backing, a rigid face plate, and yieldable contact members carried by the face plate and bearing against the yieldable backing, substantially as described.

1,519,776. AGRICULTURAL IMPLEMENT. JOSEPH FAZEKAS and JOSEPH CZVIK, St. Paul, Minn. Filed May 21, 1923. Serial No. 640,305. 3 Claims. (Cl. 97-216.)

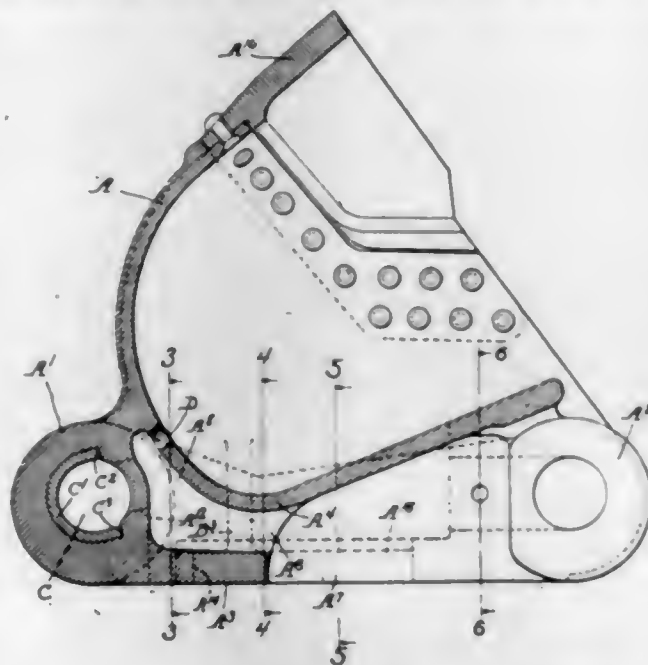


1. In an agricultural implement a roller, a series of pins projecting therefrom, and means for adjusting said pins radially, comprising cam elements mounted within the roller and adapted to engage the inner ends of the pins, shafts on which said cam elements are fixed, and worm gear and pinion means for adjusting said shafts angularly.

1,519,777. PLACER-DREDGE BUCKET. WALTER FERRIS, Milwaukee, and MATTHEW F. KESE, South Milwaukee, Wis., assignors to Bucyrus Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 2, 1921. Serial No. 519,359. 16 Claims. (Cl. 37-191.)

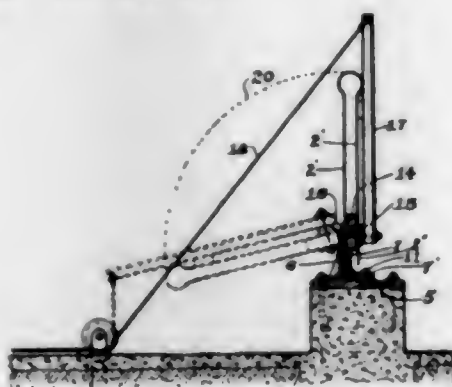
1. A link for excavator chains comprising a relatively long centrally located eye, link members forwardly and

outwardly inclined from the opposite ends of said eye and terminating in a pair of opposed side eyes, a tread plate separate from and spaced below the bottom of the



bucket, projecting forwardly from and tangent to the single eye and joining the lower edges of the link members.

1,519,778. METHOD AND MACHINE FOR FLANGING THERMIC SIPHONS AND THE LIKE. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,672. 5 Claims. (Cl. 153-16.)



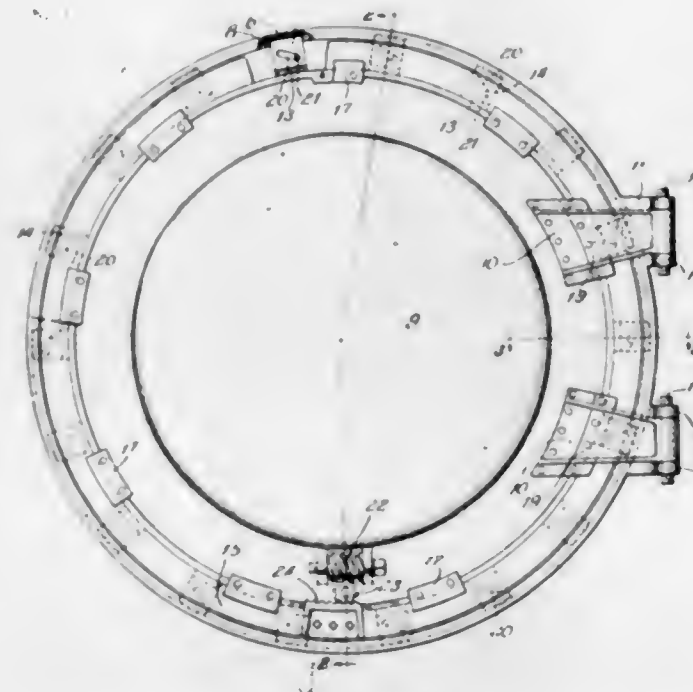
1. A machine for flanging boiler plates and the like, comprising a fixed rail and a movable rail and means for clamping the same upon the edge of the plate to be flanged, a spacing bar and a radius bar to be clamped to said plate above said rails and means for attachment to said plate for pulling the same over to the desired angle with respect to said rails.

2. The herein described method of flanging thermic siphons, which consists in clamping a spacing bar block between the sides of the siphon adjacent the edges to be flanged and in clamping radius bars against the outer surfaces of said sides, then placing the edge to be flanged in proper position between clamping rails and pulling the body of the siphon over to the desired angle with respect to the edge clamped between said rails.

1,519,779. PROCESS OF PRODUCING COD-LIVER OIL. EDWARD MEAD JOHNSON, Jr., Evansville, Ind. Filed June 14, 1924. Serial No. 720,125. 3 Claims. (Cl. 87-13.)

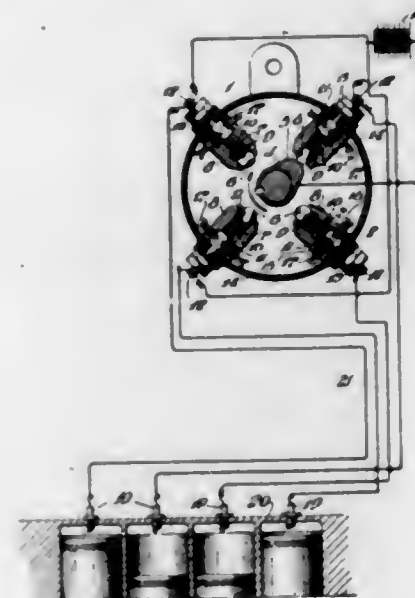
2. The process of producing cod liver oil which consists in freezing the liver sufficiently to form ice crystals therein and rupture the cellular structure thereof, maintaining the liver in frozen condition and pressing the oil therefrom.

1,519,780. LOCOMOTIVE FRONT END. SAM F. KLOHA, Chicago, Ill., assignor of one-half to Joseph F. Comee, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,862. 3 Claims. (Cl. 110-173.)



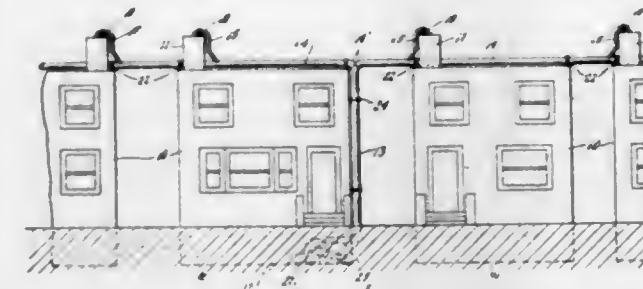
3. A locomotive front end comprising a ring, a circumferential groove, a door having a plurality of locking blocks slidably mounted thereon and adapted to enter said groove, each of said blocks being provided with an inclined slot, a locking ring rotatably mounted on said door and provided with means entering said slots, means for rotating said locking ring to actuate the said locking blocks, and means to hingedly support said door.

1,519,781. TIMER. CHARLES A. KUENZEL, Jr., Creighton, Nebr. Filed Sept. 16, 1922. Serial No. 588,550. 3 Claims. (Cl. 200-26.)



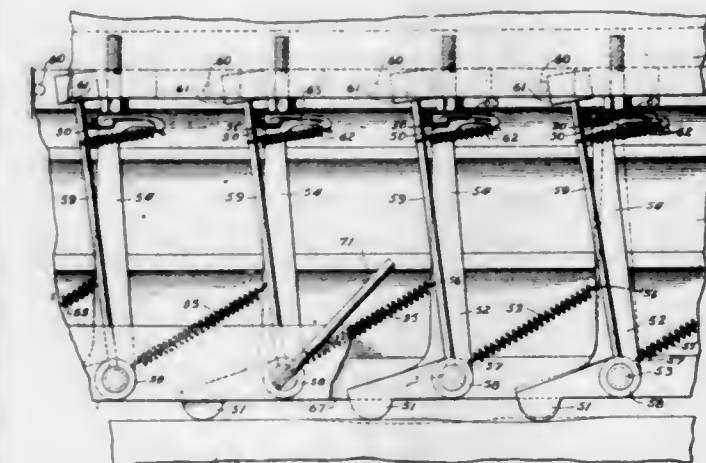
2. In a timer, an insulating casing, a terminal casing having a counterbore in its outer end, a ball contact in said casing, a terminal post having a head seated in said counterbore, tension devices intermediate said head and ball contact, said casing and head having aligning transverse apertures therein, and a fastening device common to said slots.

1,519,782. SMOKE CONVEYER. EDWARD CHARLES LEHNEN, Chicago, Ill. Filed Dec. 22, 1923. Serial No. 682,356. 2 Claims. (Cl. 110-145.)



1. An apparatus of the class described comprising intake means including a tubular member with a main flared intake port at its lower end, a plurality of spaced members extending outwardly and downwardly from said main member and having downwardly opening intake ports, said members being located in the top of the chimney and being of considerably less total cross section than that of said chimney, conduit means extending from said intake means into flowing water in a conduit, and suction means interposed in said conduit means.

1,519,783. POSITIONING MECHANISM. BERT A. LINDERMAN, Muskegon, Mich., assignor to Muskegon Machine Company, Muskegon, Mich., a Corporation of Michigan. Filed Apr. 1, 1922. Serial No. 548,585. 17 Claims. (Cl. 143-168.)

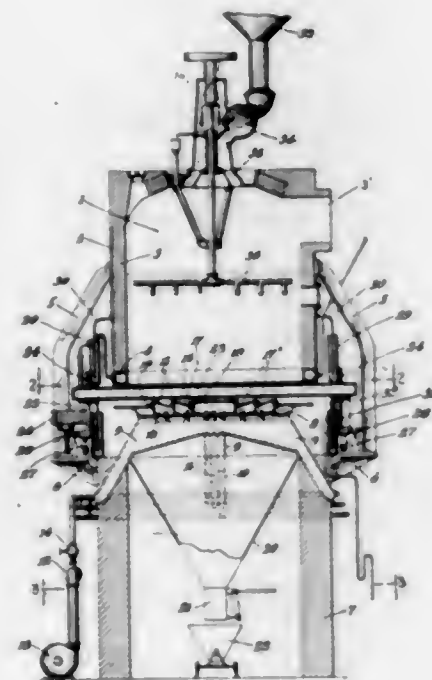


1. A mechanism for positioning boards and other articles with respect to an operating member, comprising in combination, a laterally reciprocable feed member, a yielding abutment carried by said feed member against which said board or article may be pushed, and means for moving said feed member an amount determined by its yielding for moving said board or article laterally into accurate position.

1,519,784. METHOD OF PRODUCING A SOLID SMOKELESS FUEL FROM BITUMINOUS COAL AND LIGNITE. CLARENCE S. LOMAX, Brooklyn, N. Y., and WHEADON M. GRANT, Birmingham, Ala., assignors to Illinois Anthracite Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 1, 1924. Serial No. 689,857. 14 Claims. (Cl. 202-8.)

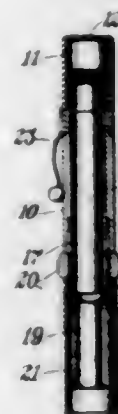
1. A method of producing a solid smokeless fuel from carbonaceous material which consists in feeding the material to be treated continuously into a closed chamber

maintaining a relatively shallow bed of material therein, subjecting the material to combustion so that a comparatively small percentage of the volatile matter and



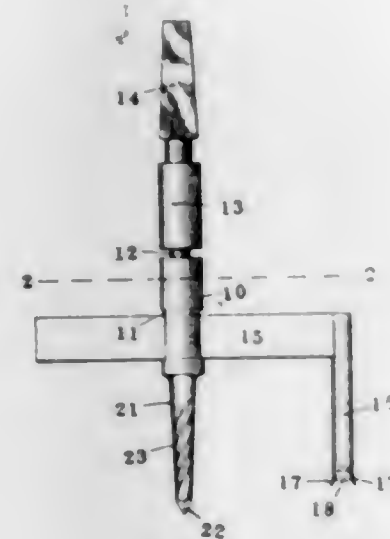
none of the fixed carbon is consumed and discharging the treated material from the chamber while it retains a substantial percentage of volatile matter therein.

1,519,785. CIGAR AND CIGARETTE HOLDER. BRUNO LUNA, Rosebud, Tex. Filed Dec. 12, 1923. Serial No. 680,087. 3 Claims. (Cl. 131-10.)



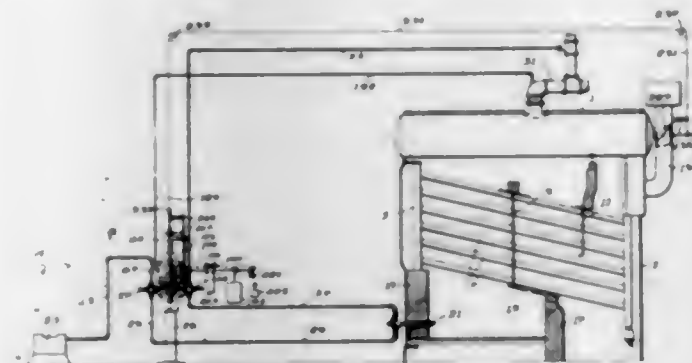
5. A holder of the type specified comprising a barrel, an apertured cap fitting removably thereon at one end, an apertured cup fitting removably in the other end of the barrel, and a mouth-piece fitting removably on said cup, and means for contracting the mouth of said cup, said means comprising a ring slidable in the barrel and adapted to engage the rim of said cup, said cup being longitudinally slotted from said rim inward, and studs on said ring projecting through longitudinal slots in the barrel for adjustment of the ring.

1,519,786. COMBINATION TOOL. CYRUS T. MCCORMICK, Fredericktown, Mo. Filed June 10, 1922. Serial No. 567,415. 1 Claim. (Cl. 145-121.)



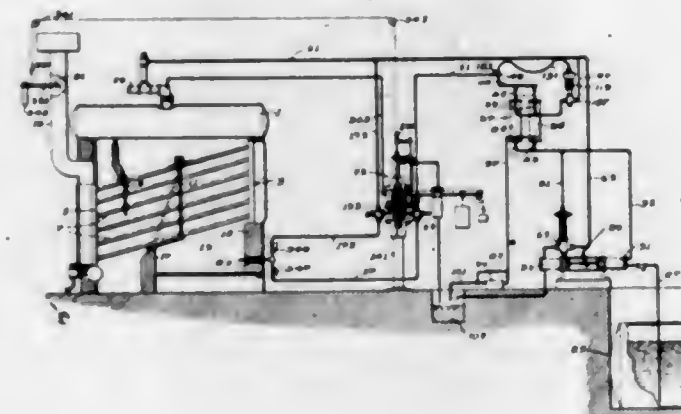
A cutter for extension bits comprising an adjustable bar, and a boring blade carried thereby, said boring blade being U-shaped, the lower end of each side of said blade forming a lip, and one side of said blade being bent over to form a routing cutter arranged between and behind said lips.

1,519,787. AUTOMATIC REGULATOR FOR FUEL-OIL-BURNING APPARATUS. JOHN T. MCTARNAHAN, Boston, Mass., by operation of law to Ralph H. Cahouet trustee in bankruptcy of McTarnahan Fuel Oil Burning Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 15, 1922. Serial No. 588,418. 2 Claims. (Cl. 236-8.)



1. Apparatus of the character described comprising, in combination, a boiler, a fuel oil burner therefor, pipes for conducting fuel oil and atomizing fluid to the burner, valves for controlling the supply of oil and fluid delivered by the pipes to the burner, a cylinder, a piston therein, a pilot valve for controlling admission of motive fluid to the cylinder to actuate the piston, a stem for the piston, means connected to the stem and having inclined slots therein, connections between said slots and the valves for adjusting the latter on movement of said means, and means responsive to variations in the pressure of the steam developed by the boiler for operating the pilot valve and having provision for promptly automatically compensating for variations in the steam pressure, thereby to restrict the piston to movements of slight extent.

1,519,788. FUEL-OIL-BURNING APPARATUS. JOHN T. MCTARNAHAN, Boston, Mass., by operation of law to Ralph H. Cahouet trustee in bankruptcy of McTarnahan Fuel Oil Burning Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 22, 1922. Serial No. 608,503. 3 Claims. (Cl. 158-36.)

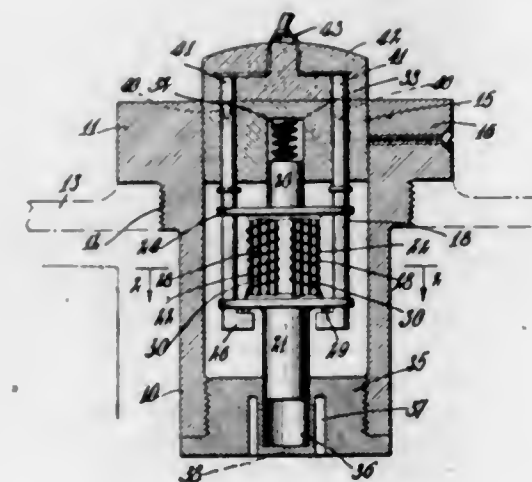


1. Fuel oil burning apparatus comprising, in combination, a burner, means for conducting fuel oil from a source of supply to the burner, means for automatically regulating the amount of fuel oil delivered to the burner, and means for automatically regulating the temperature and pressure of the fuel oil delivered to the regulating means.

1,519,789. PROCESS OF PRODUCING A FOOD PRODUCT. EDWARD JAMES MOOKLAR, Kalaheo, Kauai, Territory of Hawaii. Filed Dec. 5, 1922. Serial No. 605,078. 8 Claims. (Cl. 99-11.)

1. The process of producing a food product, comprising crushing or rolling fruit having the characteristics of the fruit of the algaroba tree, deodorizing the crushed or rolled fruit, and roasting the crushed fruit until the same has attained a coffee-brown color.

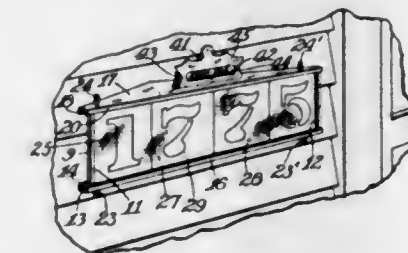
1,519,790. RADIATOR-HEATING DEVICE FOR AUTOMOBILES. GIUSEPPE MANASSERO, Bronx, N. Y. Filed Jan. 10, 1924. Serial No. 685,310. 3 Claims. (Cl. 219-38.)



1. An electric heater for automobile radiators comprising a shell adapted to be secured in the wall of the radiator, plugs closing the inner and outer ends of said shell, a heating bolt in the shell comprising an intermediate spool portion, and end portions engaging in

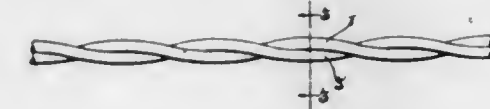
recesses in said plugs, a heating coil surrounding said spool portion, contact posts fixed in the outer plug, said contact posts extending downward into the interior of the shell and having intumed fingers on their lower ends which support the said bolt and make electrical contact with the ends of the said coil.

1,519,791. ILLUMINATED HOUSE NUMBER. CHARLES J. MANVILLE, Indianapolis, Ind. Continuation of application filed Sept. 17, 1920, Serial No. 410,915. This application filed Mar. 26, 1923. Serial No. 627,843. 4 Claims. (Cl. 40-132.)



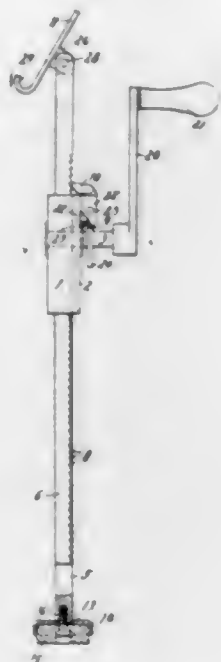
1. A house sign comprising a body part having two front flanges, a bracket secured to the body part, a bottom plate arranged beneath the body part and having a front flange engaging the outer side of the two front flanges, a top plate arranged upon the body part and having a front flange engaging the outer side of said two flanges, the top plate having a frame thereon in proximity to its front flange, a sectional number plate arranged upon the bottom plate and extending to the top plate and being retained behind all of said flanges, two tie-rods arranged at the inner side of the number plate and connected to the bottom and the top plates, the lower end of each rod having an eye thereon, and a name plate supported by said frame.

1,519,792. LIQUID-LEVEL INDICATOR. LEWIS A. MAPEL, St. Louis, Mo., assignor to The Automatic Appliance Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 25, 1920. Serial No. 419,553. 4 Claims. (Cl. 73-54.)



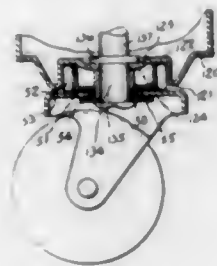
1. The combination with the fluid fuel supply receptacle of an engine, a chamber in the receptacle arranged to contain a constant level a quantity of fluid similar to the fluid in the receptacle, and an indicating device for indicating the quantity of fluid in the receptacle, of two tubes leading from the indicating device and communicating with the fluid in the receptacle and the fluid in said chamber respectively, said tubes being arranged and being supported adjacent to each other throughout their length and in contact with each other for relatively a considerable portion of their length, whereby they and their contents will be affected alike by all the changes to which they are subjected when in use.

1,519,793. PEDAL HOLDER. EDWARD A. MENARD and LESTER REED, Springfield, Mass. Filed Oct. 31, 1923. Serial No. 671,927. 7 Claims. (Cl. 74-81.)



1. A pedal holder comprising relatively fixed and movable parallel connected bars, and means to reciprocate said movable bar, the latter being provided at its outer terminal with a pedal-engaging member, and said first bar being equipped at its outer end with a cushion tip.

1,519,794. CASTER AND ANGLE-IRON MOUNTING BRACKET. WILLIAM H. NOELTING, Evansville, Ind., assignor to Faultless Caster Company, Evansville, Ind., a Corporation. Filed Aug. 6, 1923. Serial No. 655,979. 12 Claims. (Cl. 16-29.)

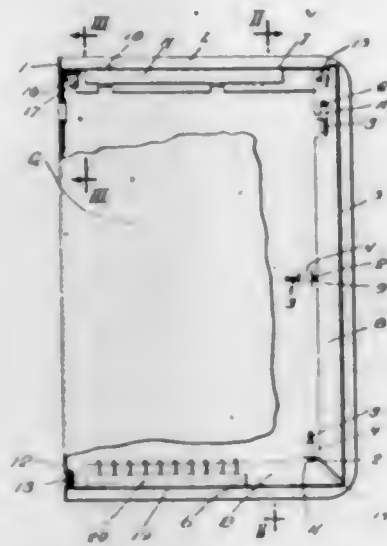


1. A unitary anti-friction caster and bracket mounting for multi-sided non-tubular legs comprising a bracket portion for clampingly engaging said leg to yieldingly retain the same thereon, a base integral with the bracket portion, an anti-friction trackway supported by the base, and anti-friction means therein.

1,519,795. NOVELTY CONTAINER. JOHN NUTRY, Ridgewood, N. J. Filed June 11, 1921. Serial No. 476,853. 7 Claims. (Cl. 232-6.)

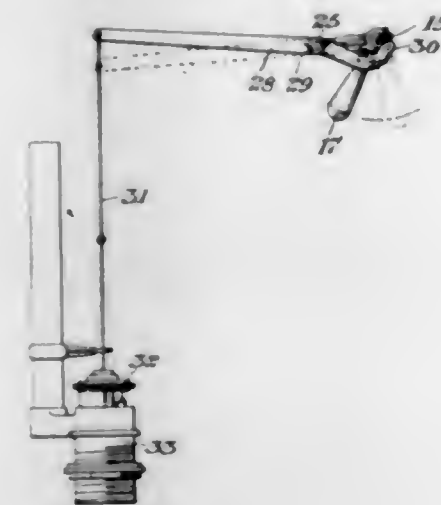
1. A novelty container in the form of a book, comprising a single sheet of suitable material folded upon itself into U-shape to represent the front and back cover portions and a binder portion of the book, a separate member inserted between said cover portions to represent the leaf edges and to define an enclosure between said covers, a plurality of retaining clips engaging within openings provided in said covers for retaining said covers in position, each clip being made of a single piece of wire, said leaf edge forming member having a part interengaging with one of said clips to hold one portion of said

leaf edge forming member in position, said leaf edge forming member having another part engaging another of said clips to hold said second clip against displacement.



ment, and said leaf edge forming member having a third part engaging a third clip for holding the first mentioned part in cooperative assembly with the first clip and for holding the third clip against displacement.

1,519,796. FLUSH-TANK FITTING. ADAM N. PASHMAN, Waterbury, Conn. Filed Dec. 6, 1921. Serial No. 520,211. 2 Claims. (Cl. 4-67.)



1. A fitting for operating flush valves comprising a stud and socket device adapted to be attached to the wall of a flush tank, a lever for actuating the flush valve, and a spindle passing through and journaled in the said stud member and having an integral offset inner end adapted to engage the said lever to actuate the same, the socket member being provided with a recess in the outer face thereof, whereby the offset end of the spindle may be passed through the said socket member before the stud engages the said socket member.

1,519,797. CLOCK MECHANISM. STEVEN PERDI, New York, N. Y. Filed Oct. 17, 1923. Serial No. 668,973. 5 Claims. (Cl. 58-25.)

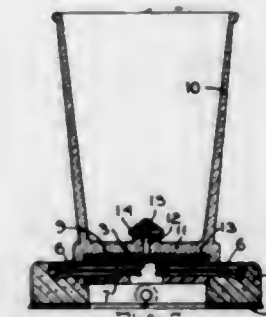
1. In a clock, control means for an electrically driven clock comprising a fixed contact finger, spring contact fingers on each side of said fixed finger and normally

engaged therewith, a rotary shaft, a finger on said shaft adapted to lift said spring contacts alternately out of



engagement with said fixed contact, a power device for the clock movement, and means whereby said shaft is driven by the said power device.

1,519,798. DRINK MIXER AND SIMILAR DEVICE. EARL J. PILKINGTON, Cambridge, and FRANCIS A. OLMSTEAD, Everett, Mass. Filed Sept. 15, 1921. Serial No. 500,936. Renewed Oct. 31, 1924. 6 Claims. (Cl. 172-120.)



1. A device of the class described comprising independent complementary members one of which embodies a substantially flat stator of an induction motor having flat radial field windings extending in substantial parallelism with the face of the stator, and the other member of which embodies a disk-like rotor adapted when juxtaposed coaxially upon said stator to establish a relation between said stator and rotor operable to cause a suitable current imposed upon the field windings of said stator to actuate said rotor and means operable by the rotation of said rotor.

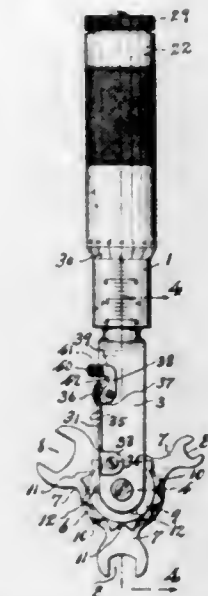
1,519,799. SPRING EXPANDING BRACELET AND WRISTLET. WILLIAM A. E. REED, North Carlton, near Melbourne, Victoria, Australia. Filed Sept. 13, 1922. Serial No. 587,912. 4 Claims. (Cl. 59-79.)



1. A spring expanding bracelet or wristlet having links each of which comprises a fixed member, a slidable element telescopically arranged in said fixed member, a longitudinal groove in one of the horizontal bars of the fixed link member, a tongue on the slidable element fitting said groove, and a spring encased by said link members.

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1,519,800. MICROMETER OR TENSION WRENCH. GEORGES RUFFIARD, New York, N. Y. Filed Feb. 18, 1924. Serial No. 693,521. 7 Claims. (Cl. 81-53.)

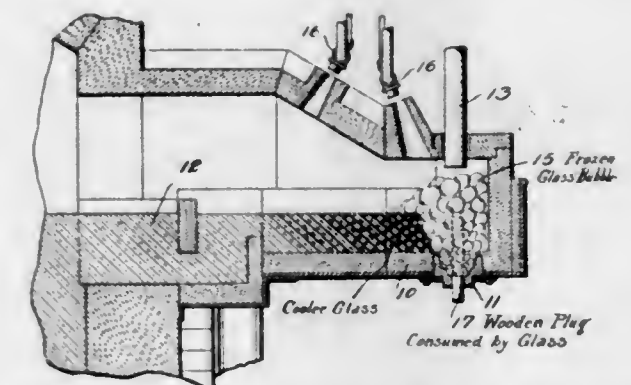


1. In a device of the kind described, a hollow handle member having a bifurcated lower end, a wrench plate rotatably mounted in said bifurcated lower end of said handle member, a lock-block having a stem extending into said hollow handle member, means on said wrench plate with which said lock-block cooperates, a compression spring within said hollow handle member and cooperating with the stem of said lock-block for yieldably holding the latter operatively engaged with said wrench plate, a micrometer head threaded upon said handle-member to engage and vary the tension of said compression spring, and means connected with said head for adjusting the normal initial tension of said compression spring, comprising a spring seating means having a threaded shank engaged through the end wall of said head, and a finger piece secured to the external end of said shank.

1,519,801. YEAST FOOD AND PROCESS OF MAKING SAME. HENRY RILEY, Kearney, N. J., assignor of one-third to Harold A. Miller, Belleville, N. J., and one-third to Alfred A. K. Harlow, Nutley, N. J. Filed Mar. 17, 1924. Serial No. 699,892. 24 Claims. (Cl. 195-20.)

1. A yeast food prepared by propagating yeast in a mixture of boiled potato pulp and water used in boiling the same, hop extract and wheat flour and molasses, and causing autolysis of the yeast by addition of calcium sulphate and an ammonium salt.

1,519,802. METHOD OF DAMMING FLOW OF MOLTEN GLASS. ALEXANDER SAMUELSON, Terre Haute, Ind., assignor to William R. Root, Terre Haute, Ind. Filed Aug. 20, 1923. Serial No. 658,287. 9 Claims. (Cl. 49-77.)



9. The method of damming out-flow of molten glass, or similar material through a downwardly directed passage which consists in projecting a plug of combustible

material, such as wood, upwardly through the outlet and into the molten glass, thereby forming, between the supply of glass and the outlet of the passage, a mass of congealed bubbles of glass.

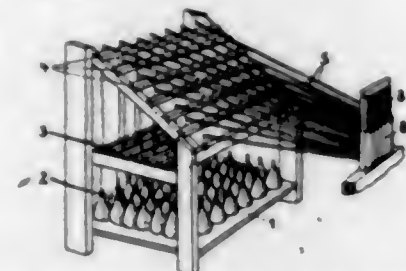
- 1,519,803. GASKET. WILLIAM S. SELLARS, Brooklyn, N. Y., and BERTON S. CLARK, Maywood, Ill., assignors to American Can Company, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1919. Serial No. 332,067. 4 Claims. (Cl. 91-68.)



1. A fibre gasket in the inclusion of a can for the hermetic sealing thereof, and having incorporated in it a water insoluble metallic soap deposit.

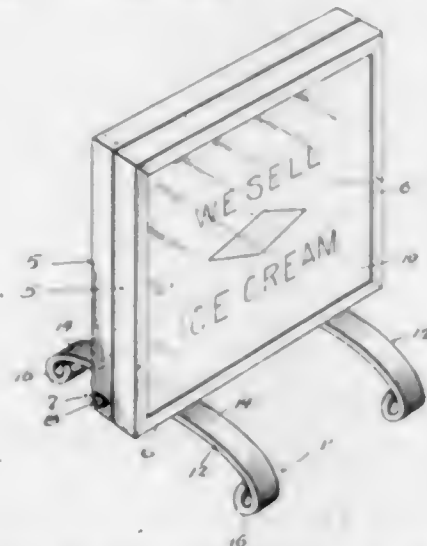
3. A fiber gasket for inclusion in the seam of a can for the hermetic sealing thereof and having aluminum oleate incorporated therein and forming a coating for the fibers thereof.

- 1,519,804. THREAD-CONDUCTING DEVICE FOR GRIPPER LOOMS. GOTTFRIED SIEBER, Pilsen, Germany. Filed Nov. 26, 1923. Serial No. 677,024. 6 Claims. (Cl. 139-122.)



6. A device for conducting the weft threads from the bobbin board to the thread board of a gripper loom, comprising in combination, a bobbin board, mandrels thereon, and bobbins on the mandrels; a thread board consisting of parallel vertical members, guides for the same, and thread conducting members arranged to form converging horizontal rows and converging vertical rows and extending from the bobbin board to the thread board and being movably connected with both boards, the rear ends of said conducting members lying approximately above the aperturing mandrels, as set forth.

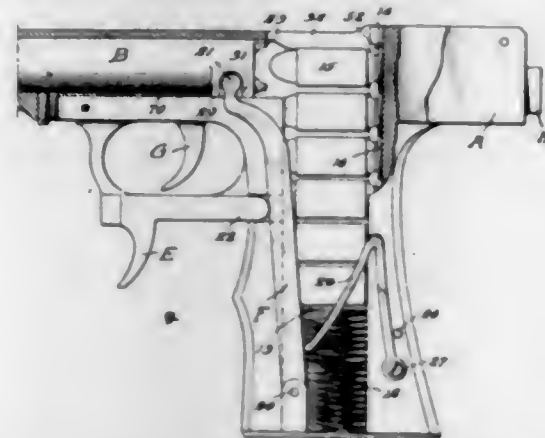
- 1,519,805. MENU-CARD HOLDER. NATHAN M. STONE, Chicago, Ill. Filed Apr. 28, 1924. Serial No. 709,405. 2 Claims. (Cl. 40-146.)



2. A menu card holder comprising a base having two hinged together, widely spreading base members, and two relatively heavy card gripping panels, one support-

ed on and rigidly secured to each base member, with one side face thereof extending approximately through the hinge of the base, whereby said sides of the panels are normally held in close contact, said panels acting under the influence of gravity to swing towards each other, and display cards secured on both sides of both panels.

- 1,519,806. MAGAZINE PISTOL. JOSEPH H. WESSON, deceased, late of Springfield, Mass., by Old Colony Trust Company, executor, Boston, Mass. Filed Dec. 7, 1920. Serial No. 428,943. 14 Claims. (Cl. 42-11.)

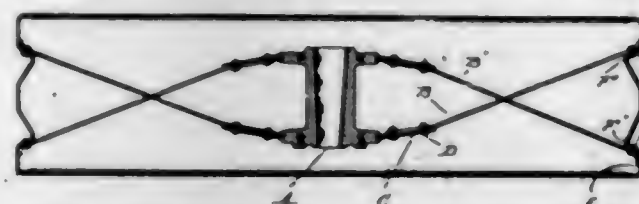


3. In a pistol, the combination of a sliding barrel, a magazine having a spring feeding cartridges transversely to the loading position, a stop arranged to engage and arrest a cartridge in line with the barrel, said stop movable longitudinally and adapted on the rearward loading movement of the barrel to be pressed backwardly thereby to free the cartridge, and movable also in direction transversely to such movement, with a spring acting to move it in such direction to bring it behind said cartridge.

9. In a pistol, a spring hammer, a trigger, a trigger extension comprising a push bar moved by the trigger and engaging a shoulder on the hammer, said push bar being laterally resilient, and a fixed part coacting therewith for laterally displacing said push bar to clear said shoulder.

11. In a pistol, the combination of a frame, a slideable barrel adapted to move back and receive a cartridge, firing means including a trigger, and a trigger lock adapted to prevent the pulling of the trigger until the barrel is fully retracted, the trigger movable longitudinally of the barrel, and the trigger lock movable transversely thereof.

- 1,519,807. RIM AND SPOKE CONNECTION. THOMAS C. WHITEHEAD, Detroit, Mich. Filed Jan. 10, 1921. Serial No. 436,134. 7 Claims. (Cl. 301-67.)

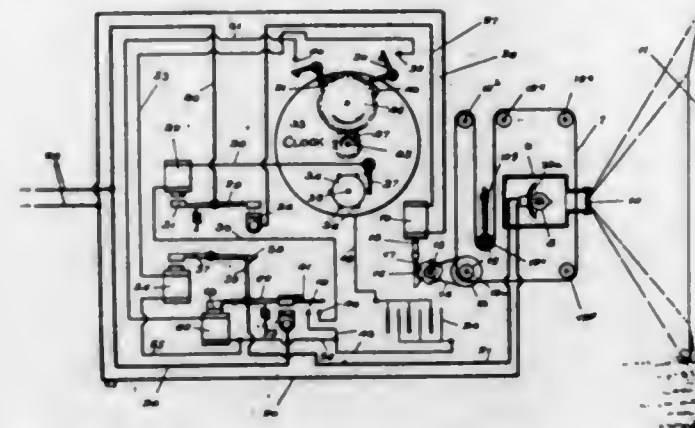


4. In a wheel, a rim having spaced circumferential corrugations extending inwardly in opposite directions, a plurality of spokes engaging said corrugations, said spokes having laterally extending portions bearing against the flat portions of said rim, and headed elements securing said spokes to said corrugations.

- 1,519,808. AUTOMATIC CHANGEABLE PROJECTOR. WALTER D. CHRISTENSEN, Pueblo, Colo. Filed Feb. 2, 1923. Serial No. 616,574. 3 Claims. (Cl. 88-28.)

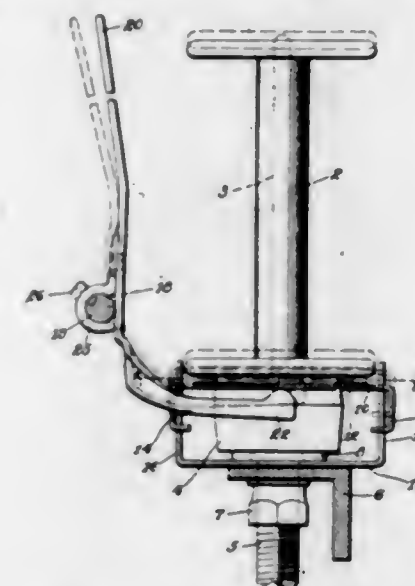
1. A projector having a series of slides and a lamp, a switch controlling said lamp, a catch for holding said switch in one position, a clock work, an electro-magnet

controlling said switch to move it to said position for the engagement of the catch, an electro-magnet controlling said catch to release said switch, operating means for



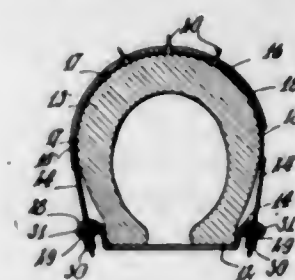
said series of slides controlled by the clock work, and switches for said electro-magnets controlled by the clock work at predetermined times.

- 1,519,809. HAND BRAKE FOR SPOOLING MACHINES. SERGE DANILOFF, Lowell, and ROBERT E. NAUMBURG, Winchester, Mass., assignors to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed June 20, 1922. Serial No. 569,666. 9 Claims. (Cl. 242-46.)



1. In a spooling machine, the combination of a spindle for supporting a spool, a brake mounted to engage the lower end of said spool, and means supporting said brake for sliding movement in a direction parallel to the axis of said spindle into and out of engagement with the spool.

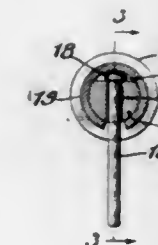
- 1,519,810. ANTISKID PNEUMATIC-TIRE PROTECTOR. DARIO FERRARI, Boston, Mass. Filed Apr. 10, 1924. Serial No. 705,496. 2 Claims. (Cl. 152-16.)



1. In a wheel, a tire holding rim, a tire seated thereon, a protector encircling said tire and comprising a tread portion and inwardly extending flaps, a channeled element extending around the side of the said rim, blocks

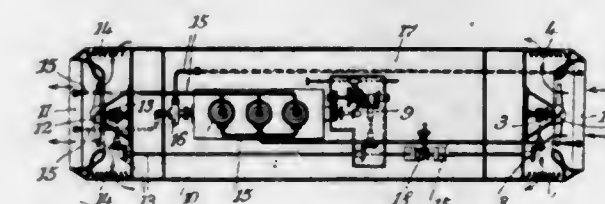
engaged in said channeled elements, screws attached at one end to said flaps and passing freely through said blocks, and nuts threaded upon said screws and adapted to bear on said blocks to hold the protector in place.

- 1,519,811. TELEPHONE RECEIVER OR TRANSMITTER. LAMBERT SCHMIDT, Brooklyn, N. Y., assignor to Radiotele Corporation, Brooklyn, N. Y. Filed June 26, 1922. Serial No. 570,870. 6 Claims. (Cl. 179-114.)



1. In combination with the vibratory armature of a magnetic structure and a part actuated thereby, means for transmitting the vibrations of the armature to said part, comprising a rigid element having a fixed connection at one of its ends to said part, said armature being provided with a seat, said element having a part at its other end loosely engaged on said seat, and means carried by the armature extending over said seat to retain said part in rocking contact therewith.

- 1,519,812. LOCOMOTIVE DRIVEN BY INTERNAL-COMBUSTION ENGINE. HEINRICH SCHNEIDER, Winterthur, Switzerland. Filed June 3, 1924. Serial No. 717,555. 5 Claims. (Cl. 105-62.)

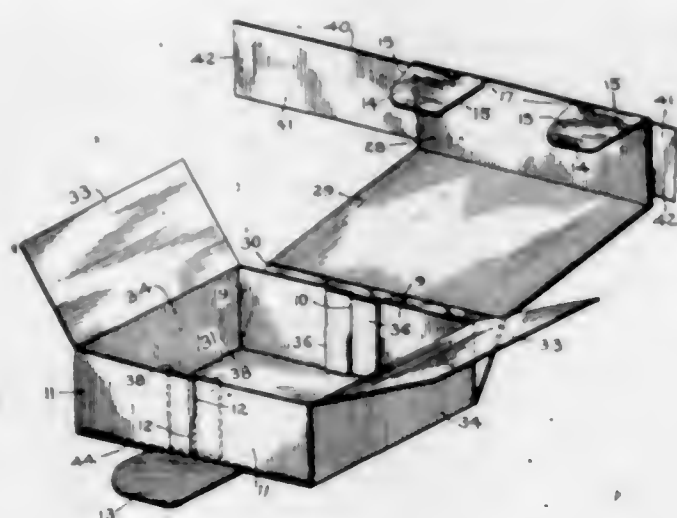


1. A cooling arrangement for locomotives driven by internal combustion engines, comprising in combination heat exchange devices provided at the ends of the locomotive, a fan arranged on the inner side of each heat exchange device and indirectly driven by the oil engine, guide apparatus inserted in openings provided in the longitudinal walls of the locomotive between the heat exchange devices and the engine room and having vanes inclined towards the vertical longitudinal centre plane of the locomotive, and means to control the direction of rotation of the fans so that, irrespective of the direction in which the locomotive travels, the front fan draws fresh air through the co-ordinate heat exchange device and discharges the heated air through the coordinate guide apparatus whilst the rear fan draws fresh air through the coordinate guide apparatus and discharges the air through its coordinate heat exchange device.

- 1,519,813. FOLDABLE BOX. WALTER E. SCOTT, Providence, R. I., assignor to The C. J. Fox Company, a Corporation of Rhode Island. Filed Jan. 12, 1924. Serial No. 685,724. 2 Claims. (Cl. 229-36.)

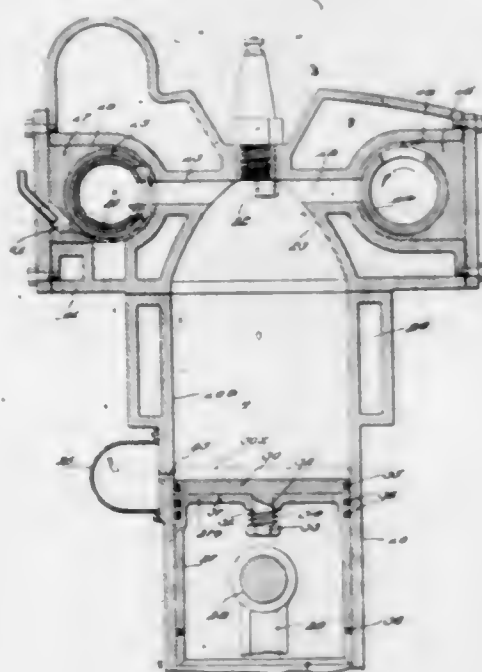
1. In a box of the character described, a connected base and side walls, a front wall integral with the side walls and disconnected with the base, a back wall integral with the side walls, a locking flap upon the front edge of

the base and foldable against the front wall, a foldable flap upon the opposite edge of the base embracing the back wall, the front wall, and the locking flap, locking



flaps upon the foldable flap insertable intermediate the front wall and the base and provided with notches adapted to receive the edges of the locking flap.

1,519,814. INTERNAL-COMBUSTION ENGINE. ALLAN P. TRASK, Bangor, Me. Filed May 24, 1922. Serial No. 593,425. 10 Claims. (Cl. 123-75.)

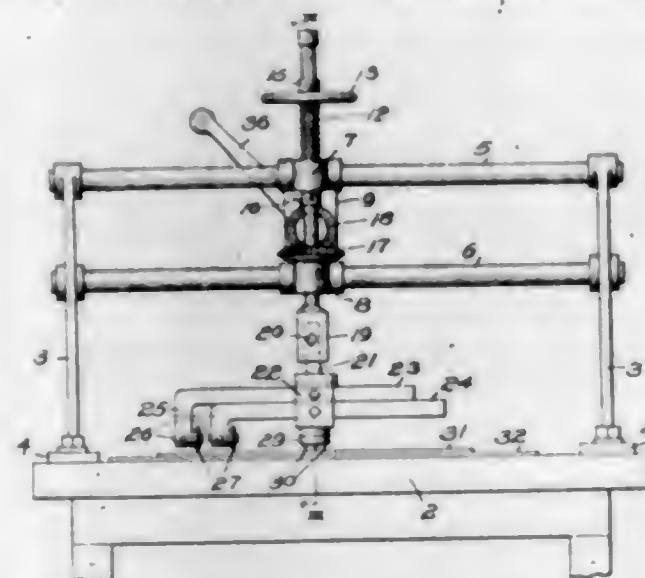


1. A four-cycle internal combustion engine comprising a cylinder, valve mechanism for controlling the intake and exhaust to the inner end thereof, an auxiliary exhaust port adjacent the outer end of the cylinder, a piston operative in the cylinder, and means associated with and borne by the piston for controlling said auxiliary exhaust port whereby it is opened at the end of each working stroke to the cylinder and closed at all other times.

1,519,815. GASKET CUTTER. CHARLES E. VANCE, Pittsburgh, Pa. Filed Dec. 14, 1920. Serial No. 430,612. 4 Claims. (Cl. 164-71.)

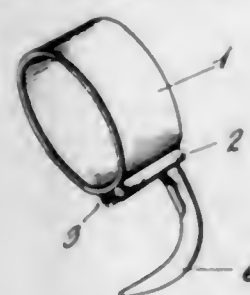
1. A gasket cutter comprising a table, a vertical standard on the table having a horizontally extending frame structure carried thereby above the top of the table, a carriage slidable on the frame and slidable therealong,

whereby it may be manually adjusted to various positions along the frame, a vertical bearing in the carriage, a shaft in the bearings, means for rotating the shaft



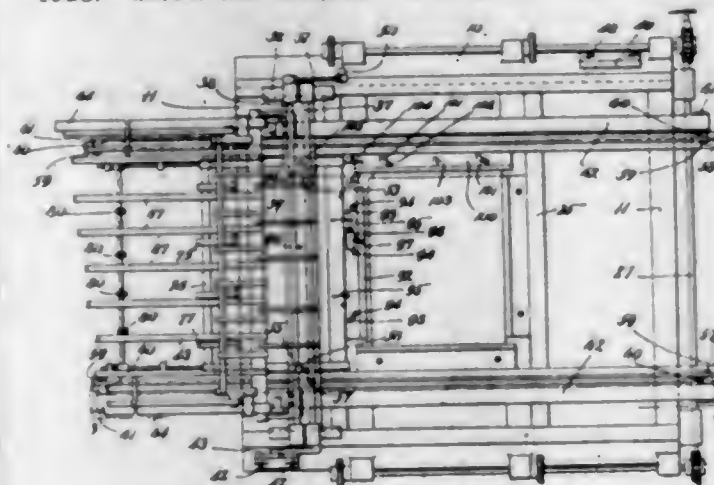
while the carriage remains stationary, and cutting means carried by the shaft and revolved about the axis of rotation of the shaft upon rotation of the shaft.

1,519,816. LETTER OPENER. LEONARD S. WARD, Valley City, N. Dak. Filed Feb. 5, 1923. Serial No. 617,023. 2 Claims. (Cl. 120-35.)



1. A device of the character described comprising an annular band adapted to be worn on the finger of the user, upstruck flanges on the exterior face of said band, inward edges on said flanges and disposed in equidistant spaced relation, a cutting blade, said blade having a curved shank and an enlarged base, said base being disposed between said flanges and underneath said inward edges, and a spur carried by said base for retaining said blade in position.

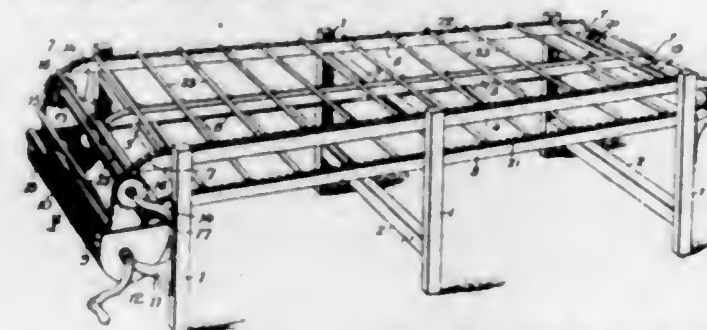
1,519,817. EXTENSION DELIVERY MECHANISM. MORRIS J. BAILEY, Winthrop, Mass. Filed Mar. 5, 1923. Serial No. 622,793. 2 Claims. (Cl. 271-87.)



2. An improved portable extension delivery table for printing presses and the like, comprising a frame, casters on which said frame is mounted, means for vertically adjusting the table with respect to the casters, a paper

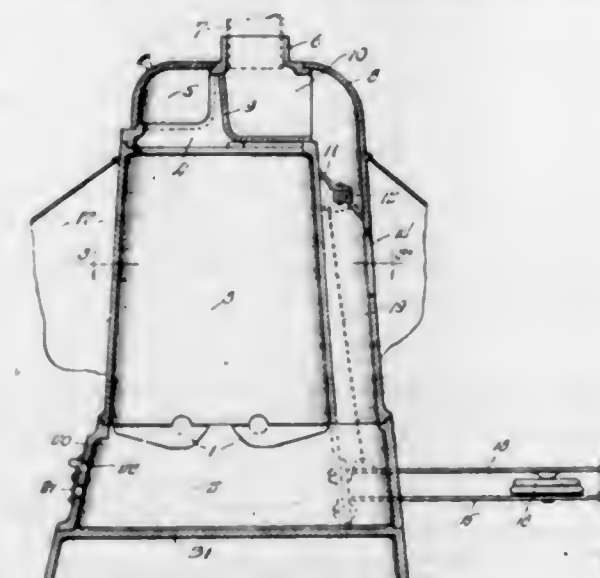
receiving table mounted on said frame and adjustably mounted for vertical movement with respect to said frame, paper feeding devices mounted on said frame, means for temporarily securing said frame to the delivery end of a printing press, means for coupling the paper feeding devices on the frame with paper feeding devices on the delivery end of a printing press, and means associated with said paper feeding devices for moving the paper holding table vertically with respect to the frame.

1,519,818. CHICKEN ROOST. JOSEPH E. BLOW, La Cygne, Kans. Filed Mar. 27, 1924. Serial No. 702,342. 4 Claims. (Cl. 119-25.)



2. In a chicken roost, a frame, stringers secured near the top of said frame and having downwardly bevelled ends extending at each end beyond the ends of the frame and constituting roost supports, a pair of sprocket idler wheels at each end of the frame, a tank at one end of the frame, an operating shaft in said tank sprocket wheels on said shaft, a pair of endless chains in driving relation with said sprocket wheels and a series of roosts extending transversely of the frame and connected to said chains, said stringers functioning to support the chains and roosts.

1,519,819. BROODER STOVE. HUGH L. GADDIS, Macomb, Ill., assignor to American Steel Products Co., Macomb, Ill., a Corporation of Illinois. Filed June 11, 1924. Serial No. 719,239. 12 Claims. (Cl. 126-58.)

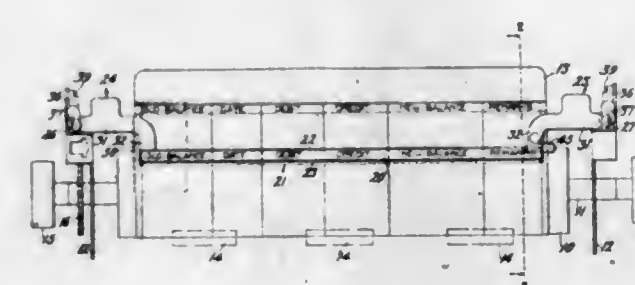


1. In a stove, a heater chamber disposed above an ashpit and below a flue, a duct connecting the ashpit with the flue and having an intermediate air inlet, and a damper controlling the part of the flue between the air inlet and the flue.

1,519,820. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, Phoenix, Ariz., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 15, 1921. Serial No. 452,442. 2 Claims. (Cl. 197-187.)

1. In a front-strike typewriting machine for typing on a work-sheet which includes a series of headed columns, a platen, a platen-frame, a paper-guiding shelf at the

introductory side of the platen for guiding work-sheets to the platen, feed-rolls co-operating with the platen for feeding the work-sheet, means for casting off the feed-rolls to permit adjustment of the work-sheet, a narrow column locating and indicating heading strip having characteristic column headings and divisions identical with column headings and divisions on the work-sheet, a U-shaped heading-strip carrier having rearwardly-extending legs beyond the end of the platen which are pivotally mounted at their rear on the platen-frame and are arranged normally to co-act with the end portions of the platen-frame to support the heading strip close to the platen but independently of the platen and out of contact therewith and immediately above the line of writing in full view of an operator seated at the machine in writing position, the construction and arrangement being such that the feed-rolls may be cast off and a work-sheet



adjusted freely between the heading-strip carrier in its normal position and the platen to register the work-sheet columns with the corresponding heading-strip divisions, and the heading strip and its carrier being sufficiently narrow and located sufficiently near the line of writing to permit the operator to grip the leading margin of the work-sheet above the heading strip and adjust the sheet to any writing-line position at the same operation and simultaneously with the registering of its columns with the divisions of the heading strip, and the heading-strip carrier being swingable on its pivot to a position to locate the heading strip and carrier completely out of the way in an ineffective position behind the paper-guiding shelf at the introductory side of the platen when it is desired to convert the machine for work which does not require the use of the heading strip, and means for retaining the carrier in effective or ineffective position.

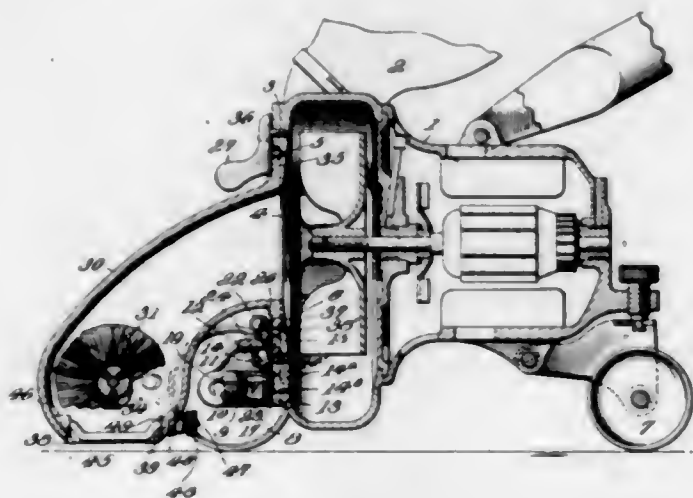
1,519,821. BOW SOCKET. ALMON W. CURTIS, Cortland, N. Y. Filed Oct. 8, 1920. Serial No. 415,627. 1 Claim. (Cl. 296-118.)



A bow-socket comprising a sheet-metal tube tapered from end to end and seamless throughout its area, the larger end being open to receive the adjacent end of a bow in direct contact with its inner surface, in combination with a wooden filler-piece tightly fitted within the smaller end of the tube, and a solid metal insert also

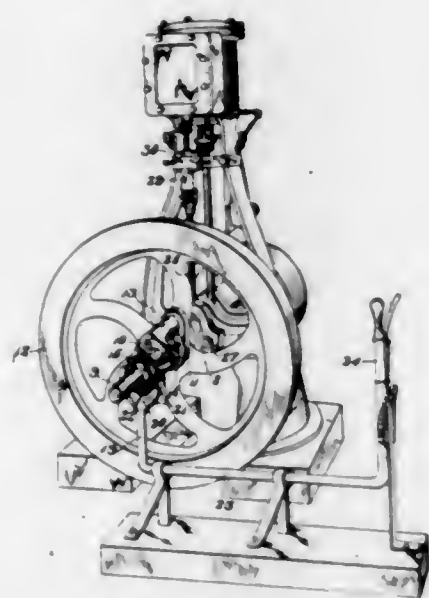
within the smaller end of the tube and having a reduced extension tightly fitted in an opening in the wooden filler-piece, said smaller end of the tube being extended to enclose the entire length of the solid metal insert and permanently welded thereto.

1,519,822. VACUUM CLEANER. CHARLES W. DAVIS. Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Feb. 21, 1922. Serial No. 538,332. 12 Claims. (Cl. 13-9.)



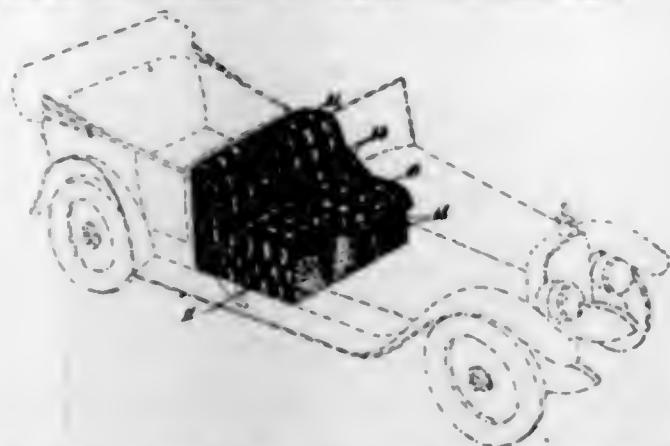
3. In a vacuum cleaner, a suction casing having a flat front face provided with an inlet opening, a transverse shaft below said opening, yielding bearings on the casing for said shaft; the shaft being offset between the bearings to form a cam-like flange-engaging clamp, and a second clamping member on said front face above the inlet opening.

1,519,823. REVERSIBLE STEAM ENGINE. LEWIS N. DAVIS. Akron, Ohio. Filed Jan. 24, 1922. Serial No. 531,394. 6 Claims. (Cl. 121-172.)



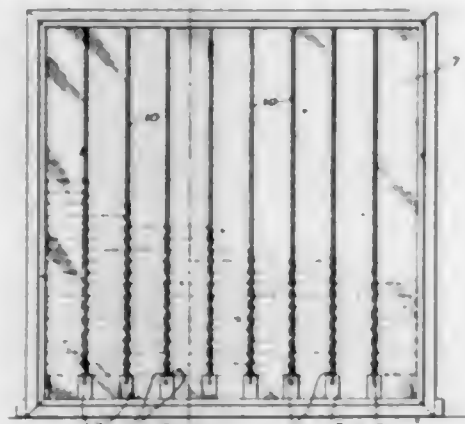
1. In an engine, a rotary shaft with a bearing secured on one side thereof, a rock shaft journaled in the bearing alongside the rotary shaft, an eccentric around the rotary shaft, rock arms on the rock shaft and means operating on the rock arms for turning the rock shaft to shift the eccentric into different positions.

1,519,824. ADJUSTABLE DRIVING SEAT. HARRY R. DE VEAU. Mount Vernon, N. Y. Filed Mar. 10, 1923. Serial No. 624,133. 5 Claims. (Cl. 155-14.)



1. In a vehicle, a seat, a separate back for said seat, guides for said seat and back to permit of forward or backward adjustment thereof, and means for moving said seat and back either independently of one another or as a unit along said guides.

1,519,825. MERCHANDISE CASE AND DISTRIBUTOR. HENRY S. DOUGLASS. Statesville, N. C. Filed May 24, 1923. Serial No. 641,190. 1 Claim. (Cl. 211-16.)

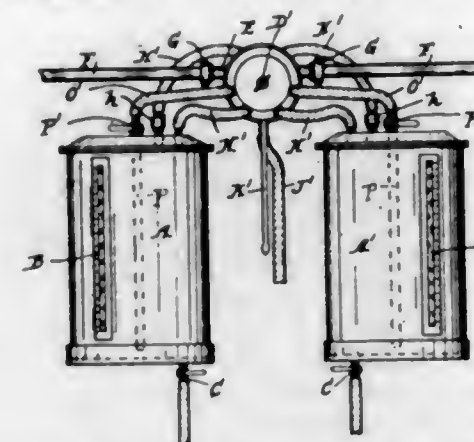


In a merchandise case and distributor, a frame having a base, a glass closure for the front of the case, a glass door at the rear of the case, blocks on the bottom of the case having grooves, glass partitions seated in the grooves of the blocks, the upper surfaces of the said blocks constituting shoulders for supporting merchandise stacked between the partitions, and means for hingedly supporting the door above the plane of the upper surfaces of the blocks.

1,519,826. APPLIANCE FOR USE WITH MILKING-MACHINE INSTALLATIONS FOR MEASURING EACH COW'S MILK. JAMES WILFRED FUGE, Featherston, New Zealand, assignor to The Fuge New Way Milking Machine and Tester Company Limited, Featherston, New Zealand. Filed Oct. 20, 1923. Serial No. 669,853. 3 Claims. (Cl. 31-58.)

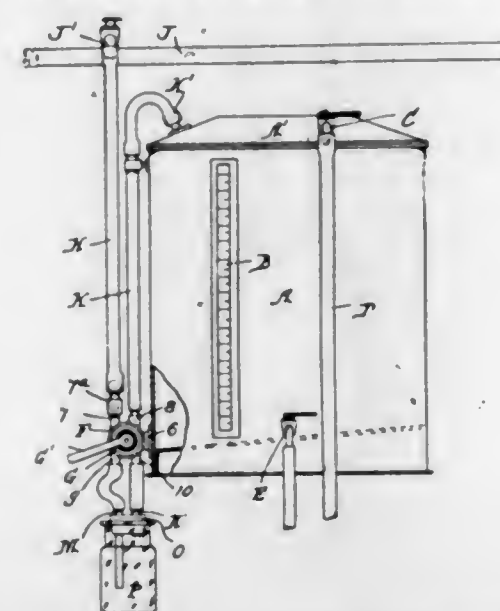
1. In a vacuum-operated liquid dispensing installation, the combination, with an inlet pipe for the liquid, a pair of air-tight vessels, and a vacuum main: of a valve disposed between such vessels and comprising a fixed part having two ports connecting with the vacuum main, two ports connecting respectively with the two vessels, and a single port connected to the inlet pipe; and a movable part mounted on the surface of the said fixed part and constructed with port connections leading one to the top of each vessel and one to the bottom of each vessel, and with a groove on its face adjacent to the fixed part adapted to bridge the vacuum main ports and vessel-connected ports of the fixed part; said ports and groove being relatively so disposed that in a central position of the movable part of the valve both vessels are connected to the vacuum main, in a first position of

the movable part to either side of said central position both vessels are still connected with the vacuum main and one vessel is also connected with the inlet pipe, and in a second position of the movable part to the same side



the connection of the said vessel with the vacuum main and with the inlet pipe is maintained, while the other vessel is connected only to the vacuum main through the connection leading into its bottom.

1,519,827. MEASURING MEANS FOR USE IN MILKING-MACHINE INSTALLATIONS. JAMES WILFRED FUGE, Featherston, New Zealand, assignor to The Fuge New Way Milking Machine and Tester Company Limited, Featherston, New Zealand. Filed Nov. 5, 1923. Serial No. 672,946. 3 Claims. (Cl. 31-58.)

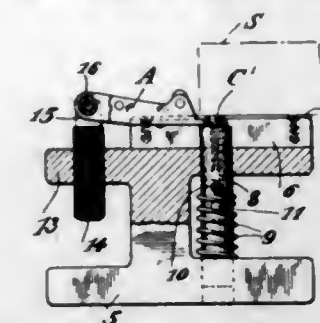


1. In a vacuum operated liquid measuring and dispensing installation, the combination, with a vacuum main, and an air-tight vessel provided with an inlet pipe for the liquid; of a valve casing, a branch connecting leading to said casing from the bottom of said vessel, a pipe connection leading to the vacuum main from the valve casing, a pipe connection leading to said casing from the top of said vessel, and a rotary valve in said casing provided with a pair of separate passages; said passages adapted, in one position of the valve, to bridge the lower ends of the two pipe connections while closing the branch connection, thereby to connect said vessel and its inlet pipe with the vacuum; and, in another position of the valve, to provide communication between said branch connection and the vacuum pipe connection while cutting out communication between said vacuum pipe connection and the pipe connection leading from the vessel top, thereby to withdraw the liquid from the bottom of said vessel and deliver it to the vacuum main.

1,519,828. TOOL FOR USE IN GRINDING OR SHAPING IGNITION POINTS. CHARLES L. FUSAY, New York, N. Y. Filed Mar. 15, 1924. Serial No. 699,543. 4 Claims. (Cl. 51-216.)

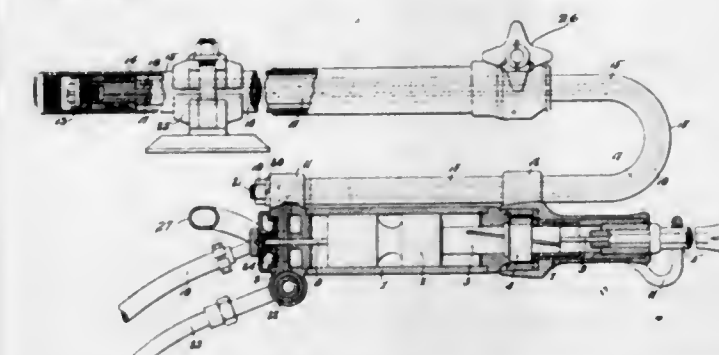
1. A tool of the character described, comprising a base having a channel in its upper surface and wear plates at

each side of said channel, a perpendicular post mounted in the base and adapted to support a contact point on its upper end, and a spring urging said post upwardly



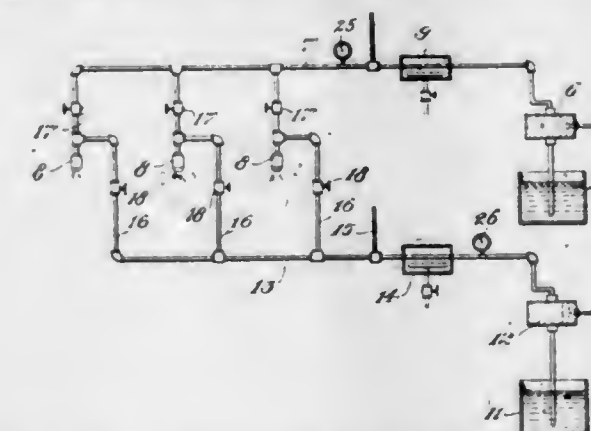
above the channel and acting to yieldingly press the contact point against the face of an abrasive member movable upon and across said wear plates.

1,519,829. PNEUMATICALLY-FED TOOL. GEORGE H. GILMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Nov. 8, 1918. Serial No. 261,686. 13 Claims. (Cl. 121-9.)



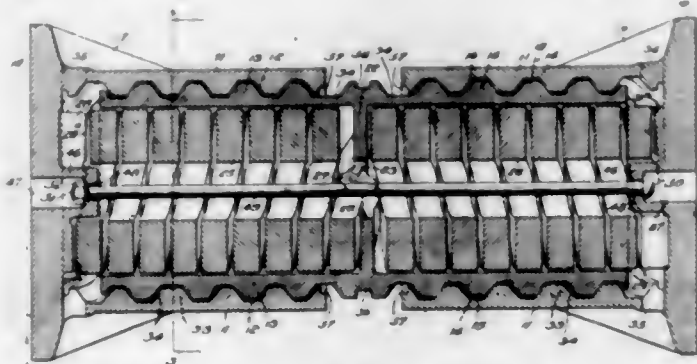
9. In a drilling apparatus, the combination including a motor, and feeding mechanism therefor comprising a cylinder, a piston reciprocating therein, and a piston rod secured to said piston, said piston rod having a re-bent portion parallel to said portion attached to the piston, said re-bent portion having formed thereon means for rigid attachment to the rear end of said motor, and said motor being formed at its front end with means for attachment to said arm.

1,519,830. METHOD OF ATOMIZING FUEL OILS. OSCAR C. GOERIZ, New York, N. Y. Filed Mar. 25, 1921. Serial No. 455,551. 1 Claim. (Cl. 158-117.5.)



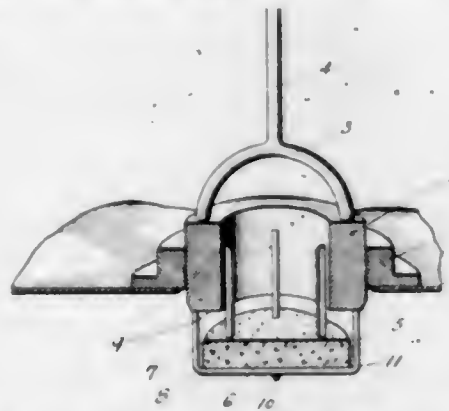
The method of atomizing fuel oils, which consists in mixing together oil and water heated to substantially the boiling point of water within a closed container under pressure greater than that of the atmosphere, discharging to the atmosphere the mixture of oil and heated water while under a pressure higher than that of the atmosphere, and converting, as it is discharged into the atmosphere, the heated water into steam by the difference of pressures between it and that of the atmosphere, whereby explosive effects produced by the expansion of the heated water into steam, atomizes the oil in intimate association with the heated water.

1,519,831. DRAFT GEAR. ERNEST G. GOODWIN, New York, N. Y., assignor to Standard Coupler Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 25, 1921. Serial No. 510,272. 12 Claims. (Cl. 213-28.)



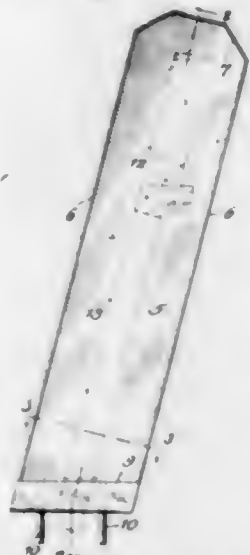
1. In a pressure resisting gear, a pair of relatively rotatable threaded members, a spring having a hole therein and adapted to hold said members in operative position, a lug on one of said members adapted to extend into said hole whereby improper assembly of the device is prevented.

1,519,832. VALVE. ALVAN M. GRIFFIN, Kansas City, Mo., assignor of one-half to Andrew A. Kramer, Kansas City, Mo. Filed June 28, 1923. Serial No. 648,278. 1 Claim. (Cl. 137-104.)



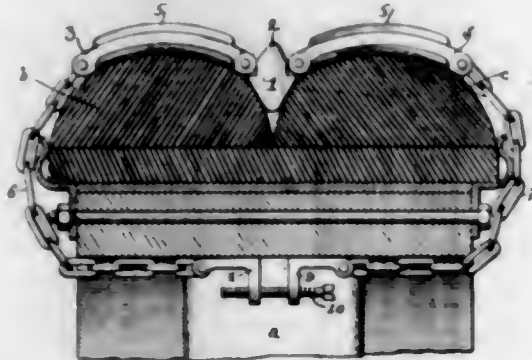
A valve mechanism comprising a threaded collar, a threaded ring in the collar having a valve seat, a cage depending from the ring, a float valve in the cage to seat upon the seat, and a stem on the valve seat whereby the valve seat can be turned in the collar.

1,519,833. STOCKING HOLDER FOR EMBROIDERY MACHINES. ALBERT HAGEN and PAUL SERRIG, West Hoboken, N. J. Filed Aug. 8, 1922. Serial No. 580,394. 8 Claims. (Cl. 112-90.)



4. An embroidery frame for finished hosiery having a back, an end wall, and side walls extending laterally from said back, forming an open front, and supporting means connected with one end of said frame.

1,519,834. TRACTION DEVICE FOR DUAL-TIRED WHEELS. MICHAEL HALLANAN, New York, N. Y. Filed Dec. 7, 1923. Serial No. 679,136. 2 Claims. (Cl. 152-2.)



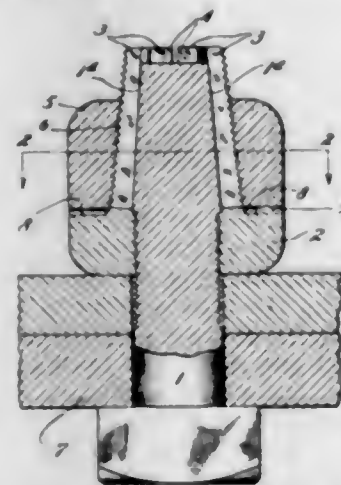
2. A traction device for dual tired wheels comprising a ribbed center piece adapted to lie between tires, bearing plates hinged to the center piece on either side thereof adapted to lie on the treads of tires and ribbed transversely on their outer faces with respect to the center piece rib and means for securing the device to a wheel.

1,519,835. BOWLING PIN. ERNEST HEDENSKOOG, Muskegon, Mich. Filed Apr. 7, 1922. Serial No. 550,404. 6 Claims. (Cl. 273-82.)



1. A bowling pin, comprising a hollow body, of stiff, resilient material and containing a reinforcing charge of gas highly compressed.

1,519,836. NUT LOCK. ALBERT D. HERSCHLER, Canton, Ohio. Filed Dec. 14, 1923. Serial No. 680,587. 6 Claims. (Cl. 151-19.)



1. In combination with a bolt having flattened faces, a nut provided with a plurality of outwardly projecting locking fingers having an inner faces for engagement

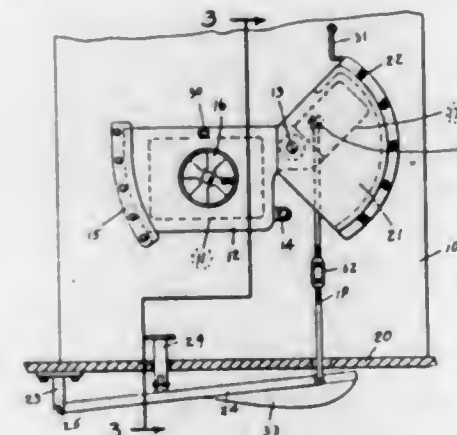
with the flat faces of the bolt and a locking member embracing the locking fingers and forcing them inward into contact with the flat faces of the bolt.

1,519,837. OPERATING MECHANISM FOR SUNSHADES AND THE LIKE. GEORGE N. HEIN, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,180. 5 Claims. (Cl. 296-95.)



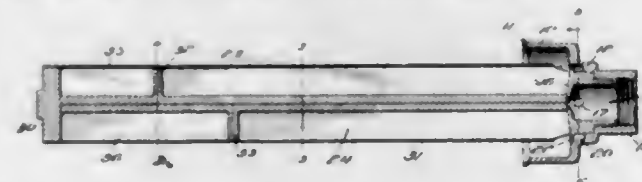
1. In combination with a tubular rod supported at its ends for axial rotation and held from longitudinal movement, said rod provided with a slot disposed obliquely to its axis of rotation, a member movable longitudinally within the rod and cooperating with the rod and held from axial rotation, a pin carried by said member and receivable in said slot, means for moving said member longitudinally to impart axial rotation to the rod, and a sunshade extending radially from said rod and secured at one edge thereto.

1,519,838. FIRING DOOR FOR BOILERS AND FURNACES. ROBERT T. HERRON, Greenwood, Ind. Filed June 7, 1924. Serial No. 718,469. 4 Claims. (Cl. 110-178.)



1. The combination with the wall of a fire box or the like having an opening therein, a door associated therewith, and a floor, of means for controlling the position of said door comprising a rod connected therewith extending through the floor, a lever having one end connected with said rod and the other end pivotally connected with the under side of said floor, said lever extending thereunder substantially parallel with said wall, a beam having one end pivotally connected with the under side of said floor and the other end connected with said lever, said beam extending away from said wall at substantially right angles thereto, and a pedal member mounted on said beam and projecting upwardly through said floor in position to be accessible for the operation thereof.

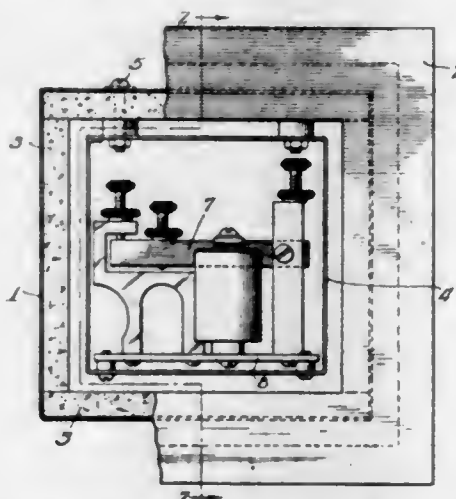
1,519,839. AUTOMOBILE WHISTLE. HOWARD P. HUFFMAN, Gadsden, Ala. Filed Mar. 24, 1924. Serial No. 701,367. 1 Claim. (Cl. 116-138.)



A whistle of the character described comprising a bowl adapted for connection with the exhaust of an automobile engine, means in said bowl for dividing and projecting a blast of exhaust gases from said engine, a

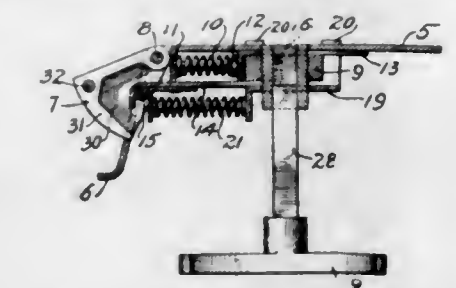
tubular plural chime chamber connected with said bowl, a closure for the outer end thereof, and a core for said chamber formed of a plurality of different length metal blanks bent substantially V shaped in cross section to form sectors of a circle when assembled, means for securing the meeting faces of said sectors together, and all of said sectors that are shorter than the length of the chime chamber having integral outer stop plates thereon.

1,519,840. TELEGRAPH SOUNDER. JOHN A. HULIT, Chicago, Ill. Filed Nov. 23, 1921. Serial No. 517,214. 6 Claims. (Cl. 178-99.)



1. In a telegraph sounder, the combination of a sheet metal housing open at one side to direct the sound in the desired direction, a sound deadening lining for said housing, a sheet metal resonator box in said housing, spaced a distance from said lining said box being open at the same side that said housing is open, and a sounder instrument in said box.

1,519,841. DOOR LATCH. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed May 11, 1923. Serial No. 638,245. 2 Claims. (Cl. 292-192.)



1. As an article of manufacture, a latch member comprising end plates of steel, and a plurality of substantially L-shaped laminations interposed between said steel end plates, a rivet extending through said end plates and through the interposed laminations at the angles of the L for securing said end plates and laminations rigidly together, a pivot pin between the two end plates and lying within the hollow body formed by the L-shaped laminations, and pivot means for pivotally mounting said latch member on a latch case.

1,519,842. HAT PAD. SAMUEL KANNER and SAMUEL JAFFE, New York, N. Y. Filed May 27, 1924. Serial No. 710,110. 3 Claims. (Cl. 2-185.)

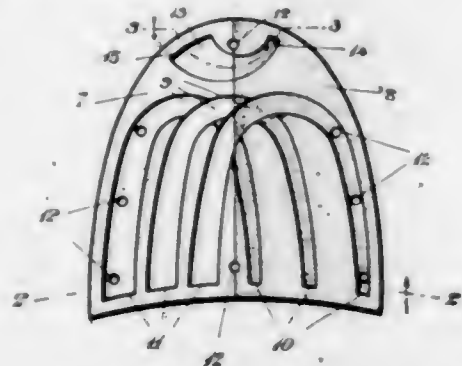
2. In combination with a hat pad having a stiffening member, attaching means for said pad consisting of a resilient metal strip extending longitudinally of said stiffening member, spaced pointed spur members projecting outwardly each having a base portion provided

with an opening, said strip having openings therein with which the openings in said base portions are adapted to register, and metal grommets extending through each



of said openings of the spur members and the metal strips and through the stiffening member and rigidly connecting said stiffening member, the resilient metal strip and the spur members with each other.

1,519,843. RUBBER HEEL. LOUIS KAPLAN, New York, N. Y. Filed Jan. 22, 1924. Serial No. 687,807. 9 Claims. (Cl. 26-59.)



1. A heel having grooves in its tread surface deeper and wider at one side than at the other to equalize the wearing qualities of the opposite side portions.

1,519,844. MOLD CONVEYER. AUGUSTUS N. KELLEY, Chicago, Ill., assignor to The Modern Foundry Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 8, 1921. Serial No. 513,757. 9 Claims. (Cl. 22-34.)

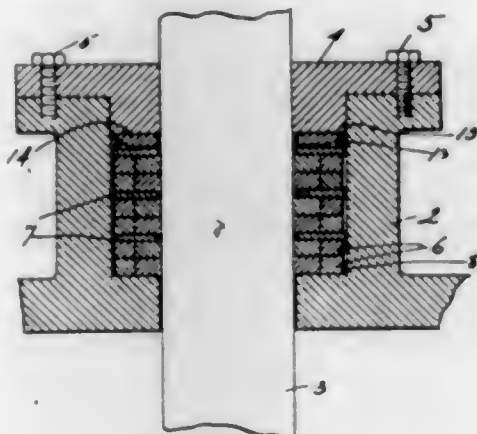


1. In combination with a stationary molding machine, a mold-conveying apparatus active, independently of the mold forming operation, to remove finished molds from the molding machine, said mold-conveying apparatus comprising a stationary inclined track, the upper end of which is adjacent, and independent of said molding-machine and level with the work-table thereof; and a reciprocating pallet-engaging device movable in a plane parallel with the track and having an effective movement in one direction for transferring a mold from said work-table to the track and an ineffective return movement; and manually operated means for controlling the movements of said pallet-engaging device.

1,519,845. METALLIC PACKING. JAMES R. KEOGH, Philadelphia, Pa. Filed June 29, 1922. Serial No. 571,635. 8 Claims. (Cl. 286-33.)

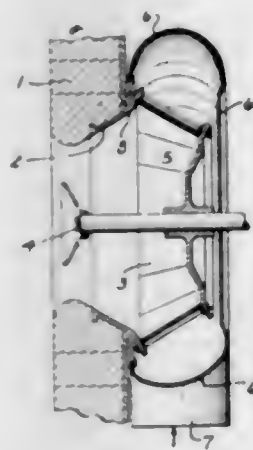
1. A metallic packing comprising in combination with a stuffing box and a rod passing therethrough, a series of contractible packing rings, separator rings interposed

between certain of said packing rings and in conjunction with said packing rings box and rod forming a circuitous passageway between said ring faces and edges to hold



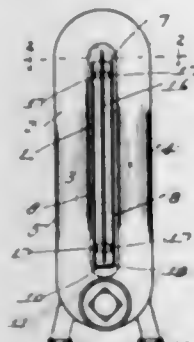
water of condensation which produces a water lock or baffle and acts as one of the packing elements, and means for forming a closure at the outer end of the stuffing box.

1,519,846. APPARATUS FOR DELIVERING AIR TANGENTIALLY TO AN AIR REGISTER. HARRISON E. KLEFFEL, New York, N. Y. Filed Sept. 24, 1923. Serial No. 664,516. 9 Claims. (Cl. 158-1.5.)



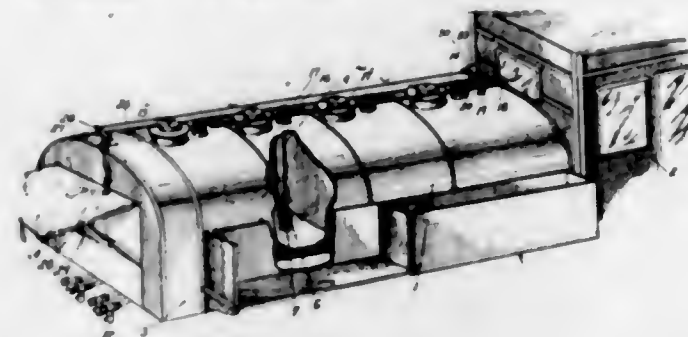
3. An air register, a casing surrounding the same and provided with an air inlet, the space between the casing and the register constantly decreasing as the distance from the inlet increases.

1,519,847. HUMIDIFIER. JOHN STUART KNEE, Grand Rapids, Mich. Filed Oct. 4, 1923. Serial No. 666,518. 3 Claims. (Cl. 237-78.)



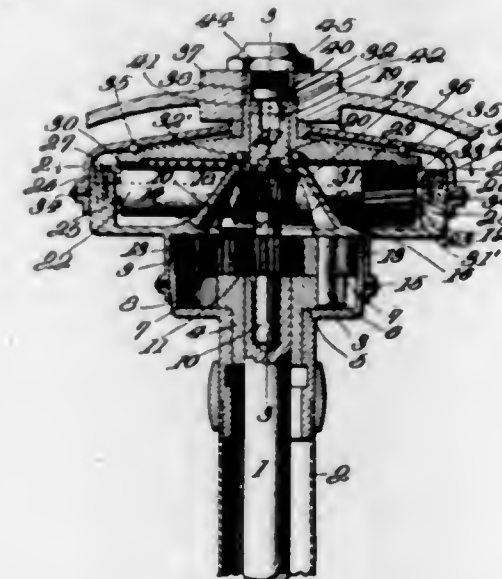
1. In a structure of the character described: a heat radiator; an open-top deep and narrow vessel supported thereon; a plate positioned vertically edgewise in the vessel and spaced from its opposite sides and from its bottom and from at least one of its ends.

1,519,848. VALVE-OPERATING-MECHANISM TANK. ANDREW A. KRAMER and ALVAH M. GRIFFIN, Kansas City, Mo. Filed Sept. 19, 1923. Serial No. 663,654. 4 Claims. (Cl. 220-88.)



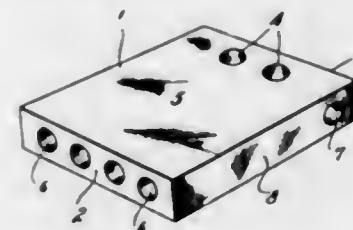
1. In combination with a tank having a discharge opening therein, a valve normally closing said opening and a can box on the tank having a door, of mechanism connecting the valve and the door whereby the opening movement of the door will unseat the valve, the mechanism having a fusible link as a part thereof.

1,519,849. AUTOMOBILE SAFETY STEERING DEVICE. THEODORE LAKE, Toronto, Kans., assignor of one-half to Otis Ray Van Cleave, Toronto, Kans. Filed Jan. 19, 1923. Serial No. 613,724. 4 Claims. (Cl. 74-33.)



1. An attachable steering mechanism for Ford automobiles, provided with a vertical gear, of a housing having a projecting shaft, transverse members journaled in said housing, said members carrying gears meshing with the said vertical gear, a disk gear journaled on the said vertical shaft, said disk gear meshing with end gears, said disk gear carrying a vertical sleeve surrounding said shaft, and a steering wheel operatively connected with the said sleeve.

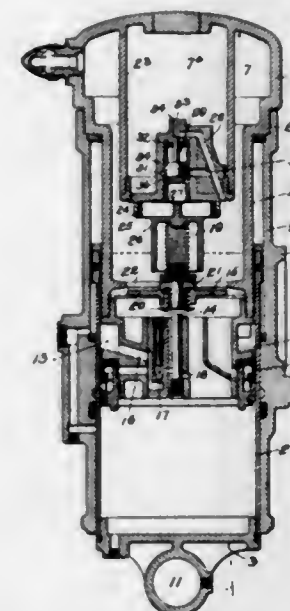
1,519,850. GAME. WILLIAM H. LAUTZENHEIMER, Louisville, Ohio. Filed Dec. 24, 1923. Serial No. 682,548. 3 Claims. (Cl. 273-108.)



3. A game including a block provided with a plurality of longitudinal passages extending through one end of the block, the passages near each side edge of the block

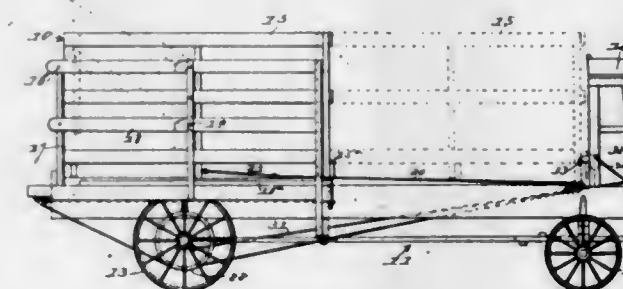
terminating in angular passages extending through the adjacent sides of the block and the central passages terminating in angular passages extending through the top of the block.

1,519,851. AUTOMATIC AIR SPRING. RICHARD LIEBAU, New Haven, Conn., assignor to The Westinghouse Air Spring Company, a Corporation of Pennsylvania. Filed Feb. 26, 1919, Serial No. 279,426. Renewed Oct. 6, 1924. 12 Claims. (Cl. 267-64.)



1. In an air spring, two cushion chambers, means placing said chambers in communication, and pressure responsive means operating upon an increase of pressure in one only of the chambers to close communication between said chambers.

1,519,852. HAYRACK. FRED E. LINDSLEY, Washington, Kans. Filed May 24, 1921. Serial No. 472,065. 1 Claim. (Cl. 214-815.)

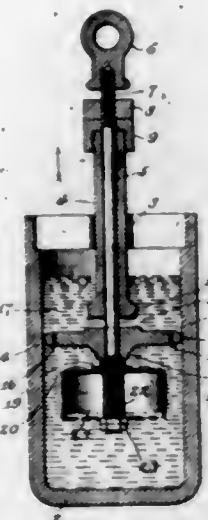


A vehicle having a sectional body comprising front and rear members of which the former is movable into collapsed relation with the latter, clutch controlled actuating means operatively engaged with the ground wheel for moving the front member from its collapsed position to its normal position in front of the rear member, an operating lever operatively connected with said clutch controlled means, a latch pivot on the frame of the vehicle and having a nose for engagement with the front member in the normal position of the latter, and a flexible connection between said latch and said operating lever whereby, when the latch is engaged with the front section, the operating lever is held in retracted position to retain said clutch controlled means inoperative.

1,519,853. GOVERNOR. OLOV GUSTAV LISSEN, Jersey City, N. J. Filed June 21, 1924. Serial No. 721,519. 6 Claims. (Cl. 188-96.)

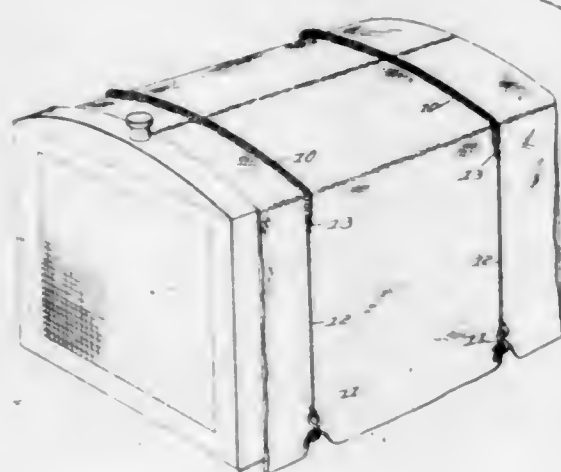
1. A governor of the character described comprising a cylinder open at one end, a piston slidably mounted in said cylinder, a rod loosely extending through said

piston, a cup rigidly secured to said rod at its lower end, a hollow shaft surrounding said rod and connected therewith near the upper end, said shaft falling short



of said piston when the piston is being supported by said cup, and means for connecting said rod to the mechanism to be governed.

1,519,854. FASTENER. LEON L. LOCKWOOD, Centerport Harbor, N. Y. Filed May 12, 1922. Serial No. 560,297. 1 Claim. (Cl. 24-73.)

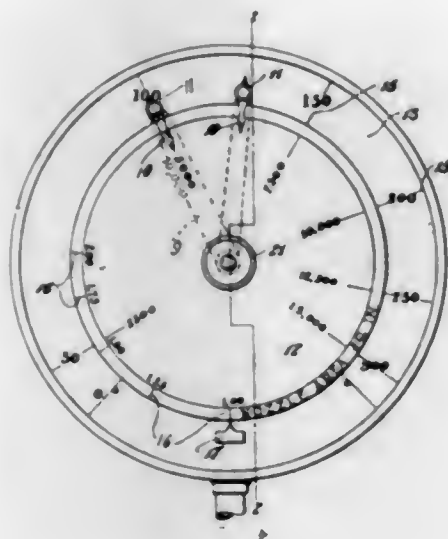


A robe or blanket holding device for the hoods of motor vehicles consisting of a spring coil for disposition in spanning relation to the hood, wire strands having terminal interlocking eye engagement with the spring coil and adapted for disposition at the sides of the hood, and terminal hooks carried at the extremities of said strands for engagement with the elements of a vehicle frame.

1,519,855. FLOW METER. WILLIAM J. A. LONDON, Springfield, Mass. Filed Nov. 23, 1923. Serial No. 676,655. 5 Claims. (Cl. 73-109.)

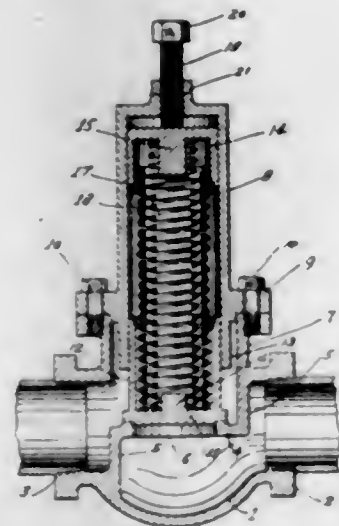
1. In a fluid flow meter, the combination, of a dial to indicate pressures of the fluid, as steam, a movable dial for indicating the weight of the flow of the fluid per hour and having thereon a series of figures for indicating the nozzle area in square inches and other figures for indicating the weight of the fluid, a Bourdon tube, a

pointer adapted to swing over both scales of the dial thereon, a compensating mechanism between the pointer and the Bourdon tube, whereby the pointer will simul-



taneously designate the fluid pressure and the flow of the fluid per hour corresponding to nozzles of different areas.

1,519,856. VALVE. DAVID G. LORRAINE, Los Angeles, Calif. Filed Feb. 12, 1923. Serial No. 618,452. 3 Claims. (Cl. 137-53.)



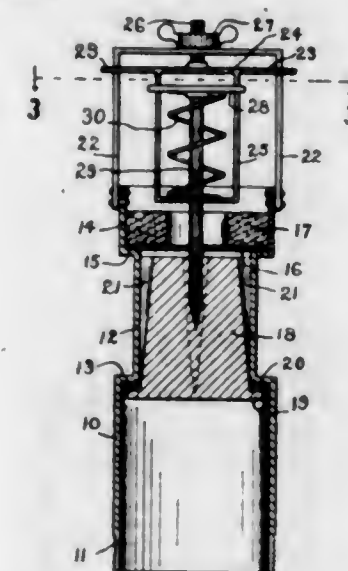
1. The combination with a valve casing having an opening of a separable bonnet mounted on said casing over said opening and having a depending portion extending into said casing, said bonnet having a threaded bore in its upper end, a bolt threaded through said bore, an end abutment in said bonnet spaced from said casing and adapted to be impinged by said bolt for adjusting said end abutment, said end abutment having a central depending pin and a peripheral depending flange slidably fitting in said bonnet for guiding said end abutment, a valve head adapted to seat in said casing and having a central upstanding pin and a peripheral upstanding flange slidably fitting in the depending portion of said bonnet for guiding said valve head and closing the interior of said bonnet to the flow through said casing, and coil springs of different strength received one within another in said bonnet and having their ends received over said central pins within said peripheral flanges, said springs abutting at one end against said valve head, the weaker of said springs abutting at its opposite end against said end abutment, and the stronger of said springs normally terminating short of said end abutment at its opposite end.

1,519,857. PARACHUTE. OWEN DAVID LUCAS, Westminster, London, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed May 5, 1923. Serial No. 636,790. 4 Claims. (Cl. 244-21.)



1. In a parachute, the combination of a fabric in the form of a cylindrical band, connections between the upper and lower edges of said band and the load to be supported and means for permitting upward movement of said upper edge when a predetermined resistance has been attained.

1,519,858. VALVE. FRANK E. LUMLEY, Omaha, Nebr. Filed Feb. 23, 1924. Serial No. 694,761. 3 Claims. (Cl. 251-145.)

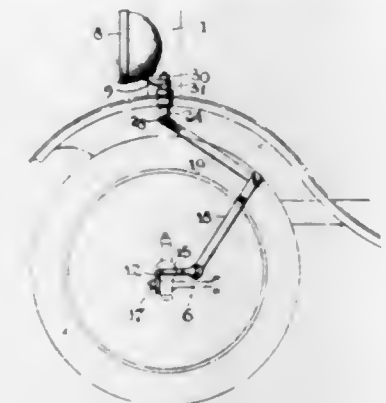


1. In a release valve for vacuum systems, a cylinder having a downwardly facing shoulder, a valve in the cylinder having an upwardly facing seating portion, a frame carried by the casing, an inner frame slidably mounted on the outer frame and held thereby from turning, a cross head mounted in the inner frame arranged to slide therein and held thereby from turning, a spring in the inner frame between the same and the cross head, and means for raising and lowering the inner frame upon the outer frame.

1,519,859. DIRIGIBLE HEADLIGHT. WILLIAM S. MCCAMMON, Springfield, Mo. Filed Feb. 1, 1924. Serial No. 689,865. 2 Claims. (Cl. 240-62.)

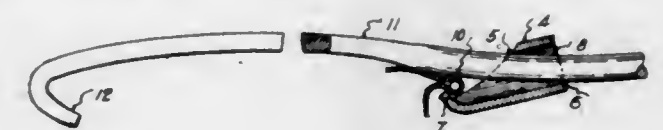
1. A headlight shifting mechanism for motor vehicles comprising an actuating element including a vertically disposed and a rearwardly extending arm, said vertical arm having means for connecting it with the spindle arm

of a steering mechanism, said longitudinal arm extending lengthwise of the vehicle and formed with a yoke-shaped rear end, upper and lower lever arms, lever arms permanently extending in opposite inclinations with respect to each other, said lower arm pivotally connected to said yoke-shaped rear end of the longitudinal arm and having its upper end of yoke-shape contour, said upper



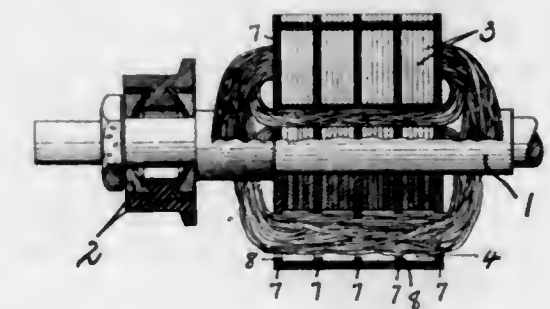
arm pivotally connected to the upper end of said lower arm, a rotatable headlight standard provided with means thereof, said standard having a bifurcated lower end, for fixedly securing a headlight to the upper portion thereof, said standard having a bifurcated lower end, and means for pivotally connecting the upper end of the upper arm directly to the bifurcated lower end of said standard.

1,519,860. AUTO FENDER BRACE LUG. ARTHUR J. MCLELLAND, Oklahoma City, Okla. Filed Apr. 22, 1924. Serial No. 708,272. 1 Claim. (Cl. 280-152.)



In combination with a pair of rods extending transversely of either the forward or the rearward end of the vehicle and forming a longitudinally adjustable support comprising rods having hooked ends adapted to engage the outer edges of the fenders, said rods being adjustably connected by a turnbuckle, a hollow cylindrical lug slidably engaging the said rods at the inner edges of the fenders, means provided on said lug for gripping said inner edges of fenders, means for gripping said rods so as to eliminate all bolts and rivets.

1,519,861. ARMATURE. CLARENCE A. MCELDOWNEY, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 4, 1922. Serial No. 541,105. 7 Claims. (Cl. 171-206.)

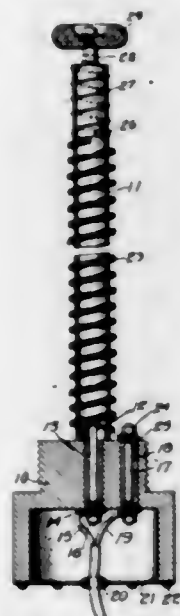


1. An armature comprising a pair of metallic laminations having aligned edge slots therein and an insulating disk interposed between the laminations and having edge slots aligned with and of less area than the slots in the laminations.

1,519,862. METAL ALLOY. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed Dec. 10, 1921. Serial No. 521,465. 6 Claims. (Cl. 75—1.)

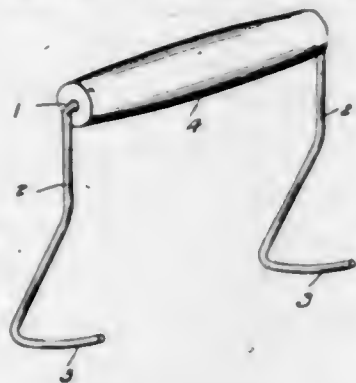
1. A metal alloy composed of copper, uranium, manganese and nickel in substantially the proportions stated.

1,519,863. ELECTRICALLY-HEATED UNIT FOR HEATING LIQUIDS. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed Mar. 20, 1922. Serial No. 545,205. 6 Claims. (Cl. 219—38.)



1. A heating unit for liquids comprising a base, an insulating core projecting therefrom at one end, rods extending through the base, one of said rods extending through the core and securing it in place, a resistance element connected to said latter rod at the outer end of the core, said element surrounding said core and secured to the other rod at its opposite end, substantially as set forth.

1,519,864. LIFTER FOR CYLINDER HEADS. JOSEPH N. MCKEEVER, Colfax, Iowa. Filed June 20, 1922. Serial No. 569,668. 1 Claim. (Cl. 294—26.)

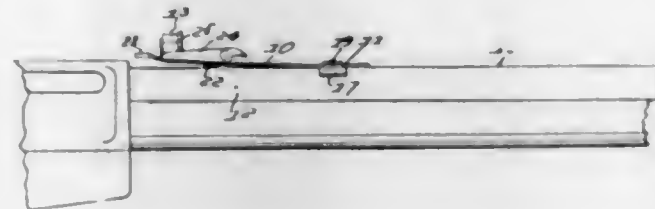


A cylinder head lifter comprising a handle, side members depending therefrom and having vertical upper portions and laterally deflected lower portions equal in length, and slightly curved elongated elements carried by the lower ends of said deflected portions and extending therefrom to and beyond a plane coincident with said vertical portions, the greater portions of said elements being located between said ends and plane.

1,519,865. RIFLE SIGHT. JOSEPH R. MAHLICH, Stanton, Mich. Filed Oct. 12, 1922. Serial No. 594,213. 4 Claims. (Cl. 33—58.)

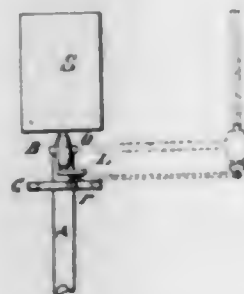
1. A rear sight for a fire arm having a barrel, the same comprising resilient plate or tongue provided with

means for attachment to the barrel and having a terminal ring forming a sight eye, an eye elevating finger pivotally mounted upon the plate or tongue for terminal



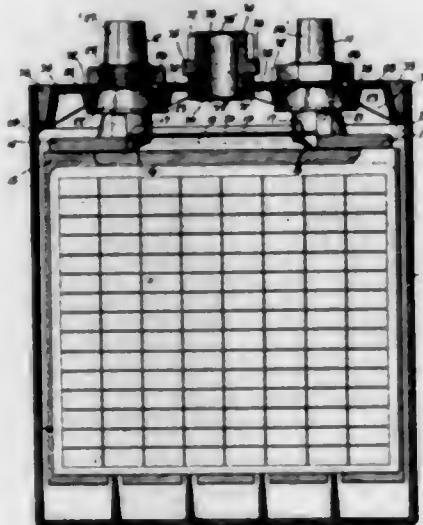
contact with the barrel, and means for moving the said finger to vary the position of the sight eye with relation to the bore of the barrel.

1,519,866. STABILIZER FOR FLYING APPARATUS SUSTAINED BY PROPELLERS. ALESSANDRO MARCHETTI, Rome, Italy. Filed June 29, 1921. Serial No. 481,272. 6 Claims. (Cl. 244—29.)



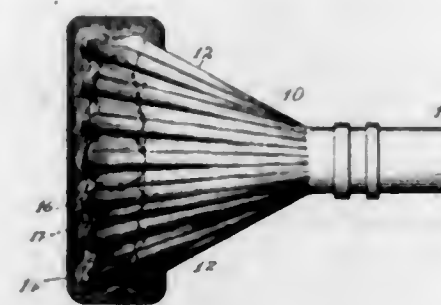
1. A stabilizer for flying apparatus sustained by propellers comprising a plurality of vanes carried by the propeller blades and adapted to rotate bodily therewith, and means to adjust the vanes individually and periodically about axes parallel to the axis of the propeller shaft.

1,519,867. STORAGE-BATTERY-CELL COVER. PAUL M. MARKO, Brooklyn, N. Y. Filed Apr. 12, 1921. Serial No. 460,717. 2 Claims. (Cl. 136—29.)



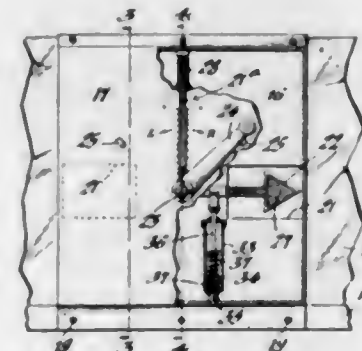
1. In a storage battery cell, the combination of a pair of binding posts having their intermediate portions enlarged and tapered, thin flexible gaskets encircling said enlarged portions, each post having at the lower edge of said enlarged portions an outwardly projecting flange to facilitate the placing of the gasket thereon and to assist in supporting the same, a cover plate resting upon the gaskets, and means carried by the posts serving to lock the cover thereon.

1,519,868. SUCTION CLEANING APPARATUS. AQUILA B. MARSHALL, Brooklyn, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 4, 1918. Serial No. 220,133. Renewed Apr. 30, 1924. 8 Claims. (Cl. 15—155.)



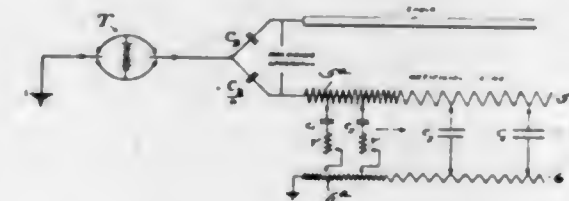
1. A suction cleaning tool comprising a body portion having inlet and outlet openings, and having a plurality of contiguous channels formed in the walls thereof extending from said inlet opening to said outlet opening, substantially as specified.

1,519,869. VEHICLE SIGNAL. JOSEPH J. MICHALSKI, Buffalo, N. Y. Filed May 24, 1923. Serial No. 641,180. 7 Claims. (Cl. 116—51.)



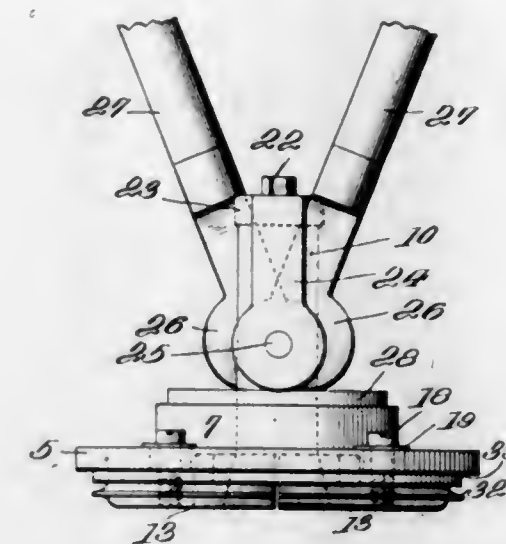
4. A signal for a vehicle windshield or the like, comprising a casing adapted for attachment to one side of the windshield, the front wall of said casing adjacent to the windshield having a sight opening therein, an indicating arm arranged within said casing and movable into and out of register with said opening, means for actuating said indicating arm to move it to signaling position, and unitary means for retaining the latter in its inoperative position and for returning the same to such position upon releasing said actuating means.

1,519,870. BALANCING OCEAN-CABLE SYSTEM. JOSEPH W. MILNOR, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Jan. 28, 1920. Serial No. 354,549. 16 Claims. (Cl. 178—63.)



1. An artificial cable or line for balancing the constants of an ocean cable, comprising separated parallel resistance sections adapted to be connected respectively to the cable and to ground, and condensers provided with adjustable means for connecting them between different points along said separated resistance sections.

1,519,871. CRIMPING TOOL. GEORGE EUGENE MITTINGER, Cleveland Heights, Ohio. Filed July 12, 1923. Serial No. 651,077. 9 Claims. (Cl. 113—18.)



1. In a crimping tool of the class described, comprising a crimping die base, outwardly movable dies operatively connected with the said base, a vertical stud passing through the said base and having its lower end tapered and lying between the inner ends of the dies, of a cam operatively connected with the said stud and engaging the said base for relatively actuating the stud in respect to the dies and forcing the latter outward, for the purpose described.

1,519,872. RAILROAD-CROSSING SIGNAL. OLE MOLSKNESS, Colman, S. Dak. Filed Aug. 18, 1922. Serial No. 582,757. 2 Claims. (Cl. 246—302.)

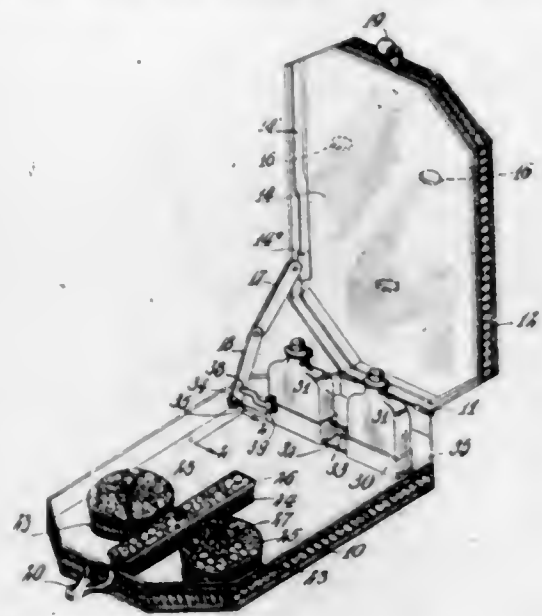


1. A railway crossing signal apparatus having a normally housed movable train signal element, a catch having connection with said signal element, a yielding latch for engagement by the catch to hold the said signal element in its housed position, wheel actuated trips arranged on the line or track and operatively connected with the latch for releasing the signal element, and a resetting mechanism having a wheel actuated element for returning the signal element to its housed position, the resetting mechanism having a plunger bar carrying said catch and operatively connected with the danger signal element and also including a rocker having a trip finger in the path of wheels traversing a track rail, said rocker being counterweighted and having an operative connection with the plunger bar.

1,519,873. PORTABLE HANGING VANITY CASE. PASQUALE MOSONILLO, Brooklyn, N. Y. Filed Dec. 12, 1923. Serial No. 680,079. 4 Claims. (Cl. 45—135.)

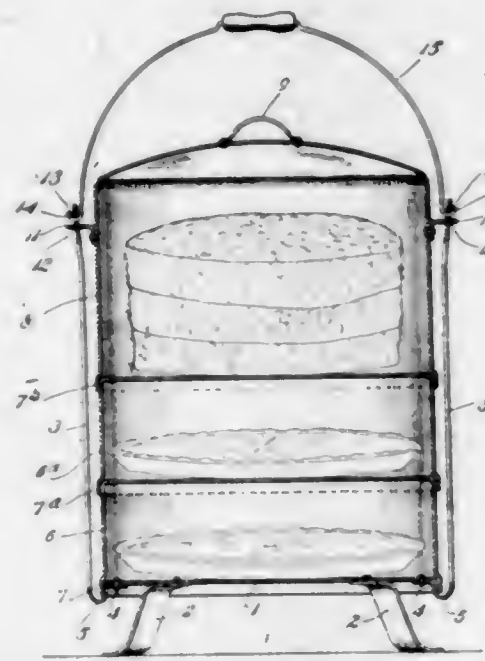
1. A vanity case comprising a body member, a cover hinged thereto, a receptacle for a liquid hinged to said body member, a pair of collapsible links connecting the

cover and body member and limiting the opening movement of the cover, and means adapted for operation by



said links to angularly adjust the said receptacle upon the said body member when the cover is swung on the latter.

1,519,874. PASTRY CONTAINER. JOHN B. PAGE, Canton, Ohio. Filed Nov. 20, 1923. Serial No. 675,847. 2 Claims. (Cl. 220-4.)

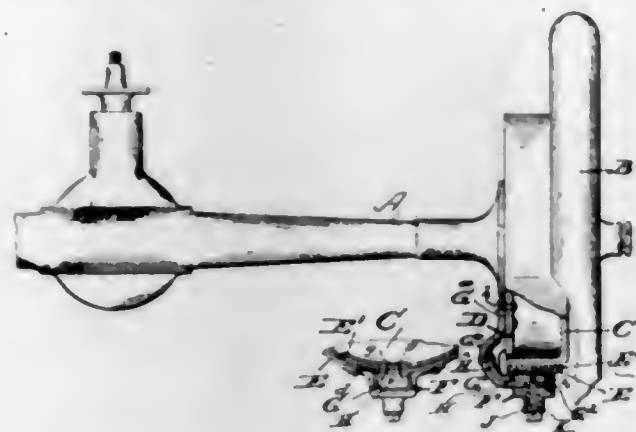


1. A pastry container including a base plate and a plurality of hollow cover members, the lower open end of each member fitting upon the top of the next member, vertical strips connected to the base plate and provided with apertures in their upper end portions, slotted ears upon the top and cover member receiving the upper ends of said strips, and a handle bail provided with hooked end portions for engagement with the apertures in said strips above said ears.

1,519,875. BRAKE-BAND ANCHOR BRACKET. ROY C. PARKS, Detroit, Mich., assignor to Hurry Brothers Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed July 18, 1924. Serial No. 726,668. 3 Claims. (Cl. 188-77.)

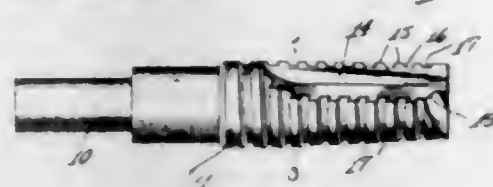
1. A device of the character described comprising a base plate adapted for attachment to the dust plate of a brake drum, having an arm bent at right angles to the base plate of which it is an integral part,—said arm being of channel-like form in cross-section; a rein-

forcing metallic inlay lodged between the walls of the channel-like arm and secured thereto, said reinforcing metallic inlay tapped to receive a bolt for connecting the arm with a brake band, said channel-arm having a



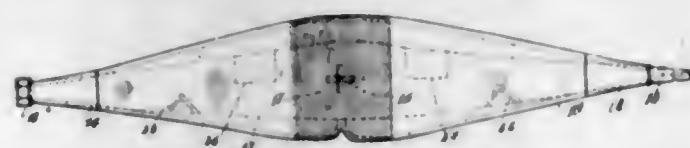
bore concentric with the tapped hole in the reinforcing metallic inlay, wherein a spring may be lodged to normally maintain the brake band in released relation to a brake drum.

1,519,876. ROUTING BIT. AD J. PHELPS, Albambra, Calif. Filed Dec. 28, 1923. Serial No. 683,237. 1 Claim. (Cl. 144-240.)



A routing bit including a shank having a head, said head having diametrically opposite and longitudinally extending ledges, one wall of each of which lies in a plane parallel with the corresponding wall of the other ledge and transversely of the head, the other wall of each ledge meeting the first wall at an acute angle, the outer faces of the portions of the head between said shoulders or ledges being formed with spirally extending ribs and grooves, said ribs and grooves being deepest at the point of intersection of the second walls with the peripheral face of the head and shallowest at the point of intersection of the first walls with said peripheral face, the deepest ends of the ribs and grooves being disposed in staggered relation to the shallowest ends of the other ribs and grooves.

1,519,877. COMBINATION VEST AND BELT. ANTHONY PIOTROWSKI, Chicago, Ill. Filed Apr. 22, 1924. Serial No. 708,110. 5 Claims. (Cl. 2-102.)

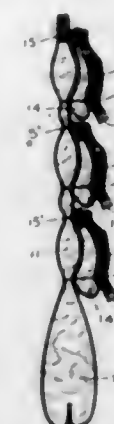


1. A garment of the class described comprising inner and outer bands, the outer band being shorter than the inner band, and elastic braids attaching the ends of the outer band to the inner band whereby the outer band is held under slight tension when the garment is being worn.

1,519,878. GARMENT ATTACHMENT. MAX POGATSKY and BARNETT H. GOLDSTEIN, New York, N. Y. Filed May 17, 1924. Serial No. 714,040. 12 Claims. (Cl. 2-226.)

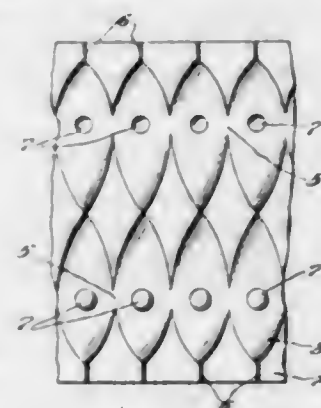
5. An attachment for garments comprising a resilient and compressible padded body member having surface

gripping means capable of penetrating the surface of fabric which it touches, said means comprising pinked stiffening material having horse hair points thereon



whereby when fastened to a garment and worn with apparel relatively positioned thereto, predetermined location of the two will be maintained.

1,519,879. RADIATOR. CHARLES H. SHAPIRO, Chicago, Ill. Filed Apr. 7, 1923. Serial No. 630,535. 1 Claim. (Cl. 257-130.)



A fluid cooling radiator comprising in combination with a plurality of tubes, and spacing fins spirally twisted throughout their lengths, buttions struck from the spirals at the centers of the maximum vertical widths of the spirals and bent transversely to form abutments.

1,519,880. PRODUCTION OF PURE ALUMINA. HEINRICH SPECKTER and GUSTAV MÜNCH, Griesheim-on-the-Main, and FRITZ ROSSTEUTSCHER, Schwanheim-on-the-Main, Germany, assignors, by mesne assignments, to American Lurgi Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1922. Serial No. 592,875. 23 Claims. (Cl. 23-92.)

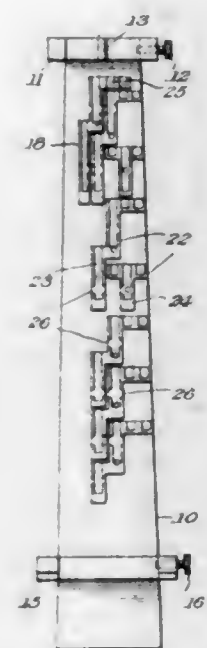
1. The process which comprises treating aluminiferous material with hydrochloric acid, concentrating by evaporation part of the solution thus obtained, until a sludge of aluminum chloride crystals separates out, introducing the hydrochloric acid gas resulting from the thermic decomposition of aluminum chloride crystals of a prior operation into the non-evaporated part of said solution, washing with this solution said sludge of aluminum chloride crystals and then subjecting said washed sludge of crystals to thermic decomposition.

1,519,881. CHORD-PLAYING ATTACHMENT FOR STRINGED INSTRUMENTS. NICHOLAS D. STEIN, St. Cloud, Minn., assignor of one-half to Anton C. Kalusche, St. Cloud, Minn. Filed Sept. 7, 1923. Serial No. 661,464. 5 Claims. (Cl. 84-317.)

5. A chord playing attachment for stringed instruments comprising an elongated supporting member, bridge pieces carried by said supporting member and adapted to

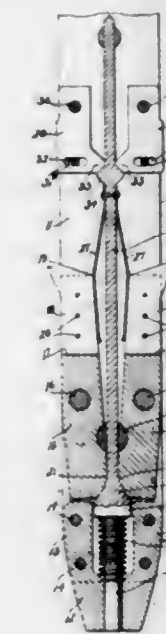
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straddlingly engage the neck of the instrument, means on said bridge pieces for clamping them upon the neck, a depending spacing element carried by one bridge piece



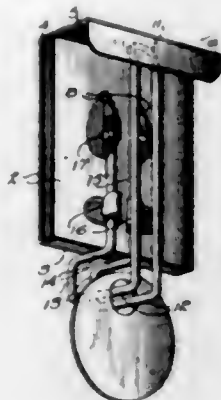
for holding said support in proper spaced relation to the next, and a plurality of spring-pressed plungers slidable through the support and carrying presser bars adapted to engage a plurality of strings at selected points.

1,519,882. RIPPING TOOL. RODERICK STEWART and THOMAS W. WALKER, Vernon, Tex. Filed Apr. 2, 1924. Serial No. 703,713. 1 Claim. (Cl. 81-193.)



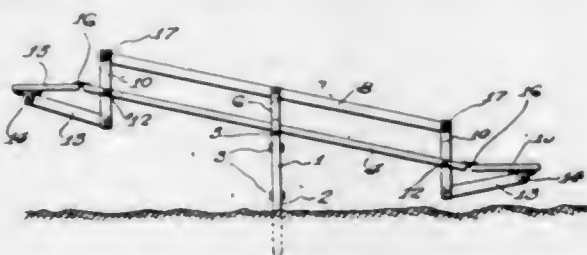
A tool for ripping well casings comprising a slotted body portion, a shoe carried by one end of the body portion, opposed cutting elements pivoted within said slot and normally projected beyond the sides of the tool to rip the casing on the up stroke thereof, a spring-pressed rod arranged to slide between the cutting elements longitudinally of the tool, and designed to move said cutting elements wholly within the slot when moved in one direction, means for normally holding the rod inactive against the tension of said spring, said means including plates pivoted within said slot and adapted to be held in engagement with said rod by the walls of said well casing, and adapted to be moved away from said rod under the tension of said spring to effect a release of said rod, when said plates are separated from the casing.

1,519,883. CHECK HOLDER. SCOTT S. STEWART, Rivesville, W. Va. Filed Jan. 7, 1924. Serial No. 684,820. 4 Claims. (Cl. 40—10.)



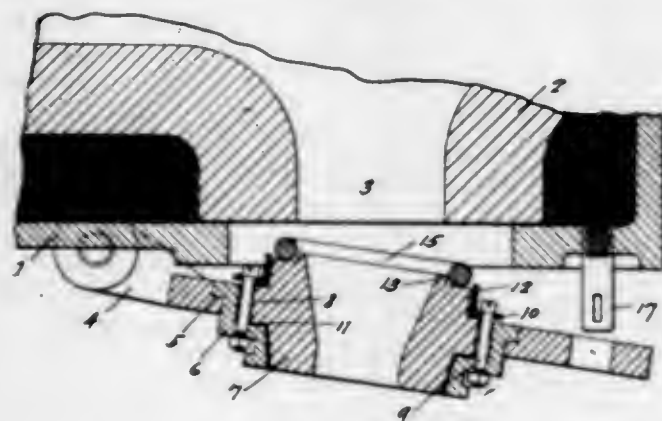
1. In a device of the character described, a base member adapted to be arranged on the belt of the user, and a resilient member formed of a single piece of wire having its ends secured to one side of the base, the arms being extended downwardly beneath the base, then forwardly a slight distance from said base, and then upwardly, forming a loop in front of said base.

1,519,884. SEESAW. LEROY TROWBRIDGE, Springfield, S. Dak. Filed Mar. 31, 1923. Serial No. 629,044. 1 Claim. (Cl. 272—54.)



In a seesaw, a standard, a board, a supporting pin rockably supporting said board from said standard, said board provided with a centrally located slot, a member rising from said standard and extending through said slot for limiting longitudinal movement of the board relative to the standard, seat portions pivotally connected to the ends of said board, and pivotally connected levers connecting said seat portions to the ends of the board independently of the pivotal connection between the seat portions and board.

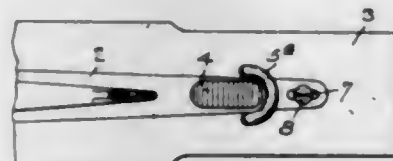
1,519,885. INTERCHANGEABLE SPOUT-APERTURE BUSHING AND METHOD OF APPLYING THE SAME. OLIVER M. TUCKER and WILLIAM A. REEVES, Columbus, Ohio. Filed Sept. 23, 1918. Serial No. 255,349. 8 Claims. (Cl. 49—55.)



8. In a device for the delivering of molten glass, the combination with an apertured spout, a bushing for the spout, and an intermediate layer between the spout

and bushing of a material which is soft and plastic when applied and which is relatively inert to molten glass and which when subjected to the heat of the glass never becomes as hard as the spout or bushing whereby the bushing is readily removable.

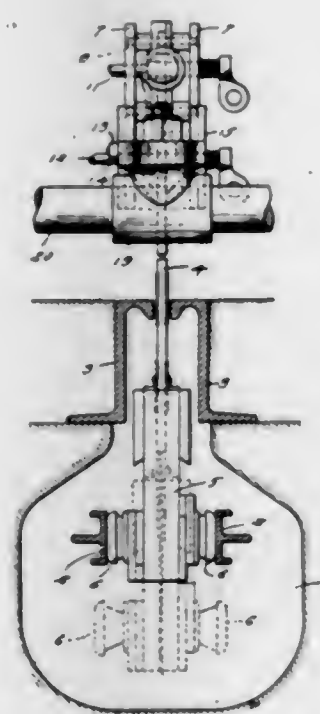
1,519,886. GUARD FOR FIREARMS. DAVID TUFTS, Pittsburgh, Pa. Filed Jan. 15, 1924. Serial No. 686,408. 2 Claims. (Cl. 42—70.)



1. The combination with a gun provided with a safety slide, of a guard therefor extending to the rear end of said slide, and means adjustable longitudinally of said slide for securing said guard to the gun.

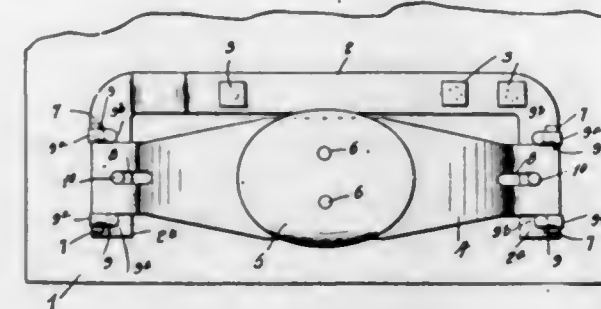
2. The combination with a gun provided with a safety slide, of a separately formed wall-like member adapted to be mounted adjacent to said slide to shield the same against accidental movement, the said wall having a portion disposed alongside the slide to thereby also serve as an index for indicating the position of the slide.

1,519,887. PLOWYOKE AND PLOW. WALTER B. UFFERT, Astoria, N. Y. Filed Mar. 13, 1924. Serial No. 699,007. 1 Claim. (Cl. 191—48.)



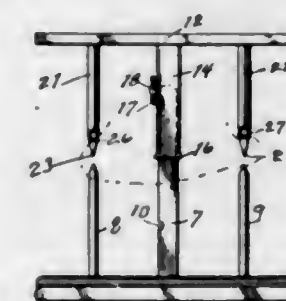
In an electric propelling system of the character specified, a plow, a crosshead at the upper end of the plow, vertically disposed spaced members at the ends of the crosshead, a yoke adapted to receive the crosshead of the plow and provided with vertical channels to receive the said spaced members, connecting pins between the yoke and crosshead and readily detachable to admit of the plow dropping, and a pin carried by the crosshead and adapted to engage the yoke and limit the drop of the plow.

1,519,888. PLOW-CONTACT-SPRING-SECURING MEANS. WALTER B. UFFERT, New York, N. Y. Filed Apr. 17, 1924. Serial No. 707,221. 4 Claims. (Cl. 191—49.)



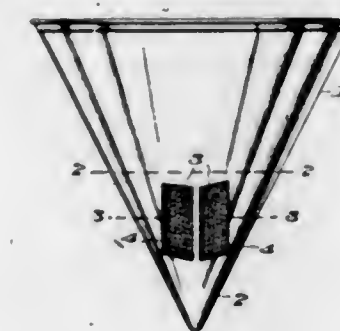
1. In combination, a plow provided with relatively spaced angular pins, and a contact shoe carrying spring provided with lugs engaging said pins.

1,519,889. PAPER FILE. GERALD M. VAN DYKE, Tientsin, China, assignor of one-half to Fred Price, Fort McDowell, Calif. Filed Sept. 12, 1923. Serial No. 692,310. 1 Claim. (Cl. 129—8.)



In a device of the character described, a base, a rectangular member secured to said base and extending at right angles therefrom, a plurality of pins secured to said base, a circular recess formed in said base at a point surrounding each of said pins, a top member, a rectangular tubular member secured to said top member and adapted to telescope said first-mentioned tubular member, a latch secured to said tubular member and adapted to contact said rectangular member and a plurality of downwardly extending tubular members adapted to telescope said pins, said last-mentioned tubular members having eyes formed near the lower extremities thereof, substantially as and for the purpose specified.

1,519,890. STRAINER DEVICE. EDWARD G. VON GUNTEN, Akron, Ohio, assignor to The Farmer's Sanitary Strainer & Manufacturing Company, Akron, Ohio, a Corporation. Filed Aug. 7, 1922. Serial No. 580,090. 10 Claims. (Cl. 210—157.)



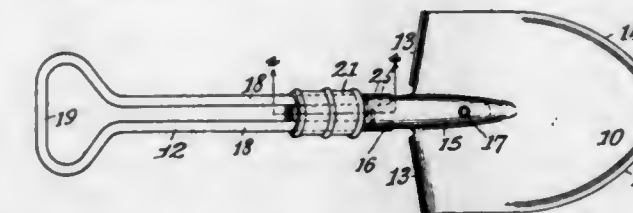
9. In a strainer device, a funnel-shaped body portion, a screen located within the wall of the funnel, a partition below the screen, and an opening in the partition in line with the screen.

1,519,891. BILL HOLDER. WILLIAM L. WALKER, South Portland, Me. Filed Apr. 7, 1924. Serial No. 704,849. 2 Claims. (Cl. 24—66.)



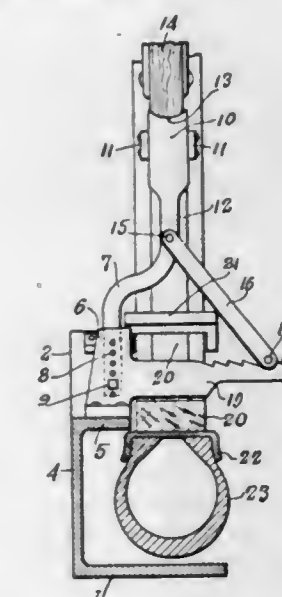
1. A bill holder including a metal plate rounded upon itself to provide a base and a table arranged angularly of and designed to spring away from the base, a wire gripping element including a central U-shaped portion having angle legs passing through openings in the free end of the table, and said legs having offset ends which are journaled in bearings in the base.

1,519,892. COLLAPSIBLE SHOVEL. LEWIS E. WEBSTER, Wyoming, Pa., assignor to The Wyoming Shovel Works, Wyoming, Pa., a Corporation of Pennsylvania. Filed May 27, 1922. Serial No. 564,156. 9 Claims. (Cl. 294—57.)



1. A shovel comprising in combination, a blade, a shank member secured to said blade, a handle member, one of said members being bifurcated to receive the other, means pivotally connecting said members whereby they may be moved to a collapsed position in which the handle member lies adjacent the blade, and a sleeve for forcing the bifurcated member into firm contact with the other member when the said members are in extended position.

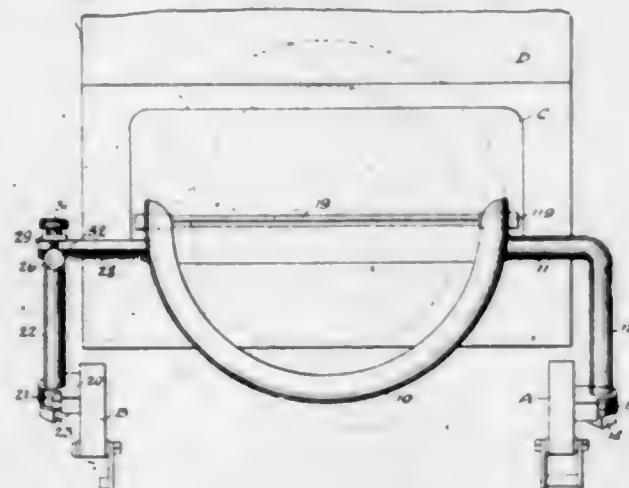
1,519,893. JACK. CHARLES A. ABBOTT, Springfield, Ohio. Filed May 31, 1923. Serial No. 642,538. 4 Claims. (Cl. 254—94.)



4. In a jack, a semi-circular frame, a horizontally extending foot located midway thereof, upwardly and inwardly extending rocking arms, horizontally disposed from said frame on either side of said foot, means on said frame for supporting pivotally an upwardly extending arm adapted to be located between spokes of a wheel beneath a hub and adapted to have its upper end engage said hub, means extending from said frame between said hub and a felloe of a wheel, and a ratchet on said

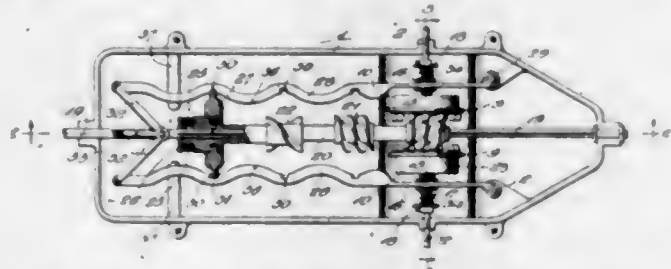
means, a pawl carried by said upwardly extending arm adapted to engage with said ratchet for adjusting the position of the arm with respect to the frame, means on the upper end of the arm for engaging the outer and inner sides of adjacent spokes, overlapping arms at either end of said frame for engaging the inside of said felloe between said spokes, and means for adjusting the upwardly extending arm vertically on said frame.

1,519,894. TIRE CARRIER. HENRY LEROY ADAMS, Hoosick, N. Y. Filed Feb. 19, 1923. Serial No. 620,052. 1 Claim. (Cl. 224-29.)



A tire carrier including a saddle, an element rigid with the carrier at one end, a depending portion on said element, a block having a hole to turnably receive the lower end of said post, said hole being approximately vertical, means to mount said block on a downwardly extending portion of a side bar of an automobile frame, a wedge-shaped washer on said block through which washer said depending portion passes, and means adapted to be mounted on the automobile at the opposite side from the said block, to support the adjacent end of the carrier.

1,519,895. TRANSMISSION MECHANISM. ALBERT ANDREWS, Sheridan, Wyo. Filed Mar. 27, 1924. Serial No. 702,462. 8 Claims. (Cl. 74-36.)

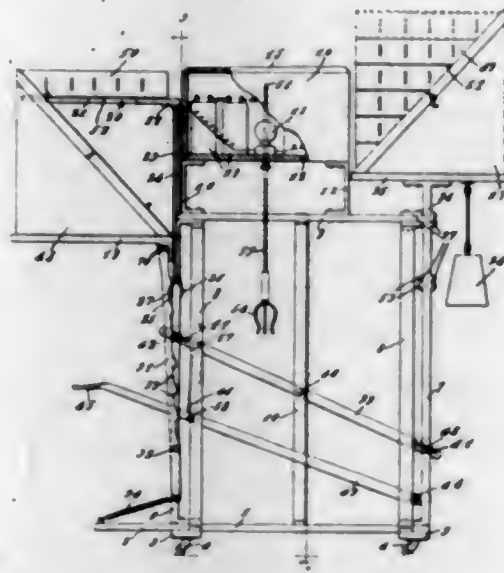


1. A transmission mechanism comprising a pair of axially aligned shaft sections, spaced gears carried by the inner ends of said sections, means for connecting said gears with said shaft sections, including a pair of crutches for freeing said gears to turn with respect to said shaft sections, a plurality of axially aligned and axially shiftable worms adapted to be selectively meshed with said gears, means for throwing said clutches out of play, and means for shifting said worms and holding them in adjusted positions.

1,519,896. EGG CANDLER. CLARENCE L. ARMISTEAD and SAMUEL F. BATES, Sullivan, Mo., assignors of one-third to Jesse A. Farrar and Edward E. Mathias, both of Leslie, Mo. Filed July 26, 1923. Serial No. 653,946. 3 Claims. (Cl. 99-2.)

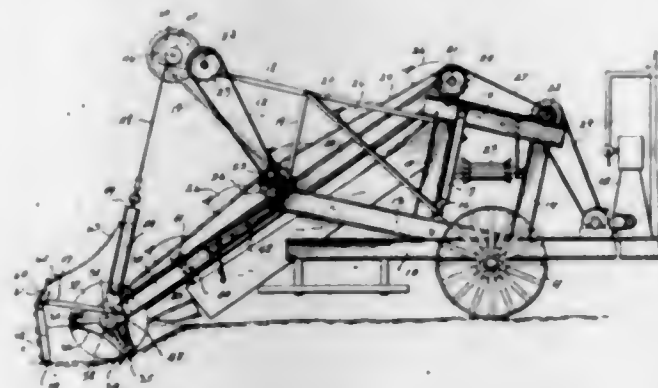
1. In a device of the class described, a frame, slides, means for mounting the slides on the frame for straight-line reciprocation, platforms on the upper ends of the

slides, a lever fulcrumed intermediate its ends on the frame, means for connecting the ends of the lever with the slides independently of the platforms, in such a way



as to permit the aforesaid straight-line reciprocation of the slides, and means under the control of an operator for actuating the lever.

1,519,897. TRENCHING MACHINE. PETER ASPLUND, Tecumseh, Nebr. Filed June 24, 1924. Serial No. 722,116. 2 Claims. (Cl. 37-87.)

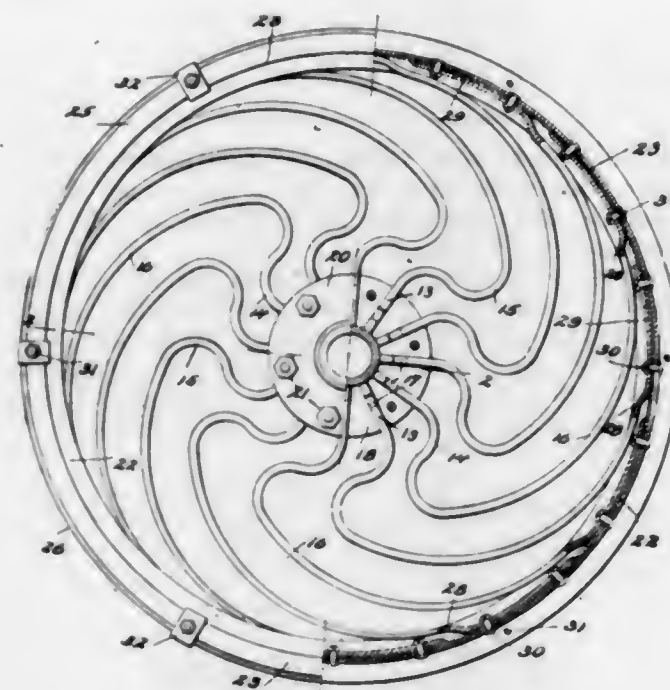


1. In a trenching machine, a boom, a shaft upon which one end of the boom is pivoted, sprockets carried by said shaft, bucket conveyor chains passed about said sprockets, a shaft rotatably mounted in the opposite end of the boom, sprockets carried by the last named shaft and secured thereto and over which said sprocket conveyor chains likewise pass, buckets carried by the conveyor chains, a pair of spiders secured to the shaft at each side of said sprockets and having radiating arms, transversely disposed bars carried by said arms, teeth on said bars, a worm supported by said shaft between said spiders and upon operation of the shaft by the conveyor chains delivering engaged material into the path of said buckets, bearings for the ends of the second shaft and means connecting said boom and bearings rigidly to the boom to the bearings.

1,519,898. SPRING WHEEL. WILLIAM JAKOB BEISEL, Port Richmond, N. Y., assignor to Biesel Spring Wheel Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 7, 1921. Serial No. 520,574. 4 Claims. (Cl. 152-59.)

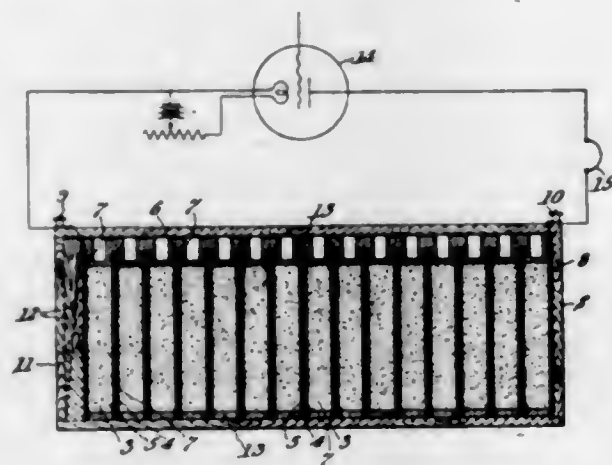
4. A spring wheel comprising in combination, an inwardly facing channel bar rim, a hub, a series of flat one-piece spring metal spokes of the shape in side view having their outer end portions so formed as to grad-

ually approach the rim on a curve of larger radius to a point a short predetermined distance inwardly from said rim and there curved outwardly on a short radius into contact with the inner face of the channel bar rim



and from that point on to their ends lying close against the base of the channel rim between its side flanges and bolts passing through said end portions and rigidly connecting them to the rim.

1,519,899. APPARATUS FOR RADIO COMMUNICATION. RAYMOND C. BENNER, Bayside, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Feb. 28, 1922. Serial No. 539,883. 3 Claims. (Cl. 250-27.)

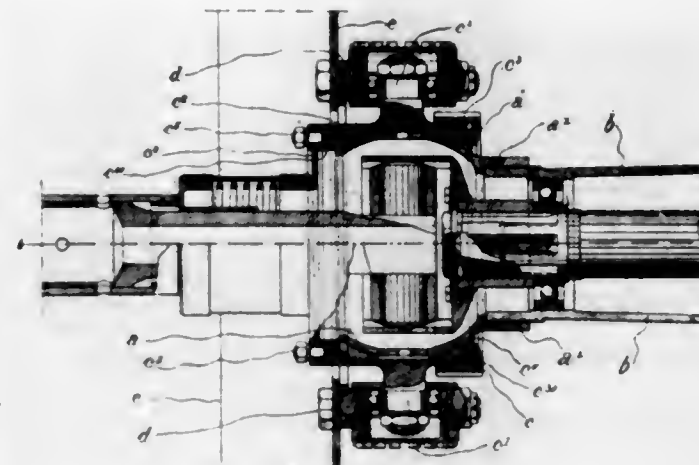


3. In combination, an electron tube and a "B" battery connected to its plate, said "B" battery comprising a plurality of cells in electrical series, each cell provided with a zinc anode, the anodes of adjacent cells being overlapped and in substantially parallel spaced relation.

1,519,900. UNIVERSAL JOINT. MARC BIRKIGT, Bois Colombes, France. Filed Dec. 23, 1920. Serial No. 432,815. 2 Claims. (Cl. 180-85.)

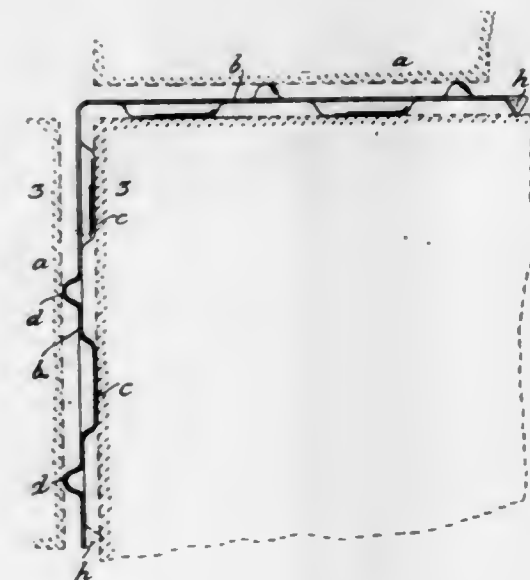
1. A pivoted support for securing a torque tube to the cross bar of the frame of an automobile, including concave and convex spherical elements, one supporting the other, one of said elements being carried by the front end of the torque tube, said elements together

forming a spherical oscillatory articulation, a pair of trunnions arranged oppositely of the outer element of said articulation, bearings on said cross bar for re-



ceiving said trunnions, the latter extending perpendicularly to the plane of the principal oscillations of the torque tube.

1,519,901. DUNNAGE STRIP. JOHN WALTER BOAZ, Southend-on-Sea, JOHN MARSHALL BROWN, Ilford, and PERCY JOHN HAWKINS, London, England. Filed Mar. 5, 1924. Serial No. 697,166. 3 Claims. (Cl. 16-1.)

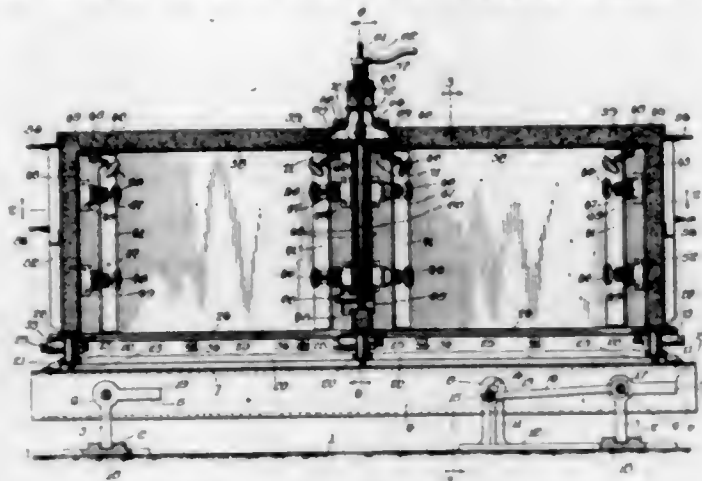


1. A metal dunnage spacer comprising a body portion of sheet metal having its opposite faces provided with a number of embossments of suitable shapes and spaced apart, the embossments on one face projecting in a direction reverse to those on the opposite face.

1,519,902. MOLDING MACHINE FOR SHAPING PLASTIC MATERIAL OUT OF CONCRETE AND OTHER MATERIAL. ERVIN MOTT CAMP, Chicago, Ill. Filed May 29, 1922. Serial No. 564,668. 18 Claims. (Cl. 25-130.)

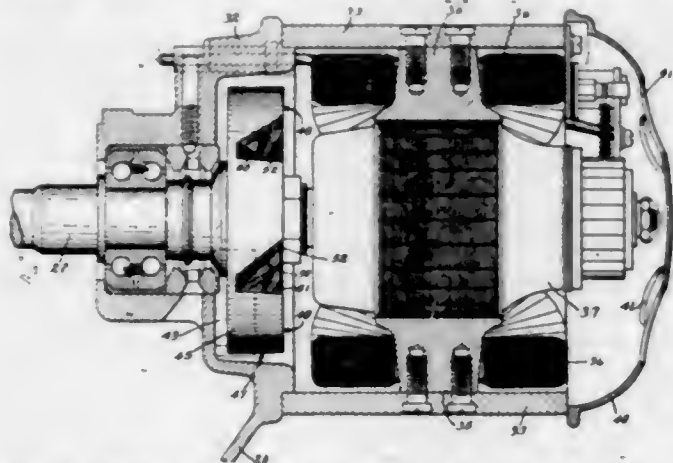
3. In a device of the class described, a supporting table adapted to be vibrated and jolted, a movable form mounted upon the said table and composed of a series of side walls both internal and external adapted to mold hollow articles and said side walls supported upon a base frame work and said base frame work supported on the said table, a series of clamping guards composed of

a series of angle-iron beams supporting the mold form on one of their legs and secured in clamping relationship to the walls of the mold form by bolts passing through the



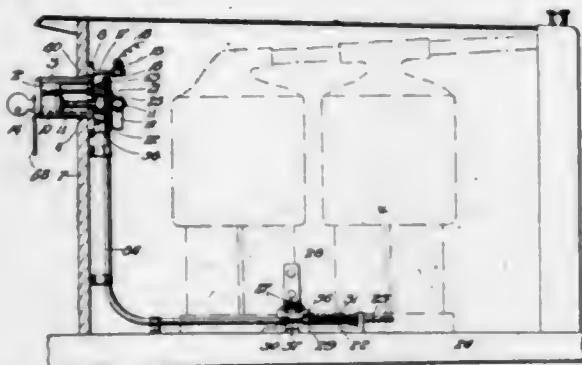
other legs adapted to clamping side walls to the supporting frame work and suitable means for vibrating and jolting the said supporting table.

1,519,903. FLYWHEEL FAN. JOHN G. CAMPBELL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 16, 1922. Serial No. 601,378. 5 Claims. (Cl. 230-11.)



2. A flywheel fan adapted to be located within a housing and to cooperate with a power device enclosed by the housing, comprising a cylindrical body having a periphery, a face, and a notch, said notch having a bottom extending from said face to said periphery and a trailing face extending from said bottom and inclined relative to a radial plane intersecting the bottom of the notch, said inclined face extending from the bottom in a direction opposite to the direction of rotation of said flywheel fan.

1,519,904. COMBINATION BONNET LOCK AND IGNITION-CUT-OFF DEVICE FOR MOTOR VEHICLES. CLIFFORD L. CUMMINGS, St. Kilda, Victoria, Australia. Filed Aug. 9, 1922. Serial No. 380,798. 2 Claims. (Cl. 180-82.)



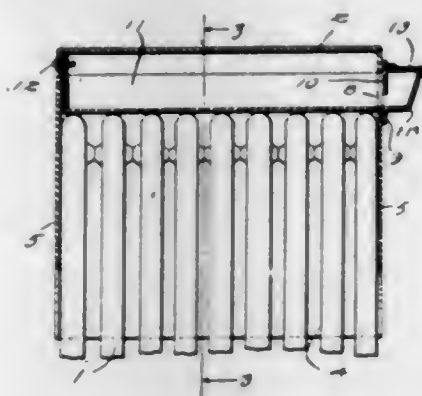
1. The combination with locking means for the opposite sides of a vehicle, bonnet or hood, of a lock barrel mounted in the dash of the vehicle, key controlled locking means including a rotatable shaft mounted in

said barrel, means on the operator's side of the dash for operating said shaft when the key controlled locking means has been released, a member fixed on said shaft on the engine side of the dash, independent connections leading from said member to the hood locking means to positively operate the latter in the rotation of the member to lock or unlock the hood, and means carried by the member for grounding the ignition circuit in a predetermined position of the member.

1,519,905. FUEL FOR INTERNAL-COMBUSTION ENGINES. JEAN FELIX PAUL DE LA RIBOISIERE, Berlin, Germany. Filed Sept. 24, 1923. Serial No. 604,586. 7 Claims. (Cl. 44-9.)

1. An improved fuel for internal combustion engines comprising a considerable proportion of liquid hydrocarbons boiling above 160° C., a small proportion of an aliphatic ether of low boiling point adapted to promote the ignition thereof and a proportion of a monohydroxy phenol adapted to retain the ether in the mixture.

1,519,906. RADIATOR ATTACHMENT. JOHN J. DESJARDINS, Marinette, Wis. Filed July 5, 1923. Serial No. 649,714. 1 Claim. (Cl. 237-78.)

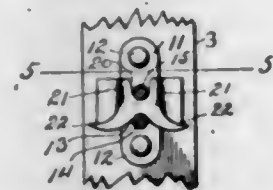


A radiator attachment comprising a hood having an opening in its upper portion, an elongated receptacle disposed within the upper portion of the hood to rest on a radiator and support the attachment, said receptacle having its outer end projecting through and outwardly beyond said opening, a plate exteriorly engaging said hood about said opening and through which the receptacle passes, and said plate having a portion depending below the upper edge of and into the receptacle and partly across said opening to serve as a baffle.

1,519,907. CLEANING AND POLISHING COMPOSITION. ALBERT EDMONDSON, Ware, Mass. Filed Feb. 24, 1922. Serial No. 539,027. 2 Claims. (Cl. 87-5.)

1. A liquid composition adapted for cleaning and polishing purposes consisting of Glauber salts and glycerine.

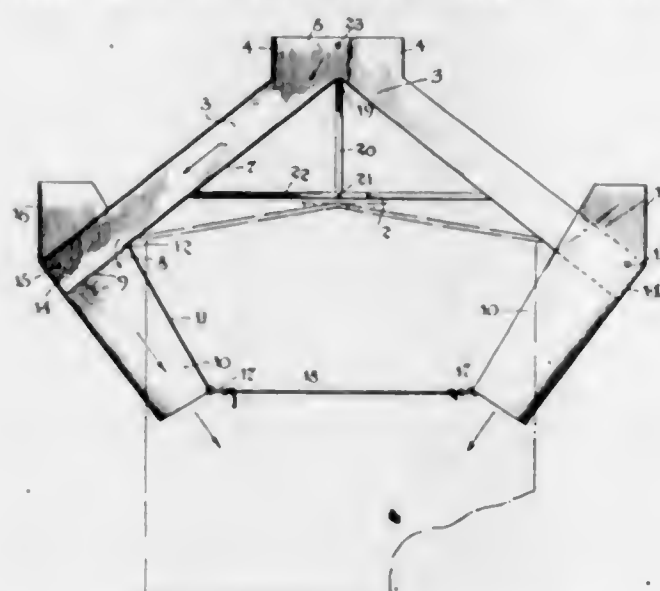
1,519,908. GATE LATCH. PETER J. ETUE, Merriam, Kans. Original application filed Feb. 28, 1921, Serial No. 448,426. Divided and this application filed Sept. 11, 1922. Serial No. 587,553. 4 Claims. (Cl. 292-340.)



1. The combination with a vertically and laterally swinging gate having means for being normally tilted upwardly, a holding plate having a downwardly facing notch, and a pin rigidly attached to the gate and adapted to enter said notch, when the gate is closed and de-

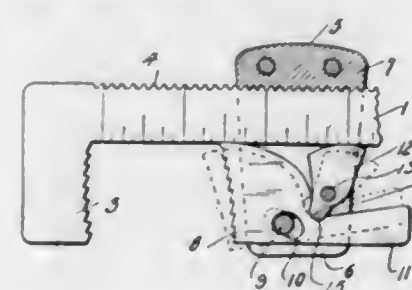
pressed and then tilted upwardly, for holding the gate from lateral and upward swinging, of a bolt movable on the gate into engagement with said plate, when the pin is locked, and arranged to hold the gate from downward tilting, substantially as set forth.

1,519,909. LOADING CHUTE. WILLIAM J. FRAIN and THOMAS E. POWERS, Savannah, Ga. Filed Jan. 14, 1924. Serial No. 686,113. 23 Claims. (Cl. 193-3.)



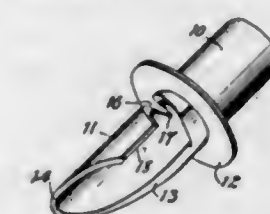
1. A loader for freight cars comprising, an inverted substantially V-shaped chute adapted to straddle and seat upon the top of the car, and shiftable spouts at the lower ends of said chute for directing inwardly through the sides of the car the material to be loaded.

1,519,910. WRENCH. HOWARD GRAHAM, New Braunfels, Tex. Filed Sept. 20, 1923. Serial No. 663,838. 4 Claims. (Cl. 81-94.)



1. A wrench comprising a shank having a fixed jaw, a movable jaw on the shank, a jaw carried by the slide having both a pivotal and a limited sliding movement, and a locking dog carried by said slide and operable by means of the combined pivoted and sliding movement of the movable jaw, whereby to secure or release the slide as required.

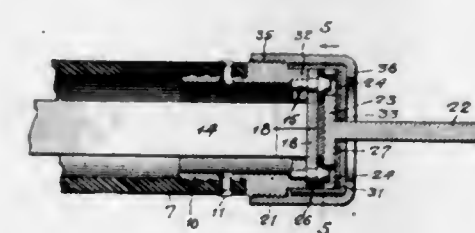
1,519,911. CAN SPOUT. RONALD V. GRAHAM, New York, N. Y. Filed Nov. 22, 1923. Serial No. 676,388. 1 Claim. (Cl. 221-23.)



A can spout having a body, a laterally directed flange on said body, and a tubular puncturing device on the spout in front of said flange, said puncturing device being

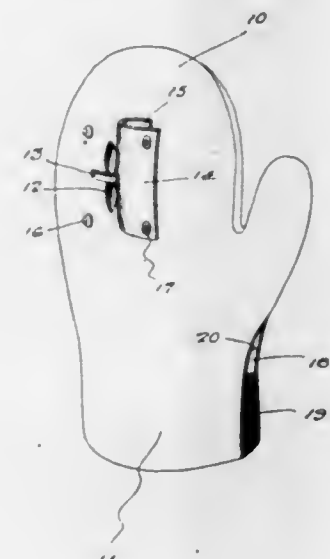
cut away at a side thereof and having a bevelled cutting edge at the front end and a lateral cam slot adjacent the base of the puncturing device opening into the space formed by the cutaway portion, said slot tapering toward its inner end.

1,519,912. FUSE. ARCHIBALD GRIEVE, Westport, Conn., assignor to Charles H. Kemper, Inc., Westport, Conn., a Corporation of Connecticut. Filed Feb. 4, 1921. Serial No. 442,515. 9 Claims. (Cl. 200-132.)



1. A cartridge fuse having an end construction comprising a blade contact with base flange adapted to rest upon and make contact with the end of a fuse strip, a thimble fitting over the blade and having a marginal flange embracing the blade base, and a gas-deflecting washer interposed between said base and the end of the thimble.

1,519,913. MITTEN. JOHN J. HYNES, Maple Grove, Nebr., assignor to Charles M. Daly, O'Neill, Nebr. Filed July 19, 1922. Serial No. 576,068. Renewed Oct. 27, 1924. 1 Claim. (Cl. 2-158.)

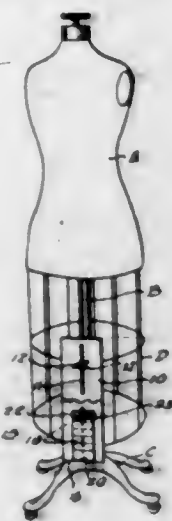


A glove having an elongated ventilating opening in the finger portion, a reinforcing strip secured to the glove transversely of the opening, a flap having one edge secured to the glove adjacent the opening and means for detachably securing the opposite edge of the flap to the glove across the opening.

1,519,914. GARMENT-LENGTH GAUGE. MAX JACOBS, Boston, Mass. Filed May 21, 1923. Serial No. 640,624. 4 Claims. (Cl. 33-9.)

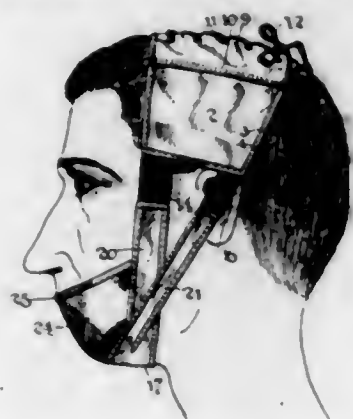
1. A garment length gauge adapted for attachment to a garment supporting device, said gauge having a member presenting a lower gaging edge around which the

lower edge of the garment is adapted to be turned up for forming a hem, and means for permitting the move-



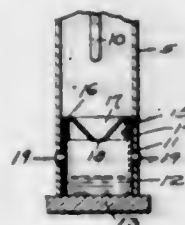
ment of said member to produce a sufficient slack in the garment to allow for the removal of said turned up part from the gaging edge.

1,519,915. CORRECTIVE MOUTH BREATHER. WALTER G. JOHNSON, Childress, Tex. Filed Nov. 17, 1922. Serial No. 601,580. 2 Claims. (Cl. 128-164.)



1. A device for the purpose set forth comprising a holder member including a body portion having a pair of forward and a pair of rear straps extending upwardly therefrom, the lower portions of said rear straps extending across the outer face of the lower portions of said forward straps, a combined mouth closure and chin piece formed of rubberized fabric, said combined closure and chin piece projecting forwardly from said member and secured to said body portion and forward pair of straps, an adjustable securing element, and two pair of resilient hangers depending from said element, one pair of said hangers connected to said forward pair of straps and the other pair of hangers connected to the rear pair of straps.

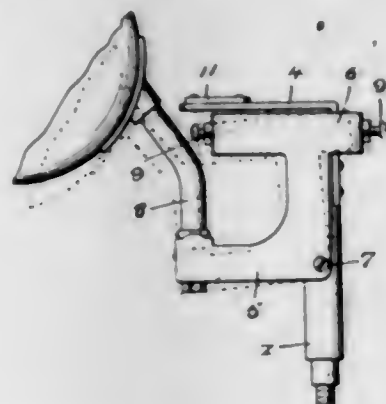
1,519,916. DISINFECTANT CASING FOR CLINICAL THERMOMETERS. CHARLIE L. JONES, Altus, Okla. Filed Oct. 8, 1923. Serial No. 667,286. 2 Claims. (Cl. 206-16.5.)



1. A sterilizing casing for clinical thermometers, comprising a tubular casing, a cap removably mounted in one end of the casing and having means for holding a clinical thermometer in the central portion of the casing,

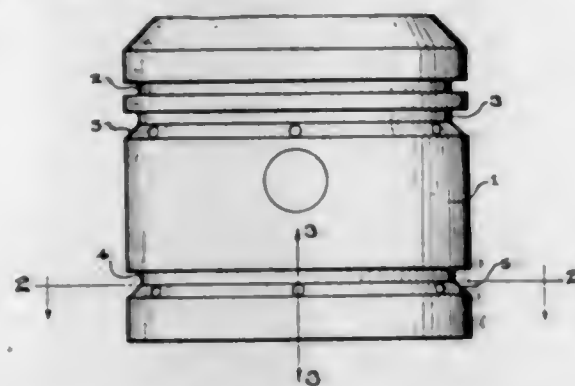
and a liquid disinfectant holding receptacle removably mounted within the opposite end of the tubular casing and having a cover provided with an inwardly projecting lip which is substantially conical and decreases in diameter inwardly and is provided at its inner reduced end with an opening said cover preventing the splashing of the liquid disinfectant.

1,519,917. LAMP ADJUSTER. JOHN A. KIMBALL, Taylorville, Ill. Filed Oct. 5, 1923. Serial No. 660,684. 6 Claims. (Cl. 240-61.)



1. In combination with a motor vehicle and its head-lamp, a stationary support for the lamp having a horizontally extending guiding member, a housing having its lower part pivotally connected with the support and its upper part embracing the guiding member, the lamp having its standard connected with the housing in such a manner that the weight of the parts tends to hold the housing in its forward tilted position, stops on the upper part of the housing adapted to engage parts of the support for limiting the movement of the housing and means for moving the housing into upright position and holding it there against the action of gravity.

1,519,918. PISTON. EDSON E. KING and HOMER A. WORRELL, Follett, Tex. Filed Nov. 4, 1922. Serial No. 599,135. 1 Claim. (Cl. 74-108.)

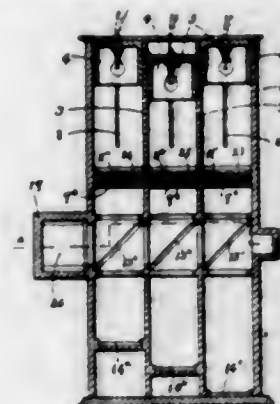


As a new article of manufacture, a piston having an annular ring receiving grooves therein, certain of said grooves having the lower walls thereof inclined outwardly and downwardly, the inner edges of said inclined walls being flush with the inner walls of the grooves and the outer edges being flush with the outer surface of the piston, and said pistons having openings leading from the inclined walls at an angle thereto through the body of the piston to the interior thereof.

1,519,919. CHROMOSCOPE. ADRIAN BERNARD KLEIN, London, England, assignor of one-half to Adam Hilger, Limited, London, England. Filed Feb. 6, 1923. Serial No. 617,341. 5 Claims. (Cl. 88-14.)

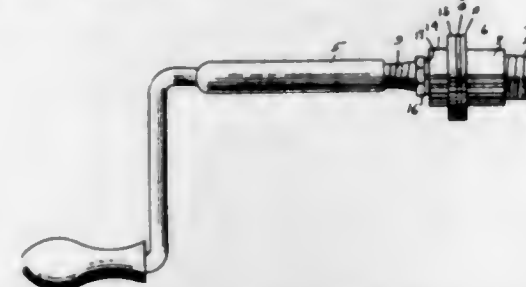
1. A chromoscope comprising a plurality of slides having portions of a design in transparency thereon, means for illuminating said slides with light of selected colours,

said slides being divided into a plurality of sets, a series of transparent reflectors for one set of slides adapted to direct images thereof in superposition to a viewing point in the apparatus, and means for producing images



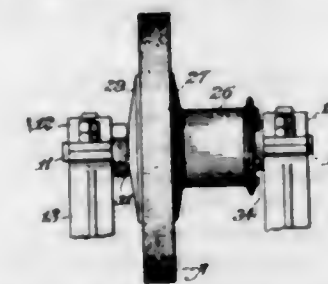
of another set of slides and optically transferring them in superposition behind said inclined transparent reflectors, whereby images of all of said slides are seen in superposition from the viewing point.

1,519,920. CONTROL FOR SPRING-MOTOR-WINDING MEANS. WILLIAM KRAMER and WILLI R. BALKE, Sioux City, Iowa, assignors of one-third to Myron T. Sorensen, Sioux City, Iowa. Filed Sept. 10, 1923. Serial No. 661,795. 1 Claim. (Cl. 64-99.)



In a device of the class described, to be used in combination with a phonograph having a threaded winding shaft and an internally threaded winding crank, a sleeve internally threaded at one end to receive the winding shaft, an inwardly extending flange on the other end of the sleeve, a stub shaft extended through the opening encircled by the flange, a head on the stub shaft within the sleeve, in engagement with the flange, the sleeve having an annular depression formed in its outer surface at the end adjacent the flange, a collar received over the stub shaft, a laterally extending annular flange on the collar received in the depression in the sleeve, a friction washer between the collar and sleeve, the end of the stub shaft being threaded to receive the winding crank, a nut on such threaded portion for adjusting the tension between the collar and sleeve, and driving means between the collar and stub shaft.

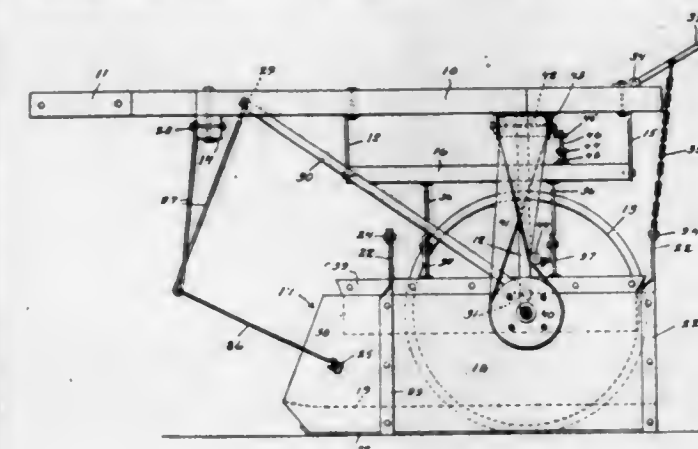
1,519,921. SPINDLE FOR GRINDERS. JURGEN P. LANGE, Passaic, N. J. Filed Mar. 17, 1924. Serial No. 699,928. 3 Claims. (Cl. 51-168.)



1. In a grinder, a spindle adapted to be supported at its ends, a bearing assemblage, said bearing assemblage comprising elements fixed on the spindle, bearing elements concentric with and turnable relatively to the

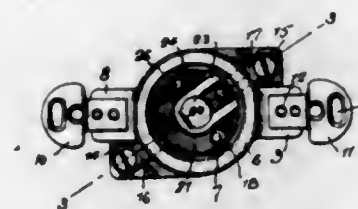
first elements, annular series of balls between the fixed and turnable bearing elements, a shell constituting a broad pulley at one end, a flange rigid with the shell, and clamp means adapted to co-act with said flange for binding a grinding wheel between the two, one of said annular series of balls disposed in a plane medial between said flange and clamp means, another of said annular series of balls being in a plane adjacent to the opposite end of the shell.

1,519,922. POTATO-BUG DESTROYER. CLARENCE AQUILLA MORAN, Bronson, Minn. Filed Mar. 18, 1922. Serial No. 544,875. 2 Claims. (Cl. 43-143.)



1. In a machine of the character described, an axle formed as an arch provided at its ends with stubs carrying ground engaging wheels, forwardly extending bars connected with the axle, a cross member connecting the forward ends of said bars, a tongue secured upon said cross bar and upon the axle, downwardly extending brackets carried by said cross bar and the forward ends of the longitudinal bars, a pair of pans arranged in spaced relation, links pivotally connected with the forward ends of the pans and with said brackets, bracket means connected with the rear ends of the pans, a flexible member connected with said bracket means, and a lever pivoted on the rear end of the tongue and connected with said flexible member whereby to effect raising and lowering of the rear ends of the pans.

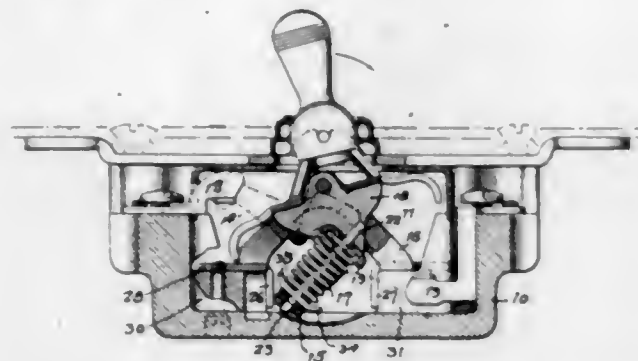
1,519,923. ELECTRICAL FLUSH RECEPTACLE. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 7, 1922. Serial No. 598,001. 3 Claims. (Cl. 173-331.)



1. An electrical flush receptacle of the screw shell type, comprising a molded insulating body of generally cylindrical central shape, ribs integral therewith and projecting on the same diameter from opposite sides of the upper portion of said central body member, supporting means secured to said ribs, imperforate depressed ledges projecting from the lower portion of said central area adjacent said ribs, but on opposite sides of the latter at opposite ends of the receptacle, said ledges being connected to said ribs and shaped for the reception of binding terminals, said cylindrical central body area of the receptacle being recessed from the face of the latter to afford a depressed well having the bottom at a level below the level of the depressed wire terminal ledges and having a center contact-locating projection up-standing from the bottom of said well and extending toward

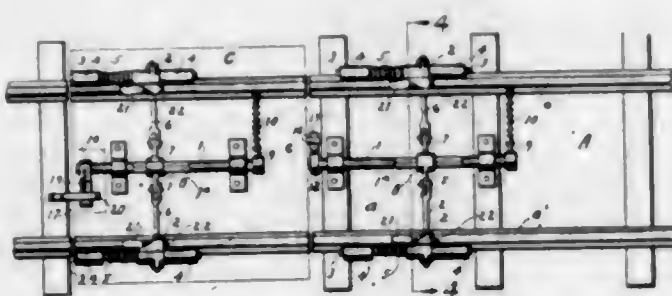
one of said depressed ledges, the wall of said cylindrical body portion being apertured to register with the depressed ledges, by recesses extending through the base of the receptacle.

1,519,924. ELECTRIC SWITCH. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 7, 1922. Serial No. 399,502. 6 Claims. (Cl. 200—67.)



1. In an electric switch, a rocker, means angularly displaceable with respect thereto to actuate the rocker, a pivoted switch bar member, a spring interposed between the rocker and switch bar member and adapted to be shifted at its rocker end across the axis of oscillation of the switch bar member on the actuation of the rocker, a spring guide pin engaging the rocker and switch contact member, a spring abutment member on said pin, and a fixed abutment engaged by said spring abutment member during the oscillation of the rocker and serving to positively initiate the throw of the switch bar member.

1,519,925. AUTOMATIC FEEDER. JAMES A. NOLAN, Bowerston, Ohio. Filed Feb. 19, 1924. Serial No. 693,516. 15 Claims. (Cl. 214—55.)

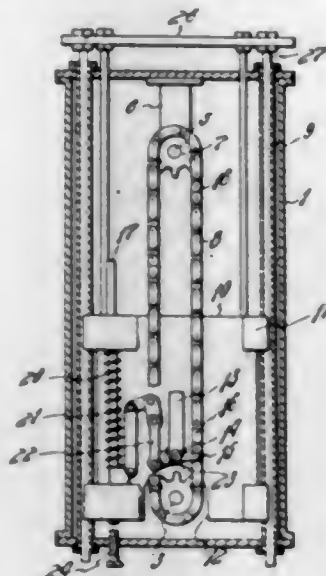


1. In car feeding means, a structure provided with car receiving and holding means, an approach track leading to said structure, a receiving track leading from the structure, said structure being movable into and out of loading position relative to the tracks, stops on the approach track of such length as to span the space between the front and rear wheels of a car passing between said stops, means urging the stops in closing direction and acting to normally hold them closed, means for closing said car holding means, means for opening the car holding means when the structure moves into loading position, and means for opening and then releasing said stops when said structure moves into loading position.

1,519,926. PUMP JACK. FRANK R. OWENS, Beaver Crossing, Nebr. Filed Oct. 19, 1923. Serial No. 669,603. 3 Claims. (Cl. 74—14.)

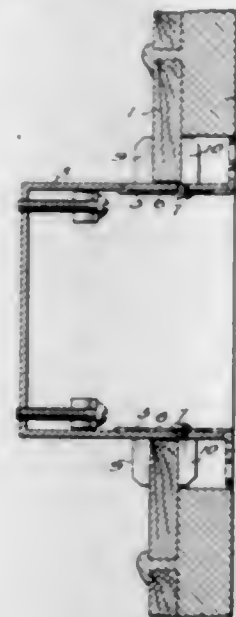
2. An apparatus of the class described comprising a casing, a plate slidably mounted therein, upper and lower shafts in the casing, a pair of endless traveling members carried by the shafts, hooks carried by the plate,

projections on the endless traveling members for engaging the hooks, trip rods, links connecting the same with the hooks and holding the hooks against movement.



ment, means at the ends of the casing for engaging the trip bars to move the links to releasing position, a bracket for supporting the upper shaft and means for adjusting the same vertically.

1,519,927. OUTLET-BOX CONSTRUCTION. ALBERT POLHEMES, Jersey City, N. J. Filed June 10, 1922. Serial No. 567,238. 1 Claim. (Cl. 247—19.)

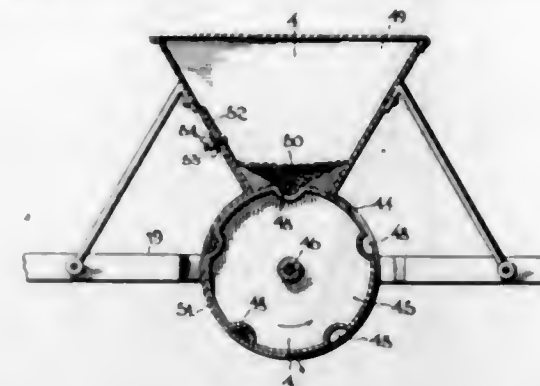


An outlet box construction which includes a pair of slidable plates disposed within the box and having slots thereon, screws mounted on the box and having heads extending through said slots for adjusting the position of the plates in said box, said box having slots adjacent said plates, and a pair of fingers on each plate extending through the respective slots to engage with any suitable supports, such as lathing or plaster.

1,519,928. SEED DISPENSER. JOSEPH PRIESNITZ, Oimitz, Kans. Filed Mar. 18, 1924. Serial No. 700,141. 3 Claims. (Cl. 221—130.)

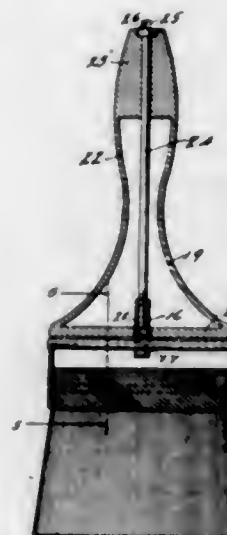
1. In a device of the class described, a receptacle for the seed, spaced disk members depending from said receptacle, a drum rotative between said disks and smaller than the same and constituting a closure for the discharge of said receptacle and provided with a plurality of seed receiving pockets which pass consecutively beneath the discharge of the receptacle as the drum is rotated, a segmental guard member disposed between the

margins of said disks and held from lateral displacement thereby, said guard member operating to retain the seeds in the pockets until they arrive at a predetermined position, a holder member extending from said guard, and means for attaching said holder to the seed receptacle.



position, a holder member extending from said guard, and means for attaching said holder to the seed receptacle.

1,519,929. PAINTBRUSH. FREDERICK H. RASCHER, Jr., Arlington Heights, Ill. Filed June 9, 1923. Serial No. 644,854. 3 Claims. (Cl. 15—176.)



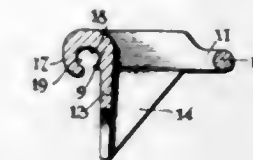
1. In a device of the character described, comprising a brush casing, a brush head having bristles therein secured in the casing, a handle member, a threaded sleeve having a transverse bore therein, a pin connecting the sleeve and casing, a fastening rod having one end threadedly fastening the casing to the said handle member, and means for turning the fastening rod.

1,519,930. CURTAIN HOLDER. GUY C. REDFIELD, San Antonio, Tex. Filed Apr. 19, 1923. Serial No. 633,226. 1 Claim. (Cl. 156—33.)



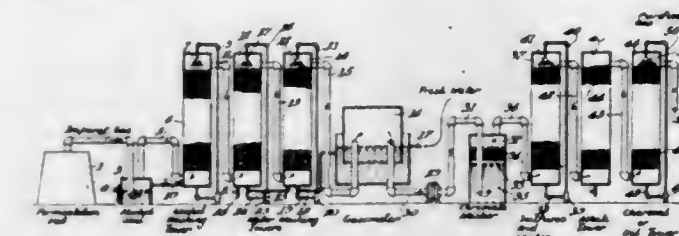
A curtain holder comprising a relatively narrow strip of resilient metal turned upon itself, the portions of the strip at the connected ends being in contact and forming an attaching shank for application to a window stile or the like, said shank having a laterally offset portion, the free end of the strip being considerably longer than the shank and constituting jaws and extending from the lateral portion in the opposite direction to the main portion of the shank, said jaws being arranged in front of the window stile and one jaw in front of the other jaw, and one of the jaws being deflected away from the other jaw intermediate its ends.

1,519,931. HOOK LINK. HERMAN REHBETZ, Mishicot, Wis. Filed Mar. 6, 1924. Serial No. 697,278. 6 Claims. (Cl. 198—168.)



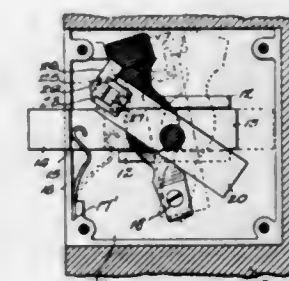
1. A hook link comprising a frame including a pair of side bars each having a reduced rear terminal portion, a cylindrical rear end bar integral with the outer ends of said reduced terminal portions, a front end bar integral with the forward ends of and of the same height as said side bars, a curved coupling arm projecting from the outer face of the front end bar, a hook extended above said arm and formed of a notched rectangular front piece and a pair of triangular shaped side pieces integral with said side and front end bars, said pieces of less thickness than and flush with the inner faces of the side and front end bars.

1,519,932. PROCESS OF PURIFYING FERMENTATION GASES. GUSTAVE T. REICH, Sausalito, Calif. Filed June 3, 1922. Serial No. 565,590. 10 Claims. (Cl. 23—150.)



2. Process of making a permanently odorless and tasteless carbonic acid from fermentation gas which comprises, passing said gas from an air tight fermentation vat through a liquid seal, washing the gas with a solution of ethyl alcohol in water containing from 1/2 to 2 per cent of alcohol, washing the resulting gas with water, contacting the washed gas successively with a solution of a hexa valent chromium compound and sulfuric acid whereby organic impurities in said gas are oxidized and moisture, ammonium compounds and sulfur compounds are removed from said gas, passing said gas in contact with sodium carbonate, and contacting the gas with wood charcoal and an odorless oil.

1,519,933. LOCK. DANIEL W. ROHRER, Trenton, N. J. Filed Nov. 22, 1923. Serial No. 676,379. 4 Claims. (Cl. 70—18.)



1. In a lock of the type set forth, a housing, a latch member slidably mounted therein, an operating member pivotally mounted in the housing and serving to reciprocate said latch member, rotary means for rocking the operating member to operate the latch member, and a pivotal pawl carried by the rotary member and adapted to engage the operating member and rock the same about its pivotal point.

1,519,934. POSTER. CLAIRE THURSTON ROSS, New York, N. Y. Filed Oct. 24, 1923. Serial No. 670,604. 2 Claims. (Cl. 35-17.)



1. A display poster comprising a base having impressions thereon of portions of a figure to be portrayed and slots therein corresponding to a portion of the outline of the figure to be portrayed, and garment-simulating material covering the space between said impressions to portray a clad figure, said garment-simulating material being passed through said slots to give the outline of the figure portrayed.

1,519,935. SUPPORT FOR THE CROSS BRACES OF MOTOR VEHICLES. MARVIN E. RUTHERFORD, Abilene, Tex., assignor to Abilene Manufacturing Company, Abilene, Tex., a Corporation of Texas. Filed July 9, 1923. Serial No. 650,455. 6 Claims. (Cl. 267-45.)



1. A yieldable support for the purpose set forth comprising an upper resilient member having each of the end terminals thereof bent upwardly and inwardly in a curvilinear manner upon itself to form a curved bearing surface for a vehicle cross brace, and a lower member of less length than and abutting against said upper member and having its end terminal portions upwardly curved to permanently bear against the lower part of the bent end terminal portions of the other member and constitute resilient bearings therefor.

1,519,936. TOY. JACOB J. SCHNEIDER, New York, N. Y. Filed Feb. 9, 1924. Serial No. 691,750. 1 Claim. (Cl. 273-97.)

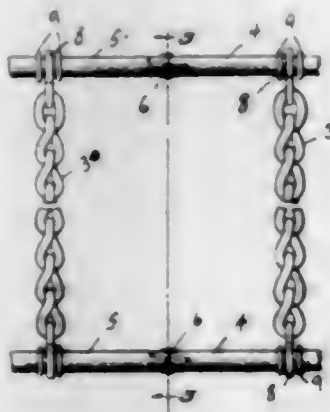
A toy comprising a staff, a plurality of spaced hooks arranged on said staff, said hooks being positioned in a

spiral, means for indicating the values of said hooks, a flexible cord having one end connected to one end of the



staff, and a ring connected to the opposite end of said cord, said ring being sufficiently large to pass over said staff and to interlock with any of said hooks.

1,519,937. NEVER-SLIP TIRE CHAIN. EDWARD SEDGWICK, Roundup, Mont. Filed Mar. 14, 1923. Serial No. 625,043. 1 Claim. (Cl. 152-14.)



An anti-skid device for automobile tires comprising a pair of rings adapted to be disposed on opposite sides of the tire, a plurality of tread chains arranged transversely of the tire, the end links of each tread chain adapted to loosely engage around said rings, and collars permanently arranged on said rings positioned a short distance on each side of said end links to permit a limited movement of said end links on said rings.

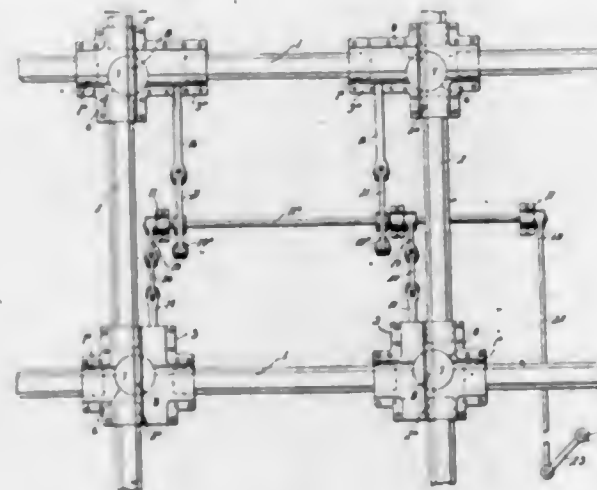
1,519,938. FLEXIBLE PLIERS. DONALD V. SMITH, Hollister, Calif. Filed Sept. 13, 1923. Serial No. 662,504. 2 Claims. (Cl. 294-36.)



1. In a device of the character described a handle portion, a second handle portion hinged to said first mentioned handle portion, a flexible tubing secured to one of said handle portions, a wire secured to the other

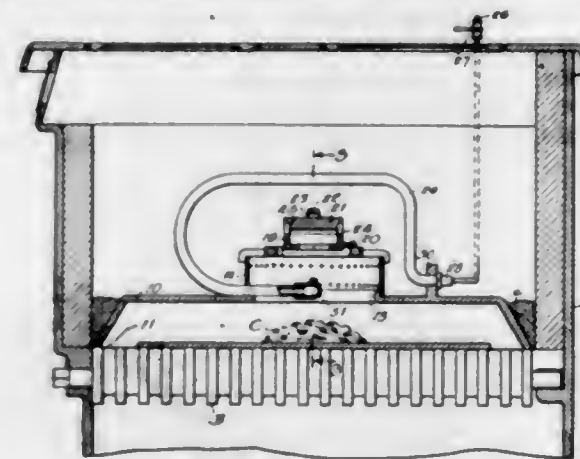
of said handle portions and extending through said tubing, and jaw portions mounted on the opposite end of said tubing from said handle, one of said jaw portions being connected to said wire, substantially as and for the purpose specified.

1,519,939. RAILROAD CROSSING. GEORGE W. SMITH, Little Rock, Ark. Filed Apr. 28, 1924. Serial No. 709,642. 3 Claims. (Cl. 246-378.)



1. A railroad crossing comprising spaced rail sections arranged in parallel series, other spaced rail sections arranged in parallel series and at right angles to the rails of the first-named series, joint bodies each having sockets in its four edges receiving extensions of the bases and webs of four rail sections and each having its upper side flush with the treads of the rail sections and each having in its upper side a circular space and grooves at right angles to each other and arranged at opposite sides of said circular space, disks arranged in said circular spaces of the joint bodies and each having a groove, and means connected with the said disks for assuring movement of the disks about their axes in concert.

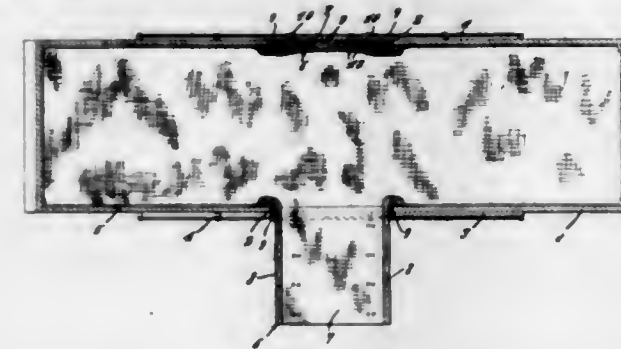
1,519,940. OIL BURNER. JERRY JOHN SMITH, North Adams, Mass. Filed Nov. 27, 1923. Serial No. 677,284. 2 Claims. (Cl. 158-64.)



1. In a burner, a hollow base having an inlet for air and having at the top thereof an approximately central opening as well as longitudinal outlet slots at the sides of the base, a ring seating on said base at said central opening and having openings for the inlet of air, a support having lateral arms resting on said ring, said support being opened for the outflow of air and oil vapor, and a burner head formed of separable upper and lower sections, the upper section being in the form of a disk, upstanding pins on the lower section engaging the said disk and supporting the latter elevated to provide outlet passages for the combustible mixture at opposite sides of the head, said lower section having lateral members rest-

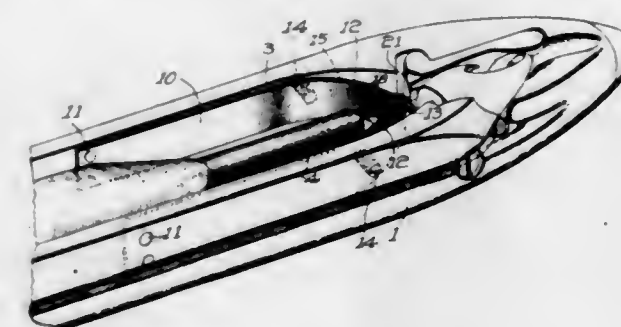
ing on said support and the support having centering lugs within which said lower section is received; together with a vaporizing pipe extending above the burner across the burner head thereof, said vaporizing pipe being return bent and extending through said ring at a side thereof to the mixing chamber within, and a tip on the terminal of said vaporizing pipe.

1,519,941. COMBINATION GRAIN CONTAINER AND DOOR. GEORGE S. SOBECK, Jr., Luzerne, Pa. Filed Apr. 17, 1922. Serial No. 553,376. 1 Claim. (Cl. 105-423.)



In a device of the class described, a flexible box-like body so shaped as to fit within a car and having an opening adapted to coincide with the doorway of a car, and a flexible chute secured to the body about the opening of the body, the chute comprising a bottom and side walls, the side walls being foldable to form inwardly extended wings, and the bottom being foldable to overlie the wings, the length of the bottom being such that, when the bottom is folded, it will form a complete closure for the opening in the body, and releasably engaged elements on the bottom and the body, coacting to hold the bottom and the wings in folded position.

1,519,942. TENSION DEVICE FOR LOOM SHUTTLES. WILLIAM R. THIGPEN, Fayetteville, N. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed June 4, 1924. Serial No. 717,869. 6 Claims. (Cl. 139-217.)

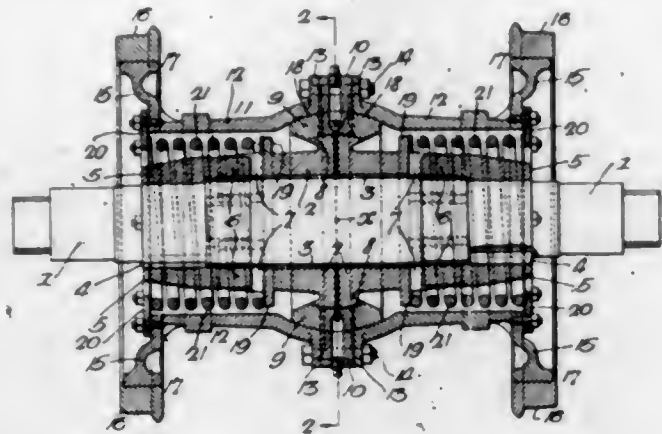


1. An automatically threading loom shuttle having a bobbin chamber, two leaf springs extending longitudinally of the shuttle and converging within the bobbin chamber to enclose the end portion of the bobbin and prevent ballooning and to provide tension on the thread as it unwinds from the bobbin during weaving.

1,519,943. RADIAL DRIVING WHEEL FOR LOCOMOTIVES. JACQUES L. VAUCLAIN, Haverford, and JOHN A. PFEIFFER, Philadelphia, Pa., assignors to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 30, 1924. Serial No. 723,186. 4 Claims. (Cl. 105-99.)

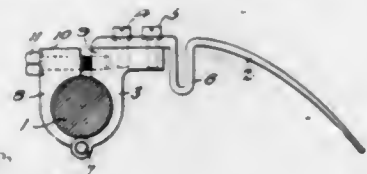
1. The combination of an axle; a centrally located hub mounted loosely thereon and having jaws at each end; a driving head secured to the axle on each side

of the hub and having jaws extending into the spaces between the jaws of the hub; a wheel structure shaped to form a socket, the periphery of the hub being a seg-



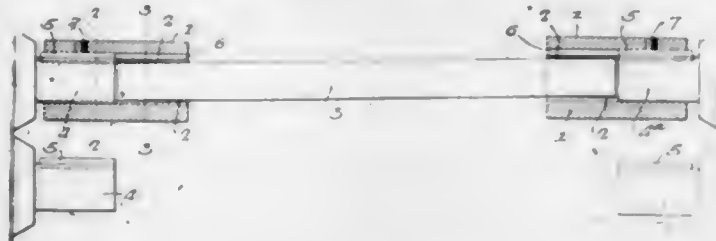
ment of a ball, and being located in the socket of the wheel structure, said hub having sockets; blocks mounted within the sockets; and pins, on the wheel structure, on which the blocks are swiveled.

1,519,944. GRIPPER FOR PRINTING PRESSES AND PAPER-USING MACHINES. AUGUST W. WARREN, Brooklyn, N. Y. Filed May 1, 1922. Serial No. 557,755. 2 Claims. (Cl. 101-412.)



1. A gripper for printing presses, comprising a jaw, means for clamping said jaw on a rod, and an arc-shaped gripping finger removably secured to said jaw, said finger having a narrow U-shaped section extending normal to the remaining part of the finger for giving resilient action to the finger, said section being positioned near said jaw.

1,519,945. COUPLING. ANTHONY E. WEINGARTNER, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 3, 1923. Serial No. 622,598. 5 Claims. (Cl. 64-91.)



5. The combination of a shaft of square section; a shaft of circular section; with a sleeve tightly fitting and non-rotatively fixed to the shaft of circular section and loosely but non-rotatively engaging the shaft of square section.

1,519,946. COMBINATION JACK. WILLIAM H. WILLIAMS, Jacobs Creek, Pa. Filed June 26, 1922. Serial No. 579,833. 7 Claims. (Cl. 254-67.)

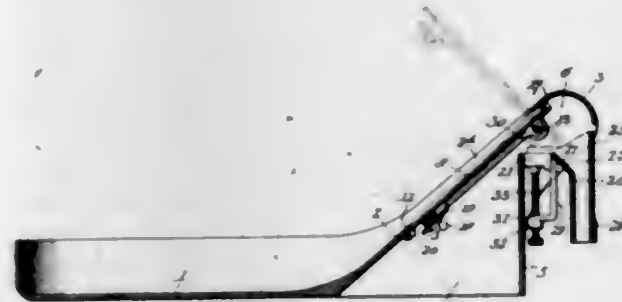
7. In a device as set forth, the combination with male and female extensibly connected members, of a feed element carried by the female member and operatively connecting with the male member for imparting exten-

sible movement to the latter, a pair of rotating devices for cooperation with the element, operating means including a second element for selective engagement with either one of the devices whereby continuous rotating movement may be imparted to the feed element to feed the male member in one direction or the other, an object engaging lifting means carried by one end of one of the members for engagement with an object to be lifted, and anchor arms pivotally mounted at one end of the



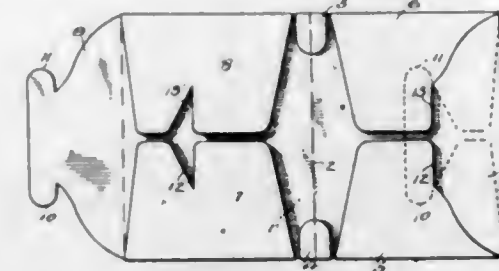
female member, said anchor arms comprising folding sections, certain of which are provided with terminal hooks, said folding sections of the arms being extensible in the same general direction with the operating means, whereby the terminal hooks of certain of the sections may engage with a draft member so that the lifting means may raise an object to be lifted, one end of the female member having seats for the reception of the terminal hooks of the folding anchor arms.

1,519,947. COMBINED AUTOMATICALLY AND MANUALLY OPERATING COIN COUNTING AND STACKING MACHINE. JOHN A. WILLIAMSON, Denver, Colo., assignor to The Automatic Coin Stacker Corporation, Denver, Colo., a Corporation of Colorado. Filed Apr. 15, 1924. Serial No. 706,747. 2 Claims. (Cl. 133-8.)



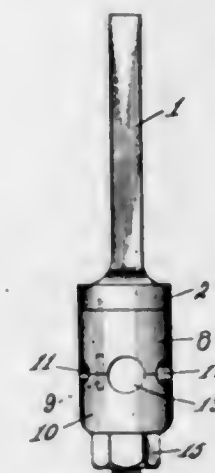
1. A device of the character described, comprising a flat-bottomed receptacle which terminates on one side in an inclined wall having an opening therein, a shaft mounted beneath said inclined wall, a support rigidly mounted on said shaft, a plate which fits in said opening and is removably secured to said support and provided with a plurality of slideways adapted to receive a fixed number of coins of a given denomination, and a handle on said shaft for turning the same thereby to tilt said plate to discharge the coins from said slideways, and a stacking device for receiving said coins.

1,519,948. BOOK COVER. WILLIAM ZUCKERMAN, New York, N. Y. Filed Aug. 4, 1922. Serial No. 579,713. 2 Claims. (Cl. 281-34.)



2. A book cover, comprising a rectangular body provided with a pair of side flaps on each of the side edges, each of the side flaps having a notch extending from the outer edge toward the edge of said body, said side flaps being adapted to be folded over the body when in use, a pair of end flaps extending from the ends of said body, each of said end flaps having a plurality of tabs projecting therefrom, said tabs being adapted to be inserted through the notches in the side flaps so that the tabs may interlock with said side flaps for holding all of the flaps in a folded position and a center flap on each of the side edges of said body between the respective side flaps, said center flaps being short compared with said side flaps and capable of folding over the center of the body to present a reinforced structure at the back of the book when the device is in operation.

1,519,949. CUTTER-BAR TOOL. WILLIAM A. BORN, Chicago, Ill. Filed Mar. 27, 1922. Serial No. 547,058. 2 Claims. (Cl. 29-96.)

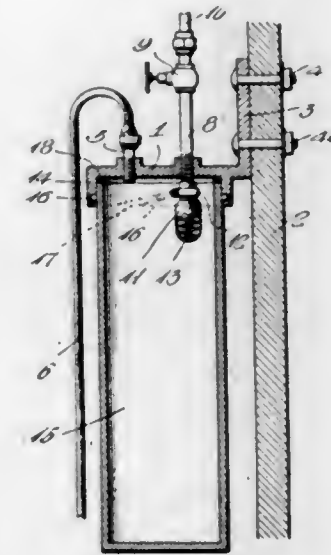


1. In a device for the purpose set forth, a stock having a head provided with an extending slotted spindle and having a pin adjacent said spindle, a sectional sleeve arranged on the spindle, one of the sleeve sections having spaced slots to receive the pin therein, the sleeve sections having their confronting faces formed with radial grooves of different diameters and one of said grooves aligning with the slot in the spindle, and adjustable means on the spindle engageable with one of the sleeve sections for moving the same toward or permitting its movement away from the other sleeve section adjusting the same with respect to the inner sleeve section.

1,519,950. VACUUM CLEANER. CHARLES W. BOUGHAN, Hedrick, Iowa. Filed Mar. 3, 1924. Serial No. 696,047. 3 Claims. (Cl. 183-44.)

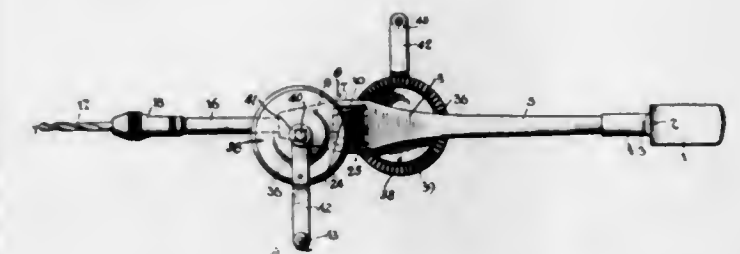
3. A vacuum cleaner comprising a cap, means for attaching said cap to a support, a dust receptacle having

a detachable connection with and supported by said cap, an air and dust inlet pipe arranged in said cap and opening in said receptacle, an air outlet pipe arranged in said cap and having its inner end projecting a slight distance into said receptacle, a dust screening



bag clamped to the inner end of said outlet pipe, a coiled expanding spring in said bag, said spring having a reduced upper end fitting into the end of said outlet pipe whereby the spring is held in position, and a valve in the outer portion of said pipe.

1,519,951. BREAST DRILL. JESSIE B. BOWMAN, Middleboro, Ky. Filed Mar. 3, 1924. Serial No. 696,541. 2 Claims. (Cl. 145-67.)

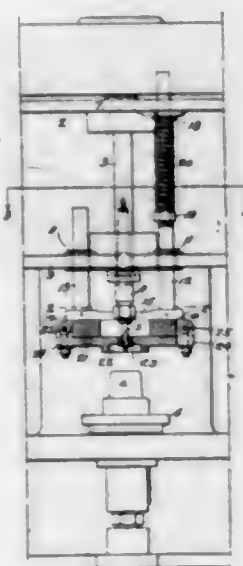


1. A breast drill comprising a supporting bar provided with an opening near its forward end, a pair of oppositely disposed stub shafts secured to and projecting laterally from said bar, said shafts arranged in proximity and one positioned forwardly and the other rearwardly of said opening, a sleeve mounted in said bar forwardly of and communicating with said opening, a revolvable tool member carrying shaft journaled in said sleeve and extending across said opening and into said bar, a one piece double bevel toothed pinion fixed to said revolvable shaft within said opening, and manually operated means mounted on each of said stub shafts and meshing with said pinion for driving it, said rear stub shaft intersecting the longitudinal center of said bar and the other of said stub shafts arranged to one side of the longitudinal center of said bar.

1,519,952. WORK-POSITIONING DEVICE FOR DRILLING MACHINES. JOHN WILSON BROWN, Jr., Philadelphia, Pa. Filed Oct. 6, 1921. Serial No. 505,794. 7 Claims. (Cl. 77-18.)

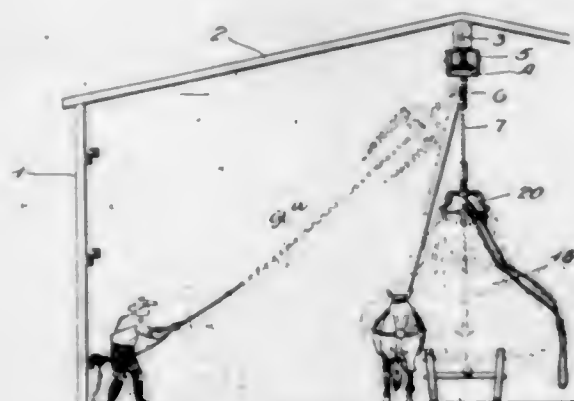
1. In a drilling machine, the combination with a head, of a spindle adapted to receive a drill mounted on said head; a work positioning device comprising a body por-

tion; spaced parallel guide rods, said head and body portion having a relative sliding guide engagement with said rods; means for resiliently forcing said work pos-



tioning device away from said head; and a centering plate secured on said body portion, said plate having a perforation to receive said drill.

1,519,953. SYSTEM AND APPARATUS FOR DISTRIBUTING LOOSE MATERIAL. JOHN W. CALLAHAN, Wellsboro, Pa., assignor, by mesne assignments, to Callahan Distributor Company, Incorporated. Filed Jan. 6, 1923. Serial No. 611,136. 11 Claims. (Cl. 214-5.)

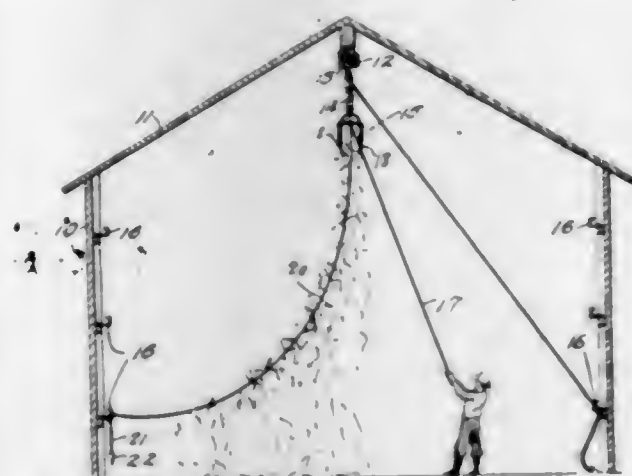


1. The method of transferring a segregated quantity of loose interlaced material from an elevated position to a lower selected point of destination which consists in establishing a guiding means through said quantity connected to said point of destination, and releasing said quantity for travel along said guiding means.

1,519,954. HAY DISTRIBUTOR. JOHN W. CALLAHAN, Wellsboro, Pa., assignor, by mesne assignments, to Callahan Distributor Company, Incorporated. Filed Aug. 29, 1922. Serial No. 585,065. 5 Claims. (Cl. 214-5.)

1. In hay distributing apparatus, the combination of an elevating hay fork operable to release its load, hay

piercing means comprising a shank having a pointed head thereon and a sheath in which said shank is received, a flexible member connected to said shank and



having its other end supported with said fork, and means for detachably connecting said sheath to said fork.

1,519,955. PIPE TAMPER. MICHAEL CIULLA, Hastings upon Hudson, and DOMENICO P. FONTANA, New York, N. Y.; said Ciulla assignor of his entire right to said Fontana. Filed Aug. 23, 1923. Serial No. 659,009. 1 Claim. (Cl. 131-12.)

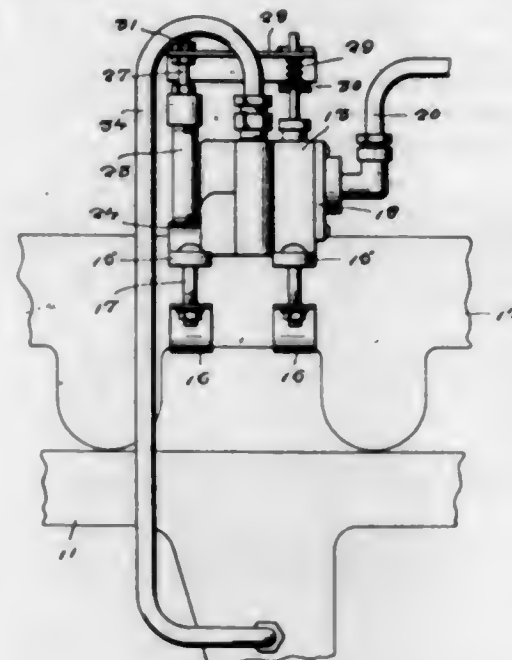


The combination with a pipe, of an attachment therefor comprising a tamper including a head and a pivoted handle, a keeper secured to the pipe bowl having means for slidably receiving the head of the tamper, a socket element embedded in the stem portion of the pipe, and a pintle at the free end of the handle for engagement within the socket element to maintain the head positioned in the keeper and whereby to permit of disassociation of the implement for use.

1,519,956. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JAMES HAYWOOD CONNOLLY, El Paso, Tex. Filed Feb. 12, 1921. Serial No. 444,515. 1 Claim. (Cl. 123-25.)

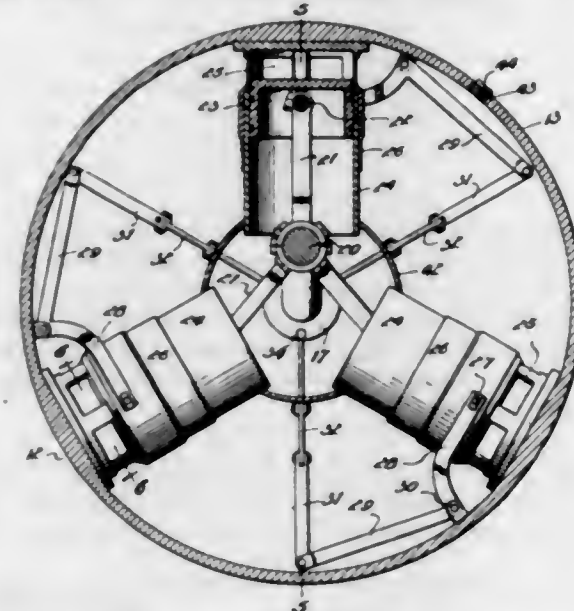
A humidifying device for internal combustion engines comprising a steam generating chamber fixed to the exhaust pipe of the engine and provided with inlet and outlet openings, a needle valve rising from the casing

and controlling the inlet opening, a vertically disposed thermostatic metal tube in communication with the exhaust pipe and provided with an outlet opening adjacent



its outer end, a threaded rod adjustably associated with the upper end of the tube and an arm bridging the threaded rod and needle valve respectively for the purpose specified.

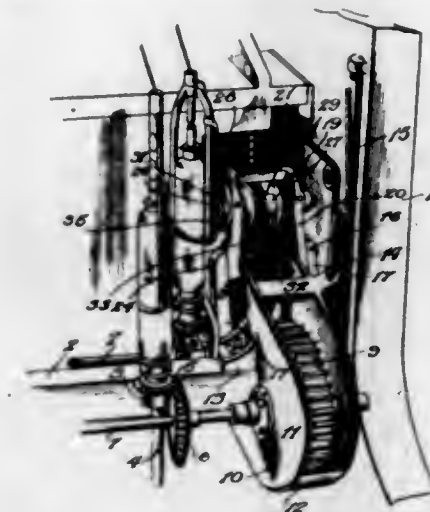
1,519,957. FLUID-TRANSMISSION MECHANISM. ERNEST R. CORNELL, Omamee, Ontario, Canada. Filed Sept. 13, 1922. Serial No. 588,047. 1 Claim. (Cl. 192-60.)



A power transmission mechanism comprising in combination with a drive shaft and a driven shaft having a cranked end, of a fluid casing receiving the cranked end of the driven shaft and having secured thereto the drive shaft for rotation thereof, an annular partition surrounding the cranked end of the driven shaft, a plurality of equidistantly spaced cylinders extending from the inner periphery of the casing and having their inner ends received by the partition, said cylinders being disposed at an angle with respect to each other and being provided with elongated fluid ports extending around the outer ends thereof, sleeve valves operatively associated with the fluid ports, bell crank levers pivotally secured to the partition intermediate their ends and having means of connection with the sleeve valves, a spring pressed clutch collar surrounding the driven shaft, axially movable rods operated by the clutch collar and connected to the bell crank levers, and pistons operating within the cylinders as and for the purpose specified.

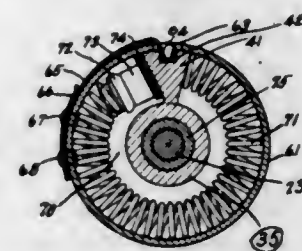
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1,519,958. DRIVE FOR ROVING FRAMES. LEONARD SAMUEL CHENSHAW, Knoxville, Tenn., assignor of one-half to Lawrence D. Tyson, Knoxville, Tenn. Filed Mar. 29, 1923. Serial No. 628,666. 5 Claims. (Cl. 118-46.)



1. In a roving frame drive, the combination with the drive shaft and the bobbin shaft, of a yoke swingingly connected with the bobbin shaft, an arm swingingly connected with the drive shaft and pivotally connected with the yoke, sprockets mounted in the yoke, sprockets upon the drive and bobbin shafts, a chain trained about one of the first mentioned sprockets and the sprocket upon the drive shaft, and a chain trained about the other first mentioned sprocket and about the sprocket upon the bobbin shaft.

1,519,959. IMPULSE COUPLING. ROBERT M. CRITCHFIELD, Anderson, Ind., assignor to General Motors Corporation, Anderson, Ind., a Corporation of Delaware. Filed July 24, 1923. Serial No. 653,596. 3 Claims. (Cl. 123-149.)

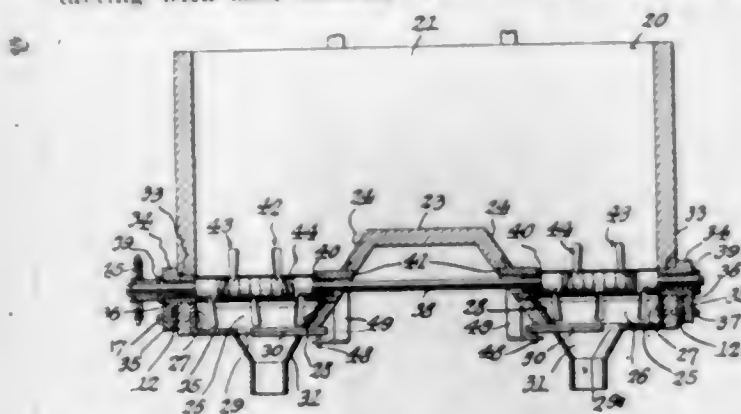


2. An impulse coupling for magnetos comprising the combination with rotatable driving and driven members; of a driven member including a notched portion, and a driving member; of a leaf spring attached to said driving member and having a hook portion normally received by said notch to maintain a substantially constant relation between said members; an impulse spring through which the driving member tends to drive the driven member; and means for intermittently stopping the driven member to store energy in said spring, and for releasing said driven member whereby acceleration of the driven member is produced by said spring and the driven member overtakes the driving member, said means being rendered centrifugally inoperative at higher speeds; the yielding of said leaf spring permitting operation of said means and tending to cushion the impact of the driven member against the driving member.

1,519,960. FERTILIZER DISTRIBUTOR. DANIEL R. DAY, Trenton, S. C. Filed Dec. 1, 1923. Serial No. 678,042. 2 Claims. (Cl. 275-2.)

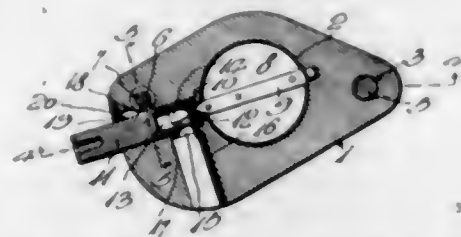
1. In a fertilizer distributor, a frame, a hopper arranged within the frame and extending transversely thereof, said hopper having a central upstanding bridge embodying downwardly and outwardly inclined walls,

said bridge dividing the hopper into a pair of chambers, a pair of bottom elements mounted within the chambers, said bottom elements having inner inclined flanges contacting with said inclined walls of the bridge and outer



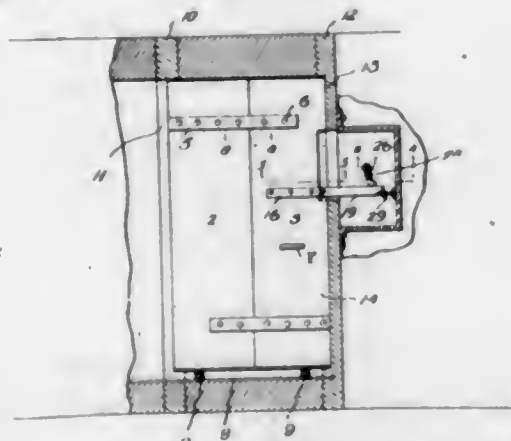
substantially vertical flanges engaging the side walls of the hopper, bolts connecting the vertical flanges and the side walls of the hopper with the frame, rotatable elements mounted within said chambers, and outlet elements connected with the bottom elements.

1,519,961. INTAKE-MANIFOLD LOCKING VALVE. WESLEY DAMON HAM, Manchester, N. H., assignor of one-half to Frank P. Ham, Manchester, N. H. Filed Nov. 10, 1923. Serial No. 674,020. 2 Claims. (Cl. 251-6.)



1. A valve comprising a body having a passage for fluid extending therethrough, a valve disposed in said passage and mounted for rotation upon an axis transverse to the axis thereof, said body being provided at one side of said passage with a bore arranged co-axially with said valve, a plunger slidably mounted in said bore to shift longitudinally of the axis of said valve, the inner end portion of said plunger being hollow and having its end wall provided with an elongated slot, and the adjacent end of the shaft of said valve being flattened and twisted and extending through said slot into the hollow end portion of said plunger, whereby a sliding movement of said plunger will turn said shaft and said valve.

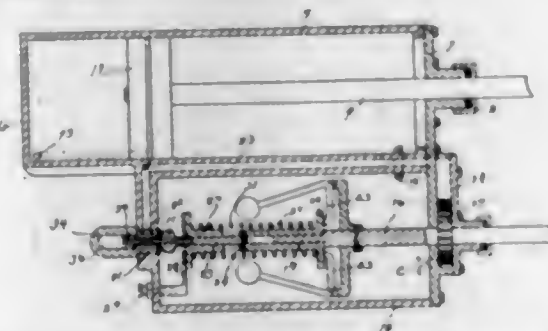
1,519,962. GRAIN DOOR. WINTON H. HARDSMAN, St. Louis, Mo., assignor to H. P. Murmann, St. Louis, Mo. Filed Apr. 4, 1922. Serial No. 549,553. 2 Claims. (Cl. 20-22.)



1. In a grain door, a pair of uprights one of which is provided with a vertical slot, a door mounted for sliding movement through the slot in said upright, the

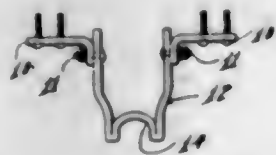
other upright opposite to the slotted upright being provided with a recess for receiving one edge of the slidable door, a bar rigidly connected to the door, a hasp pivotally connected to said bar, said door being recessed to permit the hasp to be folded into the recess and flush with the edge of the door, a keeper remote from said uprights and adapted to engage said hasp, and a gravity operated pawl engaging the hasp to force it into locking engagement with said keeper.

1,519,963. BALANCED VALVE FOR HYDRAULIC GOVERNORS. LON T. HARRIGAN, Los Angeles, Calif. Filed Nov. 9, 1923. Serial No. 673,860. 3 Claims. (Cl. 188-92.)



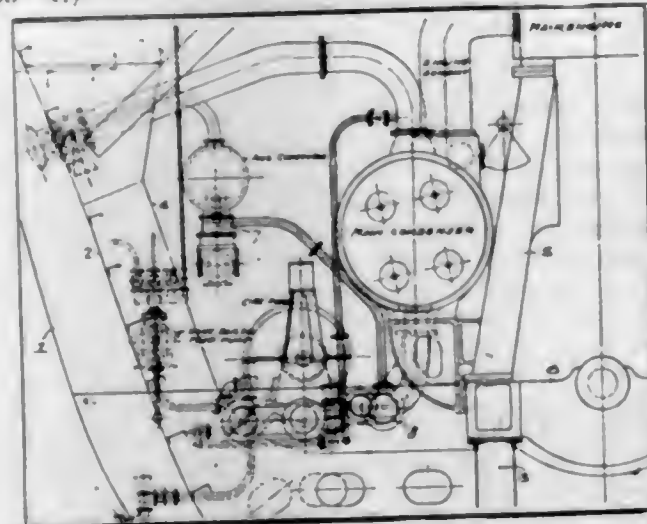
1. In combination with a hydraulic braking mechanism having a circulating system, a valve positioned in said system, said valve being provided with a central bore, a piston secured to one end of said valve, and means for transmitting fluid pressure to said piston in such a manner as to equalize the pressure against said valve.

1,519,964. CRANK HOLDER. LOUIE J. HERMANN, Sigourney, Iowa. Original application filed July 5, 1921. Serial No. 482,510. Divided and this application filed May 3, 1923. Serial No. 636,651. 1 Claim. (Cl. 74-33.)



A crank holder having an arm consisting of a metallic strap generally of U-shape, attaching brackets, bolts pivotally mounting and binding the arm adjacent its distal ends to and against said attaching brackets, the bridge of the strap being reversed to provide a crank-retaining notch, and the strap being doubled at the bridge on each side of the notch.

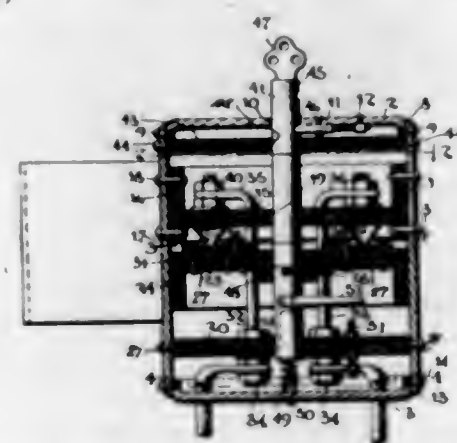
1,519,965. ART OF LAYING OUT DRAWINGS. MEGERDICH HOVHANNESSIAN, South Bethlehem, Pa. Filed May 27, 1921. Serial No. 473,077. 2 Claims. (Cl. 33-1.)



1. The method of preparing representations of structural drawings of solid objects which consists in assembling pictures of the main structural elements upon a

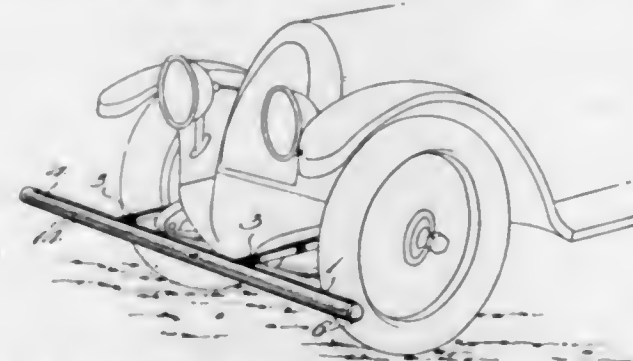
base sheet in definite relative positions, assembling pictures of piping and fittings between the pictorial representations of the main structural elements to show the operative connections between the main structural elements, and superimposing upon the picture thus formed pictures of apparatus and connections which occupy a plane between the observer and the previously formed picture, the superimposed pictures being formed on transparent material so that the underlying pictures may be visible therethrough.

1,519,966. CIRCUIT OPENING AND CLOSING DEVICE. FRANK P. HUBER, New Orleans, La. Filed Oct. 16, 1923. Serial No. 668,856. 6 Claims. (Cl. 200-44.)



1. A circuit opening and closing device for the purpose set forth, comprising a pair of outer insulation elements and an inner insulation element, said inner element shiftable relatively to said outer elements, circuit forming means including two pairs of bus bars extending through said elements and provided with means to prevent the shifting thereof relatively to said elements, two pairs of circuit opening and closing members, each pair of members connected with the ends of a pair of bus bars, socket forming contact means carried by said inner element and engageable with and disengageable from said members for closing and opening a circuit, a shiftable spring controlled element extending through said insulation elements and fixed to the inner element for shifting the same, and means for locking said spring controlled element in position to open and close said circuit.

1,519,967. PNEUMATIC BUMPER. ALBERT M. HUGHES, Pasadena, Calif. Filed May 19, 1924. Serial No. 714,434. 3 Claims. (Cl. 293-55.)

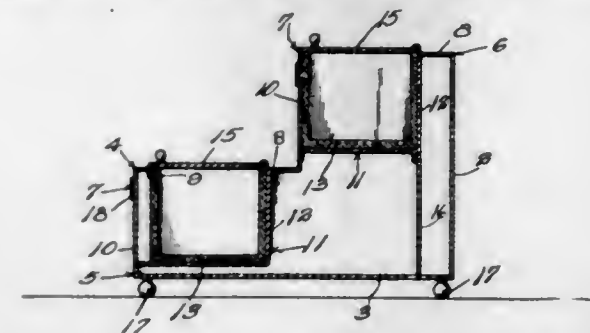


1. A pneumatic bumper comprising a tubular yieldable casing having concavo-convex yieldable end members tightly sealing its ends, a pneumatic tube in said casing having comparatively stiff end members spaced inwardly from said concavo-convex end members to provide air pockets, and abutments secured in the end portions of said casing to limit the outward movement of the tube ends.

1,519,968. JAR CABINET. JAMES BATES, Lorain, Ohio. Filed Mar. 10, 1923. Serial No. 624,188. 1 Claim. (Cl. 211-9.)

A jar cabinet, including a body having a bottom wall, a rear wall, and a connecting wall between the forward edge of the bottom wall and the upper edge of the rear

wall, said connecting wall being formed with a plurality of stepped portions having horizontal offset portions and vertical wall portions, said horizontal offset portions being formed with a plurality of openings, and receptacle supporting means of angular form, having vertical portions and horizontal portions, one supporting member being secured in each stepped portion of the connecting wall, and having the vertical portion thereof connected to the horizontal offset portion and the horizontal por-



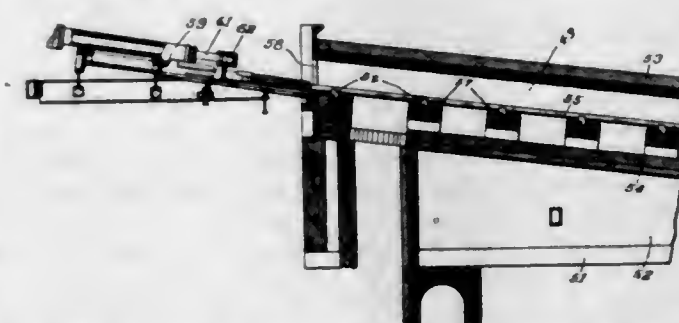
tion thereof connected to the vertical wall portion for providing a support for a plurality of receptacles inserted through the openings in the horizontal offset portion of the connecting wall, so that the upper end of said receptacle will lie flush with the faces of the horizontal offset portions of the connecting walls, said receptacles being provided with individual covers, and the vertical portion of the rear receptacle supporting member having a depending wall engaging the bottom wall of said cabinet.

1,519,969. FACED CROWN AND METHOD OF MAKING THE SAME. CHARLES BECHTOLD, Glendale, N. Y. Filed Jan. 20, 1923. Serial No. 613,922. 5 Claims. (Cl. 32-29.)



1. A dental crown adapted to fit a tooth, a backing secured within an open area upon the face of said crown, a facing upon said backing, an enveloping edge upon the backing retaining said facing and an exterior marginal edge upon said crown proper enveloping said backing edges and forming a second finishing seal about said facing.

1,519,970. FURNACE. FRANK B. BELL, Pittsburgh, Pa. Filed Mar. 3, 1919. Serial No. 280,252. 10 Claims. (Cl. 263-6.)



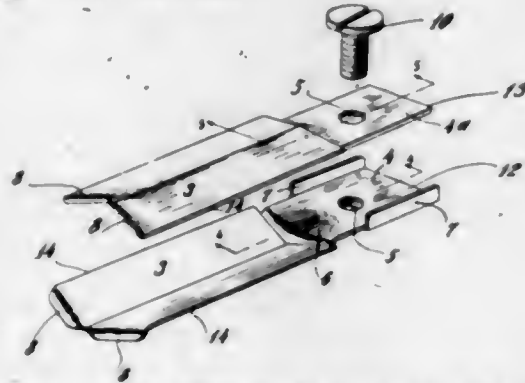
1. The process of heating blocks or billets for forging, comprising moving them down skidways through a heating chamber and onto a movable carrier bottom in a main heating chamber, and mechanically moving said bottom so that the blocks or billets are moved continuously and without manual handling about said main heating chamber to a point of exit with the portions thereof formerly engaging the skidways exposed directly to the heated gases of the heating chamber to equalize the temperature.

1,519,971. RESILIENT WHEEL. JAMES E. HALE, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 30, 1922. Serial No. 532,533. 3 Claims. (Cl. 152-36.)



1. A resilient wheel, comprising a felloe, a resilient band surrounding the felloe, said band being provided with spaced substantially cone shaped recesses in its outer periphery, co-operating male and female elements upon the felloe and band, respectively, for preventing relative movement therebetween, a transversely flat tire supporting rim surrounding the resilient band, and a removable transversely flat annulus between the resilient band and the rim adapted to span the outer periphery of said band.

1,519,972. ELECTRICAL CONTACT SOCKET MEMBER. AUGUST HARTH, Newark, N. J., assignor to Magnus Electric Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 17, 1920. Serial No. 359,431. 1 Claim. (Cl. 173-332.)



In a contact socket member, a plurality of jaw members adapted to be connected together, each jaw member comprising a jaw, a shank provided with an opening, a sloping shoulder connecting the jaw with the shank, the shank being bent into an arcuate shape intermediate the opening formed therein and its point of connection with said sloping shoulder, whereby the shank portion is reinforced against flexing when the jaws are separated, and means passed through the openings of the shanks for retaining the jaw members together.

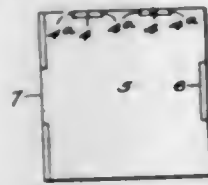
1,519,973. PROCESS OF TREATING MAGNETIC SAND OR PULVERIZED IRON ORE. ASANO NAITO, Tokyo, Japan, assignor to Goro Matsukata, Tokyo, Japan. Filed Sept. 8, 1921. Serial No. 499,301. 2 Claims. (Cl. 75-73.)

1. A process of treating magnetic sand or pulverized iron ore which consists in mixing said ore with a powdered coal, heating the compound so as to produce coke-containing iron ore, heaping up the product on open ground and exposed to the air and causing the iron contained in the said coke to be rendered soluble and to be impregnated therewith, further oxidizing the same by exposure to the air, to form the same into an agglomerate suitable for use in a blast furnace.

1,519,974. TOY BUILDING BLOCK. FRANK L. ORDWAY, Salem, Mass., assignor to Parker Bros., Salem, Mass., a Corporation of Maine. Filed Apr. 8, 1922. Serial No. 550,649. Renewed Oct. 15, 1924. 4 Claims. (Cl. 229-48.)

1. A toy building block having four sides, each side having at one edge a protruding straight edged tongue

and at the opposite edge a complementary recess and at its upper edge having at least one dovetailed cut for the reception of a correspondingly shaped tongue upon

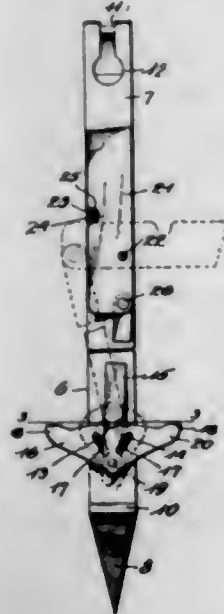


the cover, and a cover having at each edge at least one beveled protruding tongue received in the corresponding cut in the upper edge of the side pertaining thereto.

1,519,975. PRODUCTION OF STENCILS FOR USE IN DUPLICATING MANUSCRIPT AND TYPEWRITTEN DOCUMENTS, DRAWINGS, AND THE LIKE. ARMAND DE WAELE, London, England, assignor to D. Gestetner, Limited, London, England. Filed Nov. 21, 1923. Serial No. 676,178. 7 Claims. (Cl. 41-38.6.)

1. The process of producing stencils for use in duplicating manuscript and typewritten documents, drawings and the like, and particularly stencils of the kind in which a porous support, such as yoshino paper, is provided with a stencil layer including a gelatinized organic colloid, for instance a coagulated protein, which does not need moistening in order to soften the coating composition prior to cutting the stencil, which comprises effecting by mechanical means the dispersion in the coating composition to the desired degree of tempering agents which are not soluble in the medium in which the colloid is dispersed and applying said composition to a porous support.

1,519,976. NEEDLE FOR HANDLING HAY OR THE LIKE. GEORGE B. DESINERRE, Elmira, N. Y., and JOHN W. CALLAHAN, Wellsboro, Pa., assignors, by mesne assignments, to Callahan Distributor Company, Incorporated. Filed Jan. 6, 1923. Serial No. 611,115. 3 Claims. (Cl. 294-127.)

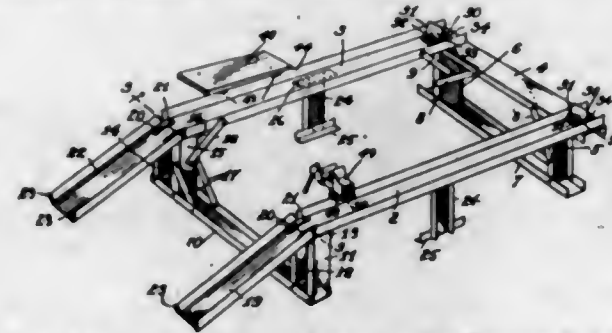


1. A needle for piercing loose interlaced material comprising an inverted U-shaped member the lower ends of which are welded together and pointed to provide a piercing end, the bent portion of said member having a slot which extends into one of the side members of the frame and terminates in an enlarged aperture for the reception of a rounded cable head.

1,519,977. AUTO TABLE. KELLY B. HARVEY, New York, N. Y., assignor to Auto Table Co., Inc., Richmond Hill, Long Island, N. Y., a Corporation. Filed Oct. 31, 1922. Serial No. 598,102. 1 Claim. (Cl. 254-88.)

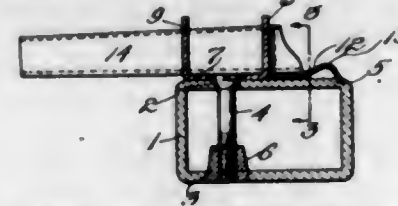
An automobile support comprising a pair of parallel channel members constituting base supports and arranged

with their flanges turned upwardly, the first of said members forming a rear base member and the second forming a front base member, vertically disposed channel members secured between the flanges of the rear base member and extending upwardly from points adjacent the extremities of the rear base member, a transverse rear channel member having its flanges turned downwardly and seated on top of the vertically disposed channel members to tie the upper ends thereof together, a plurality of pairs of vertically disposed channel members extending upwardly from the ends of the front base



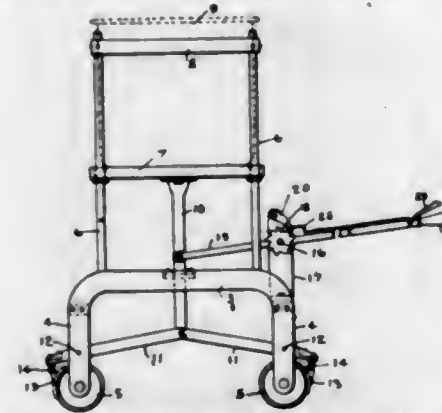
member and having their lower ends disposed between the flanges of said front base member, a pair of horizontal channels having their flanges turned upwardly, each of said pair having one end resting on and connected to a respective end of the transverse rear channel member and its remaining end supported by and connected to a respective pair of the front vertical members, and channel iron skids extending downwardly and forwardly from the front ends of said horizontal channels.

1,519,978. TUFT-TUBE FRAME FOR WEAVING. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed June 17, 1922. Serial No. 569,150. 11 Claims. (Cl. 139-10.)



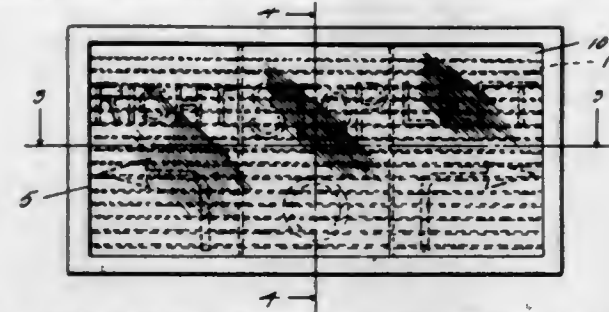
2. A tube frame embracing in its construction, a tubular carrier bar and a series of transversely disposed parallel tuft tubes, a longitudinal tube carrying strip detachably secured to the front face of the carrier bar by transverse screws passing through the carrier bar and having anchorage connection with the rear wall of the carrier bar, said holding strip forming a backing for the tuft tubes by which the tubes may be simultaneously removed from the carrier bar, substantially as described.

1,519,979. TRUCK. JOSEPHINE TRUST and HENRY TRUST, Park Ridge, N. J., assignors, by mesne assignments, to Fitchburg Machine Works, Fitchburg, Mass., a Corporation of Massachusetts. Filed Sept. 18, 1919. Serial No. 324,612. 5 Claims. (Cl. 254-8.)



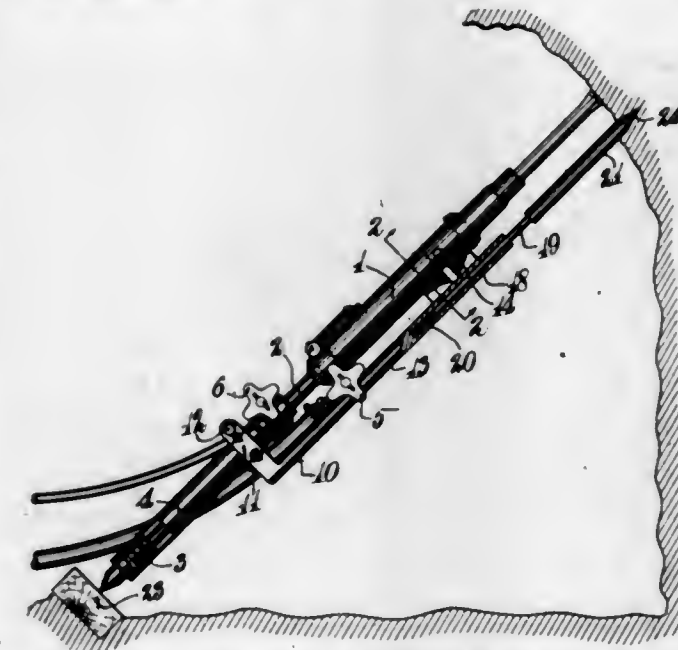
1. In a vehicle having a platform, means for raising and retaining the platform thereof at any desired height, and in combination therewith means for automatically braking said vehicle when operating said platform.

1,519,980. MOTOR-VEHICLE SIGNAL. SAMUEL F. DOUGLASS, Prairie du Rocher, Ill. Filed Feb. 21, 1922. Serial No. 538,169. 1 Claim. (Cl. 40-132.)



A traffic signal having in combination with light transmitting means, a vertical signal plate in front of and adapted for illumination by said means, a vertical translucent plate in front of the signal plate, glare-obviating slats impervious to light in advance of the translucent plate forming a screen through which the signal plate may be viewed, and the slats being spaced apart and disposed with their greater width at a right angle to said plate.

1,519,981. SUPPORTING MEANS FOR ROCK DRILLS. CHESTER MOTT, Denver, Colo., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 1, 1920. Serial No. 393,470. 3 Claims. (Cl. 255-53.)



1. The combination with a drilling apparatus comprising a drill actuating motor and feeding means therefor comprising a cylinder and piston, of a guiding member secured to one of said last mentioned elements and having a guide parallel to the line of motion of said motor and by which said motor is guided, and extensible means adjacent the free end of said member to support the same in a hole in the face which is to be drilled.

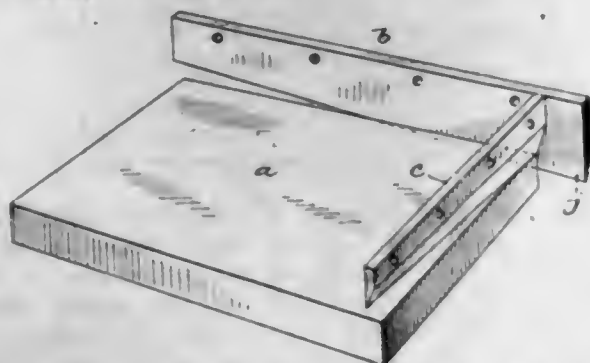
1,519,982. WIRE SPLICER AND STRETCHER. EDWARD PASDERA, St. Paul, Nebr. Filed July 18, 1923. Serial No. 652,399. 2 Claims. (Cl. 254-77.)



1. A combined wire splicer and stretcher, comprising a handle formed with a bifurcated end, each prong of said bifurcated end being formed with a notch, said notches aligning, means for holding said prongs spaced apart,

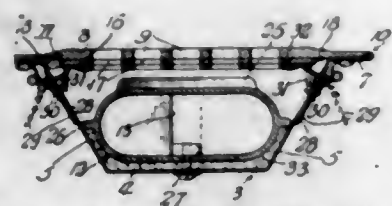
and a hook member having a bifurcated end pivotally connected with said prongs near the ends where they join the handle.

1,519,983. PLATE SHEARS. LORIN R. ROBBINS, Milwaukee, Wis. Filed Oct. 25, 1920. Serial No. 419,182. 2 Claims. (Cl. 164—58.)



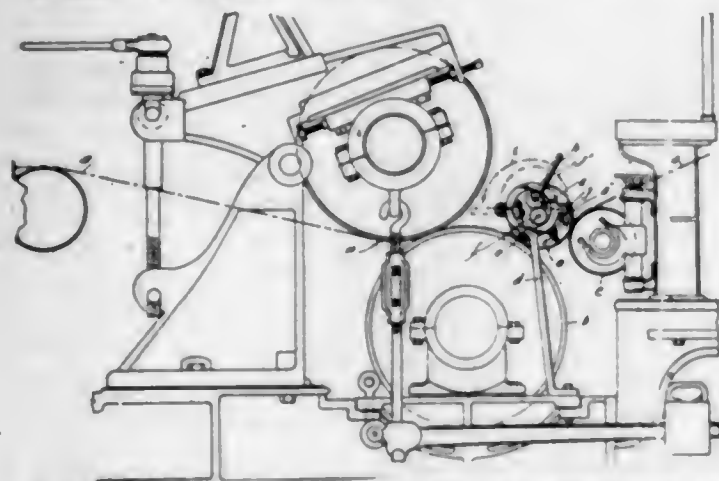
1. In plate shears, the combination of a stationary rectangular bed having adjacent hardened cutting edges, and two blades rigidly attached at right angles to each other and movable together towards and from the bed, the cutting edges of the blades being inclined towards their backs and free ends away from the plane of the bed and adapted to make shearing cuts with adjacent edges of the bed, the cutting edge of one blade being in advance of that of the other adjacent the junction of the blades.

1,519,984. COMBINED HEATER AND MUFFLER FOR MOTOR VEHICLES. ELMER RYDER, Argo, Ill. Filed Nov. 3, 1921. Serial No. 513,007. 2 Claims. (Cl. 257—136.)



1. A device of the character described, comprising a register plate, a pan beneath the same, a muffler in said pan for radiating heat through said register plate, a slidably mounted damper plate beneath said register plate for controlling the passage of heat therethrough, said pan having openings on opposite sides thereof to permit a current of air to pass through the pan and over the muffler, spring pressed dampers for normally closing said openings, arms on said dampers, and means carried by said damper plate to engage said arms upon moving said damper plate into closed position for opening said spring pressed dampers.

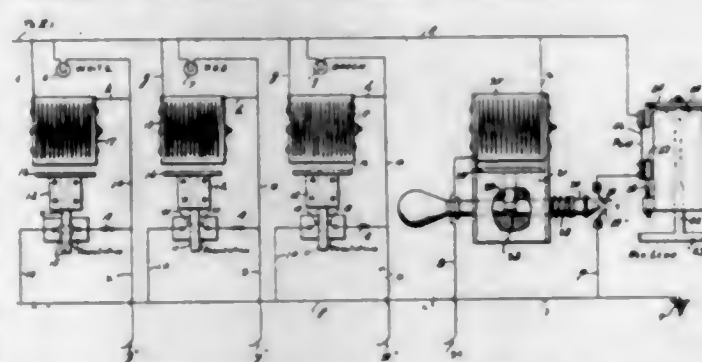
1,519,985. TRANSFER ROLL IN PAPER-MAKING MACHINES. FREDRICK D. SIMMONS, Ocean Falls, British Columbia, Canada. Filed May 19, 1921. Serial No. 470,847. 8 Claims. (Cl. 92—38.)



1. In devices of the character described comprising two adjacent carrier rolls, the combination with the latter of a rotatable transfer roll located between said carrier

rolls, and supported for being moved into and out of contact with the latter, vacuum producing means, a source of fluid under pressure, and means adapted to apply the suction and pressure forces in sequence thru the periphery of said transfer roll during the rotation of the latter, and relatively to said carrier rolls.

1,519,986. SYSTEM FOR TRAIN CONTROL. VONCO STANLEY, Burlington, Iowa, assignor of one-half to Joseph Miller, Burlington, Iowa. Filed Oct. 29, 1923. Serial No. 671,539. 7 Claims. (Cl. 246—71.)



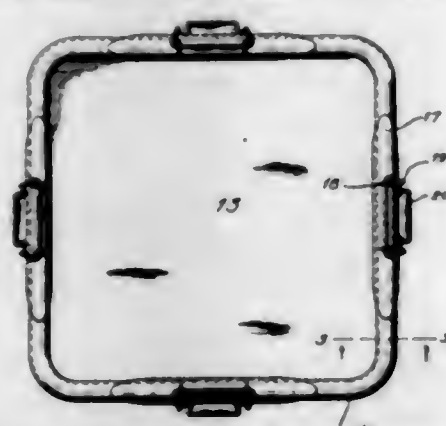
4. In combination with the air line of a pneumatic brake of a train having a branch for communication with the atmosphere, a train control comprising a valve for normally closing the branch against communication with the atmosphere, a fuse for holding the valve in closed position, a normally open circuit in which the fuse is interposed, automatically operated means for closing said circuit, and adjustable means coacting with the fuse for setting the same.

1,519,987. TUFT-TUBE FRAME FOR WEAVING. WALTER BIXBY, Boston, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1923. Serial No. 615,514. 9 Claims. (Cl. 139—10.)



1. In a tuft tube frame for weaving pile fabrics, a hollow carrier bar formed of sheet metal bent to form a tube of substantially polygonal cross section with longitudinal edges of the sheet forming an externally projecting flange or ledge firmly united together and affording support for the tuft tubes, substantially as described.

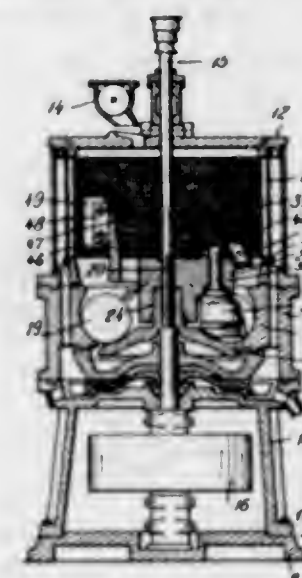
1,519,988. CLOSURE AND CLAMP FOR SAME. ALFRED A. CLARK, Baltimore, Md. Filed June 22, 1922. Serial No. 570,082. 5 Claims. (Cl. 220—55.)



1. The combination of a closure having a U-shaped flange formed around the periphery thereof, with a receptacle comprising an opening having a bead registering

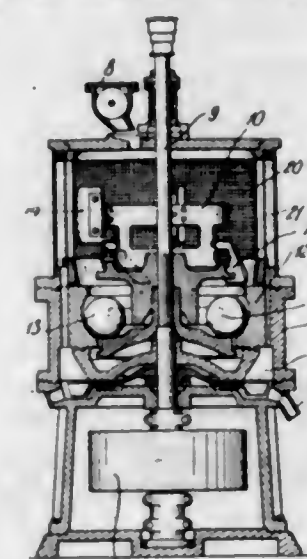
with said flange, clamps movably secured to said receptacle and embracing said flange and means for pressing said clamps upon said closure.

1,519,989. PULVERIZING MILL. HARRY R. COLLINS, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Mar. 10, 1924. Serial No. 698,001. 22 Claims. (Cl. 83—45.)



1. In a pulverizing mill, a pulverizing zone containing a grinding ring, a yoke rotatably mounted in the mill, grinding balls freely movable in the grinding ring, a plurality of devices for engaging and propelling the balls and for dislodging the material passed over by the balls, and means in tension for securing the devices to the yoke.

1,519,990. PULVERIZING MILL. CHARLES H. BREERWOOD, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Mar. 7, 1924. Serial No. 697,543. 11 Claims. (Cl. 83—45.)

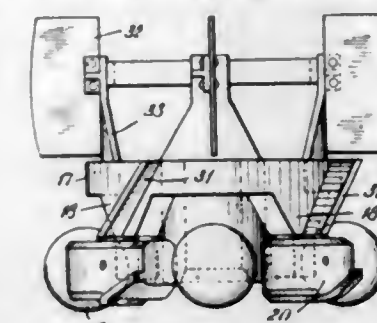


1. In a pulverizing mill, having a grinding ring grinding devices operating in said ring and superjacent lifting devices, a plow of the character described positioned between a pair of grinding devices, and embodying means for elevating the pulverized material to the zone of action of the lifting devices and means for picking up coarse or unground material lying in the grinding ring and depositing it in the path of the succeeding grinding device.

1,519,991. PULVERIZING MILL. CHARLES H. BREERWOOD, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Mar. 7, 1924. Serial No. 697,544. 17 Claims. (Cl. 83—45.)

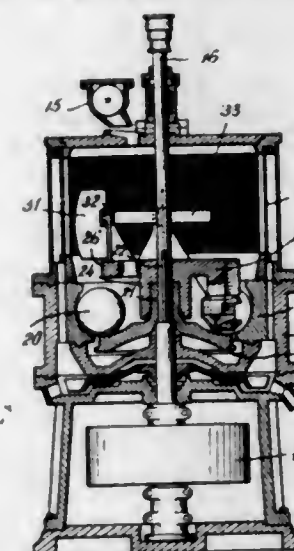
1. In a pulverizing mill, a pulverizing zone containing a raceway, a plurality of revolvably mounted arms ex-

tending into the pulverizing zone, a plurality of grinding balls in the raceway, and a single means mounted on each arm for performing the dual function of pro-



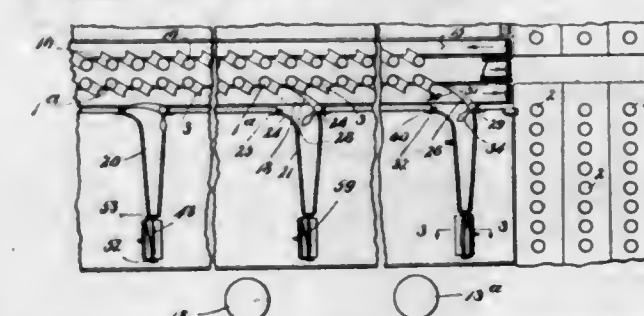
1. In a pulverizing mill, a pulverizing zone containing a raceway, a series of rotatably mounted vertical arms connected together at their upper ends and extending into the pulverizing zone, grinding balls freely movable in the raceway, and single means carried by each of the arms for propelling the balls and for dislodging the ground material from the surface of the raceway.

1,519,992. PULVERIZING MILL. CHARLES H. BREERWOOD, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Mar. 7, 1924. Serial No. 697,545. 25 Claims. (Cl. 83—45.)



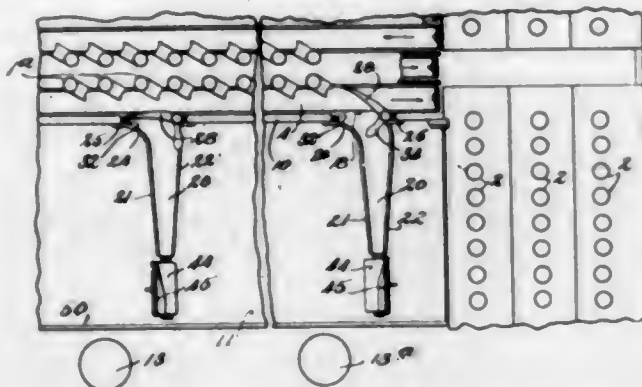
1. In a pulverizing mill, a pulverizing zone containing a raceway, a series of rotatably mounted vertical arms connected together at their upper ends and extending into the pulverizing zone, grinding balls freely movable in the raceway, and single means carried by each of the arms for propelling the balls and for dislodging the ground material from the surface of the raceway.

1,519,993. CARRIER-DIVERTING DEVICE FOR CARRIER-DISPATCH SYSTEMS. AUGUST KOENIG, Lowell, Mass., assignor, by mesne assignments, to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1921. Serial No. 450,552. 8 Claims. (Cl. 243—24.)



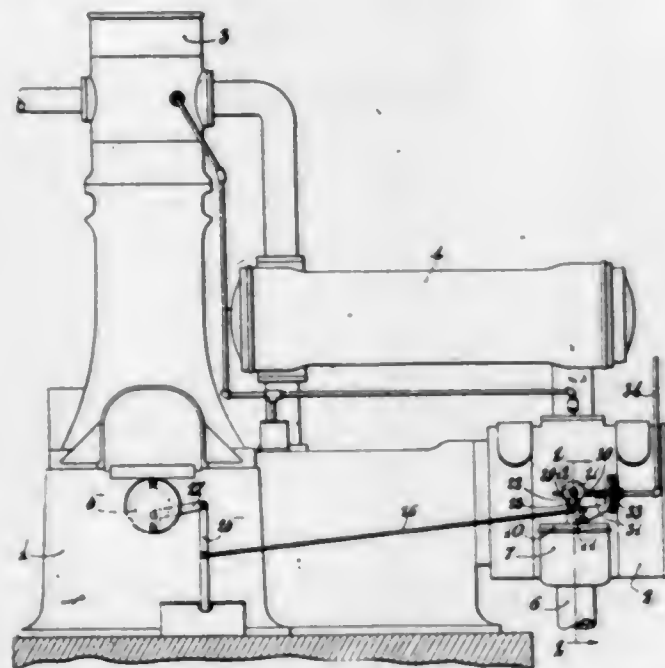
1. A carrier dispatch central station comprising means for conveying carriers in a stream extending in a substantially straight path, a chute arranged at an angle to said path, a normally inoperative gate member associated with said chute and movable across said path whereby to divert carriers into said chute, and carrier controlling means at the delivery end of the chute comprising a support for receiving a carrier, and manually adjustable means for rolling a carrier from said support in one or the other direction.

1,519,994. CARRIER-DELIVERY MEANS FOR USE IN CONVEYER SYSTEMS. AUGUST KOENIG, Lowell, Mass., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Original application filed Mar. 8, 1921, Serial No. 459,552. Divided and this application filed Jan. 18, 1923. Serial No. 613,371. 8 Claims. (Cl. 198-188.)



2. In combination in a carrier despatch system, means for conveying carriers in a predetermined path, a chute extending at an angle to said path, and a gate member hingedly supported upon the chute adjacent to its receiving end and constructed and arranged to stand across the open end of the chute or across the path of the carriers respectively, said gate, when in either position presenting a curved face for engagement by the moving carriers.

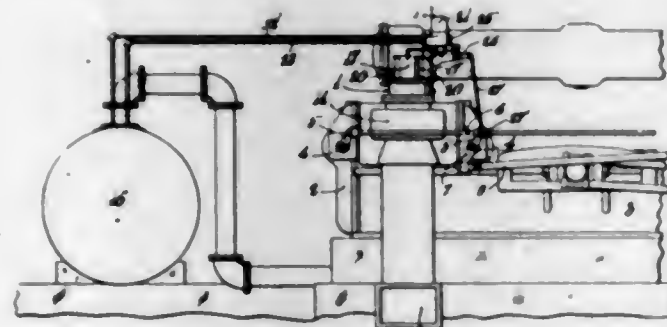
1,519,995. COMPRESSOR-CONTROLLING MEANS. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 10, 1921. Serial No. 436,215. 18 Claims. (Cl. 230-24.)



1. In a compressor controlling mechanism, a member intermittently rotating during the running of the compressor, means adapted to be actuated thereby to effect loading or unloading of said compressor, and means con-

trolled by compressor discharge pressure controlling the actuation of said first mentioned means by said member.
8. In a compressor controlling mechanism, a member operative in different positions to cause loading and unloading of a compressor, and frictional driving means for said member.

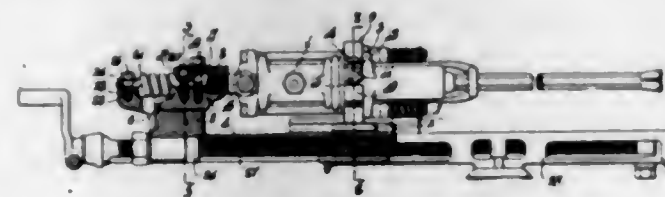
1,519,996. COMPRESSOR-UNLOADING MECHANISM. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 10, 1921. Serial No. 436,217. 24 Claims. (Cl. 230-24.)



1. In combination, in a compressor controlling mechanism, compressor unloading means, power actuating means therefor for causing the same to load and to unload the compressor, and means for controlling the actuation of said unloading means by said actuating means comprising a Bourdon tube subject to compressor discharge pressure.

22. In a compressor controlling mechanism, a pilot valve operative on movement to various positions to control the loading and unloading of the compressor and having a surface upon which compressor discharge pressure acts in one direction, an element adapted to move the same to one of said positions and deriving its actuating force from a source independent of the compressor discharge pressure, said valve moving against compressor discharge pressure during movement to said last mentioned position, and compressor discharge pressure controlled means controlling the movement of said valve by said element.

1,519,997. TOOL MOUNTING. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 8, 1920. Serial No. 394,319. 19 Claims. (Cl. 255-51.)



1. A tool mounting comprising a cradle member, longitudinally separated clamping means adapted to grip a tool carried thereby, and means whereby the distance between said clamping means may be varied.

THE OFFICIAL GAZETTE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF DECEMBER 23, 1924.....	797
INTERFERENCE NOTICES.....	797
ADVERSE DECISIONS IN INTERFERENCE.....	797
APPLICATIONS UNDER EXAMINATION.....	798
COMMISSIONER'S DECISIONS—	
Nalizer Baking Company v. Ward Bros. Co., Inc.....	799
The National Cash Register Company v. National Paper Products Company.....	799
Ex parte Winslow.....	800
The Caldwell Manufacturing Company v. The Glass Novelty Company.....	801
Ex parte Bedell.....	802
Ex parte Dalton.....	803
Kling v. Harling.....	805
Corn Products Refining Company v. Bragno & Mustari.....	806
DECISIONS OF THE U. S. COURTS—	
Panny Horizontal Show Jar Co. v. Arlor Co.....	807
Indiana Lamp Co. et al. v. Alvo Mfg. Co. et al.....	807
PATENT SUITS.....	810
ADJUDICATED PATENTS.....	811
TRADE-MARKS PUBLISHED (188 APPLICATIONS).....	835
TRADE-MARK REGISTRATIONS GRANTED.....	844
LABELS.....	845
PRINTS.....	847
REISSUES.....	847
DESIGNS.....	858
PATENTS GRANTED.....	858

Issue of December 23, 1924.

Trade-Marks.....	204—No. 193,165 to No. 193,368, inclusive.
Labels.....	43—No. 27,936 to No. 27,978, inclusive.
Prints.....	19—No. 7,623 to No. 7,641, inclusive.
Reissues.....	3—No. 15,971 to No. 15,973, inclusive.
Designs.....	61—No. 66,254 to No. 66,314, inclusive.
Patents.....	686—No. 1,519,998 to No. 1,520,683, inclusive.
Total.....	1016

Interference Notices.

U. S. PATENT OFFICE, Washington, Dec. 3, 1924.

The W. J. Barr Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Eureka Sales Company, 34 South Meridian Street, Indianapolis, Ind., for registration of a trade-mark and trade-mark registered November 6, 1906, No. 57,156, to The W. J. Barr Mfg. Co., 26 South Water Street, Cleveland, Ohio, and a notice of such declaration sent by registered mail to The W. J. Barr Mfg. Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The W. J. Barr Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Dec. 10, 1924.

Frederick G. Kuné, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Russell Richard Jourdan, 1420 Jackson Street, Dallas, Tex., for registration of a trade-mark and trade-mark registered February 10, 1903, No. 39,783, to Frederick G. Kuné, 709 Camp Street, New

Orleans, La., and a notice of such declaration sent by registered mail to said Frederick G. Kuné at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Frederick G. Kuné, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Dec. 10, 1924.

Electra-Pura Water Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Russell Richard Jourdan, 1420 Jackson Street, Dallas, Tex., for registration of a trade-mark and trade-mark registered December 23, 1902, No. 39,528, to Electra-Pura Water Co., 198 Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Electra-Pura Water Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Electra-Pura Water Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, Acting Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Design Pat. 58,554, J. H. Dodson, Chair, decided December 1, 1924, single claim.

Design Pat. 58,555, J. H. Dodson, Rocker, decided December 1, 1924, single claim.

Pat. 1,373,322, A. Freitas, Projectile, decided October 30, 1924, single claim.

Pat. 1,394,892, O. H. Goetz, Automobile bumper, decided November 8, 1924, claim 1.

Pat. 1,432,156, M. L. Cossitt, Manifold attachment for typewriters, decided November 4, 1924, claims 1, 5, and 6.

Pat. 1,432,678, De Haven and Schaaf, Combined typewriting and computing machine, decided November 4, 1924, claims 1 and 46.

Pat. 1,441,358, H. H. Lampert, Cowl ventilator, decided November 12, 1924, claims 1, 2, 3, and 4.

Pat. 1,444,914, Harvey and Bouton, Pressure-regulator system, decided December 4, 1924, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Pat. 1,485,120, J. F. Lincoln, Arc welding, decided November 18, 1924, claims 1 and 2.

Condition of Applications Under Examination at Close of Business December 12, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 54,344; Trade-Mark Division, 2,050. Oldest new case, Apr. 14, 1924; oldest amended, Apr. 17, 1924. The dates given are 1924.)	Divisions, Examiners, and Subjects of Inventions.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	July 14	July 19			907
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	June 14	July 2			691
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 27	Sept. 19			163
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	May 28	Aug. 6			762
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	June 6	June 9			934
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	June 4	June 7			1,073
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	July 11	July 17			1,403
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	July 24	Sept. 27			1,244
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 26	Oct. 22			580
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	June 23	Aug. 7			1,245
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Aug. 22	Aug. 21			827
380	12. PIERCE, P. P., Machine Elements.	July 9	July 18			876
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 3	May 16			1,065
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	July 11	Oct. 27			395
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	June 20	June 20			1,390
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	May 9	May 13			1,371
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 27	Sept. 10			692
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 17	Apr. 17			1,153
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 3	Sept. 20			806
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	June 13	June 23			1,105
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	July 2	Oct. 9			512
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	June 1	June 1			981
217	23. GROESBECK, W. D., Coin Handling; Records; Registers; Horology; Time-Controlling Mechanisms.	July 3	July 17			471
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	June 24	July 29			840
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Sept. 18	Sept. 22			696
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Apr. 22	June 14			781
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 15	July 25			945
225	28. BENSON, A. R., Internal-Combustion Engines.	June 19	July 15			1,038
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 16	May 31			1,142
218	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	June 20	Oct. 16			1,108
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Aug. 4	July 19			1,002
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	June 25	June 30			859
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Aug. 4	Aug. 11			1,025
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	July 26	July 23			643
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 23	Sept. 24			561
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	July 2	July 7			1,442
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	May 14	June 5			1,566
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Verming Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	June 25	June 18			1,077
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Aug. 1	Aug. 5			584
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 1	Aug. 7			1,913
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	May 24	July 18			580
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Apr. 14	May 7			1,459
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	May 1	June 3			1,123
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	May 17	July 1			1,066
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	June 19	June 20			789
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	June 4	June 4			944
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	June 21	June 24			1,475
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	May 2	May 2			1,827
330	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	June 20	July 1			898
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Apr. 19	May 10			1,678
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	May 27	May 26			2,238
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	July 29	Aug. 12			726
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 15	May 21			1,327
102	DESIGNS: C. O. MARKHAM (Acting).	Nov. 6	Nov. 4			438
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Nov. 12	Nov. 27			1,604
		Nov. 15	Dec. 1			446

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

NAFZIGER BAKING COMPANY v. WARD BROS. CO., INC.

Decided September 18, 1924.

TRADE-MARKS—CANCELLATION—APPLICATION UNDER ACT OF 1905 CHANGED TO ONE UNDER ACT OF 1920—FILING DATE OF.

Where registrant filed its application on July 31, 1919, under the act of 1905, petitioner began use of the mark in October, 1920, and registrant changed its application to one under the act of 1920 on February 12, 1921, and where petitioner for cancellation alleged that the date of the application of registrant must be deemed that on which its application was changed, and consequently registrant had not, on such date, exclusive use of the mark for one year preceding because of petitioner's use of the mark. *Held* that for the purpose of deciding the issues of this case registrant may be deemed to have filed on July 31, 1919.

APPEAL from Examiner of Interferences.

Messrs. Thorpe & Gerard for Nafziger Baking Co.

Messrs. Cushman, Bryant & Darby for Ward Bros. Co., Inc.

KINNAN, Acting Commissioner.

This case comes on for review, on petition of the Nafziger Baking Company, of the decision of the Examiner of Trade-Mark Interferences dismissing the petition of the above company for cancellation of the mark "Certified," registered under the act of March 19, 1920, by the Ward Brothers Company, Inc., such mark used upon bread and cake.

Registrant filed his application for registration on July 31, 1919, under the act of February 20, 1905; but thereafter, on February 12, 1921, upon a holding of the Examiner of Trade-Marks that the mark sought to be registered was descriptive, the registrant changed his application to one under the 1920 act. Registration was granted April 12, 1921, No. 141,303.

Cancellation is sought upon the ground that the mark is descriptive; but this ground is not sufficient since the act of 1920 does not preclude registration of a descriptive mark if such mark has been used as a trade-mark to indicate origin or ownership of goods and such use has been continued and exclusive for one year prior to application. *Postum Cereal Co. v. California Fig Nut Co.*, 313 O. G. 454; 1923 C. D. 43.

Petitioner has alleged that the date of application of the registrant must be deemed that on which his application was changed from one under the 1905 act to one under the 1920 act, and this being the true date of application the registrant had not on such date exclusive use of the mark for one year preceding, because petitioner began use of the mark in October, 1920.

Petitioner cites no authority, and I am aware of none, holding that the date, February 12, 1921,

when the registrant changed its application from the 1905 to 1920 act, must lose the benefit of its original filing date. It must be held, in consequence, that for the purpose of deciding the issues of this case registrant may be deemed to have filed application for registration on July 31, 1919, which was more than a year before petitioner alleges adoption and use of the mark. Evidence has been presented over objection of the registrant tending to show that the word "Certified" had been used by strangers to the record in a descriptive sense prior to the application for registration by the registrant. It is not seen that this violates the rule against seeking to show, in a proceeding of this kind, that third parties are entitled to the use of the mark as a trade-mark. It is believed that any person using the word in a descriptive sense prior to the application by registrant could not, under the common law or the trade-mark statute, be interfered with if such parties continued the same use they had formerly had.

Registrant has contended that this allegation on the part of petitioner that exclusive use for one year prior to application was not shown by the registrant is not set forth in the pleadings. There is some basis for such a view; but with the above-noted holding that the date of application of the registrant goes back of July 31, 1919, the point raised by registrant is of no consequence.

It is thought the action of the Examiner of Trade-Mark Interferences holding that registrant has established trade-mark use of the mark, even if it be held merely descriptive, is sound.

The decision of the Examiner of Trade-Mark Interferences dismissing the petition for cancellation is affirmed.

THE NATIONAL CASH REGISTER COMPANY v. NATIONAL PAPER PRODUCTS COMPANY.

Decided May 1, 1925.

1. TRADE-MARKS—OPPOSITION—DESCRIPTIVE QUALITIES.

Rolls of paper designed to be used in cash registers and ticket-issuing machines do not have the same descriptive properties as "serpentine," a narrow ribbon of paper of a flimsy particolored kind used on festive occasions largely for decorative use, and there would be no confusion or mistake in the mind of the public as to origin.

2. SAME—NAME OF CORPORATION—SECTION 5 (b) OF ACT OF 1905 APPLIED.

A mark consisting of the word "National" printed in a distinctive manner upon a diamond-shaped panel, surmounted by the representation of a dome simulating that of the National Capitol, is not merely the name of a corporation, although the word "National" constitutes a prominent portion of the name of the opposer corporation, and registration of the mark is not prohibited by section 5 (b) of the act of 1905.

APPEAL from Examiner of Interferences.

Application of National Paper Products Company, filed February 9, 1920, Serial No. 128,158; published November 1, 1921.

Affirmed by D. C. Court of Appeals Mar. 3, 1924: 322 O. G. 502.

Mr. Carl Beust and Mr. Henry E. Stauffer for The National Cash Register Company.

Mr. Chas. E. Townsend and Mr. Geo. C. Shoe-maker for National Paper Products Company.

KINNAN, First Assistant Commissioner:

The applicant, The National Paper Products Company, has appealed from the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of The National Cash Register Company to the registration by the applicant of the word "National" printed in distinctive manner upon a diamond-shaped panel, surmounted by the representation of a dome simulating that of the National Capitol. The applicant applies the mark to toilet paper, paper towels, paper-roll towels, and serpentine, Class 37, Paper and stationery. The term "serpentine" is explained as designating a narrow ribbon of paper of a flimsy particolored kind used on festive occasions largely for decorative use.

The opposer corporation is engaged in the manufacture of cash registers and ticket-issuing machines, and incidental to such machines it manufactures rolls of paper designed to be used in such machines. The opposer has shown that it was producing and selling its machines and rolls of paper prior to any date established by the applicant.

The Examiner of Trade-Mark Interferences did not consider the paper towels and toilet papers as conflicting with opposer's goods or as of a character as would likely create confusion in the mind of the purchaser as to the origin of the goods. Opposer has contended that the serpentine, the narrow roll of paper, is sufficiently similar to the wider rolls of paper sold by the opposer for use in its machine as to constitute goods of similar descriptive properties, and therefore opposer would be damaged by the registration.

The opposer does not contend that it has used the word "National" as a mark on its paper rolls. The exhibits submitted in evidence show the entire corporate name on the packages of such paper rolls. It is thought the Examiner of Trade-Mark Interferences was right in his finding that the opposer had not established the use of the mark "National" alone on any class of goods which could be confused with those put forward by the applicant.

[1] The use to which the opposer puts his rolls of paper is, so far as set forth in the proof, restricted to use in opposer's machines. It is believed this wide difference in the use of the goods and the distinct difference in the appearance of the particolored narrow ribbons and the opposer's wider strips are such as to preclude a holding that they constitute merchandise of the same descriptive properties or that there would be confusion or mistake in the mind of the public as to origin.

[2] The opposer has strenuously urged that the mark of the applicant can not be regarded as more than the word "National;" that the other features—the diamond panel and the representation of the dome of the Capitol at Washington—are so far subsidiary as to be disregarded. Based upon this view the opposer has alleged the applicant was not entitled to the registration of the word "National," since it constitutes a prominent portion of the corporate name of the opposer corporation. In support of this view the various holdings of the Court of Appeals of the District of Columbia interpreting this portion of section 5 (b) of the Trade-Mark Act of 1905 are cited. These decisions, and especially that in the American Steel Founders' case, preclude the registration of the word "National" in view of the prior property rights of the opposer corporation. However, it would appear the applicant is not seeking to register a mark which consists merely in the name of a corporation not written, printed, impressed, or woven in some particular or distinctive manner. It is thought the applicant's mark placed upon the diamond panel surmounted by the representation of the dome constitutes something more than that recited in the prohibitory clause of the statute and that the opposer would not be damaged by the registration of mark.

The decision of the Examiner of Trade-Mark Interferences sustaining the opposition is reversed.

EX PARTE WINSLOW.

Decided June 7, 1924.

EQUITABLE ESTOPPEL—LACHES—DELAY IN COPYING CLAIMS FROM A PATENT OR PRESENTING CLAIMS COVERING SUBJECT MATTER OF CLAIMS OF A PATENT—LAW INDEPENDENT OF WHETHER CLAIMS ARE PRESENTED IN DIVISIONAL OR ORIGINAL APPLICATION.

Where claims copied from or directed to the same subject matter as claims of a patent are presented for the first time more than two years after the grant of the patent and the particular subject matter of such claims has not been previously covered by the claims of the application, the construction of the law, as set forth by the Supreme Court, is independent of whether the claims were first presented in a divisional application, but applies to a condition where they were presented after such delay in the patent application. (*Chapman v. Wintroath*, 272 O. G. 913, and *Webster Electric Co. v. Splittorf Electric Co.*, 327 O. G. 219, considered.)

APPEAL from the Examiners in Chief.

Messrs. Broien, Boettcher & Diener for the applicant.

KINNAN, First Assistant Commissioner:

This case comes on for review, by appeal, of the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to appellant of certain claims, one of which is copied from a patent to Foster, issued September 4, 1917, on an application filed February 17, 1916, and the other being directed to the same subject matter.

The ground of rejection is that appellant, whose application was originally filed August 29, 1914, delayed more than two years, in fact nearly four

years, after the grant of the Foster patent before presenting these claims. Previous to the filing of the amendment containing these claims there had been no claims in appellant's application covering this particular subject matter. The holding of the United States Supreme Court in the case of *Chapman v. Wintroath*, 272 O. G. 913; 1920 C. D. 465, 252 U. S. 126, has been relied upon as supporting the rejection of these claims here under review.

This application was before me on a petition raising substantially the same question presented on this appeal, which petition was denied by me in the decision of June 21, 1922, 317 O. G. 3; 1923 C. D. 79. Appellant sets forth in support of his appeal, as he did in support of the petition, that the holding of the Court of Appeals of the District of Columbia in the case of *Browning v. Johnson*, 287 O. G. 785; 1921 C. D. 203; 50 App. D. C. 335, precludes such an interpretation of the *Chapman v. Wintroath* decision as justifies the denial of appellant's claims. In the decision upon the petition that court of appeals case was sought to be distinguished from appellant's case, and there appears to be no necessity for adding anything further to what was noted in that decision on the petition.

It is not thought the case of *Hobbs v. Beach*, 94 O. G. 2357; 1901 C. D. 311; 180 U. S. 397; *Railway Co. v. Sayles*, 16 O. G. 243; 1879 C. D. 349; 97 U. S. 554, or that of *United States v. Telephone Company*, 79 O. G. 1362; 1897 C. D. 442; 167 U. S. 224, is pertinent to the circumstances of the case at bar. The points involved in those adjudicated cases had nothing to do with the question of laches, whereby another party, in this case the patentee Foster, obtained vested rights. It is plain that had appellant presented these claims or others substantially like them directed to the same inventive subject matter in his application when it was first filed or before Foster obtained his patent the latter would, presumably, not have been granted his patent in the form in which it was issued. Appellant's laches gave Foster the claim.

For the reasons set forth more at length in the decision denying the petition it is not thought a mere ex parte assertion or attempted showing that Foster is not the original inventor justifies a proceeding seeking to deprive him of a claim of his patent. The patent has been issued, and its validity is properly left to the consideration of the courts.

Attention is invited to a recent holding of the Supreme Court of the United States in the case of *Webster Electric Co. v. Splittorf Electric Co.*, 327 O. G. 219, in which the holding in the *Chapman v. Wintroath* case is discussed, interpreted, and affirmed. Although in this Electric Company case the application in which the broad claims were made for the first time was a division of an earlier filed case, the construction of the law, as set forth by the Court, is independent of whether the claims were first presented in a divisional application, but applies clearly to a condition where

they were presented after such delay in the parent application. The language of the Court in the concluding paragraph of the decision is interesting and is as follows:

Our conclusion, therefore, is that in cases involving laches, equitable estoppel or intervening private or public rights, the two-year time limit prima facie applies to divisional applications and can only be avoided by proof of special circumstances justifying a longer delay. In other words, we follow in that respect the analogy furnished by the patent reissue cases.

In view of the foregoing it is not believed appellant's right to the appealed claims can be sustained.

The decision of the Examiners in Chief is affirmed.

THE CALDWELL MANUFACTURING COMPANY v. THE GLASS NOVELTY COMPANY.

Decided March 31, 1924.

1. TRADE-MARKS—TRADE-MARK USE—ADVERTISEMENTS. Trade-mark use is not shown by mere advertisements.

2. SAME—PLURALITY OF TRADE-MARKS ON A SINGLE ARTICLE. There may be more than one trade-mark on a single article.

3. SAME—TRADE-MARK USE—CIRCULARS OCCASIONALLY ASSOCIATED WITH THE GOODS AND CARRYING MARK. The mere use of a circular for advertising the goods, carrying a number of words, symbols, or pictures on the cover or within the circular, will not establish trade-mark use of what is in the circular, even though the circular is occasionally associated with the actual goods sold.

APPEAL from Examiner of Interferences.

Messrs. Finckel & Finckel for The Caldwell Manufacturing Company.

Messrs. Zabel & Mueller and Messrs. Milo B. Stevens & Co. for The Glass Novelty Company.

FENNING, Assistant Commissioner:

This is an appeal by The Caldwell Manufacturing Company from the action of the Examiner of Interferences dismissing a petition for cancellation of trade-mark registration No. 144,237 of The Glass Novelty Company for articles of furniture, including cribs and baby bassinets.

The registered mark consists of the representation of a flying stork carrying a baby placed on a disk carrying the words "Stork Line," the whole being placed on an elongated panel. "Line" is disclaimed aside from the mark shown.

The Caldwell Company has registered "Better-baby" as trade-mark for its crib or bassinet.

It appears The Caldwell Company has sold a large number of cribs bearing its trade-mark and that in some of the cribs as shipped from the factory it has placed an advertising circular or pamphlet, other copies of which have been distributed to its sales agents for general distribution to the public. The circular is of the usual puffing descriptive advertising type. Throughout the circular "Betterbaby Crib" is frequently used and regularly printed in capital letters. That legend of the same words appears at the top of each page of the cir-

cular sometimes associated with "Reg. U. S. Pat. Off." There is, however, on the cover of the circular a picture in a panel of a stork standing on one leg and carrying from its bill a baby.

The following from the testimony of the secretary and treasurer of The Caldwell Company indicates the condition:

X Q. 56. Your goods are known by the trade name "Betterbaby" and I presume that your orders for these goods are received under that name, are they not? A. Our goods are sold under the trade name Betterbaby, but we have been complimented by department stores on the selling value of our booklet.

X Q. 57. I believe you have also testified that the only way you have used the cut or representation of the stork in connection with your finished product was by placing a pamphlet in the crib or bassinet, is that correct? This pamphlet having therein the cut of the stork. A. Yes.

X Q. 60. Have you ever used the printed words "Trade Mark," adjacent to or in connection with your picture of the stork?

By Mr. Finkel: Objected to as immaterial. A. We have used the word Trade Mark in the same booklet as the cut of the stork is used on, and we have also used it adjacent to the stork in our magazine advertising.

X Q. 61. Is it not a fact, however, that in such use of the words "Trade Mark" you were referring to your registered trade mark on "Betterbaby"? A. Yes, sir.

X Q. 64. You may explain, if you will, just how, if at all, you used the stork as a trade mark on your goods.

By Mr. Finkel: Objected to as having already been answered in Q. 19.

A. I believe I have answered that before, but in using the stork in connection with our goods we laid the booklet on the top of the mattress, and as the Betterbaby crib is a folding screen crib when the ends were folded down to the mattress and likewise the sides on top of the ends, the booklet was held securely in an exposed place.

[1] It is well established that trade-mark use is not shown by mere advertisements. There is nothing to show or suggest that The Caldwell Company or anyone else believed that the picture of the stork was their trade-mark. There is no showing that it was associated with the goods in such a way as to indicate source or origin. The goods themselves were stamped with the "Betterbaby" mark, and the company continuously claimed that as its trade-mark.

[2, 3] It is true there may be more than one trade-mark on a single article; but the mere use of a circular for advertising the goods carrying a number of words; symbols, or pictures on the cover or within the circular will not establish trade-mark use of what is in the circular, even though the circular is occasionally associated with the actual goods sold. No case is cited by either party having facts so nearly similar to those of the present case as to control this decision.

The petition for cancellation is dismissed, and the decision of the Examiner of Interferences is affirmed.

—EX PARTE BEDELL.

Decided April 19, 1924.

1. REISSUE—BROADENED CLAIMS—ELEMENT OF PATENT CLAIMS OMITTED.

Where a court has found that not merely the claims but the specification of the original patent point out an element as a part of applicant's invention, *Held* that the omission of such element from a claim of an application for the reissue of the patent directs that claim toward an invention other than the invention of the original patent.

2. SAME—SAME INVENTION—CLAIMS RESTATED AND MADE MORE DEFINITE.

Where a patentee filed an application for reissue 11 years after the grant of his patent, but promptly after a decision by the court in a suit brought on the patent, and the court interpreted claims of the patent to substantially the breadth of the reissue application, *Held* that if the patentee wished to thus restate and make more definite his claims by reissue he should be allowed to do so.

Note.—This application has resulted in Reissue Patent No. 15,858.

APPEAL from Examiners in Chief.

Mr. Wallace R. Lane and Messrs. Sturtevant & Mason for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiners in Chief affirming the Primary Examiner rejecting claims 11, 12, and 13, of which the following will serve as examples:

11. In a furnace charging apparatus, a loading table adjacent to and adjustable across the charging mouth of a heating furnace, said table being adapted to support magnetizable material to be charged into the furnace, a charging wheel in operative relation to and having surface travel toward the furnace, means for causing said magnetizable material to contact with the charging wheel, means for rapidly rotating the wheel, an electrically energized magnet comprising spaced pole members and so disposed as to cause magnetic flux from one pole to the other of the magnet to pass into the magnetizable material for drawing the magnetizable material into frictional gripping contact with the wheel, whereby the wheel is caused to seize and project said material into the furnace with a powerful thrust, and means for energizing said magnet.

12. In a furnace charging apparatus, a loading table adjacent to and adjustable across the charging mouth of a heating furnace, said table being adapted to support magnetizable material to be charged into the furnace, a charging wheel adjacent to the table, means for rapidly rotating the charging wheel and causing it to have surface travel toward the furnace, a magnet having a coil for causing magnetic flux to pass through the periphery of the wheel to the magnetizable material is drawn into intense frictional contact with the wheel and carried forward and projected with a powerful thrust into the furnace.

No prior art is cited.

This is an application for the reissue of Patent No. 1,012,235, issued to Bedell in December, 1911. The file wrapper of that patent indicates that no prior patents were cited, but the case was passed to issue as filed.

On April 15, 1921, the circuit court of appeals for the sixth circuit handed down an opinion in *Republic Iron & Steel Co. v. Youngstown Sheet & Tube Co.*, 272 Fed. 386. In that case the Youngstown Co., owner of patents to Coey, No. 1,019,759, March 12, 1912, and No. 1,130,708, March 9, 1915, had sued the Republic Co. for infringement of those patents. The Taylor-Wilson Co., manufacturer of the device used by the Republic Co., filed a cross suit against the Youngstown Co., alleging infringement of the Bedell patent, No. 1,012,235, which applicant now proposes to reissue.

The circuit court of appeals for the sixth circuit has pointed out that Bedell was the originator of the broad invention here involved. The device is a rotating magnetized roller which attracts and propels skelp into an open-hearth furnace. The structure actually involved in that suit, and as made by both parties, consisted of such a roller placed with its upper surface about level with the

bottom of the trough, into which skelp was pushed by hand from above, so that it could be attracted by the magnetic roller and thrust forward into the furnace. The claims of the Coey patent, No. 1,019,759, more or less specifically described this construction. Bedell in his patent shows and describes a device in which the revolving magnetic roller is mounted above a pile of skelp on a table. A magnetized lever, manually operated, lifts skelp from the pile into a position to be attracted by the magnetized roller, which propels the skelp into the furnace. The claims of the Bedell patent in terms call for a magnetic wheel or roller supported above the table and means for elevating metal from the table into contact with the wheel. The court held the Coey patent invalid, saying:

There is no effort by Coey to carry his invention back of Bedell—indeed, it seems probable that the invention was communicated to him by Bedell.

The court found the Bedell patent valid but not infringed, on the sole ground that—

The only variation arises as to the element "plate elevating mechanism," but there is striking mechanical and operating difference, and the limitation implied by the call for "elevating mechanism" must lead to the conclusion of non infringement.

In determining the breadth of equivalency which Bedell should have, he is entitled to such benefit as comes from observing that the great merit of his invention lay in the magnetic charging wheel, and that it has turned out to be relatively unimportant how the skelp strip is brought to the wheel, and he is entitled, also, to such liberality of construction as comes from the fact that the invention has proved important and has gone into general use.

We do not place dependence upon the fact that the skelp comes from the carrying table down to the upper side of the wheel, instead of coming up to the lower side of the wheel; that is a mere reversal of parts or position, which well might not void equivalency.

The court proceeded, however, to point out clearly that one element necessarily involved in the Bedell invention and the claims was a means for bringing the skelp into contact with the roller. The court found that where the skelp was so brought into contact with the roller by hand the Bedell invention was absent, but—

The Bedell specification leaves no doubt that it was part of his plan to avoid any manual handling of the skelp after it had been placed on the working table. . . . but, if the specified element in the claim were merely "plate-feeding mechanism," we would be forced to conclude that the element was wholly absent from the defendant's device. In view of Bedell's unquestioned priority and the merit of his invention, it now seems unfortunate that he voluntarily and unnecessarily limited it to a mechanical feed; but the effect of this limitation cannot be escaped.

[1] Claims 11 and 13 are not limited to the location of the roller above the table; but by interpretation the court has eliminated this specific location of the roller from the claims of his original patent. Therefore this makes no change in the invention, nor does it broaden the claims. These claims also include means for causing said magnetizable material to contact with the wheel, and the court of appeals has said that it could interpret the claims of the patent to call for just that. This element, therefore, while possibly broadened in terms, is not broadened in fact. Claim 12, however, eliminates or omits the element which brings the skelp into contact with the roller. The court of appeals has found that not merely the claims but the specification point out that element as a part of applicant's invention. The omission of that

element from claim 12 therefore directs claim 12 toward an invention other than the invention of the original patent. *Huber v. Nelson Manufacturing Company*, 148 U. S. 270; 63 O. G. 311; 1893 C. D. 277, establishes that such a claim cannot be sustained in a reissue.

[2] The Coey patent, No. 1,019,759, was issued March 12, 1912. After the decision of the court of appeals for the sixth circuit above referred to on April 15, 1921, Coey applied for a reissue, which was granted him on August 9, 1921, No. 15,175. That reissue is narrower than his original patent, but his delay of about 10 years in applying for reissue has been accounted for only by the suit in the sixth circuit court of appeals. Promptly after the decision in that case, Bedell filed the present application for reissue. He was justified in assuming that his claims would be given a broad interpretation, and in fact, as I have pointed out above, the court has interpreted his claims to substantially the breadth of claims 11 and 13 here applied for. If he wishes to restate and make more definite his claims, he should be allowed to do so. Before reaching this conclusion I have carefully examined the cases cited by the tribunals below, as well as those cited in the brief and others. To elaborately construe the many holdings of the courts involving reissue patents would take more time than is available and would probably answer no useful purpose.

The Examiners in Chief are affirmed as to claim 12, but reversed as to claims 11 and 13.

EX PARTE DALTON.

Decided May 8, 1924.

1. DESIGNS—SMALL CHANGE IN DETAILS.

Where the device of the application is so similar to that of a prior patent that a careful examination of the drawings is necessary in order to find the differences and where the differences will not materially increase sales or add to the aesthetic joy of the world, *Held* that the change is not sufficient to warrant granting a design patent.

2. APPEAL TO EXAMINERS IN CHIEF—PRACTICE WHERE COMMISSIONER HAS ORDERED WITHDRAWAL FROM ISSUE FOR UNPATENTABILITY.

Where the Commissioner ordered a design application withdrawn from issue on the ground that the design was not patentable within the terms of the statute, giving his reasons therefor, and the case was appealed to the Examiners in Chief after a long argument before the Primary Examiner, followed by a final rejection, *Held* that the Examiners in Chief were right in not dismissing the appeal.

3. SAME—SAME.

Under the foregoing circumstances the Examiners in Chief should have considered the matter on its merits to the extent of determining whether the arguments and papers offered by the applicant after the withdrawal from issue were sufficient to show a state of facts different from that upon which was based the action of the Commissioner withdrawing the case from issue. If in view of the new state of facts they found the case patentable, they should have so stated.

4. DESIGNS—DESIGN PATENTS—MECHANICAL SUBJECT MATTER.

A design patent can not be granted as a subterfuge to cover matter which should properly be covered, if at all, by mechanical patent.

5. SAME—SAME—STRUCTURES PURELY UTILITARIAN.

There are many structures which are so purely and entirely utilitarian that their ornamentation is a matter of such inconsiderable importance that design patents can not properly be granted for them.

APPEAL from Examiners in Chief.

Mr. C. P. Goeppel for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiners in Chief affirming the Primary Examiner refusing a design patent for a frame for a combination lathe, drilling and milling machine.

Applicant has a Design Patent No. 58,461, dated July 26, 1921, for a similar structure. The device of the patent is so similar to that of the present application that a careful examination of the drawings is necessary in order to find the differences. Applicant in his brief does not endeavor to point out the differences. He contents himself with saying that—

the later design, the subject matter of the application at bar, is more evenly balanced and possesses greater aesthetic value by virtue of the numerous modifications in the surface definitions as well as the general contour of the frame.

A careful examination of the two drawings shows that applicant has changed the top of the head by inserting a curve, and a curve has also been placed at the bottom of the bed of the machine. These are very slight details, and I am unable to believe that they enhance the aesthetic beauty of the device to a sufficient extent to warrant granting a patent.

Very few cases involving design patents have reached the Supreme Court of the United States. Apparently no case has been there since 1893. It is generally admitted, however, that the holdings of the Supreme Court in 1871 in *Gorham Company v. White*, 81 U. S. 511, are applicable to activities under the present design patent statute, although it has been considerably amended since the *Gorham* case was decided. In that case the Supreme Court says that design patents contemplate not so much utility as appearance, and they are plainly intended to give encouragement to the decorative arts.

• • • And the thing invented or produced, for which a patent is given, is that which gives a peculiar or distinctive appearance to the manufacture, or article to which it may be applied, or to which it gives form. The law manifestly contemplates that giving certain new and original appearances to a manufactured article may enhance its salable value, may enlarge the demand for it, and may be a meritorious service to the public. • • • We do not say that in determining whether two designs are substantially the same, differences in the lines, the configuration, or the modes by which the aspects they exhibit are not to be considered; but we think the controlling consideration is the resultant effect.

The Court quotes with approval the English case of *McCrea v. Holdsworth*, 6 Chancery Appeal Cases, Law Reports, 418, that—

If the designs are used in exactly the same manner, and have the same effect, or nearly the same effect, then, of course, the shifting, or turning round of a star, as in this particular case, can not be allowed to protect the defendants from the consequences of the piracy.

Another case in the Supreme Court is thus referred to in *Majestic Electric Development Co. v.*

Westinghouse Electric & Mfg. Co., 276 Fed. Rep. 676, in the ninth circuit, circuit court of appeals:

As is said by the Supreme Court in *Smith v. Whitman Saddle Company*, 148 U. S. 674, 679; 63 O. G. 912; 1893 C. D. 324. • • • adopting the language of Mr. Justice Brown, while District Judge, in *Northrup v. Adams*, 12 O. G. 430; 1877 C. D. 322, and 2 Ban. & A. 567, 568, Fed. Cas. 10,328:

To entitle a party to the benefit of the act, in either case, there must be originality, and the exercise of the inventive faculty. In the one, there must be novelty and utility; in the other, originality and beauty. Mere mechanical skill is insufficient. There must be something akin to genius—an effort of the brain as well as the hand.

The device of the present application and that of the patent are so nearly alike that I am unable to believe that the change required that impalpable something known as invention, nor am I able to believe that the slight change will materially increase sales or materially add to the aesthetic joy of the world.

No case involving the patentability of a design patent has been considered by the Court of Appeals of the District of Columbia for the last 10 years. A very helpful case, however, is that of *In re Freeman*, 23 App. D. C. 226; 109 O. G. 1339; 1904 C. D. 619. In that case the court said:

A minute cog-wheel, almost indistinguishable by the naked eye, might make a vast difference in the operativeness of a mechanical device, while details of that nature could not possibly make any appreciable difference between devices for designs. As has been well stated by the present Commissioner of Patents in another case, the novelty of a design device must be tested by the test of ornament. Now, while the final merit of ornamentation may depend upon the harmonious blending of numerous small details, and all such details are important in the production of the harmonious whole, yet it is very evident that, in such matters, differing therein from mechanical contrivances, the change or omission or addition of a few minor details would not justify the multiplication of design patents, even though one design might readily be distinguished from another by some one or more features.

• • • They differ slightly in appearance; but they do not differ substantially; and we are very firmly of opinion that substantial difference is required to render two several devices patentable as designs. As we have already intimated, the difference between patentable novelties in mechanical matters and patentable novelties in matters of design, results from the different nature of the two things. Detail is of little consequence in the latter; it may be all important in the former.

[1] Certainly the change in small details applicant has made over the patent is not sufficient to warrant granting a design patent to him.

Other cases in the court of appeals which indicate the position this office should take, are: *In re Schraubstadter*, 26 App. D. C. 331; 120 O. G. 1167; 1906 C. D. 541; *In re Sherman*, 35 App. D. C. 100; 154 O. G. 839; 1910 C. D. 382; *In re Madden*, 38 App. D. C. 94; 175 O. G. 1099; 1912 C. D. 444; *In re Mygatt*, 39 App. D. C. 432; 188 O. G. 1055; 1913 C. D. 330.

The particular device which is the subject of the present application is for use in a machine shop. Probably when the operating parts of the machine are applied to the frame its appearance will be so materially changed that the form of the frame as such will be lost.

The following cases in the Federal courts indicate that we should refuse a patent on the present application: *Rose Mfg. Co. v. Whitehouse Mfg. Co.*, 201 Fed. Rep. 926; *Smith & Co. v. Peck et al. Co.*, 202 Fed. Rep. 415; 277 O. G. 981; 1920 C. D. 373.

This case was passed to issue in January, 1922. The Assistant Commissioner ordered it withdrawn from issue in February, 1922, on the ground that the design was not patentable within the terms of the statute, saying:

The design lacks the appeal to the aesthetic sense essential to support a design patent. Its production did not involve an exercise of the inventive faculty with respect to its design. Its form seems to be for a structural function.

Applicant replied to this in a long argument, and the case was then finally rejected by the Primary Examiner, and applicant appealed to the Examiners in Chief, which tribunal stated:

In view of the prior ruling by the Commissioner, acting under his supervisory authority we are not certain that the appeal should not be dismissed by us for lack of jurisdiction. In any event, we feel bound by his decision, but inasmuch as the case has been finally rejected by the Examiner and an appeal has been taken to us, we will affirm the rejection pro forma, leaving applicant his remedy of appeal to the Commissioner.

[2, 3] The Examiners in Chief were right in not dismissing the appeal. They should have considered the matter on its merits to the extent of determining whether the arguments and papers offered by applicant after the withdrawal from issue were sufficient to show a state of facts different from that upon which was based the action of the Commissioner withdrawing the case from issue. If in view of the new state of facts they found the case patentable, they should have so stated. The case has here been considered on its merits.

[4] Since the applicant directly raises the issue on this appeal, we are constrained to hold that there is considerable doubt whether the particular device illustrated in the drawing is formed for any purpose other than that of use. A design patent can not be granted as a subterfuge to cover matter which should properly be covered, if at all, by a mechanical patent. *Ford Messmer Mfg. Co. v. Peck & Co. et al.*, 251 Fed. Rep. 894; *Baker et al. v. Hughes-Evans Co. et al.*, 270 Fed. Rep. 97.

[5] There are many structures which are so purely and entirely utilitarian that their ornamentation is a matter of such inconsiderable importance that design patents can not properly be granted for them. Possibly a frame for a combination lathe, drilling and milling machine is such a device. *North British Rubber Co., Limited, v. Racine Rubber Tire Co.*, 271 Fed. Rep. 936.

The decision of the Examiners in Chief is affirmed.

KLING F. HARING.

Decided May 22, 1924.

1. EXTENSION OF TIME FOR FILING APPLICATIONS—FOREIGN APPLICATION—NOLAN ACT OF MARCH 3, 1921.

Where H. filed his application for a German patent on September 10, 1914, held that the Act of March 3, 1921, taken together with section 4887, Revised Statutes, gives his United States application of August 26, 1921, for the same invention, the same force and effect as if it had been filed in the United States Patent Office on September 10, 1914.

2. SAME—SAME—SAME—NOT NECESSARY THAT FOREIGN PATENT BE GRANTED OR KEPT ALIVE IF GRANTED.

As far as the statutes are concerned it is not necessary that a foreign patent ever be granted, nor is it necessary that if a patent is granted it be kept alive.

3. SAME—SAME—SAME—ABANDONMENT OF INVENTION IN FOREIGN COUNTRY.

H.'s abandonment of his invention in Germany by allowing his patent there to lapse by failure to pay a fee can have no effect in the United States Patent Office. Abandonment to be effective must be an abandonment in the United States.

APPEAL from Examiners in Chief.

Mr. W. C. Carman and Mr. D. P. Wollhaupter for Kling.

Messrs. Wilkinson, Huxley, Byron & Knight for Haring.

FENNING, Assistant Commissioner:

Kling appeals from the action of the Examiners in Chief affirming the Examiner of Interferences awarding priority to Haring.

Kling has a patent, No. 1,215,385, granted February 13, 1917, on an application filed December 11, 1915. Haring filed his application in the United States August 26, 1921. His oath referred to German patent, No. 295,388, issued on an application filed September 10, 1914. Neither party has taken any testimony.

Haring was given the benefit of the date of filing of his German application under the provisions of the act of March 3, 1921. In response to an order to show cause Kling produced a certificate from the German patent office showing that the German patent which Haring relies upon in his United States application oath became abandoned in the year 1919 for failure to pay the fourth annual tax. It appears, therefore, that the German patent of Haring ceased to exist nearly two full years before the filing of his United States application.

The Act of March 3, 1921, provides—that the rights of priority provided by section 4887 of the Revised Statutes, for the filing of applications for patent for inventions and designs, which rights had not expired on the 1st day of August, 1914, or which rights have arisen since the 1st day of August, 1914, shall be, and the same are hereby, extended until the expiration of a period of six months from the passage of this act in favor of citizens—of various countries.

This Office has held that Germany comes within the provisions of the act (order No. 2703; 291 O. G. 677), and consequently it would seem that Haring is entitled to the benefit of that act. Section 4887 of the Revised Statutes, in effect, provides that an application filed in this country within 12 months of the filing of a foreign application shall have the same force and effect as if filed on the date on which the foreign application was filed.

[1] When Haring filed his application for a German patent on September 10, 1914, there arose to him the right to apply for a United States patent within 12 months of that date. This is the right referred to in the act of March 3, 1921. By the terms of that act Haring is given the privilege of availing himself of that right any time up to the 3d of September, 1921. Haring availed himself of that right by filing a United States application on August 26, 1921. The act of March 3, 1921, taken together with section 4887 of the Revised Statutes, gives the Haring application of August 26, 1921, the same force and effect as if it had been filed in the United States Patent Office on September 10,

1914. Haring therefore is entitled to September 10, 1914, as a reduction to practice. This date is prior to any date alleged for Kling, and therefore priority must be awarded to Haring.

Kling agrees with the reasoning which supports these conclusions generally; but he urges that the reasoning can not apply in the present case, for the reason that Haring had forfeited his German patent, and that his German patent had become abandoned prior to his availing himself of his right to file in the United States.

[2] I am unable to find anything in the statutes which will support this contention. As far as the statutes are concerned it is not necessary that a foreign patent ever be granted, nor is it necessary that if a patent is granted it be kept alive. The statutes relate to and base priority on the filing of an application, and Haring did that. To be sure a patent may not be granted for an invention which has become abandoned. Kling urges that Haring by abandoning his German patent has abandoned his invention.

In *National Co. v. Whitman*, 1910 C. D. 405; 156 O. G. 1068; 35 App. D. C. 420, the Court of Appeals of the District of Columbia gave to a foreigner the benefit of a foreign application under section 4887, although the foreign application had become abandoned prior to the time of the decision. It does not appear that the United States application was filed after the foreign application became abandoned, as in the present case; but the time of abandonment is not important, as the statute relates to the application.

Haring might have never applied for a patent in Germany. If he had put his invention into public use, then he would have abandoned his invention to the public there, so that he could not have obtained a patent there. Nevertheless he might have obtained a valid patent here in the absence of a description in a printed publication (sections 4886 and 4923 of the Revised Statutes).

[3] His abandoning his invention in Germany by allowing his patent there to lapse by failure to pay a fee can have no more effect in the United States Patent Office than his abandonment of his right to a patent in Germany by public use there. As the Examiners in Chief say, abandonment to be effective must be an abandonment in the United States, and no abandonment in Germany can take away Haring's right to the United States patent.

I am unable, therefore, to find anything to take Haring out of the class to which relief was given by the act of March 3, 1921.

Kling has cited and vigorously called to our attention a number of decisions of the courts passing upon section 4887 of the Revised Statutes, including *Huber v. Nelson Manufacturing Company*, 148 U. S. 270; 63 O. G. 311; 1893 C. D. 277. I have carefully considered that and the other cases cited. They relate to patents issued prior to the amendment of section 4887 of the Revised Statutes on March 3, 1897, and March 3, 1903. Of

course when the duration of a United States patent was limited to the duration of a foreign patent the fact that the foreign patent had terminated before issuance of a United States patent was pertinent. It is no longer pertinent. Nor are the decisions made prior to the amendment of section 4887 at variance with the conclusion I have reached.

The Examiners in Chief are affirmed.

CORN PRODUCTS REFINING COMPANY v. BRAGNO & MUSTARI.

Decided October 21, 1924.

TRADE-MARK—OPPOSITION—EFFECT OF PRELIMINARY INJUNCTION IN AN EQUITY SUIT BETWEEN SAME PARTIES RESTRAINING APPLICANTS FROM USING MARK HERE IN ISSUE.

Where, subsequent to the decision of the Examiner of Interferences, an order for a preliminary injunction restraining the applicants from using the trade-mark here in issue was issued in an equity suit between the parties to the present opposition, *Held* that it would be inappropriate to render judgment in the opposition proceedings, and *Held also* that the opposition must be sustained unless the injunction is raised. Proceedings suspended.

APPEAL from Examiner of Interferences.

Messrs. Gregory & Todd for Corn Products Refining Company.

Messrs. Mida & Wallace for Bragno & Mustari.
FENNING, Assistant Commissioner:

Bragno & Mustari appeal from the action of the Examiner of Interferences sustaining an opposition brought by the Corn Products Refining Company against their application to register as a trade-mark for corn oil for salads and cooking purposes an alleged composite mark including the word "Granola" on a diamond figure, below which is a dark circle, both of which are superposed upon upright lines.

Opposer has two trade-marks registered, one, No. 83,639, dated Oct. 3, 1911, consisting of the word "Mazola," and another, No. 171,176, dated July 31, 1923, consisting of the word "Mazola" included in a figure resembling a grain of corn with which is associated a partially-open ear of corn bearing the husk on which is the head of a woman, all being on a background including upright lines. There is no contention but that the goods are the same and opposer has priority of use. Under these circumstances we might be inclined to resolve any doubt in our mind against the newcomer according to the doctrine set out in *William Walke & Company v. Geo. H. Schafer & Company*, 273 O. G. 630; 49 App. D. C. 254; 263 Fed. 650; 1920 C. D. 167.

There have been submitted here orders of the United States District Court for the Northern District of Illinois, E. D., in Equity suit 3,903, between the parties to the present opposition, from which it appears that subsequent to the decision of the Examiner of Interferences there was issued an order for a preliminary injunction restraining the defendants, who are the applicants here, from using the mark here in issue. After the order for injunction a motion to release the word "Granola"

separate and apart from the ensemble of the mark was denied. It is clear, therefore, that in view of the order in the United States court applicants are now prohibited from using their mark. To be sure, that is an interlocutory order, and the state of affairs may be changed at final hearing. Nevertheless it would be inappropriate for us to waive the same and proceed to render judgment in the present opposition proceedings. The opposition must be sustained unless the injunction in the United States Court is raised.

It is ordered, therefore, that proceedings in the present case be suspended until May 1, 1925, at which time the decision of the Examiner of Interferences will be affirmed unless reason to the contrary is shown prior to that time.

U. S. Circuit Court of Appeals—Seventh Circuit.

PANAY HORIZONTAL SHOW JAR CO. v. ARIDOR CO.

Decided June 9, 1923; rehearing denied September 18, 1923.

[292 Fed. Rep. 858.]

1. INVENTION—DISPLAY JAR WITH LEGS.

Elevating the front open end of a horizontal jar by affixing a metallic member with integral legs is not invention.

2. INFRINGEMENT—UNFAIR NOTICES.

A court cannot permit or sanction the use of the court's name in advance of adjudication (or falsely after adjudication) to harass or obstruct a rival.

APPEAL from the District Court of the United States for the Eastern Division of the Northern District of Illinois.

Suit by the Panay Horizontal Show Jar Company against the Aridor Company. From a decree for defendant, plaintiff appeals. Affirmed.

Mr. Richard B. Cavanagh for the appellant.

Mr. Laurence A. Janney for the appellee.

Before BAKER, EVANS, and PAGE, Circuit Judges.

EVANS, *Cir. J.*:

The patent in suit, No. 1,228,473, issued June 5, 1917, covers a transparent show jar for displaying candles. It is one of several issued to the same patentee, Karl Panay. The claim in question reads:

2. In a device of the described class, the combination, with a metallic member affixed to the front open end of a horizontal jar, of a pair of vertical legs formed integral with said metallic member and adapted to support the front end of said jar upon a higher plane than the rear end.

[1] Were there no prior art disclosed, it would be extremely difficult to sustain a patent such as is represented by this claim. But all doubt is removed when we examine two patents, No. 722,745, covering "a show case for confections," and No. 796,752, covering "a transparent show jar," issued to the same patentee, the drawings of which disclosed horizontal glass jars of the type described in this patent, and differing only in the absence of the "vertical legs adapted to support the front end of the jar upon a higher plane than the rear end." Such an elevation of the front end of the jar is

suggested, if not disclosed, by the drawings of these previous patents, and furthermore we have no hesitancy in finding that this advance did not spell invention.

It is also apparent that appellant has been guilty of improper and unfair practices, which would preclude it from recovering in this suit, even though the patent was sustained. It put out and extensively advertised what it called an "Infringement notice," under which, in large letters, was printed the word "warning." Although no court had sustained its patent, it announced that:

Our Panay jars and supports are fully protected by patents. We intend to protect our patent rights against all infringement. We have recently begun suit for infringement in the District Court of the United States, Northern District of Illinois, against the Aridor Company, an Illinois corporation. Jobbers and dealers are warned that they are equally liable with the manufacturer for damages sustained by us and for profits realized by them through the use of the infringing devices.

[2] There was pictured beneath this notice what was described as "the only and original Panay horizontal show jar." It was not an embodiment of the patent, and the notice as well as the drawing could have served no other purpose than to intimidate competitors and frighten jobbers and users by the publication of assertions which were false in part and misleading as to the remainder. The practice of trying suits in newspapers or circulars, in order to scare or daunt competitors, is pernicious and apparently growing. While courts are always open to protect patentees or manufacturers who have established a business which is being unfairly assailed, they can not permit or sanction the use of the court's name, in advance of adjudication (or falsely after adjudication), to harass or obstruct a rival. A patentee who resorts to such practices comes into court with unclean hands, and on that ground alone will be denied the relief to which he otherwise might be entitled.

The decree is affirmed.

U. S. Circuit Court of Appeals—Sixth Circuit.

INDIANA LAMP CO. ET AL. v. ALVO MFG. CO. ET AL.

Decided February 9, 1924.

[296 Fed. Rep. 623.]

1. AGGREGATION OF ELEMENTS—PARTS MOUNTED ON SAME FRAME—RELATIVE ADJUSTABILITY.

Where there is nothing in common about two light-reflector units except that they are both mounted in the same carrying frame, *Held* that such mounting does not give patentability, nor does the adjustability of each part, in itself or with reference to the other.

2. COMBINATION—NEW AND USEFUL RESULT.

Where two reflectors are mounted for simultaneous or contingently alternate use, each serving its full purpose as a reflector, but one of them also serving as a screen or equivalent cut-off, modifying the normal action of the other reflector, and by this combination producing a new and useful lighting result, *Held* that claims covering this feature are valid.

APPEAL from the District Court of the United States for the Eastern Division of the Northern District of Ohio; D. C. Westenhaver, judge.

Suit in equity by the Indiana Lamp Company and James R. Pagin against the Alvo Manufacturing

Company and others. Decree for defendants, and complainants appeal. Affirmed in part, and reversed in part.

Mr. Ralph G. Lockwood (Mr. Virgil H. Lockwood on the brief) for the appellants.

Mr. A. J. Hudson (Messrs. Thurston, Kwois & Hudson) for the appellees.

Before KNAPPEN, DENISON, and DONAHUE, Circuit Judges.

DENISON, Cir. J.:

The Indiana Company and Pagin brought the usual infringement suit against the Alvo Company, alleging infringement of the Pagin patents, 1,156,624, October 12, 1915, for a duplex lighting system, and 1,194,658, issued August 15, 1916, for a combination automobile lamp. The court below held that the claims in suit of the earlier patent were invalid, as mere aggregations, and for want of invention, and that the later patent was not infringed.

[1] As to the first patent, we agree with the court below. Claim 2 illustrates both those sued upon. It is:

In duplicate lighting systems, a suitable casing, differential and separate sources of illumination, supports within said casing for the sources of illumination, separate reflectors for each source, and means for maintaining the parts in adjustable and operative relation to each other.

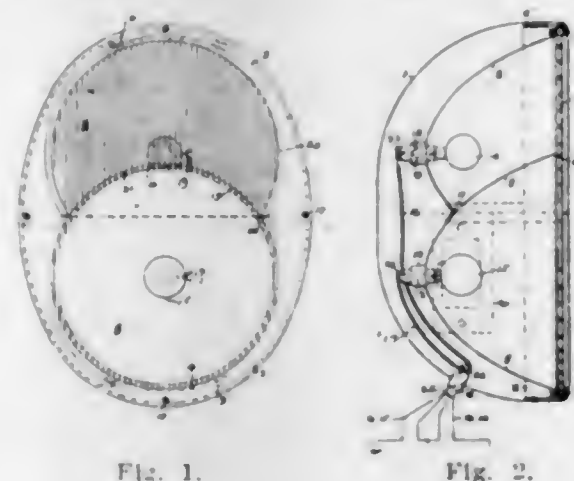
This claim clearly described a mere aggregation of parts, as defined in *Gas Co. v. United Co.* (C. C. A. 6), 228 Fed. 684; 143 C. C. A. 206. There is nothing in common about the two light-reflector units, except that they are both mounted in the same carrying frame. Such mounting does not give patentability, nor does the adjustability of each part in itself or with reference to the other. The claim would be infringed by two ordinary flash lights, of different size, mounted in an open-front carrying case, and with holding means for adjusting them relatively. The district judge accurately says:

When both units are lighted, they operate simultaneously, and will no doubt produce a more brilliant light; but the light then produced is the sum total of the light furnished by each. There is no modification of the function or the operation of either lighting unit by the presence of the other.

The second patent is intended (among other objects) to prevent that glare from an automobile headlight of the present common form which may dazzle and blind the driver of the meeting car or other person approaching from the front. It seems to be a fact, upon which all agree, that the direct rays of the electric bulb, passing out of the front of the headlight reflector, are not usually seriously dazzling, but that this effect mainly comes from the reflected rays. It also appears that, with the common form of parabolic reflector, if the bulb is (1) at the true focus, the rays will be thrown horizontally forward as a cylindrical beam of light; if the bulb is (2) in front of the focal point, the rays will be concentrated in a narrowing cone, extending forward from the headlight; while, if the bulb is (3) back of the focus, the reflected rays will at once take the form of an expanding cone. It is evident,

also, that in the second form named the rays which are reflected upward and forward from the bottom part of the reflector continue on upwardly after they meet those which are reflected down and forward from the upper part of the reflector. The dazzling effect upon an approaching eye is therefore produced by the rays reflected either from the upper or from the lower part of the reflector, according as the bulb and the lamp focus are respectively arranged. It naturally follows that an opaque screen, designed to cut off this upward glare, should be located above or below the horizontal center of the reflector, according to the focal position of the bulb, and that each arrangement is the full equivalent of the other.

Pagin's patented lamp is shown in longitudinal vertical cross sections by Figure 2 and in front view by Figure 1, herewith reproduced.



His plan was, focusing by plan (2), to use the lower reflector for ordinary driving, giving the full effect, including the objectionable upward glare, but when meeting another vehicle to shut off the lower reflector and use only the upper one, thereby getting sufficient reflection forward and downwardly, but little or none upwardly. It would not seem material whether the trouble-making reflection is prevented by screening it off after it starts, or by eliminating that part of the reflector from which it comes, so that it never can start—by obstruction or by prevention. Pagin adopted the latter of these alternative destructive methods. The central lower part of his upper reflector was cut away, and the lower reflector came up through it. Hence, in this form, the upward reflection into the eye of the approaching driver would not occur. Plainly, if the device were turned upside down, the other alternative method of destruction would come into play, and the troublesome reflected rays, starting upward, would be cut off by the projecting portion of the other (then upper) reflector.

The theoretical utility of this arrangement is very clear; the practical utility, when all parts are proportioned and assembled as they would be by any one intelligently applying the theory, is hardly disputed; and we find nothing in the prior art anticipating or showing that Pagin's step in advance was not a substantial invention. The novel thought was

that the two reflectors, mounted for simultaneous or contingently alternate use, should each serve its full purpose as a reflector, but one of them should also serve as a screen, or equivalent cut-off, modifying the normal action of the other reflector, and by this combination to obtain a new and useful lighting result, saving space otherwise required, and saving separate screen parts. This is stated as one of the objects of his invention, it is performed by this construction, and it is not particularly important that Pagin contemplated using some dimming means for ant glare purposes as well as, or in aid of, this construction.

The nearest two devices in the prior art (assuming them to be prior) are Kush, No. 1,148,101, and Mendor, No. 1,205,916. Kush showed two reflectors in combination, with one situated partly in front of the other; but this arrangement was not for the purpose which Pagin had, nor would it accomplish Pagin's result in any degree. If the Kush device were the later, and were sued as an infringement of Pagin, it would undoubtedly escape, upon the principle that a structure does not infringe merely because the language of the claims, in the broad meaning of the mere words, may cover it. The words must always be interpreted by the specification; that furnishes the "lexicon." Since, for this reason, it would not infringe, if later, it does not anticipate, if earlier.

Mendor has the two reflectors, alternately usable, but one does not partially overlap and screen the other; the screen (if any) is independent of the second reflector, and he had no problem of ascending reflected rays.

[2] Claims 1, 2, 3, and 4 are sued upon. We have grave doubt whether claim 3 can stand upon the disclosure, because the claim is very specifically confined to construction where a portion of one reflector is placed in front of a part of the other, so as to obstruct the ascending rays from the latter. This obstruction does not happen, in great degree, if at all, in the form shown. There is rather the prevention of such rays; and the broader view, including prevention and obstruction, but not calling for either, is covered by other claims. We think claims 1, 2, and 4 are valid; the validity of 3 becomes immaterial.

It appears that plaintiffs have never manufactured under this patent, or made affirmative commercial use of it. This situation tends to induce careful scrutiny of the patentee's claimed monopoly before it is sanctioned; but it cannot be a material element in determining whether the monopoly exists, save perhaps in a margin line case. The patentee has a right to take this course and derive his profits from any other forms which he thus guards against competition. *Paper Bag Case*, 210 U. S. 405, 422; 28 Sup. Ct. 748; 52 L. Ed. 1122; 136 O. G. 1297.

Coming to the subject of infringement: The defendant uses a device of which a front view is

indicated by Figure 1, and a side view by Figure 2, in his design patent [No. 55,243] herewith reproduced.

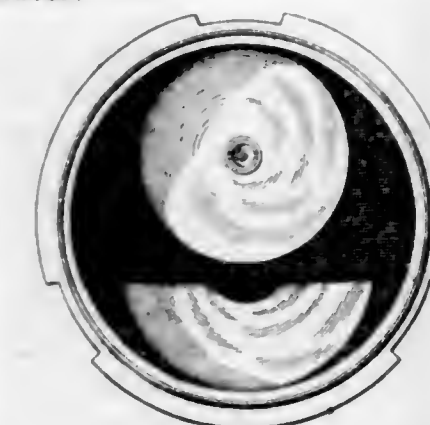


Fig. 1.



Fig. 2.

Claims 1 and 4 are given in the margin.¹ It is quite plain that Figure 2 of defendant's device shows substantially the same structure as Figure 2 of the patent would if turned upside down, and refocused to give diverging rays. If there is any material difference, it is shown by the front view. The black portion shown in Figure 1 indicates a metallic plate which closes the opening in the front of the reflector holder, excepting for the entire area of the front end of the upper reflector and the lower half of the front end of the lower reflector. It is defendant's contention that it is this plate which serves as a screen, in some forms cutting off the upwardly-reflected rays from the upper part of the lower reflector, and in some forms inoperative because these rays are prevented, and that, while the upper reflector is so positioned as to respond to the terms of the claim, it does not have the screening or preventing function characteristic of the reflector of the Pagin patent.

We can not agree with this contention. It seems necessarily to follow, from the principles of reflection involved, that the central, upwardly reflected rays from the lower reflector in the form shown in Fig. 2 (if focused for converging rays) will be cut off by the central lower portion of the upper reflector, and that those rays which would not be so cut off, and which, except for the plate, would escape around the diagonally lower parts of the upper reflector, will be only those directed further down and sidewise, and hence can not be seriously blinding directly in front. In another form, the upwardly-diverging rays from the upper part of the lower reflector are similarly screened. The reflectors shown in Figure 2 are probably much flatter than they would be in actual use. Samples of defendant's commercial structure and of one

¹ 1. In automobile lamps, a single casing, a lamp unit, comprising a pair of reflectors attached to each other, so that the curved portion of one partially stands in front of the other, a separate lamp for each reflector, means for holding the unit in the casing, means for independently focusing each lamp, and means for selectively supplying current to the lamps.

4. In an automobile headlight, a single casing, an illuminating unit comprising a pair of reflectors placed one above the other, so that the two axes are a less distance apart than the diameter of either reflector, the body of one being removed to form a clearance for the other, and means for supporting the same within the casing.

concededly built like the Pagin patent were exhibited and tested upon the argument. The decisive test is made by removing the metallic plate from the defendant's lamp and substituting other means to hold the two reflectors firmly in their respective positions. This plate being removed, defendant's lamp, as so modified, and the one made according to plaintiff's patent, throw upon the screen substantially the same light and shadow. When these two devices are put side by side and directed slightly downward, as automobile lamps are, each alike creates a blinding glare upon the eye of the observer some distance in front when the perfect reflector is used, and substantially no glare when the light comes from the broken or obstructed reflector. On the contrary, when defendant's upper reflector is removed, and the plate remains, the main part of the blinding reflected rays pass through the plate opening, and the glare exists, though less intense. Hence it is the upper reflector, not the plate, which effectively obstructs.

Such confusion as there has been in these actual tests perhaps comes from the fact that these structures were assembled and the parts relatively placed for use on automobiles where the casings are pointed slightly toward the ground, and that if they stand horizontally on a table, but the observer is not correspondingly elevated, his eye in both cases will be in the unscreened zone, but when defendant's metallic plate is replaced, and the obstruction thus extends a little further down, the protected area also becomes lower.

The centrally-depending tab on defendant's metallic plate serves chiefly to screen the direct rays from the bulb. Of course, it has screening effect also upon some of the ascending rays; but it is not needed to make defendant's device operate according to the law of plaintiff's patent. It only compensates for a little less overlapping.

Claims 1 and 4, we think, are infringed. Claim 2 contains a restriction as to the size of the obstructed area which raises doubt as to its infringement. The broader claims being valid and infringed, it is not necessary to decide as to claim 2.

The form of defendant's device shown by its Figure 2 is not the one it finally adopted, which is distinctly closer to Pagin. We do not overlook that, if in the use of Figure 2, the lower light is so focused as to give only diverging reflecting rays, it will create no upward glare, and the overlapping upper reflector will not screen off any such glare; but this construction brings the same result by prevention. The upward rays, which would come from that upper part of the normal reflector, which defendant made and then cut off, are not permitted to start. This is within the fair scope of equivalency. Those upwardly-diverging rays which arise in defendant's later form, and except for the plate would escape around the lower arc of the upper reflector edge, diverge sidewise too much and upwardly not enough to make serious glare directly ahead.

Our conclusions are that as to the first Pagin patent the decree below dismissing the bill should

be affirmed, and that as to the second Pagin patent the decree should be set aside and the case remanded, with instructions to enter the usual decree for injunction and accounting as to claims 1 and 4.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

951,074, J. Hren, Automatic paper feeder, suit filed Jan. 9, 1922, D. C., S. D. N. Y., Doc. E 23/17. *L. J. Frohn v. The Cleveland Folding Machine Co.* Suit ordered dismissed for want of equity (notice dated Nov. 11, 1924).

968,576, C. R. Libby, Pneumatic-dispatch-tube apparatus, suits filed Nov. 11, 1924, D. C., S. D. N. Y., Doc. E 30/259, *The Lamson Co. v. A. De Pinna Co.* Same, Doc. E 30/260, *The Lamson Co. v. National City Bank.* Same, Doc. E 30/261, *The Lamson Co. v. Oppenheim Collins & Co.* Same, Doc. E 30/262, *The Lamson Co. v. J. McCreery & Co.* Same, Doc. E 30/263, *The Lamson Co. v. R. H. Macy & Co., Inc.* Same, Doc. E 30/264, *The Lamson Co. v. Franklin-Simon & Co., Ltd.*

970,788, S. G. Buskard, Smoothing iron; 1,379,312, H. W. Peth, Method of pressing, suit ordered dismissed for lack of equity (notice dated Nov. 10, 1924), D. C., S. D. N. Y., Doc. E 23/140, *Peth Pressing Process, Inc., v. N. Rubenstein.*

971,418, F. D. Thomas, Stage effect, suit filed Mar. 11, 1922, D. C., S. D. N. Y., Doc. E 23/205, *G. Layton et al. v. A. Hammerstein et al.* Suit ordered dismissed for lack of equity (notice dated Nov. 11, 1924).

986,758, P. Richert, Taximeter or fare indicator; 1,033,056, same, Locking shutter for taximeter; 1,084,032, same, Taximeter, consent and decree pro confesso, sustaining patents, adjudging infringement, and granting injunction filed Nov. 12, 1924, D. C., S. D. N. Y., Doc. E 30/208, *Pittsburgh Taximeter Co. v. Karmalla & Unger (General Taxi Repair Co.).*

1,018,502, Just & Hanaman, Improvement in incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes; 1,423,956, Mitchell & White, Tipless incandescent lamp and similar article, suit filed Nov. 8, 1924, D. C., S. D. N. Y., Doc. E 30/248, *General Electric Co. v. C. R. L. Importing Co., Inc., et al.*

1,033,056. (See 986,758.)

1,082,933. (See 1,018,502.)

1,084,032. (See 986,758.)

1,379,312. (See 970,788.)

1,423,956. (See 1,018,502.)

ADJUDICATED PATENTS.

(C. C. A. Pa.) Nalsmith patent, No. 1,220,444, for improved water cooler in basic open-hearth furnace, *Held invalid and not infringed.* *Open Hearth Steel Furnace Co. v. Blaw-Knox Co.*, 1 F. (2d) 610.

(D. C. N. Y.) Ruud reissue patent, No. 15,136, for valve-closing device on automatic water heater, *Held valid and infringed.* *Ruud Mfg. Co. v. Fowler*, 1 F. (2d) 656.

(D. C. Mass.) Storek patent, No. 1,194,568, claims 10 and 11 *Held valid and infringed*, claim 3 *Held not infringed.* *Standard Envelope Sealer Mfg. Co. v. Graywood Mfg. Co.*, 1 F. (2d) 667.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 23, 1924.

[Vol. 329. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 154,358. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ENDLESS BELT CORPORATION, New York, N. Y., Filed Oct. 20, 1921.

EBCO

Particular description of goods.—Sheet Cork, Sheeted Straw, and Sheet Silk for Cigarette Tips.
Claims use since September, 1919.

Ser. No. 157,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. MOENCH, doing business as The Wheat Co., Logan, Utah. Filed Dec. 30, 1921.

W'EAT

Trade-mark consists of the word "Wheat."
Particular description of goods.—Wheat Flour, Bread, and Breakfast Cereal.
Claims use since Dec. 22, 1921.

Ser. No. 168,874. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SAMUEL R. DAWSON, Brooklyn, N. Y., Filed Aug. 30, 1922.

D-H-C

Particular description of goods.—Hardened Copper and Ingots and Castings Thereof.
Claims use since 1894.

Ser. No. 181,381. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE CLEVELAND WHEELBARROW & MANUFACTURING COMPANY, Garfield Heights, Cleveland, Ohio. Filed May 31, 1923.



The mark consists of a red circle containing a red star and the words "Red Star," and a monogram of the letters "C W M C" is displayed within the center of the circle and star. The word "Brand" also appears; but this word is disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Wheelbarrows, Wheeled Carts for Conveying Concrete.
Claims use since March, 1922.

Ser. No. 182,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRATELLI BERIO, Oneglia, Italy. Filed June 22, 1923.



The descriptive words "Olio Puro d'Olive Extra, Unici Produttori" and the geographical terms "Oneglia, Italy" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Olive Oil.
Claims use since 1916.

Ser. No. 185,949. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING CO., Paterson, N. J. Filed Sept. 26, 1923.



Particular description of goods.—Linen Thread.
Claims use since about September, 1864.

Ser. No. 186,420. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1923.

Di-noc

Particular description of goods.—Transfer Prints for Window Signs and for Other Advertising Displays.
Claims use since on or about Apr. 1, 1923.

Ser. No. 186,617. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Oct. 3, 1923.

ARTONA

Trade-mark consists of the word "Artona."
Particular description of goods.—Pile Fabrics in the Piece Made Wholly or in Part of Wool, Worsted, Mohair, Alpaca, Jute, Cotton, Silk, and Artificial Silk.
Claims use since July 30, 1923.

Ser. No. 186,848. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MASTER ELECTRIC COMPANY, Dayton, Ohio. Filed Oct. 11, 1923.

MASTER

Particular description of goods.—Electric Motors and Parts Thereof, Short Circuiters, and Centrifugally-Operated Electric Cut-Outs.
Claims use since June 23, 1920.

Ser. No. 186,913. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) THE KILGORE MFG. CO., Westerville, Ohio. Filed Oct. 12, 1923.

Kilgore

Trade-mark represents characteristics of the signature of J. D. Kilgore, a predecessor of applicant corporation.
Particular description of goods.—Ammunition, Particularly Paper Caps for Toy Pistols.
Claims use since July 1, 1912.

Ser. No. 187,240. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN OIL BURNER CORPORATION, New York, N. Y. Filed Oct. 20, 1923.

Sunshine

Particular description of goods.—Oil Burners.
Claims use since Apr. 26, 1923.

Ser. No. 187,444. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) VESUVIO AKTIENGESELLSCHAFT FÜR DEN BAU VON FEUERUNGSANLAGEN IN MÜNCHEN, Munich, Germany. Filed Oct. 24, 1923.

„Cascade“

Particular description of goods.—Furnace and Kiln Structures and Materials and Parts of the Same—Namely, Grates, Furnace Doors, Stoking Bars and Poles, Draft-Producing Fans, Pipings, Brick Channels; Steam-Generating Plants and Structures—Namely, Steam Boilers, Steam Superheaters, Preheaters, Blast Preheaters, and Parts of the Same, Fuel Conveyers, and Dust Collectors Operating by the Production of Draft in the Nature of Ventilating Systems, and Fly-Dust Collectors and Slag Collectors, Such Collectors Operating by Draft Action and in the Nature of Ventilating Systems, and Particularly Applied for Industrial Purposes.
Claims use since Dec. 21, 1920.

Ser. No. 187,686. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Oct. 30, 1923.

HELIOSHEEN

Particular description of goods.—Cotton Goods, Linen Goods, All in the Piece.
Claims use since Oct. 12, 1923.

Ser. No. 188,810. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

HAWKEYE

Particular description of goods.—Fishing Reels.
Claims use since Apr. 5, 1916.

Ser. No. 189,107. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Artcraft

Particular description of goods.—Artists' Brushes.
Claims use since June, 1923.

329 O. G.—53

Ser. No. 189,109. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Camox

Particular description of goods.—Artists' Brushes.
Claims use since Jan. 1, 1910.

Ser. No. 189,110. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Cutter

Particular description of goods.—Artists' Brushes.
Claims use since Oct. 1, 1923.

Ser. No. 189,111. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Dispatch

Particular description of goods.—Artists' Brushes.
Claims use since Oct. 1, 1923.

Ser. No. 189,113. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Esperanto

Particular description of goods.—Artists' Brushes.
Claims use since Oct. 1, 1923.

Ser. No. 189,116. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Gildmore

Particular description of goods.—Artists' Brushes.
Claims use since Oct. 1, 1923.

Ser. No. 189,117. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Kazanox

Particular description of goods.—Artists' Brushes.
Claims use since Oct. 1, 1923.

Ser. No. 189,118. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Meissonier

Trade-mark "Meissonier" is the name of the French artist, deceased 1891.

Particular description of goods.—Artists' Brushes.
Claims use since June 1, 1914.

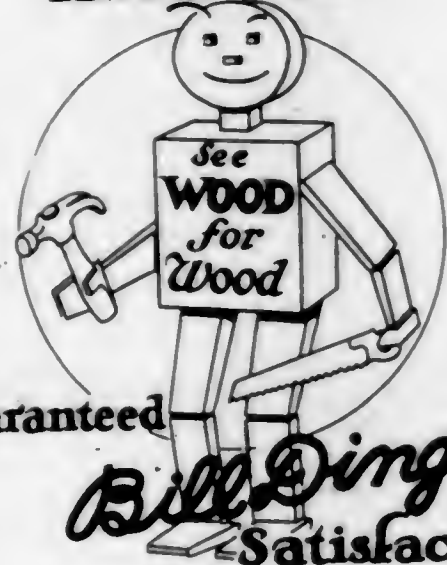
Ser. No. 189,124. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

Single Stroke

Particular description of goods.—Artists' Brushes.
Claims use since January, 1910.

Ser. No. 190,624. (CLASS 12. CONSTRUCTION MATERIALS.) W. D. WOOD LUMBER COMPANY, Birmingham, Ala. Filed Jan. 9, 1924.

Home of



Guaranteed

Bill Ding
Satisfaction

Applicant disclaims all words used in connection with this trade-mark except the words "Bill Ding."

Particular description of goods.—Lumber and Construction Materials—Namely, Rough Lumber, Dressed Lumber, Cement, Plaster, Brick, Laths, Sash and Doors, Roll Composition Roofing, and Shingle-Type Composition Roofing.

Claims use since November, 1923.

Ser. No. 191,446. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS EDWARD PEACOCK, West Blocton, Ala. Filed Jan. 20, 1924.

GASTROLIEF

Particular description of goods.—Liquid Medicinal Preparation Used for the Relief of Dyspepsia, Indigestion, Constipation, and Associated Symptoms.

Claims use since Oct. 24, 1922.

Ser. No. 191,661. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADJUSTABLE CLAMP COMPANY, Chicago, Ill. Filed Feb. 2, 1924.

"Pony"

Particular description of goods.—Cabinet Clamps.
Claims use since Aug. 28, 1923.

Ser. No. 192,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BANKERS DISCOUNT CORPORATION, Astoria, Ore. Filed Feb. 26, 1924.

JETTY

Particular description of goods.—Canned Salmon.
Claims use since Mar. 1, 1923.

Ser. No. 193,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. BOURJOIS & Co. INC., New York, N. Y. Filed Mar. 7, 1924.

CORAL-ROSE

No claim is made to the word "Rose" apart from the mark shown.

Particular description of goods.—Toilet Preparations.
Claims use since Sept. 1, 1923.

Ser. No. 194,110. (CLASS 39. CLOTHING.) SAMUEL KRATNER, doing business as S. Kratner & Co., Chicago, Ill. Filed Mar. 20, 1924.



Little Miss Minnette

Without waiving any common-law rights applicant disclaims exclusive right to the representation of a hat or cap apart from the trade-mark shown.

Particular description of goods.—Millinery Consisting of Ladies', Misses', and Children's Hats and Caps.
Claims use since Jan. 1, 1924.

Ser. No. 195,153. (CLASS 6. CHEMICALS; MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CANTON PHARMACAL COMPANY, Canton, Ohio. Filed Apr. 8, 1924.



No claim is made to the words "Shake Well" apart from the mark shown on the drawing.

Particular description of goods.—Medicine for Indigestion, Gastritis, Cramps, Nausea, Dyspepsia, and Certain Forms of Stomach and Intestinal Disorders.

Claims use since on or about Jan. 30, 1924.

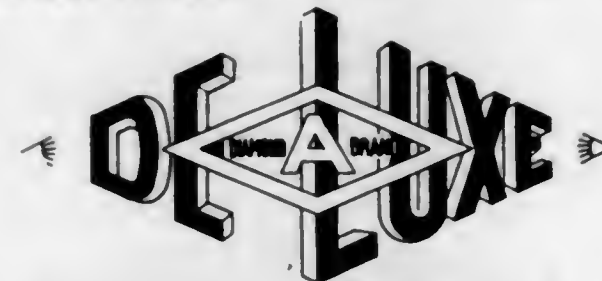
Ser. No. 196,888. (CLASS 2. RECEPTACLES.) STEVENS & THOMPSON PAPER CO., New York, N. Y. Filed May 10, 1924.

SANI-TRAY

Particular description of goods.—Plates, Cups, Saucers, Trays, and Bowls Made of Paper or Fiber.

Claims use since Sept. 15, 1923.

Ser. No. 196,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARNOLD BROS. INC., Chicago, Ill. Filed May 14, 1924.



No claim is made to the use of the word "Brand" apart from the trade-mark as shown.

Particular description of goods.—Sausage.
Claims use since Jan. 28, 1924.

Ser. No. 197,266. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 19, 1924.



Particular description of goods.—Hair Nets and Dress Linings Made of Silk and of Net Material.

Claims use since Feb. 21, 1924, on hair nets, and since Feb. 26, 1924, on dress linings.

Ser. No. 197,352. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) S. THEO. ANDERSON CORPORATION, Chicago, Ill. Filed May 21, 1924.

Fly

Brand

No claim is made to the word "Brand" apart from the mark as shown.

Particular description of goods.—Covers for Protecting Horses, Mules, and Cattle Against Flies.

Claims use since Nov. 22, 1923.

Ser. No. 197,528. (CLASS 2. RECEPTACLES.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed May 24, 1924.



No claim is made to the word "Paper" apart from the mark shown in the drawing.

Particular description of goods.—Cartons and Containers Constructed Wholly or Partly of Paper, Paper Boxes, Paper Plates and Dishes, and Paper Drinking Receptacles.

Claims use since about Feb. 15, 1901.

Ser. No. 197,577. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUGGISTS SYNDICATE, Long Island City, N. Y. Filed May 26, 1924.

TIJAN

Particular description of goods.—Perfumes, Toilet Waters, Face Cream, Rouge, Lip Sticks, Powders, and Compacts.

Claims use since about May 15, 1924.

Ser. No. 198,343. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MAX D. FARMER, Brooklyn, N. Y. Filed June 10, 1924.

Vim Vat

Without waiving any common-law rights no claim is made to the exclusive use of the word "Vat" except in the combination shown.

Particular description of goods.—Containers Used for Substances to Which It is Desirable to Impart the Medicinal Value of Radioactive Emanation.

Claims use since May 22, 1924.

Ser. No. 198,448. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. H. BEHRENS & Co., Inc., New York, N. Y. Filed June 12, 1924.

Sole

The word "Sole" is disclaimed except in connection with the mark as shown.

Particular description of goods.—Piece Goods Made of a Mixture of Cotton and Silk and Piece Goods Made of a Mixture of Cotton and Artificial Silk.

Claims use since about June 3, 1924.

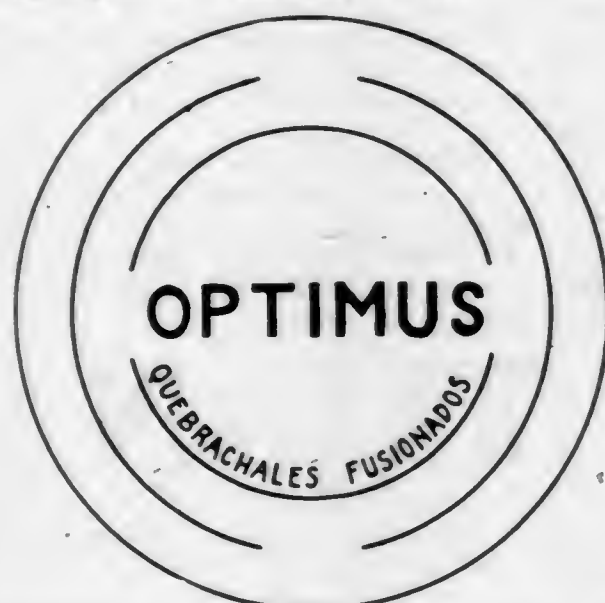
Ser. No. 198,629. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SAMUEL ESHBORN, New York, N. Y. Filed June 16, 1924.

Triumph

Particular description of goods.—Sound Boxes for Phonographs.

Claims use since June 11, 1924.

Ser. No. 199,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIEDAD ANONIMA QUEBRACHALES FUSIONADOS, Buenos Aires, Argentina. Filed June 26, 1924.



Particular description of goods.—Quebracho Extract, Particularly Quebracho Extract Soluble in Cold Water.

Claims use since June 30, 1923.

Ser. No. 199,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIEDAD ANONIMA QUEBRACHALES FUSIONADOS, Buenos Aires, Argentina. Filed June 26, 1924.

URUNDAY

Particular description of goods.—Quebracho Extract, Particularly Quebracho Extract Soluble in Cold Water.

Claims use since Aug. 10, 1923.

Ser. No. 199,551. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed July 3, 1924.

KELTIC

No claim is made to the use of the slogan "The Cloth of Famous Wear" separate and apart from the mark shown. The drawing is lined for the purpose of shading only.

Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.

Claims use since January, 1922.

Ser. No. 199,633. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FISHER FLOURING MILLS COMPANY, Seattle, Wash. Filed July 7, 1924.

Fisher's

**INSTANT
OATS**

The word "Oats" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Rolled Oats.

Claims use since May 21, 1924.

Ser. No. 199,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. GRECHT Co., Baltimore, Md. Filed July 7, 1924.

SPRING GARDEN

Particular description of goods.—Canned Vegetables.

Claims use since 1884.

Ser. No. 200,066. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED CANDY COMPANY, Boston, Mass. Filed July 15, 1924.

**ROSE
DAWN**

Particular description of goods.—Candy.

Claims use since June, 1923.

Ser. No. 200,106. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LAURENCE BELTING COMPANY, INC., New York, N. Y. Filed July 16, 1924.

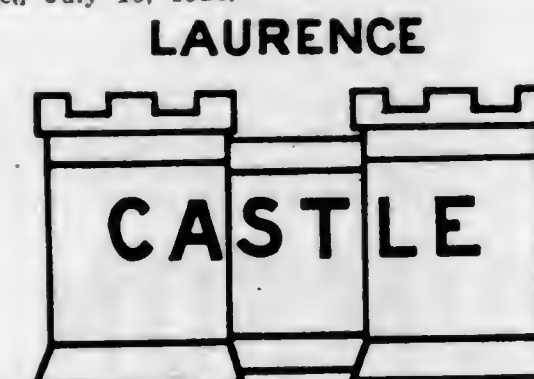


No claim is made to the name "Laurence" except in association with the trade-mark.

Particular description of goods.—Leather and Cotton Belting.

Claims use since July 11, 1924.

Ser. No. 200,107. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LAURENCE BELTING COMPANY, INC., New York, N. Y. Filed July 16, 1924.



Particular description of goods.—Leather and Cotton Belting.

Claims use since July 11, 1924.

Ser. No. 200,459. (CLASS 39. CLOTHING.) NEW MILLINERY COMPANY, Fort Smith, Ark. Filed July 24, 1924.



No claim is made to the exclusive use of the word "Hats."

Particular description of goods.—Ladies' Hats.

Claims use since July 15, 1921.

Ser. No. 200,464. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, San Francisco, Calif. Filed July 24, 1924.



No claim is made to the exclusive use of the words "Motor Oil" except in the association shown with the trade-mark "Caravan."

Particular description of goods.—Lubricating Oils.

Claims use since June 16, 1924.

Ser. No. 200,507. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.



Particular description of goods.—Leather Goods, Bill Folders, Pocketbooks, and Reticules.

Claims use since Apr. 10, 1924.

Ser. No. 200,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KASIMIR T. MARCZAK, Massena, N. Y. Filed July 29, 1924.

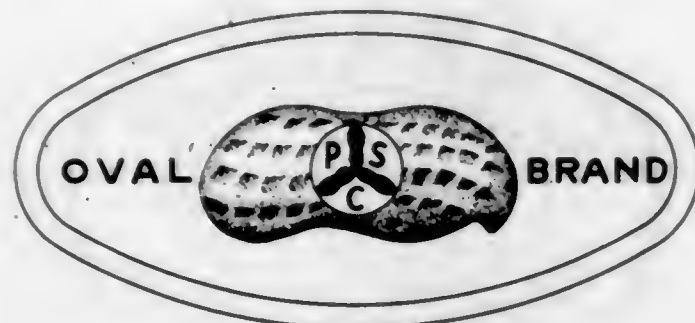


No claim is made to the words "Napkin & Spoon—Pull—Ice Cream and Fruit—Dessert" apart from the mark as shown on the drawing.

Particular description of goods.—Frozen Confections.

Claims use since June 7, 1924.

Ser. No. 200,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEANUT SPECIALTY CO., Chicago, Ill. Filed Aug. 1, 1924.



No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Confections—Namely, Candies, Coated, Treated, or Prepared Nuts, Nut Meats, or Fruits.

Claims use since Mar. 31, 1921.

Ser. No. 200,872. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EVERHOT MANUFACTURING COMPANY, Maywood, Ill. Filed Aug. 2, 1924.



Particular description of goods.—Branding Irons and Soldering Irons, Not Electric.
Claims use since July, 1920.

Ser. No. 201,135. (CLASS 15. OILS AND GREASES.) HYGRADE OIL & FUEL CORPORATION, Buffalo, N. Y. Filed Aug. 8, 1924.



No claim is made to the exclusive use of the word "Hygrade" apart from the mark shown in the drawing, although it is understood that this disclaimer in no sense constitutes a waiver of the rights which inherently attach to the use of the mark at common law.

Particular description of goods.—Oils and Greases.
Claims use since June 27, 1924.

Ser. No. 201,209. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MORRIS ROSENBAUM, Chicago, Ill. Filed Aug. 9, 1924.



Particular description of goods.—Automobile Polish.
Claims use since June, 1923.

Ser. No. 201,470. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass., doing business as M. C. D. Borden & Sons, Inc., New York, N. Y. Filed Aug. 16, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since May 29, 1919.

Ser. No. 201,480. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass., doing business as M. C. D. Borden & Sons, Inc., New York, N. Y. Filed Aug. 16, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since November, 1911.

Ser. No. 201,743. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK B. DENNIE, doing business as Jersee Company, Minneapolis, Minn. Filed Aug. 22, 1924.



The term "Just Rite" and the words "Egg Mash" are disclaimed apart from the mark as shown on the drawing heretofore filed.

Particular description of goods.—Egg Mash.
Claims use since Aug. 13, 1924.

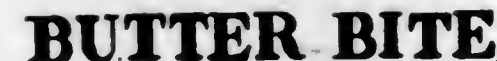
Ser. No. 201,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK B. DENNIE, doing business as Security Remedy Company, Minneapolis, Minn. Filed Aug. 22, 1924.



All wording with the exception of "Se-Re-Co" is disclaimed apart from the mark as shown on the drawing heretofore filed.

Particular description of goods.—Egg Mash.
Claims use since Aug. 13, 1924.

Ser. No. 201,841. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Filed Aug. 25, 1924.



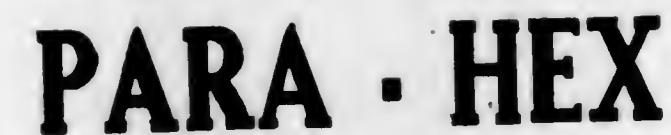
Particular description of goods.—Cakes, Cookies, Fried Cakes, Doughnuts, Bread, and Rolls.
Claims use since July 3, 1924.

Ser. No. 201,845. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Filed Aug. 25, 1924.



Particular description of goods.—Cakes, Cookies, Fried Cakes, Doughnuts, Bread, and Rolls.
Claims use since July 7, 1924.

Ser. No. 202,003. (CLASS 12. CONSTRUCTION MATERIALS.) THE CHATFIELD MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Aug. 29, 1924.



Particular description of goods.—Shingles and Roofing Materials.
Claims use since Aug. 10, 1924.

Ser. No. 202,017. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CHARLES E. KENNEDY, New Bedford, Mass. Filed Aug. 29, 1924.



Particular description of goods.—Windshield Wipers.
Claims use since May 20, 1924.

Ser. No. 202,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK HILDNER, Chicago, Ill. Filed Sept. 2, 1924.



Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Jan. 1, 1924.

Ser. No. 202,124. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Sept. 2, 1924.



The word "Chop" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Tea.
Claims use since 1885.

Ser. No. 202,272. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISAAC L. FLORY, doing business as E. A. K. Chemical Company, Elkton, Va. Filed Sept. 5, 1924.



HAIR TRAINER

No claim made to the words "Hair Trainer" apart from the mark as shown.

Particular description of goods.—Toilet Preparation for the Hair.

Claims use since Mar. 1, 1924.

Ser. No. 202,319. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE MOUNTAIN CHOCOLATE CO., Inc., Cascade, Md. Filed Sept. 8, 1924.

GRAB-ME!

Particular description of goods.—Candy, and Particularly Milk-Chocolate Bars.

Claims use since July 25, 1924.

Ser. No. 202,664. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN J. HEALY, Reno, Nev. Filed Sept. 16, 1924.

JACK'S MENTOLYPTINE



The picture is a childhood portrait of John J. Healy, Jr.
Particular description of goods.—Liniments.
Claims use since Nov. 8, 1923.

Ser. No. 202,666. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Sept. 16, 1924.



The lining of trade-mark expresses the color red. No claim is made to the word "Oil" apart from the mark shown.

Particular description of goods.—Fuel Oils and Lubricating Oils.

Claims use since August, 1922.

Ser. No. 202,725. (CLASS 5. ADHESIVES.) GEORGE L. UMAN, doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Filed Sept. 17, 1924.

PAPCO

Particular description of goods.—Library Paste, Glue, Mucilage, Liquid Pastes, and Adhesive Cements.
Claims use since December, 1923.

Ser. No. 202,788. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. THEO. ABBOTT & Co., Philadelphia, Pa. Filed Sept. 20, 1924.

STAYFAST

Particular description of goods.—Textile Fabric Made of a Combination of Cotton Satin Damask for Decorative Purposes.

Claims use since about Aug. 21, 1924.

Ser. No. 202,702. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPBELL HOLTON & Co., Bloomington, Ill. Filed Sept. 20, 1924.

HAPPY HOUR MINUTE OATS

No claim is made to the words "Minute Oats" apart from the mark as shown.

Particular description of goods.—Prepared Oats to be Used as a Cereal Breakfast Food.

Claims use since July 1, 1924.

Ser. No. 202,885. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OPPENHEIM & McEWAN CO., Inc., Albany, N. Y. Filed Sept. 22, 1924.

WALGUS

Particular description of goods.—Canned Vegetables and Tomato Catchup.

Claims use since 1913.

Ser. No. 203,013. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRATT'S PATENT (AMERICA) LIMITED, London, England. Filed Sept. 24, 1924.

MAXCO

Particular description of goods.—Food for Poultry, Game, and Birds.

Claims use since Feb. 14, 1906.

Ser. No. 203,262. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EVASON MANUFACTURING COMPANY, Los Angeles, Calif. Filed Oct. 1, 1924.

"RED CLIPS"

Particular description of goods.—Combined Lubricators, Roller Bearings, and Shock Absorbers for Leaf Springs.

Claims use since July 1, 1924.

Ser. No. 203,298. (CLASS 15. OILS AND GREASES.) CALDWELL & TAYLOR, St. Bernard, Ohio. Filed Oct. 2, 1924.



No claim is made for the word "Gas" apart from the mark as shown.

Particular description of goods.—Motor Fuel Oils.

Claims use since Aug. 15, 1924.

Ser. No. 203,384. (CLASS 43. THREAD AND YARN.) NEUBURGER & Co. Inc., New York, N. Y. Filed Oct. 3, 1924.

RAYONA

Particular description of goods.—Artificial-Silk Yarn, Silk Yarn, Cotton Yarn, and Woolen Yarn.

Claims use since July 1, 1924.

Ser. No. 203,404. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY DISSTON & SONS, INCORPORATED, Tacoma, Philadelphia, Pa. Filed Oct. 4, 1924.



Particular description of goods.—Elements of Cigarette Machinery—Namely, Cigarette Knives and Cigarette Bands.

Claims use since Sept. 2, 1924.

Ser. No. 203,406. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHAS. FRESHMAN COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 4, 1924.

FRESHMAN MASTERPIECE

Particular description of goods.—Radio Receiving Sets.
Claims use since July 31, 1924.

Ser. No. 203,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Mrs. J. MERENESS, Los Angeles, Calif. Filed Oct. 6, 1924.



The picture forming a part of trade-mark is fanciful.
Particular description of goods.—Preparation for the treatment of Bruised Coccyx.
Claims use since Aug. 26, 1924.

Ser. No. 203,640. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 9, 1924.

SILVERTIP

Particular description of goods.—Lighting Carbons.
Claims use since Jan. 1, 1924.

Ser. No. 203,654. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SUNDAHL & HECKERT SHEET METAL WORKS, Kansas City, Mo. Filed Oct. 9, 1924.

VEN-AIR

Particular description of goods.—Ventilators.
Claims use since April, 1923.

Ser. No. 203,664. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 10, 1924.

AUTELCO

Particular description of goods.—Automatic Telephone Systems.
Claims use since Sept. 24, 1924.

Ser. No. 203,666. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES E. BONINE, Philadelphia, Pa. Filed Oct. 10, 1924.

TURN-IT

Particular description of goods.—Grid Leaks.
Claims use since Aug. 27, 1923.

Ser. No. 203,713. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BOND FOUNDRY AND MACHINE COMPANY, Manheim, Pa. Filed Oct. 11, 1924.



No claim is made to the words "Strength & Durability" or to the representation of the goods apart from the mark as shown.

Particular description of goods.—Truck Casters.
Claims use since Aug. 25, 1924.

Ser. No. 203,732. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HARCOL MOTION PICTURE INDUSTRIES, INC., New Orleans, La. Filed Oct. 11, 1924.

HARCOL

Particular description of goods.—Moving Picture Films.
Claims use since August, 1916.

Ser. No. 203,741. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VICTOR NEUSTADTL, New York, N. Y. Filed Oct. 11, 1924.



Particular description of goods.—Hops.
Claims use since June 1, 1921.

Ser. No. 203,742. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VICTOR NEUSTADTL, New York, N. Y. Filed Oct. 11, 1924.

„Gesundheit!“

Particular description of goods.—Hops.
Claims use since June 1, 1924.

Ser. No. 203,786. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN BIRD, doing business as Nocarb Mfg. Co., Camden, Me. Filed Oct. 13, 1924.



Particular description of goods.—Device Attached to the Intake Manifold on Internal-Combustion Engines for Carrying Chemicals, the Fumes from Which Prevent the Deposit of Carbon in the Cylinders of Gasoline, Oil, and Similar Engines.

Claims use since Aug. 1, 1924.

Ser. No. 203,860. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE PH. ZANG COMPANY, Denver, Colo. Filed Oct. 13, 1924.



Particular description of goods.—Malt Cereal Beverages.
Claims use since March, 1924.

Ser. No. 203,866. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PREMIER RADIO CORPORATION, Defiance, Ohio. Filed Oct. 14, 1924.



The word "Radio" is hereby disclaimed apart from the other features of the trade-mark.
Particular description of goods.—Radio Receiving Sets.
Claims use since Aug. 5, 1924.

Ser. No. 203,868. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GORDON TUCKER, Minneapolis, Minn. Filed Oct. 14, 1924.

BALLOON

Particular description of goods.—Tire Jacks.
Claims use since March, 1924.

Ser. No. 203,903. (CLASS 5. ADHESIVES.) PERKINS GLUE COMPANY, Lansdale, Pa. Filed Oct. 15, 1924.

PERKINS



Particular description of goods.—Starch Glue Material.
Claims use since July 16, 1924.

Ser. No. 203,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VOLLMER-CLEARWATER Co., LTD., also doing business as The Asotin Roller Mills, Lewiston, Idaho. Filed Oct. 15, 1924.



The word "Flour" does not form a part of the registration apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since July 2, 1924.

Ser. No. 203,961. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEVI & SELIGMAN, INC., Brooklyn, N. Y. Filed Oct. 16, 1924.

Rollo-Krepe

No rights are asserted to the exclusive use of the word "Crepe" except as forming part of the trade-mark as shown in the drawing.

Particular description of goods.—Knitted Artificial-Silk Piece Goods.

Claims use since Sept. 15, 1924.

Ser. No. 203,965. (CLASS 37. PAPER AND STATIONERY.) THE MARVELLUM COMPANY, Holyoke, Mass. Filed Oct. 16, 1924.

Marvelart

Particular description of goods.—Cover Paper.

Claims use since Feb. 25, 1924.

Ser. No. 203,983. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TAPLET MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 16, 1924.



Particular description of goods.—Electrical-Conduit Fittings.

Claims use since August, 1922.

Ser. No. 204,011. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CINCINNATI ART PUBLISHING COMPANY, Cincinnati, Ohio. Filed Oct. 17, 1924.

Motto Graph

Particular description of goods.—Framed Mottoes.

Claims use since Dec. 10, 1923.

Ser. No. 204,030. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOSCH BROTHERS COMPANY, Gainesville, Ga. Filed Oct. 17, 1924.

BRENAU

Particular description of goods.—Cotton Plaids, Cotton Serge, Cotton Crêpes, Shirtings of Silk and Cotton, Wool Plaids, Wool Serge, Wool Crêpes, Silk Plaids, Silk Crêpes, Silk Messulines and Taffetas, Satens, Curtain Net, Curtain Marquisette, Lace Curtains, Chambray. All of the foregoing items in the form of Piece Goods.

Claims use since Mar. 6, 1924.

Ser. No. 204,041. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MARTINAGH CO., Cohoes, N. Y. Filed Oct. 17, 1924.

CRE

Particular description of goods.—Liquid Polish for Use on Painted and Varnished Surfaces.

Claims use since Sept. 11, 1924.

Ser. No. 204,087. (CLASS 37. PAPER AND STATIONERY.) THE BURKHARDT COMPANY, INC., Detroit, Mich. Filed Oct. 18, 1924.



Particular description of goods.—Binders, Ledgers, and Sheet Holders.

Claims use since about January, 1913.

Ser. No. 204,090. (CLASS 15. OILS AND GREASES.) KANT-KRODE PRODUCTS CORPORATION, Rahway, N. J. Filed Oct. 18, 1924.



Particular description of goods.—Lubricant and Corrosion-Preventing Paste.

Claims use since April, 1924.

Ser. No. 204,108. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MINNEAPOLIS ELECTRIC LAMP COMPANY, Minneapolis, Minn. Filed Oct. 18, 1924.

MELCO

Particular description of goods.—Incandescent Electric Lamps.

Claims use since Apr. 1, 1922.

Ser. No. 204,118. (CLASS 17. TOBACCO PRODUCTS.) SAMUEL SANDLER, New York, N. Y. Filed Oct. 18, 1924.

?TRIPLETS?

Particular description of goods.—Cigars.

Claims use since September, 1918.

Ser. No. 204,160. (CLASS 37. PAPER AND STATIONERY.) HAMMERMILL PAPER COMPANY, Erie, Pa. Filed Oct. 20, 1924.

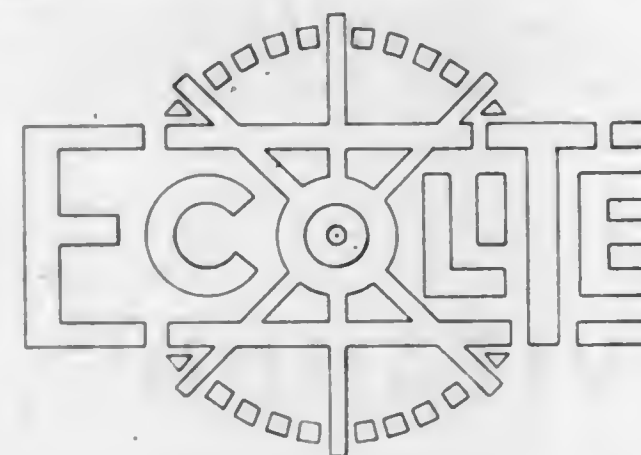
LUNA

Trade-mark "Luna."

Particular description of goods.—Bond Writing Paper.

Claims use since Feb. 16, 1924.

Ser. No. 204,163. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ECONOMY ELECTRIC LANTERN COMPANY, Chicago, Ill. Filed Oct. 20, 1924.



Particular description of goods.—Electric Lanterns and Batteries.

Claims use since Aug. 15, 1924.

Ser. No. 204,175. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) KEEN KOLA MANUFACTURING COMPANY, Dallas, Tex. Filed Oct. 20, 1924.



Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.

Claims use since Nov. 1, 1918.

Ser. No. 204,214. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN FINE FABRIC COMPANY, Frankford, Philadelphia, Pa. Filed Oct. 21, 1924.

MOLOUR

Particular description of goods.—Mohair Plushes (Piece Goods) for the Upholstery and Furniture Trades.

Claims use since Oct. 1, 1922.

Ser. No. 204,229. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILIP GALLUB, New York, N. Y. Filed Oct. 21, 1924.

SOIE DE FLEUR

Trade-mark consists in the words "Sole de Fleur." No claim is made to the exclusive use of the word "Sole" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the use of the same as an essential of the complete mark.

Particular description of goods.—Silk Piece Goods.

Claims use since Sept. 24, 1924.

Ser. No. 204,270. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MILO MANUFACTURING COMPANY, North Arlington, N. J. Filed Oct. 22, 1924.



In the drawing the shading indicates a red color for the band and border and gold and gilt for the field.

Particular description of goods.—Loud Speaker for Radio Sets.

Claims use since May 15, 1924.

Ser. No. 204,283. (CLASS 15. OILS AND GREASES.) SINCLAIR REFINING COMPANY, New York, N. Y. Filed Oct. 22, 1924.

ALWETHER

Particular description of goods.—Lubricating Oil.

Claims use since Sept. 9, 1924.

Ser. No. 204,285. (CLASS 37. PAPER AND STATIONERY.) THE TISSUE COMPANY, Saugerties, N. Y. Filed Oct. 22, 1924.

TISS-KLOTH

Particular description of goods.—Paper Napkins.

Claims use since about Sept. 4, 1923.

Ser. No. 204,312. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FLOOR WAXER & POLISHER CORP., New York, N. Y. Filed Oct. 23, 1924.

Radiant

Particular description of goods.—Floor Waxing and Polishing Machines.

Claims use since about July 15, 1924.

Ser. No. 204,332. (CLASS 37. PAPER AND STATIONERY.) R. W. & B. MANUFACTURING CORPORATION, New York, N. Y. Filed Oct. 23, 1924.

Cip-Stickers

Particular description of goods.—Paper Fasteners.
Claims use since Oct. 10, 1924.

Ser. No. 204,359. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES H. FELDSTEIN COMPANY, INCORPORATED, Philadelphia, Pa. Filed Oct. 24, 1924.

Feltay

Trade-mark consists of the word "Feltay."
Particular description of goods.—Haircloth as Piece Goods in Roll Form.
Claims use since Dec. 19, 1921.

Ser. No. 204,369. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORTH BRO'S MFG CO., Philadelphia, Pa. Filed Oct. 24, 1924.

YANKEE

Particular description of goods.—Ratchet-Hand-Tool Handles, Hand Drills, Ratchet Hand Tools, Tools for Drilling by Hand, Screw Drivers, Drill Chucks, Drill Bits, Breast Drills, Chain Drills, Bench Drills, Vises, Tap Wrenches, Screw-Holder Attachments for Screw Drivers, Push Braces, Brake-Lining Cutters, Belting Cutters, Radio Tool Sets, and Bit Braces.

Claims use since 1898 on ratchet-hand-tool handles, hand drills, ratchet hand tools, tools for drilling by hand, screw drivers, drill chucks, and drill bits; on breast drills since September, 1909; on chain drills since November, 1912; on bench drills and vises since November, 1913; on tap wrenches since August, 1914; on screw-holder attachments for screw drivers since the year 1908; on push braces since September, 1911; on brake-lining cutters and belting cutters since June, 1921; on radio tool sets since April, 1924; and on bit braces since Oct. 21, 1924.

Ser. No. 204,430. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Oct. 27, 1924.

DE LUXE

Particular description of goods.—Chalk.
Claims use since Oct. 1, 1924.

Ser. No. 204,451. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GLENDALE ENGINEERING CO., Glendale, Calif. Filed Oct. 27, 1924.

GLENDISK

Particular description of goods.—Automobile Brakes.
Claims use since Aug. 2, 1924.

Ser. No. 204,456. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. A. HENCKELS, Inc., New York, N. Y. Filed Oct. 27, 1924.

Certified

Particular description of goods.—Scissors, Knives, and Razors.
Claims use since Oct. 21, 1924.

Ser. No. 204,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. H. MATTHESON, Oakdale, Calif. Filed Oct. 27, 1924.

VITAMORE.

Particular description of goods.—Poultry and Stock Foods.
Claims use since Oct. 4, 1924.

Ser. No. 204,487. (CLASS 37. PAPER AND STATIONERY.) S. D. WARREN COMPANY, Boston, Mass. Filed Oct. 27, 1924.

SILKFOLD

Particular description of goods.—Printing Paper.
Claims use since Oct. 4, 1924.

Ser. No. 204,501. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CLEVELAND TANNING COMPANY, Cleveland, Ohio. Filed Oct. 28, 1924.

CLETAN

Trade-mark "Cletan."
Particular description of goods.—Leathers.
Claims use since June, 1922.

Ser. No. 204,526. (CLASS 37. PAPER AND STATIONERY.) JACK D. SNOW, doing business as J. D. Snow Company, New York, N. Y. Filed Oct. 28, 1924.

-SHAMROCK-

Particular description of goods.—Fountain Pens.
Claims use since Aug. 1, 1924.

Ser. No. 204,542. (CLASS 37. PAPER AND STATIONERY.) CHAPIN & GOULD PAPER COMPANY, Springfield, Mass. Filed Oct. 29, 1924.

PRUDENCE

Particular description of goods.—Writing and Printing Paper.
Claims use since Oct. 3, 1924.

Ser. No. 204,587. (CLASS 37. PAPER AND STATIONERY.) Z. & W. M. CRANE, INC., Dalton, Mass. Filed Oct. 30, 1924.

Cordlinear

Particular description of goods.—Writing Paper, Mailing Envelopes; Flat Paper, by Which is Meant Large Sheets for Printers, Lithographers, and Converters to Cut Up into Smaller Sizes as Their Needs May Require; and Paperboards, Which are Eventually Cut Up into Sizes Suitable for Correspondence Cards, Christmas Cards, Menus, and Other Purposes.
Claims use since about May 1, 1924.

Ser. No. 204,607. (CLASS 39. CLOTHING.) THE GREAT EASTERN MFG. CO. INC., Reading, Pa. Filed Oct. 30, 1924.

NATTIE LOU

Particular description of goods.—Women's Outer Wear, Gingham Dresses, Cloth Dresses, Silk and Cotton Linen; Silk, Cotton and Silk, and Cotton Stockings; Aprons, and Children's Dresses.
Claims use since Aug. 3, 1924.

Ser. No. 204,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LARKIN CO. INC., Buffalo, N. Y. Filed Oct. 30, 1924.

NIKKAL

Particular description of goods.—Water-Softener Compound and Chemical Cleaner.
Claims use since Sept. 12, 1922.

Ser. No. 204,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSWALD LAUFFER, doing business as Silvoplate Company, New York, N. Y. Filed Oct. 30, 1924.

SILVOPLATE

Particular description of goods.—Silver-Plating Compound.
Claims use since May 1, 1924.

Ser. No. 204,624. (CLASS 39. CLOTHING.) NORTON BROS. & MORRIS, Los Angeles, Calif. Filed Oct. 30, 1924.

NORTHMORE

Particular description of goods.—Men's Clothing—Namely, Shirts, Underwear of Knitted and Textile Fabrics, Neckties, and Pyjamas.
Claims use since June 1, 1924.

Ser. No. 204,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SELIG COMPANY, Atlanta, Ga. Filed Oct. 30, 1924.

SELCOPINE

Particular description of goods.—Steam-Distilled Pine-Oil Disinfectant.
Claims use since Sept. 15, 1924.

Ser. No. 204,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SQUIRE DINGEE COMPANY, Chicago, Ill. Filed Oct. 30, 1924.

MAGIC CITY

Particular description of goods.—Pickles.
Claims use since 1909.

Ser. No. 204,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICARDO CABANES, San Antonio, Tex. Filed Oct. 31, 1924.



Particular description of goods.—Tonic for the Nerves, Blood, and Heart.
Claims use since 1914.

Ser. No. 204,693. (CLASS 39. CLOTHING.) BELMONT HOSIERY COMPANY, Belmont, N. H. Filed Nov. 1, 1924.

FAMILY CIRCLE

Trade-mark consists of the words "Family Circle."
Particular description of goods.—Hosiery.
Claims use since Oct. 27, 1924.

Ser. No. 204,707. (CLASS 39. CLOTHING.) GUTERMAN BROS., INC., St. Paul, Minn. Filed Nov. 1, 1924.

Yurefit

Particular description of goods.—Hosiery.
Claims use since Jan. 19, 1915.

Ser. No. 204,746. (CLASS 39. CLOTHING.) BENEDICT-POLLAK & COMPANY, Jacksonville, Fla. Filed Nov. 3, 1924.

WEAR RESISTERS

Particular description of goods.—Underwear and Hosiery.
Claims use since Sept. 21, 1924.

Ser. No. 204,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC SEA FOODS CO., Hoquiam, Wash. Filed Nov. 3, 1924.

HECTOR

Particular description of goods.—Canned Salmon.
Claims use since July 1, 1924.

Ser. No. 204,789. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX ROBINS, doing business as Maxine Drug Co., Chicago, Ill. Filed Nov. 3, 1924.

MILCREAM

Particular description of goods.—Cold Cream.
Claims use since Oct. 16, 1923.

Ser. No. 204,793. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIÉTÉ L'ALIMENT ESSENTIEL, Nanterre, France. Filed Nov. 3, 1924.

PROLAMINE

Particular description of goods.—Food for Infants and Invalids.
Claims use since May, 1923.

Ser. No. 204,796. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIÉTÉ L'ALIMENT ESSENTIEL, Nanterre, France. Filed Nov. 3, 1924.

Nergine

Particular description of goods.—Wheat Farina Having the Organic Phosphorous and Mineral Elements of the Grain Combined Therein and Its Vitamines Free from All Fatty, Irritating, and Tonic Substances.
Claims use since February, 1922.

Ser. No. 204,804. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK G. WIRTHMAN, doing business as Speed-It Company, Kansas City, Mo. Filed Nov. 3, 1924.

SPEED-ITE

Particular description of goods.—Liquid Preparation to Decrease Deposit of Carbon in Cylinders of Internal-Combustion Engines and to Increase the Explosive Force of the Gasoline Used as Fuel in Such Engines.
Claims use since January, 1924.

Ser. No. 204,809. (CLASS 43. BEVERAGES, NONALCOHOLIC.) GEORGE E. BALDWIN, doing business as Kwen Company, Seattle, Wash. Filed Nov. 4, 1924.

Kwen

Particular description of goods.—Nonalcoholic, Maltless Syrup Used in the Preparation of Soft Drinks.
Claims use since July 10, 1924.

Ser. No. 204,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEXTORA COMPANY, Indianapolis, Ind. Filed Nov. 4, 1924.

DEXTORA

Particular description of goods.—Baby Food.
Claims use since Oct. 15, 1924.

Ser. No. 204,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEXTORA COMPANY, Indianapolis, Ind. Filed Nov. 4, 1924.



Particular description of goods.—Baby Food.
Claims use since Oct. 15, 1924.

Ser. No. 204,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEXTORA COMPANY, Indianapolis, Ind. Filed Nov. 4, 1924.

DEXTORA



Particular description of goods.—Baby Food.
Claims use since Oct. 15, 1924.

329 O. G.—54

Ser. No. 204,823. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed Nov. 4, 1924.

"THE CAT'S MEOW"

Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since October, 1924.

Ser. No. 204,829. (CLASS 39. CLOTHING.) NATIONAL KNITTING COMPANY, Royersford, Pa. Filed Nov. 4, 1924.

Trumade

Particular description of goods.—Union Suits, Vests, Bloomers, and Step-Ins.
Claims use since Sept. 1, 1924.

Ser. No. 204,833. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH M. PIERRE, doing business as Resene Medicine Co., Fort Wayne, Ind. Filed Nov. 4, 1924.

LIV-R-VEX

Particular description of goods.—Medicinal Preparation for the Relief of Indigestion, Bilioousness, Constipation, and Dyspepsia.
Claims use since October, 1923.

Ser. No. 204,842. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Nov. 4, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 1, 1924.

Ser. No. 204,844. (CLASS 39. CLOTHING.) EUGENE N. TRABILCY, doing business as Mutual Knitting Mills, New York, N. Y. Filed Nov. 4, 1924.



Particular description of goods.—Knitted Sweaters, Vests, Scarfs, and Ties for Men and Women and Knitted Sweaters for Children.

Claims use since May 7, 1924.

Ser. No. 204,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Nov. 5, 1924.

PSYLLA

Particular description of goods.—Laxative.
Claims use since Aug. 1, 1924.

Ser. No. 204,851. (CLASS 39. CLOTHING.) BOYD-RICHARDSON CO., St. Louis, Mo. Filed Nov. 5, 1924.

PLEGEWORTH

Particular description of goods.—Suits, Coats, and Other Wearing Apparel.
Claims use since Oct. 29, 1924.

Ser. No. 204,861. (CLASS 5. ADHESIVES.) JOSEPH ZADOCK McDONALD, doing business as The J. Z. McDonald Co., Stanberry, Mo. Filed Nov. 5, 1924.

Glen-Elmo

Particular description of goods.—Mending Cement.
Claims use since June, 1923.

Ser. No. 204,870. (CLASS 37. PAPER AND STATIONERY.) SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga. Filed Nov. 5, 1924.

Scripto

Particular description of goods.—Pencil Leads.
Claims use since May 26, 1924.

Ser. No. 204,875. (CLASS 39. CLOTHING.) STIX, BAER & FULLER DRY GOODS CO., St. Louis, Mo. Filed Nov. 5, 1924.

Isabel

Particular description of goods.—Misses' and Women's Outer Wearing Apparel—Namely, Skirts, Waists, Blouses, Coats, Suits, Dresses, Riding Habits, Kleikers, Middles, Vests, and Hats.
Claims use since Oct. 15, 1924.

Ser. No. 204,876. (CLASS 39. CLOTHING.) TRUITT BROTHERS INCORPORATED, Binghamton, N. Y. Filed Nov. 5, 1924.

TRUFLEX

Particular description of goods.—Children's High and Low Shoes Constructed of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since Mar. 1, 1923.

Ser. No. 204,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN ENGBERG, INC., Chicago, Ill. Filed Nov. 5, 1924.

DARN-TOOTIN

Particular description of goods.—Candy.
Claims use since Sept. 3, 1924.

Ser. No. 204,881. (CLASS 39. CLOTHING.) SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Filed Nov. 6, 1924.

Simon Ackerman INCORPORATED CLOTHES

The lining in the drawing is for shading only. No claim is made to the words "Incorporated" and "Clothes" apart from the mark shown on the drawing.

Particular description of goods.—Men's Suits and Topcoats.

Claims use since 1919.

Ser. No. 204,882. (CLASS 39. CLOTHING.) SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Filed Nov. 6, 1924.

Style Shop CLOTHES

No claim is made to the word "Clothes" apart from the mark shown in the drawing. The lining in the drawing is for shading only.

Particular description of goods.—Men's Suits and Topcoats.

Claims use since November, 1923.

Ser. No. 204,883. (CLASS 39. CLOTHING.) SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Filed Nov. 6, 1924.

Novelty Shop CLOTHES

No claim is made to the word "Clothes" apart from the mark shown on the drawing.

Particular description of goods.—Men's Suits and Topcoats.

Claims use since November, 1923.

Ser. No. 204,885. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed Nov. 6, 1924.

SEN-TURE

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Belts for Personal Wear, Diaphragm Confiners, and Combinations of Corsets and Brassières.

Claims use since Nov. 3, 1924.

Ser. No. 204,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. BOGFELDT & Co., New York, N. Y. Filed Nov. 6, 1924.

VENDOME

Particular description of goods.—Toilet Preparations—Namely, Perfume, Toilet Water, Talcum Powder, Face Powder, Compact Rouge, Eyebrow Pencil, Lip Stick, and Nail Enamel.

Claims use since about July 15, 1916.

Ser. No. 204,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BYK-GULDENWERKE CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Berlin, Germany. Filed Nov. 6, 1924.

Solactol

Particular description of goods.—Chemical Products for Industrial, Scientific, and Photographic Purposes, Especially Solvents.

Claims use since 1922.

Ser. No. 204,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALOIS MAIER, doing business as De-Hy-Dro Sales Co., Los Angeles, Calif. Filed Nov. 6, 1924.

DE-HY-DRO

Particular description of goods.—Perfumes, Face Powders, Face Creams, Toilet Waters, Hair Tonics, Hair Oils, Hair Removers, Dentifrices, Tooth Powders, Rouges, Nail Polishers, Deodorizing Preparations, Sachet Powders, and Talcum Powders.

Claims use since Oct. 15, 1924.

Ser. No. 204,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 6, 1924.

IODOZEN

Particular description of goods.—Antiseptic and Deodorant Medicinal Preparation in Powder and Ointment Forms for Internal and External Use.

Claims use since 1898.

Ser. No. 204,922. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM MEYER, Kansas City, Kans. Filed Nov. 6, 1924.

M.R. & A.

Particular description of goods.—Remedy for the Treatment of Rupture, Fallen Arches, Weak Ankles, Stings, Bites, and Poison Oak.

Claims use since Aug. 1, 1924.

Ser. No. 204,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ ANONYME LES DENTIFRICES DU DOCTEUR PIERRE, Nanterre, France. Filed Nov. 6, 1924.

LA PERLE NOIRE

Particular description of goods.—Perfumes, Toilet Water, Eau de Cologne, Face Powder, Talcum Powder, Compacts, Lotion for the Skin, Face Cream, Rouges, and Dentifrices.

Claims use since Dec. 8, 1922.

Ser. No. 204,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TONSIL-TONE COMPANY, Kansas City, Mo. Filed Nov. 6, 1924.



Tonsil-tone

Particular description of goods.—Treatment of Tonsillitis, Laryngitis, Pharyngitis, and All Inflammation of the Mouth and Throat.

Claims use since Sept. 2, 1924.

Ser. No. 204,942. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) U. S. HAME COMPANY, Buffalo, N. Y. Filed Nov. 6, 1924.

522

Particular description of goods.—Hames.

Claims use since Nov. 1, 1924.

Ser. No. 204,943. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) U. S. HAME COMPANY, Buffalo, N. Y. Filed Nov. 6, 1924.

Red Band

Particular description of goods.—Hames.

Claims use since Nov. 1, 1924.

Ser. No. 204,961. (CLASS 20. LINOLEUM AND OILED CLOTH.) T. R. GOODLATTER & SONS, (INC.), Delawanna, N. J. Filed Nov. 7, 1924.

Walcloth

Particular description of goods.—Oilcloth—Namely, Plain and Figured Wall Covering.

Claims use since June 3, 1922.

Ser. No. 204,969. (CLASS 39. CLOTHING.) LINKS HOSIERY COMPANY INC., New York, N. Y. Filed Nov. 7, 1924.



Particular description of goods.—Hosiery and Sweaters.

Claims use since Jan. 22, 1923.

Ser. No. 204,970. (CLASS 39. CLOTHING.) McCROFTY STORES CORPORATION, Wilmington, Del., and New York, N. Y. Filed Nov. 7, 1924.

Alpine

Particular description of goods.—Hosiery.

Claims use since Sept. 1, 1924.

Ser. No. 204,971. (CLASS 39. CLOTHING.) McCROFTY STORES CORPORATION, Wilmington, Del., and New York, N. Y. Filed Nov. 7, 1924.



Particular description of goods.—Hosiery.

Claims use since Sept. 1, 1924.

Ser. No. 204,978. (CLASS 39. CLOTHING.) QUEENS BROS., Philadelphia, Pa. Filed Nov. 7, 1924.

Silk-Kist

Particular description of goods.—Silk Underwear.

Claims use since Sept. 22, 1924.

Ser. No. 204,985. (CLASS 39. CLOTHING.) JOHN WANAMAKER, New York, New York, N. Y. Filed Nov. 7, 1924.

'Kidease'

Particular description of goods.—Children's Shoes Made Wholly or in Part of Leather.

Claims use since May 21, 1924.

Ser. No. 204,989. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WORLD BOTTLING COMPANY, LTD., New Orleans, La. Filed Nov. 7, 1924.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as Soft Drink.

Claims use since Apr. 9, 1924.

Ser. No. 205,013. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INDEPENDENT BREWERIES COMPANY, St. Louis, Mo. Filed Nov. 8, 1924.

MATEO

Particular description of goods.—Table Beverage or Substitute for Coffee and Tea.

Claims use since Aug. 11, 1924.

Ser. No. 205,018. (CLASS 39. CLOTHING.) McLELLAN STORES COMPANY, New York, N. Y. Filed Nov. 8, 1924.

Celeste

Particular description of goods.—Men's, Women's, and Children's Hosiery.

Claims use since Feb. 19, 1924.

Ser. No. 205,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YAKIMA FRUIT GROWERS ASSOCIATION, Yakima, Wash. Filed Nov. 8, 1924.

SNO-KIST

Particular description of goods.—Fresh Apples.

Claims use since October, 1916.

Ser. No. 205,051. (CLASS 39. CLOTHING.) FRANK G. DELBON, Brooklyn, N. Y. Filed Nov. 10, 1924.

TWIN FLEX

Particular description of goods.—Leather Shoes and Shank Stiffeners Forming a Part of Said Shoes.

Claims use since about May 12, 1924.

Ser. No. 205,052. (CLASS 39. CLOTHING.) FRANK G. DELBON, Brooklyn, N. Y. Filed Nov. 10, 1924.

TRIFLEX

Particular description of goods.—Leather Shoes and Shank Stiffeners Forming a Part of Said Shoes.

Claims use since about Aug. 15, 1923.

Ser. No. 205,072. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Nov. 10, 1924.

ZITYSOL

Particular description of goods.—Antiseptics.

Claims use since Oct. 13, 1924.

Ser. No. 205,093. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Nov. 10, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 29, 1924.

Ser. No. 205,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS D. VAN ETEN, Sidney, Ohio. Filed Nov. 10, 1924.

Chu-Goody

Particular description of goods.—Candy.
Claims use since Sept. 1, 1924.

Ser. No. 205,114. (CLASS 39. CLOTHING.) EARL & WILSON, Troy, N. Y. Filed Nov. 11, 1924.

FOXLAWN

Particular description of goods.—Men's Negligee and Dress Shirts and Collars.
Claims use since Oct. 15, 1924.

Ser. No. 205,179. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Nov. 12, 1924.

Khalez

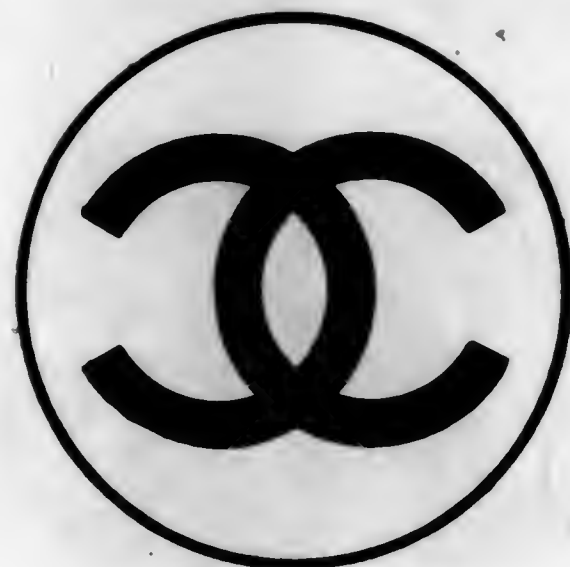
Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since July 25, 1924.

Ser. No. 205,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Nov. 18, 1924.

CHANEL

Particular description of goods.—Toilet Preparations—viz, Face Powder, Perfume, Eau de Cologne, Toilet Water, Lip Stick, and Rouge.
Claims use since about Jan. 1, 1920.

Ser. No. 205,469. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Nov. 18, 1924.



Particular description of goods.—Toilet Preparations—viz, Face Powder, Perfume, Eau de Cologne, Toilet Water, Lip Stick, and Rouge.
Claims use since about Jan. 1, 1920.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 23, 1924.

193,165. CANDY. PALMER CANDY CO., Sioux City, Iowa.
Filed May 2, 1921. Serial No. 147,121. PUBLISHED SEPTEMBER 30, 1924.

193,166. PHONOGRAPHS. ROSA MESH, doing business as Mesh Singing Machine Company, Cincinnati, Ohio.
Filed July 6, 1921. Serial No. 150,075. PUBLISHED SEPTEMBER 30, 1924.

193,167. ELECTRIC LAMPS AND ELECTROLIERS. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed August 27, 1921. Serial No. 152,247. PUBLISHED SEPTEMBER 30, 1924.

193,168. DRIED-FRUIT AND NUT COMBINATION. WILLIAM B. ENGLE, South Pasadena, Calif.
Filed October 3, 1921. Serial No. 153,654. PUBLISHED OCTOBER 14, 1924.

193,169. PLAYER PIANOS. THE AUTOPIANO COMPANY, New York, N. Y.
Filed October 10, 1921. Serial No. 153,910. PUBLISHED OCTOBER 7, 1924.

193,170. WHEAT FLOUR, WHEAT BRAN, WHEAT SHORTS, CORN MEAL, CORN-MEAL GRITS, AND CORN FLOUR. TEXAS STAR FLOUR MILLS, Galveston, Tex., and New York, N. Y.
Filed January 9, 1922. Serial No. 157,699. PUBLISHED SEPTEMBER 30, 1924.

193,171. HAM, BACON, AND SAUSAGE. L. A. FREY & SONS, INC., New Orleans, La.
Filed May 26, 1922. Serial No. 164,537. PUBLISHED OCTOBER 14, 1924.

193,172. ELECTRIC COOKING STOVES, RANGES, AND COOKERS; ELECTRICAL AIR HEATERS, ELECTRICAL WATER HEATERS, ELECTRIC MOTORS. WESTGATE METAL PRODUCTS CO., Oakland, Calif.
Filed February 24, 1923. Serial No. 176,587. PUBLISHED OCTOBER 7, 1924.

193,173. JEWELRY CONSISTING OF PENDANTS, WATCH FOBS, STICK PINS, BROOCHES, AND CHARMS HAVING A CROSS-SHAPED STONE THEREIN. PATRICK COUNTY VIRGINIA FAIRY STONE CO. INC., Richmond, Va.
Filed March 21, 1923. Serial No. 177,799. PUBLISHED SEPTEMBER 2, 1924.

193,174. WHEAT CEREAL. OLD FASHIONED MILLERS, INC., St. Paul, Minn.
Filed April 28, 1923. Serial No. 170,881. PUBLISHED OCTOBER 7, 1924.

193,175. PERFORATED ROLLS FOR PLAYER PIANOS OR SIMILAR MUSICAL INSTRUMENTS. SOCIEDAD ANONIMA "E. R. A.," Madrid, Spain.
Filed June 14, 1923. Serial No. 182,017. PUBLISHED SEPTEMBER 30, 1924.

193,176. WATCHES. DEPOLIER WATCH COMPANY, INC., Brooklyn, N. Y.
Filed June 25, 1923. Serial No. 182,402. PUBLISHED OCTOBER 7, 1924.

193,177. STOCKINGS, HOSIERY, UNDERWEAR, SANDALS, BOOTS, SHOES, INSOLES, HEELS FOR BOOTS AND SHOES, HATS, CAPS, LEGGINGS, CORSETS, AND NECKTIES. ALLARD & Co., Buenos Aires, Argentina.
Filed June 29, 1923. Serial No. 182,557. PUBLISHED OCTOBER 7, 1924.

193,178. BREAD. WALLACE M. ROGERSON, Chicago, Ill.
Filed July 2, 1923. Serial No. 182,720. PUBLISHED OCTOBER 14, 1924.

193,179. RADIO EQUIPMENT, COMPRISING RECEIVING SETS AND PARTS, THEREOF. ELECTRAD CORPORATION OF AMERICA, New York, N. Y.
Filed July 6, 1923. Serial No. 182,852. PUBLISHED OCTOBER 7, 1924.

193,180. CERTAIN ARTICLES OF JEWELRY. MORRIS S. ROSENBERG, New York, N. Y.
Filed August 8, 1923. Serial No. 184,215. PUBLISHED SEPTEMBER 2, 1924.

193,181. CLOTHES OR LAUNDRY WASHING MACHINES. WELLS H. PRESS COMPANY, INC., Streator, Ill.
Filed September 14, 1923. Serial No. 185,794. PUBLISHED SEPTEMBER 30, 1924.

193,182. GOLD AND SILVER PLATED TABLEWARE, HOLLOW WARE, AND METAL-PLATED ARTICLES. THE WEIDLICH BRO'S. MFG. CO., Bridgeport, Conn.
Filed October 31, 1923. Serial No. 187,785. PUBLISHED JULY 22, 1924.

193,183. TOPCOATS AND RAINCOATS. H. & L. ERSTEIN INC., St. Louis, Mo.
Filed November 22, 1923. Serial No. 188,671. PUBLISHED OCTOBER 7, 1924.

193,184. PHONOGRAPH APPARATUS AND ACCESSORIES THEREFOR. COLUMBIA PHONOGRAPH COMPANY, Bridgeport, Conn.
Filed December 6, 1923. Serial No. 189,302. PUBLISHED OCTOBER 14, 1924.

193,185. DRIED RAISINS AND DRIED FRUIT. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed August 7, 1924. Serial No. 201,110. PUBLISHED OCTOBER 14, 1924.

193,186. PIANOS, PLAYER PIANOS, ELECTRICALLY-OPERATED PIANOS, PHONOGRAPHS, MUSIC ROLLS, AND PHONOGRAPH RECORDS. VERDI & ROSSINI MUSIC HOUSE, New York, N. Y.
Filed August 8, 1924. Serial No. 201,165. PUBLISHED OCTOBER 7, 1924.

193,187. WIND INSTRUMENTS AND MORE PARTICULARLY SAXOPHONES. THE H. N. WHITE COMPANY, Cleveland, Ohio.
Filed August 8, 1924. Serial No. 201,168. PUBLISHED OCTOBER 7, 1924.

193,188. CEREAL FOODS, SPECIFICALLY HEALTH BRAN, FARINA, PANCAKE FLOUR (A MIXTURE OF WHEAT, CORN, RICE, AND RYE FLOURS), BUCKWHEAT PANCAKE FLOUR (A MIXTURE OF BUCKWHEAT, WHEAT, AND CORN FLOURS), PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed August 9, 1924. Serial No. 201,205. PUBLISHED OCTOBER 14, 1924.

193,189. REPRODUCING UPRIGHT AND GRAND PIANOS. M. SCHULZ COMPANY, Chicago, Ill.
Filed August 9, 1924. Serial No. 201,212. PUBLISHED OCTOBER 7, 1924.

193,190. WHEAT FLOUR. NORTH PLATTE FLOUR MILLS, North Platte, Nebr.
Filed August 11, 1924. Serial No. 201,252. PUBLISHED OCTOBER 14, 1924.

- 193,191. ACCORDIONS. C. BRUNO & SON, INC., New York, N. Y.
Filed August 13, 1924. Serial No. 201,325. PUBLISHED OCTOBER 7, 1924.
- 193,192. VARNISH STAIN. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed August 13, 1924. Serial No. 201,352. PUBLISHED OCTOBER 14, 1924.
- 193,193. PAINT AND VARNISH REMOVERS. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed August 13, 1924. Serial No. 201,353. PUBLISHED OCTOBER 14, 1924.
- 193,194. BUTTER. T. M. SINCLAIR & CO., LTD., Cedar Rapids, Iowa.
Filed August 13, 1924. Serial No. 201,379. PUBLISHED SEPTEMBER 30, 1924.
- 193,195. BUTTER. AMERICAN BUTTER AND CHEESE COMPANY, Detroit, Mich.
Filed August 15, 1924. Serial No. 201,423. PUBLISHED OCTOBER 14, 1924.
- 193,196. MEN'S CRAVATS. THE HUT NECKWEAR COMPANY, INC., New York, N. Y.
Filed Aug. 15, 1924. Serial No. 201,450. PUBLISHED OCTOBER 7, 1924.
- 193,197. LIVESTOCK AND DAIRY FEEDS. SUNNY SOUTH GRAIN COMPANY, Birmingham, Ala.
Filed August 15, 1924. Serial No. 201,472. PUBLISHED OCTOBER 7, 1924.
- 193,198. WOOLEN PIECE GOODS. FORSTMANN & HUEFFMANN COMPANY, Passaic, N. J.
Filed August 16, 1924. Serial No. 201,494. PUBLISHED OCTOBER 14, 1924.
- 193,199. WOOLEN PIECE GOODS. FORSTMANN & HUEFFMANN COMPANY, Passaic, N. J.
Filed August 16, 1924. Serial No. 201,495. PUBLISHED OCTOBER 14, 1924.
- 193,200. BUTTER, EGGS, CHEESE, AND OLIVE OIL. SHEAFFER & MARVEL, Philadelphia, Pa.
Filed August 16, 1924. Serial No. 201,513. PUBLISHED OCTOBER 14, 1924.
- 193,201. TALKING-MACHINE RECORDS. WHIKAN CORPORATION, Philadelphia, Pa.
Filed August 21, 1924. Serial No. 201,727. PUBLISHED OCTOBER 7, 1924.
- 193,202. CANNED FRUITS. SCHUCKL & CO., INC., San Francisco, Calif.
Filed August 29, 1924. Serial No. 202,036. PUBLISHED OCTOBER 14, 1924.
- 193,203. PRESERVED FRUITS—NAMESLY, ORANGE PRESERVES. NEQUETTE ORANGE CIRCLE CO., Arlington, Calif.
Filed August 30, 1924. Serial No. 202,075. PUBLISHED OCTOBER 14, 1924.
- 193,204. FRESH CITRUS FRUITS—NAMESLY, ORANGES. RED FOX ORCHARDS, Orange, Calif.
Filed September 2, 1924. Serial No. 202,143. PUBLISHED OCTOBER 14, 1924.
- 193,205. COFFEE. THE F. S. AINSA CO. INC., El Paso, Tex.
Filed September 4, 1924. Serial No. 202,193. PUBLISHED OCTOBER 14, 1924.
- 193,206. WATCHCASES, WATCHES, AND PARTS THEREOF. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed July 31, 1924. Serial No. 200,761. PUBLISHED SEPTEMBER 30, 1924.
- 193,207. SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.
Filed July 31, 1924. Serial No. 200,787. PUBLISHED OCTOBER 14, 1924.
- 193,208. EGGS. LEWIS, MEARS COMPANY, Boston, Mass.
Filed August 1, 1924. Serial No. 200,823. PUBLISHED OCTOBER 7, 1924.
- 193,209. ANTENNA WIRE. COLONIAL BRASS COMPANY, Middleboro, Mass.
Filed August 2, 1924. Serial No. 200,863. PUBLISHED OCTOBER 7, 1924.
- 193,210. EGG MASH AND HEN SCRATCH FEEDS. THE R. B. LILES GRAIN COMPANY, Colorado Springs, Colo.
Filed August 2, 1924. Serial No. 200,885. PUBLISHED OCTOBER 7, 1924.
- 193,211. FINGER RINGS. JASON WEILER & SONS, Boston, Mass.
Filed August 2, 1924. Serial No. 200,914. PUBLISHED OCTOBER 7, 1924.
- 193,212. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,937. PUBLISHED OCTOBER 7, 1924.
- 193,213. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,938. PUBLISHED OCTOBER 7, 1924.
- 193,214. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,939. PUBLISHED OCTOBER 7, 1924.
- 193,215. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,940. PUBLISHED OCTOBER 7, 1924.
- 193,216. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,941. PUBLISHED OCTOBER 7, 1924.
- 193,217. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,942. PUBLISHED OCTOBER 7, 1924.
- 193,218. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,943. PUBLISHED OCTOBER 7, 1924.
- 193,219. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,944. PUBLISHED OCTOBER 7, 1924.
- 193,220. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed August 4, 1924. Serial No. 200,945. PUBLISHED OCTOBER 7, 1924.
- 193,221. PHONOGRAPH RECORDS AND BOOKS THEREFOR. PLAZA MUSIC CO., New York, N. Y.
Filed August 4, 1924. Serial No. 200,960. PUBLISHED OCTOBER 7, 1924.
- 193,222. BABY CHICKS. THE KRAMER HATCHERY COMPANY, Fairmont, Minn.
Filed August 5, 1924. Serial No. 200,992. PUBLISHED OCTOBER 4, 1924.
- 193,223. CANDY. LEROY WINTHROP LUCE, Vineyard Haven, Mass.
Filed August 5, 1924. Serial No. 201,003. PUBLISHED OCTOBER 14, 1924.
- 193,224. HAMS. THE SMITHFIELD COMPANY, INC., Smithfield, Va.
Filed August 6, 1924. Serial No. 201,051. PUBLISHED OCTOBER 14, 1924.
- 193,225. RADIO ANTENNA. HOPE WEBBER COMPANY, Pawtucket and Providence, R. I.
Filed August 7, 1924. Serial No. 201,055. PUBLISHED OCTOBER 14, 1924.
- 193,226. WEDDING RINGS. ALFRED HUMBERT & SON, Philadelphia, Pa.
Filed December 15, 1923. Serial No. 189,721. PUBLISHED JUNE 3, 1924.

- 193,227. WEDDING RINGS. ALFRED HUMBERT & SON, Philadelphia, Pa.
Filed December 15, 1923. Serial No. 189,722. PUBLISHED JUNE 3, 1924.
- 193,228. STOCK FEED. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed January 21, 1924. Serial No. 191,109. PUBLISHED OCTOBER 14, 1924.
- 193,229. CLOTHING FOR MEN, WOMEN, AND CHILDREN. CHS. LAY & CO., Hamburg, Germany.
Filed January 26, 1924. Serial No. 191,326. PUBLISHED OCTOBER 7, 1924.
- 193,230. PHONOGRAPH RECORDS. SARKIS SARAFIAN, doing business as Sarafian Sahag Record Co., New York, N. Y.
Filed January 31, 1924. Serial No. 191,575. PUBLISHED SEPTEMBER 2, 1924.
- 193,231. CLOTHING FOR MEN, WOMEN, AND CHILDREN. CHS. LAY & CO., Hamburg, Germany.
Filed February 1, 1924. Serial No. 191,631. PUBLISHED OCTOBER 7, 1924.
- 193,232. NUTS—NAMESLY, SALTED NUTS, CANDIED NUTS, AND NUT MEAT. BETTMAN NUT CO., INC., New York, N. Y.
Filed February 9, 1924. Serial No. 192,061. PUBLISHED OCTOBER 14, 1924.
- 193,233. WOMEN'S SKIRTS AND DRESSES. RIBNER & WACHS, Philadelphia, Pa.
Filed February 9, 1924. Serial No. 192,087. PUBLISHED OCTOBER 7, 1924.
- 193,234. CORSETS, CORSETTOS, COMBINETTES, AND BRASSIERES. THE M & P CORSET CO., Derby, Conn.
Filed February 16, 1924. Serial No. 192,405. PUBLISHED SEPTEMBER 16, 1924.
- 193,235. CANNED FRUITS. OLYMPIA CANNING COMPANY, Olympia, Wash.
Filed February 16, 1924. Serial No. 192,417. PUBLISHED OCTOBER 14, 1924.
- 193,236. CANNED SHRIMP AND OYSTERS. ATLANTIC SEA PRODUCTS CO., Brunswick, Ga.
Filed February 21, 1924. Serial No. 192,592. PUBLISHED OCTOBER 14, 1924.
- 193,237. MEN'S SERGE SUITS. BEST OF ALL COMPANY, Philadelphia, Pa.
Filed February 25, 1924. Serial No. 192,753. PUBLISHED OCTOBER 7, 1924.
- 193,238. HOSIERY, SWEATERS, KNITTED AND TEXTILE-FABRIC UNDERWEAR FOR MEN; DRESS, WORK, AND NEGLIGEE SHIRTS; PYJAMAS, NECKTIES, SCARFS, AND CRAVAT NECKWEAR, SUSPENDERS, AND GARTERS. BUDD & VOTAW, San Francisco, Calif.
Filed March 4, 1924. Serial No. 193,212. PUBLISHED OCTOBER 7, 1924.
- 193,239. MAGNETON, MAGNETO POST CAPS, ELECTRICAL LAMPS, SPARK PLUGS, ELECTRICAL DISTRIBUTORS, ELECTRICAL SIGNAL HORNS AND STOP LIGHTS, ELECTRICAL SWITCHES, ELECTRICAL WIRE, AND MOTOR VEHICLE ELECTRICAL EQUIPMENT—NAMESLY, ELECTRIC STARTERS, ELECTRIC GENERATORS, ELECTRIC COILS, AND BATTERIES. H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex.
Filed March 4, 1924. Serial No. 193,223. PUBLISHED OCTOBER 7, 1924.
- 193,240. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, AND CANNED FISH. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed March 13, 1924. Serial No. 193,709. PUBLISHED OCTOBER 14, 1924.
- 193,241. LADIES' CLOAKS, COATS, SUITS, DRESSES, AND SKIRTS. E. J. WILE AND COMPANY, New York, N. Y.
Filed March 19, 1924. Serial No. 194,093. PUBLISHED OCTOBER 7, 1924.
- 193,242. CLOTHES-IRONING CALENDERS. THE WILLEY CO., INC., Philadelphia, Pa.
Filed March 31, 1924. Serial No. 194,762. PUBLISHED SEPTEMBER 2, 1924.
- 193,243. OUTER WEAR FOR WOMEN—VIZ. DRESSES, COATS, AND SUITS. SEMMEL & FRIEDLAENDER INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,952. PUBLISHED OCTOBER 7, 1924.
- 193,244. CIDER, GINGER ALE, GRAPE JUICE, AND ROOT BEER. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed April 9, 1924. Serial No. 195,251. PUBLISHED OCTOBER 14, 1924.
- 193,245. BATTERIES. AUTOMOTIVE ELECTRIC SERVICE CORPORATION, New York, N. Y.
Filed April 15, 1924. Serial No. 195,566. PUBLISHED SEPTEMBER 2, 1924.
- 193,246. WHEAT PRODUCTS—NAMESLY, WHEAT FLOUR. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak.
Filed April 15, 1924. Serial No. 195,590. PUBLISHED OCTOBER 14, 1924.
- 193,247. GOLD-PLATED COLLAR BUTTONS. S. B. LAVICK CO., Chicago, Ill.
Filed April 17, 1924. Serial No. 195,696. PUBLISHED SEPTEMBER 2, 1924.
- 193,248. WASH DRESSES, APRONS, AND HOUSE DRESSES. THE L. N. GROSS COMPANY, Cleveland, Ohio.
Filed April 28, 1924. Serial No. 196,243. PUBLISHED OCTOBER 7, 1924.
- 193,249. CRANBERRY SAUCE AND CRANBERRY JELLY. AMERICAN CRANBERRY EXCHANGE, INCORPORATED, New York, N. Y.
Filed May 5, 1924. Serial No. 196,564. PUBLISHED OCTOBER 14, 1924.
- 193,250. WORK CLOTHING—NAMESLY, OVERALLS, COATS, PANTS, AND SHIRTS. COOKEVILLE OVERALL MANUFACTURING COMPANY, INCORPORATED, Cookeville, Tenn.
Filed July 14, 1924. Serial No. 199,975. PUBLISHED OCTOBER 7, 1924.
- 193,251. ELECTRIC BATTERIES. THE TWIS DRY CELL BATTERY COMPANY, Cleveland, Ohio.
Filed July 14, 1924. Serial No. 200,022. PUBLISHED SEPTEMBER 23, 1924.
- 193,252. CAPACITY BRIDGES, MIDGET CONDENSERS, AND BY-PASS CONDENSERS. ISADOR LONDON, doing business as Halcyon Insulator Company, New York, N. Y.
Filed July 16, 1924. Serial No. 200,108. PUBLISHED SEPTEMBER 23, 1924.
- 193,253. WOMEN'S, MISSES', AND CHILDREN'S SPORT APPAREL—NAMESLY, COATS, SUITS, DRESSES, BLOUSES, FROCKS, WRAPS, KNICKERS, SWEATERS, RIDING HABITS, BATHING SUITS, SPORT SCARFS, SPORT HATS AND CAPES, AND SHAWLS. LEIBLER-GOLDSMITH CO., INC., New York, N. Y.
Filed July 15, 1924. Serial No. 200,049. PUBLISHED OCTOBER 7, 1924.
- 193,254. AUTOMOBILE DOME LIGHTS AND CORNER LIGHTS. TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich.
Filed July 17, 1924. Serial No. 200,162. PUBLISHED OCTOBER 7, 1924.

- 193,255. PANTS, OVERALLS, AND COATS. ALEX WINER, doing business as The Bee Line Manufacturing Company, Veedersburg, Ind. Filed July 17, 1924. Serial No. 200,163. PUBLISHED OCTOBER 7, 1924.
- 193,256. RADIO RECEIVING SETS AND PARTS THEREFOR. ANDREWS RADIO COMPANY, Chicago, Ill. Filed July 18, 1924. Serial No. 200,176. PUBLISHED SEPTEMBER 23, 1924.
- 193,257. ELECTRIC-LIGHTING FIXTURES AND PARTS THEREOF. GLOBE LIGHTING FIXTURE MFG. COMPANY, New York, N. Y. Filed July 19, 1924. Serial No. 200,252. PUBLISHED SEPTEMBER 23, 1924.
- 193,258. SPARK PLUGS. GEORGE E. BANGHART, doing business as The Highway Auto Accessories Co., Ballston, Va. Filed July 21, 1924. Serial No. 200,305. PUBLISHED OCTOBER 7, 1924.
- 193,259. MEN'S SUITS AND OVERCOATS. CHAS. H. LERMAN & BRO., Philadelphia, Pa. Filed July 22, 1924. Serial No. 200,362. PUBLISHED OCTOBER 7, 1924.
- 193,260. FRESH CITRIOUS FRUITS—NAMES, ORANGES, GRAPEFRUIT, AND LEMONS. EDISON ORANGE GROWERS ASSOCIATION, Edison, Calif. Filed July 23, 1924. Serial No. 200,386. PUBLISHED OCTOBER 14, 1924.
- 193,261. MATERIAL USED IN MAKING PIES. CLAIRE H. BURROWS, doing business as Grandma's Pie Crust Co., Hollywood, Los Angeles, Calif. Filed July 24, 1924. Serial No. 200,431. PUBLISHED OCTOBER 14, 1924.
- 193,262. CARBON PAPERS. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed July 24, 1924. Serial No. 200,457. PUBLISHED SEPTEMBER 30, 1924.
- 193,263. DRIED-STARCH MIXTURE FOR BAKING PURPOSES. CARL FELDHAUSEN, Boise, Idaho. Filed July 25, 1924. Serial No. 200,484. PUBLISHED OCTOBER 7, 1924.
- 193,264. STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. GOLL-EVANS CO., INC., New York, N. Y. Filed July 25, 1924. Serial No. 200,491. PUBLISHED SEPTEMBER 30, 1924.
- 193,265. PICKLED PIGS' FEET. E. K. POND COMPANY, Chicago, Ill. Filed July 25, 1924. Serial No. 200,521. PUBLISHED OCTOBER 14, 1924.
- 193,266. CLOCKS. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed July 26, 1924. Serial No. 200,560. PUBLISHED SEPTEMBER 30, 1924.
- 193,267. TRANSFORMERS. KILLARK ELEC. MFG. CO., St. Louis, Mo. Filed July 26, 1924. Serial No. 200,561. PUBLISHED SEPTEMBER 30, 1924.
- 193,268. MILK, CREAM, AND LIQUID PREPARATIONS OF MILK WITH CHOCOLATE. RENOUT RUSSELL, Keene, N. H. Filed July 28, 1924. Serial No. 200,644. PUBLISHED OCTOBER 7, 1924.
- 193,269. ELECTRIC CLOTHES WASHERS. CONLON CORPORATION, Cicero, Ill. Filed July 31, 1924. Serial No. 200,750. PUBLISHED SEPTEMBER 30, 1924.
- 193,270. COFFEE. THE GOYER COMPANY, Greenville, Miss. Filed May 10, 1924. Serial No. 196,864. PUBLISHED OCTOBER 14, 1924.

- 193,271. CANNED FRUITS AND CANNED VEGETABLES. OLNEY & FLOYD, Westernville, N. Y. Filed May 17, 1924. Serial No. 197,216. PUBLISHED OCTOBER 14, 1924.
- 193,272. FINGER RINGS, ORNAMENTAL PINS, ORNAMENTAL BUTTONS MADE OF OR PLATED WITH PRECIOUS METAL; BADGES, EMBLEMS, AND MEDALS MADE OF OR PLATED WITH PRECIOUS METAL, CHARMS, FOBS, AND EARRINGS. THE CRAFT COMPANY, Indianapolis, Ind. Filed May 29, 1924. Serial No. 197,802. PUBLISHED OCTOBER 14, 1924.
- 193,273. RADIO APPARATUS—NAMES, CONDENSERS, SOCKETS, PLUGS, JACKS, CURRENT-CONTROL RHEOSTATS, RELAYS, DIALS, SWITCHES, AND TERMINALS. DUPLEX ENGINE GOVERNOR COMPANY, INC., New York, N. Y. Filed May 29, 1924. Serial No. 197,804. PUBLISHED OCTOBER 7, 1924.
- 193,274. ELECTRIC CIGAR LIGHTERS. THE CONNECTICUT AUTOMOTIVE SPECIALTIES CO., Bridgeport, Conn. Filed May 31, 1924. Serial No. 197,855. PUBLISHED SEPTEMBER 2, 1924.
- 193,275. CANDY. THE FOLLY TOWN COMPANY, Chicago, Ill. Filed June 11, 1924. Serial No. 198,405. PUBLISHED OCTOBER 14, 1924.
- 193,276. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. MIMO WATCH CO., doing business as Manufacture Internationale Montres Or, Graef et Cie., and Fabrique MIMO, La Chaux-de-Fonds, Switzerland. Filed June 11, 1924. Serial No. 198,418. PUBLISHED SEPTEMBER 2, 1924.
- 193,277. MEN'S, BOYS', AND CHILDREN'S COATS AND SUITS. M. AMDUR & SON, New York, N. Y. Filed June 13, 1924. Serial No. 198,495. PUBLISHED SEPTEMBER 30, 1924.
- 193,278. RAW AND SALTED NUTS. THE DATTON NUT PRODUCTS COMPANY, Dayton, Ohio. Filed June 13, 1924. Serial No. 198,508. PUBLISHED OCTOBER 14, 1924.
- 193,279. UNDERWEAR—NAMES, BLOOMERS, COMBINATIONS, DRAWERS, AND PRINCESS SLIPS, ALL OF KNITTED AND TEXTILE FABRICS, FOR WOMEN AND CHILDREN. KUNIN-SOLOMON, INC., New York, N. Y. Filed June 13, 1924. Serial No. 198,528. PUBLISHED SEPTEMBER 30, 1924.
- 193,280. CANNED VEGETABLES. O. W. CUYLER, doing business as The Cuyler Packing Corporation, Modeltown, N. Y. Filed June 16, 1924. Serial No. 198,624. PUBLISHED AUGUST 5, 1924.
- 193,281. CANNED VEGETABLES AND CANNED FRUITS. THE CUYLER PACKING CORPORATION, Modeltown, N. Y. Filed June 16, 1924. Serial No. 198,625. PUBLISHED AUGUST 5, 1924.
- 193,282. CANNED VEGETABLES. THE W. H. KILLIAN CO., Baltimore, Md. Filed June 19, 1924. Serial No. 198,805. PUBLISHED SEPTEMBER 23, 1924.
- 193,283. INDUCTION COILS. JOSEPH TILLOT SATELLS, doing business as Uncle Sam Electric Company, Plainfield, N. J. Filed June 20, 1924. Serial No. 198,887. PUBLISHED SEPTEMBER 2, 1924.
- 193,284. INDUCTION COILS. JOSEPH TILLOT SATELLS, doing business as Ambassador Sales Company, New York, N. Y. Filed June 20, 1924. Serial No. 198,888. PUBLISHED SEPTEMBER 2, 1924.

- 193,285. ELECTRICAL HEATING APPARATUS—NAMES, ELECTRICAL HEATERS, CONTINUOUS RIBBON HEATERS, ELECTRIC HEAT CONTROLLERS, ELECTRIC ENAMELING AND JAPANNING OVENS, AND ELECTRIC ENAMEL-REMOVING OVENS. C. M. S., INC., Tarrytown, N. Y. Filed June 23, 1924. Serial No. 198,986. PUBLISHED SEPTEMBER 30, 1924.
- 193,286. MEN'S, BOYS', AND CHILDREN'S COATS AND SUITS. M. AMDUR & SON, New York, N. Y. Filed June 24, 1924. Serial No. 199,029. PUBLISHED SEPTEMBER 30, 1924.
- 193,287. HOSE AND HALF HOSE. LOUISA MARY GOLDIE, doing business as Goldie, Wade & Goldie, Mansfield, England. Filed June 25, 1924. Serial No. 199,111. PUBLISHED SEPTEMBER 30, 1924.
- 193,288. BANJOS. C. BRUNO & SON, INC., New York, N. Y. Filed June 26, 1924. Serial No. 199,147. PUBLISHED OCTOBER 7, 1924.
- 193,289. RESISTANCES FOR CURRENT-CONTROL PURPOSES FOR RADIO RECEIVING AND OTHER CIRCUITS, INCLUDING COUPLING RESISTANCES AND GRID-LEAK RESISTANCES. DANZIGER-JONES, INC., New York, N. Y. Filed June 26, 1924. Serial No. 199,153. PUBLISHED SEPTEMBER 30, 1924.
- 193,290. HOSIERY. S. SHAPINSKY & COMPANY, Louisville, Ky. Filed June 26, 1924. Serial No. 199,189. PUBLISHED SEPTEMBER 30, 1924.
- 193,291. PINS, EMBLEMS, BUCKLES, AND CLASPS MADE OF OR PLATED WITH PRECIOUS METAL, FINGER RINGS, BRACELETS, CUFF BUTTONS, LOCKETS, BIB HOLDERS, PENDANTS, CHARMS, AND FOBS. HAROLD W. MUNRO, Providence, R. I. Filed June 28, 1924. Serial No. 199,289. PUBLISHED SEPTEMBER 30, 1924.
- 193,292. VACUUM TUBES. THE MAGNAVOX CO., Oakland, Calif. Filed June 30, 1924. Serial No. 199,365. PUBLISHED SEPTEMBER 2, 1924.
- 193,293. VACUUM TUBES. THE MAGNAVOX CO., Oakland, Calif. Filed June 30, 1924. Serial No. 199,366. PUBLISHED SEPTEMBER 2, 1924.
- 193,294. UNDERHOSE. "ONTY" HOSIERY INC., New York, N. Y. Filed July 3, 1924. Serial No. 199,568. PUBLISHED SEPTEMBER 30, 1924.
- 193,295. HOSIERY. RUFUS W. SCOTT COMPANY, New York, N. Y. Filed July 3, 1924. Serial No. 199,575. PUBLISHED SEPTEMBER 30, 1924.
- 193,296. KNITTED UNDERWEAR, BLOUSES, BATHING SUITS, DRESSES, COATS, SUITS, HOSIERY, AND SWEATERS. FAMOUS TEXTILE CO., INC., New York, N. Y. Filed July 5, 1924. Serial No. 199,614. PUBLISHED OCTOBER 7, 1924.
- 193,297. ELECTRIC FIXTURES—NAMES, CHANDELIERS, WALL BRACKETS, TABLE LAMPS, LANTERNS, BOUDOIR LAMPS, FLOOR LAMPS, ELECTROLIERS, ILLUMINATORS, CEILING LIGHTS, PENDANT LIGHTS, SHOWER LIGHTS, DIRECT, INDIRECT, AND SEMIDIRECT LIGHTS. INCANDESCENT SUPPLY COMPANY, New York, N. Y. Filed July 5, 1924. Serial No. 199,625. PUBLISHED SEPTEMBER 2, 1924.
- 193,298. SWIMMING SUITS. JANTZEN KNITTING MILLS, Portland, Oreg. Filed July 5, 1924. Serial No. 199,628. PUBLISHED SEPTEMBER 30, 1924.

- 193,299. OINTMENT FOR USE IN TREATING SKIN DISEASES. MORRIS H. LUTHER, Cincinnati, Ohio. Filed July 5, 1924. Serial No. 199,635. PUBLISHED SEPTEMBER 2, 1924.
- 193,300. CLOTHING—VIZ, UNDERWEAR MANUFACTURED FROM TEXTILE FABRICS, DRESS, NEG-LIGEE, AND WORK SHIRTS, AND PYJAMAS. OPPENHEIM, OBERNDORF & CO., INC., doing business as The Sealpax Company, Baltimore, Md. Filed July 5, 1924. Serial No. 199,644. PUBLISHED OCTOBER 7, 1924.
- 193,301. MEN'S DRESS PANTS AND TROUSERS. JACOBSON BROTHERS, Pittsburgh, Pa. Filed July 7, 1924. Serial No. 199,702. PUBLISHED OCTOBER 7, 1924.
- 193,302. RINGS, CUFF LINKS, CHAINS, BELT BUCKLES, BRACELETS, AND PINS WHICH ARE MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. ALLSOPP BROTHERS, Newark, N. J. Filed July 8, 1924. Serial No. 199,739. PUBLISHED SEPTEMBER 30, 1924.
- 193,303. HAY, POULTRY AND LIVESTOCK FEEDS; CEREALS—NAMES, CRACKED WHEAT, FARINA, ROLLED WHEAT, BRAN, AND ROLLED OATS, WHITE AND YELLOW CORN MEAL; FAMILY AND BAKERS' FLOUR—NAMES, CAKE, PASTRY, AND HOT-CAKE FLOUR, WHOLE-WHEAT, GRAHAM, AND SELF-RISING FLOUR. NICHOLLS GRAIN & MILLING CO., Los Angeles, Calif. Filed July 8, 1924. Serial No. 199,758. PUBLISHED SEPTEMBER 30, 1924.
- 193,304. MUFFLERS. WEISS & ZAHLER, New York, N. Y. Filed July 9, 1924. Serial No. 199,813. PUBLISHED OCTOBER 7, 1924.
- 193,305. TRANSFORMERS, RADIO RECEIVING AND SENDING SETS, AMPLIFIERS, RHEOSTATS, VARIOMETERS, VARIOCOUPERS, AND WAVE TRAPS. PEERLESS RADIO CORPORATION, Wellesley and Newton Lower Falls, Mass. Filed July 11, 1924. Serial No. 199,899. PUBLISHED SEPTEMBER 2, 1924.
- 193,306. FOUNTAIN SIRUPS AND CARBONATED AND UNCARBONATED DRINKS. FRANCIS J. DICKINSON, doing business as F. J. Dickinson & Sons, Freeport, Ill. Filed September 2, 1924. Serial No. 202,100. PUBLISHED OCTOBER 14, 1924.
- 193,307. CARBONATED, MALTLESS, NONALCOHOLIC BEVERAGES AND SIRUPS FOR MAKING SAME. MARIA BALDI, doing business as The Lawrence Baldi Co., Laconia, N. H. Filed September 2, 1924. Serial No. 202,092. PUBLISHED OCTOBER 14, 1924.
- 193,308. BROOMS. MERKLE BROOM CO., Paris, Ill. Filed August 28, 1924. Serial No. 201,994. PUBLISHED OCTOBER 14, 1924.
- 193,309. CARBONATED, MALTLESS, NONALCOHOLIC BEVERAGE AND SIRUPS FOR MAKING THE SAME. THE PEP-TONE CORPORATION OF AMERICA, Tampa, Fla. Filed August 21, 1924. Serial No. 201,714. PUBLISHED OCTOBER 14, 1924.
- 193,310. NONALCOHOLIC, MALTLESS BEVERAGES, CARBONATED BEVERAGES, FOUNTAIN SIRUPS, BOTTLERS' SIRUPS, BOTTLERS' EXTRACTS, NATURAL OR DISTILLED DRINKING WATER, CARBONATED WATER. COCA COLA BOTTLING COMPANY OF LOS ANGELES, Los Angeles, Calif. Filed August 18, 1924. Serial No. 201,543. PUBLISHED OCTOBER 14, 1924.
- 193,311. SHIPPING CONTAINER. VICTOR L. KRAN-NERT, doing business as Mallard Products Company, Anderson, Ind. Filed August 15, 1924. Serial No. 201,456. PUBLISHED OCTOBER 14, 1924.

193,312. GARBAGE CANS. KAUSTINE COMPANY, INC., Buffalo, N. Y.
Filed August 13, 1924. Serial No. 201,349. PUBLISHED OCTOBER 14, 1924.

193,313. TOY BLOCKS. STROMBECK-BECKER MANUFACTURING COMPANY, Moline, Ill.
Filed August 1, 1924. Serial No. 200,835. PUBLISHED OCTOBER 14, 1924.

193,314. BIRCH BEER, CREAM SODA, LEMON SODA, STRAWBERRY SODA, ROOT BEER, SARSAPARILLA, AND GINGER ALE. JOSEPH KLEIN, Jr., doing business as Oriental Bottling Works, Harrison, N. Y.
Filed July 28, 1924. Serial No. 200,625. PUBLISHED OCTOBER 14, 1924.

193,315. AERATED DISTILLED WATER FOR DRINKING PURPOSES AND DISTILLED WATER FOR ELECTRIC STORAGE BATTERIES. JOSEPH KLEIN, Jr., doing business as Oriental Bottling Works, Harrison, N. Y.
Filed July 28, 1924. Serial No. 200,624. PUBLISHED OCTOBER 14, 1924.

193,316. BIRCH BEER, CREAM SODA, LEMON SODA, ROOT BEER, SARSAPARILLA, AND GINGER ALE. JOSEPH KLEIN, Jr., doing business as Oriental Bottling Works, Harrison, N. Y.
Filed July 28, 1924. Serial No. 200,623. PUBLISHED OCTOBER 14, 1924.

193,317. PARLOR BOARD GAMES. JONATHAN P. GROSVENOR, Watertown, N. Y.
Filed July 23, 1924. Serial No. 200,392. PUBLISHED OCTOBER 14, 1924.

193,318. HAIRBRUSHES, TOOTHBRUSHES, AND CLOTHES BRUSHES. STANDARD PYROXOLOID CORPORATION, Leominster, Mass.
Filed July 19, 1924. Serial No. 200,291. PUBLISHED OCTOBER 14, 1924.

193,319. CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO. ROBERT MCDANIEL, Los Angeles, Calif.
Filed July 19, 1924. Serial No. 200,270. PUBLISHED OCTOBER 14, 1924.

193,320. FISHLINES. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed July 9, 1924. Serial No. 199,807. PUBLISHED OCTOBER 14, 1924.

193,321. WINDSHIELD CLEANERS. SQUEEGEE TYPE. INTERNATIONAL AUTO EQUIPMENT CO. INC., Brooklyn, N. Y.
Filed July 5, 1924. Serial No. 199,627. PUBLISHED OCTOBER 14, 1924.

193,322. FOOTBALL COVERS. JAREZ CLIFF & COMPANY LIMITED, Walsall, England.
Filed July 3, 1924. Serial No. 199,555. PUBLISHED OCTOBER 14, 1924.

193,323. TENNIS-RACKET STRINGS. CALIFORNIA BY-PRODUCTS CO., San Francisco, Calif.
Filed July 2, 1924. Serial No. 199,462. PUBLISHED OCTOBER 14, 1924.

193,324. TENNIS-RACKET STRINGS. CALIFORNIA BY-PRODUCTS CO., San Francisco, Calif.
Filed June 30, 1924. Serial No. 199,346. PUBLISHED OCTOBER 14, 1924.

193,325. ICE AND ROLLER SKATES. JOHN RONDIEK, New York, N. Y.
Filed June 25, 1924. Serial No. 199,129. PUBLISHED OCTOBER 14, 1924.

193,326. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AS FOLLOWS: GINGER ALE AND ROOT BEER. GOODMAN AMERICAN ICE CREAM COMPANY, Chicago Ill.
Filed June 13, 1924. Serial No. 198,519. PUBLISHED OCTOBER 14, 1924.

193,327. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, AND GRAPEFRUIT. GREEN-SPOT CITRUS ASSOCIATION, Mentone, Calif.
Filed June 5, 1924. Serial No. 198,134. PUBLISHED OCTOBER 14, 1924.

193,328. TENNIS, BADMINTON, AND RACKETS FOR ALL GAMES. THE BIRMINGHAM ALUMINUM CASTING (1903) COMPANY LIMITED, Birmingham, England.
Filed May 31, 1924. Serial No. 197,861. PUBLISHED OCTOBER 14, 1924.

193,329. MALT SIRUP. WILLIAM MCGANN, Detroit, Mich.
Filed May 14, 1924. Serial No. 197,035. PUBLISHED OCTOBER 14, 1924.

193,330. DOLLS AND TOYS. GEORGE BORGFELDT & Co., New York, N. Y.
Filed April 30, 1924. Serial No. 196,329. PUBLISHED OCTOBER 14, 1924.

193,331. OINTMENT FOR THE TREATMENT OF ORAL DISEASES. WAYNE R. LESLIE, doing business as The W. L. Roberts Laboratories, Pittsburgh, Pa.
Filed April 9, 1924. Serial No. 195,232. PUBLISHED JUNE 24, 1924.

193,332. GASOLINE EXTRACTED, BLENDED, AND COMPOUNDED. VIKING OIL PRODUCTS COMPANY, Charleston, W. Va.
Filed April 3, 1924. Serial No. 194,962. PUBLISHED OCTOBER 14, 1924.

193,333. DOLLS. AVERILL MANUFACTURING CORPORATION, New York, N. Y.
Filed March 22, 1924. Serial No. 194,243. PUBLISHED OCTOBER 14, 1924.

193,334. WAX CANDLES. COLUMBIA WAX WORKS, Woodhaven, N. Y.
Filed January 30, 1924. Serial No. 191,474. PUBLISHED OCTOBER 14, 1924.

193,335. READY-MIXED PAINTS IN GLOSS, SEMI-GLOSS, AND FLAT FINISH. H. B. DAVIS COMPANY, Baltimore, Md.
Filed January 28, 1924. Serial No. 191,370. PUBLISHED OCTOBER 14, 1924.

193,336. CIGARETTES. BAIT BROTHERS, New York, N. Y.
Filed December 12, 1923. Serial No. 189,549. PUBLISHED OCTOBER 14, 1924.

193,337. TOY MOTOR CYCLES, SCOOTERS, WAGONS, AND CARS. GREAT NORTHERN MANUFACTURING COMPANY, Minneapolis, Minn.
Filed November 26, 1923. Serial No. 188,901. PUBLISHED OCTOBER 14, 1924.

193,338. LUBRICATING OILS AND GREASES. CAPSTONE MANUFACTURING CO., Newark, N. J.
Filed July 25, 1923. Serial No. 183,641. PUBLISHED OCTOBER 14, 1924.

193,339. READY-MIXED PAINTS FOR MARINE AND HOUSE USED FOR INTERIOR AND EXTERIOR SURFACE. ARSENTO PAINT CO. INC., New York, N. Y.
Filed June 6, 1923. Serial No. 181,583. PUBLISHED OCTOBER 14, 1924.

193,340. CHOCOLATE, CHOCOLATE COATING, CHOCOLATE LIQUOR, AND MILK-CHOCOLATE COATINGS AND LIQUORS. PENNSYLVANIA CHOCOLATE COMPANY, Pittsburgh, Pa.
Filed February 18, 1922. Serial No. 159,529. PUBLISHED OCTOBER 14, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

193,341. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JAMES VERNOR COMPANY, Detroit, Mich. Filed Nov. 7, 1924. Serial No. 204,983.

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Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Apr. 14, 1921.

193,342. (CLASS 37. PAPER AND STATIONERY.) EMPIRE PAPER COMPANY, Chicago, Ill. Filed Nov. 4, 1924. Serial No. 204,522.

MERIT BOND

Particular description of goods.—Writing Paper Known in the Trade as Bond Paper.
Claims use since Mar. 1, 1909.

193,343. (CLASS 37. PAPER AND STATIONERY.) EMPIRE PAPER COMPANY, Chicago, Ill. Filed Nov. 4, 1924. Serial No. 204,821.

MERCHANDISE

LEDGER

Particular description of goods.—Writing Paper.
Claims use since October, 1920.

193,344. (CLASS 43. THREAD AND YARN.) THE H. K. H. SILK CO., Watertown, Conn. Filed Oct. 7, 1924. Serial No. 203,518.

**HEMINWAY
SILKS**

Particular description of goods.—Silk Threads and Artificial Silk Threads.
Claims use since Apr. 22, 1921.

193,345. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LEWIS MORRIS, doing business as Home Supply Co., Evansville, Ind. Filed Oct. 3, 1924. Serial No. 203,382.

LAMASCO

Particular description of goods.—Extract Malt and Hops.
Claims use since Feb. 15, 1922.

193,346. (CLASS 32. FURNITURE AND UPHOLSTERY.) FRED WALPERT & Co., Baltimore, Md. Filed Sept. 30, 1924. Serial No. 203,245.

RESILIO

Particular description of goods.—Mattresses.
Claims use since September, 1921.

193,347. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MID-WEST METAL PRODUCTS CO., Muncie, Ind. Filed Sept. 5, 1924. Serial No. 202,258.

FITZ-M-ALL

Particular description of goods.—Outlet-Box Hangers.
Claims use since Mar. 1, 1924.

193,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Aug. 20, 1924. Serial No. 201,641.

HANLON

Particular description of goods.—Cotton Piece Goods.
Claims use since March, 1912.

193,349. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Aug. 20, 1924. Serial No. 201,642.

LEONARD

Particular description of goods.—Cotton Piece Goods.
Claims use since March, 1912.

193,350. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Aug. 20, 1924. Serial No. 201,640.

DECATUR

Particular description of goods.—Cotton Piece Goods.
Claims use since July, 1915.

193,351. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Aug. 20, 1924. Serial No. 201,639.

ARIZONA

Particular description of goods.—Cotton Piece Goods.
Claims use since May, 1919.

193,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK SCHUTE SONS, Philadelphia, Pa. Filed June 9, 1924. Serial No. 198,328.

Ice Cream Kisses

Particular description of goods.—Candy Kisses.
Claims use since June 2, 1921.

193,353. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THOMAS YOUNG INC., New York, N. Y. Filed June 7, 1924. Serial No. 198,275.

Redi Corded

Particular description of goods.—Irish-Linen Scarfs, Table Covers, Napkins, and Dollies.
Claims use since about Nov. 1, 1923.

193,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THOMAS YOUNG INC., New York, N. Y. Filed June 7, 1924. Serial No. 198,274.

Redi-Threaded

Particular description of goods.—Irish-Linen Handkerchief Squares.
Claims use since about Nov. 1, 1923.

193,355. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JANSSEN & PRETZFELD, INC., New York, N. Y. Filed May 1, 1924. Serial No. 196,391.



Particular description of goods.—Silks in the Piece.
Claims use since Nov. 14, 1923.

193,356. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARNOLD ELECTRIC CO., Racine, Wis. Filed Mar. 17, 1924. Serial No. 193,888.

Arnold

Particular description of goods.—Hair Driers, Drink Mixers, Phonograph Motors, Electric Motors, and Fruit-Juice Extractors. All Electrically Operated.
Claims use since about January, 1907.

193,357. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. J. MUSSEHL, doing business as Mussehl & Westphal, Fort Atkinson, Wis. Filed Dec. 13, 1923. Serial No. 189,637.

"The Musical Saw"

Particular description of goods.—Musical Saws.
Claims use since Oct. 1, 1923.

193,358. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923. Serial No. 189,122.

Richmond

Particular description of goods.—Artists' Brushes.
Claims use since May, 1903.

193,359. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AMERICAN PLUSH AND VELVET PRESSBOARD CO., New York, N. Y. Filed Nov. 17, 1923. Serial No. 188,463.

AMERICAN PLUSH & VELVET PRESSBOARD CO

Particular description of goods.—Pressboards and Steamers and Parts Thereof for Garments and Cloth.
Claims use since about Feb. 15, 1915.

193,360. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. F. STURDY'S SONS CO., Attleboro Falls, Mass. Filed Sept. 12, 1923. Serial No. 185,726.

CUFF—LINE

Particular description of goods.—Cuff Links and Cuff Buttons Made Wholly or in Part of Precious Metal.
Claims use since Aug. 17, 1923.

193,361. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GOLD SEAL JEWELERS, New York, N. Y. Filed Aug. 16, 1923. Serial No. 184,551.

WELDMESH

Particular description of goods.—Mesh Bags Made Wholly or in Part of Precious Metal.
Claims use since Jan. 25, 1923.

193,362. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN B. ELLISON & SONS, Philadelphia, Pa. Filed Apr. 6, 1923. Serial No. 178,692.

"Columbia"

Particular description of goods.—Serge in the Piece.
Claims use since 1908.

193,363. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) L. HELLER & SON, INC., New York, N. Y. Filed Dec. 18, 1922. Serial No. 173,495.

Lafitte

Particular description of goods.—Pearls and Reproductions of Pearls or Imitations Thereof.
Claims use since Sept. 6, 1922.

193,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RICHARD W. KAASE COMPANY, Cleveland, Ohio. Filed Oct. 31, 1923. Serial No. 187,743.

Kaases

Particular description of goods.—Cake, Pies, Pastries, Candles, and the Like.
Claims use since 1901.

193,365. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed Nov. 2, 1923. Serial No. 187,855.

Used Everywhere in Beautiful Homes

Particular description of goods.—Window Shades.
Claims use since Oct. 26, 1923.

193,366. (CLASS 37. PAPER AND STATIONERY.) MYERS PAPER COMPANY, Memphis, Tenn. Filed Apr. 30, 1924. Serial No. 196,348.

NIAGARA

MYERS PAPER CO. MEMPHIS

Particular description of goods.—Wrapping Paper, Toilet Paper, Envelopes, Paper Napkins, and Stencil Board.
Claims use since Apr. 1, 1923.

193,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KAASE COMPANY, Akron, Barberton, Massillon and Canton, Ohio. Filed Aug. 12, 1924. Serial No. 201,292.

Kaase's

Particular description of goods.—Bread, Rolls, Pies, Cakes, Cookies, Pastries, Plum Puddings, Plum-Pudding Sauce, and Sandwiches.
Claims use since September, 1919.

193,368. (CLASS 32. FURNITURE AND UPHOLSTERY.) NACHMAN-SPRINGFIELD COMPANY, Chicago, Ill. Filed Nov. 1, 1924. Serial No. 204,719.

NACHMAN

Particular description of goods.—Spring Cushion Constructions for Mattresses, Cushions, and Upholstery Purposes.
Claims use since June 1, 1923.

LABELS

REGISTERED DECEMBER 23, 1924.

- 27,936.—*Title:* STAR BUILDING BLOCKS. For a Container for Building Blocks. AMERICAN NOVELTY WORKS, Herndon, Pa. Published July 18, 1924.
- 27,937.—*Title:* SOUVENIR PICTURES. For Container for Miniature Post Cards. J. C. BARDELL, doing business as Bardell Art Printing Co., San Francisco, Calif. Published June 13, 1924.
- 27,938.—*Title:* GREEN POD BRAND. For Canned Peas. BEAVER CANNING COMPANY, Beaver Dam, Wis. Published July 11, 1924.
- 27,939.—*Title:* BLANCHER NOVELTY JEWELRY. For Jewelry. BLANCHER BROTHERS, Providence, R. I. Published June 2, 1924.
- 27,940.—*Title:* BARGAIN BRAND. For Hosiery. CHIPMAN KNITTING MILLS, Easton, Pa. Published April 17, 1924.
- 27,941.—*Title:* CLICQUOT CLUB PALE DRY. For Ginger Ale. THE CLICQUOT CLUB COMPANY, Mills, Mass. Published October 1, 1924.
- 27,942.—*Title:* WHITE GOLD FLOUR. For Flour. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Published August 4, 1924.
- 27,943.—*Title:* GO-SPECO GLASS CLEANER. For Cleaning Fluid. CONSOLIDATED SPECIALTIES COMPANY, New Bedford, Mass. Published May 8, 1924.
- 27,944.—*Title:* KOKO. For Bread. THE CORRY BAKING CO. INC., Washington, D. C. Published September 8, 1924.
- 27,945.—*Title:* COUNTRYMAN QUININE HAIR TONIC DE LUXE. For Quinine Hair Tonic. W. H. COUNTRYMAN, Middletown, Ohio. Published September 2, 1924.
- 27,946.—*Title:* FLOK DE DASTINE. For Cigars. ABRAHAM DASTIN, New York, N. Y. Published September 6, 1924.
- 27,947.—*Title:* BELLOMAR. For Canned Tunny Fish. FRANCO-ITALIAN PACKING CO., INC., East San Pedro, Calif. Published August 12, 1924.
- 27,948.—*Title:* EGYPTOL (EGYPTIAN OIL). For Medicinal Product for the Relief of Rheumatism and Muscular Pains. GATLIN LABORATORIES, Minneapolis, Minn. Published August 5, 1924.
- 27,949.—*Title:* LORRAINE SILK NET. For Hair Nets. S. GLEMBY'S SONS CO., INC., New York, N. Y. Published March 12, 1924.
- 27,950.—*Title:* REGINA SILK NET. For Hair Nets. S. GLEMBY'S SONS CO., INC., New York, N. Y. Published March 12, 1924.
- 27,951.—*Title:* JEAN SILK NET. For Hair Nets. S. GLEMBY'S SONS CO., INC., New York, N. Y. Published September 5, 1924.
- 27,952.—*Title:* LA VINA. For Cigars. C. B. HENSCHEL MFG. CO., Milwaukee, Wis. Published February 10, 1924.
- 27,953.—*Title:* HOGLE ALL IN ONE POWDER. For Packages Containing a Washing and Cleaning Powder. HOGLE PRODUCTS CO., Pittsburgh, Pa. Published July 24, 1924.
- 27,954.—*Title:* JULIAETTA. For Fresh Cherries. JULIAETTA CHERRY GROWERS ASSOCIATION, Juliaetta, Idaho. Published June 23, 1924.
- 27,955.—*Title:* ALL-BRAN. For Cereal-Breakfast Food. KELLOGG COMPANY, Battle Creek, Mich. Published May 15, 1924.
- 27,956.—*Title:* KLOKO KLENZ. For Sanitary Cleaning Compounds. THE KLOKO KLENZ CO., Chicago, Ill. Published September 15, 1924.
- 27,957.—*Title:* MANAS'S MALTAMILK. For Malted Milk. KALMAN MANAS, doing business as Mannas's Malted Milk Co., New York, N. Y. Published September 1, 1924.
- 27,958.—*Title:* MILANI'S WORLDS BEST FRENCH SALAD DRESSING. For French Salad Dressing. LOUIS MILANI, Chicago, Ill. Published October 4, 1924.
- 27,959.—*Title:* SWEET DAINTIES FOR SUMMER. For Candy. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published September 11, 1924.
- 27,960.—*Title:* CASCADE GINGER ALE. For Ginger Ale. MONARCH MANUFACTURING COMPANY, Atlanta, Ga. Published July 10, 1924.
- 27,961.—*Title:* NATIONAL PHOTOGRAPHIC WHITE FLAME CORED CARBONS. For Electric Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 27,962.—*Title:* NATIONAL SOLID YELLOW FLAME CARBONS. For Electric Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 27,963.—*Title:* NATIONAL SILVERTHIN INCLINED FEED FLAME CARBONS. For Electric Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 27,964.—*Title:* NATIONAL WELDING CARBON PRODUCTS. For Carbon Products for Welding. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 27,965.—*Title:* NATIONAL WELDING CARBON PASTE. For Carbon Paste for Welding. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 27,966.—*Title:* DICKORY DICKORY DOCK. For the Cover of a Game Box. NOBLE AND NOBLE, New York, N. Y. Published July 21, 1924.
- 27,967.—*Title:* MY CHILDREN'S LOTTO GAME. For the Cover of a Game Box. NOBLE AND NOBLE, New York, N. Y. Published July 21, 1924.
- 27,968.—*Title:* POLLY-O. For Polish. POLLY-O COMPANY, Montebello, Calif. Published September 9, 1924.
- 27,969.—*Title:* TRUE MILK. For Bread. QUALITY BAKERY, Henryetta, Okla. Published September 12, 1924.
- 27,970.—*Title:* REG'UM. For Dentifrices. RED GUM PRODUCTS COMPANY, San Francisco, Calif. Published April 2, 1924.
- 27,971.—*Title:* BUY A UNICY EXTRA. For Packages of Marshmallows. ROBLIN-DEMERATH CO., INC., Rochester, N. Y. Published July 29, 1924.
- 27,972.—*Title:* SALOME. For Cigarettes. ROSEBORO CIGARETTE CO., INC., New York, N. Y. Published December 1, 1919.
- 27,973.—*Title:* LA MESHILA. For Cigars. ADOLF SOBEL, New York, N. Y. Published September 5, 1924.

- 27,974.—*Title:* WHITE WAY. For Wheat Flour. WALLACE MILLING COMPANY, Huntingburg, Ind. Published September 6, 1924.
- 27,975.—*Title:* RAISIN. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published June 10, 1924.
- 27,976.—*Title:* ASSORTED CHOCOLATES (MOTHER'S DAY-CARNATION DESIGN). For Candy. CHAS. WEINHAGEN & Co., St. Paul, Minn. Published July 29, 1924.

- 27,977.—*Title:* ASSORTED CHOCOLATES (MOTHER'S DAY-ROSE DESIGN). For Candy. CHAS. WEINHAGEN & Co., St. Paul, Minn. Published July 29, 1924.
- 27,978.—*Title:* WRIGHT'S POWDER NOT A POISON KILLS RATS AND MICE. For a Powder for Exterminating Rats and Mice. RICHARD BENJAMIN WRIGHT, Central Islip, N. Y. Published July 30, 1924.

PRINTS

REGISTERED DECEMBER 23, 1924.

- 7,623.—*Title:* VENUS COPYING PENCILS C 51. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published August 15, 1924.
- 7,624.—*Title:* DART AN ARROW COLLAR. For Collars. CLETT, PEABODY & COMPANY, INC., Troy, N. Y. Published October 6, 1924.
- 7,625.—*Title:* CORN-OFF. For Corn Remedy. CORN-OFF CO., Los Angeles, Calif. Published April 1, 1924.
- 7,626.—*Title:* TRY THIS SNAG TEST. For Men's and Boys' Clothing. H. JAY DELSON, Chicago, Ill. Published March 3, 1924.
- 7,627.—*Title:* TRY THIS WATER TEST. For Men's and Boys' Clothing. H. JAY DELSON, Chicago, Ill. Published March 3, 1924.
- 7,628.—*Title:* DU PONT PRESCRIPTION PAINT SERVICE. For Paint. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Published July 1, 1924.
- 7,629.—*Title:* IRONKLOTH. For Boys' Clothing. ECONOMO CLOTHING MANUFACTURING COMPANY, Chicago, Ill. Published September 25, 1924.
- 7,630.—*Title:* IRONKLOTH. For Boys' Clothing. ECONOMO CLOTHING MANUFACTURING COMPANY, Chicago, Ill. Published September 25, 1924.
- 7,631.—*Title:* SHEER BEAUTY. For Silk Stockings. FAMOUS TEXTILE CO. INC., New York, N. Y. Published September 15, 1924.
- 7,632.—*Title:* SCENE AT CAPETOWN, SOUTH AFRICA. For Helix, 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published September 1, 1924.
- 7,633.—*Title:* GIRO ORANGE JELL-O. For Jell-O, a Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published September 10, 1924.
- 7,634.—*Title:* THE THREE BEARS. For Jell-O, a Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published September 1, 1924.
- 7,635.—*Title:* CASTOLAY THE MODERN CASTLE SOAP. For Soap. THE ANDREW JERGENS CO., Cincinnati, Ohio. Published October 1, 1924.
- 7,636.—*Title:* MENTHOL HONEY COUGH DROPS. For Candy. GEORGE J. MUELLER, INC., Washington, D. C. Published October 1, 1924.
- 7,637.—*Title:* RIBBONED ICE CREAM. For Ice Cream. THE JOHN H. MULHOLLAND CO., Philadelphia, Pa. Published September 4, 1924.
- 7,638.—*Title:* CORNS STOP HURTING IN ONE MINUTE! For Dr. Scholl's Zino-Pads. THE SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Published April 2, 1924.
- 7,639.—*Title:* AH! THAT'S COFFEE! MANRU COFFEE. For Coffee. SCHREIBER PRODUCTS CORP., Buffalo, N. Y. Published August 25, 1924.
- 7,640.—*Title:* WALLACE PENCILS WITH THE POINTS THAT PLEASE. For Pencils. WALLACE PENCIL CO., St. Louis, Mo. Published June 2, 1924.
- 7,641.—*Title:* WILLIAMS ACCELERATOR FOR FORD CARS. For Ford Car Accelerators. WILLIAMS BROS. AIRCRAFT CORP., San Francisco, Calif. Published June 25, 1923.

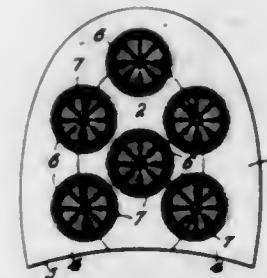
REISSUES

DECEMBER 23, 1924.

15,971. ANTILEAK COMPOSITION. WILL N. SHRUM, Dallas, Tex., assignor, by mesne assignments, to Modern Chemical Manufacturing Company. Filed Jan. 27, 1923. Serial No. 615,369. Original application filed Jan. 16, 1919, Serial No. 271,517. Renewed Jan. 21, 1921, Serial No. 439,053. Original No. 1,383,572, dated July 5, 1921. 5 Claims. (Cl. 134—17.5.)

4. A composition for stopping leaks in automobile radiators, boilers, etc., comprising an aqueous mixture of finely divided fibrous material, a vegetable paste, a gum serving as a binder, a resinous substance also serving as a binder, and a solvent for the latter.

15,972. RESILIENT HEEL. ANTONIO TROIANO, Washington, D. C. Filed Feb. 1, 1923. Serial No. 616,374. Original No. 1,409,070, dated Mar. 7, 1922. Serial No. 461,811, filed Apr. 16, 1921. 4 Claims. (Cl. 36—35.)



1. A resilient heel having recesses in its upper side and coincident protuberances at its underside and also

having nail holes extending upwardly through the protuberances and so constructed and arranged that when the protuberances are flattened by the driving home of nails the said holes will be closed.

15,973. TITANIUM COMPOUND AND ITS MANUFACTURE. FRANK E. BACHMAN, Port Henry, N. Y. Filed Oct. 29, 1924. Serial No. 747,703. Original application filed Mar. 28, 1919, Serial No. 285,873. Renewed Sept. 4, 1923. Original No. 1,489,417, dated Apr. 8, 1924. 40 Claims. (Cl. 23—202.)

1. Those steps of the herein described process of treating titaniferous materials which consist in mixing an iron and titanium bearing material with carbonaceous material, heating the mixture to reduce contained iron to the metallic state, treating the reaction product thus obtained with an acid which dissolves the iron leaving the titanium content in the residue, digesting the residue with an acid of sufficient strength to dissolve the titanium content and forming a solution of the titanium content, and heating the solution to precipitate the titanium content, substantially as described.

DESIGNS

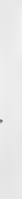
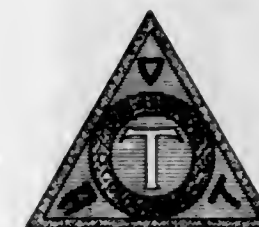
DECEMBER 23, 1924.

66,254. BADGE OR SIMILAR ARTICLE. JEAN E. ADAMS, Inglewood, Calif. Filed July 1, 1924. Serial No. 10,022. Term of patent 3½ years.



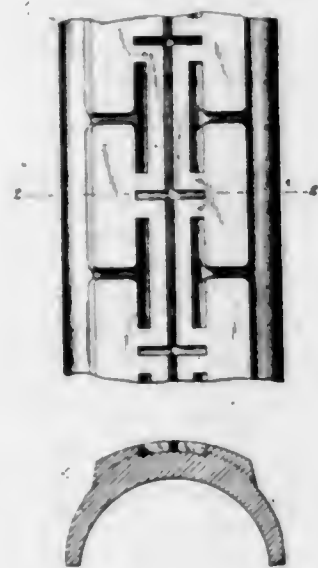
The ornamental design for a badge or similar article as shown.

66,255. EMBLEM OR THE LIKE. WALTER Z. ALLEN, Graham, Tex. Filed May 9, 1923. Serial No. 6,121. Term of patent 3½ years.



The ornamental design for an emblem or the like, as shown.

66,256. PNEUMATIC TIRE. HIRAM D. AYRES, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1923. Serial No. 8,178. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a pneumatic tire as shown.

66,257. PNEUMATIC TIRE. HIRAM D. AYRES, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923. Serial No. 8,199. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a pneumatic tire as shown.

66,258. PITCHER OR SIMILAR ARTICLE. JOSEPH O. BALDA, Newark, Ohio, assignor to A. H. Helsey & Company, Newark, Ohio. Filed Feb. 15, 1922. Serial No. 715. Term of patent 14 years.



The ornamental design for a pitcher or similar article, as shown.

66,259. IMITATION CANDLE FOR ELECTRIC-LIGHT FIXTURES. ANNA V. BENDER, Columbus, Ohio. Filed Jan. 10, 1923. Serial No. 4,854. Term of patent 7 years.



The ornamental design for an imitation candle for electric-light fixtures, as shown.

66,260. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922. Serial No. 4,508. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,261. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,746. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,262. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,750. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,263. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,751. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,264. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,757. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,265. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,758. Term of patent 7 years.



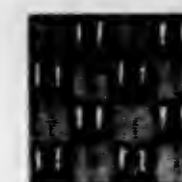
The ornamental design for a textile fabric, as shown.

66,266. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,759. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,267. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,761. Term of patent 7 years.



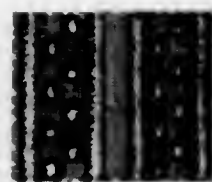
The ornamental design for a textile fabric, as shown.

66,268. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 17, 1923. Serial No. 5,836. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,269. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 17, 1923. Serial No. 5,837. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,270. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 4, 1923. Serial No. 7,946. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,271. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 4, 1923. Serial No. 7,947. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,272. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 4, 1923. Serial No. 7,948. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

66,273. BADGE OR SIMILAR ARTICLE. WALTER O. BROWN, Detroit, Mich. Filed Feb. 12, 1923. Serial No. 5,161. Term of patent 3½ years.



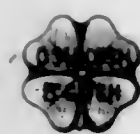
The ornamental design for a badge or similar article as shown.

66,274. BRACELET. HARDY BUSH, Sr., Newark, N. J. Filed Oct. 11, 1924. Serial No. 11,030. Term of patent 14 years.



The ornamental design for a bracelet, as shown.

66,275. BUTTON. LEONARD R. CARLEY, Watertown, Conn., assignor to The Patent Button Company, Watertown, Conn., a Corporation of Connecticut. Filed June 19, 1923. Serial No. 6,532. Term of patent 14 years.



The ornamental design for a button, as shown.

66,276. SPOON OR SIMILAR ARTICLE. ROY L. DANKS and MAX L. BAKER, New Haven, Conn., assignors to The Regal Silver Mfg. Co., New Haven, Conn., a Corporation. Filed Sept. 17, 1924. Serial No. 10,801. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

66,277. STATUETTE. ROBERT DANKS, Gotha, Germany, assignor to Morris, Mann & Kelly, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 11, 1922. Serial No. 3,353. Term of patent 3½ years.



The ornamental design for a statuette as shown.

66,278. COVERED DISH OR SIMILAR ARTICLE. GENARO DE ROSA, New York, N. Y. Filed July 25, 1921. Serial No. 487,553. Term of patent 14 years.



The ornamental design for a covered dish, or similar article as shown.

66,279. POINTER FOR RADIORECEIVERS. ROBERT C. EDWARDS, Elizabeth, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed July 19, 1924. Serial No. 10,196. Term of patent 14 years.



The ornamental design for a pointer for radio receivers as shown.

66,280. TEXTILE FABRIC. LAWRENCE E. ELLIS, New York, N. Y. Filed Apr. 14, 1924. Serial No. 9,250. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

66,281. TEXTILE FABRIC. LAWRENCE E. ELLIS, New York, N. Y. Filed Aug. 29, 1924. Serial No. 10,579. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

66,282. WOVEN FABRIC. GUSTAVE M. FAUSER, New York, N. Y., assignor to Tique Manufacturing Company, New York, N. Y., a Corporation of Connecticut. Filed Apr. 28, 1923. Serial No. 5,983. Term of patent 7 years.



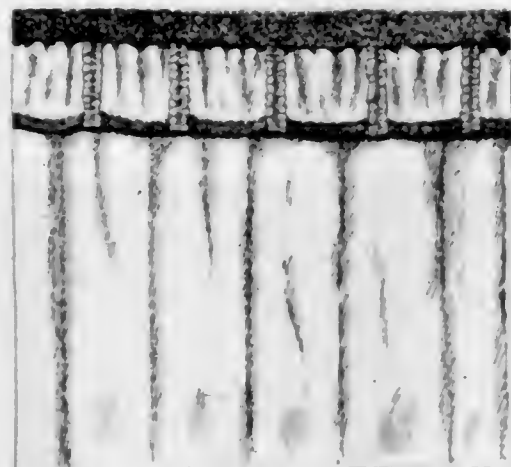
The ornamental design for a woven fabric as shown.

66,283. STICKPIN. LIPA FEINGOLD and DAVID FEINGOLD, Brooklyn, N. Y. Filed June 27, 1924. Serial No. 9,991. Term of patent 14 years.



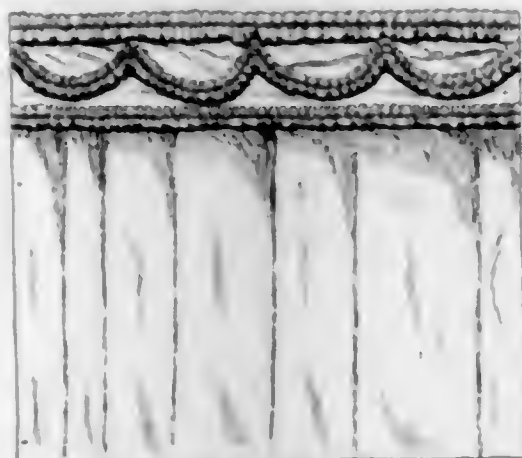
The ornamental design for a stickpin as shown.

66,284. GRAVE LINING. DAVID F. FORWOOD, Taylor, Tex. Filed June 3, 1924. Serial No. 9,786. Term of patent 7 years.



The ornamental design for a grave lining as shown.

66,285. GRAVE LINING. DAVID F. FORWOOD, Taylor, Tex. Filed June 24, 1924. Serial No. 9,956. Term of patent 7 years.



The ornamental design for a grave lining as shown.

66,286. STOCKING. JACOB GREENWALD, Philadelphia, Pa. Filed Nov. 2, 1922. Serial No. 4,197. Term of patent 3 1/2 years.



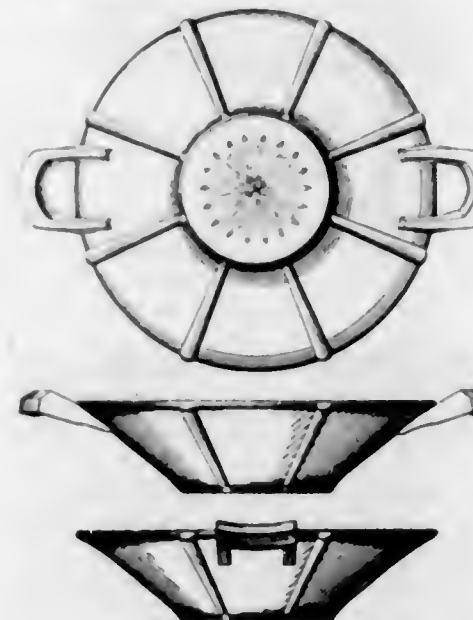
The ornamental design for a stocking, as shown.

66,287. STOCKING. JACOB GREENWALD, Philadelphia, Pa. Filed Nov. 2, 1922. Serial No. 4,198. Term of patent 3 1/2 years.



The ornamental design for a stocking, as shown.

66,288. DISH. T. CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed Mar. 20, 1923. Serial No. 5,546. Term of patent 14 years.



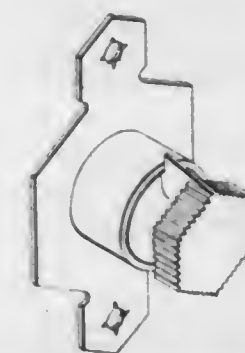
The ornamental design for a dish, as shown.

66,289. BRUSH HOLDER. WILLIAM J. HINES, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 21, 1923. Serial No. 7,051. Term of patent 14 years.



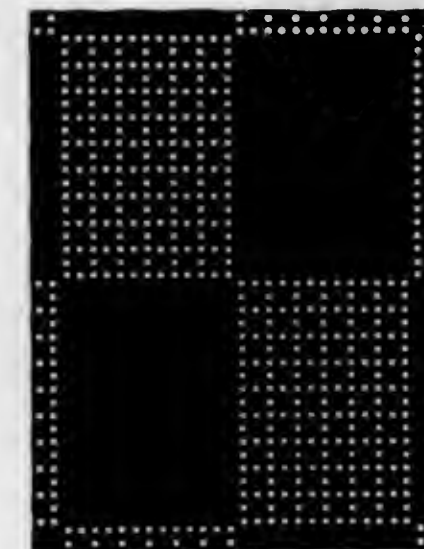
The ornamental design for a brush holder as shown in the accompanying drawing.

66,290. COMBINATION KNOB AND DIAL FOR A LOCK. ARTHUR C. JACKSON, Philadelphia, Pa., assignor to Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 13, 1923. Serial No. 5,167. Term of patent 3 1/2 years.



The ornamental design for a combination knob and dial for a lock, as shown.

66,291. TEXTILE FABRIC. FRANK F. JACKSON, Brooklyn, N. Y., assignor to Haas Brothers Fabrics Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 5,433. Term of patent 3 1/2 years.



The ornamental design for a textile fabric, as shown.

66,292. BADGE. THOMAS OLIVER KAHSE, Rochester, N. Y., assignor to Warren-Kahse, Incorporated, Rochester, N. Y., a Corporation of New York. Filed June 4, 1923. Serial No. 6,388. Term of patent 14 years.



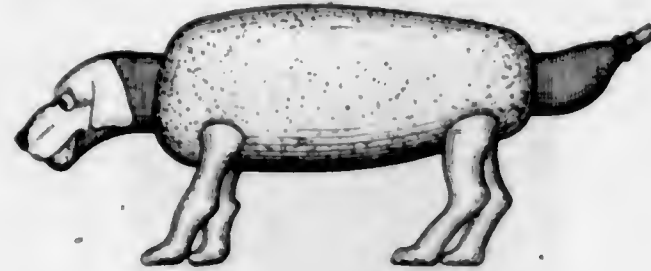
The ornamental design for a badge or similar article as shown.

66,293. TABLE. WILLIAM E. KENOE, San Francisco, Calif. Filed Aug. 20, 1924. Serial No. 10,505. Term of patent 3 1/2 years.



The ornamental design for a table, as shown.

66,294. TOY, BALLOON. WILLIAM R. LORENZ, New York, N. Y. Filed Oct. 15, 1923. Serial No. 7,507. Term of patent 14 years.



The ornamental design for a toy balloon as shown.

66,295. CABINET. WALTER LYTTON, Chicago, Ill., assignor to Lytton Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1923. Serial No. 4,904. Term of patent 3½ years.



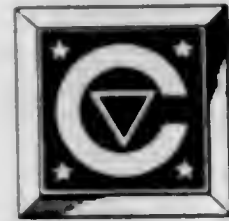
The ornamental design for a cabinet, as shown.

66,296. COMBINED DESK SET AND LAMP. HENRY MALIN, Johannesburg, Transvaal, South Africa. Filed July 18, 1924. Serial No. 10,178. Term of patent 7 years.



The ornamental design for a combined desk set and lamp, as shown.

66,297. BADGE OR ARTICLE OF SIMILAR NATURE. JOSEPH A. MEYERS, Los Angeles, Calif., assignor to J. A. Meyers & Co. Inc., Los Angeles, Calif., a Corporation of California. Filed Sept. 29, 1924. Serial No. 10,923. Term of patent 14 years.



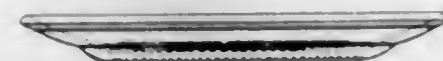
The ornamental design for a badge or article of similar nature, as shown.

66,298. PLATE OR SIMILAR ARTICLE. JOHN J. MILLER, Montclair, N. J., assignor to Maddock & Miller, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 16, 1924. Serial No. 9,297. Term of patent 3½ years.



The ornamental design for a plate or similar article as shown.

66,299. PLATE OR SIMILAR ARTICLE. JOHN J. MILLER, Montclair, N. J., assignor to Maddock & Miller, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 16, 1924. Serial No. 9,298. Term of patent 3½ years.



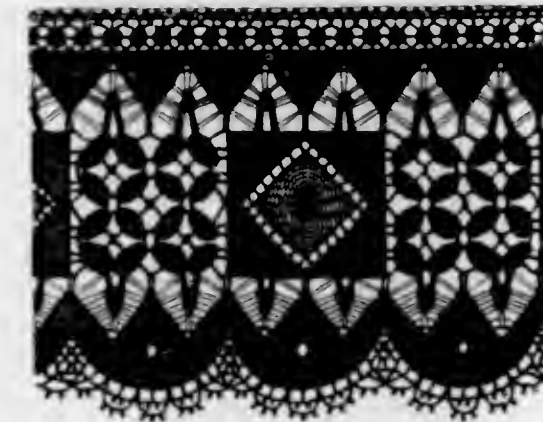
The ornamental design for a plate or similar article as shown.

66,300. SOUP STICK. SCOTT H. PERKY, Keeseville, N. Y. Filed May 2, 1921. Serial No. 466,616. Term of patent 14 years.



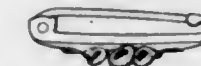
The ornamental design for a soup stick, as shown and described.

66,301. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Oct. 15, 1924. Serial No. 11,074. Term of patent 14 years.



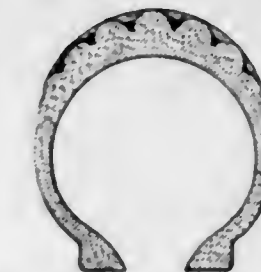
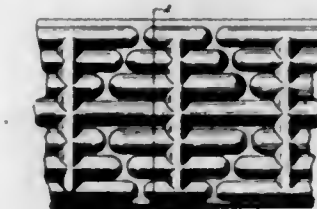
The ornamental design for lace as shown.

66,302. PIN OR SIMILAR ARTICLE. FRANCES JOSEPHINE RAVENHALL, New Port Richey, Fla. Filed Aug. 15, 1924. Serial No. 10,465. Term of patent 7 years.



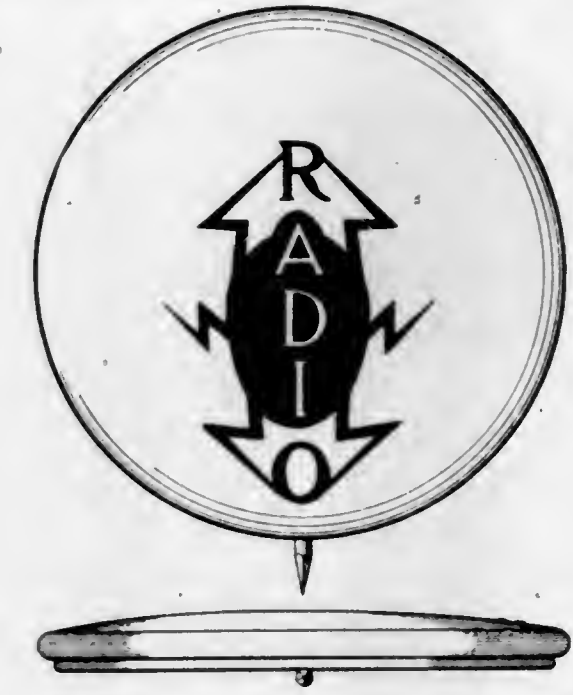
The ornamental design for a pin or similar article, as shown.

66,303. TIRE. JOSEPH H. SCHWARTZ, Cleveland, Ohio, assignor to Joseph Mishne, Cleveland, Ohio. Filed Mar. 8, 1922. Serial No. 1,076. Term of patent 3½ years.



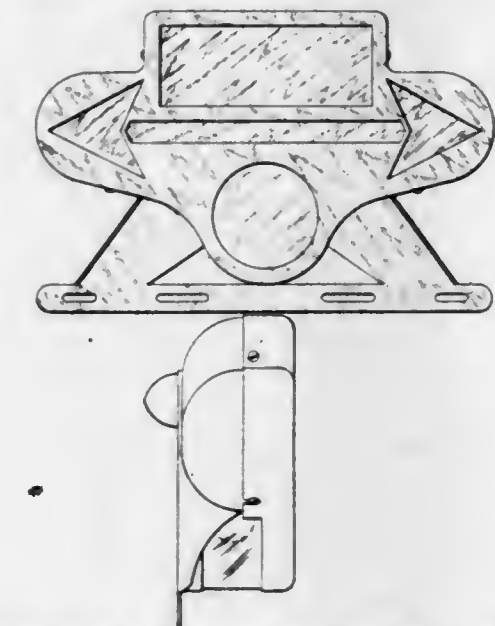
The ornamental design for a tire as shown.

66,304. BADGE OR THE LIKE. FRANK J. STRASSNER, Newark, N. J. Filed Apr. 27, 1922. Serial No. 1,992. Term of patent 3½ years.



The ornamental design for a badge or the like, as shown.

66,305. CASING FOR TRAFFIC SIGNALS. EDWARD COOPER TAYLOR, New York, N. Y. Filed Nov. 25, 1922. Serial No. 4,402. Term of patent 7 years.



The ornamental design for a casing for traffic signals, as shown.

66,306. RADIATOR CAP. JOHN M. THOENNES and CYRUS C. FISCHER, Milwaukee, Wis. Filed May 15, 1922. Serial No. 2,240. Term of patent 7 years.



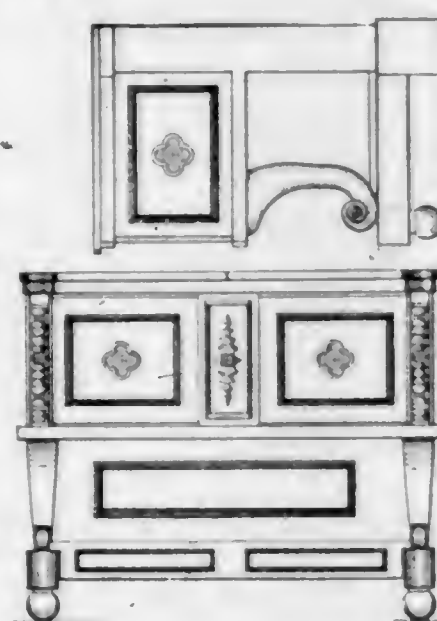
The ornamental design for a radiator cap, as shown.

66,307. COVERING FOR FLOORS OR OTHER SURFACE. ALBERT Y. TUCKER, Buffalo, N. Y., assignor to Tucker Rubber Corporation, Buffalo, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,387. Term of patent 14 years.



The ornamental design for a covering for floors or other surface substantially as shown.

66,308. COMBINED PHONOGRAPH AND RADIO CABINET. MORRIS VICTORSON, Brooklyn, N. Y. Filed Sept. 10, 1924. Serial No. 10,726. Term of patent 3½ years.



The ornamental design for a combined phonograph and radio cabinet, as shown.

66,309. WOVEN TRIMMING. CHARLES S. WACKERMAN, Bridgeport, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 19, 1924. Serial No. 10,198. Term of patent 14 years.



The ornamental design for woven trimming substantially as shown.

66,310. DOLL. KATHERINE W. WADE, San Francisco, Calif. Filed Sept. 5, 1924. Serial No. 10,680. Term of patent 7 years.



The ornamental design for a doll, as shown.

66,311. NOVELTY DOLL. KATHERINE W. WADE, San Francisco, Calif. Filed Sept. 5, 1924. Serial No. 10,681. Term of patent 7 years.



The ornamental design for a novelty doll, as shown.

66,312. NOVELTY DOLL. KATHERINE W. WADE, San Francisco, Calif. Filed Sept. 5, 1924. Serial No. 10,682. Term of patent 7 years.



The ornamental design for a novelty doll, as shown.

66,313. RUG. ALGERMONT H. WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1924. Serial No. 10,844. Term of patent 3½ years.



The ornamental design for a rug, as shown.

66,314. RUG. RAYMOND H. WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1924. Serial No. 10,845. Term of patent 3½ years.

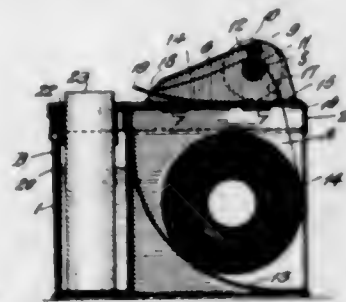


The ornamental design for a rug, as shown.

PATENTS

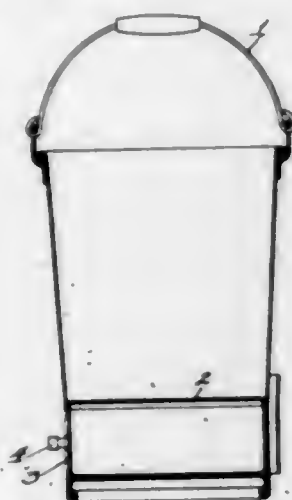
GRANTED DECEMBER 23, 1924.

1,519,998. TAPE-DISPENSING DEVICE. HARRY A. ADAMS, Philadelphia, Pa., assignor to The Winner Laboratories, Inc., a Corporation of New York. Filed Apr. 28, 1922. Serial No. 557,197. 13 Claims. (Cl. 91-14.)



6. In a gummed tape device for attachment to a casing, a tape feeding device having depending lugs which are adapted to be passed through and anchored to a casing, said device having means for guiding the tape from the casing and feeding it through the device.

1,519,999. SCRUBBING PAIL. MARGARET L. ARNOLD, Chicago, Ill. Filed Feb. 6, 1924. Serial No. 690,927. 2 Claims. (Cl. 15-264.)

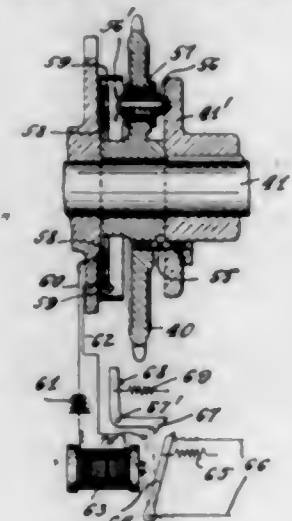


1. A scrubbing pail comprising a vessel having a fluid compartment and a chamber below said compartment and a tray hinged so as to swing into and out of said chamber.

1,520,000. SAFETY DEVICE FOR CONVEYER MECHANISMS. ROBERT ELMER BAKER, Bronxville, and ARTHUR FRANCIS CUMMINS, White Plains, N. Y., and EARDLEY HARRY FORD, Los Angeles, Calif., assignors, by mesne assignments, to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y., a Corporation of New York. Original application filed Mar. 21, 1917. Serial No. 156,275. Divided and this application filed Nov. 12, 1920. Serial No. 423,723. 12 Claims. (Cl. 192-150.)

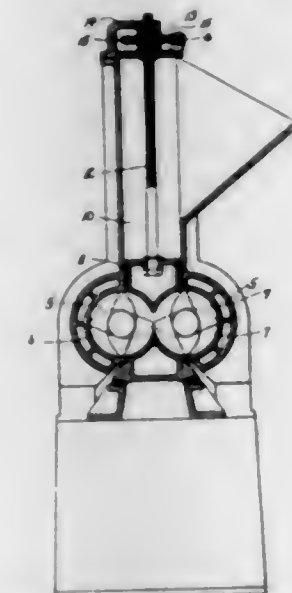
1. In a conveyer mechanism, a conveyer, a discharge device movable relatively to said conveyer to remove articles therefrom, driving mechanism for said conveyer and for said discharge device, the driving mechanism of the discharge device including a member adapted to give way readily in case of an abnormal strain, to

stop the operation of the discharge device if the latter meets an obstruction, and means, operated by the stop-



page of the discharge device resulting from the breakage of said member, for arresting the drive of the conveyer.

1,520,001. MACHINE FOR TREATING RUBBER AND OTHER HEAVY PLASTIC MATERIAL. FERNLEY H. BANBURY, Ansonia, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation. Filed Feb. 23, 1922. Serial No. 538,743. 1 Claim. (Cl. 18-2.)



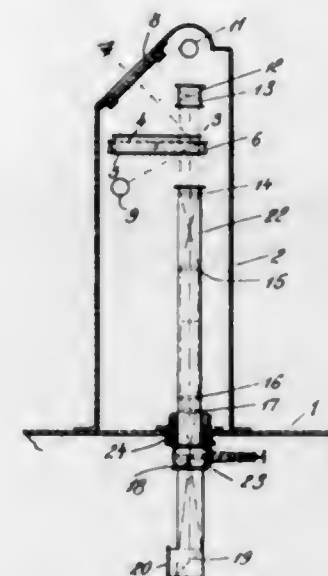
In a machine of the class specified, the combination with a stationary casing having a charging-opening in its top and a discharge-opening in its bottom, of a rotor, a horizontally-movable closure for the said discharge opening, a vertically-movable closure for the said charging opening, a neck rising from the casing and providing a housing for the said vertically-movable closure, a hopper discharging into the said neck, a chambered head mounted upon the upper end of the said neck, a threaded stem connected at its lower end with the vertically-movable closure and extending upward through the said neck and head, a nut located within the said head, held against displacement thereby and receiving the threaded upper end of the said stem, an annular worm-gear upon the periphery of the said nut, and a worm-shaft meshing into the said annular worm-gear.

DECEMBER 23, 1924

U. S. PATENT OFFICE.

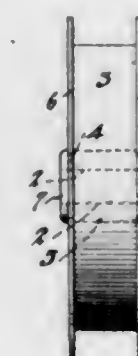
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1,520,002. COMPASS SYSTEM. CHARLES H. BEDELL, New London, Conn., assignor to Electric Boat Company, a Corporation of New Jersey. Filed Apr. 27, 1922. Serial No. 557,029. 2 Claims. (Cl. 88-24.)



1. A compass system for ships, comprising the combination of a transparent-bottom compass box having whitened inner walls and an opaque lubber line extending inwardly therefrom, a transparent compass card bearing an opaque scale mounted within the compass box, illuminating means beneath the card illuminating the whitened inner walls of the compass box, thus forming a bright background upon which the compass scale can be easily and directly read from above, and means for projecting an image of the card and lubber line point upon a screen within the vessel.

1,520,003. SPOOL. GEORGE H. BIRD, Brooklyn, N. Y. Filed Jan. 4, 1924. Serial No. 684,310. 6 Claims. (Cl. 242-70.)

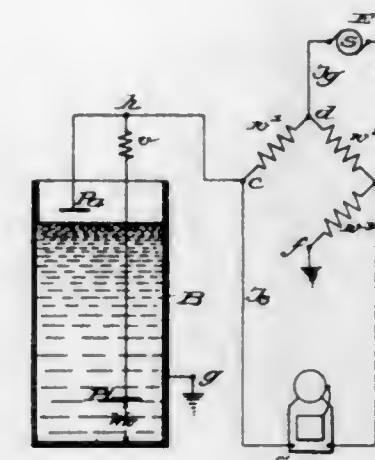


1. In a spool of the character described, the combination of a drum to receive ribbon or the like and having an axial opening, a core to fit within said opening in the drum, a substantially flat flange applied to each end of said core and engaging the corresponding end of said drum to hold ribbon thereon, and means for securing said flanges directly to said core, whereby the spool may be assembled by securing one of said flanges to one end of said core, slipping the drum with the ribbon thereon endwise over said core or slipping the core into the opening in said drum, and then securing the other of said flanges to the other end of said core.

1,520,004. LEVEL-INDICATING DEVICE. FRANZ GEORG BLOCH, Boblingen, Germany. Filed Dec. 1, 1920. Serial No. 427,647. 2 Claims. (Cl. 177-311.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

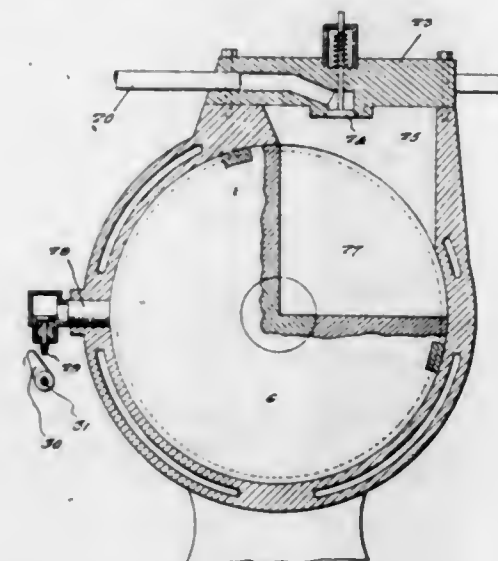
1. In a level indicating device, in combination with a tank, a conductor extending downwardly into the tank

to a predetermined low level thereby defining a gap between its lower end and the wall of the tank and a



Wheatstone bridge arrangement including in one of its branches, the resistance represented by said gap.

1,520,005. POWER PLANT. PATRICK BROUGHTON, New London, Conn. Filed June 7, 1923. Serial No. 643,820. 1 Claim. (Cl. 123-69.)



A rotary engine comprising a casing having a circular chamber with an exhaust port disposed in alignment with the center of said chamber, the casing being provided above the said chamber with an expansion firing chamber, a closure for the firing chamber and having an intake port leading into the firing chamber and with its edge at its discharge end spaced from the side wall surfaces of the firing chamber, the inner end portion of said port being disposed downwardly and with its axis disposed tangentially with relation to a circle struck from the center of the first mentioned chamber, and a circular rotor journaled in the first mentioned chamber and having a segmental recess, the transverse sectional area of which is equal approximately to one-fourth of the side area of the rotor.

1,520,006. POURING SPOUT AND CONTAINER. HENRY BRUCKER, Newark, N. J., assignor to American Aluminum Ware Co., a Corporation of New Jersey. Filed June 27, 1923. Serial No. 647,956. 5 Claims. (Cl. 221-11.)

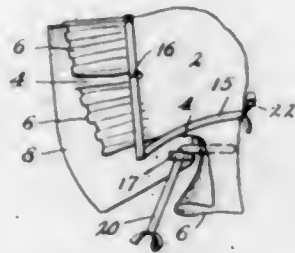
1. The combination of a container having a discharge opening in one wall thereof provided with an integral tongue at one side thereof, and a spout adapted to normally close said opening and formed with opposite spaced ears to clamp said tongue between themselves and said

body portion to hingedly connect said spout to said container exteriorly of said wall thereof, said spout being



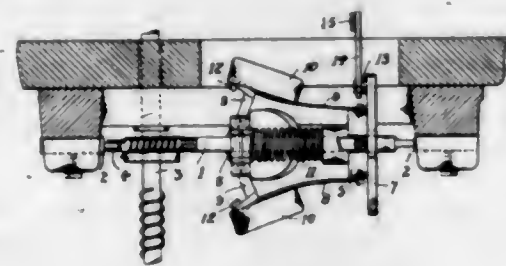
adapted to be connected to said tongue by slipping said tongue between said ears and bending the ears downwardly onto the tongue.

1,520,007. CAP, HAT, AND BONNET. MARY V. BRUNK, Kansas City, Mo. Filed June 2, 1921. Serial No. 474,537. 1 Claim. (Cl. 2—204.)



An article of the character described consisting of a crown having flanges, a brim detachably secured to said crown, loops permanently secured to opposite sides of said brim, and a band extending freely through said loops and adapted to extend between the back of the neck and one of the flanges and be tied under the chin of the wearer.

1,520,008. GOVERNOR FOR TALKING MACHINES. HORACE LEOPOLD TUCKER-BUCKLE, Yiewsley, England, assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Mar. 15, 1924. Serial No. 699,583. 9 Claims. (Cl. 188—187.)



8. In a centrifugal governor, the combination of a rotating spindle, a friction disk mounted on said spindle to slide longitudinally thereof, and a plurality of weights disposed in a balanced relation with respect to the axis of said spindle, each weight being provided with a connecting member having one end attached to said weight and the opposite end attached to said spindle, and with a second connecting member having one end attached to said weight and the opposite end attached to said friction disk, the distance between each weight and the said opposite end of the member attached thereto and to said

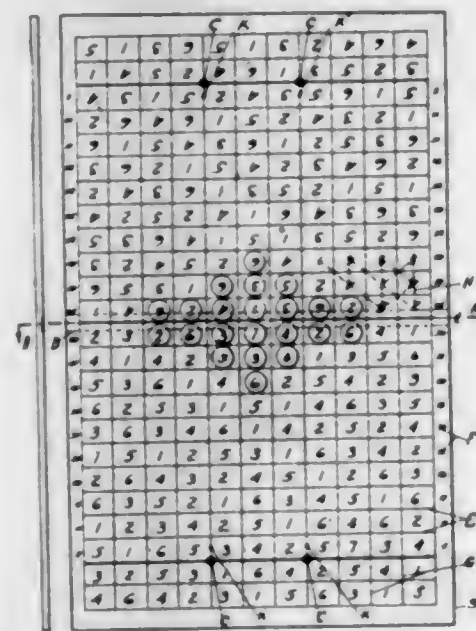
disk, being more than twice the distance between said weight and the said opposite end of the member attached thereto and to said spindle.

1,520,009. LOG BUNK. FREDERICK W. CHRISWELL, Seattle, Wash., assignor to Pacific Car and Foundry Company, Seattle, Wash., a Corporation of Washington. Filed Apr. 24, 1924. Serial No. 708,720. 2 Claims. (Cl. 105—160.)



2. A log bunk having its side webs composed of two bulb angles placed with their bulbs uppermost and base flanges extending outwardly, an I-beam with its web horizontal and its downwardly-extending base flanges riveted to the inner faces of the bulb angles near their upper edges, the web of the I-beam having a longitudinally extending slot near each end and spacing plates connecting the bunk sides beneath the I-beam.

1,520,010. PARLOR FOOTBALL GAME. EDWARD A. CLARK, Saline, Mich., assignor of one-half to Julius Hertler, Saline, Mich. Filed June 15, 1923. Serial No. 645,627. 3 Claims. (Cl. 273—94.)

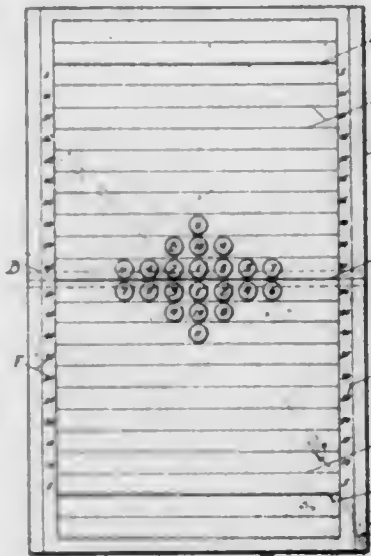


1. A parlor foot ball game of the character described comprising a playing board, horizontal and transverse lines thereon for dividing the field into sections similar to the foot ball field having a figure in each section, imitation playing men for recording the movements thereon, a dice-ball for determining the plays to be recorded.

1,520,011. PARLOR FOOTBALL GAME. EDWARD A. CLARK, Saline, Mich., assignor of one-half to Carl A. Curtiss, Saline, Mich. Filed July 19, 1923. Serial No. 652,634. 5 Claims. (Cl. 273—94.)

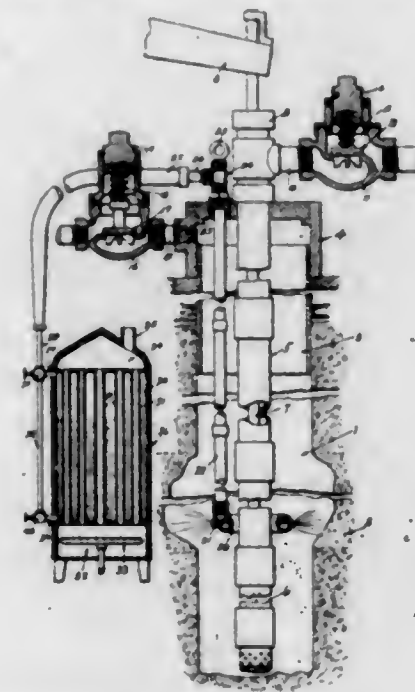
1. A parlor foot ball game of the character described comprising a playing board designed to represent the foot ball field, imitation playing men to represent the position

of the foot ball players on said board, each of said imitation playing men being designated by a number, a dice



ball having faces thereon, each of said faces bearing a number corresponding to numbers on the playing men.

1,520,012. METHOD OF TREATING OIL WELLS AND APPARATUS THEREFOR. RUDOLPH CONRADER, Erie, Pa. Filed Mar. 28, 1921, Serial No. 456,410. Renewed June 21, 1924. 16 Claims. (Cl. 166—17.)



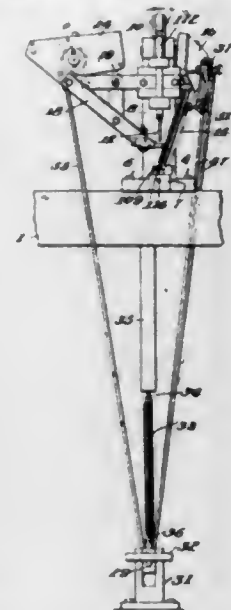
1. The method of treating oil wells which consists in maintaining the well under pressure but below the rock pressure; and heating the well cavity.

1,520,013. GEM-SETTING MACHINE. EDWARD CULOTTA, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,778. 76 Claims. (Cl. 29—10.)

25. In a machine of the character described, the combination with an anvil for supporting a gem in inverted position, a gem hopper, a chute for successively conveying gems from said hopper to a point adjacent the anvil, a hopper for holding settings having projecting spurs, a chute for successively conveying settings from their hopper to a point above the anvil with their spurs depending, a plunger adapted to pick up a setting from the lower end of the last mentioned chute, to force its spurs through a piece of dress goods arranged between said anvil and plunger, and to clinch said spurs about the gem on the anvil, a lever for reciprocating said plunger, a treadle operatively connected to said lever, agitators in the hoppers for the gems and settings, double-acting ratchet devices attached to said agitators, and belts ap-

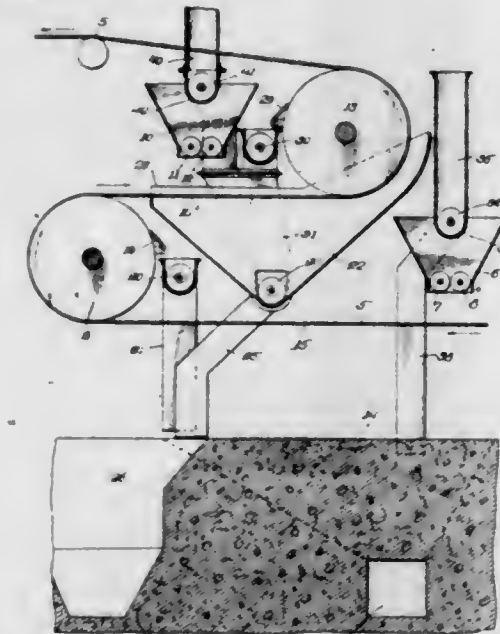
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plied to said ratchet devices and each having its ends secured to said treadle at opposite sides of its fulcrum, whereby the rocking of the treadle will simultaneously



actuate the plunger and the agitators in both hoppers, there being means attached to the treadle for returning the latter to normal position after it has been depressed by the operator.

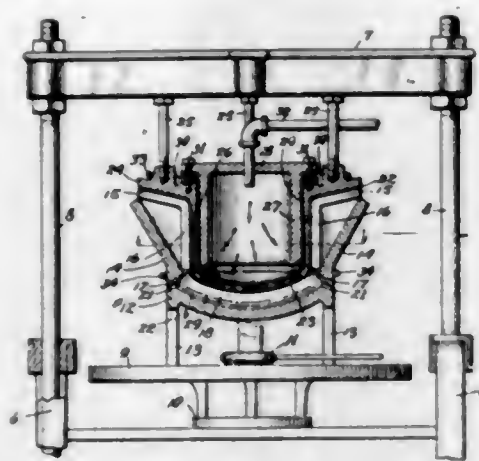
1,520,014. MACHINE FOR MAKING ASPHALT ROOFING. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed May 26, 1921. Serial No. 472,860. 8 Claims. (Cl. 91—93.)



1. A machine of the character described comprising means for distributing divided material from a source of supply on one side of a moving coated sheet; means to partially embed said material into the sheet to cause it to adhere thereto; means to reverse the sheet to cover the other side; means to distribute divided material on the uncovered side; means to partially embed the last applied material in the sheet; thus concurrently covering both sides of the sheet and means to return the excess material to said source of supply.

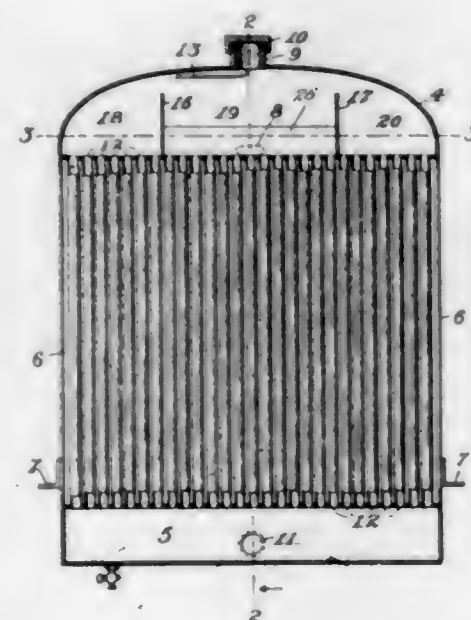
5. A machine of the character described comprising means for directing a moving sheet of roofing material having a plastic coating on one of its sides; an elevator for raising finely divided material to be deposited on the coated side of the sheet; a distributor for depositing said material on said sheet; means to partially embed said material in the coated surface of the sheet; a conveyor to conduct said material from the elevator to the distributor, and means to catch and return the unattached material to the elevator.

1,520,015. HAT-FORMING DIES. ROBERT M. CUMING, Kew Gardens, N. Y., assignor to M. A. Cuming & Co., Inc., a Corporation of New York. Filed May 4, 1922. Serial No. 558,460. 1 Claim. (Cl. 223-31.)



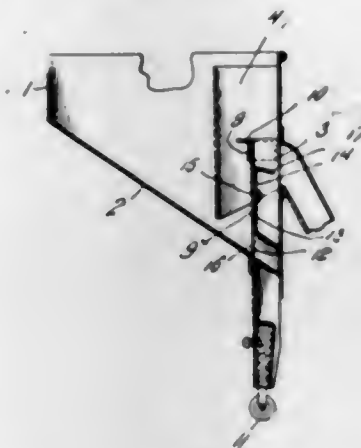
A device of the character described, comprising an outer die member provided with an opening for receiving a hat body and further provided with a compartment merging in to said opening, said compartment having a general cross diameter substantially greater than that of said opening and also substantially greater than the cross diameter of said hat body at the crown portion thereof, said outer die member being also provided with vent holes merging into said compartment where its cross diameter is greatest, and an inner die member mating said outer die member and carrying a barrel for extending into said opening, said barrel having sufficient length to extend approximately through said opening, a pocket of resilient material carried by said inner die member and enveloping said barrel, and thus adapted for extending therewith into said opening and thus into said hat body while said hat body occupies said opening, and means for applying fluid pressure to said pocket, in order to distend the crown portion of said hat body to fill out said compartment.

1,520,016. WATER COOLER OR RADIATOR. EDWARD T. CURRAN, Detroit, Mich. Filed May 12, 1919. Serial No. 296,311. 8 Claims. (Cl. 257-125.)



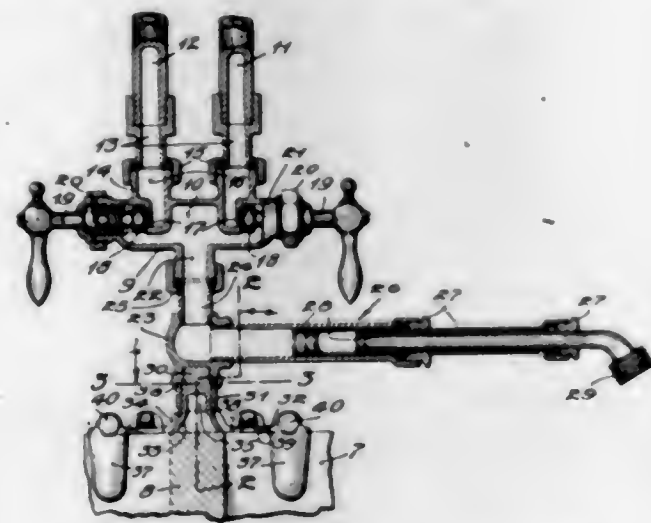
1. In a radiator, tanks, a series of liquid conducting passages to connect said tanks in circulation, and liquid inlet means arranged in one of said tanks to cause the liquid when at a low temperature to flow through a portion of the passageways only and by a rise in temperature to flow through all of said passageways.

1,520,017. SEED DROPPER. WILLMOTT HENDERSON DENTON, Whately, Mass. Filed Apr. 8, 1924. Serial No. 705,023. 1 Claim. (Cl. 221-143.)



A seed dropping mechanism comprising a hopper having an inclined bottom wall and provided at its side with an outlet opening, a guide located within the hopper at the outlet opening thereof, a slide member received within the guide and passing transversely through the bottom of the hopper, said slide member having a seed passage-way, a gage plate located in the slide member and having an intermediate portion provided with a slot, a bolt passing through said slot and the said slide member, the gage plate being provided at its lower end with a flange disposed parallel with the bottom wall of the seed passage way in the slide member and the said gage plate being provided at its upper end with a flange which is disposed toward the outlet opening in the hopper.

1,520,018. LAUNDRY-TRAY FAUCET. EDWIN G. EVENSTA and HENRY J. ANDERSON, Minneapolis, Minn., assignors to E-Z Manufacturing Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 26, 1923. Serial No. 621,231. 10 Claims. (Cl. 4-193.)

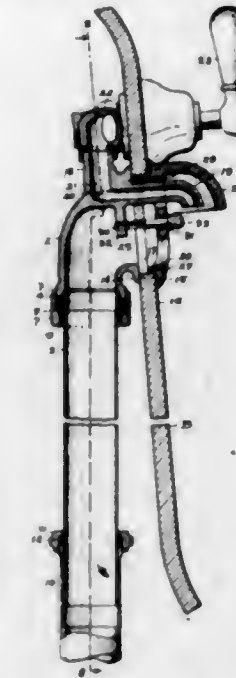


2. The combination with a water supply head, of a bracket adapted to be attached to a laundry tray and having a seat and a bearing sleeve, and a swinging nozzle-equipped head having a trunnion journaled in the bearing sleeve and provided with an expanded portion mounted in said seat for holding the trunnion against removal from the bearing sleeve, said two heads having nipples connected by a swivel joint.

1,520,019. COMBINED WATER SUPPLY AND OVERFLOW FIXTURE FOR BATHTUBS. ARTHUR I. FISCHER, Cleveland Heights, Ohio, assignor to Morris H. Glanzer, Cleveland, Ohio. Filed Sept. 28, 1923. Serial No. 663,330. 2 Claims. (Cl. 4-195.)

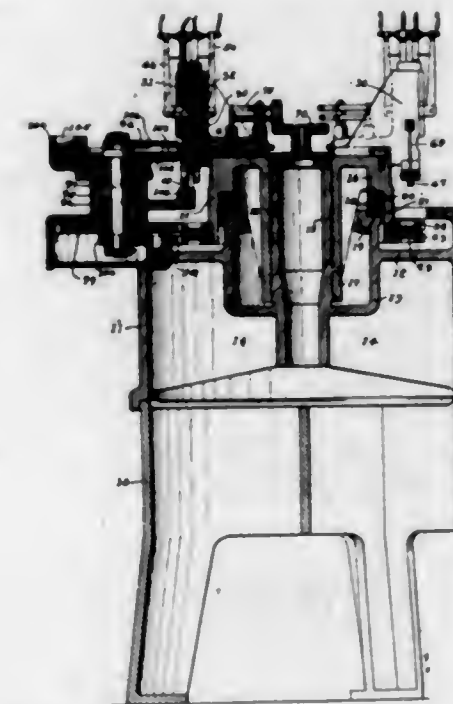
1. A combined water supply and overflow fixture for a bath tub, comprising a hollow cast-metal elbow open

at its opposite ends having a water delivery spout extending therefrom, a vitreous china overflow plate having an opening in its upper half through which said spout is



adapted to project into the tub, and provided with overflow openings in its lower half beneath said spout, and a clamping device adapted to attach said parts to the tub.

1,520,020. ROLL-GAUGING MACHINE. JOHN F. FLAHERTY, Toledo, Ohio, assignor to The Rock Bearing Company, Toledo, Ohio, a Corporation of Ohio. Filed May 2, 1921. Serial No. 466,153. 15 Claims. (Cl. 83-92.)

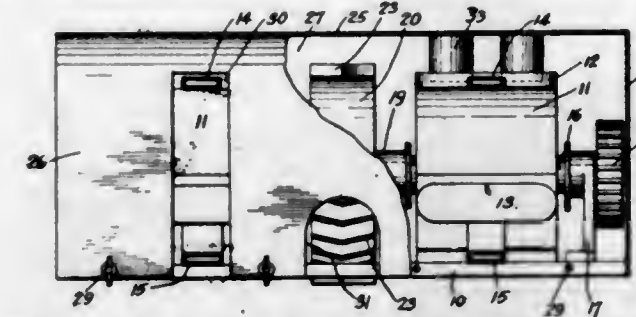


1. In a machine of the class described, the combination of a gauging member on which the article is received, a plurality of relatively movable members opposed to said gauging member and cooperating with the latter to grip the article, means for separating said members to release the article, a tripping member for actuating said releasing means, and means controlled by the relation of said relatively movable members for controlling the position of said tripping member.

1,520,021. AIR-COOLING DEVICE FOR MULTIPLE MOTORS. LUDWIG GLANZER, Winkler, Kans. Filed May 7, 1923. Serial No. 637,185. 2 Claims. (Cl. 123-171.)

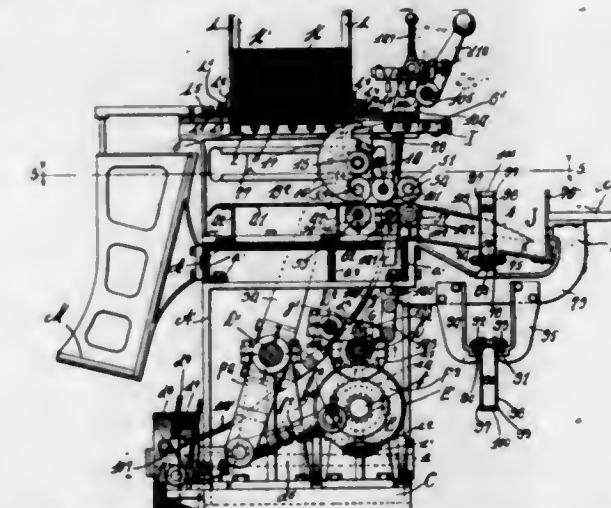
2. The combination with a pair of spaced rotary motors operatively engaged on a common shaft, a plat-

form on which said motors are mounted, a fly-wheel on the shaft intermediate the motors, means on said



fly-wheel adapted to force air laterally outward, and means for confining the air within the vicinity of said motors.

1,520,022. MACHINE FOR SEPARATING AND GATHERING SHEETS OF PAPER. SIGWALD C. GRUNLEE, Chicago, Ill. Filed Oct. 9, 1922. Serial No. 593,332. 28 Claims. (Cl. 271-29.)

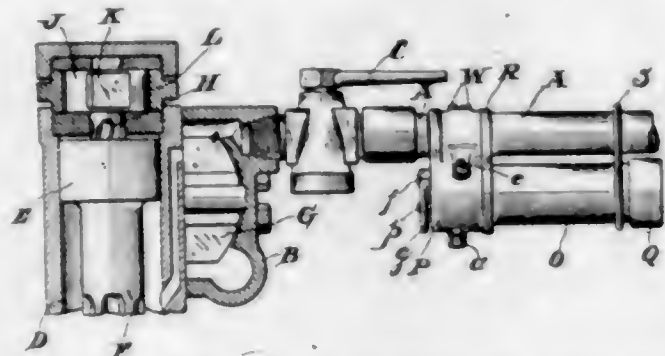


1. In blank separating mechanism, the combination of a pack-box adapted to contain blanks, a grid supported beneath said pack-box so as to be movable endwise on which the pack of blanks contained in the pack-box is supported, said grid comprising a frame slidably fitted to bearings in the machine frame, and anti-friction rollers rotatably mounted on said frame on which the pack of blanks rests directly, said grid being constructed and said anti-friction rollers arranged to provide an unobstructed space intermediate the ends of said grid, for the withdrawal thereof of the bottom blank of the pack contained in said pack-box, a suction head mounted beneath said pack-box so as to admit of simultaneous reciprocating and oscillating movement, means for imparting reciprocating and oscillating movement thereto, means for imparting reciprocating movement to said grid co-incident with that of said suction head, said suction head comprising a cylindrical surface and being so positioned that said cylindrical surface will contact with the bottom blank of the pack contained in said pack-box through the space formed in the grid for the withdrawal of the blanks from the pack-box, said suction head being provided with a chamber and with perforations in its cylindrical surface which communicate with said chamber, and suction means applied to said suction head, the relation being such that the perforations in the cylindrical surfaces of said suction head will engage the bottom blank of the pack contained in the pack-box adjacent to its front edge when said head is at the forward limit of its movement, substantially as described.

1,520,023. AIR-LINE OILER. HARRY V. HAIGHT, Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 6, 1924. Serial No. 690,980. 4 Claims. (Cl. 184-55.)

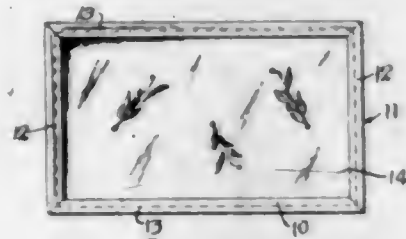
1. An air line oiler comprising in combination with an air line, a lubricant reservoir, a head for closing one

end of said reservoir and a member extending from said head into said air line, said member being formed with a passage adapted to permit a portion of the pressure



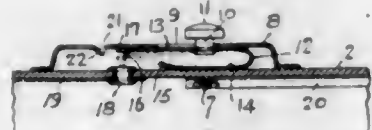
fluid from said air line to pass into the upper portion of said reservoir and a second passage adapted to communicate with a lower portion of said reservoir through which lubricant is adapted to be drawn.

1,520,024. SERVING TRAY. MAX HIMMELFARB, Brooklyn, N. Y. Filed Feb. 12, 1923. Serial No. 618,534. 2 Claims. (Cl. 65-33.)



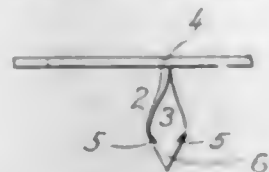
1. In a tray, a bottom member, a frame member having a rabbet therein and a groove in one side of said rabbet, an angle member having one side secured in said groove and the other side thereof held against the grooved side of the rabbet, a second angle member associated with said first angle member and held thereby having one side contiguous to the edge of the bottom member of the tray and the other side disposed below the bottom member to thereby support said bottom member, and waterproof material between the underside of the bottom member and the angle member whereby leakage of the tray is prevented.

1,520,025. SWITCH FOR PORTABLE ELECTRIC LAMPS. HARRY H. HIPWELL, Pittsburgh, Pa. Filed Aug. 13, 1923. Serial No. 657,135. 4 Claims. (Cl. 200-60.)



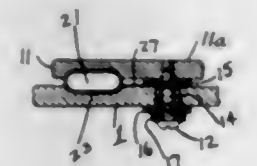
1. A switch for portable electric lamps comprising a casing, a fixed contact member within said casing, a movable contact member having an operating element extending through a slot in said casing, said movable contact member comprising a strip of spring metal having one end portion adapted to slide into engagement with said fixed contact member and having means at its opposite end for engaging said fixed contact member by direct inward movement, and means for engaging said movable contact member when said movable contact member is advanced toward said fixed contact member without preliminary inward movement, and for thereby locking said movable contact member against further advancing or inward movements and preventing engagement between said contact members.

1,520,026. NAIL BAND AND METHOD OF PRODUCING THE SAME. FRANK HUGH, New York, N. Y. Filed July 5, 1918. Serial No. 243,388. Renewed Apr. 30, 1924. 1 Claim. (Cl. 217-86.)



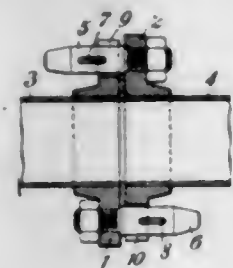
A nail band comprising a substantially flat body portion and a plurality of spaced nail portions extending integrally with and substantially normal to said body portion, certain of said nail portions being twisted and having terminal spearhead portions, the tail portions of said spearhead portions being out of alignment with the body portion of its nail portion.

1,520,027. CONDENSER AND HOLDER THEREFOR. ARTHUR ATWATER KENT, Ardmore, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Sept. 23, 1916. Serial No. 121,806. Patent No. 1,395,427, dated Nov. 1, 1921. Divided and this application filed Aug. 27, 1921. Serial No. 496,020. 5 Claims. (Cl. 250-41.)



1. The combination with a condenser unit, of a holder therefor comprising members between which said condenser unit is held, a terminal on said condenser unit extending transversely of the longitudinal extent of said unit to a distance from said unit, a spacing member between said holder members, and means securing said holder members against said spacing member, said terminal disposed between one of said holder members and said spacing member.

1,520,028. PIPE JOINT. WALTER KRAUSE, Friesack, Germany. Filed May 21, 1920. Serial No. 383,323. 8 Claims. (Cl. 285-130.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)

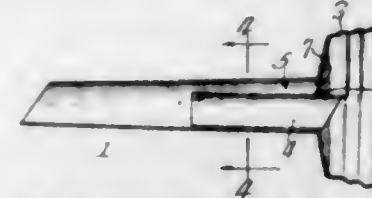


5. In a pipe joint, the combination, with the flanges of the pipes having at corresponding diametrically-opposite points, an outwardly open slit and a bolt extending lengthwise of the pipe, said bolt being adapted to enter said slit by a radial movement, the flange having said slit being also provided with a groove adjacent to the slit, of wedging means movable transversely in engagement with said bolt and, with said slitted flange at the groove thereof.

1,520,029. SPOUT FOR DISPENSING RECEPTACLES. HARVEY LEWIS, Chicago, Ill. Filed Sept. 17, 1923. Serial No. 663,060. 9 Claims. (Cl. 221-28.)

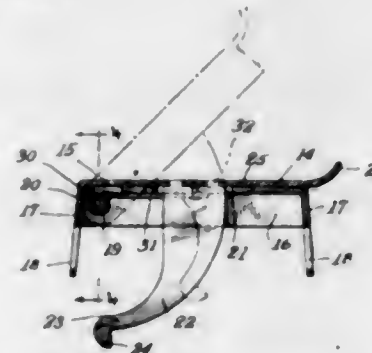
9. The combination with a dispensing receptacle, of a tubular spout attached to said receptacle and extending straight outward from one end thereof, and means dividing the spout into an air vent passage and a

liquid outflow passage with the latter smaller than the former, said means including a baffle and a vent opening for automatically controlling the outflow of



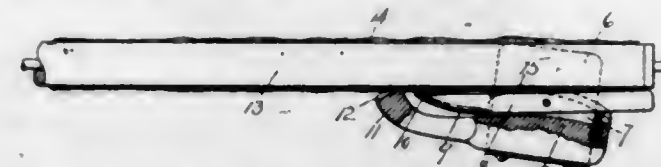
liquid from the receptacle into said liquid outflow passage upon turning the container about its longitudinal axis when held in an inclined pouring position.

1,520,030. LATCH FASTENER FOR BAGS. WILLIAM A. LOTZ, Newark, N. J., assignor to The T & L Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 3, 1923. Serial No. 672,520. 3 Claims. (Cl. 292-209.)



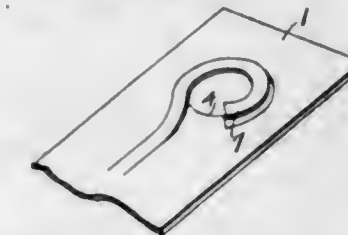
3. A bag latch fastener comprising a hollow body presenting a main level upper surface having a raised portion at one end, a latch plate normally level with the raised portion, said latch plate having side elements reaching rearwardly and embracing the side walls of said body, a pivot of angular cross section rotatable in the side walls of the body and fixed in the sides of the latch plate, a spring fixed in said body its free end being disposed below the raised portion thereof in contact with the sides of said pivot, a catch carried by said latch plate, and means on said catch limiting the outward motion thereof.

1,520,031. STRIPPER FOR UNDERCLEARER ROLLS. NOAH E. LUCAS, Norwich, Conn. Filed Nov. 3, 1923. Serial No. 672,669. 5 Claims. (Cl. 28-1.)



1. A stripper for underclearer rolls, said stripper including a base, and a knife pivotally mounted in the base and having a recess in its back edge intermediate its ends.

1,520,032. NUT LOCK. HAROLD WEED MCCULLOCH, New York, N. Y. Filed Jan. 26, 1921. Serial No. 440,128. 1 Claim. (Cl. 151-36.)

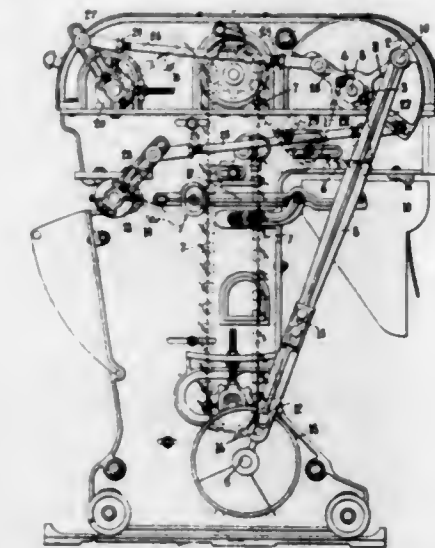


A sheet element having an aperture therein through which a threaded stem may pass, and also having a struck up resilient nut engaging prong extending from the interior of the sheet to the aperture and there around a portion of the edge of the aperture.

1,520,033. ALLOY. STUART EBAN MACGREGOR, Windsor, Ontario, Canada. Filed Dec. 28, 1921. Serial No. 525,521. 3 Claims. (Cl. 75-1.)

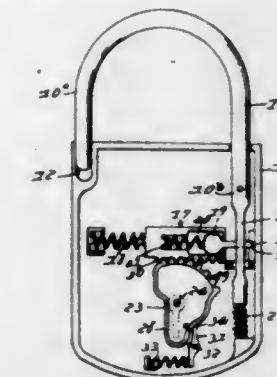
1. An alloy containing nickel and cobalt, not varying jointly, widely from 40 per cent of the total, each being present in substantial amount; chromium and tungsten, each not varying widely from 30 per cent of the total; and carbon, in appreciable amount.

1,520,034. CARD FEED. JOHN P. MACKIE, Belfast, Ireland. Filed Mar. 5, 1924. Serial No. 697,056. 8 Claims. (Cl. 19-68.)



2. In an automatic feeder for carding engines, the combination of a machine frame, a lattice mounted therein, a driving shaft mounted in said frame, a crank fixed on said driving shaft, a segment pivotally mounted in said frame, a connecting rod transmitting the drive from said crank to said segment and a doffer fixed to said segment in such a position as to be substantially balanced by said segment and said connecting rod.

1,520,035. PADLOCK. BASIL MITCHELL, St. Joseph, Mo. Filed Nov. 23, 1922. Serial No. 602,789. 1 Claim. (Cl. 70-108.)

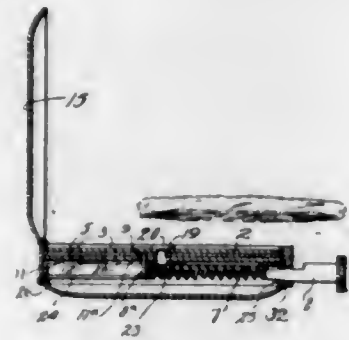


A lock having a sliding bolt and a key actuating release for the same, the latter consisting of a hollow rocker provided with a segmental series of teeth in engagement with a rack on the bolt, the rocker having a reduced portion constituting a key ward seat and being provided in the wall adjacent said ward seat with a second seat, a spring actuated pivotally mounted latch provided with a tongue for engagement with said second seat and normally disposed in the path of movement if an ear on the key ward, a post being provided as a fulcrum of the rocker and the pivot of the key.

1,520,036. TOILET-POWDER RECEPTACLE. JENNIE A. SWEAF, New York, N. Y. Filed Sept. 17, 1921. Serial No. 501,318. 6 Claims. (Cl. 221-64.)

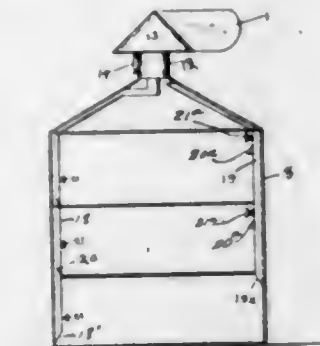
6. A receptacle having a hollow body portion, three plates respectively having uniformly distributed perforations disposed in close face to face relationship within

said hollow body portion, central pivotal means for rotatively mounting the intermediate and the lowermost of said three perforated plates, said intermediate and said lowermost plates being respectively provided with slots extending eccentrically to said central pivotal means, resilient means normally holding the intermediate plate whereby its perforations are out of register with the perforations of the uppermost plate and also out of register with the perforations of the lowermost plate and a stem extending exteriorly of said hollow



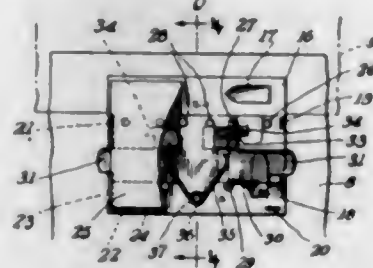
body portion and having an interior projection extending into said slots for moving the intermediate plate and the lowermost plate to firstly effect registry of the perforations of the intermediate plate with the perforations of the uppermost plate while out of register with the perforations of the lowermost plate and for subsequently effecting registry of the perforations of the intermediate plate with the perforations of the lowermost plate while out of register with the perforations of the uppermost plate.

1,520,037. VENTILATION SYSTEM. CHARLES H. TOWER, Holyoke, Mass. Filed July 23, 1920. Serial No. 398,538. 1 Claim. (Cl. 98-9.)



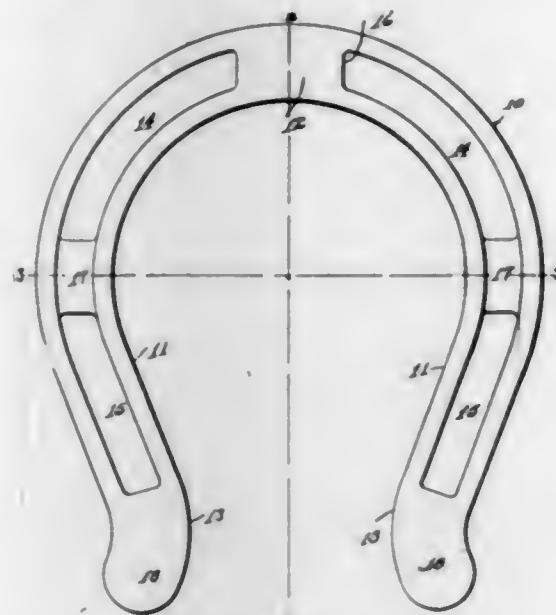
A ventilating system consisting of the combination of a building having a plurality of superimposed compartments of a cold air pipe having an outlet opening near the floor of each compartment and having its wall insulated against the transference of the heat in the compartments to the cold air flowing therein, a stationary bearing on the building, a ventilator mounted to rotate on said bearing and provided with an intake opening on one side thereof and a wind vane on the opposite side to maintain the intake in wind-facing direction, an elbow conduit having rotatable connection with the upper end of the cold air pipe and permanent connection with the intake, said ventilator having a warm air outlet facing in the direction of the wind vane, and a warm air pipe having a warm air inlet near the ceiling of each compartment and an outlet discharging into the warm air outlet of the ventilator, whereby a thermo-circulation is maintained in the compartments and the velocity of this circulation will be accelerated by wind pressure upon the cold air pipe, and upwardly inclinable and inwardly opening deflecting valves for closing and opening said cold air outlets.

1,520,038. LOCKING CATCH FOR PORTFOLIOS AND THE LIKE. HUGO TUECKMANTEL, Newark, N. J., assignor to The T & L Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed June 15, 1923. Serial No. 645,489. 5 Claims. (Cl. 292-42.)



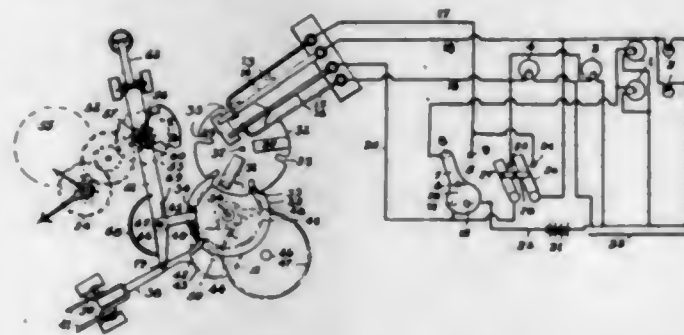
3. A locking catch comprising a casing open throughout at its upper edge, a pair of bolts slidable therein, said bolts normally extending outward beyond the ends of said casing, a single spring operative between said bolts, reversed hook detents on said bolts, a pair of keepers engageable with said detents, said keepers being shaped to retract said bolts when making engagement, and combined means for guiding said keepers and bolts.

1,520,039. GAME PIECE. CHRISTIAN J. WAHL, Michigan City, Ind. Filed Nov. 1, 1923. Serial No. 672,132. 2 Claims. (Cl. 273-196.)



1. A quilt in the form of a horseshoe and comprising a body having leg portions and a connecting bight portion, openings in the bight and leg portions, and webs whereby to balance the leg and bight portions.

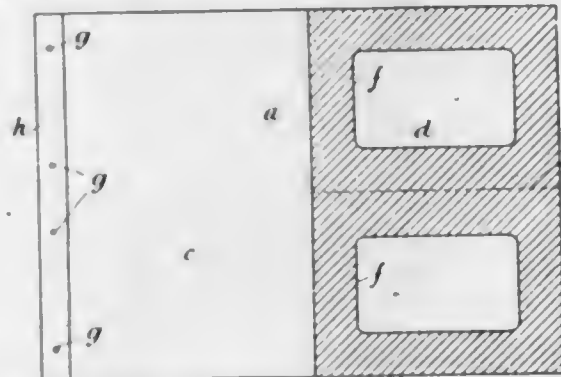
1,520,040. CONTROLLER FOR AUTOMOBILE LAMPS. FRED WALDORF, Pittsburgh, Pa. Filed May 4, 1923. Serial No. 636,686. 7 Claims. (Cl. 161-1.)



1. In an electric light-controlling system, a time-clock having a tripping mechanism automatically releasable thereby at predetermined times, an electric circuit containing an electric lamp and a switch, an electric gen-

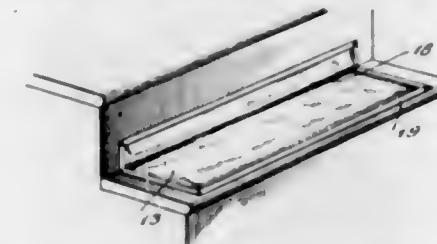
erator for the circuit, a motor-driven switch-controlling train of gears, means controlled by the tripping mechanism for releasing and stopping the said train of gears, a wheel driven step by step by the train of successive releases of the said tripping mechanism, means carried by the wheel for closing and opening the switch at alternate steps, a manually controlled switch having alternate contacts, one of the contacts being in series with the first switch, a second circuit including the generator, and a second lamp connectible to the second circuit by the second switch when on the remaining contact thereof.

1,520,041. PHOTOGRAPHIC MOUNT, ALBUM, AND THE LIKE. JOHN WALKER, London, England. Filed June 18, 1923. Serial No. 645,940. 3 Claims. (Cl. 129-20.)



1. An album leaf formed from a sheet of material of even thickness having at least one opening to one side of the middle of the said sheet and the surrounding surface rendered adhesive and adapted to be folded on the other portion of said sheet leaving a binding strip of single thickness, thereby forming an album leaf having a folded edge occurring opposite to the binding, and an upper folded-over portion which is not secured down by the binding.

1,520,042. STAIR TREAD. PAUL WALLISCH and WILLIAM CHOTT, Brooklyn, N. Y. Filed Nov. 28, 1923. Serial No. 677,451. 6 Claims. (Cl. 20-29.)

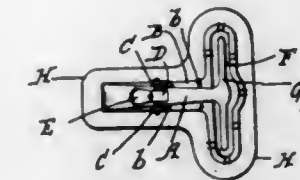


1. The method of making a padded stair tread having tread and riser portions, which consists in cutting a kerf in a semiflexible backing board of suitable dimensions, so as to provide a folding line, placing two rows of padding upon said backing board so as to leave an unpadded space adjacent said folding line, securing a covering to said backing board adjacent the periphery thereof, said covering having a surplus of material in the direction of the depth of said tread; and folding said backing board with the covering secured thereto so as to form a tread portion and a riser portion extending perpendicularly thereto, the surplus material of said covering being caused to form a re-entrant pocket in the space between said rows of padding and said re-entrant pocket being maintained solely by the pressure produced by said padding on said covering.

1,520,043. SAFETY NAPKIN CLIP. CHARLES SYDNEY WHITE, Marton, New Zealand. Filed Feb. 26, 1923. Serial No. 621,141. 1 Claim. (Cl. 24-258.)

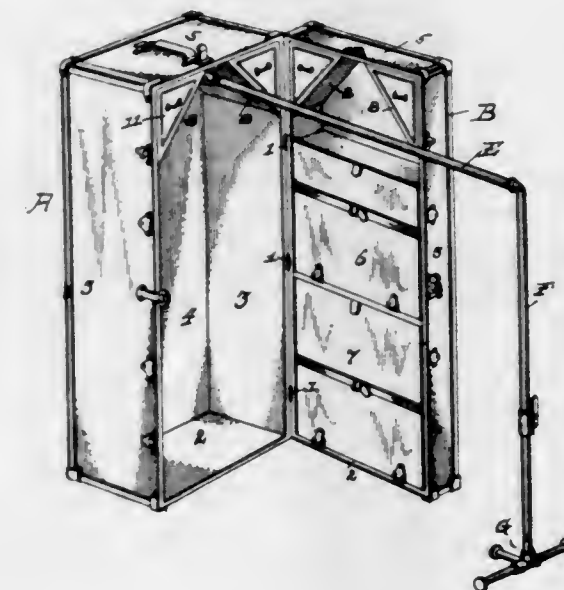
In a clip, the combination with a pair of spring jaws, of an elongated eye portion extending from the end of one of the said jaws at right angles thereto and project-

ing on both sides of said jaw, an elongated bar extending from the end of the other jaw at right angles thereto and projecting on both sides of the said other jaw and



adapted to engage in the said elongated eye portion, and a cam handle pivoted to the first mentioned jaw so as to force the said elongated bar into the said eye portion on the closing of the said jaws.

1,520,044. TRUNK. CHARLES T. WILT, Chicago, Ill., assignor to Wilt Trunk Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1923. Serial No. 617,679. 3 Claims. (Cl. 190-13.)



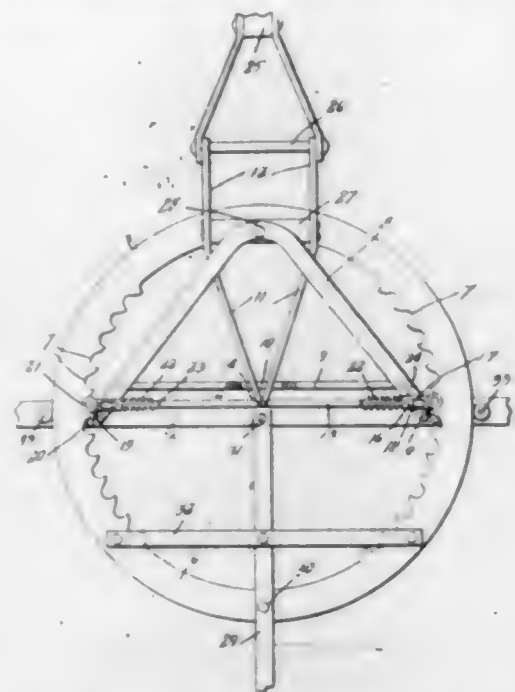
1. A flat top trunk having an open face compartment, a clothes hanger fixture secured along the median line of the top wall of said compartment, two chord members secured, one to each side wall of the compartment, inclined upwardly to and secured to the top wall, said inclined members, the side walls and the top forming a truss to bind the side walls together and to sustain weight on the top wall.

1,520,045. SQUEEGEE. ADAM P. WINIARSKI, New York, N. Y. Filed Apr. 14, 1924. Serial No. 706,600. 1 Claim. (Cl. 15-245.)



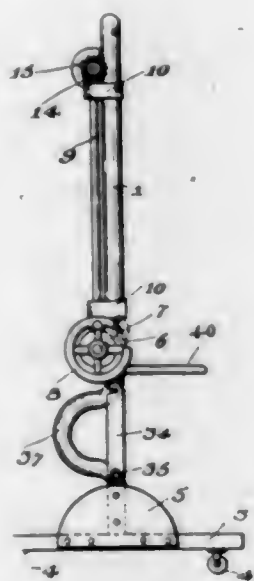
A squeegee comprising a tapered tubular body of a diameter to be securely grasped in the hand, said body formed of a sheet of material with its meeting edges extending outwardly in parallelism, a squeegee element clamped between the aforesaid edges, and a closure for one end of said body.

1,520,046. FIFTH-WHEEL CONSTRUCTION. SAMUEL E. WISHARD, Bagdad, Calif. Filed No. 19, 1923. Serial No. 675,711. 1 Claim. (Cl. 280—108.)



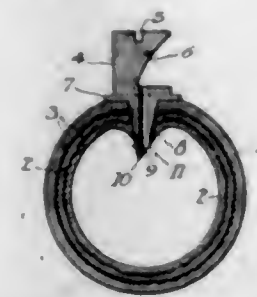
In a fifth-wheel construction, an axle, an upper fifth-wheel section having teeth formed on the inner edge thereof, sliding latch members carrying rollers mounted on the axle, and adapted to engage between the teeth, levers pivotally supported on the axle, spring members disposed within the levers and sliding latch members, said latch members adapted to normally hold the axle against movement, and means for automatically operating the levers to move the latch members to their inactive positions.

1,520,047. DEVICE FOR OPERATING CANDY KETTLES. RAY C. ALDEN and FRANK FOSS, Seattle, Wash. Filed July 14, 1923. Serial No. 651,606. 1 Claim. (Cl. 214—1.)



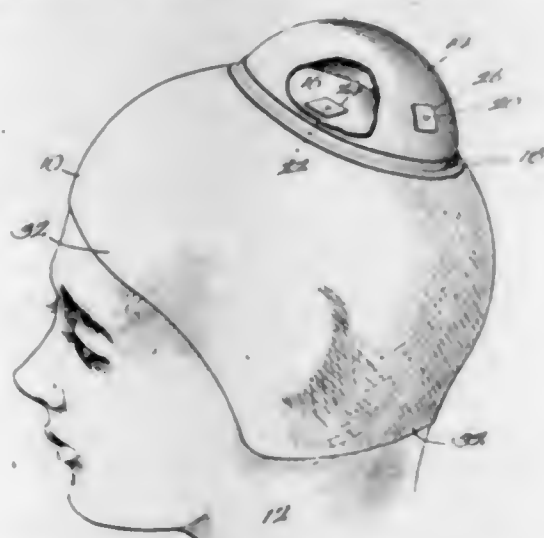
In a device for lifting and moving candy kettles the combination of a pair of spaced bases, rollers mounted on said bases, a frame carried by said bases, a shaft revolvably mounted across the top of said frame, a cross bar slidably mounted below said shaft and friction rollers carried at opposite ends of said cross bar and adapted to engage the walls of said frame, adjustably pivoted arms attached to said cross bar, jaw members carried at the lower ends of said arms adapted to engage and grip the handles of a kettle, means for raising and lowering said cross bar, means for tilting said kettle and means for holding said kettle in adjusted position.

1,520,048. SPRAY NOZZLE. CASSIUS M. CLAY HAIRD, Chicago, Ill. Filed Feb. 16, 1924. Serial No. 693,218. 5 Claims. (Cl. 112—59.)



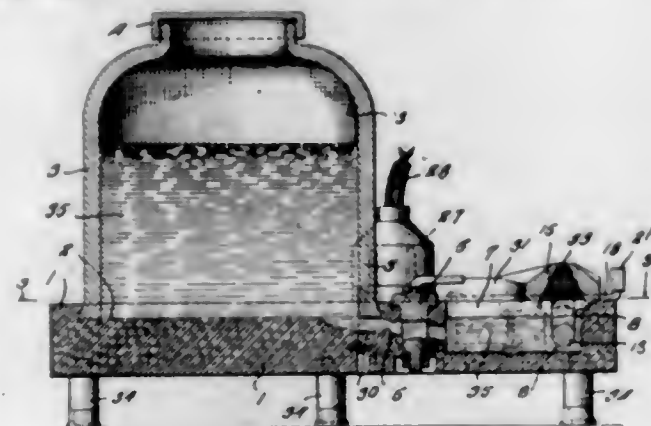
1. A spray nozzle of the class described comprising a body having a head and a conical threaded hollow nipple sharpened at its end.

1,520,049. BATHING CAP. LYNN W. BEMAN, Chicago, Ill. Filed Apr. 30, 1924. Serial No. 709,997. 2 Claims. (Cl. 2—68.)



1. As an article of manufacture, a bathing cap of flexible material for a person's head, the cap equipped at the top of the head with a semi-spherical member 14 a vacuum chamber between it and the cap, there being through the cap and semi-spherical member ports 22 and 20 closed by valves 24 and 26, all the parts being arranged and disposed as shown and described, for the purposes set forth.

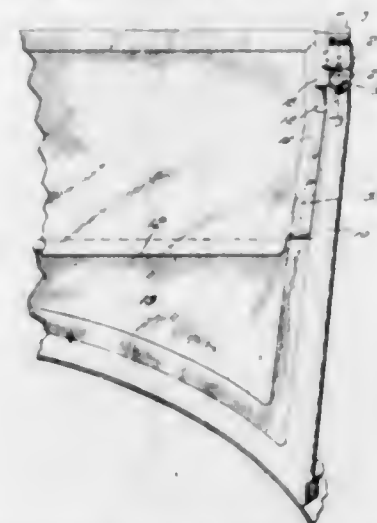
1,520,050. ELECTRIC HUMIDIFIER AND DEODORIZER. JOHN ERNEST BLOUNT, Louisville, Ky. Filed Dec. 1, 1923. Serial No. 678,038. 5 Claims. (Cl. 219—40.)



1. In an electric humidifier and deodorizer, the combination of a recessed base, a fluid-containing reservoir mounted in a recessed portion of said base, an air-tight cover removably mounted on the aforesaid reservoir to provide convenient means for filling same, the base having a heating compartment spaced from said reservoir, the base having a passage communicating from the in-

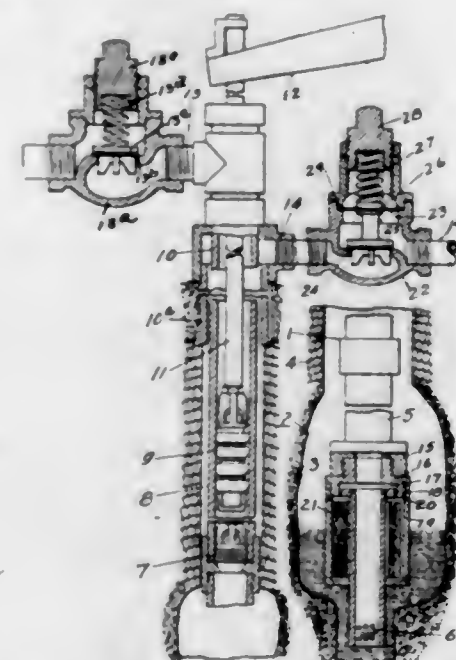
terior of the reservoir to the heating compartment, a manually controlled valve interposed in said passage, and electrodes extending into the well and spaced apart to form a suitable gap.

1,520,051. WINDSHIELD. JOSEPH BOCA, Buffalo, N. Y., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Filed Apr. 14, 1922. Serial No. 552,563. 4 Claims. (Cl. 296—92.)



1. The combination with an adjustable windshield or the like, of pivots mounted on said windshield, supports on which said pivots turn about a fixed pivotal axis, slidable connections between said shield and said pivots whereby said shield is shiftable edgewise of itself relatively to said pivots, and a single securing device operable to secure said shield against both said pivotal and sliding movements.

1,520,052. METHOD OF OPERATING OIL WELLS AND TREATING THE PRODUCTS THEREFROM AND APPARATUS THEREFOR. RUDOLPH CONRADER, Erie, Pa. Filed Nov. 15, 1920. Serial No. 424,179. 25 Claims. (Cl. 166—1.)



1. The method of operating oil wells which consists in maintaining a pressure on the well approximating the vapor pressure of the most volatile constituent of the oil vaporizing at well temperature at a pressure below the rock pressure.

1,520,053. ROLLER BEARING. HUGO DROTSCHMANN, Zurich, Switzerland. Filed Feb. 11, 1924. Serial No. 691,980. 5 Claims. (Cl. 64—39.)

1. A roller bearing having in combination, an inner race ring and outer race ring, continuous shoulders at

each side of the rings between which the races are formed and two sets of rollers mounted in the races between the rings and shoulders, the rollers of one set having a length substantially equal to the width of the race and the rollers of the other set having a length

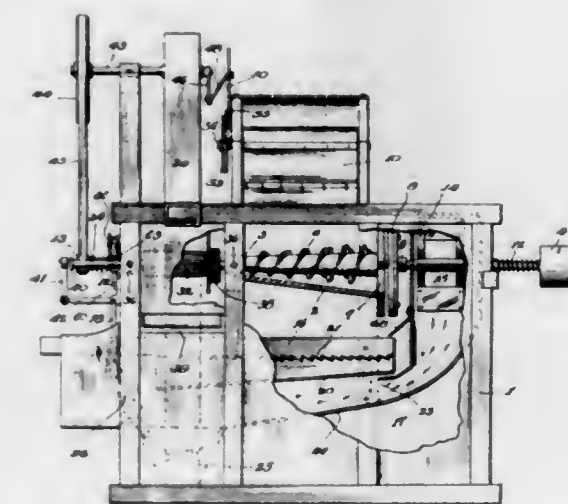


such that when two such rollers are in axial alignment their combined lengths are substantially equal to the width of the race, the single rollers of the first set having end contact with said flanges and a roller of each pair of the other set having but one end face contacting with a shoulder and their adjacent end faces contacting.

1,520,054. PROCESS FOR THE MANUFACTURE OF SEALING CAPS AND FOR APPLYING THEM ONTO THE VESSELS TO BE SEALED. ADOLF DEMLTZ, Hirschberg, Germany. Filed May 5, 1924. Serial No. 711,247. 1 Claim. (Cl. 18—58.)

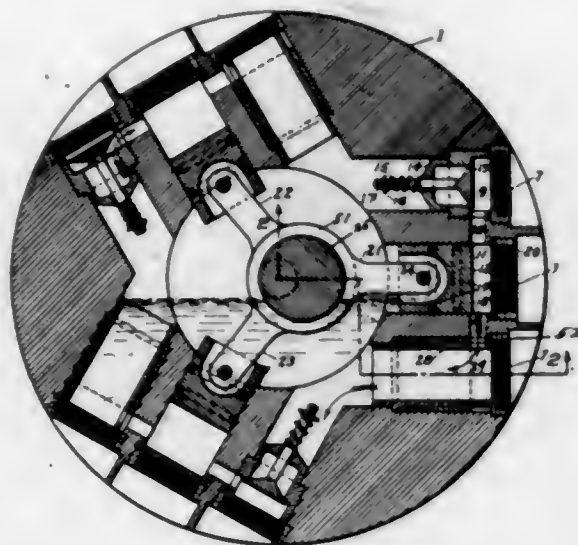
A process for obtaining a sealing cover consisting in mixing with acetyl cellulose a water-soluble softening agent, forming therefrom a pellicle on a former and in treating the pellicle while on the former with water, for the purpose of causing an exchange of the softening agent for water to take place and of causing only a slight swelling of the pellicle.

1,520,055. SEPARATOR AND GRINDER. MICHAEL FEIST, Rowena, Tex. Filed Dec. 13, 1922. Serial No. 606,732. 2 Claims. (Cl. 130—27.)



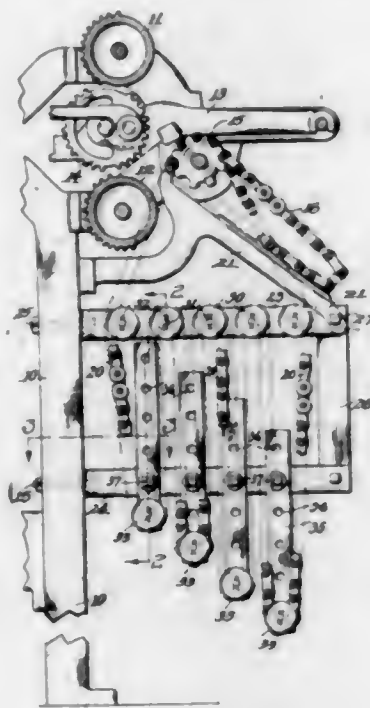
1. An apparatus for the purpose set forth comprising a main shaft, a threshing mechanism mounted upon the main shaft, a feeder on the main shaft arranged adjacent the threshing mechanism to feed grain thereto, grinding mechanism disposed at the opposite end of the feeder and operated by the main shaft, and means for receiving the grain from the threshing mechanism and delivering it to the grinding mechanism.

1,520,056. FLUID TRANSMISSION. EDWARD E. FLUKE, Bearcreek, Mont. Filed Feb. 11, 1924. Serial No. 691,919. 3 Claims. (Cl. 192-60.)



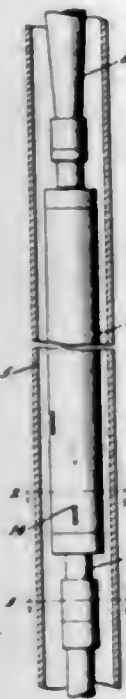
3. In a fluid transmission, the combination of a block having a cylinder therein, a shaft extending into the block, and a piston working in the cylinder and operatively connected to the shaft, an outlet valve chamber communicating with the cylinder and with the interior of the block, a tubular bushing in said chamber and having a port, a sleeve valve working between the bushing and the wall of the chamber and controlling said port, and exterior means to shift the valve.

1,520,057. SUPPORT FOR DROP-BOX PATTERN CHAINS. FRANK L. FERGAL, Warren, Mass. Filed Apr. 10, 1924. Serial No. 705,639. 3 Claims. (Cl. 139-332.)



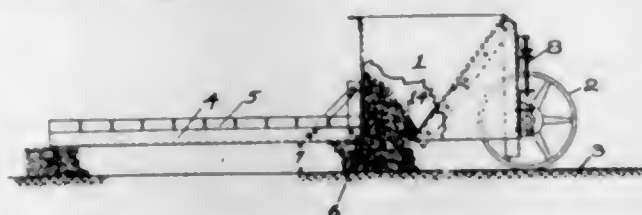
1. In a loom, a support for a drop box pattern chain comprising a series of guide rolls mounted on fixed pivots, a second series of guide rolls mounted for vertical adjustment in said support, and means to hold the rolls of said second series in adjusted position, said latter means permitting separate vertical adjustment of each roll in said second series to vary the storage capacity of the chain support.

1,520,058. EQUALIZER. JOHN H. GIBSON, Bruma, Pa. Filed Mar. 16, 1923. Serial No. 625,683. 1 Claim. (Cl. 103-224.)



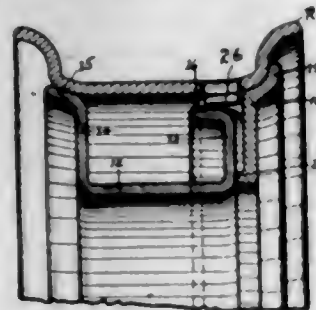
An equalizer including a tubular section having threaded end portions adapted for connection with a sucker rod, the wall of said tubular section having openings formed therein, and said openings being disposed spirally of the tubular section throughout a portion of the length of the tubular section.

1,520,059. STONE SPREADER. ALEXANDER JEFFREY, Saginaw, Mich. Filed July 16, 1923. Serial No. 651,826. 4 Claims. (Cl. 94-46.)



1. A stone spreader comprising a pair of supports adapted to run on the subgrade to be covered, an open-bottomed hopper carried by said supports and vertically adjustable with relation thereto, a rearwardly extending horizontal member rigidly secured to said hopper and adapted to ride upon the deposited layer of material and thereby support the rear part of the hopper independently of the subgrade.

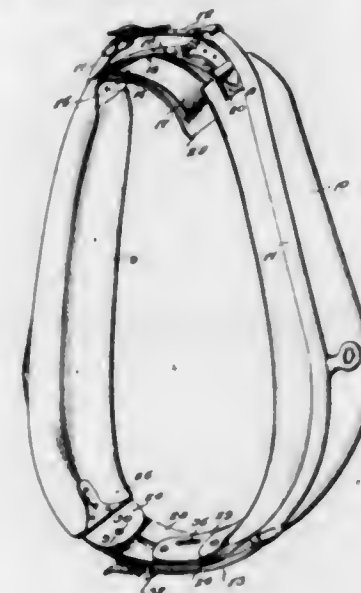
1,520,060. WHEEL. OTTO H. JONSKI, Cleveland, Ohio, assignor, by mesne assignments, to James H. Wagenhorst, Jackson, Mich. Original application filed June 7, 1920. Serial No. 386,962. Divided and this application filed Feb. 2, 1922. Serial No. 533,738. 2 Claims. (Cl. 301-23.)



1. In a device of the class described, the combination of a felly, a tire rim mounted thereon and having a pair

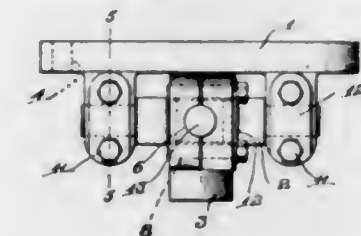
of lugs stamped up from said rim so as to extend radially inward thereof and oppositely directed circumferentially, and means for clamping said rim on the felly, and including a wedge member extending between said rim and felly, and slotted to receive said pair of lugs.

1,520,061. HORSE COLLAR. GEORGE R. KELLY, Dover, Mo. Filed Aug. 9, 1923. Serial No. 656,506. 2 Claims. (Cl. 54-21.)



1. In a collar fastener for a collar comprising a pair of pads, a hinge for each pad, said hinges including inner and outer plates riveted to the pads, links gripped between said plates, radially directed pins between said plates and said links, a slidable connection between said links including a loop pivoted to one of the links, and the other link having a longitudinal slot through which said loop projects.

1,520,062. COUPLING. GUSTAV E. KOHLER, Rochester, N. Y. Filed Feb. 20, 1923. Serial No. 620,216. 1 Claim. (Cl. 114-191.)

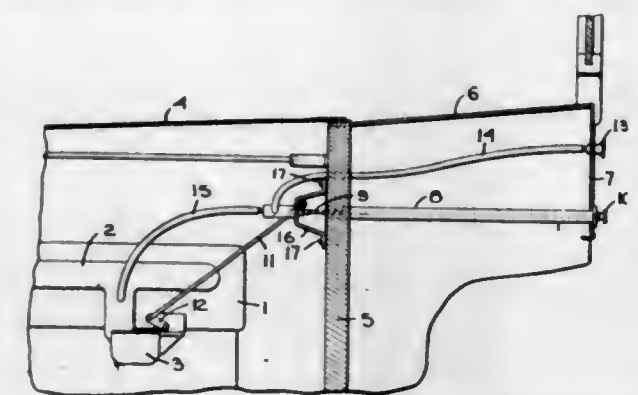


A coupling comprising an intermediate member formed with four cylindrical bearings projecting radially in two pairs, the members of each pair being aligned, and two anchoring members, each anchoring member having two lugs, each with a segmental bearing surface formed thereon to cooperate with two of the aligned cylindrical bearings on the intermediate member and two removable bearing members for each anchoring member, each removably and yieldingly held to the lugs of the anchoring member, the lugs of the two anchoring members extending in opposite directions so that a universal coupling is provided in which the desired friction may be imposed on the bearings and the elements of the coupling may be readily separated.

1,520,063. MANUFACTURE OF STEEL. PAUL RICHARD KUEHNRICH, Sheffield, England. Filed June 28, 1923. Serial No. 648,358. 3 Claims. (Cl. 148-19.)

1. The method of imparting hardening properties to iron or steel by suspending it in a bath of fused salts the bulk of which is relatively inert and is mixed with a proportion of other fusible salts containing boron, carbon and nitrogen, substantially as specified.

1,520,064. AUTOMOBILE CHOKER PROTECTOR. JOHN HOWARD LACY, Boston, Mass. Filed Oct. 10, 1924. Serial No. 742,921. 8 Claims. (Cl. 116-58.)



4. In an automobile a choker rod acting, when moved to open position, to permit an increase in the mixture supplied to the engine, a valve casing mounted adjacent a choker rod, a suction actuated signal, a pipe section connecting the valve casing to the signal, a pipe section connecting the valve casing to the intake manifold and a valve rod connected to the choker rod to move therewith and acting, when the choker rod is moved to open position, to connect the pipe sections and thus permit the operation of the signal and acting, when the choker rod is moved to closed position, to cut off the connection between the pipe sections and thus prevent the operation of the signal.

1,520,065. ARCH SUPPORT. LEON LOBEL, New York, N. Y., assignor to Dr. Lobel's Spring Arch Support Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 10, 1922. Serial No. 542,533. 1 Claim. (Cl. 36-71.)



An article of the class described comprising a supporting strip of flexible material of a single thickness, said strip being upwardly arched at a substantially central point, a spring below said upwardly arched portion for resiliently supporting the same, said strip being inwardly split from one of its sides at its rear end with a wedge-shaped section of a soft, cellular and yielding material held between the split portions of the strip to elevate the heel portion of the strip at one side, said strip also being split inwardly at its front edge, and a rounded cushion member adjacent the front edge of said strip forming an upwardly extending resilient protuberance on the upper face of the strip, said cushion member being formed by the insertion of a soft yielding and cellular section of rubber between the split portions of the strip adjacent the front edge of the same.

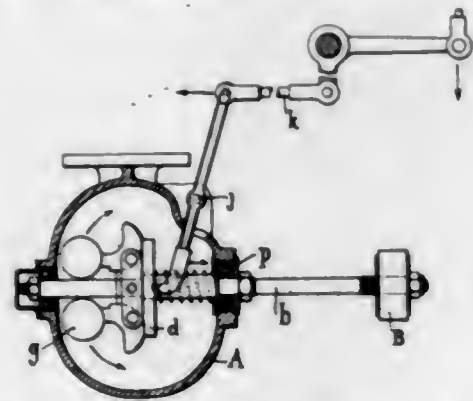
1,520,066. COMBINATION SHADE AND CURTAIN HANGER. JOHN P. MAHONEY, Amsterdam, N. Y., assignor of one-half to Michael J. Donohue, Amsterdam, N. Y. Filed Mar. 28, 1922. Serial No. 547,502. 1 Claim. (Cl. 156-24.)



A curtain and shade roller bracket consisting of a flat plate having a lateral vertical flange at one end and provided at its opposite end in its upper edge with a notch to receive a shade roller journal, the plate being further provided in its upper edge with a notch to re-

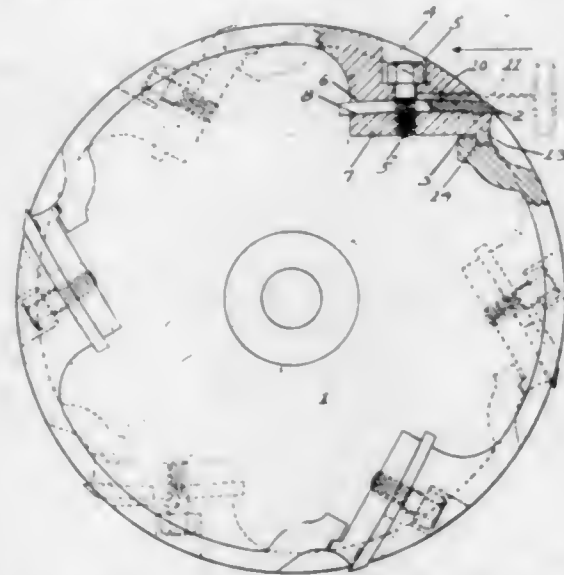
ceive the end of a curtain pole, and a finger rising from the base of said notch between the side walls thereof to enter an opening in the pole, said finger having a downturned free end at the inner side of the plate.

1,520,067. MECHANISM FOR AUTOMATICALLY LOCKING CARRIAGE DOORS. LEON MAURY, Begles, France. Filed Apr. 29, 1924. Serial No. 709,817. 4 Claims. (Cl. 105-395.)



1. In centrifugally operated mechanism for locking carriage doors, a shaft, a centrifugal governor on the same, a loose disc on the shaft, a fork to communicate movement to a linkage actuating the locks, a ball bearing for said disc, to constitute the supporting surface for said fork, and means to transmit motion from said governor through said disc and ball bearing to the fork.

1,520,068. KNIFE-CLAMPING DEVICE. PHILIP S. MITTS, Saginaw, Mich., assignor to Mitts & Merrill, a Corporation of Michigan. Filed Mar. 19, 1923. Serial No. 626,142. 4 Claims. (Cl. 83-6.)

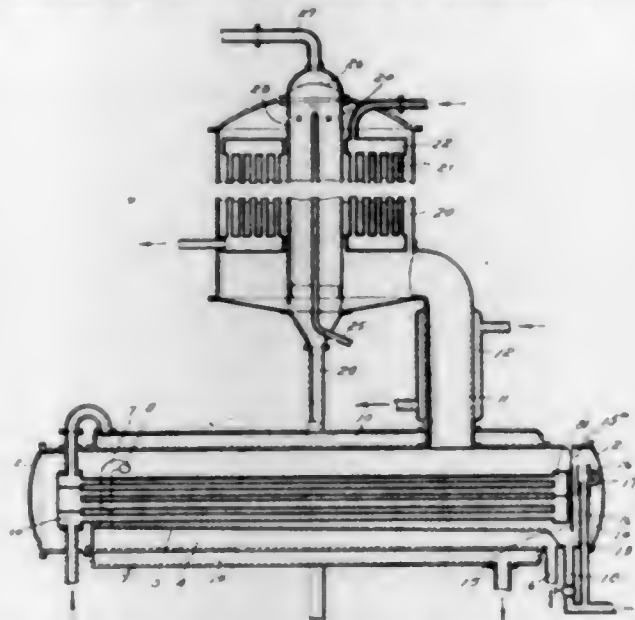


1. In a shredding machine drum, a knife-clamping device comprising a knife-receiving pocket in the periphery of said drum, a wall of said pocket curved, a clamping plate having a correspondingly curved face, a shredding knife received between the said curved wall of the pocket and the curved face of said clamping plate, an end of said clamping plate extending to and forming a closure for said knife-receiving pocket at the periphery of the drum, a bolt-socket formed in the exterior periphery of said drum, a bolt in said socket, an end of said bolt engaging said clamping plate, said bolt adapted when tightened from within said socket to clamp and bend said knife.

1,520,069. APPARATUS FOR EVAPORATING SOLUTIONS. ERDO MONTI, Turin, Italy. Filed Mar. 28, 1919. Serial No. 285,907. 3 Claims. (Cl. 159-28.)

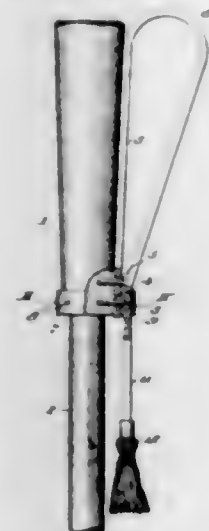
2. In a concentrating evaporator a horizontal cylindrical shell, a wall dividing said shell into an upper and a lower horizontal chamber, heating elements disposed

in the upper chamber, a conduit connecting said upper chamber with said lower chamber, means for introducing a liquid to be evaporated into said lower chamber, means for exhausting vapors and means for discharging concen-



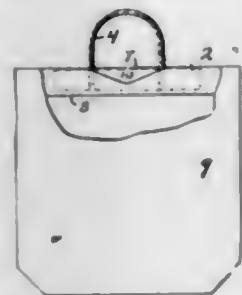
trate from said upper chamber, a cylindrical jacket surrounding said shell and forming a heating chamber through which said conduit extends and a common means for introducing a heating fluid into said heating chamber and into said heating elements.

1,520,070. UMBRELLA CARRIER. HANS P. NELSON, New York, N. Y. Filed June 27, 1924. Serial No. 722,770. 7 Claims. (Cl. 135-47.)



1. The combination with a retaining loop to be secured to the handle of an umbrella or the like, of a looped strap passed snugly through said retaining loop and adjustable frictionally therein for the purpose specified.

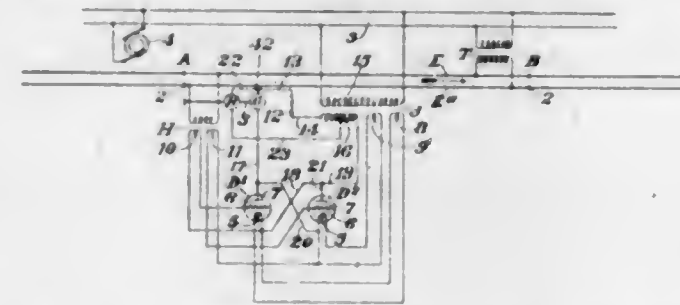
1,520,071. SHOPPING BAG. THOMAS J. NESTOR, Bergenfield, N. J., assignor to Alexander Reich and William Salzman, both of New York, N. Y. Filed Sept. 24, 1923. Serial No. 664,366. 6 Claims. (Cl. 229-54.)



4. The combination with a bag having its top portion folded over and having a handle securing flap cut

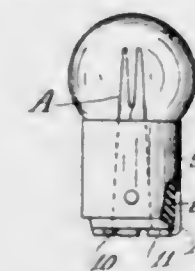
therefrom and having its edge at acute angles with the top edge of the bag, of a handle portion comprising a handle securing strip, a handle having its ends secured to said strip, said flap being folded and secured over said strip between the ends of said handle, the lower edge of said folded-over portion being continuous.

1,520,072. RAILWAY SIGNALING. FRANK H. NICHOLSON, Wilkesburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1921. Serial No. 463,234. Renewed Jan. 22, 1923. 68 Claims. (Cl. 246-38.)



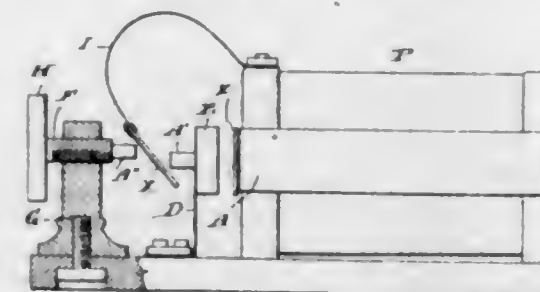
20. In combination, a section of railway track, a signal circuit for said section including a first signaling means and a source of current, means controlled by the presence and absence of trains in said section for modifying the resistance of said circuit, a branch around a portion of said circuit, and a second signaling means for said section controlled by said circuit and by said branch.

1,520,073. ELECTRICAL CONNECTION. CHARLES HERBERT OCTMPEUGH, Rochester, N. Y. Filed July 1, 1921. Serial No. 481,994. 7 Claims. (Cl. 200-130.)



1. An electrical-connecting member comprising an insulator, a sleeve surrounding said insulator and formed of conducting material, two terminals carried by said insulator, one of said terminals being eccentrically arranged and the other of said terminals having a portion centrally arranged and extending laterally to an eccentric position, and an electrical connection between one of said terminals and the sleeve constructed to be automatically destroyed upon the passage of an excess of current through the connection.

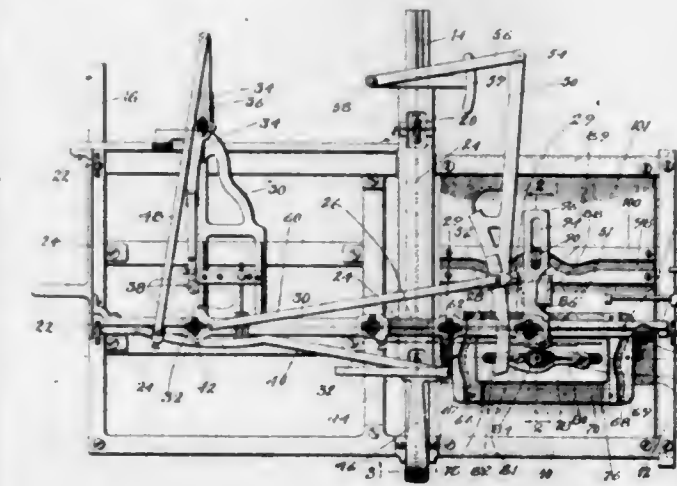
1,520,074. ELECTRIC INTERRUPTER. JUAN ANTONIO OTERO, La Plata, Argentina, assignor to Genaro William Cook, La Plata, Argentina. Original application filed Dec. 26, 1917. Serial No. 208,877. Divided and this application filed Mar. 7, 1922. Serial No. 541,806. 1 Claim. (Cl. 200-90.)



In an interrupter for electrical circuits, the combination of an electro-magnet, a vibrating armature attracted

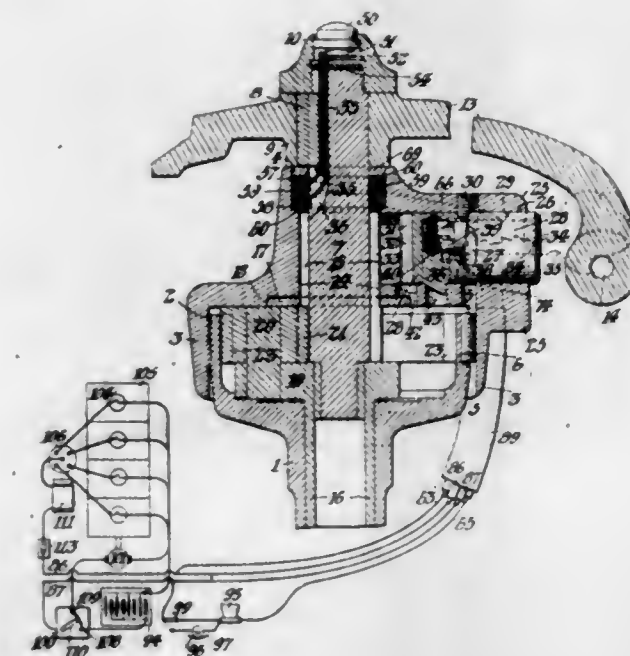
by said electro-magnet, said armature being provided, on the side opposite from the one facing the magnet, with a projecting contact piece, a stationary contact facing the said contact piece of said vibrating armature at a different level therefrom, and means to complete the contact between said vibrating armature and said fixed contact, said means consisting of a metal disk resiliently suspended in an inclined position between said armature and said fixed contact.

1,520,075. PATTERN-GRADING MACHINE. ROSCOE M. PACKARD, Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 24, 1920. Serial No. 353,738. 49 Claims. (Cl. 33-23.)



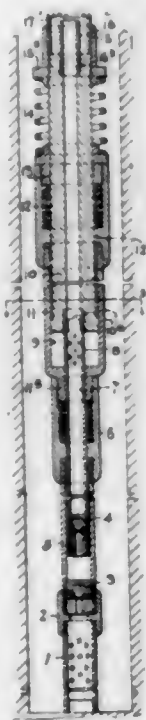
1. In a pattern copying machine, model and work holders, a model follower and a tool, and mechanism connecting said elements for causing said tool to systematically reproduce and shift differential elements of a model in relation to a plurality of axes in accordance with any predetermined law.

1,520,076. VEHICLE LOCK AND ELECTRIC CIRCUIT. ARTHUR E. PAIGE, Philadelphia, Pa. Filed Apr. 7, 1924. Serial No. 704,857. 9 Claims. (Cl. 123-146.5.)



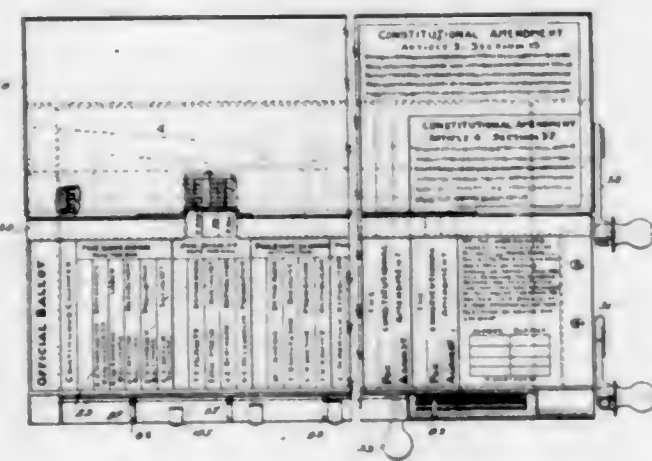
1. In a self-propelled vehicle, the combination with a motor; of an electric circuit controlling the operation of said motor when closed; two switches in said circuit, so arranged that both must be opened to stop said motor; and a lock for said vehicle, arranged to hold one of said switches closed until the vehicle is locked.

1,520,077. PUMPING APPARATUS FOR WELLS. VICTOR H. PALM, Butler, Pa. Filed Nov. 28, 1923. Serial No. 677,527. 10 Claims. (Cl. 103-46.)



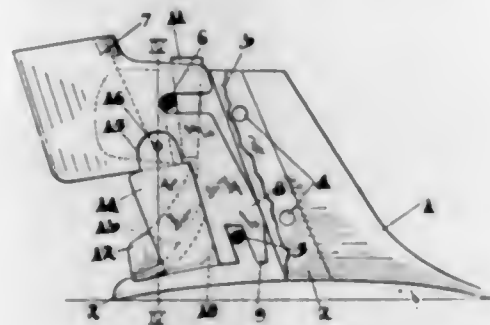
1. The combination of a standing-valve, a working-barrel, a hollow-plunger in said working-barrel having pressure areas of varying size, a working-valve carried by said plunger, said hollow-plunger communicating with said working-barrel at an enlarged area of the plunger, and means for raising and lowering said hollow-plunger, the hollow passage of said plunger extending from the upper end thereof and communicating with the working-barrel.

1,520,078. VOTING MACHINE. JOHN PATTEN, Baltimore, Md., assignor of one-half to S. M. Shoemaker, Burnside, Eccleston, Md. Filed May 2, 1921. Serial No. 466,139. 11 Claims. (Cl. 237-54.)



1. A voting machine including in combination, a plurality of counting devices, one counting device being provided for each candidate, means for concealing said counting devices from view during the voting, and means for supporting a ballot on said machine, having a list of candidates printed thereon, with an edge of the ballot adjacent the counting devices and the printed name of each candidate opposite a separate counter so that the sums recorded by the counting devices may be conveniently transcribed to the ballot when the counting devices are uncovered.

1,520,079. HOE FOR CULTIVATORS AND SEED DRILLS. PETER PERDUE, Seaforth, Ontario, Canada. Filed Aug. 24, 1922. Serial No. 584,222. 3 Claims. (Cl. 27-113.)

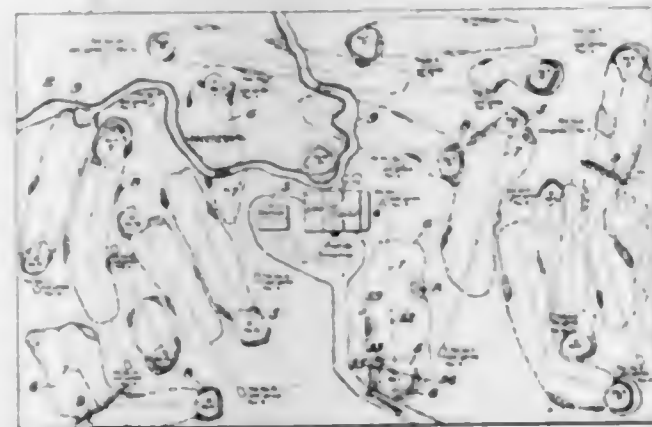


1. In a device of the character described, a hoe comprising a forward cutting portion having a pair of separate outwardly and rearwardly directed cheek pieces secured thereto, the distance between the rear portions of said cheek pieces being gradually increased from top to bottom, the central rear portions of said cheek pieces being deeply cut away to form gaps through which soil may pass, the portions of each cheek piece above the gap being directed substantially vertically and the portion below the gap at an acute angle to the horizontal.

1,520,080. RECOVERING ALUMINUM CHLORIDE. GEORGE L. PRICHARD and HERBERT HENDERSON, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 10, 1922. Serial No. 542,537. 4 Claims. (Cl. 23-13.)

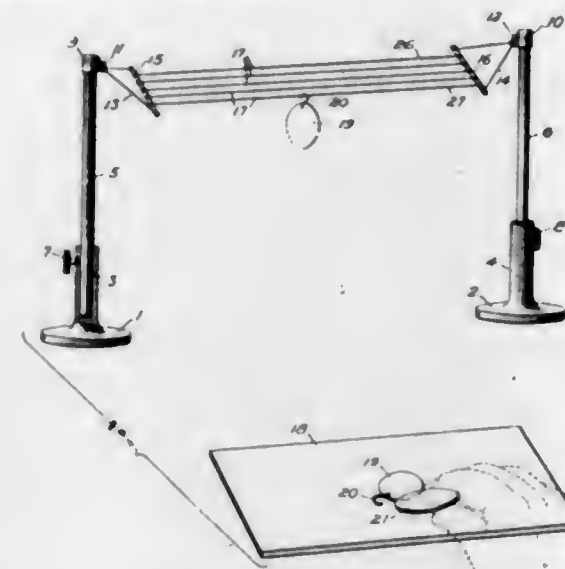
1. In the recovery of aluminum chloride from sludges containing the same, the process which comprises heating such sludge as a thin layer on the surface of a hot liquid immiscible therewith.

1,520,081. INDOOR GAME OF GOLF. WILLIAM REYNOLDS PERNELL, U. S. Navy. Filed Feb. 6, 1923. Serial No. 617,374. 2 Claims. (Cl. 273-87.)



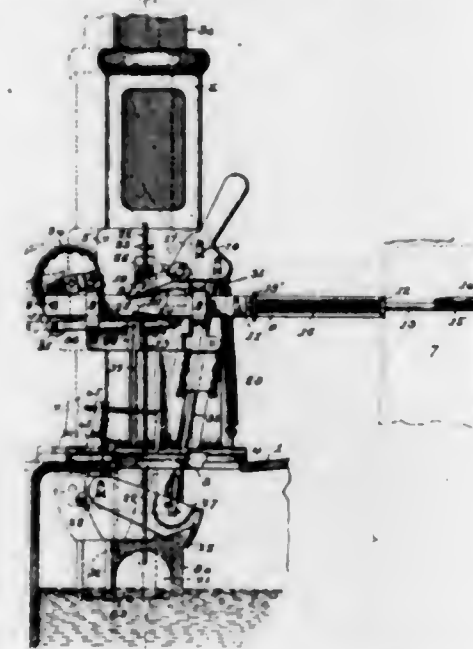
1. In an indoor game apparatus, the combination of a miniature golf course having representations of teeing ground, putting greens, holes and hazards; a control card provided with columns corresponding to the various clubs used in the outdoor game of golf and each column having a division designating each possible play of its corresponding club; a scale device comprising a sector-shaped frame and a measuring arm pivoted thereto, said device adapted to locate on said miniature course the position the ball is to occupy according to each of said divisions; and a die adapted to be thrown to determine from said control card which division is to govern the position of the ball on said course after each play.

1,520,082. RADIO GAME. WILLIAM R. PURNELL, U. S. Navy. Filed Oct. 16, 1923. Serial No. 668,823. 14 Claims. (Cl. 273-95.)



1. In an amusement device, the combination of a strand simulating a radio antenna; a chip provided with means adapted to engage said strand; and means adapted to be manually operated and requiring skill to cause said first named means to engage said strand.

1,520,083. POT-CHARGING MECHANISM. WILLIAM C. REDFIELD, Chicago, Ill. Filed Jan. 30, 1923. Serial No. 615,811. 14 Claims. (Cl. 22-80.)

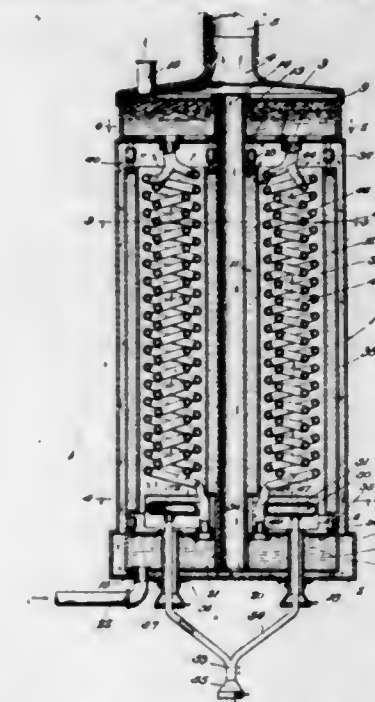


1. In a charging mechanism for reciprocating melting pots, the combination of an upright ingot chute mounted on the pot, a horizontal operating bar adapted for attachment to a fixed part of the pot supporting frame and having guide engagement with said chute, an ingot engaging yoke pivoted at the lower end of said chute, a rocker plate pivotally mounted on said chute, and operatively connected to said yoke, a pawl pivoted on the rocker plate and adapted for engagement with a tooth on said operating bar, a float arranged in the melting pot, and having a vertical stem the upper end of which is adapted to engage and swing said pawl into and out of the path of the tooth of the operating bar.

1,520,084. WATER HEATER. MARCUS L. RISHELL and SAMUEL AMES, Alexandria, Va.; said Rishell assignor to said Ames. Filed Apr. 22, 1921. Serial No. 463,602. 11 Claims. (Cl. 122-169.)

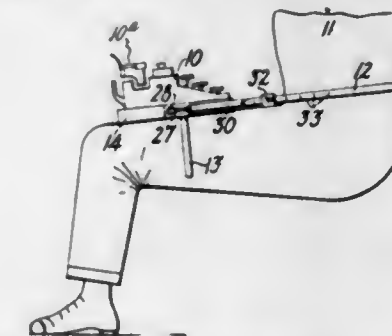
11. In a water heater, a shell having a closed top provided with a flue opening, a flue disposed vertically

within the shell with its upper end in position to discharge into the said flue opening and its lower end spaced above the bottom of the shell, a water head surrounding the upper end of the flue and closing the space between the same and the wall of the shell, a water outlet leading from the said head, a lower water head surrounding the lower end of the flue and spaced from the wall and bottom of the shell, a water inlet communicating with the lower water head, a water chamber surrounding the flue and spaced there-



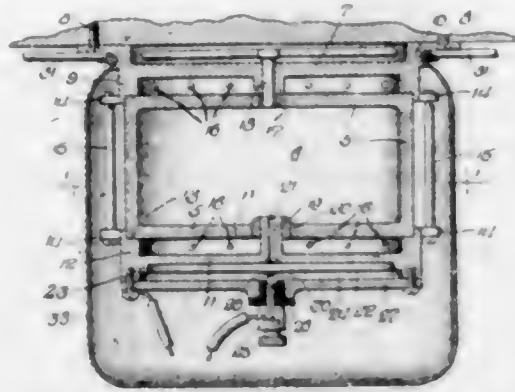
from and from the wall of the shell and at its upper end spaced from the upper water head, means closing the space between the lower end of the chamber and lower water head, a series of heating coils arranged within the space between the said flue and the water chamber and communicating with the upper and lower water heads, a burner within the shell above the lower water head and between the said fuel and the said water chamber, the water chamber surrounding the said flue and having a wall in common therewith, the last mentioned water chamber being in communication with the upper and lower water heads.

1,520,085. TYPEWRITING-MACHINE SUPPORT. CLINTON L. ROSSITER, Jr., Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 8, 1922. Serial No. 541,922. 5 Claims. (Cl. 45-52.)



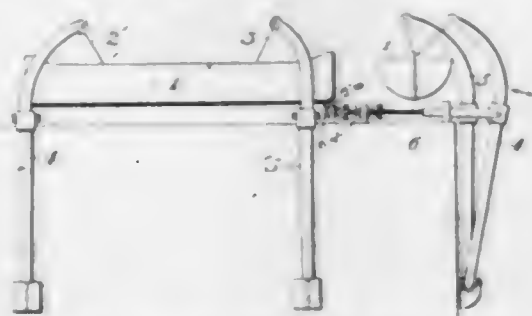
1. A new article of manufacture comprising a lap board for holding a typewriting machine stationarily on the lap of the typist, said board having means around its periphery engaging the sides of the typewriting machine base to center the typewriting machine thereon, and prevent its sliding on the surface of the board while being used, said board also having devices thereon for attachment of anchors, anchors comprising clasps attachable to the devices and extending below the bottom of said board and adapted to rest on the sides of the legs of the typist and a belt for anchoring the board to the trunk of the typist and attachable to said devices on the board.

1,520,086. FIRE AND GAS ALARM DEVICE. WILLIAM G. SANDERSON, Chicago, Ill. Filed Apr. 29, 1922. Serial No. 557,478. 2 Claims. (Cl. 200—52.)



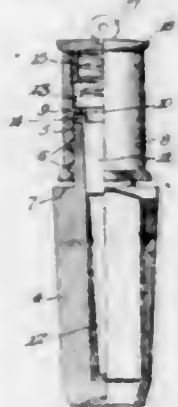
1. A circuit controlling device, such as described, comprising a substantially closed chamber having a porous wall, a flexible wall and contacts closed by movement of the flexible wall, and a removable flange bag substantially surrounding the controlling device.

1,520,087. DAVIT. ANE P. SCHAT, Utrecht, Netherlands. Filed Dec. 26, 1919. Serial No. 347,637. 7 Claims. (Cl. 9—22.)



1. In a device of the character described, a pair of rotatable davits arranged to swing a lifeboat overboard one end in advance of the other, one of said davits being arranged to swing outwardly by gravity to cause it to act automatically, and the other davit being free to rotate but not adapted within itself to rotate by gravity.

1,520,088. BOTTLE. SAMUEL M. SCHENKIN, Lyndhurst, N. J. Filed June 28, 1923. Serial No. 648,296. 8 Claims. (Cl. 215—83.)

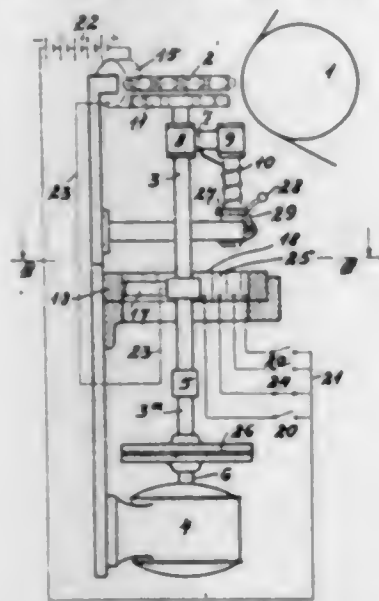


1. A bottle stopper having a plug portion and a head extending above the plug portion, in combination with a bottle cap having means to extend under the head and between the head and plug, and a spring between the cap and head.

1,520,089. ELECTRIC TYPEWRITING MACHINE. ARTHUR SCHENKUS, Berlin Wannsee, Germany. Filed Feb. 15, 1924. Serial No. 693,113. 5 Claims. (Cl. 197—12.)

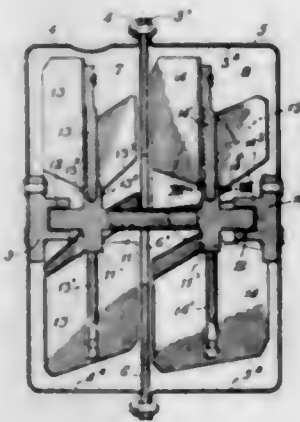
1. Electric type writing machine with rotating type wheel comprising in combination a platen, an oscillably

mounted shaft, a type wheel on said shaft, a stop wheel on said shaft, a source of power for rotating said type wheel shaft, a friction coupling inserted between said type wheel shaft and said source of power, a Cardan joint inserted in said type wheel shaft, a ring composed of sectors, means for electrically connecting each sector of said ring with one key, a brush on said type wheel



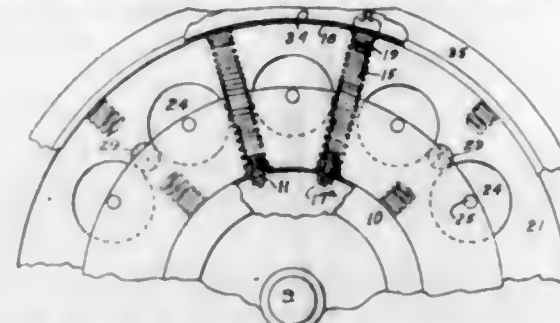
shaft sliding upon said ring, a pawl adapted to engage with said stop wheel, a pivot pin on which said pawl is pivotally mounted said pawl being arranged with regard to said platen so that when the pawl engages with the stop wheel said type wheel oscillates towards the platen and strikes against the same, an electromagnet inserted in the electric circuit and operating said pawl.

1,520,090. MUFFLER. SHERMAN W. SCOTFIELD and MARTIN W. MUEHLHAUSER, Cleveland, Ohio. Filed Oct. 13, 1919. Serial No. 330,200. 2 Claims. (Cl. 137—160.)



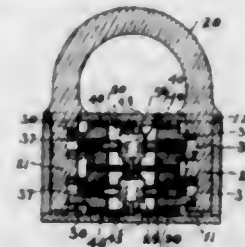
1. A muffler comprising, in combination with a cylindrical casing provided with an inlet and tangential inlet and outlet passages disposed in different planes perpendicular to the casing axis; a partition disposed in said casing, perpendicular to the axis of the latter, and dividing the same into a pair of compartments, one of the latter communicating with said inlet and the other communicating with said outlet, a shaft rotatably supported in said casing, two sets of fan blades mounted upon said shaft in said compartments, respectively, said fans adapted to be rotated by the exhausting gases, and means providing communication between said compartments, one set of said fan blades being set at different angles, respectively, to the axis of said shaft, the fan blades in the inlet compartment being set at an angle to the axis of said shaft materially greater than the angle at which said outlet compartment blades are set, whereby a suction is created in said inlet compartment and gases are delivered therefrom to said outlet compartment and also drawn from the inlet compartment and delivered through said outlet compartment to said outlet.

1,520,091. SPRING WHEEL. HUGO DE WATTEVILLE SENTHA, Weehawken, N. J. Filed July 16, 1921. Serial No. 485,185. 21 Claims. (Cl. 152—38.)



9. In a spring wheel embodying a hub and felly, means for maintaining said hub and felly in co-operative anti-frictional relationship with each other, springs of variable resilience between said co-operative parts, means for maintaining said springs therebetween, and means for limiting the movement of the co-operative parts.

1,520,092. COMBINATION PADLOCK. SAUL SHALER, Bronx, assignor of one-half to Abraham Shaler, New York, N. Y. Filed Jan. 20, 1922. Serial No. 530,613. 26 Claims. (Cl. 70—113.)



1. In combination, a lock body comprising end members having shank-receiving grooves and cylindrical holes intersecting the grooves; a shackle provided with shanks engageable in said grooves and having notches registerable with said holes; a center plate disposed between said end members and provided with upper and lower openings axially aligned with said holes; center pin blocks fitting in each of said openings and each provided with oppositely projected center pins aligned with said holes; and tumblers rotatable on said pins and each provided with a reduced end engageable in one of said holes and provided with a transverse kerf.

1,520,093. PROCESS OF MAKING SULPHURIC ACID. JAMES H. SHAPLEIGH, Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 13, 1923. Serial No. 668,278. 9 Claims. (Cl. 23—175.)

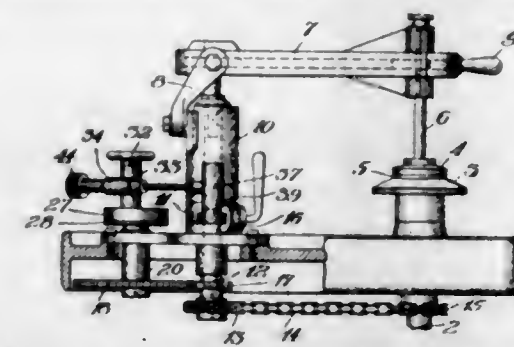
1. The process of making sulphuric acid which comprises effecting the combustion of sulfur with oxygen substantially undiluted with inert gases, subjecting the resultant sulfur dioxide to catalytic action to effect conversion of sulfur dioxide to sulfur trioxide while passing through the converter oxygen in process of that utilized in such conversion, whereby a substantial amount of oxygen passes with the sulfur trioxide from the converter, absorbing the sulfur trioxide from the mixture of the same with unconverted oxygen and any unconverted sulfur dioxide and again subjecting the unconverted and unabsorbed gases to said catalytic action.

1,520,094. LENS-GRINDING MACHINE. LEON G. SIMPSON, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 30, 1918. Serial No. 264,851. 5 Claims. (Cl. 51—124.)

1. In a lens grinding machine, the combination with a lens carrier and a grinding tool one of which parts has a to and fro movement relative to the other, of driving means, a clutch disk rotated eccentrically by said means, a second clutch disk in adjustable frictionally driven engagement with said first disk, and means

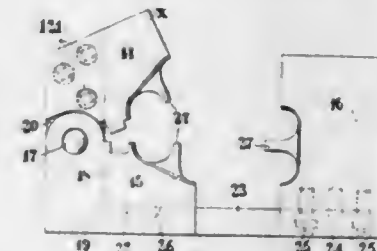
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connected with the movable one of said parts eccentrically connected with said second disk for effecting said to and fro movement.



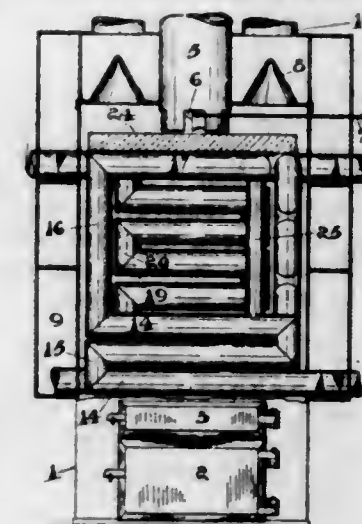
to And fro movement, said disks being adjustable relative to each other to vary the amplitude of said to and fro movement.

1,520,095. DIE FOR CONNECTING PIPES TOGETHER. HARRY ALEXANDER STENNING, London, England. Filed May 31, 1924. Serial No. 717,191. 8 Claims. (Cl. 78—60.)



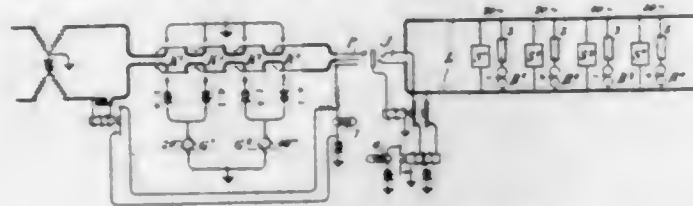
1. A die for connecting pipes together including a plurality of die elements movable relatively to each other, each die element being provided with a pair of grooves merging at one end into a common groove, and a projection extending outwardly between the pair of grooves, said projections being arranged to abut against each other when the elements are brought together to permit the pairs of grooves to form a plurality of apertures merging into a common aperture formed by said common grooves.

1,520,096. FURNACE. AUREY EDWARD STREADWICK, Toronto, Ontario, Canada, assignor to Streadwick Heat and Ventilating System Limited, Toronto, Ontario, Canada. Filed May 17, 1922. Serial No. 561,743. 2 Claims. (Cl. 122—371.)



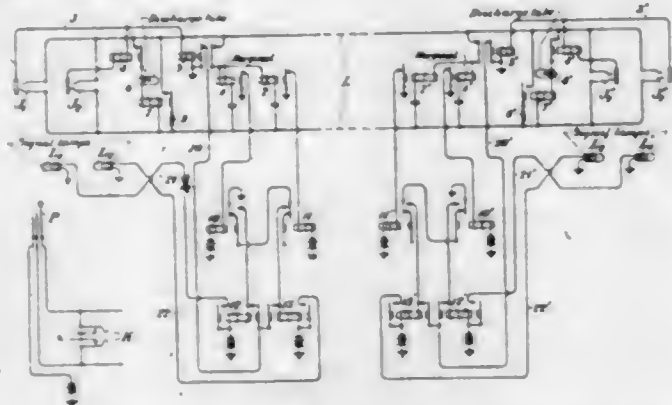
1. In a furnace, a rectangular fire pot having its sides formed of a plurality of closely spaced horizontal cylindrical tubes and short vertical tubes having fused mitred joints with the horizontal tubes; a rectangular combustion chamber over the fire pot having an open front, the sides and back being formed of spaced horizontal cylindrical tubes and short vertical tubes having fused mitred connections with the horizontal tubes; and a top formed of spaced horizontal cylindrical tubes and short horizontal connecting tubes having fused mitred joints with the aforesaid tubes.

1,520,097. SELECTIVE SIGNALING SYSTEM. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 3, 1923. Serial No. 678,251. 4 Claims. (Cl. 179-87.)



1. In a selective signaling system, line conductors, biased frequency selective signaling devices associated therewith adapted to be operated by polarized periodic current, direct current responsive means associated with said line, and means for impressing polarized periodic current of different frequencies upon said line to operate said selective signaling devices, means for impressing direct current of lower voltage than the polarized periodic current upon said line to operate said responsive means, and electrical discharge tubes in series with the signaling devices, said tubes being of such construction that they will present an open circuit to the direct current for operating said responsive means and will break down and allow to pass through them the higher voltage polarized periodic current used to operate said signaling devices.

1,520,098. SIGNALING SYSTEM. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 22, 1924. Serial No. 708,269. 5 Claims. (Cl. 179-43.)



1. A transmission line to which are applied currents of relatively low voltage and currents of higher voltage, and a circuit bridged across said transmission line including signaling means and a discharge tube, said discharge tube being of such construction that it will maintain said bridged circuit open when subjected to said low voltages and will operate to close said bridged circuit when subjected to said higher voltages.

1,520,099. WATERMARKING DANDY ROLL. GEORGE W. VEROW, Lincoln, Me., assignor to Eastern Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed May 12, 1924. Serial No. 712,842. 4 Claims. (Cl. 92-48.)



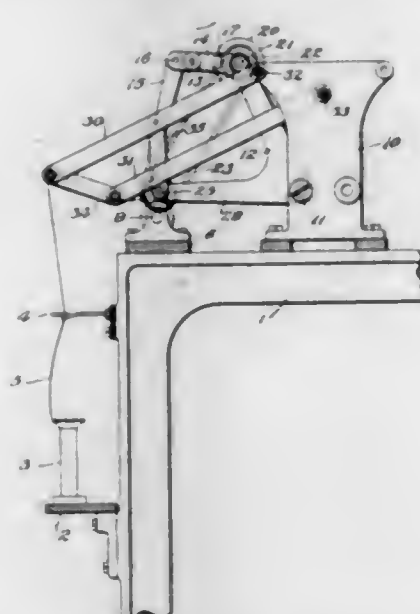
1. A dandy roll having a reticulated surface, and a watermarking element fixed thereto, the reticulations of said surface adjacent to said element being of larger size than those of the remainder of said surface.

1,520,100. REINFORCED DETACHABLE POCKET. SAMUEL ZETLIN, Baltimore, Md. Filed Sept. 2, 1924. Serial No. 735,452. 1 Claim. (Cl. 2-248.)



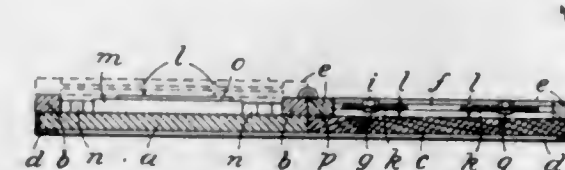
As an article of separate manufacture adapted to be attached to and detached from a garment having a slit therein, a pocket comprising a bag adapted to be extended through said slit, a substantially plane leather sheet having a slit through its central part, a substantially plane cloth sheet having a slit through its central part in registration with said slit of the leather sheet, the ends of these registering slits being separated from the margins of said sheets by means of solid parts of both plates, a leather binding and protecting strip extending through the registering slits and embracing these sheets and an edge of the bag's opening, stitching securing said binding and protecting strip to said sheets and bag in the relation for forming a substantial piping at the bag's opening, and a marginal row of stitching securing the margin of said leather sheet to said cloth sheet, the margin of said cloth sheet extending freely beyond all outer edge portions of said leather sheet and thus providing a convenient and durable means for attaching and detaching and re-attaching the pocket to a garment or garments by pins or stitching.

1,520,101. CONSTANT-SPEED WINDER. WILLIAM G. ABBOTT, Jr., Wilton, N. H. Filed Nov. 7, 1919. Serial No. 336,312. 13 Claims. (Cl. 242-26.)



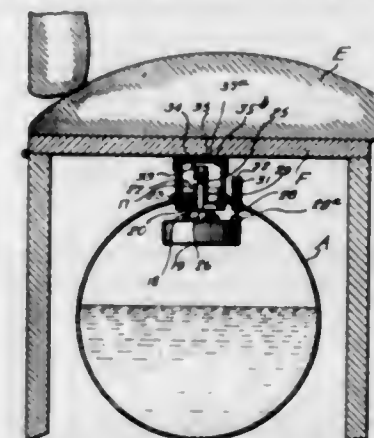
1. A winder having therein rotatable means for supporting the winding thread, means for contacting with and driving the surface of the winding thread mass at a constant velocity, whereby to rotate the supporting means in conformity therewith, a traverse guide for distributing the winding thread on the winding mass, and means for causing relative traverse between the guide and said rotatable supporting means in planes varying in position with the diameter of the winding mass and at a rate variable in response to the angular velocity of the rotary motion of said winding mass.

1,520,102. DEVICE FOR EFFECTING THE REGISTRATION OF PLATES FOR MULTICOLOR PRINTING. ELISHA BASSETT, London, England. Filed May 12, 1924. Serial No. 712,904. 5 Claims. (Cl. 33-184.5.)



1. A device for effecting the registration of plates for multi-color printing, comprising an iron slab for the reception of the mounting board, a wooden slab for the reception of the lay-out sheet, the slabs being butted and fixed together, and extending substantially in the same plane, a substantially flat frame, hinge means connecting said frame to said slabs so that it can be superposed on either slab, double-pointed pins arranged adjustably in said frame perpendicularly to the plane of the latter so that they can, by a reversal of the frame, be used for indicating identically related points on the lay-out sheet and on the mounting board and means connecting said pins to said frame.

1,520,103. MOTOR-VEHICLE FUEL-INTAKE VALVE. EDWIN LE GRAND BEERS, Brondalbin, N. Y. Filed Nov. 19, 1923. Serial No. 675,785. 1 Claim. (Cl. 137-68.)



A liquid fuel tank having in its upper wall a valve casing, a buoyant intake-port controlling valve in said casing unseatable by gravity when not buoyed up by contained liquid in said tank and seatable by rising liquid level in combination with a visually observable signalling device indicative of a filled condition of the tank; the valve casing being fixed in an opening in the upper wall of the tank and the signalling device comprising an upstanding, guiding member in communication with the chamber of the tank in combination with a member reciprocable in said guiding member and loosely mounted therein for venting the tank.

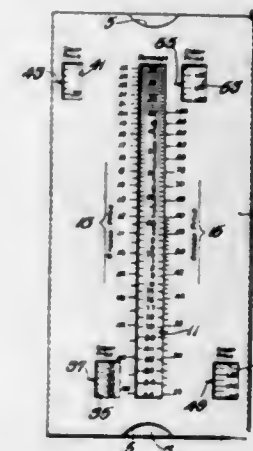
1,520,104. DISK WHEEL AND METHOD OF MAKING THE SAME. DAVID H. BELLAMORE, New York, N. Y. Filed Mar. 30, 1921. Serial No. 456,849. 18 Claims. (Cl. 301-63.)



17. A disk wheel embodying a disk provided with a hub opening, a cylindrical member extending through the

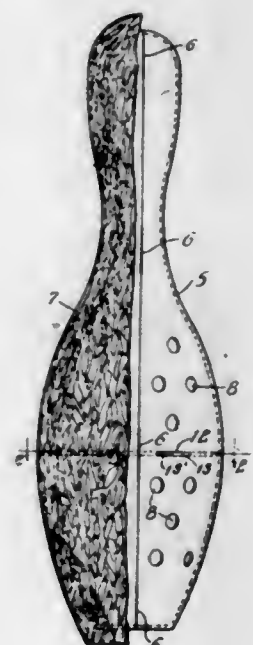
hub opening of the disk and provided on one end with a radially extending flange contacting with the disk intermediate the hub opening and the outer periphery of the disk, said disk being provided with an annular shoulder adapted to seat upon the outer periphery of the flange, and an annular bead formed on the cylindrical member and against which bead the disk is adapted to seat, that portion of the cylindrical member exteriorly of the disk being expanded for the purpose of clamping the disk firmly against the bead.

1,520,105. CALCULATING DEVICE. RICHARD S. BICKNELL, Nitro, W. Va., assignor to Elliot Bicknell, Newton Highlands, Mass. Filed Apr. 4, 1922. Serial No. 549,390. 4 Claims. (Cl. 235-70.)



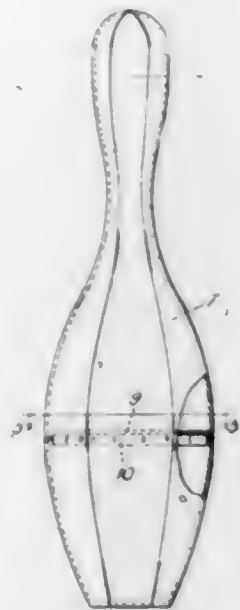
1. A calculating device having, in combination, two relatively sliding members having adjacent computing scales, one of the members being provided with two non-aligned result scales and the other member having two indexes whereby the result of the computation may be read against either one of the indexes.

1,520,106. BOWLING PIN. JOSEPH W. BISHOP and JESSE O. MATTESON, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1922. Serial No. 565,964. 15 Claims. (Cl. 273-82.)



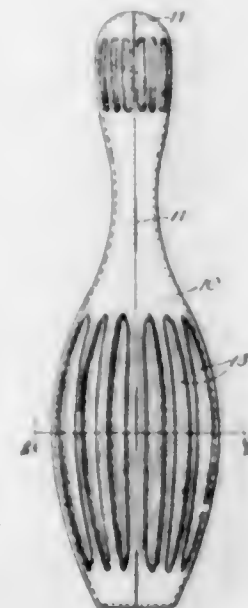
1. A bowling pin comprising an inner hollow metal core, and an outer covering vulcanized on and securely united with the surface of the core.

1,520,107. BOWLING PIN. JOSEPH W. BISHOP and JESSE O. MATTESON, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1922. Serial No. 565,965. 5 Claims. (Cl. 273-82.)



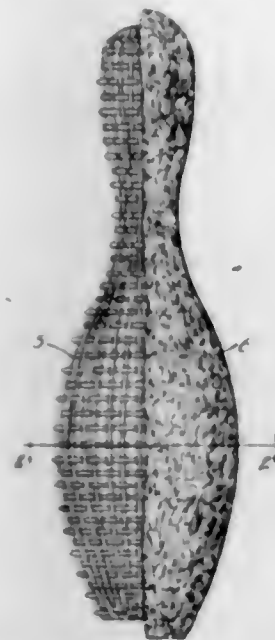
1. A bowling pin having a hollow core, a brace comprising a plate arranged within said core and having a peripheral flange secured to the core, and a composition covering enclosing the core.

1,520,108. BOWLING PIN. JOSEPH W. BISHOP and JESSE O. MATTESON, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1922. Serial No. 565,967. 6 Claims. (Cl. 273-82.)



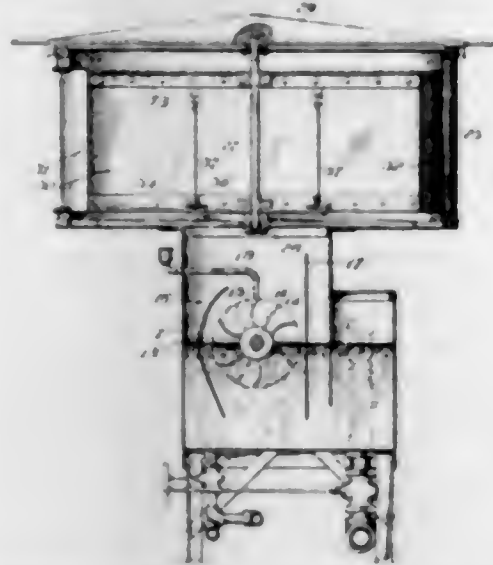
1. A bowling pin comprising a core having corrugations in its outer surface and a composition covering enclosing the core.

1,520,109. BOWLING PIN. JOSEPH W. BISHOP and JESSE O. MATTESON, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1922. Serial No. 565,968. 7 Claims. (Cl. 273-82.)



1. A bowling pin having a reticulated metal reinforce, and a composition covering embedding said reinforce.

1,520,110. DISHWASHING MACHINE. GEORGE S. BLAKESLEE, Chicago, Ill. Filed May 13, 1918. Serial No. 234,094. 11 Claims. (Cl. 141-9.)

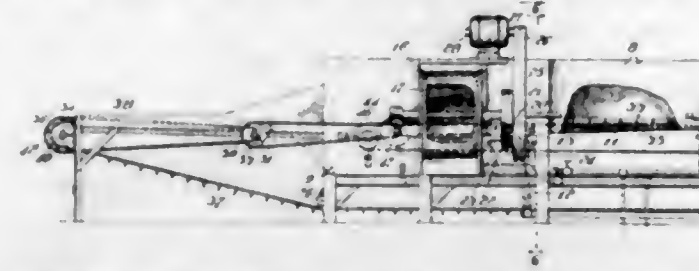


1. A washing machine comprising a tank open at the top, a turn-table adapted to rotate in a substantially horizontal plane above said tank and having means at one side of the axis thereof for supporting the articles to be washed, whereby by rotating said turntable such articles may be moved into or out of position to be washed, means for throwing water from said tank upward against said articles, a housing enclosing said turntable and having an opening for the passage of the articles to be washed, and a shield carried by said turntable for closing said opening.

1,520,111. WASHING MACHINE. GEORGE S. BLAKESLEE, Chicago, Ill. Filed July 6, 1918. Serial No. 243,673. 2 Claims. (Cl. 141-1.)

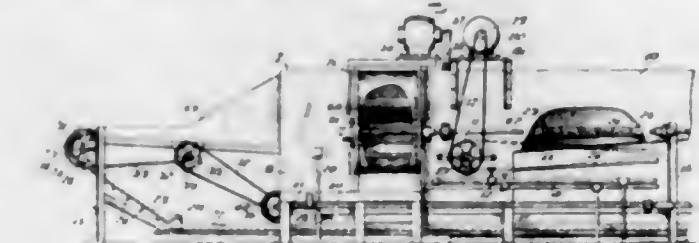
1. A washing machine, comprising a tank, a conveyer movable substantially horizontally thereover, a paddle wheel at one side thereof for throwing water from said tank laterally and downward upon the articles to be washed, a motor, means for driving said conveyer and

said paddle wheel from said motor, a transversely disposed paddle wheel under the path of the articles to be



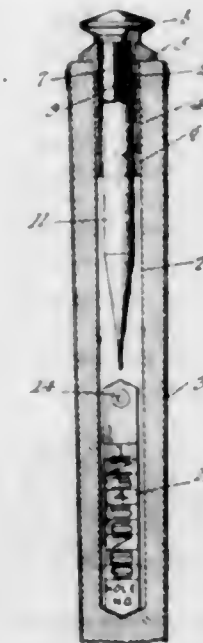
washed for throwing water from said tank upward against the same, and independent means for driving the latter paddle wheel.

1,520,112. WASHING MACHINE. GEORGE S. BLAKESLEE, Oak Park, Ill. Filed Jan. 2, 1920. Serial No. 348,722. 12 Claims. (Cl. 141-1.)



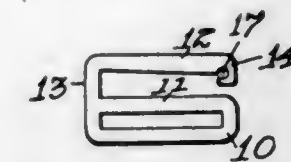
1. A washing machine, comprising a tank, a conveyer movable substantially horizontally thereover, paddle wheels at one side thereof for throwing water from said tank upon the articles to be washed, a transversely disposed paddle wheel under the path of such articles for throwing water from said tank upward against the same, and separate means for driving said paddle wheels whereby they may be started or stopped independently of each other.

1,520,113. GOLF CLUB. EDGAR J. BLOOM, Tiffin, Ohio. Filed May 17, 1923. Serial No. 639,603. 6 Claims. (Cl. 273-81.)



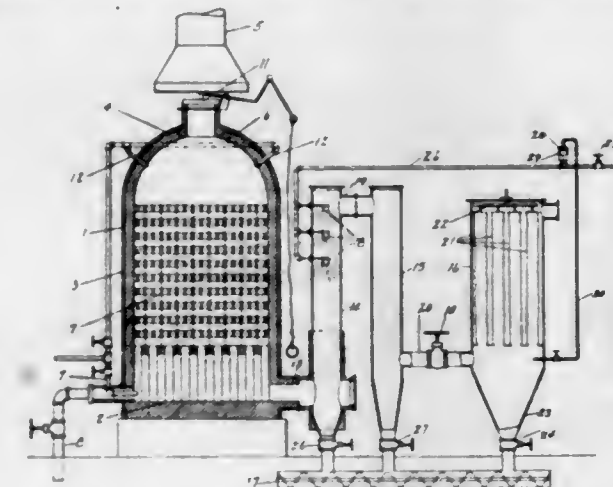
2. The combination with a golf club having a bore extending into one end thereof, of a lining within and frictionally engaging the wall of the bore, a closure plug fitting snugly within and frictionally engaging the wall of the lining, means upon one end portion of the lining and bearing against the end of the club for limiting movement of the lining into the bore, means upon one end portion of the plug and cooperating with the end of the lining for limiting the inward movement of the closure plug, and a marker carried by said plug and normally housed in the bore.

1,520,114. DETACHABLE CONNECTING DEVICE FOR HOSE SUPPORTERS. ARNOLD V. BROWN, Worcester, Mass., assignor to American Narrow Fabric Company, a Corporation of Massachusetts. Filed Nov. 22, 1922. Serial No. 602,639. 4 Claims. (Cl. 24-145.)



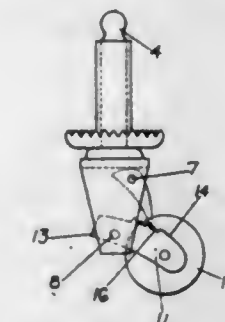
1. As an article of manufacture, a connector for the purpose described comprising a piece of sheet metal provided with three parallel bars spaced apart, two of said bars being integrally connected with each other at both ends and with the third one at one end, the third bar having a hook thereon, the connection between the first two bars at each end consisting of an end member, the two end members being parallel with each other, and a slide for connection with the fabric or tape mounted on said two end members.

1,520,115. APPARATUS FOR THE INSTANTANEOUS COOLING OF MIXTURES OF GAS AND SOLIDS. ROY H. BROWNLEE and ROY H. UHLINGER, Pittsburgh, Pa., assignors to Thermatomic Carbon Company, Pittsburgh, Pa., a Corporation of Delaware. Filed May 19, 1922. Serial No. 562,219. 2 Claims. (Cl. 183-11.)



1. Apparatus for recovering minute solids from a mixture of heated gases and such solids comprising a cooling chamber, a chamber for separating such solids from the gases, means for passing such mixture through said cooling chamber into said separating chamber, means for delivering a spray of cooling liquid into said cooling chamber, and thermostatically operating means arranged to vary the quantity of cooling liquid delivered in direct ratio to temperature variations within the separating chamber to insure a temperature within the separating chamber no lower than the boiling point of the cooling liquid.

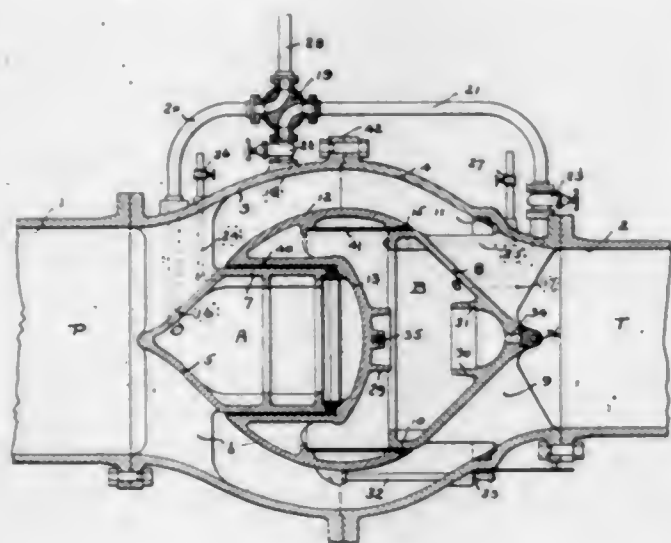
1,520,116. CASTER. HENRY BRUCHTER, Cincinnati, Ohio. Filed June 2, 1923. Serial No. 643,053. 2 Claims. (Cl. 16-19.)



1. In a caster the combination of a stem, a pair of pins carried by the stem, a bracket pivotally carried by

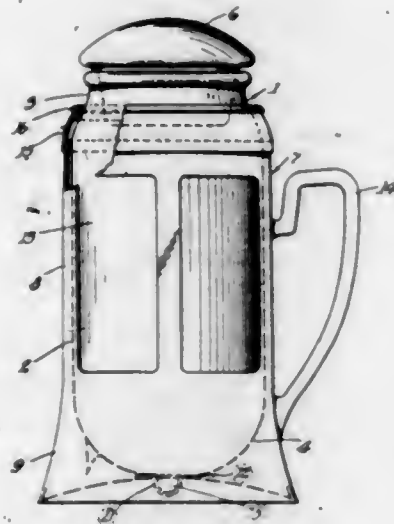
one pin, a roller carried by the bracket, the bracket having one of its faces serrated, and a pawl pivotally carried by the second pin for engagement with the serrated portion of the bracket.

1,520,117. VALVE. ERICH RUEHLE, San Francisco, Calif. Filed May 2, 1923. Serial No. 636,111. 10 Claims. (Cl. 137-139.)



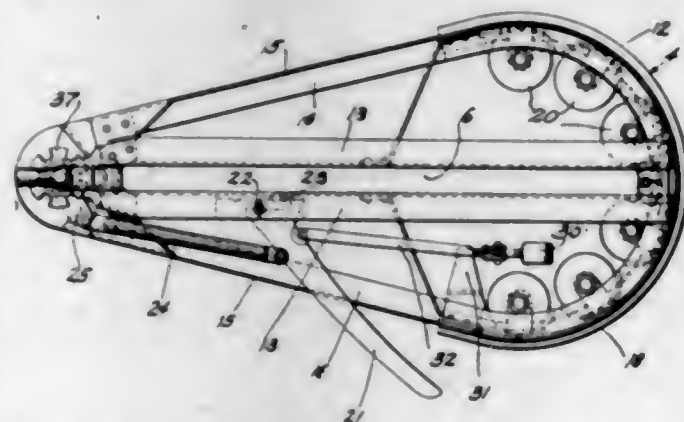
2. In a valve, a casing, a pair of fixed right and left directed axially positioned conical ended members, a closure element movable on said members to open or close a channel formed with said casing, a seat ring in said casing against which said element contacts in closed position.

1,520,118. CONTAINER. CHARLES E. BULTMAN, Chicago, Ill.; Ida Mai Bultman executrix of said Charles E. Bultman, deceased. Filed Nov. 10, 1922. Serial No. 609,152. 4 Claims. (Cl. 215-131.)



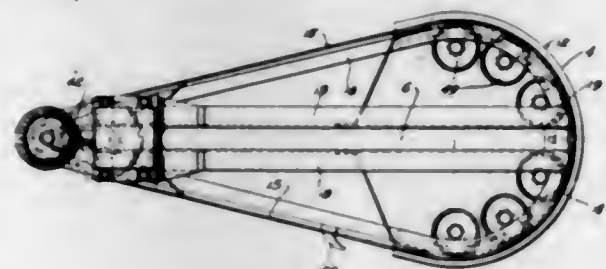
1. In combination with a container, a cylindrical casing surrounding said container and maintaining a distance therefrom, said casing being formed with a series of elongated openings and terminating in a flaring bottom portion, a strip diametrically extending at the bottom of said casing and supporting at its center said container and a collar in threaded engagement with the upper end of said casing and bearing on the neck of said container.

1,520,119. APPARATUS FOR HANDLING ORE AND THE LIKE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 10, 1921. Serial No. 506,712. Renewed June 5, 1924. 8 Claims. (Cl. 37-115.)



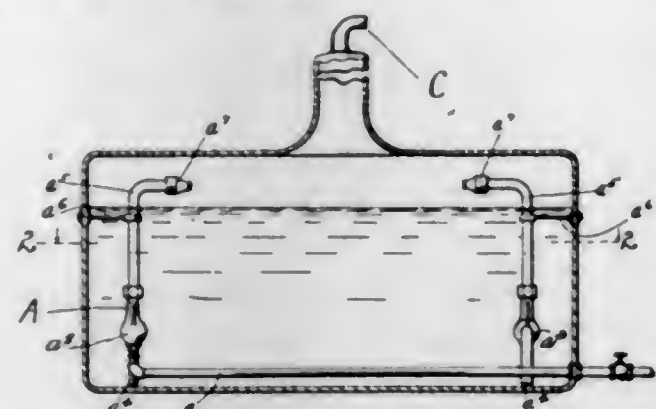
1. In an apparatus of the class described, a frame adapted to be fixed against lateral movement, and having a curved lateral bearing portion provided with a horizontally disposed groove, and an outwardly and downwardly inclined bearing surface below said recess.

1,520,120. APPARATUS FOR HANDLING ORE AND THE LIKE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 10, 1921. Serial No. 506,713. Renewed June 5, 1924. 5 Claims. (Cl. 37-115.)



1. In an apparatus of the class described, a frame adapted to be fixed against lateral movement, a draft-operated conveyor device including a scraper adapted to have lateral engagement with said frame while said scraper is being loaded, an auxiliary power element mounted on said frame, and means affording operative engagement between said power element and said scraper while the latter is in engagement with said frame.

1,520,121. PROCESS OF INCREASING EFFICIENCY OF DISTILLATION. HENRY E. DECKERACH, Cincinnati, Ohio. Filed June 23, 1920. Serial No. 391,234. 3 Claims. (Cl. 196-88.)



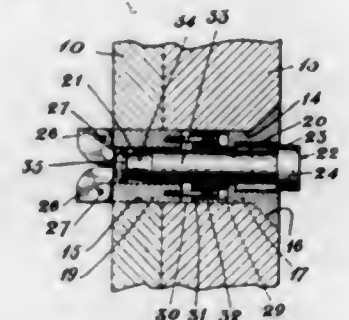
1. The process of providing a quantity of crude oil, providing a mixture of steam and fluid petroleum distillate, withdrawing part of the crude oil admixing crude oil withdrawn from the mass of crude oil with the admixture of the steam and fluid distillate and discharging same above the body of the crude oil.

1,520,122. PROCESS FOR MAKING SOLID, WATER-SOLUBLE TEA PRODUCT. FRANK C. GEPHART and RUDOLPH H. HARRIES, New York, N. Y., said Harries assignor to said Gephart. Filed Feb. 21, 1923. Serial No. 620,487. 14 Claims. (Cl. 99-11.)

1. The process of making a solid water-soluble preparation of tea having the cup characteristics of the tea used in the preparation of the infusion, which consists in making a water infusion of tea, straining, filtering, evaporating the filtrate to dryness under diminished pressure, collecting at least part of the distillate and shaking it out with a suitable solvent to recover aroma and flavor, separating the solvent containing aroma and flavor from the water and adding it to the solid residue, and evaporating the solvent.

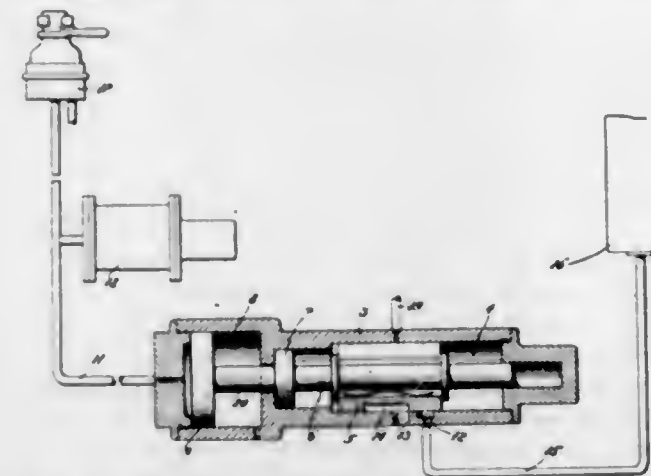
12. A solid, water-soluble tea product having the cup characteristics of the tea used in the preparation of the infusion, composed of the solid water-soluble extractives of tea and the volatile extractives to give the original aroma and flavor and lactose.

1,520,123. TOGGLE PIN. GEORGE A. GILLES, Jersey City, N. J., assignor to Gillen, Klumey, Baker Syndicate, Inc., New York, N. Y., a Corporation of New York. Filed May 10, 1923. Serial No. 638,138. 5 Claims. (Cl. 35-3.)



1. A toggle pin comprising a body, a pawl carrying element yieldably connected thereto, a locking pin, and pawls associated with the pawl carrying element and adapted to be extended by the locking pin.

1,520,124. AUTOMATIC DRAIN APPARATUS FOR RESERVOIRS. ALBERT GOTTSCHALK, New York, N. Y. Filed Oct. 29, 1921. Serial No. 511,248. 6 Claims. (Cl. 303-88.)

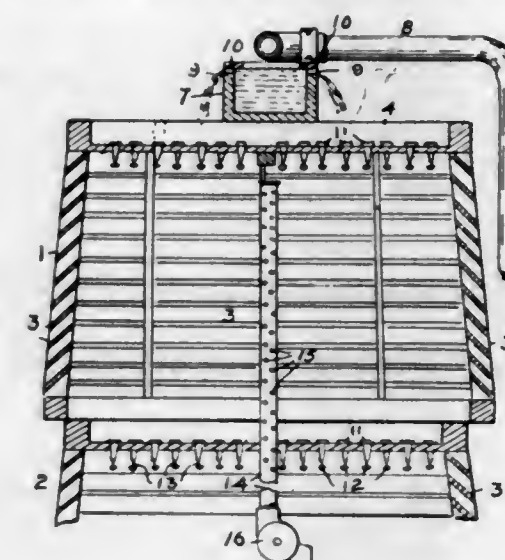


1. In a drain apparatus for car reservoirs, the combination of a drain valve for controlling the discharge of water from the reservoir, said valve having a continuous movement for first opening and then closing the discharge and controlled by an intermittently operated device upon the car.

1,520,125. WATER-COOLING TOWER. FRED W. HAAS, Pittsburgh, Pa. Filed July 12, 1921. Serial No. 484,102. Renewed Oct. 30, 1924. 4 Claims. (Cl. 261-115.)

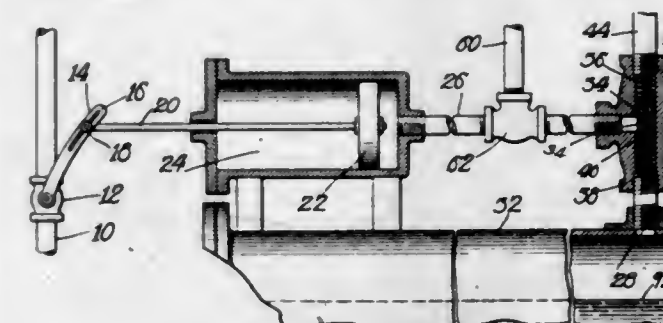
2. In a water-cooling tower, a hollow section, a series of open-top pans supported at the top of the section and

having spraying devices pendant from their bottoms, adjacent pans being separated by open spaces, a water supply trough lying transversely across the pans and above the same and having depressions in its edges



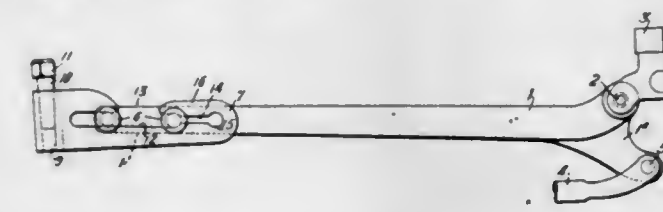
directly over the pans, the edges directly over the spaces between the pans not being depressed, and a strip covering the said edges to allow the water-level to rise in the trough temporarily without overflowing into the said spaces.

1,520,126. AUTOMATIC GAS CUT-OFF AND FIRE ALARM. JOHN G. HARROLD, Newark, N. J. Filed Jan. 17, 1923. Serial No. 613,155. 10 Claims. (Cl. 137-161.)



4. An apparatus of the class described, including a valve controlling the supply of gas to a building, a tank normally containing a fluid under pressure, means actuated by the fluid from said tank for operating said gas valve, an alarm adapted to be operated by fluid from said tank and means responsive to temperature changes for controlling the supply of fluid to said gas valve operating means and said alarm so that when the temperature exceeds a predetermined point the gas supply to the building is cut off and an alarm is given.

1,520,127. TYPEWRITING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 10, 1923. Serial No. 618,180. 9 Claims. (Cl. 197-36.)



1. A type bar for writing machines comprising two parts, and disconnectible connections between said parts

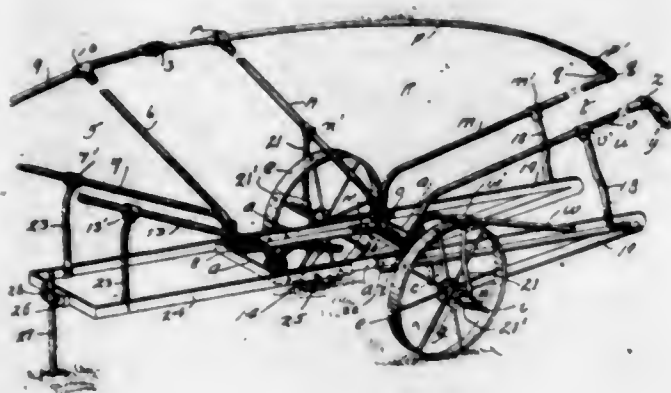
comprising a plurality of projections on one of said parts, said projections engaging in a slot in the other part, said slot being provided with oppositely closed ends and being expansible near one end portion.

1,520,128. QUICKLY DETACHABLE CONNECTION BETWEEN MEMBERS AND SUPPORTING SHAFTS. FREDERICK H. M. HART, Poughkeepsie, N. Y., assignor to J. R. Short Milling Company, a Corporation of Illinois. Filed Dec. 16, 1922. Serial No. 607,457. 10 Claims. (Cl. 107-7.)



2. In combination, a member having two separated coaxial open seats and lugs beside and projecting above the seats, the lugs adjacent to each seat being undercut on the side facing the other seat, a shaft adapted to fit into said seats and having in one side notches spaced apart a distance approximately equal to said seats, a locking element comprising a leaf spring having at the ends heads adapted to fit into the notches in the shaft and into the opposed undercut portions of the lugs, and a clip attached to the middle of a said locking element and adapted to grip said shaft when the parts are assembled and the locking element is in its locking position.

1,520,129. NUT AND FRUIT GATHERER. ARTHUR E. HEDEEN, Portland, Oreg. Filed Feb. 2, 1920. Serial No. 355,629. 3 Claims. (Cl. 56-329.)

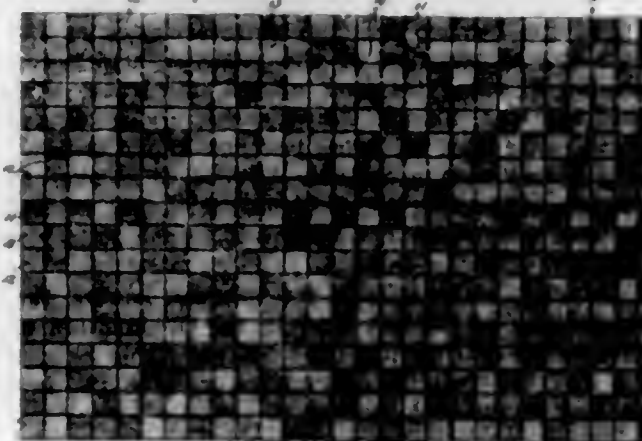


1. In a fruit gatherer, an elongated main frame including parallel members spaced apart by a rectangular frame arranged slightly to one side of the longitudinal middle, one end of said main frame being closed and the other end being open so as to receive a tree trunk between them, a transverse shaft supporting said main frame substantially at its longitudinal middle, a plurality of vertically and laterally extended arms mounted on said rectangular spacing frame, and a main rim carried thereby, an extension rim affixed exteriorly of said main rim, the exterior rim being made in sections with the extremities thereof formed to constitute supporting arms, and the latter being provided with adjustable means adapted to be affixed to said main rim.

1,520,130. SURFACE COVERING AND METHOD OF DECORATING THE SAME. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, a Corporation of Pennsylvania. Filed June 3, 1924. Serial No. 717,658. 2 Claims. (Cl. 41-17.)

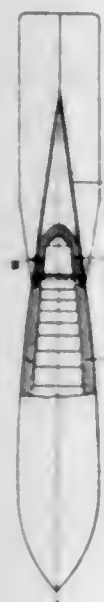
1. The method of decorating a surface which comprises covering the surface with a uniform pattern of spaces

of like shape and a limited number of varying appearances, arranging the spaces of like appearance upon the surface with irregularity of occurrence, and repeating the



arrangement over an area so large as to be not perceived by a single glance of the eye, whereby to simulate the haphazard appearance of hand laid tiling.

1,520,131. OBLONG DROP PROJECTILE. HEINRICH JACOB, Friedenau, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,953. 8 Claims. (Cl. 102-2.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L. 1313.)

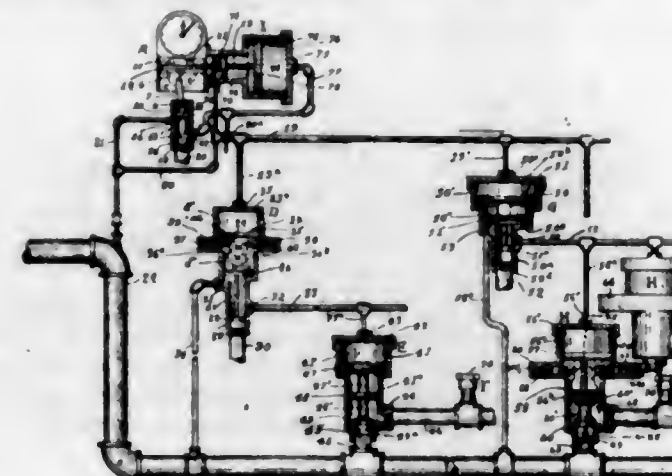


6. A drop projectile of lance-shaped longitudinal section comprising a strong walled explosion chamber and a hollow cone-shaped steering tail provided with steering surfaces, the steering tail composed of several sections with screw-shaped running joining edges bent out from the cone-shaped surface of the steering tail, said bent out edges forming abutments for the steering surfaces provided on the steering tail.

1,520,132. SYSTEM AND MEANS OF CONTROL. FREDERICK H. JOHNSON, South Pasadena, Calif. Filed Dec. 27, 1919. Serial No. 347,790. 11 Claims. (Cl. 161-7.)

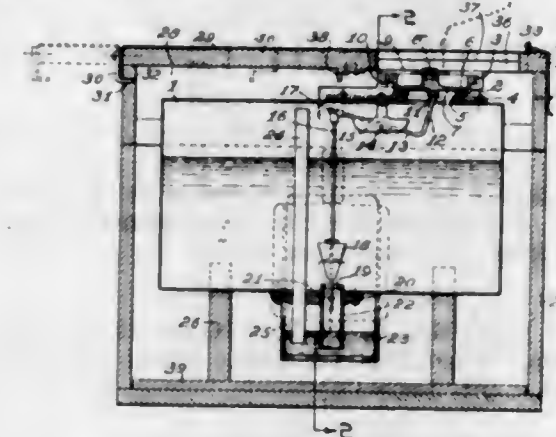
1. A system and means of control, comprising time-measuring means, a controller governed by said time-measuring means, controlling means directly controlling

the functioning of the system and responsive to the actuation of said controller, and means responsive to



the actuation of said controller and facilitating controlling means actuation in the operation of the system.

1,520,133. WATERING DEVICE. FINLEY MCARTHUR, Montreal, Canada. Filed Nov. 12, 1923. Serial No. 674,101. 3 Claims. (Cl. 119-77.)

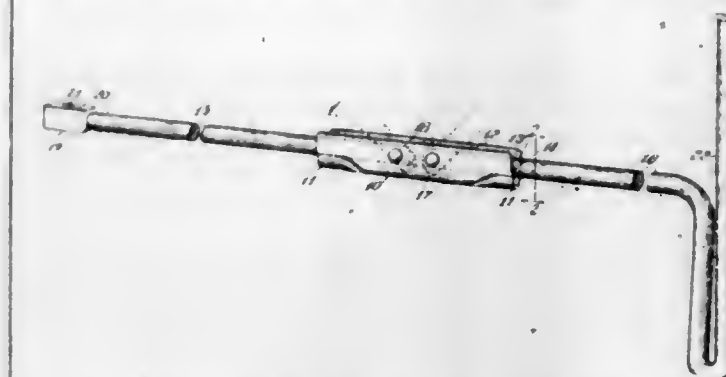


1. A watering device, comprising a closed reservoir having an inlet opening in its top with a raised rim, the latter having cam-projections upon its outer wall, flexible airproof sealing-means mounted on said rim, an imperforate closure-plate mounted upon said sealing-means, a clamping device connected to said closure-plate and having inwardly-bent extremities formed with cams to slidably engage said cam-projections to clamp said closure-plate compressingly upon said sealing-means, said reservoir having a bottom opening in which is fitted an open-end delivery tube having in its end within the reservoir a coned valve-seat, a valve-head coned to fit said valve-seat and having an upwardly-directed stem, a lever in said reservoir pivotally supported medially and having one extremity pivoted to the upper end of said valve-stem, the other end of said lever being bent upwardly angularly to terminally contact with the lower face of said closure-plate when closed upon said sealing-means to thus lift the valve-head from its seat, the weight of said valve-head and stem being sufficient to lower them to close the valve-head upon its seat when the said closure-plate is removed.

1,520,134. AUTOMOBILE HAND-JACK HANDLE. JOSEPH J. MIZER, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Apr. 14, 1923. Serial No. 622,008. 2 Claims. (Cl. 287-100.)

1. A folding handle comprising a bar formed in two sections, a clip in the form of a channel member having a base, and central substantially parallel side portions between which the adjacent ends of the bar sections are pivoted, the ends of the side portions of the clip converging toward one another into gripping relation with

the bar section therebetween, the space between the gripping end portions decreasing away from the open side



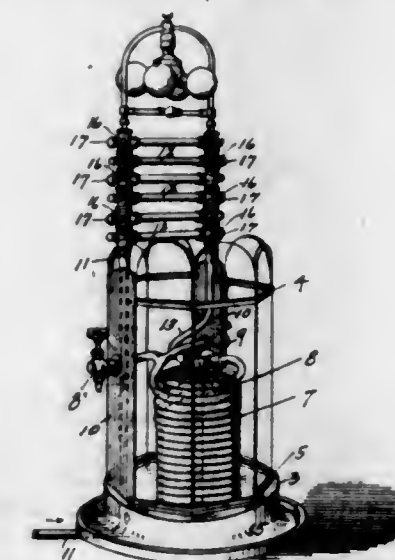
of the channel, so as to provide a progressive gripping action on the bar section as it is forced into the channel.

1,520,135. BOX. HAROLD L. MYERS, Morristown, N. J. Filed Dec. 4, 1923. Serial No. 678,378. 1 Claim. (Cl. 206-44.)



A box comprising a body having upright end and side walls and provided with open notches at corners between an end wall and two side walls, a cover hinged to the end wall at which the notches are located and a score line extending transversely of said cover at a point to one side of its transverse center and nearer to its hinged end than to its free end whereby the cover is foldable upon said score line into outer and inner end panels, the outer end panel in the folded position of the cover projecting outwardly in opposite directions beyond the side walls of the body and being larger than the inner end panel, whereby edge portions are provided on said outer end panel which project beyond the hinged edge of the inner panel into said notches to maintain the folded cover in an upright display position relatively to said body with the panels in approximate surface contact with each other.

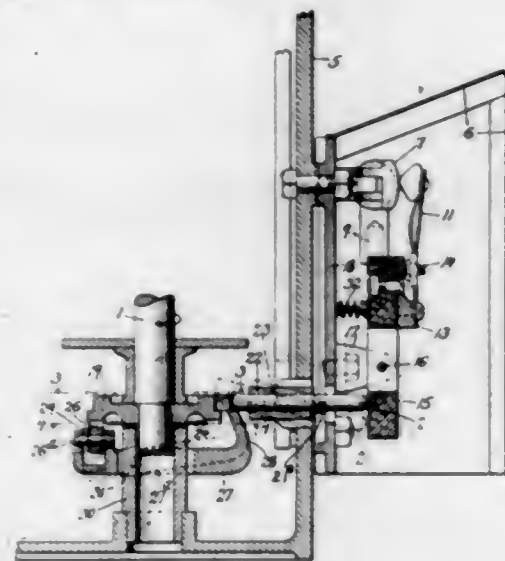
1,520,136. SODA-WATER APPARATUS. JAMES R. NEFF, Indianapolis, Ind. Filed Mar. 29, 1924. Serial No. 702,770. 3 Claims. (Cl. 225-28.)



1. In a drink-vending device, an ice receptacle, cooling coils in the receptacle, a supply pipe having a series of

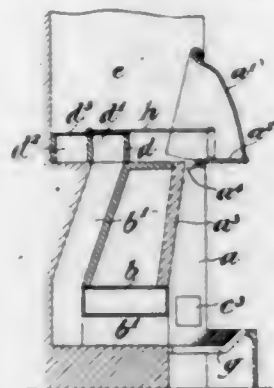
transparent display loops over the receptacle, means connecting it with the cooling coils, and dispensing means connected to the coils.

1,520,137. CONTROLLER FOR ELECTRIC VEHICLES. THOMAS E. PRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 21, 1919. Serial No. 278,345. 2 Claims. (Cl. 200—7.)



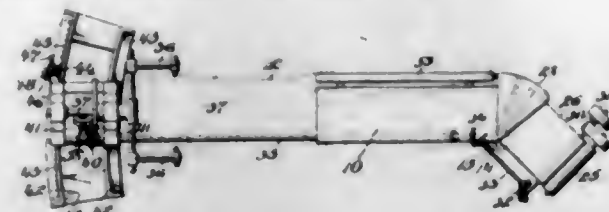
1. A controlling device for electric vehicles comprising a shaft, a series of contacts controlled by said shaft, a casing in which said contacts and shaft are mounted, a motor circuit, relatively movable contacts outside of said casing and connected in said motor circuit, a movable part which when moved causes a relative movement of said motor circuit contacts, an actuating part for said movable part which projects into said casing, a cam associated with said shaft so as to be rotated thereby the cam engaging said actuating part so as to move it to move the movable part to cause the motor contacts to be engaged, a lever adapted to engage said actuating part and move it to an inoperative position, so that the movable part may be moved to disengage said motor contacts, a pawl connected with said lever, teeth connected with a part rotated by said shaft and adapted to engage said pawl, said teeth when the shaft is moved in one direction moving the pawl so as to move the lever and cause it to move the engaging part to its inoperative position.

1,520,138. COOKING AND HEATING STOVE. GEORGE HENRY PRESTON, London, England. Filed June 18, 1923. Serial No. 646,177. 3 Claims. (Cl. 126—1.)



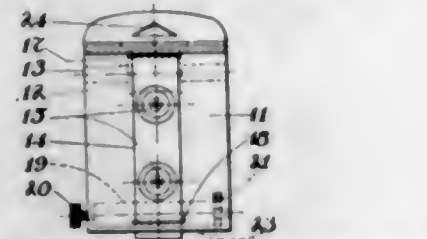
1. A stove consisting of the combination of an open fire grate provided with an adjustable canopy or the like, an oven, and a boiler, flues for said oven and boiler opening together in the chimney, a damper slidable to close either said oven or said boiler flue and connected to the canopy so as to be operated by the opening and closing movement thereof, substantially as set forth.

1,520,139. MACHINE FOR CUTTING BIAS STRIPS. WALTER PRIOR, East Orange, and WALTER PRIOR, JR., South Orange, N. J. Filed Sept. 29, 1923. Serial No. 965,523. 9 Claims. (Cl. 164—65.)



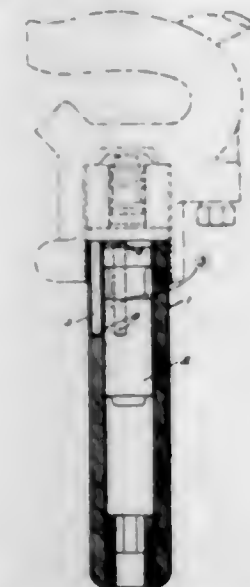
1. In a machine for cutting bias strips, in combination, a mandrel for supporting a sleeve of fabric, a knife for cutting the sleeve to form a strip, and a mounting for the mandrel the mounting being adapted for various angular adjustments of the mandrel relative to the knife.

1,520,140. HOLDER FOR EXPLOSIVE TARGETS. ROBERT EDWIN REARDON, Washington, D. C. Original application filed Mar. 13, 1917, Serial No. 154,563. Divided and this application filed May 29, 1920. Serial No. 385,296. 4 Claims. (Cl. 124—15.5.)



1. In a holder for targets, an aiming point, a percussive anvil, and means for traversing sound productive material across said percussive anvil.

1,520,141. PNEUMATIC TOOL. HARRY E. ROGERS, St. Louis, Mo. Filed Dec. 27, 1921. Serial No. 525,975. 4 Claims. (Cl. 121—13.)

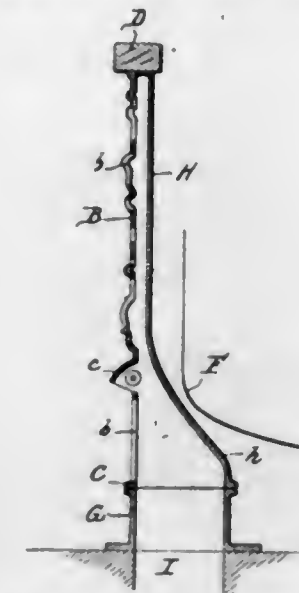


1. A barrel for pneumatic hammers having a lubricating chamber adapted to contain a relatively hard lubricant, said chamber communicating with the bore of the barrel at two different points, one of said points of communication being adapted to remain constantly open, and the other to be opened and closed by the piston in the barrel.

1,520,142. THEATRE CHAIR. LOUIS ROTH, New York, N. Y., assignor to Sterling Bronze Company, New York, N. Y., a Corporation of New York. Filed June 14, 1921. Serial No. 477,397. 6 Claims. (Cl. 135—134.)

1. In a chair of the class described, the combination with a chair frame, of an imperforate flue plate extending from the floor line upwardly with respect to the

chair frame and materially above the seat portion thereof, said flue plate having a lower portion inclined to the plane of the chair frame and an upper portion in substantially parallel relation to said chair frame, and a



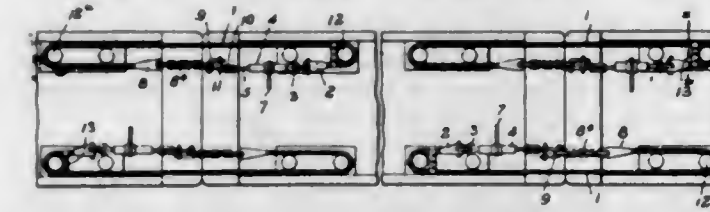
plurality of grills in fixed relation to the chair frame and in opposing relation to the imperforate flue plate, the area of the opening in the grill being equal substantially to the cross sectional area of a flue provided by and between the grill and the flue plate.

1,520,143. ADJUSTABLE PIPE TEMPLATE. ANTON B. SANDELL, Groton, Conn., assignor to The Sandell Specialties Co., Groton, Conn., a Corporation of Connecticut. Filed Sept. 13, 1920, Serial No. 409,989. Renewed June 5, 1924. 7 Claims. (Cl. 33—180.)



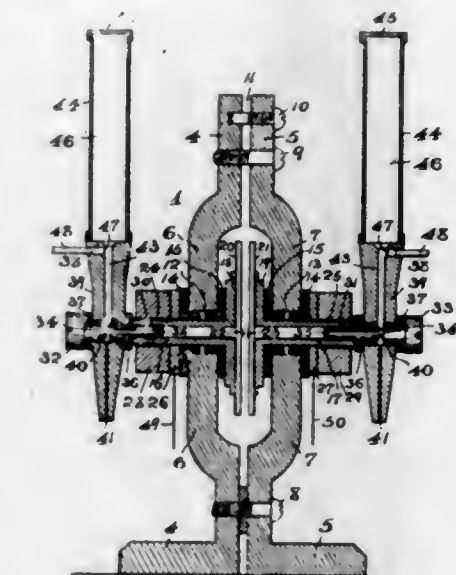
5. In an adjustable pipe template, a plurality of sections, means whereby the sections are adjustably connected in series, means on the two end sections for engaging a pipe, said connecting means including ball and socket joints, means for rendering said ball and socket joints rigid, said ball and socket connections permitting said template to be curved in two planes.

1,520,144. CONNECTER FOR BARGES. WALTER C. SANSON, Pittsburgh, Pa. Filed Jan. 21, 1924. Serial No. 687,576. 4 Claims. (Cl. 114—235.)



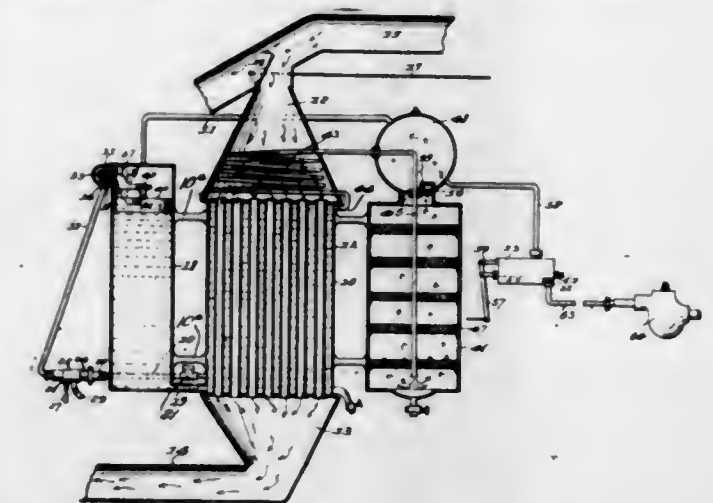
2. A two-part connector for barges having in combination a flexible member of a length sufficient when its ends are connected to pass around snubbing posts on adjacent barges, means for holding one of the loops in position on its snubbing post and a tightening means connected to one end of the connector and means for detachably connecting the tightening means to the opposite end of the connector.

1,520,145. THERMOSTATIC CIRCUIT CLOSER. JOSEPH H. SCHARFF, Nutley, N. J. Filed July 29, 1918, Serial No. 247,279. Renewed Nov. 8, 1923. 36 Claims. (Cl. 200—140.)



7. In a fire-alarm system, or the like, a pneumatically operated contact-establishing means, combined with independent relief means adapted to receive expanded air caused by temporary or sudden shock-conditions to prevent operation of the contact-establishing means, except at predetermined degrees of expansion.

1,520,146. OIL-VAPOR GENERATOR. JOHN R. SHANNON, Lowell, Ariz. Filed Jan. 14, 1922. Serial No. 529,243. 5 Claims. (Cl. 48—94.)

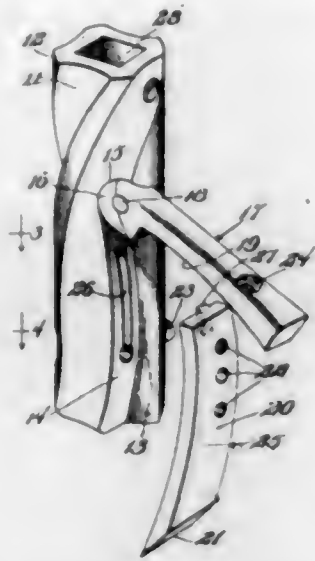


4. In an oil vapor generator, a purifying chamber having a series of perforated trays having purifying chemicals thereon, a boiler, means for conducting vapor from the upper end of the boiler into the lower end of the purifying chamber, a vapor collecting chamber into which the purifying chamber discharges, an injector discharging into the boiler and connected to a source of water and oil, means for causing the operation of said injector through the pressure of the vapor within the collecting chamber, and means automatically acting to cause the operation of the injector upon the lowering of the level of oil within the boiler and preventing the operation of the injector upon the predetermined rise in level.

1,520,147. DRILL. ROBERT B. SHAUB, Canton, Ill. Filed May 13, 1924. Serial No. 713,046. 3 Claims. (Cl. 255—61.)

1. In a drill of the type described, a drill head comprising a body having in its side faces at opposite sides thereof longitudinally extending rabbets, these rabbets each having one straight wall and one wall which is arcuately curved, the upper end of the rabbet being in the form of a cove in which is pivotally mounted a

swinging clamping bar, and bits each formed from a flat strip having one straight wall coacting with the straight wall of the rabbet, the bit being curved to conform to the curvature of the other wall of the rabbet, securing



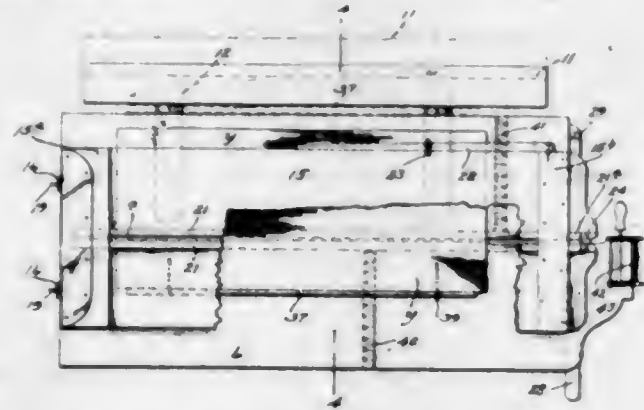
elements extending through said clamping bars and body having aligned openings for the reception of securing elements, the bits having a series of longitudinally spaced openings through which said securing elements may pass.

1,520,148. POLISHING MOP. JOSEPH J. SHICKLESA, Buffalo, N. Y. Filed Apr. 5, 1920. Serial No. 371,237. 3 Claims. (Cl. 15-229.)



1. A mop of the kind described comprising a flat mop head having pointed retainer prongs extending upwardly at its rear end, a swab having a pocket portion to receive said mop head and a flap at its rear end folded onto said mop head and provided with eyelets through which the prongs of said mop head are passed.

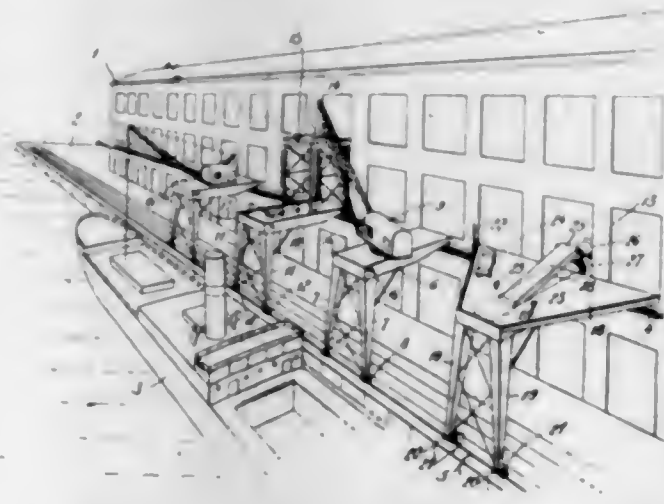
1,520,149. DEVICE FOR CUTTING SURGICAL BANDAGES. DANIEL SHOCKEY, North St. Paul, Minn. Filed Oct. 12, 1923. Serial No. 668,087. 8 Claims. (Cl. 164-79.)



1. In a device of the kind described, a table having a long knife-guiding channel, a presser board movably

mounted above said table and having a knife-guiding channel aligned with the knife-guiding channel of said table, and means for pressing said presser board toward said table to clamp the material to be cut between the same and the table, said table and clamping board adjacent their knife-guiding channels having beveled clamping surfaces arranged to kink the material to be cut in the clamping action.

1,520,150. MATERIAL-HANDLING EQUIPMENT. HJALMAR EJNAR SKOUGOR, Brooklyn, N. Y. Filed May 16, 1921. Serial No. 469,830. 9 Claims. (Cl. 214-14.)



1. In equipment of the class described, the combination with a warehouse having series of door openings at different levels, of a track having a rail extending along the front of the warehouse at substantially the level of one of the series of door openings, and another rail located below and in lateral spaced relation to the first, and a loading and unloading platform movable along the warehouse on the track, the level of this platform being substantially at the level of one of the series of door openings.

1,520,151. COVER FOR LOOSE-LEAF FOLDERS OR BOOKS. MAEEL H. SLATER, New York, N. Y. Filed May 1, 1924. Serial No. 710,315. 7 Claims. (Cl. 129-35.)

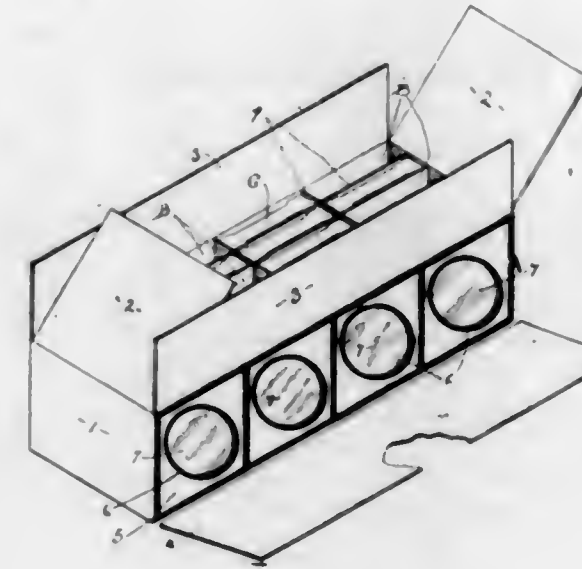


1. A cover for a loose-leaf folder, book, or the like, provided with a pair of openings and a pair of iris members shiftable independent of each other inside said cover in alignment with said openings.

1,520,152. SHIPPING AND EXHIBITING CASE FOR HONEY. ARTHUR V. SMALL, Augusta, Kans. Filed Oct. 13, 1923. Serial No. 668,372. 1 Claim. (Cl. 206-44.)

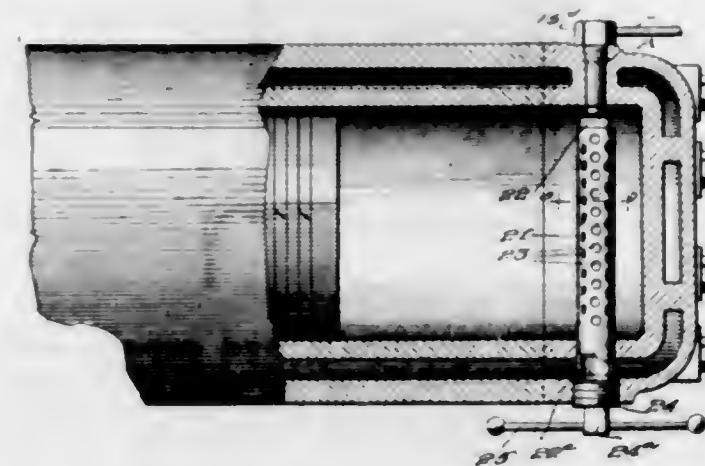
In a shipping and exhibiting case for honey, a case adapted to contain blocks of honey, round openings having transparent covers, said openings being in one side of the case and the said openings registering with the center of the blocks of honey, the said openings being

smaller in diameter than the space between the sides of the said blocks of honey so that the frame containing said honey and the irregular portion of the honey comb



will be concealed from view, a hinged covering for said openings, and the said cover being hinged to said case paralleling the axial alignment of said openings, for the purpose set forth and described.

1,520,153. COMBINED ATOMIZER AND VAPORIZER FOR OIL ENGINES. ARTHUR CYRUS SMITH, Colorado Springs, Colo., assignor, by mesne assignments, of one-half to William W. Hassell and one-half to Arthur C. Smith, both of Colorado Springs, Colo. Filed July 12, 1920. Serial No. 395,709. 8 Claims. (Cl. 123-30.)

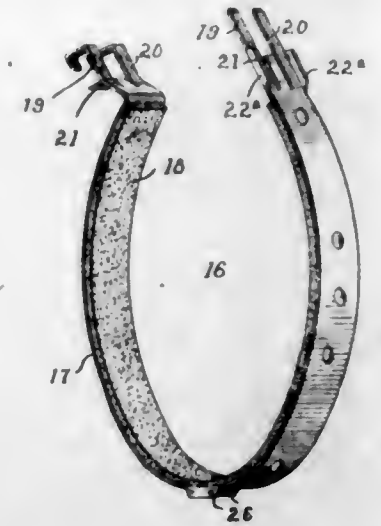


3. A vaporizer for oil engines comprising a pair of perforated tubes arranged one within the other, the outer tube being of greater length than the inner tube, and its outer end adapted to be closed and secured within the cylinder head of the engine.

1,520,154. TRANSMISSION RELINING BAND. DOUGLAS B. SMITH, San Francisco, Calif. Filed Dec. 3, 1923. Serial No. 678,194. 1 Claim. (Cl. 188-249.)

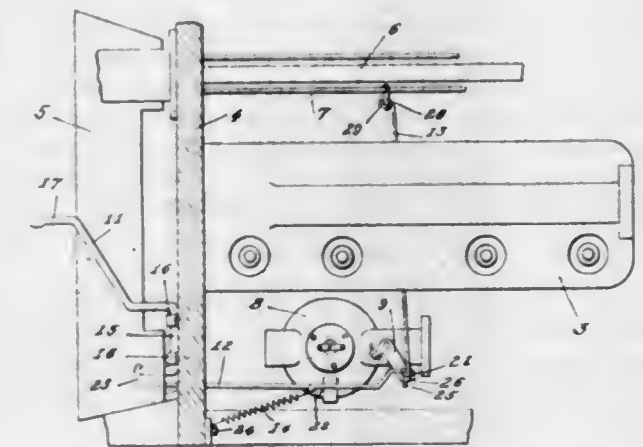
A liner for a transmission or like band comprising a flexible band having a lining secured on its interior surface, each end of said flexible band terminating in two elongated side prongs adapted to be bent into locking engagement with the legs of the U-shaped end lug of the transmission band, a short central prong adapted to be bent between the legs of the end lugs, and guide lugs at

one end of the flexible band extending from the outer edges of the side prongs and adapted to be bent at right



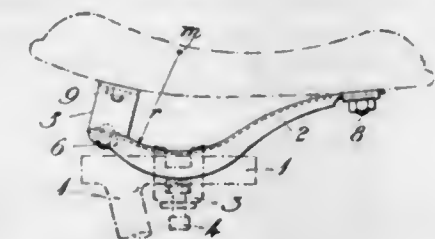
angles to the surface of the flexible band to engage the sides of the transmission band to guide the liner when it is being inserted into place.

1,520,155. FOOT ACCELERATOR FOR MOTOR CARS. LOUIS W. SODERBERG, Rockford, Ill. Filed Feb. 9, 1924. Serial No. 691,616. 3 Claims. (Cl. 74-39.)



2. A foot accelerator for motor cars comprising, in combination, a foot lever adapted to be mounted on the dash and having a depending arm, a push rod attached at its rear end directly to said depending arm and at its forward end directly to the throttle valve lever of the carburettor, a spring acting on the push rod to hold said throttle valve lever in closed position, and a pull rod having a one-way connection directly with said push rod for imparting valve opening movement to said lever and permitting independent operation of the foot lever for imparting similar movement to said valve.

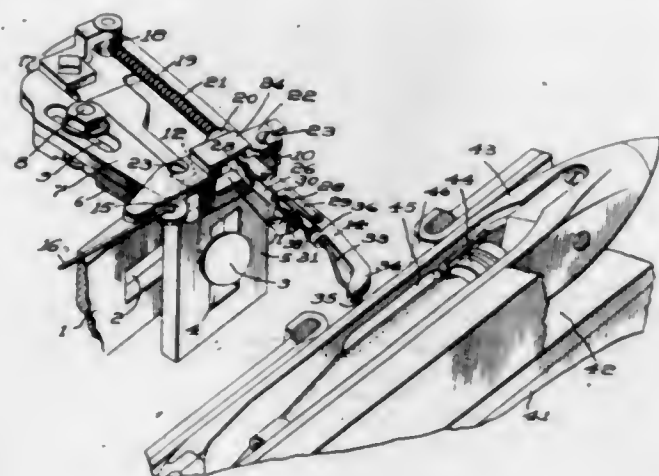
1,520,156. SPRING FRAME FOR SADDLES FOR BICYCLES, MOTOR CYCLES, AND THE LIKE. AUGUST WILHELM STARCK, Skovde, Sweden. Filed Sept. 5, 1923. Serial No. 660,998. 4 Claims. (Cl. 208-15.)



1. In a saddle for bicycles, motorcycles and the like, a seat member, and a longitudinally disposed spring for

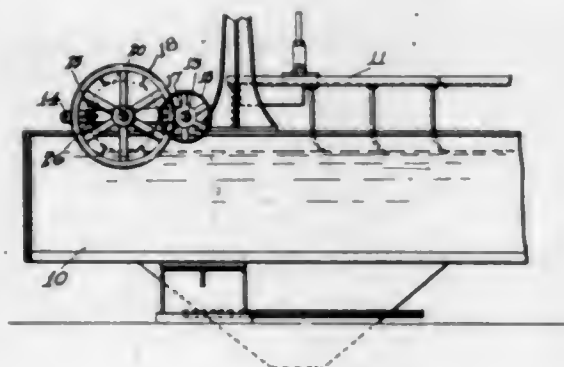
supporting such seat member, such spring being arched in cross-section throughout its length, the concave side of the spring being directed downward, and the length of cross-sectional arch varying throughout the length of the spring.

1,520,157. FEELER MECHANISM FOR LOOMS. MELVIN L. STONE, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 13, 1924. Serial No. 692,512. 10 Claims. (Cl. 139-270.)



1. In a feeler mechanism for looms, the combination of a feeler, a feeler lock mounted on the feeler, a stationary part which cooperates with the feeler lock to prevent the feeler calling for a change of filling prematurely, and a penetrating lock tripping part which acts upon the feeler lock to move it on the feeler from locking engagement with the said stationary part when the penetrating lock tripping part contacts with the dense surface of the bobbin on a detecting beat.

1,520,158. WOOL-WASHING MACHINE. FRED W. SWAIN, Dunstable, Mass., assignor to C. G. Sargent's Sons Corporation, Granitville, Mass., a Corporation of Massachusetts. Filed Aug. 18, 1923. Serial No. 658,145. 2 Claims. (Cl. 141-5.)

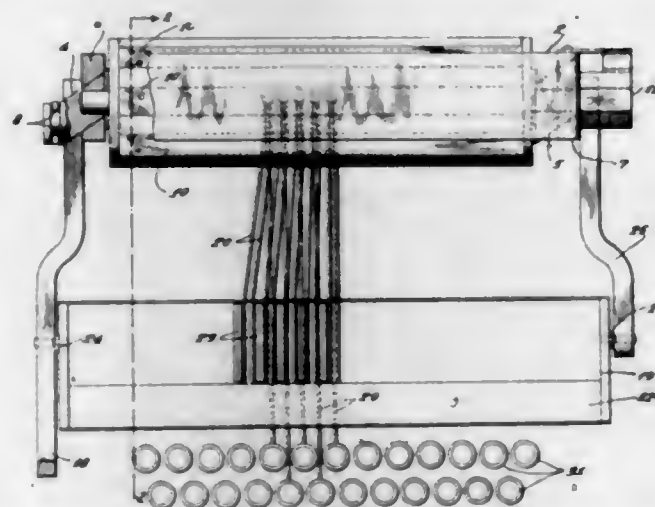


1. The combination with a washing bowl, of a pair of pivoted bearing arms having for a shaft, a ducker roll having a shaft resting in said bearings and extending across the washing bowl, the washing bowl having supports provided with perforations at different elevations therein and bolts mounted on the bearing arms adapted to extend into said perforations and hold the ducker roll at different elevations.

1,520,159. LOOM-CARD-PEGGING MACHINE. FRED UTTLEY, Elmhurst, N. Y. Filed Mar. 22, 1922. Serial No. 545,704. 17 Claims. (Cl. 29-86.1.)

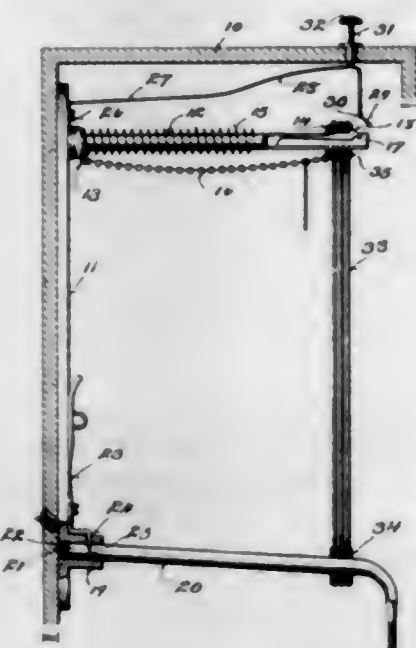
1. A loom card pegging machine embodying means for holding the loom card in position to receive a

plurality of pegs, means for simultaneously applying a plurality of pegs to the card, and means for selectively



feeding variable numbers of pegs in variable arrangements to the peg applying means.

1,520,160. TOWEL-DISPENSING DEVICE. SALLY VAN DER WYK, Milwaukee, Wis. Filed Nov. 17, 1921. Serial No. 515,765. 4 Claims. (Cl. 45-32.)

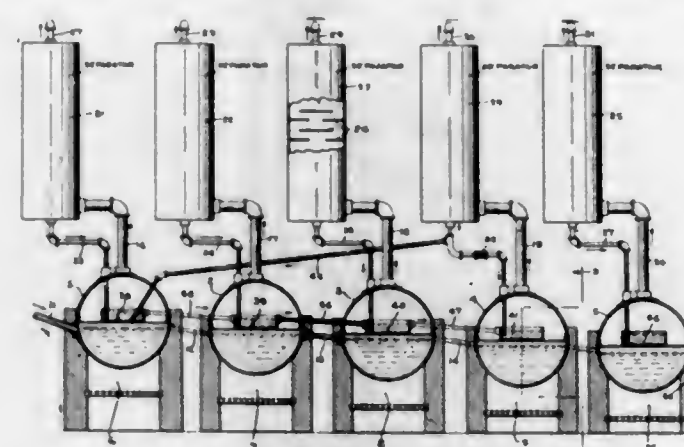


1. A towel rack comprising a towel support having a free end and extending through grommets in the upper ends of a plurality of towels for sustaining substantially the entire weight of said towels, a guide rod, the lower ends of said towels being looped on said guide rod and means mounted on said support impeding the free passage of towels, said support extending above and substantially parallel to said guide rod, whereby upon the release of an upper end of a towel from said support, the towel is in position for immediate usage, the lower end of the towel being retained on said guide rod.

1,520,161. APPARATUS FOR SEPARATING COMPOSITE OILS INTO COMPONENT PARTS. FRANK E. VAN TILBURG, Minneapolis, Minn. Filed Jan. 25, 1923. Serial No. 614,815. 4 Claims. (Cl. 196-106.)

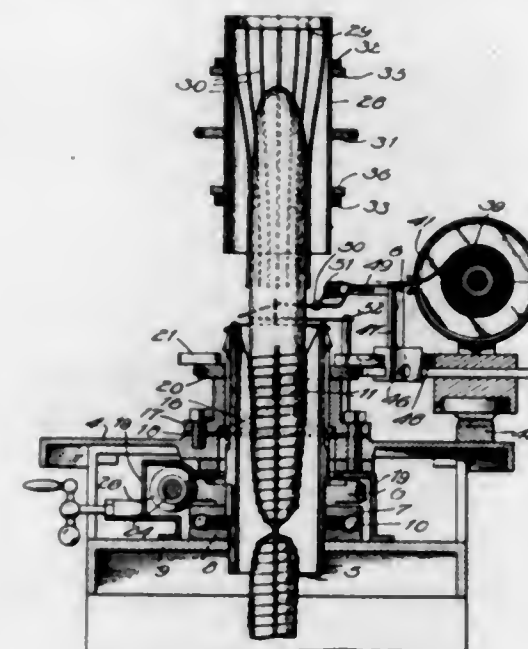
1. Apparatus for separating composite oils into component parts comprising a plurality of main stills connected in series, an auxiliary still in each of said main stills, the earlier of said auxiliary stills being connected with each other in series, a plurality of separators connected respectively with said main stills for receiving the vapors therefrom, and means for trapping back into

said auxiliary stills the condensates forming in said separators whereby said condensates will be redistilled



unmixed with the original mass of oil and by the same source of heat employed in the initial distillation.

1,520,162. SALAMI-TYING MACHINE. BART F. VITTORE and FRANK E. REDA, Chicago, Ill. Filed Feb. 18, 1922. Serial No. 537,579. 7 Claims. (Cl. 66-21.)



1. In a machine for wrapping cord about sausages, salami and the like, means for holding a sausage, means for carrying a cord around said sausage, and means for forming stitches between the convolutions of the cord, the means for holding the sausage being adapted to compress the sausage in advance of the wrapping of the cord thereabouts.

1,520,163. FENCEPOST. JAMES A. WEIGEN, Sun Prairie, Wis. Filed Dec. 8, 1922. Serial No. 605,632. 1 Claim. (Cl. 256-52.)

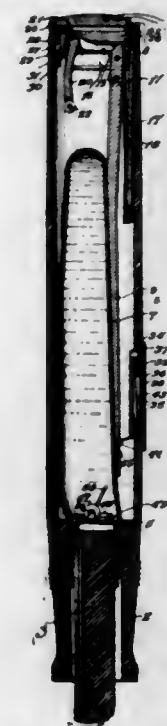
A wire holding fence post comprising, an angle-shaped bar formed of a head and a web, said web provided with a plurality of spaced apertures and further having formed therein a series of inwardly extending and downwardly inclined wire receiving slots, a flat coupling bar slidable against one face of said web and formed with spaced longitudinal slots corresponding to said apertures, said bar further formed with a plurality of wire receiving slots depending inwardly from one edge thereof and each formed with a longitudinal portion extending above said horizontal portion to provide a depending tongue adapted to extend across the slot in the web, means connected to the web and extending through the longitudinal slots of the bar for slidably connecting the

latter with the former, the apertures in the web selectively registering with the slots in the bar for the re-



ception of the said connecting means to maintain the bar in adjusted position with respect to the web.

1,520,164. FOUNTAIN PEN. WALTER WILLIAMS, Springfield, Mass. Filed Nov. 30, 1923. Serial No. 677,759. 15 Claims. (Cl. 120-46.)

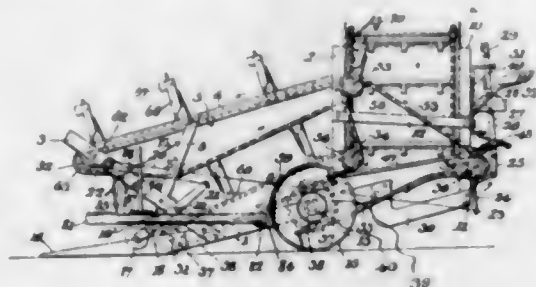


4. In a fountain pen, a barrel having an ink duct, a collapsible, normally distended ink sack within the barrel in communication with the duct, a pressure exerting member in engagement with the side of the sack, means yieldably urging the member in the direction of the sack to cause the member to exert gentle pressure against the sack tending to collapse the same, and means operable to render the pressure exerting member inactive.

15. In a fountain pen, a barrel having an ink duct, a collapsible, normally distended ink sack within the barrel in communication with the duct, means normally exerting pressure against the sack, means operable to render the pressure exerting means inactive, a vented valve normally closing the ink duct except for the vent, and means actuated through compression and distension of the sack to respectively close and open the said valve, the said means comprising a rotatable disc having a projection engageable by the wall of the ink sack, a

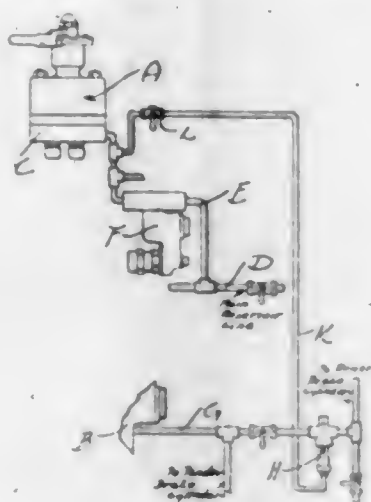
second cam disc mounted upon the stem of the valve for rotation eccentric to the axis of rotation of the first mentioned disc, means tending to rotate the first mentioned disc in a direction opposite that in which it is rotated through engagement of the wall of the sack against the said projection, and means upon the said first mentioned disc for coaction with the cam periphery of the second mentioned disc to effect elevation of the valve and its stem.

1,520,165. SHOCK LOADER. ERNEST WITCOMBE, Quincy, Iowa. Filed Sept. 8, 1922. Serial No. 586,931. 4 Claims. (Cl. 198—164.)



1. In a loading device, conveyor mechanism comprising an endless belt like conveyor, slats extending transversely thereof, a second endless conveyor located above the first and spaced therefrom, a series of arms carried thereby and extending into proximity to the slats on the first conveyor, a corresponding series of springs one end of which engages said arms to hold them in position, and a scraper bar carried near the ends of said arms.

1,520,166. QUICK RELEASE APPARATUS FOR AIR-BRAKE CYLINDERS. WALTER C. WRIGHT, Youngstown, Ohio. Filed July 2, 1924. Serial No. 723,800. 14 Claims. (Cl. 303—69.)

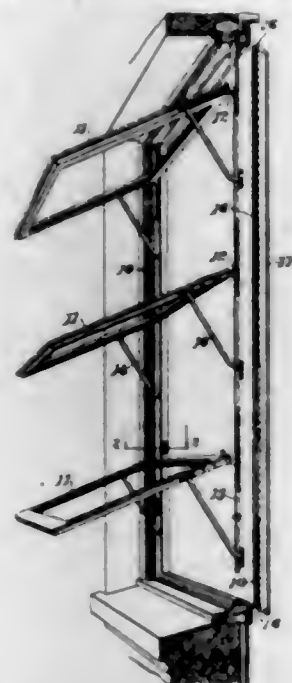


1. In an air brake release valve of the class described the combination of a casing embodying a compartment therein and a transverse passage-way, a valve supported upon a seat in the compartment to one side of said passage-way, and a piston supported in the casing to the opposite side of said passage-way, means connecting the piston and the valve for movement together, said valve and piston at opposite sides with respect to said passage-way having atmospheric communication, and said valve having a greater effective area facing the passage-way than said piston.

1,520,167. SWINGING WINDOW. HENRY T. ATKINSON, Oakland, Calif., assignor to Universal Window Company, Oakland, Calif., a Corporation of California. Filed Jan. 23, 1923. Serial No. 614,384. 4 Claims. (Cl. 20—42.)

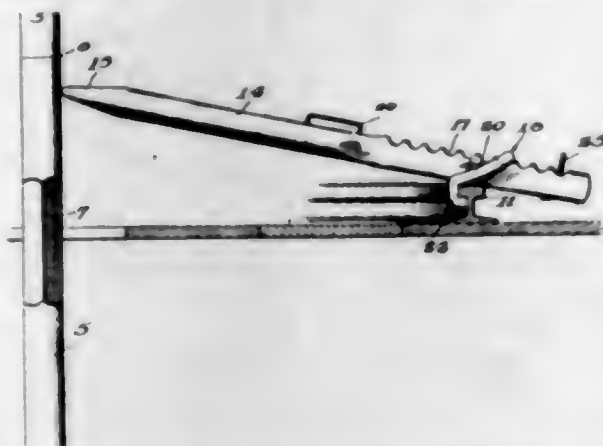
1. In a window structure, the combination with a frame and a plurality of sashes pivotally and slidably

mounted therein of a traveling bar, arranged beneath a window stop and connecting said sashes together and



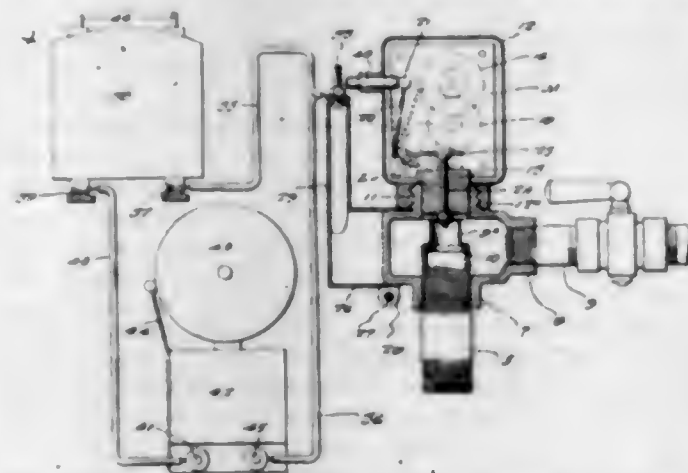
means extending through said stop and operable from the exterior thereof to disconnect the bar from one of said sashes.

1,520,168. BRACE FOR WELL-DRILLING TOOLS. CHARLES H. BENQVIST, Okmulgee, Okla., assignor of one-half to Emory A. Locke. Filed Jan. 31, 1924. Serial No. 689,699. 11 Claims. (Cl. 255—35.)



9. A well tool and derrick circle brace comprising a body adapted to extend over and fulcrum on a derrick circle, and means co-operating with the body to securely grip the derrick circle, one end of the body being provided with tool engaging means.

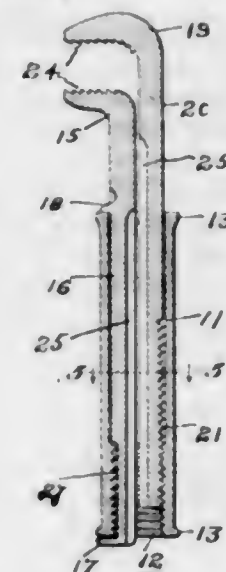
1,520,169. CIRCUIT CLOSER FOR ALARMS. HARRY CAPPELLANTI, Morgantown, W. Va. Filed Nov. 28, 1923. Serial No. 677,439. 5 Claims. (Cl. 200—81.)



5. A device of the class described including a pair of contacts arranged in an electric circuit, a switch mem-

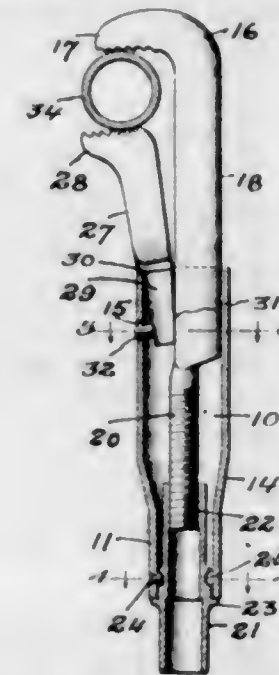
ber operable to engage said contacts to close the circuit, and means for operating said switch member having a spring operated escapement controlled vibratory hammer, adapted to engage and operate the switch member in the vibrating movement thereof, and a fluid flow operating means for controlling and preventing the vibration of said hammer and the operation of said switch member thereby, under the action of the escapement controlled operating spring.

1,520,170. WRENCH. GUSTAVE O. CARLSON, Wethersfield, Conn., assignor of one-half to Henry Hanson, Middletown, Conn. Filed Nov. 22, 1923. Serial No. 676,443. 3 Claims. (Cl. 81—164.)



1. In a wrench, the combination with two jaws, and a handle which is rotatable about both of said jaws, the heads of both of said jaws projecting laterally from the shank, the head on one jaw projecting over and away from the rounded side of the shank thereof and away from the rounded side of the shank of the other jaw, neither of the jaws having an intermeshing engagement with each other.

1,520,171. WRENCH. GUSTAVE O. CARLSON, Wethersfield, Conn., assignor of one-half to Henry Hanson, Middletown, Conn. Filed Dec. 6, 1923. Serial No. 678,907. 13 Claims. (Cl. 81—92.)

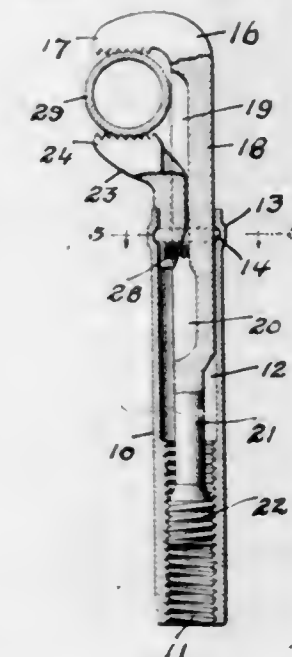


4. In a wrench; a handle having an anvil face; a jaw movably mounted thereon through a rotary member in part within the handle; a second jaw mounted in said handle having such engagement therewith as to permit the same to move toward and away from the

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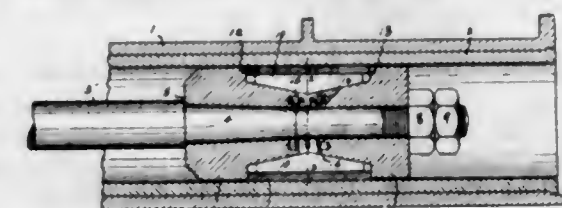
first mentioned jaw in a path at substantially a right angle to the shank thereof, said second jaw being limited in its movement in one direction by engagement with said anvil face and the first mentioned jaw, and in the other direction by the first named jaw.

1,520,172. WRENCH. GUSTAVE O. CARLSON, Wethersfield, Conn., assignor of one-half to Henry Hanson, Middletown, Conn. Filed Dec. 6, 1923. Serial No. 678,908. 21 Claims. (Cl. 81—164.)



5. In a wrench; a handle; a jaw movable therein and having a recess in one face thereof of variable depth; and a second jaw having a part thereon that projects into and remains in said recess during the relative movement of the jaws.

1,520,173. PUMP PLUNGER. JOHN D. CARR and JOHN F. RITCH, Humble, Tex. Filed Aug. 7, 1923. Serial No. 656,177. 1 Claim. (Cl. 74—109.)

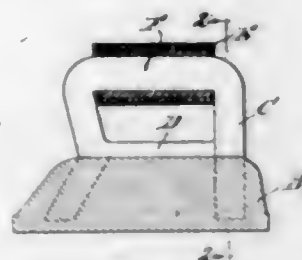


The combination with a plunger rod, one end of which is reduced forming an annular shoulder, and tapered beyond said shoulder and formed with external threads on the free end of the reduced portion, of a plunger including two sections having central bearings to receive said reduced end, the outer end of one of said sections abutting against said shoulder, and the adjacent ends of said sections being spaced apart, and tapered toward each other, a nut threaded onto the threaded end of said rod, the tapered ends of said sections being reduced forming annular shoulders, a yieldable member surrounding said rod and interposed between said sections, a bushing formed of metallic sections, whose inner sides are formed to conform to the shape of and fit against the tapered ends of the plunger sections, the ends of said bushing being spaced from the shoulders of said sections, and a sleeve surrounding said bushing formed of packing material and whose ends abut against the respective shoulders of the plunger sections.

1,520,174. ELECTRIC HEATING DEVICE. NELSON O. CLARK, Texarkana, Ark. Filed May 16, 1923. Serial No. 639,322. 4 Claims. (Cl. 219—25.)

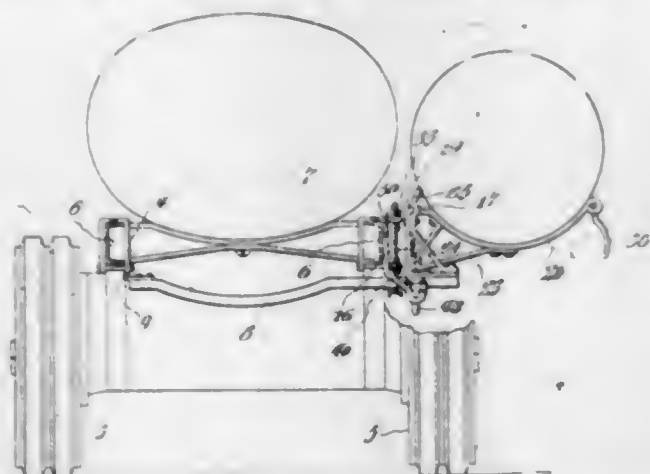
1. An electric heating device comprising a body portion heatable by variable magnetic-flux induced therein,

a paramagnetic loop extending outside said body and joining the body at spaced points, an exciting coil on



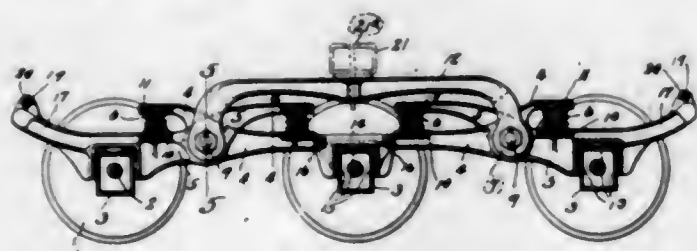
said loop outside said body, and a paramagnetic shunt across said loop between said body and coil to restrain the current in said coil to a safe value.

1,520,175. HOISTING AND CONVEYING DEVICE. BASCOM E. COLLINS, Gainesville, Mo. Filed Mar. 3, 1924. Serial No. 696,709. 9 Claims. (Cl. 214-77.)



1. A hoisting and carrying device comprising a body member, means supporting the body member for movement about a horizontal axis, a cradle horizontally hinged to the outer portion of the body member, and spring means urging the cradle to inoperative position.

1,520,176. SIX-WHEEL TRUCK. FREDERICK R. CORNWALL, St. Louis, Mo.; May Rushall Cornwall executrix of said Frederick R. Cornwall, deceased, assignor, by mesne assignments, to May B. Cornwall, St. Louis, Mo. Filed Dec. 29, 1922. Serial No. 609,623. 15 Claims. (Cl. 105-195.)

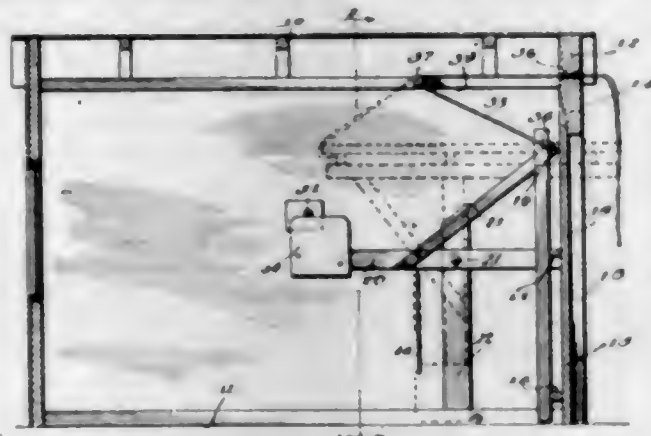


1. In a six wheel truck, axle journal boxes, two pairs of crossed wheel pieces on each side of the truck, each wheel piece being supported at one end upon a journal box and at its opposite end upon another wheel piece.

1,520,177. DOOR. FRANK B. DICKASON, Shreveport, La., assignor of two-fifths to Ray C. Harvey, Shreveport, La. Filed May 23, 1924. Serial No. 715,488. 4 Claims. (Cl. 20-16.)

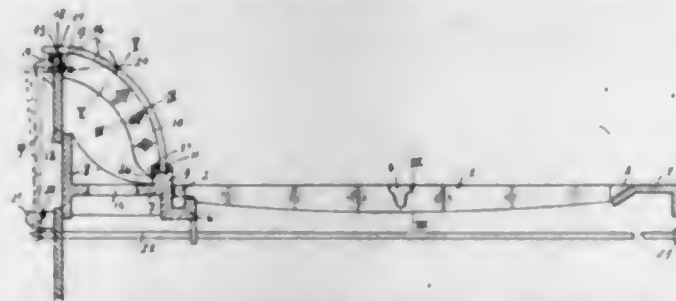
1. In a garage door, a pair of vertical standards, the members of said pair of standards being located at the opposite sides of the door, a lever fulcrumed on each standard, a rigid door structure fixedly secured to the forward ends of the levers, the levers and the door

structure being arranged at right angles, the levers being horizontally disposed in the closed position of the door



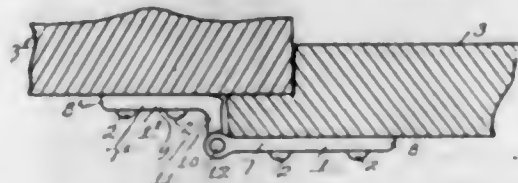
and being vertically disposed in the open position of the door, and counter-weights secured to the rear ends of the levers.

1,520,178. GRATE STRUCTURE FOR BOILERS. EDGARD DUPONT, Antwerp, Belgium. Filed May 12, 1924. Serial No. 712,676. 4 Claims. (Cl. 126-152.)



4. In a grate-structure for steam boilers, the combination of: a horizontal grate-plate comprising grate-bar bearers and a plurality of removable and interchangeable longitudinally waved grate-bars of coniform cross section arranged side to side and resting at their ends on the said grate-bar bearers; a quarter-circular fire bridge grate comprising a plurality of removable and interchangeable curved grate-bars arranged side to side and having cut away portions forming corrugations along a portion of the length of their sides and a series of recesses formed in their edges close to their upper ends in such manner as to constitute by their juxtaposition apertures for the passage of cooling air, said grate bars having a recess cut in the web-portion thereof at their upper ends; a horizontal dead plate arranged under said fire bridge grate and cast with a portion adapted to form a support for the lower ends of the fire bridge grate-bars; a supporting plate arranged under the upper ends of the said grate-bars, substantially at right-angles to the said dead plate and having a longitudinal slot cut therein close to its upper edge; and means for locking the last-named grate-bars in position, comprising a flat locking bar passing through said slot and a set of suitably arranged rod-connections for operating said locking bar from the furnace front for engagement in or disengagement from the aforesaid recesses of the upper ends of the said last-named grate-bars; substantially as described.

1,520,179. HINGE. ANDREW EKMAN, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed July 21, 1924. Serial No. 727,117. 3 Claims. (Cl. 16-135.)



1. In a door hinge: a pair of pintle-connected leaves secured to the door members respectively, one of the

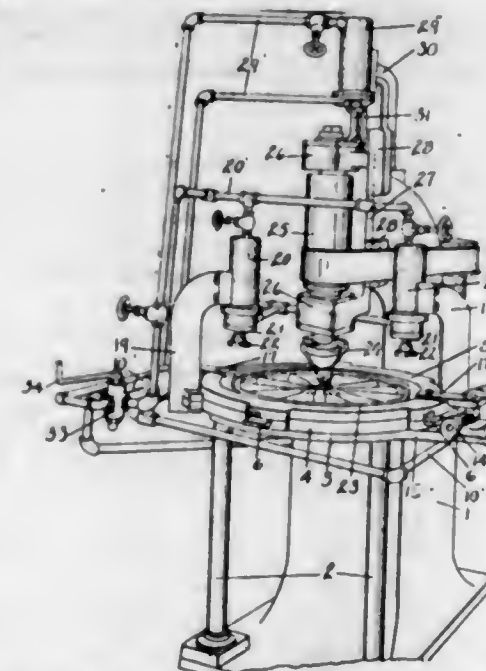
leaves having a body portion disposed parallel with the door member to which it is secured and a portion extending outwardly from said door member and provided with flanges at its side edges extending toward the other door member.

1,520,180. WINDOW FASTENER. NATHAN ROLAND, ENGLAND, Appleton, Minn. Filed July 25, 1922. Serial No. 577,326. 2 Claims. (Cl. 292-202.)



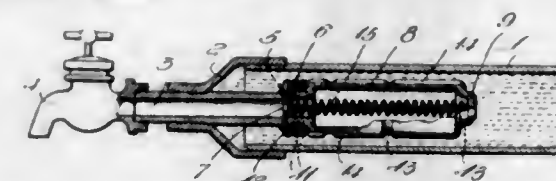
1. An article of manufacture constituting a lock for a window comprising a rigid integral rod having a straight intermediate portion, an end portion bent at a right angle to said intermediate portion tapering to a point and provided with threads throughout the greater portion of its length, and another short straight end portion bent at a right angle to said intermediate portion in a direction opposite to said first mentioned end portion and having its terminal portion directed in such direction and forming, in effect, a crank handle and latch adapted to be held between the fingers and thumb to turn the device about the axis of the first mentioned end portion to screw said first mentioned end portion into place and also adapted to engage a pin or notch, all of said portions being disposed substantially in one plane.

1,520,181. BORING MACHINE. HENRY FLICK, CLARENCE M. BUCK, and GEORGE F. SCHERER, Jackson, Mich., assignors to Hayes Wheel Company, Jackson, Mich. Filed Dec. 3, 1921. Serial No. 519,686. 7 Claims. (Cl. 144-99.)



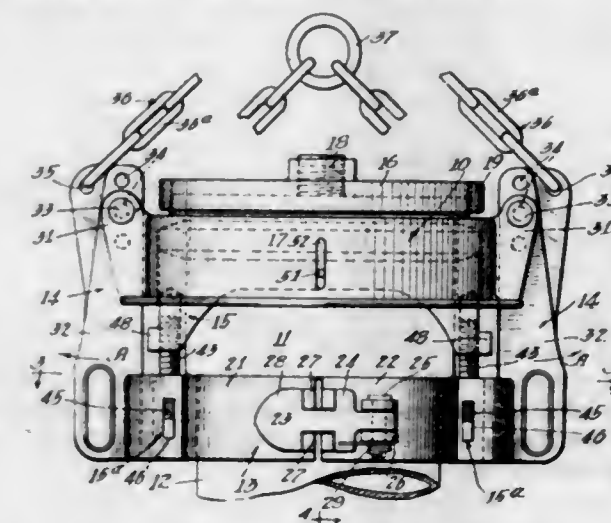
1. The combination of a suitable base, a table therefor annular in form, a main clutch ring disposed on the said table with radially movable clutch jaws in suitable ways in the upper surface thereof, upwardly projecting actuating anti-friction rollers on said jaws, a jaw actuating clutch ring disposed on the main clutch ring with diagonal slots for engaging the jaw actuating rollers, tangentially disposed engine cylinders carried by the said table and connected to actuate the upper clutch ring, vertically disposed engine cylinders with downwardly projecting pistons with clamping means for clamping a wheel on to the said table, a vertical boring tool with means for driving the same comprising an elongated pulley, a vertical slide with journal bearings for said pulley, an engine cylinder for actuating and reciprocating the said slide, and fluid delivery means to the said engine cylinders comprising a multiple way hand controlled valve for delivering the air successively to actuate the clutch, clamp the wheel upon the table and actuate the boring tool, as specified.

1,520,182. PROTECTIVE DEVICE FOR LIQUID CONTAINERS. EUGENE C. FURMAN, Newport News, Va. Filed Feb. 29, 1924. Serial No. 696,075. 7 Claims. (Cl. 137-34.3.)



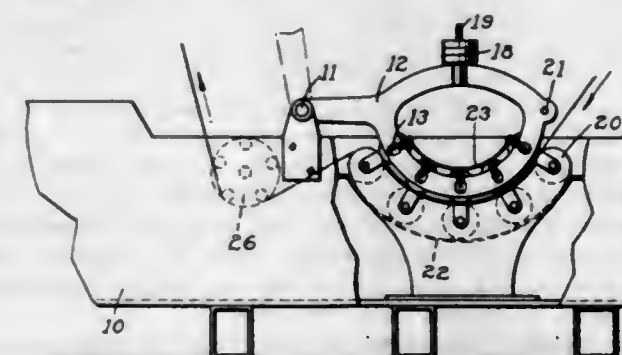
3. The combination with a liquid container having a bleed port; of a fragile bulb within the liquid containing portion of said container, said bulb having a closed end and an open end, the latter being connected with said port, said bulb normally forming a closure for the port but being adapted to break upon partial freezing of the liquid, and a compression spring confined in said bulb and adapted to expand and separate parts of said bulb when broken, said spring also serving to guard said bleed port against clogging with parts of the broken bulb.

1,520,183. WELL CAP. LELAND S. HAMER, Fullerton, Calif., assignor, by direct and mesne assignments, of one-third to L. D. Hilton, Long Beach, Calif., and two-ninths to Ray W. Elliott, and one-ninth to Leonard S. Lyon, Los Angeles, Calif. Filed May 9, 1922. Serial No. 559,531. 40 Claims. (Cl. 166-14.)



1. A device to be used in combination with a casing having a coupling on its end embodying, a cap adapted to be arranged on the coupling, a structure adapted to be arranged on the casing under the coupling including two relatively movable parts and catch means for releasably securing the parts in position on the casing, and connecting means between said structure and the cap whereby the cap is held on the coupling by said structure.

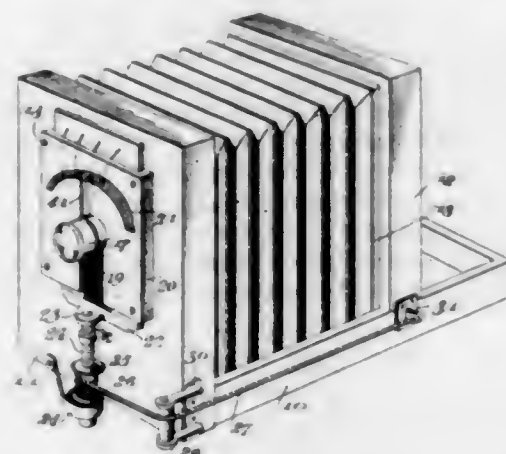
1,520,184. BACK WASHER IMMERSING AND SQUEEZING FEEDER. JAMES ALBERT HOGG, Lowell, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a Corporation of Massachusetts. Filed Aug. 31, 1923. Serial No. 660,459. 3 Claims. (Cl. 141-5.)



1. The combination with a backwasher for card and comb tops and the like, of a set of squeeze rolls mounted

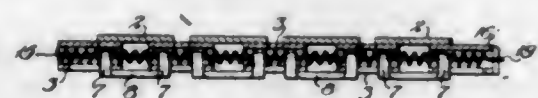
to rotate on stationary axes comprising top and bottom sets of rolls, and means whereby the entire set of top rolls can be lifted from the bottom rolls and reset in the same fixed relationship against them without adjustment.

1,520,185. CAMERA. CARL G. JOHNSON, Eau Claire, Wis. Filed Jan. 17, 1924. Serial No. 686,836. 4 Claims. (Cl. 95-64.)



1. In a camera having a front plate or lens holder and an adjustable rear plate holder and also having a lens and controlling diaphragm on the lens holder, a casing mounted on the lens holder having a sight aperture, a diaphragm indicator slidable in said casing, and means extending from the lens holder to the plate holder and controlled by adjustment of the latter for shifting the said indicator within said casing across the sight opening of the latter.

1,520,186. EXPANSIBLE METAL BAND. CHARLES H. KESTENMAN, Providence, R. I., assignor to Kestenman Brothers Mfg. Co., Providence, R. I., a Partnership consisting of Abraham Kestenman and Charles H. Kestenman. Filed Mar. 20, 1924. Serial No. 700,509. 4 Claims. (Cl. 59-79.)

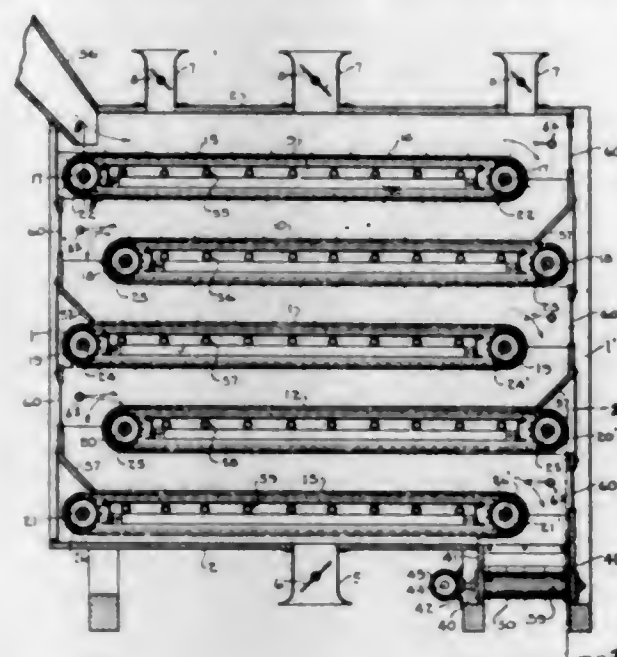


1. In a device of the type specified, the combination of a series of outer box-like link-members having prongs projecting inwardly from their sides, a series of inner box-like link-members enclosed within the outer members in telescopic relation therewith and provided with slots in their sides through which the prongs on the outer members project, and resilient means connecting said members to adapt the device to expand and contract with a telescopic action.

1,520,187. COTTON DRIER. GORDON LAWSON, Wharton, Tex., assignor of one-fourth to Valentine Lichnovsky, Wilson County, Tex., three hundred and thirty-three four-thousandths to Theo. Rogge, Lavaca County, Tex., one hundred and sixty-five two-thousandths to J. T. Stockton and forty-five four-thousandths to Julius Dorenfeld, Jr., both of Travis County, Tex., one hundred and ninety-one one-thousandths to Grover G. Lawson, Matagorda County, Tex., and one hundred and ninety-one one-thousandths to Elmo E. Lawson, San Patricio County, Tex. Filed Apr. 22, 1920. Serial No. 375,938. 4 Claims. (Cl. 34-12.)

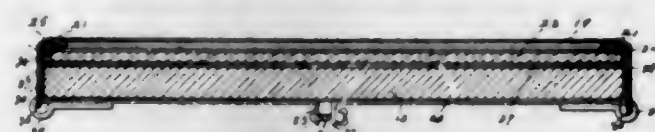
1. A device of the character described including an enclosed casing having an inlet and an outlet, endless aprons forming conveyors arranged in succession therein, said conveyors being arranged to receive material

delivered through said inlet and conduct the same through the casing and discharge it through said outlet,



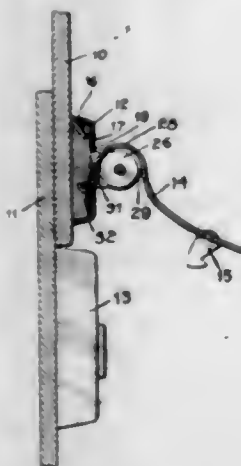
side boards forming sides for the conveyors and supporting the edges of the aprons, and means for heating the casing.

1,520,188. ADVERTISING DEVICE. JOSEPH ALBERT LE BOUTILLIER, Chicago, Ill. Filed Mar. 27, 1923. Serial No. 628,112. 6 Claims. (Cl. 40-125.)



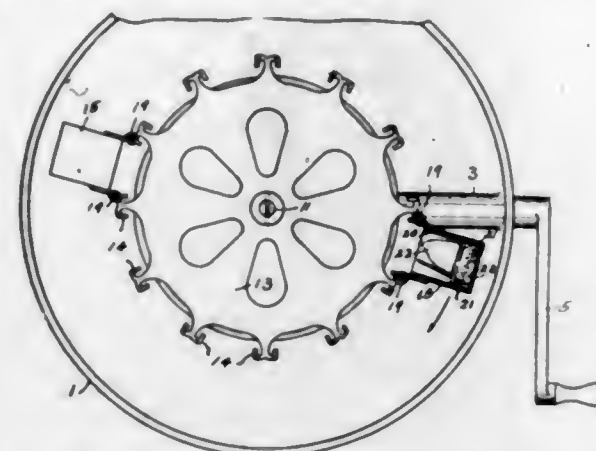
5. In combination with a piece of furniture, a frame around a part of said piece of furniture, a transparent plate in said frame, a display underneath said transparent plate, and means comprising straps hingedly mounted to said frame to fasten the same to said piece of furniture.

1,520,189. LOCKING OR HOLDING HASP. ABRAHAM LEVINE, Elizabeth, N. J., assignor to Presto Metal Stamping Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1923. Serial No. 635,186. 8 Claims. (Cl. 292-229.)



1. A catch comprising a chambered element having a face plate with an opening therein, a hasp-plate pivotally mounted on said face plate and provided with a rearwardly extending portion projecting through the opening in the face plate, a U-shaped spring positioned entirely within and free from attachment to any portion of the chamber said spring having a portion in engagement with said rearwardly extending portion.

1,520,190. EXTRACTING MACHINE. GEORGE LIEBERMAN, Houston, Tex. Filed June 3, 1922. Serial No. 565,669. 8 Claims. (Cl. 17-2.)



1. A device of the character described including a container, a rotary turret mounted therein, means for rotating the turret, and a plurality of independent holders carried by the turret and detachable therefrom, a removable liner in each holder having a shell retainer compartment and a meat receiving compartment.

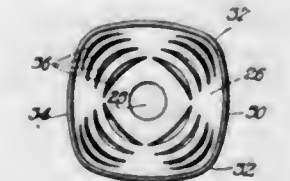
1,520,191. METHOD OF MAKING STEERING-WHEEL RIMS. ALBERT B. MACKEY, Cleveland Heights, Ohio, assignor to The Gollath Rubber Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1923. Serial No. 618,463. 4 Claims. (Cl. 18-55.)



1. The steps in a method of manufacturing a rubber ring, which consists in taking a tube of unvulcanized rubber; abutting its ends; wrapping the latter with rubber tape; placing the ring so formed in a mold provided with a cavity having the desired ring formation; the cross-section of such cavity being greater than the cross-section of said tube and less than that of such wrapped portion; and then heating same to a vulcanizing temperature capable of welding said ends and tape.

4. The method of manufacturing a rubber ring, which consists in bringing the ends of a piece of unvulcanized rubber tubing together; completely wrapping the tubing with unvulcanized rubber tape; and then vulcanizing the whole at a temperature sufficient to weld the joint between the tube ends and the tube and tape, said tape being of a composition such as will as a result of such vulcanization, produce a soft or yielding structure.

1,520,192. DIMMER FOR HEADLIGHTS. THOMAS J. MADIGAN, New York, N. Y. Filed Jan. 15, 1924. Serial No. 686,289. 8 Claims. (Cl. 240-48.6.)

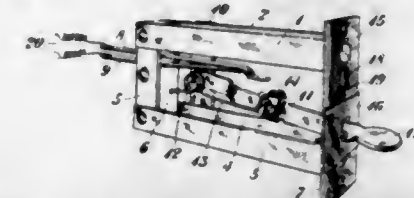


1. A device of the type described which comprises, a light reflecting shell having its edges bent angularly to corners spaced equidistantly about the periphery of the shell, and a series of openings along the angular bends.

1,520,193. SWITCHING DEVICE. WALTER B. MANSON, East Orange, N. J., assignor to Holmes Electric Protective Company, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1921. Serial No. 464,225. 2 Claims. (Cl. 200-169.)

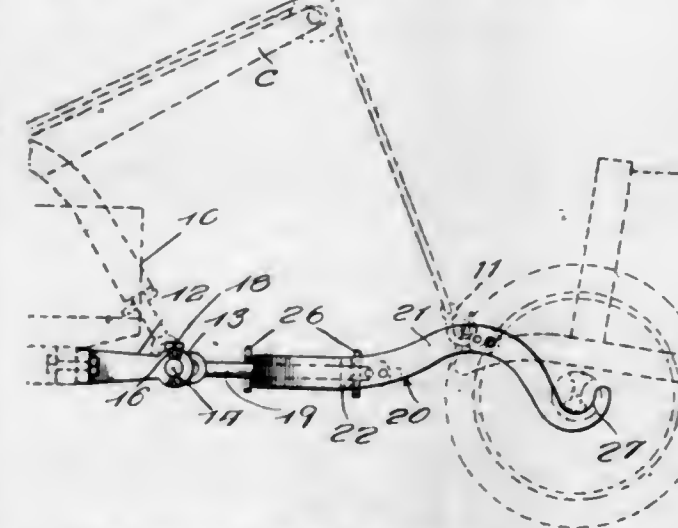
1. A switching mechanism comprising a framework, contacts of an electrical circuit attached to said framework, a movable switch arm attached to said framework

and adapted when moved to control said contacts, a face-plate attached to said framework having an opening therein through which said switch arm extends, said opening being notched at the upper portion thereof, and



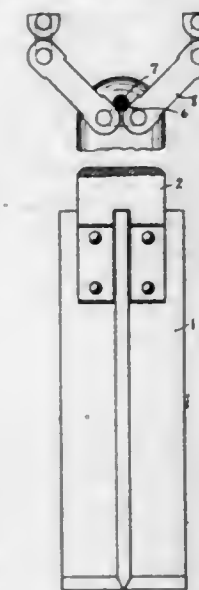
a spring mechanism attached to said framework and said switch arm for exerting downward and side tension on said arm whereby when said arm is raised it will automatically be held in such position by the notch of said opening.

1,520,194. ATTACHMENT FOR WRECKERS. CARL A. MATTHEWS, Nashville, Tenn. Filed Oct. 1, 1923. Serial No. 666,027. 4 Claims. (Cl. 214-86.)



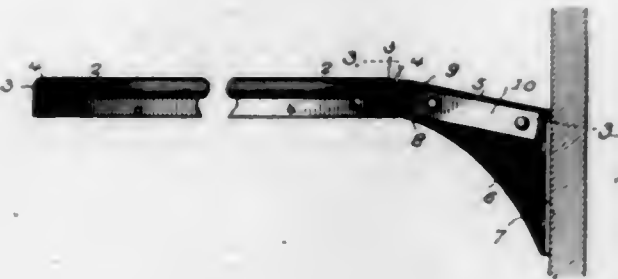
1. In a vehicle holding attachment for wreckers, a yoke provided at one end with means for attaching the same to the axle of a vehicle and to the hoist hook of a crane, and a connection between the opposite end of the yoke and the wrecker permitting universal movement of the yoke with respect to the wrecker, comprising spaced supports carried by the wrecker, a transverse bar rotatable in said supports, and a second bar pivoted at one end to the first named bar and having its opposite end rotatably directed through the forward end of the yoke.

1,520,195. AGITATOR FOR CHAIN PUMPS. JAMES B. MAYHERRY, Shreveport, La. Filed May 25, 1923. Serial No. 641,350. 6 Claims. (Cl. 103-72.)



1. An agitator for chain bucket pumps comprising a downwardly extending pointed blade, a forked yoke thereon to receive said chain and a bearing pin for said agitator at the upper end of said yoke.

1,520,196. BASKET-BALL GOAL. PHILIP S. MEDART and FRANK ALBACH, St. Louis, Mo., assignors to Fred Medart Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 29, 1924. Serial No. 740,518. 4 Claims. (Cl. 273-1.)



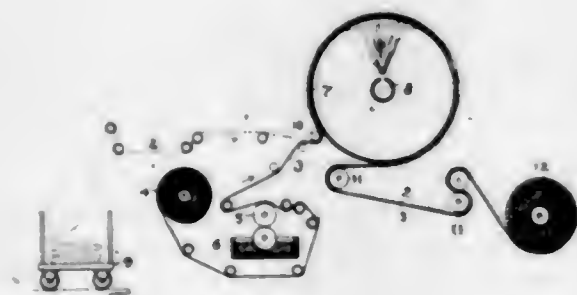
1. In a goal basket, the combination of a flexible basket body, an annular rim supporting said body, an attaching bracket having a flat body portion, depending side flanges on said body portion formed with attaching flanges at their rear ends, a central downturned flange at the forward end of the body portion for attachment to the aforesaid annular rim, and angle bars secured to said side flanges and to said annular rim.

1,520,197. SPRAY FOR TOMATO RUST. HENRY G. MEEKS, Palmetto, Fla., assignor of one-half to Frederick Stevenson, Palmetto, Fla. Filed June 9, 1923. Serial No. 644,489. 6 Claims. (Cl. 167-6.)

1. A composition for forming a tomato spray including Epsom salts, sulphur, nitrate of soda, and hydrated lime pulverized and thoroughly mixed.

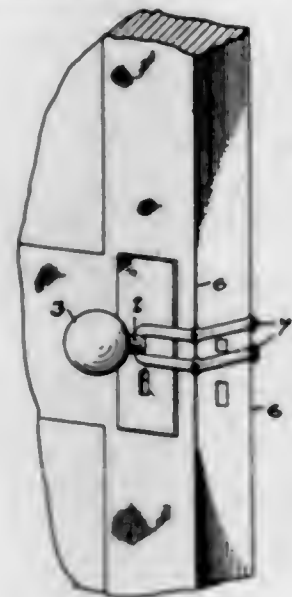
5. A composition for spraying tomato plants comprising Epsom salts, sulphur, nitrate of soda, a finely pulverized material which with the water will form a pasty mass, aqua ammonia, and water.

1,520,198. METHOD OF MAKING A FELTED AND WOVEN FABRIC. HOWARD W. MERRICK, Cleveland, Ohio, assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio. Filed Mar. 2, 1922. Serial No. 540,556. 4 Claims. (Cl. 154-40.)



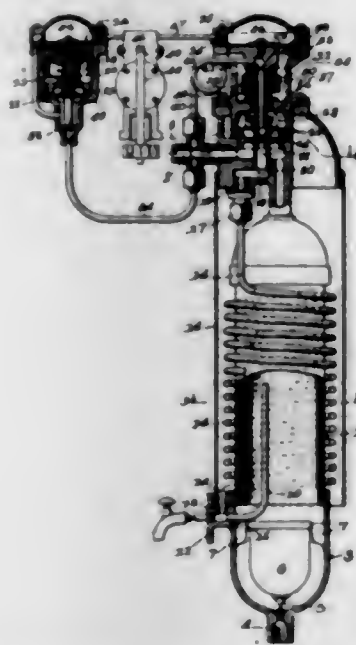
3. A method of making a composite felted and woven fabric, consisting in milting separate felted and woven strips together with a paste containing an excess of water; in applying heat to the pasted strips; in retaining a portion of the moisture within the strips; in winding the damp strips tightly in a roll; in permitting the roll to stand until the moisture is distributed and absorbed by the felted fibers; and in passing the moist strips through a calendering machine under heavy pressure.

1,520,199. DOOR SILENCER. ROBERT P. MORGAN, Worcester, Mass. Filed May 26, 1922. Serial No. 563,878. 3 Claims. (Cl. 16-86.)



1. In a device of the class described, the combination with a door provided with knobs on opposite sides thereof, of a door silencer consisting of an endless tube of elastic material containing air passing around the said door knobs.

1,520,200. REFRIGERATOR. WILLIAM M. MYERS, St. Joseph, Mo., assignor to Thomas H. Gill, Milwaukee, Wis. Filed Dec. 10, 1920. Serial No. 429,793. 9 Claims. (Cl. 62-97.)

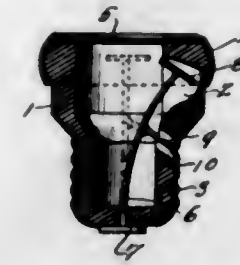


1. Refrigerating apparatus including the combination with means for supplying fluid under pressure, of a ported expansion chamber, a worm in communication with the source of fluid supply and connected at its end with the port of the chamber, the worm being within the thermal influence of the chamber, a valve provided with a stem and adapted to close said port, a diaphragm operatively connected with the stem for valve actuation, means for diverting a portion of the fluid under reduced pressure and applying the pressure to the diaphragm, and a thermostat adapted to control the amount of pressure so applied.

1,520,201. FUSE. JOHN N. NENONEN, Aberdeen, Wash. Filed June 19, 1923. Serial No. 640,347. 2 Claims. (Cl. 200-121.)

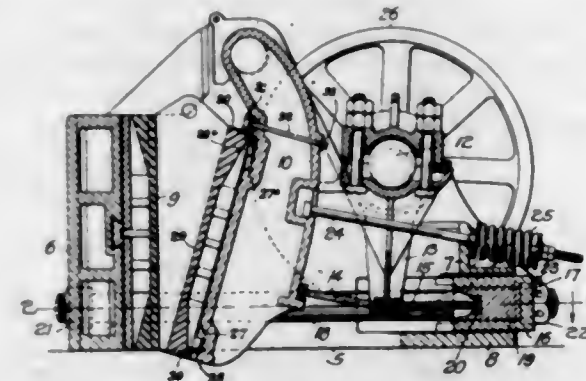
1. A fuse plug comprising a hollow body having its wall provided with a recess, a side terminal mounted on the body, a bottom terminal on the end of the body, a

spring rod connected to the said bottom terminal, and adapted to normally extend centrally through the said body, and a fusible link connected to the said side ter-



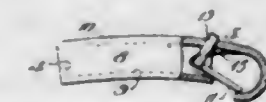
minial and extending through the body and joined to the said spring rod for maintaining the spring rod under a tension whereby the free end of the rod will be held resiliently in the said recess.

1,520,202. CRUSHER. DAVID J. NEVILL, Denver, Colo., assignor to The Stearns-Roger Manufacturing Company, a Corporation of Colorado. Filed May 28, 1920. Serial No. 384,884. 6 Claims. (Cl. 82-53.)



1. In a crusher, a frame having slideways, a movable jaw, an abutment mounted in said ways to slide by a stress on said jaw, a toggle movement operating the jaw by reaction on the abutment, and rods connecting the sliding abutment to the opposite end of the frame.

1,520,203. BRACELET CLASP. ALMYR L. NEWMAN, Warwick, R. I., assignor to A. L. Newman & Company, a Partnership consisting of Almyr L. Newman and Augustus L. Newman, both of Warwick, R. I., Andrew O. Burgess, South Orange, N. J., and John A. Burgess, Providence, R. I., doing business at Cranston, R. I. Filed Sept. 27, 1924. Serial No. 740,347. 4 Claims. (Cl. 24-233.)

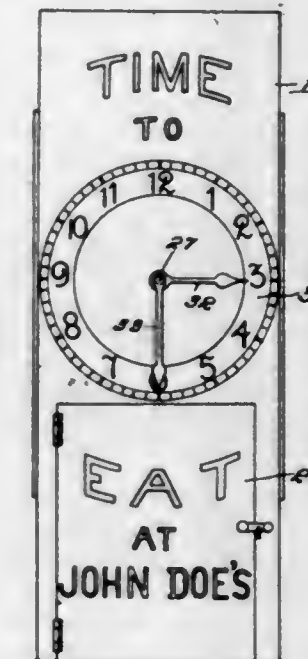


2. In an article of the type specified, the combination of a member having a hook at its end, a tongue pivoted on said member to adapt it to close the mouth of the hook, and a spring constructed of strands of wire twisted together and arranged between the hook-member and the tongue to yieldingly hold the latter with its ends closed against the end of the hook.

1,520,204. WATER CLOCK. NICK OPICH, Benwood, W. Va. Filed June 11, 1923. Serial No. 644,672. 7 Claims. (Cl. 58-2.)

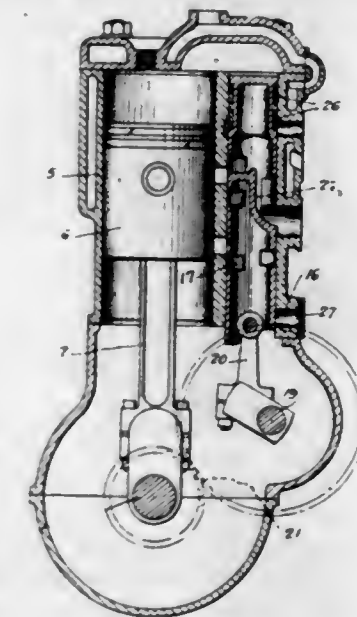
1. In a clock, the combination with a ratchet wheel, a train of gears operated thereby and hands actuated by said wheel, of a pivotally supported verge centrally divided into two trough-like compartments, one of which having an opening therethrough, a pallet carrying arm

on the verge for engaging the ratchet wheel, and means for preventing the turning of the ratchet wheel in one



direction, and means for delivering a fluid alternately into the compartments of the verge for actuating the ratchet wheel.

1,520,205. INTERNAL-COMBUSTION ENGINE. ALDEN E. OSBORN, New York, N. Y. Filed Apr. 26, 1921. Serial No. 464,543. 7 Claims. (Cl. 123-75.)

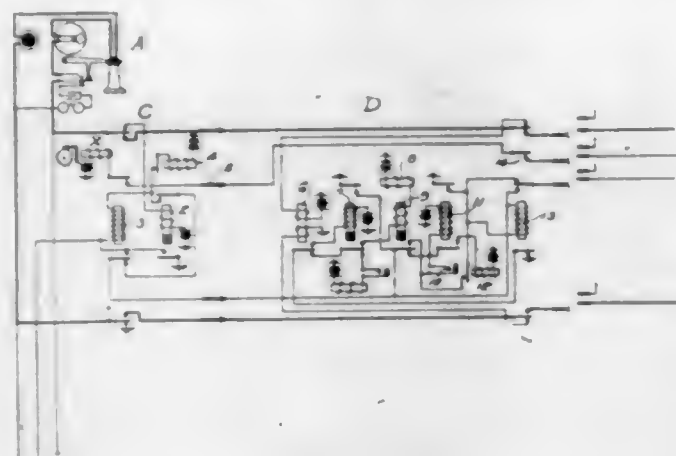


2. In an engine of the character described, an engine cylinder having two intake ports, one disposed approximately at the end of the outstroke of the piston and one intermediate the stroke of the piston, a valve cylinder open to said ports and having itself an intake port, a power piston operating in the power cylinder, a valve piston operating in the valve cylinder, said valve piston having an intake passage therethrough with ports to register with said power cylinder intake and valve cylinder ports and a separate passage with a port to register with the lower of the power cylinder intake ports.

1,520,206. MEASURED-SERVICE TELEPHONE SYSTEM. WILLIAM WALTER OWEN, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1920, Serial No. 349,351. Renewed June 4, 1924. 20 Claims. (Cl. 179-9.)

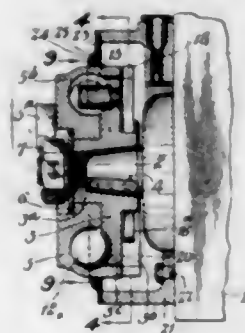
1. In a telephone system, subscribers' lines, trunk lines, means for extending a connection from a calling

line over a number of said trunk lines to a called one of said lines, a meter for the calling line, meter controlling devices, a plurality of timed interrupters common to said devices, means associated with each trunk line for transmitting one or more impulses to one of



said devices as the call is extended, said device responsive to said impulses to connect said meter to one of said interrupters, and means controlled by the called subscriber for causing said meter to be operated at a rate dependent on the interrupter connected with.

1,520,207. IMPULSE-DRIVE MECHANISM FOR MAGNETOS. CARL E. PEARSON, Cleveland, Ohio, assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 2, 1923. Serial No. 610,224. 16 Claims. (Cl. 123-149.)

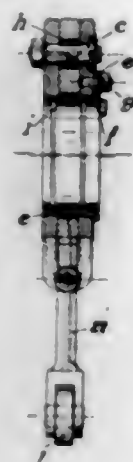


1. In an impulse drive mechanism, the combination of a rotary driven member, a rotary driving member adapted to have a limited turning movement in relation to the driven member, means for intermittently stopping and releasing the driven member, a plurality of springs arranged in series relation between the driving and driven members, and abutments cooperatively related to the springs and said driving and driven members in such manner that when relative rotational movement occurs between the driving and driven members in one direction force is transmitted from one of said members to the other through the entire series of springs and when such relative movement occurs in the opposite direction force is transmitted from one member to the other through only part of said series.

1,520,208. VALVE-ACTUATING GEAR FOR INTERNAL-COMBUSTION ENGINES. GUSTAV FIELSTICK, Augsburg, Germany. Filed Sept. 8, 1922. Serial No. 580,971. 8 Claims. (Cl. 123-90.)

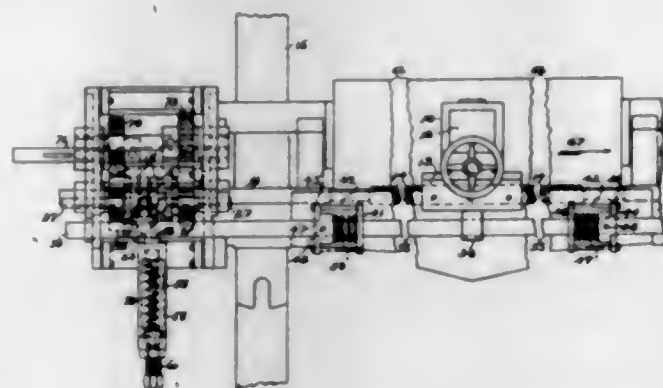
1. In an internal combustion engine, the combination of a valve, a cam for controlling the movement of the valve, and a lever for actuating the valve interposed between the valve and the cam, this lever comprising

a pair of arms secured together and pivotally mounted on a single pivot, one of said arms having an end



engaging the cam, and means for varying the position of said end relative to the cam in two directions, approximately normal to each other.

1,520,209. CLUTCH MECHANISM. LYNDON O. RAMSDALL, Danvers, Mass., assignor to The Turner Tanning Machinery Company, Peabody, Mass., a Corporation of Maine. Filed July 18, 1921. Serial No. 485,631. 3 Claims. (Cl. 74-50.)

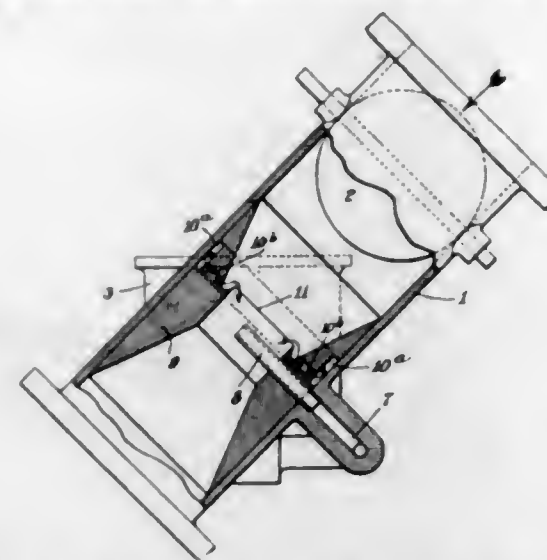


1. The combination with a rotatable shaft, of a clutch member mounted thereon to rotate therewith and to slide thereon, co-operating clutch members normally loose on said shaft and co-operating with said movable clutch member to effect rotation of said shaft in opposite directions, an arm engaging said movable clutch member, a reciprocating actuating member, a shipper bar, spring connections between the actuating member and shipper bar, connections between the shipper bar and arm to move the latter and said movable clutch member in opposite directions for a portion of the travel of said movable clutch member, a V-shaped member attached to said arm to move therewith, a spring actuated rod provided with a V-shaped head co-operating with said V-shaped member to be moved by the latter under the influence of said shipper bar and to move said V-shaped member, and said movable clutch member independently of said shipper bar.

1,520,210. SPRAY CARBURETOR. EUGENE A. RIOTTE, Manhasset, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 12, 1921. Serial No. 521,641. 1 Claim. (Cl. 261-72.)

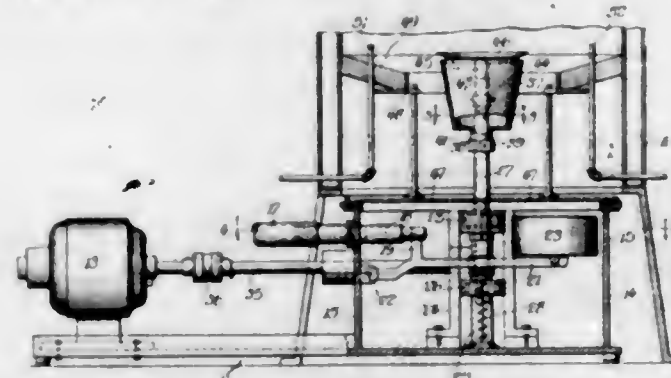
In a carburetor for an internal combustion engine, an inlet pipe having a contraction therein, a spray nozzle in said contraction, an enclosed chamber in communication with said nozzle, a fuel supply pipe leading to said chamber, means therein for maintaining a liquid fuel level near the tip of said nozzle, a duct leading from said contraction to the upper part of said chamber, and

means for maintaining within said chamber a suction slightly less than the suction existing in the inlet pipe



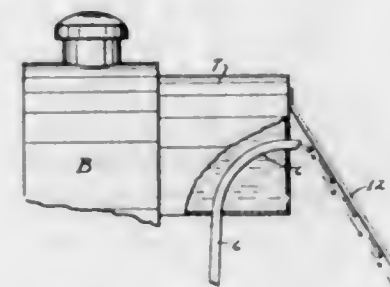
in the immediate region of said nozzle, and comprising a ledge adjacent to the end of said duct where it opens into said contracted passage.

1,520,211. OIL BURNER. CHARLES H. SIMMONS, Chicago, Ill., assignor to Milton E. Page, Jr., Adolph T. Johanson, and Christopher M. Page, all of Chicago, Ill., trustees for Anball Manufacturing Company, a Common-Law Trust. Filed Jan. 25, 1923. Serial No. 614,749. 3 Claims. (Cl. 158-77.)



3. In a liquid fuel burner construction, the combination of a liquid fuel compartment, a rotatable hollow shaft projecting into said compartment and receiving its fuel therefrom, a burner fixed to and revoluble with said shaft and receiving its fuel from the passage in the latter, gearing submerged in the fuel in said compartment and lubricated thereby, means to operate said gearing, an apertured shell below the lower end of said shaft and a screw-pump member revoluble with said shaft and located at least in part in said shell to feed the fuel from the compartment into said shaft and burner.

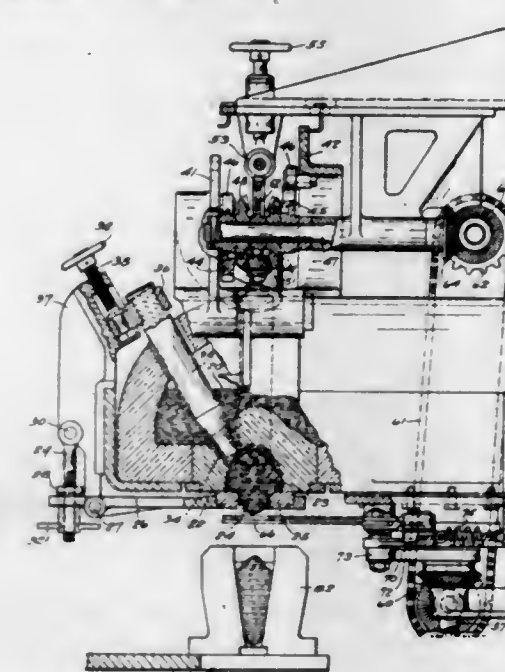
1,520,212. RADIATOR FOR MOTOR-DRIVEN VEHICLES. HARRY R. SONGER, Wichita, Kans. Filed Mar. 18, 1921. Serial No. 453,281. 1 Claim. (Cl. 257-125.)



In combination with a water cooling radiator, provided with a rearward extension of its upper water chamber, an air chamber positioned at bottom of said

radiator, air tubes connected to said air chamber, so as to permit the circulation of air through said tubes, said tubes extending upward in close proximity to the radiator, some of said tubes having curved ends passing through said water chamber extension as cooling means for said water, and said air from said tubes contacting with a deflector, causing said air to travel downward and coming in contact with the motor, alternate curved tubes being in parallel alignment with aforesaid tubes, extending upward and adapted to discharge the flow of air through said tubes against the bottom of said water extension, as cooling means for said water, said tubes being supported by a bar 8 mounted on brackets 9 by which means said tubes are held in proper position for the purpose of lowering the temperature of the water, an air deflector attached to the rear face of said extension and being exterior thereto, for the purpose described.

1,520,213. GLASS FEEDER. LEONARD D. SOUBIER and ENOCH T. FERNGREN, Toledo, Ohio, assignors to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 28, 1921. Serial No. 511,112. 22 Claims. (Cl. 49-55.)

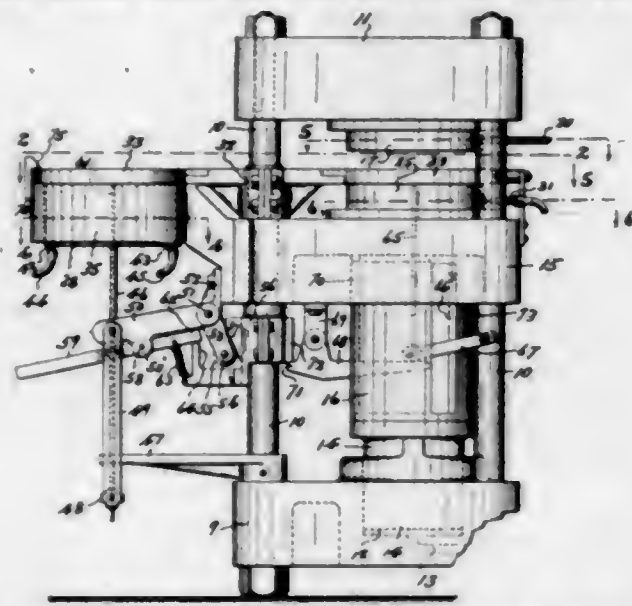


20. The combination of a container for molten glass, a displacement chamber having passageways leading from said container, a regulating valve restricting one of said passageways, means to adjust said valve to vary the restriction, plungers extending into the other passageways, and means to reciprocate said plungers in alternation.

1,520,214. MACHINE FOR MOLDING PHONOGRAPH RECORDS. CHARLES A. THOMSON, Belleville, N. J. Filed Nov. 2, 1921. Serial No. 512,165. 6 Claims. (Cl. 18-53.)

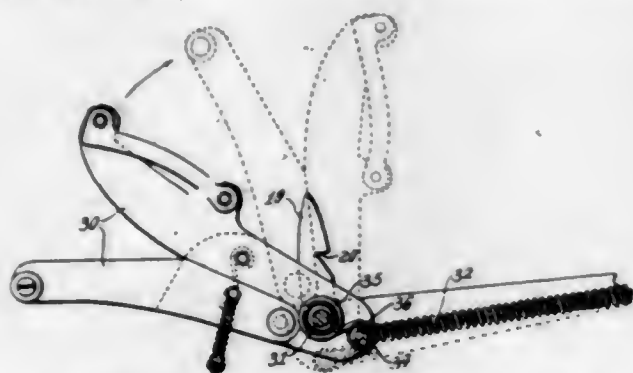
1. In a device of the kind described, a base, a head block, standards intermediate said base and head block, a ram device vertically movable on said standards intermediate said base and head block, means for operating said ram device, platen means connected with said head block and ram device for engaging the work to be pressed, an outwardly off-set bracket having a guideway connected with said ram device, an ejector plunger vertically movable in said bracket guideway, a turn-table rotatable on a standard above said ram device, said turn-table having a plurality of work supporting mold rings, normally aligned respectively with said platen means and said ejector plunger, and means operated by the upward movement of said ram device for raising said ejector plunger through the mold ring aligned therewith, a center post rod movable upwardly through said platen means, means operated by the upward movement of said ram de-

vice for raising said center post rod to operative position, a second center post rod movable upwardly through



said ejector plunger, and means cooperating with said ejector plunger actuating means for raising said second center post rod to operative position.

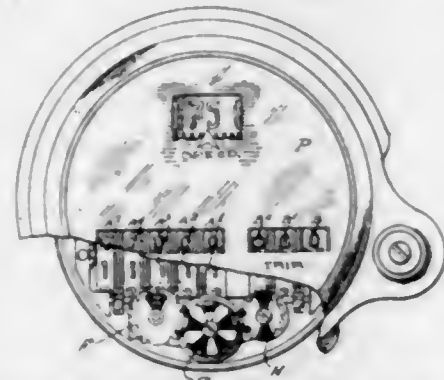
1,520,215. TARGET TRAP. FREDERICK D. WALLING, East Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Dec. 30, 1922. Serial No. 609,918. 4 Claims. (Cl. 124-5.)



1. A target trap comprising, a throw arm adapted for swinging movement to set position, means for arresting such movement in set position, a carrier pivotally mounted and yieldingly aligned on said arm so as to provide for a throwing movement, and a yielding bumper adapted to prevent oscillation of said carrier upon the arrest of said setting movement.

4. In a target trap, a throw arm, a carrier pivotally mounted on said arm and yieldingly aligned thereon so as to provide for a throwing movement, and a yielding return bumper for said carrier.

1,520,216. MILEAGE-PERIOD-INDICATING ODOMETER. FREDERICK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 31, 1922. Serial No. 585,421. 9 Claims. (Cl. 110-115.)



1. In combination with an odometer a mileage period indicating device comprising a series of indicating disks

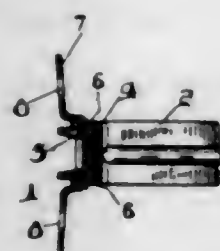
mounted for step-by-step rotation parallel to the face plate of the odometer, said face plate having sight openings for disclosing aliquot parts of annular areas of the disks respectively, and means for imparting step-by-step rotation to said disks from the odometer train.

1,520,217. AMUSEMENT SLIDE. HARRY AUERL, Minneapolis, Minn. Filed Aug. 4, 1924. Serial No. 729,896. 8 Claims. (Cl. 104-70.)



1. A pleasure device having in combination, an elevated support disposed adjacent a body of water, of a track extending up over said support and down into said water, and aqueduct leading from said body of water and aligned with the end of said track which is disposed away from said body of water, a steerable boat adapted to run on said track and move in said aqueduct, means for maintaining a current through said aqueduct, and means for lifting the boat on said track to said support and automatically releasing the same whereby the boat will coast down the track into the water and may be steered back into the aqueduct so that a continuous round trip may be had.

1,520,218. INSULATOR BRACKET. THOMAS H. BARNARD, Toronto, Ontario, Canada. Filed Aug. 3, 1922. Serial No. 579,477. 7 Claims. (Cl. 173-321.)

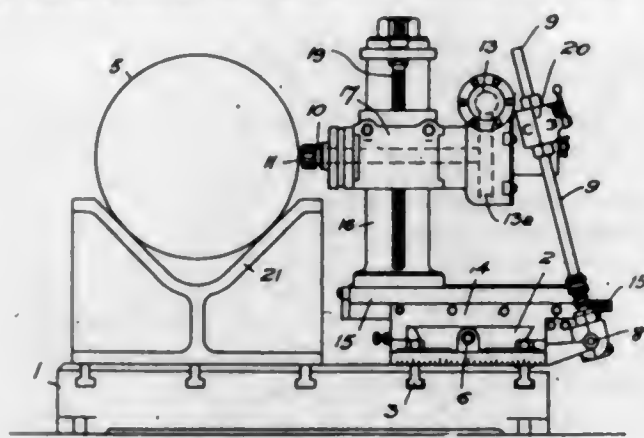


1. In an insulator bracket, the combination of a back strip having a portion of its bottom stamped up to form a slot at each side of the stamped up portion; an insulator supporting arm adapted to embrace said back strip and having slots therein in alignment with the first mentioned slots; and a strap passing through said slots.

1,520,219. APPARATUS FOR CUTTING INCLINED KEYWAYS IN SHAFTS OR LIKE OPERATIONS. JOHN WILLIAM BARNES, Rock Ferry, England. Filed July 2, 1921. Serial No. 482,249. 1 Claim. (Cl. 90-15.)

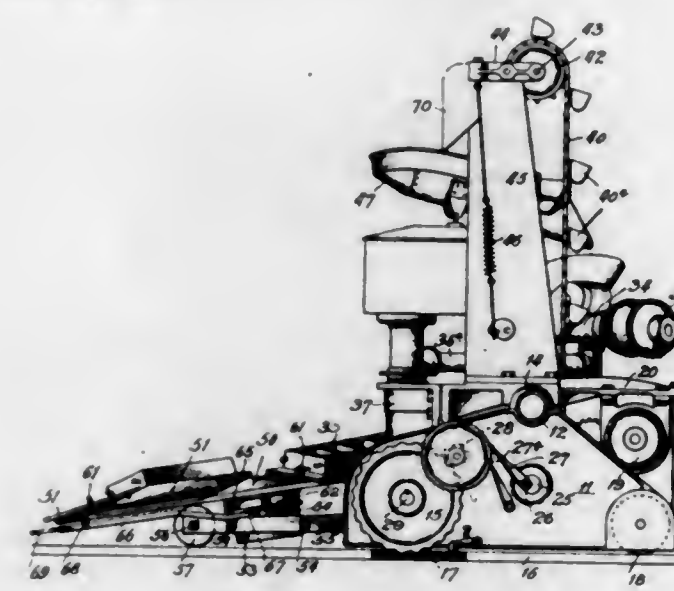
A machine for scarring plates, cutting inclined keyways and the like comprising, a bed plate to which the work is clamped, a guide angularly adjustable on the bed plate, means for driving the milling cutter, a feed screw for traversing the milling attachment on the guide, a control shaft on the guide geared to the feed screw, a slide adjustable at right angles to the traversing movement of the guide, a milling attachment adjustable vertically on the slide, a connecting shaft gearing the control shaft to the milling cutter spindle, said connecting shaft having a continuous keyway and engaging ro-

tatively but slidably with a reversing clutch member on the shaft whereby the direction of rotation of the feed



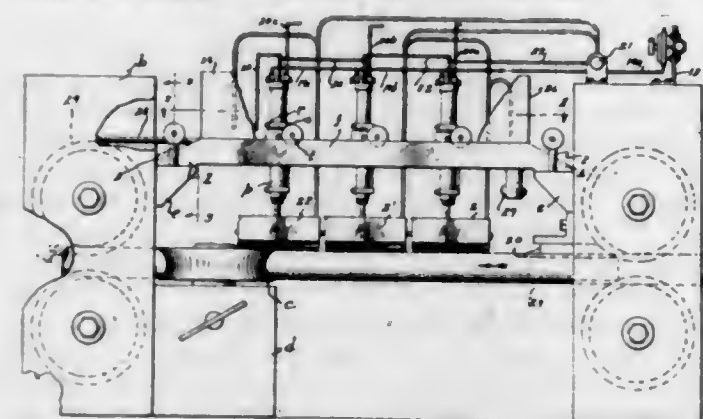
screw is controlled, the slidable engagement of the connecting shaft with the clutch member permitting vertical adjustment of the milling cutter while running.

1,520,220. MACHINE FOR MAKING MOLDS. ELMER O. BEARDSLEY and WALTER F. PIPER, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 31, 1921. Serial No. 526,199. Renewed Mar. 28, 1924. 21 Claims. (Cl. 22-36.)



1. In a moulding machine, the combination with a rotary sand projector bodily and horizontally movable in any direction to project sand into all portions of a flask, and means for feeding sand thereto, of mechanism for conveying flasks into and out of position to be filled by the projector.

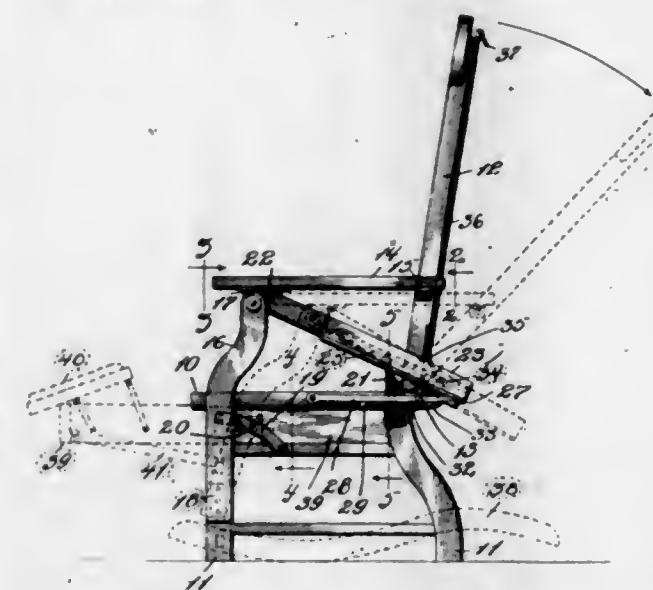
1,520,221. TUBE-WELDING MACHINE. RICHARD O. BERG and SIMON BERG, Detroit, Mich., assignors to Michigan Steel Tube Products Company, Detroit, Mich., a Corporation of Michigan. Filed July 28, 1922. Serial No. 578,065. 14 Claims. (Cl. 78-83.)



14. In a tube welding machine, the combination of a plurality of multiple flame jet tips, a torch for each tip,

a torch support in the form of a web member provided with longitudinal slots, a slide provided with a pinion and rack vertical adjustment for the torch, and means by which the torch may be clamped at various points along the slots to provide a longitudinal adjustment of the torch.

1,520,222. CHAIR. LEWIS W. BROWN, St. Louis, Mo. Filed Nov. 30, 1921. Serial No. 518,844. 3 Claims. (Cl. 155-162.)



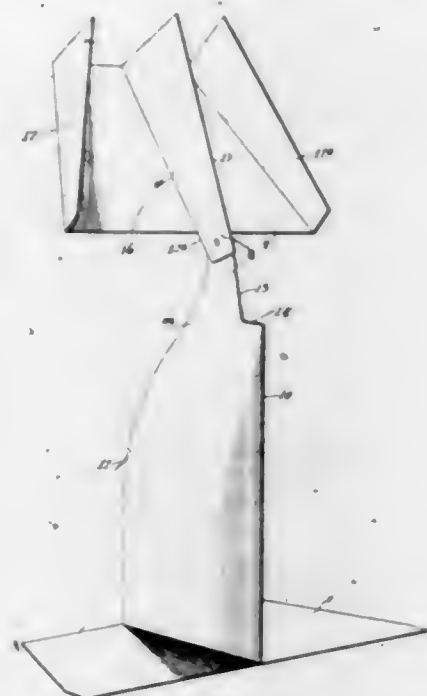
1. In a chair, a seat frame, a back frame pivoted to the rear of the seat frame for swinging movement, swinging supports pivoted near the front end of the seat frame, arms pivoted to the back frame and to the swinging supports, stationary pawls carried by the seat frame near the rear end thereof and having enlarged engaging ends, bars pivoted at their forward ends to said supports and extending rearwardly at opposite sides of the back frame beyond the seat frame, and having grooves in the under sides thereof for receiving the engaging ends of the pawls, toothed racks fitted in the grooves and adjustably engaged by the pawls, slotted plates fixed to the under sides of the bars and having the pawls working in the slots in said plates for engagement of the latter with the engaging ends of said pawls to limit the displacement of the racks relative to the pawls on the raising of the bars, levers pivoted at their forward ends to the sides of the seat frame and having rear cam ends engaged by the bars, and a tie rod located rearwardly of the seat frame and connecting the levers together for movement thereof in unison to lift both bars when elevating either lever.

1,520,223. MEANS FOR FACILITATING THE CONSTRUCTION OF FIREPLACES. ALMON W. BURR, Beloit, Wis. Filed Jan. 30, 1922. Serial No. 532,806. 3 Claims. (Cl. 33-174.)

1. A means for facilitating the construction of fireplaces including a member having forward and rear edges providing guides with respect to which the forward and rear walls of the throat of the fireplace may be constructed, said member comprising upper and lower sections, said upper section having upper and lower edges constituting guides for the construction of the top and bottom walls of the passageway leading from the throat, said upper section being pivoted to the lower portion to vary the inclination of said passageway with respect to the flue, and a second guide member adapted to be positioned in the plane defined by the lower edge of said upper section and to cooperate with said upper section to determine the width of said passageway, and having flanges agreeing in height with the height of said upper section.

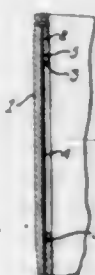
3. A means for facilitating the construction of fireplaces including a member having forward and rear

edges providing guides with respect to which the forward and rear walls of the throat of the fireplace may be constructed, said member comprising upper and lower sections, said upper section having upper and lower



edges constituting guides for the construction of the top and bottom walls of the passageway leading from the throat, said upper section being pivoted to the upper end of said member and adjustable to vary the inclination of said passageway with respect to the flue.

1,520,224. MEANS FOR IDENTIFYING SHOES. JOHN A. BUSH, St. Louis, Mo., assignor to Brown Shoe Company, Inc., St. Louis, Mo., a Corporation of New York. Filed May 28, 1924. Serial No. 716,382. 1 Claim. (Cl. 40-2.)

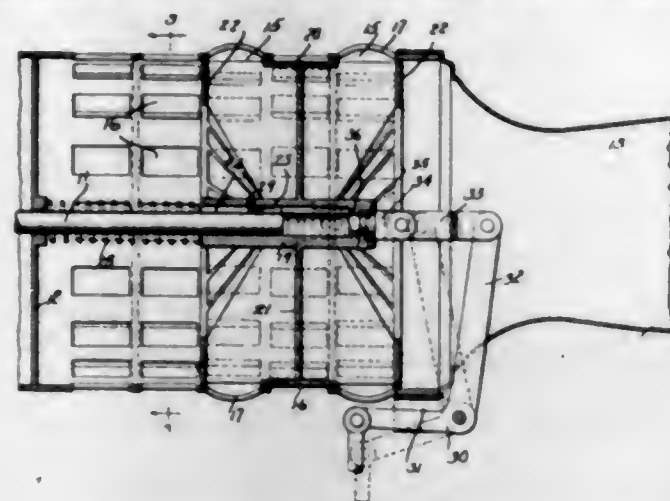


A shoe having an outer member, a lining provided with a sight opening, an identification member interposed between said lining and outer member and having its identifying elements exposed at said opening, the marginal portion of said identification member being stitched to said lining but not to said outer member.

1,520,225. SIGNALING SIREN. AUSTIN B. COSGRAVE and WILLIAM H. LEWIS, Mountain Lakes, N. J. Filed Nov. 10, 1921. Serial No. 514,225. 8 Claims. (Cl. 116-147.)

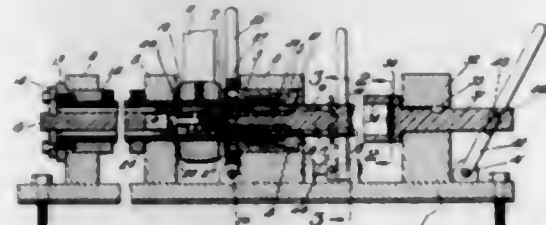
2. The combination with a sound producing device including a cylindrical casing having axially spaced radially apertured portions and a rotor having axially spaced complementary radially apertured portions for exhausting an internal pressure therefrom through the complementary radially apertured portions of the rotor and rotor casing to produce a sound, of means for eliminating the sound while the rotor continues its rotation comprising axially spaced circumferentially slotted portions in the rotor casing, said slotted portions being alternately arranged with respect to the apertured por-

tions of the casing, and means for effecting relative axial movements between the rotor and the casing to bring the



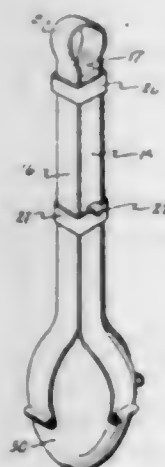
apertured portions of the rotor into registry with the slotted portions of the casing whereby the internal pressure is exhausted directly to the atmosphere.

1,520,226. METHOD AND APPARATUS FOR SPINNING METAL TUBES. RUFUS CROWELL, Winchester, Mass. Filed Jan. 11, 1922. Serial No. 528,497. 4 Claims. (Cl. 113-52.)



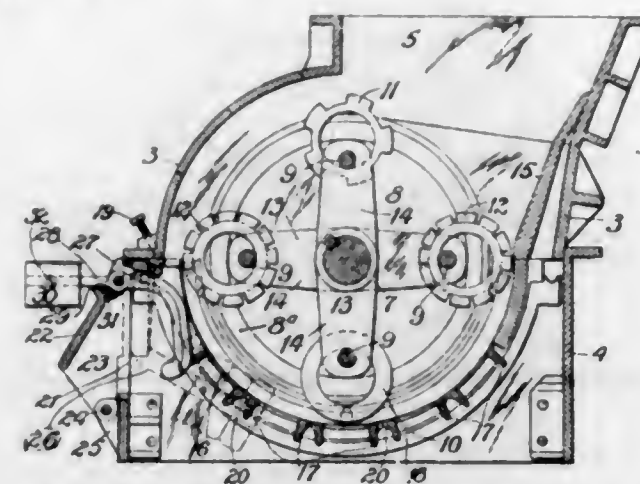
1. A device of the class described comprising a mandrel for supporting one end of a tube, means for rotatably carrying said mandrel and tube and permitting said mandrel to retract from the end of said tube, a socket member engageable over the end of said tube and mandrel, and movable axially thereof, rollers in said socket bearing against the ends of the tube and mandrel, means to rotate said tube relatively to said socket, and means for forcing said socket against the ends of said tube and mandrel, whereby the end of said mandrel is retracted and the end of said tube spun over.

1,520,227. FOOD-HANDLING UTENSIL. ATTILIO M. DE VITALIS, New York, N. Y. Filed June 3, 1922. Serial No. 565,671. 4 Claims. (Cl. 294-99.)



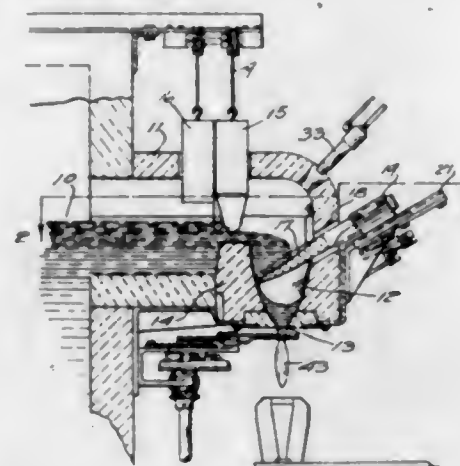
1. An egg handling utensil comprising a pair of resilient members bent into U shape and positioned at right angles to one another, and means for securing said members together at or near their respective middle portions, the free ends being formed to correspond to the shape of an egg.

1,520,228. PULVERIZING MACHINE. ERNST H. ELZE-MEYER and PAUL S. KNITTEL, St. Louis, Mo. Filed Mar. 3, 1923. Serial No. 622,563. 13 Claims. (Cl. 83-11.)



1. A pulverizer comprising a casing having a grinding grate and rotary elements cooperating with said grate, said grinding grate comprising a stationary concave and a plurality of fingers at the rear end thereof arranged to yield under predetermined pressure of material that remains unground after traversing the stationary concave so as to discharge such unground material.

1,520,229. MEANS FOR FEEDING MOLTEN GLASS. ENOCH T. FERGUSON, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 17, 1921. Serial No. 598,285. 5 Claims. (Cl. 49-55.)

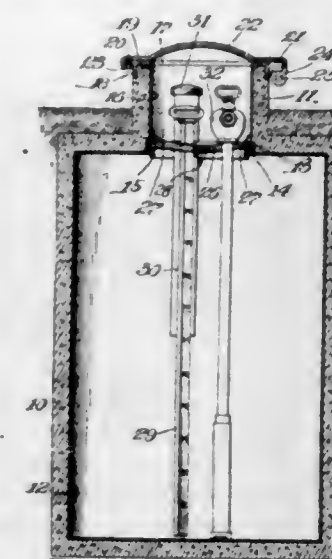


2. In apparatus for producing charges of molten glass, the combination of a discharge chamber or well having an outlet opening in the bottom thereof, means to admit a continuous supply of glass to the well at a point above said outlet, and an obstructing device periodically interposed between said point of supply and said outlet.

1,520,230. STORAGE TANK. OTTO S. FLATH, Chicago, Ill. Filed Sept. 19, 1921. Serial No. 501,755. 4 Claims. (Cl. 72-14.)

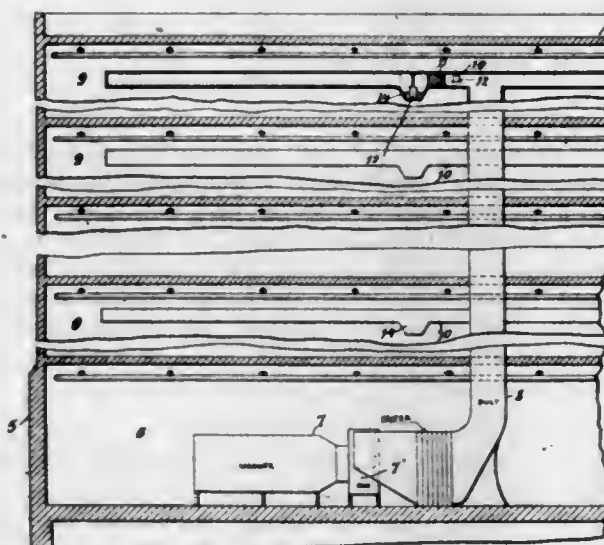
1. A tank of the character described, comprising an outer monolithic shell or casing composed of hydraulically setting or cementitious material and formed with a necked orifice in the top thereof, an inner wall or shell composed of material impervious to oil made continuous throughout the interior of the tank, a metallic shell disposed in the neck of the tank, the inner orifice of the neck being provided with a metallic ring having upwardly and downwardly disposed flange portions, the upwardly disposed flange portion being embedded in said outer shell while the downwardly disposed flange portion provides abutment for the inner shell of the main portion of the tank, a cap or plate adapted to seat on said ring at the inner orifice of the neck, said inner cap or plate being provided with a filling aperture, a pump-re-

ceiving aperture and a gauge or measuring stick receiving aperture, the shell of the neck of the tank and said cap or plate being provided with lugs and notches, respectively, adapted to register with each other, whereby the cap or plate may be locked in place, a flanged ring disposed about the outer orifice of the neck with the flanges



of said ring disposed downwardly and embedded in the outer shell or wall, said ring on its outer perimeter being provided at diametrically opposite points with laterally disposed lugs, and a closure member or cap having portions correlated to the laterally disposed lugs of the last mentioned ring whereby said last mentioned cap is secured in place.

1,520,231. HEATING SYSTEM. WALTER L. FLEISHER, New York, N. Y., assignor to W. L. Fleisher & Co. Inc., New York, N. Y., a Corporation of New York. Filed Oct. 27, 1922. Serial No. 597,432. 5 Claims. (Cl. 98-27.)

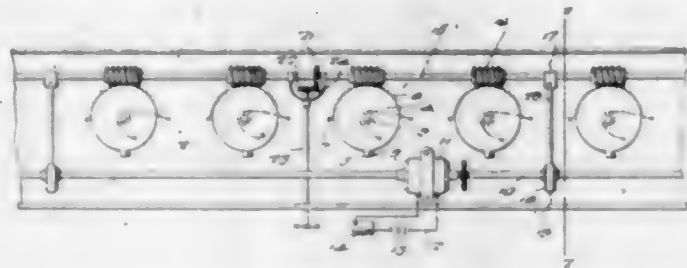


1. In a main heating system, a floor air duct, a heater in the duct, an automatically controlled normally opened air inlet for the duct, located in proximity to the heater, said inlet being adapted to be closed by the air pressure of the main heating system, a fan associated with the air duct and disposed on the side of the heater remote from the automatic inlet, and means associated with the duct and fan for either shutting off the fan from the duct or allowing the fan to draw air through the automatic inlet and heater and send it through the duct, substantially as and for the purposes set forth.

1,520,232. BANK GUARD. ABRAHAM L. FRENCH, Colorado Springs, Colo. Filed Apr. 4, 1924. Serial No. 704,194. 1 Claim. (Cl. 268-2.)

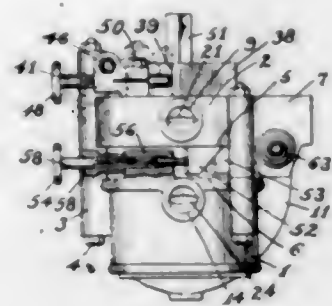
A guard comprising a support, panels pivoted thereon, wheels mounted upon the pivots of the panels and

having radially disposed arms and provided at their peripheries with sets of gear teeth, pins mounted upon the support and disposed transversely across the path of movement of the arms, springs connected at one end with the support and at their other ends with the wheels and serving to hold the arms of the wheels normally against certain of the pins, a shaft journaled



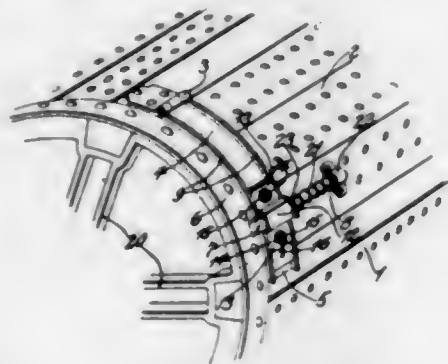
and movably mounted under the support, worms carried by the shaft and adapted to engage the teeth of the wheels, manually operable means for rotating said shaft, a second shaft located under the support, electrically operated means operatively connected with the last mentioned shaft, eccentrics carried by the last mentioned shaft, and means operatively connecting the said eccentrics with the first mentioned shaft.

1,520,233. LIQUID AND GAS REGULATING VALVE. JOSEPH A. GABRIEL, Cleveland, Ohio. Filed Mar. 28, 1921. Serial No. 456,290. 7 Claims. (Cl. 277-4.)



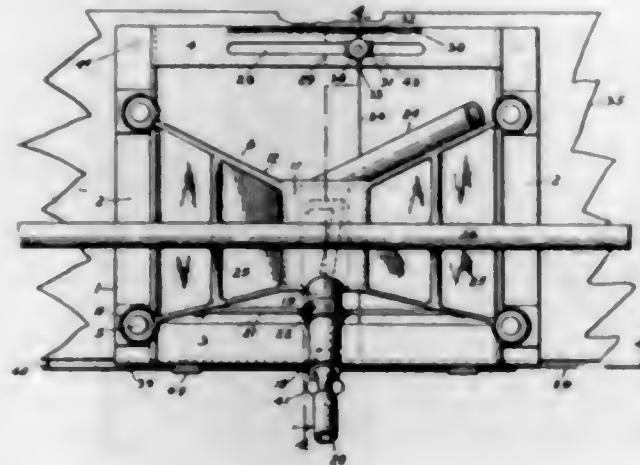
1. In a regulating valve, the combination of a casing, the casing having upper and lower inlet and outlet openings, an upper plug and lower plug rotatably mounted in the casing, the upper plug and the lower plug having conduits adapted to establish communication between said upper and lower inlet and outlet openings respectively, and adjustable means for causing the rotation of one plug when the other plug is moving, substantially as described.

1,520,234. CLOSURE FOR LAUNDRY-MACHINE DRUMS AND THE LIKE. OTTO R. GASSNER, St. Louis, Mo. Filed Jan. 19, 1924. Serial No. 687,219. 11 Claims. (Cl. 217-56.)



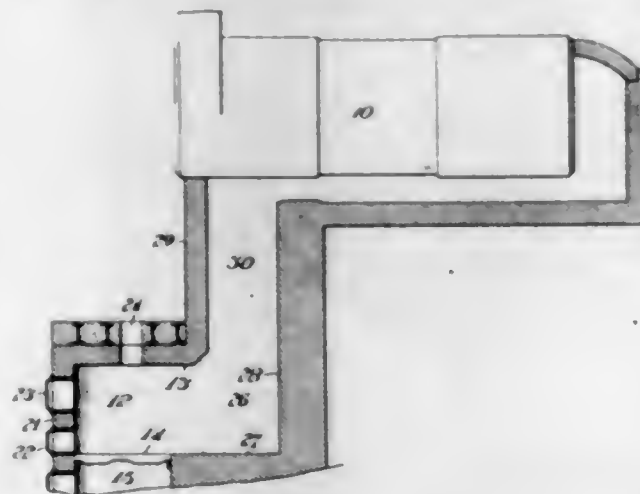
1. A device of the character described comprising, a base, a guide thereon, a bolt movable in said guide, and means for adjusting said guide upon said base.

1,520,235. BRANDING MACHINE. PAUL L. GREER, Oakland, Calif. Filed Nov. 13, 1923. Serial No. 674,465. 10 Claims. (Cl. 101-27.)



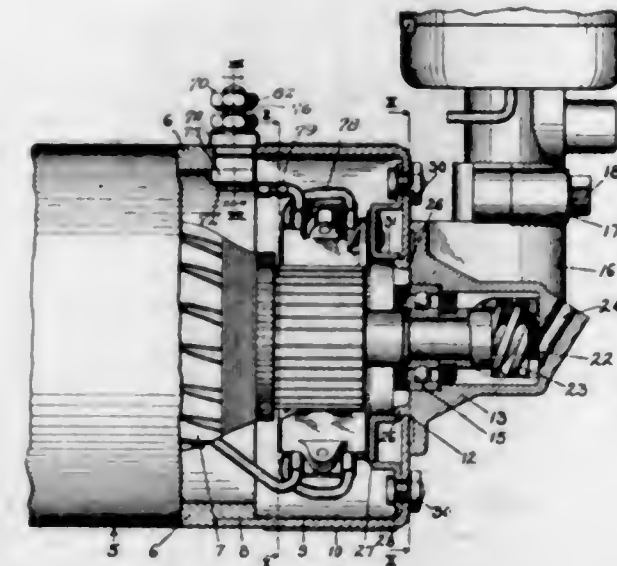
1. A portable branding machine comprising, a supporting frame and a movable frame thereon, means for limiting the movement of said movable frame, a branding block mounted in said movable frame, and adapted to operate through and below said supporting frame, and means for spacing and aligning said branding block with relation to the object to be branded.

1,520,236. STEAM-BOILER FURNACE. WILLIAM A. GILCHRIST, New York, N. Y. Filed Feb. 8, 1919. Serial No. 275,838. Renewed Mar. 19, 1923. 8 Claims. (Cl. 110-7.)



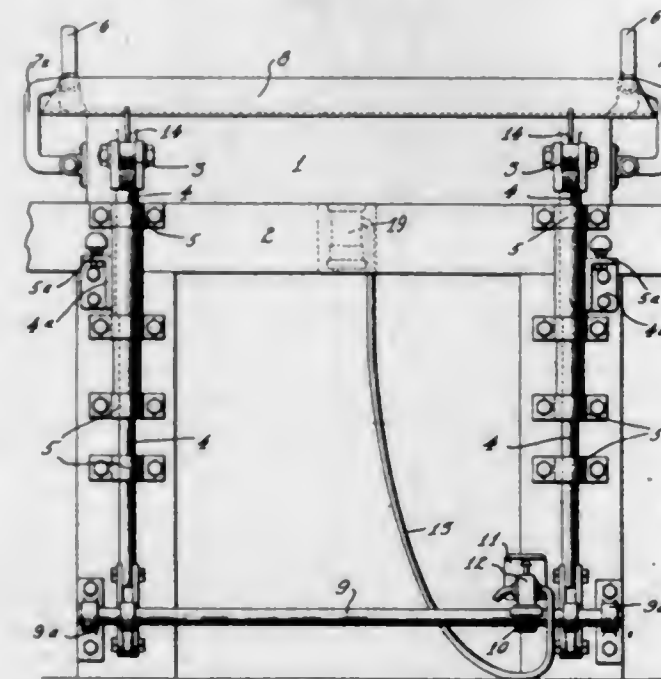
1. In a steam boiler furnace, in combination, a grate for supporting the fuel bed, a masonry arch and masonry side walls extending over and about the grate and forming therewith a fire box which is closed except at its rear end where it is open for substantially its entire width and height, a forwardly facing upright masonry wall beyond the rear end of the arch but adjacent the open end of the fire box and extending substantially from the grate level to and a substantial distance above the level of the said arch, a horizontal upwardly facing imperforate masonry floor extending substantially at the grate level from the rear end of the grate to the said upright masonry wall and constituting the floor of a combustion chamber having a direct communication with the chamber of the fire-box through the open rear end of the same, a boiler setting comprising masonry side walls and an upright masonry front wall extending upwardly from the rear end of the said arch and forming with the first mentioned upright masonry wall and the adjacent portions of the side walls of the setting an upward extension of the said combustion chamber within which the furnace gases are completely protected from contact with the boiler shell.

1,520,237. DYNAMOELECTRIC MACHINE. CLARENCE F. GILCHRIST, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 4, 1920. Serial No. 363,127. 8 Claims. (Cl. 172-36.)



5. In a dynamoelectric machine, a frame, an end head engaging said frame, the adjacent edges of said frame and end head being provided with aligning notches, an insulating binding post engaging in said notches and means for clamping said binding post in position.

1,520,238. CORE-MOLDING MACHINE. JOHN HAAG, Mansfield, Ohio. Filed Sept. 14, 1922. Serial No. 588,276. 4 Claims. (Cl. 22-10.)

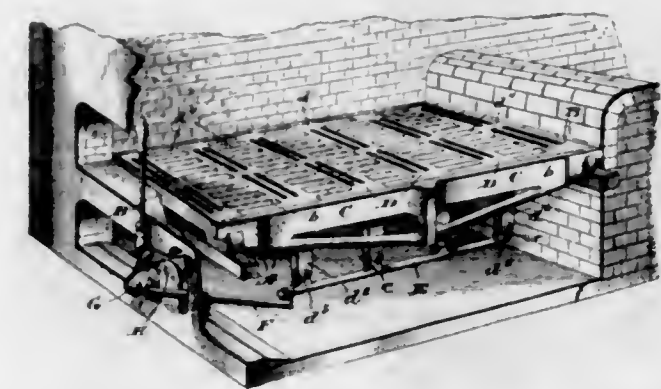


1. In a device of the type described, the combination of a pivoted core box and a core box closure plate adapted to move in relatively right angled lines, and hand-held equipped clamps connected to said core box.

1,520,239. SHAKING AND DUMPING GRATE. ARTHUR D. HAMLIN, deceased, late of Portland, Me., by Minnie M. Hamlin, administratrix, Portland, Me. Replied for abandoned application Serial No. 293,806, filed Dec. 29, 1905. This application filed Sept. 11, 1924. Serial No. 737,443. 1 Claim. (Cl. 126-176.)

A grate of the character described comprising a frame, a plurality of toothed grate bars journaled therein, the teeth of each of said bars being arranged to occupy the space between the teeth of the next adjacent bar, an

arm depending from the central portion of each of said rocking bars, said arm being positioned directly in rear of one of the teeth of said bar and of less width than the space between adjoining teeth on the next adjacent bar and being of a length to permit its entrance into said space and to clear the adjacent bar when the bars

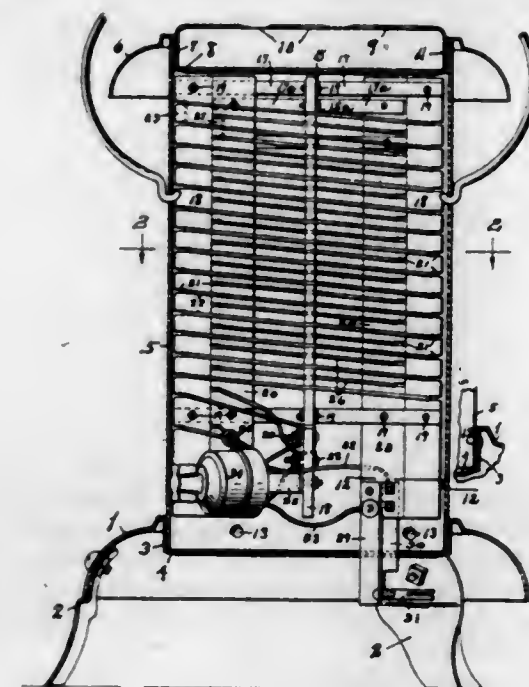


are rocked, a bar extending transversely of said grate bars and provided with a plurality of upwardly extending arms directly underlying and pivotally connected to the free ends of the arms depending from said grate bars, and means for imparting a reciprocatory movement to said bars.

1,520,240. REDUCTION OF METALS. WALTER BIRKETT HAMILTON, Lancaster, England, and FERGUS REID, Norfolk, Va. Filed May 17, 1923. Serial No. 639,697. 8 Claims. (Cl. 75-1.)

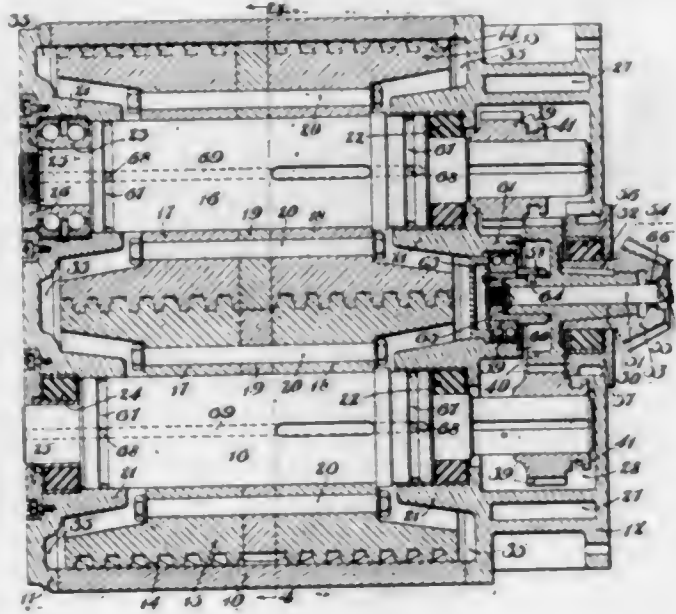
1. The process of reducing metal oxide and separating it from ore, which consists in adding a reducing agent for oxide of silicon to a molten reception slag containing oxide of silicon and oxide of the metal to be reduced.

1,520,241. ELECTRIC HEATER. ARTHUR H. HAPPE, Detroit, Mich. Filed Feb. 6, 1922. Serial No. 534,390. 13 Claims. (Cl. 219-34.)



1. In a heater, the combination of a supporting frame comprising pairs of vertical strips of non-conducting material having notches along their outer vertical edges, two heating wires wound on said strips, conductor wires leading to a current source, and a switch to connect the heating wires to the conductor wires in series or in parallel.

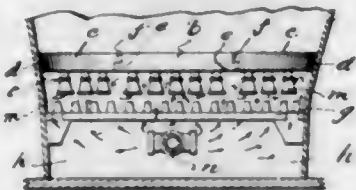
1,520,242. ROTARY FLUID-PRESSURE MOTOR. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 26, 1918. Serial No. 255,797. 23 Claims. (Cl. 121-70.)



1. In a fluid pressure motor, a casing having a rotor chamber, a pressure chamber below said rotor chamber and communicating therewith, an exhaust chamber above said rotor chamber and communicating therewith only through the ends thereof, an oil and dust trap in said exhaust chamber, and an exhaust port in the top of said casing leading from said exhaust chamber to the atmosphere.

4. In a fluid pressure motor, a casing comprising a central section and end sections secured to said central section, each of said latter sections having rotor bearings, said central section having a rotor chamber and pressure and exhaust chambers, and one of said end sections having pressure and exhaust spaces communicating with said pressure and exhaust chambers, respectively.

1,520,243. DIVIDED GRATE. HARRY F. HOLLANDS, Detroit, Mich. Filed Nov. 16, 1922. Serial No. 601,214. 2 Claims. (Cl. 126-163.)

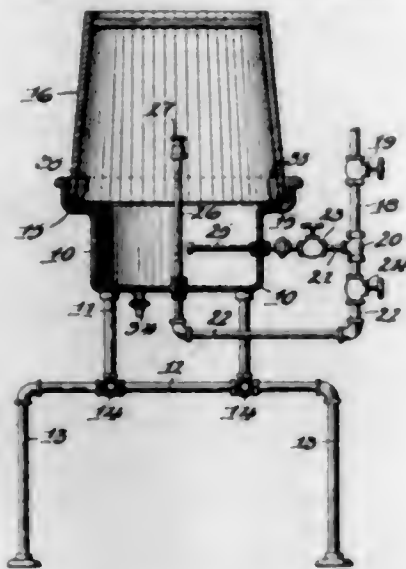


1. In a furnace, the combination of an ash pit, a fire pot portion above the ash pit having inclined walls, a divided solid grate member having a plurality of openings therein and provided with beveled edges adapted to engage with the said inclined walls to support the divided grate, whereby the said grate sections are wedged together to seal the joints, and an air inlet pipe leading into the ash pit for introducing air under pressure to the underside of the grate.

1,520,244. MEANS FOR COATING FOOD CONTAINERS. ALBERT C. HOUGLAND, St. Paul, Minn., assignor to Crane Company of Minnesota, a Corporation of Minnesota. Filed Oct. 13, 1922. Serial No. 594,277. 5 Claims. (Cl. 91-44.)

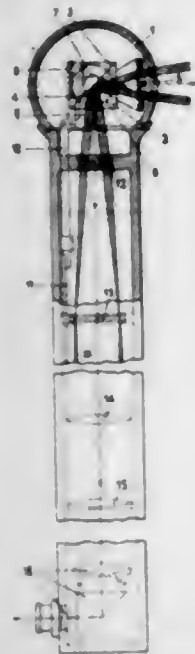
1. Coating apparatus comprising, a reservoir for coating material, means for supporting a container above said reservoir, a pipe arranged to supply steam to said

reservoir and to withdraw coating material therefrom, a valve in said pipe, a second pipe connected to said first



mentioned pipe and disposed to communicate with a container on said support and a valve in said second pipe.

1,520,245. PERISCOPE WITH A TRANSPARENT HOOD. JULES HUMRECHT, Friedenau, near Berlin, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, Germany. Filed Aug. 23, 1921. Serial No. 494,498. 3 Claims. (Cl. 88-1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)

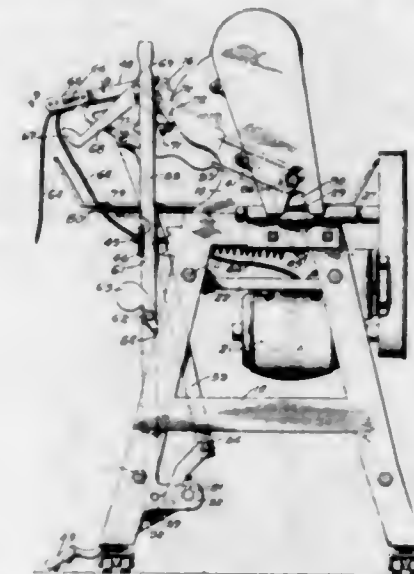


1. In a periscope with a transparent hood closing the light entrance end of the instrument in combination an entrance reflector and a lens in front of the entrance reflector adapted to compensate the lens effect of the hood both rotatable about a common axis substantially at right angles to the axis of the periscope, gearing adapted to simultaneously rotate said lens and said entrance reflector the angular velocity communicated by said gearing to said lens being double the velocity communicated to said entrance reflector.

1,520,246. IRONING MACHINE. THOMAS E. HUNT, Chicago Heights, Ill., assignor to Quaker Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 7, 1921. Serial No. 482,921. 16 Claims. (Cl. 68-9.)

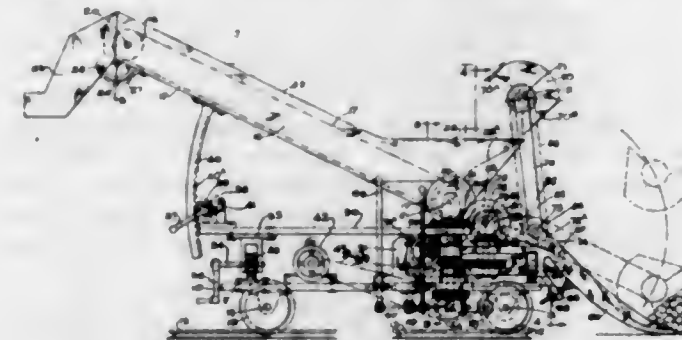
1. In an ironing machine, the combination with a supporting frame, of a pair of levers fulcrumed therein, a heated shoe rigidly secured between the levers so as to move therewith, a feed table secured between the

levers just beyond the shoe, a roll journaled in the frame co-operating with the shoe, means for rotating the roll, an arm connected with one of the levers and projecting



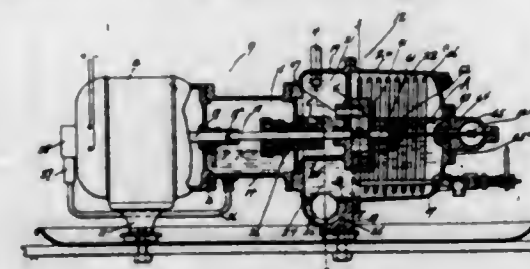
downwardly from the shoe, and a spring connected at one end to the arm and at the other to the frame to pull the shoe against the roll.

1,520,247. PORTABLE SHOVELING AND LOADING MACHINE. RICHARD S. JACOBSEN, Chicago, Ill. Filed Apr. 3, 1919. Serial No. 287,150. 34 Claims. (Cl. 214-90.)



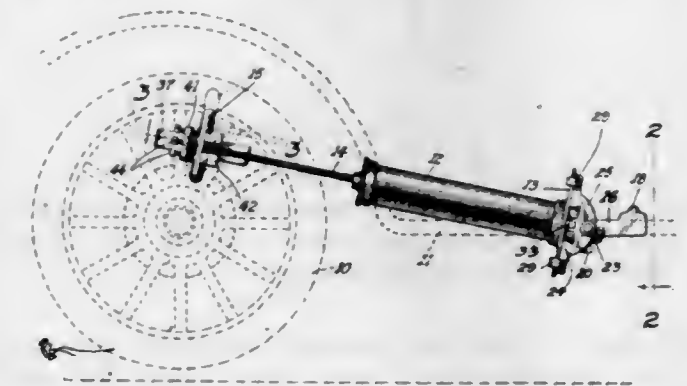
1. In a machine of the class described, in combination in a unitary structure, conveying means, a scoop arranged forwardly thereof, means for oscillating said scoop from a forward and lower position to a rearward and upper position, about a transverse axis in rear of the loading position of the scoop, so that the scoop swings upward in front of said axis to reach the discharging position, and for at the same time rotating said scoop to take the load and discharge the same onto the conveying means, said scoop and said other elements of said unitary structure being organized in operative relation whereby said scoop has the arc of a circle as its entire path of travel from its loading position to its discharging position.

1,520,248. REFRIGERATOR UNIT FOR DOMESTIC REFRIGERATORS. CHARLES H. JACOBSEN and CARL BREER, Detroit, Mich. Filed June 23, 1920. Serial No. 391,135. 23 Claims. (Cl. 230-30.)



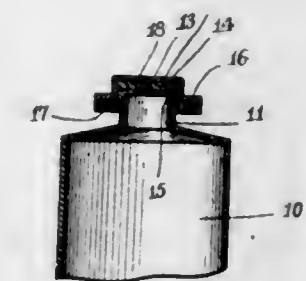
1. In a pump, the combination of an annular pump chamber; a rotor operating in the chamber; a high pressure chamber to which the pump discharges; and means for delivering oil from the high pressure chamber to the pump chamber for sealing the pump comprising devices for opening and closing said means with the starting and stopping of the motor.

1,520,249. AIR PUMP ATTACHMENT FOR AUTOMOBILES. ELMER KAUFMANN, Milwaukee, Wis. Filed June 27, 1921. Serial No. 480,586. 3 Claims. (Cl. 103-218.)



1. Means for attaching a pump to an automobile, such means comprising a plate adapted to bear against the edge of the running board and having lugs extending over one side of the same, means upon the plate at the other side of the running board to effect engagement of the said lugs with the running board and secure such plate in position, and a post extending laterally from the plate, in combination with a transversely recessed block swivelled upon the said post, means upon the said block for clamping the foot plate of the pump thereto, such means comprising lugs at one side of the block and a slide movable in the transverse recess, the slide also, being provided with lugs, and means for moving the slide to engage and hold the foot plate upon the said block.

1,520,250. REMOVABLE CAP FOR CONTAINERS. DUNCAN MACMILLAN KERR, Palmerton, Pa. Filed Nov. 20, 1920. Serial No. 425,305. 3 Claims. (Cl. 221-60.)

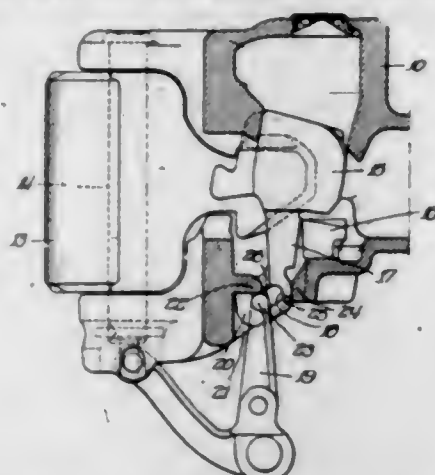


1. The combination with a container having an annular head of a torus formation, of a cap having an internally formed annular spring pocket near its edge, and a spring therein adapted to snap over the beaded end of the container when the cap is placed in position or removed.

1,520,251. COUPLER. EDMUND P. KINNE, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 10, 1922. Serial No. 573,912. 6 Claims. (Cl. 213-146.)

1. In a coupler, the combination of a head having an opening for the passage of the leg of a lock, a knuckle pivotally connected to said head, a lock for said knuckle having a leg movable in said opening, a bottom lift member for lifting said lock from a locking position, an anti-

creep lug extending into said opening adapted to be engaged by said lift member for preventing said lock



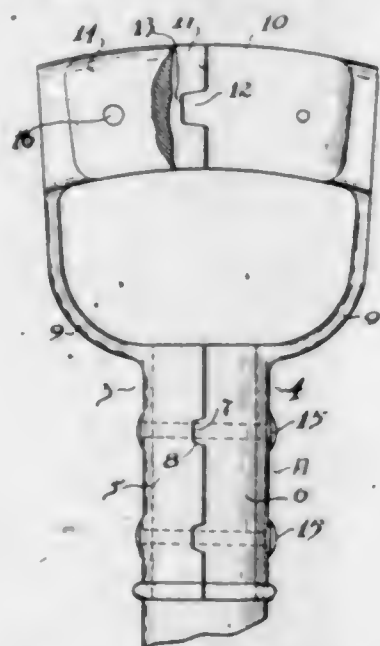
from creeping into a non-locking position when said leg is in a given position, and means normally for preventing said leg taking a different position.

1,520,252. NICOTINE ABSORBER. JOHN T. LINK-LATER, Minneapolis, Minn. Filed Aug. 29, 1921. Serial No. 496,421. 5 Claims. (Cl. 131-12.)



1. The process of producing a nicotine absorbing device adapted to be placed in a pipe which consists in mixing together bicarbonate of soda, Portland cement, plaster of Paris and common salt substantially in the proportions of 2, 10, 20 and 1, respectively, then adding water to said mixture to form a paste, molding said paste into cakes in a form adapted to be received in a bowl of a tobacco pipe permitting the material forming said cakes to set, and then drying the same.

1,520,253. SHOVEL HANDLE. JOHN E. McMAHON, St. Paul, Minn. Filed Sept. 8, 1924. Serial No. 736,515. 4 Claims. (Cl. 294-57.)

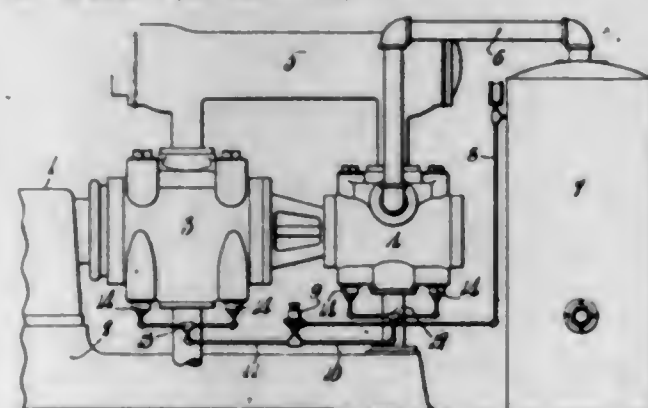


1. A shovel handle, comprising a shaft, a pair of complementary, interlocking members to embrace said shaft, an upwardly curved extension connected to each of said interlocking members, a transverse projection from each of said upwardly curved extensions, interlocking means intermediate said transverse projections, and fibrous means affixed to a side of said extensions to form a manual grip thereon.

1,520,254. LEAD ALLOY AND PROCESS FOR MAKING SAME. WALTHER MATHESIUS and HANS MATHESIUS, Charlottenburg, near Berlin, Germany. Filed Oct. 21, 1922. Serial No. 596,144. 6 Claims. (Cl. 75-1.)

1. The herein described process, which consists in applying a fused material containing chlorid of strontium to a bath of a molten lead alloy containing calcium and an alkali metal.

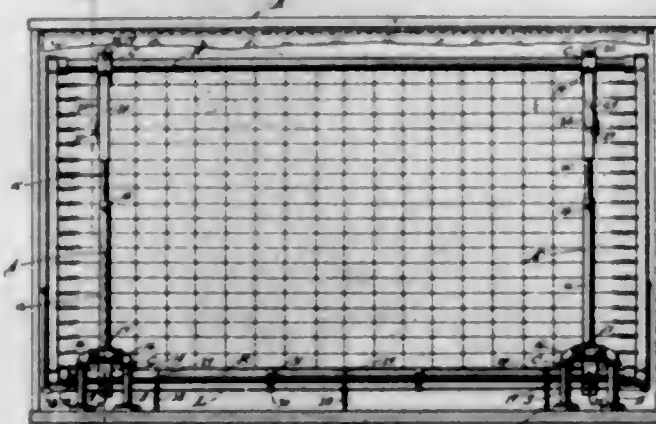
1,520,255. COMPRESSOR. LOUIS A. MAXSON, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 8, 1921. Serial No. 506,384. Renewed Sept. 6, 1924. 13 Claims. (Cl. 230-24.)



1. Unloading means for multistage compressors comprising means for opening the inlet valves of the cylinders of each stage including fluid pressure controlled pistons subjected continuously on one side to the pressure at the intake side of the cylinder with whose inlet valves it cooperates, and on the other side intermittently and in accordance with discharge pressure variations to fluid pressure at higher pressure, said pistons presenting substantially different areas to such intake and higher pressures, the areas at the opposite sides of one of said pistons being such that the force opposing movement thereof during normal compressor running exceeds the force tending to move it resulting from the action thereon of said higher pressure.

2. Means for unloading a compressor by opening the inlet valves thereof comprising a differential cylinder, a differential piston reciprocable therein, means for subjecting one side of said piston continuously to the pressure in the intake chamber of the cylinder with which it is used, and means for intermittently subjecting the other side thereof to compressor discharge pressure, the ratio of the area of the side subject to the pressure in the intake chamber to the area subjected to compressor discharge pressure being greater than the ratio of compressor discharge pressure to the pressure in said intake chamber during normal loaded running.

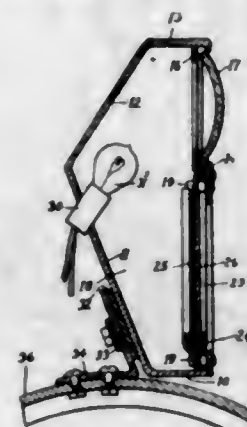
1,520,256. CONVERTING DEVICE FOR WALL BEDS. JAMES A. MOON, Los Angeles, Calif. Filed Mar. 30, 1922. Serial No. 548,147. 1 Claim. (Cl. 5-162.)



In combination, a pair of upstanding tubular members having inwardly curved upper ends, a third tubular

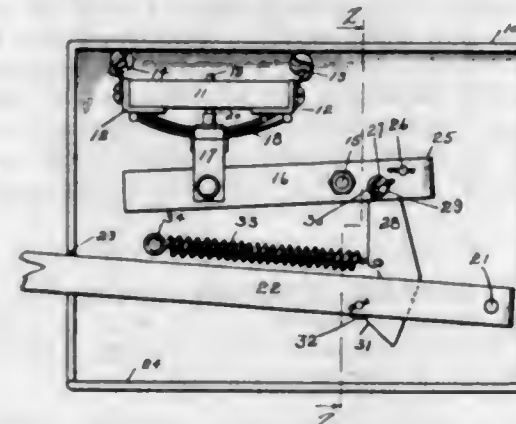
member detachably associated with and connecting the upper ends of said member, and a T-shaped member having the head thereof rotatably fitted on the second mentioned member.

1,520,257. COMBINATION LICENSE-PLATE AND TAIL-LIGHT STRUCTURE. ROSS L. MORLAN and LOUIS J. COSTELLO, Des Moines, Iowa. Filed Feb. 27, 1924. Serial No. 695,428. 1 Claim. (Cl. 40-132.)



In a license plate and tail light structure, a casing having rear, top, bottom and end walls and a front wall, a light device in the casing, a transparent member mounted in the upper part of the front wall, said front wall having an opening in its lower portion, a removable frame having on the inner side at its sides and lower part, channel-shaped guides and holders and having at its lower edge a flange, said frame being placed in said opening with said flange resting on the bottom wall of the casing and the upper edge of the frame overhung by the portion of the front wall above said opening, and a removable number plate received in said channels having open portions forming indicating characters, and a translucent member behind said plate.

1,520,258. ELECTRIC SWITCH. RALPH PENN, Des Moines, Iowa, assignor of one-half to Albert Penn, Des Moines, Iowa. Filed Apr. 17, 1924. Serial No. 707,088. 2 Claims. (Cl. 74-14.)

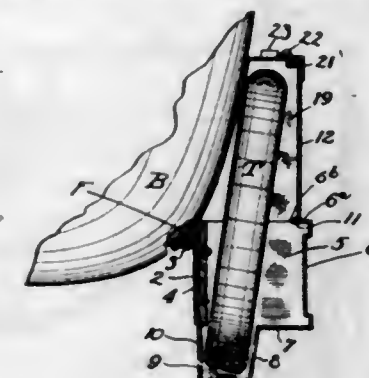


1. In an electric switch structure of the class described, a support, two elements pivotally mounted thereon, an arm, said arm and one of said elements having respectively an angle faced apexed member and an engaging member for coacting with each other, a link pivoted to said arm and the other of said elements for connecting them at spaced points on said link, and a spring for yieldingly holding said apexed member and engaging member in contact and for causing the arm to tend to swing said link for moving the arm in a direction for carrying the point of said apexed member across said engaging member.

1,520,259. UTILITY BOX FOR VEHICLES. PETER PETERSEN, Los Angeles, Calif. Filed Dec. 1, 1922. Serial No. 604,254. 1 Claim. (Cl. 224-29.)

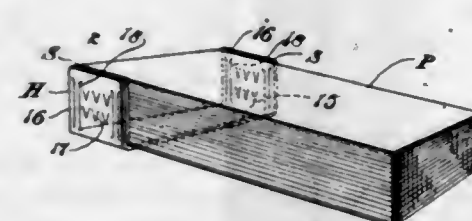
A utility box comprising a substantial back board, end boards secured to the back board, a vertical box

wall secured to the end boards, a continuation of the box wall extending horizontally toward the back and forming a shelf and extending downwardly and then horizontally to form a bottom, an upturned wall extending from the bottom and secured to the back board, the back board being adapted to be secured to a transverse frame of a vehicle and the end boards being adapted to be secured to the rear ends of the guards, the upper edge of the vertical box wall being bent hori-



zontally inwardly and having an upturned lip, a movable cover hinged to the horizontal portion and extending upwardly, short top plates secured to the upper edges of the end walls and extending inwardly and having upturned portions at their inner ends, end panels secured to the upturned portions, a central top connecting the end panels, the edge of the top being folded inwardly and returned to form a receiver for the upturned upper edge of the cover, and means for securing the cover in closed position.

1,520,260. COMBINED PAD AND HOLDER. IRWIN E. PRATT, Los Angeles, Calif., assignor of one-half to Samuel A. Greenwood, Los Angeles, Calif. Filed Dec. 29, 1921. Serial No. 525,663. 2 Claims. (Cl. 281-25.)



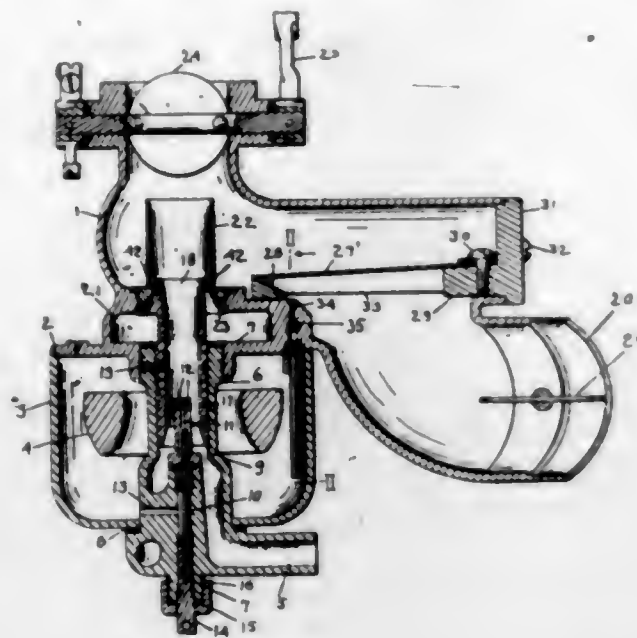
2. In combination, a pad including relatively soft strips of material and adhesively secured to the pad, a holder embracing the pad, means carried by the holder and engageable with the strips for locking the pad within the holder, and an extension formed in the holder and adapted to be clamped for supporting the holder and pad.

1,520,261. CARBURETOR. GEORGE F. RITTER and HARRY C. TILLOTSON, Toledo, Ohio, assignor to The Tillotson Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 23, 1914. Serial No. 878,693. 12 Claims. (Cl. 261-41.)

1. A carburetor comprising the combination of a mixing chamber, a primary fuel and air supply passage communicating with said mixing chamber and continuously open for the passage of air therethrough, an auxiliary air supply passage communicating with said mixing chamber, an automatically operable air intake valve controlling the communication between said auxiliary passage and said mixing chamber, a choke valve in said auxiliary passage, and a passage connecting said auxiliary passage with said primary passage and opening into said auxiliary passage between said air intake valve and said choke valve.

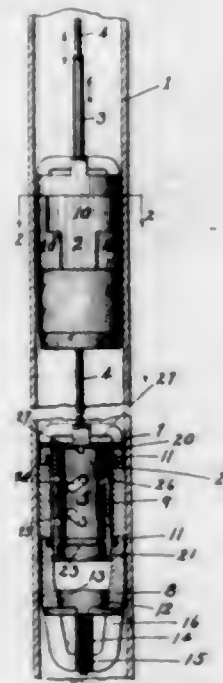
7. In a carburetor, a primary air and fuel supply passage, a secondary air supply passage, separate and independent from said primary air supply passage, a supplemental air supply passage, the secondary air sup-

ply passage being connected with the supplemental supply passage and the primary fuel supply passage, and common



means for controlling the admission of air to said secondary air supply passage and to said supplemental air supply passage.

1,520,262. PUMP PLUNGER. CHARLES J. SCHENK, Runnington, Calif. Filed Sept. 28, 1923. Serial No. 665,344. 16 Claims. (Cl. 103—225.)

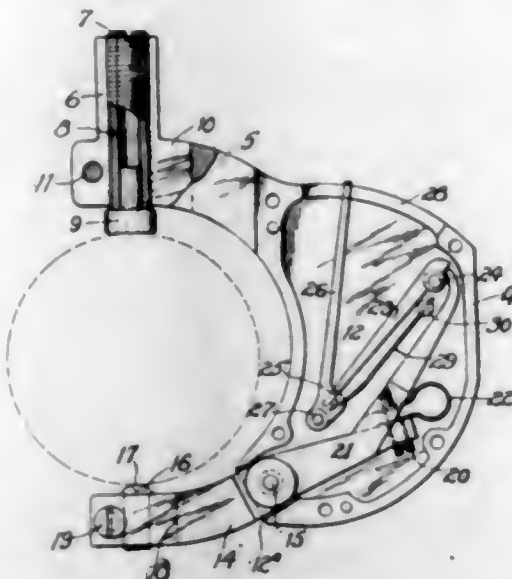


1. In a pump plunger, an upper annulus and a lower annulus secured together by an apertured connecting barrel surrounded by alternately reversed T-shaped plunger sections radially movable thereto.

1,520,263. INDICATING GAUGE. OSWALD SCHLAUFITZ, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 4, 1923. Serial No. 643,331. 9 Claims. (Cl. 33—148.)

1. A gauge comprising a contact member, a movable contact member between which and said first-mentioned contact member is received the member to be gaged, a pointed arranged for limited swinging movement, and

means for transmitting motion from said movable contact member to said pointer, said means permitting



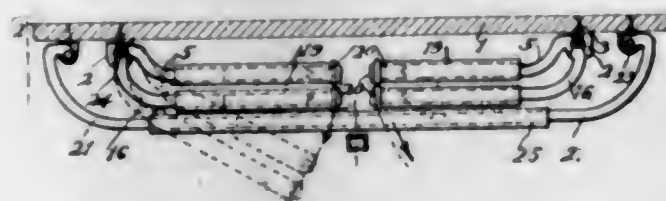
movement of said movable contact member away from said first-mentioned contact member after said pointer has reached the limit of its swinging movement.

1,520,264. SAFETY RAZOR. ABRAHAM SELIGSTEIN, Munich, Germany. Filed May 26, 1923. Serial No. 641,649. 1 Claim. (Cl. 30—12.)



In a safety razor comprising a guard plate having a convex blade supporting surface, a clamping plate having a concave blade engaging surface, a clamping bar or rib, a handle, interengaging means between the handle and bar, means to properly position a blade on either of said plates, said clamping plate being reversible whereby the blade may be clamped in convex position between said clamping plate and bar for holding the blade for stropping or honing purposes, said clamping plate being apertured to receive the interengaging means and positioning means but being otherwise plain and unobstructed.

1,520,265. CURTAIN FIXTURE. PETER THIBODEAU, Holyoke, Mass., assignor of one-half to David H. Young, Holyoke, Mass. Filed Apr. 28, 1923. Serial No. 635,211. 5 Claims. (Cl. 156—22.)



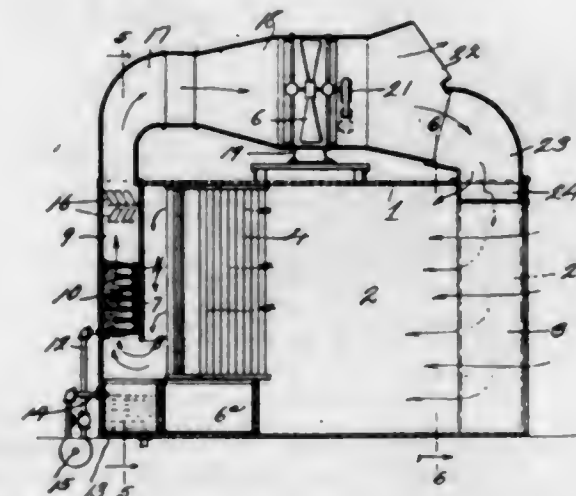
4. A curtain rod construction, comprising in combination, of a pair of rods located in the same plane and in spaced parallel relation, a common supporting bracket, the inner ends of the rods being placed one over the other, the lower rod having a part which enters the bracket and formed with a lug and two shoulders, the upper rod having a recess on its lower side to receive the lug of the lower rod to cause the two rods to move together, the bracket having a lug with which the two shoulders of the lower rod engages to limit the outward and inward movements of the two rods.

1,520,266. CONVERTIBLE PITCHFORK AND RAKE. OTHMAR VETSCH, Albertville, Minn. Filed Feb. 1, 1924. Serial No. 690,077. 2 Claims. (Cl. 294—52.)



1. In a pitchfork of the class described, an elongated handle, a fork pivotally secured in one end of said handle, means pivotally secured to said fork and operatively connected with the handle to hold the fork in either of two selective positions relative to the said handle, the forward end of said handle comprising a metallic extension mainly U-shaped in cross section and a bifurcation at its extremity, a central arm extension on said fork in a plane with its tines and pivotally secured in said bifurcation, a lock bar pivotally secured with one end to the extremity of said fork extension and extending into the U-shaped part of the handle and thence through an aperture therein, said means for holding the fork in angular relation to the handle comprising a cam pivotally secured to the lock bar, and adapted to frictionally engage the handle at one end of said aperture.

1,520,267. PAINT-SPRAYING CABINET. FREDERICK WALTZ, South Bend, Ind. Filed Sept. 4, 1923. Serial No. 660,753. 8 Claims. (Cl. 91—60.)

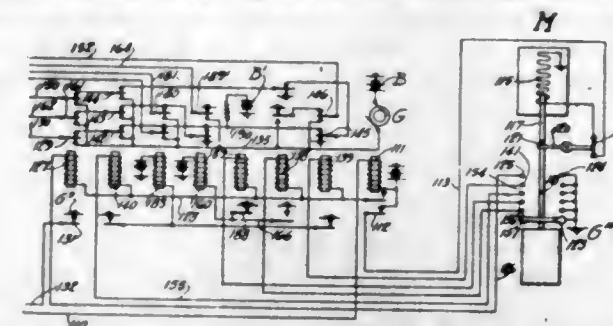


1. A paint spraying cabinet comprising a casing having a spraying chamber therein, said cabinet being disposed in a room, means for recirculating air through said chamber and cleansing the air in its recirculation, means for discharging a portion of the recirculating air into the room, and means for admitting fresh air to the recirculating air from the room.

1,520,268. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 23, 1920. Serial No. 418,944. 12 Claims. (Cl. 179—17.)

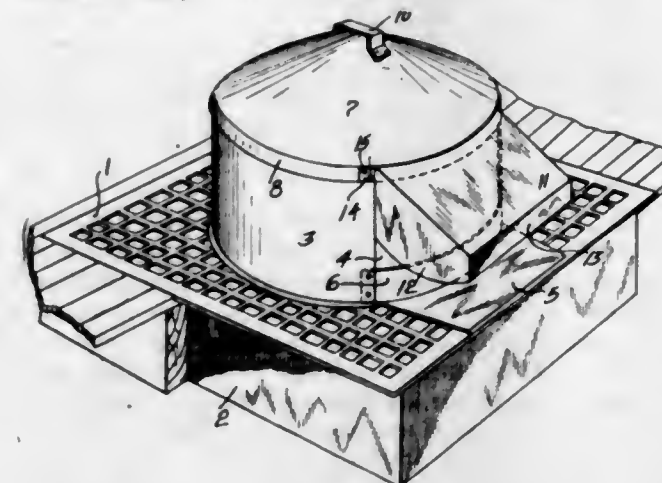
1. In a telephone system, the combination, with a party line provided with substation ringers connected from the same side of the line to ground, of a grounded ringing generator, automatic ringing equipment, automatic means controlled over said line for extending a connection to said equipment, and automatic means in-

cluding said equipment for variably connecting the ungrounded pole of said generator to the ringer conductor



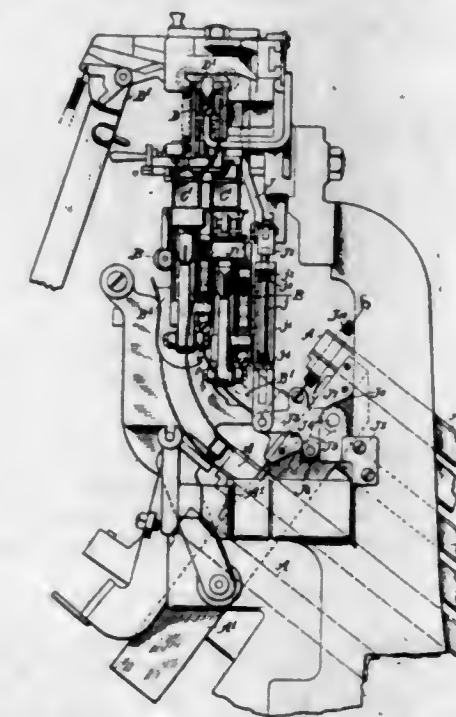
of said line to selectively signal the parties thereon over a circuit including said extended connection.

1,520,269. HOOD. ALICE L. YELLE, Pullman, Wash. Filed June 9, 1924. Serial No. 718,747. 1 Claim. (Cl. 98—50.)



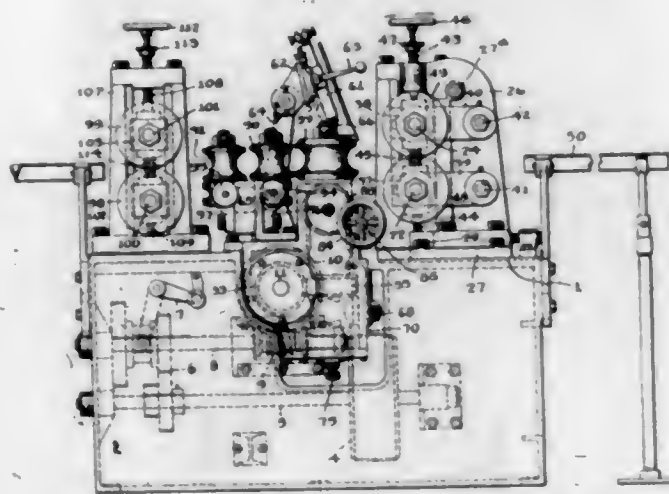
A hood for the purpose described comprising a conical-shaped, flanged top, two pairs of legs within the top and projecting there below, said pairs of legs each having integral inclined arms and a single pivot member for said arms, cleats secured at the underside of the top, and a handle for the top.

1,520,270. TYPOGRAPHICAL MACHINE. WILLIAM ACKERMAN, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed May 19, 1924. Serial No. 714,230. 15 Claims. (Cl. 199—40.)



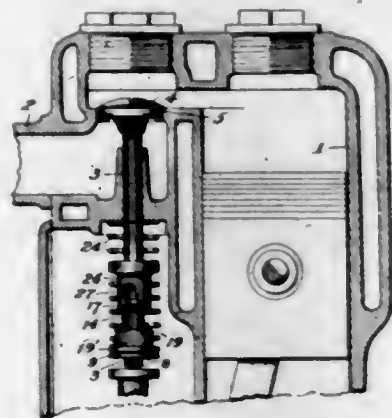
1. Matrix separating mechanism including a plurality of selector bridges arranged along the matrix path and adjustable in a direction parallel with said path to locate one or another in operative position.

1,520,271. TUBE-WELDING MACHINE. JAMES L. ANDERSON, Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 5, 1919. Serial No. 342,769. 15 Claims. (Cl. 78-83.)



1. In a tube-welding machine, the combination of a main frame, welding means thereon, a pair of rolls on vertical axes in said frame for receiving the tube after passing the welding means, a stand longitudinally guided on the frame, means for shifting the stand, a pair of feed rolls on horizontal axes on said stand with a revoluble guide fin in the middle of the upper feed roll, and mechanisms for driving both sets of rolls.

1,520,272. VALVE-ROTATING MECHANISM. MARCUS O. ANTHONY, New York, N. Y., assignor to Continental Engineering Corporation, Omaha, Nebr., a Corporation. Filed June 23, 1920. Serial No. 391,205. 10 Claims. (Cl. 123-90.)

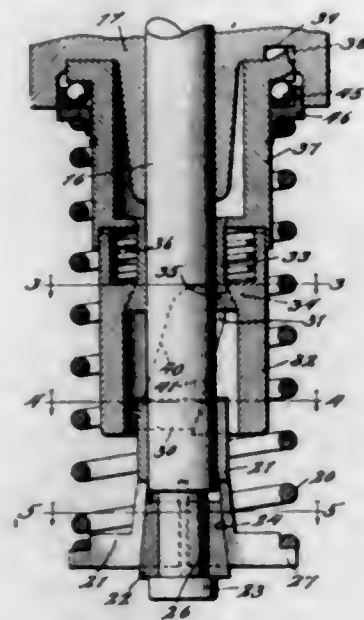


6. The combination with a poppet valve, its seat and spring, a clutch associated with the valve, and an actuator therefor carried by the spring to impart a rotary movement to the valve during its seating stroke.

1,520,273. ROTARY VALVE. MARCUS O. ANTHONY, Cleveland, Ohio, assignor to Continental Engineering Corporation, Omaha, Nebr., a Corporation of Nebraska. Filed Aug. 19, 1922. Serial No. 582,901. 12 Claims. (Cl. 123-90.)

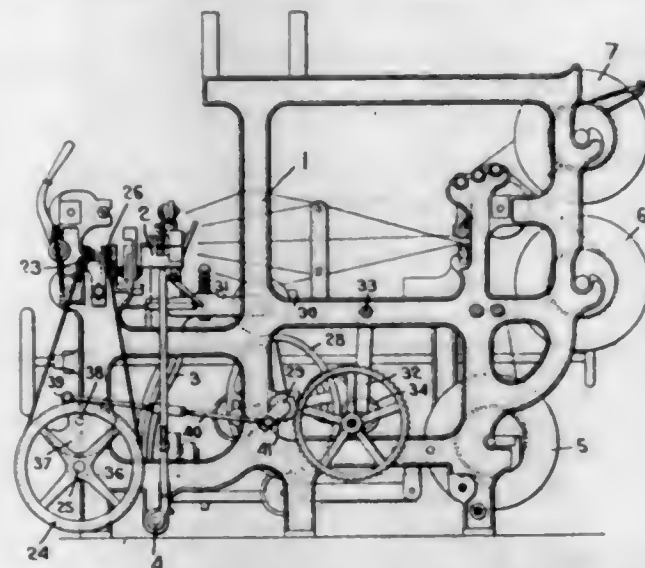
12. A casing of an internal combustion engine, a valve movably mounted in said casing, a stem fixed to said valve, means for longitudinally reciprocating said stem,

and means for rotating said stem, said reciprocating means arranged to move said stem longitudinally in one



direction at a lesser rate than in the other direction, and said rotating means being operative only as the stem is moved at the lesser rate.

1,520,274. DOUBLE-PILE-FABRIC LOOM. JOSEPH F. BENOIT, Sanford, Me., assignor to Sanford Mills, Sanford, Me., a Corporation of Maine. Filed Jan. 25, 1923. Serial No. 614,908. 1 Claim. (Cl. 139-291.)

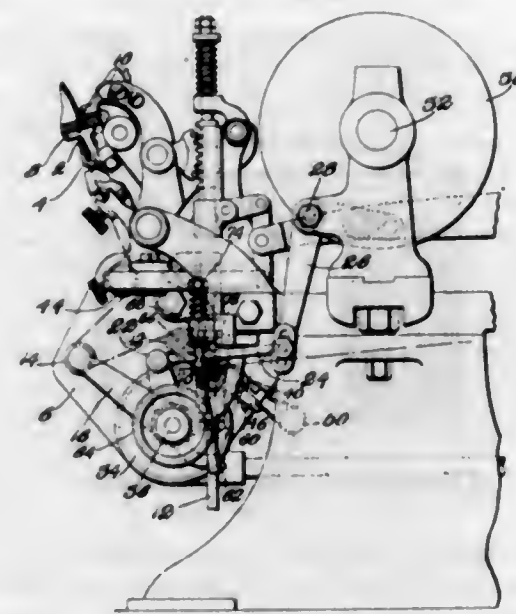


In a double-pile fabric loom, the combination with a lay having a rearwardly-extending arm, of a cam shaft, a cam thereon engaging said arm and operating there-through to move the lay forwardly, a knife-supporting member situated in front of the fell of the cloth being woven, a knife slidably mounted on said supporting member and movable from one side to the other of the loom, a rotatable pulley, a flexible connection passing around the pulley and having its ends connected with the carriage, a gear rigid with the pulley, an oscillating gear pivoted to the loom frame, and a crank on the cam shaft connected to said oscillating gear and acting to oscillate the gear as the cam shaft rotates.

1,520,275. SHOE-SEWING MACHINE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 7, 1916. Serial No. 89,560. Divided and this application filed Nov. 21, 1919. Serial No. 339,649. 6 Claims. (Cl. 112-59.)

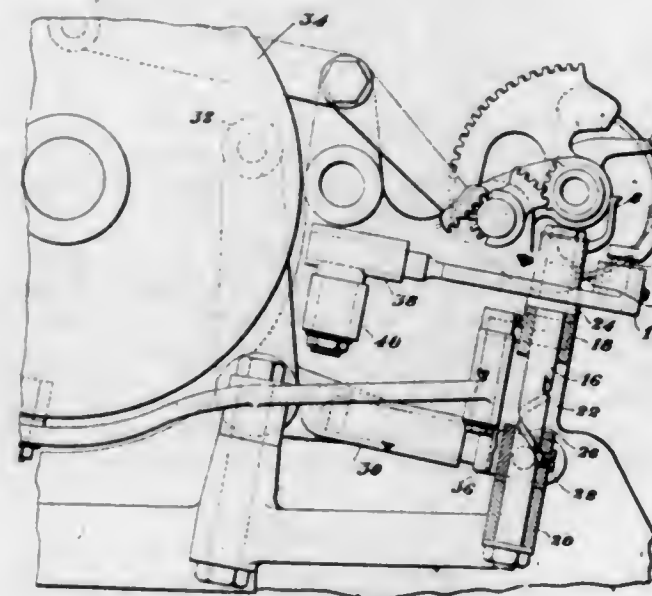
1. A sewing machine having, in combination, stitch forming devices, a tension wheel, a drum connected

therewith, a brake strap embracing the drum connected at one end to a stationary part of the machine, and



yielding means connected with the other end of the strap for exerting a strain upon it, the ends of the strap being disposed in opposite directions.

1,520,276. SHOE-SEWING MACHINE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 7, 1916. Serial No. 89,560. Divided and this application filed Nov. 21, 1919. Serial No. 339,650. 7 Claims. (Cl. 112-35.)

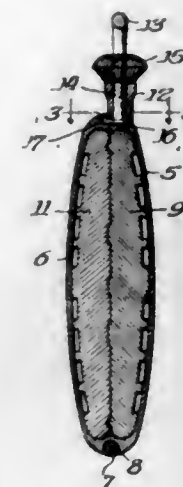


1. A chain stitch shoe sewing machine having, in combination, a curved hook needle, a looper, feeding means, and means for actuating the looper comprising a shaft having a spiral groove, a bellcrank lever, connections between the spiral groove and the bellcrank lever, means for actuating the latter, and a looper lever eccentrically mounted on the shaft for supporting the looper.

1,520,277. NOTARIAL SEAL. FRANCIS J. CALLAHAN, Chicago, Ill. Filed Nov. 19, 1923. Serial No. 675,484. 3 Claims. (Cl. 101-3.)

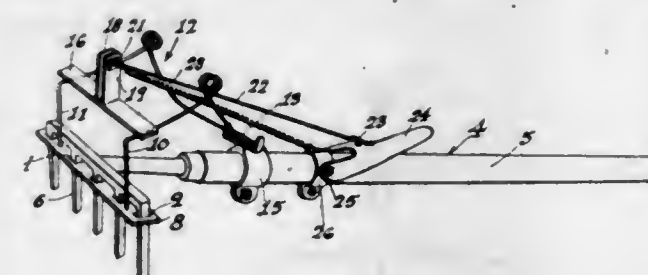
1. A notarial seal, comprising a case simulating in construction and appearance a hunting case watch, impression producing members carried by the back and

cover closure members of said case respectively, and adapted to be entirely inclosed within said case, a stem



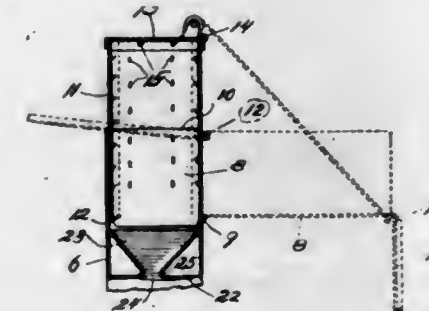
carried by one of said closure members, and means operable by said stem to lock said case in closed position.

1,520,278. RAKE CLEANER. GEORGE W. CRAIG, Los Angeles, Calif. Filed Dec. 27, 1923. Serial No. 682,860. 1 Claim. (Cl. 55-146.)



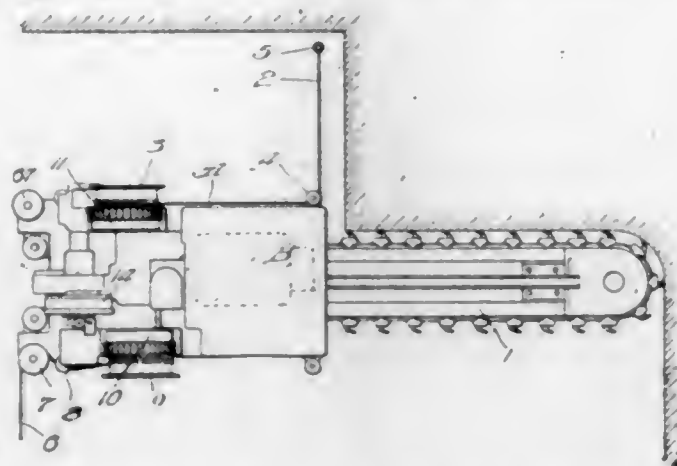
A rake cleaner comprising a cleaning plate having apertures adapted to be passed over the prongs of a rake, a spring secured to said plate and to a rake handle, a bar affixed to said spring, uprights on said bar, a pin through said uprights, a link secured to said pin, a coiled spring attached to said pin and to a rake handle, and a lever attached to a rake handle and to an end of said link.

1,520,279. BAG-HOLDING APPARATUS. JULIUS CYTRON, Tulsa, Okla. Original application filed Dec. 11, 1922. Serial No. 606,176. Divided and this application filed July 30, 1923. Serial No. 654,771. 7 Claims. (Cl. 211-6.)



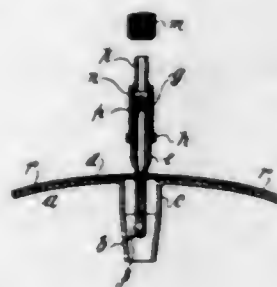
1. A bag-holding apparatus comprising a tilting bin open at its bottom, the sides of said bin being composed of hinged sections adapted to open up to receive a bag as the bin is tilted out of upright position; and inwardly projecting bag-engaging barbs on the interior faces of said bin for retaining engagement with the bag to support the latter in discharging position.

1,520,280. MINING MACHINE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1920. Serial No. 374,746. 29 Claims. (Cl. 262-30.)



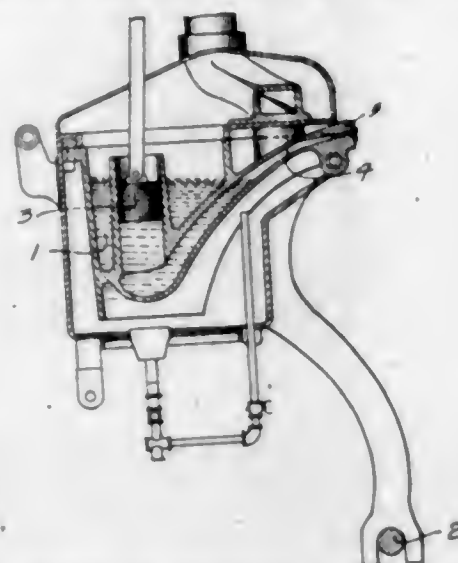
1. In a mining machine of the class described, the combination of a motor, and two flexible draft devices, each adapted to be driven in one direction by said motor and having means independent of said driving means for retarding each of said draft devices when moved in the other direction.

1,520,281. FOOTBALL NET BALL, AND THE LIKE. THOMAS DUDSON, Abertridwr, near Cardiff, Wales. Filed Jan. 24, 1923. Serial No. 614,703. 2 Claims. (Cl. 273-65.)



1. An inflatable game ball, comprising an outer covering member, having an aperture to receive a pump valve and an inner member having an inwardly extending tube, and a plug of elastic material in said tube and having a bore through which the ball may be inflated, said bore being normally closed by the elasticity of the material of the plug.

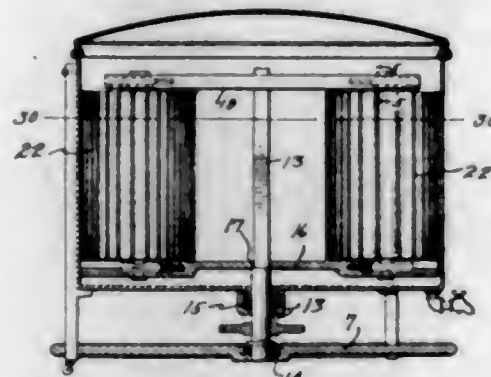
1,520,282. TYPE-CASTING MACHINE. THOMAS F. DUFF, Spokane, Wash. Filed Sept. 18, 1923. Serial No. 663,483. 4 Claims. (Cl. 22-71.)



1. In a machine as described, the combination with a grooved discharge head and a die therein, of a locking

key having frictional contact with said die, and spaced frictional devices on said key for contact with said grooved head.

1,520,283. WASHING MACHINE. ALEXANDER T. EDWARDS, Detroit, Mich. Filed Jan. 28, 1924. Serial No. 689,075. 5 Claims. (Cl. 68-37.)



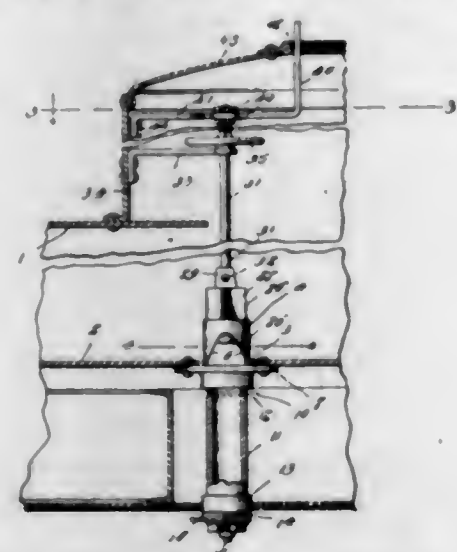
5. In a washing machine, a cylindrical tub, a vertical shaft extending centrally of the tub, a yoke secured to the upper end of the shaft, a circular plate secured to the shaft in the bottom of the tub, a pair of rollers rotatably mounted between the plate and yoke, yielding means forcing the rollers into contact with the cylindrical side of the tub, and means for rotating the shaft.

1,520,284. COMPOSITE INSULATING BOARD. GEORGE H. ELLIS, St. Paul, Minn. Filed Jan. 4, 1924. Serial No. 684,328. 7 Claims. (Cl. 154-55.)



4. A composite board of the class described comprising a pair of spaced multiple ply surface sheets, each consisting of a plurality of layers of absorbent stock, and an intermediate layer containing a predetermined quantity of bituminous material, and a corrugated sheet core secured to the adjacent faces of said surface sheets and forming with said sheets a series of parallel and separate air spaces within the board.

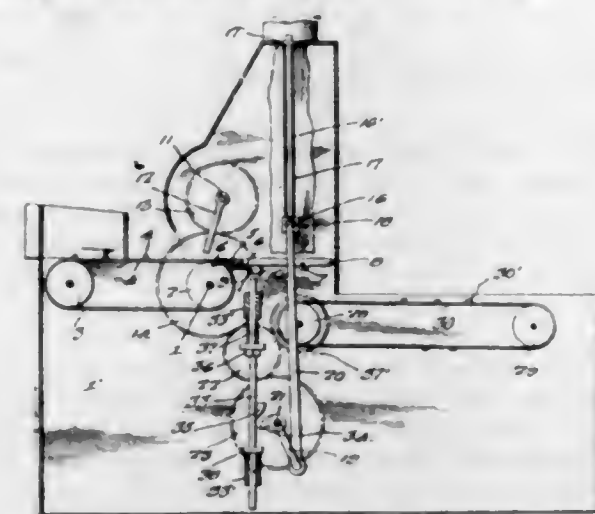
1,520,285. VALVED-OUTLET EQUIPMENT FOR TANK CARS. THOMAS J. ENTWISLE, HENRY P. O'MARA, and JOSEPH W. DONNELLY, New Orleans, La.; said Donnelly and said O'Mara assignors of eleven forty-eighths to said Entwisle and one-sixteenth to Edward L. Martin, New Orleans, La. Filed July 1, 1922. Serial No. 572,272. 4 Claims. (Cl. 137-21.)



4. A device for preventing application of a cover to a tank car wherein the tank car includes a tank body

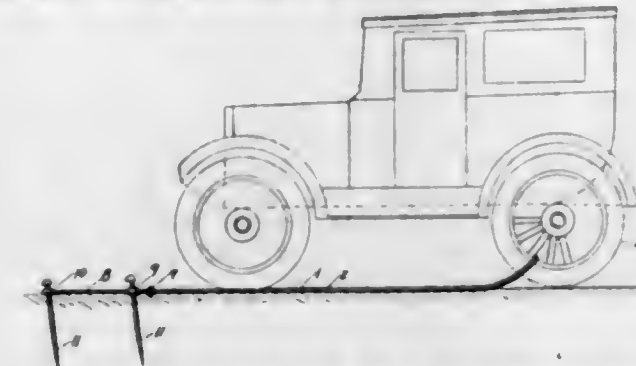
having an opening in the top to receive a cover, an outlet opening in the bottom below the top opening, a valve mounted in the tank body having an axially and substantially movable float controlling the outlet, an operating rod attached to one end of the valve plug and extending upwardly therefrom terminating in proximity to the opening in the top of the tank body, a bracket for receiving the upper end of said rod; comprising a bar member having the central portion mounted on the upper end of the operating rod and provided at one end with an upwardly and substantially right angular extension adapted to project into the opening in the top of the tank body, said extension being parallel with the axis of said operating rod and movable axially with said rod in the opening and closing movement of the valve plug, the opposite end of said rod being provided with a forked extension having laterally extended terminals adapted for cooperation with a portion of the tank body to prevent rotation of the bar member in the rotation of the operating rod.

1,520,286. MACHINE FOR BUTTERING ROLLS. FRANK FARIAN, Allentown, Pa. Filed Feb. 7, 1924. Serial No. 691,278. 6 Claims. (Cl. 91-43.)



1. An apparatus for applying butter to rolls comprising a casing, means for feeding the rolls successively into the casing, a tiltable table located in the casing and adapted to receive the rolls, butter applying means located above the table, and means for simultaneously operating the roll forcing means, the table and the butter applying means.

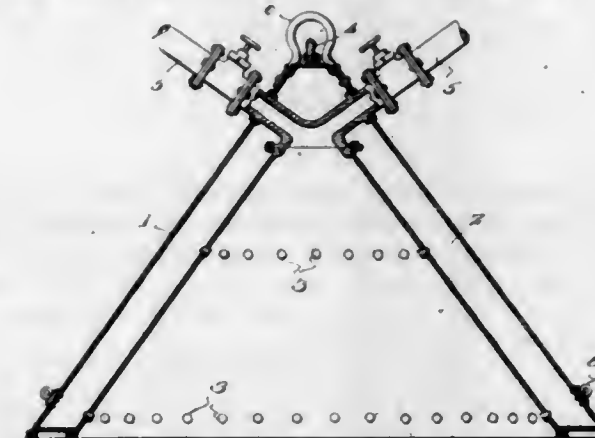
1,520,287. AUTO TRACTION DEVICE. CHRISTIAN FAUTH, Ecorse, Mich. Filed Apr. 11, 1924. Serial No. 705,915. 1 Claim. (Cl. 238-14.)



A traction device adapted for use with the power wheel of an automobile, comprising double parallel side ropes spaced several inches apart, cross ropes spaced uniformly along the entire length of the double parallel side ropes, means for attaching the ends of the cross ropes to both side ropes, means for attaching one end of the traction strip to the rim of the auto wheel so as to position one of the side ropes on either side of the auto wheel, a spacing block at the opposite end of the said traction strip to hold the side ropes in a parallel

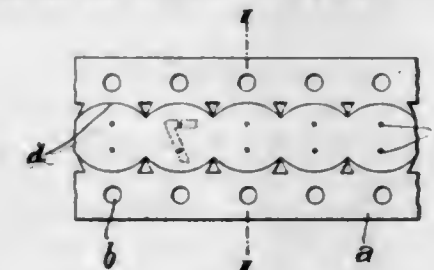
position, a draw rope attached to the side ropes outside the spacing block, stake clips mounted in said draw rope, and stakes for attaching said clips and draw rope to the ground.

1,520,288. FIRE EXTINGUISHER. PAUL PATRICK FEATHERSTONE, Longview, Tex. Filed Nov. 21, 1923. Serial No. 676,127. 2 Claims. (Cl. 169-2.)



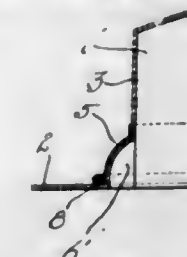
1. A fire extinguisher for gas and oil wells comprising a cone-shaped member formed with inner and outer walls to provide a chamber for receiving chemicals, means for permitting the chemicals to escape into the interior of the member when a fluid under pressure is introduced into the chamber and means permitting fluid to be forced into the chamber.

1,520,289. MANUFACTURING PROCESS OF APPLIQUE PLOTS FOR METAL DIALS, BACKS OR COVERS OF CASES, AND THE LIKE. BERTHA FLUCKIGER, St. Imier, Switzerland. Filed Oct. 28, 1922. Serial No. 597,646. 5 Claims. (Cl. 29-160.6.)



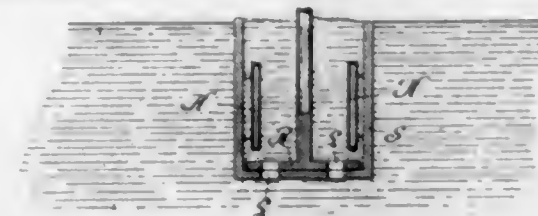
3. A process of manufacturing appliqué plots for metal dials, backs or covers of cases and the like, consisting in subjecting a strip of sheet metal at spaced intervals to pressures to form pairs of upright integral feet on the strip, and subsequently cutting the appliqué plot with the feet from the strip.

1,520,290. VENTILATING DEVICE FOR HATS. JACOB FRANKLIN, Des Moines, Iowa. Filed Sept. 20, 1922. Serial No. 589,425. 1 Claim. (Cl. 2-176.)



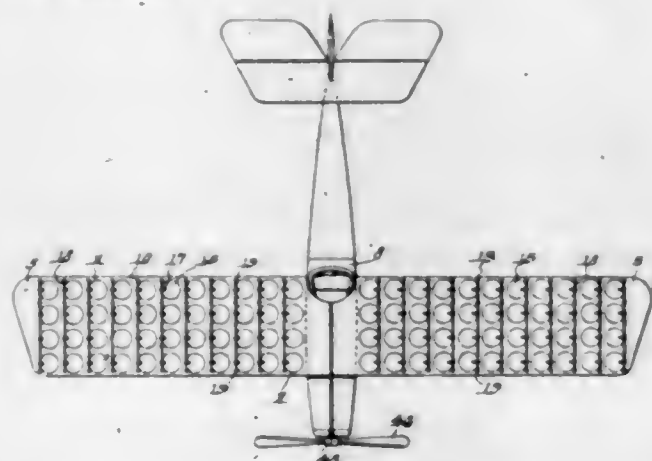
The combination with a hat having crown and brim portions, said crown having two openings disposed diametrically from each other and said brim portions having openings communicating with the openings in the crown, of semi-cup-shaped members adapted to enclose the communicating openings in said brim and crown, whereby air passageways are provided into the interior of the hat, and a stiffening wire disposed on the exterior of the brim at the base of the crown, said wire having curved portions arranged to encircle the edges of the semi-cup-shaped portions.

1,520,291. TRANSMITTING AND RECEIVING DEVICE FOR SUBMARINE SOUND WAVES. WALTER HAHNE-MANN, Kitzberg, near Kiel, Prussia, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Mar. 24, 1921. Serial No. 455,320. 3 Claims. (Cl. 116-27.)



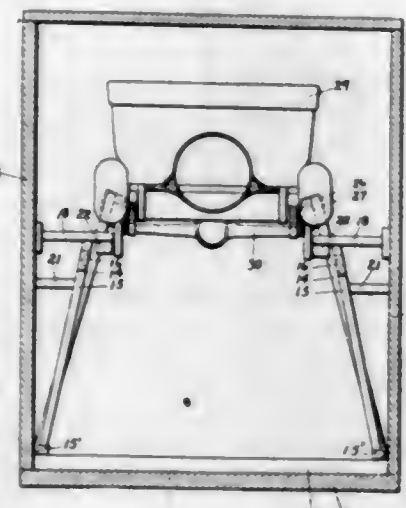
3. A submarine sound communication plant, comprising in combination, sound communication apparatus, and a liquid pressure cushioning element arranged in the sound propagating liquid at a point from said apparatus not greater than one-half the wave length of the sound waves produced.

1,520,292. AEROPLANE. ELMER P. KRAY, Chicago, Ill. Filed July 9, 1923. Serial No. 650,491. 6 Claims. (Cl. 244-15.)



1. An aeroplane comprising, a fuselage, a chassis supporting the fuselage, a sustaining plane carried by the fuselage and provided with a plurality of openings extending therethrough, said openings tapering downwardly, horizontally rotating propellers arranged beneath the plane and its tapering openings, a vertically rotating propeller mounted upon the fuselage, a motor mounted upon the fuselage for driving said propellers and means to cover and uncover said openings.

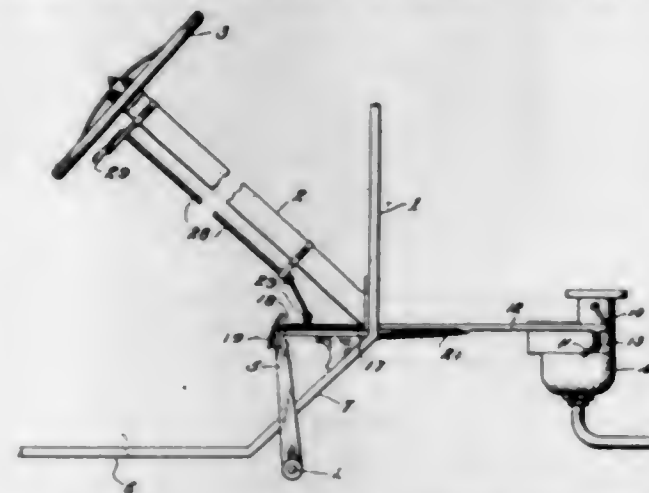
1,520,293. DECKING SYSTEM. ARTHUR D. LIGHTNER and EDWARD HOLMES, Toledo, Ohio, assignors to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 6, 1919. Serial No. 269,918. 9 Claims. (Cl. 105-368.)



1. In combination, a structure for loading vehicles in freight cars including a support extending upwardly and

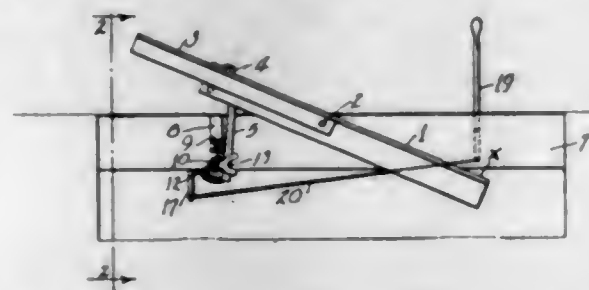
inwardly from the side of the car, a member disposed below the top of said support on the inner face thereof and adapted to receive one end of the axle of the vehicle, means connected with the top of said support and extending downwardly therefrom beneath the axle to support the same, and means for bracing said support.

1,520,294. AUTOMATIC ELECTRIC SAFETY SWITCH AND CARBURETOR CONTROL FOR AUTOMOBILES. JOSEPH McCASKEY, Wilkeson, Wash. Filed July 3, 1923. Serial No. 649,325. 9 Claims. (Cl. 192-1.)



1. The combination with a normally provided pedal in a motor vehicle and the ignition system therefor, means responsive to movements of the pedal for breaking the ignition, and means connected to said means for preventing the breaking of the ignition when the pedal is moved.

1,520,295. WAGON AND TRUCK DUMP. ELI D. McCULLOUGH and ARCHIE WILLIAM BUTCHER, Solomon, Kans., assignors, by direct and mesne assignments, to The Gravity Dump Manufacturing Company, a Corporation of Kansas. Filed Mar. 27, 1922. Serial No. 547,190. 1 Claim. (Cl. 214-49.)

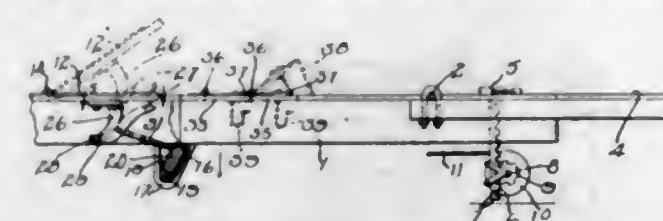


A gravity actuated wagon dump comprising a frame, a dump carried by said frame, a rack pivotally carried by said dump, a pinion, a support for said pinion carried by said frame, a shaft rigidly secured to said pinion, a brake mounted on said shaft, a bracket mounted on said shaft, two rollers carried by said shaft and being spaced from each other and from the shaft, said rollers adapted to hold said rack in mesh with said pinion and to prevent said bracket from moving with respect to said rack, whereby a binding action between the bracket and rack is obliterated.

1,520,296. WAGON AND TRUCK DUMP. ELI D. McCULLOUGH and ARCHIE W. BUTCHER, Solomon, Kans., assignors, by direct and mesne assignments, to The Gravity Dump Manufacturing Company, a Corporation of Kansas. Filed June 9, 1922. Serial No. 567,158. 6 Claims. (Cl. 214-49.)

1. In a device of the type described, a frame, a dump, a door carried by said frame and disposed adjacent to one end of said dump, a transversely extending bar adapted to be swung beneath said dump or said door, a stationary cam member carried by said door, a pivoted

cam operatively connected to said transverse bar and being adapted to engage with said stationary cam, and



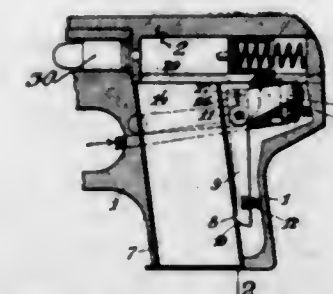
manually controlled means for rocking said bar, said means preventing the rocking of said bar when said door is closed.

1,520,297. FLASH LIGHT. HORATIO McKENNA, Edmonds, Wash. Filed Feb. 14, 1924. Serial No. 692,860. 14 Claims. (Cl. 240-85.)



1. In a flashlight including, a lamp, a battery in circuit with the lamp and a reflector, the combination of a switch for closing the circuit to the lamp and means adapted to be actuated by the switch for changing the relative positions between the lamp and reflector for focusing the rays from the lamp.

1,520,298. AUTOMATIC PISTOL. WILLY MANN, Neundorf, near Suhl, Germany. Filed Dec. 20, 1922. Serial No. 608,048. 9 Claims. (Cl. 42-3.)



1. In an automatic fire-arm, the combination of a butt provided with a magazine chamber; a breech-block slidable on the butt; a lock for the magazine; and a safety device under the control of the breech-block normally preventing release of the lock, but operable to effect such release when said block has been retracted.

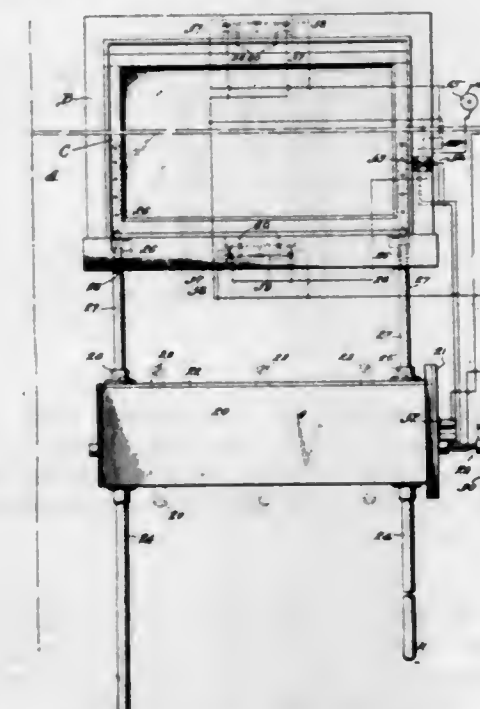
1,520,299. JOY ROAD. LUTHER A. MARSHALL, Floydada, Tex. Filed June 5, 1924. Serial No. 718,097. 3 Claims. (Cl. 238-5.)



1. A road filled by altering the natural surface of the earth, and so constructed that it may be traversed by

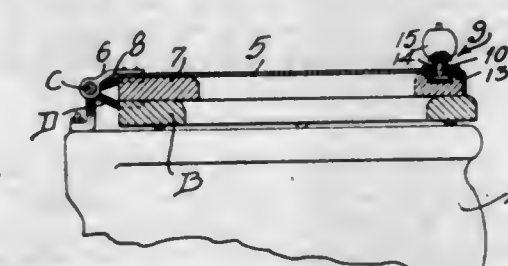
automobiles, the road comprising a plurality of undulations disposed transversely of the line of automobile travel, the depth of the undulations and the distance between the crowns of adjoining undulations being such, compared with the length of an automobile, as to give a wavelike motion to the automobile.

1,520,300. WINDOW-OPERATING DEVICE. HAROLD W. MEADE, Yeddo, Ind. Filed July 24, 1922. Serial No. 577,168. 4 Claims. (Cl. 268-4.)



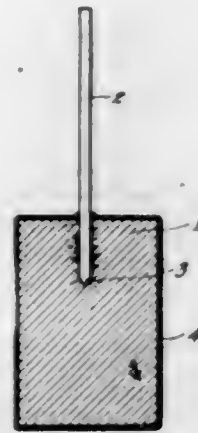
1. Means for operating a slidably mounted window comprising a casing, threaded rods secured to the window and slidable transversely of the casing, a drive shaft journaled longitudinally of the casing, an electric motor for rotating said shaft, and normally inactive, nut members within the casing threaded on the said rods and carrying beveled gears, a counter shaft carrying beveled gears meshing with said first named gears, a pair of drive connections between the drive shaft and the counter shaft and selectively operable to rotate said counter shaft in either direction, clutch means for throwing either drive connection into operation, a longitudinally movable rod forming part of said clutch means, electromagnetic means for moving said last named rod lengthwise in either direction, and a pair of control switches connected in circuit with a source of current, said motor and said electromagnetic means, and a pair of automatic circuit breakers included in the circuit and located in the path of movement of the window for breaking the circuit when the window reaches either limit of its movement.

1,520,301. COMBINATION COMMODE SEAT. CHRISTOPHER B. MICHEL, Oakland, Calif. Filed Apr. 16, 1923. Serial No. 632,433. 2 Claims. (Cl. 4-235.)



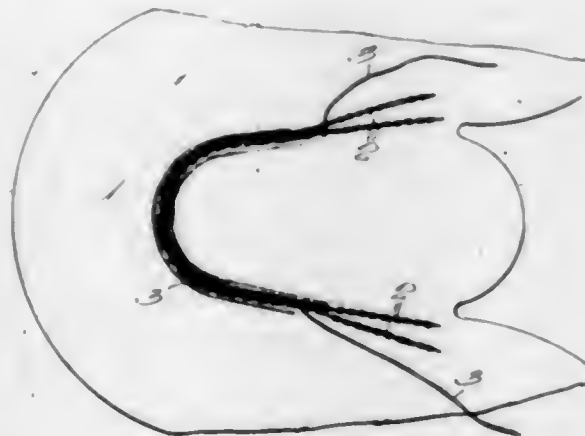
1. In a commode, a pair of superimposed seats having openings of different dimensions, and a cover therefor, each of said seats and the cover having a separate pivotal mounting on a common pintle secured to the commode, and means accessible on top of the cover for detachably connecting the cover to its adjacent seat.

1,520,302. FROZEN CONFECTION. WILLIAM C. MORGAN, Everett, Wash., assignor to Zero Ice Cream Dipping Machine Company, Inc., Everett, Wash. Filed Feb. 20, 1922. Serial No. 537,922. 2 Claims. (Cl. 99-16.)



1. The method of applying a wooden stem to an ice cream bar of a character described, which consists of moistening the stem in warm water, inserting the same within the bar while the latter is at a temperature of about zero degree.

1,520,303. RIBBED ARTICLE AND PROCESS OF FORMING SAME. SAMUEL D. NICHOLS, Fond du Lac, Wis. Filed Feb. 16, 1923. Serial No. 619,535. 2 Claims. (Cl. 112-262.)

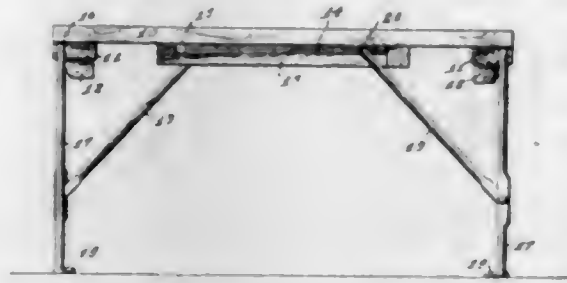


1. The process of forming a rib on sheet material, consisting in forming two spaced parallel disconnected rows of stitching through uniform thicknesses of the same sheet of material, and by an entirely separate operation passing a lace through adjacent stitches of said rows and by said lace drawing said rows into contact with each other at one side of the sheet to bulge the material at the other side of said sheet and form the rib.

1,520,304. TOILET SEAT FOR INFANTS. ROY L. NRE, Des Moines, Iowa. Filed Nov. 4, 1922. Serial No. 509,018. 2 Claims. (Cl. 4-239.)

2. In a device of the class described, the combination of a seat portion, legs pivoted to the seat portion and capable of folding up against the under surface of the seat portion, and a latching device for securing the legs either in their extended or folded position, said latching device comprising latch members pivoted to the legs and having their free ends extended inwardly toward the longitudinal center of the seat portion, and latch strips

secured to the under surface of the seat portion and formed with an outwardly extended longitudinal groove

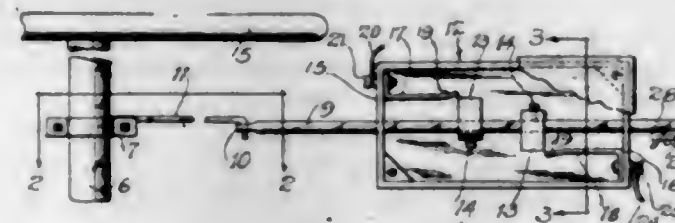


and with openings at its end portions to receive the inwardly extended ends of the latch members when in their extended and also in their folded positions.

1,520,305. METHOD OF PREPARING ADSORBENT AND CATALYTIC OXIDES. WALTER A. PATRICK, Baltimore, Md., assignor to The Silica Gel Corporation, Baltimore, Md., a Corporation of Maryland. Filed July 1, 1921. Serial No. 481,990. 10 Claims. (Cl. 23-28.)

1. Method of preparing a highly adsorbent and catalytic oxide of a metal whose hydroxide is substantially insoluble in water, consisting in mixing with thorough stirring a concentrated solution of a soluble salt of said metal and a solution of a soluble alkali of such concentration and amount that the resulting mixture is faintly alkaline, said mixture being maintained at a temperature not exceeding about 10° C., and washing and thereafter drying the gelatinous precipitate obtained.

1,520,306. AUTOMOBILE SIGNAL. EARL W. PELL, Cleveland, Ohio. Filed May 20, 1921. Serial No. 471,212. 1 Claim. (Cl. 200-59.)

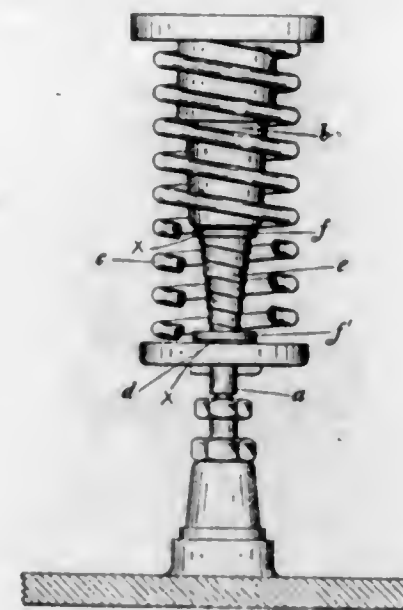


A circuit closer of the class described, in combination, an insulating housing having spring-like stationary contact members therein, fastened diagonally opposite each other, said stationary contact members having their free ends bent outwardly and the opposite ends being bent at an angle for the reception of a binding post, a reciprocating rod running thru said insulating housing, an eye formed on one end of the said rod, and a binding post on the opposite end, a link having the ends bent at right angles, a clamp formed in halves and fastened by bolts to the steering post of the vehicle and having an eye, one end of the said link fitting into the eye of the said rod, the other end fitting into the eye of said clamp, adjustable contacts carried by said reciprocating rod in reverse position, adapted to frictionally engage said contact members and set screws to keep said adjustable contacts in the desired position.

1,520,307. MEANS FOR MAKING FLUID-TIGHT SLIDING JOINTS IN INTERNAL-COMBUSTION ENGINES. CLIFFORD PRESSLAND, Hampton-on-Thames, England. Filed Oct. 9, 1920. Serial No. 415,939. 8 Claims. (Cl. 286-30.)

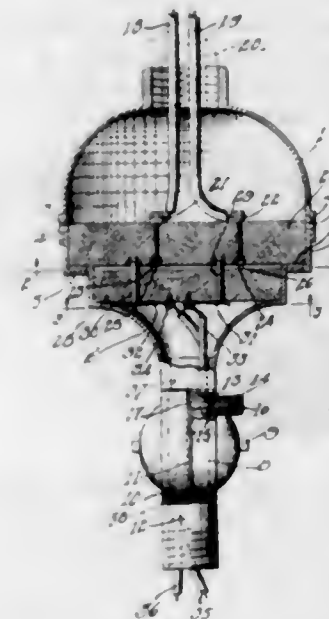
1. In an internal combustion engine, a fluid-tight joint comprising a valve stem, a valve stem guide, a

fluid-tight volute spring surrounding said valve stem, a fluid-tight joint between said valve stem and said volute



spring and a fluid-tight joint between said valve stem guide and said volute spring.

1,520,308. ELECTRIC SWIVEL CONNECTION. BRUNO E. QUADRI, Chicago, Ill. Filed July 31, 1922. Serial No. 578,754. 3 Claims. (Cl. 173-324.)

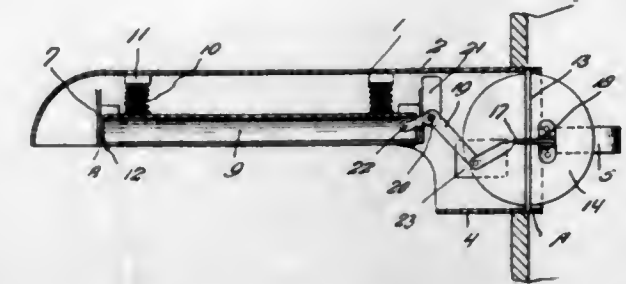


3. An electric swivel connection comprising a body portion adapted to be secured to a fixed support, two rings carried by said body and being insulated from each other and from the body, said rings being in electrical connection with wires, a casing having a flange, a second flange carried by said body and enclosing said first named flange, whereby said casing is adapted to be rotated with respect to said body, spring pressed terminals carried by said casing and being insulated therefrom, said terminals contacting with said rings, a pipe pivotally secured to said casing, and spring pressed pins for yieldingly holding said pipe in adjusted position.

1,520,309. VENTILATOR. JOSEPH H. RATTI, Honolulu, Territory of Hawaii. Filed Apr. 21, 1924. Serial No. 707,929. 5 Claims. (Cl. 114-211.)

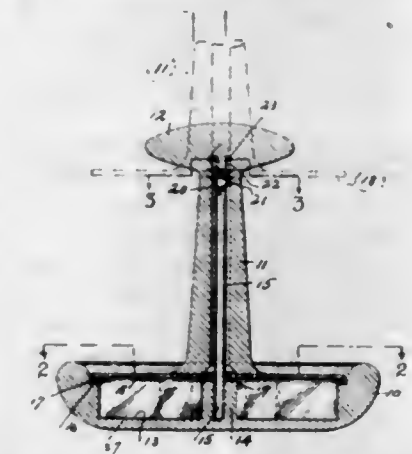
1. A ventilator comprising an elongated casing having its forward portion cut away for its greater length, the inner end of said casing being adapted to be supported in the port hole of a ship, a plate supported in said casing and adapted for lateral movement therein, a closure

for the inner end of said casing, connecting means between said plate and said closure, said closure being nor-



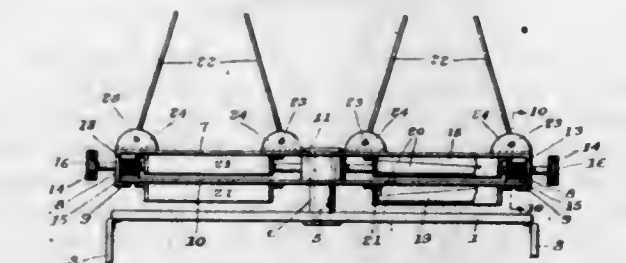
mally in an open position when said plate is in the forward part of said casing, and in a closed position when said plate is moved rearwardly in the casing.

1,520,310. JEWELRY-DISPLAY CONTAINER. E. IRVING ROGERS, JR., Providence, R. I. Filed Dec. 5, 1922. Serial No. 605,066. 1 Claim. (Cl. 211-24.)



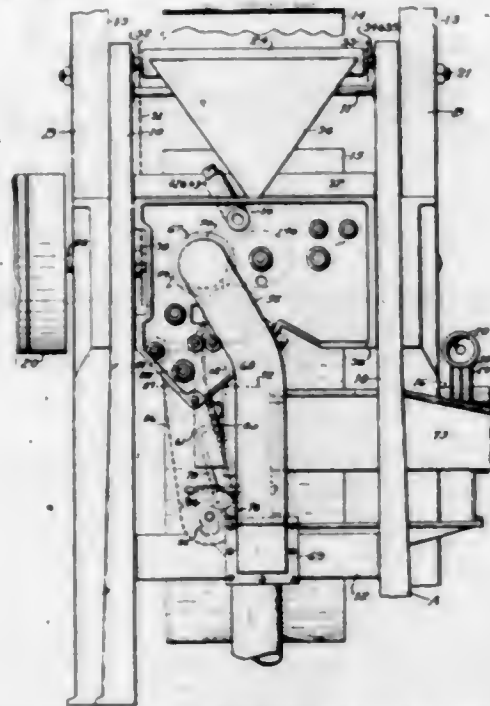
A display container comprising a deeply recessed base, a hollow stem rising therefrom, the upper end of said stem being slotted, a spring tongue in the stem and projecting through the slot therein, a cover for said recessed base, a tubular handle for said cover slidably and rotatably disposed over said stem, said spring tongue being adapted to engage under and support said handle and cover in raised position when passed thereabove, a split ring seated in said handle, an extension on said tongue engageable over said ring to lock said cover and handle in lowered position, said ring being releasable from said extension on rotation of said handle for registry of said extension and the split of said ring.

1,520,311. STEREOSCOPE. EARL A. RUTH, Washington, D. C. Filed Nov. 7, 1923. Serial No. 673,322. 21 Claims. (Cl. 88-29.)



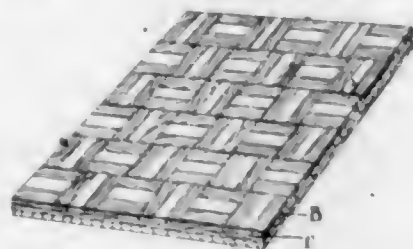
1. A focusing stereoscope for viewing two distant stereoscopic pictures, comprising a device adapted to be held immediately in front of the eyes, said device having two sight openings, one for each eye, at least one of said sight openings being provided with a combination of prisms which are relatively adjustable to horizontally vary the angle of refraction resulting from the combination, and means to adjust said prisms to focus the images of the stereoscopic pictures into coincidence while the device is held at any distance from the pictures.

1,520,312. PAPER-FOLDING MACHINE. GLENN A. SHAFFER and FRANKLIN H. WIRTZ, Green Bay, Wis. Filed June 19, 1922. Serial No. 569,489. 7 Claims. (Cl. 270-66.)



1. A machine of the character described, comprising a main frame having a vacuum box in its lower portion, means for supporting and guiding paper to the frame, a forwardly inclined folder in the frame for the primary folding of the paper, coating presser and feed rolls below the folder, the feed roll being formed with a longitudinal groove, an angle knife in said groove a vacuum roll adjacent to the feed roll in communication with the vacuum box and having perforations in a portion thereof, a saw blade knife next to the perforations in the vacuum roll, coating take-off and folding rolls below the vacuum roll, a wiper member carried by the take-off roll, strippers beneath the last named rolls, and mechanism for transferring the folded sheets from the strippers to a receiver.

1,520,313. MANUFACTURE OF PARQUETRY AND WOOD MOSAIC. JOHN HENRY SKINNER and FREDERICK CHARLES ROSS, Durban, Natal, South Africa. Filed Sept. 20, 1923. Serial No. 663,853. 2 Claims. (Cl. 20-75.)

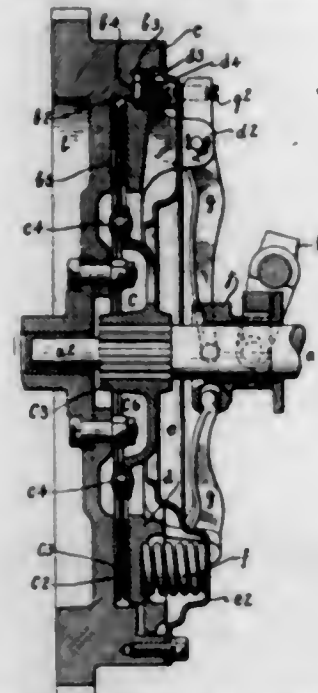


1. An improved method of forming parquetry and mosaic sheets consisting in placing a plurality of blocks to form the sheet face downwards into a tray of which the inside dimensions correspond with the outside dimensions of the finished sheet to be obtained, then applying a thin sheet of wood of the size of the finished sheet and coated on both sides with an adhesive to the rear face of the assembled blocks, then placing a second sheet of thin wood on the first sheet of wood, the grain in one sheet of wood running at right angles to the grain in the other sheet of wood, and then subjecting the whole to pressure.

1,520,314. CLUTCH. RODOLPHE STAHL, Detroit, Mich. Filed Aug. 14, 1922. Serial No. 581,626. 4 Claims. (Cl. 192-68.)

1. The combination of a fly wheel, a ring c, a pressure ring adapted to clamp the ring c against said fly wheel,

said pressure ring having apertures through its periphery, pins fixed to said fly wheel and extending through said apertures, a plate e fixed to said fly wheel and extending over said pressure ring provided with apertures,



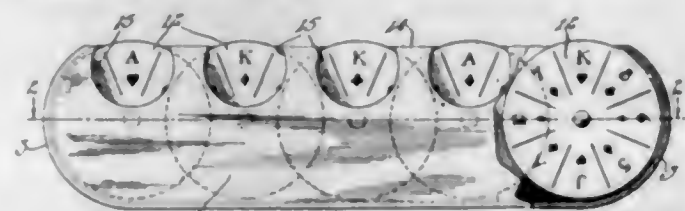
said pins extending through said apertures, lugs extending from the said pressure ring through apertures in the plate e, levers pivoted to the outer ends of said lugs and bearing against said pins.

1,520,315. STREET SWEEPER. JOHN H. STEWART, Nashville, Tenn., assignor of one-half to William P. Butler, Nashville, Tenn. Filed July 24, 1922. Serial No. 577,160. 7 Claims. (Cl. 94-44.)



7. In a street cleaning and treating apparatus, a combined cleaning and liquid spreading element including bristles and a plurality of reed-like liquid discharge tubes extending through the bristles to the periphery, thereof, said discharge tubes having openings of very small cross section whereby the liquid discharged from the tubes oozes from the outer ends of the tube in a small quantity to be applied by the bristles of the cleaning element in the form of a thin film, and means for supplying liquid to the tubes.

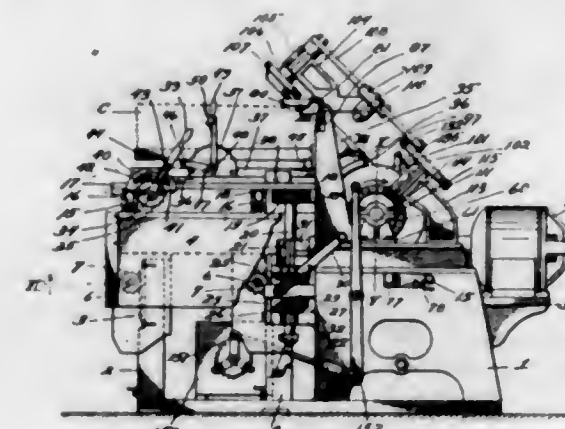
1,520,316. GAME. JOSEPH VICTOR STOLPER, Chicago, Ill. Filed Oct. 14, 1922. Serial No. 594,595. 1 Claim. (Cl. 273-174.)



A game of the character described comprising a casing open at the top, five discs rotatably mounted in said casing and arranged so that a portion of each disc projects through the opening at the top of said casing, each of said discs being marked off into equal sectors and

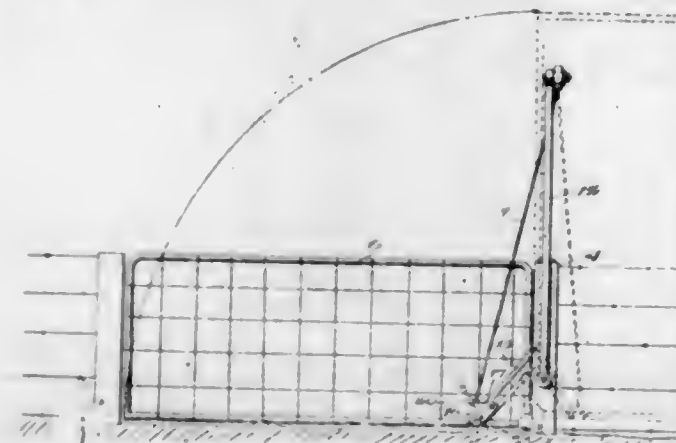
each sector of said discs having a legend imprinted thereon, the legends consisting of sets of four of like character, there being no two of the same character on any one disc, said casing having portions of its outer wall cut away, whereby one legend on each of said discs may be visible at a time.

1,520,317. UPHOLSTERY-EDGE-STITCHING MACHINE. JOHN G. STONEBACK and WILLARD A. KELSEY, Topeka, Kans.; said Kelsey assignor of his right to said Stoneback. Filed Feb. 14, 1921. Serial No. 444,940. 17 Claims. (Cl. 112-3.)



1. In an upholstery sewing machine, a framework having an overhang portion, an intermittently movable table below the overhang portion, laterally tiltable means movable with the table for holding a cushion against the underside of the overhang portion, sewing mechanism for producing a longitudinal line of diagonal stitches through the corner of the cushion in contact with the said overhang portion, and means to clamp the cushion against said overhang portion timed to cooperate with said sewing mechanism.

1,520,318. GATE. JOHN B. ADAMS, Loxley, Ala. Filed Sept. 27, 1922. Serial No. 596,910. 3 Claims. (Cl. 39-60.)

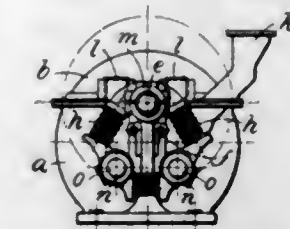


1. A vertically swinging gate, a pair of vertically spaced bars rigidly attached to and extending diagonally across the lower corner of the gate to provide a track, a carriage including a roller mounted between said bars, and a cable connected to said carriage for opening or closing the gate.

1,520,319. CRUSHING MILL. EMIL BARTHELMSS, Dusseldorf-Oberkassel, Germany. Filed June 9, 1924. Serial No. 718,994. 2 Claims. (Cl. 83-9.)

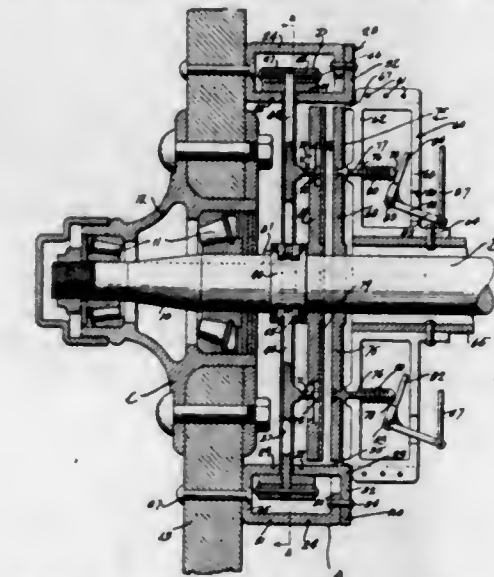
1. In a crushing mill, the combination with a crushing-mechanism comprising a crushing-ring, crushing-rollers fitted on shafts and arranged inside said ring, bearings mounted on the roller shafts, and buffer springs

abutting against adjacent bearings so as to force the rollers against the rings, of a casing which is slotted



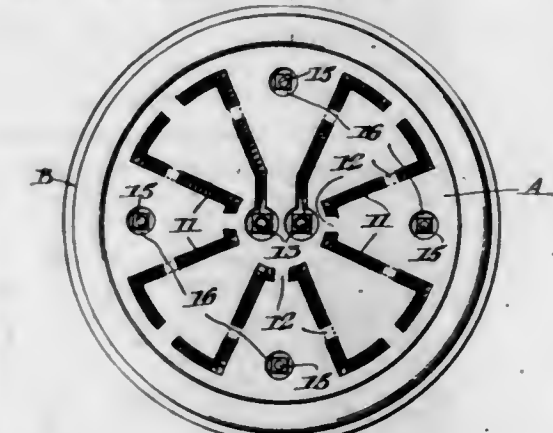
so as to admit said crushing-mechanism transversely of the roller shafts as a complete, assembled structure.

1,520,320. DIFFERENTIAL MECHANISM. EDWARD M. BELL, Mill Spring, N. C. Filed May 24, 1923. Serial No. 641,217. 6 Claims. (Cl. 192-50.)



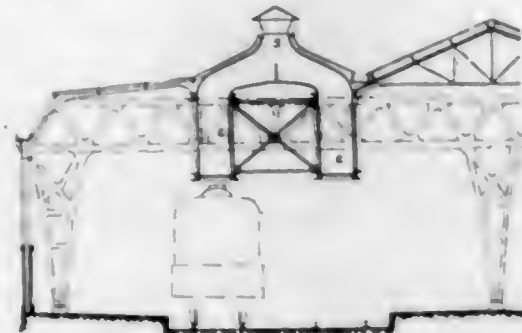
1. A device of the class described comprising a drive member, a driven member, a drum attached to the driven member including an annular flange having a slot circumferentially thereabout, clutch shoes of segmental formation disposed upon the outer surface of said annular flange of the drum, and arms pivotally connected to said shoes extending through the slot of said flange for pivotal connection to said drive member whereby upon operation of said drive member said arms will exert a pulling action upon said shoes so that the same will be forced into engagement with said drum for drive of said driven member.

1,520,321. ELECTRIC COOKER OR HEATING UNIT. GEORGE HEDLEY BINDON, Ottawa, Ontario, Canada. Filed Feb. 16, 1923, Serial No. 619,430. Renewed Nov. 17, 1924. 6 Claims. (Cl. 219-37.)



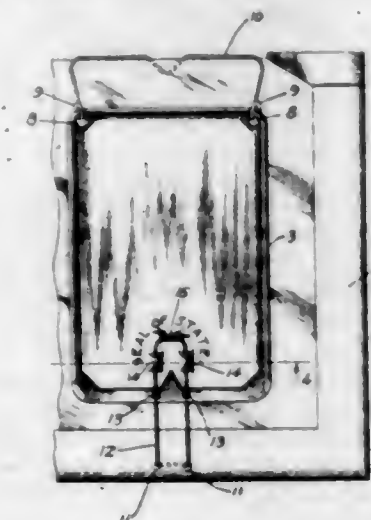
1. An electric heater comprising a heating unit, a receiving member adapted to house and support the heating unit, casing supporting means on the receiving member, and collapsible supporting means for the receiving member, and a second receiving member adapted to form a lid and designed to house the heating unit in an inverted position therein.

1,520,322. ROOF FOR SHEDS, RAILWAY STATIONS, TERMINALS, AND THE LIKE. OCTAVE BORGUET and MAURICE BORGUET, Bralm-le-Comte, Belgium. Filed Dec. 5, 1923. Serial No. 678,642. 6 Claims. (Cl. 104-52.)



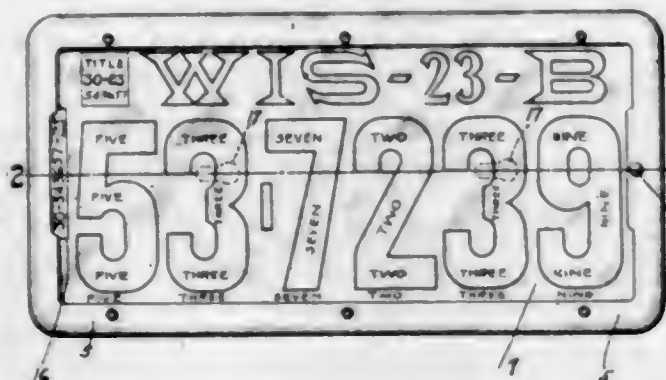
1. A train shed or the like, having a roof which is provided with a pair of longitudinal ducts for evacuating gases, vapors and smoke, said ducts being arranged in spaced relation to each other and each paralleling and directly overlying a train track; a collector disposed between said ducts and in regulatable communication with the upper parts thereof at points along its length; and means for creating a predetermined rarefaction in said collector.

1,520,323. CERTIFICATE OR TAG HOLDER. BORRE H. HORRESON, St. Paul, Minn. Filed June 24, 1922. Serial No. 570,690. 9 Claims. (Cl. 40-10.)



7. The combination with a vehicle, of a card or certificate holder, means connecting one end of said holder with its support on said vehicle, flexible means connecting the other end of said holder with its support, and a sealing device for said flexible means.

1,520,324. VEHICLE LICENSE OR CARD HOLDER. BORRE H. HORRESON, St. Paul, Minn. Filed June 4, 1923. Serial No. 643,259. 6 Claims. (Cl. 40-16.)



1. A card or tag holder comprising a plate having a seat for a card or tag and an opening for insertion of the card, and a flexible resilient material secured in said opening to afford a dust and moist-proof closure for the opening.

1,520,325. FLOOR CONSTRUCTION. OLIVER S. BOWMAN, Colorado Springs, Colo. Filed Jan. 15, 1924. Serial No. 686,443. 2 Claims. (Cl. 94-6.)



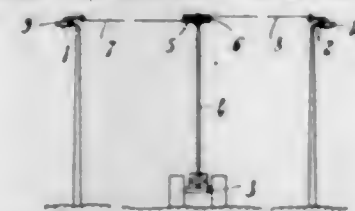
1. In a floor of the class described, a sheet metal angle having notches in its horizontal leg and a longitudinal corrugation, with holes therein, in its vertical leg; for the purposes set forth.

1,520,326. FENCEPOST. JOHN H. CANNON, Shreveport, La. Filed Sept. 14, 1922. Serial No. 588,223. 1 Claim. (Cl. 256-50.)



A fence post triangular in cross section and having a longitudinal series of elongated recesses in one longitudinal edge, the walls of the recesses merging to form points between the recesses, there being transverse openings in the post adjacent the recessed edge, and separate tie wires extending through the transverse openings for gripping fence wires and holding them in certain of the recesses.

1,520,327. ELECTRICAL AGRICULTURAL SYSTEM. GUNNAR ELIAS CASSEL, Stockholm, Sweden, assignor to Artur Lefter, Djursholm, Sweden. Filed Mar. 2, 1923. Serial No. 622,420. 1 Claim. (Cl. 191-12.)



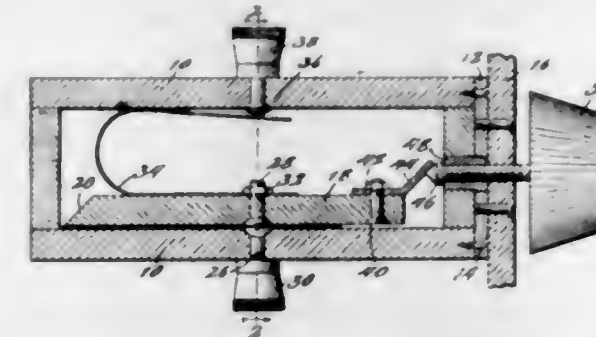
A wire system for supplying current to electrically driven self-propelling vehicles for agricultural purposes, comprising in combination a plurality of stationary bare wire over head lines extending parallel to each other on the field to be cultivated, a current collector bridge movable along two such lines in contact therewith, said bridge including a sliding contact on each of said lines, two wire pulleys on the vehicle, and two separate wires, each extending between one of said sliding contacts and one of said pulleys, said pulleys being mounted so as to be capable of rotation relatively to each other, and connected together by a spring tending to rotate the pulleys relatively to each other in a direction to hold their respective wires under tension.

1,520,328. PROCESS FOR QUICK DRYING OF CLAY ARTICLES. ROBERT N. CHAPMAN, Dublin, Ga. Filed May 21, 1923. Serial No. 640,609. 9 Claims. (Cl. 25-156.)

1. The process of forming dried clay articles, consisting in mixing a hot filling with a mixture of clay and

water to heat and temper the mixture, forming the mixture while heated into articles of desired form, and placing such articles while heated in a heated drying chamber.

1,520,329. VARIABLE CONDENSER. CASIMIR S. CHERPECK, Chicago, Ill. Filed Aug. 26, 1922. Serial No. 584,590. 8 Claims. (Cl. 250-41.)



1. A variable condenser including a plurality of plates, a dielectric separating said plates, and means for angularly varying the distance between the plates, said means including an angularly extending portion on one plate and an adjusting pressure-exerting means engaging said portion to move the plate to which it is attached.

1,520,330. SAW. HOWARD T. CHINN, Florin, Calif. Filed July 21, 1922. Serial No. 576,590. 3 Claims. (Cl. 30-11.)

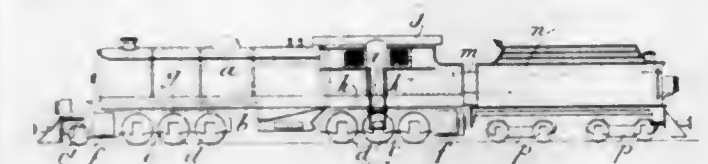


1. In a device of the class described, a handle; a driven shaft carried by the handle; a fixed shaft carried by the handle and disposed at right angles to the driven shaft; intermeshing beveled pinions, one of which is journaled on the fixed shaft, the other of which is assembled with the driven shaft; a saw mounted on the first specified pinion; a guard mounted to swing on the handle in a direction parallel to the saw and provided with a projecting rest; and means for holding the guard in adjusted positions.

1,520,331. ARTICULATED LOCOMOTIVE. EDWIN KITSON CLARK, Leeds, England. Filed Nov. 16, 1922. Serial No. 601,413. 5 Claims. (Cl. 105-232.)

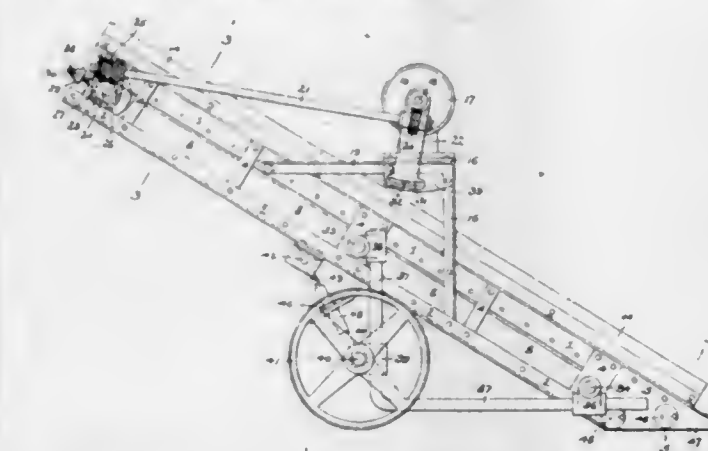
2. A constant adhesion articulated locomotive comprising a boiler and a cab, a framing whereon the boiler and cab are mounted, two engine driven bogies pivoted to the forward and rearward portions of the framing, a fuel receiver on the foot plate of the cab, a tender coupled to

said framing and means carried by said tender and extending over but independent of said fuel receiver and



whereby fuel can be transferred from said tender and delivered into said fuel receiver, substantially as described for the purpose set forth.

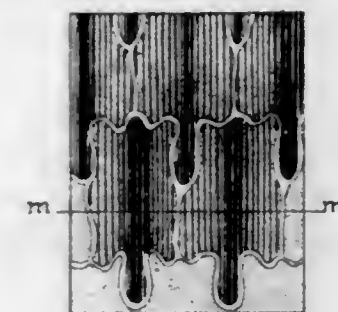
1,520,332. ELEVATING CONVEYER. JOSEPH F. CONNOLLY, East Providence, R. I., assignor to Climax Conveyor Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed June 18, 1921. Serial No. 478,549. 5 Claims. (Cl. 198-11.)



1. The combination, in an elevating apparatus, of an endless conveyor and rollers over which the same runs, one of which is a driving-roller, means for adjusting the driving-roller bodily for the purpose of tightening the endless conveyor, a motor, a positive mechanism between the shaft of the motor and the shaft of the aforesaid driving-roller, means being provided whereby when the driving-roller is bodily adjusted said roller-driving mechanism will be automatically adjusted to compensate for the difference in distance between the shaft of the driving-roller and the shaft of the motor.

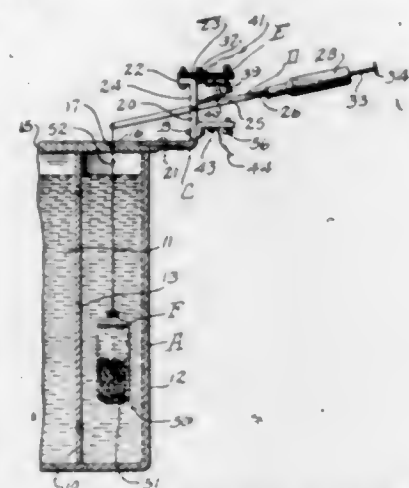
3. The combination, in an elevating conveyor, of a frame, an endless conveyor carried thereby, a truck upon which said frame is adjustably mounted, a pair of reversely threaded screw stems, one pivotally secured to said frame and the other pivotally secured to the axle of said truck, and a rotatable nut engaging the free ends of said stems whereby the angular relation between said frame and said truck may be adjusted.

1,520,333. PILE FABRIC TO SIMULATE FUR BLANKETS AND METHOD OF PRODUCING THE SAME. SAMUEL E. CREASEY, New York, N. Y., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 27, 1924. Serial No. 734,425. 5 Claims. (Cl. 26-2.)



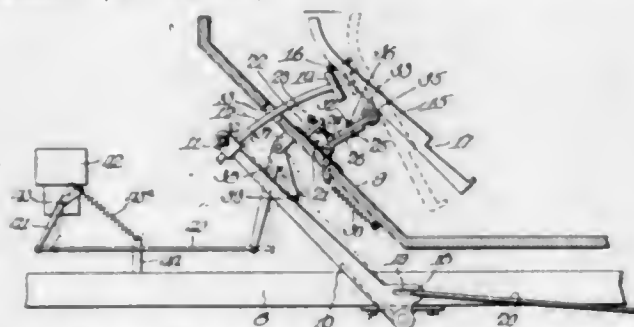
1. A pile fabric ornamented with a plurality of printed designs simulating the pelts of animals and with a part of the pile removed between the areas of said designs to give the effect of pelts sewn together.

1,520,334. CONTROL FOR BATTERY-CHARGING PLANTS. FRANCIS W. CRESS, Prior Lake, Minn. Filed Apr. 28, 1922. Serial No. 557,194. 3 Claims. (Cl. 200-84.)



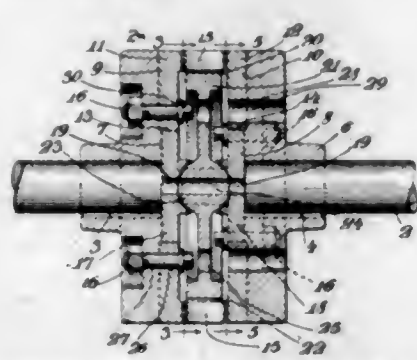
1. In a control for charging storage batteries, a supporting bracket of electrical conducting material, a rockable lever pivotally secured intermediate its ends to the bracket and formed of electric conducting material, a hydrometer arranged to extend into a storage battery jar, a block of insulation carried by the supporting bracket, resilient electric conducting arms secured respectively to the lever and to the block of insulation, contacts carried by the outer terminals of the arms, and permanent magnets carried by the arms adjacent to the contact points for permitting the quick making and breaking of the contacts.

1,520,335. PEDAL-OPERATED DRIVING CONTROL OF MOTOR VEHICLES. WILLIAM DAVIS, Chicago, Ill. Filed Mar. 22, 1924. Serial No. 701,100. 5 Claims. (Cl. 74-81.)



1. In a device of a class described, the combination with a pair of members to be actuated, one of said members being depressible and the other of said members arranged for and actuable by the movement of the depressible member in one direction, of a pedal pivotally connected to said depressible member, means adjacent said depressible member for yieldingly and tiltably supporting said pedal thereon whereby the pedal may be tilted and said depressible member moved in the direction to actuate said other member.

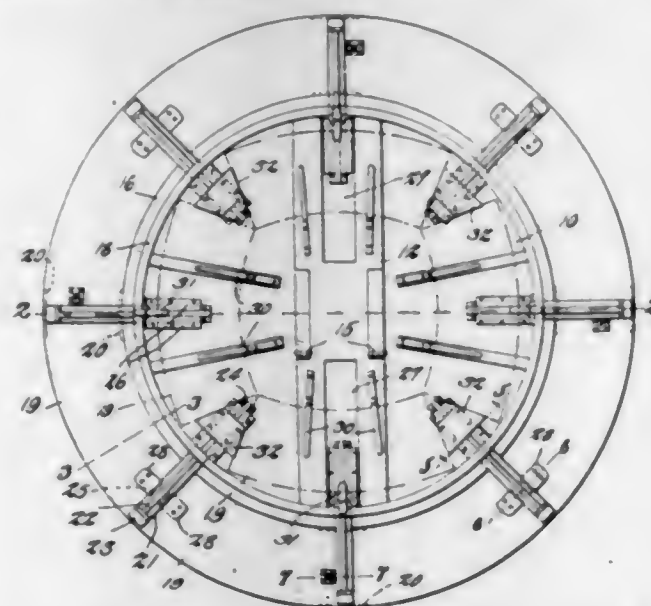
1,520,336. COUPLING. WILLIAM DENZER, New York, N. Y. Filed July 12, 1921. Serial No. 484,074. 2 Claims. (Cl. 64-91.)



1. A transmission coupling comprising a pair of rotatable outer members adapted to be rigidly associated

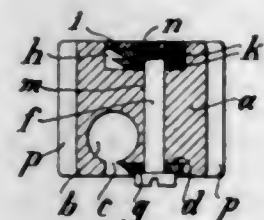
with the ends of two shafts, a plurality of individual members disposed between said outer members and forming a unit independent from said outer members when not connected with the latter, said individual members comprising claw elements, adapted to be rigidly but removably associated with said outer members, an inner thrust element, adapted to interengage with said claw elements, and outer thrust elements, adapted to engage said inner thrust element and capable of independent movement relative to said outer members, said claw element and said inner thrust element.

1,520,337. EXTENSION TABLE. JOSEPH B. DESS, Baltimore, Md. Filed Aug. 7, 1922. Serial No. 580,025. 2 Claims. (Cl. 45-9.)



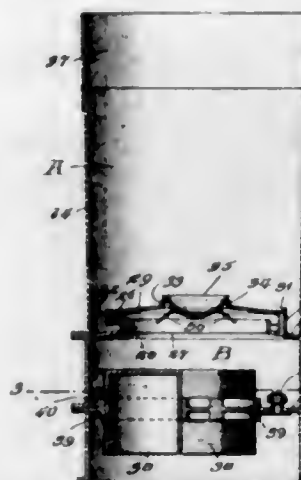
1. In an extension table, a permanent round top, a moulding on the under side thereof and projecting from its edge, a series of leaves for enlarging the area of the same, said leaves being arranged in hingedly connected pairs, radial arms supported beneath the table top and projecting from the edge thereof to support the leaves at their meeting edges, and with the inner edges of the leaves seating on the aforesaid projecting portion of the moulding, said arms being slidable inwardly to lie wholly beneath the table top, and having longitudinal side grooves, means carried by the pairs of leaves at the free ends thereof for holding the same against upward displacement, said means engaging the grooves of the arms coinciding with said free ends of the leaves, and latches carried by the pairs of leaves at the hinged ends thereof and engageable with the grooves of the arms coinciding with said hinged ends.

1,520,338. PENCIL SHARPENER. HUGO DORNSEIF, Radevormwald, Germany. Filed Nov. 1, 1922. Serial No. 598,368. 2 Claims. (Cl. 120-93.)



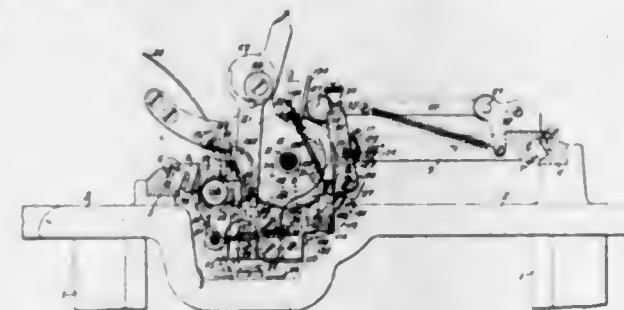
1. Pencil sharpener comprising a body portion with an axial opening to receive a pencil to be sharpened, a blade mounted on one side of said body portion with its cutting edge projecting into said opening, a cavity in the opposite side of said body portion in register with said blade, a cover for said cavity and a headed bolt with threaded end extending through a hole in said blade, a plain transverse boring of said body portion and through said cavity into a threaded hole in said cover so as to retain it on said cavity.

1,520,339. MEASURING APPARATUS. GUSTAV E. ESCHER, Summit, N. J. Filed July 11, 1923. Serial No. 650,935. 12 Claims. (Cl. 259-1.)



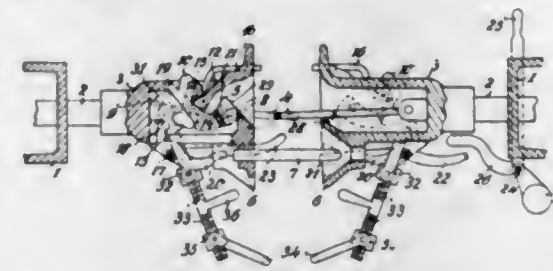
1. A measuring device for measuring sand or the like in an inundated condition, for the manufacture of concrete, and for simultaneously measuring the additional water required with such sand, which comprises a casing, a partition dividing the casing into two chambers, the upper of which is of such size as to measure the required amount of sand in an inundated condition, the lower of the two chambers being of such size as to measure the additional water which is to be used with the sand measured by the upper chamber, and means for allowing water to pass from the upper to the lower chamber and for preventing the admission of sand from the upper to the lower chamber.

1,520,340. TYPEWRITING MACHINE. STEPHEN H. FARNHAM, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Mar. 16, 1923. Serial No. 625,449. 47 Claims. (Cl. 197-127.)



1. In a typewriting machine the combination of a platen, releasable paper feeding means, a paper deflector, and key-operated means for controlling said deflector independently of said paper feeding means.

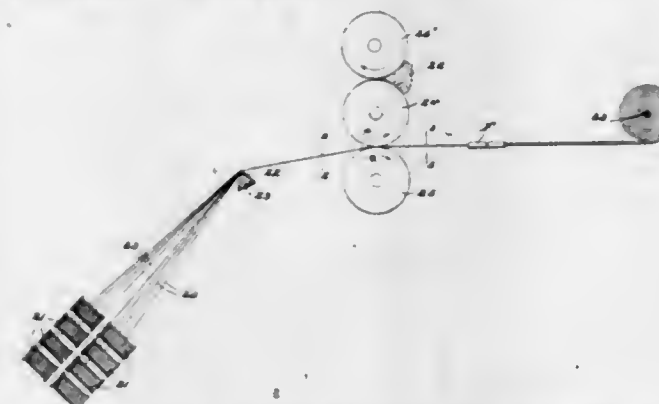
1,520,341. AUTOMATIC COUPLING FOR RAILWAY CARS. GOTTFRIED FLÜCKIGER, Eschert, Switzerland. Filed Nov. 26, 1923. Serial No. 677,009. 5 Claims. (Cl. 213-82.)



1. An automatic coupling for railway cars comprising in combination a draw hook and a coupling link, a cranked pivot axle for the draw-hook, two locking devices for locking the draw hook in the open position and in the coupling position, means for bringing said draw hook automatically into the coupling position, means for releasing one of said locking devices automatically when the coupling is being closed, means for

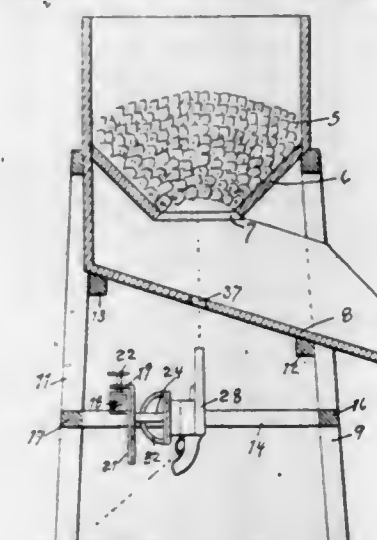
operating the other locking device by hand for opening the coupling, and means for bringing said draw-hook into the open position.

1,520,342. STRAND FOR TIRE FABRIC AND METHOD OF MAKING SAME. HANS E. GRABAU, Throggs Neck, N. Y., assignor, by mesne assignments, to Multiple Cord Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 21, 1921. Serial No. 502,112. 6 Claims. (Cl. 154-2.)



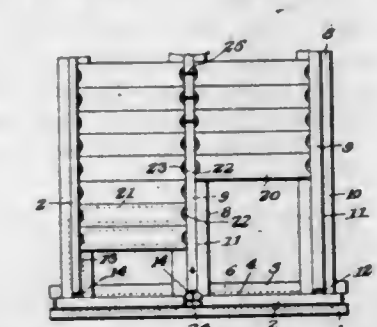
2. The method of making strands comprising threads arranged in superposed layers consisting in applying a coating of rubber to one surface of a sheet of parallel threads, and arranging said threads in superposed layers with the rubber coated parts of the threads on the interior of the strand.

1,520,343. COMBINED BLASTING GUN AND CHUTE. NORRIS P. GREEN, Montrose, Colo. Filed June 27, 1924. Serial No. 722,777. 4 Claims. (Cl. 42-1.)



1. In combination with an ore bin and its chute, of a charge carrying gun mounted beneath the chute, and means for firing said gun through said chute whereby the ore in the bin is released, substantially as and for the purpose described.

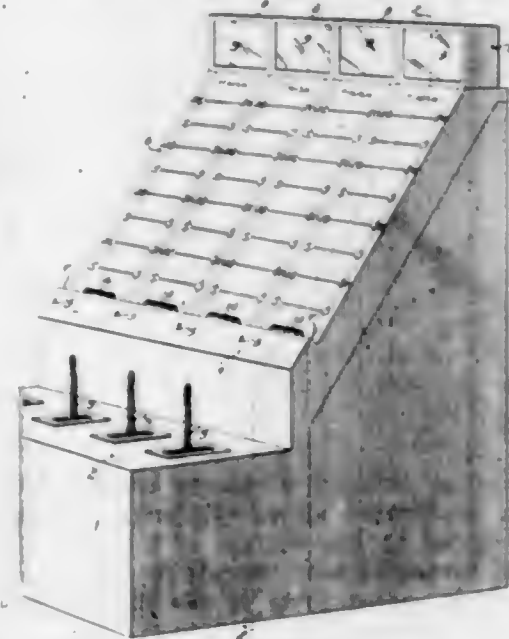
1,520,344. BUILDING CONSTRUCTION. FRANK R. HAHN, Decatur, Ill. Filed Oct. 13, 1920. Serial No. 416,725. 12 Claims. (Cl. 72-68.)



11. A building unit in the form of an elongated member having a plurality of separate recesses formed in

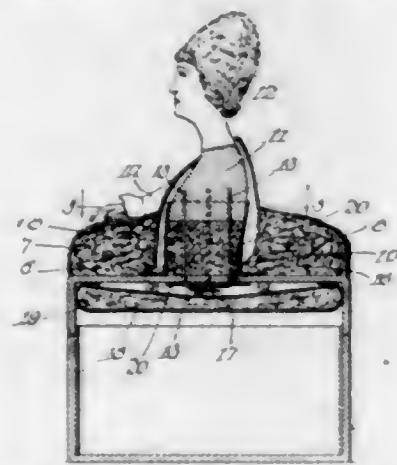
one side thereof, said recesses being undercut and terminating short of the bottom thereof to provide a plurality of laterally extending flanges, said recesses being separated from each other by vertically extending webs.

1,520,345. GAME APPARATUS. WILLIAM M. HAMILL, TON, Coney Island, N. Y. Filed Oct. 28, 1922. Serial No. 597,446. 20 Claims. (Cl. 253-56.)



1. A casing having a non-magnetic face, marked for scoring; a magnet adapted for travel under the face; means for supporting the magnet; an object adapted to be attracted and moved by the magnet above the face to make a score; means for causing the magnet to travel; score-indicating means, and means operatively connected with the magnet supporting means for actuating the score-indicating means to indicate the score.

1,520,346. MEANS FOR MOUNTING DOLL HEADS ON BOX LIDS. CHARLES HARRIS, Chicago, Ill., and MARTIN A. KATZ, Cleveland, Ohio. Filed Dec. 17, 1923. Serial No. 681,065. 3 Claims. (Cl. 41-10.)

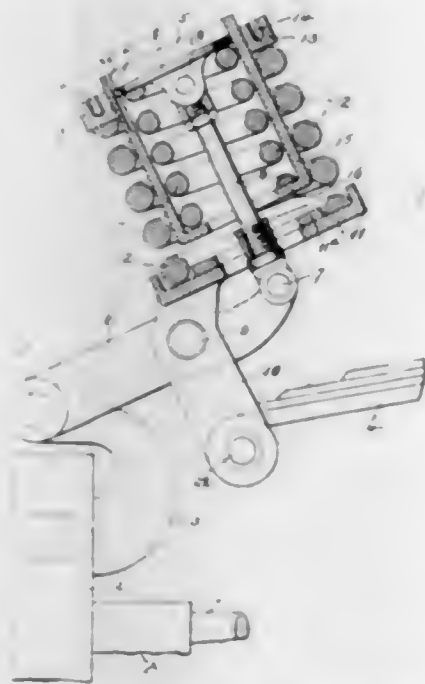


1. In a device of the class described, the combination with the lid of a box having a plurality of spaced openings in its middle portion, of a block mounted thereon and provided with a plurality of openings adapted to register with those of said lid, a bust doll head mounted on said block, and a plurality of wires fixed at their upper ends in the base of said head and extended through said openings in the block and lid and intertwined below the latter.

1,520,347. SHOCK ABSORBER. JOSEF HOFMANN, Baumaroch, Switzerland, assignor to Alfred Joel & Co., Zurich, Switzerland. Filed Sept. 13, 1920. Serial No. 409,939. 12 Claims. (Cl. 267-17.)

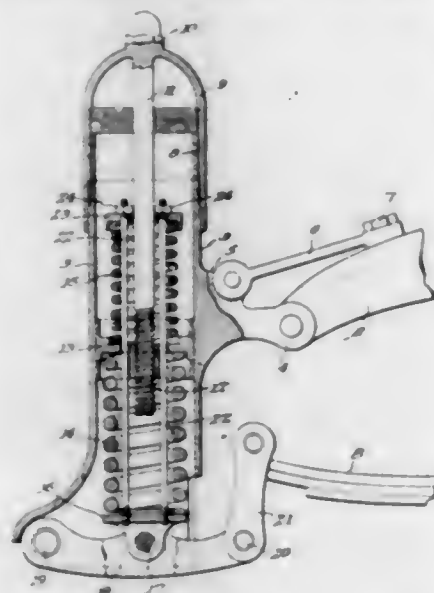
1. A shock absorber comprising two levers one of which is a bell-crank lever, one arm of which is sub-

stantially at right angles to the other and constitutes a seat for a cushioning device, the other lever being substantially straight and pivoted between its ends to



the other arm of the bell-crank lever adjacent said seat, a plunger pivoted to the end of said lever and compressing said device against said seat when the opposite ends of said levers are moved apart.

1,520,348. SHOCK ABSORBER. JOSEF HOFMANN, Baumaroch, Switzerland. Filed May 23, 1923. Serial No. 640,599. 14 Claims. (Cl. 267-129.)

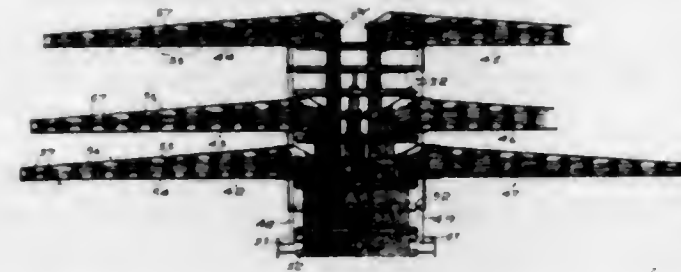


1. In a shock absorber, a casing, two coil springs therein acting in opposition to one another, an adjustable spring seat normally stationary, and means to adjust said seat from the exterior of the casing to simultaneously compress one spring and decompress the other and vice versa.

1,520,349. FABRIC OR PAPER REINFORCING MACHINE. CHARLES H. HOWARD, SANGUS, and LEWIS SHARP, North Attleboro, Mass., assignors to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 16, 1922. Serial No. 582,166. 14 Claims. (Cl. 19-157.)

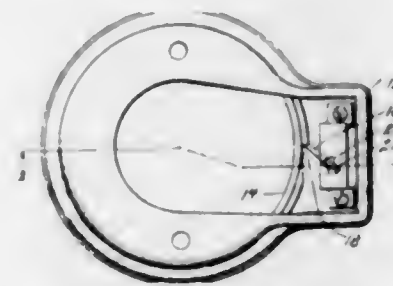
4. A device for drawing rovings of unspun fibres from a source of supply, comprising in combination, means for pulling rovings from a remote source of supply, and guides disposed along the path of travel of the rovings and arranged to engage the opposite sides of the rovings

at intervals and to deflect the rovings from a straight line so that the tension of the rovings forces the oppo-



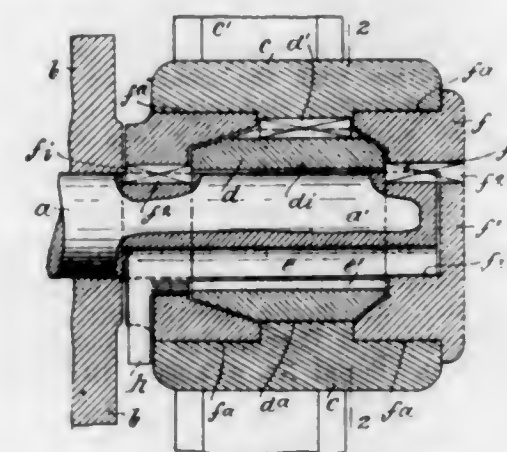
site sides of the rovings against the guides to increase the friction between the individual fibres forming the rovings.

1,520,350. THEFTPROOF-LAMP CONSTRUCTION. ROBERT S. IREMONGER, New York, N. Y., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1922. Serial No. 526,768. 1 Claim. (Cl. 240-128.)



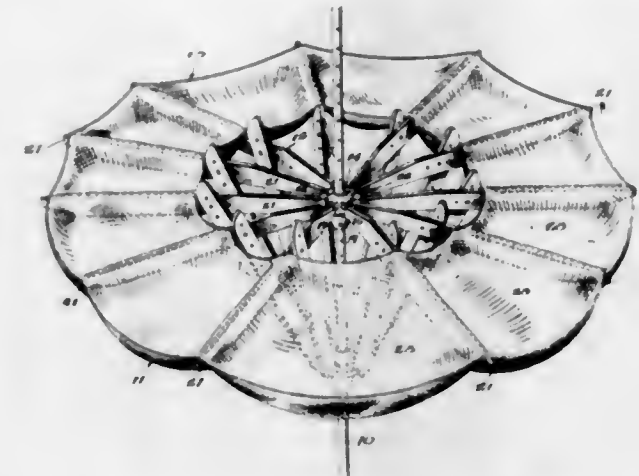
The combination with a lamp socket and an internally threaded casing adjacent said socket, of a globe for enclosing a lamp bulb having a helical thread formed integral therewith for engaging the threaded casing, said helical thread having a plurality of turns, the turns of said threads having a series of aligned notches therein, and a pawl pivoted about an axis parallel to the axis of the socket and having a broad edge for engaging said series of aligned notches.

1,520,351. ROTARY KEY CLUTCH. FERDINAND JOHN, Dusseldorf, Germany. Filed May 26, 1924. Serial No. 716,045. 3 Claims. (Cl. 192-29.)



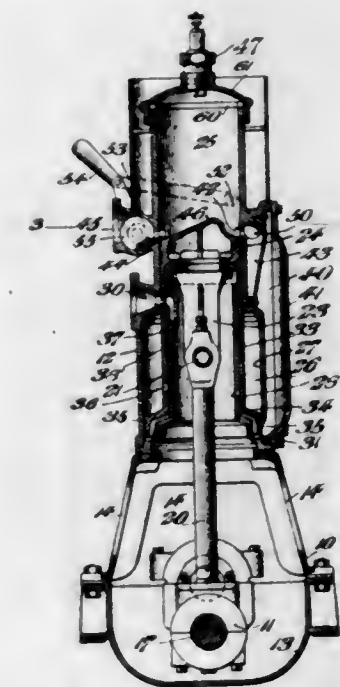
1. A rotary key clutch comprising a shaft having a keyway therein, a notched driving bush, a rotary key journaled in said keyway, a pair of stepped bearing bushes partially overlapping the driving bush and a flywheel or its equivalent having a stepped hub running on said bearing bushes and fastened to the driving bush, whereby the bearing surfaces of the driving and bearing bushes are of greater area than the surfaces fixed to the wheel hub and shaft, substantially as described.

1,520,352. FRUIT HANDLING AND SORTING APPARATUS. ANDREW JOHNSON, Brewster, Wash. Filed Jan. 5, 1924. Serial No. 684,611. 4 Claims. (Cl. 130-32.)



1. In combination, a rotatable vertical shaft, and a sorting table comprising a frame carried by the shaft and including spaced horizontal bars, and an endless flexible pocket forming body supported upon the bars.

1,520,353. INTERNAL-COMBUSTION ENGINE. ELWIN C. KAVANAUGH, Bethlehem, Pa. Filed Nov. 27, 1920. Serial No. 426,778. 12 Claims. (Cl. 123-71.)

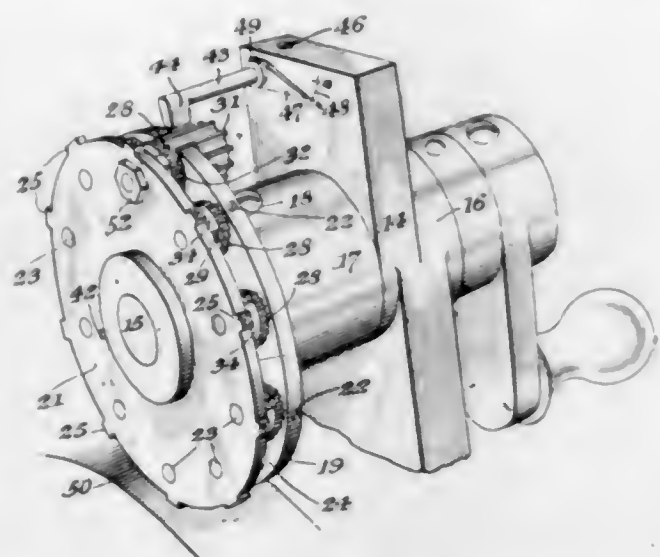


1. In an internal combustion engine, a casing forming a working chamber at one end, an open ended sleeve projecting within the other end of said casing to form therewith an intake chamber, an intake port arranged to communicate with said intake chamber, an outlet port communicating with said intake chamber, means forming a communication between said outlet port and said working chamber, and a piston in said working chamber arranged to open said intake port at substantially the end of the non-working stroke of said piston.

1,520,354. NUMBERING MECHANISM FOR TICKET-PRINTING MACHINES. JOHN ALWYN KELLER, Bay Shore, and CHARLES SPIELMANN, Richmond Hill, N. Y.; said Spielmann assignor, by mesne assignments, to said Keller. Filed June 4, 1924. Serial No. 717,760. 25 Claims. (Cl. 101-77.)

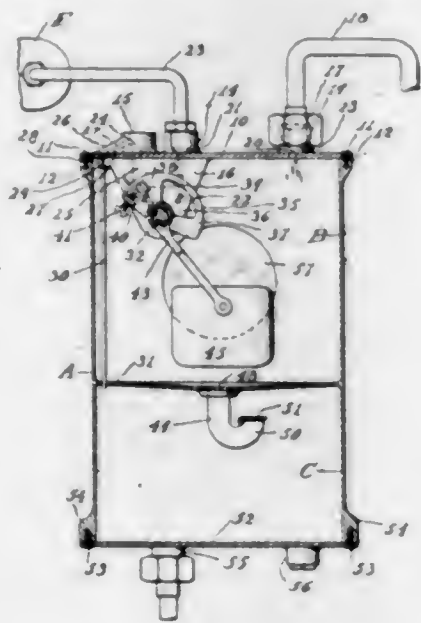
1. A numbering mechanism, comprising a main type-wheel having equi-distant type-numbers at its periphery,

means for revolubly mounting said type-wheel, supplementary type-wheels revolubly mounted in series concentric to the axis of said main type-wheel and respectively having at their periphery equidistant type-



numbers adapted to respectively align with the respective type-numbers upon said main wheel, and means for simultaneously turning said series of type-wheels in step movements to alter their aligned type-numbers with relation to the type-numbers of said main wheel.

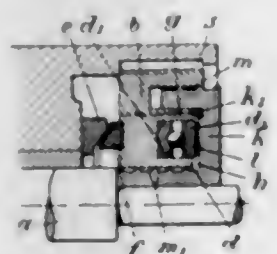
1,520,355. FLUID VACUUM FEED DEVICE. LOGAN N. KELLEY, New York, N. Y., assignor to Charles E. Stadel, New York, N. Y. Filed Aug. 18, 1920. Serial No. 404,443. 7 Claims. (Cl. 103-236.)



1. A vacuum fluid feed control mechanism comprising, with an internal combustion engine having an intake manifold and having a carburetor, a tank comprising a main compartment and a secondary compartment, the main compartment having a bracket provided with air exhaust and air intake ports, the air exhaust ports communicating with said carburetor, means for admitting fluid to the main compartment, means for passage of fluid from the main compartment to the secondary compartment, said means comprising a valve normally closed and movable to open position by pressure of fluid from the main compartment, means for communication of the secondary compartment with the atmosphere, means for outlet of fluid from the secondary compartment communicating with said carburetor, an oscillatable valve pivotally connected to said bracket and having oppositely

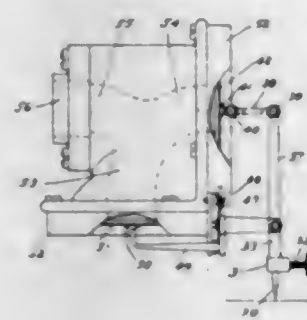
disposed closure means for sequentially opening and closing said air exhaust and air intake ports, and having oppositely disposed stops, and a float pivotally connected to said bracket for oscillating said valve by rise and fall of the float with the fluid in said main compartment and provided with means for sequentially engaging said stops of the oscillatable valve.

1,520,356. AUTOMATIC THRUST BEARING. FRANZ LAWACZECK, Pocking, Upper Bavaria, Germany. Filed Aug. 24, 1921. Serial No. 404,895. 9 Claims. (Cl. 64-47.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



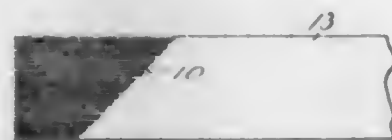
7. In a shaft bearing in combination, a shaft, a casing surrounding part of said shaft, a viscosity pump adapted to convey liquid into the space intermediate said shaft and said casing and means projecting into said space, one of the walls confining said space being provided with an opening for varying the pressure within said space.

1,520,357. METHOD OF AND APPARATUS FOR PRODUCING SOUND. HUGH C. LORD, Erie, Pa. Filed July 2, 1920. Serial No. 393,545. 7 Claims. (Cl. 274-46.)



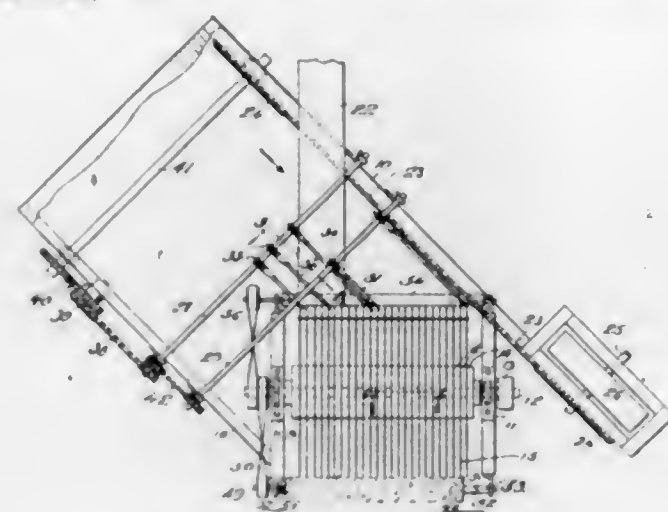
1. The method of reproducing sound comprising synchronously vibrating with the same tone waves a plurality of sound-producing elements from a single source of motion, each element responding to a different direction of motion at the source.

1,520,358. PROCESS OF SHREDDING FIBROUS PLANT LEAVES. GEORGE A. LOWRY, Indianapolis, Ind., assignor, by mesne assignments, to Tropical Fibre Corporation, a Corporation of Delaware. Filed Sept. 23, 1920. Serial No. 412,260. 10 Claims. (Cl. 19-24.)



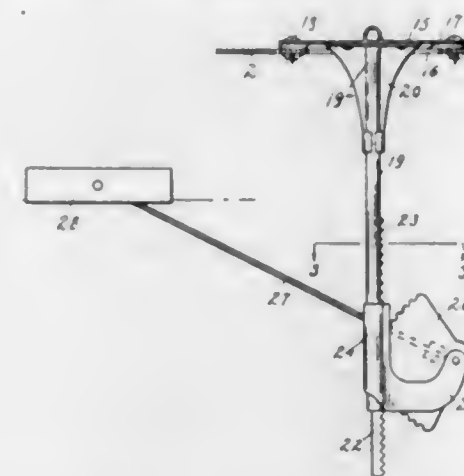
10. The process of shredding fibrous material which consists in successively slitting the same in the direction of the length thereof, the slittings commencing in a line extending in a direction inclined transversely across the material.

1,520,359. MACHINE FOR SHREDDING THE LEAVES OF FIBROUS PLANTS. GEORGE A. LOWRY, Indianapolis, Ind., assignor, by mesne assignments, to Tropical Fibre Corporation, a Corporation of Delaware. Filed Sept. 23, 1920. Serial No. 412,261. 40 Claims. (Cl. 19-24.)



2. In a machine for shredding fibrous leaves, the combination of successively active means operating to slit the leaves in the direction of the length thereof, and means for penetrating the leaf at points lying in a line diagonal to the transverse width of the leaf.

1,520,360. LIQUID-LEVEL GAUGE. CHARLES J. McCLELL, Eagle Rock, Calif., assignor of one-half to James A. Byrne, Los Angeles, Calif. Filed Apr. 27, 1922. Serial No. 556,907. 5 Claims. (Cl. 73-82.)

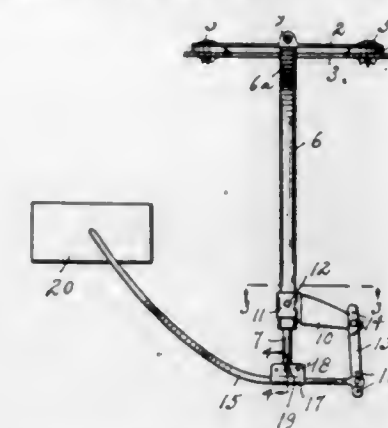


1. A liquid level gauge comprising indicating means, a guide tube having means for supporting the same in substantially vertical position in a tank, said tube being longitudinally slotted at one side, a rack longitudinally slidable in said tube with its teeth in alignment with said slot, an operating connection between said rack and said indicating means extending through said tube, a frictional clamping sleeve adjustable along said tube and longitudinally slotted in alignment with said tube slot, a bracket projecting laterally from said sleeve at one side of said slots, a pinion journaled on said bracket and meshing with said rack through said slots, an arm secured to and projecting radially from said pinion, and a float on said arm.

1,520,361. LIQUID-LEVEL GAUGE. CHARLES J. McCLELL, Eagle Rock, Calif. Filed May 17, 1922. Serial No. 561,599. 5 Claims. (Cl. 73-82.)

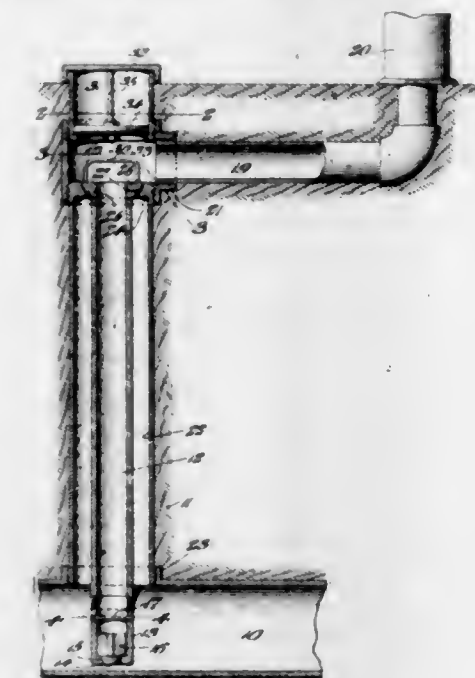
1. A float mechanism comprising a closure disc having an opening therethrough, a curved tube extending through said opening and having an upper straight end extending radially of said disc and a lower straight end depending vertically from said disc, an operating rod in

said tube and extending below the lower end thereof, a bracket rotatably and longitudinally adjustable on the lower straight end of said tube, a link pivoted at one end to said bracket, a float arm pivoted to the opposite



end of said link, means for adjusting one of said pivotal connections, a pivoted connection between the depending end of said operating rod and said float arm, and means for adjusting said pivotal connection along said float arm.

1,520,362. REMOVAL VALVE MECHANISM FOR UNDERGROUND LIQUID TANKS. JOSEPH M. MCGINNIS, Philadelphia, Pa. Filed Jan. 24, 1924. Serial No. 688,257. 8 Claims. (Cl. 220-55.)

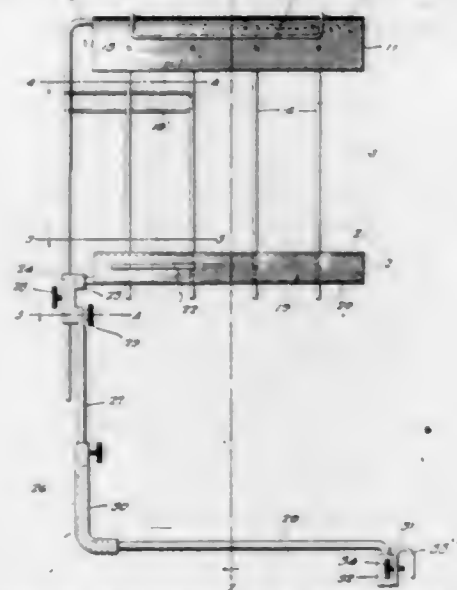


1. A tank construction comprising in combination an underground tank, a shaft having one end connected to said tank and its other end accessible from the ground level, a branch pipe from said shaft connected to a pumping unit, a discharge pipe in said shaft, a control valve in said tank and carried by said discharge pipe, means for removably supporting said discharge pipe from said shaft, a cover for said shaft, and means accessible by removing said cover for withdrawing said discharge pipe and said valve from said shaft.

1,520,363. COPYHOLDER. JOSEPH F. MACGREGOR, Meadville, Pa. Filed Sept. 27, 1921. Serial No. 503,658. 2 Claims. (Cl. 120-28.)

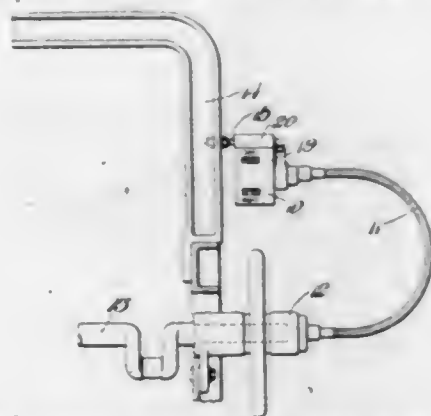
1. A copy holder comprising a sectional support, one of said sections including an upper horizontally disposed member, spaced fingers extending therefrom and the other section including a lower horizontally disposed substantially Z-shaped member having a horizontally disposed upper flange extending longitudinally thereof and provided with spaced openings therein to slidably receive the spaced fingers, and a long arm carried by the upper member, a guide block carried by the lower mem-

ber and having an opening therethrough to slidably receive the arm, means for holding the block and arm



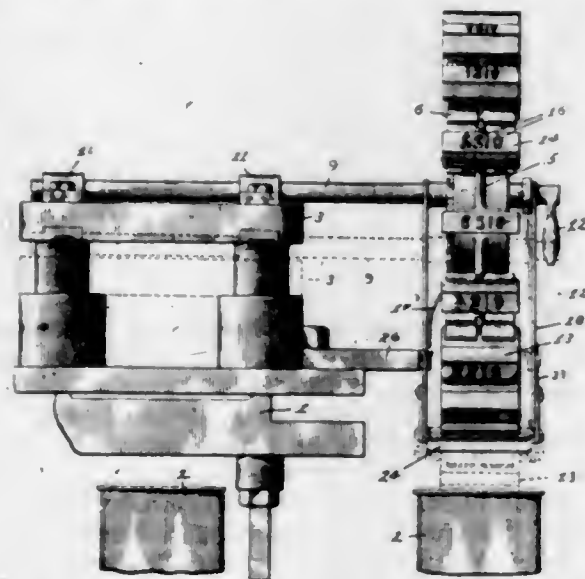
against relative movement and supporting means for the holder.

1,520,364. PICK COUNTER FOR LOOMS. ALBERT HAYES MORTON, Lowell, Mass. Filed June 28, 1924. Serial No. 722,950. 2 Claims. (Cl. 235-1.)



1. A pick counter for looms, comprising a counter proper provided with a part having a bearing, a support for attaching the counter to the frame of the loom having a portion arranged longitudinally of the loom to be received in the bearing of the counter, and spring means to resiliently resist relative longitudinal movements of the counter and its support.

1,520,365. AUTOMATIC STAMPING MACHINE WITH MAGAZINE. NIELS NIELSEN, Pittsburg, Calif. Filed Sept. 11, 1923. Serial No. 662,135. 8 Claims. (Cl. 101-43.)



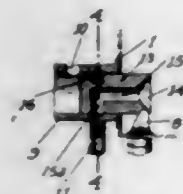
1. A can marking device comprising a carrier secured upon a reciprocating member of a can clinching machine

arranged to clinch covers upon cans moved intermittently thereunder; a plurality of marking elements secured upon a carrier, one of which is normally held in operative position to engage and mark successive cans; and means for adjusting the carrier while the machine is in operation to hold a desired marking element in operative position.

1,520,366. COMPRESSED VANILLIN TABLET. ADAM OSER, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Feb. 8, 1922. Serial No. 535,080. 2 Claims. (Cl. 99-11.)

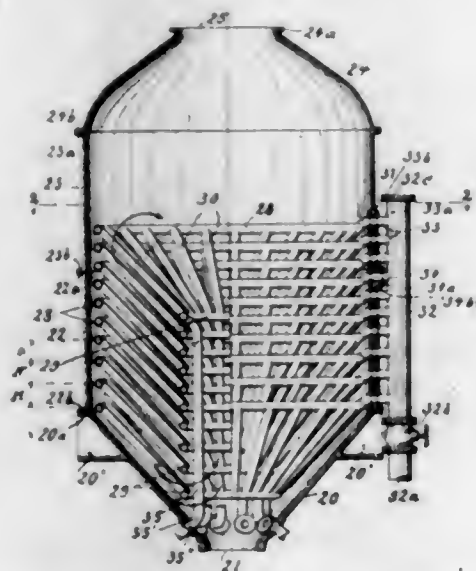
1. A process of preparing doses of vanillin for culinary purposes, which consists in mixing a definite quantity of vanillin with a substance adapted to swell in water, said substance being without noxious action on the vanillin or on the human body, and compressing the mixture into tablets.

1,520,367. SUCTION VALVE FOR CIGARETTE LIGHTERS. LEWIS PENGILLY, Stockton, Calif. Filed Jan. 12, 1924. Serial No. 685,883. 2 Claims. (Cl. 251-95.)



2. A suction valve member comprising a sleeve, a passage member leading to the periphery thereof, a valve in the sleeve having a peripheral port, said port being normally spaced from the sleeve-passage but adapted to be aligned therewith, means for moving said valve in a manner to cause the port and sleeve passage to be aligned, and spring means between the sleeve and valve to prevent undue freedom of movement of the latter, and also acting, when said port and passage are aligned, to force the adjacent surfaces of the sleeve and valve which surround said port and passage into close contact.

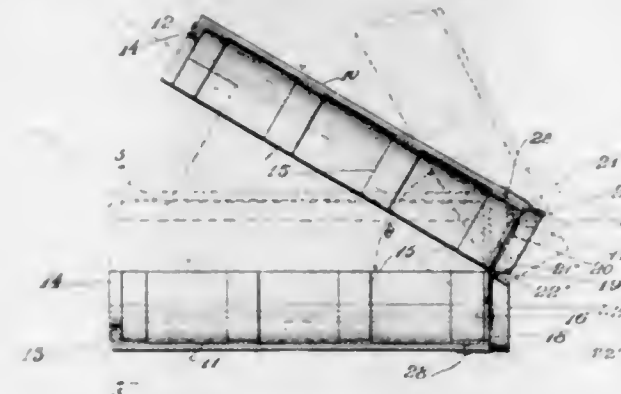
1,520,368. EVAPORATING APPARATUS. HORACE F. RUGGERS, New York, N. Y. Filed Nov. 2, 1922. Serial No. 598,456. 10 Claims. (Cl. 159-28.)



3. In an evaporating apparatus the combination with an upright cylindrical receptacle; of a plurality of circular pipe ducts, positioned concentrically to the axis and in proximity to the wall of said receptacle, a second plurality of circular pipe ducts of smaller radii than the first one, positioned concentrically to the said axis, a plurality of branch pipes, connecting said circular pipe ducts in such manner that they always connect ducts of larger radii and higher level to ducts of smaller

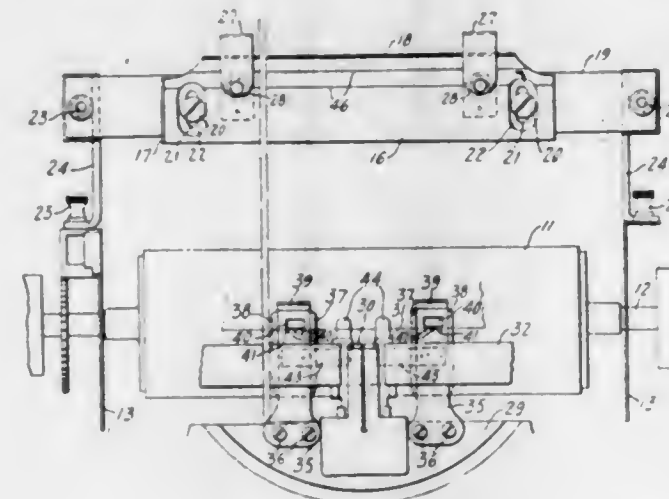
radii and lower level, and means to send steam for evaporating purposes through said system of pipes from points of highest level to points of the lowest level.

1,520,369. RECORD CONTAINER. CARL SCHNEIDER, Nutley, N. J. Filed May 18, 1921. Serial No. 470,735. 8 Claims. (Cl. 206-15.)



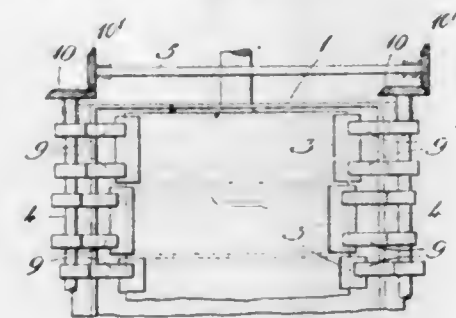
1. A new article of manufacture, a longitudinally divided cylinder having a flanged and hinged bottom and adapted to normally close, and means at the flanged bottom for facilitating opening the cylinder when desired.

1,520,370. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 21, 1921. Serial No. 486,366. 4 Claims. (Cl. 197-135.)



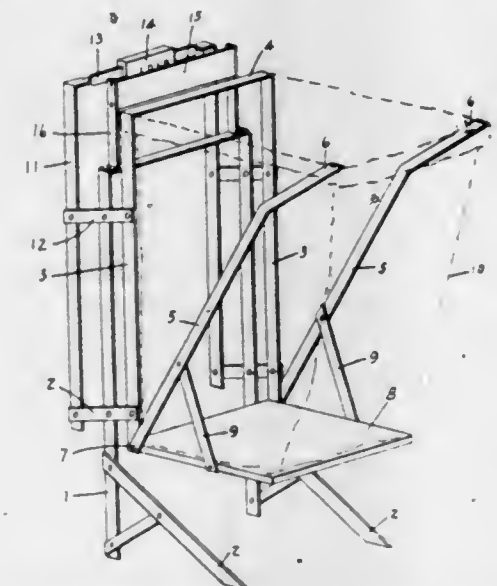
1. In a front-strike typewriting machine having a platen frame and a revolvable platen, and having a ribbon-vibrator in front of the platen, card holding and guiding means including a card-shelf arranged on edge above the front of the platen and supporting the card in flat condition in a position tangential to the platen at the printing line and inclined but slightly back from the vertical to clear the upper set of types without appreciably bending the card, a leading-edge gage on said card-shelf positioning the card with its bottom edge substantially coincident with the bottom of the printing line on the platen, a pair of upright card-guiding members secured upon the machine frame and having flared edges and extending across the printing line, and a pair of card-guiding fingers extending from said upright members laterally back of the adjacent sides of the ribbon-vibrator and then upwardly beyond the upper edge of the vibrator and across the printing line and holding the lower edge of the card against the platen to receive the type impressions, and preventing interference between the lower edge of the card and the ribbon-vibrator during typing.

1,520,371. SCREEN FOR PAPER PULP OR THE LIKE. JOHN MAGNUS LARSSON SPANGENBERG, Forshaga, Sweden. Filed Aug. 2, 1923. Serial No. 655,154. 4 Claims. (Cl. 92-26.)



2. In a pulp screening apparatus a vat for pulp stock, a rotary screen within said vat, the interior of said screen communicating with outlets and intakes, a plurality of agitators forming a movable mantle wholly or partly surrounding said screen, and located at a proper distance from the screen, means for moving said agitators in such a way as to cause a reciprocating movement of the fluid through the screening walls, and so as to impart to the agitators such a motion that the various parts thereof are successively brought to approach and withdraw from the screen, said agitators being separated from each other along transverse planes and adjacent agitators being acted upon by eccentrics in such a way that they have an asynchronous movement in relation to each other.

1,520,372. COMBINED LAUNDRY-BAG HOLDER AND WEIGHT INDICATOR. PAUL R. SYERS, Indianapolis, Ind. Filed Apr. 27, 1922. Serial No. 556,906. 6 Claims. (Cl. 265-51.)

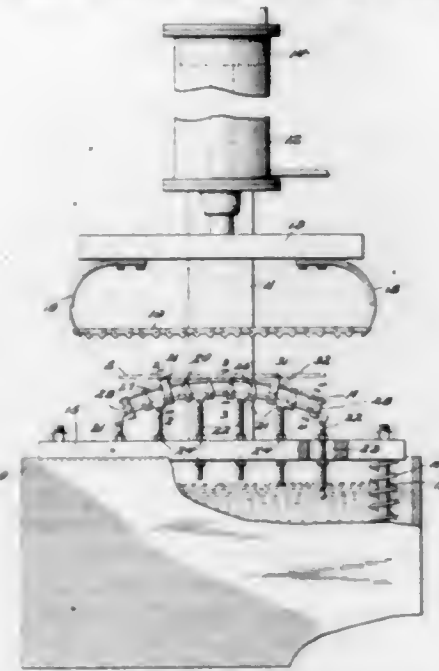


1. In a combined bag holder and weight indicator, a substantially rectangular supporting frame, rocker arms pivoted to the supporting frame, a pair of main standards pivoted to the rocker arms, a platform pivoted to the lower end of the main standards, a pair of auxiliary standards carried by the platform and provided with free upper ends formed for engagement with the bag, means for supporting other portions of the bag from the main standards, and a weight receiving beam pivotally carried on the other ends of said rocker arms, substantially as set forth.

1,520,373. MANDREL FOR BENDING MACHINES. JOHN WALLACE TAYLOR, Cincinnati, Ohio. Filed Sept. 23, 1921. Serial No. 502,702. 7 Claims. (Cl. 153-51.)

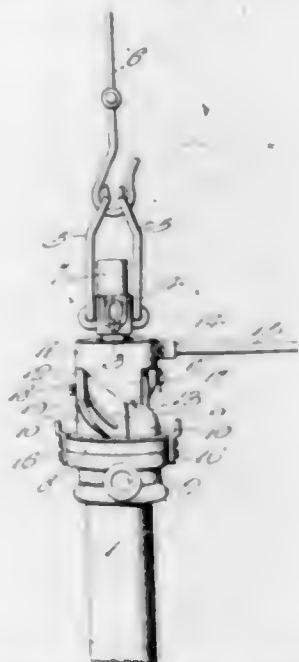
1. A mandrel of the class described comprising, in combination, a flexible plate, and means supported on

said plate constituting a superstructure for supporting an article to be bent, said supporting means comprising



a series of substantially radial members of equal length, and longitudinal bars supported on the outer ends of said members and adapted to receive the work.

1,520,374. SUPPORT AND RELEASE FOR WELL-TUBING ELEVATORS. OWEN ALONZO THOMPSON, Independence, Kans. Filed Feb. 4, 1924. Serial No. 690,559. 9 Claims. (Cl. 166-4.)

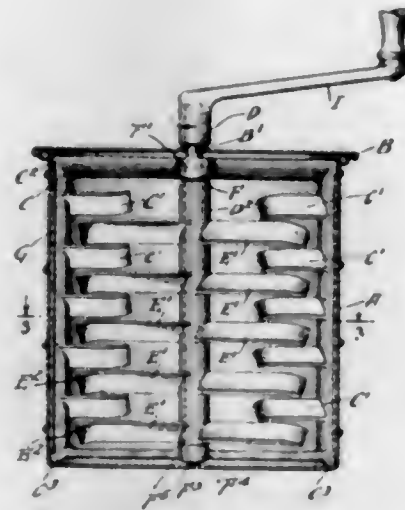


8. The combination with a well casing, a tube section therein, and the usual elevator by means of which said tube section is lowered; of releasable stop means in the downward path of said elevator adapted to support the latter and the tube section while another tube section is being added, said stop means being then adapted to be released to permit easy detachment of said elevator.

1,520,375. MIXING AND BEATING MACHINE. HENRY TRUST, Park Ridge, N. Y., and FRANK M. ASHLEY, Brooklyn, N. Y.; Josephine Trust administratrix of said Henry Trust, deceased. Filed June 16, 1920. Serial No. 389,339. 2 Claims. (Cl. 259-107.)

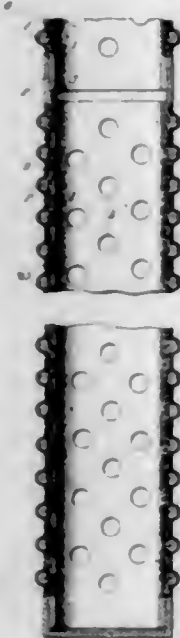
1. A mixing machine comprising a receptacle, stationary inclined and curved blades mounted in said receptacle, a rotor having curved and inclined blades also mounted in said receptacle and cooperating with said stationary blades, the curvature and inclination of said stationary

blades and said rotor blades being such that material being mixed is propelled downwardly and centrally of



the receptacle, the end portions of both stationary and rotor blades having substantially the same shape and form.

1,520,376. OIL-WELL STRAINER. EDWARD B. VERNER, Mangum, Okla. Filed Oct. 25, 1922. Serial No. 596,824. 1 Claim. (Cl. 166-5.)

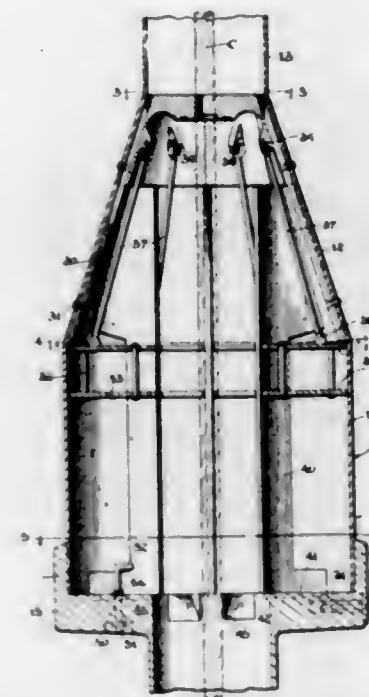


An oil well strainer constructed of heavy iron tube sections which are coated with an acid-resisting substance and having spaced openings therethrough, each of said tubes having a hub at one end receiving the end of the next tube thereon for connecting the tubular sections, other apertured tube sections surrounding the first mentioned section and held thereon by the confronting base and mouth of the hubs of said first mentioned tube sections and woven fiber tubes of acid-resisting material arranged between the joints of the first mentioned tube sections and the metal tubes on said sections, and said fiber tubes providing a packing as well as filtering medium for said inner and outer metal tube sections.

1,520,377. SELF-CLOSING VALVE. THOMAS ELISHA WASHINGTON, Coalinga, Calif., assignor of one-half to Edgar Earl Walton, Coalinga, Calif. Filed Dec. 30, 1922. Serial No. 610,017. 12 Claims. (Cl. 166-15.)

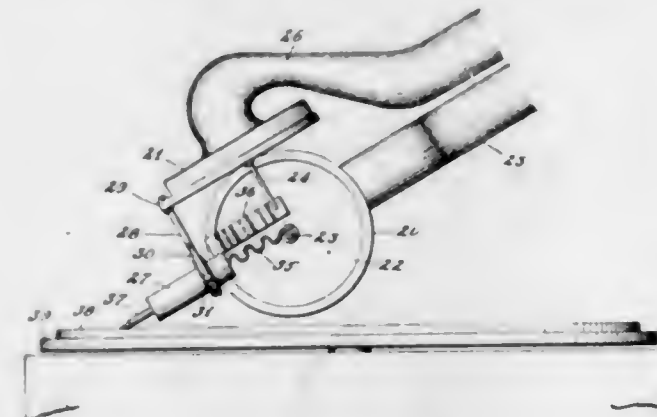
1. A self-closing valve for use with oil or gas wells comprising in combination with the well casing, a valve housing incorporated in the well casing, a valve in said

housing and a pressure responsive device operatively connected with the valve and adapted to be actuated to



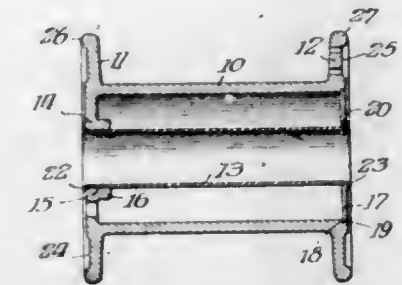
close the valve when gas or oil is struck, and manually operable locking means for holding the pressure responsive device against actuation when desired.

1,520,378. APPARATUS FOR RECORDING AND REPRODUCING SOUND. SAMUEL S. WATERS, Washington, D. C., assignor to Hugh C. Lord, Erie, Pa. Original application filed July 3, 1920, Serial No. 393,908. Divided and this application filed June 18, 1921. Serial No. 478,654. 6 Claims. (Cl. 274-28.)



1. In a graphophone, a pair of sound boxes arranged at right angles to each other, a stylus holder, means for supporting the stylus holder for universal pivotal movement, a member freely bendable in one axial plane and rigid in an intersecting axial plane connecting the stylus holder to one sound box and arranged in position to transmit vibrations from the stylus holder to the sound box upon imposition of forces in said intersecting axial plane of the member, said member being adapted to yield upon imposition of lateral forces in said first axial plane thereon to absorb vibration between the stylus holder and the sound box, and a second similar member connecting the stylus holder to the other sound box and arranged to bend in a plane at right angles to the plane of bending of the first member and adapted to transmit forces imposed in the intersecting axial plane of said second member and adapted to absorb vibrations imposed laterally in said first axial plane of the second member.

1,520,379. SPOOL. HUGO H. WERMINE, Chicago, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1924. Serial No. 728,201. 14 Claims. (Cl. 242-123.)



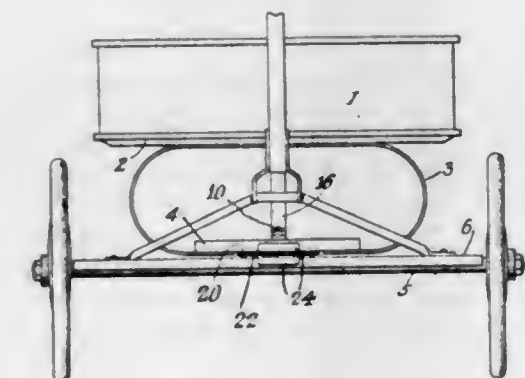
1. A spool comprising a molded tubular body, a tube extending longitudinally through the bore of said body, a bearing for one end of said tube formed integral with said body, and a disk seated in the opposite end of said body and forming the bearing for the corresponding end of said tube.

1,520,380. WRITING BOARD OR SLATE AND METHOD OF MAKING SAME. GUSTAV WETTER, Weesen, Switzerland. Filed Aug. 29, 1921. Serial No. 496,656. 4 Claims. (Cl. 91-68.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A process for preparing writing surfaces on slates, boards and the like, consisting in applying a covering layer of water-glass and zinc-white to a surface of a base, and in applying a layer of a water-glass solution to said covering layer.

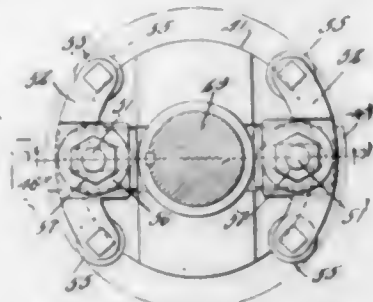
3. A slate or board for writing purposes, comprising a base adapted to form at least one writing surface, a covering layer consisting of water-glass and zinc-white applied to said writing surface, and a layer consisting solely of water-glass applied to said covering layer.

1,520,381. WAGON GEAR. CLARENCE WATSON WHITE, North Bennington, Vt., assignor to H. C. White Company, North Bennington, Vt., a Corporation of Vermont. Filed Sept. 30, 1921. Serial No. 504,322. 6 Claims. (Cl. 280-125.)



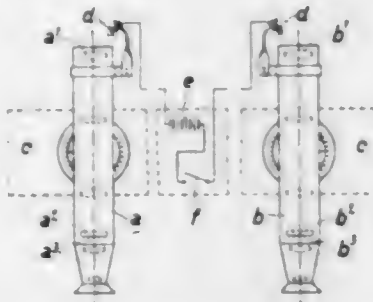
1. In a vehicle, a front axle rod, a rolled channel strip secured in an inverted position upon said rod, a stamped metal disc secured upon the upper face of the channel centrally thereof, a body part, a rolled channel strip carried by the body part, a stamped metal disc secured to the under face of the last named channel and resting upon the first named disc, and a pivot pin passing through both channels and discs for securing them together.

1,520,382. BORING HEAD. RAYMOND W. WORKMAN, Carson City, Nev. Filed Mar. 14, 1923. Serial No. 625,098. 4 Claims. (Cl. 77-58.)



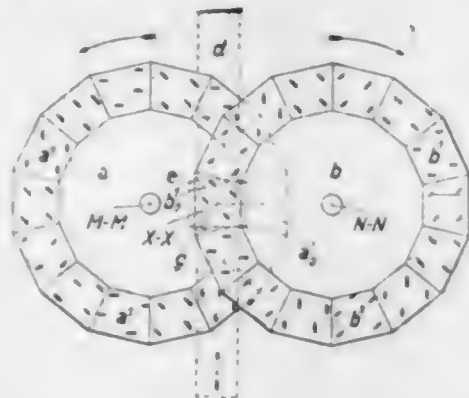
1. A head for portable re boring machines, having opposed grooves, cutters adjustably mounted in the grooves, arcuate centering strips adjustably connected to the head, and work engaging rollers on the strips.

1,520,383. METHOD FOR EXAMINING THE RELATIVE POSITION OF SIGHTING LINES. WALTHER BAUERSFELD and OTTO MACKENSEN, Jena, Germany, assignors to the Firm Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,117. 4 Claims. (Cl. 88-1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Method for examining the relative position of sighting lines which are presented by several telescopes, disposed on a common carrier having an oscillating support, consisting in releasing for each of the telescopes an optical signal lying in the path of rays of each of the said telescopes and ascertaining at the appearance of this signal the relative position which in each of the said telescopes the image of a target jointly presented to the said telescopes has relatively to the sighting mark of the telescope.

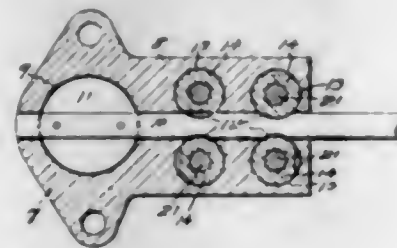
1,520,384. CINEMATOGRAPHIC APPARATUS. WALTHER BAUERSFELD, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,131. 1 Claim. (Cl. 88-168.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



In a cinematographic apparatus for a uniformly traversed film, two rings of prisms rotatable about axes

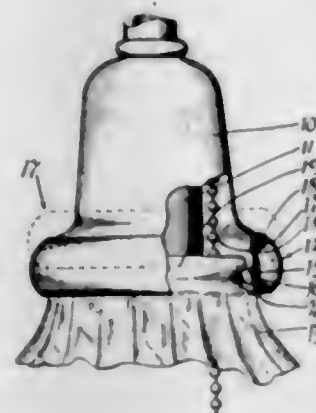
parallel to each other, the said rings containing each a similar number of rhombic prisms so disposed that their surfaces of entrance and emergence are perpendicular to the said axes, and that the prisms of each ring are contiguous to each other in radial limiting planes, all the prisms being so constructed as to impart to the rays entertaining them parallel to the said axes, the same parallel displacement.

1,520,385. COMBINATION LOCK. GEORGE I. BE LANGER, Chicago, Ill. Filed Sept. 8, 1921. Serial No. 499,242. 1 Claim. (Cl. 251-6.)



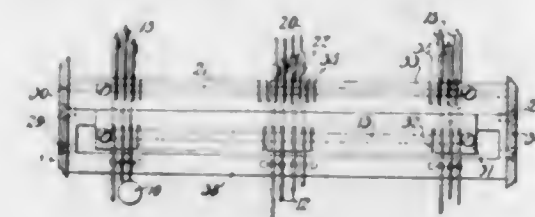
A lock for use on internal combustion engines comprising a body adapted to be arranged between the carburetor and an intake manifold and having a lateral extension, a control valve arranged in said body and having a shaft provided with spaced notches, short separate tubular locking elements arranged in said extension and having notches adapted for registration with said first named notches whereby said shaft may be turned, the tubular locking elements having internal longitudinal ribs, actuating members having stems received in said locking elements and having longitudinal ribs engaged with said first named ribs, each stem being separately actuated and separately adjustable with respect to the co-operating locking element, and plugs threaded in said extension and rotatably supporting the locking elements, there being means between the locking elements and the plugs to hold the locking elements in said positions.

1,520,386. SHADE-HOLDING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 13, 1920. Serial No. 409,993. 6 Claims. (Cl. 240-132.)



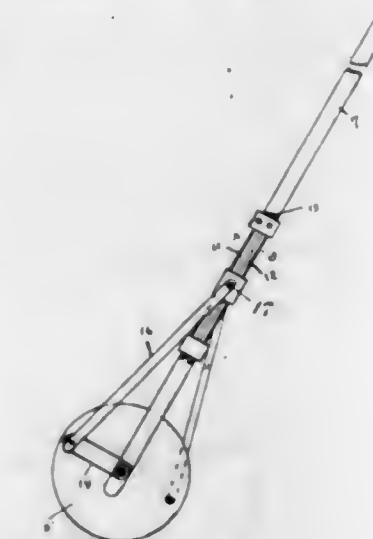
1. A shade holder construction comprising a husk having a skirt portion, having two sets of openings therein, and a plurality of dogs pivotally mounted in one of said sets of openings, and having portions extending through the other of said sets of openings for engaging the shade, and an actuating ring for slipping down on said skirt portion and pushing said dogs into engagement with said shade.

1,520,387. TYPEWRITING MACHINE. WILLIAM BENSON, Brooklyn, N. Y., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 2, 1921. Serial No. 441,727. 3 Claims. (Cl. 197-27.)



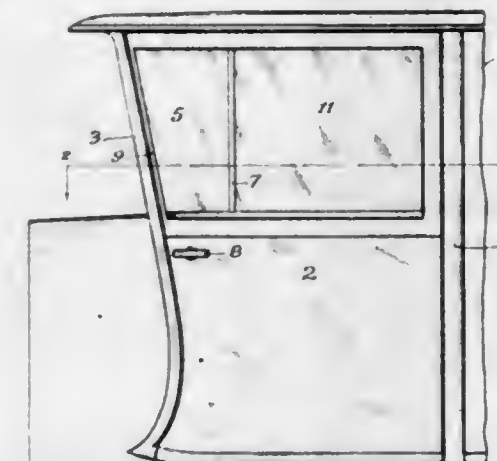
1. In a typewriting machine, the combination with a system of front strike type-bars pivoted below the printing point, of a system of banks of pivoted key-levers immediately below the type-bar system and having their fulcra arranged in transverse horizontal alignment, each key-lever having a long arm extending forwardly from its fulcrum, and having a short arm which extends downwardly and rearwardly from the fulcrum, sub-levers having their fulcra arranged in transverse horizontal alignment along a line substantially below and in rear of and close to and parallel with the line of fulcra of the key-levers, each sub-lever having a long arm extending upwardly from its fulcrum and pivotally engaging the corresponding type-bar, and each sub-lever having a short oblique arm extending downwardly and rearwardly from its fulcrum and pivotally connected to the end of the short arm of the corresponding key-lever at a point substantially below and to the rear of the key-lever fulcrum, all of said oblique arms being about midway between vertical and horizontal, a frame-bar extending transversely of the machine between the line of fulcra of the key-levers and the line of fulcra of the sub-levers and upon which both the key-levers and the sub-levers are fulcrumed, and key-lever returning springs supported upon said bars.

1,520,388. LOCOMOTIVE TOY. FRANK M. BRESLIN, West Springfield, Mass. Filed June 23, 1921. Serial No. 479,919. 2 Claims. (Cl. 272-85.)



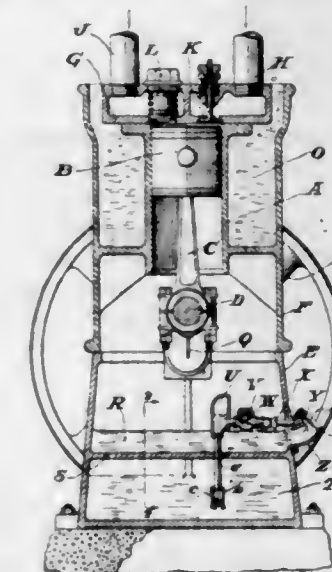
2. A toy consisting of a ground wheel, an axle therefor, a handle pivotally mounted on said axle, a crank arm mounted on said axle, blocks secured in spaced relation to each other on one side of the handle, similar blocks similarly secured on the opposite side of the handle, a U shaped guide bar secured to each set of blocks, a slide movable on each guide bar independently of each other, a pitman connected to one slide and pivotally connected with the crank arm, and a pitman connected to the other slide and connected with the wheel.

1,520,389. CONSTRUCTION OF INCLOSED DRIVE AUTOMOBILE BODIES. WILLIAM BREWSTER, New York, N. Y. Filed May 24, 1924. Serial No. 715,502. 2 Claims. (Cl. 296-44.)



1. The herein described improvement in the construction of a closed automobile body, comprising a narrow pillar post for the windshield, and a door adjacent thereto and provided with a fixed glass pane above the door latch equipment and a vertically slidable glass pane beyond said fixed pane.

1,520,390. OILING DEVICE. ALLAN O. CARPENTER, Corning, and JOHN LE VALLEY, Painted Post, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 17, 1923. Serial No. 613,085. 4 Claims. (Cl. 184-103.)



4. In a pump, compressor or similar machine, the combination of a cylinder and reciprocating piston, a crank and crank case, the bottom of the crank case forming an oil chamber, an oil receptacle in the lower portion of the crank case above the oil chamber from which receptacle oil may overflow back into the bottom of the crank case, an air pressure chamber having an oil inlet connection leading to the said oil chamber and an inlet valve in said connection, an oil discharge connection leading from the air pressure chamber to the oil receptacle and having a discharge valve, whereby the inlet valve is opened by increase of pressure in the crank case and the discharge valve is opened by increase of pressure in the air pressure chamber and simultaneous decrease of pressure in the crank case.

1,520,391. SWIMMING DEVICE. CHARLES S. ALTOONIAN, Providence, R. I. Filed July 29, 1924. Serial No. 728,949. 5 Claims. (Cl. 9-18.)

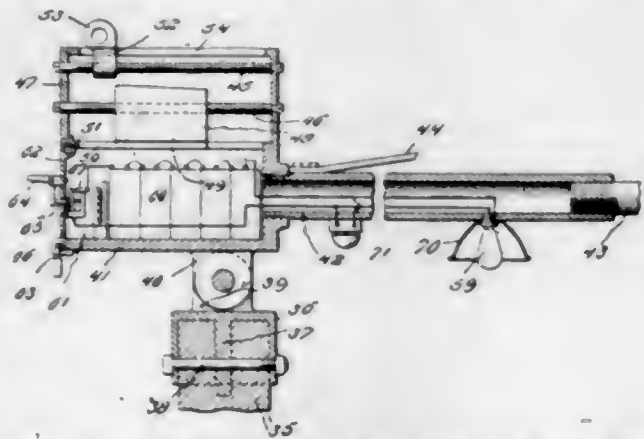
5. A device of the character described comprising an elongated float, attaching elements carried by said float adjacent to its rearward end, a pair of oppositely extend-

ing footpieces carried by said body adjacent to its forward end, a propeller shaft supported upon said float and extending beyond the forward end of the float, a propeller secured on the forward end of said shaft, manually op-



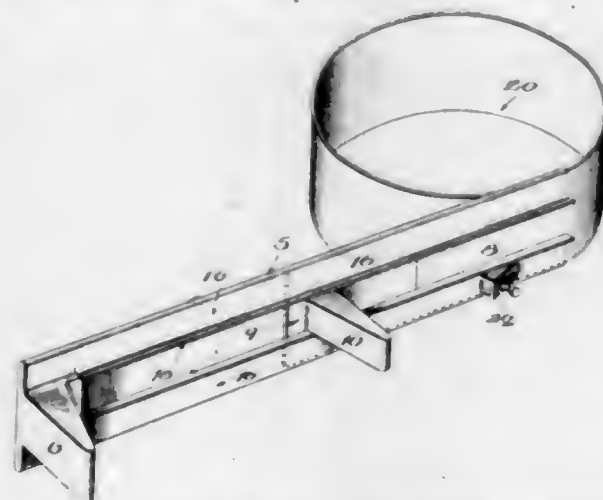
erable means for imparting a torque to said shaft, outriggers carried by said float, a pair of outriggers detachably secured to said float and respectively extending laterally of opposite sides of the float, and a rudder at the rearward end of said float.

1,520,392. AUTOMATIC RAILWAY-CROSSING GATE. PETER A. DUPCZA, Altoona, Pa., assignor of one-half to David R. Perry, Altoona, Pa. Filed Feb. 28, 1924. Serial No. 695,689. 3 Claims. (Cl. 246-125.)



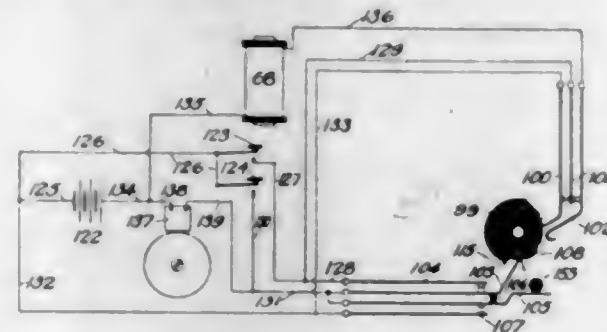
1. In an obstruction for railway crossings, a pivotally supported bar carrying a swingable barrier, a box at the pivoted end of the bar, an adjustable weight therein, batteries in the box adding to the weight thereof, a bulb on the bar, a circuit between the battery and bulb, a normally open switch in the circuit, means actuated by an approaching train for swinging the bar to horizontal obstructing position, and means for closing the switch when the bar is so swung.

1,520,393. PISTON-RING-CONTRACTING DEVICE. CHARLES BARCHUS, Natchez, Miss. Filed Mar. 21, 1922. Serial No. 345,442. 7 Claims. (Cl. 29-86.4.)



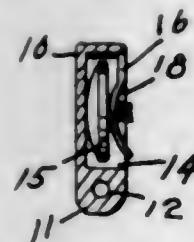
1. A piston ring squeezer comprising a sheath of elongated formation, a band of spring metal movable longitudinally of said sheath and having one end anchored to the sheath adjacent the forward end of the sheath whereby to provide a variable loop, and a handle connected to one end of said band for moving the band longitudinally of the sheath.

1,520,394. SIGNAL DEVICE. CLARENCE E. BEACH, Binghamton, N. Y. Filed Dec. 7, 1920. Serial No. 428,970. 25 Claims. (Cl. 177-308.)



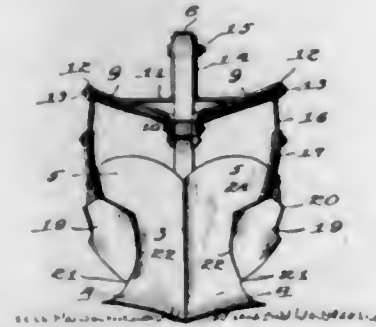
1. In a signal device: transmitting means for formulating two different signals, and operating means so constructed and arranged as to be adapted to act for a greater or less number of cycles to operate said transmitting means to formulate a signal during each cycle, said operating means arranged to render the formulation of one of such signals effective only after a predetermined number of the operative cycles thereof, in combination with an electromagnet for controlling said operating means, and circuit controlling mechanism arranged for operation by said operating means to vary responsiveness of said electromagnet to individual ones of a plurality of current paths, in an established order of selection, after various predetermined numbers of such cycles.

1,520,395. WATCH-CHAIN HOLDER. GUS BECKER, Fresno, Calif. Filed Feb. 26, 1923. Serial No. 621,194. Renewed May 24, 1924. 3 Claims. (Cl. 24-240.)



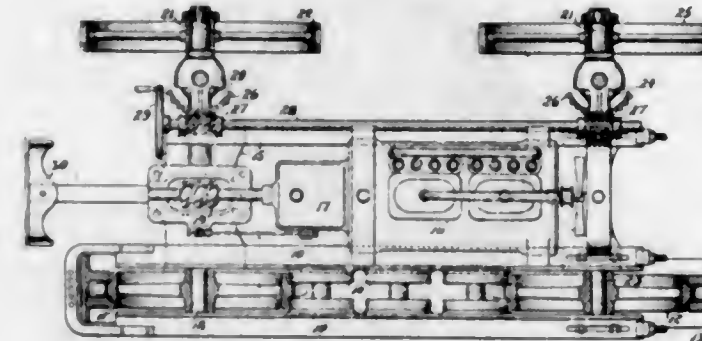
1. A watch chain holder comprising a body member adapted to be detachably mounted upon the button of a garment to surround the same except the rear thereof; a pair of spaced resilient securing members extending downwardly from the top wall of said body member adapted to straddle the button securing means and to bear against the inner side of said button; a downwardly depending ear at the lower end of the body member provided with a transverse aperture therein.

1,520,396. PLOW ATTACHMENT. GEORGE J. BERCK, Osceola, Nebr. Filed Apr. 26, 1921. Serial No. 464,559. 1 Claim. (Cl. 27-211.)



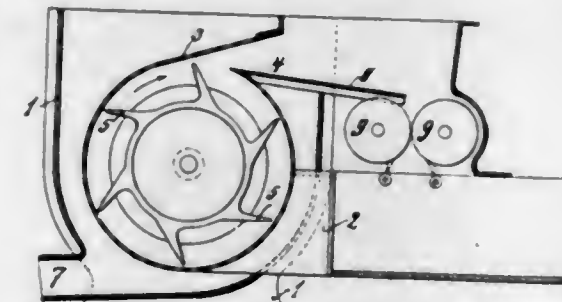
In combination with a plow having symmetrical divergent mold-boards, an arm pivotally connected at its forward end to each side of the plow-beam, a transverse brace between the arms, means medially of the brace to support the arms from the plow-beam in adjustable positions and a supplemental blade carried on the rear end of each arm in front of the mold-boards.

1,520,397. TRACTOR. CLARENCE LEO BEST, San Leandro, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Jan. 12, 1921. Serial No. 436,643. 4 Claims. (Cl. 180-9.1.)



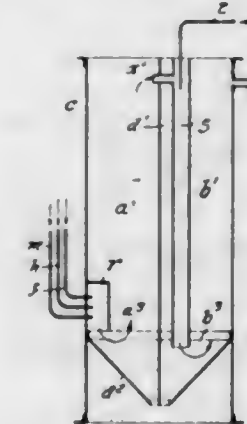
1. A tractor comprising a main frame, a truck unit at one side thereof comprising a rear driving sprocket wheel, a front idler sprocket wheel, an endless flexible track encompassing said sprocket wheels, axles for said sprocket wheels extending transversely of the main frame and a ground wheel journaled on the opposite end of each of said axles.

1,520,398. MACHINE FOR GRINDING AND SIFTING WOOD PULP. ANDREAS BIFFAR, Miltenberg, Germany. Filed Aug. 22, 1921. Serial No. 494,141. 2 Claims. (Cl. 92-20.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



2. A machine for grinding and sifting wood pulp comprising a grinding device, a sieve, a longitudinal slotted sieve of substantially circular cross section, a rotary blade conveyor movable within said sieve, a conduit leading from the exhaust side of said grinding device into said sieve and another conduit, leading from the slot in said sieve back to the inlet side of said grinding device, the whole combined to form an integral unit.

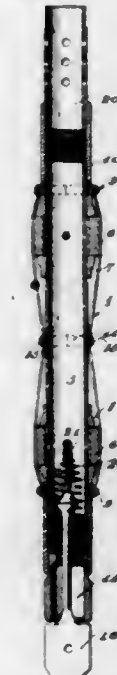
1,520,399. APPARATUS FOR PURIFYING BOILER FEED WATER. FERDINAND BLUMENTHAL, Cologne-Braunsfeld, Germany. Filed July 15, 1924. Serial No. 726,229. 1 Claim. (Cl. 210-16.)



In an apparatus for purifying boiler feed-water, a receptacle, a vertical wall extending upwardly from the bottom substantially the entire height thereof forming two chambers within the receptacle, means for introducing feed-water and a chemical into one of said cham-

bers through the side wall into the lower portion of said chamber, means for introducing another chemical, both means being disposed for the downward delivery of the feed-water and materials, the said receptacle being provided near its lower end with an open bottomed ante-chamber of relatively less width than that of the main chamber and into which the chemical and feed-water means directly extend.

1,520,400. SWAB. ALEXANDER ROYNTON, San Antonio, Tex. Filed Nov. 10, 1923. Serial No. 674,024. 11 Claims. (Cl. 103-225.)



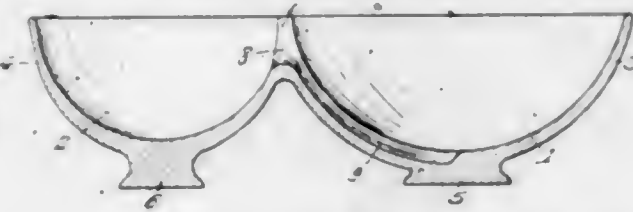
1. A tool of the character specified comprising a body having discharge means, an expansible packing member mounted on said body and surrounding said discharge means, and a protector surrounding said expansible packing member and consisting of a plurality of separate sections.

1,520,401. TEMPER SCREW. GURDON G. BRADY, Arkansas City, Kans. Filed Jan. 15, 1924. Serial No. 686,322. 10 Claims. (Cl. 287-61.)



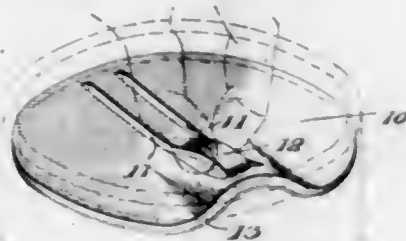
5. A temper screw comprising a tubular hanger, a boxing threaded into said hanger, a screw threaded into the boxing, a tubular member movable with said screw and enclosing the boxing and hanger, means for holding the boxing in adjusted position against rotation, and means for rotating the screw and producing relative longitudinal movement between the screw with the tubular member and the hanger.

1,520,402. DISH. WILLIAM M. CLEMANS, Wheeling, W. Va., assignor of one-half to J. C. Fee and one-half to Roth M. Clemans, Gwendolyn C. Clemans, and Elizabeth C. Clemans, all of Wheeling, W. Va. Filed Mar. 1, 1923. Serial No. 621,986. 2 Claims. (Cl. 65-15.)



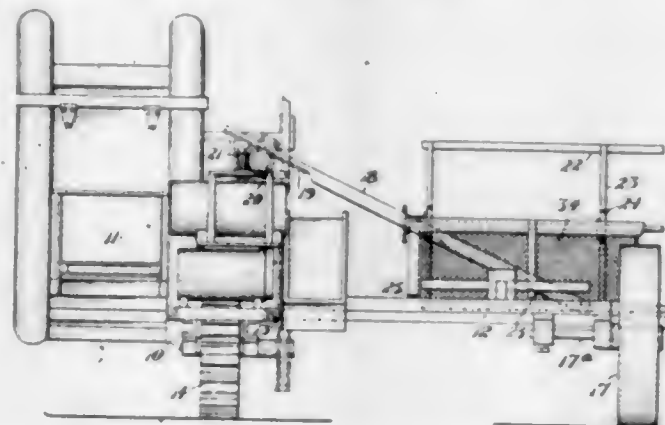
1. A one-piece dish having the form of two bowls of substantially even height and united throughout a portion of their heights by a common wall, said wall having an embrasure-like passage therein, one of said bowls having an internal spoon-guiding channel leading upward to said passage.

1,520,403. CONTAINER CLOSURE. FREDERICK COATES, Cincinnati, Ohio. Filed July 18, 1923. Serial No. 652,282. 2 Claims. (Cl. 215-51.)



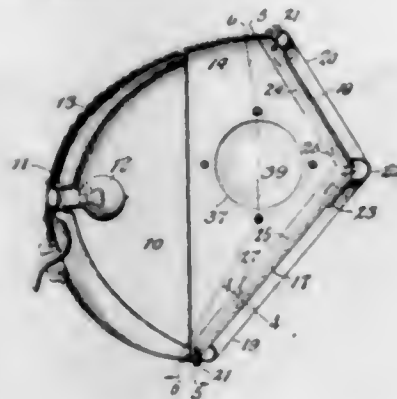
1. A closure for containers consisting of a closure body having a pair of parallel openings extending there across to provide a diametrical strip united at each end to the body adjacent the periphery whereby tension on the strip tends to contract the body periphery at opposite points, said openings being of a width to permit grasping of the portion of the closure body between them by the thumb and finger of a user, and a liner secured to the closure body and covering said openings.

1,520,404. COMBINED HEADER AND THRASHER. ERNEST COBURN, Spokane, Wash., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 24, 1920. Serial No. 383,644. 10 Claims. (Cl. 56-228.)



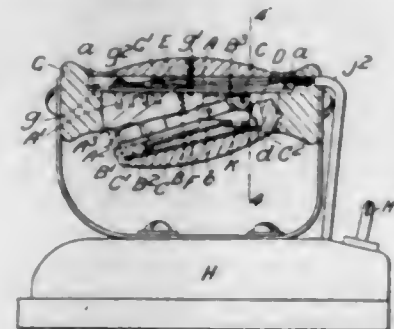
1. In a combined header and thrasher, a thrasher, a header connected to one side thereof and having a supporting wheel at the outer end and a single line of bearing members for the thrasher and inner end of the header positioned between the thrasher and header, the weight of the header being effective to prevent the thrasher from tipping.

1,520,405. HEADLIGHT. CHARLES F. DAMM, Buffalo, N. Y. Filed Dec. 8, 1921. Serial No. 520,946. 1 Claim. (Cl. 240-41.)



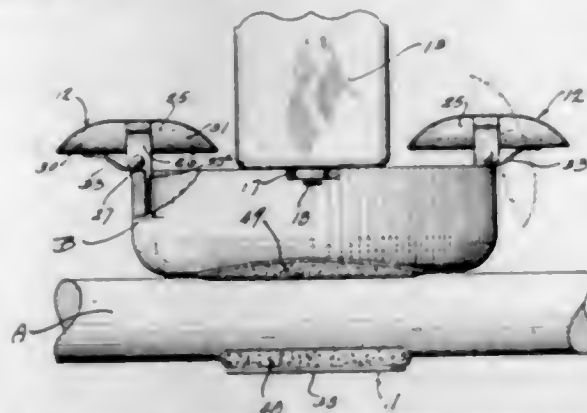
A headlight comprising a reflector adapted to contain a lamp, a casing having a rear body enclosing said reflector and a hood extending forwardly from said body and having the lower part of its front edge inclined rearwardly and downwardly and the upper part of said edge inclined rearwardly and upwardly, a lower inclined clear lens mounted on the lower inclined edge of said hood, and an upper inclined translucent lens mounted on the upper inclined edge of said hood, said lower lens being longer fore and aft than said upper lens and lenses of different colors arranged on horizontally opposite sides of said hood.

1,520,406. ELECTRIC SWITCH. CLAUDE WILLIAM DENNY, London, England. Filed June 24, 1922. Serial No. 570,630. 16 Claims. (Cl. 200-157.)



1. In an electric switch the combination of a stationary member, a pivoted knife-blade member, a number of separate contacts on the stationary member, a number of separate contacts on the knife-blade member, the contacts of one member connecting those of the other member in series, an operating lever for the knife-blade member, a relatively weak spring, adapted to act upon the operating lever, and a relatively strong spring adapted to act upon the knife-blade member.

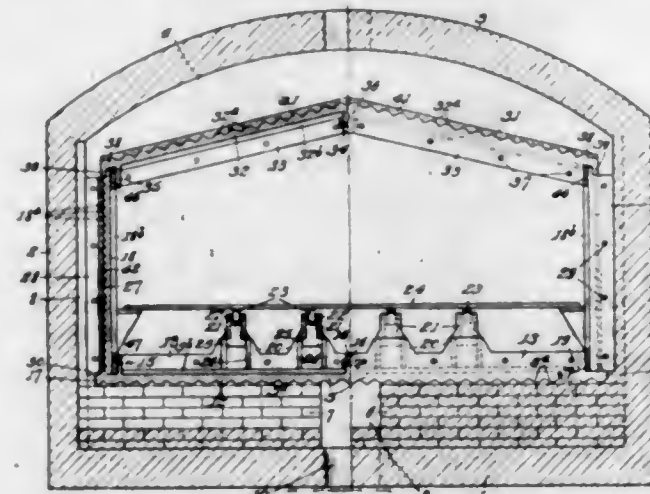
1,520,407. ASH TRAY. JOHN J. DOLZER, St. Paul, Minn. Filed Apr. 1, 1922. Serial No. 548,695. 3 Claims. (Cl. 131-51.)



3. A device of the class described comprising a tray defining a pocket therein, a tobacco holder pivotally mounted upon the tray adjacent said pocket, a lug rigid with said tray.

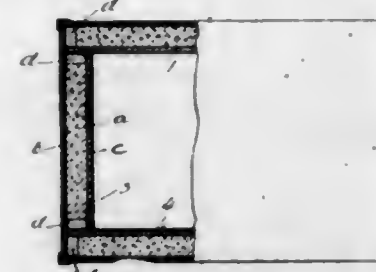
with said tobacco holder, and a spring acting upon said tobacco holder to normally urge the lug into engagement with said tray to limit the amplitude of inward movement of the tobacco holder with respect to the pocket of the tray.

1,520,408. MUFFLE GLASS FURNACE. PHILLIP EDELING, Bellaire, Ohio. Filed Sept. 9, 1921. Serial No. 499,485. 15 Claims. (Cl. 49-47.)



12. A muffle having a bottom, side walls and a roof, each composed of a plurality of connected cast-iron plates, said side walls being connected with the bottom and with the roof to permit free expansion and contraction of each without strain, and a refractory protective coating carried by said side walls and said roof, the plates of said side walls and said roof being provided with transverse ribs on their external faces and with longitudinal ribs on their internal faces.

1,520,409. REFRIGERATOR CONSTRUCTION. ARMIN ELMENDORF, Chicago, Ill., assignor to Haskellite Manufacturing Corporation, a Corporation of New York. Filed Feb. 28, 1921. Serial No. 448,427. 8 Claims. (Cl. 217-7.)

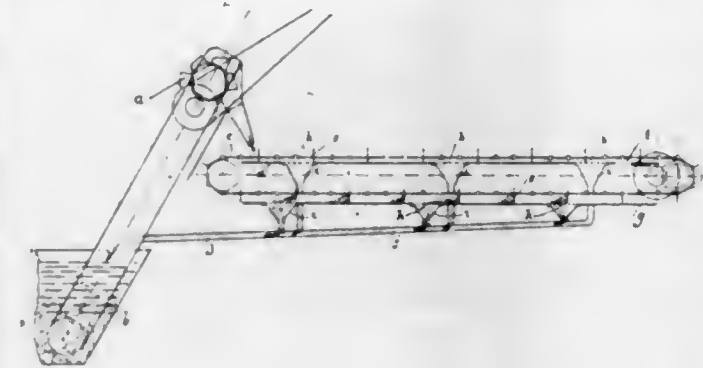


1. A walled structure made up of preformed slabs each comprising a core member of heat insulating material lying between and permanently secured to an outer sheathing and an inner metal lining, one of the walls lying against an edge of another wall, and the sheathing of the latter wall being extended across and engaging with the adjacent edge of the other wall.

1,520,410. MOISTURE-REDUCING PLANT FOR COAL WASHERIES. ANTOINE FRANCE, Liege, Belgium. Filed Mar. 8, 1924. Serial No. 697,891. 2 Claims. (Cl. 210-197.)

1. In moisture reducing plant for coal-washeries, the combination of a storage hopper for the wet coal; a scraper-conveyor including a plurality of moving scraper-plates substantially at right-angles to the longitudinal axis of said conveyor, a stationary upper troughplate parallel to said axis having a slot-like opening cut therein close to one end and a stationary lower troughplate

parallel to said upper troughplate; a plurality of perforated screens arranged at intervals in the said trough-plates; collecting hoppers under said screens for receiving



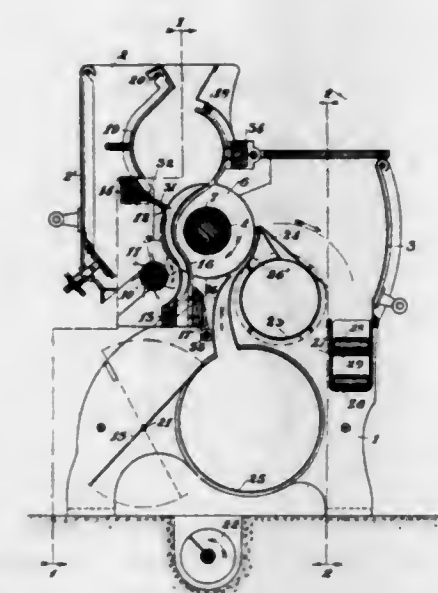
ing the muddy water passing through the latter; and means for removing said muddy water from the base of the last-named hoppers; substantially as described.

1,520,411. METHOD OF AND APPARATUS FOR REMOVING WRINKLES FROM USED NECKWEAR. CARL JOHN FRICKER, New York, N. Y. Filed Nov. 28, 1922. Serial No. 603,885. 3 Claims. (Cl. 223-10.)



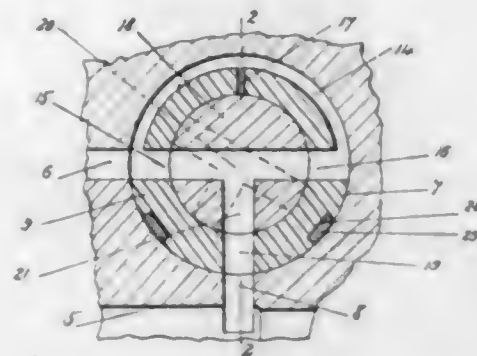
2. A pressing and stretching device for neck ties comprising two superimposed flat members tapered in the same direction and hinged together along one edge.

1,520,412. GIN. JAMES C. GARNER, Houston, Tex. Filed Mar. 17, 1919. Serial No. 283,203. 4 Claims. (Cl. 19-59.)



1. In a machine of the class described the combination of the saws, the means for supplying cotton to the teeth of the saws, the air duct, and the nozzle extending from the duct to point adjacent the saws and arranged to be moved toward and from its working position relatively to the saws through fixed paths.

1,520,413. VALVE FOR CORLISS ENGINES. EDWARD L. GUSTAFSON, Holdrege, Nebr. Filed Aug. 21, 1924. Serial No. 733,346. 2 Claims. (Cl. 121-186.)



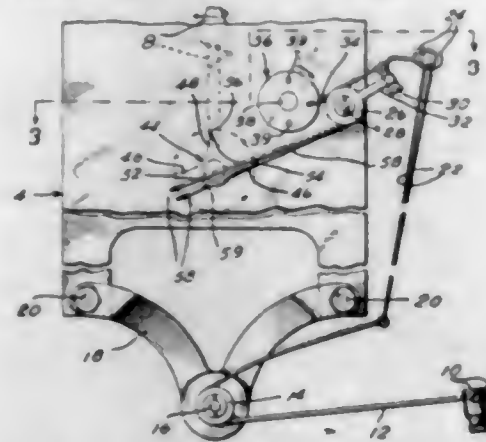
1. The combination, with an engine cylinder having a valve cylinder provided with a steam inlet passage and a steam inlet port leading into the engine cylinder, of a bush secured in the valve cylinder and having an inlet port which registers with the said steam inlet port, said bush having also slots in its sides at diametrically opposite points, a slit arranged diametrically opposite to the said inlet port, and a recess in one side of its periphery which connects the two slots and the slit, one of the said slots being arranged to register with the said steam passage, and a cylindrical steam inlet valve mounted to rock in the said bush and having a cross-passage extending through it and adapted to register simultaneously with the slots in the sides of the bush, said valve having also a passage which connects the cross-passage with the inlet port of the bush when its cross passage is in communication with the side slots of the bush.

1,520,414. LADDER. DON A. HAMILTON, Salt Lake City, Utah. Filed Nov. 20, 1922. Serial No. 602,108. 3 Claims. (Cl. 228-57.)



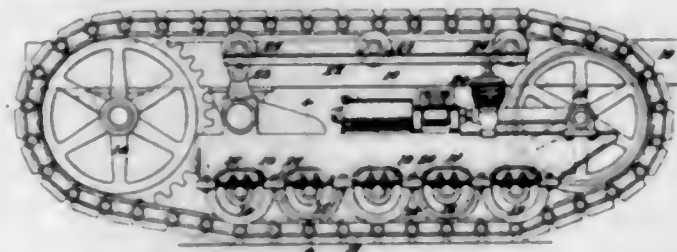
1. In a ladder, a sectional leg comprising a plurality of sections, a projection formed on each end of each section and adapted to interlock with the end of the adjacent section, and clamping elements, each of said clamping elements comprising a plate arranged on the inside of the leg, a bolt carried by said plate and projecting through the leg sections, a plate carried on the exterior of said leg sections and provided with an opening for the reception of said bolt, and pins carried by said exterior plate, said pins being adapted to be received in openings in the adjacent leg sections.

1,520,415. CLOCK. ALBERT P. HODGE, Winsted, Conn., assignor to William L. Gilbert Clock Company, Winsted, Conn., a Corporation of Connecticut. Filed May 15, 1924. Serial No. 713,403. 5 Claims. (Cl. 58-8.)



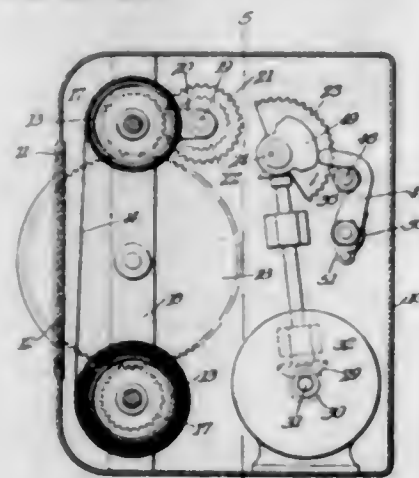
1. In a clock, the combination with striking devices and means for operating said devices to strike the hours, of means for causing said devices to strike on the first and third quarter hours and the half hour.

1,520,416. SPRING-MOUNTED TRUCK ROLLER FOR TRACTORS. PERRY E. HOLT, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Oct. 2, 1919. Serial No. 327,950. 1 Claim. (Cl. 305-9.)



In a tractor truck mechanism of the chain track type, the combination with a truck frame having side plates formed with a series of arch-like recesses in the lower edges, of leaf springs spanning said recesses and connected with the side plates, a series of rollers for supporting the truck frame from the track, and journals for the rollers connected with the springs intermediate the ends of the latter.

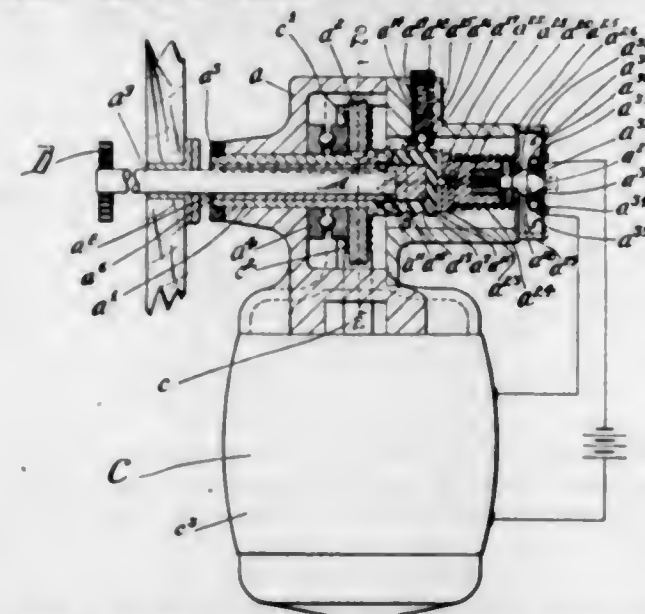
1,520,417. INDICATOR. JOSEPH HUBICKI, Detroit, Mich. Filed Dec. 12, 1921. Serial No. 521,702. 1 Claim. (Cl. 40-53.)



A station indicator embodying a casing having a slight opening, an indicia bearing curtain movable therein across the opening, rollers journaled in the casing upon which the curtain is adapted to be wound, a gearing operatively connecting the rollers, a motor included in a normally open circuit with a source of current, a segmental gear pivoted in the casing to move parallel

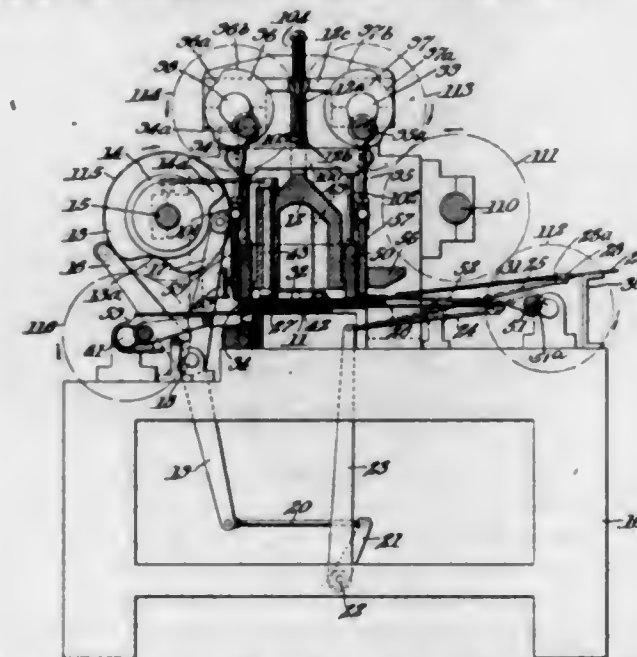
to the plane of rotation of the rollers, a cam element fixed to move with the segmental gear driving connections between the motor and segmental gear, manually operated means whereby to close the circuit to the motor to operate the segmental gear and cause the same to engage certain of the gearing to rotate the rollers a predetermined time, a fixed contact included in the motor circuit, a pivoted contact normally engaging the fixed contact and having one end disposed in the path of movement of the cam and adapted to be moved away from the fixed contact to break the circuit to the motor by the cam after the segmental gear has moved away from the gearing.

1,520,418. WINDING DEVICE FOR SPRING MOTORS. HENRY A. HURLBUT, Cincinnati, Ohio. Filed July 6, 1921. Serial No. 482,793. 8 Claims. (Cl. 185-40.)



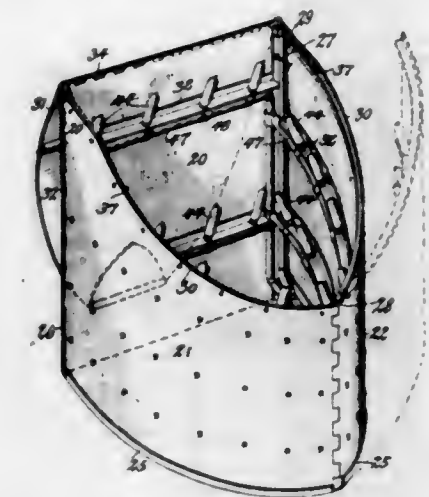
1. In a winding device of the character described for use with a spring motor, the combination of a switch, a longitudinally movable member under the domination of the spring motor adapted to actuate the switch, a main spring tending to hold the said member in its normal position with the switch closed, and an auxiliary device adapted yieldingly to at all times resist movement of said member from either its normal or its abnormal position.

1,520,419. METAL-FOLDING MACHINE. LARSEN ELLSWORTH JONES, Anaconda, Mont. Filed Mar. 3, 1923. Serial No. 622,601. 29 Claims. (Cl. 153-25.)



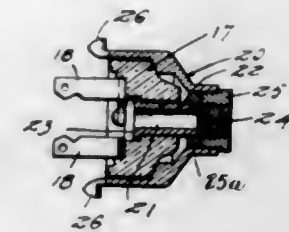
2. In a metal folding machine for making shingles, the combination of a table, a former plate, and mechanism operative to cyclically move the former plate diagonally of the table, then away from the table and then toward the table to its original position.

1,520,420. BATH CABINET. ROBERT J. KIDNEY and SYLVIA L. KIDNEY, Buffalo, N. Y. Filed Sept. 6, 1921. Serial No. 498,828. 4 Claims. (Cl. 174-177.)



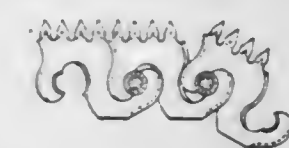
1. A bath cabinet comprising a rear wall and two side walls converging forwardly from the opposite vertical edges of the rear wall and connected with each other at their front ends, one of said side walls being pivotally connected at its rear end with one vertical edge of said rear wall and pivotally connected at its front end with the front end of the other side wall.

1,520,421. ELECTRICAL CONNECTER AND SUPPORTING DEVICE. FRANK E. KOLAR, St. Paul, Minn. Filed June 21, 1921. Serial No. 479,326. 3 Claims. (Cl. 173-330.)



1. In an electrical plug fixture, the combination with a socket and an apertured plug, of a hollow pin rotatable in the plug, an open center housing rotatable on the plug and rigidly connected to the pin, and means for supporting a fixture in connection with the pin.

1,520,422. SAW BLADE. ARVID LIND, Stockholm, Sweden. Filed Oct. 13, 1922. Serial No. 594,334. 3 Claims. (Cl. 143-135.)

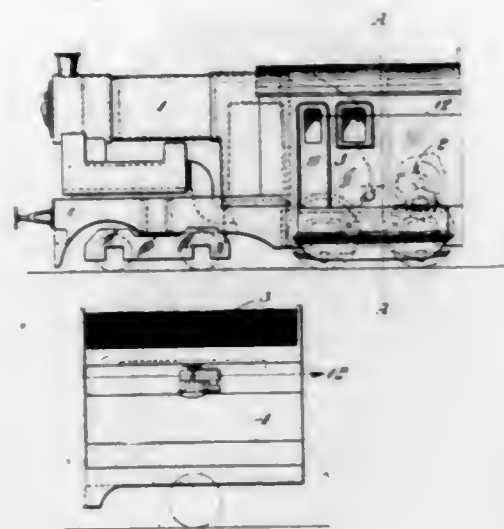


1. A chain saw comprising a plurality of toothed sections having hooked ends with half-circular recesses, and disc-shaped pins engaged by said hooked ends from opposite sides in the same plane and forming journals for them.

1,520,423. LOCOMOTIVE PROVIDED WITH CONDENSERS. FREDRIK LJUNGSTRÖM, Lidingö-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 26, 1922. Serial No. 584,527. 3 Claims. (Cl. 105-37.)

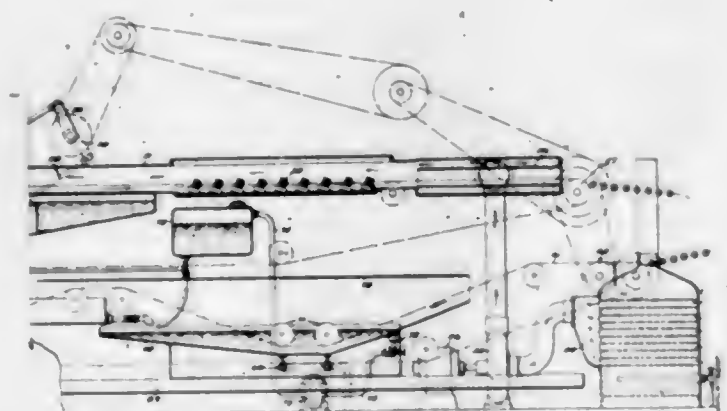
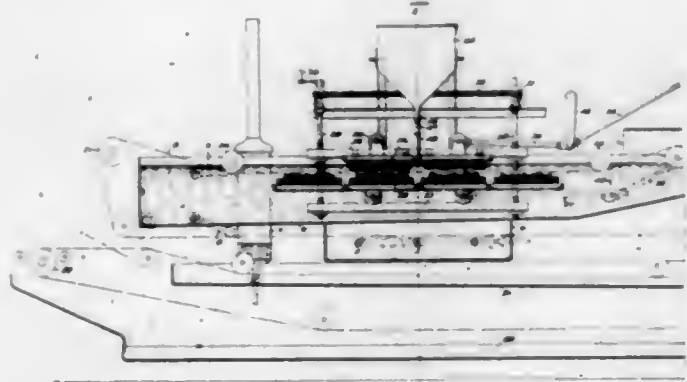
1. In locomotives provided with condensers and in which the driver's cab is situated between the condenser

and the steam boiler of the locomotive, an arrangement characterized by the condenser being situated above a receptacle appertaining to the same at such a height in



relation to the door of the driver's cab that free outlook, rearwards, is obtained from the driver's cab beneath the condenser.

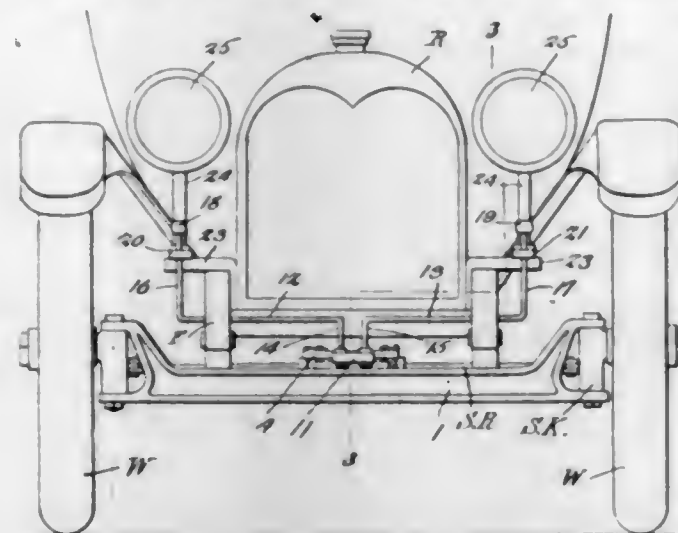
1,520,424. MACHINE FOR TREATING EGGS. CHARLES McCULLOUGH, Berkeley, Calif., assignor to Clara Sears McCullough, Berkeley, Calif. Filed Dec. 6, 1923. Serial No. 678,842. 30 Claims. (Cl. 99-2.)



1. In a machine of the character described, means for washing eggs, brushes over which the washed eggs are moved to wipe collected water therefrom and means for blowing a current of hot air over the eggs to dry them.

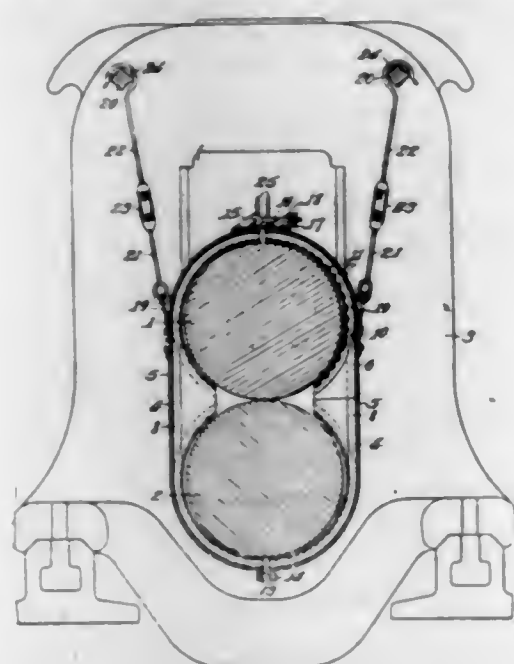
2. In a machine of the character described, a conveyor adapted to carry a tray of eggs, a washing tank through which the conveyor travels, brushes arranged under the conveyor outside of the washing tank to wipe collected water from the eggs, a tunnel through which the conveyor passes and means for passing a current of heated air through the tunnel.

1,520,425. DIRIGIBLE HEADLIGHT. DONALD McKAY, Montgomery, Ala. Filed Mar. 18, 1924. Serial No. 700,138. 2 Claims. (Cl. 240-62.)



1. A dirigible lamp actuating mechanism including ing brackets for connection with the frame of an automobile, lamp carrying bars pivoted at one end on said brackets to swing in a horizontal plane, lamps carried by said bars intermediate the ends thereof, a T-shaped lever to be fulcrumed intermediate its ends on the front axle of the automobile in connection with which the device is to be used, means for pivotally connection one end of said lever with the steering rod of an automobile whereby the lever is shifted on the movement of said rod, horizontally disposed lamp steering rods, the body portions of which are arranged horizontally and which are provided at their inner ends with down turned arms adapted to be engaged with the front end of said lever, the outer ends of said rods having upstanding arms extended loosely through the front ends of said lamp carrying bars and projected above said bars and provided with heads to hold them against withdrawal.

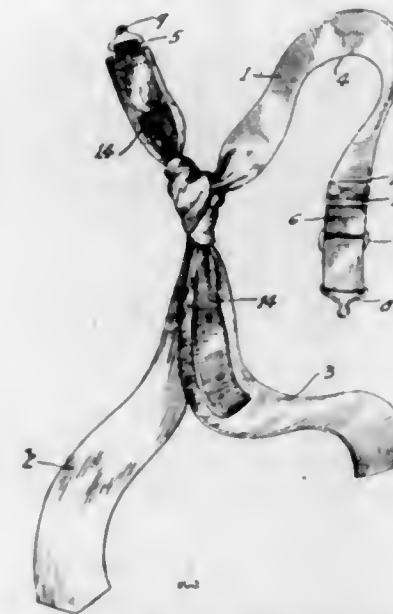
1,520,426. ELECTRICAL ROLL-HEATING APPARATUS. HARLEY C. MOSLEY, Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of West Virginia. Filed Dec. 31, 1923. Serial No. 683,705. 6 Claims. (Cl. 80-41.)



1. A heater of the character described, comprising a pair of complementary heater sections for mounting in jacketing relation to a set of rolls, and means for supporting said sections in such relation, each section comprising frame members shaped in substantial conformity to the roll surface to be embraced thereby, a plurality

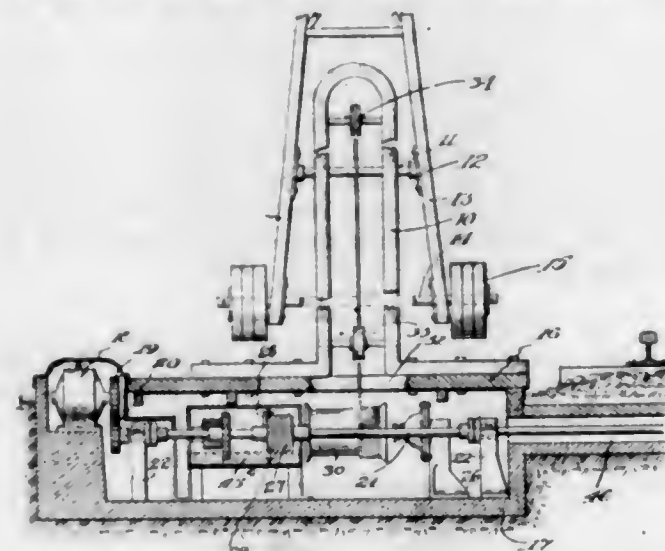
of electrical heating elements carried by said members in positions for lying adjacent to, but out of contact with, embraced rolls, and a heat confining cover supported by said members.

1,520,427. NECKTIE. FRANK M. MULRONEY, Fort Dodge, Iowa. Filed Nov. 1, 1922. Serial No. 598,382. 1 Claim. (Cl. 2-144.)



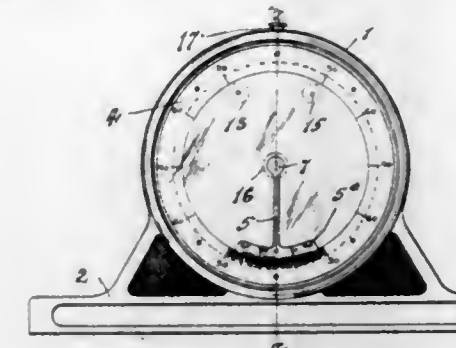
As a new article of manufacture, the heretofore described necktie comprising front and back tying portions and an intermediate neck encircling portion designed to be severed at a predetermined point to form ends, each of which is provided with a member of a separable fastening, and a friction strip attached to the inside surface of the back tying end and extending a sufficient distance along the same whereby one end will terminate close to the severed extremity of the back tying portion and thus insure that said friction strip will be included in the knot when tied, as and for the purpose set forth.

1,520,428. AUTOMATIC RAILROAD-CROSSING GATE. ANNE NELSON, Philadelphia, Pa. Filed Oct. 11, 1923. Serial No. 667,904. 8 Claims. (Cl. 240-128.)



4. The combination with a normally open railroad gate; of a winding drum having a cable wound thereon and connected to the gate to effect closing of the gate upon the cable being wound up, a shaft carrying said drum, a motor driven shaft, normally meshing gears on said shafts, coasting means on said shafts to cause one of the gears to move longitudinally with respect to the other gear and thereby disengage from the last mentioned gear at a point in the operation corresponding to the closed position of the gate and a brake mechanism for the winding drum operable upon completion of the closing movement of the gate.

1,520,429. PENDULUM LEVEL. EDWARD HENRY NEWTON and JOHN SUTTER, Birmingham, England. Filed Jan. 5, 1923. Serial No. 610,897. 3 Claims. (Cl. 33-221.)



1. A clinometer comprising a case, a base having a flat testing surface carried by the case, a pivot pin carried by the case, an indicator carried by such pin, a collar on the pivot pin located on one side of the indicator, a spring device located on the same side of the indicator and adapted to bear on the opposite faces respectively of said collar for normally holding the pointer in any position to which it may have been moved when testing the inclination of a surface, and hand operated means for releasing the pressure of the spring device to permit of free movement of the pointer.

1,520,430. LIP-STICK HOLDER. ARTHUR H. NOBLE, Pawtucket, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Filed Jan. 15, 1924. Serial No. 686,270. 9 Claims. (Cl. 206-56.)

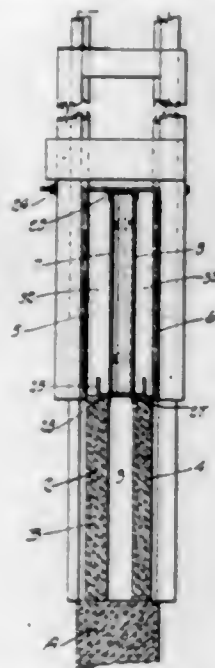


1. In a lip stick holder, a fluted body, a pair of lining sleeves in the body having their inner ends abutting and their outer ends projecting beyond the adjacent body ends, the projecting end of the sleeve at one end of the body having spring fingers with beads thereon, a slitted lip stick holding sleeve frictionally engaged with and slidable in the lining and having teeth struck out therefrom and arranged in spiral relation, a feed screw engaging the lip stick and said teeth, and a cap rigidly secured to the outer end of the screw and having a grooved rim engaged over said beads.

1,520,431. CONCRETE MOLD. GEORGE A. NOBLE, Marysville, Calif. Filed Mar. 23, 1922. Serial No. 545,961. 4 Claims. (Cl. 25-131.)

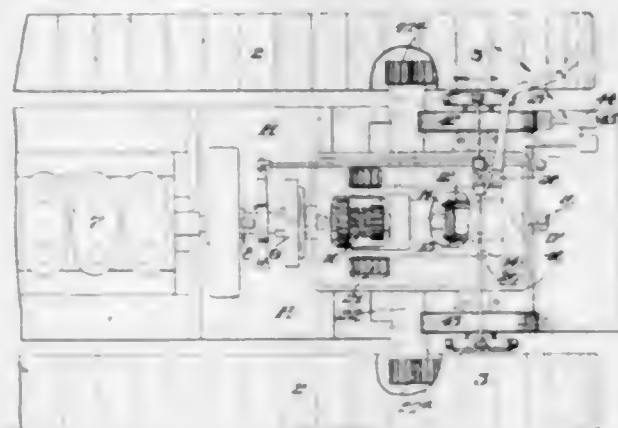
1. A mold for constructing hollow concrete walls, said mold comprising inner and outer rectangular shaped plate-like forms, cross bars having shoulders formed

thereon engageable with the inner and outer mold plates to maintain a predetermined spacing between the same, spreader members interposed between the inner forms, clamping members engaging the exterior forms, vertical



guides for the outer forms in which said forms are vertically movable, and means on the clamps supporting the clamps and outer forms with relation to the inner forms.

1,520,432. TRACTION ENGINE. EMIL F. NOBELIUS, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed July 12, 1915. Serial No. 39,402. 6 Claims. (Cl. 180-9.1.)

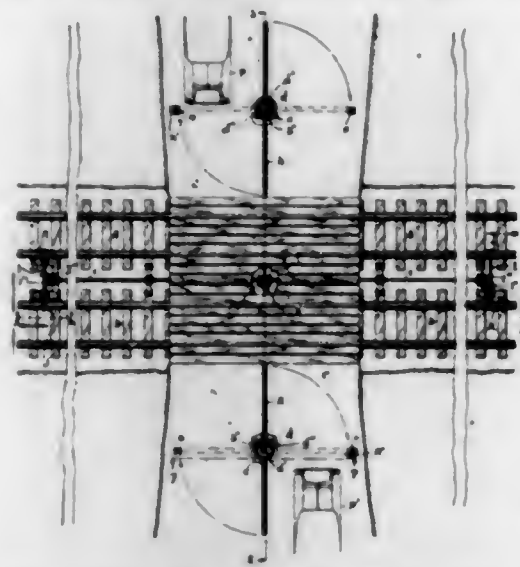


1. In a traction engine the combination with a main frame supported upon a pair of endless, self-laying tracks, a motor and driving connections between the motor and the tracks, said driving connections including a shaft on which is mounted a pair of normally loose gears, means for locking one or the other of the gears to the shaft, a pair of normally loose sleeves on said shaft, a clutch member on each sleeve and a complementary clutch members for each of said sleeve clutch members mounted on said shaft and turnable with said shaft and slidable thereon, means for maintaining the respective clutch members in normal engagement, driving means between the sleeves and the respective track, and means for manipulating the clutches to cause the machine to drive straight ahead or to turn to either side.

1,520,433. AUTOMATIC RAILWAY GATE. PAUL PARNICKY, Kenmore, Ohio, assignor of one-half to Peter Gabalac and one-fourth to Mike Kanuritz, both of Akron, Ohio. Filed Dec. 31, 1923. Serial No. 683,659. 9 Claims. (Cl. 246-293.)

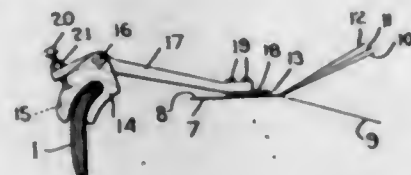
1. The herein described means for operating traffic-control apparatus, the combination with paired lever

members mounted approximately at quadrature upon a common shaft and associated with opposing tracks, of mechanical actuating means, comprising shafts and gear-



ing directly connected with said levers and traffic-control apparatus associated with said actuating means, substantially as set forth.

1,520,434. CLOTH HOLD DOWN FOR LOOMS. JOHN L. PASCHALL, St. Louis, Mo., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 26, 1922. Serial No. 608,852. 1 Claim. (Cl. 139-29.)



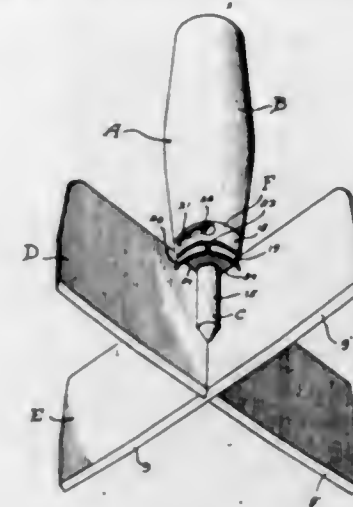
1. In a loom having a breast beam, a takeup roll in the rear of and beneath the breast beam, a cloth hold down comprising a bracket, means for securing the bracket to the center of the breast beam, an arm pivoted in the bracket and extending rearwardly toward the fell, a bar carried by the arm extending each side of the arm and parallel with and immediately forward of the fell in engagement with or close proximity to the upper surface of the cloth, and means for adjustably limiting the upward movement while permitting the downward movement of the arm on its pivot whereby the fell will be maintained substantially straight and be prevented from rising by the bar when the warps are raised in the formation of the shed.

1,520,435. COLLAR AND PROCESS OF MAKING SAME. ADAM PETZ, Montclair, N. J. Filed Mar. 27, 1922. Serial No. 547,088. 1 Claim. (Cl. 139-386.)



A collar formed of one piece of fabric having a plurality of plies, the plies of the turned over portion being separate from each other except at the outer edge and the plies of the neckband being woven together during the greater part of their length but being separate at the ends, the said fabric being shaped to form the collar during the process of weaving the same, and the ends of the collar being returned and secured so as properly close the same.

1,520,436. SEED-POTATO-CUTTING KNIFE. WILLIAM E. PENTON, Roberts, Idaho. Filed June 20, 1924. Serial No. 721,237. 6 Claims. (Cl. 146-209.)

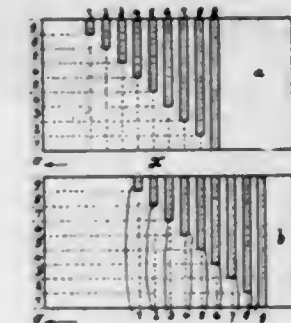


1. In combination with a handle having an axially disposed aligning pin extending from the lower end thereof, interfitting blades having cutting edges, associated with said pin, and means rotatably carried by said handle independent of said pin adapted for interfitting locking engagement with said blades.

1,520,437. PROCESS OF CATALYZING GASEOUS REACTIONS. MARVIN PIRKIN, Fort Meade, Fla. Filed Sept. 29, 1921. Serial No. 504,228. 5 Claims. (Cl. 23-1.)

1. The process of catalyzing gaseous reactions by contacting gaseous mixtures with activated carbon at pressure greater than atmospheric pressure.

1,520,438. CALCULATING MACHINE. REINHOLD ROBERT PÖTHIG, Glashütte, Germany. Filed July 27, 1922. Serial No. 578,014. 3 Claims. (Cl. 235-82.)

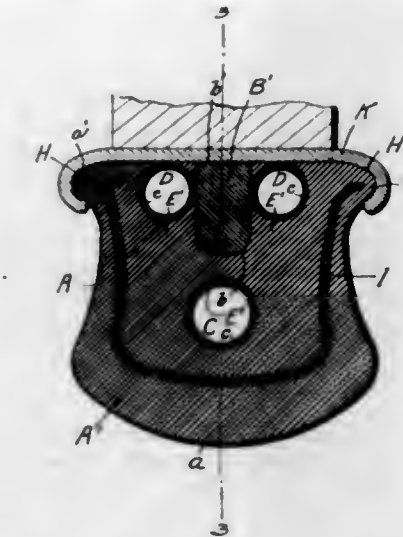


1. In a counting machine of the character described a single drum having two sets of graduated teeth thereon displaced relative to one another, two parallel shafts and a transmission gear on each of said shafts adapted to cooperate with said teeth and spaced apart a distance conforming with the displacement of said sets of teeth.

1,520,439. VEHICLE TIRE. CLARENCE STANLEY PRESTON, San Diego, Calif. Filed Nov. 27, 1922. Serial No. 603,682. 2 Claims. (Cl. 152-1.)

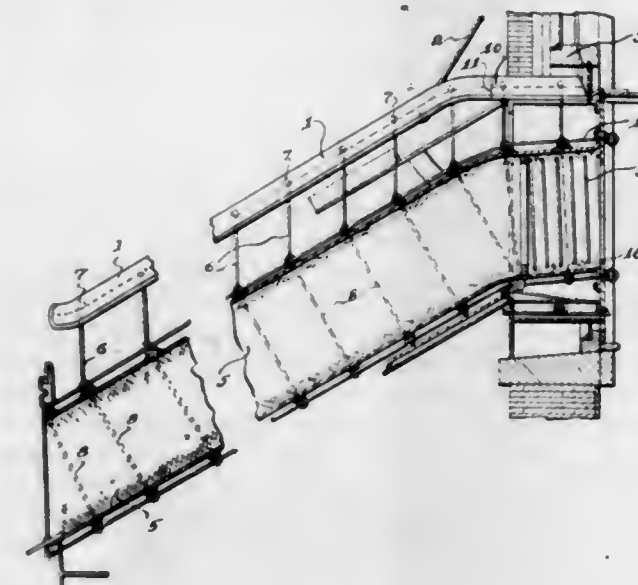
1. A vehicle tire of the solid type comprising a body of resilient material having an annular channel arranged upon its inner periphery, an annular rib arranged in said channel, the body portion also having an annular void, curvilinear in cross section, located centrally thereof and being of substantially the same width as the annular rib, the rib being adapted to project into said annular void under pressure, said body also having two annular voids arranged one on each side of the rib and

in close proximity to the inner periphery of the tire, an annular webs of elastic material formed between the said rib and voids, and connecting with the solid ma-



terial of the tire, whereby said webs, when under load or pressure, will be placed under tension and act to suspend the load and to push the solid material into said voids, thereby increasing the resilience of the tire.

1,520,440. AUTOMATIC FIRE ESCAPE. FRANK F. PYLECK, Cleveland, Ohio. Filed Apr. 16, 1924. Serial No. 706,909. 1 Claim. (Cl. 227-7.)

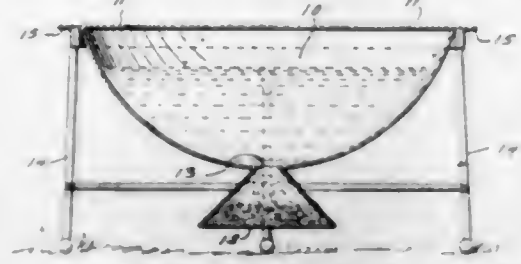


In a fire-escape, the combination with a wall having an opening, a box mounted upon the wall to move to an operating position at said opening, a collapsible chute within the said box, the said chute supported by hangers, pulleys at the top of the said hangers, an inclined track, the said pulleys arranged to move along the said inclined track, braces to fasten the said track to a wall, a short section of track slidably attached to the top of the said box, springs to urge the said short section of track into a central position in line with the first mentioned track when in an operative position, a slot in the door for the cables to pass through, and a spring to give the chute an initial shove outwardly.

1,520,441. DRINKING FOUNTAIN. IRVING V. RANDLE, Merna, Nebr. Filed Dec. 1, 1923. Serial No. 677,976. 1 Claim. (Cl. 119-72.)

In a drinking fountain, a basin formed as a section of a hollow sphere and formed at its upper edge with an outstanding flange adapted for engagement upon a supporting stand, said upper edge being further formed

with an intumed flange preventing splashing of water within the basin, and a sediment receiving chamber formed as a frusto-conical shell member beneath the

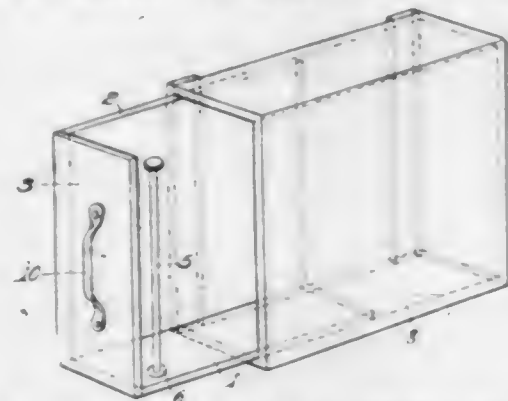


central point of the under side of the basin and communicating therewith through a constricted opening whereby escape of sediment accumulated within the chamber will be prevented.

1,520,442. PRESERVATIVE COMPOSITION. BUEL WELSH RICHARDS, Beach, N. Dak. Filed Aug. 30, 1923. Serial No. 660,240. 3 Claims. (Cl. 134-78.6.)

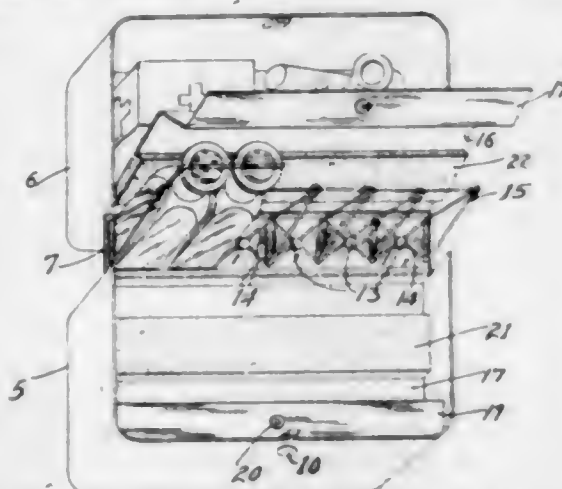
1. The herein described preservative composition formed by mixing wax, tar, acetic acid and sodium carbonate.

1,520,443. FILE FOR CANCELED CHECKS. PAUL RIGOR, JR., Wheeling, W. Va. Filed May 4, 1923. Serial No. 636,521. 2 Claims. (Cl. 129-21.)



1. A file for canceled checks, comprising a rectangular box-like container consisting of a bottom, a single upright side wall and a single upright end wall, said bottom having dimensions exceeding, but approximating, those of checks to be received thereon, and an upright check-retaining post carried by said bottom and adapted for receiving thereon a lower corner portion of checks stacked upon said bottom, said post being located adjacent both to said end wall and to that edge of the bottom which is opposite said side wall.

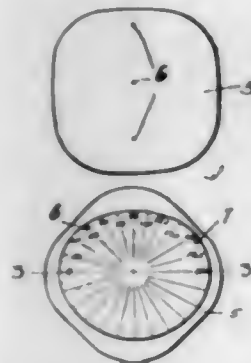
1,520,444. FIRST-AID CONTAINER. CHARLES A. ROMANKA, San Francisco, Calif. Filed Jan. 23, 1924. Serial No. 688,000. 5 Claims. (Cl. 206-124.)



1. In a container of the class described, means for receiving and securing a plurality of bottles, comprising a frame structure including uprights, and means for

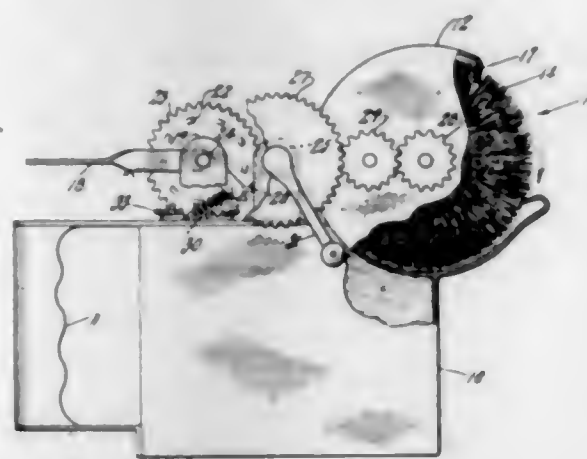
securing a bottle between each pair of uprights, comprising a cord engaging the top of each upright and overlying the cork in each bottle.

1,520,445. LENS PATTERN. WILLIAM B. RUSHMER, Salt Lake City, Utah. Filed Apr. 24, 1920. Serial No. 376,348. 1 Claim. (Cl. 33-174.)



In a lens pattern, a transparent portion cut to conform to the curvature of a lens, said body portion having a plurality of lines radiating from a common center, and said pattern adapted to be used in connection with a lens blank having indicating dots formed thereon, the lines of the pattern being designed for positioning over the dots so that the pattern may be held in a particular manner while the lens blank is being cut.

1,520,446. LAUNDRY SPRAYER. SHUZO SATAKE, Sacramento, Calif. Filed Sept. 22, 1923. Serial No. 664,214. 2 Claims. (Cl. 299-63.)

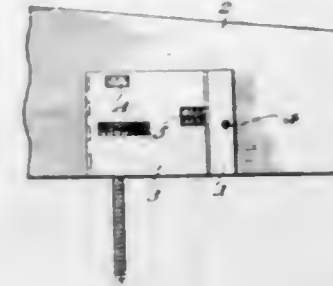


1. A portable laundry sprayer comprising a container, a handle fixed at one end thereof, a cylindrical brush housing formed at the other end of the container and in communication with the same, a rotatable brush mounted in said housing, said housing being formed with a longitudinal discharge opening through which the brush may discharge liquid from the container, means formed on the housing adjacent said discharge opening for causing the bristles of the brush to spray the liquid being discharged when the brush is rotated, a depressible lever mounted on the container adjacent the handle, and an operative connection between said lever and said brush whereby oscillation of said lever will intermittently rotate said brush.

1,520,447. SPEED REGISTER. DEWEY F. SHAFER, Sines, Md. Filed Nov. 2, 1923. Serial No. 672,381. 3 Claims. (Cl. 235-10.)

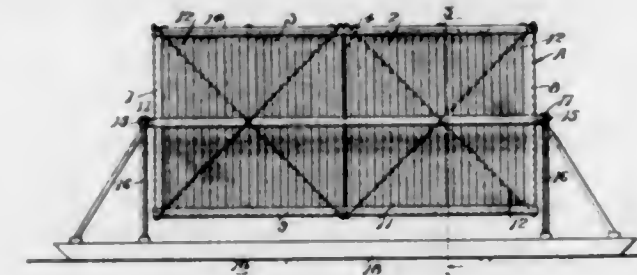
1. An apparatus of the class described comprising a plurality of speed indicating members, means for setting the same to indicate the desired speed limit, a plunger

for actuating the members when a vehicle exceeds the speed for which the members are set, means for actuating the plunger from the speedometer of the vehicle and



means actuated by the plunger for successively bringing the speed registering members into a position where they can be operated upon by the plunger.

1,520,448. REVOLVING NUT-DRYING TRAY. EDWIN A. SMITH, Concord, Calif. Filed Jan. 3, 1923. Serial No. 610,431. 3 Claims. (Cl. 34-47.)



2. A device of the character described, comprising skid members, a pair of end frame members mounted on the skid members, a container disposed between the end frame members and consisting of side sections, end sections, a bottom section, and a cover section, all of said sections being constructed of perforated material, a shaft journaled in said end frame members and extending longitudinally through the container and centrally thereof whereby upon a turning movement of the shaft, the container may be rotated step by step to expose the contents of the container interchangeably through the cover section, the bottom section or either of the side sections, and whereby the cover section may be positioned for opening to effect discharge of the contents of the container, immediately beneath the container and whereby the container may be moved from place to place on said skid members.

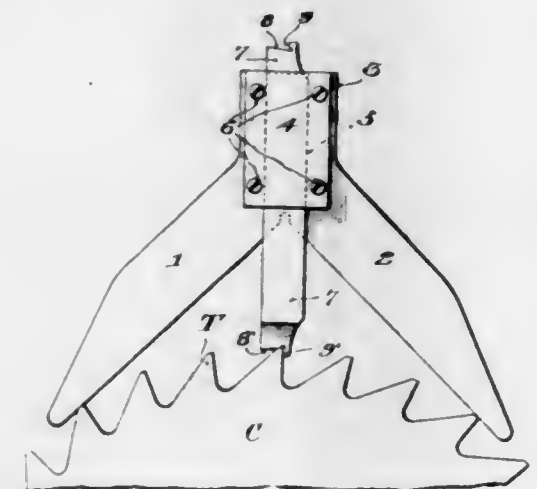
1,520,449. DREDGING APPARATUS. GEORGE SMITH, Baltimore, Md., assignor to Elliott Machine Corporation, Baltimore, Md., a Corporation of Delaware. Filed July 24, 1923. Serial No. 653,465. 5 Claims. (Cl. 37-67.)



1. In a dredging apparatus carried by a scow, the combination of a pair of spaced bracket members secured to and projecting from the scow, a ladder structure, a pair of bracket plates secured to one end of the ladder, sleeves projecting from said bracket plates rotatably mounted in said bracket members, a suction pipe carried

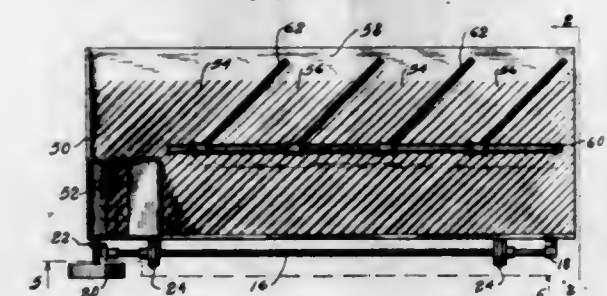
by said ladder having an end extending through one of said sleeves, and a stationary elbow into which the end of said suction pipe projecting through said sleeve extends.

1,520,450. CUTTER CLEARANCE GAUGE. WALTER F. SMITH, Providence, R. I., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Filed Oct. 17, 1923. Serial No. 669,164. 4 Claims. (Cl. 33-201.)



1. In a cutter clearance gauge, a Y-shaped body, a fixed guide on the central arm of the body and cooperating therewith to form a handle, and a double ended slide in the guide having its opposite side faces beveled and its ends formed with angularly related gauge edges.

1,520,451. CONCENTRATING TABLE. EDWIN A. SPERRY, Tientsin, China. Original application filed Oct. 4, 1919, Serial No. 328,458. Divided and this application filed Nov. 1, 1922. Serial No. 602,349. 6 Claims. (Cl. 83-88.)

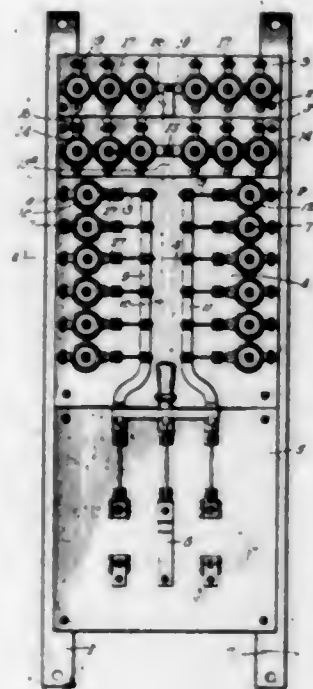


1. Concentrating apparatus comprising a table, means for imparting reciprocating movement thereto in directions at right angles to each other, the table having ridges extending in a direction diagonal to the directions of movement, the table being inclined in both directions of its travel, and means for feeding to the table the material to be treated at a part thereof highest with reference to its inclination in one direction and lowest with reference to its inclination in the other direction.

1,520,452. PANEL BOARD. HENRY F. STARRETT, Chicago, Ill., assignor to Starratt Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1920. Serial No. 372,426. 16 Claims. (Cl. 175-369.)

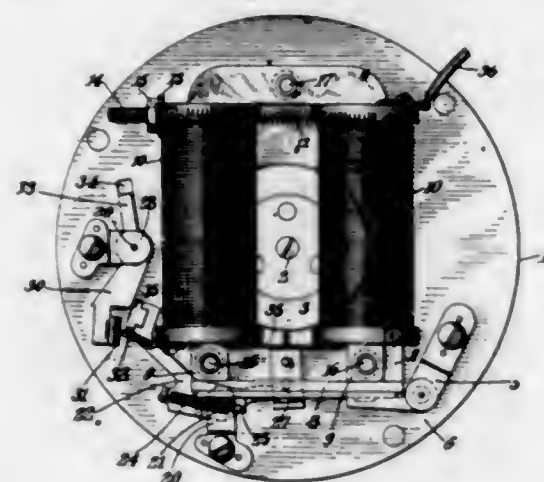
1. In a panel-board, a base section embodying receptacles and having buses mounted thereupon, another base section, embodying receptacles and having a bus

mounted thereupon, adapted for aligned association with said first base, the receptacles on said first-named base being adapted for connection to some of its said buses,



and all those on second-named base section being adapted for connection only to the other bus on said first mentioned base section.

1,520,453. ELECTRICALLY-CONTROLLED TIME-PIECE. LEWIS J. STERN, New York, N. Y., assignor to Sterling Clock Co., Inc., a Corporation of New York. Filed Mar. 23, 1921. Serial No. 454,809. 7 Claims. (Cl. 58-41.)

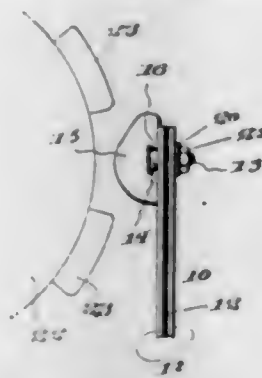


1. The combination of a time piece, an electro-magnet controlling the operation of the time piece, a pivoted switch member controlling the energization or deenergization of said magnet, an armature operated by the magnet and controlled in each of its movements in one direction by the escapement of the time piece, and a coiled tension spring connected at one point to the switch member and at another point to an oscillating part of the armature and adapted to throw the switch in each direction in response to the movement of the armature in each direction.

1,520,454. REMOVABLE CONTACT TIP. RAYMOND SWARTZ, Harrisburg, Pa. Filed July 13, 1922. Serial No. 574,813. 6 Claims. (Cl. 200-171.)

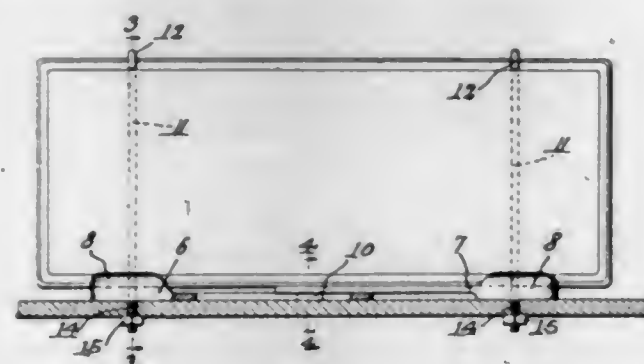
6. The combination with a contact finger; of a support secured thereto, said support having inwardly beveled side edges, a burner tip carried by said support and having a groove in its inner face, the side walls of said

groove being outwardly beveled toward the back thereof to receive said support, the thickness of said member being less than the depth of said groove, the width of



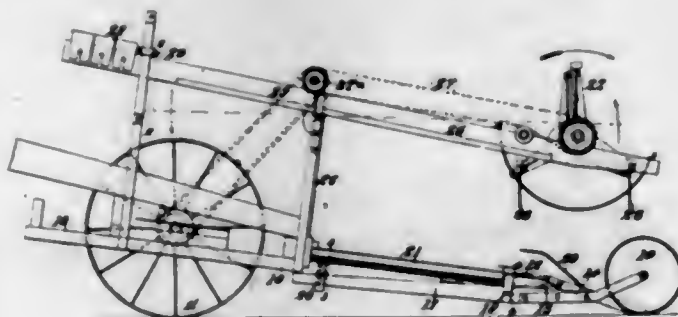
said support approximating the width of said groove at the back thereof, and means including a spring washer for clamping said support to said finger.

1,520,455. LICENSE BRACKET. HARRY WILSON TERWILLIGER, Altoona, Pa. Filed Aug. 29, 1924. Serial No. 735,016. 3 Claims. (Cl. 40-125.)



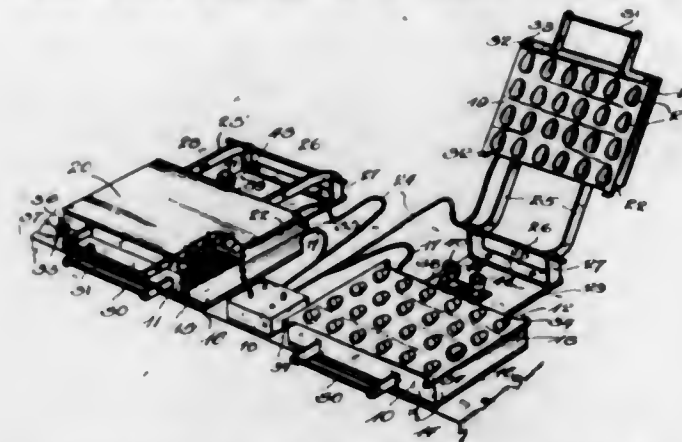
1. A license plate bracket including opposed sections, one of said sections having an elongated opening, the opposite section having a rib disposed in the opening to permit of lateral adjustment of the sections with respect to each other, and securing rods having hooks at their upper ends, and having connection with the sections for securing the sections to a motor vehicle frame.

1,520,456. PICK-UP ATTACHMENT FOR HARVESTERS. LOWELL HALVERSON THOEN, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Oct. 27, 1919. Serial No. 333,521. 3 Claims. (Cl. 56-186.)



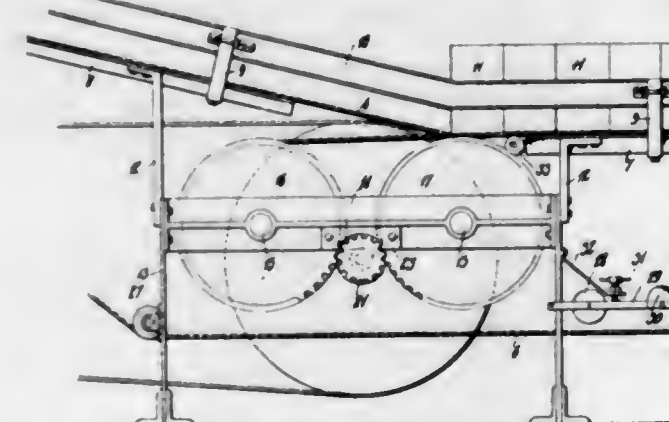
1. In a harvester a grain receiving platform, inclined guide bars projecting from the front of the platform at intervals between the ends thereof and lying in close proximity to the ground, a rotary reel overlying the guide bars, retractile teeth on said reel and supporting arms for said reel pivotally and adjustably mounted on the harvester platform.

1,520,457. CONFECTION-BAKING APPARATUS. EARNST B. VAUGHAN, Long Beach, Calif. Filed May 19, 1923. Serial No. 640,119. 3 Claims. (Cl. 107-66.)



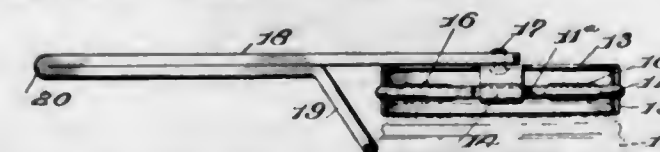
1. Confection forming apparatus, comprising, in combination, a pair of plates having corresponding mould cavities therein, a pair of plates having moulds thereon adapted to enter and to be spaced from said cavities, means to bring the cavities in one of said plates in register with the cavity in the other of said plates when the two are superposed and means to heat said plates.

1,520,458. CABLE DRIVE. FRANCIS E. VAUGHN, Indianapolis, Ind. Filed Apr. 13, 1920. Serial No. 373,481. 3 Claims. (Cl. 198-129.)



1. In an elevating conveyor for cans and the like including a trackway having two separated portions positioned angularly of each other, having spaced side walls and a supporting runway, the combination of an endless cable bearing upon said runway, a direction changing and power mechanism positioned adjacent the trackway separation and including a pair of grooved pulleys positioned with their axes parallel to each other and transverse to the plane including the trackway, said cable when elevating, leaving one portion of the trackway and passing over the nearer pulley and engaging the pulley farthest removed from said last mentioned trackway portion and the angularly positioned portion of the cable having engagement with the nearer pulley adjacent the position where the first mentioned cable portion passes over the nearer pulley, whereby the cans or the like will be transferred from one cable portion to the other without tipping, and power means for driving said pulleys for moving said cable.

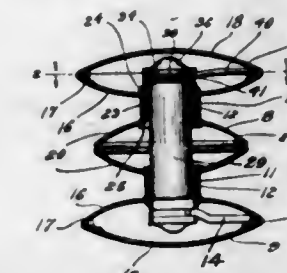
1,520,459. CAN-SEALING DEVICE. CLARENCE VERWAY, Muskegon, Mich. Filed Apr. 17, 1922. Serial No. 553,783. 7 Claims. (Cl. 81-15.)



1. A can sealing device of the character described comprising a carrier plate, a can-top-gripping member having a portion secured to the edge of said plate and a sealing

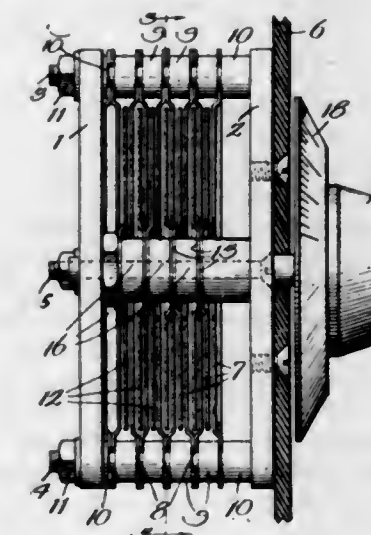
arm pivotally engaging said plate and movable in a circular path, said arm having a downwardly bent portion forming a presser member.

1,520,460. SEPARABLE BUTTON. HENRY WOLCOTT, Providence, R. I. Filed May 27, 1924. Serial No. 716,113. 2 Claims. (Cl. 24-109.)



1. In a separable button of the type set forth, a socket member comprising a hollow head, a tubular post supporting the head, a shoe upon the inner end of the post, a tube supported by the post extending into the head and provided with a lateral slot, a spring member comprising a circular body carried by the head and an arm registering in the slot, a link comprising a body adapted to enter the tube, a head adapted to engage the arm as the link is advanced, and a neck provided with cam faces extending to the periphery of the body adapted to engage and impel the arm.

1,520,461. ELECTRIC CONDENSER. HARRY A. BREMER, Chicago, Ill. Filed Sept. 21, 1923. Serial No. 664,001. 14 Claims. (Cl. 250-41.)



1. An electric condenser including a stationary side and an adjustable side, the stationary side containing plurality of pairs of dished plates with the plates of each symmetrically arranged with their rims together, posts passing through the plate rims, and spacing washers surrounding the posts and interposed between the pairs of plates to space them apart.

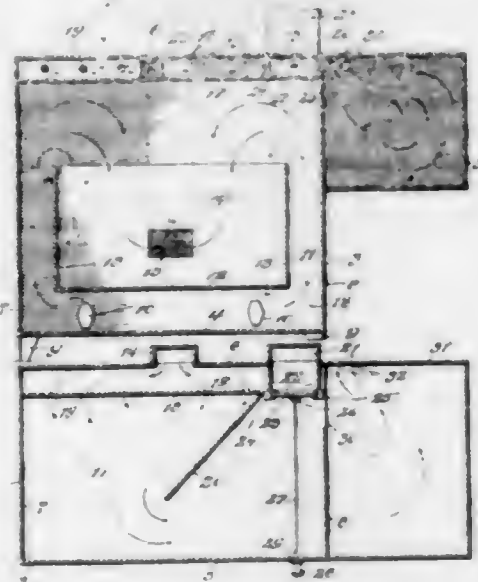
1,520,462. FINGER RING AND METHOD OF FORMING THE SAME. HYMAN BRESLAVSKY, Brooklyn, N. Y. Filed Nov. 10, 1923. Serial No. 674,045. 3 Claims. (Cl. 29-160.6.)



1. The method of forming finger rings from a single piece of material, which consists in forming a blank on each of its ends with diverging wings, bending said wings angularly with respect to the body of the blank, bending the blank into band form with the end of the wings in close proximity, and subsequently securing adjacent wings together to form a gem setting.

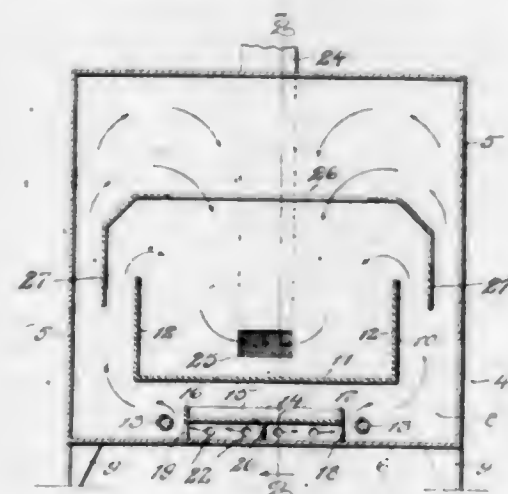
3. A finger ring formed from a single piece of material and comprising a blank of elongated form, adapted to be bent into a finger-encircling band, and a plurality of wings formed on each end of the blank, said wings being angularly disposed with respect to the blank in such manner that when the blank is bent into band-form, the ends of the wings on one end of the blank will meet with the ends of the wings on the opposite end of the blank to provide a gem setting.

1,520,463. RANGE. WILLIAM A. BUSIEK, Belleville, Ill. Filed Jan. 31, 1924. Serial No. 689,618. 1 Claim. (Cl. 126-39.)



In combination with a range, a damper positioned in the path of the products of combustion and means for directing the products of combustion exteriorly relative the range when the damper is in a closed position, a broiler secured to said range, the broiler and range being in continuous fluid communication in the path of the products of combustion through the range and means for directing indirectly the products of combustion from the range to the broiler.

1,520,464. RANGE. WILLIAM A. BUSIEK, Belleville, Ill. Filed Jan. 31, 1924. Serial No. 689,619. 1 Claim. (Cl. 126-39.)



A range comprising an oven secured therein, a heat circulating plate having a longitudinally extending rib approximately central of the lower side thereof, said plate positioned beneath said oven, a source of heat positioned adjacent said heat circulating plate, said heat circulating plate secured to the rear of said range,

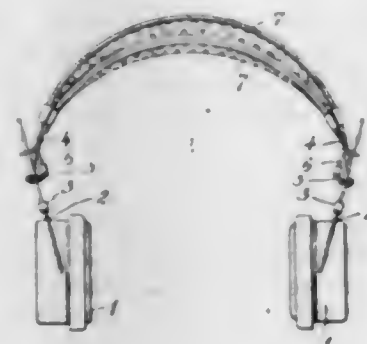
the rear of said range being perforated so that fluid communication is established between the exterior of said range and the spaces formed by the floor of said range and said bifurcated heat circulating plate.

1,520,465. APRON. WILLIAM H. CLARK, Cleveland, Ohio. Filed Apr. 16, 1924. Serial No. 706,901. 4 Claims. (Cl. 2-51.)



2. An apron comprising a body portion having its lower end bifurcated to provide leg portions, portions of the apron being arranged to extend through and cover a major part of the crotch of the wearer, a waist strap on the apron and a crotch strap connecting the crotch covering portion and the waist strap to retain the crotch portion in snug engagement with the body of the wearer.

1,520,466. TELEPHONE HEADSET. OMER EUGENE COTE, Pawtucket, R. I., assignor to Electrical Products Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 8, 1924. Serial No. 697,717. 2 Claims. (Cl. 179-156.)

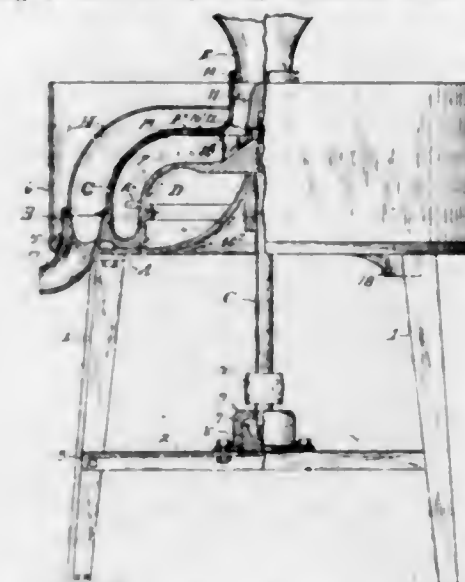


1. In a telephone headset, a head-band comprising a supporting member adapted to be worn on the head of the user, a yoke comprising a continuous piece of wire, the ends of said wire being opposed and adapted to pivotally engage a telephone receiver, said yoke having two substantially straight parallel side portions and a device for adjustably inter-connecting said supporting member and yoke, said device comprising a U-shaped metal punching, each of the legs of said U-shaped punching having notches in which the parallel side portions of said yoke are slidably seated.

1,520,467. CENTRIFUGAL MACHINE. ALBERT D. FRANTZ, Battle Creek, Mich. Filed May 31, 1921. Serial No. 473,967. 6 Claims. (Cl. 210-69.)

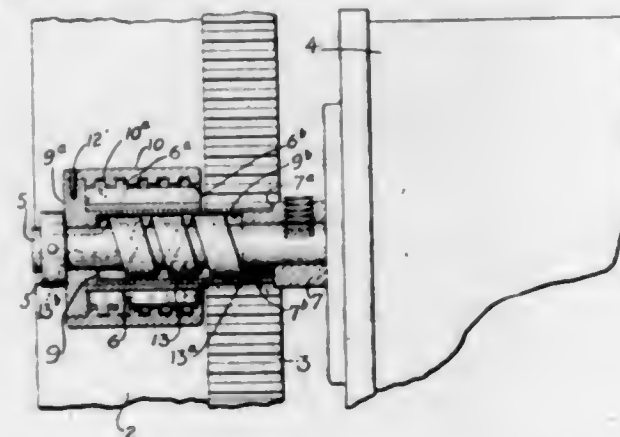
1. The combination in a centrifugal machine, of a rotor comprising an inverted imperforate bowl, a series

of vertically-disposed blades radiating from near its center to its outer edge mounted thereon, a perforate cap having a central opening mounted over said blades,



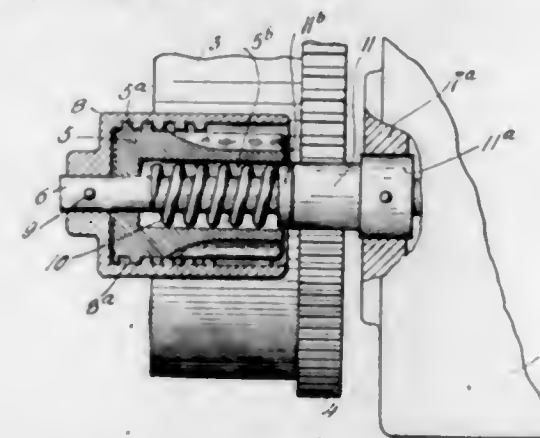
a filtering strainer interposed between said blades and said cap, a stationary convex cap spaced above said rotor, and means to operate said rotor.

1,520,468. ENGINE STARTER. BERT D. GILSON, Chicago, Ill. Filed Sept. 21, 1921. Serial No. 502,146. 3 Claims. (Cl. 74-7.)



1. The combination with an engine and a starting motor, of a pinion on the motor shaft provided with screw threads rising from the outer periphery of the pinion teeth, and a housing covering the pinion and having internal screw threads in mesh with the pinion threads, whereby the pinion is caused to advance along the shaft upon starting the motor and housing.

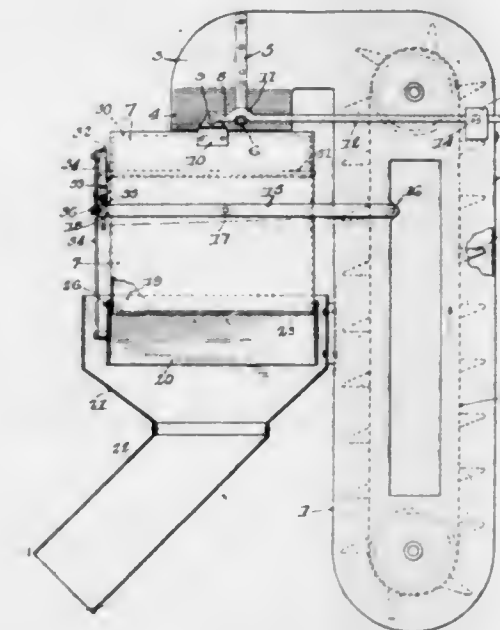
1,520,469. ENGINE STARTER. BERT D. GILSON, Chicago, Ill. Filed Dec. 8, 1921. Serial No. 521,026. 2 Claims. (Cl. 74-7.)



1. In an engine starter, an engine driven member, a motor driven shaft, an internally threaded housing on the shaft, a pinion bearing on the shaft and normally

within said housing, said pinion having a threaded enlargement engaging the housing threads for projecting the pinion axially on the shaft out of the housing and into engagement with said engine driven member, a resiliently compressible member within said pinion and opposing the advance of the pinion after reaching said engine driven member, and means for yieldingly maintaining the pinion in retracted position.

1,520,470. GRAIN-WEIGHING ATTACHMENT FOR THRASHING MACHINES. JOHN C. HEINEKE, Springfield, Ill. Filed July 9, 1921. Serial No. 483,474. 6 Claims. (Cl. 249-22.)

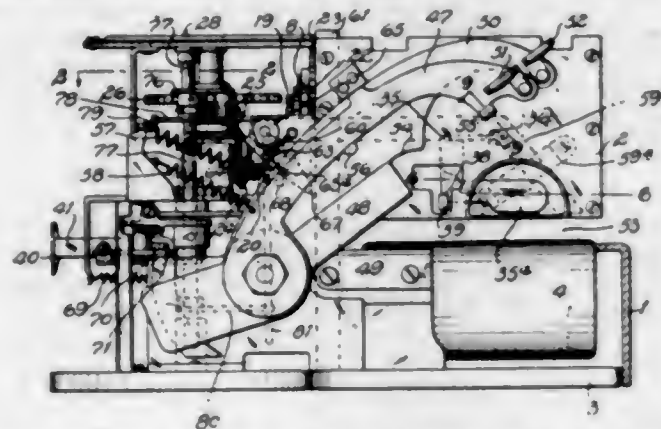


1. A grain weighing attachment for thrashing machines combining a grain receiving hopper divided interiorly into compartments having openings in their bottom portions, a pivoted central beam counterbalanced to support said hopper, outlet valves controlling grain delivery through said openings and interconnected to be alternatively closed and opened, a deflecting valve controlling the admission of grain to said compartments and interconnected with said first mentioned valves to deflect grain to the compartment of which the delivery opening is closed, a latch for securing said valves in either of their alternate positions, a trip operable to release said latch and permit the weight of grain upon an outlet valve to throw said interconnected outlet and deflecting valves to their alternative positions, and a trip operating lever having a fixed pivot adjacent one of its ends, and an intermediate pivot upon said hopper, the free end of said lever being connected with said trip for the actuation thereof.

1,520,471. FABRIC MEASURING AND COST COMPUTING MACHINE. G. CARLTON BOSCH and JOHN L. WHEELER, St. Louis, Mo., assignors to The Measure-graph Company, St. Louis, Mo., a Corporation of Delaware. Filed June 8, 1922. Serial No. 566,690. 22 Claims. (Cl. 33-133.)

1. In a machine of the kind described, the combination of indicating mechanism, a marking device, a hand-operated member for actuating the marking device before the operation of the machine, a second hand-operated member for actuating the marking device after the operation of the machine, a bar for obstructing the feeding of cloth to the machine, means for holding said bar inoperative, means for releasing said holding means

by the operation of said second named hand-operated member, so as to allow the bar to become operative, zero-setting means for returning the indicating mechanism to zero.



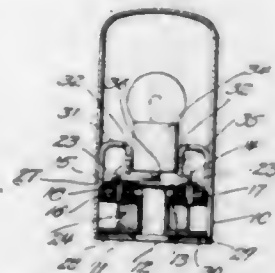
nism to zero, and means for withdrawing the obstruction bar from operation upon the return of the indicating mechanism to zero.

1,520,472. DISPLAY DEVICE. ALBERT E. HURST, New York, N. Y., assignor to Textile Publishing Company, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1924. Serial No. 701,650. 1 Claim. (Cl. 40-125.)



A display device comprising a plurality of flat plates similar in construction and outline so that any number of said plates may be joined together and held in overlapped position to provide a continuous strip, means for detachably holding said plates in overlapped relationship, means for adjusting the positions of the plates relative to one another, said adjusting means comprising a plurality of perforations formed in each plate near its edges and means for entering said perforations and detachably uniting the plates, a continuous flexible flat strip of advertising or display matter adapted to be secured over the plates, said strip corresponding in shape to the joined plates whereby it completely covers one face of the same, and clips for detachably holding said strip in position over the plates.

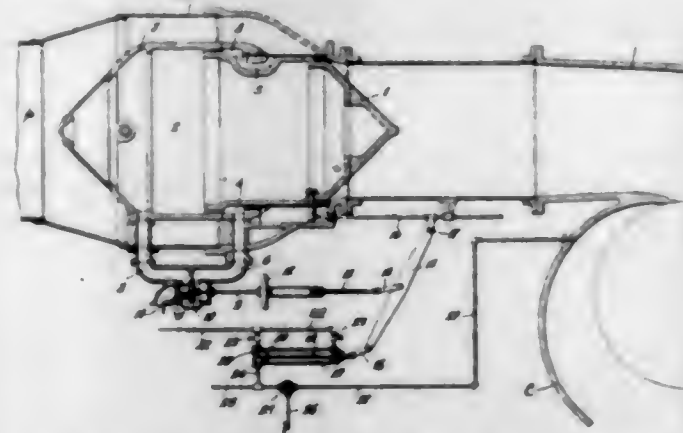
1,520,473. PORTABLE LAMP. ARTHUR C. KLECKNER, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Jan. 27, 1922. Serial No. 532,150. 1 Claim. (Cl. 173-341.)



In a portable lamp, a substantially cylindrical housing, lamp socket contacts within said housing, an inwardly extending flange at one end of said housing, portions integral with said flange at opposite sides thereof re-bent to lie substantially parallel with the walls of said housing and fashioned to form a lamp socket, a magnet coil within said housing, a core for said coil, a disc of magnetizable material at one end of said core and

at substantially right angles thereto, strips of insulating material, one at each side of said disc, hollow rivets extending through said strips for securing said strips, terminals for said coil extending through said hollow rivets, a projection in said housing, notches in said magnetizable disc, said projection being adapted to engage with said notches in the magnetizable disc and insulating strips to determine the rotary position of the magnet assembly within the housing, a split washer, a groove in said housing in which said split washer is inserted, an insulating washer in said groove, said split washer engaging with said insulating washer positioned therebelow for the purpose of maintaining the magnet assembly within said housing, leading in conductors and means for securing the respective terminals of said coil and said conductors to said contacts.

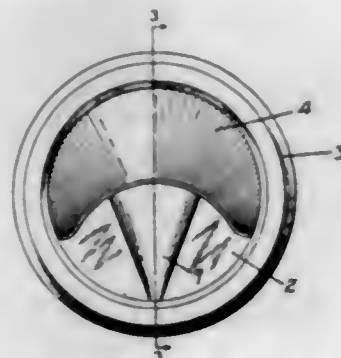
1,520,474. VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company, a Corporation of Pennsylvania. Filed Aug. 29, 1922. Serial No. 584,951. 7 Claims. (Cl. 137-139.)



1. In a system for controlling the flow of a fluid the combination with a conduit, of a main valve for controlling the flow through said conduit, fluid pressure means for operating said valve, and control means for said fluid pressure operating means comprising a control valve, hand operated means for moving said control valve, fluid pressure operated means for moving said control valve, and a restoring mechanism connecting said hand operated means and the fluid pressure moving means to said main valve.

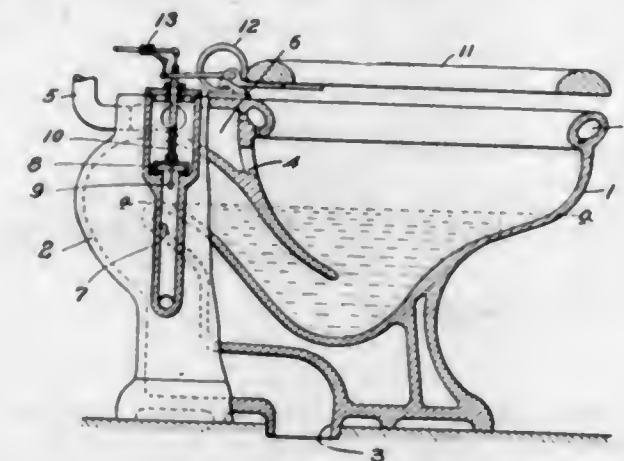
6. In a system for controlling the flow of fluid through a conduit the combination with a main valve, of control means therefor comprising restoring mechanism and a control valve and fluid pressure operating means for said control valve said fluid pressure operating means being connected to said conduit to automatically actuate the main valve upon occurrence of abnormal conditions.

1,520,475. LIGHT DEFLECTOR. CLARK V. MCCARLEY, McClure, Ohio. Filed Sept. 4, 1923. Serial No. 660,893. 3 Claims. (Cl. 240-48.4.)



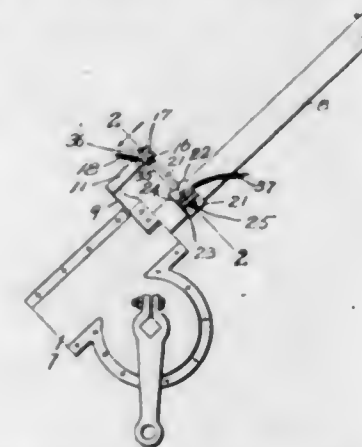
1. In an automobile light deflector, a visor extending from the automobile lamp and a means for deflecting the light to the inner surface of the visor and extending from the bottom of the lamp diagonally upward to the peak of the visor.

1,520,476. WATER-CLOSET STRUCTURE. ROBERT J. McLANAHAN, Woodlawn, Pa. Filed Feb. 6, 1924. Serial No. 690,920. 2 Claims. (Cl. 4-72.)



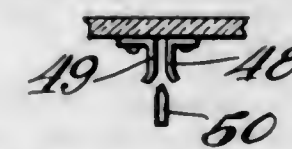
1. An integral water-closet fixture within which are formed a water-closet bowl, a chamber opening to the bowl, a siphon pipe opening from the bowl, and a bypass opening from the chamber first named to the siphon pipe at a level lower than the bend of the siphon, a swinging seat for the bowl, provision for connecting a flushing pipe directly to the chamber above mentioned, and provision for connecting the siphon pipe to the soil pipe, a valve in the by-pass and a nozzle in the by-pass and means operative on the swinging of the seat for opening the said valve and for propelling a jet of fluid from said nozzle.

1,520,477. AUTOMOBILE SIGNAL. GEORGE MEIER-HOEFFER, St. Louis, Mo. Filed Jan. 30, 1922. Serial No. 532,636. 2 Claims. (Cl. 200-59.)



1. An automobile signal comprising in combination with a steering post, and a worm housing surrounding the lower end of said post, stationary contacts mounted on and insulated from said housing, a yoke having a hollow projection secured to said steering post, a headed movable contact carried by said hollow projection, a spring for yieldably securing said movable contact within said projection, and electric conductors secured to said stationary contacts and to said yoke.

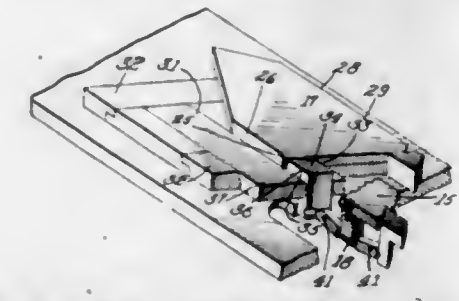
1,520,478. SYSTEM OF OPERATION OF AUTOMATIC TYPEWRITERS AND DEVICES THEREOF. ROBERT WILSON MORE, Chicago, Ill. Filed Apr. 2, 1921. Serial No. 458,101. 26 Claims. (Cl. 197-13.)



1. In a system of the class described, the combination of a cabinet, a manual switching mechanism on said cabinet, automatic switching mechanism adapted to record strip operation, groups of conductors controlled

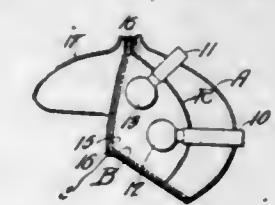
by said switching mechanisms and extending from said cabinet, switches in said cabinet for interrupting and establishing the continuity of said groups of conductors as desired, and handles for said switches extending to the outside of said cabinet for convenient operation by the operator of said manual switching mechanism.

1,520,479. NEEDLE-ACTUATING CAM FOR KNITTING MACHINES. WILLIAM S. PARKER, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 7, 1922. Serial No. 579,986. 5 Claims. (Cl. 66-28.)



1. In a straight knitting machine, the combination with a cam slide having cams for advancing and retracting the needles, the advancing cam being movable into and out of operative position, of a cam supplemental to one of the retracting cams for preventing advancement of the needles from their retracted position, and means for moving said supplemental cam to in-operative position upon movement of the advancing cam to operative position.

1,520,480. HEADLIGHT. WILLIAM A. ROBERTSON, Cleveland, Ohio. Filed May 5, 1922. Serial No. 558,693. 4 Claims. (Cl. 240-41.)



1. A headlight comprising, a case, a concave main reflector in said case, a lamp in said case and having the center of illumination thereof located on the axis of said main reflector, a second lamp in said case within the boundaries of said main reflector and the center of illumination thereof located away from said axis of the main reflector, and sub-reflectors co-operating with and facing said main reflector and both of said lamps; both of said lamps of equal illuminating power, and said reflectors arranged so that the illumination of the first said lamp emits a beam of light from said headlight and that the illumination of said second lamp emits a diffused light from said headlight.

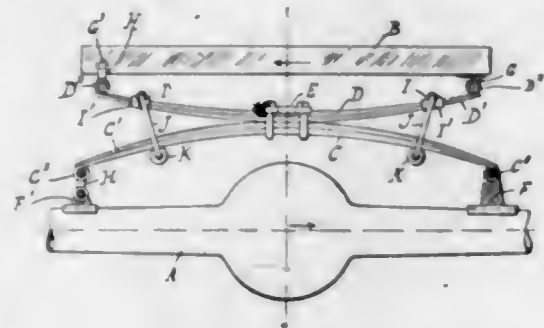
1,520,481. CONTAINER FOR INNER TUBES FOR PNEUMATIC TIRES. WILLIAM J. ROSTERN, New York, N. Y. Filed July 26, 1922. Serial No. 577,516. 5 Claims. (Cl. 150-52.)



1. A container for inner tubes for pneumatic tires embodying two permanently formed compartments, each thereof being provided with an open end, the open ends of said compartments being oppositely disposed and

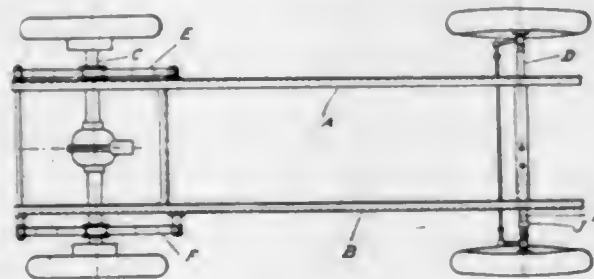
spaced from each other to permit of the insertion of a folded half of an inner tube in each compartment in a manner whereby the valve stem of said inner tube will occupy the space between said compartments.

1,520,482. SPRING SUPPORT FOR VEHICLES. ALBERT F. SHORE, New York, N. Y. Filed Feb. 15, 1921. Serial No. 415,101. 2 Claims. (Cl. 267-45.)



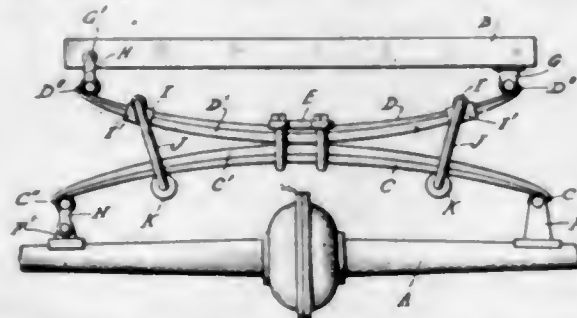
1. In a spring support for vehicles, a leaf spring tapering from its point of anchorage both in thickness and width, said taper being so proportioned that the fiber stress under load is slightly greater near the said point of anchorage than toward its ends, and means against which the spring operates under an increase of load to shorten the distance between the load and support.

1,520,483. SPRING SUPPORT FOR VEHICLES. ALBERT F. SHORE, New York, N. Y. Filed Feb. 7, 1923. Serial No. 617,454. 5 Claims. (Cl. 267-36.)



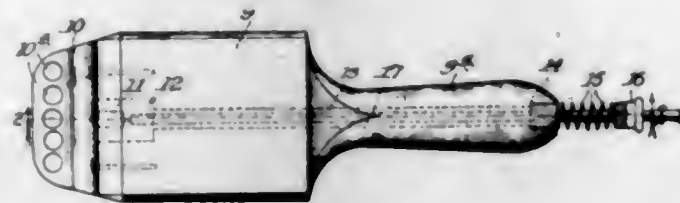
4. A spring suspension system for vehicles, embodying front and rear axles, wheels on said axles, a spring on the rear axle adjacent to each wheel, one of said springs being located farther from the center of the axle than said other spring, springs on the front axle, and an auxiliary spring adjacent to one of said front wheels and adapted to be brought into play under abnormal road shocks.

1,520,484. SPRING SUPPORT FOR VEHICLES. ALBERT F. SHORE, New York, N. Y. Filed Mar. 6, 1924. Serial No. 697,300. 15 Claims. (Cl. 267-47.)



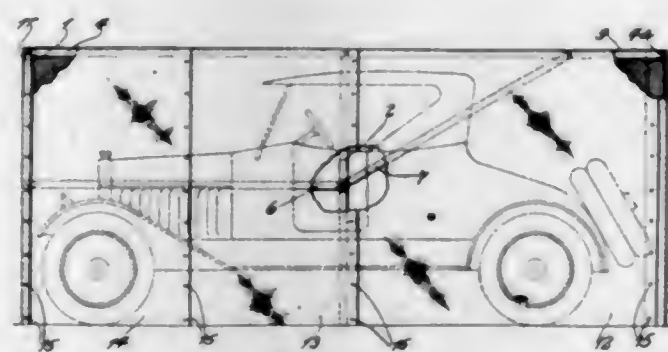
1. In a spring support for vehicles, the combination of a main leaf spring and an auxiliary leaf spring connected with said main leaf spring, one of said leaves being so formed that its moment of resistance and fiber stress is constant, while the other leaf is so formed that its moment of resistance and fiber stress is not constant, but is physically weakest at its point of anchorage in the center.

1,520,485. STATIC-ELECTRICITY-GROUNDING DEVICE. FRANK C. SINGLETON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Mar. 27, 1924. Serial No. 702,297. 1 Claim. (Cl. 125-264.)



A static electricity grounding device comprising, in combination, a contact ball adapted to be secured to an insulated body to be protected, an insulating head carrying a metallic spring clip having jaws provided with a series of pairs of oppositely disposed perforations to grip said ball, said head being of a length to extend a relatively material distance laterally beyond the contact ball when the same is engaged by any one of said pairs of perforations, whereby said parts may be caused to engage at any one of said pairs of jaw perforations without predetermined alignment, and a conductor connected to said clip.

1,520,486. AUTOMOBILE ENVELOPE. WILLIAM SODEMANN, St. Louis, Mo. Filed Apr. 2, 1923. Serial No. 629,374. 3 Claims. (Cl. 135-1.)



1. An envelope for closely confining an automobile, comprising a frame composed of two side series of supporting uprights, and a horizontal top supporting member attached to the upper ends of the series of uprights at each side and extending relatively a considerable distance beyond them in one direction; a top supported by the top supporting members; end curtains extending downwardly from the ends of the top to the floor; and a number of side panels extending downwardly from the top to the floor and having their adjacent vertical edges overlapping.

1,520,487. REFRACTORY ARTICLE. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Mar. 5, 1924. Serial No. 697,027. 2 Claims. (Cl. 106-11.)

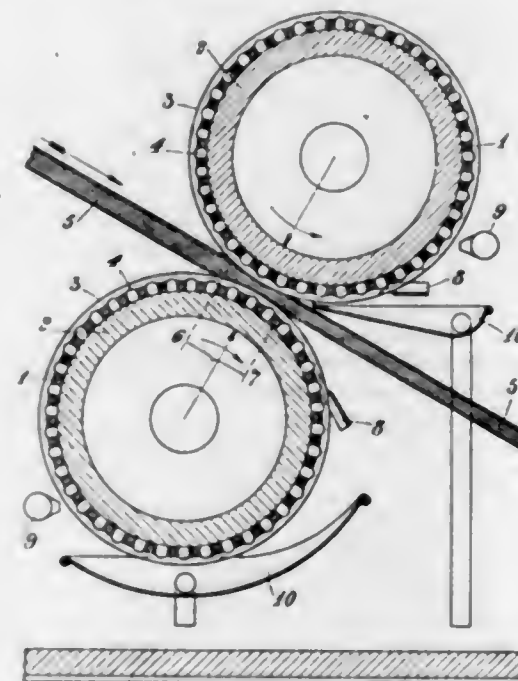
1. A refractory article containing grains of homogeneous fused product consisting of alumina and silica, said material being substantially free from basic impurities and containing more than 5% and less than 35% silica, said grains being of such mixture of sizes to give in the fired article a low porosity, and a bonding material consisting of an alumina-silica compound of approximately the same composition as the fused grains.

1,520,488. SHARPENING TOOL. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Dec. 21, 1923. Serial No. 681,984. 4 Claims. (Cl. 51-205.)



1. A sharpening tool, comprising a body substantially wedge-shaped in cross-section to provide a V edge, said body having a longitudinally extending groove in one face thereof, said groove being relatively narrow with respect to the width of said face, substantially as described.

1,520,489. ROLL FOR ROTARY PRESSING APPARATUS. RUDOLF ERNST WAGNER, Karlstad, Sweden, assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden, a Manufacturing Company of Sweden. Filed Aug. 9, 1920. Serial No. 402,375. 2 Claims. (Cl. 92-49.)



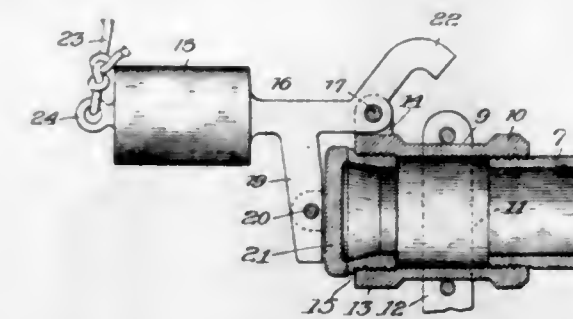
1. A roll comprising a roll body, and a roll jacket around said body provided with generally longitudinal grooves in its inner surface and with circumferential slots in its outer surface communicating with said grooves.

1,520,490. AUTOMATIC CHECK VALVE FOR STORAGE TANKS. GEORGE W. WATTS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Aug. 4, 1923. Serial No. 655,641. 4 Claims. (Cl. 137-21.)

1. In combination with a storage tank, a rigidly-mounted member in said tank having an elevated sup-

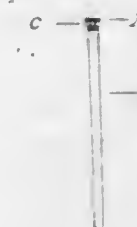
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port, a discharge-pipe passing through the tank-wall, a valve-body attached to the pipe and carried by said



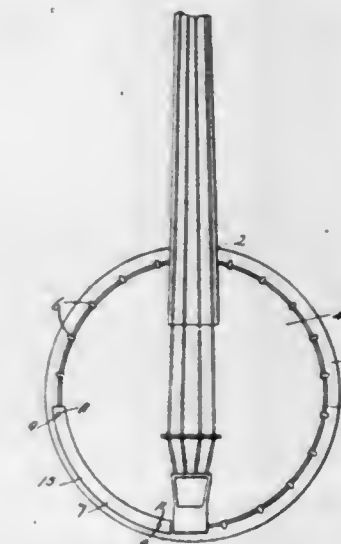
support, said body being adjustable on the pipe to properly cooperate with said support, and a valve for the valve-body.

1,520,491. COMBINED SANITARY TOOTHBRUSH WITH TOOTH-CLEANING MEDIUM. GEORGE H. WEISSELEDER, Milwaukee, Wis. Filed June 18, 1924. Serial No. 720,864. 1 Claim. (Cl. 132-93.)



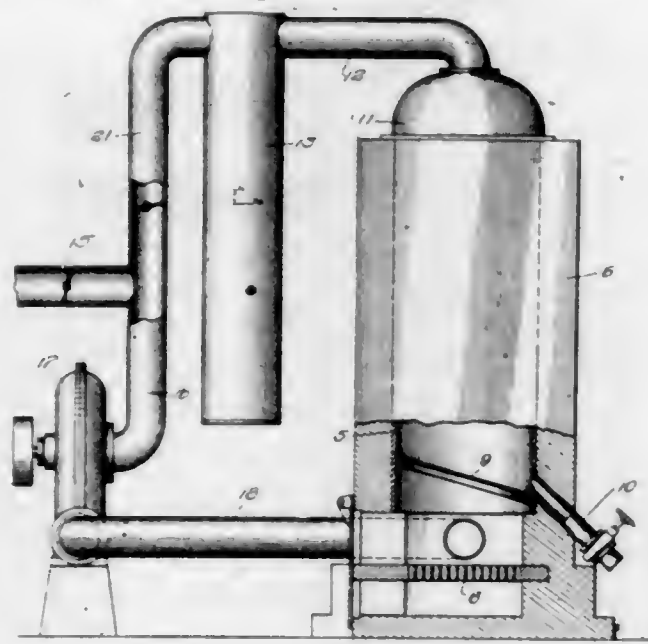
A combined sanitary tooth brush with tooth cleaning medium consisting of a stick of mucilaginous inner layers of red elm (*Ulmus fulva*) bark, commonly known as slippery elm bark, an end of which is charred; the remainder thereof uncharred and the charred end and part of the uncharred remainder adjoining the charred end frayed into fibres, substantially as set forth.

1,520,492. ARMREST-AND SLEEVE PROTECTOR. HARRY W. WEYMANN, Philadelphia, Pa., assignor to H. A. Weymann & Son, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 23, 1922. Serial No. 602,672. 4 Claims. (Cl. 84-228.)



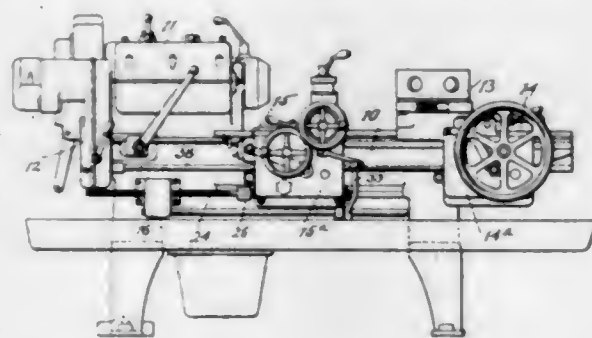
3. The combination with a banjo including a flesh hoop and coacting tension hooks, of an arm rest comprising an arcuate member having an arcuate groove at each end in its bottom face for registration with said flesh hoop and provided with a recess terminating short of the ends of said member, said recess housing certain of the tension hooks of the banjo and means to attach the arm rest to the banjo.

1,520,493. REVIVIFYING FULLER'S EARTH. ROBERT E. WILSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed May 19, 1924. Serial No. 714,316. 2 Claims. (Cl. 252-2.)



1. The method of revivifying spent fuller's earth which comprises initiating local combustion in one part of a bed of spent fuller's earth, causing the combustion to progress therethrough by forcing air into the bed of fuller's earth at the point where combustion is begun, and admixing with said air an inert gas to control the temperature obtained in the combustion of the fuller's earth.

1,520,494. THREAD-CHASING ATTACHMENT FOR LATHES. GEORGE W. DRAKE, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 12, 1921. Serial No. 499,948. 16 Claims. (Cl. 82-5.)

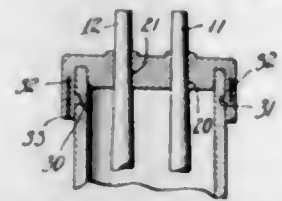


1. A lathe having a bed and a traveling carriage with its apron, and a thread chasing attachment comprising a rotary leader and a follower adapted to be moved into and out of engagement with the leader, one part being supported on the bed independently of the carriage and apron, and the other movable with the carriage and apron and adapted to be rotated by a part carried thereby.

1,520,495. STORAGE-CELL COVER. WILFRED K. FLEMING and ALBERT M. BAEHR, Lakewood, Ohio, assignors to The Cleveland Engineering Laboratories Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 19, 1923. Serial No. 626,194. 7 Claims. (Cl. 136-29.)

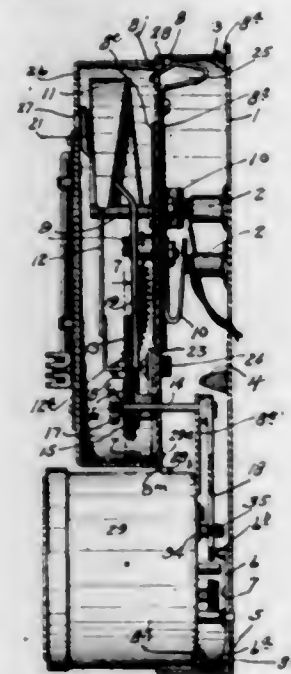
7. A cover for a storage cell having a top portion of electrical insulating material adapted to engage the top of a cell, and having a flanged portion for engaging the side of the cell, there being a shoulder on the flanged portion for locking the cover to the cell, and said

flanged portion comprising resilient material for enabling the cover to be moved longitudinally of the cell and



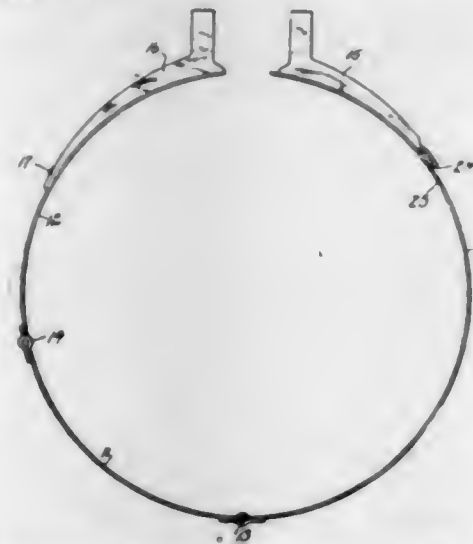
positioned thereon without requiring the cover to be rotated with reference to the cell.

1,520,496. FURNACE REGULATOR. HARRY E. HEINZ, Minneapolis, Minn. Filed Mar. 5, 1921. Serial No. 449,680. 22 Claims. (Cl. 236-46.)



1. A regulator for heating devices having in combination a back plate adapted to be attached to a support, binding posts carried thereby and insulated therefrom, a casing member adapted to be attached to said plate and readily detachable therefrom, binding posts carried by and insulated from said casing, spaced contacts and a thermostatically controlled member connected respectively to said last mentioned binding posts, and spring clips on said last mentioned binding posts adapted to contact with the binding posts on the said plate when the casing and plate are connected.

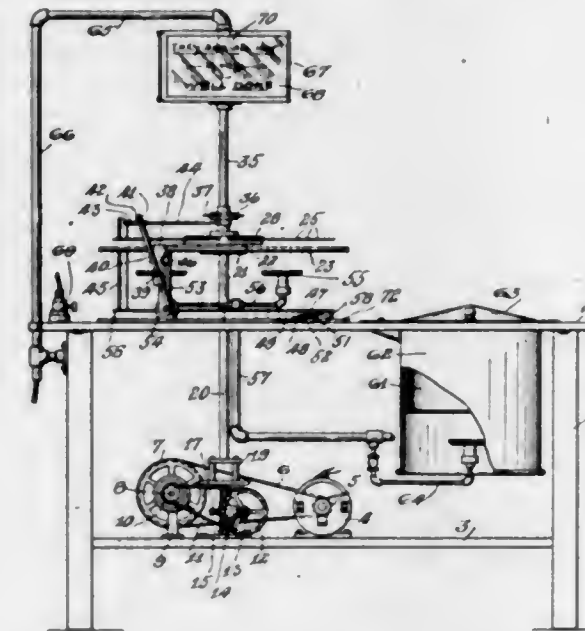
1,520,497. TRANSMISSION BAND FOR FORD CARS. CHARLES A. INGERSOLL, Portland, Conn., assignor to Russell Mfg. Co., Middletown, Conn., a Corporation. Filed Nov. 6, 1923. Serial No. 673,051. 1 Claim. (Cl. 188-249.)



In a multiple-segment transmission-band, the combination with a rigid, substantially semi-circular major-segment substantially corresponding in curvature to the

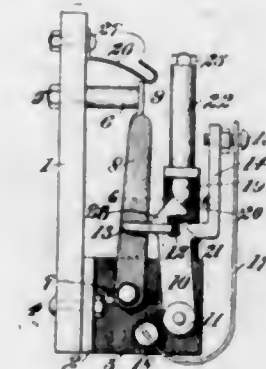
curvature of a transmission-drum of a standard Ford car, of a plurality of shorter segments, the combined length of which is equal to the length of the said major-segment, hinges permanently uniting the said segments, save at the outer end of the said semi-circular segment and the end adjacent thereto of one of the shorter segments, and two removable clamping-lugs, of which the lug applied to the outer end of the substantially semi-circular major-segment is removable.

1,520,498. BROILER. THOMAS A. JENKS and ROBERT O. HAMMOND, Rochester, N. Y., assignors, by mesne assignments, to The Genesee Broiling Machine Company, Inc., Rochester, N. Y. Filed Oct. 24, 1923. Serial No. 670,591. 31 Claims. (Cl. 126-41.)



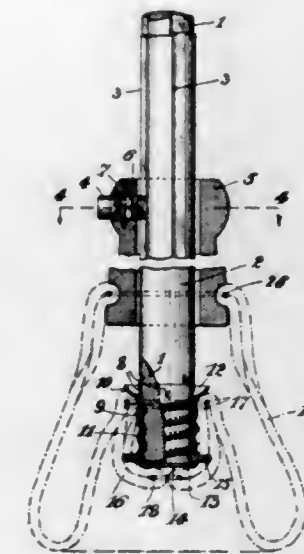
1. In a sausage broiler, a grid, splits arranged substantially parallel with the grid for holding the sausages in spaced relation and in yielding contact with the grid, a support to which said splits are hingedly connected, and means for effecting a relative movement of the grid and said splits to turn the sausages over.

1,520,499. QUICK-ACTING THERMOSTAT. AXEL JOHNSON, Oakland, Calif. Filed Nov. 19, 1923. Serial No. 675,452. 2 Claims. (Cl. 200-138.)



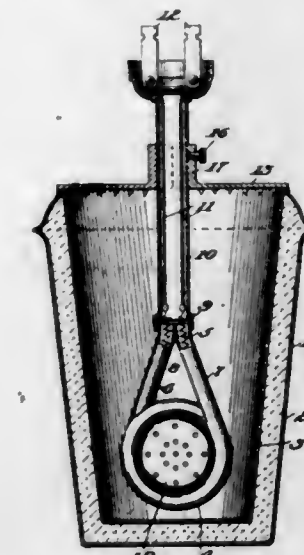
1. A thermostatic control for electric circuits including a stationary contact and an associated contact lever adapted for pivotal movement to and from said stationary contact, a pivotally mounted trigger, a thermostat operatively connected with the trigger, means co-operating with the trigger for accelerating its movement in either direction after being moved to a predetermined point in said direction by the thermostat, and a loose connection between the lever and trigger whereby accelerated movement is imparted to the trigger prior to the operation of the lever thereby.

1,520,500. MOP. CHARLES JUMONVILLE, New Orleans, La. Filed Jan. 31, 1923. Serial No. 616,045. 4 Claims. (Cl. 15-120.)



1. The combination with mop fabric and a mop handle having a threaded extremity, of a socket having means, comprising threads engageable with the threads on the mop handle, whereby said socket may be secured to said handle, and having means, comprising a non-circular annular flange on and about said socket, whereby mop fabric bound to said socket and against said flange is prevented from circumferentially slipping about said socket.

1,520,501. ELECTRICAL FOOD AND BEVERAGE PREPARING DEVICE. MILTON M. KOHN, New York, N. Y. Filed Jan. 22, 1921. Serial No. 440,642. 19 Claims. (Cl. 219-41.)

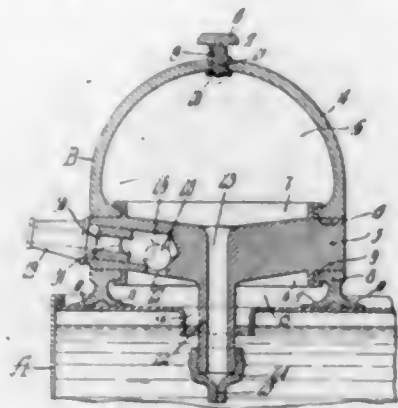


1. An electrical food and beverage preparing device comprising a container, means for supporting the food or beverage producing material within and near the bottom of the container and a heating means surrounding the supporting means.

1,520,502. DISCHARGE CLOSURE FOR LIQUID CONTAINERS. EMIL O. LUNDBLAD, Medford, Mass. Filed June 7, 1924. Serial No. 718,520. 5 Claims. (Cl. 221-23.)

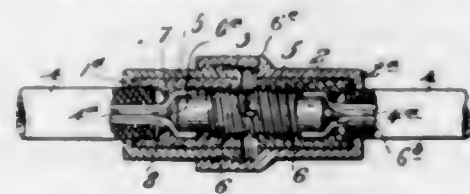
5. A discharge closure for liquid containers comprising, in combination, a body member, suction means attached to said body member and attaching the latter to said container, said body member provided with an air passage communicating with the interior of said container and with a passage to discharge liquid from said

container, a valve for said air passage, a valve for said discharge passage, a discharge nozzle communicating with said liquid discharge passage, a rubber bulb attached to



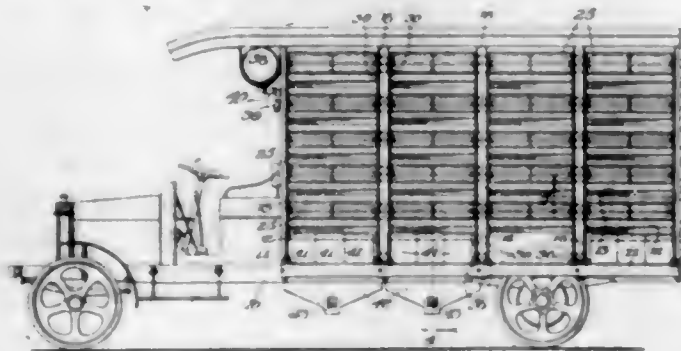
said body member and adapted to force air through said air passage into said container to displace liquid located therein and an air inlet valve for said rubber bulb.

1,520,503. COUPLING FOR ELECTRICAL CONDUCTORS. DAVID B. MILLS, Montclair, N. J. Filed Apr. 19, 1923. Serial No. 633,098. 3 Claims. (Cl. 173-268.)



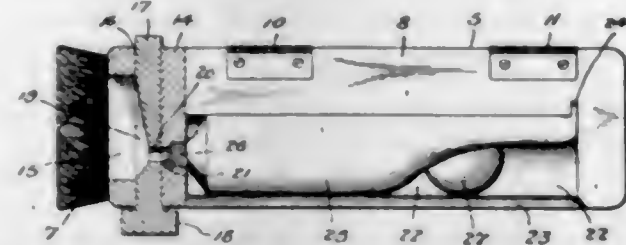
2. A coupling for electric conductors comprising complementary coupling members having means to detachably connect them, and provided with bores, sleeve members fitted in said bores, said sleeve members having bores and inner apertured walls providing seats for conductor wires, screws fitted within said sleeve members adapted to force the wires to said seats to secure the wires to the sleeve members and make electrical contact between the wires and the screws, said screws having their outer ends exposed at adjacent ends of said sleeve members to contact one another within the coupling members when the coupling members are assembled.

1,520,504. TRUCK FOR TRANSPORTING LIVE POULTRY. FRANK N. MUDD, Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company, a Corporation of Delaware. Filed June 15, 1922. Serial No. 568,510. 5 Claims. (Cl. 119-12.)



1. A truck for transporting live poultry comprising a light and air admitting and dirt discharging shaft extending vertically through the top and bottom of the truck, a plurality of compartments arranged on each side of said shaft and extending thereto at their rear, each of said compartments having an opening at one side of the truck, a door movable to close each of said openings, said compartments and doors being arranged in tiers, and means for simultaneously locking the doors in each tier in closed position.

1,520,505. BRUSH. ASAKICHI NAKAHARA, Seattle, Wash. Filed Mar. 19, 1923. Serial No. 625,972. 1 Claim. (Cl. 15-135.)



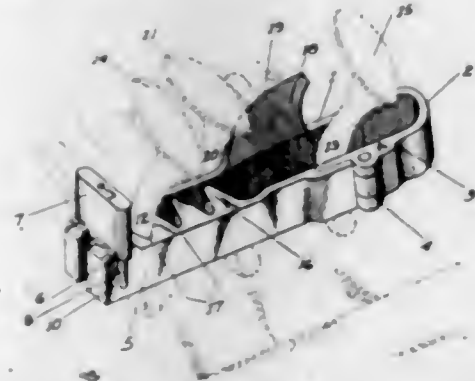
A brush of the character described comprising a base and a cover member, hinges connecting said members, locking means for said members, a head on said base member, dauber bristles on said head, said base and cover members having a longitudinal chamber disposed therebetween, said head having a passageway communicating between said chamber and said dauber bristles, a collapsible tube within said chamber having its neck threadedly secured within said passageway and its tail secured within a recess, said base and cover members having a longitudinal complementary slot in inter-communication with said longitudinal chamber, a ball within said chamber adapted to be manually pressed against said collapsible tube through said longitudinal slot to force its contents through said passageway to said dauber bristles, and a stopcock for controlling the passage of said contents from said tube.

1,520,506. CHLORINATION OF HYDROCARBON GASES. ELMER H. PAYNE and SAMUEL A. MONTGOMERY, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Original application filed Aug. 18, 1920. Serial No. 404,318. Divided and this application filed Feb. 19, 1923. Serial No. 619,932. 5 Claims. (Cl. 260-166.)

1. The process of chlorination which consists in simultaneously bringing together chlorine and hydrocarbon gases in the presence of a porous catalyst comprising chlorinated hydrocarbon material at about 300° F.

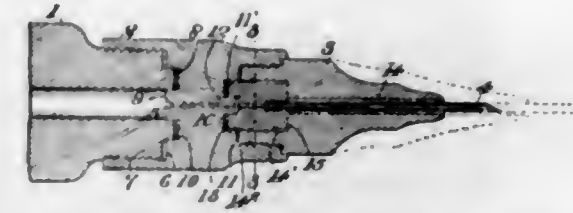
5. The liquid chlorinated product resulting from the chlorination of the hydrocarbons of pressure still gases at 300° F., alkali treatment and distillation, and having a specific gravity approximating 1.364 and a distillation range of about 134° F. to about 380° F.

1,520,507. FORD TRANSMISSION LOCK. GEORGE B. PHILLIPS and ALFRED A. CLEMENS, Shawmut, Calif. Filed Oct. 9, 1923. Serial No. 667,450. 7 Claims. (Cl. 70-126.)



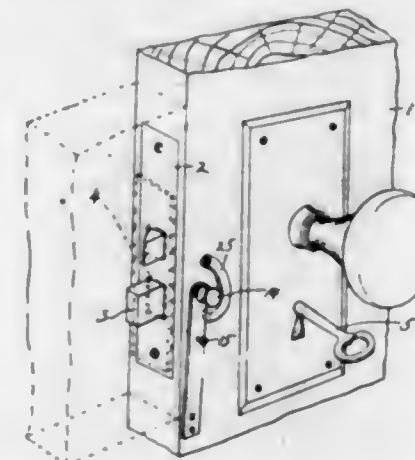
1. An automobile pedal locking device comprising a structure having openings to receive the stems of the brake and clutch pedals of the car therethrough, and a cam projecting forwardly from said structure and having a vertical edge disposed in a horizontal plane at an angle to the longitudinal plane of the car, the reverse pedal stem being adapted to abut against said edge at any point in the length thereof, whereby the distance said stem will be moved ahead of the others will be varied.

1,520,508. COUPLING. FRANK L. PLATT, GEORGE N. HEIN, and ROBERT R. IMPET, San Francisco, Calif. Filed May 27, 1922. Serial No. 564,122. 6 Claims. (Cl. 128-216.)



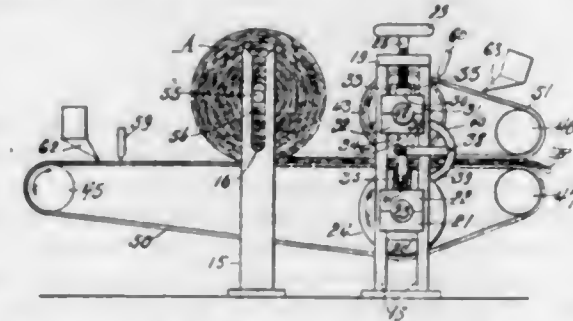
1. A hypodermic syringe including a tubular needle tip threaded on its inner end and provided with a needle receiving bore extending therethrough, a hypodermic needle for reception in said bore and provided with a centrally chambered base adapted to project beyond the inner end of the tip, a channeled member provided with a threaded flange for engaging the threaded end of the needle tip on the uniting of said parts by a relatively rotary movement, a metallic packing with which said needle base is adapted to contact with a wiping action on the uniting of said tip and member and the clamping of the needle base between the same, and means for holding the said needle and base to rotate with said tip on the assembling of the parts.

1,520,509. BURGLARPROOF LOCK. NAPOLEON RANCOUR, Highland Park, Mich. Filed May 10, 1922. Serial No. 559,710. 9 Claims. (Cl. 70-14.)



1. The combination with a lock having a sliding bolt, of a reciprocating plunger, spring means for moving said plunger into engagement with said bolt to retain the same in locked position, and movable means engageable with said spring means for retaining said plunger out of engagement with said bolt.

1,520,510. PROCESS OF MAKING SHOE COUNTERS. ROLAND B. RESPER, New York, N. Y., assignor to Respro, Inc., Providence, R. I., a Corporation of Rhode Island. Filed May 17, 1922. Serial No. 561,741. 3 Claims. (Cl. 18-56.)



1. That process of making shoe counters which comprises forming a bat of unspun fibres, saturating the bat with a binding agent, drying the bat, subjecting the dried

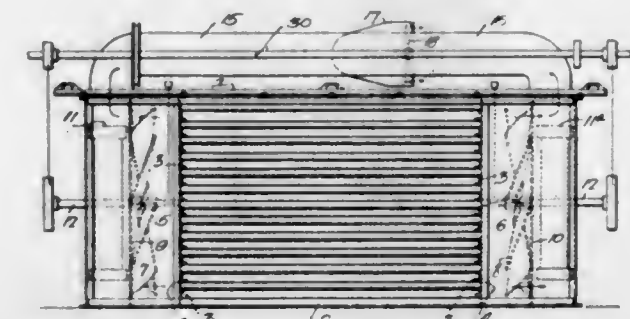
bat to tension to make it porous, coating the dried and stretched bat with a binding agent, cutting a suitable shape from the bat, pressing said shape to form a shoe counter, and treating the counter to cause it to retain its shape.

1,520,511. DRIP CATCHER. JOSEPH D. REYMORE, Otego, N. Y. Filed Nov. 22, 1923. Serial No. 676,367. 4 Claims. (Cl. 137-111.)



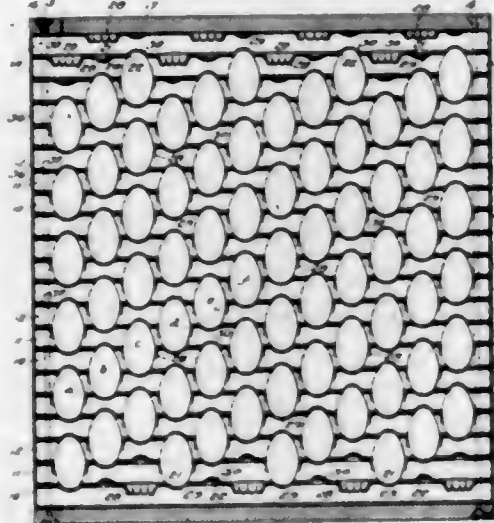
1. In combination with a vertically slidable discharge member, a means to catch material dripping therefrom, and means to urge the first mentioned means into catching relation to said member.

1,520,512. DRIER. WILLIAM H. RIEHL, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 3, 1923. Serial No. 636,389. 6 Claims. (34-39.)



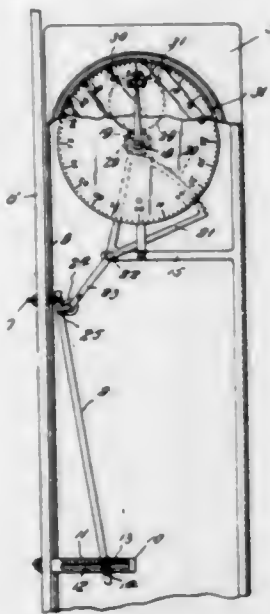
1. The combination of a casing; a drying compartment therein having a series of supports; frames on which rugs, or similar articles, to be dried are secured, said frames being located in the drying chamber in a horizontal position and one above another; circulating chambers at each end of the machine beyond the drying chamber; a fan in each circulating chamber, one fan being located at one side in one circulating chamber and another fan being located on the opposite side of the other circulating chamber so that the air will be drawn through one side of the drying chamber in one direction and through the other side of the drying chamber in the opposite direction; and means for heating the air in circulation.

1,520,513. EGG CONTAINER. NICHOLAS SANDOR, Dresden, Germany. Filed Dec. 27, 1920. Serial No. 433,333. 12 Claims. (Cl. 217—35.)



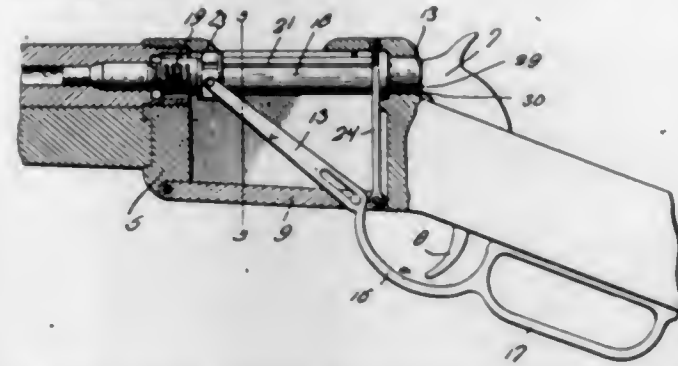
1. An egg crate including a plurality of trays having resilient tongues to engage and support the eggs, characterized by the provision that when the crate is assembled, said tongues in vertical rows alternately engage in periodical succession, the bottoms, middles, and points of the eggs.

1,520,514. REGISTER FOR LIQUID PUMPS. ELIJAH C. SNODGRASS, Lubbock, Tex. Filed Mar. 25, 1924. Serial No. 701,871. 1 Claim. (Cl. 235—61.)



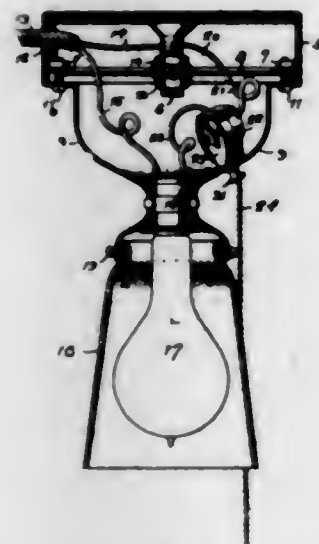
In combination with a register including a dial and having a hand mounted for movement over the dial, a lever pivoted adjacent the register, means operatively connecting the lever with the hand to swing the hand simultaneously with the swinging movement of the lever, said lever being provided at its free end with spaced fingers and having a roller journaled between said fingers, a rod mounted for movement transversely of the register, a bar carried by the rod, a second rod adjustably connected with the bar and disposed approximately transversely of the bar, a bolt pivotally connected with the second mentioned bar and connected with the first mentioned bar at a fixed point, the second mentioned bar being received between the fingers of the lever and bearing at its edge against the periphery of the roller, the parts being so arranged that the angle of disposition of the second rod with relation to the first mentioned rod may be changed by adjusting the second mentioned rod along the bar and whereby the swinging movement of the lever may be varied during the longitudinal movement of the first mentioned rod.

1,520,515. BREACH-CLOSING AND GUN-FIRING MECHANISM. WILLIAM H. STORER, Casper, Wyo. Filed Apr. 5, 1924. Serial No. 704,475. 1 Claim. (Cl. 42—16.)



A gun breech closing mechanism comprising a bolt mounted for longitudinal movement in alignment with the breech opening, means carried by the bolt for engaging in the walls of the breech opening when the bolt is turned, a plate pivotally mounted adjacent the breech opening, a lever fulcrumed upon the plate and having pin and slot connection therewith, a guide member pivoted to the lever and loosely mounted upon the bolt, means for directing the guide member toward and away from the breech opening, and means connected with the bolt and the plate for turning the bolt as the plate is swung upon its pivot.

1,520,516. LIGHTING FIXTURE. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 16, 1921. Serial No. 477,955. 3 Claims. (Cl. 240—123.)

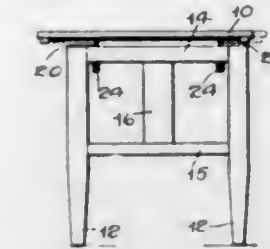


1. An electric lighting fixture comprising a canopy, a lamp socket mounted therein, and an independent switch housed within the canopy, said switch comprising an insulating body, a supporting bracket lying against and mounted on the exterior of said body, and means exterior to the canopy and engaging a bracket element to mount the switch on the canopy, the latter being pierced to accommodate said switch-mounting devices.

1,520,517. TABLE WITH DETACHABLE TOP. WILLIAM S. THOMASON, Norfolk, Va. Filed Dec. 24, 1923. Serial No. 682,426. 2 Claims. (Cl. 45—31.)

1. In a table, a table top, a pair of supporting members therefor, each including a transverse rail, each rail having a plurality of vertical bores, a pair of strips attached to the under face of the table top and extending transversely thereof, each strip having a plurality of keyhole slots therein, a plurality of locking bolts disposed in the bores of each of said rails, each bolt having a head, the head being adapted to be disposed in the keyhole slot and in-

terlock therewith when the table top is shifted in one direction, and manually operable means associated with each bolt whereby the bolt may be longitudinally shifted in either direction and held in its shifted position to



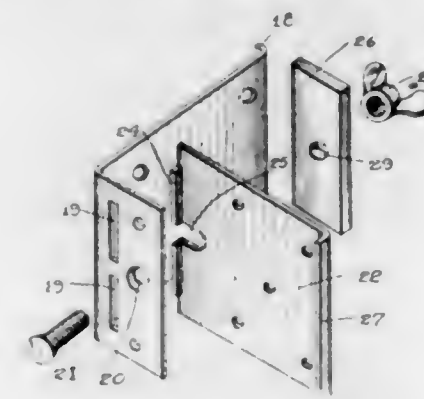
thereby permit the projection of the heads of the bolts beyond the rails while the table top is being engaged with the bolts and the retraction of the bolts to hold the table top in engagement with the supporting members.

1,520,518. COUPLING FOR TABLE TOPS. WILLIAM S. THOMASON, Norfolk, Va. Filed Dec. 24, 1923. Serial No. 682,427. 4 Claims. (Cl. 45—31.)



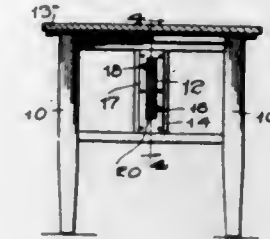
1. Means for coupling two table tops together, comprising like confronting coupling members on each top, each coupling member being formed to provide a transversely extending vertically disposed cross bar, and an approximately S-shaped clip independent of and separate from the table tops and formed to provide an upwardly opening and a downwardly opening channel and adapted to receive the cross bars in said channels and thereby lock the coupling members to each other.

1,520,519. CONNECTOR FOR THE END AND SIDE RAILS OF KNOCKDOWN TABLES. WILLIAM S. THOMASON, Norfolk, Va. Filed Dec. 24, 1923. Serial No. 682,428. 3 Claims. (Cl. 45—48.)



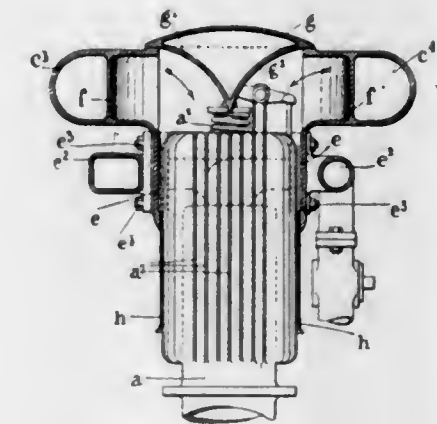
1. In a table, an end rail, a side rail and a leg, the leg being disposed at the end of one of said rails and having its inner corner cut away, a member angular in horizontal section attached to one of said rails and extending into the cut away portion of the leg, the angular end of the member being vertically slotted and having a bolt projecting from it, and a member attached to the other rails and projecting beyond the same and adapted to be disposed within the cut away portion of the leg and adapted to overlap the first named member and having an angularly disposed lug engageable in said slot and having an aperture opening upon the end of the member through which said bolt is adapted to pass and a nut on the bolt.

1,520,520. KNOCKDOWN PEDESTAL TABLE. WILLIAM S. THOMASON, Norfolk, Va. Filed Dec. 24, 1923. Serial No. 682,429. 3 Claims. (Cl. 45—48.)



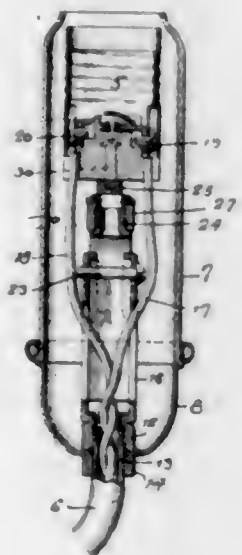
1. A table of the character described comprising transversely extending supporting sections and a longitudinally extending brace section, each supporting section and the adjacent end of the brace section being provided, one with a central socket and a pair of keyhole slots extending approximately concentric to the socket, with the slots of each pair extending in opposite directions, and the other with a central stud adapted to engage in said socket, and headed studs on each side of the central stud and inserted into said keyhole slots and adapted to be locked therein by a rotation of the longitudinal brace in one direction relative to the supporting sections or unlocked therefrom by a rotation of the longitudinal brace in the opposite direction.

1,520,521. AIR COOLING SYSTEM FOR EXPLOSION ENGINES. AUGUSTE ALBERT HONORÉ TISSERANT, St. Cloud, France. Filed Aug. 8, 1922. Serial No. 580,552. 2 Claims. (Cl. 123—171.)



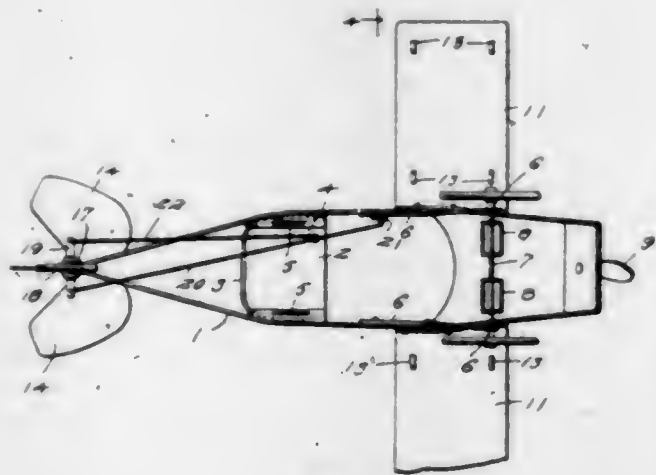
1. In an air cooling system for explosion engines for propelling vehicles, comprising an engine, a single casing closed at its top enclosing the upper part of the cylinders, a separate sheath forming a downward extension of said casing but conforming to the shape of the cylinders and being open at its lower end, vertical cooling ribs upon the cylinder walls, a fan driven by the engine and arranged at the upper front part of the engine, the combination of a casing entirely enclosing said fan, conduits of spiral shape integral with said fan casing, adapted to collect the total quantity of air delivered by the fan, lateral convergent passages arranged in continuation of said spiral conduits and adapted to lead the said air to the upper part of the cylinder casing, above the cylinders, and a curved longitudinal wall carried by the upper cylinder casing adapted to divert the air in a vertical direction downwards upon the cylinders between the outer walls of the same and their cooling ribs and the separate sheath enclosing the said cylinders, for the purpose described.

1,520,522. CANDLE SOCKET. ARTHUR J. TIZLEY, Brooklyn, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 18, 1923. Serial No. 613,426. 3 Claims. (Cl. 240-52.)



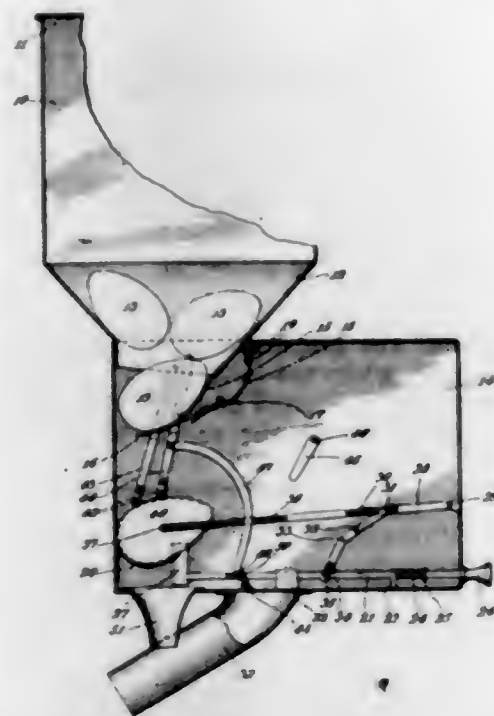
1. A socket supporting standard comprising a pair of double-armed brackets in sliding engagement at their adjacent ends, and having their webs lying in spaced planes at right angles to each other, means for forcing the arms of one of said brackets into gripping engagement with the arms of the other bracket, means on one of said brackets for mounting the standard on a conduit end, and means on the other bracket for securing the same to a lamp receptacle element.

1,520,523. TOY VEHICLE. ELMER C. VON GLAHN and EARL K. PECK, Corcoran, Calif. Filed Jan. 15, 1924. Serial No. 686,305. 2 Claims. (Cl. 208-42.)



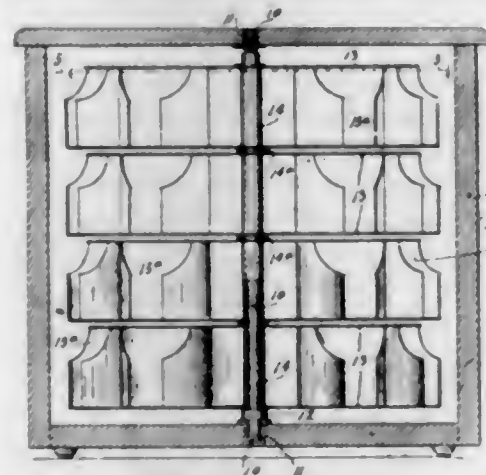
1. A toy vehicle comprising a hollow body including spaced sides and a connecting top, the latter having an opening therein for ingress and egress, a block secured to each of the sides, each of said blocks having a longitudinal slot therein, a seat, securing means for the seat engaging said slots to permit adjustment forwardly and rearwardly, and a rest and back comprising the seat and bracingly connecting the sides of the body.

1,520,524. EGG-SHELLING DEVICE. CAZU ABANDOWITZ, New York, N. Y. Filed May 7, 1924. Serial No. 711,562. 4 Claims. (Cl. 146-2.)



1. An egg shelling apparatus comprising a casing, means for delivering a single egg upon a support, a slicer to cut the shell, a gripping device engageable with the egg shell, and means for conveying the shell outward of the casing.

1,520,525. WATCH-CRYSTAL CABINET. JOHN P. BECK, Flint, Mich. Filed Apr. 23, 1923. Serial No. 634,165. 4 Claims. (Cl. 211-7.)

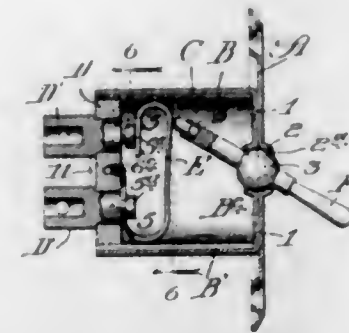


1. A watch crystal cabinet comprising a suitably mounted vertical shaft, a series of carriers sleeved for rotation thereon, and a plurality of cylindrical crystal holding cups mounted on said carriers at the outer edges thereof, each cup having its outer side segmentally cut away through less than half of its circumference, at its lower portion, and through more than half its circumference at its upper portion.

1,520,526. SWITCH DEVICE. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1921. Serial No. 513,055. 4 Claims. (Cl. 200-165.)

1. In a device of the character set forth, the combination of a cup-like casing, an attaching plate secured to the end wall of said casing, said end wall and attaching

plate being provided with complementary socket portions, a circuit-closing lever having a fulcrum portion mounted in the socket, a pair of contact-posts insulatingly mounted in the open end of said casing, and a spring circuit-



closer having one end portion mounted on one of said contact-posts and the other end adapted to make contact with the other contact-post, said circuit-closer being actuated by said lever.

1,520,527. CONTAINER. LEWIS C. BROOKS, Milwaukee, Wis., assignor to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 25, 1921. Serial No. 517,505. 3 Claims. (Cl. 229-7.)



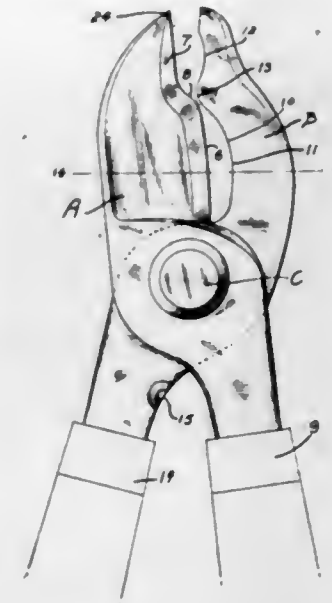
1. A container having a pouring hole, a plug for closing the hole, and a flexible strip secured to the container at a point spaced from the hole, the strip being adapted to hold the plug away from the hole when it is removed therefrom and to direct the plug toward the hole when the same is to be replaced, substantially as described.

1,520,528. CONTAINER CLOSURE. LEWIS C. BROOKS, Milwaukee, Wis., assignor to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 25, 1921. Serial No. 517,508. 2 Claims. (Cl. 229-3.1.)



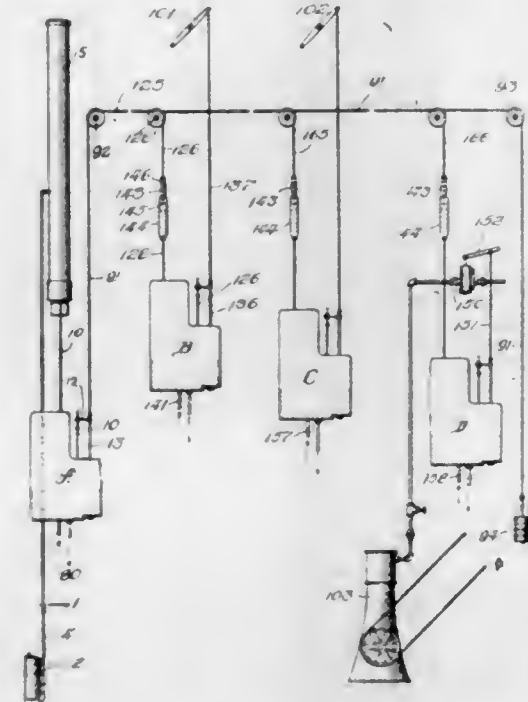
1. A container having a paraffine impregnated paper body and a paraffine impregnated closure, and a tape having an adhesive substance thereon which will adhere to the paraffine surfaces applied over the joint between the container body and closure, substantially as described.

1,520,529. LOPPING OR PRUNING SHEARS. LESTER J. CAGLE, Wenatchee, Wash. Filed Feb. 3, 1923. Serial No. 616,741. 2 Claims. (Cl. 30-11.)



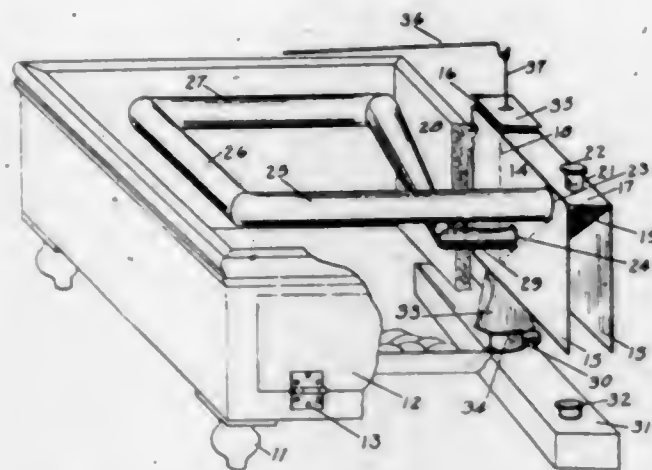
1. Pruning shears comprising a pair of pivoted blades, one being a cutting blade and the other a holding blade, said cutting blade having straight cutting edges positioned in offset relation to each other and the holding blade having inwardly curved gripping edges positioned in opposed relation to the straight cutting edges and having projections between the curved gripping edges contacting with the first blade between the straight cutting edges thereof prior to movement of the straight cutting edges into the recesses when the blades are moved toward each other.

1,520,530. COMBUSTION-CONTROL APPARATUS. GERALD S. CARRICK, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 602,311. 4 Claims. (Cl. 236-31.)



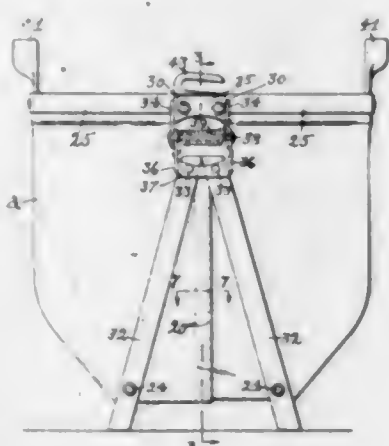
1. In a device of the character described, a plurality of combustion controlling members, independent power means for actuating said combustion controlling members, and auxiliary power controlling means in connection with each of said combustion controlling members for controlling the power delivered to said combustion controlling members, each of said power controlling means also adapted to be actuated directly by the independent power means.

1,520,531. INCUBATOR HEATER. GEORGE E. CHRISTENSEN, Fullerton, Nebr. Filed Aug. 30, 1921. Serial No. 496,538. 3 Claims. (Cl. 122-23.)



3. An incubator boiler consisting of an end wall and spaced side walls, said end and side walls being integral, an integral right-angled element secured to said side walls in the space therebetween, one of the legs of the element being parallel to and spaced from the end wall, the other leg, partially closing the space between the upper edges of the spaced side walls, the angled element and the side walls together constituting a closed water receptacle, the vertical space enclosed by the side walls, the end wall and the perpendicular leg of the angled element therefor a flue for the passage of heated air, and the open space bounded by the side walls and the hypotenuse of the angled element being a by-pass for the passage of the heated air.

1,520,532. BASKET. CHARLES N. CLARK, Somerville, Mass. Filed Sept. 14, 1921. Serial No. 500,562. 10 Claims. (Cl. 150-49.)

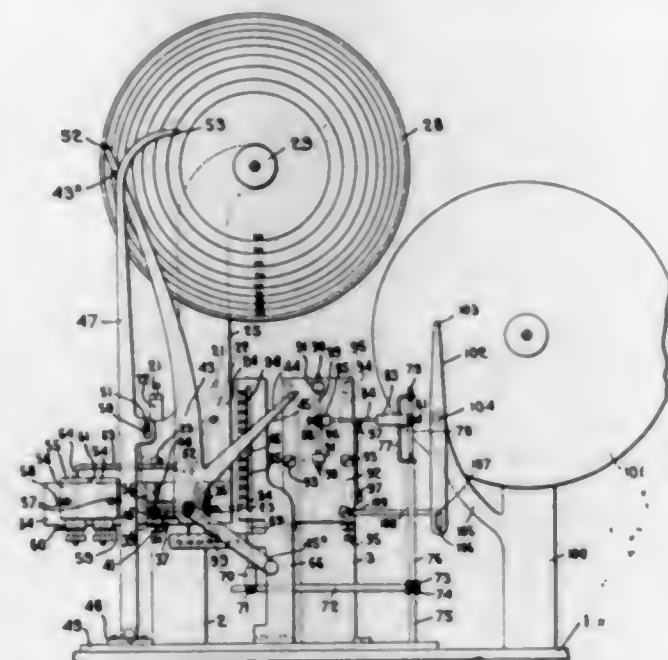


4. In a basket or receptacle of the character described, in combination, a body portion of flexible non-metallic material open at its mouth, a metal rim for said mouth, and supporting devices for said basket comprising upper members attached to said metal rim, and lower members pivotally connected with the said upper members to permit the flexible body portion to be collapsed.

1,520,533. HYGROMETRIC INDICATOR, RECORDER, AND REGULATOR. EDWARD W. COMFORT, Winchester, Mass., assignor to Parks-Cramer Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 14, 1921. Serial No. 437,236. 28 Claims. (Cl. 73-24.)

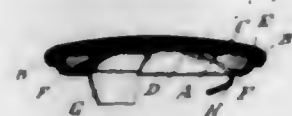
1. Hygrometric apparatus comprising a pair of movable controllers, separate means for moving said con-

trollers respectively to positions indicative of wet and dry bulb temperatures, a movable scale and a co-operating movable pointer conjointly operable by the move-



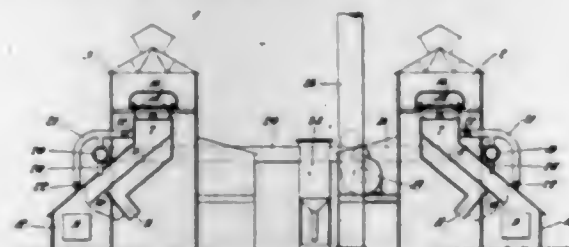
ments of the respective controllers to indicate a condition of humidity dependent upon the relation of the wet bulb temperature to the dry bulb temperature.

1,520,534. CAP FOR KNOBS. CURTIS L. CRUVER, Oak Park, Ill. Filed June 26, 1924. Serial No. 722,628. 3 Claims. (Cl. 85-53.)



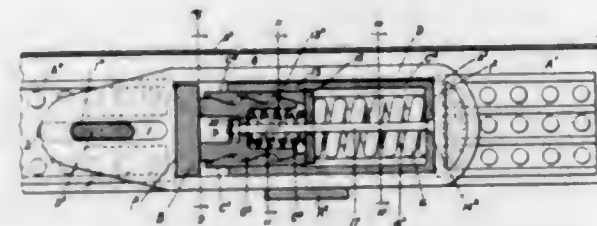
1. A cap element for knobs including a metal disk presenting a concave face to oppose the knob and equipped with a plurality of integral projections struck out of the central portion thereof and spaced from its periphery, the radial distance of said projections from the center of the disk being substantially equal to the radius of the knob, said projections adapted to be bent over inwardly upon the peripheral edge of the knob to secure the latter to said disk, a flared annular edge flange on said disk extending in the opposite direction from said projections, and a dished metal disk provided with an intumed annular flange disposed about and engaging said flared flange of the first-named disk for coupling said disks.

1,520,535. SINTERING APPARATUS. THOMAS J. DAVIS, Duquesne, Pa. Filed May 29, 1923. Serial No. 642,190. 5 Claims. (Cl. 266-21.)



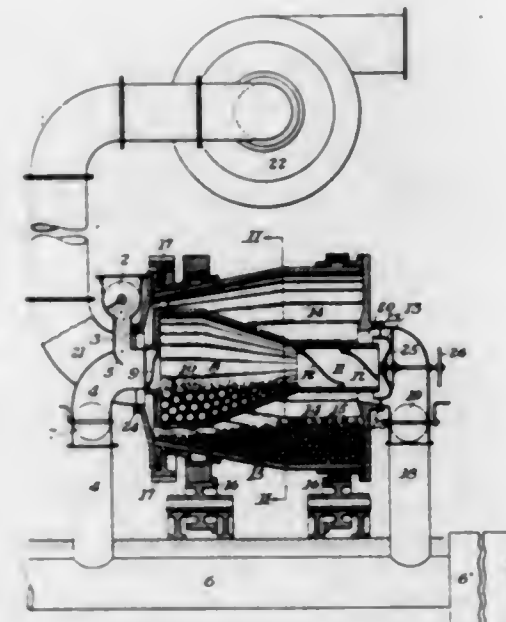
1. The combination with a sintering apparatus including a pan tiltable about a fixed axis to discharge the sintered material, of an enclosure to receive the material discharged from said pan, and a movable hood adapted to be moved over said pan prior to the tilting thereof.

1,520,536. DRAFT GEAR. ARTHUR C. DAVIDSON, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,698. 2 Claims. (Cl. 213-32.)



1. In a draft-gear, the combination of a casing provided at one end with a spring bearing and having an open-ended tubular portion at its other end provided with an inner friction surface, an annular series of shoes within said tubular portion, each shoe having its inner surface provided with a series of longitudinally spaced wedge surfaces, a central hollow expander provided on all sides with a series of longitudinally spaced wedge surfaces coacting with said first-named wedge surfaces, a coil spring device confined between the inner ends of said friction shoes and said spring bearing, and a restoration spring extending into said hollow expander and tending to retract said expander.

1,520,537. METHOD AND APPARATUS FOR PULVERIZING. LOUIS DE MARKUS, Montrose, Pa. Filed Mar. 16, 1923. Serial No. 625,506. 29 Claims. (Cl. 58-9.)

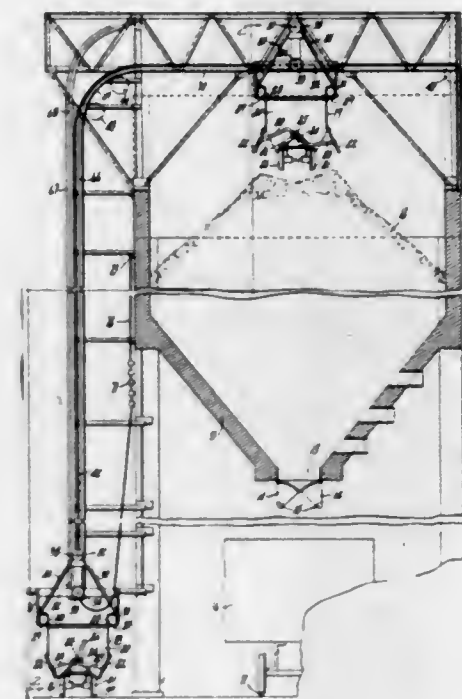


1. The method of pulverizing coal, which includes carrying coal through a pulverizing chamber by a fluid stream, substantially continuously varying the velocity of the fluid stream as it travels through the pulverizing chamber, utilizing the stream to carry the coal from the pulverizing chamber to a second pulverizing chamber, and materially decreasing the velocity of the fluid as it passes into the second pulverizing chamber.

1,520,538. HOISTING APPARATUS. GORDON F. DODGE, Brookline, Mass. Filed Sept. 30, 1921. Serial No. 504,356. 2 Claims. (Cl. 214-119.)

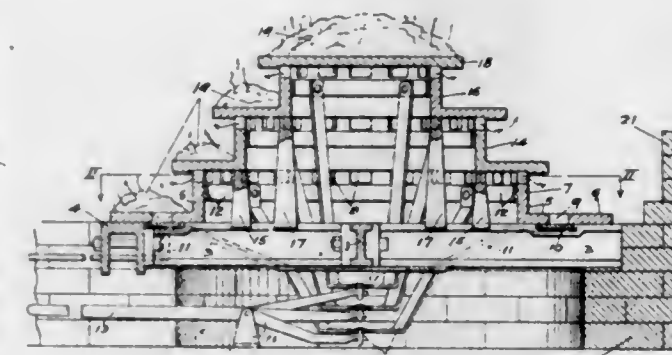
1. A hoisting apparatus having, in combination, a dumping car adapted to contain material, laterally projecting flanges on opposite sides of said car, a carrier

frame with laterally projecting flanges rigidly positioned relatively to each other adapted to engage the underside of the flanges on said car and support the same, and



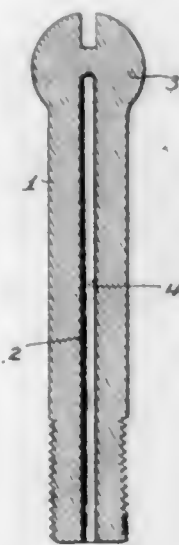
mechanism adapted to move said carrier frame upwardly with said car supported thereon and to a predetermined location.

1,520,539. GRATE FOR BURNING SAWDUST. JOSEPH P. DUCKETT, Sisters, Ore. Filed Mar. 22, 1924. Serial No. 701,103. 10 Claims. (Cl. 110-7.)



7. In an incinerating device, the combination of illustrated elements as follows: a ring-shaped grate having lateral draft openings and a supporting base with vertical openings in said base, arranged for the passage of material through them, a series of similar grates pyramidal superimposed above the said lowest grate, the base of each grate extending a convenient distance over the one below, a cover, supported over the uppermost of the grate series, and likewise extending over the grate below, auxiliary supporting means arranged within the grate area to support each grate between the said lowest grate and the grate cover, a damper having openings registerable with said base vertical openings, and damper mechanism arranged and adapted to operate said damper to open and close the said base openings.

1,520,540. STAY BOLT FOR BOILERS. EUGENE G. FLANNERY and GROVER R. GREENSLADE, Pittsburgh, Pa., assignors to Flannery Bolt Company, Pittsburgh, Pa. Filed Feb. 1, 1923. Serial No. 616,395. Renewed Oct. 14, 1924. 8 Claims. (Cl. 85-1.5.)



1. A staybolt for boilers having a telltale hole extending from one end of the bolt axially thereof, said hole having its other end closed, at least the end wall of said hole at said closed end thereof being rust or corrosion proof.

1,520,541. ORNAMENTED CANDLE. HARRY F. GLAIR and OSCAR E. BRANSKY, Whiting, Ind., assignors to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed June 13, 1923. Serial No. 645,144. 6 Claims. (Cl. 87-21.)



3. An ornamented candle having a body consisting largely of paraffin wax and irregular surface incrustations of scale-like character of Montan wax.

1,520,542. HOLDING DEVICE FOR ARTICLES. HARRY HANSON, Somerville, Mass. Filed July 17, 1922. Serial No. 575,668. 15 Claims. (Cl. 194-64.)

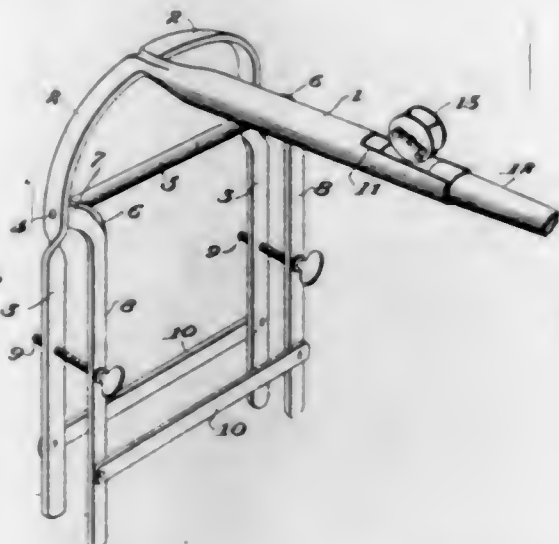
1. A holding device of the character described having, in combination, a support for an article, means to clamp

said article upon said support, means to fasten said clamping means to prevent a reverse movement thereof, a lock embodying therein a bolt and means operatively



connected to said bolt to release said fastening means, said releasing means being rendered operable by a coin located in said device.

1,520,543. FISHING-ROD SUPPORT. JAMES MEACHEN, Dickson, Pa. Filed July 19, 1924. Serial No. 726,967. 2 Claims. (Cl. 248-37.)

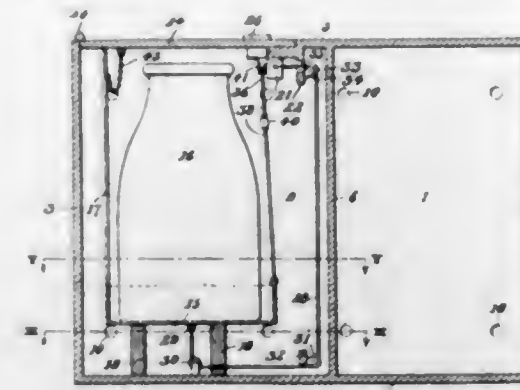


1. In a supporting device, a tubular member connected at one end with a U-shaped member in a plane substantially perpendicular to the tubular member, spaced gripping members pivotally supported between the legs of the U-shaped member and means for adjusting the gripping members with respect to the legs of the U-shaped member.

1,520,544. COMBINED MILK AND MILK BOX. GEORGE MEZEL, Chichester, Va. Filed Mar. 13, 1924. Serial No. 698,941. 3 Claims. (Cl. 232-1.)

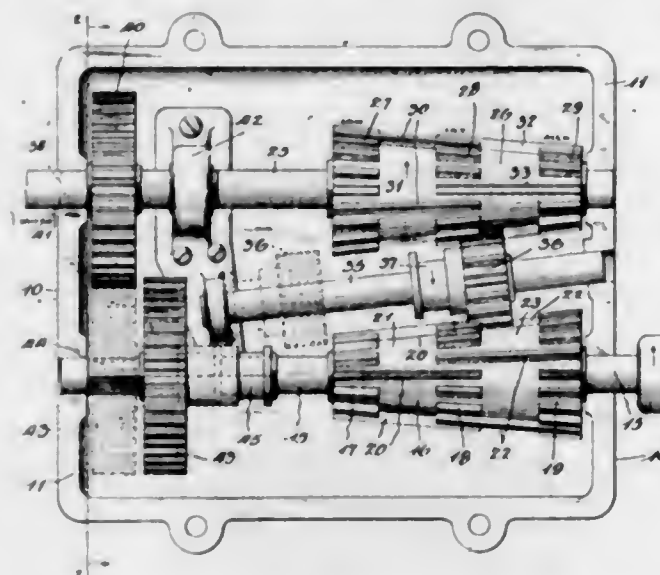
1. In a combined milk and milk box, a box having a vertical partition therein dividing the same into milk and milk compartments, the milk compartment having an entrance opening and closure lid therefor, an exit opening and closure door, a bottle supporting platform in the milk compartment, means for resiliently supporting said platform, connections between the platform and lid to cause upward movement of the platform upon opening movement of the lid, an apertured block carried by

the upper wall of the box, a cord extending thru the block aperture having one end attached to one side of the platform and the other end attached to the lower side



of the platform, guide pulleys for the cord and means carried by the cord cooperating with the block for holding the platform lowered to compress the resilient support for said platform.

1,520,545. TRANSMISSION GEARING. JOHN M. MURPHY, Shamokin, Pa., assignor of one-half to Charles K. Morganroth, Shamokin, Pa. Filed Sept. 4, 1924. Serial No. 735,906. 6 Claims. (Cl. 74-58.)

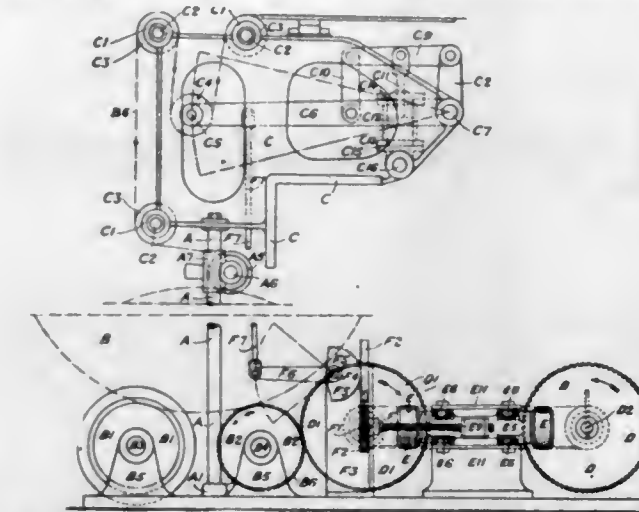


1. In a change speed transmission gearing, a drive shaft; a driven shaft; and means for transmitting motion from one to the other whereby the driven shaft may be rotated at varying rates of speed, said means including a cone member having a plurality of concentric longitudinally spaced sets of teeth, some of said teeth being continuous to include at least two of said sets, and a slidable gear adapted to be moved longitudinally of said cone to engage any desired set of teeth, said slidable gear being guided into mesh with said cone teeth by said continuous teeth.

1,520,546. ROTARY PRINTING MACHINE. JOHN MURRAY, London, England. Filed Dec. 29, 1922. Serial No. 609,659. 2 Claims. (Cl. 242-65.)

1. In connection with rotary printing machines, paper reel driving mechanism comprising a reel, two rollers, one having flanges, both lying parallel with the axis of the reel and supporting it by its periphery, means for driving one of said rollers, and a jockey pulley in a bight in the web, in combination with means for varying the speed of drive from said jockey pulley, said means including a driving and a driven friction disc on parallel axes and side by side, a shaft at right angles to and cutting the axes of the discs and a pair of friction pulleys on said shaft and engaging said discs on opposite sides of

their centers, means for maintaining the pulleys in driving contact with the disc and means operated from the said jockey pulley for moving said friction pulleys radially upon the disc, comprising levers carrying the jockey pulley, a pivoted quadrant, a link connecting the levers



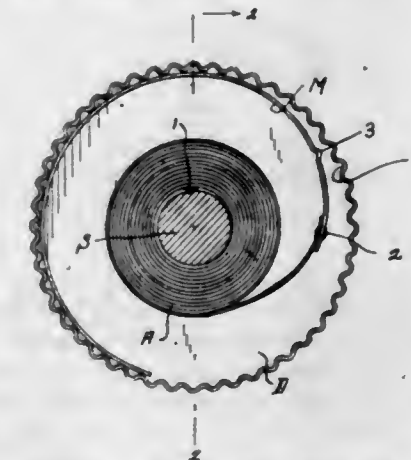
to the quadrant, a double rack engaged by the quadrant, a shaft having screw threads thereon and a pinion on said double rack, a nut engaging said screw threads, and a casing carrying the friction pulleys in which said nut is fixed movably radially to the friction discs.

1,520,547. CATTLE GUARD. NICHOLAS NUMAJLYK, Winnipeg, Manitoba, Canada. Filed Apr. 3, 1924. Serial No. 703,941. 1 Claim. (Cl. 39-19.)



In a device of the type described, a base, a vertically movable platform carried by said base, a swinging gate carried by said base, side bars pivotally connected to said gate and slidably connected to said base, and means for causing downward movement of said platform to raise said gate, for bridging one end of said platform and for operating said side bars for substantially bridging the opposite sides of said platform.

1,520,548. SPRING MOTOR. DANIEL E. ODOM, Bennettsville, S. C. Filed Oct. 13, 1923. Serial No. 668,301. 3 Claims. (Cl. 185-45.)



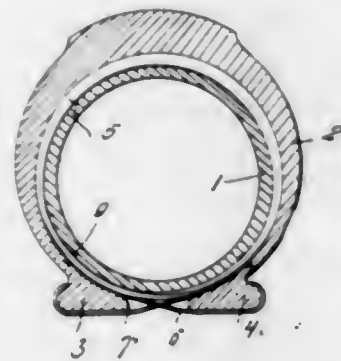
1. In combination with two members supported for relative rotation, a spiral spring having one end portion secured to one of said members, an arcuate resilient member pressing against the second member, means for connecting the opposite end portion of the spring to said resilient member, and means carried by the second member and interlocking with the arcuate member at a point adjacent the connection of the arcuate member and the spring, said second member and arcuate member being normally held in engagement by tension of the spring.

1,520,549. THERMOSTATIC COUPLE. ARTHUR J. OTTO and CARL A. OTTO, Milwaukee, Wis., assignors to Johnson Service Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 24, 1923. Serial No. 641,168. 2 Claims. (Cl. 297-14.)



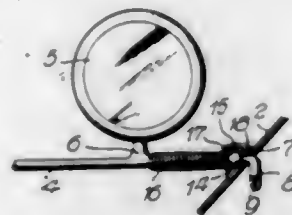
1. An expansible element for mechanical thermostats composed of an alloy consisting of 55% or more of a metal or metals of the nickel group and the remainder of a metal or metals of the chromium group.

1,520,550. REPAIR DEVICE FOR PNEUMATIC TIRES. ALVA H. A. PECK, Underwood, N. Dak. Filed May 2, 1924. Serial No. 710,541. 2 Claims. (Cl. 152-24.)



1. A repair device for pneumatic tires comprising a body portion adapted to be interposed between the inner tube and the outer casing of said tire, the free longitudinal edges of the body portion overlapping each other, and alternately arranged hooks secured to the body portion adjacent the longitudinal edges thereof, and adapted to engage the opposite beads of said casing.

1,520,551. AUTOMOBILE HEADLIGHT MECHANISM. HARVEY C. RAY, Salem, Ill. Filed Sept. 25, 1923. Serial No. 664,657. 3 Claims. (Cl. 240-61.)

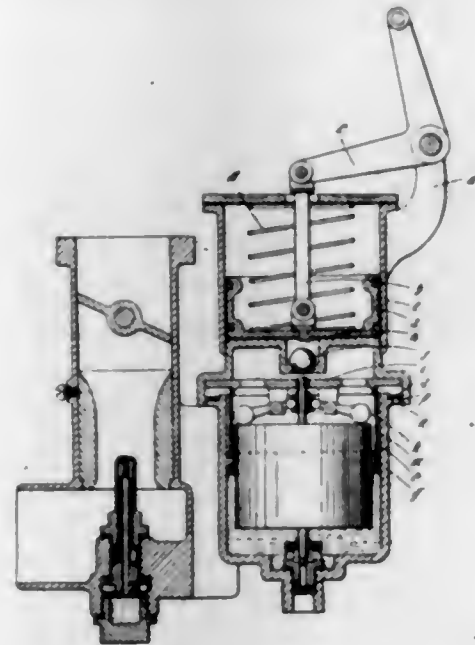


1. Headlight mechanism embodying a rod to which the lamps are rigidly affixed and normally tensioned to hold the lamps in upright position, said rod being formed with a ball member near each end and having an angled end, and means connected with said end to turn the rod against the force of the said tensioning means.

1,520,552. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. ARTHUR JOHN ADAMS, Heywood, near Westbury, England. Filed Mar. 1, 1921. Serial No. 448,894. 4 Claims. (Cl. 123-180.)

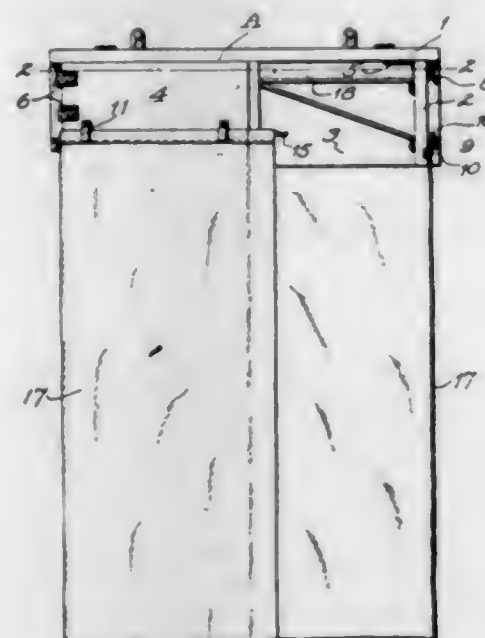
1. Means for facilitating the starting of an internal combustion engine having inlet pipes comprising a pump connected with a hydro-carbon vaporizer and adapted to draw in a supply of hydro-carbon vapor and deliver said vapor to said inlet pipes, said vaporizer including a con-

stant level chamber for liquid hydro-carbon, and an air space above the liquid in said chamber, said air space being connected with the pump, a skirt adapted to dip into said liquid, and air inlets for admitting air about



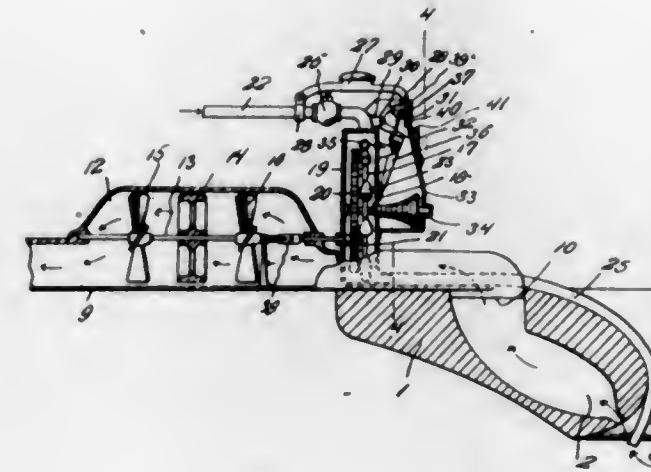
the outer side of the skirt, said air being drawn below the bottom of said skirt and through said liquid for gaining access to said air space above the liquid connected with said pump.

1,520,553. GARMENT PROTECTOR. HAYES JOHN JAMES ALEXANDER, Detroit, Mich. Filed July 9, 1923. Serial No. 650,526. 1 Claim. (Cl. 45-37.)



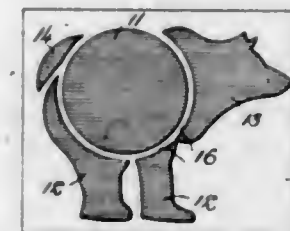
A garment protector of the character described, comprising a casing including a top, sides, rear and front members, hinges securing said top and rear members together, hinges securing said front and one side together, said sides, front and rear members being grooved longitudinally adjacent the lower edges thereof, a rod having angle ends and being received within the grooves of the rear and side members, a rod secured in the groove of the front member, latching means formed on said last mentioned rod, and one side member respectively for retaining said front in closed position, clips overhauling the grooves for retaining said rods therein and curtains threaded on said rods and depending therefrom for the purpose specified.

1,520,554. VENTILATOR ATTACHMENT FOR WATER CLOSETS. ARTHUR W. ANKENY, Indiana, and ROY H. ANKENY, Apollo, Pa. Filed July 21, 1924. Serial No. 727,247. 3 Claims. (Cl. 4-214.)



1. In combination with a water closet bowl, a turbine, a water supply pipe associated therewith, a valve in the pipe, a lever associated with the valve for opening the same to permit the operation of the turbine, a water outlet pipe associated with the turbine and communicating with the bowl, means for holding the lever in a depressed position whereby the valve in the water supply pipe is kept open, an automatically controlled means for releasing the lever to cut off the supply of water to the turbine, said means being operable by the turbine.

1,520,555. TOY FIGURE. LILLIAN AULD, Eugene, Oreg. Filed Sept. 20, 1922. Serial No. 589,428. 2 Claims. (Cl. 46-40.)

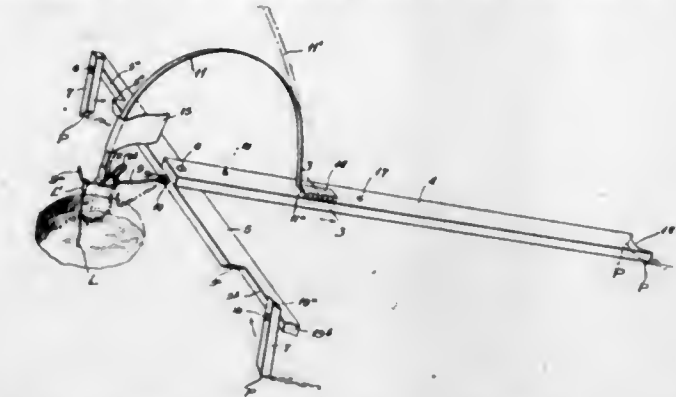


1. A figure toy comprising a body, a plurality of anatomical members, said body including an endless defining limit completely around which the anatomical members are adapted to be moved in correct anatomical sequence and with a predetermined limit thereof opposed to the defining limit of the body, said defining limit of the body having all points therein equidistant from the axis about which the anatomical members are adapted to be moved, whereby an indefinite number of postures may be imparted to the figure and the correct anatomical relation between the body and each anatomical member maintained irrespective of the position to which said member may be moved with respect to the body.

1,520,556. FISHING TILT. HARRY E. BECKWITH, Norwich, Conn. Filed Feb. 28, 1923. Serial No. 621,823. 6 Claims. (Cl. 43-17.)

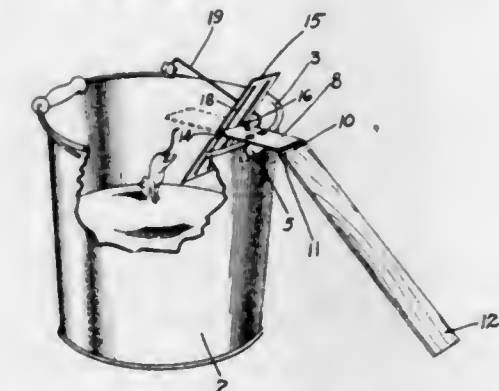
1. A fishing tilt, comprising a support, a spring signal member having one end secured to the support, a trip member pivotally mounted at one end on the support

and having at its free end means for attaching a line thereto, and interengaging means on the end of the



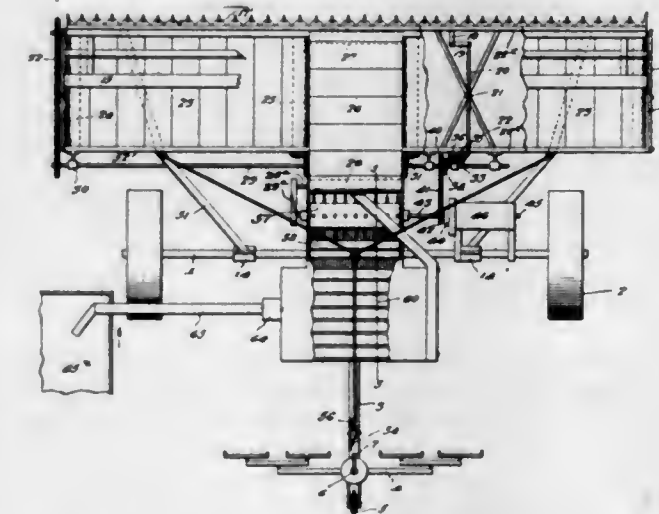
signal member and on the trip intermediate of its ends for holding said parts in set position, said means being disengaged by a pull on the line by a fish.

1,520,557. ANIMAL TRAP. MONS M. BERG, Duluth, Minn. Filed May 3, 1923. Serial No. 636,411. 5 Claims. (Cl. 43-69.)



1. An animal trap comprising a clip member adapted to be mounted on the upper wall of a receptacle, a fixed sheet metal plate member having a tongue and slot connection with said clip, a tilting platform having means for pivotal connection with said plate to normally rest by gravity thereon with its inner end overhanging the receptacle but adapted to tilt under the weight of the animal thereon, and a bait-support mounted at one end and on said plate and having its other end overhanging the receptacle adjacent the inner end of said tilting platform.

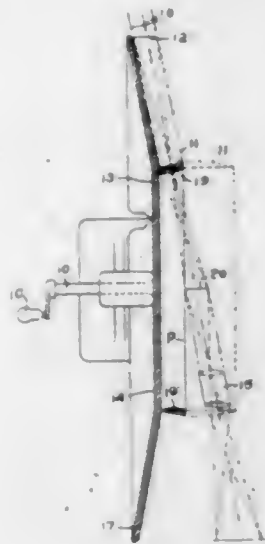
1,520,558. COMBINED GRAIN HARVESTING AND THRASHING MACHINE. CARL R. BROWN, Stockton, Kans. Filed Feb. 1, 1921. Serial No. 441,638. 2 Claims. (Cl. 56-21.)



2. Grain harvesting means comprising a frame having spaced front and rear transverse portions, a cutting mechanism including a transversely reciprocating sickle

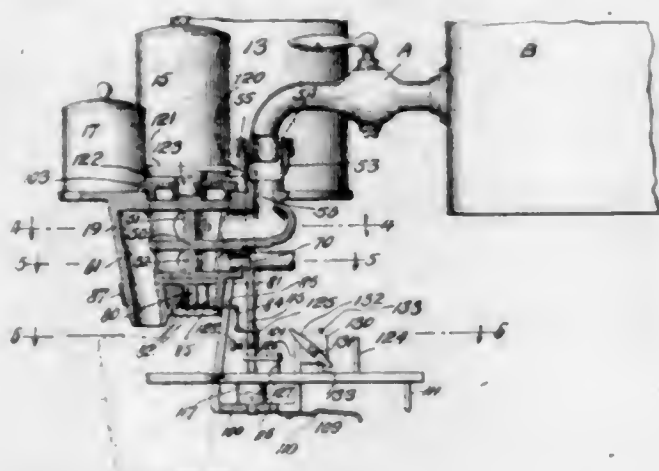
bar, a rearwardly extending arm on said bar, diagonal cross bars interposed between and fixed to said transverse spaced portions of the frame, a lever fulcrumed at an intermediate point of its length on the crossed portions of the said diagonal bars and having forward and rear arms, a link connection between the forward arm of said lever and the arm of the sickle bar, and means connected with the rear arm of the lever to actuate the sickle bar.

1,520,559. LENS AND THE ARRANGEMENT OF LENSES. OSWALD BUCHNER, HONGG. near Zurich, Switzerland. Filed Mar. 30, 1921. Serial No. 456,867. 7 Claims. (Cl. 88-16.8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



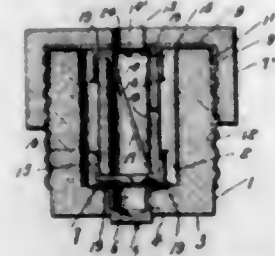
1. In a device of the character described, the combination of a picture carrier, a source of light, a lens disposed in the path of light passing through the pictures and adapted to project the pictures, and means for rotating said lens and carrier with equal angular speed about a common axis, the lens being adapted to project the picture of the carrier into a plane containing the axis of rotation.

1,520,560. DISPENSING APPARATUS. JOSEPH N. BURNS, Chicago, Ill. Filed Mar. 30, 1920. Serial No. 369,942. 12 Claims. (Cl. 225-21.)



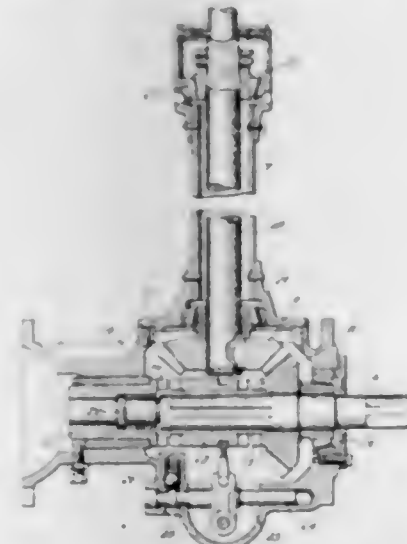
1. Apparatus for dispensing a mixture of a plurality of liquids, comprising separate intakes, each connected to a source of one of said liquids, two sets of intermediate containers each adapted to contain a predetermined amount of liquid, an outlet through which the mixture is to be dispensed, and means for alternately connecting each of one set of said intermediate containers with one of said intakes while simultaneously connecting all of the other set of said intermediate containers with said outlet.

1,520,561. FUSE PLUG. THOMAS F. COTE, Montreal, Quebec, Canada. Filed Apr. 26, 1921. Serial No. 464,529. Renewed May 10, 1924. 9 Claims. (Cl. 200-128.)



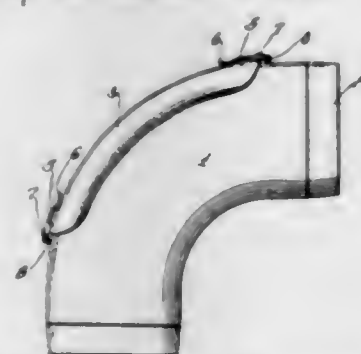
1. A fuse plug comprising a body, a ferrule for said body and having a vent, a contact for said body, a sleeve in said body and having an opening, a fuse in said sleeve, and caps closing the ends of the sleeve and securing the fuse to the sleeve and engaging the contact and the ferrule at the vent, said caps having grooves and the grooves of one cap establishing communication between the vent and the interior of the body.

1,520,562. POWER-TAKE-OFF DEVICE FOR MOTOR VEHICLES. RALPH F. CRAWFORD, Salina, Kans. Filed Mar. 14, 1923. Serial No. 625,054. 2 Claims. (Cl. 74-7.)



1. A power take-off device for motor vehicles having forward and rear drive shaft sections, comprising a shaft journaled transversely of the vehicle frame and carrying a power wheel, a supplemental transmission device comprising a bevel gear fast upon the transverse shaft, a bevel gear loosely mounted upon the forward shaft section, a clutch element upon said last-named gear, a clutch element connected with the rear shaft section, and a clutch member slidably fixed to rotate with the forward shaft section, engageable with either of said clutch elements and lying entirely opposite the face of the fast bevel gear.

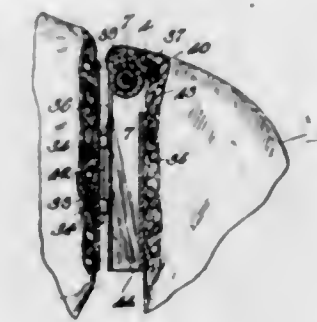
1,520,563. ATTACHMENT FOR STOVEPIPES. ALFRED P. DARLEY, Cedaredge, Colo. Filed Oct. 13, 1923. Serial No. 668,432. 1 Claim. (Cl. 126-307.)



A stove pipe elbow having an opening therein, a plate for closing the opening and overlapping the edge of the opening, said plate having an arcuate depression in each

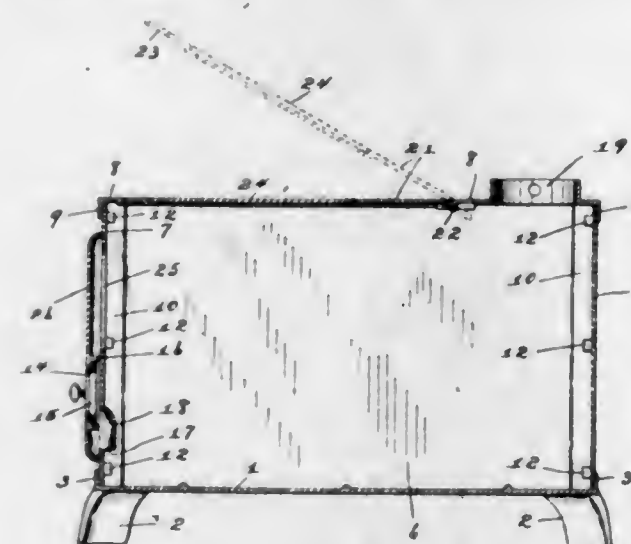
end, a pin carried by the elbow adjacent each end of the opening, a washer on each pin fitting into the depression of the plate and yieldable clips carried by the pins for engagement with the outer face of the plate to retain the same against displacement.

1,520,564. FORM. FRANCES DEUTSCH, New York, N. Y. Filed July 17, 1922. Serial No. 575,594. 4 Claims. (Cl. 211-13.)



1. A garment form comprising a body having shoulders, a plate mounted adjacent each of said shoulders, upstruck portions formed with the said plate, arms for attachment to each of said shoulders, each arm comprising a pair of sections, a plate carried by one section of each arm, tongues carried by said plate for co-action with said upstruck portions to detachably secure said arm to said body, a second plate carried by one of the sections of each of said arms, and mounted adjacent the first mentioned plate, and co-acting means on each of said plates for holding said arms in adjusted position with respect to said body.

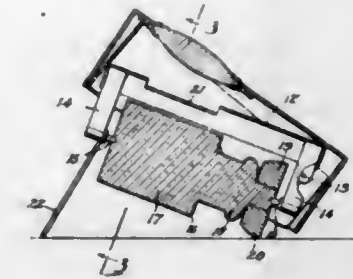
1,520,565. KNOCKDOWN STOVE. LA MOTTE K. DEVENDORF, Albany, N. Y., assignor to Alco Utilities Co., Albany, N. Y., a Copartnership consisting of La Motte K. Devendorf, Menzo F. Hulett, and William G. Van Loon. Filed Mar. 25, 1922. Serial No. 546,861. 1 Claim. (Cl. 126-9.)



A knock down stove having a base with integral upwardly projecting flanges, a top with integral downwardly projecting flanges, and side members detachably interlocked at their neighboring ends by means of an integral inwardly-offset flange on one side member seated between an integral outer flange and separated integral inward projections on the neighboring side member, said side members being removably confined at their upper ends between the downwardly projecting flanges of the top, and at their lower ends between the upwardly projecting flanges of the base, the means stated constituting the sole essential means for holding said side, top and bottom members in assembled position.

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1,520,566. MOTION-PICTURE DEVICE. JAMES W. DORAN, Brooklyn, N. Y. Filed Jan. 24, 1922. Serial No. 531,404. 4 Claims. (Cl. 88-16.8.)



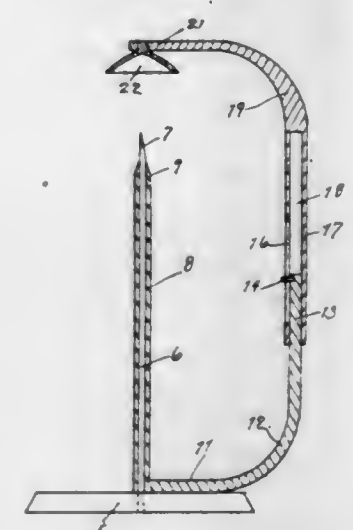
1. A motion picture device designed for use with a picture strip laid flat upon a supporting surface and comprising a casing adapted to rest upon the supporting surface and to be moved thereon along and over the picture strip, said casing being apertured above the picture strip, a rotary refracting element carried within the casing and disposed between the picture strip and the aperture of the casing, and means for rotating the rotary refracting element as the casing is moved along the picture strip.

1,520,567. NUT LOCK. THOMAS V. S. DORSEY, Lockport, La. Filed Aug. 28, 1923. Serial No. 659,817. 3 Claims. (Cl. 151-39.)



1. In a nut locking device, the combination with a bolt having a longitudinally grooved threaded portion, and a coil spring washer thereon having a lug engaged in said groove, of a nut engaged on the bolt, the threads of the nut being of different pitch and a member adjustable on the nut and engaged with the spring washer.

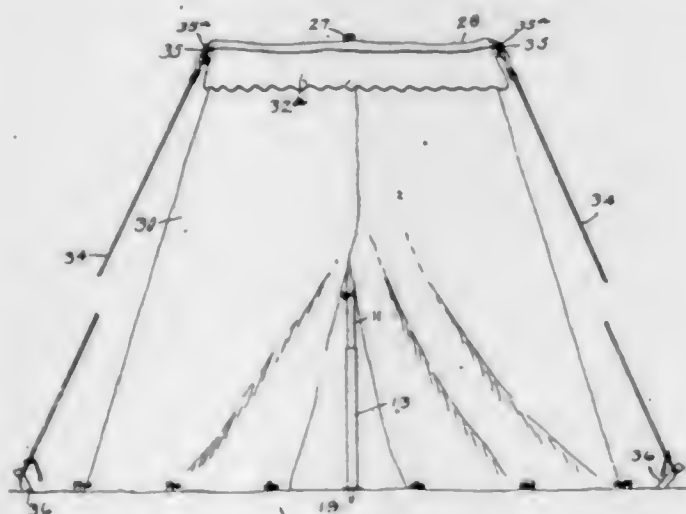
1,520,568. FILING DEVICE. JAY W. ELLENWOOD, Pacific Grove, Calif. Filed Dec. 1, 1923. Serial No. 678,048. 1 Claim. (Cl. 129-8.)



In combination with a letter file having a base, a spike secured thereto, a substantially L-shaped member having a tubular portion adapted to telescope said spike, a second substantially L-shaped member slidably engaging the free end of said said first-mentioned L-shaped member, a

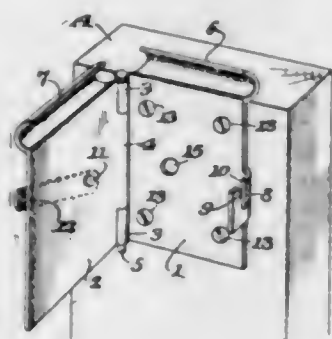
bell-shaped element secured to the free end of said second-mentioned L-shaped member and in alignment with the end of said tubular portion, and means for limiting the sliding engagement between said L-shaped members.

1,520,569. PORTABLE TENT. ARTHUR G. EMERSON, Riverbank, Calif. Filed Nov. 9, 1921. Serial No. 514,011. 3 Claims. (Cl. 135-1.)



1. A portable tent having a standard, arms movable downwardly and outwardly therefrom, a cover supported by said arms, and said cover having radial pockets to be entered at their inner ends by said arms, the cover being adapted to be stretched by the downward and outward movement of the arms.

1,520,570. NONSLIP CLOTHESLINE GRIP. GEORGE R. HAYNES, Waynesboro, Va. Filed Aug. 27, 1924. Serial No. 734,539. 1 Claim. (Cl. 24-132.)

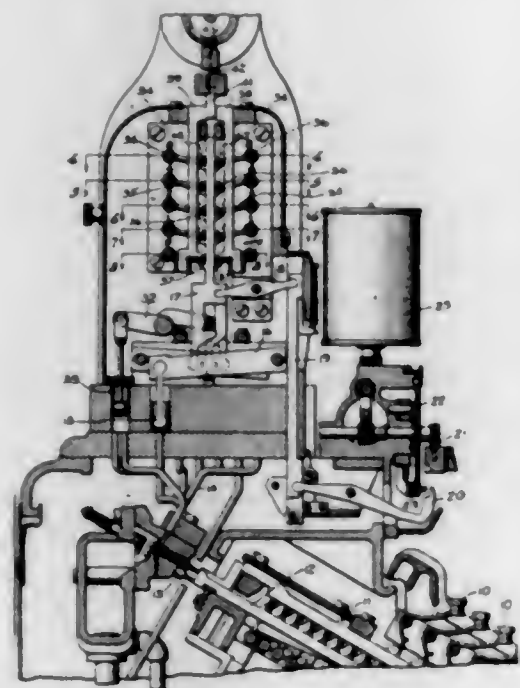


A rope grip comprising two sheet metal members hinged together at one edge, one of said members being adapted to be attached to a support, each member having integral therewith a semi-cylindrical portion at one edge thereof, which portions form a tube when the members are in engagement, an integral offset ear on one member having a cam notch therein, and a latch pivoted to the other member and adapted to engage said notch to draw the members into engagement and hold them in said position.

1,520,571. TYPOGRAPHIC KEYBOARD MACHINE. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Aug. 16, 1922. Serial No. 382,238. 11 Claims. (Cl. 164-112.)

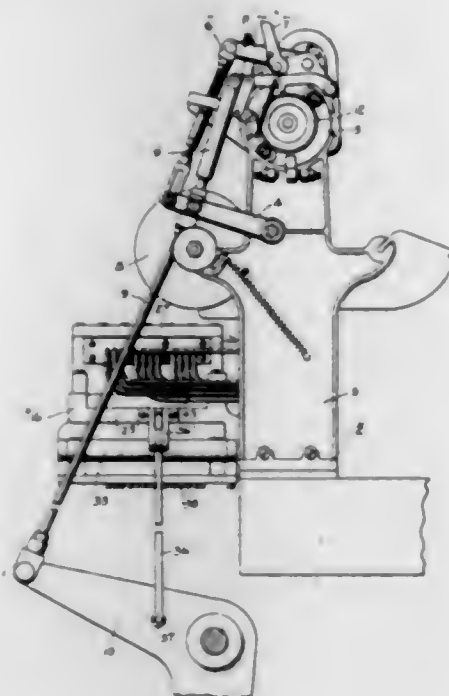
1. A keyboard perforating machine comprising a series of bars operated by the depression of keys, said bars being provided selectively with laterally extending lugs,

a series of punch bars each provided with a laterally extending lug, punches secured to said punch bars, and converting levers provided with rods positioned to be



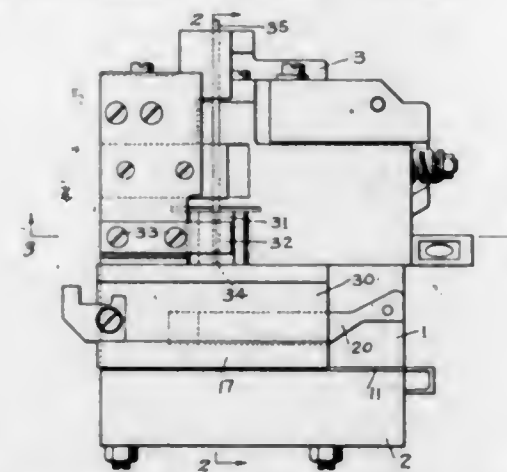
selectively tilted by the lugs of the first mentioned bars to thereby operate the punch bars and punches by engagement with the lugs of the punch bars.

1,520,572. TYPOGRAPHIC CASTING AND COMPOSING MACHINE. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Nov. 29, 1922. Serial No. 604,069. 11 Claims. (Cl. 199-77.)



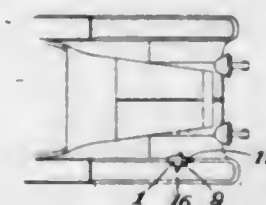
1. A typographic casting machine adapted to be controlled by a perforated strip the perforations of which constitute signals, said machine comprising a plurality of gaging devices and in combination therewith a plurality of signal responsive motors, permutating devices operated from said motors, and means connecting said permutating devices with said gages whereby a combination of said devices will select and cause operation of the gaging device indicated by the signal.

1,520,573. TYPOGRAPHIC MOLD MECHANISM. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Jan. 11, 1924. Serial No. 685,635. 7 Claims. (Cl. 199-1.)



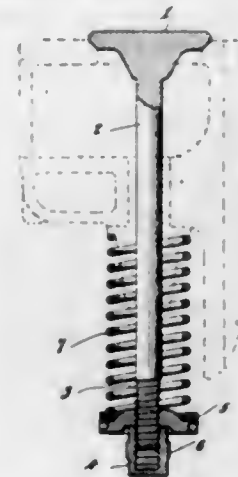
1. A typographic mold comprising type blocks, a matrix provided with a groove and a mold blade slidable between said type blocks, the upper surface of said mold blade slidably fitting said matrix groove.

1,520,574. SAFETY LAMP. JOHN ROSZELL JACOBS, Blacksburg, Va. Filed Sept. 14, 1923. Serial No. 662,664. 1 Claim. (Cl. 240-48.4.)



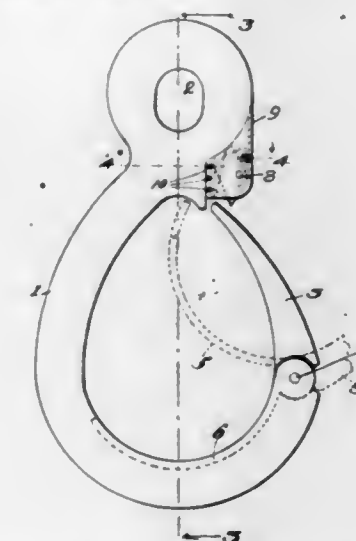
In combination, a lamp including a housing, a parabolic reflector therein, a socket carrying an electric light bulb secured in the rear of said reflector, detachable rim extending within and without the reflector, said rim carrying a front glass and a shield, said shield extending outwardly in front of said lamp partially obstructing the rays from said bulb.

1,520,575. ADJUSTABLE VALVE AND SPRING. JOHN KANDARIAN, Providence, R. I. Filed Feb. 12, 1923. Serial No. 618,551. 1 Claim. (Cl. 251-132.)



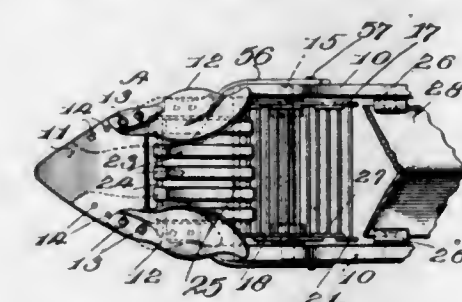
An internal combustion engine valve of the type adapted for manual adjustment while the engine is assembled, said valve having a head at the upper end and a stem provided with screw threads at its lower end portion, a valve-spring seat threaded upon said portion and engageable by a spring from above, and a cap screw threaded upon said portion to serve as a lock for the seat and to vary its position with respect to the operating means for the valve, said cap being closed at its lower end for engagement by the last mentioned means.

1,520,576. HOOK. JAMES RALPH KEATON, Snohomish, Wash. Filed May 1, 1924. Serial No. 710,409. 2 Claims. (Cl. 24-241.)



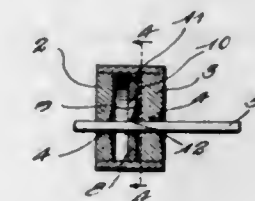
1. In a device of the class described, the combination with a body, of a casing carried by the upper portion of said body and open at its lower end to provide spaced depending side walls, a finger pivotally mounted on said body and having its outer end positioned contiguous the lower end of said casing and adapted to have a slight movement between the depending side walls while moving into and out of an operative position, and a catch pivotally mounted in said casing in a vertical position and having its lower end portion extending between the depending side walls and normally extending into the path of movement of said finger and adapted to be swung upwardly into the casing for allowing the finger to be released.

1,520,577. VEGETABLE HARVESTER. EDWARD P. KENDALL, Bowdoinham, Me. Filed Oct. 19, 1920. Serial No. 418,053. 2 Claims. (Cl. 55-51.)



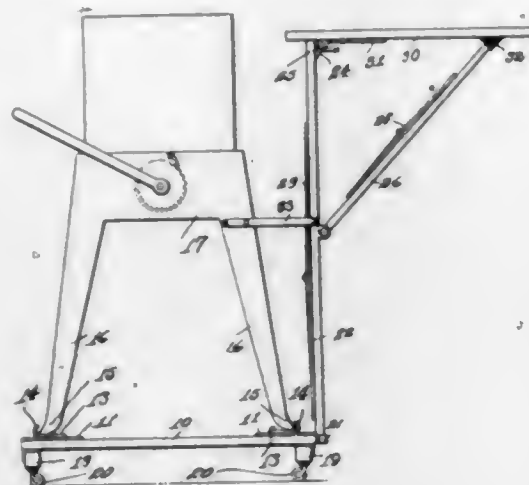
1. A plow for vegetable harvests, comprising a triangular-shaped point and a wing adjustably attached to opposite sides of the triangular point, for the purpose described.

1,520,578. SEAL. JOSEPH KITCHELL, Vincennes, Ind., assignor to Thomas H. Adams, Vincennes, Ind. Filed Aug. 9, 1923. Serial No. 656,534. 2 Claims. (Cl. 292-318.)



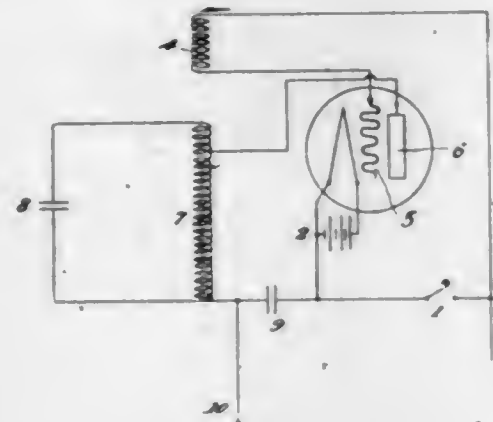
2. A seal comprising a casing closed at both ends and having aligned openings in said ends, a wire anchored at one end to the casing and adapted to have its other end passed through said openings, a disk in said casing having an opening aligned with the aforesaid openings to receive the wire, and a wire biting tongue carried by said disk and projecting partially across its opening.

1,520,579. ATTACHMENT FOR BUTTER PRINTERS. AMOS N. KNUTSON and GEORGE H. HACKER, Jr., Benson, Minn. Filed May 7, 1923. Serial No. 637,286. 1 Claim. (Cl. 248-41.)



The combination with a support having vertically open sockets and arms extending horizontally over the said sockets, of a table including uprights having their lower ends seated in said sockets and their intermediate portions connected with said arms, angle plates carried by the upper ends of the uprights, a table top pivotally connected to said angle plates, a tapering frame pivotally connected at its wider end to the uprights below said arms, and angle socket members carried by the lower face of the outer end of the table, and spaced inwardly of the sides thereof for receiving the narrower end of said tapering frame.

1,520,580. ELECTROMAGNETIC-WAVE SIGNALING SYSTEM. NORMAN LEA, Coventry, and JOHN REE, Plinner, England. Filed Sept. 26, 1919. Serial No. 326,608. 7 Claims. (Cl. 250-19.)

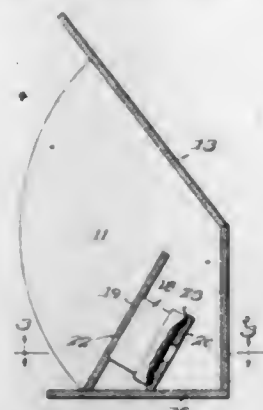


1. In an electromagnetic wave transmitter employing an oscillatory valve, means for controlling the trains of oscillations comprising a permanent conductive connection between the control element of the valve and the negative lead of the high tension supply and a circuit interrupting device interposed in a conductor connecting the said negative lead and the filament of the valve.

1,520,581. SOUND AMPLIFIER. EDWARD A. LEFEBRE, Long Island City, N. Y. Filed Oct. 15, 1923. Serial No. 668,641. 6 Claims. (Cl. 181-27.)

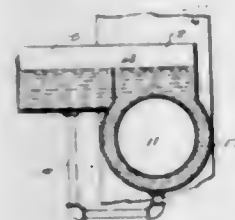
1. A sound amplifier of the character described comprising a cabinet open at its front and including a base

and walls arranged to constitute a sounding board adapted to reflect the sound upwardly and outwardly from the cabinet, and an acoustical instrument support ar-



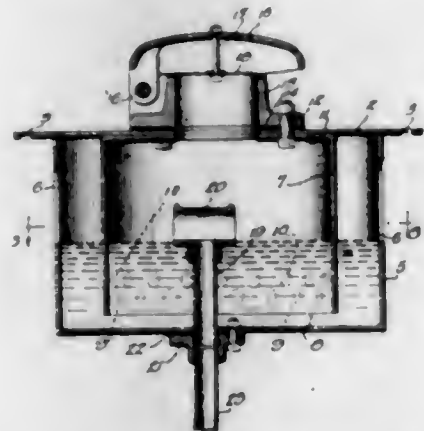
ranged within the cabinet and including spaced parallel walls between which an instrument is arranged, said walls being disposed at an angle with respect to the base.

1,520,582. SIRUP PAN. EUGENE ALLSY LESTER, Punta Gorda, British Honduras. Filed Dec. 29, 1923. Serial No. 683,442. 2 Claims. (Cl. 159-40.)



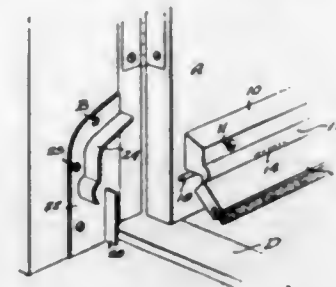
2. A sirup pan having a horizontal open-ended flue extending therethrough, the shell of the pan forming with the flue a double wall presenting an intermediate space for the sirup, said pan having a lateral extension at one side forming a still pan section from which the scum may be removed; together with a pipe connecting the bottom of the still pan section with the main pan section below the flue.

1,520,583. FLUID-PRESSURE REGULATOR. HAROLD J. LOCKHART, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a Corporation of West Virginia. Filed Feb. 2, 1923. Serial No. 616,631. 4 Claims. (Cl. 137-53.)



1. A pressure regulator comprising an outer shell adapted to be arranged in a tank, said shell being provided with openings spaced from the bottom, an inner shell extending from the top of the outer shell to a point near the bottom, said regulator being provided with an outlet opening within said inner shell, and an overflow pipe communicating with the interior of said regulator at a point spaced from the bottom thereof.

1,520,584. WEATHER STRIP. AUGUST ALEXANDER LUNDEEN, Brooklyn, N. Y. Filed May 10, 1923. Serial No. 639,374. 1 Claim. (Cl. 20-67.)



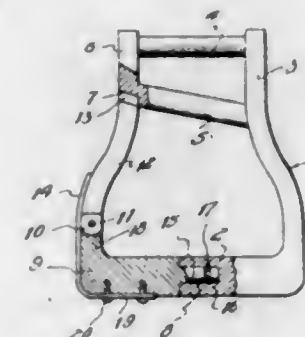
The combination with a door frame and a hinged door thereon, of a weather strip hinged to the door adjacent its lower end, a sliding and spring pressed rod having one end projecting beyond the door when the door is open, means connecting the rod with the weather strip whereby in one position of the rod the weather strip will be held in an inclined position and in the other position of the rod, the weather strip will be swung downwardly, and a protecting plate on the door frame with which the projecting end of the rod engages when the door is closed, to operate the said rod for swinging the weather strip downwardly, said plate having a curved flange which overlies the end of the weather strip and a straight flange below the curved flange with which the weather strip abuts when the door is closed.

1,520,585. AUTOMATIC INTAKE CHECK VALVE. WALTER C. LUSSEN, Haverford, Pa. Filed Aug. 10, 1920. Serial No. 402,712. 1 Claim. (Cl. 158-50.1.)



In combination, a tank adapted to contain a volatile liquid, said tank having an inlet opening, a movable cover for said inlet opening provided with a perforation having an enlarged portion to provide a shoulder adapted to serve as a valve seat, a tubular member threaded into the said enlarged portion of said perforation and having a side aperture, a cap threaded into the lower end of said tubular member at a point below said side aperture, a spring confined within said tubular member and extending up into the enlarged portion of said cover perforation, and a valve element normally supported by said spring upon the said valve seat and closing the said perforation.

1,520,586. STIRRUP. EGBERT E. MCCAMIS, Gower, Mo. Filed Dec. 11, 1922. Serial No. 606,225. 1 Claim. (Cl. 54-49.)



A stirrup of the character described comprising a base including a foot rest having an integral side formed thereon and a socket at its other end, a right angle extending bar projecting from the upper end of the side and being adapted to form the upper portion of an eye,

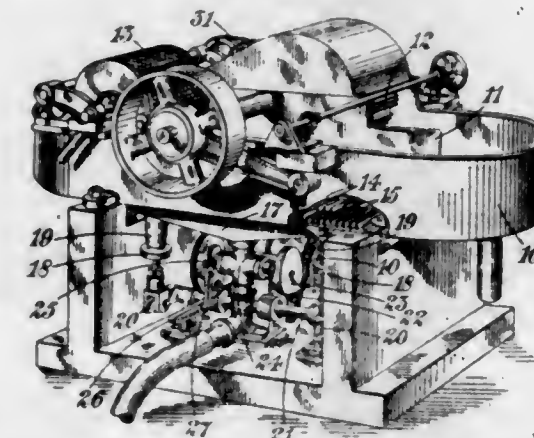
an upwardly inclined bar extending from the side and forming the lower portion of the eye, an upstanding extension formed on the inclined bar and being provided with a socket in its lower end, a guide forming the opposite side of the stirrup and a portion of the bottom thereof respectively, said guide including a pair of pivotally associated members, a lug projecting from the upper end of the upper pivoted member and being adapted to be received in the socket of the upstanding extension, a rounded stem projecting from the free end of the lower pivoted member and provided at its end portion with an annular depression adapted to be received in the socket of the foot rest, a pin passing through the foot rest and received in the annular depression in the end of the stem, and a spring secured to the last mentioned pivoted member and bearing against its companion member as and for the purpose specified.

1,520,587. STORAGE BATTERY. JAMES F. MCCAULEY, Cleveland, Ohio. Filed June 3, 1922. Serial No. 565,505. 1 Claim. (Cl. 204-29.)



A storage battery, comprising a jar having an open top, a ring in the bottom of the jar, a negative electrode supported on the ring, a positive electrode within the negative electrode, a plug in the positive electrode supporting the latter above the bottom of the jar, a porous spacer between the electrodes, a perforated sleeve around the spacer, said positive and negative electrodes having perforations therein, and chemical substances in said battery and coating the surfaces of the positive and the negative electrodes.

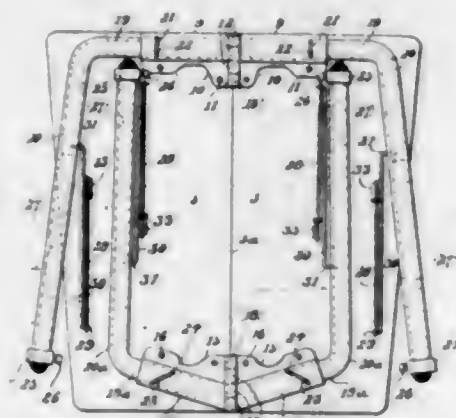
1,520,588. WASHING APPARATUS SUITABLE FOR THE TREATMENT OF PAPER PULP AND FOR OTHER PURPOSES. WILLIAM ARTHUR RANKEN MICHAEL MURRAY, London, England. Filed Nov. 10, 1923. Serial No. 673,979. 10 Claims. (Cl. 92-24.)



1. A washer of the type and for the purpose characterized by one or more riffls or ribs extending upwardly from the base of the washer to effect collection in rear

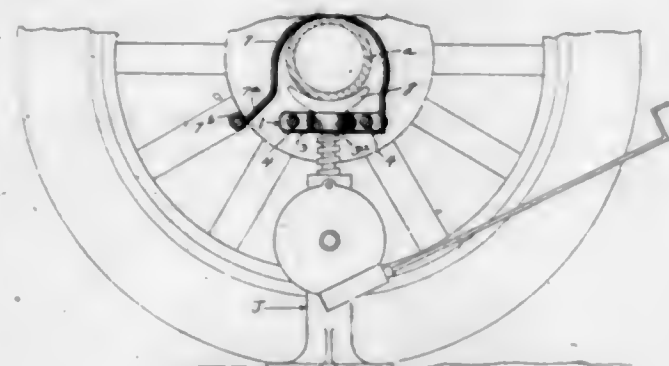
thereof of material which will deposit by gravity, and an opening in the base of the washer so disposed in relation to each rille or rib that the material which has so collected or would so collect will fall there-through.

1,520,589. CHIROPRACTIC POSTURE STOOL. PHILIP MATKOVIC, Davenport, Iowa. Filed June 7, 1923. Serial No. 643,952. 6 Claims. (Cl. 155-151.)



1. In a collapsible stool of the class described, a pair of seat sections hingedly connected, a pair of legs pivotally connected to the front ends of said sections, a pair of legs pivotally connected to the rear ends of said sections, and means rendered active by leg pivotal movement for causing one pair of legs to assume positions inwardly of the second pair when all of the legs are moved to their inoperative positions and to assume positions in alignment with the second pair when all of the legs are moved to their operative positions.

1,520,590. JACK HANGER. JAMES I. MILLER, Blacksburg, W. Va. Filed Mar. 15, 1924. Serial No. 699,477. 6 Claims. (Cl. 254-133.)

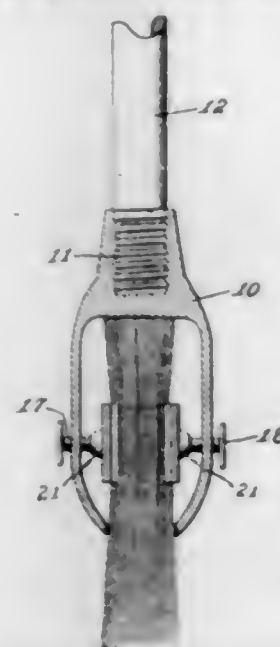


1. In a device of the character described, a clamp, and a resilient bow member secured at one end to the clamp and free at its other end, said member extending above the clamp.

1,520,591. RENEWABLE BROOM. BERNARD MOLSBERGER, Fort Sam Houston, Tex. Filed Aug. 6, 1923. Serial No. 655,997. 3 Claims. (Cl. 15-177.)

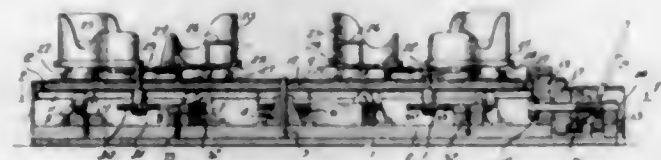
1. A device of the character described comprising a hollow holder formed with a socket for engagement upon a handle, a broom head disposed within the holder, a

pair of elongated clamping plates within the holder at opposite sides of the broom head, and screws threaded



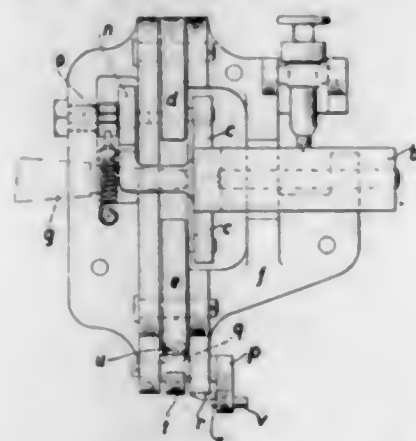
through opposite sides of the holder and engaging said plates for holding the same in clamping relation to the broom head.

1,520,592. AMUSEMENT APPARATUS. GIACOMO MONGILLO, Derby, Conn., assignor of one-third to John Mongillo, Salamanca, N. Y., and one-third to John J. Bennett, Ansonia, Conn. Filed Dec. 8, 1921. Serial No. 520,965. 5 Claims. (Cl. 272-37.)



1. An amusement apparatus, comprising a rotary turn table, a shaft supported in the turn table, a member fixedly secured to the shaft, a plurality of cars mounted to move on the turntable and pivotally connected to said member, a pinion fixed to said shaft, and a plurality of independent and adjustable racks of varying lengths and in staggered relation and engageable in turn by the pinion when the turn table is revolved to impart rotary motion first in one direction and then in the other to said member on the shaft and thereby swing the cars in different directions on the turn table.

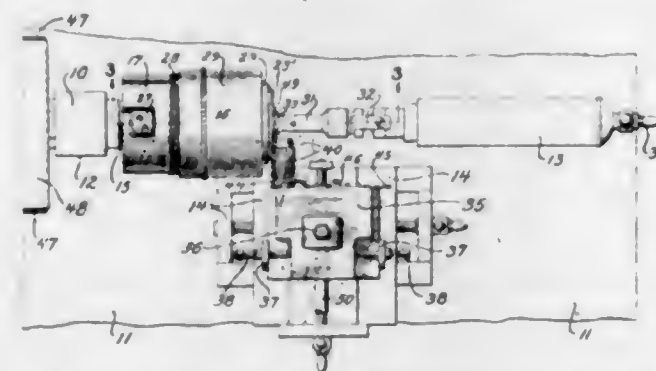
1,520,593. ENGINE OR MOTOR GOVERNOR. HEINRICH MÜLLER, Bremen, Germany, assignor to Aktien-Gesellschaft Weser, Bremen, Germany. Filed Nov. 13, 1922. Serial No. 600,788. 1 Claim. (Cl. 264-1.)



An engine governor comprising a base plate; a governor weight pivoted to said plate; a link connected to said weight; pawls pivoted to said base plate and op-

eratively connected with said link, said pawls being adapted to operate a control lever; and a small weight member pivoted to said plate and provided with a cam, said cam being adapted to contact with one of said pawls to lock it in its outward position on movement of the small weight member.

1,520,594. MACHINE FOR FORMING A RIM ON THE BACK OF WATCHCASES. JOHN MULLER, Beechurst, Long Island, N. Y. Filed Mar. 3, 1924. Serial No. 686,714. 5 Claims. (Cl. 113-52.)



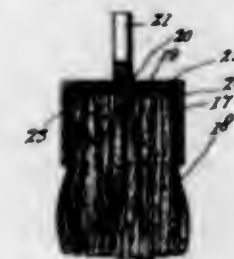
1. A machine of the class described, the combination of a lathe having a head stock and a tail stock, a chuck rotatably mounted on said head stock, means for supporting a piece of work in said chuck, a tool for operation on said work, and means for imparting rotary motion from said chuck to said tool, said last means including a yieldable tooth surface formed on said chuck for co-action with a tooth surface on said tool.

1,520,595. TUBE OF AXMINSTER AND LIKE CARPET LOOMS AND METHOD OF THREADING THE SAME. ERNEST JOSEPH PERRY, Birmingham, England. Filed Oct. 11, 1922. Serial No. 593,838. 2 Claims. (Cl. 130-10.)



1. A carpet loom tube having a longitudinal slit in one of the upright sides of the tube, and also having a vertically widened mouth of substantially rectangular cross section at the eye end, the upper side of said mouth presenting a laterally inclined edge, which leads to said slit to serve as a guide thereinto.

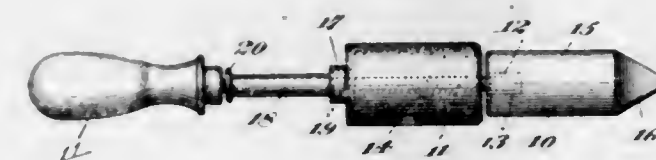
1,520,596. POLISHING TOOL. JOHN K. PRATHER, El Paso, Tex. Filed May 8, 1924. Serial No. 711,936. 1 Claim. (Cl. 15-97.)



A tool of the character described comprising a container having an open bottom and a closed top portion with an opening therethrough, a plate removably and non-rotatively fitted in through the open bottom portion of said container and up against the interior of the closed top part, a shank extending from said plate through the opening in the top portion of the container, and a second plate of substantially the same dimensions

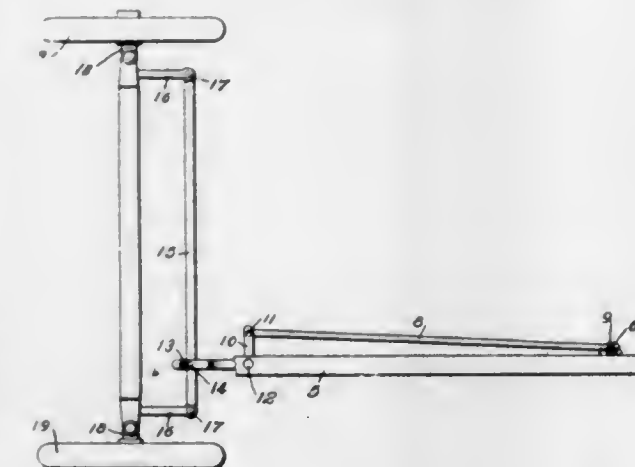
as the interior cross section of the container for fitting removably, snugly and non-rotatively in said container, said last mentioned plate having numerous small ragged projections extending downwardly therefrom, and cleaning material inserted in said container and caught upon said ragged projections.

1,520,597. SOLDERING IRON. ANDREW B. REAVIS, Bethlehem, Pa. Filed June 29, 1923. Serial No. 648,590. 13 Claims. (Cl. 113-105.)



1. A soldering iron comprising a heating element and a jacket construction of heat-insulating material movable to cover and to uncover the heating element with the exception of the tip portion thereof and, when in covering position, circumferentially engaging the heating element to conserve heat.

1,520,598. DEVICE FOR STEERING AUTOS. LEWIS C. REYNOLDS, Los Angeles, Calif. Filed June 16, 1921. Serial No. 478,048. 1 Claim. (Cl. 280-95.)

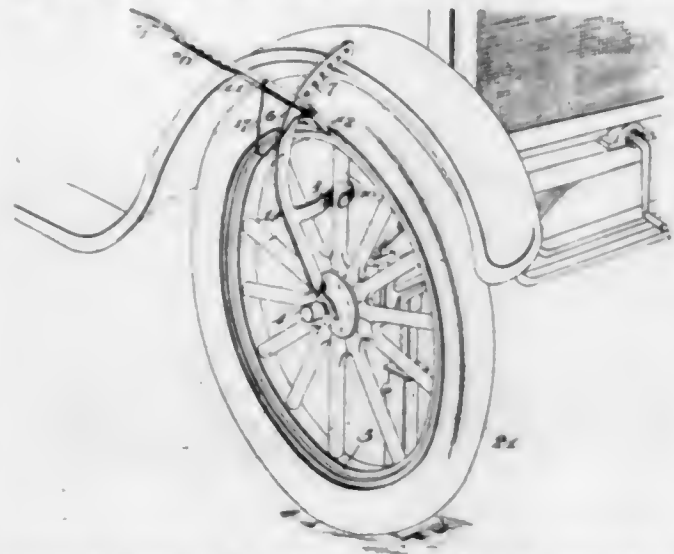


In a device of the class described, an axle having spindles mounted at the ends thereof, arms extending rearwardly from the spindles, a connecting rod for connecting the arms, said arm having a pin extending upwardly therefrom, a bell crank lever having an offset portion formed with an elongated opening to receive the pin and connect the connecting rod to the bell crank lever, an operating rod having connection with the bell crank lever, a controlling arm having a handle at its upper end and having its lower end pivotally connected with the operating rod and said controlling arm being pivotally connected to a support adjacent to its lower end.

1,520,599. TIRE TOOL. JOHN ROY ROBERTSON, Archer, Fla. Filed Dec. 19, 1923. Serial No. 681,560. 2 Claims. (Cl. 157-6.)

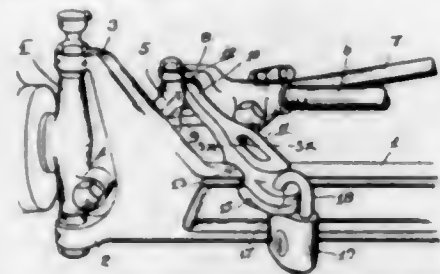
1. A tire tool comprising an elongated supporting member having a forked lower end portion adapted to embrace the hub of a wheel, and a lever adjustably en-

gageable with the upper end portion of said supporting member, said lever having an end portion thereof adapted to engage with a tire for the wheel, said supporting



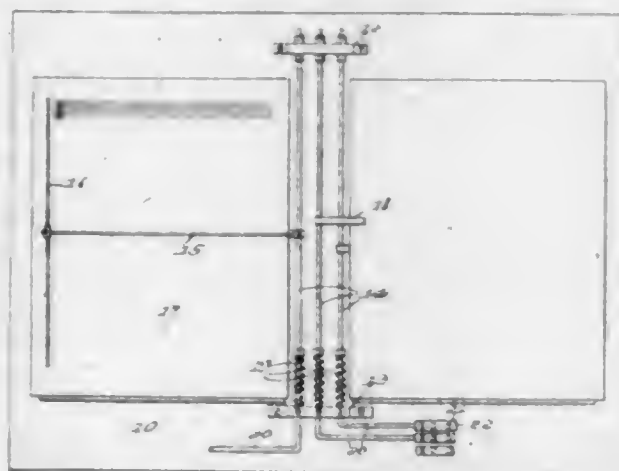
member having a laterally extending arm adapted at its outer end to engage with a spoke of said wheel to stay said supporting member to the wheel.

1,520,600. AUTOMOBILE LOCK. CHARLES L. ROBINS, Rochester, N. Y. Filed Sept. 7, 1923. Serial No. 661,440. 2 Claims. (Cl. 70-90.)



1. In an automobile lock adapted for use on the link connection of the steering gear of an automobile, the combination of a locking bracket, a shoulder formed on the under side of said locking bracket near one end thereof, a lug formed on the under side of said locking bracket opposite to said shoulder, the front axle of the automobile being adapted to engage between said shoulder and said lug to hold said locking bracket against movement transverse to the axle of the automobile, a button pivoted on the under side of said locking bracket, said button being adapted to engage the under side of a flange of the front axle of the automobile and lock said locking bracket to the front axle.

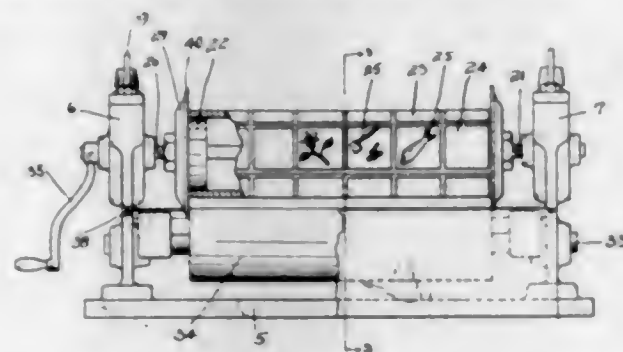
1,520,601. MUSIC-LEAF TURNER. PETER H. SAN SOU, Central Falls, R. I. Filed Aug. 18, 1922. Serial No. 582,782. 2 Claims. (Cl. 84-402.)



2. A music leaf turner having in combination with a suitable desk a spring actuated rocker spindle carrying a radial turning arm, the lower extremity of said spindle

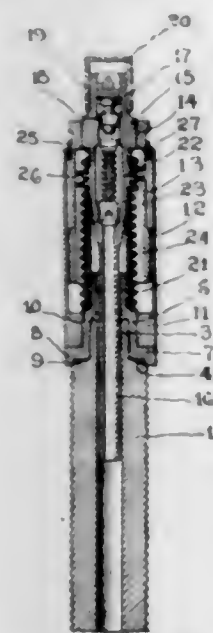
being extended to form a lateral operating arm, a movable trigger for normally holding the operating arm in opposition to the tension of the spindle actuating spring, said trigger comprising a flat spring secured to the face of the desk and provided with a laterally deflected terminal having an eye for engagement by the extremity of the operating arm.

1,520,602. DOUGH-WORKING DEVICE. CHESTER A. SCHMID, Cincinnati, Ohio. Filed Nov. 20, 1922. Serial No. 602,256. 2 Claims. (Cl. 107-10.)



1. In a device of the class described the combination of a pair of spaced standards, a pair of spaced shafts revolubly mounted upon and extending between the standards, a roller mounted on one of the standards, blocks mounted on the second shaft, roller segments mounted on the blocks, and discs mounted on the shaft clamping the roller segments upon the blocks, the discs extending outwardly beyond the roller segments and providing flanges between which the first mentioned roller may extend.

1,520,603. PRESSURE-GAUGE VALVE DEVICE. FRANK J. SCHMIDT, Jersey City, N. J., assignor to David S. Mills, New York, N. Y. Filed July 2, 1924. Serial No. 723,736. 7 Claims. (Cl. 152-11.5.)



1. A pressure gauge and valve device adapted to be permanently secured to a tubular valve sleeve, comprising a securing member internally threaded for securing engagement with the standard threads of the upper portion of the valve sleeve, a sealing washer interposed between the securing member and the valve sleeve, a stationary tubular indicator member threaded upon the securing member, a movable indicator member telescopically fitted within the stationary indicator member, a plunger member threaded within the movable indicator member, a resilient connecting sleeve secured at its upper end to the plunger member and at its lower end to the securing member, a retractile spring fitted within the indicator members and enclosing the resilient

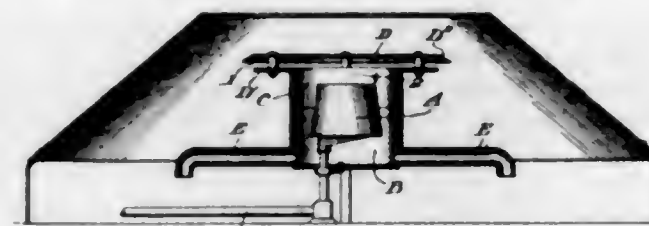
sleeve, said plunger member being of tubular form and having a reduced tubular sleeve extending within the bore of the valve sleeve and formed at its upper portion to receive therein the standard form of air intake valve and provided with a sleeve extension externally threaded to receive the standard size coupling of an inflated device, substantially as described.

1,520,604. SAFETY RAZOR. FRED SENACER, Torrington, Conn. Filed Nov. 28, 1923. Serial No. 677,407. 6 Claims. (Cl. 30-12.)



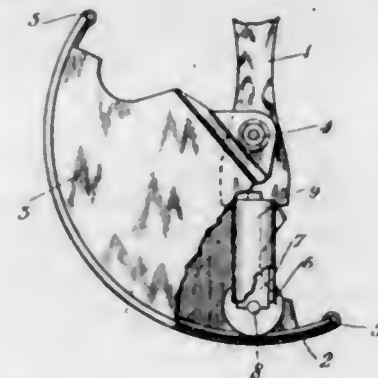
1. In a safety razor, a blade formed in the shape of an oblique parallelogram, a bed-plate to support said blade, a guard adapted to be clamped upon said bed-plate, said bed-plate having a threaded post extending upwardly through said blade and guard, and a locking tube threaded on the end of said post for pressing said guard and bed-plate together to lock said blade therebetween.

1,520,605. HEATER FOR HOVERS AND BROODERS. HENRY M. SHEER, Quincy, Ill. Filed Jan. 16, 1924. Serial No. 686,636. 2 Claims. (Cl. 126-93.)



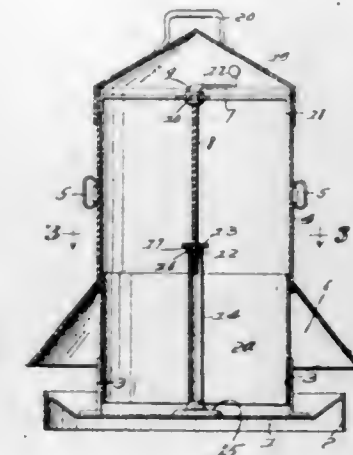
1. A heater including a chamber, a drum or radiator removably supported thereon, and having an integral outwardly extending flange at the upper end thereof, and a spreader supported by the flange and separated therefrom to provide a space for the escape of the products of combustion.

1,520,606. DUPLICATOR. CHARLES SHILLITTO and ARTHUR JAMES HARDY, Eltham, London, England. Filed Jan. 22, 1924. Serial No. 687,795. 5 Claims. (Cl. 101-125.)



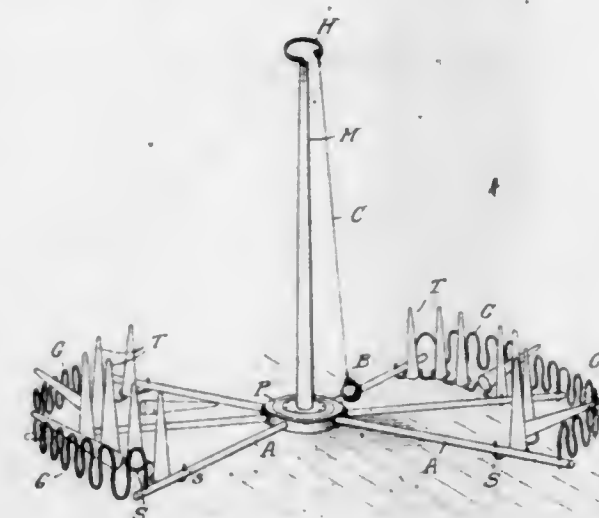
1. A duplicating or stencilling device comprising an arcuate plate adapted to carry a stencil or wax sheet and a layer of absorbent material, such plate having associated with it a roller located above its upper surface and adapted to effect the requisite pressure for feeding impregnating substance with which the absorbent material is adapted to be charged through the cut away portions of the stencil or wax sheet.

1,520,607. FEED HOPPER. MURRAY SMITH, Springfield, Ohio. Filed Feb. 19, 1924. Serial No. 693,926. 3 Claims. (Cl. 119-52.)



1. A device for the purpose indicated comprising a trough, a hopper surmounting the trough, a hopper section telescoping over the hopper and provided with a hood, a tubular column carried by the trough, a screw having a swivel connection with the telescoping hopper section and provided with a crank handle for imparting turning movement thereto, and a sleeve threadably engaged with the screw and having a sliding connection with the column but precluded from turning movement with respect thereto.

1,520,608. GAME APPARATUS. OBERLIN SMITH, Bridgeton, N. J. Filed July 27, 1920. Serial No. 399,244. 4 Claims. (Cl. 273-40.)

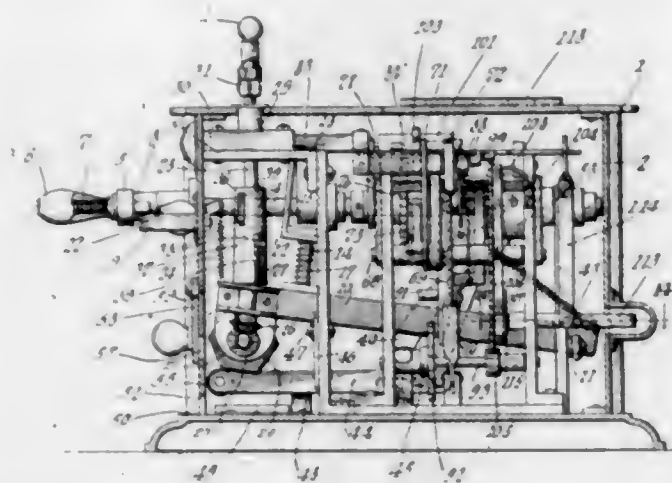


1. A game apparatus of the kind described having a post, a missile movably supported from the post, a base from which the post rises, slender arms radiating from the base, and a single piece of wire extending from one arm to another and connected detachably at its ends to the respective arms, said wire between the arms being bent horizontally to form sockets for the reception of the bases of pins adapted to be struck by the movable missile.

1,520,609. LETTER-STAMPING MACHINE. JOSEPH C. SNOBGRASS, Nashville, Tenn., assignor to Beverly R. McKennie, Nashville, Tenn. Filed May 5, 1924. Serial No. 711,180. 20 Claims. (Cl. 101-94.)

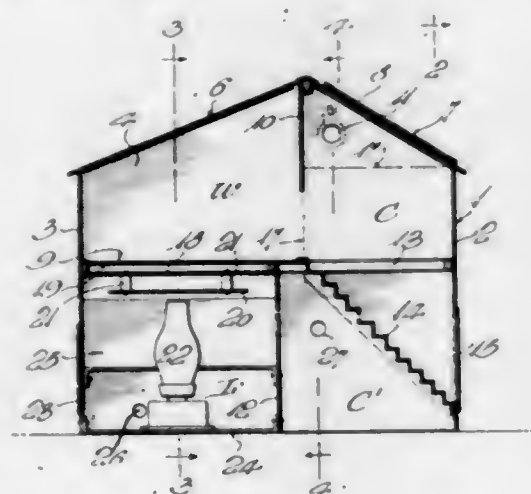
1. In a device of the class described, a printing member, means for moving the printing member toward and away from the matter to be printed, a meter comprising a movable member, means for imparting step by

step movement to the movable member, mechanism for varying the length of said steps, mechanism for operating the printing member to present different portions thereof



to the matter to be printed, and means for operating both of said mechanisms in consonance from a single point of force application.

1,520,610. BROODER. JOSEPH A. STEPHENS, Vermillion, S. Dak. Filed Sept. 4, 1923. Serial No. 660,927. 1 Claim. (Cl. 119—32.)

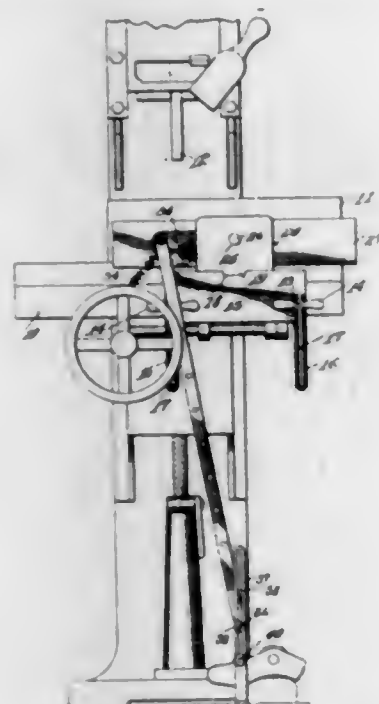


A brooder comprising a rectangular open-bottomed casing, a horizontal floor dividing said casing between its upper and lower extremities, and having a transversely elongated opening in one corner, a runway declining from the inner end of said opening to the front of the casing and having its outer edge contacting with one end of said casing, and a vertical transverse partition rising from the inner edge of said runway through said opening and secured against the inner side edge of the latter and to said front of the casing so make it impossible to gain access from the lower to the upper portion of the casing, a vertical, longitudinal partition extending from end to end of said casing and spaced upwardly from said floor, dividing the space above the floor into a warm air chamber and a cool air chamber, and a second longitudinal partition in the casing below the floor, dividing the space under the floor into a lamp chamber disposed under the warm air chamber, and a cold air chamber under said cool air chamber.

1,520,611. AUTOMATIC WORK HOLDER. JOHN C. STUTZ, Albuquerque, N. Mex. Filed Jan. 29, 1924. Serial No. 689,278. 3 Claims. (Cl. 144—84.)

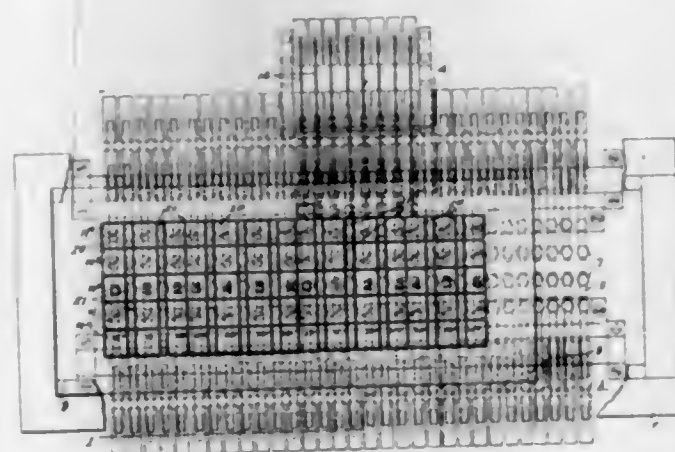
1. The combination with the vertically movable table of a mortising machine, of a work clamp mounted on the table and including a spring pressed element and a

stationary element, a cam associated with the spring pressed element, a cam associated with the stationary element, and means connected with the cam of the spring



pressed element and engageable with an obstruction upon downward movement of the table to rotate said cam and withdraw the spring pressed element from the work.

1,520,612. KEYBOARD AND ATTACHMENT CONTROLLED THEREBY FOR MUSICAL INSTRUMENTS. MARIA DOMINGUEZ SUAREZ, Azpetia, Guipuzcoa, Spain. Filed Dec. 29, 1919. Serial No. 348,224. 9 Claims. (Cl. 84—42.)



7. In a musical instrument, sound-producing means, secondary keys for actuating said means, rails above said secondary keys, and a keyboard slidably supported on said rails, said keyboard having playing keys chromatically arranged in rows of twelve keys each one behind another, and plungers connected with the playing keys to engage the secondary keys.

1,520,613. PLIERS. HANS HILBERT TRIM, Enumclaw, Wash. Filed Feb. 4, 1924. Serial No. 690,631. 3 Claims. (Cl. 294—44.)

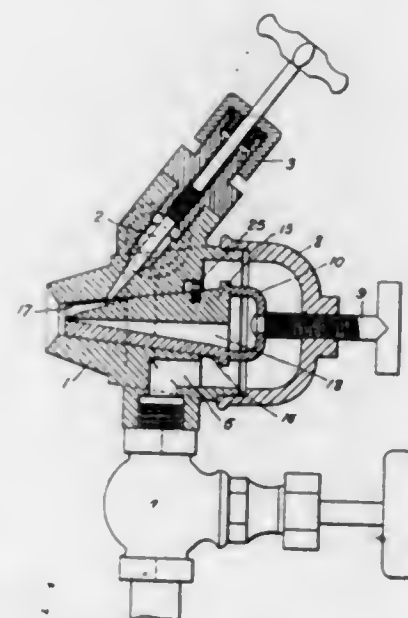
1. A tool of the class described comprising a jaw member, a lever member, a handle for each member, a movable jaw member having a number of fulcrum points, a projection on the lever member for engaging any one

of these points, means for movably connecting the movable jaw member with the first jaw member, such means comprising a shiftable member, a link connecting the



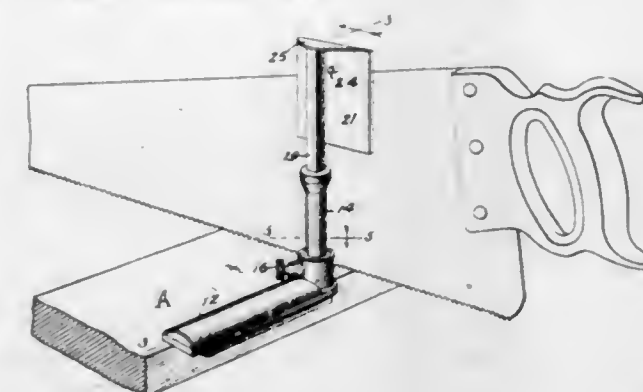
same with the pivotal point of the jaw and lever member and means for locking the shiftable member to either the jaw member or the lever member.

1,520,614. ATOMIZER OR LIQUID-FUEL BURNER. HERBERT ALEXANDER THOMPSON, Morpeth, England. Filed Mar. 19, 1924. Serial No. 700,320. 10 Claims. (Cl. 158—75.)



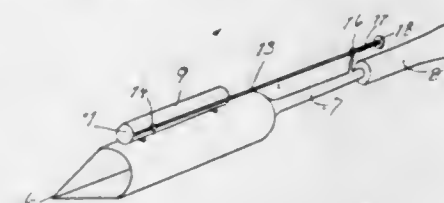
7. An oil burner of the type referred to comprising the combination of a longitudinally divided coned plug having formed between its contiguous faces an air passage in the form of a tapered groove cut in one of said faces and opened out laterally at its exit, the said divided plug being also provided with an oil passage cut in its outer face and in the form of a groove with its base inclined towards the exit of the air passage, a body part through which the said plug passes and in which it is seated, said body having an oil supply passage communicating with the oil passage of the plug, a cover screwing onto the rear end of the body part and forming an air receiving chamber enclosing the rear end of the divided plug, a spindle screwed through the cover and having external operating means, and a swivelling stirrup like member mounted on the inner end of the spindle and bearing upon the two members of the divided plug.

1,520,615. SAW GUIDE. JOSEPH H. THOMPSON, Cincinnati, Ohio. Filed May 2, 1923. Serial No. 636,212. 2 Claims. (Cl. 143—89.)



1. A saw guide including a base, a tubular guide standard turnably adjustable on said base at one end, means to hold the standard in adjusted position, and a saw guide element presenting a broad surface, fingers parallel with the face of said guide element and spaced therefrom to accommodate the saw, a pin projecting laterally from the face of said guide element approximately central between said fingers, a lateral flange on said element at the back, and a depending element rigid with said flange and having free guided vertical movement in said tubular standard; said depending element being constrained to partake of the turning movements of said standard but restrained against turning movement relatively to the standard.

1,520,616. SOLDERING IRON. STUART R. THORNTON, Berkeley, Calif. Filed Oct. 27, 1923. Serial No. 671,205. 1 Claim. (Cl. 113—109.)



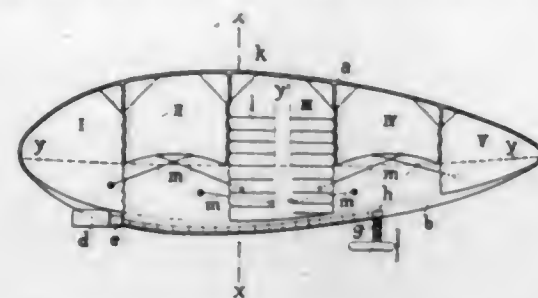
In a device of the character described, a reservoir adapted to be secured to a soldering iron at a point outside of its periphery in such a manner as to receive heat therefrom, said reservoir being tubular in shape and having a flared open end, a valve slidably secured in the open end of said reservoir, said valve having a groove formed in its lower portion and adapted to discharge melted metal from said reservoir to said soldering iron, a rod secured to said valve and slidably holding said valve to said soldering iron, said rod being capable of longitudinal movement for the purpose of controlling the movement of said valve, for the purpose specified.

1,520,617. LENS. EDGAR D. TILLYER and ANNA ESTELLE GLANCY, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 17, 1922. Serial No. 553,574. 5 Claims. (Cl. 88—54.)



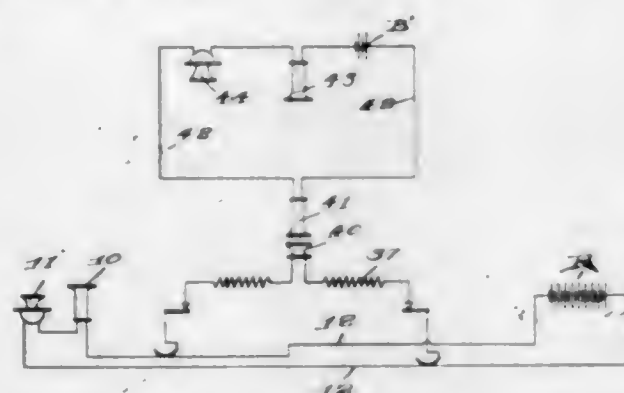
1. A two part bifocal lens comprising a major blank having a toric countersink formed therein and a segment of different refractive index secured within and filling the countersink, for the purpose set forth.

1,520,618. TAUT AIRSHIP. AUGUST VON PARSEVAL, Berlin-Charlottenburg, Germany. Filed Feb. 16, 1924. Serial No. 693,293. 7 Claims. (Cl. 244—3.)



1. The taut-shell airship comprising the combination with a fluid containing balloon, and an outer protecting envelop for said balloon and a plurality of gas containing cells in the interior thereof, of tensional means connecting the lower portions of said cells to the protecting envelop and substantially extending in parallelism to the axis of the balloon, and adapted to prevent lateral displacement of the lower portions of the cell during the up-and-down movement of the same.

1,520,619. THIRD-RAIL TELEPHONE. CHARLES W. WALKER, Jersey City, N. J.; David N. E. Campbell, Brooklyn, N. Y., administrators of the said Charles W. Walker, deceased. Filed Sept. 26, 1922. Serial No. 590,687. 6 Claims. (Cl. 246—9.)

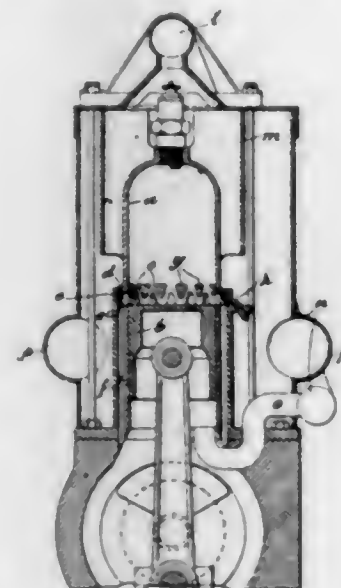


5. In a device of the kind described, an upper housing, a lower housing, a pair of guide sleeves in said lower housing, insulating bushings in said guide sleeves, said bushings and sleeves having aligned guide slots, insulated posts in the upper and lower housing, a stem slidably mounted in each of the insulating bushings, a spring contact member carried by each of said posts, and extending down along the guide sleeves opposite the respective guide openings, contact pins projecting through said openings from said stems and engaging said contact springs, a contact shoe carried on the lower end over each stem, springs urging said contact shoes downward, a receiver-transmitter in the upper housing, and electrical connections between said posts and receiver, said electrical connections including binding posts extending through the bottom and upper housing and insulated therefrom, the lower ends of said binding posts being in contact with the upper ends of the first mentioned posts, resistance coils in the upper housing, a connection between each binding post and the respective resistance coil, and a connection between each resistance coil and the receiver-transmitter.

1,520,620. INTERNAL-COMBUSTION ENGINE. ARTHUR WILLIAM WALL, Sheldon, near Birmingham, England, assignor of three-fourths to John White, Birmingham, England. Filed July 5, 1923. Serial No. 640,653. 8 Claims. (Cl. 123—73.)

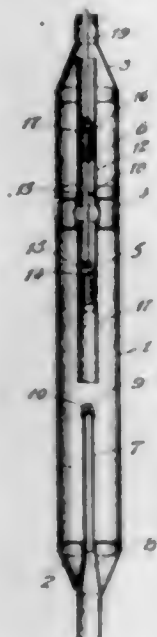
1. An internal-combustion engine, which comprises, in combination, a cylinder and a piston arranged to reciprocate in said cylinder, said cylinder having exhaust

openings arranged therearound in a direction transverse to the longitudinal axis and inlet openings arranged therearound in a direction transverse to the longitudinal



axis thereof, said exhaust openings and said inlet openings being arranged to overlap one another in the direction of the longitudinal axis of the cylinder, and in a direction transverse thereto.

1,520,621. RECTILINEAR PUMP. HERBERT H. WATKINS, Homer, La. Filed May 29, 1924. Serial No. 710,809. 3 Claims. (Cl. 102—179.)

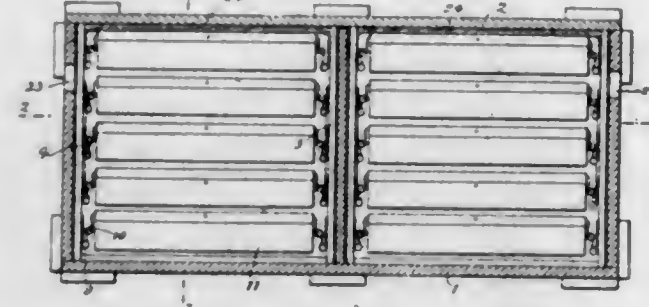


1. A pump of the character described comprising a barrel having inlet and outlet ports in its opposite ends, and divided into superposed compartments, a sand valve arranged in the barrel in proximity to its inlet port, a cylinder disposed longitudinally of the barrel and fixedly supported therein, a valved piston working in that portion of said cylinder within the lower barrel compartment, a solid piston working in that portion of said cylinder within the upper barrel compartment, a portion of the cylinder within the upper compartment having ports in the same, and means for collectively connecting said pistons and permitting the transmission of rectilinear motion thereto.

1,520,622. EGG CARRIER. EDMOND F. WATSON, Sr., Bentonville, Ark. Filed Apr. 5, 1924. Serial No. 704,472. 5 Claims. (Cl. 217—54.)

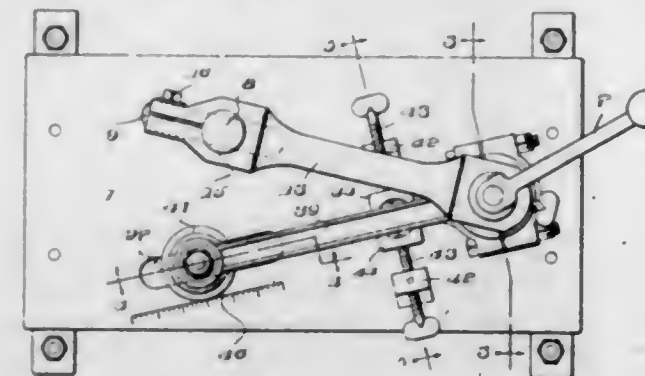
1. In an egg carrier of the character described, a plurality of cartons arranged in said carrier and a plu-

rality of springs for supporting each carton, each of said springs being formed with a section for receiving



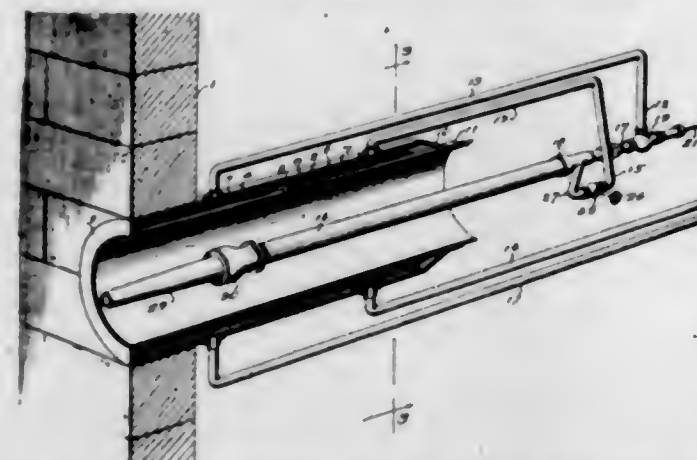
fastening means whereby it may be fastened to a support, a coiled section for affording greater resiliency, and a bent or hook portion connected with the cartons.

1,520,623. DEVICE FOR BORING CONNECTING RODS, BUSHINGS, ETC. HENRY HARRY WEISKOFF, Wilson Borough, Pa. Filed May 1, 1923. Serial No. 635,990. 6 Claims. (Cl. 77—2.)



1. In a device of the character described, a vertically disposed rotary tool carrying shaft, a horizontally disposed bar for supporting the shaft, means for supporting a connecting rod so as to dispose said rod and bar at oblique angles to each other for a working action of the tool carried by the shaft on a bearing portion of said rod, both the bar and the rod supporting means being adjustable toward and from the shaft and to different positions of elevation, and means for applying rotary motion to the shaft.

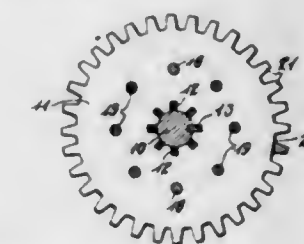
1,520,624. PROCESS OF BURNING LIQUID FUELS. ROBERT W. WIEDERWAX, Atlantic City, N. J., assignor to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Filed Mar. 8, 1923. Serial No. 623,724. 14 Claims. (Cl. 158—117.5.)



1. The herein described process which comprises pre-heating the fuel to a temperature below its point of vaporization, delivering it to a burner pipe, then suddenly heating it in said burner pipe to a temperature above its point of vaporization, mixing such fuel in

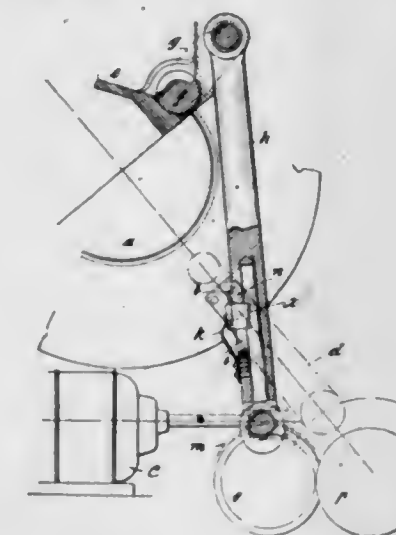
said burner pipe with an aeriform fluid adapted to coact therewith in the vaporizing of such fuel, whereby the fuel is rapidly transformed into aeriform condition, and burning the fuel.

1,520,625. GEAR WHEEL. DAN WIGLEY, Binghamton, N. Y. Filed Oct. 24, 1923. Serial No. 670,497. 3 Claims. (Cl. 74—28.)



2. A gear wheel comprising three or more tooth-bearing gear members disposed side by side for relative adjustment about a common axis, said members having corresponding sets of tooth portions cooperating to form the teeth of the gear and being relatively adjustable so that a broken tooth portion of one member may be moved opposite an unimpaired tooth portion of an adjacent member whereby the broken tooth portion may be partially replaced, and means for fastening the said members together in their adjusted position.

1,520,626. AUTOMATIC MACHINE FOR CASTING STEREOPLATES. CARL WINKLER, Berne, Switzerland. Filed Mar. 20, 1923. Serial No. 626,348. 2 Claims. (Cl. 22—71.)

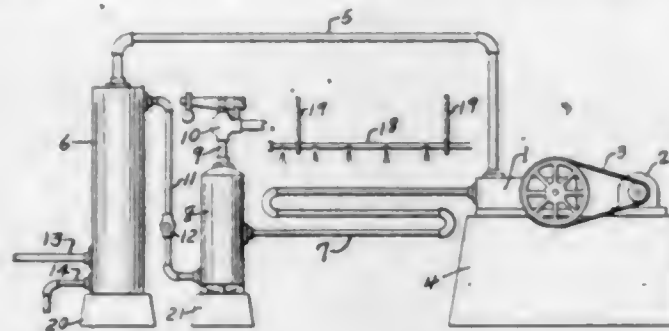


1. An automatic machine for casting stereo-plates, comprising in combination, a pot having a slot in the bottom, a cock in said pot to open and close said slot, a mould adapted to be moved against and away from said pot, a crank adapted to be periodically rotated, a connecting rod attached to said crank, a lever attached to said cock, a second connecting rod attached to said lever and having a telescopic connection with said first connecting rod, a pawl adapted to connect said connecting rods to form one whole, a tappet on said mould adapted to release said pawl until said mould reaches its casting position, substantially as, and for the purpose, set forth.

1,520,627. PROCESS OF RECOVERING NATURAL GAS GASOLINE FROM NATURAL GAS. MALCOLM P. YOUNG, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a Corporation of Delaware. Filed Apr. 9, 1923. Serial No. 630,764. 4 Claims. (Cl. 183—114.6.)

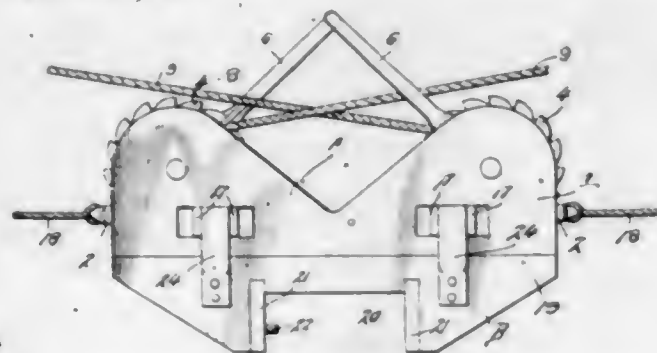
1. That step in the process of recovering a gasoline product of a desired volatility from a hydrocarbon gas,

which consists in treating a hydrocarbon mixture to obtain a vapor component, compressing said component in the condition in which it is obtained from said treat-



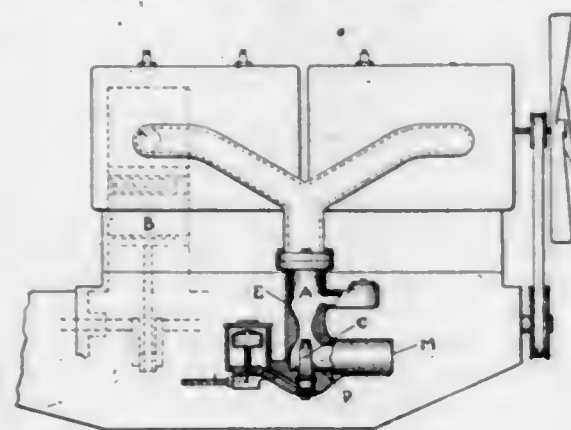
ment to liquefy the same, and returning the liquid to the sphere of treatment of said hydrocarbon mixture in intimate contact with the hydrocarbon mixture.

1,520,628. COMBINED WIRE STRETCHER AND SPLICER. CARL H. ANDERSON, Roseglan, N. Dak. Filed Apr. 18, 1922. Serial No. 554,997. 3 Claims. (Cl. 234-163.)



1. A combined wire stretcher and splicer comprising a body having lugs formed on the sides thereof, a base, standards connected to the base and adapted to be received between the lugs on the body, drums rotatably mounted in the body and means for rotating the drums.

1,520,629. FUEL NOZZLE FOR CARBURETORS. ARTHUR PRESCOTT BARKER, Lynn, Mass. Filed Feb. 26, 1923. Serial No. 621,175. 5 Claims. (Cl. 281-1.)

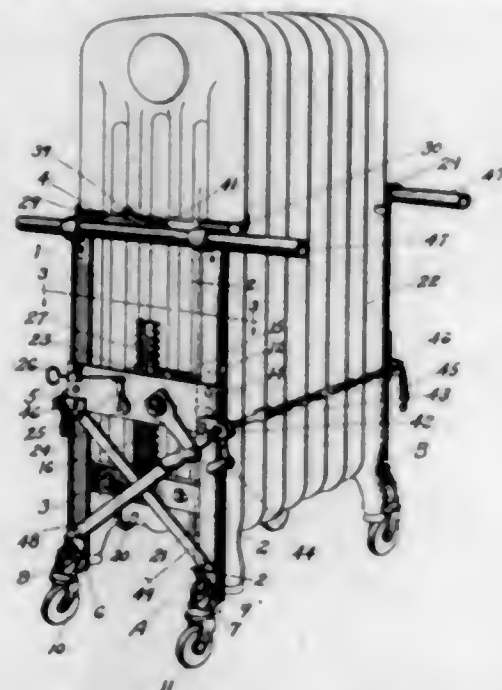


1. A fuel nozzle for carburetors presenting a bell mouth and grooved to provide a series of exterior vertical grooves extending into the bell mouth and a series of horizontal grooves extending between the vertical grooves.

1,520,630. RADIATOR TRUCK. THEODORE E. BATEMAN, St. Joseph, Mo., assignor of forty-nine one-hundredths to C. A. Fisu, Chillicothe, Mo. Filed Mar. 16, 1923. Serial No. 625,507. 2 Claims. (Cl. 234-6.)

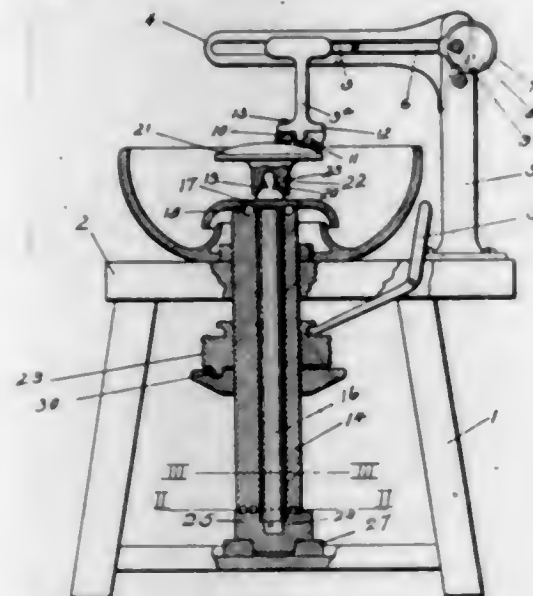
1. A radiator truck comprising separate truck members each consisting of spaced channel end bars, cross

bars connecting the end bars, a cross bar slidable in the end bars, means on the slidable cross bar for supporting a radiator, rack and pinion connection between



the slidable cross bar and one of the connecting cross bars, and means on one of the connecting bars for clamping the member to a radiator.

1,520,631. LENS-GRINDING MACHINERY. GILBERT S. DEY and HARRY W. HILL, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 9, 1919. Serial No. 343,494. 7 Claims. (Cl. 51-119.)

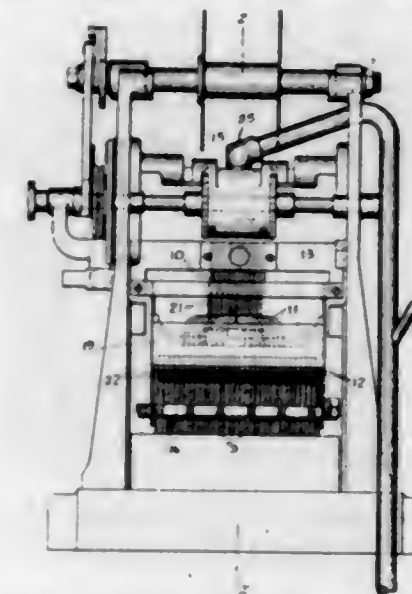


1. In a machine of the character described, a pair of slides adapted to slide at right angles to each other, a shaft having one end mounted on the slides, an abrading tool mounted on the shaft, a tubular shaft having an eccentric bore surrounding said first mentioned shaft, and means for rotating the tubular shaft to impart a circular motion to the tool through the inner shaft, and means to prevent rotation of said inner shaft around its own axis.

1,520,632. TYPOGRAPHIC COMPOSING MACHINE. RICHARD CORNELIUS ELLIOTT, Pimlico, London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Jan. 6, 1923. Serial No. 611,120. 5 Claims. (Cl. 164-112.)

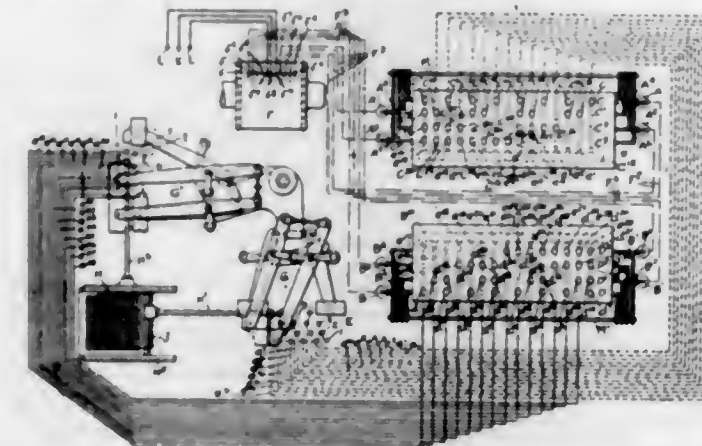
1. A keyboard composing machine comprising a series of motor driven bars operated by the depression of keys,

a series of individually slidable members said members being less in number than said bars and being, provided selectively with projections, a punch secured to each



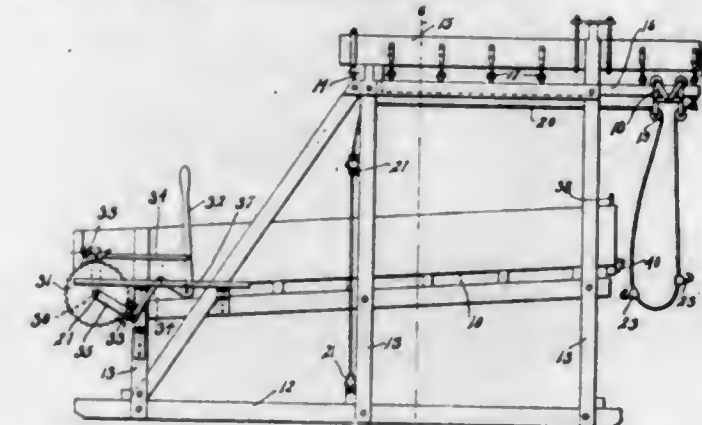
member, said projections being adapted to contact with said bars, whereby the bars operate selectively the punches.

1,520,633. AUTOMATIC TYPOGRAPHIC OR TYPE CASTING AND COMPOSING MACHINE. RICHARD CORNELIUS ELLIOTT, London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Jan. 19, 1923. Serial No. 613,756. 3 Claims. (Cl. 199-77.)



1. In an automatic or record strip controlled type casting machine, the combination with a series of gaging devices, of control valves therefor arranged in separate series, with intercommunicating conduits, and a separate signal responsive motor for each series of valves.

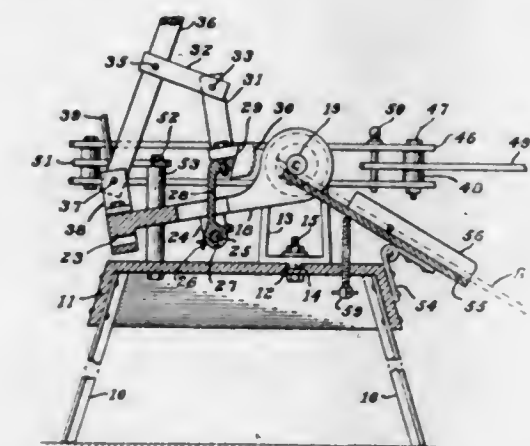
1,520,634. FEEDING MACHINE. NELS P. B. ESKILDSEN, Hampton, Nebr. Filed Sept. 15, 1923. Serial No. 662,873. 2 Claims. (Cl. 214-89.)



2. A feeding machine comprising a trough open at one end, a load hoisting apparatus at one end thereof, means whereby the hoisting apparatus may be moved

inward to deposit the load within the trough, pivotally mounted vertically disposed spring elevated arms located at one end of the trough in the path of and adapted to be depressed by the load as the latter enters the trough to prevent movement of said load in an opposite direction and means for feeding the load to the opposite end of the trough.

1,520,635. LEAF-SPRING-EYELET-FORMING MACHINE. WILLIAM EVANS, Philadelphia, Pa., assignor to John Evans' Sons Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 18, 1922. Serial No. 607,664. 2 Claims. (Cl. 153-40.)



1. In a device of the class described, the combination of a supporting device, an operating frame rotatably supported thereby, an adjustable work support and guide, co-operative with said frame, a mandrel supported concentric with the axis of said frame, a jaw rotatably mounted on said frame and adapted to grip material interposed between said jaw and said mandrel, and a handle pivotally mounted on said frame and connected to said jaw for first operating said jaw and thereafter operating said frame.

1,520,636. ARTIFICIAL FISH BAIT. WINFIELD W. FELKER, Racine, Wis. Filed Oct. 15, 1921. Serial No. 507,836. 5 Claims. (Cl. 43-46.)

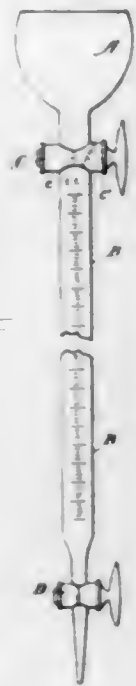


1. In an artificial fish bait or lure, a body, having its major portion circular in cross section, a plurality of hooks carried by said body, the forward end of said body being provided with a plurality of flat polygonal faces disposed at obtuse angles one to the other, said forward end being cut to provide a pair of inclining surfaces inclined rearwardly and inwardly towards the required location in the body and forming a mouth, and a line attaching eye at the apex of said mouth.

1,520,637. BURETTE. JOHN PETER FRANK, Papakou, Territory of Hawaii. Filed Mar. 23, 1923. Serial No. 627,230. 2 Claims. (Cl. 23-259.)

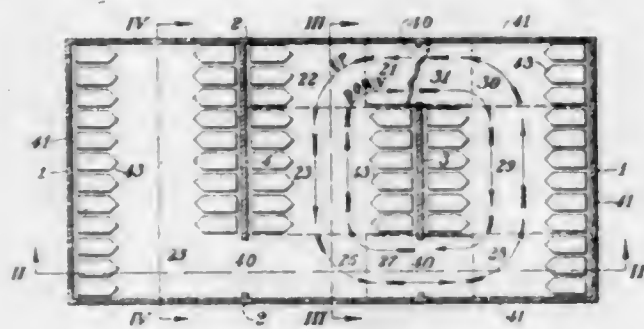
1. In a burette, in combination, a hollow shaft portion having graduations thereon, a funnel at the upper end thereof and having a vertical passage registering with the bore of the said shaft, a stop-cock having a transverse passage adapted to connect the passage between the funnel and the bore of the shaft, said stop-cock also provided with a second passage operably connected with the said bore and leading outside the con-

tainer above the stop-cock to permit escape of air from the shaft when filling, and to prevent entrance of extraneous matter to said shaft when the aforesaid stop-



cock is in passive position, said stop-cock passages adapted to be simultaneously opened and closed, and means for discharging the contents of said shaft at its lower end.

1,520,638. BUILDING. JAMES J. GAFFNEY and CARL J. EPPING, Louisville, Ky.; said Epping assignor to said Gaffney. Filed Nov. 14, 1922. Serial No. 600,886. 7 Claims. (Cl. 20—1.13.)

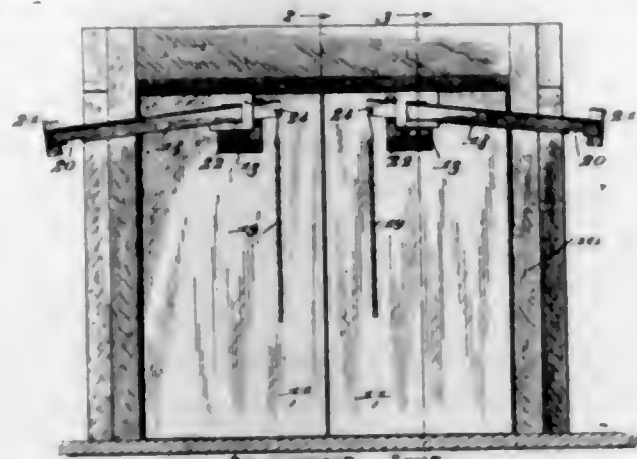


1. A building having superimposed level storage floors, and other storage floors portions of which lie in level planes at staggered elevations, each of said latter floors also including slanting storage portions oppositely inclined and connecting its level portions along spaced vertically parallel planes, and oppositely inclined ramps connecting the level portions transversely with respect to said slanting portions and forming therewith circuitous driveways portions of which open onto the first mentioned level floors.

1,520,639. DOOR HOLDER. GEORGE A. GARLOW, Cincinnati, Ohio. Filed Feb. 13, 1924. Serial No. 602,530. 2 Claims. (Cl. 292—262.)

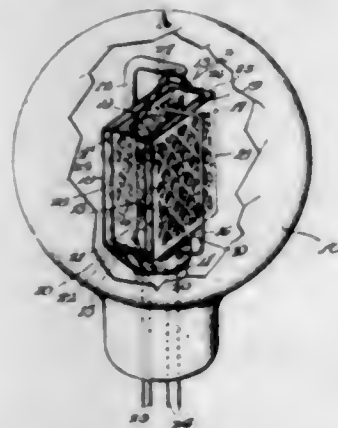
1. A swinging door holder including a lever having a notch in its lower edge adjacent to one end and a cross piece beyond the notch and having a flexible pull connection at its opposite end, a bracket attachable to a door frame having an aperture through which the first mentioned end of the lever extends, a bracket attachable to a door having vertically spaced horizontally projecting tongues between which the outer portion of the lever extends, said lever having a vertically disposed

bearing intermediate its ends, and nearer to its chain carrying end and being of less width than the space between said bracket tongues, and a pivot pin depending



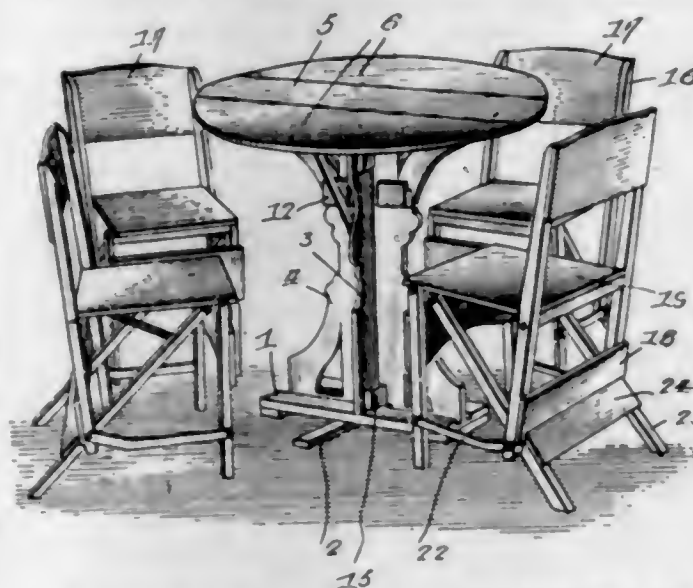
through said ears and through said bearing member of said lever, the pin being of less diameter than the bearing member for the purpose described.

1,520,640. THERMIONIC DEVICE. GEORGE L. GEISEY, Steubenville, Ohio. Filed Nov. 20, 1922. Serial No. 602,197. 9 Claims. (Cl. 250—27.)



8. A thermionic device including a cathode, anode and grid therebetween having spaced openings, and means on said anode associated with said openings whereby the distance between the effective surface of the anode and the cathode is reduced while the capacity coupling between the anode and grid is not substantially increased.

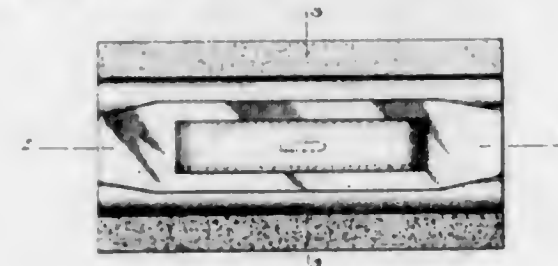
1,520,641. FURNITURE SET. NAPOLEON GIARD, St. Michel de Rougemont, Quebec, Canada. Filed Feb. 18, 1924. Serial No. 603,072. 2 Claims. (Cl. 155—123.)



1. A furniture set comprising a table including a base, pedestal, top, and a bracket secured to said pedestal, in combination with a chair including a pair of back rails,

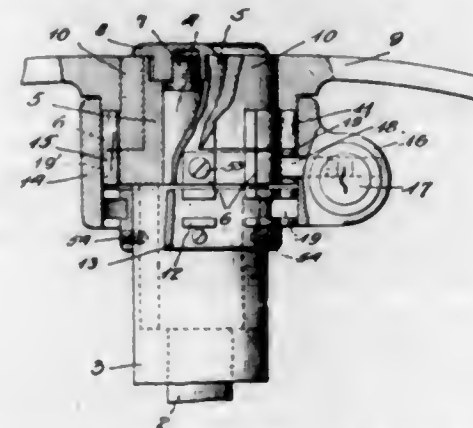
a strip secured across the lower ends of said rails, a seat pivoted to said rails intermediate the ends thereof, forward rails pivoted to the forward end of said seat, diagonal rails pivoted to the forward end of said seat and adapted to pass across the lower ends of said back rails, a supporting strip extending across the lower ends of said diagonal rails and adapted to support said first named strip, said first named strip being adapted for reception in said bracket.

1,520,642. SANDPAPER HOLDER. GILBERT AUGUST GIBOUX, New Orleans, La. Filed Oct. 5, 1923. Serial No. 666,815. 3 Claims. (Cl. 51—187.)



1. A sandpaper holder which includes a cover portion, a body portion to be clamped thereto, a screw, means engaging the body and the cover portion to clamp them together, a plate on the cover portion having an aperture through which the screw passes, a flexible handle on the cover portion, the ends of which handle are disposed beneath the plate to be clamped therebeneath by the action of the screw.

1,520,643. LOCKING MEANS FOR THE STEERING MECHANISM OF MOTOR VEHICLES. CLARENCE A. GODSHALK, Philadelphia, Pa., assignor to Fox Automotive Products Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 16, 1923. Serial No. 612,983. 9 Claims. (Cl. 70—129.)



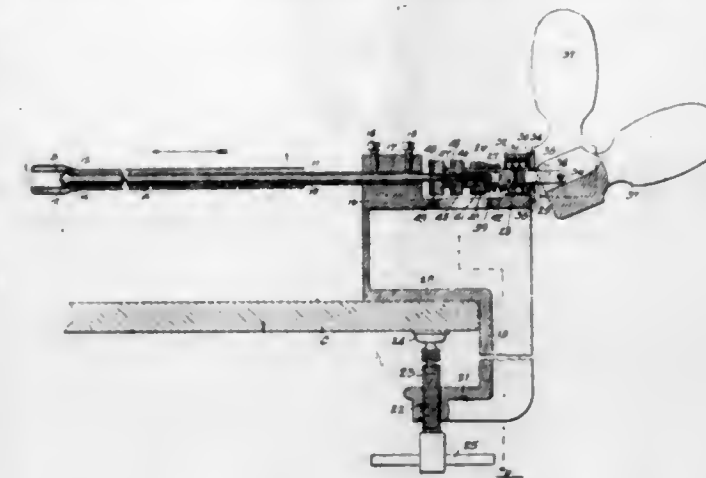
1. The combination with a steering shaft and a hand wheel for operating it, of means by which the wheel may be connected with the shaft or left free to turn relative thereto, means by which the shaft may be locked against rotation or left free to turn, and shifting means including a sleeve concentric with the steering shaft co-operating with both the said wheel-connecting and the shaft-locking means, and arranged when adjusted to one position, along lines parallel with the axis of the steering shaft to cause the wheel and shaft to be united, and when adjusted to another position to release the wheel from the shaft and at the same time lock the shaft against rotation.

1,520,644. TURNOVER MACHINE. LOUIS GOLDSTEIN, Brooklyn, N. Y. Filed Feb. 17, 1923. Serial No. 619,723. 6 Claims. (Cl. 223—20.)

1. An apparatus for inverting flexible tubular structures, comprising a spindle including inner and outer axially movable members respectively provided with complementary gripping faces at the adjacent ends of the members, means at the opposite end of the spindle for

329 O. G.—64

effecting relative axial movements of said members and for retaining the same in their relatively axially moved positions, and an adjustable means of connection be-



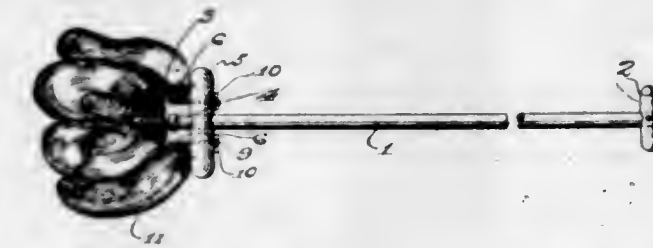
tween said means and the inner spindle member for regulating the spacing between the gripping faces when in gripped position to compensate for various thicknesses in the flexible structure to be inverted.

1,520,645. SOLDERING IRON. HENRY J. GREVERS and JERALD DORSA, Brooklyn, N. Y. Filed Oct. 19, 1923. Serial No. 669,454. 3 Claims. (Cl. 113—109.)



1. A soldering iron comprising a soldering head, a shank and a handle extending from said head, a reservoir in said head, a dividing wall in the reservoir, said head having a vent communicating with the nose and the reservoir, said vent having a conical seat at one end, a valve normally resting on said seat closing the vent, a flange on said valve, said head having a channel, a stem slidable in said channel and rigid with the valve flange, the rear end of said stem being twisted about the shank, a spring on said shank behind the twisted end of the stem, said spring being adapted to normally urge the stem forward to close the valve, and a trigger extending from the twisted end of said stem for opening said valve.

1,520,646. MOP. HENRY A. HANSON, Chicago, Ill. Filed Nov. 6, 1922. Serial No. 599,342. 2 Claims. (Cl. 15—120.)



1. In a mop, a handle, an eye carried at one end of the handle, a cross bar slidably and rotatably mounted upon said handle, a pair of substantially U shaped bolts carried by said cross bar, and a fabric mop head passed through said eye and said U shaped bolts.

1,520,647. FLOWER POT COVER. JAMES T. HENNEGAN, Cincinnati, Ohio. Filed Apr. 26, 1924. Serial No. 709,103. 1 Claim. (Cl. 41—10.)

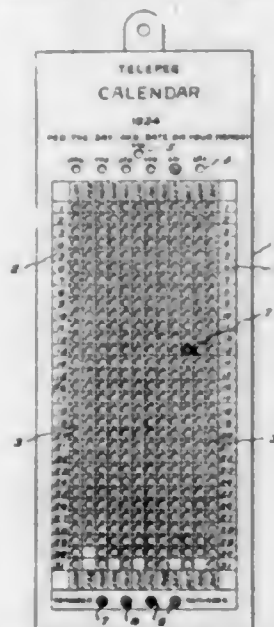
In a flower pot cover of the character described, comprising a blank for fitting over the periphery of a flower

pot, provided with a locking flap at one end and engaging means at its opposite end, for engagement with said



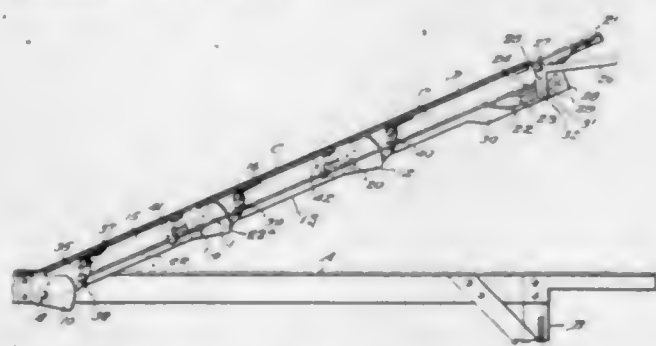
flap, to lock the cover in its place, said cover provided with slits capable of allowing a strip of raffia or ribbon to be placed therethrough and connected at its back.

1,520,648. CALENDAR. AMOS SHACKLETON HOLT, Glen Kiddle, Pa. Filed Feb. 18, 1924. Serial No. 693,699. 4 Claims. (Cl. 40-107.)



4. As a new article of manufacture, a calendar comprising a body having printed on the face thereof adjacent its opposite edges, rows of numbers in sequence to indicate the days of the month, said body between said rows being divided into columns to represent the months of the year, and each of said columns being cross-divided and perforated to provide a perforation for each day of the month, and a peg for insertion in said perforation, said body provided with a plurality of perforations positioned above said columns, said last named perforations being provided to indicate the days of the week and a peg of different appearance than said first named peg for cooperation with the last mentioned series of perforations, said body provided with a series of perforations below said first mentioned perforations, said last named lower perforations being provided for retaining remainder pegs, and a plurality of remainder pegs of different appearance from the day and date indicating pegs.

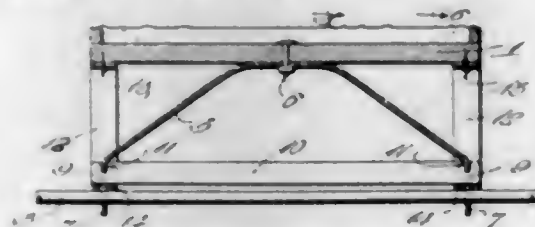
1,520,649. ADJUSTABLE COT. HOMER E. HOPE, Princeton, N. J. Filed Apr. 21, 1923. Serial No. 633,704. 4 Claims. (Cl. 5-66.)



1. In a cot, sectional bars pivoted upon the inner sides of the rails thereof, handles on the ends of said bars, grips pivotally connected with said handles, toothed

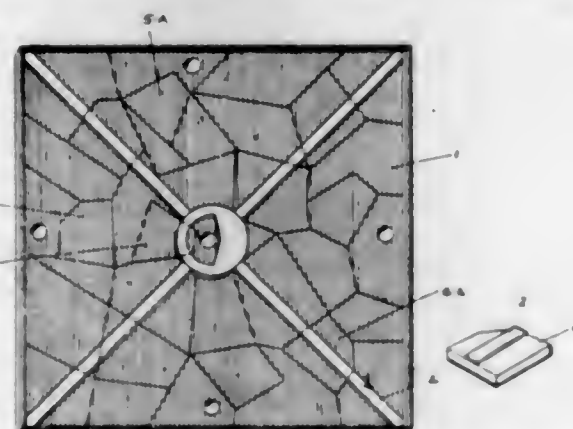
segments secured upon the side rails of the cot adjacent the pivotal connections of the sectional bars therewith, other toothed segments on the sections of the bars at the pivots thereof, latch members connected with said grips and cooperating with said segments, and bolts slidable within retaining members on the sections and connected with the respective latch members whereby to be slid across the joints of the bar sections whereby to hold them rigid when the grips are operated.

1,520,650. BOLSTER AND AXLE ASSEMBLY FOR CHILDREN'S WAGONS. FRANK HORNQUIST, Mount Jewett, Pa. Filed July 2, 1923. Serial No. 649,117. 4 Claims. (Cl. 250-87.5.)



1. A wagon bolster comprising an arched metal bar, an axle engaged with the ends of said arched bar, and a tie-bar extending between the ends of said arched bar and held in engagement therewith by said axle.

1,520,651. COMBINATION PUZZLE AND GAME. WILLIAM C. IRWIN, Rochester, N. Y., assignor of one-half to Frank J. Hunt, Rochester, N. Y. Filed July 31, 1923. Serial No. 654,946. 3 Claims. (Cl. 273-157.)



2. In a combination puzzle and game, the combination of a single series of blocks having irregular outlines adapted to interlock with one another and having a portion of a picture, plan or chart provided at the top thereof, said blocks being adapted to be interchanged to form one predetermined picture, plan or chart into another picture, plan or chart having the same combined outline with the same single series of blocks and the same portions of the picture, plan or chart provided thereon.

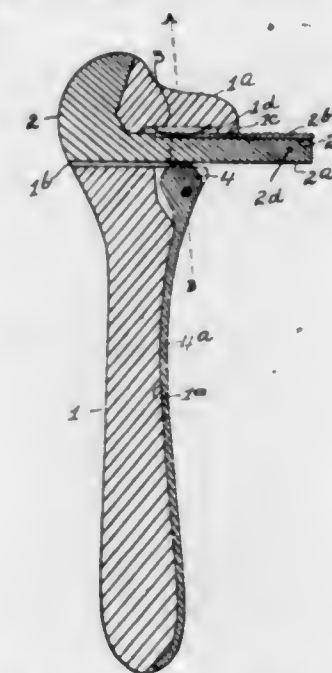
1,520,652. MATERIAL-HANDLING APPARATUS. LAURITZ DORENFELDT JENSEN, Lokken Verk, near Trondhjem, Norway. Filed Oct. 6, 1922. Serial No. 592,799. 6 Claims. (Cl. 214-109.)



1. In an apparatus for loading bulk material into containers, the combination of a transporting trolley, an inclined plane tiltably carried by the trolley, a winch arranged above the inclined plane and carried by the

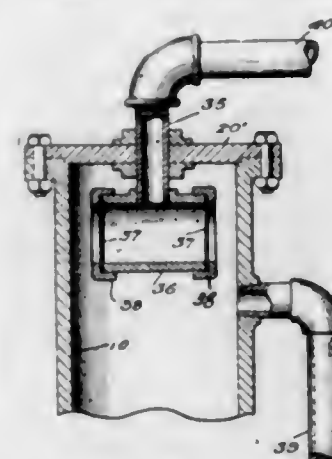
same, so as to be located vertically above the tilting axis when said plane is horizontal, an endless wire or chain system driven by the winch and containing a travelling shovel and a portion extending considerably forwardly in front of the device in order to carry goods on to the inclined plane, and an anchoring device serving to take up the pull from the endless wire.

1,520,653. WRENCH. HENRY O. JOHNSON, Virginia, Minn. Filed Feb. 25, 1922. Serial No. 539,202. 3 Claims. (Cl. 81-143.)



1. In a wrench, the combination of a stationary member comprising, an operating handle and a fixed jaw, said stationary member being transversely apertured, an adjustable jaw provided with a shank adapted to extend through said transverse aperture and to reciprocate therein, said shank having teeth formed upon one of its faces, said stationary member having teeth formed thereon adapted in operation to engage the teeth on said shank, a cam mounted upon said stationary member and adapted in operation to move said shank into tooth engaging position with respect to said stationary member, a spring interposed between the toothed opposing faces of said shank and said stationary member for forcing said shank out of tooth engaging position with respect to said stationary member when said cam is retracted, and a lever for operating and retracting said cam, said lever extending in operative position approximately parallel in the longitudinal axis of said handle.

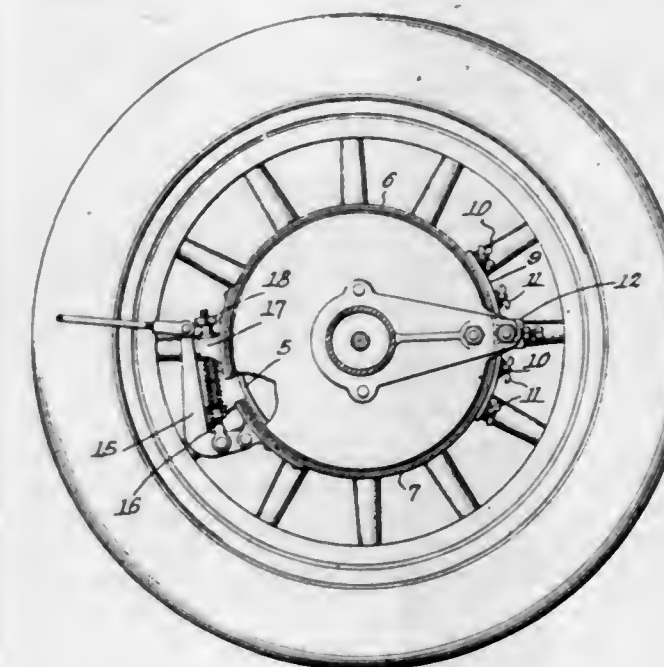
1,520,654. GASOLINE FILTER. JOHN C. JOHNSON, High Point, N. C. Filed Mar. 21, 1921. Serial No. 454,063. 1 Claim. (Cl. 210-165.)



In a device of the class described, a casing, an inlet connection therefor, a cap for closing one end of the casing, a tubular outlet member threaded through the cap,

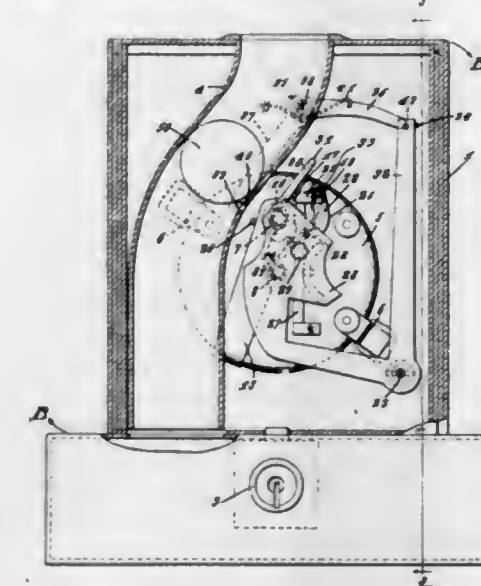
a transverse tubular member within the casing, connected with the tubular member first mentioned, and adjustable vertically and angularly with reference to the inlet connection, and filtering elements extending across the ends of the transverse member, the latter permitting the flow of liquid from the inlet to the outlet, by a plurality of paths.

1,520,655. BRAKE BAND. JOHN KAUFF, Glen Morgan, W. Va. Filed July 22, 1924. Serial No. 727,510. 2 Claims. (Cl. 188-77.)



1. A brake band including an upper section and a lower section, means for connecting the sections to prevent lateral movement of one section with respect to the other section, a yoke having connection with the sections, and means for removably securing the sections to the yoke.

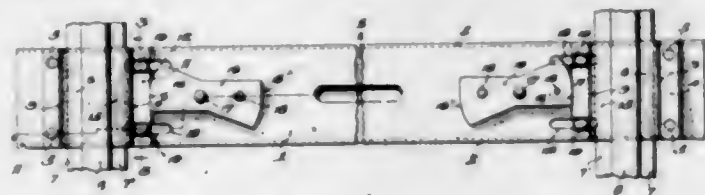
1,520,656. COIN CLOCK BANK. ALPHONSE C. KETTERER and GEORGE P. SLANKER, Santa Barbara, Calif., assignors of one-tenth to Joseph A. Allard, Jr., Pomona, Calif. Filed Aug. 16, 1922. Serial No. 582,192. 4 Claims. (Cl. 194-45.)



1. A clock comprising a winding shaft; a movable guard for the winding shaft; a coin chute; a movable latch extended into the chute and cooperating with a portion of the guard to hold the guard set with respect to the shaft; an arm frictionally held on the shaft to swing when the shaft is rotated in opposite directions; means for stopping the arm to permit the shaft to rotate therein; a dog pivoted to the arm and slidable freely over a part of the guard when the shaft is rotated

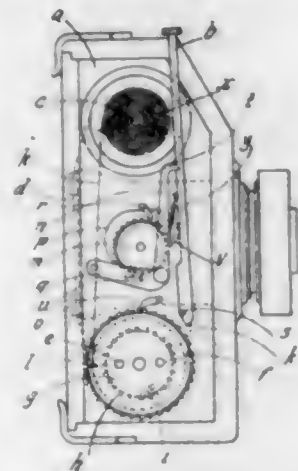
in one direction to wind the clock, the dog engaging said part of the guard to move the guard to set position with respect to the shaft and to engage the guard with the latch when the shaft rotates in a reverse direction as the clock runs down.

1,520,657. RAIL CLAMP. THOMAS J. KOHUTH and JOSEPH J. PLOUGH, Gipsy, Pa. Filed July 23, 1924. Serial No. 727,751. 3 Claims. (Cl. 238-341.)



1. The combination of a metallic railway tie, and a rail jaw fixedly secured thereto, with an adjustable rail jaw slidably secured to said tie opposite said fixed jaw and a plurality of cams pivoted to said tie in position to engage said slidable jaw at different distances from said fixed jaw, whereby rails of differing dimensions may be readily secured to said tie.

1,520,658. FILM-FEED MECHANISM FOR PHOTOGRAPHIC CAMERAS. STANISLAUS KUCHARSKI, Charlottenburg, Germany, assignor to Alfred Huber and Wolfgang Simons, Berne, Switzerland. Filed Mar. 19, 1923. Serial No. 626,207. 3 Claims. (Cl. 242-71.)

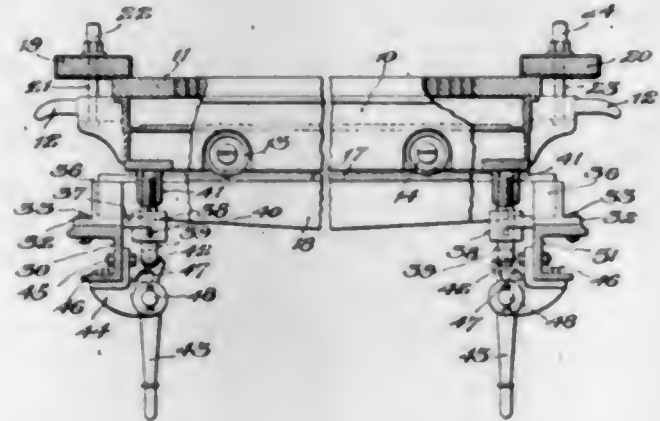


1. In a roll-film photographic apparatus, a film holding and transporting mechanism comprising in its construction a pair of parallel drums, viz. a delivery drum and a receiving drum, an axle on which said delivery drum is mounted, a spiral spring coiled on said axle, a transporting disc adapted to turn the receiving drum, a drawbar movable longitudinally by hand, a flexible transporting band attached at one end to the said drawbar and at the other end to said spiral spring, the said transporting band being guided over the circumference of the transporting disc and adapted to impart motion to the said disc, an adjustable abutment adapted to limit the stroke of the said drawbar, and a regulating device adapted to adjust the position of the said abutment at every stroke of the drawbar, in one direction and to shorten the subsequent stroke of the same, in the opposite direction substantially as described.

1,520,659. PAPER-MAKING MACHINE. FRANK S. McDONNELL, Mattapan, Mass., assignor to Rice, Barton & Fines, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed May 31, 1923. Serial No. 642,627. 13 Claims. (Cl. 92-44.)

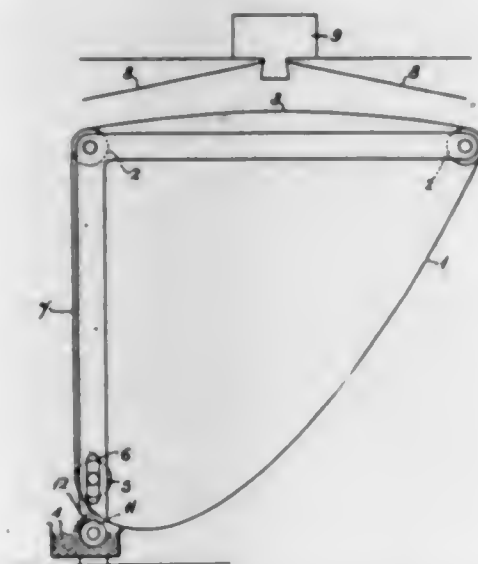
1. In a paper making machine, the combination of a suction box; means by which said suction box is supported in operative position; means detachably securing said suction box to its said supporting means; means

onto which said suction box is adapted to be lowered from its said operative position and by which said box is adapted to be supported while being moved endwise in removing it from and replacing it in the machine; and



other means operable to raise and lower said box from and to its said lowered position to and from its approximate operative position and to support said box in said last-named position while said securing means are being applied or removed.

1,520,660. APPARATUS FOR MANUFACTURING THIN SHEETS OF GELATIN. ROBERT A. MCQUITT, London, England, assignor to George Nelson Dale & Company, Limited, Warwick, England. Filed Aug. 2, 1923. Serial No. 655,307. 7 Claims. (Cl. 18-15.)

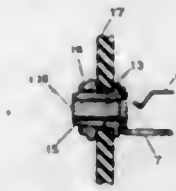


1. Apparatus for manufacturing thin sheets of gelatin in which liquid gelatin is coated on a web and the coat thus formed dried under tension and stripped therefrom when dry, comprising a tank, an endless moving web adapted to travel in close proximity to said tank and adapted to rise vertically from said tank and then to pass horizontally over a supporting surface where the gelatin is dried under an air draught and from thence back to the tank for a repeat coating without the surface of the web on the said gelatin coating thereon touching anything solid and means adapted to maintain a supply of gelatin in contact with the web during its passage through the tank.

1,520,661. RADIOJACK. RAY H. MANSON, Rochester, N. Y., assignor to The Stromberg Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed June 9, 1922. Serial No. 567,046. 5 Claims. (Cl. 179-96.)

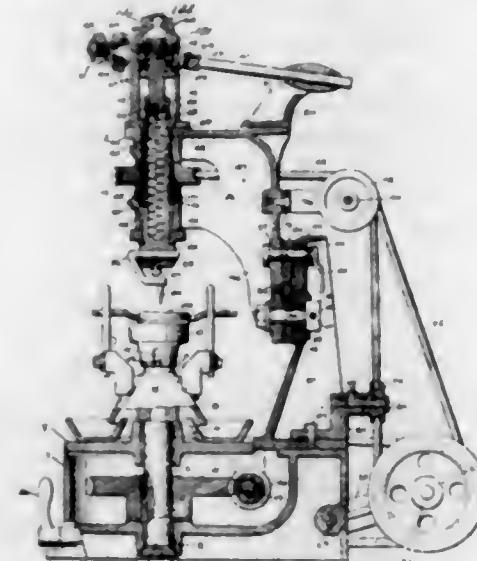
1. In an article of the class described, a frame having an apertured up-turned end, terminal springs mounted on

said frame adjacent said aperture, a hollow sleeve having a raised annular shoulder intermediate its ends, one end of said sleeve being staked in said aperture with its



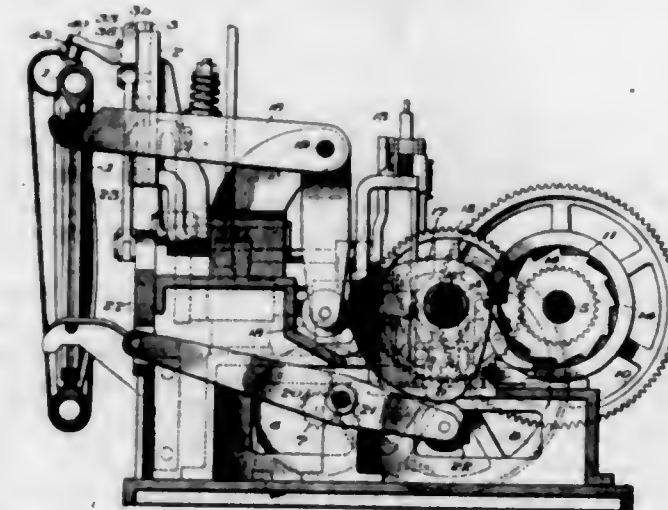
shoulder engaging said frame, threads formed on said sleeve but spaced from the free end thereof, and a nut engaging said threads.

1,520,662. LENS-SURFACING MACHINE. ALBERT E. MAYNARD and WILLIAM A. GUNNING, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 16, 1919. Serial No. 289,067. 16 Claims. (Cl. 51-131.)



5. A machine of the character described including a head, a hollow spindle journaled in the head having intermediately slotted walls, an actuating spring mounted within the hollow spindle, a plunger member fitting within the spindle and having pins sliding in the slots of the spindle for connecting the parts, a pivoted lever connected with the plunger, and means for locking the lever in desired adjusted position to control the position of the plunger and parts associated therewith.

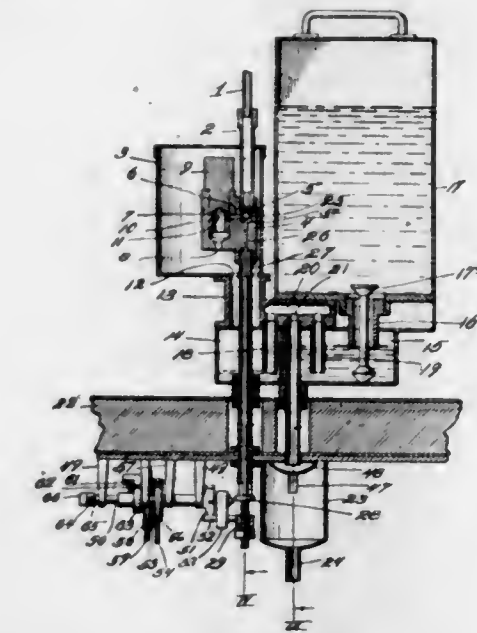
1,520,663. TIRE-STRIPPING MACHINE. EDWARD D. PUTT, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 12, 1922. Serial No. 560,334. 12 Claims. (Cl. 18-2.)



1. Apparatus for stripping tire casings from cores comprising in combination, means for supporting a core and casing thereon, and means for stripping the casing

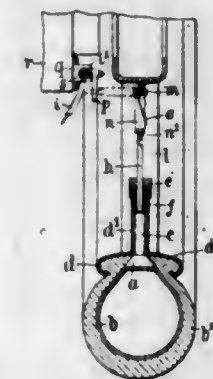
from the core, said stripping means including a reciprocable slide, a roller, and a shiftable mounting for the roller mounted on said slide.

1,520,664. LIQUID PROPORTIONING, MIXING, AND DISPENSING MACHINE. ARTHUR B. WALTERS and FRANK A. MADDEN, Kansas City, Mo., assignors to Soda Service Corporation, Kansas City, Mo., a Corporation of Missouri. Filed Sept. 17, 1923. Serial No. 663,128. Renewed June 14, 1924. 14 Claims. (Cl. 225-21.)



1. In a machine of the character described, a chamber having a discharge opening and a pair of intake openings, a receptacle holding a liquid to a level for sealing one of the intake openings and means for supplying another liquid from a different source, to overflow the other intake opening and the discharge opening and thereby produce a vacuum condition in said chamber and siphonic action from the receptacle, until the siphonic action is broken by the exposure of the said other intake opening to the entrance of air through the exhaustion of the supply of liquid to said opening.

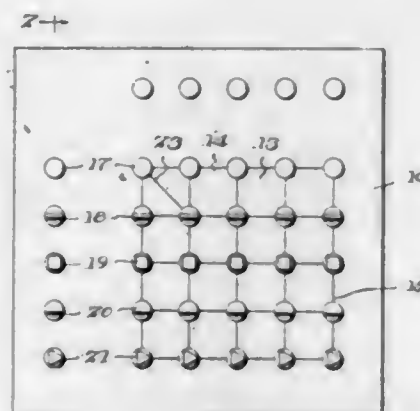
1,520,665. SIGNALING DEVICE FOR COLLAPSING PNEUMATIC TIRES. ERNST ARNSDORF, Neudamm, Germany. Filed Nov. 13, 1922. Serial No. 600,728. 1 Claim. (Cl. 200-58.)



In a signalling device for collapsing pneumatic tires, comprising a casing adapted to be secured upon the frame of a vehicle, a switch within said casing, a swinging arm depending from said casing for actuating said switch, a spring returned swinging catch pivoted upon the spokes of the wheel, a member forced radially inward by the air pressure of the tire, and means upon the end of said swinging catch cooperating with means upon the

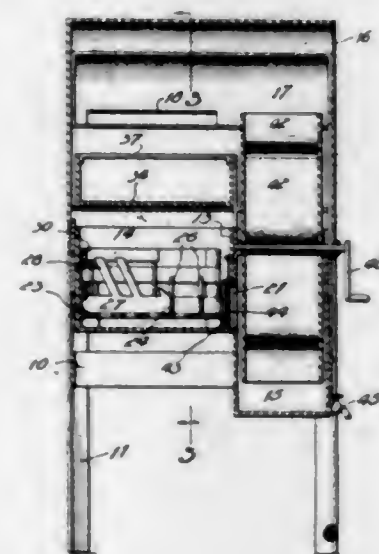
end of said member for locking said swinging catch in inoperative position, whereby upon the reduction of pressure in the tire said member will release said swinging catch to enable the same to engage said swinging arm to close said switch.

1,520,666. PUZZLE. CARL F. DIETZ, Fitzsimmons, Colo.; Winifred D. Dietz executrix of said Carl F. Dietz, deceased. Filed Dec. 22, 1923. Serial No. 682,244. 1 Claim. (Cl. 273—132.)



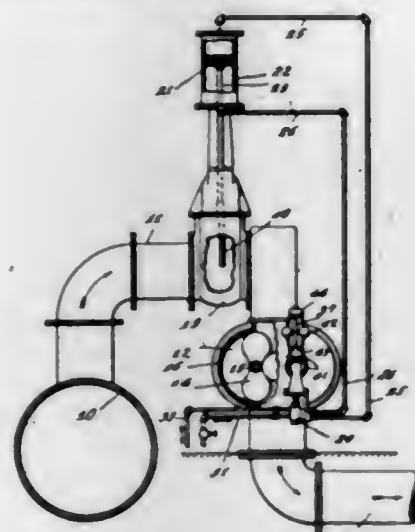
A game device comprising a board having a playing surface provided with holes arranged in rows and columns, the board being formed at adjacent sides of the playing surface with other rows of holes, in combination with pegs of different shapes and colors insertable within the holes, it being intended that one set of pegs of a certain color be engaged within one of the second named row of holes and that a plurality of similarly shaped pegs of all the different colors be engaged within the other row of second named holes, said two sets acting as guides for the positioning of the other pegs during the playing of the game.

1,520,667. DISHWASHING MACHINE. RAGNA OINES, Arlington, S. Dak. Filed Sept. 30, 1922. Serial No. 591,572. 3 Claims. (Cl. 141—9.)



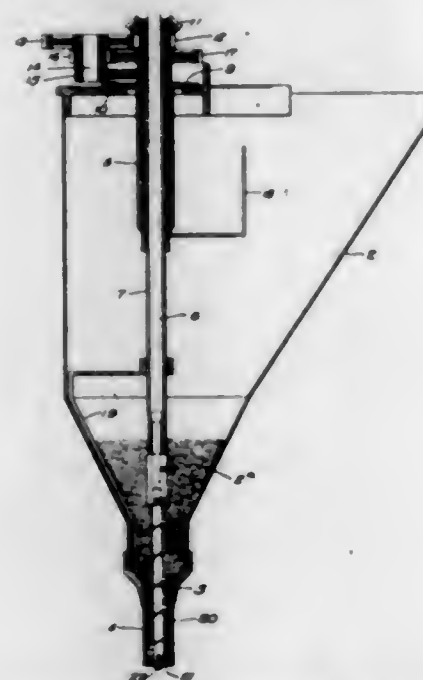
1. A dish washing machine comprising a casing, a partition dividing said casing into a dish receiving compartment and a water receiving compartment, an end wall projecting above said compartments, a dish rack adapted to be positioned in the dish compartment, a water wheel arranged to operate in the other compartment for throwing water from said compartment against said end wall, a trough supported by said end wall and opening into the dish compartment, and said partition having a slot establishing communication between the compartments for the purpose specified.

1,520,668. FLUID GOVERNOR METER. JOHN T. WILKIN, Connersville, Ind., assignor to The Connersville Blower Co., Connersville, Ind., a Corporation of Indiana. Filed May 7, 1923. Serial No. 637,381. 10 Claims. (Cl. 137—78.)



1. In combination, a pipe through which there is a flow of fluid, a displacement meter in said pipe, a valve controlling the rate of fluid-flow through said pipe, and means for governing said valve by the speed of said displacement meter.

1,520,669. FEEDING DEVICE. WALTER E. ZIEGNER, Philadelphia, Pa., assignor to American Machinery Co., Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 26, 1922. Serial No. 584,532. 7 Claims. (Cl. 226—125.)



1. In a feeding device, the combination of a tube, and a screw mounted to turn therein to feed material there-through and discharge it therefrom, said screw and said tube forming a spiral-like passage, said screw having means at the lower end thereof to restrict the discharge end of the passage.

5. In a feeding device, the combination of a hopper having a discharging tube of less cross sectional area than that of the hopper, and a screw extending into the tube and into a portion of the hopper and mounted to turn therein to feed material from the hopper into and through the tube and discharge it from the latter, that portion of the screw which extends into the hopper being of larger diameter than that portion thereof which extends into the tube and being spaced from the surrounding wall of the hopper.

7. In a feeding device, the combination of a tube, and a screw mounted to turn therein to feed material there-

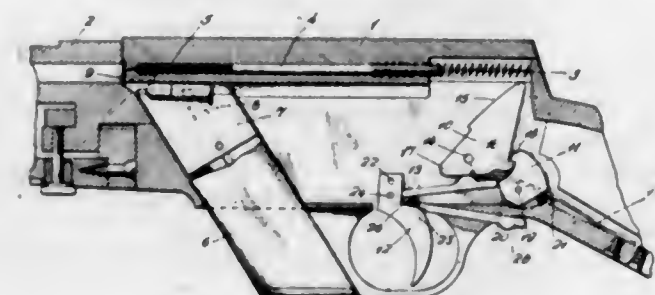
through and discharge it therefrom, the pitch of the upper portion of the screw being constant and the pitch of the screw at the discharge end portion thereof being less than that of the said upper portion thereof within the tube.

1,520,670. COMBINATION TOOL. GEORGE CHARLES APPEL, Newport, Ky., assignor of one-half to Joseph Webb, Cincinnati, Ohio. Filed Aug. 17, 1922. Serial No. 582,509. 3 Claims. (Cl. 7—1.)



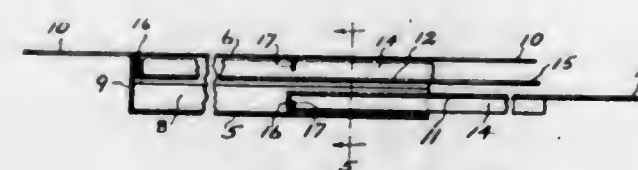
1. A combination tool comprising a pick member adapted to be employed as an ice-pick, a weighted handle member rigidly attached to said pick member and adapted to be employed to crush ice, there being a recess entering from one side of said handle member with projections at opposite sides of said recess adapted to be utilized to uncork bottles and to suspend the tool in an idle position.

1,520,671. AUTOMATIC FIREARM. HENRY ROSIER, Lowell, Mass. Filed Dec. 3, 1923. Serial No. 678,302. 1 Claim. (Cl. 42—3.)



In automatic firearms, a sliding breech block carrying a firing pin, a locking device, a hammer normally restrained by said device, and trigger mechanism including a member normally lying in contact with said hammer and with said locking device and operable to release the hammer from said device, said hammer adapted when released to throw said member out of contact with the locking device.

1,520,672. SIGNAL. MAXIMILIAN SCHALKE, Franklin Park, Ill. Filed Mar. 3, 1924. Serial No. 696,424. 1 Claim. (Cl. 116—50.)



In a device of the class described, a rectangular casing open at one end and closed at its opposite end and having flat front and rear walls and V-shaped top and bottom walls forming oppositely arranged pairs of upper and lower guides at the sides of the casing, interior stops near the open end of the casing, rectangular slides having top and bottom wings in said guides, a rear flange on each side co-operating with one of said stops, and handles on the slides extending out of the open end of the casing in different horizontal planes.

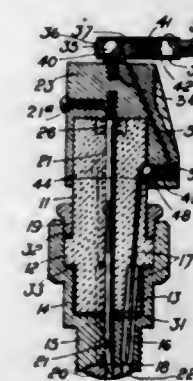
1,520,673. PURIFIED ANTIDIABETIC PRODUCT AND PROCESS OF MAKING IT. GEORGE B. WALDEN, Franklin, Ind., assignor, by mesne assignments, to the Governors of the University of Toronto, Toronto, Ontario, Canada. Continuation of application Serial No. 622,448, filed Mar. 2, 1923. This application filed June 11, 1924. Serial No. 719,269. 30 Claims. (Cl. 167—7.)

7. A process of purifying a product containing the anti-diabetic principle or hormone of the pancreas, which process consists in treating the pancreas to obtain a solution containing the active anti-diabetic principle or hormone substantially free from the major part of the substances with which it was associated in the pancreas, and then adjusting the hydrogen ion concentration of such solution to the vicinity of the isoelectric point of a substance which, following upon such adjustment, forms a precipitate including the active anti-diabetic principle or hormone, and separating from the liquid and preserving the precipitate thus formed.

16. A process of separating a substance containing the anti-diabetic hormone of the pancreas from contaminating substances, which process consists in adjusting the hydrogen ion concentration of a solution of a pancreas-derived substance containing said hormone and other matter to a pH between 4 and 7 to produce a precipitate which includes said hormone but leaves behind in the solution the major part of the contaminating nitrogenous matter and inorganic salts, and separating this precipitate from the solution and preserving it.

26. An anti-diabetic product which contains the anti-diabetic principle or hormone of the pancreas, which product when hypodermically administered relieves the diabetic syndrome without material unrelated effects, is precipitable from water solution at an isoelectric point in the pH range 4.5 to 5.5, and has a residual nitrogen content of not more than 0.1 milligram per unit of anti-diabetic activity.

1,520,674. SPARKING PLUG. FRANCIS LAYTON ELDRIDGE, Bournemouth, England. Filed Apr. 10, 1922. Serial No. 551,232. 6 Claims. (Cl. 123—169.)

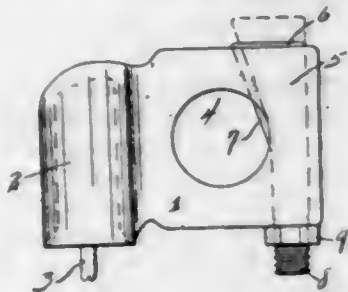


1. A sparking plug of the type referred to having in combination an insulating body having a series of integrally formed relatively deep chambers, a metal body perforated to form housings in extension of said chambers, an electrode rigidly held in the top of each chamber and depending into the respective housings, so as to form a spark gap at the open end of each housing, a contact on the side of said insulating body for each said electrode, a control cap mounted on the insulating body, a ported valve adapted to cover all said housings and to register with any one of said housings when the plug is in operation, means connecting said valve to said control cap, a wiper, adapted to sweep all of said contacts, depending from said control cap, and means connecting said wiper to an electrical circuit.

1,520,675. BATTERY TERMINAL. GEORGE E. HARPER, Gainesville, Tex. Filed Oct. 9, 1923. Serial No. 667,465. 2 Claims. (Cl. 173—259.)

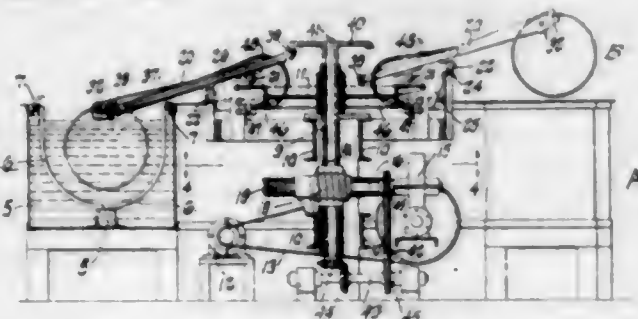
2. A battery terminal comprising a body member provided with a post opening therethrough for a battery

post and a socket for a wire connection, a horizontal opening therethrough inclined on one side, a locking member in said horizontal opening having an inclined side adjacent to the inclined side of said opening to prevent rotation of the locking member, and means for



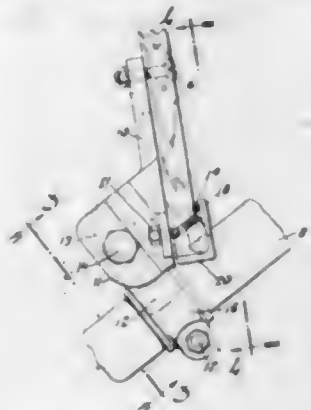
forcing said locking member against the battery post for making positive connection with and for breaking corrosion from said post, the opposite side of said horizontal opening forming a relatively long bearing for said locking member.

1,520,876. RIM-PLATING MACHINE. HARRY K. KOPPIN, Jackson, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 25, 1923. Serial No. 647,589. 28 Claims. (Cl. 204—11.)



1. In an electro-plating machine of the class described, a tank adapted to contain a plating solution; a movable carrier, and means for moving the same; a plurality of work carrying devices supported by said carrier and movable relative thereto, and having each a work supporting member arranged to move along and over said tank and adapted to suspend an article to be plated; and means for moving said work carrying devices up and down to thereby dip articles suspended by said work supporting members into and to remove them from said tank.

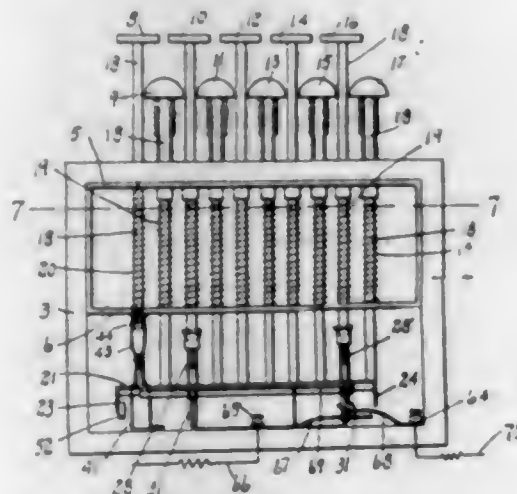
1,520,877. ADJUSTABLE STEERING COLUMN FOR AUTOMOBILES. WILLIAM H. MOYSE, Oshawa, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 12, 1922. Serial No. 680,136. 6 Claims. (Cl. 74—80.)



1. In a device for holding the upper end of an inclined adjustable steering column in various positions and in combination with a transversely extending supporting member of a vehicle body, a bracket secured to said supporting member and located above said steering

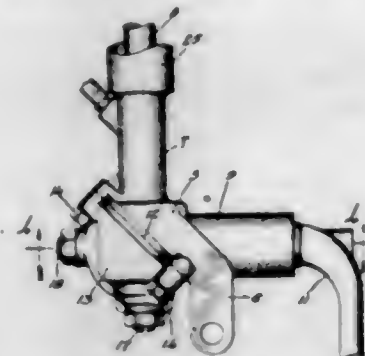
column, and having parallel side members spaced apart from one another; a holding member having a split seat shaped to conform to said column, and a bolt for contracting the sides of said seat to thereby clamp said holding member upon said steering column, and which holding member extends upwardly from said steering column and has a slotted upper end which lies between the side members aforesaid of said bracket; and a fastening bolt extending through holes in said side members and through said slot.

1,520,878. ELECTRIC STARTING, STOPPING, AND DETECTING DEVICE. ANTHONY A. VORNDIEKE, Cincinnati, Ohio, assignor of one-half to Thomas H. O'Brien, Cincinnati, Ohio. Filed Oct. 2, 1922. Serial No. 591,794. 9 Claims. (Cl. 200—43.)



1. A device of the kind described including a plurality of true keys and a plurality of false keys, a movable member provided with contacts, a step-by-step mechanism controlled by one of said true keys, for actuating said member, an element for holding the movable member in the position to which it has been moved by the step-by-step mechanism, a switch element actuated by one of the true keys and having a contact adapted to be brought into engagement with one of the contacts of the movable member, a second switch element actuated by another one of the true keys and provided with a contact adapted to be brought into engagement with another one of the contacts of the movable member, stationary contacts engageable with said switch elements, latches for holding the switch elements in a position to engage the stationary contacts, and means actuated by certain of said false keys for releasing said latches.

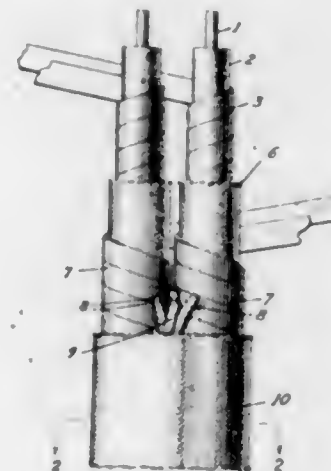
1,520,879. STEERING MECHANISM FOR MOTOR DRIVEN VEHICLES. PERCY L. TENNEY, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 20, 1922. Serial No. 602,214. 6 Claims. (Cl. 74—79.)



1. In steering mechanism of the class described, a casing part or section having steering shaft and steering arm journal bearings arranged at an angle to one another, and an open side the plane of which is inclined relative to the axes of said bearings; a steering shaft

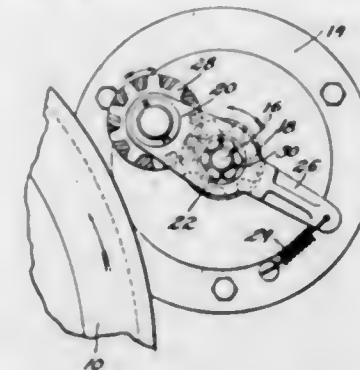
and a steering arm journal rotatable in said bearings and extending into said casing section; gearing through which said steering arm is operated from said steering shaft; a cover for closing the open side of said casing section; and two adjustable abutments carried by said cover and operable from outside the same, one engaging the extremity of said steering shaft and the other engaging the extremity of the journal of said steering arm.

1,520,880. ELECTRICAL CONDUCTOR. CHARLES W. ARNOTT, Hartford, Conn., assignor to Rome Wire Company, Rome, N. Y., a Corporation of New York. Filed Mar. 16, 1923. Serial No. 625,434. 20 Claims. (Cl. 173—264.)



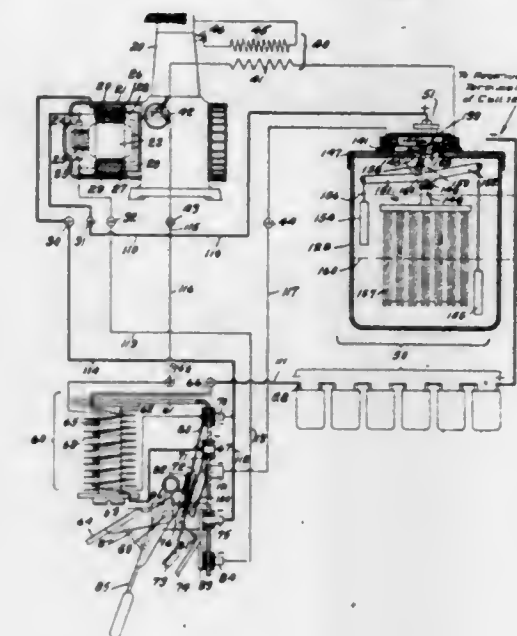
1. An article of manufacture comprising, in combination, metallic electrical conductors, a surrounding sheath of rubber insulating compound for each of said conductors, a protective covering in strip form closely wound about each of said insulated conductors, a fabric jacket surrounding each of said protective coverings, a second protective covering in strip form closely wound about each of said fabric jackets, a fabric jacket surrounding the whole, and means to render the coverings and jackets substantially fire and moisture proof.

1,520,881. STARTING MECHANISM. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 5, 1923. Serial No. 610,803. 6 Claims. (Cl. 74—7.)



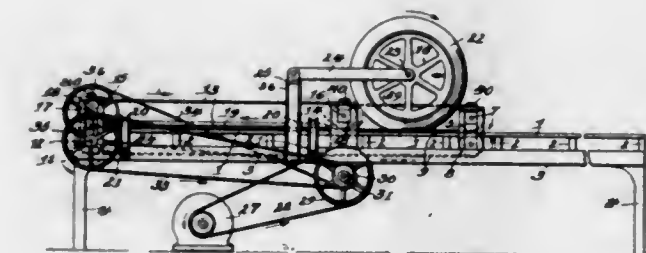
1. Starting mechanism comprising, in combination, a peripherally grooved wheel, a motor having a drive shaft, a driving gear on said shaft, a rocker arm shiftable about the axis of said shaft by the torque thereof, and a gear carried by the arm and having teeth meshing with the teeth of the driving gear, the teeth being grooved to engage the grooves in the flywheel.

1,520,882. BATTERY-CHARGING SYSTEM. FREDERICK J. HARDMAN, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 16, 1920. Serial No. 358,974. 6 Claims. (Cl. 290—35.)



4. In an electrical system, in combination, a storage battery; current-generating means adapted to charge the battery; a circuit for connecting the current-generating means with the battery; a control circuit for the current-generating means, said circuit including a switch; and hydrometer means operative during the period of inversion of stratification of the battery electrolyte for operating said switch to render the current-generating means inoperative to further charge the battery, said means including provisions for restoring said switch to its initial position after a brief period of time.

1,520,883. TAPE-SEALING MACHINE. CHARLES C. GAMM, St. Paul, Minn., assignor to Waldorf Paper Products Company, a Corporation of Minnesota. Filed Nov. 18, 1921. Serial No. 516,144. 1 Claim. (Cl. 93—56.)



In a tape sealing machine, a supporting table, a feed roller revolvably mounted on said table, an endless belt mounted above said table with its lower run adjacent to the top of said table, a second endless belt mounted with its upper run on said table and arranged to carry taped cartons beneath said feed roller and first mentioned belt, a pressure plate arranged to hold adjacent runs of said belts in contact with the cartons and tape and means for actuating said feed roller and belts.

THE
OFFICIAL GAZETTE
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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.		Page.
ISSUE OF DECEMBER 30, 1924.....		999
INTERFERENCE NOTICES.....		999
ADVERSE DECISIONS IN INTERFERENCE.....		999
APPLICATIONS UNDER EXAMINATION.....		1000
ANNUAL REPORT OF THE COMMISSIONER OF PATENTS FOR THE FISCAL YEAR ENDED JUNE 30, 1921.....		1001
DECISIONS OF THE U. S. COURTS—		
Irwin-Hodson Co., Inc., v. Geo. Primbs & Sons, Inc.....		1005
ADJUDICATED PATENTS.....		1006
PATENT SUITS.....		1006
DISCLAIMER.....		1006
TRADE-MARKS PUBLISHED (316 APPLICATIONS).....		1007
TRADE-MARK REGISTRATIONS GRANTED.....		1049
TRADE-MARK REGISTRATIONS RENEWED.....		1059
LABELS.....		1060
PRINTS.....		1060
DESIGNS.....		1061
PATENTS GRANTED.....		1068

Issue of December 30, 1924.		
Trade-Marks.....	228—No. 193,369 to No. 193,506, inclusive.	
T. M. Renewals.....	4	
Labels.....	31—No. 27,979 to No. 28,012, inclusive.	
Prints.....	4—No. 7,642 to No. 7,645, inclusive.	
Designs.....	31—No. 66,315 to No. 66,345, inclusive.	
Patents.....	906—No. 1,520,684 to No. 1,521,589, inclusive.	
Total.....	1207	

Interference Notices.
U. S. PATENT OFFICE, Washington, Dec. 3, 1924.
The W. J. Barr Mfg. Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Eureka Sales Company, 34 South Meridian Street, Indianapolis, Ind., for registration of a trade-mark and trade-mark registered November 6, 1906, No. 57,156, to The W. J. Barr Mfg. Co., 26 South Water Street, Cleveland, Ohio, and a notice of such declaration sent by registered mail to The W. J. Barr Mfg. Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The W. J. Barr Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Dec. 10, 1924.
Electra-Pura Water Co., its assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Russell Richard Jourdan, 1420 Jackson Street, Dallas, Tex., for registration of a trade-mark and trade-mark registered December 23, 1902, No. 39,528, to Electra-Pura Water Co., 198 Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Electra-Pura Water Co. at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Electra-Pura Water Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Dec. 10, 1924.
Frederick G. Kuné, his assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Russell Richard Jourdan, 1420 Jackson Street, Dallas, Tex., for registration of a trade-mark and trade-mark registered February 10, 1903, No. 39,783, to Frederick G. Kuné, 709 Camp Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Frederick G. Kuné at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Frederick G. Kuné, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

U. S. PATENT OFFICE, Washington, Dec. 16, 1924.
Samuel Dempster, his assigns or legal representatives, take notice:
An interference having been declared by this Office between the application of Edward Benton Knight, of Penn Yan, N. Y., for registration of a trade-mark and trade-mark registered October 3, 1905, No. 46,701, to Samuel Dempster, 426 Seventh Avenue, Pittsburgh, Pa., and 1220 Federal Street, Allegheny, Pa., and the Office having been unable to secure service upon said Dempster, notice is hereby given that unless said Dempster, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
KARL FENNING, Acting Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.
In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:
Pat. 1,393,994, S. F. Fekete, Stove for intake manifolds of internal-combustion engines, decided December 12, 1924, claim 1.
Pat. 1,426,156, Dinsen and Krieker, Display stand, decided November 20, 1924, claims 1, 2, 5, and 11.
Pat. 1,458,586, J. T. McCrosson, Method of packing and preserving cigars, cigarettes, and smoking tobacco, decided December 8, 1924, claim 1.
Pat. 1,463,860, W. Wilson, Electron-discharge device, decided November 13, 1924, claims 1 and 3.
Pat. 1,488,830, J. E. Plumstead, Cooking liquor, decided July 30, 1924, claims 3 and 4.

Condition of Applications Under Examination at Close of Business December 19, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 84,104; Trade-Mark Division, 1,900. Oldest new case, Apr. 14, 1924; oldest amended, May 1, 1924. The dates given are 1924.)	Divisions, Examiners, and Subjects of Inventions.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				Now.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	July 21	Aug. 2		889	
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	June 23	July 2		669	
331	3. RICH, W. M. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 22	Sept. 19		180	
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	July 14	Aug. 26		744	
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	June 16	June 25		931	
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	June 16	July 16		1,082	
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	July 19	July 17		1,378	
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	July 21	Sept. 9		1,275	
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	July 2	Oct. 22		577	
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	July 2	Aug. 15		1,218	
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Aug. 26	Sept. 2		820	
380	12. PIERCE, P. P., Machine Elements.	July 14	Aug. 4		898	
154*	13. NIXON, G. A., Bolt, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 15	June 4		1,065	
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	July 24	Nov. 1		410	
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	June 28	July 7		1,268	
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	May 14	May 16		1,357	
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	July 3	Oct. 1		670	
229	18. PORTER, M. E., Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices.	May 1	May 1		1,146	
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	June 11	Sept. 20		813	
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Saws; Undertaking.	June 12	June 23		1,086	
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	July 3	Oct. 9		510	
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	June 15	June 15		930	
217	23. GROESBECK, W. D., Cola Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	July 3	July 17		466	
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	July 9	Aug. 5		833	
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Sept. 24	Sept. 24		731	
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	May 13	June 14		797	
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 22	Aug. 7		943	
225	28. BENSON, A. R., Internal-Combustion Engines.	June 21	July 24		1,031	
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 26	June 11		1,139	
218	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	July 21	Oct. 6		1,071	
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Aug. 9	Aug. 6		1,006	
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	July 1	July 1		869	
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Aug. 19	Aug. 21		1,003	
304	34. SIMPSON, Q. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 2	Aug. 4		640	
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Tolls.	Sept. 23	Sept. 24		546	
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	July 7	July 14		1,426	
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	May 19	June 5		1,556	
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	July 3	June 26		1,072	
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Aug. 4	Aug. 11		599	
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 12	Aug. 7		1,930	
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	May 29	Aug. 5		579	
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Apr. 14	May 20		1,432	
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spitoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	May 6	June 10		1,123	
253	44. SHAFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	May 22	July 10		1,054	
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	June 23	July 3		782	
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	June 10	June 19		916	
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	July 2	June 24		1,494	
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	May 12	May 15		1,820	
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	June 20	July 1		925	
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	May 5	May 17		1,659	
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	May 28	May 29		2,280	
144	52. MORGAN, E. J., Supports; Fire Escapes; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Aug. 6	Aug. 14		702	
112	53. PECK, M. K., Books; Manifolded; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	May 16	May 31		1,293	
102	DESIGNS: C. O. MARKHAM (Acting).	Nov. 28	Nov. 5		451	
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	Nov. 19	Dec. 4		1,576	
		Nov. 15	Dec. 1		384	

* Refers to room numbers in the annex.
1009

ANNUAL REPORT OF THE COMMISSIONER OF PATENTS TO THE SECRETARY OF THE INTERIOR FOR THE FISCAL YEAR ENDED JUNE 30, 1924

WASHINGTON, D. C., July 31, 1924.

SIR: I have the honor to submit the following report of the business of the Patent Office for the fiscal year ending June 30, 1924:

The year just closed has been one of unprecedented activity in the Patent Office. Although the number of applications for patents, designs, and trade-marks has slightly decreased from the preceding year, or from 100,724 to 99,503, the total net receipts from all sources amounted to \$3,042,276.22, the largest amount ever received by the Patent Office in any year. The expenditures, including an increase of compensation, or "bonus," to the employees of \$218,652.61, amounted to \$3,273,341.37, thus showing a deficit of \$231,065.15 for the year. This deficit, however, would be reducible if allowance were made for the many thousands of copies of patents placed upon the shelves of the Patent Office and which will be sold in the future.

REDUCTION IN "ARREARS."

The great activity of the Patent Office is shown in the fact that during the year the amount of work awaiting official action has been steadily reduced. Thus one year ago there were awaiting official action 72,475 patent applications, 2,792 design applications, and 3,838 trade-mark applications, or a total of 79,105 applications. Now there are 60,334 patent cases (a reduction of 12,000), 323 design cases (a reduction of 2,469), and 1,988 trade-mark cases (a reduction of 1,850), making a total of 62,645 cases, and a total decrease of 16,460 cases awaiting official action.

GAINS IN DATES.

Material gains have also been made with respect to dates. This is best shown by the statement that out of the 49 patent divisions one year ago there were only 4 under six months, now there are 25; one year ago there were only 7 under seven months, now there are 40; one year ago there were only 10 under eight months, now all 49 are under eight months; one year ago there were 39 over eight months and 29 over nine months. The whole office has caught up in its work on an average of about three months per division.

The trade-mark and design divisions have shown even greater progress, since they were, respectively, four and one-half and nine and one-half months in arrears, whereas now each division is under 30 days.

Congress has provided for 100 additional examiners, 50 to be appointed within a month and the other 50 within the next four months, to serve two years, with the hope that within that time the work will not be more than two months in arrears.

The present force has made an average gain of over 1,000 cases per month during the past year; and after the new force becomes sufficiently trained a gain of 2,000 cases per month is confidently expected.

REORGANIZATION.

Gratification is expressed at the action of the Public Building Commission in placing at the disposal of the Patent Office about 70 rooms in the old Land Office Building across the street from the Patent Office and connected with it by a tunnel. This will permit a thorough reorganization of the Patent Office, making it possible to house the 100 additional examiners, to locate the various related patent divisions in groups, and at the same time move the clerical divisions to the basement of the present building, on a level with the street. With these changes, patrons of the office may do business with the financial clerk, mail room, and the copy-sales division without using the elevators or going to the upper floors of the building.

SALES OF COPIES.

In connection with the sale of copies, it is to be noted that the sales are increasing quite rapidly. This is of importance as showing the intimate relation with the industries of the country. Thus, the sale of printed copies during the past year amounted to 2,568,865, whereas 2,417,383 were sold the previous year and only 2,196,132 three years ago, the first year after the price was increased to 10 cents each. The sale of these copies brought in \$256,865 during the year.

PHOTOSTAT PROFITS \$25,000.

During the year 344,376 photostats and 98,286 photographic copies of patents and other papers were furnished. Orders were received for these from manufacturers, inventors, and attorneys from all parts of the country and from abroad. Although the fees charged therefor were only from 15 to 25 cents per sheet, they brought to the office a clear cash profit of \$25,000, after allowing for salaries, supplies, new machines, and overhead.

"OUTPUT" INCREASING.

The increase of business of the office is further shown by the "output," the total number of patents, reissues, designs, trade-marks, labels, and prints issued having increased from 56,021 in 1923 to 59,853 for the past year. A further increase in output is anticipated for the coming year.

COMMITTEE TO STUDY PATENT OFFICE.

I am very hopeful that the committee you are appointing will, after due study of the Patent Office conditions and its methods, be able to suggest plans to simplify the procedure and expedite the

business of the office. As it is to be composed of representatives nominated by President Hughes, of the American Bar Association; President Grant, of the United States Chamber of Commerce; President Mason, of the National Association of Patent Lawyers; and Presidents Lane, Hull, Spencer, Clark, and Kenyon, of the Patent Law Associations in Chicago, Cleveland, Detroit, Pittsburgh, and New York, respectively, the committee will come from widely scattered industrial parts of the country and yet have upon it members who have had wide experience in practice before the Patent Office and the courts. As soon as the summer months go by arrangements will be made for the committee to meet, when every opportunity and every facility will be offered them to make an entirely independent study of the Patent Office.

FRAUDULENT ATTORNEYS.

For the protection of inventors, over a quarter of a century ago Commissioner Butterworth initiated the system of registration of attorneys practicing before this office and Congress has authorized the Commissioner of Patents to make rules, subject to your approval, to make the registration system effective. This, however, is now being circumvented in widely scattered parts of the country by persons representing themselves to be patent attorneys, when they are not registered to practice. A number who have never been registered and others who have even been disbarred (for gross misconduct after due trial), residing not only in the National Capital but in at least eight widely scattered States, are now surreptitiously practicing before the Patent Office in defiance of their disbarment or without being registered, and therefore without the protection to inventors provided by the supervision and restrictions imposed upon attorneys who are registered. They impose upon inventors who would not intrust their secrets to them if they knew they were not registered patent attorneys. Since they are not under supervision of this office we can not prevent them from filing, in the inventors' names, applications which registered attorneys would not file; some even dare to file applications giving fictitious addresses; some advise "clients" to file applications for patents in foreign countries without waiting to see whether a patent can be obtained in this country; some pretend that they can argue applications for patent before the Patent Office, when they will not be permitted to appear. They benefit themselves, not their clients, by imposing upon the credulity of the latter.

In Washington, D. C., two men organized a firm under their first names only, extensively advertising themselves as patent attorneys and as having a "legal department," when neither was a member of the bar nor registered to practice before the Patent Office. They not only imposed on inventors by making them believe they were registered attorneys but, since they were under no supervision of the Patent Office, they were able to accept fees for services and to actually pocket money paid them as Government fees for cases that they should have filed but did not.

Another concern has organized with a president, a vice president, a secretary, and a treasurer. Not one of these four had ever had any experience in patent practice nor did they have a registered attorney in their employ. One of them was styled as the head of the "patent department" of the concern and they advertised—

Our organization is composed of experts in patent law and procedure.

Also—

We have made a long and careful study of this branch of work, and one of the members of our company is an expert in matters pertaining to foreign patents.

In their elaborate pamphlet they state—

As the Patent Office is located here, a Washington attorney may interview the Government officials when advisable. This is like having your attorney present at a trial in court. Could you afford to let him be away? In many cases an interview with an examiner of the Patent Office can work wonders, both in convincing him as to the correctness of your claim and in speedily securing favorable action. We are acquainted with many of the examiners personally.

As a matter of fact, being unregistered, no member of this company would be allowed to appear in the Patent Office in behalf of any inventor and argue before any examiner or any official.

Another concern was operating as a "company," not registered to practice. A complaint was filed against this company before the Department of Justice by an inventor in the mining district of Pennsylvania. He was so illiterate that he had to sign his papers with a cross and was so poor that he had to pay his fees on the installment plan and finally borrow money to pay the last \$150 before the "company" would file his papers. Knowing his circumstances this "company" charged him \$485 for the filing of an application for a very simple device which had already been patented in a number of different forms. (Fees of half that amount would have been exorbitant for such a simple device.) After this case was rejected by the Patent Office, the "company" attempted to get from him several hundred dollars additional fees without informing him of the prior patents to which the Patent Office had referred him.

Another concern advertises that—

You can get a patent application of record in the United States Patent Office for as low as \$15,

under its plan, despite the fact that the Government filing fee for a patent application is \$20, and in its follow-up literature it states:

Under our plan an application for patent may be filed for as low as \$35, including the Government fee.

This advertiser is not registered as an attorney and therefore the advertisements can not be under the supervision of the Patent Office.

No matter how gross may be the misconduct of an individual, a firm, or a company in dealing with inventors; no matter how glaringly unfair or deceptive may be its advertisements; no matter if the fees are misappropriated and the application is never filed; the Patent Office can not protect the inventor by disciplining the unregistered attorney nor insure that he gives the inventor a square deal.

To make it possible for the United States courts—not the Commissioner of Patents—to determine, only after due trial, whether such so-called attorneys shall be allowed to continue to

prey upon inventors by holding themselves out as patent attorneys when they are not registered. Representative Cramton has introduced a bill, known as H. R. 5790, which would permit the United States courts (not the Commissioner of Patents) to impose a penalty by fine or imprisonment, or both, against one found guilty of violating the terms of the act.

Congress has recently shown its determination to protect the people of the District of Columbia and vicinity by passing an act (Public, No. 637, 68th Cong., approved on the 7th of this month), providing for the compulsory registration of dentists practicing in the District of Columbia and making it punishable by fine or imprisonment, or both, for any dentist to practice under any name than his own or "under the name of any company, association, corporation, trade name, or business name." It is desired to give inventors the same protection that is afforded by the dental act.

Inventors are frequently hundreds of miles and sometimes thousands of miles away from their attorneys and have no chance whatever of getting into personal touch and protecting themselves. They must be protected by the Government or they may be swindled. This bill affords means for such protection.

The Cramton bill, H. R. 5790, in addition to having been approved by you is supported by the Department of Justice. No member of the bar or any registered patent attorney has appeared in

opposition to the bill. On the contrary, it is doubtful if any bill of this kind has ever been presented that has met with such strong approval from the bar from all parts of the country. It is supported by the committee of the American Bar Association, probably the largest association of this kind in the world; by the National Association of Patent Lawyers, having 500 members in 53 American cities; by the Chicago Patent Law Association, having about 200 members in Illinois, Minnesota, Iowa, and Indiana; by the New York Patent Law Association, having 275 members in New York, New Jersey, and Connecticut; by the Cleveland association, having members throughout Ohio; by the Michigan association, having members in Detroit and other parts of Michigan; by the Pittsburgh and Philadelphia associations, having members in Pittsburgh, Philadelphia, and other parts of Pennsylvania, and others. No honest practitioner can be hurt by the bill, and hence, as stated, no registered attorneys are opposing it. On the other side of the question, there are thousands of inventors whose interests would be safeguarded by the bill.

I can not too strongly urge its passage.

STATISTICS.

Following is an appendix giving the usual statistical report.

Respectfully submitted:

THOMAS E. ROBERTSON,
Commissioner.

APPENDIX.

STATISTICS.

Applications received during fiscal year ended June 30, 1924.

With fees:	
Applications for patents for inventions	75,953
Applications for patents for designs	3,393
Applications for reissues of patents	272
	79,618
Applications for registration of trade-marks	17,292
Applications for registration of labels	1,762
Applications for registration of prints	831
	19,885
Total, with fees	99,503
Without fees:	
Applications for inventions (act Mar. 3, 1883)	150
Grand total	99,653

Applications for patents for inventions.

Year ended June 30—	Year ended June 30—
1915	66,497
1916	67,348
1917	68,690
1918	62,399
1919	62,755
1920	81,948
1921	84,248
1922	88,243
1923	77,645
1924	75,953

Applications for patents, including reissues, designs, trade-marks, labels, and prints.

Year ended June 30—	Year ended June 30—
1915	79,116
1916	80,021
1917	81,538
1918	73,307
1919	75,657
1920	102,940
1921	107,056
1922	113,597
1923	100,724
1924	99,503

¹ Including applications in which fees were refunded and transferred.

Patent applications awaiting action.

June 30—	June 30—
1915	18,270
1916	16,559
1917	16,058
1918	14,769
1919	17,735
1920	34,355
1921	49,854
1922	67,367
1923	72,475
1924	60,334

Patents withheld and patents expired.

	1923	1924
Letters patent withheld for nonpayment of final fees	8,254	7,073
Applications allowed awaiting payment of final fees	16,718	17,516
Patents expired	31,070	32,873
Applications in which issue of patent has been deferred under section 4885, Revised Statutes	127	116
Applications in process of issue	2,879	3,655

Patents granted and trade-marks, labels, and prints registered.

	1920	1921	1922	1923	1924
Letters patent	37,316	37,937	38,083	39,004	38,963
Design patents	2,102	2,702	2,862	1,452	2,443
Reissue patents	227	232	258	255	228
Trade-marks	6,984	11,461	12,247	13,169	16,203
Labels	622	1,118	1,560	1,549	1,350
Prints	158	367	541	592	666
Total	47,409	53,817	55,551	56,021	59,853

Receipts from all sources, fiscal year ended June 30, 1924.

	Cash receipts.	Charges against account.	Furnished on coupons.	Totals.
Applications:				
Inventions.....				\$1,512,433.75
Reissues.....				8,450.00
Final fees.....				791,776.70
Designs.....				40,552.50
Design extensions.....				14,350.00
Trade-marks.....				171,157.00
Labels and prints.....				14,509.00
Total.....				2,553,228.95
Appeals, etc.:				
Appeals.....				20,845.00
Disclaimers.....				240.00
Oppositions.....				7,900.00
Total.....				28,985.00
Copies and services:				
Copies of patents.....	\$47,164.62	\$47,211.75	\$163,305.40	257,681.77
Photostats.....	2,908.40	7,289.35	862.60	10,960.35
Photostats.....	1,558.70	19,843.10	11,016.30	32,418.10
Manuscript.....	10,369.25	38,337.80	70.90	48,777.95
Certified.....	2,562.55	5,462.40	97.30	8,122.25
Recording articles of incorporation.....	699.00	928.00		1,627.00
Drawings.....	6,171.47	6,766.30	18.40	12,956.17
Assignments.....	38,524.56	33,950.75		72,475.31
Miscellaneous.....	216.75	18.80		235.55
Total.....	110,075.30	159,808.25	175,370.90	445,254.45
Accounts, deposits.....	201,007.18	-201,770.25		-763.07
Coupons.....	124,829.79	41,962.00	-475,370.90	-8,579.11
Total.....	325,832.97	-159,808.25	-175,370.90	-9,342.18
Grand total.....				3,018,126.22
Receipts from sale of Official Gazette and other publications through Government Printing Office, estimated.....				24,150.00
Total net receipts from all sources.....				3,042,276.22
Refundments.....				24,469.45
Total gross receipts.....				3,066,745.67
Expenditures fiscal year ended June 30, 1924.				
Salaries.....				\$2,058,032.81
Scientific library.....				9,866.70
Investigating public use.....				637.56
Photolithography:				
Current issue.....	\$53,271.17			
Reproductions.....	183,299.46			
Photographic printing.....	6,237.17			
Photostat supplies.....	22,751.14			
Dry mounts.....	4,068.25			
Total.....				269,627.19
Printing and binding:				
Specifications.....	453,919.81			
Official Gazette.....	174,269.37			
Indexes.....	11,806.32			
Total.....				639,995.50
Miscellaneous.....				29,995.50
Furniture and filing cases.....				19,933.48
Stationery.....				16,850.84
Postage on foreign mail.....				1,012.90
Contingent expenses, including ice, telephones, etc.....				8,886.28
Total.....				3,054,688.76
Receipts and expenditures.				
Expenditures.....				3,054,688.76
Net receipts from all sources.....				3,042,276.22
Deficit.....				12,412.54
Increase in compensation.....				218,652.61
Total deficit.....				231,065.15
Total net surplus to date.....				8,232,249.64

Comparative statements.

June 30—	Receipts.	Expenditures.	Surplus.
1915.....	\$2,270,937.68	\$2,087,581.26	\$183,356.42
1916.....	2,334,030.48	2,051,656.79	282,373.69
1917.....	2,317,519.72	2,095,138.68	222,381.04
1918.....	2,103,660.56	2,131,616.18	-27,955.62
1919.....	2,113,350.17	2,178,578.30	-65,228.13
1920.....	2,615,697.31	2,436,561.37	179,135.96
1921.....	2,712,119.69	2,640,373.96	71,745.73
1922.....	2,894,286.58	2,722,208.37	172,078.21
1923.....	3,026,486.36	3,112,022.07	-85,535.71
1924.....	3,042,276.22	3,273,341.37	-231,065.15

¹ Including increase in compensation (bonus).

Litigated cases.

Oppositions instituted.....	876
Cancellations instituted.....	160
Interferences declared (including 428 trade-marks).....	1,797
Interferences disposed of before final hearing (including 981 trade-marks).....	1,939
Interferences heard (including 266 trade-marks, and oppositions and cancellations).....	482
Interferences disposed of after final hearing (including 231 trade-marks, and oppositions and cancellations).....	500
Interferences awaiting decision (including 7 trade-marks).....	23
Oldest case awaiting action, Apr. 29, 1924.	
To board of examiners in chief:	
Appeals in interference cases.....	229
Ex parte appeals.....	978
Total.....	1,207
Appeals in interference cases disposed of.....	260
Ex parte appeals disposed of.....	1,149
Total.....	1,409
Interference cases awaiting action.....	102
Ex parte cases awaiting action.....	353
Total.....	455
Oldest interference case awaiting action, Apr. 8, 1924.	
Oldest ex parte case awaiting action, June 2, 1924.	
To the commissioner:	
Appeals in interference cases (including 15 trade-marks).....	157
Appeals in opposition cases.....	50
Appeals in cancellation cases.....	11
Ex parte appeals.....	162
Interlocutory appeals.....	242
Ex parte appeals in trade-mark cases.....	20
Total.....	642
Petitions.....	4,741
Total.....	5,383
Cases disposed of by commissioner:	
Appeals in interference cases (including 16 trade-marks).....	140
Appeals in opposition cases.....	50
Appeals in cancellation cases.....	11
Ex parte appeals.....	162
Interlocutory appeals.....	242
Ex parte appeals in trade-mark cases.....	20
Total.....	625
Petitions to commissioner.....	4,741
Total.....	5,366
To Court of Appeals of the District of Columbia:	
Appeals in ex parte cases (including 5 trade-marks).....	26
Appeals in interference cases (including 5 trade-marks).....	66
Appeals in opposition cases.....	16
Appeals in cancellation cases.....	4
Total.....	112

As to the volume of business, the office received during the year 79,618 applications for patents, reissues, and designs; 17,292 trade-mark and 2,593 label and print applications; 181,856 amendments to patent applications, and 22,025 amendments to trade-mark, label, and print applications.

The number of letters constituting the miscellaneous correspondence received and indexed was 322,609. In addition, 40,176 letters were returned with information.

The number of printed copies of patents sold was 2,568,865, and 1,067,721 copies of patents were shipped to foreign governments, and 620,141 copies furnished public libraries. The whole number of copies of patents furnished was 4,802,715 (including those for office use).

The office received for record 39,062 deeds of assignment, containing on an average 438.61 words per deed.

Typewritten copies of 18,810,700 words were furnished at 10 cents per hundred words. The office certified to 8,833 manuscript copies, and furnished 9,644 miscellaneous certified copies.

The office also furnished 121,078 photostat copies of manuscript pages; 71,170 photographic copies; and 206,276 photostat copies of foreign patents, for sale; 2,682 photostat copies for other departments; 14,340 photostats and 27,116 photographic copies for use of the Patent Office; in all 344,376 photostat and 98,286 photographic copies. After allowing for salaries and overhead, over \$25,000 actual cash profit was made from the sale of the photostat copies.

DECISIONS IN PATENT AND TRADE-MARK CASES.

U. S. Circuit Court of Appeals—Ninth Circuit.

IRWIN-HODSON CO., INC., v. GEO. PRIMBS & SONS, INC.
Decided March 3, 1924; rehearing denied April 7, 1924.

[297 Fed. Rep. 208.]

INVENTION—FORM OR BLANK FOR USE BY BANKERS.

The mere adoption or use of a key number to indicate the reasons for the return of a check might readily occur to any ordinary bank clerk or stationer and does not rise to the dignity of invention.

APPEAL from the District Court of the United States for the District of Oregon; Robert S. Bean, Judge.

Suit in equity by Geo. Primbs & Sons, Inc., against the Irwin-Hodson Company, Inc. Decree for complainant, and defendant appeals. Reversed.

Mr. T. J. Geisler and Mr. John C. McCue for the appellant.

Messrs. Ridgway, Johnson & Montgomery and Mr. R. W. Jones (Mr. Albert B. Ridgway of counsel) for the appellee.

Before Ross, HUNT, and RUDKIN, Circuit Judges.
RUDKIN, Cir. J.:

This was a suit for infringement of Letters Patent No. 1,371,573. Infringement is admitted by the defendant, if the patent itself is valid, so that we are only concerned with the latter question. The validity of the patent was upheld by the court below, and the defendant has appealed.

The patent relates to means for the simplification of banking methods, consisting of a key-numbered blank, or form, to be used in connection with dishonored checks returned by a bank for one reason or another. The form is provided with a space containing the various reasons that may exist for the nonpayment of checks presented to a bank for payment; each reason being provided with a key number. It also contains spaces for inserting the name of the bank upon which the check was drawn, the name of the person by whom drawn, the key number, referring back to the specific reason for dishonoring the check, and the amount of the check. All these elements are confessedly old.

Thus the Wise patent, No. 934,643, is for an advertising device, consisting of an advertising sheet

containing a number of advertisements, with reference characters attached, associated with a certificate containing like reference characters, corresponding to the reference characters on the advertising sheet. The Moody patent, No. 1,291,077, relates to an improvement in a universal check. The check contains the names of a number of banks, each bearing a number, and the particular bank upon which the check is drawn is designated by the appropriate number. The Dow and Curtis form is designed for the return of a single dishonored check or item. The form contains a similar list of reasons for the return of the check, but the particular reason is designated by a check mark.

We agree with the court below that the form here in question differs from and is not foreshadowed by any of the forms or devices to which we have referred; "yet the question of fact remains whether all this reveals invention, or whether it was no more than the skill of a mechanic plus the taste of a good salesman." *Harmon Paper Co. v. Prager* (C. C. A.), 287 Fed. 841, 844; 317 O. G. 780. On the one hand, we have the presumption of novelty which attaches to every patent; we have a new form or blank, possessing some degree of novelty; we have a time-saving device, and to some extent we have commercial success. All of these are potent factors, but none are controlling. On the other hand, we have a simple form, made up of old and well-known elements, and every change in forms and business methods does not come within the purview of the patent laws. As said by the court in *Atlantic Works v. Brady*, 107 U. S. 192, 200; 2 Sup. Ct. 225, 231 (27 L. Ed. 438); 23 O. G., 1330:

The design of the patent laws is to reward those who make some substantial discovery or invention, which adds to our knowledge and makes a step in advance in the useful arts. Such inventors are worthy of all favor. It was never the object of those laws to grant a monopoly for every trifling device, every shadow of a shade of an idea, which would naturally and spontaneously occur to any skilled mechanic or operator in the ordinary progress of manufactures. Such an indiscriminate creation of exclusive privileges tends rather to obstruct than to stimulate invention. It creates a class of speculative schemers, who make it their business to watch the advancing wave of improvement, and gather its foam in the form of patented monopolies, which enable them to lay a heavy tax upon the industry of the country, without contributing anything to the real advancement of the

arts. It embarrasses the honest pursuit of business with fears and apprehensions of concealed liens and unknown liabilities to lawsuits and vexatious accountings for profits made in good faith.

The question of invention is one of fact, but in cases such as this it is largely a matter of opinion. The chief, if not the only, novelty or utility about the device in question, is the fact that it enables a bank to return several checks on a single form, thus saving time, labor, and stationery. The case is close to the border line, but in the present state of the art we are of opinion that the mere adoption or use of a key number to indicate the reasons for the return of a check might readily occur to any ordinary bank clerk or stationer, and does not rise to the dignity of invention.

The decree is therefore reversed.

ADJUDICATED PATENTS.

(C. C. A. Calif.) Murphy reissue patent, No. 13,428, for a wall bed, claims 9, 10, 13, and 14 Held not infringed. *Rip Van Winkle Wall Bed Co. v. Murphy Wall Bed Co.*, 1 F. (2d) 673.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,055,351, O. E. Pease, Awning support, suit filed Nov. 11, 1924, D. C., S. D. N. Y., Doc. E 30/265, *F. J. Kloes, Inc., v. H. Kahn*.

1,095,722, B. Ford, Secondary or storage batteries, suit filed Nov. 3, 1924, D. C. Mass., Doc. E 2020, *The Electric Storage Battery Co. v. Hood Rubber Co.*

1,142,361, G. Ornstein, Process of antisepticizing water, suit filed Nov. 13, 1924, D. C. Conn., Doc. E 1749, *Electro Bleaching Gas Co. v. The City of Stamford*.

1,277,652, B. F. Seymour, Gearing, suit filed Nov. 13, 1924, D. C. Mich., Doc. 871, *B. F. Seymour v. Ford Motor Co.*

1,281,366, L. R. Helm, Method of grinding hardened rolls; Re. 15,035, same, Roll-grinding machine, suit filed Nov. 11, 1924, D. C. Conn., Doc. E 1747, *The Helm Grinder Co. v. The Fafnir Bearing Co.*

1,326,132, M. F. Kiessling, Machine for making snap fasteners, suit filed Jan. 23, 1924, D. C., S. D. N. Y., Doc. E 23/62, *Consolidated American Fastener Co., Inc. v. Regal Button Works*. Final decree sustaining patent, adjudging infringement, and granting injunction filed Nov. 13, 1924.

1,333,708, P. A. Fischer, Adjustable cap, suit ordered dismissed for lack of equity (notice dated Nov. 11, 1924), D. C., S. D. N. Y., Doc. E 23/135, *P. A. Fischer et al. (Fire & Levy) v. Dry Dock Cap Mfg. Co., Inc.* Same, Doc. E 23/136, *P. A. Fischer et al. (Fire & Levy) v. A. D. Feldstein et al. (Feldstein & Co.)*.

1,366,069, J. E. Doyle, Means for preventing offset in printing, suit filed Nov. 13, 1924, D. C., N. D.

Ohio (E. Div.), Doc. 1310, *J. E. Doyle v. Nitch & Linskey (Little Wonder Electric Heater Co.)*.

1,378,033, J. H. Imhoff, Gear-shift and ignition lock; Re. 15,105, C. L. Johnson, Gear-shift-lever lock, suit filed Sept. 14, 1924, D. C. Ind., Doc. 728, *Johnson Automobile Lock Co. v. The Oakes Co.* Consent decree of injunction Nov. 10, 1924.

1,501,032, M. Abrahams, Acoustic horn, suit filed Nov. 13, 1924, D. C., S. D. N. Y., Doc. E 30/267, *M. Abrahams v. Gimbel Bros., Inc.*

1,507,711, Pollock & Horn, Process of making plastic articles, final consent decree sustaining patent, adjudging infringement, and granting injunction filed Nov. 13, 1924, D. C., S. D. N. Y., Doc. E 30/192, *Inter-Ocean Radio Corp v. Globe Radio Horn Corp.*

Re. 14,649, E. J. Brooks, Box seal, suit ordered dismissed for lack of equity (notice dated Nov. 10, 1924), D. C., S. D. N. Y., Doc. E 23/195, *E. J. Brooks & Co., Inc., v. Signode System, Inc.*

Re. 15,035. (See 1,281,366.)

Re. 15,105. (See 1,378,033.)

Disclaimer.

1,283,843.—*Carl G. Olson and Frank W. England, Chicago, Ill. HOB-GRINDING MACHINE*. Patent dated July 5, 1921. Disclaimer filed December 12, 1924, by the assignee, *Illinois Tool Works*.

Hereby enters this disclaimer—

"To that part of the claim in the said specification which is in the following words, to wit:

"3. A machine tool having a work holder, a tool holder adapted to present a tool to the work, and a support in which the tool holder is journaled, the projected axis of the tool holder in its support passing approximately through the point of application of the tool to the work whereby the tool may be reversed and present its face at a similar angle in the opposite direction.

"4. A machine tool having a tool post, a tool holder at an oblique angle to the axis of the work, a spindle journaled in the tool holder and adapted to rotate the tool, the tool holder being pivoted to the post and adapted to swing about an axis lying approximately in a plane containing the axis of the spindle whereby the position of the tool carrier relatively to the work may be reversed to thereby reverse the angle presented by the tool to the work.

"5. A hob grinder having a tool post, a tool carrier, a spindle journaled in said tool carrier and adapted to carry the grinding wheel, and a work spindle for supporting and rotating the hob, the tool carrier holding the axis of the tool spindle at an oblique angle to the hob axis, and the tool carrier being pivoted to the tool post upon an axis oblique to the axis of the tool spindle.

"11. A relieving hob grinder having a rotatable work spindle adapted to carry the hob, a post, a frame journaled in said post about an axis which, if extended or produced, will approximately pass through the axis of the work spindle, a grinder spindle journaled in said frame and adapted to hold the grinder in contact with the hob at a point approximately in line with the axis of rotation of the frame, means for producing relative travel between the post and the work spindle in a direction parallel to the axis of the work spindle, and means operating in timed relation with the speed of rotation of the work spindle for periodically reciprocating said frame toward and from the axis of the work spindle.

"12. A hob grinder having a work spindle for rotating the hob, a post, the post and the hob having a uniform relative motion parallel to the axis of the work spindle, a disk-like grinder, a grinder spindle adapted to hold the side of the grinder in contact with the side of the hob teeth, the point of contact of the grinder with the hob teeth lying approximately in the same plane with the axis of the work spindle and the axis of the grinding spindle, a frame in which the grinder spindle is journaled, a post upon which said frame is pivotally supported, the axis of the frame lying approximately in the same plane as the axis of the work spindle and the axis of the grinder spindle, and driving means for said spindle carried by the frame and rotatable with it."

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 30, 1924.

[Vol. 329. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 137,554. (CLASS 39. CLOTHING.) Sorbo RUBBER-SPONGE PRODUCTS LTD., Woking, England. Filed Sept. 23, 1920.



Particular description of goods.—Shoe Soles and Linings for Helmets and for Hats. Said Soles and Said Linings Being Made of Sponge Rubber.

Claims use since Dec. 6, 1918.

Ser. No. 151,355. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WM. CAMERON & CO. INC., Waco, Tex. Filed Aug. 4, 1921.



Particular description of goods.—Paints—Namely, Roofing Paints, Mineral Paints, and Pigment Paints in Dry, Ready-Mixed, and Paste Form—Putty, and Varnishes.

Claims use since Oct. 1, 1920.

Ser. No. 157,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DE NORDISKE FABRIKER DE-NOFA AKTIESELSKAB, Christiania, Norway. Filed Dec. 30, 1921.

Margarit

Particular description of goods.—Eatable Fats and Oils.

Claims use since September, 1912.

Ser. No. 159,155. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Feb. 10, 1922.



Particular description of goods.—Neckties and Scarfs, Kimonos, Wash Dresses, Aprons, Waists, Blouses, Sweaters, Bathing Suits, Leather Gloves, and Corsets.

Claims use since about Jan. 30, 1922.

Ser. No. 163,940. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NACTO CLEANER CORPORATION, New York, N. Y. Filed May 16, 1922.

NACTO

Particular description of goods.—Composition of Matter for Cleaning Textile Fabrics and the Like.

Claims use since about Aug. 1, 1916.

Ser. No. 163,941. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NACTO CLEANER CORP., New York, N. Y. Filed May 16, 1922.



Particular description of goods.—Composition of Matter for Cleaning Fabrics and Removing Tar.

Claims use since about Aug. 1, 1919.

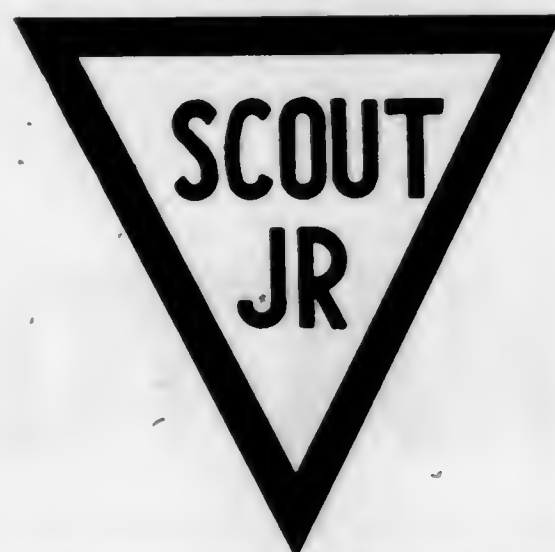
Ser. No. 166,075. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ICA AKTIENGESellschaft, Dresden, Germany. Filed June 26, 1922.

Iconta

Particular description of goods.—Cameras of All Types, Including Folding Cameras, Magazine Cameras, Stereoscopic Cameras, Reproduction Cameras, Slot Shutter Cameras, Mirror Reflection Cameras, Microcameras, Panoramic Cameras, Tripod Cameras, and Roll-Film Cameras, Moving-Picture Cameras, and Apparatus for Taking Moving Pictures and Accessories, and in Particular Objectives, Screen Lenses; Shutters of All Types, Including Particularly Sectional Shutters, Slot Shutters, Sector Shutters; Adapters, Metal Tripods, Wooden Tripods, Magnifying and Diminishing Apparatus, Light and Ray Filters, Exposure Meters, Photographic Viewing Apparatus, Picture-Clipping Fingers, Photographic Dry Plates, Photographic Films, Photographic Paper, Shutter Disengagers, Focus-Magnifying Glasses, Vignettes, Printing Frames, Printing Apparatus, Weighing Scales, Film Clamps, Developing Troughs, and Backgrounds; Moving-Picture-Projection Apparatus—Namely, Projection Screens, Film-Winding Machines, Film-Pasting Devices, Condenser Lenses, and in Particular Cinema Objectives and Diapositive Objectives; Projection-Apparatus Accessories, and in Particular Tripods, Projecting Magnifying Glasses.

Claims use since Jan. 1, 1922.

Ser. No. 168,964. (CLASS 39. CLOTHING.) GOTHAM NOVELTY CO., New York, N. Y. Filed Sept. 1, 1922.



Particular description of goods.—Boys' Caps, Outer Shirts, Blouses, Pants, Suits, and Athletic Uniforms.

Claims use since Aug. 21, 1922.

Ser. No. 169,868. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PAYM COMPANY, LIMITED, Stolberg, Germany. Filed Sept. 23, 1922.

„Sonomor“

Particular description of goods.—Pins, Safety Pins, Hairpins, Hooks and Eyes, Corset Eyes, Double Eyes, Shoe Eyes, Shoe-Clasp Buckles, Buckles, Waistband Clasps and Waist and Corset Clasps, Waist and Skirt Buttons, Snap Fasteners, and Thimbles, All of Base Metal; Bone Stilettoes and Shoe and Glove Buttoners, Buttons, and Collar Supporters of Bone, Composition, or Base Metal.

Claims use since July, 1908.

Ser. No. 172,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAXLEY L. OHARR, Huntington Beach, Calif. Filed Nov. 21, 1922.



The words "None Genuine without This Signature" are disclaimed apart from the mark as shown.

Particular description of goods.—Compounded Laxative Mineral Water.

Claims use since Jan. 25, 1922.

Ser. No. 173,430. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. J. KRANK MANUFACTURING CO., St. Paul, Minn. Filed Dec. 16, 1922.

Skin-Health

Particular description of goods.—Face Powder, Toilet Cream, Cold Cream, Astringent Preparation for Sun and Wind Burn, Preparation for Sore Feet, Preparation for Hay Fever and Cold, and Flesh Reducer.

Claims use since Nov. 23, 1922.

Ser. No. 176,015. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DOMESTIC ELECTRIC COMPANY, Cleveland, Ohio. Filed Feb. 14, 1923.

Domestic

Particular description of goods.—Electric-Motor-Control Devices—Namely, Automatic Switches.

Claims use since about Dec. 2, 1922.

Ser. No. 179,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX ROBINS, doing business as Maxine Drug Co., Chicago, Ill. Filed Apr. 16, 1923.



Particular description of goods.—Liquid Insect Extirminator.

Claims use since Apr. 2, 1919.

Ser. No. 182,697. (CLASS 39. CLOTHING.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed July 2, 1923.



Particular description of goods.—Children's and Misses' Hose Supporters or Garters.

Claims use since June 1, 1923.

Ser. No. 184,276. (CLASS 39. CLOTHING.) WINGET KICKERNICK CO., Minneapolis, Minn. Filed Aug. 9, 1923.

COMBINETTE

Particular description of goods.—Women's and Children's Underwear Constructed of Woven Fabric.

Claims use since Feb. 1, 1917.

Ser. No. 184,431. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLIED FRUIT & EXTRACT CO., New York, N. Y. Filed Aug. 14, 1923.

DAINTY-MAID

Trade-mark consists of the words "Dainty-Maid."

Particular description of goods.—Food-Flavoring Extracts, Fruit Syrups for Food-Flavoring Purposes, Malted Skim Milk, and Preserved Nuts.

Claims use since July 16, 1923.

Ser. No. 185,002. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD W. BROWN COMPANY, San Francisco, Calif. Filed Aug. 27, 1923.

GELRITE

Particular description of goods.—Gelatin Dessert Preparation.

Claims use since June 5, 1922.

Ser. No. 185,241. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CANTOL WAX COMPANY, Bloomington, Ind. Filed Sept. 1, 1923.



The drawing is lined to indicate the color blue.

Particular description of goods.—Belt Dressing and Wax Impregnating Compound for Fabrics and Belts—Namely, Waterproofing, Preserving, and Filling Compounds in the Nature of a Belt Dressing.

Claims use since March, 1921.

Ser. No. 185,278. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE T. WILSON, doing business as Dew-On Company, Cleveland, Ohio. Filed Sept. 1, 1923.

DEW-ON

Particular description of goods.—Preparations for Cleaning, Polishing, and Improving Furniture, Pianos, Woodwork, Waxed and Hardwood Floors, Automobiles, and Varnished Surfaces Generally.

Claims use since about Apr. 10, 1923.

Ser. No. 185,951. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BERSTED MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 20, 1923.



Without waiving any common-law rights applicant disclaims exclusive right to the use of the word "Plug" apart from the trade-mark shown.

Particular description of goods.—Plugs for Completing the Connection Between Electric Wires and Devices to Which Electricity is to be Supplied.

Claims use since December, 1922.

Ser. No. 186,196. (CLASS 39. CLOTHING.) THE NU BOND CORSET COMPANY, Los Angeles, Calif. Filed Sept. 25, 1923.

NuWest

Particular description of goods.—Corsets and Corset Waists.
Claims use since Mar. 27, 1923.

Ser. No. 186,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL M. SIMONOVICH, doing business as Jugoslavian Tea Company, Cleveland, Ohio. Filed Sept. 27, 1923.

LIPA TEA

No exclusive right is claimed to the word "Tea" shown in the drawing.

Particular description of goods.—Medicinal Tea Constituting a Blood Tonic.
Claims use since about July 1, 1923.

Ser. No. 186,648. (CLASS 39. CLOTHING.) JAMES R. KENDRICK CO., INC., Philadelphia, Pa. Filed Oct. 6, 1923.

Kenlastic

Particular description of goods.—Corsets, Corset Elastics, Brassières, and Brassière Elastics.
Claims use since about Mar. 14, 1922.

Ser. No. 186,662. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MINER-EDGAR COMPANY, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Compounds of Oils and Other Solvents with Nitrated Cotton, Used in Dressing Leather.

Claims use since on or about Oct. 1, 1914.

Ser. No. 186,846. (CLASS 15. OILS AND GREASES.) LEWIS F. LYNE, JR., doing business as Oil Specialties and Supply Company, New York, N. Y. Filed Oct. 11, 1923.

Rustavoid

Particular description of goods.—Preparations in Greaselike and Liquid Form for Preventing Rust.
Claims use since Feb. 2, 1921.

Ser. No. 186,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAVIS-JOHNSON CO., Chicago, Ill. Filed Oct. 13, 1923.



Particular description of goods.—Medicinal Compound in Powdered Form for Use as a Remineralization or Tonic Product.

Claims use since Sept. 29, 1923.

Ser. No. 186,950. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAVIS-JOHNSON CO., Chicago, Ill. Filed Oct. 13, 1923.

PLAMIN

Particular description of goods.—Medicinal Compound in Powdered Form for Use as a Remineralization or Tonic Product.

Claims use since about Sept. 29, 1923.

Ser. No. 187,139. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OTTO SEIFFERT, Vienna, Austria. Filed Oct. 17, 1923.



Particular description of goods.—Chucks.
Claims use since July 12, 1922.

Ser. No. 187,315. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) JEWEL PHONOPARTS COMPANY, Chicago, Ill. Filed Oct. 22, 1923.



No claim is made to the words "Jewel Point" nor to the representation of a stylus apart from the mark shown in the drawing.

Particular description of goods.—Stylus for Phonographs.

Claims use since Mar. 24, 1922.

Ser. No. 187,502. (CLASS 39. CLOTHING.) GEORGE C. BATCHELLER & CO., New York, N. Y. Filed Oct. 26, 1923.



No exclusive right to the word "Corsets" being claimed herein apart from the trade-mark shown.

Particular description of goods.—Corsets.
Claims use since Aug. 1, 1923.

Ser. No. 187,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Oct. 31, 1923.



Particular description of goods.—Table Salt, Coloring for Foods, Laundry Bluing, Lye, Ammonia, and Starch.
Claims use since about 1913.

Ser. No. 187,900. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Nov. 1, 1923.

PRIDE OF THE WEST

Particular description of goods.—Prepared Roofing, Particularly Shingles and Rolls.
Claims use since about 1914.

Ser. No. 188,562. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HARRY LERNER, doing business as H. Lerner Company, Brooklyn, N. Y. Filed Nov. 19, 1923.

LERNER WARE

Particular description of goods.—Flat and Hollow Table and Toilet Silver-Plated Ware.
Claims use since Aug. 15, 1923.

Ser. No. 188,927. (CLASS 32. FURNITURE AND UPHOLSTERY.) PREMIER BED AND SPRING CO., San Francisco, Calif. Filed Nov. 26, 1923.



Particular description of goods.—Beds, Springs, and Box Springs.
Claims use since October, 1921.

Ser. No. 189,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILEY DANDRUFF REMOVER CO., doing business as The Wiley D. R. Co., Toledo, Ohio. Filed Nov. 30, 1923.

WILEY'S D.R.

Particular description of goods.—Liquid Preparations for Shampoo and Massage and Treatment of the Scalp, Hair, and Face and for Toilet Waters.
Claims use since about October, 1904.

Ser. No. 189,256. (CLASS 39. CLOTHING.) THE MENIHAN COMPANY, Rochester, N. Y. Filed Dec. 5, 1923.



The word "Oversize" is disclaimed apart from the mark.

Particular description of goods.—Leather Shoes.
Claims use since Oct. 1, 1923.

Ser. No. 189,257. (CLASS 39. CLOTHING.) THE MENTHAN COMPANY, Rochester, N. Y. Filed Dec. 5, 1923.



The word "Shoes" is disclaimed apart from the mark.
Particular description of goods.—Leather Shoes.
Claims use since about Nov. 1, 1923.

Ser. No. 189,630. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JOSEPH ISIDORE LE BEL, Montreal, Quebec, Canada. Filed Dec. 13, 1923.

PARANIC

Particular description of goods.—Smoking Pipes and Cigar and Cigarette Holders.
Claims use since Oct. 23, 1923.

Ser. No. 189,961. (CLASS 37. PAPER AND STATIONERY.) BERGSTROM PAPER COMPANY, Neenah, Wis. Filed Dec. 21, 1923.



Particular description of goods.—Book Papers, Cover Papers, and Catalogue Papers.
Claims use since May 10, 1923.

Ser. No. 190,293. (CLASS 39. CLOTHING.) MAGIC DRESS CO., Los Angeles, Calif. Filed Dec. 31, 1923.

MAGIC

DRESS

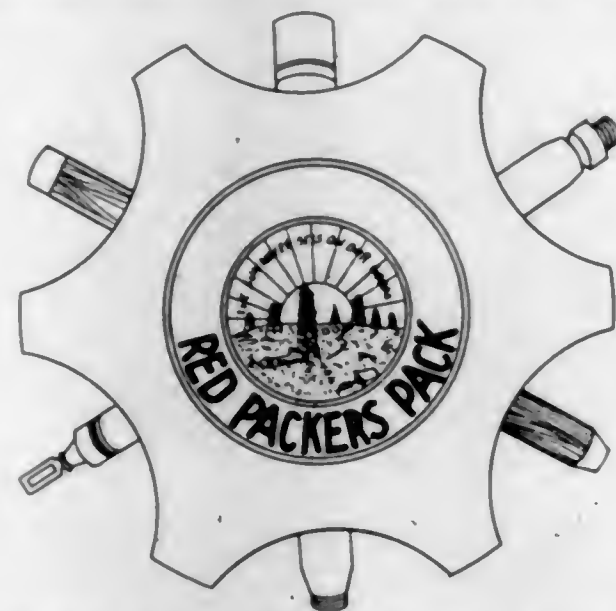
The word "Dress" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Dresses.
Claims use since Dec. 3, 1923.

Ser. No. 190,524. (CLASS 37. PAPER AND STATIONERY.) TUSSEY-BURNS CO., Philadelphia, Pa. Filed Jan. 7, 1924.

EVEREADY

The lines on the letters of the drawing are merely for the purpose of shading and do not represent any particular color.
Particular description of goods.—Wax Paper Sheets Packed in Dustproof Bags.
Claims use since Nov. 17, 1923.

Ser. No. 190,938. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBINSON PACKER COMPANY, Tulsa, Okla. Filed Jan. 17, 1924.



No claim is made for the words "Red Packers Pack" and the representation of the packers appearing on the drawing apart from the mark shown.

Particular description of goods.—Regular Anchor Packers, Disk Anchor Packers, Screw Anchor Packers, Bottom-Hole Packers, Disk Bottom-Hole Packers, Canvas Packers, Disk Wall Packers, Trip Wall Packers, Trip Wall Pumping Packers, Conical-Sleeve Packers, Trip Wall Pumping Packers Without Gas Escape, Cave Packers, Tool-Setting Cave Packers, Three-In-One Packers, High-Pressure Three-In-One Packers, Macksburg or Armor Packers, Dresser Pumping Packers with Gas Escape, Leather Cup Packers, Regular or New-Style Gas Packers, Baby Bottom-Hole Packers, Lead and Rubber Bottom-Hole Packers, Improved Lead Bottom-Hole Packers, Lead Bottom-Hole Packing Shoes.

Disk-Wall-Packer Parts, Trip-Wall-Packer Parts, Limit Plugs, Wood and Rubber Dry-Hole Plugs; Common Dry-Hole Plugs, Wooden; Male and Female Wood Plugs, Lead and Rubber Plugs; Lead Plugs, Solid; Lead Plugs with Steel Mandrels, New-Style Common Swabs, Swab Parts, Tubing Swabs, Fisher Swabs, Swaged Nipples, Bull Plugs, Floating Plugs, Bruce Gas Separators, California Pattern Shoes, Hard Steel Bored for Rivets Drive Shoes, Regular Drive Shoes, Tapered Drive Shoes, Packer Shoes, Lead Bottom-Hole Drive Shoes, Tubing Guides, and Swab Regulators.

Claims use since on or about Oct. 8, 1923.

Ser. No. 191,763. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ELLEN SILK MILLS, INC., New York, N. Y. Filed Feb. 4, 1924.

TAFFATEL

Particular description of goods.—Piece Goods of Tub Silk or Silk with Schapp Filling.
Claims use since Nov. 3, 1923.

Ser. No. 192,025. (CLASS 39. CLOTHING.) THE LAWRENCE WEBSTER CO., Malone, N. Y. Filed Feb. 8, 1924.

Adirondack

Particular description of goods.—Trousers, Suits, Odd Vests, and Reefers.
Claims use since March, 1916.

Ser. No. 192,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PATRICIA MILLS, INC., Kings Mountain, N. C. Filed Feb. 8, 1924.



Particular description of goods.—Table Napkins.
Claims use since June 1, 1910.

Ser. No. 192,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOH. GOTTL. HAUSWALDT, Magdeburg, Germany. Filed Feb. 14, 1924.



EXTRA FINE EATING CHOCOLATE

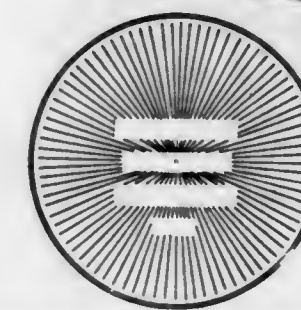
The words "Magdeburg, Exquisite Flavor, Superior Quality, Net Wt. 1 oz., Hauswaldt's Chocolate, Made in Germany, Extra Fine Eating Chocolate, Established 1786, Joh. Gottl. Hauswaldt" are disclaimed.
Particular description of goods.—Eating Chocolate.
Claims use since Oct. 15, 1923.

Ser. No. 192,637. (CLASS 38. PRINTS AND PUBLICATIONS.) HERMAN J. PELSTRING, Philadelphia, Pa. Filed Feb. 21, 1924.

The BURNING QUESTION

Particular description of goods.—Printed Books Issued in Continuing Series.
Claims use since May, 1915.

Ser. No. 193,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed Mar. 1, 1924.



Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery.
Claims use since April, 1922.

Ser. No. 193,810. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. A. B. MANUFACTURING CO., Oakland, Calif. Filed Mar. 15, 1924.

FABCO CIRCULATOR

No claim is made to the word "Circulator" apart from the mark as shown in the drawing.

Particular description of goods.—Water Pumps for Internal-Combustion-Engine Cooling Systems.
Claims use since July 12, 1923.

Ser. No. 194,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY PFAFF & MIKE KOSTIGIAN, Quincy, Ill. Filed Mar. 19, 1924.



Particular description of goods.—Pastry Puff Filled with Ice Cream.
Claims use since Jan. 1, 1923.

Ser. No. 194,125. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ROLA COMPANY, Seattle, Wash. Filed Mar. 20, 1924.

ROLA

Particular description of goods.—Electrical Loud Speakers or Microphones.
Claims use since about June 15, 1923.

Ser. No. 193,865. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE COHEN, FRIEDLANDER & MARTIN CO., Toledo, Ohio. Filed Apr. 21, 1924.

KASHANARA

Particular description of goods.—Wool and Mixtures Thereof in the Piece.
Claims use since Apr. 14, 1924.

Ser. No. 196,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE L. HARDING, New Britain, Conn. Filed Apr. 28, 1924.

PREVENTIT

Particular description of goods.—Liquid Preparation for the Treatment of Gonorrhea.
Claims use since Apr. 1, 1924.

Ser. No. 196,452. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE POLLY TOWN COMPANY, Chicago, Ill. Filed May 2, 1924.



Particular description of goods.—Candy.
Claims use since about Feb. 1, 1923.

Ser. No. 196,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REWARD CHEMICAL COMPANY, Toledo, Ohio. Filed May 2, 1924.

REWARD POP-LAX

Particular description of goods.—Liquid Cathartic or Physic.
Claims use since Feb. 29, 1924.

Ser. No. 196,051. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COTO-COIL CO., Providence, R. I., and Boston, Mass. Filed May 6, 1924.

Coto

Particular description of goods.—Radio Receiving, Detecting, and Amplifying Apparatus and Parts Thereof—Namely, Vacuum-Tube Receiving Sets, Electrical Coils, Coil Mountings, Vacuum-Tube Sockets, Variometers, Variocouplers, Variable Air Condensers, Radiofrequency Transformers, and Audiofrequency Transformers.
Claims use since Sept. 19, 1923.

Ser. No. 196,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed May 8, 1924.

BAKERS' WEDNESDAY SPECIAL RAISINS

The descriptive words "Bakers" and "Raisins" are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Dried Raisins and Dried Fruits.
Claims use since Nov. 15, 1923.

Ser. No. 196,984. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York. Filed May 13, 1924.

The trade-mark is a facsimile of the signature of the handwriting of Charles Frederic Worth, founder of Firm of Société Worth.

Particular description of goods.—Soaps.
Claims use since Jan. 13, 1923.

Ser. No. 197,046. (CLASS 39. CLOTHING.) ELMER B. QUILLEASH, Sioux City, Iowa. Filed May 14, 1924.

Quilleash

The Shop of Satisfaction

Trade-mark consists of the word "Quilleash" superposed upon a representation of a quill, together with the words "The Shop of Satisfaction." Applicant disclaims

329 O. G.—66

the exclusive right to the use of the words "The Shop of Satisfaction" apart from the other features of the mark without, however, waiving any common-law rights he may have in said words.

Particular description of goods.—Ladies', Misses', and Children's Hosiery; and Boots, Shoes, Oxfords, Pumps, and Sandals of Leather, Rubber, Composition, Fabric, and Combinations of the Same.

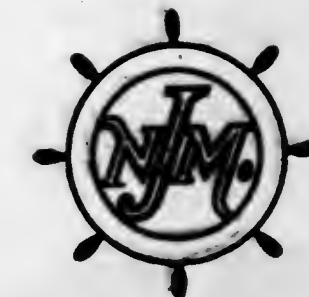
Claims use since February, 1923.

Ser. No. 197,154. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES KIMBRO, doing business as National Golf Course and Lawn Supply Co., Washington, D. C., assignors to William J. Dwyer and Henry S. Wood, both of Washington, D. C. Filed May 16, 1924.

UNIVERSAL

Particular description of goods.—Lawn-Mower Blades.
Claims use since Mar. 19, 1922.

Ser. No. 197,164. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEW JERSEY MOTORS, INC., Keyport, N. J. Filed May 16, 1924.



Particular description of goods.—Internal-Combustion Engines and Parts, Thereof.
Claims use since August, 1921.

Ser. No. 197,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED PRODUCTS CO., Chicago, Ill. Filed May 19, 1924.



HUNT'S CONCENTRATED BUTTER MILK

The words "Concentrated Butter Milk" do not form a part of the registration sought apart from the mark shown in the drawing.

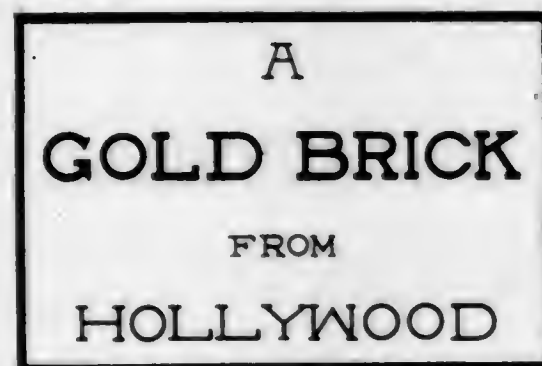
Particular description of goods.—Concentrated Butter-milk.
Claims use since Feb. 10, 1923.

Ser. No. 197,265. (CLASS 39. CLOTHING.) EVERNU RUBBER HEEL CORPORATION, New York, N. Y. Filed May 19, 1924.

EVERNU

Particular description of goods.—Rubber Heels for Boots and Shoes.
Claims use since about May 15, 1923.

Ser. No. 197,279. (CLASS 37. PAPER AND STATIONERY.) ALEXANDER J. JENSEN, Los Angeles, Calif. Filed May 19, 1924.



No claim is made to the words "a," "from," and "Hollywood" apart from the mark shown in the drawing.

Particular description of goods.—Paper Weights.
Claims use since May 5, 1924.

Ser. No. 197,357. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BIG 4 MFG. CO., Spokane, Wash. Filed May 21, 1924.



Particular description of goods.—Face Cream.
Claims use since May 13, 1924.

Ser. No. 197,463. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WINDSOR WAX COMPANY, INC., New York, N. Y. Filed May 22, 1924.

WINDSOR

Particular description of goods.—Wax Compositions in Liquid, Paste, and Powdered Form for Polishing Furniture, Woodwork, Wood Floors, Composition Floors, Linoleum, Automobiles, and Metal and Painted Surfaces and the Like.

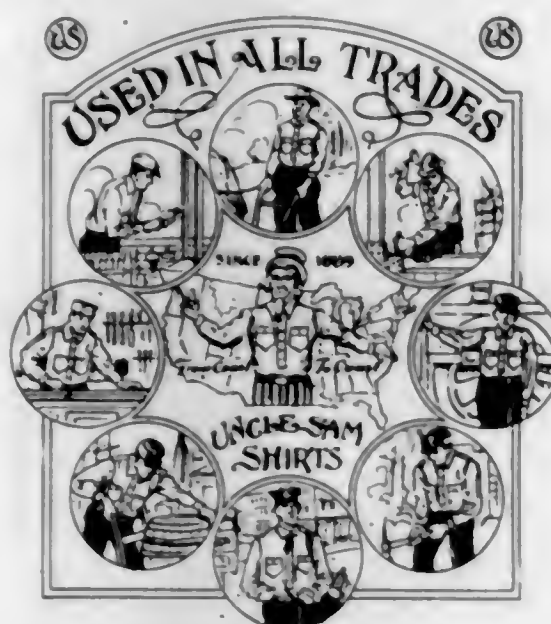
Claims use since December, 1923.

Ser. No. 197,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MCGREGOR CHEMICAL CO., Chicago, Ill. Filed May 26, 1924.

Nu-Tone

Particular description of goods.—Preparation for the Treatment of the Stomach, Bowels, Gastric Disorders, Headaches, Constipation, Rheumatism, and Gout.
Claims use since August, 1923.

Ser. No. 197,772. (CLASS 39. CLOTHING.) SALANT & SALANT INC., New York, N. Y. Filed May 28, 1924.



No claim is made to the exclusive use of the expressions "Used in All Trades Since 1899," "From Coast to Coast," and "Shirts" except in association with the other features of the mark.

Particular description of goods.—Work Shirts.
Claims use since February, 1924.

Ser. No. 197,800. (CLASS 37. PAPER AND STATIONERY.) THE CENTURY PEN COMPANY, Whitewater, Wis. Filed May 29, 1924.

DURAPOINT

Particular description of goods.—Fountain Pens.
Claims use since Nov. 1, 1922.

Ser. No. 198,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUCHARD, S. A., Serrières, Switzerland. Filed June 4, 1924.

WILKA

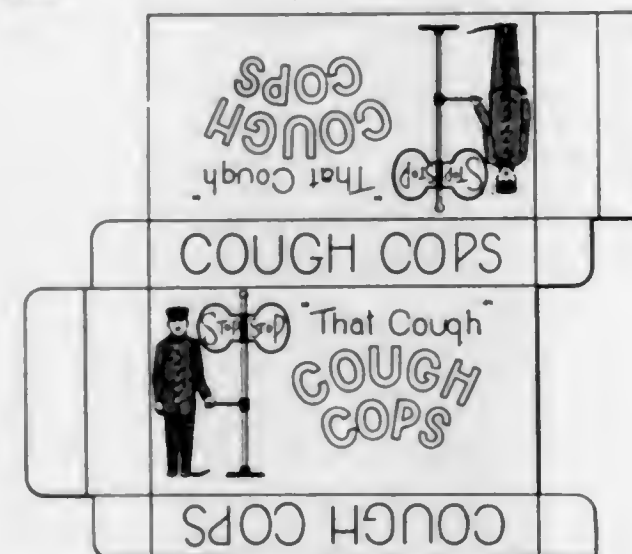
Particular description of goods.—Chocolate.
Claims use since 1906.

Ser. No. 198,224. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CLARAVOX COMPANY, Youngstown, Ohio. Filed June 7, 1924.

CLARAVOX

Particular description of goods.—Radio Loud Speakers.
Claims use since May 20, 1924.

Ser. No. 198,272. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. VOSS, JR., Syracuse, N. Y. Filed June 7, 1924.



No claim is made to the words "Cough" and "Stop That Cough" apart from the marks shown in the drawing. No claim is made to the representation of the cartoon appearing on the drawing.

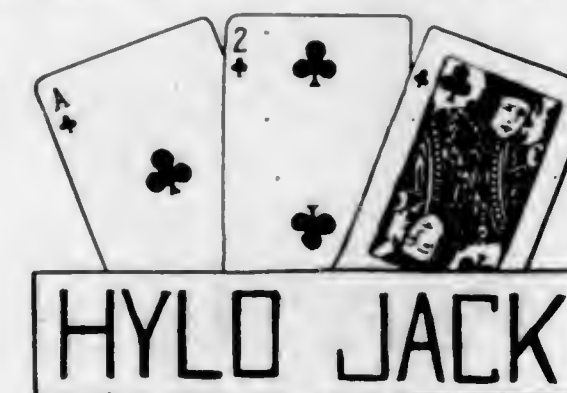
Particular description of goods.—Cough Drops.
Claims use since Jan. 2, 1924.

Ser. No. 198,393. (CLASS 39. CLOTHING.) ARNSTADT & COMPANY, New York, N. Y. Filed June 11, 1924.

LASTRITE

Particular description of goods.—Men's Robes and Suits, Women's Dresses and Robes, Girls' Dresses, Boys' Suits, Children's Dresses, and Clifton Mantles.
Claims use since on or about Mar. 1, 1924.

Ser. No. 198,514. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. WENTWORTH FLOYD, doing business as Hylo Jack Company, New York, N. Y. Filed June 13, 1924.



The word "Jack" appearing in the trade-mark is disclaimed apart from the mark shown by the drawing.

Particular description of goods.—Motor-Car and Other Vehicle Jacks.
Claims use since June 9, 1924.

Ser. No. 198,674. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PURITAN TUTTLE COAL CO., INC., Columbus, Ohio. Filed June 16, 1924.

DIXIE QUEEN

Particular description of goods.—Bituminous Coal for Steam and Domestic Purposes.
Claims use since January, 1912.

Ser. No. 198,698. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BIRMINGHAM STOVE & RANGE CO., Birmingham, Ala. Filed June 17, 1924.

Magic Baker

No claim is made to the use of the word "Baker" except in the relation shown.

Particular description of goods.—Gas, Coal, and Wood Cooking Ranges.
Claims use since Jan. 1, 1924.

Ser. No. 198,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. C. COLLINS COMPANY, Santa Ana, Calif. Filed June 18, 1924.



The lining of the four panels containing the letter "C" indicates shading only.

Particular description of goods.—Poultry, Hog, Horse, Rabbit, and Cattle Foods; Fresh Lemons and Oranges; Dried Figs, Raisins, Prunes, Peaches, Apricots, and Beans; Honey in Comb and Strained, Walnuts Shelled and Unshelled in Their Natural State.
Claims use since Apr. 1, 1924.

Ser. No. 198,963. (CLASS 37. PAPER AND STATIONERY.) THE PRAGER CO., INC., Brooklyn, N. Y. Filed June 21, 1924.

BRUSH-O-LITE

Particular description of goods.—Wall Paper.
Claims use since Apr. 14, 1924.

Ser. No. 199,015. (CLASS 39. CLOTHING.) ONEITA KNITTING MILLS, Utica, N. Y. Filed June 23, 1924.

Oneitart

Particular description of goods.—Knit Underwear for Women and Girls.
Claims use since May 25, 1922.

Ser. No. 199,136. (CLASS 39. CLOTHING.) THE UNIQUE CLEANERS AND DYERS, Chicago, Ill. Filed June 25, 1924.

**KLEAN
KLEANERS
AND LIVE DYERS**

Particular description of goods.—Men's, Women's, and Children's Suits, Dresses, Coats, and Gloves.
Claims use since December, 1912.

Ser. No. 199,654. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPONGBERG & RUDELIN, Rockford, Ill. Filed July 5, 1924.

**Dr. J. C. Litzelle's
UNIVERSAL PLASTER**

No claim is made to the word "Plaster" apart from the mark as shown.

Particular description of goods.—Plaster for Healing Bolls, Carbuncles, Swellings, Sprains, Aches and Pains, Rheumatism, and Sore Throat.
Claims use since June 1, 1924.

Ser. No. 199,700. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOME YEAST COMPANY, Chicago, Ill. Filed July 7, 1924.



No claim is made to the exclusive use of the word "Yeast" apart from the mark as shown in the drawing.
Particular description of goods.—Yeast.
Claims use since June 1, 1924.

Ser. No. 199,741. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AUTO SHEET METAL WORKS, Los Angeles, Calif. Filed July 8, 1924.

Trojan

Particular description of goods.—Automobile Bumpers, Automobile Trunk Racks, Automobile Luggage Carriers, and Metal Covers for Automobile Engines and Valves.
Claims use since Feb. 1, 1922.

Ser. No. 199,914. (CLASS 15. OILS AND GREASES.) WHITE STAR OIL COMPANY, Philadelphia, Pa. Filed July 11, 1924.



Particular description of goods.—Lubricating Oil, Stock Blend Oil, Cylinder Stock Oil, Viscous Neutral Oil, Nonviscous Neutral Oil, Black Oil, Green Lubricants, Cup Grease, Axle Grease, Pitch Grease, Set Grease, Cable Grease, Gear Grease, Roll Grease, Sundry Grease, Transmission Grease, Fiber Grease, Translucent Red Grease, Cutting Lubricants, Soluble Oil, Gasoline, Naphtha, Kerosene, Illuminating Oil, Road Oil, Fuel Oil, Black Fuel Oil, Gas Oil, Tallow and Tallow Compounds, Refined Paraffin Wax, and Castor Oil for Lubricating and Industrial Purposes.
Claims use since June 1, 1924.

Ser. No. 199,935. (CLASS 39. CLOTHING.) FISH-GALL'S INC., Sioux City, Iowa. Filed July 12, 1924.

Pari-Style

Particular description of goods.—Ladies' Suits, Coats, Dresses, Waists, Corsets, and Underwear of Textile Fabric.
Claims use since Feb. 1, 1924.

Ser. No. 200,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GUARDIAS OINTMENT COMPANY, New York, N. Y. Filed July 15, 1924. Under ten-year proviso.



Particular description of goods.—Remedy for Treatment of Diseases of the Blood.
Claims use since June, 1878.

Ser. No. 200,142. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE FOX FURNACE COMPANY, Elyria, Ohio. Filed July 17, 1924.



No claim is made to the exclusive use of the words "Clean Out" apart from the mark shown on the drawing.

Particular description of goods.—Coal, Gas, Water, and Oil Furnaces and Heaters.
Claims use since Jan. 15, 1924.

Ser. No. 200,181. (CLASS 2. RECEPTACLES.) CHALFANT CAN COMPANY, Fort Wayne and Indianapolis, Ind. Filed July 18, 1924.

**ZERO
NO LOSS**

No claim is made to the words "No Loss" apart from the mark as shown.

Particular description of goods.—Cans for Shipping Milk.
Claims use since June 18, 1924.

Ser. No. 200,368. (CLASS 39. CLOTHING.) BEN A. MILLER, doing business as Eagle Cap Manufacturing Company, Los Angeles, Calif. Filed July 22, 1924.



Particular description of goods.—Caps for Men.
Claims use since July 15, 1920.

Ser. No. 200,369. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. O'HANLON & Co. LTD., Manchester, England. Filed July 22, 1924.

O'HANLON'S



The drawing is lined to indicate the color yellow.
Particular description of goods.—Window Hollands.
Claims use since Sept. 26, 1923.

Ser. No. 200,569. (CLASS 39. CLOTHING.) LEWIS MANHEIM, Pittsburgh, Pa. Filed July 26, 1924.



Applicant disclaims the use of the word "Shoes" apart from the mark as shown on the drawing.

Particular description of goods.—Shoes Which are Made from Leather or from Fabric, or from a Combination of Leather and Fabric.

Claims use since May 15, 1924.

Ser. No. 200,584. (CLASS 15. OILS AND GREASES.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed July 26, 1924.



Particular description of goods.—Paints (Ready-Mixed, Paste Form, and Dry), Paint Enamels, Japans, Varnishes, Stains, and Fillers.

Claims use since Sept. 6, 1920.

Ser. No. 200,636. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RICHARD H. OAKLEY, doing business as Oakley Paint Manufacturing Company, Los Angeles, Calif. Filed July 28, 1924.

DRI-SEAL

Particular description of goods.—Mixed Paints.

Claims use since January, 1921.

Ser. No. 200,653. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924. Under ten-year proviso.

FLORENTINE

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 6, 1887.

Ser. No. 200,655. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924.

LOTUS

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 1, 1902.

Ser. No. 200,660. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924.

GLORIANA

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 1, 1895.

Ser. No. 200,822. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAURENT LAFAY, Paris, France. Filed Aug. 1, 1924.

LIPIODOL

Trade-mark consists of the word "Lipiodol."

Particular description of goods.—Medicinal Preparation for Scrofula, Lymphatism, Adenoids; Diseases of Lungs, Heart, and Blood Vessels; Rheumatism, Specific Diseases, Asthma, Scrofulous Keratitis, Oto-Rhinolaryngology.

Claims use since Dec. 11, 1901.

Ser. No. 200,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Aug. 2, 1924.

PALATONE

Particular description of goods.—Series of Tonics with Different Medications.

Claims use since about Jan. 1, 1920.

Ser. No. 200,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. D. ROSZELL COMPANY, Peoria, Ill. Filed Aug. 2, 1924.



Particular description of goods.—Milk Chocolate, Caramel, and Peanut Candy Bar.

Claims use since 1919.

Ser. No. 201,028. (CLASS 39. CLOTHING.) M. GERLA & SON, New York, N. Y. Filed Aug. 6, 1924.

Trigshire

Particular description of goods.—Infants', Children's, Juniors', Misses', and Ladies' Dresses, Coats, Suits; Knitted and Textile Fabric Underwear for Men, Women, and Children; Hosiery; Hats for Men, Women, and Children; Leather and Fabric Gloves; Leather, Rubber, and Fabric Shoes; Waist, Sweaters, and Men's, Ladies', and Children's Collars and Cuffs.

Claims use since May 1, 1924.

Ser. No. 201,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed Aug. 7, 1924.



Particular description of goods.—Witch-Hazel, Bronchial Troches, Coconut-Oil Shampoo, Headache Pellets, Saponaceous Antiseptic for Teeth, Cocoa Butter, Garden Spray for Insects, Liver Tablets, Solution of Citrate of Magnesia, Hair Tonic, Toilet Water and Calamine Lotion, Headache Powders, Sandalwood Oil, Formaldehyde, Grippe and Cold Tablets, Castor Oil, Cough Balsam, Corn Remedy, Complexion Cream, Willow-Charcoal Powder, Chlorate of Potash Tablets, Laxative, Granular Effervescent Bromo, Hairdressing and Bandoline, Hair Coloring, Dyspepsia Tablets, Elixir Glycero-phosphates Compound, Sirup of Hypophosphites, Bay Rum, Dental Cream, Oxalic Acid, Muriatic Acid, Carbolic Acid, Coal-Tar Acid, Bisulphide of Carbon, Sugar of Lead, Iodoform, Sheep Dip, Ether, Copperas, Permanganate of Potash, Chloroform Liniment, Essence of Pepsin, Sea Salt, Vichy Salt, Benzoin Cream, Violet Ammonia, Arnica Salve, Cod-Liver Oil, Soluble Elastic Capsules of Balsam and Capiba, Sulphur and Cream of Tartar Lozenges; Condition Powders for Horses, Cattle, Hogs, and Poultry; Horse Liniment, Kissengen Salt, Citrated Magnesia, Nali Bleach, Soluble Phenyl, Skin Cream, Phosphate of Soda, Pile Suppository, Willow-Charcoal Tablets, Borated Bay Rum, Carbolic Salve, Pile Ointment, Eucalyptus Ointment, Boric-Acid Crystals, Powdered Boric Acid, Carmine, Tannic Acid, Powdered Alum, Aniseed, Bacchus Leaves with Stems, Cardamom Seeds, Artificial Carlsbad Salt, Cascara Bark, Camphorated Chalk, French Chalk, Soda Mint and Rhubarb, Precipitated Prepared Chalk, Chalk and Orris, Wintergreen Chalk, Chamomile Flowers, Cold Cream, Colloidion, Cream of Tartar, Epsom Salt, Bathing Epsom Salt, Essence of Peppermint, Tincture of Ginger, Fennel Seed, Flaxseed, Ground Flaxseed, Extract of Cascara Sagrada Aromatic, Extract Cascara Sagrada U. S. P., Glycerin, Glycerin and Rose Water, Benzoinated Glycerin and Rose Water, Carbolated Glycerin and Rose Water, Henna Leaves, Powdered Henna Leaves, Insect Powder,

Juniper Berries, Compound Licorice Powder, Lime Water, Lycopodium, Magnesia Carbonate, Oil of Sweet Almonds, Camphorated Oil, Oil of Bergamot, Coconut Oil, Oil of Eucalyptus, Lavender Oil, Oil of Wintergreen, Oil of Sassafras, Oil of Skunk, Sulphur Ointment, Zinc Ointment, Orris Root, Pure Oil of Rose, Chlorate Potash, Powdered Chlorate Potash, Powdered Rhubarb, Pure Rochelle Salts, Powdered Asafetida, Gum Asafetida, Saffron, Rose Water, Saltpeter, Salt of Tartar, Sarsaparilla Root, Sassafras Bark, Senna Leaves, Aromatic Spirit of Ammonia, Sweet Spirits of Niter, Spirits of Camphor, Sulphur, Pure Oil of Turpentine, Venice Turpentine, Tincture of Arnica, Tincture of Benzoin Compound, Tincture of Chloride of Iron, Tincture of Green Soap, Tincture of Myrrh, Turmeric, Zinc Oxide, Dobell's Solution, Sulphur and Cream of Tartar Lozenges, Granular Agar (Constipation Remedy); Ant Poison, Bedbug Poison, Vermifuge and Worm Confections, Toothache Drops, Lithia Tablets, Glycerin Suppositories, Soda-Mint Tablets, Sedlitz Powders, Sanitary Fluid (Germ Destroyer), Rublyptus (Mouth Wash), Denatured Alcohol, Chloroform, Aqua Ammonia, Concentrated Ammonia, Tincture of Iodine, Compound Cathartic Pills, Lanolin Hydros, Calomel and Soda Tablets, Alcohol for External Use, Japanese Menthol, Blue Ointment, Powdered Pepsin, Oil of Cedar, Oil of Cloves, Oil of Lavender Flowers, Goose Oil, Oil of Peppermint, Zinc Sulphate, Tr. Larkspur N. F., Spanish Saffron, Quinine Capsules, Calomel, Foot Powder, Elixir of Colchicum and Salicylates, Sirup White-Pine Compound, Antiseptic Vaginal Wash, Poison-Oak Solution, Solution of Iron of Magnesia Peptonate, Talcum Powder, Wine of Beef and Iron (Tonic), Antiseptic Astringent, Aromatic Cascara Laxative, Eucalyptus Menthol and Honey, Catarrh Remedy, Aromatic Castor Oil, Corn Paint, Chiblain Remedy, Borated Antiseptic Solution Thymolated, Elixir Genban Glycerinated, Cod-Liver Oil with Hypophosphites, Elixir Iron Phosphate, Quinine and Strychnine, Chest Oil, Elixir Glycero-phosphates, Tonic Hypophosphite Sirup, Hat Dye, Sirup Trifolium Compound, Kidney and Liver Tea, Penetrating Liniment, Insect Powder, Calcinated Magnesia, and Buchu-Juniper and Uva-Ursi Compound; (New) Mentholyptine, Blood Sirup, Kidney and Liver Remedy, Soda Bicarbonate, Antiseptic Powder, Aspirin Tablets, Hoarhound Cough Drops, and Sugar of Milk; an Insecticidal Preparation Intended for Use in Mitigating, Repelling, or Destroying Vermin; a Semimedical Semitoilet Preparation Intended for Use in Eradicating Dandruff and Parasitic Scalp Ailments; Perfume and Perfumed Toilet Water; Black White, a Form of Lead Carbonate Used in the Arts and in Medicine, Sometimes Applied Externally as an Astringent and Protective Application for Ulcers and Excoriated Surfaces, Burns, Etc.; Alkaline, Used to Indicate Its Action as a Preparation Which Counteracts Acidity, or a Preparation Having an Alkaline Reaction; Gargle, a Preparation Intended for Use in the Treatment of Laryngitis, Pharyngitis, and Tonsillitis; Healing Skin, an Ointment Intended for the Use of Soothing and Healing and for Relieving Eczema, Sores, and Certain Other Skin Eruptions; Moth Wax, a Coal-Tar Product Intended for Use as an Insecticide for Repelling Moths; Naptha-lene Flake, a Coal-Tar Product Intended for Use as an Insecticide for Repelling Moths; Liquid Paraffin, Used as a Mineral Oil Laxative; Restfoot Powder, a Semitoilet Preparation for Relieving Certain Discomforts of the Feet; Lanolin Hydros, a Purified Fat of the Wool of Sheep Combined with Not Less than 25% or More than 30% Water; a Liquid Silicate of Soda, Sometimes Known as Liquid Glass, Used for the Preservation of Eggs; a Preparation Designed for the Relief of Asthma; Antiseptic Vaginal Suppositories; an Insecticidal Preparation Intended for Repelling Fleas and Mosquitoes, Now Marketed Under the Name of Flea and Mosquito Driver, a Preparation Designed for the Purpose of Cleaning Straw Hats; Soft Elastic Gelatin Capsules Filled with Olive Oil for Medicinal Purposes; a Preparation Designed for the Purpose and Use of a Mouth Wash and Tooth Wash.

Claims use since Sept. 2, 1899.

Ser. No. 201,127. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, Chicago, Ill. Filed Aug. 8, 1924.

Society

Particular description of goods.—Clothing.—Namely, Coats, Vests, Trousers, Knickerbockers, and Overcoats for Men; Overcoats, Knickerbockers, and Jackets for Women; Coats, Vests, Pants, Knickerbockers, and Overcoats for Youths and Children.

Claims use since first part of 1906.

Ser. No. 201,350. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACK KELLY, El Centro, Calif. Filed Aug. 13, 1924.

Pattie

Particular description of goods.—Fresh Cantaloupes. Claims use since Apr. 25, 1924.

Ser. No. 201,351. (CLASS 38. PRINTS AND PUBLICATIONS.) KING CARD COMPANY, Philadelphia, Pa. Filed Aug. 13, 1924.



No claim is made for the word "Cards" apart from the mark as shown.

Particular description of goods.—Engraved Greeting Cards and Calendars.

Claims use since 1913.

Ser. No. 201,407. (CLASS 39. CLOTHING.) NEW HAVEN SILK HOSIERY COMPANY, New Haven, Ind. Filed Aug. 14, 1924.



No claim is made to the word "Hosiery" apart from the trade-mark.

Particular description of goods.—Hosiery. Claims use since Aug. 7, 1924.

Ser. No. 201,452. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEO. P. IDE & CO., INC., Troy, N. Y. Filed Aug. 15, 1924.

Ide

Particular description of goods.—Handkerchiefs. Claims use since June 30, 1913.

Ser. No. 201,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Aug. 22, 1924.

Temple d'Amour

Particular description of goods.—Skin and Tissue Cream, Talc, Face Powder, Bath Salts, Sachet, Tooth Powder, Almond Meal, Toilet Water, Headache Cologne, Smelling Salts, Cold Cream, Tooth Paste, Perfume, Lip Sticks, Bath Powder, Toilet Cerate, and Vanishing Cream. Claims use since Dec. 22, 1923.

Ser. No. 201,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif. Filed Aug. 23, 1924.

Mayflower

Particular description of goods.—Fresh Grapes. Claims use since July 21, 1924.

Ser. No. 201,834. (CLASS 39. CLOTHING.) CARR CLOTHING COMPANY, San Antonio, Tex. Filed Aug. 25, 1924.



Applicant disclaims the exclusive use of the word "Brand" apart from the mark shown on the drawing.

Particular description of goods.—Work Pants and Coats.

Claims use since July, 1920.

Ser. No. 201,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOLOVOY SISTERS, Chicago, Ill. Filed Aug. 25, 1924.

Father Wolovoy's



Trade-mark consists of the words "Father Wolovoy's" in connection with a portrait of M. Wolovoy (deceased).

Particular description of goods.—Medical Preparation Used in the Treatment of Bladder Trouble.

Claims use since about June 20, 1924.

Ser. No. 201,906. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SOCIETE ANONYME DES PAPIERS ABADIE, Paris, France. Filed Aug. 26, 1924. Under 10-year proviso.

ABADIE

Particular description of goods.—Cigarette Papers, Cigarette Holders, and Cigarette Mouthpieces. Claims use since 1894.

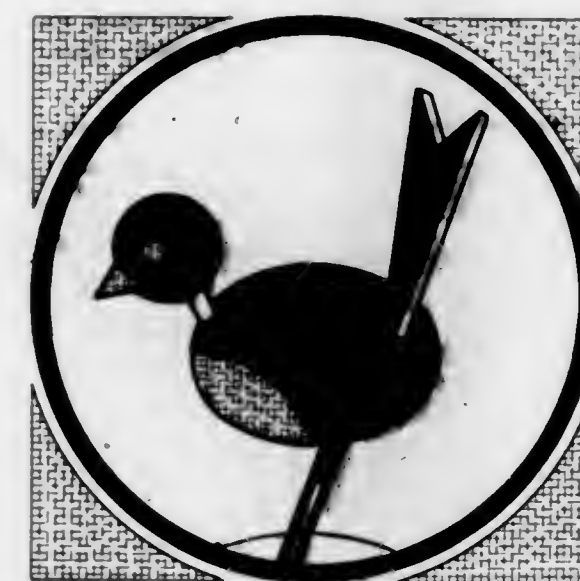
Ser. No. 201,939. (CLASS 39. CLOTHING.) ALGEE B. TOMLINSON, Shamrock, Tex. Filed Aug. 27, 1924.

The Air Brand Knee Pad

No claim is made to the words "Knee Pad" apart from the mark shown in the drawing.

Particular description of goods.—Knee Pads. Claims use since June 7, 1924.

Ser. No. 201,964. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KIMLARK RUG COMPANY, Neenah, Ws. Filed Aug. 28, 1924.



As indicated by the lining, the eye, beak, and breast of the bird and the corners of the background are in yellow.

Particular description of goods.—Rugs Woven from Paper Yarn.

Claims use since July 22, 1924.

Ser. No. 201,986. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LAURENCE M. THARP, Chicago, Ill. Filed Aug. 28, 1924.

P A R

Particular description of goods.—Golf Balls, Golf Clubs, and Golf Bags.

Claims use since July 18, 1924.

Ser. No. 202,006. (CLASS 12. CONSTRUCTION MATERIALS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Aug. 29, 1924.

DOWFLAKE

Particular description of goods.—Chemical Compounds and Hygroscopic Materials for Use in the Construction and Maintenance of Roads and Highways, for the Settling of Dust, and for the Curing of Concrete.

Claims use since Aug. 1, 1923.

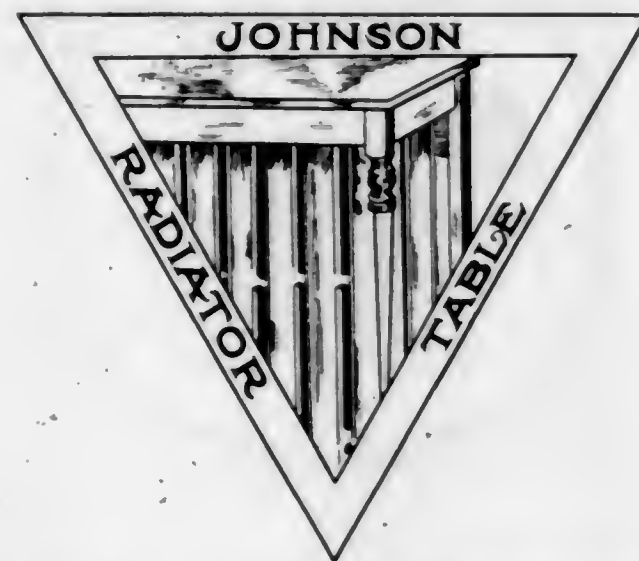
Ser. No. 202,103. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELTO OUTBOARD MOTOR COMPANY, Milwaukee, Wis. Filed Sept. 2, 1924.

Elto

Particular description of goods.—Marine Engines of the Outboard Type Using Gasoline for Fuel, and Parts Thereof.

Claims use since on or about May 1, 1921.

Ser. No. 202,211. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE JOHNSON COMPANY, INC., Philadelphia, Pa. Filed Sept. 4, 1924.



The words "radiator Table" and the picture of the table appearing on the drawing being disclaimed apart from the other features of the mark.

Particular description of goods.—Heatproof Tables for Use Over Radiators.

Claims use since July 18, 1924.

Ser. No. 202,311. (CLASS 39. CLOTHING.) VANDERTART COMPANY, INC., New York, N. Y. Filed Sept. 6, 1924.

VANDECO Buddy

YOUR KNITTED FRIEND

Particular description of goods.—Men's, Young Men's, and Boys' Knitted Sweaters, Vests, Slip-Overs, Golf Coats, and Scarfs.

Claims use since June 15, 1924.

Ser. No. 202,326. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CENTRAL DENTAL LABORATORY CO. INC., New York, N. Y. Filed Sept. 8, 1924.

PORS-KRAFT SPECIALTIES

No claim is made to the word "Specialties" apart from the mark as shown.

Particular description of goods.—Dental Crowns and Bridges.

Claims use since July 1, 1923.

Ser. No. 202,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. DRAPER, doing business as Draper Canning Company, Milton, Del. Filed Sept. 8, 1924.

King Cole



Particular description of goods.—Canned Vegetables.

Claims use since Aug. 1, 1924.

Ser. No. 202,332. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. L. SYNDICATE, LIMITED, London, England. Filed Sept. 8, 1924.



No claim is made to the word "Projector" apart from the mark shown.

Particular description of goods.—Cinematograph Projectors and Parts Thereof.

Claims use since Feb. 7, 1924.

Ser. No. 202,353. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRED S. NELSON, Chicago, Ill. Filed Sept. 8, 1924.

Bellerway

Particular description of goods.—Advertising Holders for Cards, Signs, and the Like.

Claims use since Aug. 25, 1924.

Ser. No. 202,506. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JEFFERSON COMPANY, Follansbee, W. Va. Filed Sept. 11, 1924.



Trade-mark is a portrait of President Thomas Jefferson.

Particular description of goods.—Electric Lamps.

Claims use since Dec. 1, 1923.

Ser. No. 202,581. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARK CO., New York, N. Y. Filed Sept. 13, 1924.

DURAWEAWE

Trade-mark consists of the word "Duraweave."

Particular description of goods.—Silk-Stripe Shirtings.

Claims use since June 14, 1923.

Ser. No. 202,631. (CLASS 39. CLOTHING.) KNITWEAR PROMOTORS, INC., New York, N. Y. Filed Sept. 15, 1924.

VANKNITYS

Particular description of goods.—Knit-Goods Materials and Knitted Articles for Women—Namely, Sweaters, Sweater Coats, Dresses, Belts for Personal Wear, Steamer Coats, and Bathing Suits.

Claims use since January, 1924.

Ser. No. 202,665. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALEXANDER S. HECHT, doing business as Dual Loud Speaker Co., New York, N. Y. Filed Sept. 16, 1924.



Particular description of goods.—Radio Supplies and Wireless Equipment—Namely, Loud Speakers, Amplifying Horns, and Head Sets.

Claims use since May 15, 1924.

Ser. No. 202,680. (CLASS 39. CLOTHING.) CHARLES SCHAEFFNER, New York, N. Y. Filed Sept. 16, 1924.

SODALITY

CLOTHES FOR BOYS

The words "Clothes for Boys" are hereby disclaimed apart from the mark as shown.

Particular description of goods.—Boys' and Young Men's Suits and Overcoats.

Claims use since Nov. 1, 1923.

Ser. No. 202,687. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ALEXANDER BROTHERS, Philadelphia, Pa. Filed Sept. 17, 1924.

TENTACULAR

Particular description of goods.—Leather Belts and Leather Belting.

Claims use since Sept. 6, 1924.

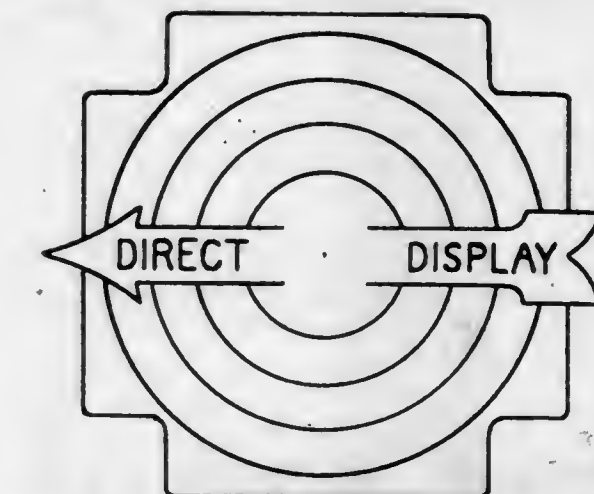
Ser. No. 202,724. (CLASS 11. INKS AND INKING MATERIALS.) GEORGE L. UMAN, doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Filed Sept. 17, 1924.

PAPCO

Particular description of goods.—Writing Inks.

Claims use since December, 1923.

Ser. No. 202,732. (CLASS 32. FURNITURE AND UPHOLSTERY.) CAMPBELL WOOD, Detroit, Mich. Filed Sept. 17, 1924.



No claim is made for the words "Direct Display" apart from the mark shown in the accompanying drawing.

Particular description of goods.—Advertising and Literature Racks.

Claims use since Sept. 13, 1924.

Ser. No. 202,744. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) DETROIT QUALITY BRUSH MFG. Co., Detroit, Mich. Filed Sept. 18, 1924.



The words "Trade-Mark" are disclaimed.

Particular description of goods.—Floor Brushes, Paper-Hangers' Brushes, Bottle Brushes, Window Brushes, Car-Washer Brushes, Corn Brooms, Street Brooms, Garage Brooms, Whisk Brooms, Mops, Paint Duster Brushes, Scrub Brushes, Nail Brushes, Hand Brushes, Clothes Brushes, Cloth Brushes, House Brooms, Factory Sweeping Brushes and Brooms, Factory Hand Brushes, Cotton and Feather Dusters, Wall Brushes, Counter-Duster Brushes, Type Brushes, Sash Tool Brushes, Paintbrushes, Calcimine Brushes, Bath Brushes, Closet-Bowl Brushes, Auto Brushes, Creamery Brushes, Platers' Brushes, Spider Wall Brushes, Pick-Up Brushes, Whitewash Brushes, and Hand-Cleaning Brushes.

Claims use since Jan. 5, 1923.

Ser. No. 202,757. (CLASS 38. PRINTS AND PUBLICATIONS.) S. S. PIERCE Co., Boston, Mass. Filed Sept. 18, 1924.

THE EPICURE

Particular description of goods.—Store Trade Publication Published from Time to Time.
Claims use since 1887.

Ser. No. 202,779. (CLASS 38. PRINTS AND PUBLICATIONS.) GEO. A. HORNER & Co., Austin, Minn. Filed Sept. 19, 1924.

THE SQUEAL

Particular description of goods.—Periodical.
Claims use since January, 1917.

Ser. No. 202,787. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RUTENBER ELECTRIC COMPANY, Marion, Ind. Filed Sept. 19, 1924.

Chill Chaser

Particular description of goods.—Electric Air Heater of the Reflector Type.
Claims use since July, 1924.

Ser. No. 202,865. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERBERT H. PROST, INCORPORATED, Chicago, Ill. Filed Sept. 22, 1924.

Musette

Particular description of goods.—Radio Equipment and Supplies—Namely, Loud Speakers and Amplifying Horns.
Claims use since Aug. 15, 1924.

Ser. No. 202,884. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) OLSEN & EBANN, Chicago, Ill. Filed Sept. 22, 1924.

Olsen Ebann

Particular description of goods.—Jewelry for Personal Wear—Namely, Finger Rings, Bracelets, Bar Pins, Scarf Pins, Cuff Links, Watch Chains, Neck Chains, Lavallières, Necklaces, and Fraternal Jewelry All Made of Gold and Either Plain or Carrying Diamonds or Other Jewels.
Claims use since June, 1913.

Ser. No. 202,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES SKLENICKA, doing business as Sklenicka Trading Co., Omaha, Nebr. Filed Sept. 22, 1924.

PRAZDROJ

Particular description of goods.—Malt Syrup for Food Purposes.
Claims use since September, 1921.

Ser. No. 202,897. (CLASS 39. CLOTHING.) LINCOLN HOSIERY CORPORATION, Philadelphia, Pa. Filed Sept. 24, 1924.



The words "Better Wear" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Hosiery.
Claims use since Sept. 15, 1924.

Ser. No. 202,999. (CLASS 38. PRINTS AND PUBLICATIONS.) MACEADEN NEWSPAPER PUBLISHING CORPORATION, New York, N. Y. Filed Sept. 24, 1924.

NEW YORK EVENING GRAPHIC

Particular description of goods.—Newspaper.
Claims use since Sept. 15, 1924.

Ser. No. 203,010. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANTOINE RAOUL SILBER, doing business as Berstan Radio Products, Springfield, Mass. Filed Sept. 24, 1924.

BERSTAN

Particular description of goods.—Radio Transmitting and Receiving Sets and Parts Therefor, Telephone Head Sets, Radio and Audio Frequency Transformers, Crystals, and Variable Condensers.
Claims use since Feb. 1, 1924.

Ser. No. 203,025. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CLEVELAND AUTOMOBILE COMPANY, Cleveland, Ohio. Filed Sept. 25, 1924.

MILEAGE MOTOR

No claim is made to the word "Motor" apart from the mark as shown in the drawing.
Particular description of goods.—Internal-Combustion Engines and Motors and Parts Thereof.
Claims use since Sept. 2, 1924.

Ser. No. 203,135. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MONTAGUE CITY ROD CO., Montague City and Amherst, Mass., and Brooklyn, N. Y. Filed Sept. 27, 1924.

BROWNIE

Trade-mark "Brownie."
Particular description of goods.—Fishing Rods and Reels.
Claims use since May 1, 1924.

Ser. No. 203,144. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PLEE-ZING CORPORATION, New York, N. Y. Filed Sept. 27, 1924.

PLEE-ZING

Particular description of goods.—Canned Fruits and Vegetables, Coffee, Tapioca, and Cornstarch.
Claims use since July, 1924.

Ser. No. 203,148. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOHN SIMMONS Co., New York, N. Y. Filed Sept. 27, 1924.

JOSICO

Particular description of goods.—Steel and Other Metal Pipe, Valves Used in Plumbing and Steam Fitting, Sectional Pile Casings, Lock Nut Plates, Unions, Exhaust Heads, Gauge Cocks, Pipe Hangers, Hose Racks, Showers, Basins, and Fixtures for Water-Closets—Namely, Cocks, Sents, and Traps.
Claims use since about Dec. 1, 1904.

Ser. No. 203,169. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa. Filed Sept. 29, 1924. Under ten-year proviso.

Chloride

Particular description of goods.—Battery Plates or Elements.
Claims use since Feb. 1, 1893.

Ser. No. 203,176. (CLASS 39. CLOTHING.) HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Sept. 29, 1924.

TRAVLWEAR

Particular description of goods.—Men's Suits.
Claims use since May 27, 1924.

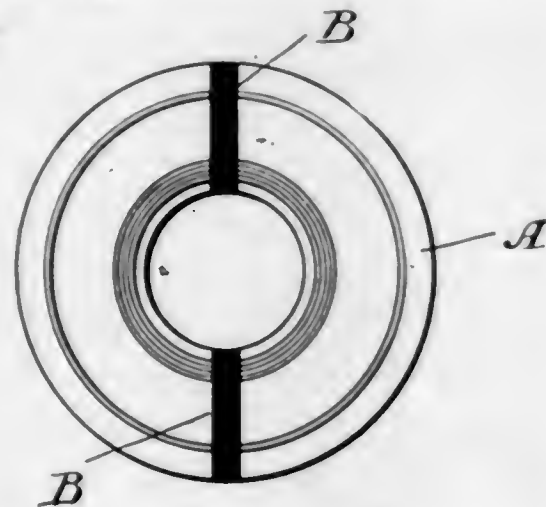
Ser. No. 203,202. (CLASS 39. CLOTHING.) POPE-MALONEY MILLINERY COMPANY, Louisville, Ky. Filed Sept. 29, 1924.



Applicant disclaims the words "Paris" and "New York" and the pictorial representation of a hat appearing in the drawing. They are no part of the trade-mark sought to be registered.

Particular description of goods.—Ladies' Hats.
Claims use since June 15, 1924.

Ser. No. 203,222. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RALPH B. CARTER COMPANY, New York, N. Y. Filed Sept. 30, 1924.



Trade-mark consists of the representation of a black stripe which is either painted on the diaphragm or vulcanized directly therein. No rights are asserted to the exclusive use of the representation of a diaphragm.

Particular description of goods.—Rubber Diaphragms for Pumps.

Claims use since May, 1924.

Ser. No. 203,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER FRANKE, West Haven, Conn. Filed Oct. 1, 1924.

FRANKE'S HONEY KRYSPETTES

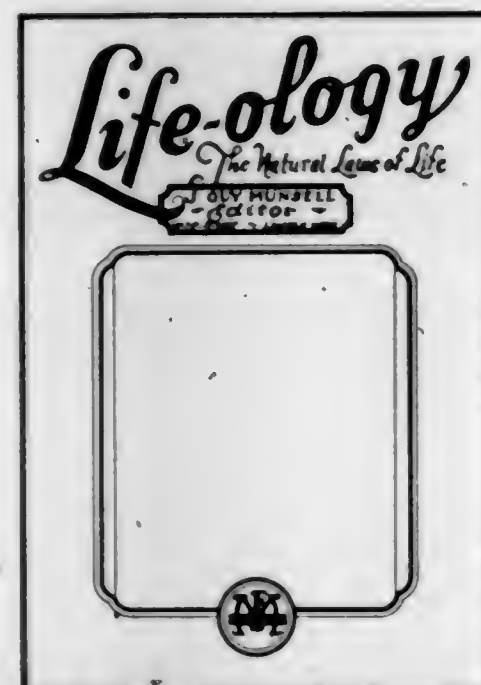
Particular description of goods.—Candied Pop Corn.
Claims use since June, 1921.

Ser. No. 203,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUSTAVUS GRAMMAS, doing business as Midstate Candy Co., Grand Rapids, Mich. Filed Oct. 1, 1924.



Particular description of goods.—Candy Bars.
Claims use since July 1, 1924.

Ser. No. 203,281. (CLASS 35. PRINTS AND PUBLICATIONS.) J. GUY MENSELL, Lincoln, Nebr. Filed Oct. 1, 1924.



"1215 P Street Lincoln, Nebraska" and the term "Mineral Food" are hereby disclaimed.

Particular description of goods.—Periodical Publication Issued Monthly.

Claims use since Sept. 1, 1924.

Ser. No. 203,286. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Oct. 1, 1924.



The portrait is merely fanciful.
Particular description of goods.—Dried Raisins.
Claims use since July 31, 1924.

Ser. No. 203,297. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BUSCHMAN WEISSBERG & CO. INC., New York, N. Y. Filed Oct. 2, 1924.

F. L. C.

Particular description of goods.—Electric Lamps Known in the Trade as Carbons.
Claims use since on or about Sept. 25, 1924.

Ser. No. 203,313. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HONNER, INC., New York, N. Y. Filed Oct. 2, 1924.

BUDDIES

Particular description of goods.—Mouth Harmonicas.
Claims use since April, 1922.

Ser. No. 203,324. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHERN NEW YORK GROCERY CO., Malone, N. Y. Filed Oct. 2, 1924.

NORTH GROVE

Particular description of goods.—Canned Fruits—Namely, Peaches, Pears, Pineapple, and Cherries; and Canned Vegetables—Namely, Succotash, Tomatoes, and Beans.

Claims use since June 27, 1924.

Ser. No. 203,411. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Oct. 4, 1924.



Particular description of goods.—Combs Made of Celluloid or Similar Material.
Claims use since about Nov. 19, 1921.

Ser. No. 203,420. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KATZ & OGUSH, INC., New York, N. Y. Filed Oct. 4, 1924.

KAYANO

Particular description of goods.—Finger Rings, Bar Pins, Scarf Pins, Bracelets, Sautolrs, Watch Chains, Gem Settings, Mesh Bags, Vault Cases, Barrettes, Brooches, Belt Buckles, Collar Pins, Cigarette Cases, Cigar Cutters, Collar Buttons, Earrings, Watch Fobs, Necklaces, Neck Chains, Necklace Clasps, Medals, Cuff Buttons, Shoe Buckles, Lockets, Tie Clasps, Watch-Chain Snaps, and Veil Pins, All of the Articles Being Made of or Coated with Precious Metal.

Claims use since Sept 1, 1924.

Ser. No. 203,462. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FITZPATRICK BROTHERS, Chicago, Ill. Filed Oct. 6, 1924.

BIG JACK

Particular description of goods.—Soap.
Claims use since about June, 1921.

Ser. No. 203,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. B. FOSTER PACKING CO., INC., Biloxi, Miss. Filed Oct. 6, 1924.



The portrait shown of the girl is fanciful. The pictorial representation of the States of Mississippi and Louisiana, together with the names of these States, does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Canned Shrimp and Canned Oysters.

Claims use since October, 1922.

Ser. No. 203,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RHEY LUCAS, Hot Springs, Ark. Filed Oct. 6, 1924.

"Get-thin"

Particular description of goods.—Weight-Reducing Preparation for External Use.

Claims use since June, 1923.

Ser. No. 203,480. (CLASS 38. PRINTS AND PUBLICATIONS.) MEYERHOFF & KAPLAN, Chicago, Ill. Filed Oct. 6, 1924.



Particular description of goods.—Books of Tables.

Claims use since Sept. 5, 1924.

Ser. No. 203,488. (CLASS 39. CLOTHING.) SCHENKER, MICHEL & WEINSTOCK, INC., Chicago, Ill. Filed Oct. 6, 1924.



No claim is made to the exclusive use of the word "Modes" apart from the mark shown in the drawing.

Particular description of goods.—Ladies' Coats and Suits.

Claims use since Aug. 16, 1924.

Ser. No. 203,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWIN PEAKS CANNING CO., Salt Lake City, Utah. Filed Oct. 6, 1924.

LUSCIOUS Leader

The word "Luscious" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Canned Vegetables.

Claims use since July 29, 1924.

Ser. No. 203,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UTAH CANNING COMPANY, Ogden, Utah. Filed Oct. 6, 1924.

HALLOWEEN

Particular description of goods.—Canned Vegetables—Namely, Tomatoes.

Claims use since July 5, 1924.

Ser. No. 203,499. (CLASS 39. CLOTHING.) WILH. BLEYLE, G. M. B. H., Stuttgart, Germany. Filed Oct. 6, 1924. Under ten-year proviso.

Bleyle

Particular description of goods.—Outer Garments and Undergarments for Men, Women, and Children—Namely, Sweaters, Suits, Trousers, Coats, Vests, Bloomers, Skirts, Blouses, Dresses, Caps, and Knitted Undergarments.

Claims use since 1889.

Ser. No. 203,541. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JNO. C. F. SNYDER & SONS, Philadelphia, Pa. Filed Oct. 7, 1924.

NEVERDUST

Particular description of goods.—Sweeping Compound.

Claims use since on or about Jan. 1, 1912.

Ser. No. 203,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENARD MAYONNAISE COMPANY, Nashville, Tenn. Filed Oct. 8, 1924.



Particular description of goods.—Salad Dressing Adapted also for Use as a Sauce for Meats or as a Sandwich Spread.

Claims use since Sept. 15, 1924.

Ser. No. 203,582. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOTUS BUD COMPANY, INC., New York, N. Y. Filed Oct. 8, 1924.

LOTUS BUD

Particular description of goods.—Shampoos in Powder, Paste, and Liquid Form; Hair Tonic, Waving and Curling Lotions for the Hair, Cold Cream, Vanishing Cream, Massage Cream, and Face Powder.

Claims use since about July 15, 1924.

Ser. No. 203,632. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE KLORO KLENZ CO., Chicago, Ill. Filed Oct. 9, 1924.

KLORO KLENZ

The word "Klenz" is disclaimed apart from the mark shown.

Particular description of goods.—Sanitary Cleaning Compounds.

Claims use since August, 1924.

329 O. G.—87

Ser. No. 203,650. (CLASS 38. MUSICAL INSTRUMENTS AND SUPPLIES.) OSCAR SCHMIDT INC., doing business as The Chartola Co., Jersey City, N. J. Filed Oct. 9, 1924.

CHARTOLA

Particular description of goods.—Zithers.

Claims use since May, 1919.

Ser. No. 203,658. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GLENN G. WHITE, doing business as The White-Hall Specialty Co., Kalamazoo, Mich. Filed Oct. 9, 1924.

O - G

Particular description of goods.—Household Cleaning Preparation.

Claims use since June 25, 1924.

Ser. No. 203,660. (CLASS 15. OILS AND GREASES.) AMERICAN MINERAL SPIRITS CO., Chicago, Ill. Filed Oct. 10, 1924.



The words "Motor" and "Oil" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Motor Oils Which are Lubricating Oils and Gasoline.

Claims use since Sept. 1, 1923.

Ser. No. 203,674. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GENERAL CHAIN COMPANY, Providence, R. I. Filed Oct. 10, 1924.



Particular description of goods.—Chains for Personal Wear Which are Made of or Plated with Precious Metals.

Claims use since July 1, 1919.

Ser. No. 203,697. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) I. N. SIMON AND SON, Philadelphia, Pa. Filed Oct. 10, 1924.

CUCUMBER



No claim is made to the word "Cucumber" or to the representation of the cucumber except in combination with the balance of the mark. The signature in the mark is that of Norval E. Kirby.

Particular description of goods.—Cucumber Seeds.
Claims use since Sept. 9, 1924.

Ser. No. 203,700. (CLASS 38. PRINTS AND PUBLICATIONS.) TECHNICAL SUPPLY CORPORATION OF CHICAGO, Chicago, Ill. Filed Oct. 10, 1924.



The abbreviation "T.S." appearing on the drawing is disclaimed apart from the mark shown.

Particular description of goods.—Blue Prints, Black-Line Prints, Direct-Blue-Line Prints, Negative Prints, and Photostat Prints.

Claims use since Dec. 22, 1923.

Ser. No. 203,701. (CLASS 12. CONSTRUCTION MATERIALS.) ASH GROVE LIME AND PORTLAND CEMENT COMPANY, Portland, Me., and Kansas City, Mo. Filed Oct. 11, 1924.

PUT-KOTE

Particular description of goods.—Finish-Coat Plastering Material.

Claims use since Sept. 16, 1924.

Ser. No. 203,729. (CLASS 39. CLOTHING.) FRENCH MADE UNDERGARMENT CO., Philadelphia, Pa. Filed Oct. 11, 1924.

French Maid

UNDERGARMENTS PHILADELPHIA

No claim is made to the words "Undergarment" and "Philadelphia" except in the particular arrangement in which they are shown.

Particular description of goods.—Ladies' Underwear comprising Nightgowns, Chemises, Step-Ins, Sets, and Princess Slips.

Claims use since Sept. 1, 1924.

Ser. No. 203,752. (CLASS 39. CLOTHING.) H. & L. SACKS, New York, N. Y. Filed Oct. 11, 1924.



Particular description of goods.—Children's and Misses' Dresses.

Claims use since January, 1918.

Ser. No. 203,757. (CLASS 39. CLOTHING.) SERVICE GARMENT COMPANY, Gainesville, Tex. Filed Oct. 11, 1924.



Particular description of goods.—Overalls, Jumpers, Work Shirts, Trousers, Unionalls, and Children's Play Suits.

Claims use since Sept. 1, 1924.

Ser. No. 203,781. (CLASS 38. PRINTS AND PUBLICATIONS.) ATHLETE AND SPORTSMAN COMPANY, INC., Columbus, Ohio. Filed Oct. 13, 1924.

Athlete and Sportsman

America's All Sport Magazine

No claim is made to the words "America's All Sport Magazine" apart from the other features of the mark as shown on the drawing.

Particular description of goods.—Monthly Magazine.
Claims use since Sept. 15, 1924.

Ser. No. 203,791. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa. Filed Oct. 13, 1924.



Particular description of goods.—Gate Valves and Fire Hydrants.

Claims use since Aug. 1, 1924.

Ser. No. 203,822. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEO. H. IRVINE, doing business as Sno-Flake Products Company, Detroit, Mich. Filed Oct. 13, 1924.

IRVINEW

Particular description of goods.—Automobile Body Polish and Furniture Polish.

Claims use since June 1, 1923.

Ser. No. 203,849. (CLASS 39. CLOTHING.) UNION KNITWEAR SERVICE, INC., New York, N. Y. Filed Oct. 13, 1924.



Particular description of goods.—Knitted Wearing Apparel, Such as Knitted Suits, Knitted Dresses, Knitted Swimming Suits, Knitted Sport Coats, Knitted Shakers, Knitted Shawls, Knitted Scarfs, Knitted Wraps, and Knitted Hosiery for Men, Women, and Children; Sweaters, Bathing Suits, Knitted Underwear, Knitted Children's Sets, Caps, Toques, Leggings, Mittens, Gloves, and Vests.

Claims use since Sept. 2, 1924.

Ser. No. 203,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMETTO COFFEE COMPANY, INC., Washington, D. C. Filed Oct. 14, 1924.



The word "Brand" is disclaimed apart from the other features of the mark shown on the drawing.

Particular description of goods.—Coffee.

Claims use since Aug. 9, 1924.

Ser. No. 203,928. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE AMERICAN MOTOR BODY CORPORATION, Philadelphia, Pa. Filed Oct. 16, 1924.



SIX WHEELER

No claim is made to the use of the term "Six Wheeler" apart from the mark shown in the drawing.

Particular description of goods.—Motor Vehicles—Namely, Automobile Passenger Busses.

Claims use since Sept. 23, 1924.

Ser. No. 203,947. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BRAND CONFECTIONERY INC., Boston, Mass. Filed Oct. 16, 1924.

Goldco

Particular description of goods.—Candy and Chocolates.
Claims use since May 1, 1924.

Ser. No. 203,949. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GUTMANN & COMPANY, Chicago, Ill. Filed Oct. 16, 1924.



No claim is made to the word "Brand" apart from the mark as shown.

Particular description of goods.—Leathers.

Claims use since Sept. 25, 1924.

Ser. No. 203,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md. Filed Oct. 16, 1924.

Iodust

Particular description of goods.—Materials Containing Iodine—That is to Say, a Composition Containing Iodide of Potassium, Potassium Iodate, a Dehydrated Crystalline Aluminum Sulphate, and Potassium Carbonate.

Claims use since Sept. 14, 1923.

Ser. No. 203,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) U. S. INDUSTRIAL CHEMICAL Co., Baltimore, Md. Filed Oct. 16, 1924.

IODUST

Particular description of goods.—Materials Containing Iodine—That is to say, a Composition Containing Iodide of Potassium, Potassium Iodate, a Dehydrated Crystalline Aluminum Sulphate, and Potassium Carbonate.

Claims use since Sept. 13, 1924.

Ser. No. 203,992. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ADAM WIENAND, JR., doing business as Sanitary Products Company, Pittsburgh, Pa. Filed Oct. 16, 1924.

"LOOK-OUT"

Particular description of goods.—Cleaning Compound for Cleaning Windows, Sinks, Bathtubs, Windshields, Woodwork, Etc.

Claims use since Oct. 1, 1924.

Ser. No. 204,020. (CLASS 39. CLOTHING.) FILMAX DRESS CO., INC., New York, N. Y. Filed Oct. 17, 1924.



WELLESLEY

Particular description of goods.—Dresses for Women, Misses, and Children.

Claims use since Sept. 19, 1924.

Ser. No. 204,048. (CLASS 39. CLOTHING.) PLAUT JR. WEAR COMPANY, Cincinnati, Ohio. Filed Oct. 17, 1924.



No claim is made to the words "Wear, Coats & Suits" except in the form and association as shown in the drawing.

Particular description of goods.—Clothing Consisting of Boys', Young Men's, Men's, Girls', Young Ladies', and Ladies' Pants, Trousers, Vests, Coats, Overcoats, Raincoats, Riding Suits, Cloaks, Capes; Shirts for Dress, Negligee, or Work; Also Silk, Woven, or Knit Undergarments.

Claims use since Oct. 1, 1924.

Ser. No. 204,075. (CLASS 39. CLOTHING.) RICHARD MUNSEY WATKINS, doing business as Watkins Hosiery Mills, Chattanooga, Tenn. Filed Oct. 17, 1924.



The words "Silk Hosiery for Discriminating Women" do not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Ladies' Hosiery.

Claims use since Mar. 5, 1924.

Ser. No. 204,090. (CLASS 38. PRINTS AND PUBLICATIONS.) PERCY L. CROSBY, New York, N. Y. Filed Oct. 18, 1924.

Skippy

Particular description of goods.—Title for Cartoons Depicting a Humorous Juvenile Character.

Claims use since Mar. 15, 1923.

Ser. No. 204,104. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & CO., INC., Philadelphia, Pa. Filed Oct. 18, 1924.

POLAR



WHITE

Particular description of goods.—Paste Paint.

Claims use since Nov. 20, 1903.

Ser. No. 204,110. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE NUWAY MFG. CO., Long Island City, N. Y. Filed Oct. 18, 1924.

"NUWAY"

Particular description of goods.—Floor and Automobile Polish.

Claims use since Oct. 6, 1924.

Ser. No. 204,126. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GEORGE ERNEST STUDDY, London, England. Filed Oct. 18, 1924.

BONZO

Particular description of goods.—Jewelry, Particularly Brooches, Buttons, Stick Pins, and Badges Made of or Plated with Precious Metals.

Claims use since Nov. 2, 1923.

Ser. No. 204,145. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

RIALTO

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since July, 1924.

Ser. No. 204,146. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

MILADY

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since September, 1924.

Ser. No. 204,147. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

MAYFAIR

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since June, 1924.

Ser. No. 204,148. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

CAPRICE

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since June, 1924.

Ser. No. 204,149. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

WAVO

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since June, 1924.

Ser. No. 204,150. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

IRIS

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since September, 1924.

Ser. No. 204,151. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Oct. 20, 1924.

PANDORA

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.

Claims use since July, 1924.

Ser. No. 204,156. (CLASS 39. CLOTHING.) CARLISLE SHOE COMPANY, Carlisle, Pa. Filed Oct. 20, 1924.



Particular description of goods.—Boots and Shoes Made of Leather or Leather and Cloth.

Claims use since Aug. 21, 1924.

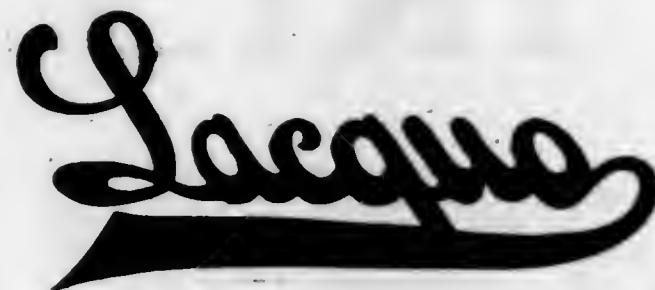
Ser. No. 204,167. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) H & H CHEMICAL COMPANY, Chicago, Ill. Filed Oct. 20, 1924.



Applicant disclaims the word "Chicago" apart from the mark as shown.

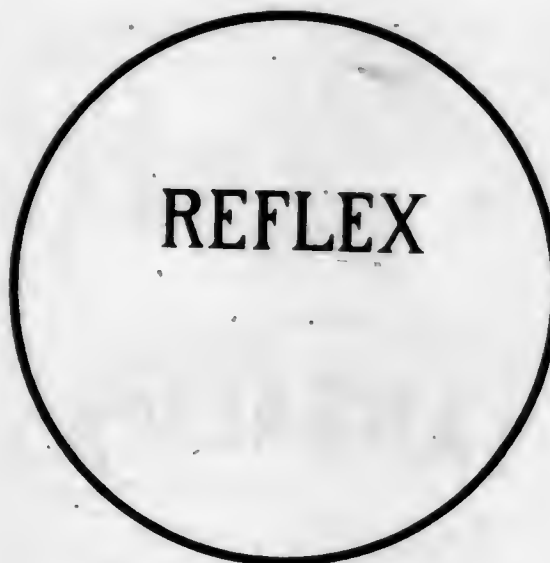
Particular description of goods.—Furniture Polish.
Claims use since Sept. 2, 1924.

Ser. No. 204,190. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PLACQUO ART COMPANY, Coffeyville, Kans. Filed Oct. 20, 1924.



Particular description of goods.—Bronzing Liquid.
Claims use since Sept. 12, 1924.

Ser. No. 204,209. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TINGEE, BROWN & CO., New York, N. Y. Filed Oct. 20, 1924.



Particular description of goods.—Padding for Ironing Rolls.
Claims use since Oct. 11, 1924.

Ser. No. 204,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS H. WILKINS, Portsmouth, Va. Filed Oct. 20, 1924.



No claim is made to the word "Remedy" apart from the mark shown.

Particular description of goods.—Powders for the Treatment of Headaches, Neuralgia, Toothache, Colds, La Grippe, and Other Kindred Ills.
Claims use since January, 1913.

Ser. No. 204,227. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DIF CORPORATION, Brooklyn, N. Y. Filed Oct. 21, 1924.

DIF

Trade-mark consists of the word "Dif."
Particular description of goods.—Chemical Compound to be Used in Association with Water for Cleaning Glassware, Silverware, Porcelain Surfaces, or Painted Floor Surfaces and for Laundry Work.
Claims use since Sept. 22, 1924.

Ser. No. 204,235. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. G. KNOLL & CO., INC., New York, N. Y. Filed Oct. 21, 1924.

Try-BROMO

Particular description of goods.—Tablets for Nervousness and Headaches.
Claims use since Sept. 1, 1924.

Ser. No. 204,246. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PEN-I-SAUKEN SILK MILL, Maple Shade, N. J., and New York, N. Y. Filed Oct. 21, 1924.



No claim is made to the exclusive use of the expression "Crepe Janus" except in association with the other features of the mark, all common-law rights being expressly reserved.

Particular description of goods.—Crêpe-Backed Satins in the Piece.
Claims use since June 30, 1924.

Ser. No. 204,281. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SCRANTON GLASS INSTRUMENT COMPANY, Scranton, Pa. Filed Oct. 22, 1924.

Ayanbee

Trade-mark consists of the word "Ayanbee."
Particular description of goods.—Syringe Hydrometers.
Claims use since Oct. 15, 1924.

Ser. No. 204,293. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 22, 1924.

CORONA

Trade-mark consists of the word "Corona."
Particular description of goods.—Artificial Teeth.
Claims use since about January, 1923.

Ser. No. 204,309. (CLASS 39. CLOTHING.) DEGEN-LIPP, INC., Brooklyn, N. Y. Filed Oct. 23, 1924.



Particular description of goods.—Shoes of Leather and Canvas or Combinations of Both Materials.
Claims use since about January, 1924.

Ser. No. 204,313. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES GENTILE, doing business as Varkena Easy Wash Company, Bellaire, Ohio. Filed Oct. 23, 1924.



The lining on the drawing is merely for the purpose of shading.

Particular description of goods.—Clothes-Washing Fluid.
Claims use since May 1, 1924.

Ser. No. 204,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LISTERATED GUM CORPORATION, New York, N. Y. Filed Oct. 23, 1924.

ORBIT

Particular description of goods.—Candy and Chewing Gum.
Claims use since Aug. 7, 1923.

Ser. No. 204,329. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REMESIN PRODUCTS CO., New York, N. Y. Filed Oct. 23, 1924.

REMESIN

Particular description of goods.—Preparation for the Treatment of Canine Distemper, Tonic, Emulsion for Worms in Dogs, Emulsion for Scabies and Eczema, and Dog Shampoo for Fleas and Other Vermin.
Claims use since July 20, 1924.

Ser. No. 204,330. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REMESIN PRODUCTS CO., New York, N. Y. Filed Oct. 23, 1924.



The words "Trade-mark" and "Products" form no part of the trade-mark itself.

Particular description of goods.—Preparation for the Treatment of Canine Distemper, Tonic, Emulsion for Worms in Dogs, Emulsion for Scabies and Eczema, and Dog Shampoo for Fleas and Other Vermin.
Claims use since July 20, 1924.

Ser. No. 204,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. & O., New York, N. Y. Filed Oct. 23, 1924.

WINTER GARDEN

Particular description of goods.—Face Cream, Liquid Toilet Powder, Compact Powders, and Rouges.
Claims use since July 1, 1923.

Ser. No. 204,340. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WOMAN'S HYGIENIC INSTITUTE, INC., New York, N. Y. Filed Oct. 23, 1924.

HYGEX

Particular description of goods.—Fountain Syringes.
Claims use since July 1, 1924.

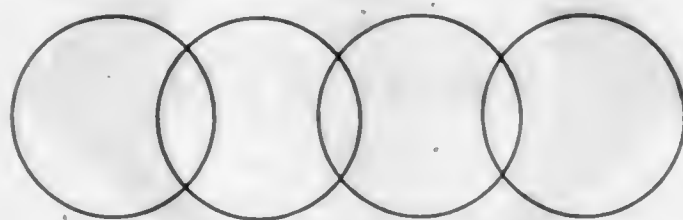
Ser. No. 204,341. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOMAN'S HYGIENIC INSTITUTE, INC., New York, N. Y. Filed Oct. 23, 1924.

Vagiene

Particular description of goods.—Antiseptic Powder and Combination Treatment of Suppositories and Astringent Medication for Disorders of the Female Genital Organs.

Claims use since July 1, 1924.

Ser. No. 204,370. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE OHIO HAMMERED PISTON RING COMPANY, Cleveland, Ohio. Filed Oct. 24, 1924.



Trade-mark consists of a plurality of circles in intersecting relation.

Particular description of goods.—Piston Rings.
Claims use since July, 1924.

Ser. No. 204,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTSHULER BROTHERS & COMPANY, Youngstown, Ohio. Filed Oct. 23, 1924.

Alphero

Particular description of goods.—Vinegar, Pickles, Sauerkraut Packed in Cans and in Wood Barrels and Half Barrels, Catchup, Mustard, Jelly, Fruit Preserves, Apple Butter, Olives, Canned Tomatoes, Mayonnaise, Salad Oil, and Chili Sauce.

Claims use since Aug. 1, 1912.

Ser. No. 204,387. (CLASS 43. THREAD AND YARN.) AMAZON COTTON MILLS, Thomasville, N. C. Filed Oct. 25, 1924.



The address "Thomasville, N. C." does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Knitting Yarns.
Claims use since 1912.

Ser. No. 204,413. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KIMBALL BROTHERS & COMPANY, INC., Enosburg Falls, Vt. Filed Oct. 25, 1924.

ZALVA

Particular description of goods.—Rubbing Compound and Vaporizing Treatment for the Relief of Colds, Pains, Congestion, and Inflammation.

Claims use since Feb. 18, 1924.

Ser. No. 204,414. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KIMBALL BROTHERS & COMPANY, INC., Enosburg Falls, Vt. Filed Oct. 25, 1924.



The representation of the man's head is fanciful.
Particular description of goods.—Hair Dressing and Combing Preparation.
Claims use since Dec. 1, 1923.

Ser. No. 204,431. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Oct. 27, 1924.

ALIDA

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 31, 1924.

Ser. No. 204,436. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THOMAS BEHAN, Allquippa, Pa. Filed Oct. 27, 1924.

KAS-L-KEE

Particular description of goods.—Urine Conductor.
Claims use since Oct. 14, 1924.

Ser. No. 204,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED FEAR & CO., Brooklyn, N. Y. Filed Oct. 27, 1924.

Admiration

Particular description of goods.—Dyestuffs.
Claims use since Oct. 16, 1924.

Ser. No. 204,470. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW METROPOLITAN FICTION, INC., New York, N. Y. Filed Oct. 27, 1924.

MODERN MARRIAGE

Particular description of goods.—Monthly Magazine.
Claims use since Oct. 22, 1924.

Ser. No. 204,472. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL J. RAFFY, doing business as Raffy, New York, N. Y. Filed Oct. 27, 1924.

PARFUM X

No claim is made to the word "Parfum" except in conjunction with the other elements of the trade-mark.

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishers, Deodorizing Preparations, and Sachet Powders.
Claims use since Oct. 14, 1924.

Ser. No. 204,475. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Illion and New York, N. Y. Filed Oct. 27, 1924.

HANDICAP

Particular description of goods.—Ammunition.
Claims use since Oct. 3, 1924.

Ser. No. 204,477. (CLASS 39. CLOTHING.) SAMPECK CLOTHES INC., New York, N. Y. Filed Oct. 27, 1924. Under ten-year proviso.

THE STANDARD OF AMERICA

Trade-mark "The Standard of America."
Particular description of goods.—Men's and Boys' Suits and Overcoats, Trousers, Vests, and Coats.
Claims use since about Oct. 1, 1894.

Ser. No. 204,491. (CLASS 5. ADHESIVES.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Oct. 28, 1924.

"OLD FAITHFUL"



Particular description of goods.—Adhesive Paste.
Claims use since 1914.

Ser. No. 204,511. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHNSON & JOHNSON, New Brunswick, N. J. Filed Oct. 28, 1924.

ORTHOPLAST

Particular description of goods.—Bandages for Orthopedic Use.
Claims use since September, 1924.

Ser. No. 204,520. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PIGOT, SAYRE COMPANY, New York, N. Y. Filed Oct. 28, 1924.

BLENDCOL

Particular description of goods.—Oil to be Used in Pigments for Painting Purposes.
Claims use since Oct. 20, 1924.

Ser. No. 204,557. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ION RADIO CORPORATION, New York, N. Y. Filed Oct. 29, 1924.



No claim is made to the words "Trade-Mark" and "Unit" nor to the representation of the goods apart from the mark shown on the drawing.

Particular description of goods.—Radio Receiving Sets and Parts—Namely, Condensers, Variometers, Transformers, Head Phones, and Switches.

Claims use since June, 1924.

Ser. No. 204,559. (CLASS 17. TOBACCO PRODUCTS.) MARCOVITCH & CO., LIMITED, London, England. Filed Oct. 29, 1924.



No claim is made to the exclusive use of the word "Cigarette" apart from the mark shown on the drawing.

Particular description of goods.—Cigarettes.

Claims use since March, 1913.

Ser. No. 204,564. (CLASS 39. CLOTHING.) PATRICK J. MONAGHAN, doing business as P. J. Monaghan & Co., Baltimore, Md. Filed Oct. 29, 1924.

ARCH-SAFETY

Particular description of goods.—Shoes Made of Rubber, Leather, Fabric, or any Combination of the Same.

Claims use since Sept. 15, 1924.

Ser. No. 204,570. (CLASS 15. OILS AND GREASES.) RIVERSIDE CHEMICAL COMPANY INC., North Tonawanda, N. Y. Filed Oct. 29, 1924.

SLIP EASY

Particular description of goods.—Lubricating Oils and Greases.

Claims use since about January, 1906.

Ser. No. 204,576. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Oct. 29, 1924.



The trade-mark includes the silhouette of a fanciful group of minarets.

Particular description of goods.—Stucco and Wall Plaster.

Claims use since January, 1912.

Ser. No. 204,580. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) APCO MANUFACTURING COMPANY, Providence, R. I. Filed Oct. 30, 1924.

RECTODYNE

Trade-mark consists of the word "Rectodyne."

Particular description of goods.—Current Rectifiers.

Claims use since Oct. 14, 1924.

Ser. No. 204,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. W. BURCH, Plant City, Fla. Filed Oct. 30, 1924.

GULF COAST

Particular description of goods.—Fresh Tomatoes.

Claims use since May 3, 1924.

Ser. No. 204,592. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAZEL TIETJEN FORBIS, doing business as Baby Nose-Gay House, Missoula, Mont. Filed Oct. 30, 1924.

BABY NOSE-GAY

Particular description of goods.—Nose Swabs.

Claims use since about Oct. 1, 1924.

Ser. No. 204,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SYLVESTER W. LEIDICH, doing business as Llewellyn's Drug Store, Philadelphia, Pa. Filed Oct. 30, 1924.

HYPOSOL

Particular description of goods.—Antiseptic and Hypotonic Solutions.

Claims use since spring of 1922.

Ser. No. 204,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LOTUS CHOCOLATE CREAM CO., Chicago, Ill. Filed Oct. 30, 1924.



Particular description of goods.—Candy.

Claims use since Aug. 1, 1924.

Ser. No. 204,625. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN ALVIN O'DONNELL, Dennison, Ohio. Filed Oct. 30, 1924.

BRI-TILE

Particular description of goods.—Building Tile.

Claims use since May 10, 1924.

Ser. No. 204,629. (CLASS 15. OILS AND GREASES.) G. WHITFIELD RICHARDS, Philadelphia, Pa. Filed Oct. 30, 1924.

FRIGIDOL

Particular description of goods.—Cutting Oils and Motor Oils.

Claims use since about March, 1918.

Ser. No. 204,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ ANONYME LES DENTIFRICES DU DOCTEUR PIERRE, Nanterre, France. Filed Oct. 30, 1924.

FORVIL

Particular description of goods.—Perfumes, Toilet Water, Eau de Cologne, Face Powder, Talcum Powder, Compacts, Lotion for the Skin, Face Cream, Rouges, and Dentifrices.

Claims use since Dec. 15, 1923.

Ser. No. 204,642. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. A. VAUGHAN COMPANY, St. Paul, Minn. Filed Oct. 30, 1924.



Particular description of goods.—Hand Lotion.

Claims use since on or about May, 1924.

Ser. No. 204,647. (CLASS 20. BROOMS, BRUSHES, AND DUSTERS.) ART IVORY MANUFACTURING CO. INC., New York, N. Y. Filed Oct. 31, 1924.

LADY BETTY

Particular description of goods.—Hairbrushes, Clothes Brushes, and Toothbrushes.

Claims use since Mar. 1, 1920.

Ser. No. 204,649. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN COMPANY, INC., doing business as McGinnis Cotton Mills, New Orleans, La. Filed Oct. 31, 1924.

INDEPENDENCE

Particular description of goods.—Cotton Piece Goods—Namely, Denims.

Claims use since on or about Apr. 1, 1924.

Ser. No. 204,656. (CLASS 39. CLOTHING.) CAMBRIDGE RUBBER COMPANY, Cambridge, Mass. Filed Oct. 31, 1924.

OILTEX

Particular description of goods.—Clothing—Namely, Coats, Hats, and Jackets.

Claims use since on or about June 15, 1924.

Ser. No. 205,001. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE EASTERBROOK COAL COMPANY, Cleveland, Ohio. Filed Nov. 8, 1924.

ECCO

Particular description of goods.—Coal.
Claims use since about May 3, 1924.

Ser. No. 205,010. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE HOUSE OF A. BLATT INC., New York, N. Y. Filed Nov. 8, 1924.

SPUN CRYSTAL

Particular description of goods.—Imitation-Hair Goods.
Claims use since about Oct. 1, 1924.

Ser. No. 205,023. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL ICE CREAM COMPANY, Louisville, Ky. Filed Nov. 8, 1924.



"NIC"

Particular description of goods.—Ice Cream.
Claims use since Sept. 26, 1924.

Ser. No. 205,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENCOE & ENCOE MENTHOL COMPANY, Kansas City, Mo. Filed Nov. 10, 1924.

En. & En.

Particular description of goods.—External Remedy to Relieve Catarrh or Cold in Head, Throat, or Lungs, Chapped Hands, Insect Bites, or Sunburn, Cuts, and Bruises.

Claims use since Oct. 29, 1924.

Ser. No. 205,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYNSON, WESTCOTT & DUNNING, Baltimore, Md. Filed Nov. 10, 1924.

MERCUROCHROME

Particular description of goods.—Antiseptics, Germicides, and Bactericides.

Claims use since about November, 1919.

Ser. No. 205,100. (CLASS 12. CONSTRUCTION MATERIALS.) ASBESTOS LIMITED, INC., New York, N. Y. Filed Nov. 11, 1924.

PAX

Particular description of goods.—Plaster.
Claims use since Oct. 2, 1924.

Ser. No. 205,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUTTS MFG. CO., Philadelphia, Pa. Filed Nov. 11, 1924.



Particular description of goods.—Deodorant Mouth Wash.

Claims use since July 31, 1924.

Ser. No. 205,110. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RENE CHAUEAU, Paris, France. Filed Nov. 11, 1924.

**LA
Caféolette**

Particular description of goods.—Coffeepots.
Claims use since January, 1911.

Ser. No. 205,158. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EASTERN MANUFACTURING COMPANY, South Brewer, Me. Filed Nov. 12, 1924.

ALFACEL

Particular description of goods.—Cellulose.
Claims use since Nov. 5, 1924.

Ser. No. 205,169. (CLASS 17. TOBACCO PRODUCTS.) MACLIN-ZIMMER-MCGILL TOBACCO CO. INCORPORATED, Petersburg, Va. Filed Nov. 12, 1924.

TRIUMPH

Particular description of goods.—Smoking and Chewing Tobacco and Snuff.
Claims use since 1883.

Ser. No. 205,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZALOOM BROTHERS COMPANY, INC., New York, N. Y. Filed Nov. 12, 1924.



Particular description of goods.—Nut Foods, Especially Roasted Pistachio Nuts.
Claims use since about Sept. 26, 1924.

Ser. No. 205,194. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CHEMICAL COMPANY OF AMERICA, INC., New York, N. Y. Filed Nov. 13, 1924.

CHEMCO

Trade-mark consists of the word "Chemco."
Particular description of goods.—Dyestuffs.
Claims use since March, 1919.

Ser. No. 205,197. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed Nov. 13, 1924.

LIN-TEX

Particular description of goods.—Oiled Cloth.
Claims use since Nov. 1, 1924.

Ser. No. 205,198. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed Nov. 13, 1924.

TABLE-TEX

Particular description of goods.—Oiled Cloth.
Claims use since Nov. 1, 1924.

Ser. No. 205,199. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed Nov. 13, 1924.

SHELF-TEX

Particular description of goods.—Oiled Cloth.
Claims use since Nov. 1, 1924.

Ser. No. 205,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Nov. 13, 1924.

Loveticious

Trade-mark consists of the word "Loveticious."
Particular description of goods.—Candy.
Claims use since September, 1924.

Ser. No. 205,217. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL PAVEMENTS CORPORATION, New York, N. Y. Filed Nov. 13, 1924.



Particular description of goods.—Laid Pavements and Paving Blocks.
Claims use since about 1923 on laid pavements and since October, 1924, on paving blocks.

Ser. No. 205,232. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. C. SAMPSON, Wenatchee, Wash. Filed Nov. 13, 1924.

SAMPSON



Particular description of goods.—Fresh Apples.
Claims use since July 21, 1924.

Ser. No. 205,260. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE ANSONIA O & C COMPANY, Ansonia, Conn. Filed Nov. 14, 1924.

ANCO

Particular description of goods.—Shoe Lacings.
Claims use since Nov. 3, 1924.

Ser. No. 205,270. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FLOX CO., Minneapolis, Minn. Filed Nov. 14, 1924.

FLOX

Particular description of goods.—Boiler-Cleaning Compounds and Water Softeners.
Claims use since on or about Nov. 5, 1923.

Ser. No. 205,296. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) OTTO REICHEL, Berlin, Germany. Filed Nov. 14, 1924.

Licht Herz
Light Heart
Coeur Lumière
Luz y Corazon
Lume e Cuore



Particular description of goods.—Juice, Sirup of Fruits, Essences for Preparing Nonalcoholic Beverages.
Claims use since July 17, 1924.

Ser. No. 205,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. DI FIORE CANNING CO., San Jose, Calif. Filed Nov. 15, 1924.

DOMINETTA

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Sept. 1, 1913.

Ser. No. 205,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREENWOOD & COMPANY, San Francisco, Calif. Filed Nov. 15, 1924.

BLOOMVALE

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, and Fresh Deciduous Fruits.
Claims use since Apr. 1, 1924.

Ser. No. 205,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYNSON, WESTCOTT & DUNNING, Baltimore, Md. Filed Nov. 15, 1924.

MERCUROCHROME-220

Particular description of goods.—Antiseptics, Germicides, and Bactericides.
Claims use since about November, 1919.

Ser. No. 205,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK G. SHATTUCK COMPANY, doing business as The Schrafft's Stores and Schrafft's, New York, N. Y. Filed Nov. 15, 1924.

Floragold

Particular description of goods.—Candy.
Claims use since Oct. 27, 1924.

Ser. No. 205,387. (CLASS 17. TOBACCO PRODUCTS.) VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis. Filed Nov. 17, 1924.



Particular description of goods.—Tobacco Products.—Namely, Cigars, Smoking Tobacco, Chewing Tobacco, and Cigarettes.
Claims use since Aug. 2, 1924.

Ser. No. 205,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HALL VAN GORDER COMPANY, Cleveland, Ohio. Filed Nov. 17, 1924.

Kogene

Particular description of goods.—Tooth Paste.
Claims use since June, 1914.

Ser. No. 205,461. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ZIMMERMAN COAL COMPANY, Terre Haute, Ind. Filed Nov. 17, 1924.

BLACK BETTY

Particular description of goods.—Coal.
Claims use since 1917.

Ser. No. 205,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOOT'S PURE DRUG CO., LIMITED, Nottingham, England. Filed Nov. 18, 1924.

BISMOSTAB

Particular description of goods.—Medicinal Preparation of Bismuth.
Claims use since Apr. 17, 1924.

Ser. No. 205,479. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed Nov. 18, 1924.

PAR-X-8

No claim is made to the word "Par" except in the association shown with the letters "X-8".
Particular description of goods.—Golf Balls.
Claims use since Apr. 8, 1922.

Ser. No. 205,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. P. FULLER & CO., San Francisco, Calif. Filed Nov. 19, 1924.

CARBACIDE

Particular description of goods.—Wood Preservatives.
Claims use since July 25, 1924.

329 O. G.—68

Ser. No. 205,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Filed Nov. 19, 1924. Under ten-year proviso.

LITHIATED HYDRANGEA

Particular description of goods.—Medicinal Compound for Use in Vesical Irritation and Diseases of the Bladder and Kidneys, Particularly in Conditions Indicating an Excess of Uric Acid and Urates.
Claims use since about May 1, 1881.

Ser. No. 205,538. (CLASS 17. TOBACCO PRODUCTS.) LINCOLN & ULMER, New York, N. Y. Filed Nov. 19, 1924.



Particular description of goods.—Cigars, Cigarettes, and Smoking Tobacco.
Claims use since Oct. 15, 1924.

Ser. No. 205,551. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ROBESONIA IRON COMPANY, Philadelphia, Pa. Filed Nov. 19, 1924.

ROBESONIA.

Particular description of goods.—Pig Iron.
Claims use since Apr. 1, 1885.

Ser. No. 205,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VI-VOLA LABORATORIES, doing business as The Sharo Co., New York, N. Y. Filed Nov. 19, 1924.

SHARO

Particular description of goods.—Depilatories.
Claims use since beginning of November, 1924.

Ser. No. 205,579. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONARD W. BACON, Jr., doing business as Delmo Laboratories, New York, N. Y. Filed Nov. 20, 1924.

DELMO

Particular description of goods.—Antiseptic Powder. Claims use since Sept. 8, 1924.

Ser. No. 205,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETTER HEALTH COMPANY, San Bernardino, Calif. Filed Nov. 20, 1924.

TRUSCOTT'S



Particular description of goods.—Antiseptic. Claims use since July 7, 1923.

Ser. No. 205,601. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE HUNGARIAN RUBBER GOODS FACTORY LIMITED, Budapest, Hungary. Filed Nov. 20, 1924.

TAURUS

Particular description of goods.—Tennis Balls. Claims use since Nov. 6, 1913.

Ser. No. 205,609. (CLASS 10. FERTILIZERS.) MCCALLUM COMPANY, INC., Pittsburgh, Pa. Filed Nov. 20, 1924.

FERTOBA

Particular description of goods.—Fertilizer. Claims use since Oct. 1, 1924.

Ser. No. 205,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERSTATE CHEMICAL CO., Jersey City, N. J. Filed Nov. 21, 1924.

ANSECT

Particular description of goods.—Insecticides. Claims use since Nov. 12, 1924.

Ser. No. 205,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE O'PAL MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 21, 1924.



Particular description of goods.—Toilet Creams, Toilet Powders, Perfumes, Vanishing Cream, Renovating Cream, Talcum Powder, Rouge, Eyebrow Pencil, Salve for Relief of Tetter and Eczema, and Hair Preparations—Namely, Dressing Cream, Hair Grower and Restorer, Hair Grower, Shampoo, Hair Tonic, Hair-Smoothing Oil, Hairdressing, and Temple Grower.

Claims use since Jan. 1, 1920.

Ser. No. 205,686. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Nov. 22, 1924.

JOLI SOIR

Particular description of goods.—Perfume, Toilet Water, Vegetal, Eau de Cologne, Sachet, Dusting Powder, Talcum Powder, Face Powder, Compacts, Brilliantine, Bath Salts, and Cold Cream.

Claims use since Oct. 1, 1924.

Ser. No. 205,707. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATTON BROS. DRUG CO., Catlettsburg, Ky. Filed Nov. 22, 1924.

Ma-Le-Ta

Particular description of goods.—Antiseptic and Deodorant. Claims use since Nov. 4, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

DECEMBER 30, 1924.

193,369. SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. CONVERSE RUBBER SHOE CO., Malden, Mass.

Filed August 7, 1924. Serial No. 201,078. PUBLISHED OCTOBER 21, 1924.

193,370. RUBBER SHOES. CONVERSE RUBBER SHOE CO., Malden, Mass.

Filed August 7, 1924. Serial No. 201,077. PUBLISHED OCTOBER 21, 1924.

193,371. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. THE PEOPLE'S SHOE STORES CO., St. Louis, Mo.

Filed August 5, 1924. Serial No. 201,011. PUBLISHED OCTOBER 14, 1924.

193,372. KNITTED SILK FABRICS OF SILK AND ARTIFICIAL SILK. LANG KNITTING MILLS, INC., New York, N. Y.

Filed August 5, 1924. Serial No. 200,997. PUBLISHED OCTOBER 21, 1924.

193,373. MEN'S HOSE. CONSOLIDATED GLOVE & HOSIERY CORPORATION, San Francisco, Calif.

Filed August 5, 1924. Serial No. 200,984. PUBLISHED OCTOBER 14, 1924.

193,374. TEXTILE RUGS. JAMES C. LANPHEAR, doing business as Northwest Rug Company, Portland, Ore.

Filed August 4, 1924. Serial No. 200,949. PUBLISHED OCTOBER 21, 1924.

193,375. LADIES' HOSIERY. WEINERTH KNITTING & MACHINE CO., INC., Reading, Pa.

Filed August 2, 1924. Serial No. 200,916. PUBLISHED OCTOBER 14, 1924.

193,376. WOOLEN PIECE GOODS. STRONG, HEWAT & CO. INC., New York, N. Y.

Filed August 2, 1924. Serial No. 200,909. PUBLISHED OCTOBER 21, 1924.

193,377. ARTICLES MADE WHOLLY OR IN PART OF PAPER—VIZ. BUILDING PAPER, ROOFING PAPER, SHINGLES, CORRUGATED FIBER BOARD (BUILDING MATERIAL). FISHER BROS. PAPER COMPANY, Fort Wayne, Ind.

Filed August 2, 1924. Serial No. 200,874. PUBLISHED OCTOBER 14, 1924.

193,378. COTTON PIECE GOODS. KUMMER, UPMANN & CO., New York, N. Y.

Filed August 1, 1924. Serial No. 200,820. PUBLISHED OCTOBER 21, 1924.

193,379. MEN'S ATHLETIC UNDERWEAR. R. H. MACY & CO., INC., New York, N. Y.

Filed July 30, 1924. Serial No. 200,723. PUBLISHED OCTOBER 14, 1924.

193,380. LADIES' AND MISSES' HATS. SAMUEL D. LASDON & CO., New York, N. Y.

Filed July 30, 1924. Serial No. 200,721. PUBLISHED OCTOBER 7, 1924.

193,381. ANALGESICS, ANÆSTHETICS, ANODYNES, ANTIARTHRITIC, ANTIEPILEPTICS, ANTIFERMENTATIVES (MEDICAL), ANTIGONORRHOICIS, ANTIHEMORRHOIDALS, ANTINEURALGICS, ANTIPERIODICS, ANTIPHLOGISTICS, ANTIPYRETICS, ANTIRHEUMATICS, ANTISEPTICS, ANTISPASMODICS, CARDIAC SEDATIVES, CARMINATIVES, CHOLAGOGUES, DEODORANTS, DIAGNOSTICS, DISINFECTANTS, DIURETICS, ESCHAROTICS, EXPECTORANTS, HYPNOTICS, INTESTINAL ANTISEPTICS, MYDRIATICS, NERVINES, NEUROTONICS, SEDATIVES, Soporifics, URINARY ANTISEPTICS. SCHERING & GLATZ, Inc., New York, N. Y.

Filed July 25, 1924. Serial No. 200,522. PUBLISHED OCTOBER 7, 1924.

193,382. BOILER-CLEANING AND SCALE-REMOVING COMPOUNDS. THE ELLICOTTVILLE SCALE REMOVING CORPORATION, Ellicottville, N. Y.

Filed July 24, 1924. Serial No. 200,437. PUBLISHED SEPTEMBER 30, 1924.

193,383. CITRATE-MAGNESIA SOLUTIONS. KLEIN-SCHMIDT MAGNESIA CO., New York, N. Y.

Filed July 19, 1924. Serial No. 200,266. PUBLISHED SEPTEMBER 30, 1924.

193,384. SALVE FOR CUTS, WOUNDS, BOILS, INGROWN HAIRS AND NAILS, CARBUNCLES, PIMPLES, AND THE LIKE. WILLIAM F. BAIER, doing business as William F. Baier Manufacturing Company, St. Paul, Minn.

Filed July 19, 1924. Serial No. 200,238. PUBLISHED SEPTEMBER 30, 1924.

193,385. AUTOMOBILE BUMPERS AND PARTS THEREOF. BIFLEX PRODUCTS COMPANY, North Chicago, Ill.

Filed July 17, 1924. Serial No. 200,131. PUBLISHED OCTOBER 14, 1924.

193,386. INSECTICIDE AND RODENT EXTERMINATOR FOR AGRICULTURAL AND HORTICULTURAL APPLICATION. AMERICAN CYANAMID COMPANY, New York, N. Y.

Filed July 9, 1924. Serial No. 199,768. PUBLISHED OCTOBER 14, 1924.

193,387. LIQUID TONIC MEDICINE USED AS A BLOOD TONIC OR SYSTEM PURIFIER, PARTICULARLY FOR THE TREATMENT OF STOMACH TROUBLES, ANÆMIA, AND NERVOUS DISEASES, AND PILLS FOR TREATMENT OF DYSPEPSIA, INDIGESTION, LIVER COMPLAINT, AND SIMILAR AILMENTS. CLARENCE E. WORTHEN, doing business as The Prunifone Laboratories, Malden, Mass.

Filed July 7, 1924. Serial No. 199,733. PUBLISHED OCTOBER 14, 1924.

193,388. FACE POWDER, TALCUM POWDER, BEAUTY CREAM, COLD CREAM, AND DENTAL CREAM. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.

Filed July 2, 1924. Serial No. 199,510. PUBLISHED OCTOBER 14, 1924.

193,389. BIFURCATED OUTER GARMENTS CONSISTING OF COAT AND TROUSERS IN ONE PIECE. MRS. OSCAR C. SLEDGE, Smithville, Tex.

Filed June 28, 1924. Serial No. 199,328. PUBLISHED OCTOBER 14, 1924.

193,390. CERTIFIED FOOD COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y.

Filed June 26, 1924. Serial No. 199,179. PUBLISHED OCTOBER 7, 1924.

193,391. PERFUMES, EAU DE COLOGNE, TOILET WATERS, BATH SALTS, FACE CREAM; FACE, TALCUM, AND BATH POWDERS, LOOSE AND IN COMPACT FORM; HAIR TONICS, MOUTH WASHES, ROUGES, AND PERFUMES FOR PERFUME BURNERS, TOOTH PASTES, AND TOOTH POWDERS. GUERLAIN PERFUMERY CORPORATION, Wilmington, Del.

Filed June 26, 1924. Serial No. 199,163. PUBLISHED SEPTEMBER 30, 1924.

193,392. POCKETKNIVES AND ATTACHMENTS THEREFOR. JAMES HUGH MCFADDEN, Mount Vernon, S. Dak.

Filed June 25, 1924. Serial No. 199,121. PUBLISHED OCTOBER 14, 1924.

- 193,393. EMULSIONS OF THERAPEUTIC BACILLI FOR USE IN THE INTESTINES TO CHECK PUTREFACTION. MORGENSTERN & COMPANY, New York, N. Y.
Filed June 24, 1924. Serial No. 199,077. PUBLISHED OCTOBER 14, 1924.
- 193,394. DRESSES, COATS, BRASSIÈRES, CORSETS, AND KNITTED AND TEXTILE FABRIC UNDERWEAR. ENID PROCKS, Inc., New York, N. Y.
Filed June 24, 1924. Serial No. 199,050. PUBLISHED OCTOBER 21, 1924.
- 193,395. WOOLEN BILLIARD-TABLE CLOTH. NORARD GROVER, Los Angeles, Calif.
Filed June 23, 1924. Serial No. 199,001. PUBLISHED OCTOBER 21, 1924.
- 193,396. FOUNTAIN PENS AND PENCILS AND COMBINATION FOUNTAIN PENS AND PENCILS. PEN-O-PENCIL COMPANY, New York, N. Y.
Filed February 7, 1923. Serial No. 175,678. PUBLISHED SEPTEMBER 2, 1924.
- 193,397. METALLIC PACKINGS FOR PISTON AND OTHER RODS. THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa.
Filed March 24, 1923. Serial No. 178,009. PUBLISHED AUGUST 28, 1923.
- 193,398. METALLIC PACKINGS FOR PISTON AND OTHER RODS. THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa.
Filed March 26, 1923. Serial No. 178,076. PUBLISHED AUGUST 28, 1923.
- 193,399. NUTS—NAMESLY, ROASTED AND ROASTED AND SALTED; SALADS—NAMESLY, MEAT, VEGETABLE, AND FRUIT SALADS; SANDWICHES—NAMESLY, CHEESE, FISH, MEAT, VEGETABLE, AND MEAT AND VEGETABLE SANDWICHES. REUBEN'S PURE FOOD SHOP, Inc., New York, N. Y.
Filed April 9, 1923. Serial No. 178,870. PUBLISHED OCTOBER 14, 1924.
- 193,400. MEN'S HATS. THE MIDDLE WEST HAT MFG. CO., Cleveland, Ohio.
Filed May 3, 1923. Serial No. 180,138. PUBLISHED OCTOBER 21, 1924.
- 193,401. APPARATUS TO CLEAR AIR OF SMOKE AND ODORS AND TO VAPORIZE PERFUME. ALLEN FORD JENNINGS, Chicago, Ill.
Filed May 16, 1923. Serial No. 180,703. PUBLISHED OCTOBER 7, 1924.
- 193,402. LINEN FIRE HOSE. WM. & CHAS. BECK, Inc., Lawrence, Mass.
Filed January 26, 1923. Serial No. 175,122. PUBLISHED OCTOBER 14, 1924.
- 193,403. LEATHER SOLES FOR SHOES FOR INFANTS AND CHILDREN. HAGERSTOWN SHOE & LEGGING CO. INC., Hagerstown, Md.
Filed February 24, 1923. Serial No. 176,544. PUBLISHED OCTOBER 21, 1924.
- 193,404. CLOCKS, CLOCKWORKS, AND PARTS THEREOF. VEREINIGTE FREIBURGER UHRENFABRIKEN A.-G. INCL. VORM. GUSTAV BECKER, Freiburg, Germany.
Filed May 5, 1923. Serial No. 180,253. PUBLISHED OCTOBER 9, 1923.
- 193,405. HAM, BACON, CORNED BEEF, BOILED HAM, CHIPPED BEEF, CALIFORNIA HAM, AND FRESH BEEF AND PORK. FISCHER MEAT CO., St. Louis, Mo.
Filed July 22, 1922. Serial No. 167,240. PUBLISHED JULY 29, 1924.
- 193,406. CEMENT FLOORS, NAILING BASE FOR CONCRETE, METALLIC FINISHED FLOORS, VARIOUS-COLORED FLOORS, MAGNESITE FLOORS, MASTIC FLOORS, CEMENT FLOORS, AND WALLS CONTAINING HYDROLITHIC OR OTHER WATER-PROOFING COMPOUNDS. CEMENT FINISH CO., Inc., New York, N. Y.
Filed August 31, 1922. Serial No. 168,916. PUBLISHED OCTOBER 7, 1924.

- 193,407. FOOD PRODUCT COMPRISING A BANANA SURROUNDED BY ICE CREAM AND RETAINED IN AN EDIBLE CASING. ARTHUR SAUNDERS, Sausalito, Calif.
Filed October 16, 1922. Serial No. 170,791. PUBLISHED OCTOBER 21, 1924.
- 193,408. MOTOR CARS. THE PEERLESS MOTOR CAR COMPANY, Cleveland, Ohio.
Filed January 11, 1923. Serial No. 174,483. PUBLISHED AUGUST 28, 1923.
- 193,409. PUMPS FOR AIR OR LIQUIDS. THE ROTARY MACHINE & ENGINEERING CO., Cleveland, Ohio.
Filed January 20, 1923. Serial No. 174,863. PUBLISHED OCTOBER 14, 1924.
- 193,410. DOGS. GERALDENE ROCKEFELLER DODGE, doing business as Geraldine Farms, Madison, N. J.
Filed July 21, 1924. Serial No. 200,312. PUBLISHED OCTOBER 7, 1924.
- 193,411. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. HAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed July 19, 1924. Serial No. 200,240. PUBLISHED OCTOBER 14, 1924.
- 193,412. ARTIFICIAL HEATS FOR DISPLAY PURPOSES. FEDELE LO GATTO, Brooklyn, N. Y.
Filed July 17, 1924. Serial No. 200,147. PUBLISHED OCTOBER 7, 1924.
- 193,413. MALT EXTRACTS AND MALT SIRUP FOR FOOD PURPOSES. SAMUEL KASSER, Philadelphia, Pa.
Filed July 7, 1924. Serial No. 199,704. PUBLISHED OCTOBER 14, 1924.
- 193,414. RUBBER TUBING. METROPOLITAN DEVICE CORPORATION, Brooklyn, N. Y.
Filed July 5, 1924. Serial No. 199,642. PUBLISHED OCTOBER 7, 1924.
- 193,415. BRASSIÈRES. SEAMLESS BRASSIERE CO. INC., New York, N. Y.
Filed July 2, 1924. Serial No. 199,497. PUBLISHED OCTOBER 21, 1924.
- 193,416. CANNED VEGETABLES, OLIVES, MUSTARD, PEANUT BUTTER, AND SAUERKRAUT. RELIABLE GROCERY COMPANY, Inc., Philadelphia, Pa.
Filed July 1, 1924. Serial No. 199,437. PUBLISHED OCTOBER 14, 1924.
- 193,417. LEATHER, COTTON, AND COTTON AND LEATHER WORK GLOVES. NATIONAL GLOVE COMPANY, Columbus, Ohio.
Filed July 1, 1924. Serial No. 199,433. PUBLISHED OCTOBER 21, 1924.
- 193,418. TOOL-GRINDING MACHINES. DAZEY CHURN & MANUFACTURING COMPANY, St. Louis, Mo.
Filed June 30, 1924. Serial No. 199,349. PUBLISHED OCTOBER 14, 1924.
- 193,419. READY-TO-WEAR CLOTHING—NAMESLY, LADIES' AND CHILDREN'S COATS, SUITS, SKIRTS, DRESSES, SHIRTS, BLOUSES, AND WAISTS. W. W. MOORE COMPANY, Sharon, Pa.
Filed June 27, 1924. Serial No. 199,238. PUBLISHED OCTOBER 21, 1924.
- 193,420. BEARING ALLOYS AND WHITE-METAL ALLOYS USED AS ANTIFRICTIONAL MEDIA. JACKSON-WHEELER METALS SERVICE, Brooklyn, N. Y.
Filed July 30, 1924. Serial No. 200,719. PUBLISHED OCTOBER 14, 1924.
- 193,421. MONTHLY PUBLICATION. SHOWERS BROTHERS COMPANY, Bloomington and Indianapolis, Ind., and Burlington, Iowa.
Filed July 22, 1924. Serial No. 200,375. PUBLISHED SEPTEMBER 16, 1924.
- 193,422. WATERPROOF COTTON FABRICS IN THE PIECE. MID WEST SALES AND MANUFACTURING CO., Inc., Salt Lake City, Utah.
Filed July 22, 1924. Serial No. 200,367. PUBLISHED OCTOBER 7, 1924.

- 193,423. CORSETS, GIRDLES, AND HEALTH BELTS. HIP HOLD CORSET CORPORATION, New York, N. Y.
Filed August 5, 1924. Serial No. 200,989. PUBLISHED OCTOBER 21, 1924.
- 193,424. VEHICLE TIRE CASINGS AND TUBES. BLACKFOOT TIRE AND RUBBER COMPANY, Chicago, Ill.
Filed August 5, 1924. Serial No. 200,978. PUBLISHED OCTOBER 7, 1924.
- 193,425. MACARONI. A. BOLOGNA & COMPANY, New Orleans, La.
Filed August 1, 1924. Serial No. 200,806. PUBLISHED OCTOBER 14, 1924.
- 193,426. SANDWICH SPREAD CONSISTING OF MAYONNAISE, PEANUT BUTTER, CHOPPED VEGETABLES, AND CHOPPED NUTS. THE GELFAND MANUFACTURING CO., Baltimore, Md.
Filed July 31, 1924. Serial No. 200,759. PUBLISHED OCTOBER 14, 1924.
- 193,427. HATS FOR WOMEN. ABE N. ADELSON, New York, N. Y.
Filed July 31, 1924. Serial No. 200,741. PUBLISHED OCTOBER 21, 1924.
- 193,428. PLASTER. MACOUSTIC ENGINEERING COMPANY, Inc., Cleveland, Ohio.
Filed July 25, 1924. Serial No. 200,504. PUBLISHED OCTOBER 7, 1924.
- 193,429. WOMEN'S HATS. L. BARNBERGER & CO., Newark, N. J.
Filed August 11, 1924. Serial No. 201,218. PUBLISHED OCTOBER 7, 1924.
- 193,430. GAS STOVES AND RANGES. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed August 6, 1924. Serial No. 201,046. PUBLISHED OCTOBER 7, 1924.
- 193,431. WATERPROOF CLOTHING. ARCHER RUBBER COMPANY, Milford, Mass.
Filed August 18, 1924. Serial No. 201,526. PUBLISHED OCTOBER 14, 1924.
- 193,432. MERCURY-VAPOR ARC LAMPS AS SOURCES OF ULTRA-VIOLET AND OTHER LIGHT FOR MEDICAL AND SURGICAL USE. COOPER HEWITT ELECTRIC COMPANY, Hoboken, N. J.
Filed August 14, 1924. Serial No. 201,392. PUBLISHED OCTOBER 7, 1924.
- 193,433. RIBBONS MADE OF SILK, COTTON, ARTIFICIAL SILK, AND MIXTURES THEREOF. PLAIN, FANCY, AND EMBROIDERED. KALTENBACH & STEPHENS INC., New York, N. Y.
Filed August 13, 1924. Serial No. 201,348. PUBLISHED OCTOBER 28, 1924.
- 193,434. SAFETY RAZORS AND SAFETY-RAZOR BLADES. WESTERN SAFETY RAZOR COMPANY, Los Angeles, Calif.
Filed August 27, 1924. Serial No. 201,941. PUBLISHED OCTOBER 14, 1924.
- 193,435. EXTRACT OF MALT AND HOPS FOR FOOD PURPOSES. JOSEPH H. JUDITH, doing business as The J. H. Judith Co., Evansville, Ind.
Filed August 21, 1924. Serial No. 201,704. PUBLISHED OCTOBER 14, 1924.
- 193,436. CAN OPENERS. ARNOLD J. TANNER, doing business as O-T Manufacturing Company, New Haven, Conn.
Filed August 16, 1924. Serial No. 201,519. PUBLISHED OCTOBER 14, 1924.
- 193,437. CHLORINE-GAS INHALERS. U. S. CHLORIN-HALER COMPANY, Washington, D. C.
Filed Sept. 12, 1924. Serial No. 202,568. PUBLISHED OCTOBER 28, 1924.
- 193,438. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed September 8, 1924. Serial No. 202,315. PUBLISHED OCTOBER 21, 1924.

- 193,439. FRESH ARTICHOKE. J. L. DEBENEDETTI, San Francisco, Calif.
Filed August 12, 1924. Serial No. 201,287. PUBLISHED OCTOBER 21, 1924.
- 193,440. CANDY. J. G. McDONALD CHOCOLATE COMPANY, Salt Lake City, Utah.
Filed September 4, 1924. Serial No. 202,213. PUBLISHED OCTOBER 21, 1924.
- 193,441. DRESSES, COATS, SUITS, BLOUSES, SKIRTS, AND CAPES. LORD & TAYLOR, New York, N. Y.
Filed August 8, 1924. Serial No. 201,148. PUBLISHED OCTOBER 14, 1924.
- 193,442. LADIES' DRESSES. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo.
Filed August 9, 1924. Serial No. 201,200. PUBLISHED OCTOBER 14, 1924.
- 193,443. LADIES' HOSIERY. WEINERTH KNITTING & MACHINE CO., Inc., Reading, Pa.
Filed August 9, 1924. Serial No. 201,215. PUBLISHED OCTOBER 14, 1924.
- 193,444. MERCERIZED SATEN IN THE PIECE FOR LININGS AND UNDERWEAR. SMITH-McCORD-TOWNSEND DRY GOODS CO., Kansas City, Mo.
Filed August 11, 1924. Serial No. 201,267. PUBLISHED OCTOBER 21, 1924.
- 193,445. DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed August 12, 1924. Serial No. 201,304. PUBLISHED OCTOBER 14, 1924.
- 193,446. DRESS SHIRTS, NEGLIGEE SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed August 12, 1924. Serial No. 201,305. PUBLISHED OCTOBER 14, 1924.
- 193,447. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHES, OVERCOATS; TWO-PIECE SUITS—VIZ. COATS AND TROUSERS; THREE-PIECE SUITS—VIZ. COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. CHAS. DOUGLIS-MACK CO., Inc., doing business as The Silverstripe Co. Inc., New York, N. Y.
Filed August 13, 1924. Serial No. 201,334. PUBLISHED OCTOBER 14, 1924.
- 193,448. OVERCOATS; TWO-PIECE SUITS—VIZ. COATS AND TROUSERS; THREE-PIECE SUITS—VIZ. COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. CHAS. DOUGLIS-MACK CO., Inc., doing business as The Silverstripe Co. Inc., New York, N. Y.
Filed August 13, 1924. Serial No. 201,335. PUBLISHED OCTOBER 14, 1924.
- 193,449. WOOL CARPETS. CHARLES W. POULSON, New York, N. Y.
Filed August 13, 1924. Serial No. 201,376. PUBLISHED OCTOBER 21, 1924.
- 193,450. HOSIERY. E. SUTHO & SON COMPANY, Inc., Philadelphia, Pa.
Filed August 14, 1924. Serial No. 201,417. PUBLISHED OCTOBER 14, 1924.
- 193,451. CERTAIN DRAPERIES, VALANCES, CURTAINS, WINDOW SHADES, REDSPREADS. LESHER, WHITMAN & CO., Inc., New York, N. Y.
Filed August 15, 1924. Serial No. 201,458. PUBLISHED OCTOBER 21, 1924.
- 193,452. SILK PIECE GOODS. STEHLI SILKS CORPORATION, New York, N. Y.
Filed August 16, 1924. Serial No. 201,517. PUBLISHED OCTOBER 21, 1924.

- 193,453. CHROME ORE. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed August 22, 1924. Serial No. 201,762. PUBLISHED OCTOBER 14, 1924.
- 193,454. CARROTTED FUR. AMERICAN HATTERS AND FURRIERS COMPANY, INCORPORATED, Danbury, Conn.
Filed August 27, 1924. Serial No. 201,914. PUBLISHED OCTOBER 14, 1924.
- 193,455. COAL. MIDDLE WEST COAL COMPANY, Cincinnati, Ohio.
Filed August 30, 1924. Serial No. 202,070. PUBLISHED OCTOBER 14, 1924.
- 193,456. COAL. MIDDLE WEST COAL COMPANY, Cincinnati, Ohio.
Filed August 30, 1924. Serial No. 202,071. PUBLISHED OCTOBER 14, 1924.
- 193,457. COAL. MIDDLE WEST COAL COMPANY, Cincinnati, Ohio.
Filed August 30, 1924. Serial No. 202,072. PUBLISHED OCTOBER 14, 1924.
- 193,458. FIRE BRICK. FURNACE LININGS. GLASS-POT MIXTURES, AND REFRACTORY MATERIAL USED IN THE CONSTRUCTION OF GLASS AND ZINC AND SIMILAR FURNACES. MITCHELL CLAY MFG. CO., St. Louis, Mo.
Filed September 2, 1924. Serial No. 202,133. PUBLISHED OCTOBER 14, 1924.
- 193,459. PLASTER BOARD AND PLASTER WALL BOARD. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed September 2, 1924. Serial No. 202,155. PUBLISHED OCTOBER 14, 1924.
- 193,460. LEATHER IN THE PIECE. JOHN E. HALLIGAN, Boston, Mass.
Filed September 3, 1924. Serial No. 202,169. PUBLISHED OCTOBER 14, 1924.
- 193,461. CANNED VEGETABLES—NAMESLY, CANNED CORN. LAKE MILLS CANNING COMPANY, Lake Mills, Iowa.
Filed June 5, 1924. Serial No. 198,143. PUBLISHED AUGUST 19, 1924.
- 193,462. HOSIERY. M. I. STEWART & CO. INC., New York, N. Y.
Filed June 7, 1924. Serial No. 198,266. PUBLISHED AUGUST 5, 1924.
- 193,463. CANNED FRESH FRUITS AND VEGETABLES—NAMESLY, SWEET CORN, BANTAM CORN, BEANS, PEAS, PEARS, CHERRIES, STRAWBERRIES, RASPBERRIES, PEACHES, AND PLUMS. STEPHEN E. COMSTOCK, doing business as S. E. Comstock & Co., Newark, N. Y.
Filed June 5, 1924. Serial No. 198,116. PUBLISHED OCTOBER 21, 1924.
- 193,464. HATS FOR LADIES AND CHILDREN. HANKS HAT, INCORPORATED, New York, N. Y.
Filed June 23, 1924. Serial No. 198,979. PUBLISHED OCTOBER 21, 1924.
- 193,465. COTTON FABRICS. MITCHELL BROS. INC., New York, N. Y.
Filed June 24, 1924. Serial No. 199,076. PUBLISHED OCTOBER 21, 1924.
- 193,466. BOOTEES, HOODES, TOQUES, MITTENS, GLOVES, SACKS, SWEATERS, SWEATER SETS, BABY SETS, CAP AND SCARF SETS, SHAWLS, SCARFS, KNIT SKIRTS, CARDIGAN JACKETS, LADIES' JACKETS, KNITTED HEADWEAR, FASCINATORS, CARRIAGE ROBES, CAPES, MOCCASINS, LEGGING DRAWERS, KNITTED DRESSES, KNITTED ROMPERS, AND SNUGGERS. LOUIS SCHLESINGER KNITTING CO. INC., New York, N. Y.
Filed June 25, 1924. Serial No. 199,131. PUBLISHED OCTOBER 21, 1924.

- 193,467. OPHTHALMIC LENSES AND THE BLANKS FROM WHICH THE SAME ARE CUT. VIOPAKE CO., INC., New York, N. Y.
Filed June 18, 1924. Serial No. 198,770. PUBLISHED OCTOBER 14, 1924.
- 193,468. LIQUID FOR CLOSING LEAKS IN RADIATORS AND WATER JACKETS. FRANK HEINEMANN, doing business as Loxaleak Co., Chicago, Ill.
Filed August 6, 1924. Serial No. 201,030. PUBLISHED OCTOBER 14, 1924.
- 193,469. MEDICINAL TREATMENT FOR CONSTIPATION. FINLEY PAGE SEIBERT, doing business as F. Page Seibert, Philadelphia, Pa.
Filed August 7, 1924. Serial No. 201,104. PUBLISHED OCTOBER 14, 1924.
- 193,470. SALVES FOR DISEASES AND INFECTIONS OF THE SKIN. OWEN CRAWFORD, doing business as Ray Chemical Company, Ray St. Louis, Miss.
Filed August 8, 1924. Serial No. 201,125. PUBLISHED OCTOBER 14, 1924.
- 193,471. PERFUMES. LEON COHN, Paris, France.
Filed August 11, 1924. Serial No. 201,220. PUBLISHED OCTOBER 14, 1924.
- 193,472. TREATMENT FOR THE SCALP AND DANDRUFF. JACOB S. C. BIRNBAUM, doing business as C. Birnbaum, New York, N. Y.
Filed August 12, 1924. Serial No. 201,276. PUBLISHED OCTOBER 7, 1924.
- 193,473. INSECTICIDES. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y.
Filed August 12, 1924. Serial No. 201,313. PUBLISHED OCTOBER 7, 1924.
- 193,474. INSECTICIDES. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y.
Filed August 12, 1924. Serial No. 201,314. PUBLISHED OCTOBER 7, 1924.
- 193,475. FLUXES FOR SOLDERING METALS. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany.
Filed August 13, 1924. Serial No. 201,316. PUBLISHED OCTOBER 7, 1924.
- 193,476. ARTICLES MADE OF GLASS—NAMESLY, VASES, BOWLS, COMPOTES, JUGS, DISHES, AND ART GLASS. CORNING GLASS WORKS, Corning, N. Y.
Filed August 6, 1924. Serial No. 201,023. PUBLISHED OCTOBER 21, 1924.
- 193,477. MATCHES. OSAREYHTIO SAVO, LTD., Kuopio, Finland.
Filed June 4, 1924. Serial No. 198,083. PUBLISHED OCTOBER 21, 1924.
- 193,478. PERFUME AND TOILET WATERS. THE W. T. RAWLEIGH COMPANY, Freeport, Ill.
Filed June 21, 1924. Serial No. 198,965. PUBLISHED OCTOBER 14, 1924.
- 193,479. GENERAL TONIC FOR CHICKENS. ALFRED C. THOMPSON, doing business as the Thompson Chemical Co., Colton, S. Dak.
Filed July 25, 1924. Serial No. 200,533. PUBLISHED OCTOBER 14, 1924.
- 193,480. THREADS AND YARNS—VIZ, WELT THREAD AND LOCK-STITCH THREAD. THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y.
Filed July 26, 1924. Serial No. 200,564. PUBLISHED OCTOBER 21, 1924.
- 193,481. LINEN THREAD AND SHOE THREAD. THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y.
Filed July 26, 1924. Serial No. 200,565. PUBLISHED OCTOBER 21, 1924.

- 193,482. THREADS AND YARNS—VIZ, SHUTTLE THREAD. THE LINEN THREAD COMPANY, Paterson, N. J., and New York, N. Y.
Filed July 26, 1924. Serial No. 200,566. PUBLISHED OCTOBER 21, 1924.
- 193,483. INSECTICIDES AND RODENT EXTERMINATOR. MAURICE SULTZBACH, doing business as Maubel Insecticide Company, West Haven, Conn.
Filed July 26, 1924. Serial No. 200,597. PUBLISHED OCTOBER 7, 1924.
- 193,484. PERFUMES AND TOILET CREAMS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed August 2, 1924. Serial No. 200,913. PUBLISHED OCTOBER 14, 1924.
- 193,485. TOILET PREPARATIONS SUCH AS LIQUID AND POWDER NAIL POLISH, FACE POWDER, FOOT POWDER, AND PREPARATIONS FOR THE TREATMENT OF THE HAIR OR SCALP. CARVER-RUFF CO., New York, N. Y.
Filed August 4, 1924. Serial No. 200,929. PUBLISHED OCTOBER 14, 1924.
- 193,486. LAUNDRY BLUE. LAUNDRY PRODUCTS CORP., New York, N. Y.
Filed August 4, 1924. Serial No. 200,950. PUBLISHED OCTOBER 14, 1924.
- 193,487. OLEAGINOUS PREPARATION FOR USE AS A SCOURING AGENT FOR TEXTILE FIBERS INCLUDING ARTIFICIAL SILK. QUAKER OIL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed August 5, 1924. Serial No. 201,012. PUBLISHED SEPTEMBER 30, 1924.
- 193,488. WATER SOFTENER AND CLEANSER. NORTHERN JOBBING COMPANY, Chicago, Ill.
Filed August 4, 1924. Serial No. 200,959. PUBLISHED SEPTEMBER 30, 1924.
- 193,489. CHEMICAL COMPOSITION TO BE USED IN TABLET, POWDER, OR LIQUID FORM TO BE ADDED TO LIQUID FUEL WHEN USED EITHER FOR INTERNAL-COMBUSTION ENGINES OR FOR STOVES TO INCREASE EFFICIENCY AND TO REDUCE CARBON. FREDERICK R. MILLS, doing business as Gas-O-Pep Laboratories, Detroit, Mich.
Filed August 4, 1924. Serial No. 200,956. PUBLISHED SEPTEMBER 30, 1924.
- 193,490. EXTERNAL REMEDY FOR THE TREATMENT OF INFECTION AND OTHER INJURIES AND INFLAMMATIONS OF THE SKIN. THE STERINOL CO., Stillwater, Okla.
Filed August 2, 1924. Serial No. 200,908. PUBLISHED SEPTEMBER 30, 1924.
- 193,491. REMEDY FOR NEGLECTED COLDS, CHRONIC BRONCHITIS, CATARRH, ASTHMA, PLEURISY, INFLUENZA, LARYNGITIS, AND PHARYNGITIS. AMOUR BAILLY, Paris, France.
Filed July 30, 1924. Serial No. 200,704. PUBLISHED SEPTEMBER 30, 1924.
- 193,492. INCENSE. LOUIS LUCAS CO., INC., Jamestown, N. Y.
Filed July 29, 1924. Serial No. 200,685. PUBLISHED SEPTEMBER 30, 1924.
- 193,493. BATHING SALTS AND BATHING COMPOSITIONS FOR REDUCING FLESH. ROBERT K. ZIMMER, doing business as Redu Chemical Company, Cleveland, Ohio.
Filed July 28, 1924. Serial No. 200,649. PUBLISHED SEPTEMBER 30, 1924.
- 193,494. PREPARATION FOR THE TREATMENT OF LEUCORRHEA. FRANK PAUL LAURENZANA, Chicago, Ill.
Filed July 28, 1924. Serial No. 200,628. PUBLISHED SEPTEMBER 30, 1924.
- 193,495. SHAMPOO. Ida H. Morrow, doing business as The Beau Ideal Company, Clarksville, Tenn.
Filed July 26, 1924. Serial No. 200,574. PUBLISHED SEPTEMBER 30, 1924.
- 193,496. TONIC FOR THE CONVALESCENT STAGES OF THE ACUTE INFECTIOUS DISEASES, PARTICULARLY OF INFLUENZA, PNEUMONIA, SEVERE CORYZA, AND PLEURISY. FRANK H. HINCKLEY, doing business as Calfin Drug Company, New York, N. Y.
Filed July 26, 1924. Serial No. 200,545. PUBLISHED SEPTEMBER 30, 1924.
- 193,497. INSECTICIDES, FUNGICIDES, GERMICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed July 25, 1924. Serial No. 200,528. PUBLISHED SEPTEMBER 30, 1924.
- 193,498. INSECTICIDES, FUNGICIDES, GERMICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed July 25, 1924. Serial No. 200,527. PUBLISHED SEPTEMBER 30, 1924.
- 193,499. HEADACHE, NEURALGIA, AND PAIN RELIEF. DAVID SHEFFELMAN, doing business as Sunrise Chemical Co., Stroudsburg, Pa.
Filed July 25, 1924. Serial No. 200,525. PUBLISHED SEPTEMBER 30, 1924.
- 193,500. MEDICINAL PREPARATIONS. SCHERING & GLATZ, INC., New York, N. Y.
Filed July 25, 1924. Serial No. 200,523. PUBLISHED SEPTEMBER 30, 1924.
- 193,501. INSECT POWDER DERIVED OR PREPARED FROM PYRETHRUM OR OTHER VEGETABLE MATTER OR PRODUCTS. JOHN POWELL & CO. INC., New York, N. Y.
Filed September 13, 1923. Serial No. 185,764. PUBLISHED FEBRUARY 5, 1924.
- 193,502. DISPLAY APPARATUS COMPRISING A FRAME WORK WITHIN WHICH APPEARS A PICTORIAL REPRESENTATION EITHER IN THE FLAT OR IN RELIEF. ALEXANDER BERNSTEIN, doing business as Adisplay, New York, N. Y.
Filed September 26, 1923. Serial No. 186,213. PUBLISHED OCTOBER 7, 1924.
- 193,503. WORK SHIRTS. THE C. B. CONES & SON MFG. CO., Indianapolis, Ind.
Filed September 10, 1923. Serial No. 185,567. PUBLISHED SEPTEMBER 23, 1924.
- 193,504. SOAP AND SHAVING CREAM. ALONZO G. WILLIAMS, doing business as Dr. Putnam, New York, N. Y.
Filed October 19, 1923. Serial No. 187,236. PUBLISHED SEPTEMBER 30, 1924.
- 193,505. TIRES AND INNER TUBES COMPOSED OF RUBBER, FABRIC, OR RUBBER AND FABRIC. ORIGINAL TIRE COMPANY, Cincinnati, Ohio.
Filed December 1, 1923. Serial No. 189,134. PUBLISHED FEBRUARY 19, 1924.
- 193,506. RUBBER TIRES FOR VEHICLES. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa.
Filed December 1, 1923. Serial No. 189,137. PUBLISHED OCTOBER 14, 1924.
- 193,507. SMOKERS' PIPES, CIGAR HOLDERS, AND CIGARETTE HOLDERS. KAUFMANN BROS. & BONDY, New York, N. Y.
Filed December 6, 1923. Serial No. 189,314. PUBLISHED MARCH 25, 1924.
- 193,508. WOOL-VELOUR COATING PIECE GOODS. C. BAHNSSEN & CO., INC., New York, N. Y.
Filed October 4, 1923. Serial No. 186,539. PUBLISHED OCTOBER 21, 1924.
- 193,509. TEXTILE FABRICS—NAMESLY, LINEN, CANVAS, COTTON, AND SAILCLOTH IN THE PIECE. THE LAMPORT MFG. SUPPLY CO., INC., New York, N. Y.
Filed November 16, 1923. Serial No. 188,422. PUBLISHED OCTOBER 21, 1924.

193,510. BRASSIERES AND BANDEAUX. MAIDWELL BRASSIERE COMPANY, New York, N. Y.
Filed January 2, 1924. Serial No. 190,349. PUBLISHED OCTOBER 14, 1924.

193,511. LADIES' HATS. LONDON FEATHER NOVELTY COMPANY, New York, N. Y.
Filed February 12, 1924. Serial No. 192,184. PUBLISHED OCTOBER 21, 1924.

193,512. MEN'S AND BOYS' CLOTH CAPS. BOB CAP CO., St. Louis, Mo.
Filed February 23, 1924. Serial No. 192,669. PUBLISHED JUNE 3, 1924.

193,513. PISTON RINGS, RUBBER HOSE, RUBBER AUTOMOBILE TIRES, RUBBER PATCHES, INNER TUBES, AND RUBBER ASBESTOS, AND FELT PACKING. H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex.
Filed March 4, 1924. Serial No. 193,224. PUBLISHED OCTOBER 14, 1924.

193,514. LADIES' AND CHILDREN'S HATS. ROSEN-SUSSMAN HAT CORPORATION, New York, N. Y.
Filed March 5, 1924. Serial No. 193,309. PUBLISHED JUNE 17, 1924.

193,515. MEDICINAL PREPARATION USED IN THE TREATMENT OF EPILEPSY. MAGHEE CHEMICAL CORPORATION, Lander, Wyo.
Filed August 6, 1924. Serial No. 201,038. PUBLISHED SEPTEMBER 30, 1924.

193,516. LAXATIVE TABLETS. CLAUDE W. DODDRIDGE, doing business as Killgusworth Avenue Drug Company, Portland, Oreg.
Filed August 7, 1924. Serial No. 201,080. PUBLISHED SEPTEMBER 30, 1924.

193,517. HAIR GROWER. BESSIE I. CLARK, doing business as The Humming Bird Co., Detroit, Mich.
Filed August 9, 1924. Serial No. 201,179. PUBLISHED OCTOBER 7, 1924.

193,518. COMPLETELY DENATURED ALCOHOL. THE FEDERAL PRODUCTS CO., Cincinnati, Ohio.
Filed August 9, 1924. Serial No. 201,190. PUBLISHED OCTOBER 7, 1924.

193,519. SHAMPOO. WESLEY J. WHITSON, Metairie Ridge, La.
Filed August 9, 1924. Serial No. 201,216. PUBLISHED OCTOBER 7, 1924.

193,520. FOOD COLORS IN PASTE, DRY, AND LIQUID FORMS. B. HELLER & COMPANY, Chicago, Ill.
Filed August 11, 1924. Serial No. 201,237. PUBLISHED OCTOBER 7, 1924.

193,521. COUGH DROPS. J. FRANK SHELLENBERGER CO., Philadelphia, Pa.
Filed August 11, 1924. Serial No. 201,266. PUBLISHED OCTOBER 7, 1924.

193,522. PREPARATION TO BE USED FOR ALLAYING PAIN, SUCH AS HEADACHES, NEURALGIA, RHEUMATISM, COLIC, AND GRIPPE. BENJAMIN F. ROSEMAN, Corvallis, Oreg.
Filed August 13, 1924. Serial No. 201,378. PUBLISHED OCTOBER 7, 1924.

193,523. ANIMAL INSECTICIDE. PARK LABORATORY CO. INC., San Antonio, Tex.
Filed August 14, 1924. Serial No. 201,408. PUBLISHED OCTOBER 7, 1924.

193,524. COAL-TAR COLORS. SOCIETY OF CHEMICAL INDUSTRY IN BASEL, Basel, Switzerland.
Filed January 3, 1924. Serial No. 190,390. PUBLISHED SEPTEMBER 30, 1924.

193,525. MATERIAL CONSISTING OF ONE OR MORE ORGANIC COMPOUNDS FOR TREATING HYDROCARBONS AND THEIR DERIVATIVES TO DEMULSIFY THE SAME AND LOWER THEIR VISCOSITY. LEWIS A. WAY, doing business as Sludge Flux Manufacturing Company, Pittsburgh, Pa.
Filed February 26, 1924. Serial No. 192,871. PUBLISHED SEPTEMBER 30, 1924.

193,526. ANTISEPTIC SOLUTION USED AS A MEDICINE. MINERVA VAVRA, doing business as Vavra's Pharmacy, Chicago, Ill.
Filed March 24, 1924. Serial No. 194,382. PUBLISHED SEPTEMBER 30, 1924.

193,527. D-4 COCAINE. E. MERCK, Darmstadt, Germany.
Filed August 7, 1924. Serial No. 201,096. PUBLISHED OCTOBER 14, 1924.

193,528. NARCOTIC-ADDICT MEDICINE. BETTY SPENCER GASTINEAU, Indianapolis, Ind.
Filed May 5, 1924. Serial No. 190,586. PUBLISHED OCTOBER 7, 1924.

193,529. GLASS DISHES. WILLIAM M. SHEWRY, Chicago, Ill.
Filed April 28, 1924. Serial No. 190,262. PUBLISHED OCTOBER 21, 1924.

193,530. TEXTILE FABRICS—NAMELY, HEMP, FLAX, COTTON, AND JUTE FABRICS. ETABLISSEMENTS CHANE & DUMAIL, Paris, France.
Filed April 12, 1924. Serial No. 195,439. PUBLISHED OCTOBER 21, 1924.

193,531. TEXTILE FABRICS—NAMELY, HEMP, FLAX, COTTON, AND JUTE FABRICS. ETABLISSEMENTS CHANE & DUMAIL, Paris, France.
Filed April 12, 1924. Serial No. 195,438. PUBLISHED OCTOBER 21, 1924.

193,532. ARTIFICIAL SILK: SPUN, THROWN, SEWING, OR KNITTING TWIST; YARN, AND THREAD. "SRIA-VISCOSE" SOCIETA NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy.
Filed April 5, 1924. Serial No. 195,083. PUBLISHED OCTOBER 21, 1924.

193,533. ANTISEPTIC AND GERMICIDE FOOT SALVE AND FOOT REMEDIES. DENES O. VON DANCZ, doing business as National Drug Distributing Syndicate, Brooklyn, N. Y.
Filed March 22, 1924. Serial No. 194,315. PUBLISHED OCTOBER 14, 1924.

193,534. COTTON PIECE GOODS. KELSEY TEXTILE CORPORATION, New York, N. Y.
Filed September 13, 1923. Serial No. 185,756. PUBLISHED OCTOBER 21, 1924.

193,535. PETROLEUM OIL FOR SPRAYING LIVE STOCK. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed September 1, 1923. Serial No. 185,267. PUBLISHED OCTOBER 7, 1924.

193,536. COUGH SIRUP. HOCTOR AND BLUE, Ottawa, Ohio.
Filed June 12, 1923. Serial No. 181,892. PUBLISHED OCTOBER 14, 1924.

193,537. YARN, THREAD, AND FLOSS. KOLN-ROTTWEIL AKTIENGESELLSCHAFT, Berlin, Germany.
Filed August 18, 1922. Serial No. 168,423. PUBLISHED OCTOBER 21, 1924.

193,538. WOOLEN CLOTHS IN THE PIECE INTENDED FOR SUITING, ETC. S. STEIN & CO., New York, N. Y.
Filed July 3, 1922. Serial No. 166,474. PUBLISHED OCTOBER 21, 1924.

193,539. PORCELAIN AND CHINA WARE OF ALL KINDS. CONTINENTAL CERAMICS CORPORATION, New York, N. Y.
Filed September 2, 1924. Serial No. 202,099. PUBLISHED OCTOBER 21, 1924.

193,540. GLASS MILK BOTTLES AND GLASS COTTAGE-CHEESE CONTAINERS. LIBERTY GLASS COMPANY, Sapulpa, Okla.
Filed August 20, 1924. Serial No. 201,667. PUBLISHED OCTOBER 21, 1924.

193,541. FLUID FOR PREVENTION AND REMOVAL OF CORROSION OF METALS. ARTHUR JOHN JONES, Chicago, Ill.
Filed August 14, 1924. Serial No. 201,404. PUBLISHED OCTOBER 7, 1924.

193,542. ROUGE. ANNA HELEN ARLT, Brooklyn, N. Y.
Filed August 14, 1924. Serial No. 201,387. PUBLISHED OCTOBER 7, 1924.

193,543. PREPARATION FOR THE TREATMENT OF INFECTED WOUNDS, GANGRENE, AND ALLIED CONDITIONS. ABRAHAM M. LIEBSTEIN, New York, N. Y.
Filed August 13, 1924. Serial No. 201,357. PUBLISHED OCTOBER 14, 1924.

193,544. HAIR CREAM. EDWARD J. ENDERES, New York, N. Y.
Filed August 13, 1924. Serial No. 201,339. PUBLISHED OCTOBER 7, 1924.

193,545. FLUXES FOR SOLDERING METALS. AKTIENGESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany.
Filed August 13, 1924. Serial No. 201,317. PUBLISHED OCTOBER 7, 1924.

193,546. FRESH GRAPES, ALSO FRESH PEACHES, PLUMS, NECTARINES, POMEGRANATES, APRICOTS, AND PEARS. PARLIER FRUIT GROWERS ASSN., Parlier, Calif.
Filed August 18, 1923. Serial No. 184,680. PUBLISHED OCTOBER 21, 1924.

193,547. CABINET WORK AND MILLWORK. FRANK SCHMITT & COMPANY, Portland, Oreg.
Filed August 9, 1923. Serial No. 184,267. PUBLISHED OCTOBER 7, 1924.

193,548. WOOL AND MIXED COTTON AND WOOL BLANKETS. OLD TOWN WOOLEN CO., INC., Old Town, Me.
Filed May 27, 1924. Serial No. 197,677. PUBLISHED OCTOBER 21, 1924.

193,549. SILK AND SILK AND COTTON GOODS IN THE PIECE. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed May 29, 1924. Serial No. 197,839. PUBLISHED OCTOBER 21, 1924.

193,550. PREPARATION FOR ACUTE AND CHRONIC BRONCHITIS, ACUTE AND CHRONIC COUGH, LARYNGITIS, PHTHISIS, PNEUMONIA, PULMONARY AFFECTIONS, ALL WASTING DISEASES, AND EXHAUSTED CONDITIONS OF THE SYSTEM. SCOTT WILBUR JOHNSON, doing business as Pure Drug Products Co., Cincinnati, Ohio.
Filed May 28, 1924. Serial No. 197,760. PUBLISHED SEPTEMBER 30, 1924.

193,551. MEDICAL PREPARATION APPLIED TO EXTERIOR PORTIONS OF THE BODY TO HEAL, REBUILD, AND STRENGTHEN THE MUSCLES AND TISSUES. B. CLARENCE SMITH, Pittsburgh, Pa.
Filed May 27, 1924. Serial No. 197,689. PUBLISHED OCTOBER 14, 1924.

193,552. WOOL AND MIXED COTTON AND WOOL BLANKETS. OLD TOWN WOOLEN CO., INC., Old Town, Me.
Filed May 27, 1924. Serial No. 197,679. PUBLISHED OCTOBER 21, 1924.

193,553. WILTON RUGS. THOMAS DEVELON, JR., Philadelphia, Pa.
Filed May 14, 1924. Serial No. 197,017. PUBLISHED OCTOBER 21, 1924.

193,554. CERTAIN NAMED CHEMICALS. CHEMISCHE FABRIK GRÖNNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Berlin, Germany.
Filed May 12, 1924. Serial No. 196,906. PUBLISHED OCTOBER 14, 1924.

193,555. METAL AND PLASTER OF PARIS BUSTS. BEVERLY H. THURMAN, Southwest City, Mo.
Filed May 10, 1924. Serial No. 196,890. PUBLISHED OCTOBER 14, 1924.

193,556. FERTILIZER. BAKER & COE, White Salmon, Wash.
Filed May 27, 1924. Serial No. 197,649. PUBLISHED OCTOBER 14, 1924.

193,557. NOODLES. LEOPOLD BENJAMIN LIEB, doing business as Royal Brand Paste Factory, New Orleans, La.
Filed May 5, 1924. Serial No. 196,599. PUBLISHED OCTOBER 14, 1924.

193,558. CERTAIN STEEL FURNITURE FOR HOSPITALS, DOCTORS' OFFICES, AND THE LIKE. FRANK S. BETZ COMPANY, Hammond, Ind.
Filed May 3, 1924. Serial No. 196,503. PUBLISHED OCTOBER 14, 1924.

193,559. POTATOES AND FRESH VEGETABLES. C. C. CLEMONS PRODUCE CO., Kansas City, Mo.
Filed April 28, 1924. Serial No. 196,234. PUBLISHED OCTOBER 21, 1924.

193,560. BOTTLE-WASHING MACHINES. THE RAPID BOTTLE WASHER COMPANY, Delphos, Ohio.
Filed April 3, 1924. Serial No. 194,946. PUBLISHED OCTOBER 14, 1924.

193,561. FURNACES ADAPTED FOR THE CONSUMPTION OF WOOD, ANY KIND OF COAL, OR FUEL OILS. WESTERN STEEL PRODUCTS CO., Duluth and New Duluth, Minn.
Filed March 24, 1924. Serial No. 194,384. PUBLISHED JUNE 24, 1924.

193,562. LUGS, LUG BOLTS, AND PIPE VALVES. H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex.
Filed March 4, 1924. Serial No. 193,226. PUBLISHED OCTOBER 14, 1924.

193,563. INFANTS' BIBS AND CHILDREN'S APRONS. STAR GARTER CO., Chicago, Ill.
Filed February 27, 1924. Serial No. 192,935. PUBLISHED SEPTEMBER 16, 1924.

193,564. OATMEAL AND CEREAL PREPARATIONS OF WHEAT FLOUR, FULL-CREAM DRIED MILK, SUGAR OF MILK, EXTRACT FROM MALTED BARLEY, AND OTHER SUBSTANCES FOR FOODS FOR INFANTS AND INVALIDS. MONTGOMERIE AND COMPANY LIMITED, Glasgow, Scotland.
Filed February 26, 1924. Serial No. 192,851. PUBLISHED AUGUST 12, 1924.

193,565. CANDY. HENRY HEIDE, INC., New York, N. Y.
Filed January 30, 1924. Serial No. 191,484. PUBLISHED SEPTEMBER 30, 1924.

193,566. POTATOES IN THEIR NATURAL STATE. ALBERT MILLER & CO., Chicago, Ill.
Filed December 22, 1923. Serial No. 190,025. PUBLISHED SEPTEMBER 9, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION:

193,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL NELSON ASSOCIATION, Livingston, Va. Filed Nov. 8, 1924. Serial No. 204,995.

Piedmont-Virginia

Particular description of goods.—Fresh Apples.
Claims use since September, 1923.

193,568. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SALINE COUNTY COAL CORPORATION, Chicago, Ill. Filed Oct. 17, 1924. Serial No. 204,054.

PREMIUM

Particular description of goods.—Coal.
Claims use since Jan. 1, 1908.

193,569. (CLASS 12. CONSTRUCTION MATERIALS.) PIKE RIVER GRANITE CO., Marinette, Wis., and Chicago, Ill. Filed July 16, 1924. Serial No. 200,118.

PIKE RIVER

Particular description of goods.—Monumental and Building Granite.
Claims use since 1897.

193,570. (CLASS 12. CONSTRUCTION MATERIALS.) PIKE RIVER GRANITE CO., Marinette, Wis., and Chicago, Ill. Filed July 16, 1924. Serial No. 200,117.

MONTROSE

Particular description of goods.—Monumental and Building Granite.
Claims use since 1916.

193,571. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed May 3, 1924. Serial No. 196,547.



The trade-mark is in part colored red, as indicated by the lining on the drawing.

Particular description of goods.—Paints (Ready-Mixed, Paste Form, and Dry), Paint Enamels, Japans, Varnishes, Stains, and Fillers.
Claims use since Nov. 30, 1909.

1056

193,572. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) INDEPENDENT COAL CORPORATION, New York, N. Y. Filed Nov. 19, 1923. Serial No. 188,558.

CAMBRIAN

Particular description of goods.—Coal.
Claims use since Nov. 7, 1923.

193,573. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Sept. 18, 1923. Serial No. 185,900.

**GARLOCK
STYLE NO. 145**

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since 1904.

193,574. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALLKLEAN MANUFACTURING COMPANY, New York, N. Y. Filed Sept. 18, 1923. Serial No. 185,891.

ALLKLEAN

Particular description of goods.—Polish for Automobiles, Furniture, and Other Varnished and Enameled Surfaces.
Claims use since July 1, 1921.

193,575. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,848.

**GARLOCK
STYLE NO. 778**

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

DECEMBER 30, 1924

U. S. PATENT OFFICE.

1057

193,576. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,847.

**GARLOCK
STYLE NO. 777**

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,577. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,846.

**GARLOCK
STYLE NO. 711**

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since May 22, 1915.

193,578. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,845.

GARLOCK

STYLE No. 681

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Jan. 3, 1921.

193,579. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,844.

GARLOCK

STYLE No. 605

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,580. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,838.

GARLOCK-188

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,581. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,837.

GARLOCK-182

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

193,582. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,836.

GARLOCK-175

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since July, 1907.

193,582. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,833.

GARLOCK STYLE NO. 117

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.

Claims use since Dec. 21, 1910.

193,584. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,832.

GARLOCK-108

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.

Claims use since Mar. 25, 1905.

193,585. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,829.

GARLOCK

STYLE No. 91

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.

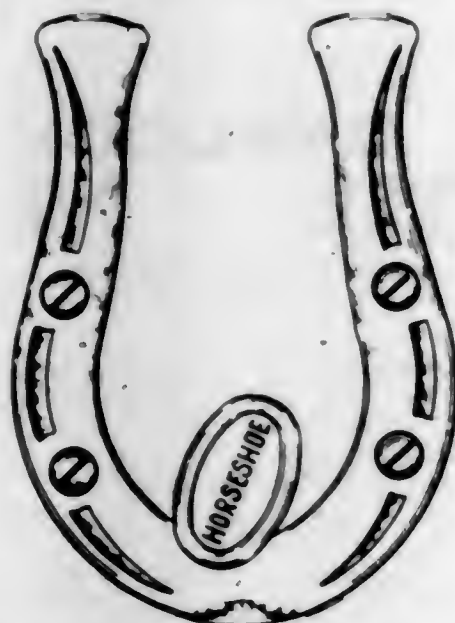
Claims use since Dec. 15, 1918.

193,586. (CLASS 12. CONSTRUCTION MATERIALS.) LONE STAR LIME WORKS, Oglesby, Tex. Filed July 5, 1923. Serial No. 182,832.



Particular description of goods.—Hydrated Lime.
Claims use since July 11, 1922.

193,587. (CLASS 25. LOCKS AND SAFES.) SAMUEL EDELSON, doing business as Horse Shoe Lock Co., New York, N. Y. Filed June 12, 1922. Serial No. 165,362.



Particular description of goods.—Door Locks.
Claims use since Jan. 25, 1922.

193,588. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WARNER BROTHERS PICTURES, INC., New York, N. Y. Filed Oct. 22, 1924. Serial No. 204,292.

A Warner Bros. Classic Screen

Particular description of goods.—Motion-Picture Films.
Claims use since Sept. 15, 1922.

193,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Sept. 27, 1924. Serial No. 203,104.



Particular description of goods.—Sausage.
Claims use since Sept. 22, 1921.

193,590. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MIAMI TRAILER-SCRAPER CO., Troy, Ohio. Filed Sept. 19, 1924. Serial No. 202,782.

ONE-MAN POWER SCRAPER

Particular description of goods.—Earth Digging and Moving Apparatus.
Claims use since Aug. 29, 1923.

193,591. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEO. H. SMITH STEEL PARTING COMPANY, Milwaukee, Wis. Filed Sept. 2, 1924. Serial No. 202,149.



Particular description of goods.—Crawler Attachments for Tractors.
Claims use since November, 1922.

193,592. (CLASS 39. CLOTHING.) PENDLETON WOOLEN MILLS, Pendleton, Oreg. Filed June 13, 1924. Serial No. 198,536.

PENDLETON

Particular description of goods.—Outer Coats, Trousers, Vests, Overcoats, Work and Dress Shirts; Underwear of Knit and Textile Fabric for Men, Women, and Children; Hosiery, Bath Robes, Sweaters, and House Jackets and Coats Which are Knitted, Netted, or Woven.
Claims use since April, 1899.

193,593. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HERMAN DEWEY SWANSON, New Haven, Conn. Filed Mar. 21, 1924. Serial No. 194,223.

ELM CITY BRAND

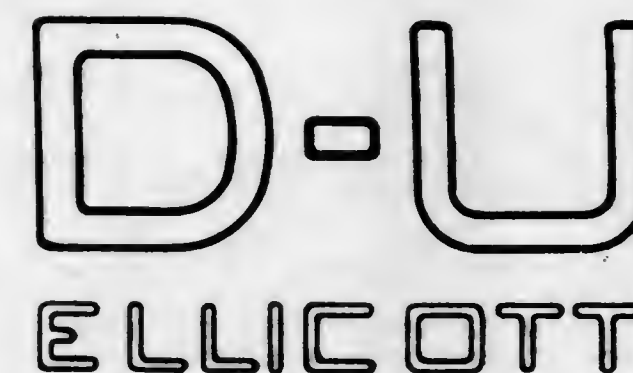
Particular description of goods.—Carpenters' Hammers, Saws, Planes, Wood Chisels, Screw Drivers, and Pliers; Machinists' Hammers, Screw Drivers, and Cold Chisels; Pocket, Paring, Kitchen, and Butcher Knives.
Claims use since Oct. 1, 1922.

193,594. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY GERMAIN, Springfield, Mass. Filed Nov. 23, 1923. Serial No. 188,752.

CHAMPION

Particular description of goods.—Meat Cakes.
Claims use since Nov. 1, 1923.

193,595. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE ELICOTT MACHINE CORPORATION, Baltimore, Md. Filed Nov. 10, 1923. Serial No. 188,189.



Particular description of goods.—Base-Metal Alloys, Particularly Alloyed Ferrous Metal Used in the Manufacture of Pumps and Other Industrial Machinery.
Claims use since Oct. 9, 1923.

193,596. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AETNA HOSIERY COMPANY, Worcester, Mass., assignor, by mesne assignments, to Holden Knitting Co., Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 9, 1921. Serial No. 152,735.

SPONGEMIT

Particular description of goods.—Knitted Washing and Polishing Mitts.
Claims use since August, 1921.

TRADE-MARK REGISTRATIONS RENEWED

25,597. HAMS, BACON, AND LARD. Registered December 4, 1894. SWIFT PROVISION CO., Baltimore, Md. Renewed December 4, 1924.

25,598. HAMS, BACON, AND LARD. Registered December 4, 1894. SWIFT PROVISION CO., Baltimore, Md. Renewed December 4, 1924.

26,052. MECHANICAL RUBBER GOODS. Registered February 12, 1895. BOSTON BELTING COMPANY, Boston, Mass. Renewed February 12, 1925.

26,295. COUGH DROPS AND OTHER REMEDIES FOR COUGHS, COLDS, AND SORE THROAT. Registered March 26, 1895. WENNEKER-MORRIS CANDY CO. Renewed March 26, 1925, to Blanke-Wenneker Candy Company, St. Louis, Mo., assignee.

LABELS

REGISTERED DECEMBER 30, 1924.

- 27,979.—*Title:* BANANA. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,980.—*Title:* VIRGINIA PRIDE. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,981.—*Title:* PESTKÓWKA. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,982.—*Title:* CHERRY. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,983.—*Title:* TOKAY. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,984.—*Title:* GINGER BRANDY. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,985.—*Title:* CREME DE MENTHE. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,986.—*Title:* KUMMEL. For a Beverage. BUFFALO BEVERAGE MFG. CO., Buffalo, N. Y. Published June 15, 1924.
- 27,987.—*Title:* CLAIREMONT AIR-TITE EGGS. For Eggs. CLAIREMONT STERILIZED EGG CO., INC., Chicago, Ill. Published September 5, 1924.
- 27,988.—*Title:* R A B FOOT-VIGOR. For Preparation for the Human Feet. JOHN C. CROWE, doing business as Clear Rock Mineral Co., Indianapolis, Ind. Published August 15, 1924.
- 27,989.—*Title:* DITZLER'S FANCY MILK FED POULTRY. For Poultry. RAY L. DITZLER, Huntington, Ind. Published August 1, 1924.
- 27,990.—*Title:* DITZLER'S FANCY MILK FED POULTRY. For Poultry. RAY L. DITZLER, Huntington, Ind. Published August 1, 1924.
- 27,991.—*Title:* HIGH GRADE NIPPLES—FRETZ-MADE FROM NEW PIPE. For Assorted Nipples. S. S. FRETZ, JR. & CO. (INC.), Philadelphia, Pa. Published August 12, 1924.
- 27,992.—*Title:* CLINCO THE MAGICAL CLEANER. For Bottles Containing a Cleaning Fluid. MACHICE DE WITT HIRST, Camden, N. J. Published July 21, 1924.
- 27,993.—*Title:* CREPICILK. For Ladies', Men's, and Children's Hosiery, Sweaters, and Knitted Underwear. HOSIERY MANUFACTURERS SALES CO. INC., New York, N. Y. Published March 25, 1924.
- 27,994.—*Title:* ALOTAWARE. For Ladies', Men's and Children's Hosiery, Sweaters, and Knitted Underwear. HOSIERY MANUFACTURERS SALES CO. INC., New York, N. Y. Published March 25, 1924.
- 27,995.—*Title:* CLENOSAN. For Purely Vegetable Blood Purifier and Tonic. FRANCISCO J. HOSPITAL, Los Angeles, Calif. Published January 5, 1924.
- 27,996.—*Title:* BILTRITE. For Cigars. THE KALTREIDER CIGAR COMPANY, Red Lion, Pa. Published June 30, 1924.
- 27,997.—*Title:* TENICO. For Cigars. U. L. KLINE, Yorkana, Pa. Published June 15, 1922.
- 27,998.—*Title:* DR. YOUNG'S CHOCOLATE FLAVOR MALTED MILK. For Malted Milk. HERMAN LAVITZ, doing business as Dr. Young's Food Company, Brooklyn, N. Y. Published May 17, 1924.
- 27,999.—*Title:* MILK WHITE. For Eggs. ERNEST LEBERS, New York, N. Y. Published July 15, 1924.
- 28,000.—*Title:* THE BRIDGE BOX. For Chocolate Candy. MOIRS, LIMITED, Halifax, Nova Scotia, Canada. Published March 12, 1924.
- 28,001.—*Title:* NATIONAL PHOTO ENGRAVING CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,002.—*Title:* NATIONAL SOLID WHITE FLAME CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,003.—*Title:* NATIONAL WHITE FLAME A. C. PROJECTOR CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,004.—*Title:* NATIONAL HIGH INTENSITY WHITE FLAME PROJECTOR CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,005.—*Title:* NATIONAL HIGH INTENSITY SEARCH-LIGHT CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,006.—*Title:* NATIONAL SEARCHLIGHT CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,007.—*Title:* NATIONAL PROJECTOR CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,008.—*Title:* NATIONAL SILVERTIP NEGATIVE PROJECTOR CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,009.—*Title:* NATIONAL ENCLOSED ARC CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.
- 28,010.—*Title:* HOME MADE BREAD. For Bread. NEWARK PARAFFINE & PARCHMENT PAPER CO., Newark, N. J.; Columbus, Ohio; and New York, N. Y. Published June 10, 1924.
- 28,011.—*Title:* BEAUTY-GLOW COMBINATION CREME POWDER. For Creme Powder Which Removes Blackheads, Freckles, Pimples, Sunburn, and Tan. PERREN COMPANY, Youngstown, Ohio. Published June 25, 1924.
- 28,012.—*Title:* GUM SPIRITS OF TURPENTINE. For Turpentine. H. C. PORTER, Orlando, Fla. Published July 21, 1924.

PRINTS

REGISTERED DECEMBER 30, 1924.

- 7,642.—*Title:* CARDUI. For a Purely Vegetable Remedy or Tonic. THE CHATTANOOGA MEDICINE CO., Chattanooga, Tenn. Published August 8, 1924.
- 7,643.—*Title:* LEMON SHAMPOO WINDOW DISPLAY. For Preparations for the Hair. ALFRED J. KRANK, St. Paul, Minn. Published July 1, 1924.
- 7,644.—*Title:* CASCADE HOME HOSPITALITY CAR-TON. For Ginger Ale. MONARCH MANUFACTURING CO., Atlanta, Ga. Published June 26, 1924.
- 7,645.—*Title:* "TWIN-TROUSERS"-SUITS. For Men's Clothing. SAMUEL D. PARVER, doing business as Day and Night Clothes Shop, Salt Lake City, Utah. Published June 16, 1924.

DESIGNS

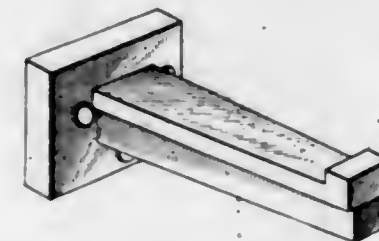
DECEMBER 30, 1924.

- 66,315. BATHROOM FIXTURE. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,388. Term of patent 14 years.



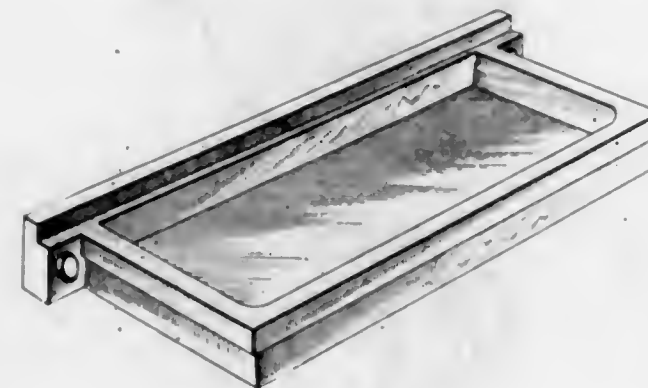
The ornamental design for a bathroom fixture, as shown.

- 66,316. BATHROOM BRACKET OR HOOK. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,391. Term of patent 14 years.



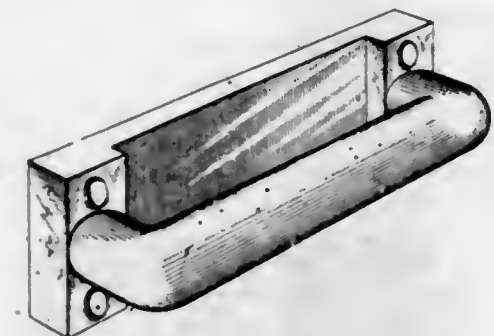
The ornamental design for a bathroom bracket or hook as shown.

- 66,317. BATHROOM SHELF OR RECEPTACLE. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,392. Term of patent 14 years.



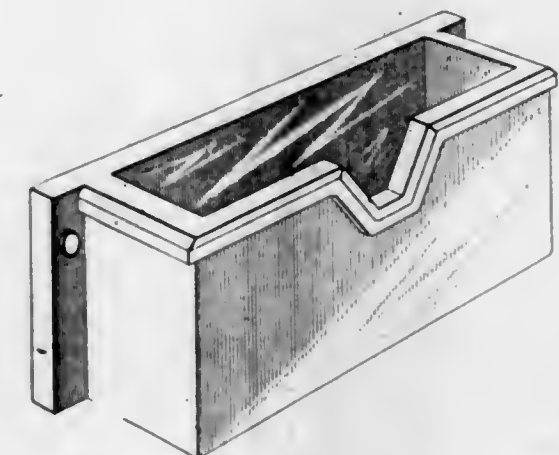
The ornamental design for bathroom shelf or receptacle as shown.

- 66,318. GRAB RAIL OR SIMILAR ARTICLE. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,393. Term of patent 14 years.



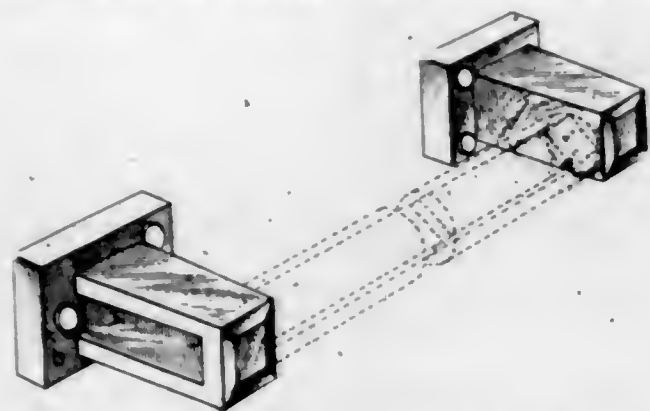
The ornamental design for a grab rail or similar article as shown.

- 66,319. BATHROOM PAPER HOLDER. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,395. Term of patent 14 years.



The ornamental design for a bathroom paper holder as shown.

66,320. BRACKET FOR BATHROOM FIXTURES. STEPHEN D. BAKER, New York, N. Y. Filed Dec. 31, 1921. Serial No. 526,396. Term of patent 14 years.



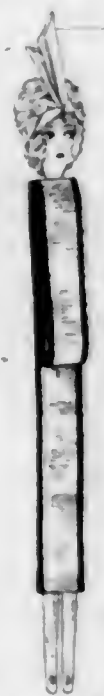
The ornamental design for a bracket for bathroom fixtures, as shown.

66,321. WOVEN FABRIC OR SIMILAR ARTICLE. LOUISE H. BREWSTER, Lexington, Mass., assignor to Joseph W. Woods & Sons Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 28, 1923. Serial No. 7,358. Term of patent 7 years.



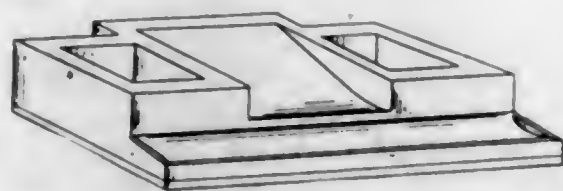
The ornamental design for woven fabric or similar article, as shown.

66,322. BOOKMARK. MARGARET M. CRANE, Los Angeles, Calif. Filed Sept. 29, 1924. Serial No. 10,919. Term of patent 3½ years.



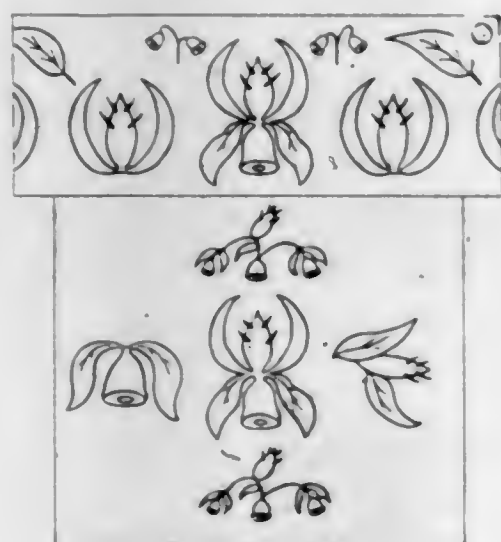
The ornamental design for a bookmark, as shown.

66,323. COMBINED TOOTHPICK, MATCH, AND CHANGE TRAY. JERRY D. CUMMINGS, Detroit, Mich. Filed Sept. 2, 1924. Serial No. 10,641. Term of patent 7 years.



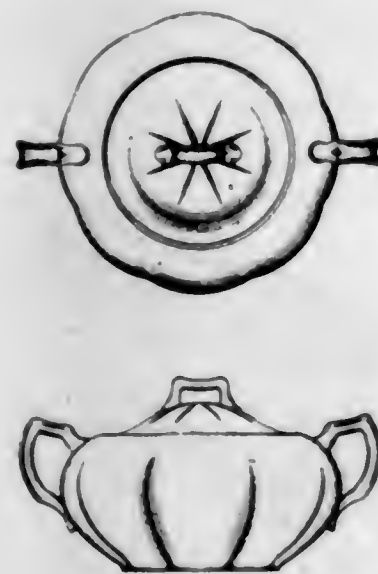
The ornamental design for a combined toothpick, match and change tray, as shown.

66,324. WALL PAPER. IRVIN GATEWOOD, Moline, Ill. Filed Jan. 16, 1924. Serial No. 8,330. Term of patent 14 years.



The ornamental design for wall paper as shown.

66,325. BOWL OR SIMILAR ARTICLE. GEORGE HAVILAND, Limoges, France. Filed Jan. 30, 1922. Serial No. 444. Term of patent 3½ years.



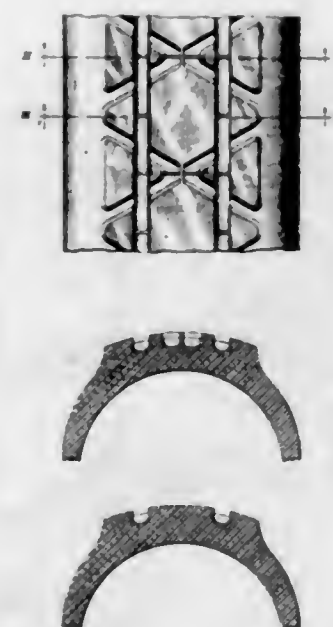
The ornamental design for a bowl or similar article, as shown.

66,326. PLATE OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Feb. 24, 1922. Serial No. 886. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

66,327. TIRE TREAD. FREDERIC M. HOBLITT, New York, N. Y., assignor to Ajax Rubber Company, Inc., Millbrook, N. Y., a Corporation of New York. Filed June 10, 1922. Serial No. 2,615. Term of patent 14 years.



The ornamental design for a tire tread substantially as shown.

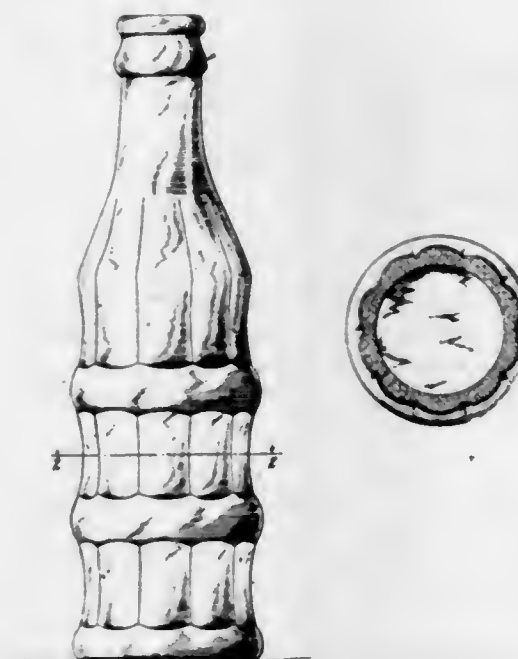
229 O. G.—69

66,328. RING. RANDALL H. JONES, Indianapolis, Ind. Filed Sept. 19, 1924. Serial No. 10,831. Term of patent 3½ years.



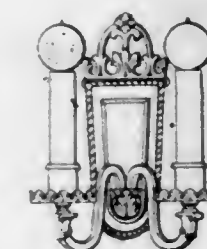
The ornamental design for a ring, as shown.

66,329. BOTTLE. OTEY B. MCBROOM, Roxboro, N. C. Filed July 22, 1924. Serial No. 10,217. Term of patent 7 years.



The ornamental design for a bottle, as shown.

66,330. WALL BRACKET FOR LIGHTING FIXTURES. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Nov. 17, 1923. Serial No. 7,794. Term of patent 7 years.



The ornamental design for a wall bracket for lighting fixtures, as shown.

66,331. HAT. ETHELYN A. PEGG, Hollywood, Calif. Filed June 22, 1922. Serial No. 2,760. Term of patent 7 years.



The ornamental design for a hat substantially as described and shown.

66,332. PHONOGRAPH CABINET. GEORGE J. PIKE, Grand Rapids, Mich., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Oct. 29, 1924. Serial No. 11,212. Term of patent 14 years.



The ornamental design for a phonograph cabinet, as shown.

66,333. PHONOGRAPH CABINET. GEORGE J. PIKE, Grand Rapids, Mich., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Oct. 29, 1924. Serial No. 11,213. Term of patent 14 years.



The ornamental design for a phonograph cabinet, as shown.

66,334. PHONOGRAPH CABINET. GEORGE J. PIKE, Grand Rapids, Mich., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Oct. 29, 1924. Serial No. 11,214. Term of patent 14 years.



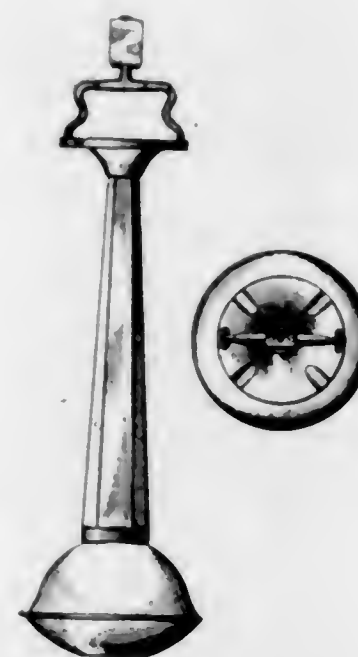
The ornamental design for a phonograph cabinet, as shown.

66,335. DISPLAY STAND. FRANK R. PORTER, Washington, D. C. Filed Aug. 7, 1922. Serial No. 3,312. Term of patent 7 years.



The ornamental design for a display stand, as shown.

66,336. SMOKER'S STAND. EDWIN SAVERY, San Francisco, Calif., assignor to Boesch Lamp Company, San Francisco, Calif., a Corporation of California. Filed May 17, 1923. Serial No. 6,177. Term of patent 14 years.



The ornamental design for a smoker's stand, as shown.

66,337. ICE-CREAM CONE. BENJAMIN SMITH, Chelsea, Mass., assignor to Benjamin Smith and Benjamin Lichter, Partners doing business as Old South Cone Company, Chelsea, Mass. Filed Oct. 28, 1924. Serial No. 11,206. Term of patent 7 years.



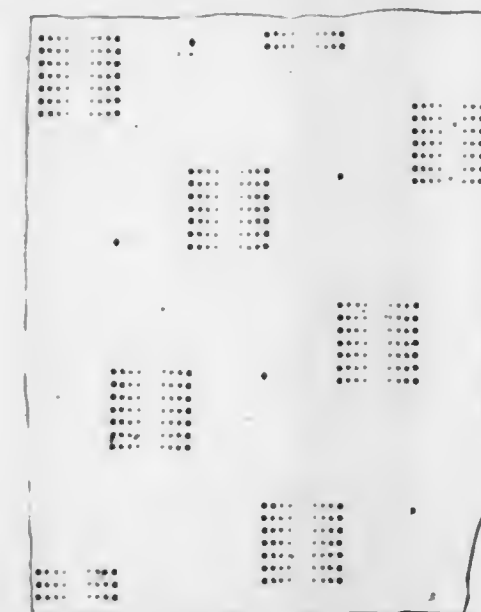
The ornamental design for an ice cream cone as shown.

66,338. METAL SHEET OR SIMILAR ARTICLE OF MANUFACTURE. DAVID STOLL, Brooklyn, N. Y. Filed Aug. 15, 1924. Serial No. 10,463. Term of patent 7 years.



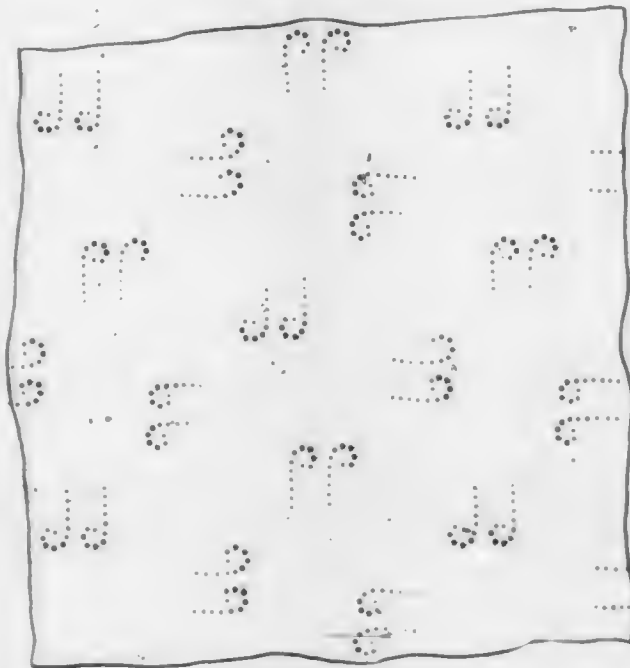
The ornamental design for metal sheet or similar article of manufacture as shown and described.

66,339. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 6,691. Term of patent 3½ years.



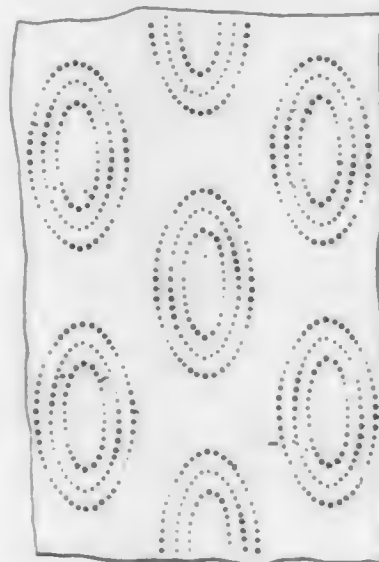
The ornamental design for flocked voile fabric, as shown.

66,340. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 6,692. Term of patent $3\frac{1}{4}$ years.



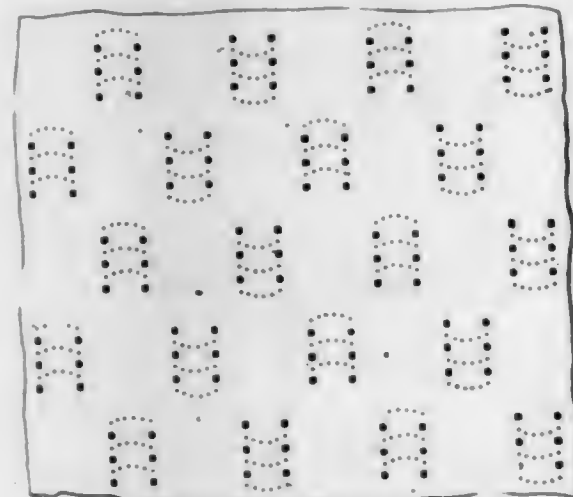
The ornamental design for flocked voile fabric, as shown.

66,341. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 6,693. Term of patent $3\frac{1}{4}$ years.



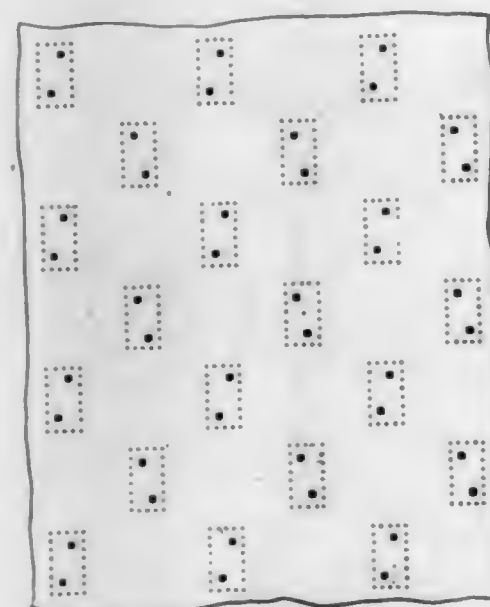
The ornamental design for flocked voile fabric, as shown.

66,342. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 6,695. Term of patent $3\frac{1}{4}$ years.



The ornamental design for flocked voile fabric, as shown.

66,343. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 6,709. Term of patent $3\frac{1}{4}$ years.



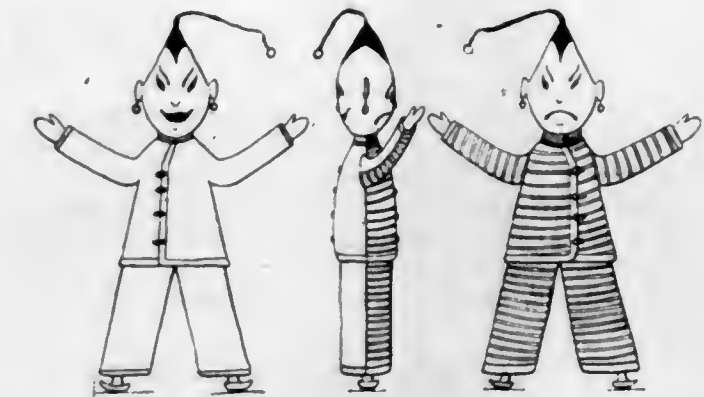
The ornamental design for flocked voile fabric, as shown.

66,344. GRENADINE LACE STRIPE FABRIC. SIDNEY WORMS, New Rochelle, N. Y., assignor to Franklin Knitting Mills, Inc., New York, N. Y., a Corporation of New York. Filed May 5, 1923. Serial No. 6,077. Term of patent $3\frac{1}{4}$ years.



The ornamental design for a grenadine lace stripe fabric as shown.

66,345. DOLL. VIOLETTE F. WRIGHT, Philadelphia, Pa. Filed Sept. 17, 1924. Serial No. 10,810. Term of patent 7 years.

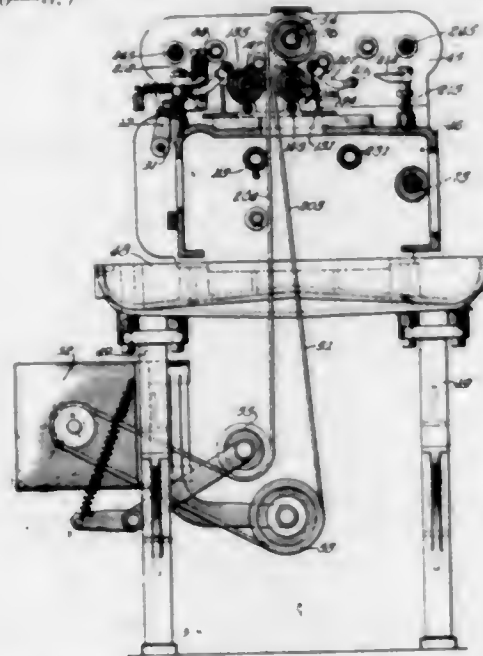


The ornamental design for a doll substantially as shown.

PATENTS

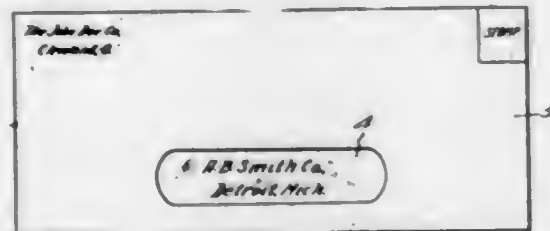
GRANTED DECEMBER 30, 1924.

1,520,684. SHAVING AND SLOTTING MACHINE. GEDOR W. ALDEEN, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a Corporation of Illinois. Filed Oct. 26, 1922. Serial No. 597,089. 45 Claims. (Cl. 10—3.)



1. In a shaving and slotting machine, a first and a second chuck, and means for indexing them in one direction to position the first chuck at a shaving station and the second chuck at a second slotting station, and in the opposite direction to position the first chuck at a first slotting station and the second chuck at said shaving station, at which stations shaving and slotting operations are performed on blanks carried by the chucks.

1,520,685. ENVELOPE. MILTON P. ALTSCHUL, Cleveland, Ohio, assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 13, 1922. Serial No. 560,609. 4 Claims. (Cl. 283—1.)

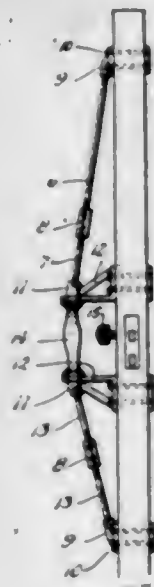


3. The combination of two envelopes, one placed within the other, the inner envelope having the address of one party on the front face thereof and the address of a second party on the rear face, and the outer envelope having a transparent window therein, the address of said second party on the rear face of said inner envelope being adapted to register with said transparent window.

1,520,686. DOOR CONSTRUCTION. WILLIAM ANDLER, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,304. 3 Claims. (Cl. 20—38.)

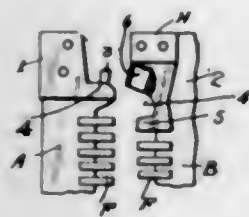
1. The combination with a door, of threaded socket members having means for attachment to the flat upper and lower portions thereof adjacent the free edge of the

door; brackets secured to the central portion of the door adjacent the free edge thereof and provided with threaded sockets aligned with said first mentioned



sockets in a plane at an angle to the plane of the door; rods threaded in said sockets, and turn buckles connecting said rods, substantially as described.

1,520,687. CLOSURE FOR GARMENTS AND OTHER PURPOSES. WILLIAM C. AVEDON, New York, N. Y. Filed Mar. 20, 1923. Serial No. 626,446. 3 Claims. (Cl. 24—205.)



1. An end closure for two strips having interlocking fasteners adapted to be connected and separated by the movement of a slidable member adapted to be slid to and fro over said interlocking fasteners, comprising an end entering member secured to one strip, and an end entered member secured to the other strip, said end members being adapted to interlock and to be manually engaged and disengaged, said end members being adapted to move their adjacent fasteners into proper position to be connected by said slidable member when they are interlocked.

1,520,688. JOURNAL BOX FOR MINE-CAR WHEELS. FRANK S. BARKS and GEORGE B. BELL, Jr., St. Louis, Mo., assignors to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 17, 1922. Serial No. 554,173. 8 Claims. (Cl. 64—24.)

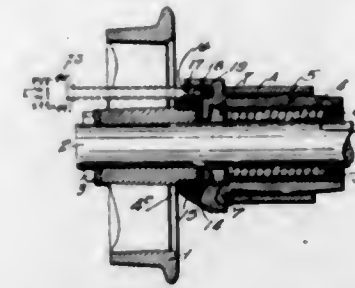
1. In a journal box, a main bearing for an axle, and a shroud adapted to cooperate with a wheel hub to

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U. S. PATENT OFFICE.

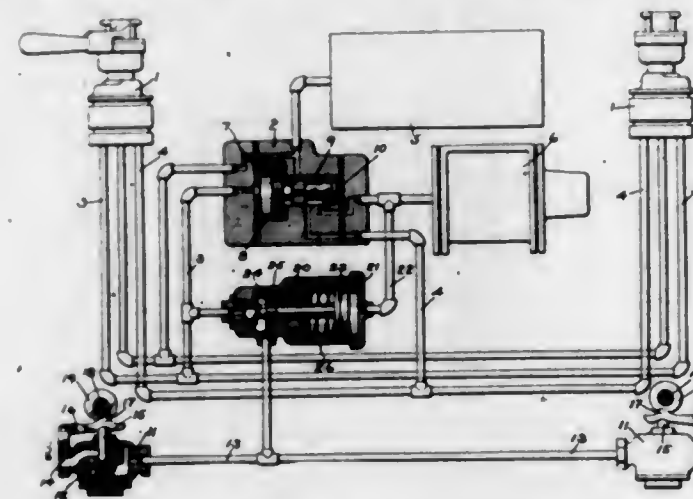
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form an elongated packing surface, said shroud being undercut on its inner face to provide an enlarged lubri-



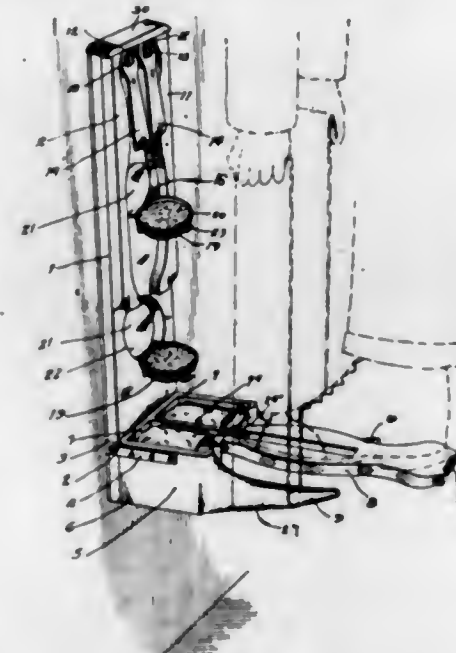
cant reservoir around the axle and hub and between the axle bearing and the outer end of said shroud.

1,520,689. SAFETY CAR-CONTROL DEVICE. JOSEPH M. ROSENBURY, Peoria, Ill. Filed Dec. 15, 1922. Serial No. 607,216. 5 Claims. (Cl. 303—6.)



1. In a safety control device, the combination with direct and automatic means for effecting an application of the brakes, mechanism for controlling a car door, and a device associated with said mechanism for causing an application of the brakes by operation of said automatic means upon release of the brakes as applied by said direct means in the door open position of said mechanism.

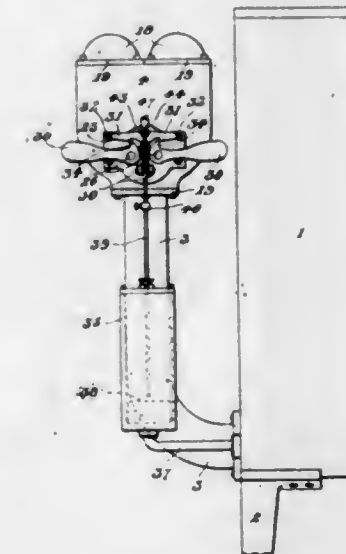
1,520,690. SHOE-POLISHING BOX. CHARLES H. BOYLE, New Haven, Conn. Filed May 17, 1921. Serial No. 470,423. 7 Claims. (Cl. 15—266.)



2. A shoe polishing box consisting of a wall box comprising an open section, a hinged cover therefor, a foot rest on said cover accessible when said cover is opened,

a hinge and an abutment on the wall section to accommodate the heel of the cover section and thereby the load on the foot rest, a polish can hinged to the open section and means for engagement of the same with the foot rest when the latter is moving to closed position, whereby the can is automatically closed.

1,520,691. WATER-SUPPLY CONTROL FOR LAUNDRY MACHINES. CECIL H. BOYLS, Louisville, Ky. Filed July 3, 1924. Serial No. 723,991. 5 Claims. (Cl. 137—68.)



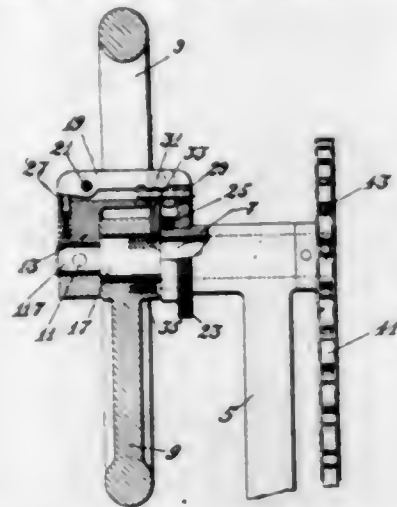
1. Means for controlling the supply of water to a laundry machine comprising in combination with a tub and a water inlet pipe associated with the lower end thereof, a valve box attached to the inlet pipe and in communication with hot and cold water supply pipes, independent manually operable valves for the hot and cold water and automatically operable means for closing the valves when the water in the tub has reached a predetermined level, each valve embodying a ball structure and an air pocket including a guide sleeve for the ball valve whereby the ball is slowly returned to its seat.

4. Means for controlling the supply of water to a laundry machine comprising in combination with a tub and a water inlet pipe associated with the lower end thereof, a valve box attached to the inlet pipe and in communication with hot and cold water supply pipes, independent manually operable valves for the hot and cold water, automatically operable means for closing the valves when the water in the tub has reached a predetermined level, each valve being cam operated, a freely mounted pin interposed between the cam and valve, manually operable means for the cam, and devices associated with the last named means for holding the valves in open position, said valves including removable valve seats of cup-formation having a central bearing for the valve operating pin and said seat having passages in the bottom wall thereof outwardly of the bearing.

1,520,692. ADJUSTING MECHANISM. WILLIAM J. BRENNAN, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 11, 1918. Serial No. 221,729. 7 Claims. (Cl. 74—39.)

1. A device of the class described having, in combination, an adjusting member capable of being moved in two directions, a locking member carried by the ad-

justing member, a fixed rack for engagement with the locking member to lock the adjusting member, and means



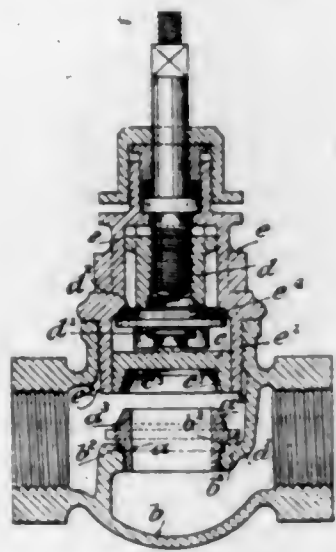
loosely surrounding the adjusting member for disengaging the locking member from the rack and for moving the adjusting member.

1,520,693. TRAFFIC SIGNAL. DANIEL H. BROWN, Oakland, Calif. Filed Feb. 5, 1921. Serial No. 442,655. 2 Claims. (Cl. 116-35.)



1. A signal means comprising a relatively thin, inflexible flat plate of arbitrary design, and of a size to substantially cover a human hand, and means for securing the plate to the hand longitudinally thereof in a manner to allow free flexing of the muscles of the hand without bending the plate.

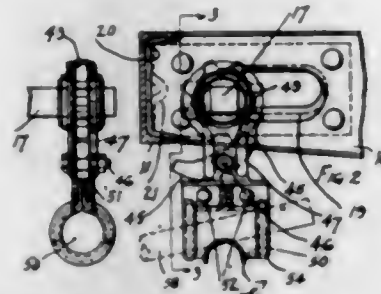
1,520,694. STOP COCK AND VALVE. BENJAMIN BUTLER and WILFRED BUTLER, Dunkinfield, England. Filed Nov. 26, 1921. Serial No. 517,598. 4 Claims. (Cl. 251-167.)



3. A stop cock or valve comprising a lower body portion, a web in such body portion, said web having an opening therethrough, an end of the wall surrounding the opening having a right angle recess therein, a

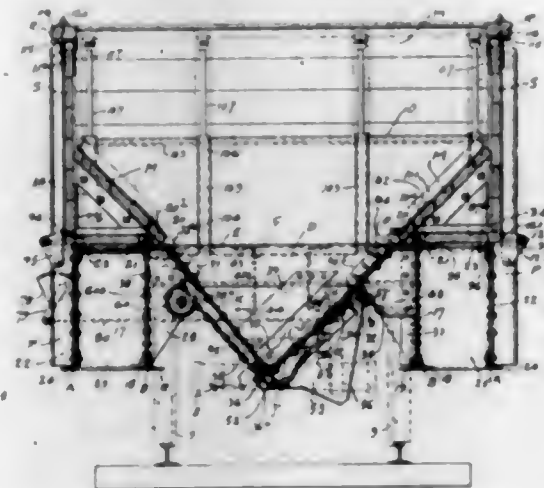
removable seat in said opening and having a lower conical face merging into a cylindrical portion thereby to provide an annular recess and form a clearance space around the valve seat, said seat also having an upper exterior conical face, a removable clack having an interior conical face merging into a cylindrical portion for cooperating with said exterior conical face of the valve seat, an upper body portion co-operating with the lower body portion to form the valve casing, a sleeve pendent from said upper body portion, a valve actuator, said actuator and clack having co-operating means whereby the clack is movable with the actuator, said clack being guided by the sleeve, and screw threaded means for operating the actuator.

1,520,695. OPERATING MECHANISM FOR DUMP-CAR-DOOR RAISING AND SUPPORTING SHAFTS. ARCYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 9, 1922. Serial No. 605,787. Renewed Oct. 24, 1924. 18 Claims. (Cl. 105-295.)



1. In a dump car, the combination with a discharge door; of a bodily movable shaft adapted to move from a position adjacent the free edge thereof to a supporting position directly under the same; and a bearing for the said shaft, said bearing comprising a plate having a flange pressed out from the main portion of said plate, said flange presenting walls at right angles to the main body of the plate.

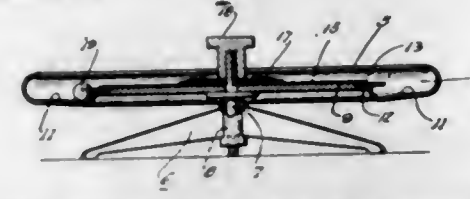
1,520,696. LOAD-DISCHARGING CAR. ARCYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 31, 1922. Serial No. 585,431. now Patent No. 1,465,756, dated Aug. 21, 1923. Divided and this application filed Aug. 13, 1923. Serial No. 657,058. 18 Claims. (Cl. 105-243.)



1. In a load discharging car adapted to deposit ballast between rails, the combination with longitudinally extending sills disposed on each side of a hopper composed of oppositely inclined sides, one of such sides having a pivoted door and the opposite side thereto being stationary, gussets connecting the stationary side and one of the sills, bearings carried by the gussets, a rotary

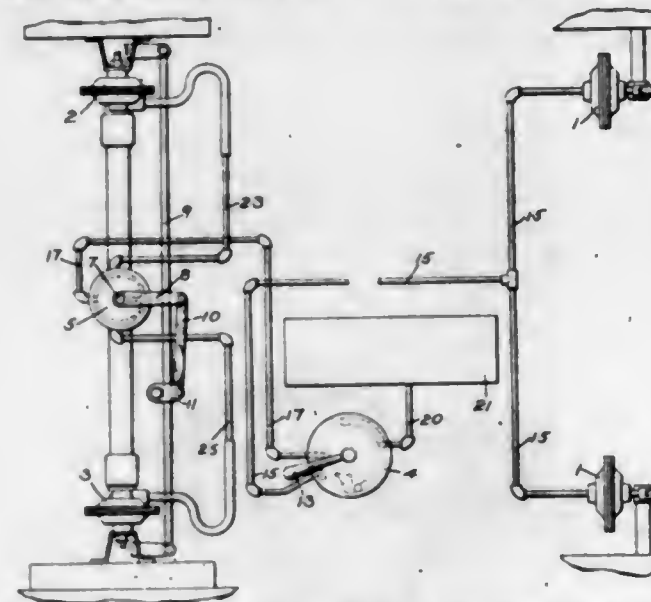
shaft mounted in the bearings and a series of flexible connections between the shaft and door and means for rotating the shaft; such means being adapted to engage the shaft intermediately of the ends thereof and intermediately of some of the said flexible connections.

1,520,697. GAME. DAVID E. CARLSON, Chicago, Ill. Filed Oct. 25, 1922. Serial No. 596,847. 6 Claims. (Cl. 275-119.)



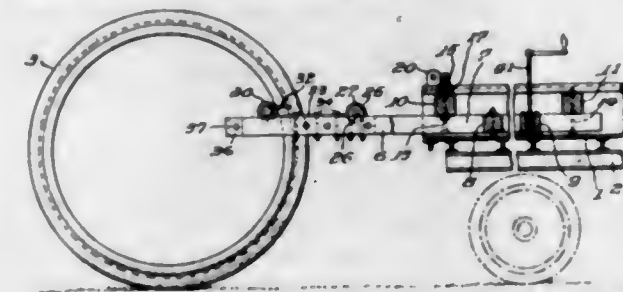
6. A game comprising a receptacle mounted upon a stand for rotation said receptacle having a centrally raised portion forming an annular run-way having its floor inwardly inclined; a member mounted on said raised portion and being provided with a plurality of sockets; a plate mounted on said raised portion having a plurality of representations of pairs of dice corresponding in position with said sockets; a ball disposed in said runway and adapted to engage said sockets; and means for rotating said receptacle.

1,520,698. MOTOR-VEHICLE BRAKE. CHRISTOPHER P. CASE, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1924. Serial No. 701,303. 24 Claims. (Cl. 303-6.)



1. In a vehicle brake, the combination with means for applying the brakes by fluid pressure at each front wheel of the vehicle, of means controlled by the turning of the front wheels for preventing an application of the brakes at one of the front wheels.

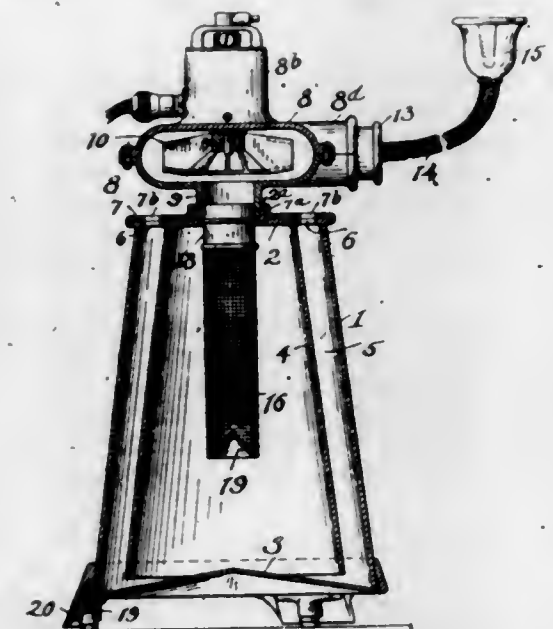
1,520,699. MEANS FOR TRANSPORTING PIPE SECTIONS OF LARGE DIAMETERS. SAMUEL C. CURRIEN, Clarksboro, N. J. Filed Feb. 21, 1924. Serial No. 694,198. 7 Claims. (Cl. 214-1.)



1. In means for transporting sections of pipe of large diameters, the combination of a vehicle, a member pivotally supported upon said vehicle and projecting from

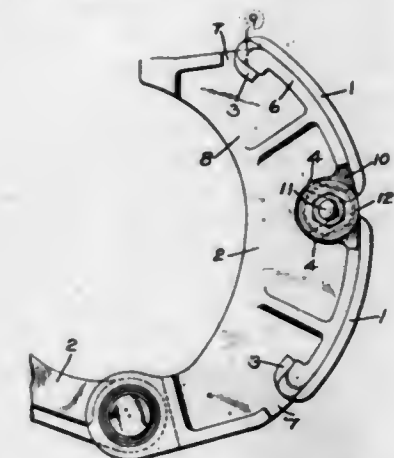
the rear thereof, and means for engaging the interior of a pipe section to connect the same with the said member whereby when the said vehicle is moved forward the said pipe section is drawn forward.

1,520,700. VAPORIZING DEVICE. FRANK C. DORMENT, Cleveland, Ohio, assignor of one-half to George J. Lowe, Cleveland, Ohio. Filed Aug. 11, 1920. Serial No. 402,884. 7 Claims. (Cl. 183-12.)



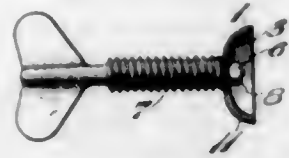
1. A vaporizing device comprising a container adapted to contain a liquid and having a top with an opening therein, a casing having a downwardly extending flange which fits within the opening in the top so that the same is removable from the container and the interior of the casing communicating with the interior of the container said casing having an air outlet, a downwardly extending cylindrical strainer carried by said flange and removable with the casing from the container, a fan within said casing said casing being provided with a sleeve portion, a motor within said sleeve portion, and means for conducting air from outside of the container to adjacent the bottom of said container.

1,520,701. BRAKE-SHOE CONSTRUCTION. SIDNEY G. DOWNS, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1923. Serial No. 680,961. 3 Claims. (Cl. 188-234.)



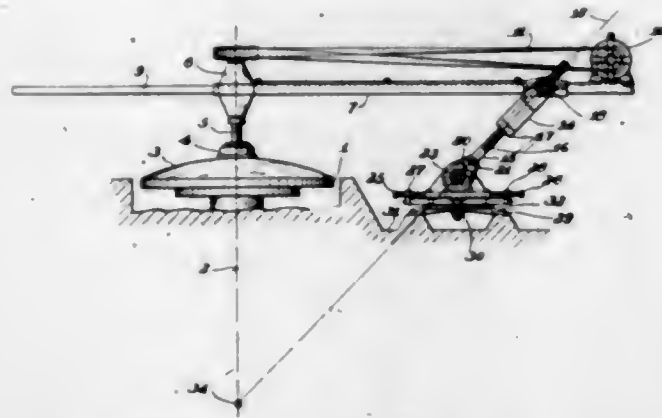
3. The combination with a brake head having an arcuate face, of two brake shoes applied to said arcuate face, each having a hooked lug at one end engaging the outer end portions of said brake head, a bolt secured to said brake head intermediate its ends, and a washer applied to said bolt and engaging inwardly turned lugs provided at the opposite ends of said brake shoes.

1,520,702. METHOD OF MAKING THUMBSCREWS AND CAPS. JOSEPH EDWARD DURHAM, JR., Allentown, Pa., assignor to Bonney Forge & Tool Works, Allentown, Pa., a Corporation of Pennsylvania. Filed Feb. 19, 1924. Serial No. 693,912. 2 Claims. (Cl. 10-10.)



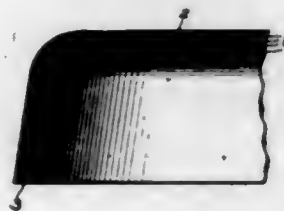
1. The method of making a thumb screw and cap which consists in forming a cap having an enlarged hole and oppositely located slots, whose walls converge outwardly, next inserting the rounded ball end of a thumb screw having a neck in juxtaposition to said ball through said hole, whereby said cap is swiveled on said neck, and forms a unitary structure therewith.

1,520,703. MACHINE FOR SMOOTHING CURVED SURFACES. GUSTAV EDWARD ERICSSON, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Substitute for application Serial No. 593,762, filed Oct. 11, 1922. This application filed Aug. 23, 1924. Serial No. 733,711. 2 Claims. (Cl. 51-55.)



1. In combination with a rotatable table adapted to carry a sheet of glass having a curved surface to be surfaced, a supporting frame over the table, a spindle mounted for rotation on the frame and substantially perpendicular to the surface of the glass means for rotating the spindle also carried by the frame, a surfacing device on the spindle, means for supporting the frame for oscillation on an axis inclined to the axis of rotation of the table and cutting such axis, and means whereby said last means may be adjusted to vary the angle of inclination of said axis of oscillation and whereby said axis may be adjusted bodily toward or from the table.

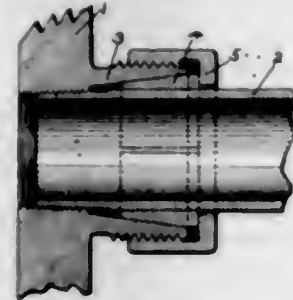
1,520,704. PISTON PACKING. CLYDE C. FARMER, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 7, 1920. Serial No. 356,894. 1 Claim. (Cl. 154-45.5.)



A cup-shaped piston packing ring comprising a plurality of united layers of packing material, each layer comprising a sheet of cotton fabric having coarse open

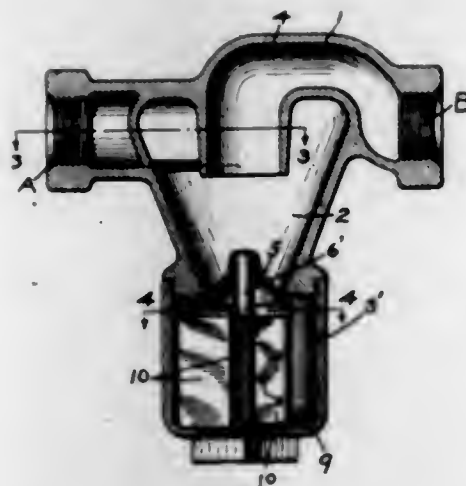
meshes and sheets of oil proof rubber composition on opposite sides of the fabric and united through the meshes of the fabric.

1,520,705. PIPE-SUPPORTING DEVICE. CLYDE C. FARMER, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 21, 1920. Serial No. 405,183. 2 Claims. (Cl. 285-25.)



1. The combination with a section of pipe having a screw-threaded end, of a member with which said pipe communicates, a sleeve rigidly secured to said member by a metal to metal point in which sleeve said pipe has pipe-screw-threaded engagement, a hard metal clamping ring for engaging the pipe to support same at a point remote from the screw-threaded end, and a nut having screw-threaded engagement with said sleeve for pressing said ring into rigid clamping engagement with said pipe.

1,520,706. CENTRIFUGAL DIRT COLLECTOR. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1921. Serial No. 515,823. 3 Claims. (Cl. 183-39.)

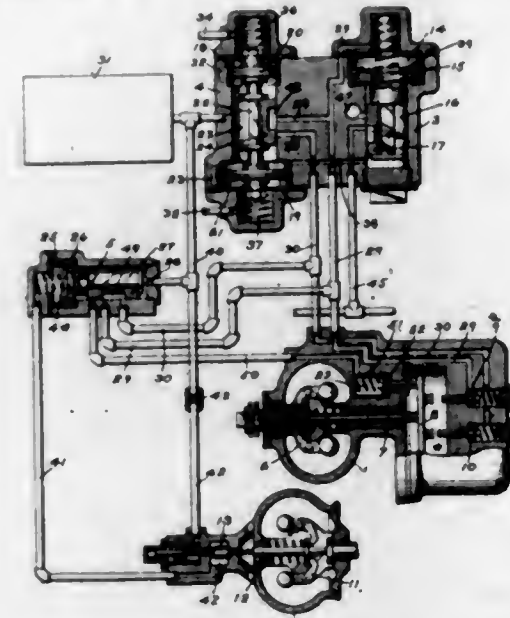


1. In a dust collector, a casing having a dust separating chamber, a dust collecting chamber, a rigid post carried by the casing, and a check valve loosely mounted on said post for controlling communication from the collecting chamber to the separating chamber.

1,520,707. SPEED-GOVERNOR DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1924. Serial No. 702,292. 4 Claims. (Cl. 303-21.)

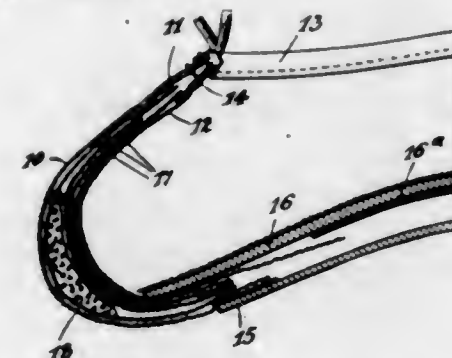
1. In a train speed control apparatus, the combination with a fluid pressure controlled valve device operative to

reduce the speed of the train, of a main speed governor, a valve operable by said governor, a safety speed



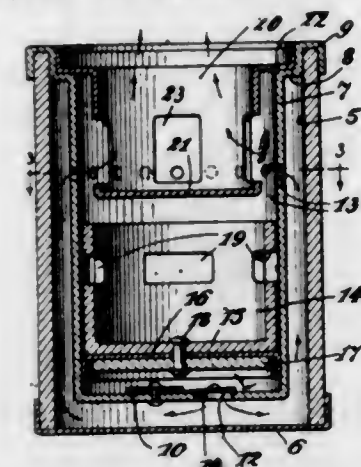
governor, and a valve device controlled by said safety governor for controlling communication from said fluid pressure controlled valve device to said valve.

1,520,708. BALLET SLIPPER. BENJAMIN GOLDSTEIN and SALVATORE MASTRARRIGO, New York, N. Y., assignors to Joseph Arale, Salvatore Mastrarrigo, and Benjamin Goldstein, all of New York, N. Y., Co-partners doing business as Ben & Sally, New York, N. Y. Filed May 9, 1924. Serial No. 711,997. 11 Claims. (Cl. 36-1.)



1. A ballet slipper for toe dancing including a substantially rigidly reinforced toe portion and resilient cushioning means associated with such toe portion.

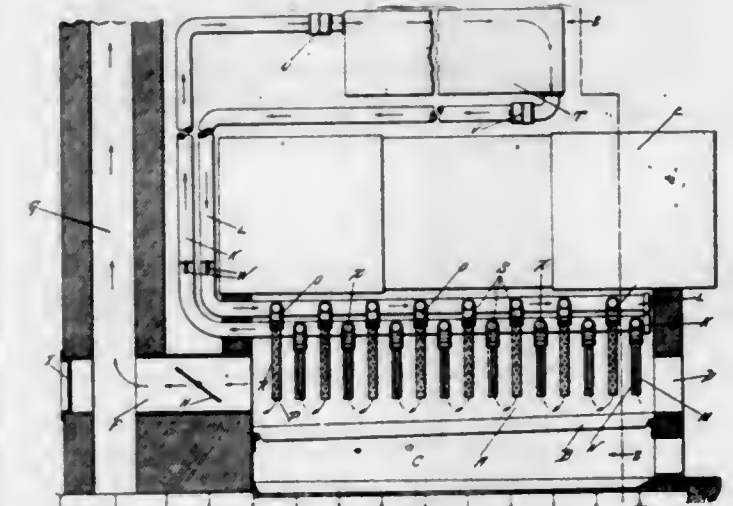
1,520,709. SOUND-PRODUCING DEVICE. LEO J. GRUBMAN, New York, N. Y. Filed Aug. 7, 1923. Serial No. 656,167. 10 Claims. (Cl. 46-46.)



8. In a casing having a sound producing device, an air receiving chamber therein and emission openings in the casing wall, an air expelling member mounted for reciprocating movement within said casing, sound produc-

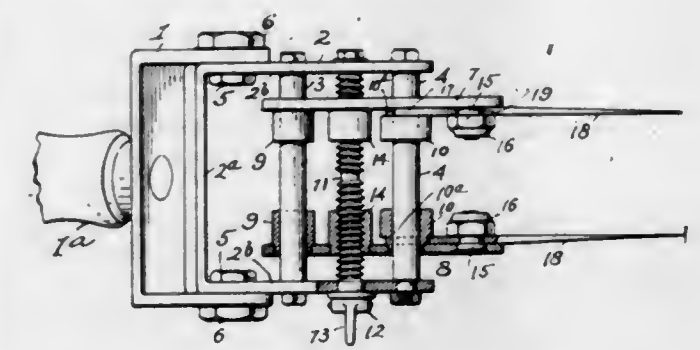
ing means through which the air is expelled from said chamber in the movement of said member in one direction, and said member being provided with means to coact with the emission openings in the wall of said casing during such air expelling movement of said member and effect the articulated emission of the sound through the latter openings.

1,520,710. COMBUSTION DEVICE. EDWARD JOSEPH GURREN, St. Louis, Mo. Filed Aug. 29, 1923. Serial No. 659,907. 5 Claims. (Cl. 110-51.)



1. In combination with a furnace having a combustion chamber therein, a tank, a flow pipe connecting said combustion chamber and said tank and adapted to cause the gases from said combustion chamber to pass into said tank, and a return pipe connecting said tank and said combustion chamber and adapted to carry said gases from said tank back into said combustion chamber, thereby causing a circulation of gases from said combustion chamber into and through said tank back to said combustion chamber, and means for preventing a circulation of said gases in the reverse direction.

1,520,711. CUTTING IMPLEMENT. CHARLES HABART, Cleveland, Ohio. Filed Nov. 9, 1921. Serial No. 513,891. 7 Claims. (Cl. 107-51.)

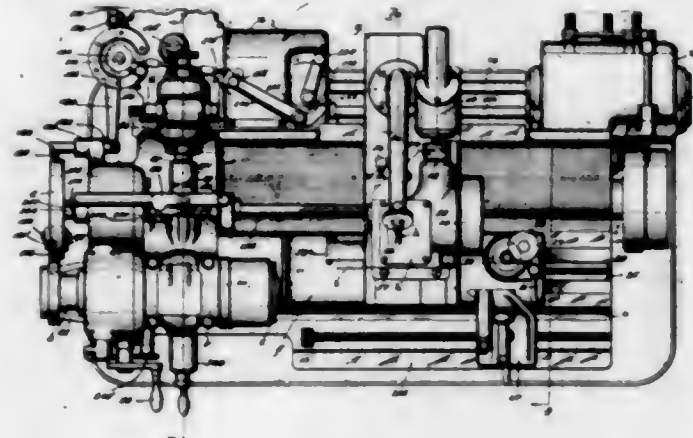


1. A cutting implement comprising a frame having side members, parallel transversely extending bars between and mounted upon the said side members, a pair of knife supports at least one of said supports being mounted to slide upon the said transverse bars, and means carried by the said members of the frame and engaging one of the knife supports to adjust the same longitudinally of the supporting bars.

1,520,712. METAL-WORKING MACHINE. BENGT M. W. HANSON, Hartford, Conn. Filed Oct. 6, 1921. Serial No. 505,864. 93 Claims. (Cl. 10-154.)

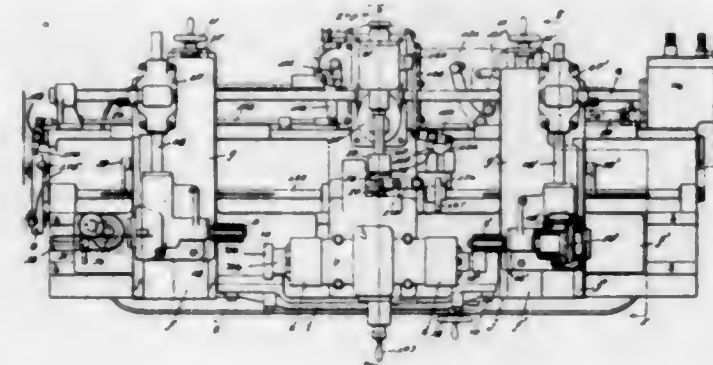
1. In a machine of the character described, a thread forming tool, a rotary work spindle, a movable support

for said tool, a rotary cam connected to said support and having a portion moving said tool into and out of operative relation to the work and a portion for moving said



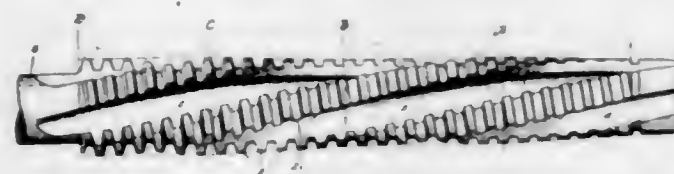
tool during the cutting operation in accordance with the pitch to be cut, and means for driving said spindle at a greater ratio of speeds than one to one.

1,520,713. MILLING MACHINE. BENGT M. W. HANSON, Hartford, Conn. Filed June 17, 1922. Serial No. 568,981. 31 Claims. (Cl. 10-154.)



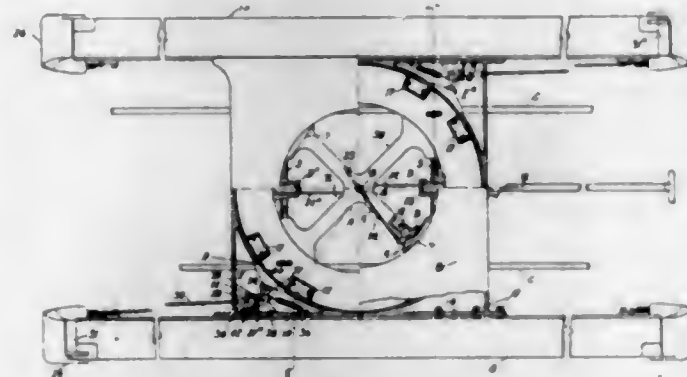
1. In a thread milling machine, a pair of longitudinally spaced apart rotary work holding devices, a pair of longitudinally spaced apart thread forming tools, automatically operated means for moving said tools longitudinally from one operative position to another relative to the respective work holding devices, then laterally, and then longitudinally during the threading operation, and means for manually adjusting said thread forming tools laterally relative to one another.

1,520,714. TAP. BENGT M. W. HANSON, Hartford, Conn. Filed Jan. 31, 1923. Serial No. 616,093. 1 Claim. (Cl. 10-141.)



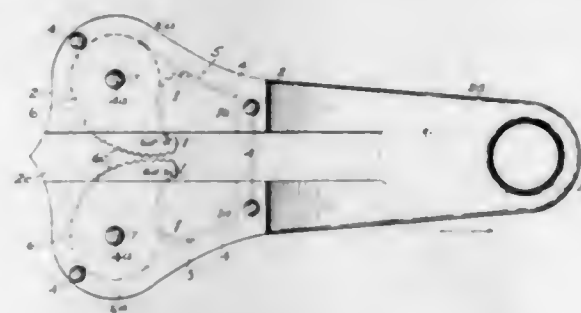
A tap having a first thread cutting portion and a second thread cutting portion for finishing the cut made by the first portion, said second portion being arranged to widen and deepen such cut, the two portions being longitudinally spaced so that the first cutting teeth of such portions are at a distance from each other not less than the length of the hole to be threaded, and non-cutting teeth being interposed between the two thread cutting portions.

1,520,715. AUTOMOBILE TURNABLE. RICHARD B. ISEMAN, Clarion, Pa., assignor, by mesne assignments, to Auto Turn Company, Clarion, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1923. Serial No. 660,376. 8 Claims. (Cl. 188-33.)



1. An automobile turntable comprising a truck provided with mobility wheels, a turret revolvably mounted on said truck, and braking means for said wheels controlled by motion of said turret with relation to said truck.

1,520,716. WIRE GRIPPER. JOHN G. JUDD, Detroit, Mich. Filed Mar. 8, 1924. Serial No. 697,804. 4 Claims. (Cl. 24-249.)



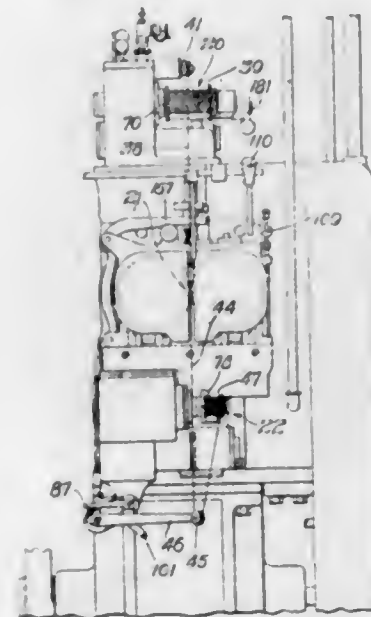
1. A wire gripper comprising a body having a hollow head divided into similar facing chambers and a reduced handle, by which the body is supported and moved when stretching a wire, a pair of oppositely facing gripping members pivoted in said chambers, the facing edges of said members projecting beyond said chambers and said members being serrated for positively gripping a wire, the serrated edges of said members adapted to contact with each other when the wire is removed, and tension means for normally and resiliently holding said members in the closed position.

1,520,717. VENTILATED CAP. ISIDOR KAPLAN, New York, N. Y. Filed Mar. 28, 1924. Serial No. 702,515. 6 Claims. (Cl. 2-176.)



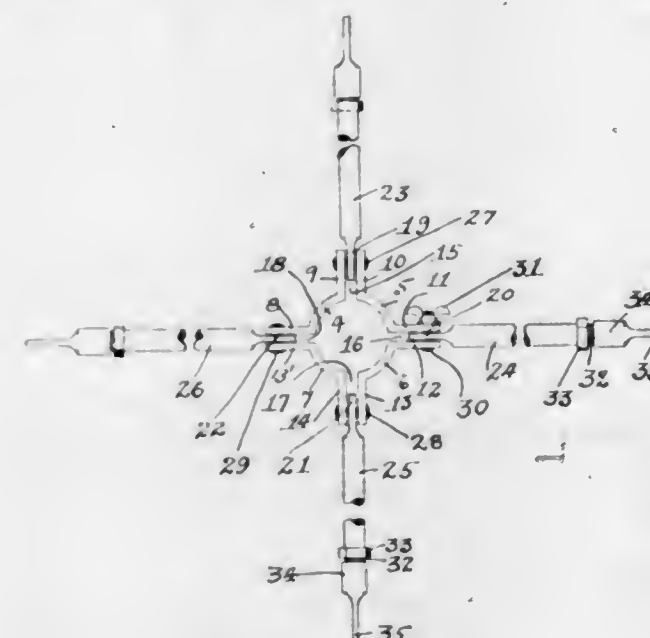
5. In a cap, a tip portion, a peak, a flexible spacing member interposed between said tip portion and said peak, a fold at the lower edge of said tip portion, a similar fold at the upper edge of said spacing member, a seam joining said edges together, a length of tape seamed to said tip portion, and said front member at said edges and a row of eyelets passing through said tape and the folded edge of said spacing member.

1,520,718. STRAND OR CORD WORKING MECHANISM. FREDERIC S. KOCHENDORFER, Newton, Iowa, and JOHN N. SELVIG, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1920. Serial No. 400,301. 35 Claims. (Cl. 80-32.)



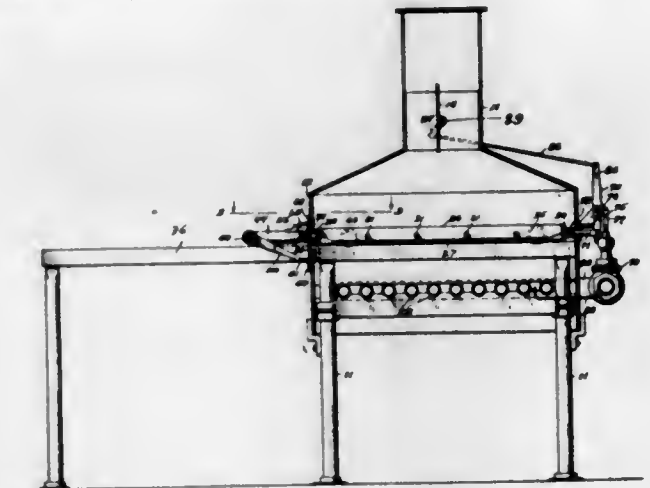
35. In a mechanism for working strands, means for working said strands, a take-up spool, a spindle therefor, driving mechanism, a friction clutch between the spindle and driving mechanism, a distributing mechanism driven from said spindle, and levers controlled by the tension of the strand for varying the pressure of the friction clutch to vary the speed of the spindle.

1,520,719. TENT STRUCTURE. GEORGE J. PILKINGTON, Chicago, Ill., assignor to United States Tent & Awning Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 9, 1922. Serial No. 605,928. 5 Claims. (Cl. 135-4.)



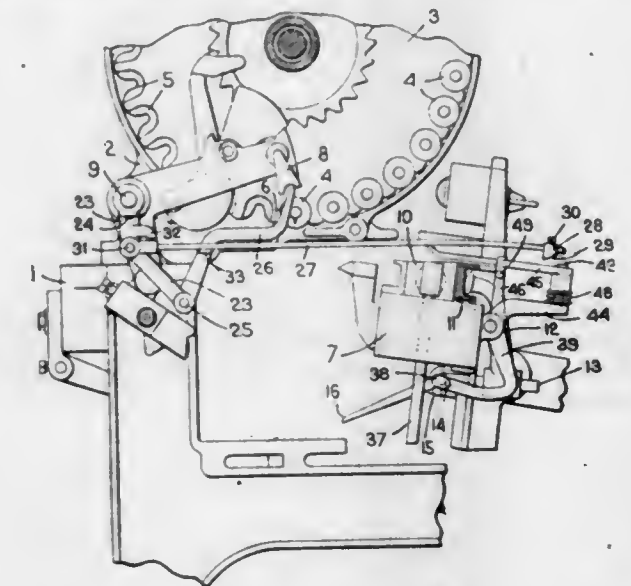
1. A tent of the kind described, embodying therein, a pole, a split collar longitudinally adjustable on said pole, a plurality of arms pivotally connected to the collar, and means for drawing the collar together at the split to clamp the collar to the pole.

1,520,720. PLATE BURNING OR DRYING APPARATUS. FRANK T. POWERS, Little Neck, N. Y. Filed Mar. 6, 1922. Serial No. 541,618. 32 Claims. (Cl. 263-2.)



1. A print heater including a furnace, a support extending from outside of said furnace to the interior thereof, and a reticulated print carrier mounted upon said support for movement thereon into and out of said furnace.

1,520,721. AUTOMATIC FILLING-REPLENISHING LOOM. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 23, 1924. Serial No. 694,505. 8 Claims. (Cl. 139-290.)

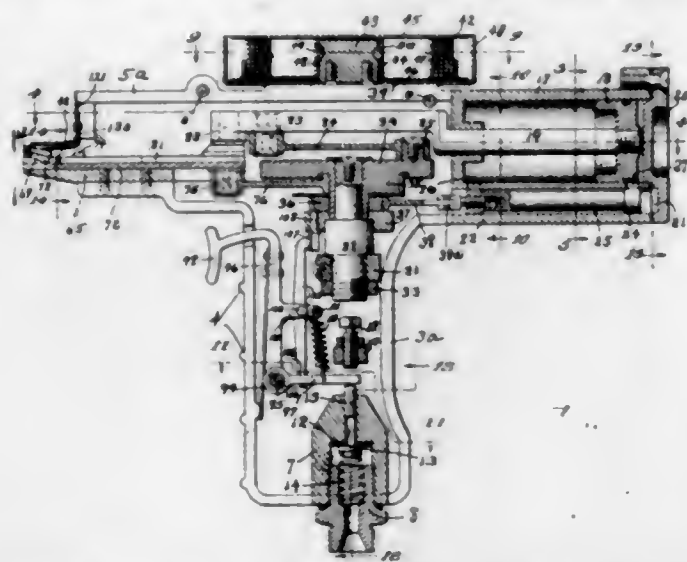


1. An automatic filling replenishing loom comprising a hopper containing a supply of fresh filling carriers for successive transfer to the lay, means for detecting a predetermined depletion of said supply, loom stopping means, protector mechanism acting to effect actuation of the loom stopping means upon the failure of the shuttle to box properly, and means controlled by the detecting action of the detecting means acting to prevent the shuttle from boxing properly and thereby to render the protector mechanism operative to effect the actuation of the loom stopping means.

1,520,722. FASTENER MAKING AND DRIVING TOOL. PAUL RISSMAN, Detroit, Mich. Filed Jan. 16, 1922. Serial No. 529,730. 14 Claims. (Cl. 1-2.)

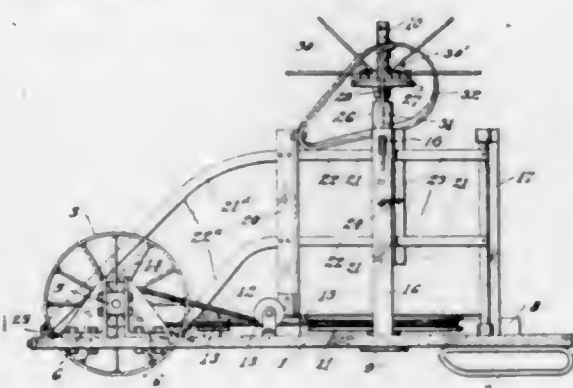
1. In a staple forming and driving tool, a case, a staple forming mechanism and a staple driving device, said staple forming mechanism comprising a normally stationary member adapted to extend into the path of the staple driving device and a movable member adapted

to bend wire around the normally stationary member to form a staple and then lift the stationary member out of the path of the driving device, and means to actu-



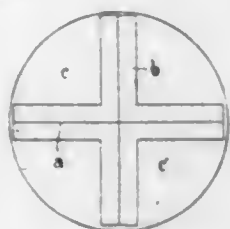
ate said members consecutively, comprising a pneumatic motor and manually operated means to control the operation of the motor.

1,520,723. CORN HARVESTER. CLARENCE M. RUD-
DUCK, Springfield, Ohio. Filed Apr. 18, 1922. Serial
No. 555,080. 2 Claims. (Cl. 56-96.)



1. In a machine of the character described, a supporting frame, a vertical shaft supported by said frame, a disk having a circular cutter on its periphery secured to said shaft together with means for rotating said disk, a head carried at the upper end of said shaft, means for attaching said head to said shaft at different points so that said head may be adjusted as to height with relation to said disk, a series of arms pivoted to said head, said arms cooperating with said disk to convey the severed stalks to a point of discharge, an inclined track upon which said arms ride arranged to lift the arms from the stalks near the point of discharge, and means for adjusting the height of said track.

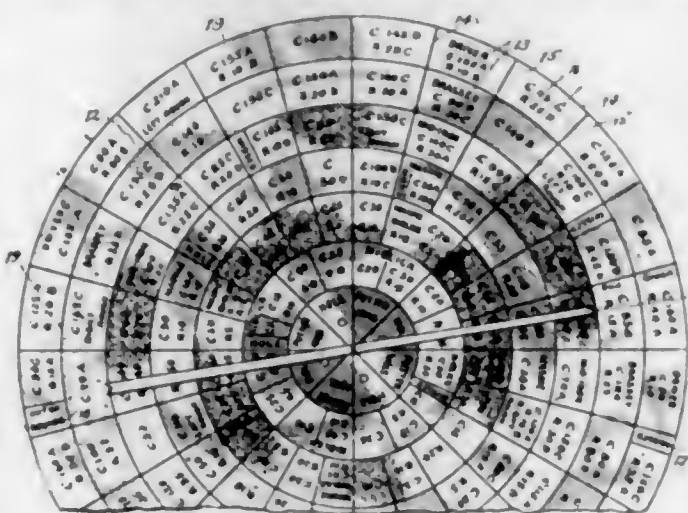
1,520,724. ELECTRODE OF ACCUMULATORS. OTTO
SCHNEIDER, Dresden, Germany. Filed Dec. 8, 1919.
Serial No. 343,445. 1 Claim. (Cl. 204-29.) (Grant-
ed under the provisions of the act of Mar. 3, 1921,
41 Stat. L. 1313.)



An accumulator of the character described comprising a jar for receiving an electrolyte, and a pair of irregularly shaped electrodes arranged within the jar with

relatively large and extensive active faces, the outer electrode being hollow and conforming in shape to the inner electrode and closely spaced apart therefrom to obtain maximum electrolytic action.

1,520,725. INDICATOR FOR INDOOR GOLF GAMES.
WALTER H. SEAGRAVE, Cleveland, Ohio. Filed Feb. 28,
1920. Serial No. 362,080. 2 Claims. (Cl. 273-87.)

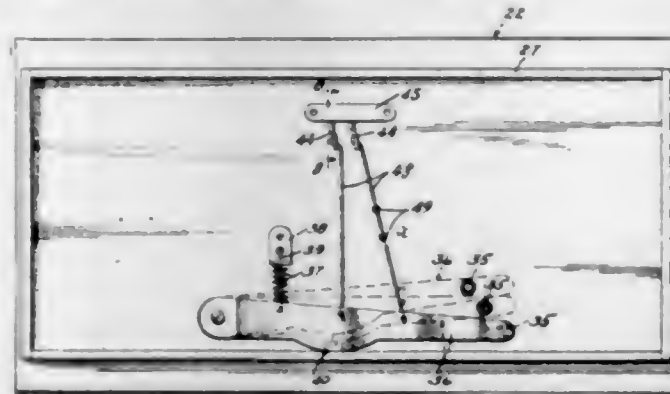


1. An indicator or distance determining device forming a part of an indoor golf game and comprising a disk with a central spinner, said disk having radially disposed divisions pertaining to different golf clubs and being divided circumferentially into suitable marked or designated distance spaces, at least part of which have data to indicate the distance covered by the flight or carry of the ball, and the distance covered by the rolling of the ball.

1,520,726. PROCESS FOR PURIFYING GASES. JOSEPH A. SHAW, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 8, 1921. Serial No. 520,789. Renewed May 19, 1924. 4 Claims. (Cl. 23-10.)

1. The process of purifying gases which consists in: passing the gas into contact with an absorbent solution constituted of dissolved alkali to absorb sulphur from the gas; then bringing the solution containing the absorbed impurities into contact with a bed of an iron compound, whereby a reaction occurs in which sulphur is transferred from the alkali to the iron, with formation of iron sulphide; then discharging the rejuvenated alkali solution for employment for further gas purification; and subjecting the iron sulphide in the bed to aeration to remove the sulphur and to restore the iron to a state for effecting further absorption of sulphur; substantially as specified.

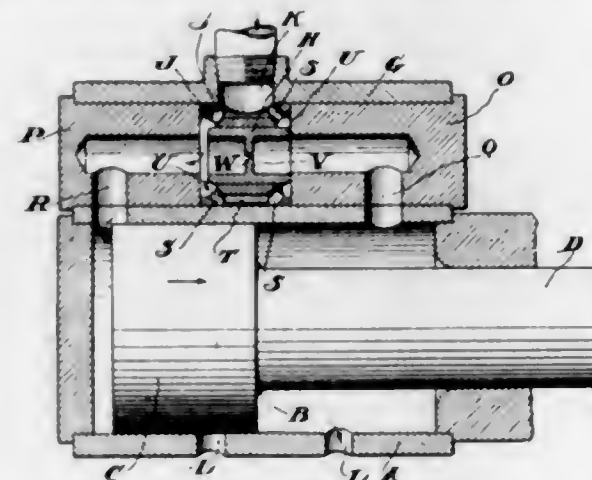
1,520,727. COMPUTING MACHINE. MATTHEW S. P. PERT, Bentley, N. Dak. Filed May 19, 1920. Serial No. 382,516. 5 Claims. (Cl. 235-22.)



1. A computing machine having in combination, a cabinet having a plurality of drawers each having a locking plate thereon, a lock bolt for each plate, a plunger for

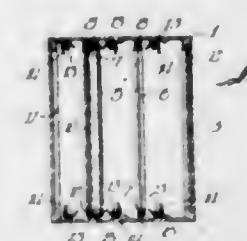
each bolt operatively connected thereto to withdraw the same, all of said plungers having free ends disposed substantially in one plane, a movable member adapted to align with any one of said plungers, and an operating means for depressing said member to depress any one of said plungers and release the corresponding drawer.

1,520,728. FLUID-ACTUATED INLET VALVE FOR
ROCK DRILLS. FRED M. SLATER, Easton, Pa., as-
signor to Ingersoll-Rand Company, Jersey City, N. J.,
a Corporation of New Jersey. Filed Dec. 6, 1921.
Serial No. 520,845. 1 Claim. (Cl. 121-18.)



In a fluid actuated rock drill, the combination with a cylinder and reciprocating piston of a valve chest having a hollow cylindrical fluid actuated valve of uniform external diameter therein controlling only the inlet supply, said valves having a smooth unbroken periphery and a transverse internal web, supply passages leading from each end of the valve chest to corresponding ends of the cylinder, a free exhaust port controlled by the piston and a small longitudinal port extending through the internal web of the valve permitting the flow of motive fluid through the valve from end to end, first in one direction and then in the other, to assist or hasten the compression in that end of the cylinder last opened to exhaust.

1,520,729. ILLUMINATED SIGN. FREDERICK J. STOEWSAND, Chicago, Ill., assignor to The Twin Electric Sign Company, a Common Law Company. Filed Dec. 4, 1922. Serial No. 604,701. 3 Claims. (Cl. 40-132.)

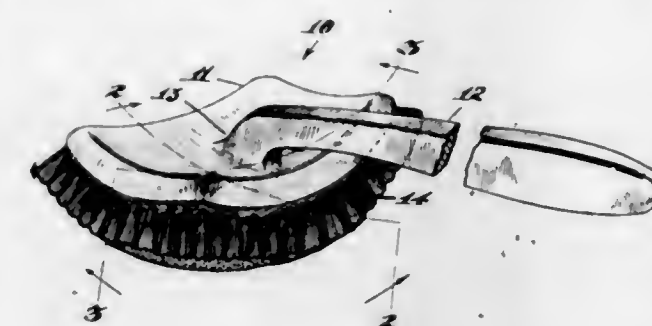


1. In a sign of the class described, the combination with a plurality of perforated screens, of coating material applied to one face of each of the screens and visible from one side thereof but not clogging the screens, an illuminated back ground behind the screens, and means at the edges of the screens and invisible from the front of the sign for separately illuminating the face of each of the screens.

1,520,730. TOOTHBRUSH. JOHN A. STREET, Los Angeles, Calif. Filed Jan. 15, 1923. Serial No. 612,656. 1 Claim. (Cl. 15-167.)

A toothbrush comprising a plate of substantially rectangular outline, bristles mounted in said plate and hav-

ing their free ends terminating in a working surface that is convex both transversely and longitudinally of the



plate, and a handle projecting from the central portion of the back surface of the plate and rigidly connected with the latter.

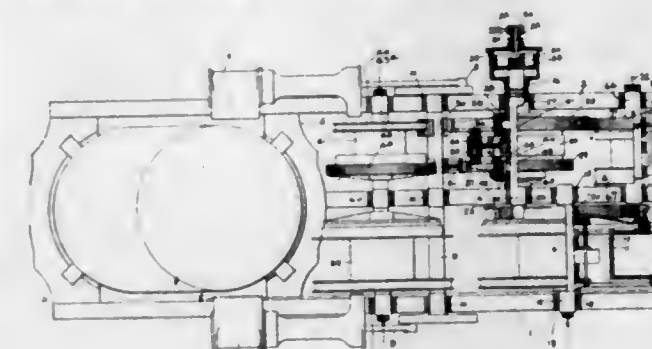
1,520,731. PROCESS OF COATING FERRIC ARTICLES WITH A METALLIC PROTECTIVE. GEORGE K. THOMPSON, Summit, and JOSEPH ECKERT, Jr., Maurer, N. J., assignors to Hoyt Metal Company, St. Louis, Mo., a Corporation of Missouri. Filed June 12, 1922. Serial No. 567,822. 3 Claims. (Cl. 91-70.2.)

1. The process of coating ferric articles which comprises applying a flux to the surfaces of the articles, immersing said articles in a bath containing molten lead as a major ingredient, withdrawing said articles from said bath, and then immersing said articles in a bath of molten waxy material.

1,520,732. PROCESS OF COATING FERRIC ARTICLES WITH A METALLIC PROTECTIVE. GEORGE K. THOMPSON, Summit, and JOSEPH ECKERT, Jr., Maurer, N. J., assignors to Hoyt Metal Company, St. Louis, Mo., a Corporation of Missouri. Filed June 12, 1922. Serial No. 567,823. 3 Claims. (Cl. 91-70.2.)

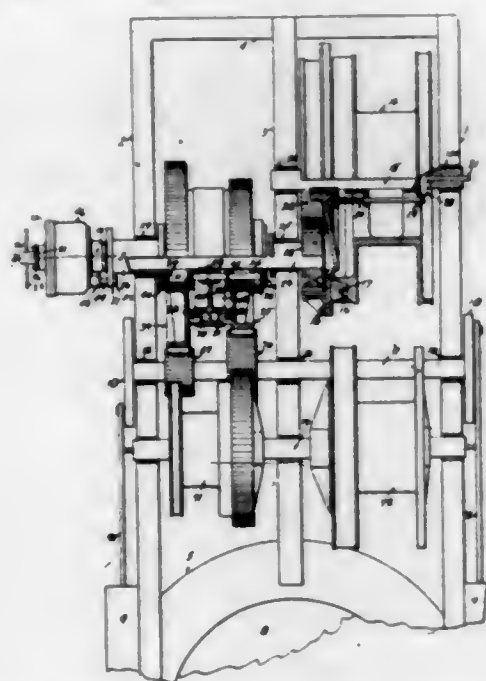
1. The process of coating ferric articles which comprises applying a flux to said articles, immersing them in a bath containing molten lead as a major ingredient, then cooling said articles, again applying a flux to the surfaces of said articles and immersing them in a bath containing molten lead as a major ingredient, withdrawing said articles from the last mentioned bath, and then immersing said articles in a bath of molten waxy material.

1,520,733. CLUTCH MECHANISM. HARRY L. TURNEY, Portland, Ore. Filed Dec. 2, 1919. Serial No. 341,954. 9 Claims. (Cl. 192-87.)



1. In a clutch mechanism, the combination of a shaft, bearings for said shaft; two gearings mounted on the shaft; drivers mounted on the shaft; clutches between the drivers and gearings; actuating mechanism on the end of the shaft; means communicating the movement of the mechanism through a bearing and without the shaft to the clutches positively in both directions to set and release the clutches, said means and the shaft being directly opposed from the mechanism to the clutches in sustaining the thrust of the mechanism.

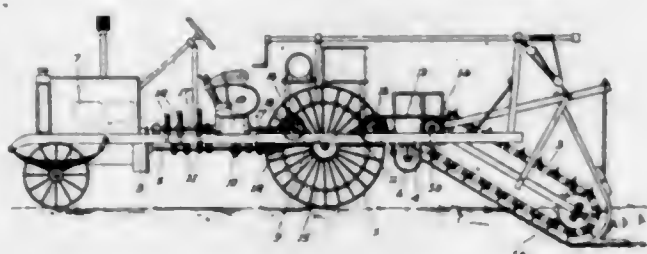
1,520,734. DRIVING MECHANISM. HARRY L. TURNER, Portland, Oreg. Filed Oct. 13, 1920, Serial No. 416,599. Renewed Sept. 25, 1924. 10 Claims. (Cl. 192—87.)



1. In a driving mechanism, the combination of a clutch mechanism; a shaft on which the clutch mechanism is mounted; a sleeve forming a bearing for the shaft and acting on the clutch mechanism; a bearing for the sleeve; a cylinder mounted on the shaft at the opposite side of the bearing from the clutch mechanism; a piston in the cylinder; and rods connecting the piston with the sleeve.

3. In a driving mechanism, the combination of a clutch mechanism; a motor operating the clutch mechanism comprising a rotating cylinder; an inlet pocket having ports leading to the opposite ends of the cylinder; and a stationary nozzle extending into the pocket having two inlet passages opening in spaced relation axially into the pocket and connecting with the ports.

1,520,735. DITCHING MACHINE. THOMAS B. WEAS, Stockton, Calif. Filed Sept. 4, 1923. Serial No. 660,663. 2 Claims. (Cl. 37—90.)

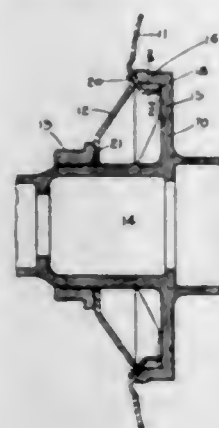


1. A ditching machine having supporting wheels, a digging element and a power plant, a primary shaft connected in direct driving relation between the power plant and the digging element, a secondary shaft arranged in driving relation with the primary shaft and with the supporting wheels, and a change speed transmission gearing element interposed in the secondary shaft between its driving connection with the first shaft and the wheels, whereby the speed at which the wheels are driven relative to the speed of the digging element may be varied at will.

1,520,736. DISK WHEEL. JOHN W. WHITE, Buffalo, N. Y. Filed Nov. 24, 1922. Serial No. 603,077. 5 Claims. (Cl. 301—63.)

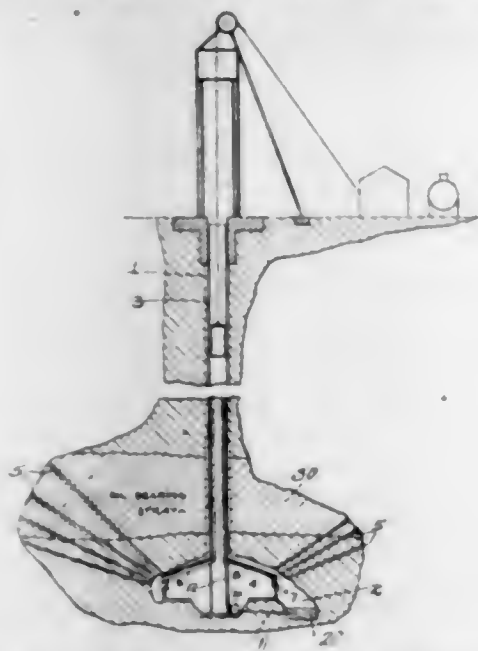
1. In a disk wheel the combination of a hub, a radial flange thereon, an annular flange projecting from said

radial flange, one face of said annular flange being provided with corrugations, a disk having an inner peripheral flange corrugated conversely to said annular



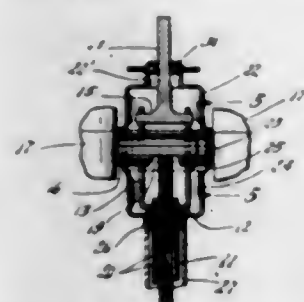
flange such corrugated surfaces being in mesh when the wheel is assembled and means for holding said disk and hub assembled.

1,520,737. METHOD OF INCREASING OIL EXTRACTION FROM OIL-BEARING STRATA. ROBERT L. WRIGHT, Fort Dodge, Iowa. Filed Apr. 26, 1924. Serial No. 709,098. 6 Claims. (Cl. 160—21.)



1. The method of increasing oil extraction from a well comprising the formation of a well casing extending below the oil containing strata forming a chamber around the bottom of said casing, running a series of radially extending channels laterally and inclined upwardly from said chamber into the oil bearing strata.

1,520,738. ELECTRIC LIGHT. LOUIS YARLIN, Chicago, Ill. Filed Oct. 18, 1923. Serial No. 669,231. 14 Claims. (Cl. 240—78.)



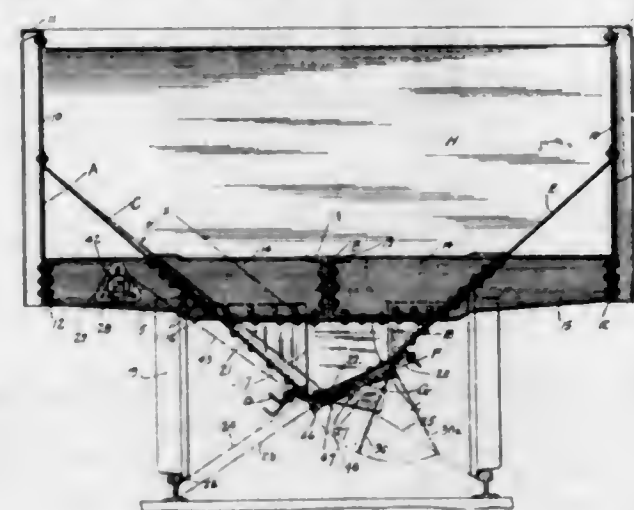
1. In an electric light, a plurality of parallel members with light sockets mounted on the outer end of each, and means for moving and adjusting said sockets in unison and at an equal inclination by applying force to any one of them.

1,520,739. FASTENER. CARL E. ZETLITZ, Chicago, Ill. Filed June 4, 1921. Serial No. 475,059. 1 Claim. (Cl. 24—81.)



As a new article of manufacture, a collar clip comprising inner and intermediate members resiliently connected at their upper ends and adapted to receive and grip a shirt band between them, and an outer member of a substantially greater length than the intermediate and inner member connected to the lower end of the inner member by an expanded loop and adapted with the intermediate member to resiliently grip the collar band, and having its outer face convexly curved transversely to facilitate the slipping of a necktie in the collar and having the inner face of its upper end flared outwardly to hold the collar in spaced relation to the collar band so as to facilitate the entrance of the collar band between the intermediate and outer members, said inner member having its free end extended and curved adjacent the expanded loop to conform thereto so as to prevent the shirt band from slipping when engaged by the inner and intermediate members.

1,520,740. CENTER-DUMPING BALLAST CAR. ALBERT E. ZIMMER, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1923. Serial No. 645,713. 9 Claims. (Cl. 105—250.)

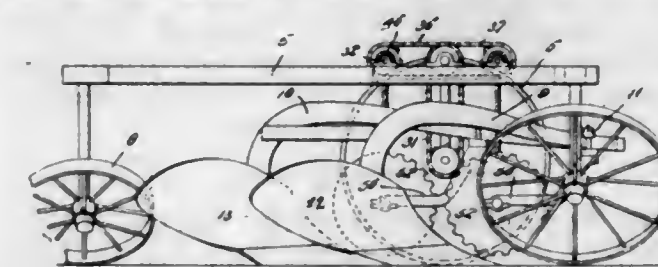


1. In a car of the character described having a single center sill, the combination with side walls; of oppositely inclined side hopper bottom walls; and a longitudinally extending hopper door hinged to the terminal edge of one of the side hopper bottom walls and adapted to meet the terminal edge of the oppositely inclined bottom wall, thereby forming a hopper, the apex formed by the meeting of the door and stationary side hopper bottom wall being disposed to one side of the longitudinal center of the car.

1,520,741. POWER-DRIVEN COLTER. FRANK D. ADAM, Bellwood, Nebr. Filed Dec. 15, 1923. Serial No. 680,915. 4 Claims. (Cl. 97—40.)

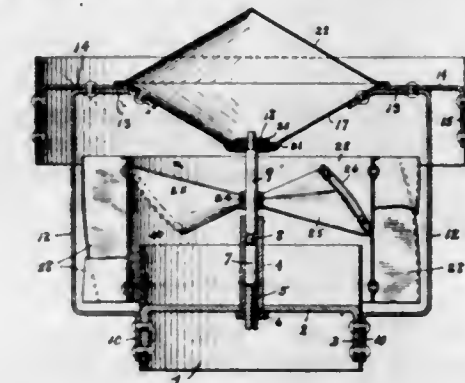
1. In combination with a plow embodying a frame provided with supporting wheels and wherein plow shares are provided with beams attached to the frame to be drawn thereby, a disc colter mounted in advance of each of said plow shares, means operatively connecting said disc colter with one of the frame supporting wheels for causing positive rotation of the colter upon

forward travelling movement of the plow, said one supporting wheel having a crank axle embodying an outwardly directed lower horizontal portion of tubular form, a drive shaft journaled in the tubular portion of the axle and having its outer end keyed to the outer end



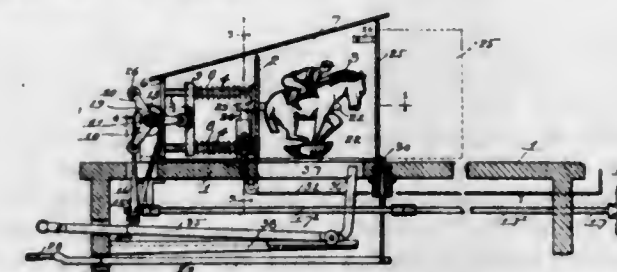
of the hub of said one supporting wheel to form part of the operative connection between said one wheel and the colters, said operative connection comprising gearing between the inner end of said drive shaft and the colters.

1,520,742. VENTILATOR. ANTHONY M. BASMAN, Detroit, Mich. Filed June 26, 1922. Serial No. 570,982. 1 Claim. (Cl. 98—2.)



In a ventilator, the combination of a vertical thimble, a frame mounted thereon, a vertical shaft rotatably mounted in the frame, means mounted on the shaft to cause movement of air through said thimble and embodying a cylindrical drum and inclined blades attached thereto, said drum extending down around the upper end of said thimble, a series of vanes inclined to the axis of the ventilator and spaced throughout their length and attached to the outer surface of the drum whereby ascending currents of air may rotate the drum and shaft, a cylindrical band of greater diameter than the outer circle of the vanes carried by the frame above the upper end of the drum, and a downwardly tapering cone supported by the frame above the drum and spaced therefrom to permit the outward and upward passage of air.

1,520,743. GAME APPARATUS. CHARLES E. BEDAUX, Cleveland, Ohio. Filed Apr. 14, 1922. Serial No. 552,702. 4 Claims. (Cl. 273—128.)

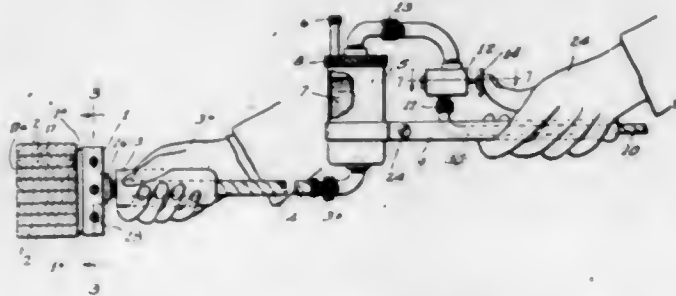


1. In game apparatus; a projectile; a projector therefor releasably held against operative movement; a spring pressing the projector in its operative movement; a turnably mounted arm adapted to be turned to increasingly tension the spring and freely turnable by the spring to release the same from a predetermined tension; a turnably mounted element adapted to engage the arm and turn the same in its spring-tensioning movement.

1,520,744. BATH FOR HEAT-TREATING METALS. ARTHUR E. BELLIS, New Haven, Conn.; assignor to The Bellis Heat Treating Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1923. Serial No. 640,075. 4 Claims. (Cl. 148-15.)

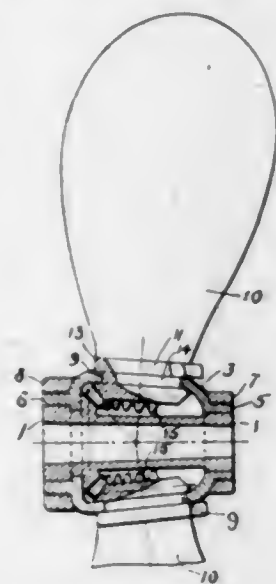
1. A mineral salt bath composition for the heat treatment of metals consisting of an essentially non-hygroscopic stable mixture of a chloride and a carbonate possessing a relatively wide range of working temperatures without appreciable vaporization.

1,520,745. PRESSURE-LUBRICATING DEVICE. JUNIUS A. BOWDEN, Los Angeles, Calif. Filed Aug. 18, 1923. Serial No. 658,165. 9 Claims. (Cl. 221-47.)



1. A pressure lubricating device, comprising an elongated nozzle having a cushion border projecting laterally and longitudinally of the discharge opening in the nozzle, means adapted for connecting the nozzle to a source of lubricant supply.

1,520,746. PROPELLER. FRED F. BOYCE, Portland, and CHARLES B. RUTLEDGE, South Portland, Me. Filed June 29, 1923. Serial No. 648,633. 2 Claims. (Cl. 170-162.)

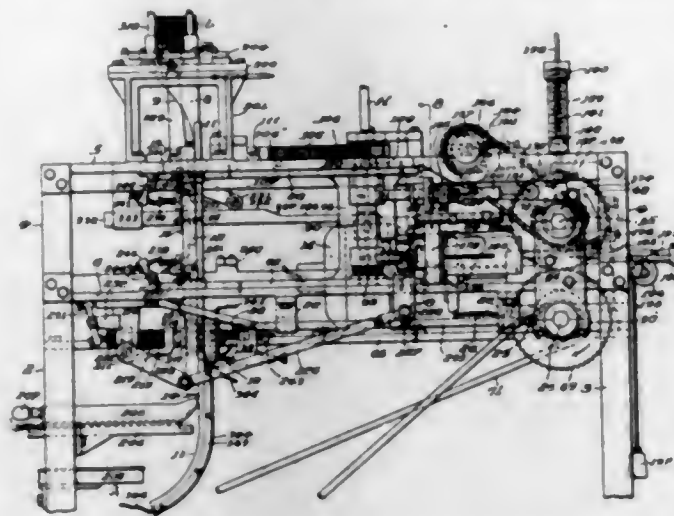


1. In a feathering and reversing propeller the combination of a shaft, a main bevel gear thereon, a casing inclosing said gear and connected to rotate with said shaft and said casing having laterally of said shaft a plurality of bearings, propeller blades having their inner ends journaled in said bearings and each blade projecting more on one side of the center line than the opposite side, each of said blades having a bevel gear on its inner end engaging said main bevel gear, and stops for holding said blades in their go-ahead and reverse positions.

1,520,747. LABELING AND WAXING MACHINE. MARTIN E. BRIGHAM, Philadelphia, Pa. Filed Dec. 28, 1922. Serial No. 609,402. 47 Claims. (Cl. 216-1.)

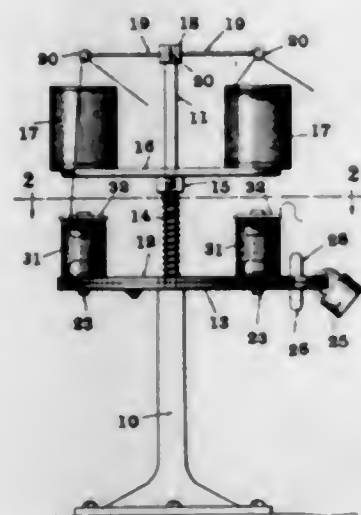
1. A machine for labeling and waxing lids comprising means for guiding the lids, means for supplying paste,

means for holding the labels, means for carrying paste from the paste supplying means to the lids, means for



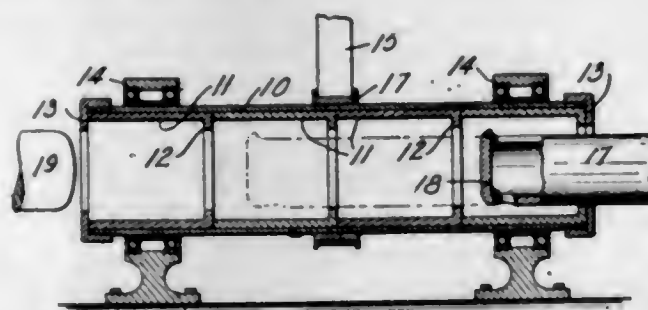
carrying the labels from the label holding means to the lids, and means for supplying a coating of wax or the like to the lids.

1,520,748. SPOOL HOLDER. HARVEY F. BROWN, St. Louis, Mo., assignor to Curlee Clothing Company, St. Louis, Mo., a Corporation of Missouri. Filed May 29, 1924. Serial No. 716,592. 7 Claims. (Cl. 242-139.)



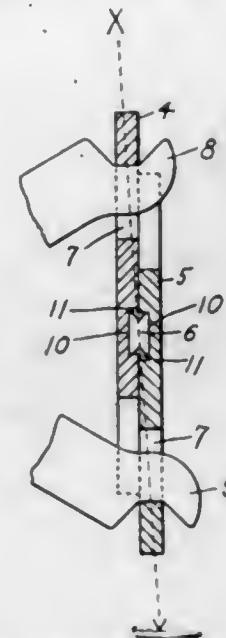
1. In a device of the class described, the combination with a support, of a thread guide, a plurality of vertical spool holding devices each provided at its upper end with a retaining head, means for detachably securing said devices to the support, and means for positioning a selected spool under the thread guide.

1,520,749. ANTIFRICTION BEARING. ABEL L. BROWNBIGG, East Orange, N. J. Filed Mar. 31, 1923. Serial No. 629,003. 8 Claims. (Cl. 22-65.)



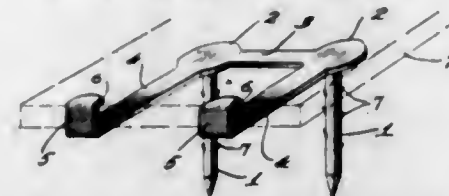
1. As a new article of manufacture, a bearing formed of intermixed metal and graphite, the graphite being concentrated mainly at the wear surface.

1,520,750. FUSIBLE LINK. WILLIS K. HODGMAN, Taunton, Mass.; Emma A. Hodgman executrix of Willis K. Hodgman, deceased. Filed Feb. 28, 1920. Serial No. 362,067. 2 Claims. (Cl. 169-42.)



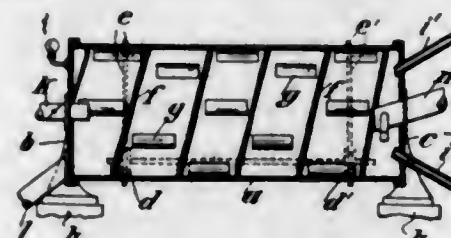
1. A fusible link comprising two plates, each having a similar transverse channel substantially rectangular in cross section with its bottom parallel to the face of the plate, and a fulcrum block of substantially less width over all than the width of each channel of a thickness substantially equal to the combined depth of the channels, having its edges grooved longitudinally, and symmetrical with respect to a plane midway its thickness, whereby in assembling the link the fulcrum block is reversible endwise or edgewise for positioning in the chamber formed by the channels of the plates placed face to face.

1,520,751. ROOFING NAIL. HARRY H. HONIGBAUM, Richmond Hill, N. Y. Filed Feb. 20, 1922. Serial No. 537,773. 3 Claims. (Cl. 108-33.)



1. A roofing nail embodying a plurality of parallel shanks, a head associated with each shank, a web connecting adjacent heads and integral therewith for maintaining the shanks in parallel relation, arms extending in parallel relation from the respective heads and in substantially perpendicular relation to the respective shanks, and a curled keeper integral with each arm and terminating in a relatively sharp point, which curled keepers are adapted to receive the weather edges of composition shingles in such manner that the sharp points thereof will be impressed into the shingles.

1,520,752. PROCESS FOR THE RECOVERY OF PETROLEUM. WILHELM HORWITZ, Berlin, Germany. Filed Feb. 27, 1920. Serial No. 361,681. 1 Claim. (Cl. 196-14.)



The herein described method for the recovery of petroleum from oleiferous sand and other oleiferous minerals, consisting in boiling the oleiferous sub-

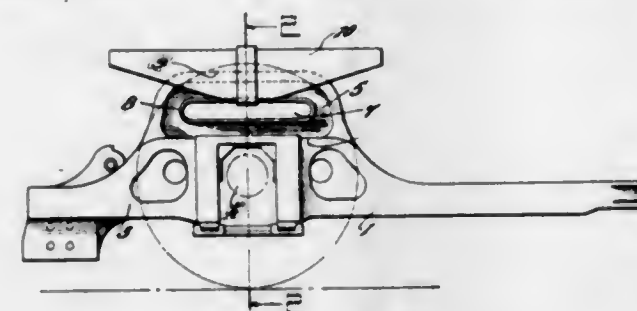
stance with water under pressure, and simultaneously stirring the mixture by jets of hot water under pressure introduced tangentially into said mixture.

1,520,753. DENTAL CLAMP ATTACHMENT. JAMES W. IVORY, Philadelphia, Pa. Filed Aug. 18, 1923. Serial No. 658,018. 2 Claims. (Cl. 32-20.)



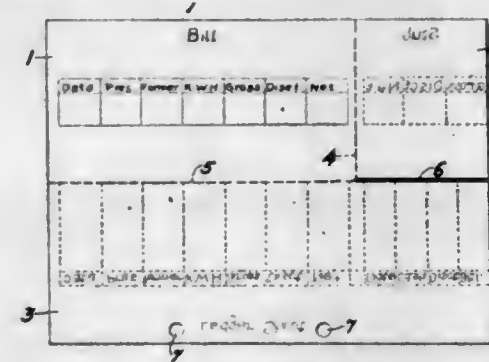
1. A dental clamp comprising a pair of jaws each provided with a substantially broad supporting surface, a bow secured to and connecting said supporting portions and an auxiliary jaw separate from and secured upon said supporting surface said auxiliary jaw comprising a spring-like support of less power than said bow, whereby the pressure of said jaws on the tooth is equalized and a stiffer and firmer grip of the clamp on the tooth is provided.

1,520,754. TRAILER TRUCK. EDWIN C. JACKSON, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Oct. 13, 1923. Serial No. 668,382. 8 Claims. (Cl. 105-174.)



1. In a truck frame having a journal receiving recess, a frame portion extending over said recess adapted to carry movable body supporting elements and provided with a transverse opening adapted to permit passage therethrough of said elements.

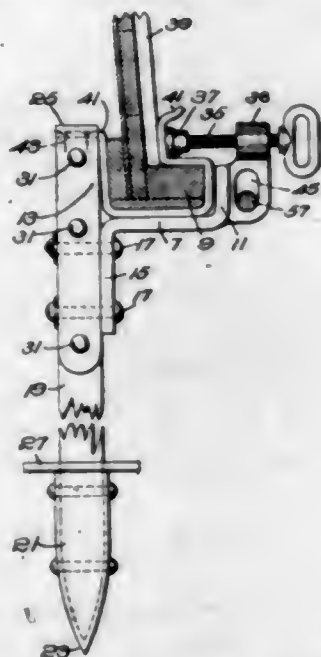
1,520,755. INVOICE SHEET. WILLIAM ASHLEY KELLY, Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 7, 1922. Serial No. 586,581. 3 Claims. (Cl. 283-66.)



1. A multiple-part entry-sheet of symmetrical substantially rectangular shape comprising a bill-part having suitable item-designations thereon, a lateral stub-part of the same length as the bill-part and having one of its sides detachably joined along a vertical line of folding to one of the sides of the bill-part, and a record-part, hav-

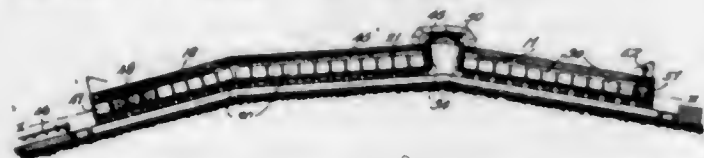
ing item-designations thereon corresponding with the item-designations on the bill-part, detachably joined along a transverse line of folding to the corresponding end of the bill-part throughout the width of the latter, and having an extension coterminous with but unconnected to the adjacent end of the stub-part, so that when the entry-sheet is flat the record-part will be equal in width to the combined widths of the bill-part and stub-part, the stub-part being foldable along said vertical line of folding into superimposed relation with the bill-part, and the record-part being foldable along said transverse line of folding into superimposed relation with the bill-part and the folded stub-part, but with said extension of the record-part projecting beyond the folded stub-part, so that all of said sheet-parts may be typed at the same time in their folded condition to reproduce corresponding items upon their superimposed portions, and so that subsequently the record-part and the stub-part may be separately detached from the bill-part along said lines of folding.

1,520,756. CANOE SUPPORT AND SHELTER. EDWARD C. KEMPER, Washington, D. C. Filed June 28, 1921. Serial No. 481,140. 16 Claims. (Cl. 135-1.)



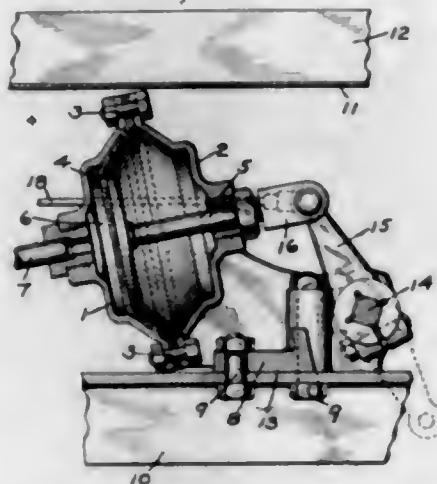
1. The combination with a canoe of the type having inwardly projecting substantially flat sided gunwales, of supporting means therefor for holding said canoe entirely clear of the ground, said means comprising a plurality of posts, and means carried by said posts on which the gunwales of said canoes are adapted to rest.

1,520,757. CHANNEL OVEN. HEINRICH KOPPERS, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 7, 1921. Serial No. 483,050. 7 Claims. (Cl. 25-142.)



1. A channel oven for burning ceramic articles and the like, consisting of a continuous chamber providing preheating and burning chambers; a cooling chamber spaced apart from said continuous chamber; means for closing and opening the contiguous ends of said continuous and cooling chambers; means for delivering the heated air from the cooling chamber to the preheating chamber; and means for conveying articles through said three chambers.

1,520,758. VEHICLE BRAKE DEVICE. GEORGE S. LANE, San Francisco, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 23, 1921. Serial No. 517,210. 1 Claim. (Cl. 188-151.)



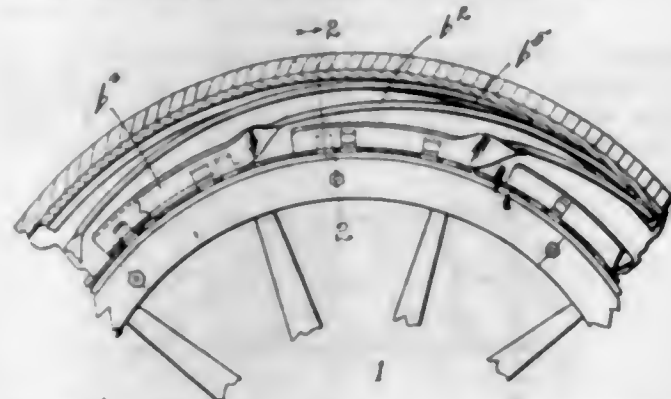
A fluid pressure brake cylinder for motor vehicles comprising a casing, a flexible diaphragm mounted in said casing, a bracket carried by the casing, a rock shaft mounted in said bracket, an arm secured to said shaft and operatively connected to said diaphragm, an adjustable arm adapted to be secured to said shaft in different angular positions, and a brake rod connected to the last mentioned arm.

1,520,759. SHIRT CUFF. JOSEPH LIPKEY, Chicago, Ill. Filed July 8, 1922. Serial No. 573,722. 2 Claims. (Cl. 2-123.)



1. The method of making a reversible cuff consisting in folding a member centrally upon itself, arranging said member between two other cuff members and stitching around three sides thereof, leaving the side thereof corresponding with the folded edge of said folded member unstitched; then turning the construction inside out, to bring the folded member outside of the pocket thus formed; and then inserting and stitching the lower edge of a shirt sleeve between the free edges of the unfolded members, substantially as described.

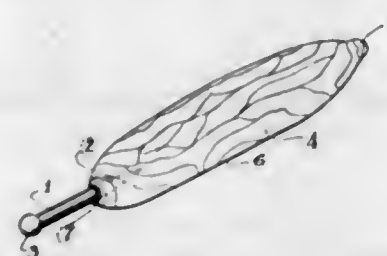
1,520,760. AUTOMOBILE TIRE FILLER. PATRICK J. McHUGH, Cincinnati, Ohio. Filed Mar. 17, 1921. Serial No. 452,932. 4 Claims. (Cl. 152-8.)



1. The combination of a slotted carrier, and a plurality of leaf springs each comprising a base adapted to seat upon the carrier, laterally extending lugs on

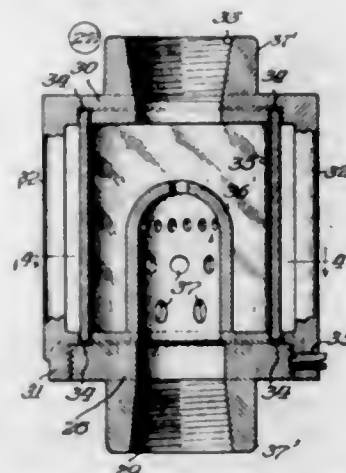
the base adapted to seat in the slots in the carrier and to position the leaf spring upon the carrier, each leaf spring extending from the base and overlapping the adjacent leaf spring, the leaf springs being adapted to cooperatively and yieldingly resist pressure on any of the leaves.

1,520,761. CIGAR AND METHOD OF MAKING THE SAME. LEE A. McLEAN, St. Louis, Mo. Filed Jan. 3, 1922. Serial No. 526,468. 2 Claims. (Cl. 131-52.)



1. The herein-described method of building a cigar having an artificial air-passage, consisting in building the tip around a former, superimposing other leaves until the cigar is completed, and withdrawing the former leaving the open ended passage in the completed cigar.

1,520,762. LAUNDRY MACHINERY. CLEMENT F. MEISSNER, Chicago, Ill., assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill., a Corporation of New York. Filed Dec. 16, 1921. Serial No. 522,735. 7 Claims. (Cl. 88-14.)



1. In a cleansing system, means for indicating visually the clarity of cleansing medium, said means comprising a transparent wall and rigid members constituting mounting means for said wall, said means being provided with an inlet means comprising a distributing member having a relatively large number of symmetrically placed holes for reducing eddy currents within said means.

1,520,763. ICE-CREAM DISPENSER. BENJAMIN D. MILLER, Wooster, Ohio. Filed Dec. 5, 1921. Serial No. 520,148. 1 Claim. (Cl. 107-48.)

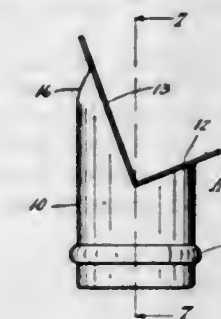
In a device of the character described, the combination with a tubular body; a dispensing cup on one end of said body, opening outwardly; a rim surrounding the other end of said body, having a series of notches therein; a tubular shaft longer than said body, and fitted to reciprocate closely within said rim; a disk on the lower end of said tubular shaft, having a central opening and fitted to reciprocate within said dispensing cup; an air valve closing the top of said tubular shaft; a handle at the upper end of said shaft; a longitudinal slot in said shaft opposite said rim notches when drawn out to its limits, and a spring actuated bar mounted

within said tubular shaft carrying a thumb latch, said latch fitted to register closely with said longitudinal slot,



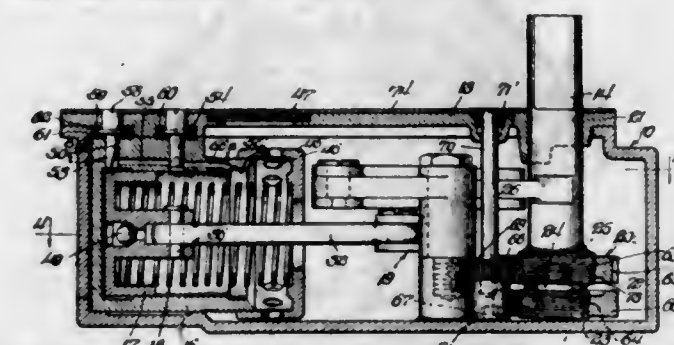
and adapted to engage any one of said notches, automatically, substantially as set forth and for the purpose specified.

1,520,764. METHOD OF MAKING SEAMLESS PIPE CONNECTIONS. WILLIAM NATHANSON and JACK BEHM, Chicago, Ill., assignors, by mesne assignments, of one-third to William Nathanson, one-third to Jack Behm, and one-third to Otto A. Zinke, all of Chicago, Ill. Filed Nov. 23, 1922. Serial No. 602,876. 4 Claims. (Cl. 113-116.)



1. A method of making a seamless and jointless pipe from a metal blank and comprising the drawing of said blank in substantially cup shape, reducing the diameter of the closed portion of the cup to form a shank, and lengthening said shank portion and drawing the unreduced portion of said cup to form a curved end portion with flanges extending at an angle to each other.

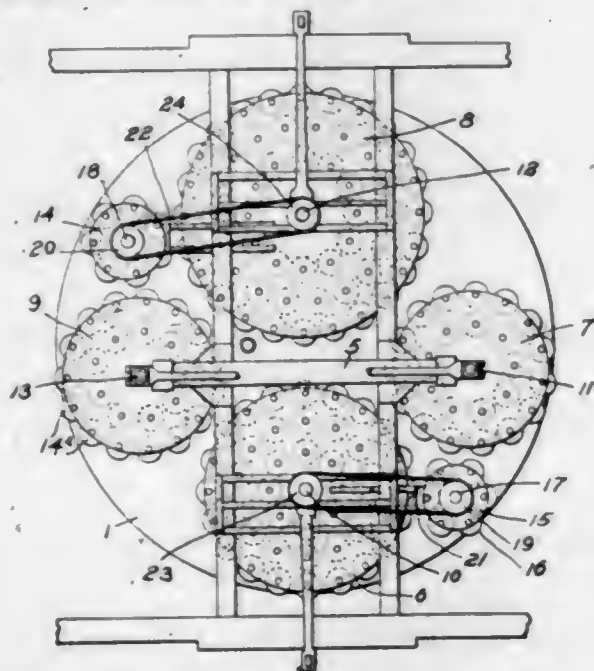
1,520,765. DOOR-CLOSING DEVICE AND DOOR-CHECK. LEWIS C. NORTON, Chicago, Ill., assignor to Norton Door Closer Company, Chicago, Ill., a Corporation of West Virginia. Filed Mar. 22, 1923. Serial No. 626,738. 5 Claims. (Cl. 16-52.)



1. A door check construction comprising a shaft on which the door is mounted, mechanism for checking the movement of the door, connections between the

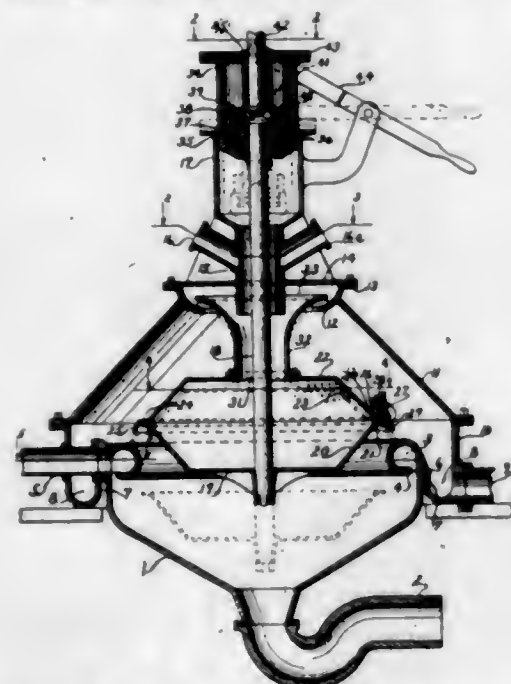
shaft and said mechanism, and friction means for holding the door in open position comprising a friction plate having a threaded engagement with said shaft, and provided with means to prevent it from rotating with said shaft, whereby as the shaft is oscillated, the friction plate will be moved longitudinally of the shaft.

1,520,766. PLATE-GLASS-POLISHING MACHINE. GEORGE W. OAKES, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 21, 1921. Serial No. 471,340. Renewed Nov. 15, 1924. 2 Claims. (Cl. 51—131.)



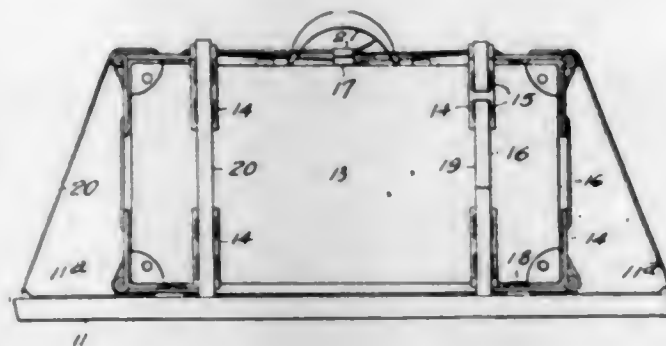
1. In combination in a plate glass polishing machine, a circular driven table adapted to carry the glass, a pair of circular polishing runners whose combined diameters approximate that of the table mounted above the table with their polishing surfaces in opposition to the surface of the table and adapted to rest upon the glass on the table and be rotated by their frictional contact therewith, a pair of smaller polishing runners located with their axes of rotation adjacent the edge of the table, and means for rotating the smaller runners from the larger ones.

1,520,767. CENTRIFUGE. ZENO OSTENBERG, San Jose, Calif., assignor to The Caltex Company, San Jose, Calif., a Corporation of California. Filed Aug. 31, 1921. Serial No. 497,306. 16 Claims. (Cl. 210—73.)



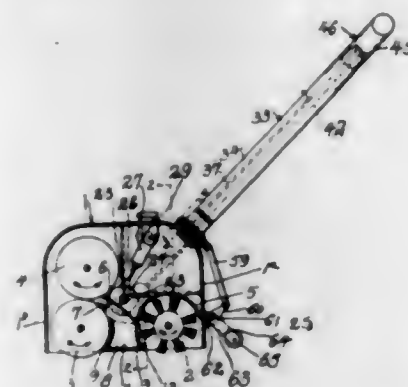
13. In a centrifuge, a hopper, means for introducing liquid into said hopper around the upper edge thereof, an acid chamber encompassing said hopper and extending below the upper edge thereof, and drainage means for said chamber.

1,520,768. FASTENING DEVICE. HENRY ERNEST LLOYD OWEN and KENNETH HALLIDAY MACARTNEY, Port Arthur, Ontario, Canada. Filed May 5, 1922. Serial No. 558,796. 8 Claims. (Cl. 224—29.)



1. A device of the class described comprising a series of straps adapted to be secured around an article of luggage, rigid edge guards threaded on said straps, and a second series of straps releasably connectible to a vehicle and threaded through said guards.

1,520,769. FLOOR-SCRUBBING MACHINE. JOHN J. PETERSON, Steubenville, Ohio. Filed Mar. 18, 1921. Serial No. 453,229. Renewed May 23, 1924. 1 Claim. (Cl. 15—52.)

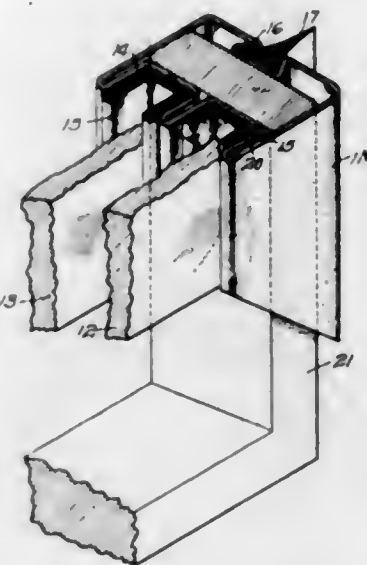


In a machine of the character described, a casing, a handle connected to said casing, a shaft rockably mounted on the casing, arma projecting from said shaft and provided at their free ends with rollers, a member carried by the handle at the upper end thereof and rotatably adjustable in said handle, an adjusting rod carried by the handle and having its upper end secured to said member, and connections between said adjusting rod and said shaft for rocking the shaft in either direction in accordance with rotation of the adjusting rod.

1,520,770. AUTOMOBILE INCLOSURE CONSTRUCTION. WILLARD L. POLLARD, Evanston, Ill., assignor to Air-Lite Auto Top Company, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1922. Serial No. 503,747. 2 Claims. (Cl. 296—44.)

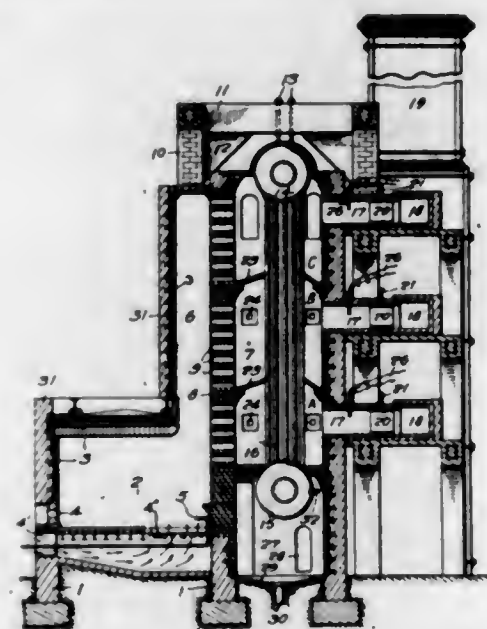
1. In combination with an automobile having a side and a top, with an open space between the upper edge of the side and the top, a ventilation and vision panel for closing said space comprising a substantially rectangular frame of slender metal tubing of thin sheet material of uniform cross-section, provided with two longitudinally extending sets of channels located side by side, the two sides of said frame forming slender hollow supporting columns extending upwardly from and secured to the upper edge of the side of the automobile, a vision panel of rigid transparent material having its edges mounted in one of said sets of the channels in said frame and closing a portion of the opening of said frame and a ventilation panel of rigid transparent material slidably mounted in the other of said sets of the

channels of said frame and movable from a position in which it closes the remainder of the opening to a position which leaves the remainder of the opening free for



signaling and ventilation, and flexible sealing strips mounted on and carried by the sides of said frame for sealing against adjacent panels.

1,520,771. OIL-HEATING FURNACE AND THE LIKE. GEORGE L. PRICHARD and HERBERT HENDERSON, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Feb. 28, 1922. Serial No. 539,966. 3 Claims. (Cl. 110—1.)

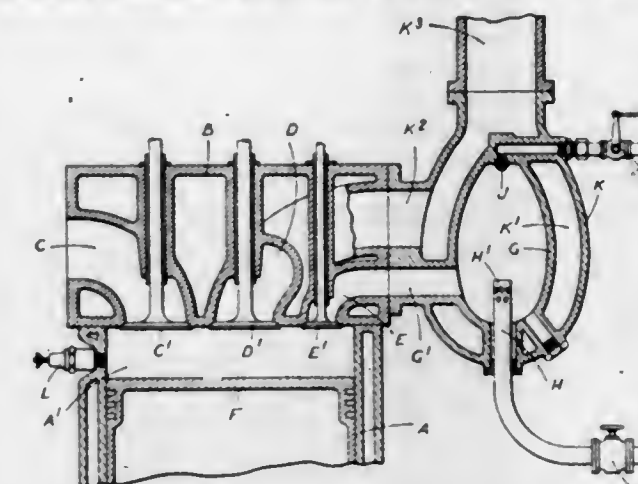


3. A furnace comprising a vertical shaft, the walls on one side being provided with ports for admitting fire gases to the shaft throughout its length, and the wall on the other side being provided with a plurality of vertically spaced breechings, whereby products of combustion may be admitted to the shaft substantially throughout its length and may be withdrawn from the shaft at several different points along its length, a stack, and flues leading from said breechings to said stack, a fire box, and means for conducting products of combustion from the fire box to the said ports in the wall of the shaft.

1,520,772. INTERNAL-COMBUSTION ENGINE. HARRY RALPH RICARDO, London, England. Filed Apr. 26, 1923. Serial No. 634,837. 5 Claims. (Cl. 123—119.)

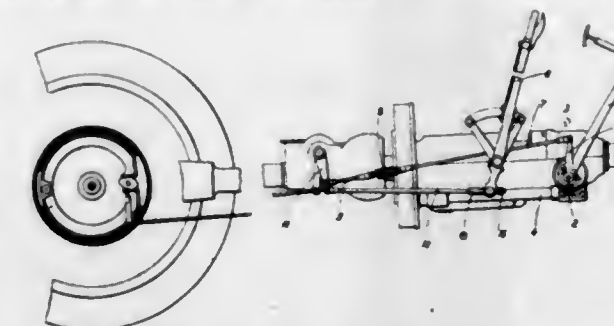
1. A method of operating and controlling an internal combustion engine according to which air and hydrogen

are supplied separately to the cylinder and each in substantially constant quantities, while a hydrocarbon fuel



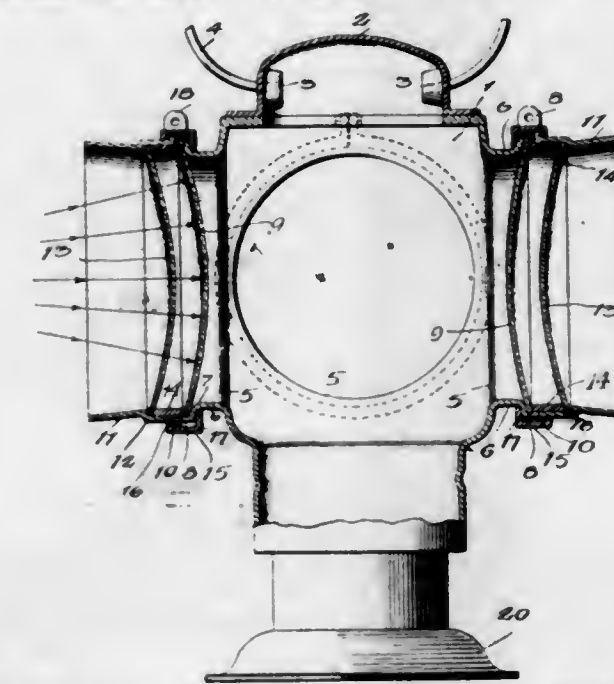
is supplied to the cylinder in variable amount, the control of this hydrocarbon supply effecting the control of the power output.

1,520,773. BRAKE FOR AUTOMOBILE VEHICLES. LÉON SAIVES, Billancourt, France, assignor to Louis Renault, Billancourt, France. Filed Nov. 23, 1921. Serial No. 517,263. 3 Claims. (Cl. 188—106.)



1. The combination with a transmission braking mechanism and a wheel braking mechanism, both braking mechanisms being operatively connected with a common setting member, of a tension element interposed in the connection between the setting member and the wheel braking mechanism so that the application thrust of the setting member will be transmitted through said connection only to the value of the tension member therein.

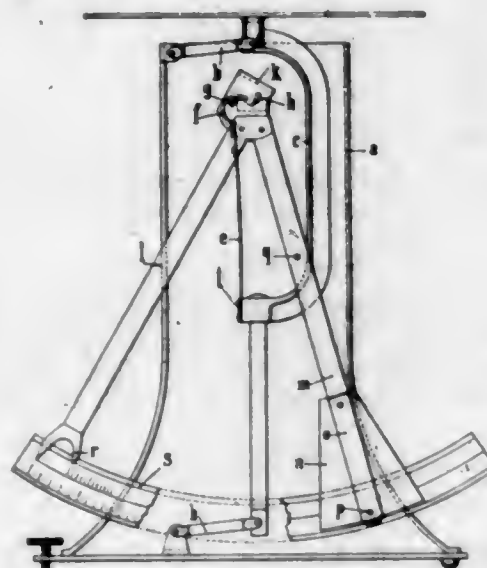
1,520,774. RAILROAD SWITCH LAMP. CHARLES SCHERLE, San Antonio, Tex. Filed June 28, 1923. Serial No. 648,367. 4 Claims. (Cl. 246—474.)



3. A railroad switch lamp comprising a casing having flanged openings, a concave reflector supported by the flange across the openings, an open-ended cylindrical

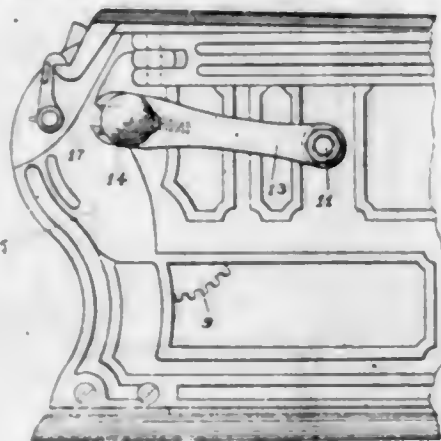
member having one end laterally flanged and abutting the flanged openings in the casing, a concave transparent medium supported by the cylindrical member, a ring spacing the transparent member from the reflector, and means for engaging the flange at the opening in the casing and the flanged cylindrical member for locking said cylindrical member to the opening and likewise for locking the transparent medium and the reflector in position.

1,520,775. WEIGHING SCALE. OTTO SCHMIDT, Berlin-Tegel, Germany. Filed Feb. 25, 1924. Serial No. 695,103. 4 Claims. (Cl. 265-61.)



3. A weighing scale comprising a frame, a pendulum pivotally mounted in said frame, a load supporting member provided on the pendulum, a load carrier comprising a rigid member extending alongside the swinging plane of the pendulum and linked to the frame at two points remote from each other for up and down movements and a yielding tongue fixed to said rigid member at a point intermediate said two link-pivots of the rigid member and being formed of a flat elastic strip the plane of which being substantially perpendicular to the swinging plane of the pendulum, the elastic strip provided with a hook at its upper free end, said hook being on the load supporting member of the pendulum.

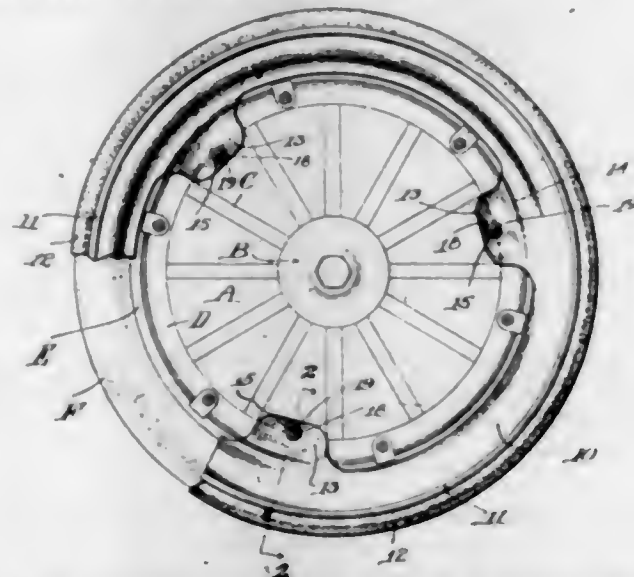
1,520,776. HANDLE STOP FOR AUTOGRAPHIC REGISTERS. MILTON C. STERN, Dayton, Ohio, assignor to The Egly Register Company, Dayton, Ohio, a Corporation of Ohio. Filed July 12, 1920. Serial No. 395,512. 3 Claims. (Cl. 74-33.)



1. In a mechanism of the character described, the combination with a device to be operated comprising a shaft, of a device for actuating said shaft having means for interrupting the movement thereof at the end of each complete rotation of said shaft, said actuating device comprising a crank arm forked at its outer end connected with said shaft, a handle having a part extending through and slidably mounted between the

prongs of said arm, said handle having a circumferential groove in which said prongs lie, a stop carried by said handle, a second stop arranged in the path of the first mentioned stop when said handle is in its outermost position, and a spring tending to move said handle toward its outermost position, the several parts being so arranged that the movement of the handle must be inwardly towards the shaft and the operator when it is desired to release the locking of the parts.

1,520,777. EMERGENCY RIM. PERCY C. STICKNEY, Jacksonville, Fla. Filed Nov. 23, 1923. Serial No. 676,626. 6 Claims. (Cl. 301-39.)



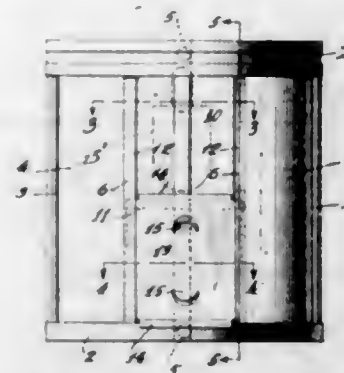
1. An emergency rim for use upon a vehicle wheel in case of deflation of a pneumatic tire thereon, comprising a ring-like body, a rim thereon carrying a cushion tire, a plurality of ears on the inner periphery of said body adapted to lie against the felly of the vehicle wheel, and means engaging the felly for holding said ears in position, said means comprising bolts extending through said ears and disposable transversely of the inner periphery of the felly, said bolts terminating in hooks seating within recesses in the felly.

1,520,778. DRILLING APPARATUS. HOWARD A. STILLWELL, Woodbury, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware. Filed July 12, 1916. Serial No. 108,794. 7 Claims. (Cl. 77-3.)



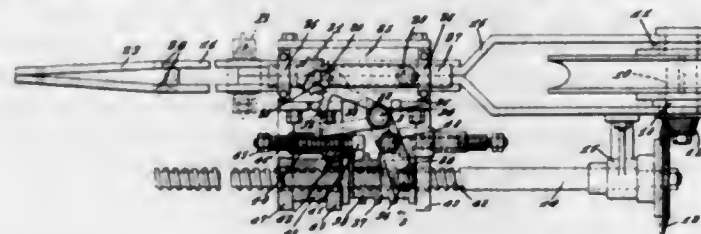
1. A drilling apparatus for shells comprising a shell elevating device, a shell holding device, a drill supporting means, and swinging arms for bringing first the shell elevating device and then the drill supporting means under the shell holding device.

1,520,779. LAMP OR LANTERN GLOBE. AARON P. STORRS, Owego, N. Y., assignor to Storrs Mica Company, Owego, N. Y., a Corporation of New York. Filed Mar. 29, 1922. Serial No. 547,743. 5 Claims. (Cl. 67-11.)



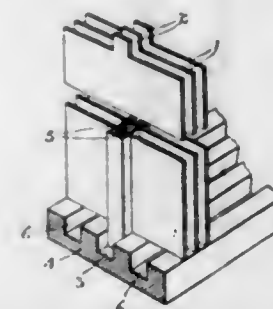
1. A device of the character described, comprising a top member and a bottom member, a pair of spaced members joining the top and bottom members and forming an opening bounded by said members, a transparent panel filling the upper portion of said space, said panel being rigidly secured to the top and spaced members, a door slidably carried by said spaced members and adapted to close the balance of the opening, means for securing the door in open position, and means other than the securing means for preventing removal of the door.

1,520,780. CABLEWAY CARRIAGE. JOSEPH P. STREET, Chattanooga, Tenn., assignor to Street Bros. Machine Works, Chattanooga, Tenn. Filed June 26, 1922. Serial No. 570,811. 6 Claims. (Cl. 212-119.)



1. The combination with a track cable, of a carriage movable therealong, and including a rotatable cable engaging sheave, an arm movable with and adapted to swing upwardly and downwardly relative to the carriage, yielding means for holding the free end of the arm normally elevated, a cross head slidable longitudinally of the arm, means operated by the rotation of the sheave for moving the cross head toward or from the horn, a push device movable relative to the cross head, and means operated by the initial movement of the cross head toward or from the horn for moving the push device in the direction of movement of the cross head but at a greater speed than the cross head.

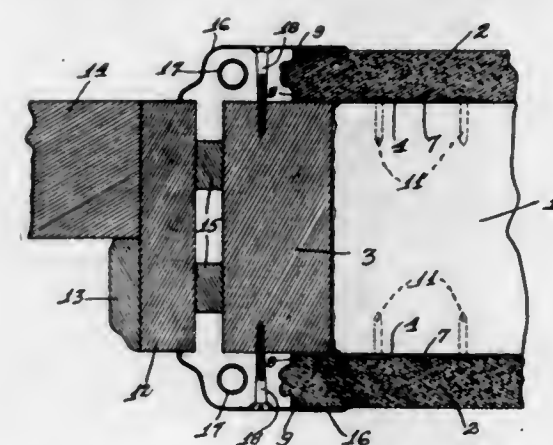
1,520,781. FILTER SCREEN. ALEXANDER T. STUART, Toronto, Ontario, Canada. Filed Nov. 9, 1921. Serial No. 513,932. 4 Claims. (Cl. 210-195.)



1. In a filter press, the combination with an open frame and filter screens, of a plurality of blades of thin material extending from face to face of the frame

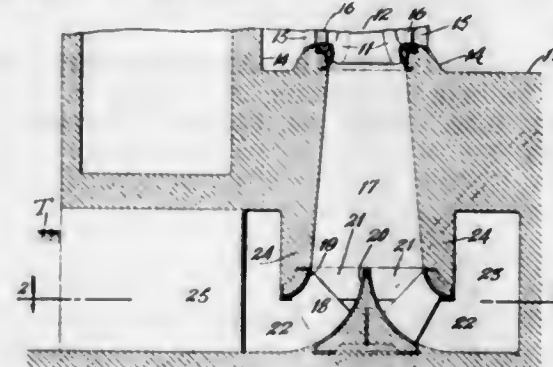
to support the filter screens, means extending longitudinally of said supports and spacing them apart from end to end, and ducts in said frame for receiving the filtered material.

1,520,782. WALL CONSTRUCTION. EVERETT E. SWINNEY, Chicago, Ill., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1923. Serial No. 664,865. 8 Claims. (Cl. 20-11.)



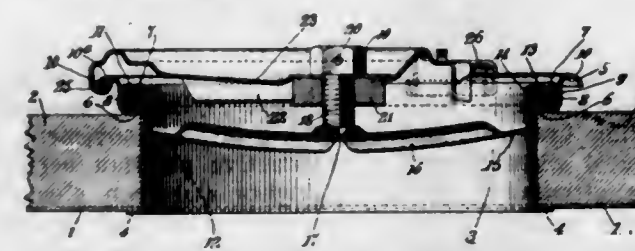
1. The combination with the frame of a door opening in a plastered wall, of means for protecting said wall from the shocks of the door, comprising a flexible shock absorbing member bridging the gap between said wall and frame.

1,520,783. HYDRAULIC TURBINE. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Original application filed July 24, 1917, Serial No. 182,498. Divided and this application filed May 2, 1922. Serial No. 557,921. 15 Claims. (Cl. 253-17.)



1. A draft tube for a hydraulic turbine comprising a central conical core and a guiding passage adapted to spread and turn the outflow around said core, an enlarging conical passage coaxial with the turbine, interposed between the turbine runner and said passage, and a circular series of stay members supporting the walls of the draft tube from the foundation.

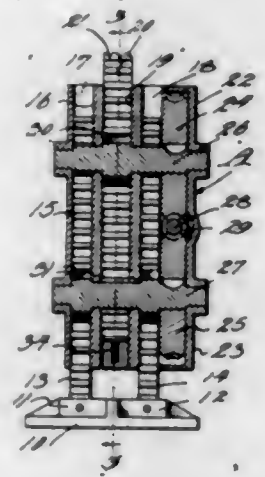
1,520,784. CLOSURE. JOHN S. TAYLOR, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 16, 1918. Serial No. 222,848. 7 Claims. (Cl. 220-57.)



1. A closure comprising a neck having an inner flange adapted to underlie the walls of an opening, an outer flange adapted to overlie such walls and provide a seat,

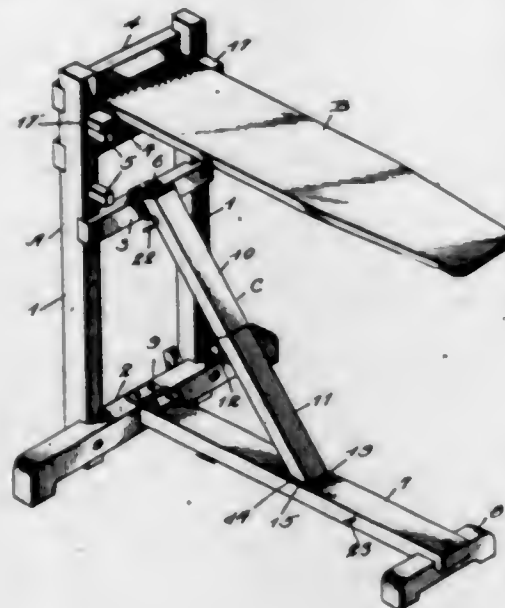
and laterally-extending flanges overlying said seat, a spider adapted to engage under said laterally-extending flanges, a cover located between said spider and said neck, and means on said spider for forcing said cover toward said seat.

1,520,785. JACK. ELVIN THOMPSON and LEO L. DIEBEL, Alliance, Ohio. Filed May 5, 1924. Serial No. 711,258. 2 Claims. (Cl. 254-97.)



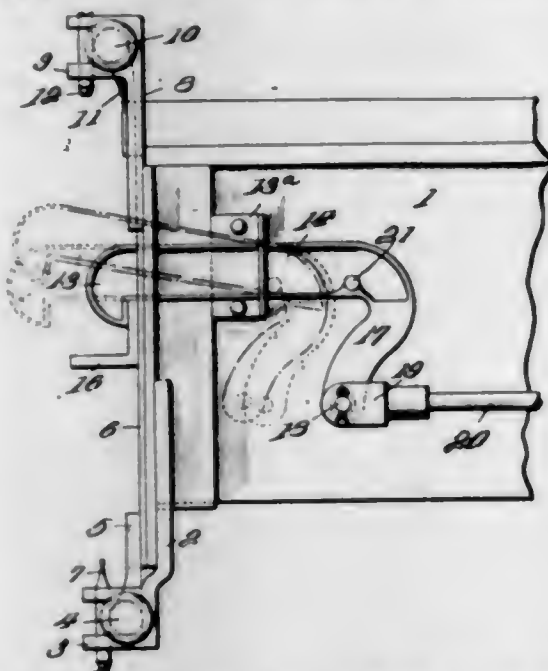
1. A jack comprising a base plate, a pair of spaced supporting rack bars, a casing slidably mounted on the rack bars, a lifting rack bar slidably mounted in the casing intermediate the first mentioned lifting rack bars, an upper and lower driven shaft, a pinion carried by the upper shaft engaging the lifting rack bar, pinions carried by the lower shaft engaging the supporting rack bars, and a single operating shaft for driving the driven shafts synchronously and in opposite directions.

1,520,786. IRONING BOARD AND SUPPORT THEREFOR. THOMAS L. VAGHN, JR., Dunn, N. C. Filed May 18, 1922. Serial No. 561,908. 2 Claims. (Cl. 68-10.)



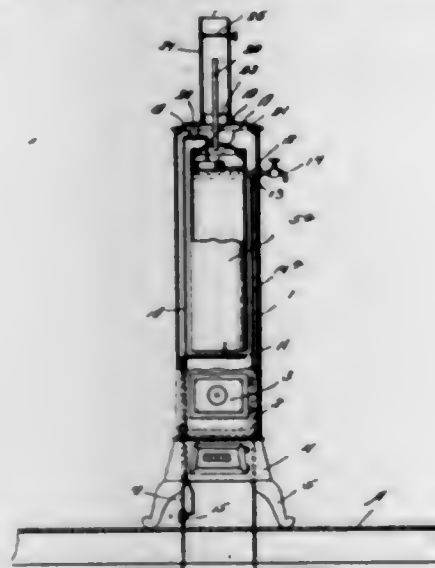
1. In combination, with an ironing board, a support therefor provided with uprights carrying transversely extending braces adapted to limit lateral movement of the board when placed in inoperative position between and longitudinally of said uprights and cam elements pivotally carried by the lower portion of said uprights and adapted to clamp the board when the latter is moved into inoperative position and to press against the lower portion of said board, whereby the board is held under tension, substantially as described.

1,520,787. TAIL-GATE LATCH AND SPREADER FOR DUMP BODIES ON MOTOR VEHICLES. EDWARD F. WALSH, Marion, Ind., assignor to Superior Boiler Works, Marion, Ind., a Corporation of Indiana. Filed Jan. 17, 1920. Serial No. 352,115. 1 Claim. (Cl. 298-23.)



The combination with a motor vehicle having a dumping body provided with a pivoted end gate, an angled member secured to the body of the vehicle having a slot forming a guide way, a keeper bar carried by said end gate, a latch slidably mounted in said guide having a hooked outer end adapted to engage said keeper bar, said latch having oppositely disposed lateral projections forming pivots and stops adapted to engage the guide member, said latch having a depending inner end and an operating bar connected to the depending end of said latch for moving said latch in said guide way, the initial movement of said latch in said guide way causing said pivot to be brought into engagement with the guide member and the hooked end of said latch to move out of contact with said keeper bar for limiting the swinging movement of said end gate and the final movement of said operating bar causing said latch to rock on its pivot against the flanged guide member out of the path of travel of said keeper bar for releasing said end gate.

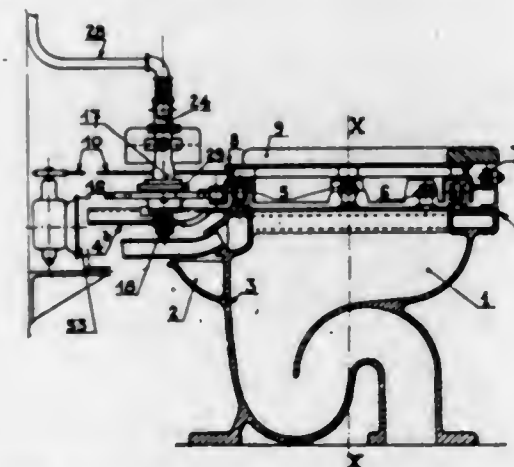
1,520,788. WATER HEATER. CALVIN J. WALTERS, San Angelo, Tex. Filed Mar. 21, 1924. Serial No. 700,909. 1 Claim. (Cl. 126-344.)



A water heater for domestic purposes comprising a vertically elongated heat confining casing, heating means arranged in said casing at the bottom thereof, a water tank supported in the upper portion of the casing above

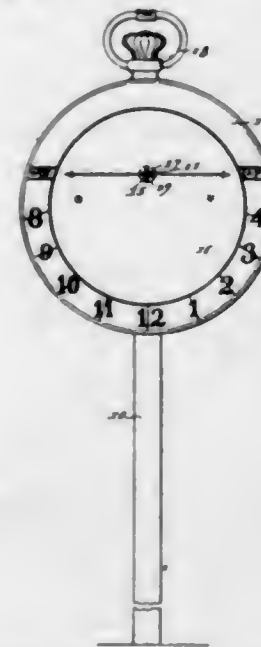
said heating means, said tank being provided at its top with a removable cover, a water supply pipe extending upwardly through the casing and adapted to be connected to the bottom of said water tank, said supply pipe having a horizontally disposed substantially flat heating coil formed therein and disposed in spaced parallelism below the bottom of said tank, a float in said tank having its stem extending slidably through an opening in said cover, a lever mounted for rocking movement in said casing and connected at one end to said float stem, a cut off valve in said water supply pipe, a link connection between said valve and the other end of said lever, and a water delivery pipe leading from the top portion of said tank.

1,520,789. APPARATUS FOR CLEANING THE SEATS OF WATER-CLOSETS. ROBERT WEILL, Colmar, France. Filed July 12, 1924. Serial No. 725,572. 6 Claims. (Cl. 4-233.)



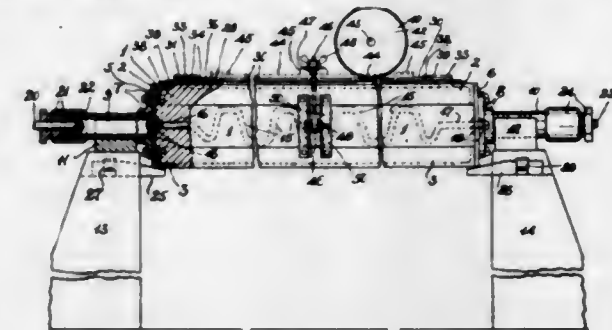
1. Apparatus for mechanically cleaning the seat of a water closet comprising in combination with a rotatable seat means for rotating the seat, seat cleansing devices and means for moving said seat cleansing devices into and out of operative relation to said seat.

1,520,790. SUNDIAL. HARVEY J. WIER, Opelousas, La. Filed Dec. 4, 1922. Serial No. 604,940. 2 Claims. (Cl. 33-62.)



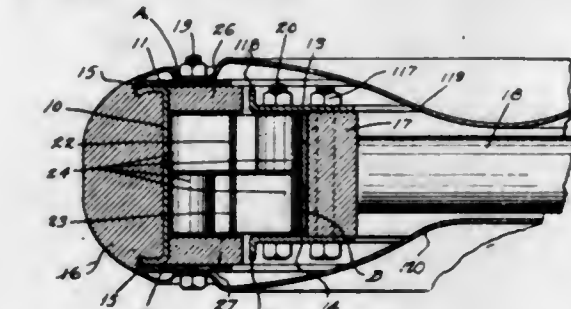
1. In a combined sun dial and advertising device, a disk, means for supporting the disk, a plate having an apertured boss internally threaded secured to it, a threaded shank engaging the threads of the boss, said shank having a slot in its outer end, a socketed element having a shank oscillatably mounted in the slot, and a gnomon extending outwardly from the disk and carried by the said socket.

1,520,791. APPARATUS FOR MANUFACTURING SHEETS AND OTHER ARTICLES FROM PLASTIC MATERIALS. SAMUEL SCOTT WILSON, Meyerton, Transvaal, South Africa. Filed Dec. 7, 1923. Serial No. 679,248. 11 Claims. (Cl. 25-42.)



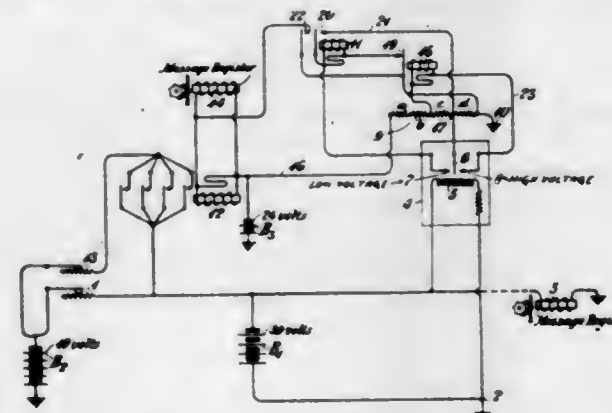
1. An apparatus of the nature indicated, including a table made of plaster of Paris and heating means embedded in said table, as set forth.

1,520,792. RESILIENT RIM. GEORGE H. YOUNG, St. Paul, Minn. Filed June 19, 1922. Serial No. 569,500. 4 Claims. (Cl. 152-37.)



3. In combination with the felly of a wheel, a pair of annular rings bolted to the sides thereof, extending outwardly therefrom, outwardly turned flanges formed on said rings, a rim of larger diameter than said rings positioned outwardly from said rings, having a width greater than that of said rings and felly, a pair of rings positioned along the sides of said rim, annular rubber rings positioned within said rim and adjacent said rings attached thereto, the distance between said rings being of a width equal to the distance between said first named flanged rings, said flanges on said first named rings being adapted to abut said rubber rings and means positioned between said first named rings and said rubber rings for resiliently supporting said rim in relation to said felly.

1,520,793. CURRENT-REGULATING DEVICE. ROWLAND L. YOUNG, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 26, 1921. Serial No. 472,798. 3 Claims. (Cl. 171-314.)



1. In a battery charging system, the combination with a battery of a source of charging current having a plurality of output circuits, one of which is normally effectively connected with said battery, switching means

adapted to connect other of said output circuits to said battery, a control relay adapted to govern the operation of said switching means, voltage responsive means connected with the output circuit of said battery adapted to operate and lock up the said control relay and a release relay also controlled by the said voltage responsive means to effect the deenergization of the said control relay.

1,520,794. REFRACTORY ALLOY FOR WIRES AND RODS. FREDERICK W. ZONS, New York, N. Y. Filed June 3, 1921. Serial No. 474,762. 11 Claims. (Cl. 75-1.)

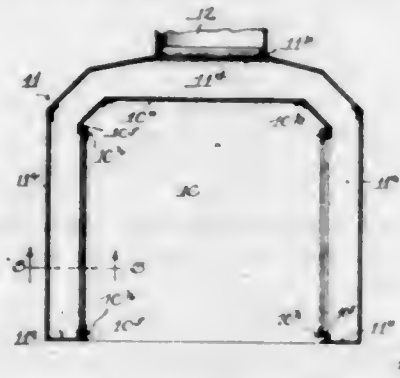
1. An alloy consisting principally of tungsten and tantalum, the former being present in amount about two to about twenty times the quantity of the latter.

1,520,795. SYRINGE. LESTER STEWART BARR, Washington, D. C. Filed Apr. 26, 1921. Serial No. 464,563. 3 Claims. (Cl. 128-234.)



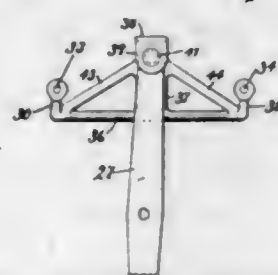
2. In a syringe of the class described for successively pumping liquid and air in combination, a pump chamber having two openings therein for the passage of fluid, a valve within said chamber for each of said openings, control means operable from without the chamber to move the valves, and means normally holding said control means in such position that one of said openings is closed.

1,520,796. SPRAY CABINET. HOWARD G. BARTLING, Chicago, Ill. Filed Dec. 3, 1923. Serial No. 678,105. 6 Claims. (Cl. 91-60.)



1. In combination, a spray cabinet having an exhaust port and a sub-cabinet mounted in said cabinet with a wall spaced from the adjacent wall of said cabinet, said sub-cabinet being apertured for exhaust.

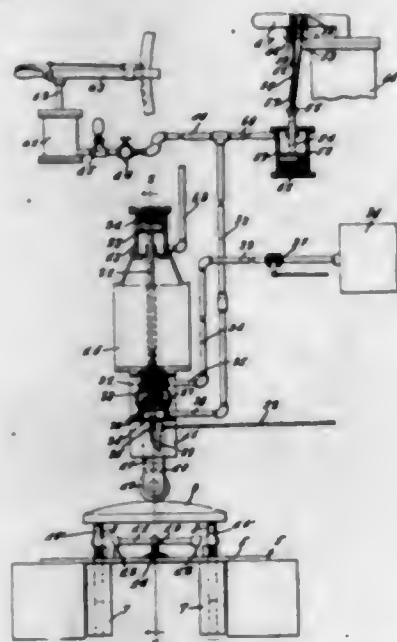
1,520,797. BRAKE-LEVER BRACKET AND GUIDE. STARLEY F. BEASLEY, Kansas City, Kans. Filed Mar. 31, 1924. Serial No. 703,322. 6 Claims. (Cl. 188-205.)



3. In a brake mechanism for railway cars, a sill, a bracket including arms secured to and depending from the sill, a support connecting the arms and spaced be-

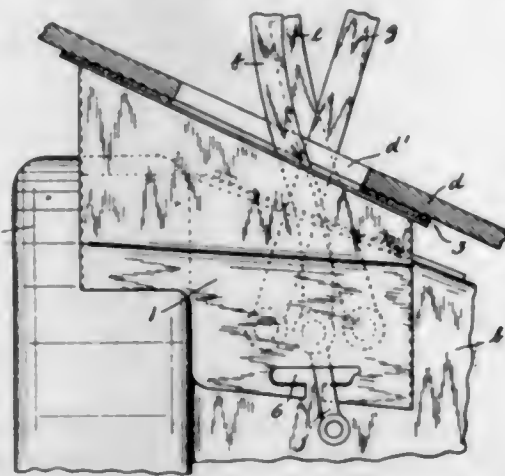
low the sill, an arm extending laterally from the support, a bearing on the last-mentioned arm, braces between the bearing and the first arms, and a hand brake lever fulcrumed on the bearing and extending across said support.

1,520,798. AUTOMATIC TRAIN-STOPPING DEVICE. JOHN F. BENNELMAN, East Chicago, Ind., assignor of one-half to Elie G. Rasheta, East Chicago, Ind. Filed Nov. 30, 1923. Serial No. 677,778. 2 Claims. (Cl. 246-188.)



2. In a device of the character described, a source of air supply, a valve casing communicating with the source of air supply, said valve casing having an outlet pipe supported thereby, means in communication with the outlet pipe for operating the throttle lever of the emergency brake valve of a locomotive, a valve member in the casing and adapted to control the passage of air through the outlet pipe, a vertically movable plunger associated with the valve, a laterally extending arm carried by the plunger and adapted to move to engage the valve member, to unseat the valve member, a pivoted latch member adapted to engage the arm to lock the arm against movement, and a trip member for contacting with the vertically movable plunger to operate the same.

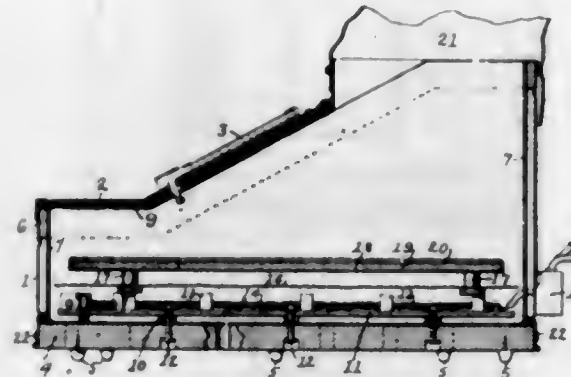
1,520,799. DRAFT-PREVENTING DEVICE. GUY R. BICKFORD, Wayzata, Minn., assignor of one-half to Harry V. Pettitt, Wayzata, Minn. Filed Mar. 30, 1922. Serial No. 547,989. 1 Claim. (Cl. 74-81.)



The combination with an automobile having control levers extending through an opening in the foot board and with the engine casing thereof, of a casing having an opening adapted to abut against said engine casing so as to be closed thereby, said casing being adapted to

enclose said levers having only a small opening extending toward the free exterior thereof, said opening accommodating a connection to one of said levers, said casing having a sectional flange extending about its top edge adapted to fit against said foot board beneath the same.

1,520,800. THERMOTHERAPEUTIC APPLIANCE. AARON BLUME, New York, N. Y. Filed Sept. 8, 1920. Serial No. 408,822. 1 Claim. (Cl. 128-254.)

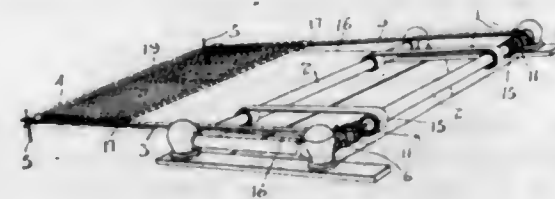


A thermo-therapeutic appliance comprising a rigid outer case, provided with an opening and adapted to enclose a foot and ankle, a cover secured thereto, a perforated bottom on said case, a lining of heat insulating material within the case and spaced therefrom, an electric heating element within the case and near the bottom thereof, a sheet of netting over said heating element and a foot rest above the netting and within the case.

1,520,801. MANUFACTURE OF VEGETABLE CHARCOAL. LEONARD HUGH BONNARD, London, England. Filed Dec. 21, 1922. Serial No. 608,359. 11 Claims. (Cl. 252-3.)

1. The process for the production of active charcoal which includes the steps of intimately incorporating in a porous carbonaceous material, moist by reason of absorbed water, an oxide calcium compound, retorting the material at about 1000° C. until carbon monoxide ceases to be evolved, still maintaining the high temperature of the mixture for a further period sufficient to materially increase the activity of the product and thereafter treating the product to remove lime.

1,520,802. GRAVE-COVERING DEVICE. ROBERT A. BRECKENRIDGE, Owen Sound, Ontario, Canada. Filed Dec. 7, 1923. Serial No. 679,190. 5 Claims. (Cl. 27-32.)



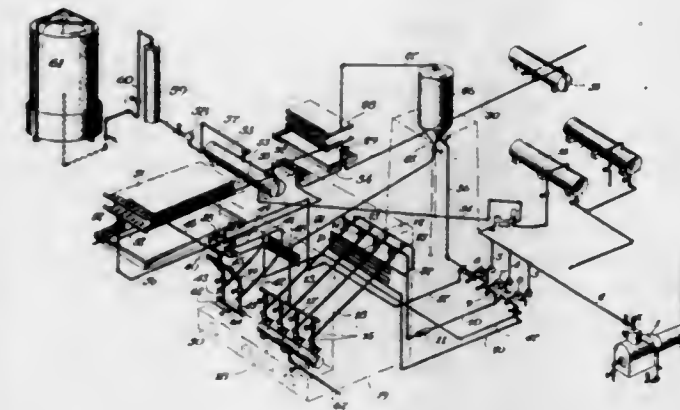
1. In a grave covering device, the combination with an automatic lowering device and guides extending to one side thereof, of a cover frame arranged upon said guides, means operated by the lowering device for drawing the cover frame over the grave, and means for automatically arresting the movement of said covering device irrespective of the movement of the lowering device.

1,520,803. SAND PUMP. CHARLES HENRY BROWN, Breckenridge, Tex. Filed Mar. 14, 1922. Serial No. 543,729. 5 Claims. (Cl. 166-19.)



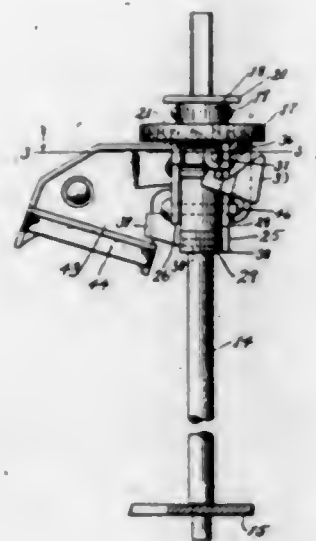
1. An article removing device for wells comprising a tubular body having its forward portion enlarged, a plurality of trapping arms pivoted within the enlarged portion of said body, and secondary trapping means arranged in the rear portion of the body and comprising spaced superposed valves.

1,520,804. PROCESS AND APPARATUS FOR MAKING OIL GAS. CHARLES R. BURKE, Tulsa, Okla., and THOMAS F. HINTZ, Arrowhead, N. Y., said Burke assignor of his right to Louise P. Burke, Tulsa, Okla. Filed Sept. 16, 1922. Serial No. 588,636. 9 Claims. (Cl. 196-49.)



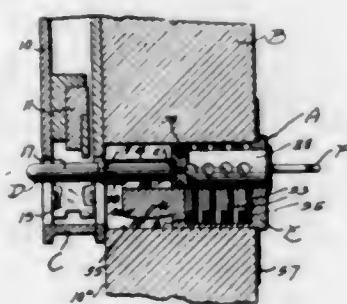
1. A method of producing a relatively large percentage of fixed gas and a relatively small percentage of low boiling point by-products from high boiling point hydrocarbons consisting in subjecting high boiling point hydrocarbons to a temperature sufficient to crack at least a portion of the same, separating the lighter vapors from the heavier condensate, condensing the light vapors to form a light distillate or low boiling point by-product, and directly subjecting the heavier condensate without substantial loss of heat at substantially atmospheric pressure to a heat sufficient to decompose said heavier condensate and convert the major portion only of the same into a fixed gas and a substantial minor portion into fuel oil.

1,520,805. WINDING MECHANISM. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed Apr. 24, 1924. Serial No. 708,643. 7 Claims. (Cl. 74-116.)



1. A device of the class described, the combination of a shaft, a ratchet wheel secured thereto and having teeth on its lower side, a bearing for the shaft below the ratchet wheel, a sleeve journaled on the shaft below the bearing, a hand lever pivoted to the sleeve to swing between a winding position, at an angle to the shaft, and in an inoperative position extending along the shaft, and a pawl carried by the lever for engagement with the ratchet wheel when the lever is in winding position.

1,520,806. SUPPLEMENTAL LOCK AND KEY DEVICE. JOHN CANELLES, Duluth, Minn. Filed Apr. 27, 1923. Serial No. 635,056. 3 Claims. (Cl. 70-8.)

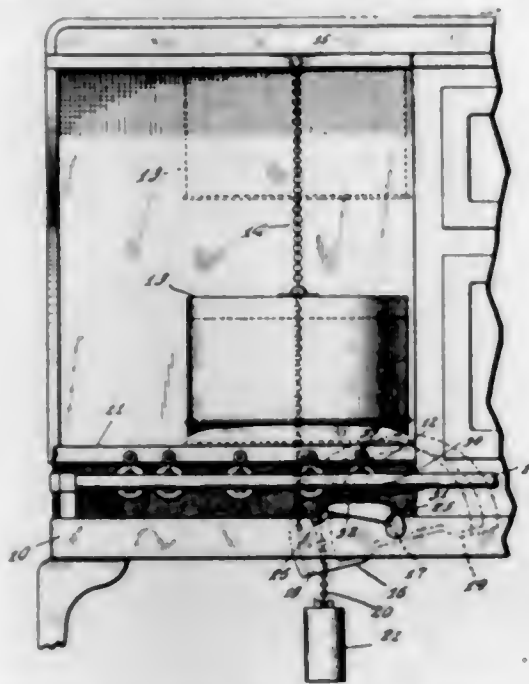


1. A device of the class described comprising a key, a lock including a case and a revoluble plug with a keyway therethrough, and means rotatably connecting the key to said case, so that an end thereof extends into the keyway of said plug for rotation therewith.

1,520,807. COOKING STOVE. JOHN E. CHAMBERS, Shelbyville, Ind. Filed Mar. 10, 1924. Serial No. 698,000. 7 Claims. (Cl. 126-42.)

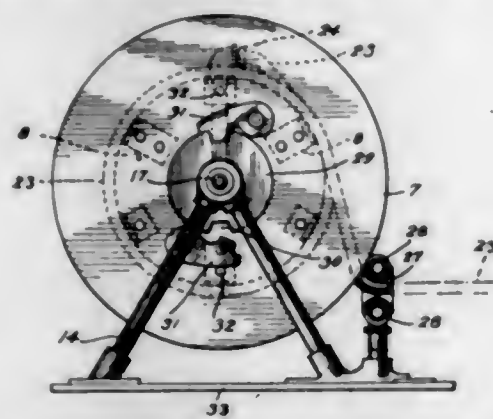
1. In a gas range, a vertically movable fireless-cooker hood, an operating lever therefor, a gas-valve for controlling a gas flame below the fireless-cooker-hood loca-

tion, an interlocking means between said hood-operating means and said gas-valve for limiting the downward movement of said hood while the gas-valve is open and



for requiring the hood to be raised higher than said limiting position before the gas valve when once closed can be re-opened.

1,520,808. HOSE-WINDING DRUM. HENRY CHIPPINDALE, Richmond Hill, N. Y. Filed Aug. 17, 1922. Serial No. 582,351. 1 Claim. (Cl. 242-86.)

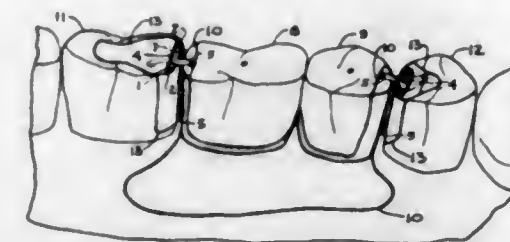


A hose winding drum comprising a reel formed of end plates connected by longitudinal bridge members, standards at each end of said reel, a bearing rigidly secured in one of said standards, a reel shaft journaled in said bearing and standards, a member connecting said shaft and one of said bridge members, a coiled retracting spring for said reel disposed over said shaft with one end secured to said bearing and the other against said member connecting the shaft and a bridge member, a ratchet plate formed on one of said standards, and gravity dogs on the adjacent end plate of the reel for engagement therewith.

1,520,809. DENTAL ATTACHMENT FOR MOVABLE-REMOVABLE BRIDGEWORK. MILTON COHEN, New York, N. Y., assignor to Adler Engineering Company, Corona, Long Island, N. Y., a Copartnership of New York. Filed Dec. 2, 1922. Serial No. 604,510. 4 Claims. (Cl. 32-12.)

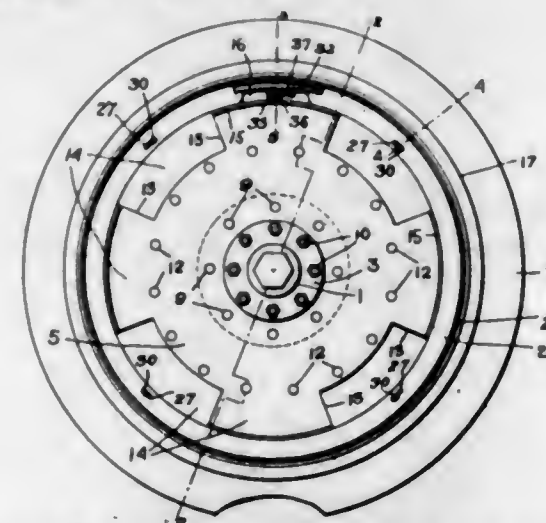
1. A dental attachment for movable-removable bridge-work, composed of a box-formed jacket member adapted to be permanently seated on a stationary abutment tooth in the mouth, and a linking member adapted to be permanently supported on the artificial removable bridge denture, the said linking member comprising a web and a solid body formed at an angle to each other, the said

body having cut therein two slots extending longitudinally over the greater part of its length and disposed in planes transversely of the body one on each side of its central transverse plane; the said body being adapted to



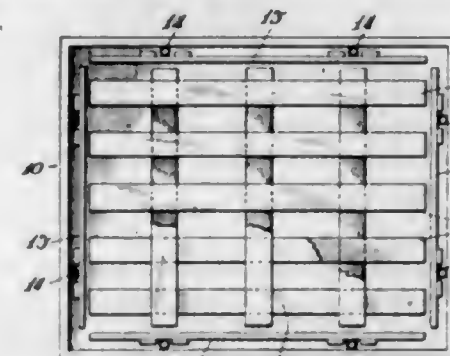
engage within the said jacket member and act as the means for holding the removable bridge denture on its abutments in the mouth against unintentional dislodgement, and in movable relationship to the said abutments.

1,520,810. VEHICLE WHEEL. WALTER E. COPITHORN, Natick, Mass. Filed May 28, 1920. Serial No. 385,032. 3 Claims. (Cl. 301-63.)



1. In a wheel, the combination with a hub portion, of two sheet metal disks having their central portions spaced from each other and secured to the hub portion, said disks contacting and being rigidly secured together in a zone substantially midway of the wheel in a radial direction, portions of each disk beyond said zone being cut away thereby leaving arm portions, each arm portion of each disk being bent laterally and extending through a space between the ends of the arm portions on one disk being separated from the ends of the arm portions on the other disk substantially as much as the central portions are separated, and a rim member permanently secured to the ends of the arm portions of both disks.

1,520,811. METHOD OF FREEZING AND PRESERVING PERISHABLE PRODUCTS. DAVID I. DAVIS, Chicago, Ill. Filed Feb. 2, 1923. Serial No. 616,515. 17 Claims. (Cl. 99-14.)

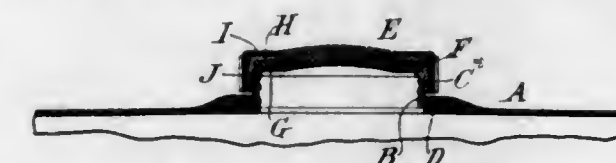


1. The method of preserving perishable products which comprises placing the material to be preserved in a container, and between spacing means arranged between

the products to be preserved and the walls of the container, submerging the material in the container with a freezable liquid, and freezing the contents of the container into a solid block.

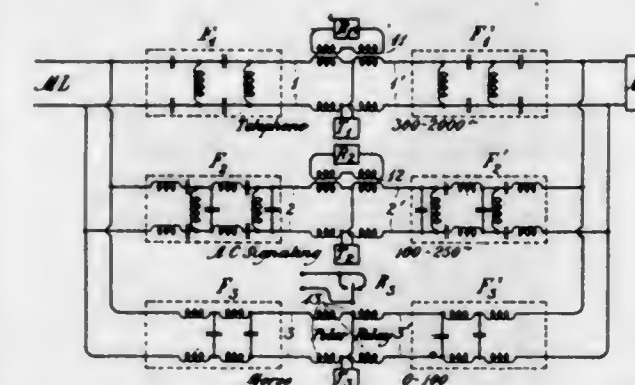
16. A storage block comprising a perishable product, enclosed within removable enclosing means, the whole frozen into a solid block with unbroken enclosing walls of ice.

1,520,812. CLOSURE FOR ICE BAGS OR THE LIKE. ANTON C. EGGEAS, Brooklyn, N. Y. Filed Nov. 9, 1921. Serial No. 514,051. 6 Claims. (Cl. 150-8.)



1. A cap having a compressible packing on the under side of its top portion, said packing having a part extending through and overhanging the cap.

1,520,813. SELECTIVE CIRCUITS FOR MULTIPLEX TRANSMISSION. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,678. 8 Claims. (Cl. 179-4.)

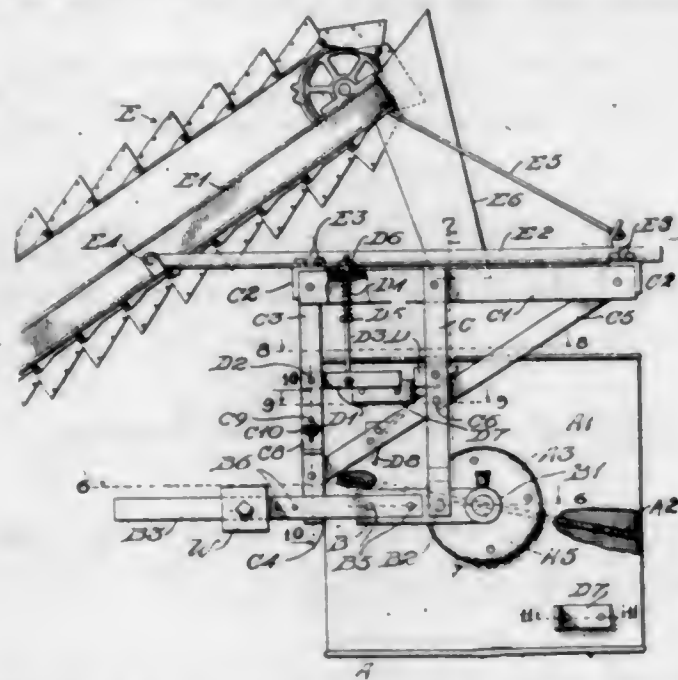


1. In a signaling system, a common transmission line, a plurality of branches from said line, whereby signaling currents of different frequencies may be impressed upon said line, band filters in each branch for readily transmitting to the line the frequencies characteristic of that particular branch, but excluding the frequencies characteristic of the other branches, the filters associated with certain of said branches being so designed as to transmit with uniform negligible attenuation, in a frequency spectrum whose limits are zero and infinity, a range of frequencies, neither of whose limits coincide with the limits of the frequency spectrum, and the filters associated with two other branches being so designed as to transmit with uniform negligible attenuation a band of frequencies lying between a given frequency and a limit of the frequency spectrum, and said filters being so designed as to effectually suppress frequencies outside the band transmitted, to such extent as to permit between bands a separation not substantially greater than the width of one of the bands.

1,520,814. AUTOMATIC WEIGHING APPARATUS. JESSE M. EVANS, Springfield, Mo. Filed Dec. 6, 1923. Serial No. 678,929. 18 Claims. (Cl. 249-19.)

1. In a weighing apparatus, the combination of a frame, a rocking structure pivoted to said frame, a rotary body pivoted on the forward part of the rocking structure and comprising a plurality of compartments opening away from the axis of said body and each compartment being deeper forward of the upright plane of the axial line when the compartment is in the upper po-

sition, stops on the rotary body, a latch member supported on the frame in the path of said stops when the ro-



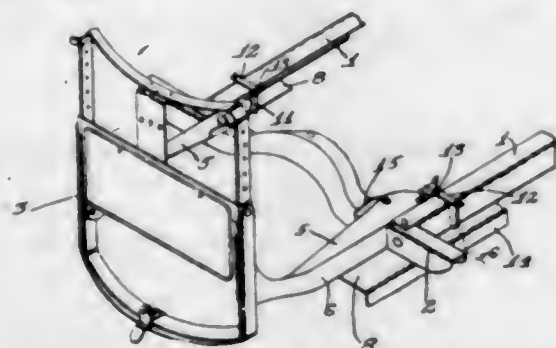
tary body is in its upper position, and a lifting member in the path of said stops when the rotary body is below its upper position, substantially as described.

1,520,815. SIGNAL. CHRISTIAN ALBERT FISCHER, Grand Forks, N. Dak. Filed Feb. 19, 1924. Serial No. 693,837. 2 Claims. (Cl. 116-40.)



2. A signal of the character described comprising an elongated casing having parallel base and cover members and a pair of parallel spaced apart side members connecting said base and cover members, an elongated signal arm supported and guided by said side members for movement to and from position to extend from said casing beyond one end of the latter, a slide block disposed in said casing and having guided limited movement longitudinally of the casing, said slide block having a handle extending through a slot in the casing exteriorly of the latter, lazy-tongs attached at one end to said signal member and at the other end to said slide block, said lazy-tongs being attached adjacent to the second end thereof to said casing, and latching means carried by said casing for engaging said block when the latter is at either of the limits of its movement longitudinally of the casing to releasably hold the slide block against movement relatively to the casing.

1,520,816. ATTACHING BRACKET FOR TIRE CARRIERS. WALTER R. GREEN, Chicago, Ill. Filed Feb. 1, 1922. Serial No. 533,207. 3 Claims. (Cl. 224-29.)



2. An attaching bracket for a tire carrier comprising a member having a vertical web with oppositely extend-

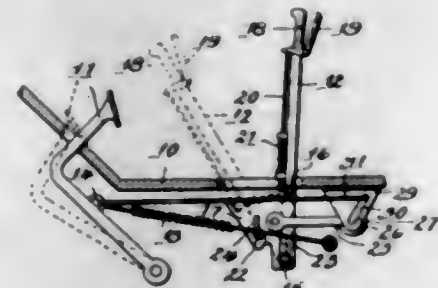
ing spaced and parallel flanges adapted for embracing upper and lower parts of the chassis and said web having a laterally extending wing for the purpose set forth.

1,520,817. GRINDING MACHINE. ORA G. HARRIS, Laurel, Miss. Filed Dec. 12, 1922. Serial No. 606,435. 11 Claims. (Cl. 51-170.)



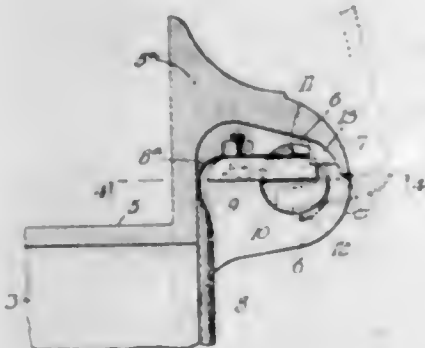
1. In a device of the class described, the combination of a suitable support, a driving pulley mounted for universal movement on said support, a shaft coupled to said pulley for rotation but shiftable longitudinal relative thereto, means for connecting said shaft to said pulley when the latter is rotating, and a grinding element on said shaft.

1,520,818. BRAKE-RELEASE ATTACHMENT FOR AUTOMOBILES. ARTHUR HIRSCHMAN, St. Paul, Minn. Filed Oct. 29, 1923. Serial No. 671,450. 5 Claims. (Cl. 74-39.)



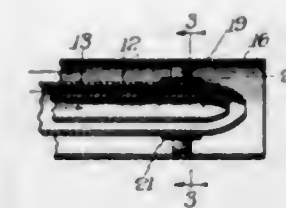
1. In an attachment for an automobile having a clutch lever and a normally inoperative brake, means for maintaining said brake in applied position, and means connected to and actuated by said clutch lever for releasing said brake.

1,520,819. DOOR FOR BASEMENT OPENINGS. FRED W. HONEN, Sterling, Ill. Filed May 15, 1922. Serial No. 561,148. 4 Claims. (Cl. 189-46.)



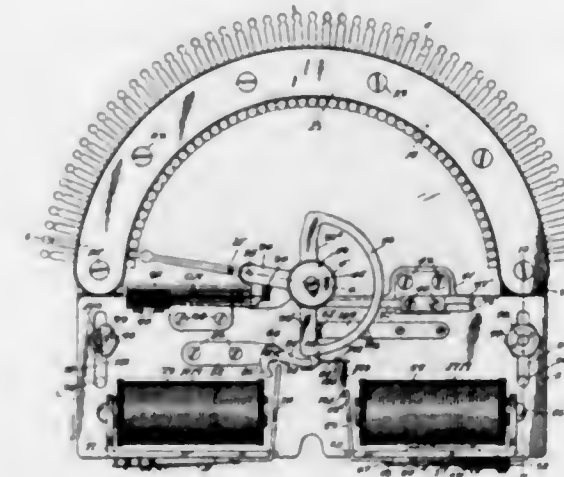
1. A closure having a frame formed with a forwardly extending hood overhanging the top edge of its opening, and a pivoted sheet metal door having a forwardly extending flange adjacent said hood and latching means, adjacent its lower edge, said hood being formed with a stop surface arranged to cooperate with the flange on said door to place it under tension when in latched position.

1,520,820. NOZZLE. JOEL L. ISAACS, Milwaukee, Wis. Filed Aug. 20, 1921. Serial No. 493,927. 3 Claims. (Cl. 91-45.)



2. In an appliance of the character described, the combination of a nozzle having means for delivering a discharge under pressure, a pipe surrounding and spaced from said nozzle, and rotary means between and adapted to restrict the flow of fluid through the passage between said nozzle and pipe.

1,520,821. AUTOMATIC SWITCH. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 9, 1920. Serial No. 394,889. 7 Claims. (Cl. 179-275.)



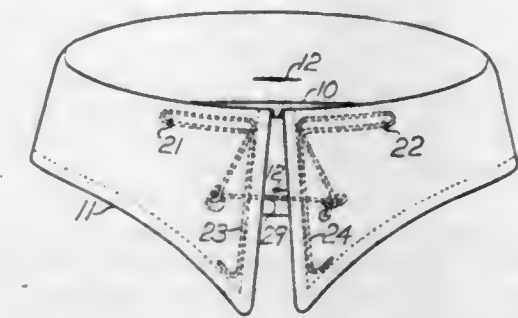
1. A single level selector, including a contact bank and supporting means therefor, a mounting plate supporting the moving parts of the selector, said mounting plate removably attached to said means, automatic guide means including lugs integrally formed on said supporting means, slots formed in said mounting plate, removable members for insuring the exact lateral and longitudinal adjustment when a new mounting plate is substituted for said first mentioned plate, contact wipers rotatably supported on said mounting plate and in operative position so that said wipers will engage the contacts in said contact bank, driving means including a ratchet and pawl mechanism for driving said contact wipers from one set of bank contacts to another set, means for operating said driving pawl, a retaining pawl for engaging the ratchet of said driving means to retain the wipers in their advanced position and also adapted to disengage said ratchet and to engage said driving pawl to permit said wipers to restore to normal by spring tension, and means for operating said retaining pawl.

1,520,822. SOFT-FOLD COLLAR AND STIFFENING DEVICE THEREFOR. JAMES M. KANE, New York, N. Y. Filed June 12, 1920. Serial No. 388,690. 10 Claims. (Cl. 2-132.)

1. A stiffening device for soft fold collars comprising a metallic elastic stiffener element for each front end of

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the collar and a connecting link hingedly connected to said elements adapted to span across the space between said

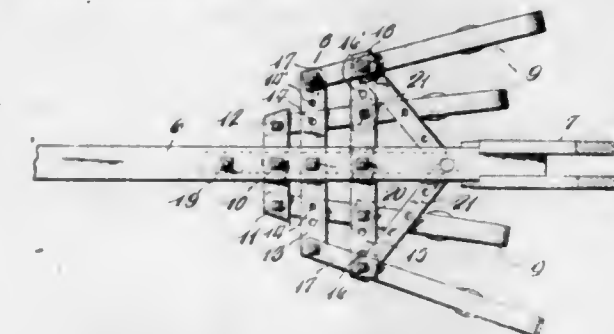


front ends, said stiffener elements being formed of wire suitably bent to permit of their being readily flexed in the direction across said space.

1,520,823. PROCESS OF ABSTRACTING GASES FROM WATER BY MEANS OF METALLIC FILTERS. PAUL KESTNER, Boulogne-sur-Seine, France. Filed Apr. 16, 1921. Serial No. 461,924. 2 Claims. (Cl. 210-9.)

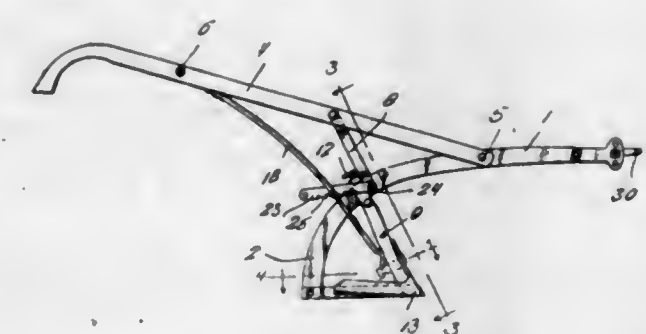
1. The method of treating adherent rust formed on the surfaces of iron filter masses in the extraction of oxygen from water which comprises effecting reaction between the iron and the rust in the presence of water to convert the rust into a lower hydrated form.

1,520,824. CULTIVATOR. JOHN W. KIMBROUGH, Haleyville, Ala. Filed June 2, 1923. Serial No. 643,061. 1 Claim. (Cl. 97-175.)



A cultivator comprising a draw beam, three transverse supporting bars arranged upon the under side of said draw beam, a set of substantially U-shaped retaining clips arranged adjustably in spaced relation on the lower face of the rear bar, and a set of spring tooth shovels having their forward portions received in said clips and the extreme ends secured to the advance bar of said draw beam.

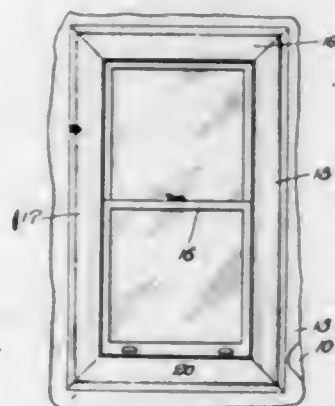
1,520,825. PLOW. ROMIE A. KINLAW, Fayetteville, N. C. Filed Mar. 8, 1924. Serial No. 697,803. 3 Claims. (Cl. 27-198.1.)



1. A plow comprising a beam, a standard adjustably supported on the rear end thereof, a sweep blade, a fastening member extending through the sweep blade and through the lower portion of said standard, an elongated

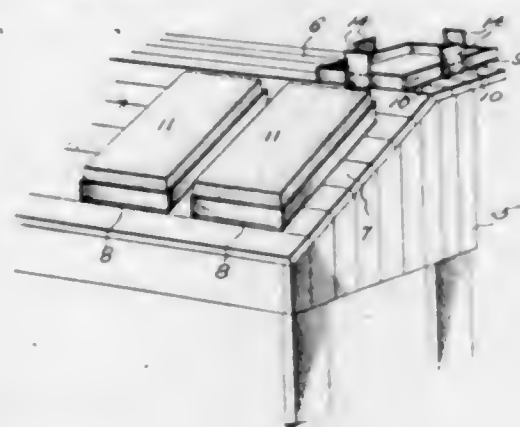
flexible strip of metal having its lower end in engagement with the inner end of said fastening member for holding the sweep blade in position on said standard, and a lever pivotally mounted at one end on said plow beam and adapted to extend through an opening provided in the adjacent portion of said flexible strip, said lever having teeth formed on one of its edges for co-operation with the opening formed in the flexible strip for supporting the same on said plow beam.

1,520,826. METAL FACING FOR DOOR AND WINDOW OPENINGS. GEORGE A. KNAPP, Chicago, Ill., assignor to Knapp Brothers Manufacturing Company, a Corporation of Illinois. Filed Mar. 20, 1922. Serial No. 345,024. 16 Claims. (Cl. 189-75.)



1. A sheet metal facing for a wall opening, to partly cover two angularly related surfaces in the wall, the combination of means for reinforcing one edge of the facing which is to be flush with the plastered wall and for holding it spaced away from the underlying wall and means to connect said reinforcing means to the flush marginal edge of the facing.

1,520,827. SHIPPING CASE. MARCE LEE, Chicago, Ill. Filed May 10, 1924. Serial No. 712,323. 3 Claims. (Cl. 217-13.)



1. A shipping case comprising upper and lower sections having side and end walls arranged in edge to edge contact, and strips carried by the side and end walls of one of the sections and arranged in overlapping relation with the side and end walls of the other section, and means to rigidly connect the overlapped portions of said strips to the adjacent sections whereby the two sections are securely and positively connected.

1,520,828. REFUSE CONTAINER. HENRY J. LEWIS, Milwaukee, Wis. Filed Sept. 18, 1922. Serial No. 588,907. 1 Claim. (Cl. 220-87.)

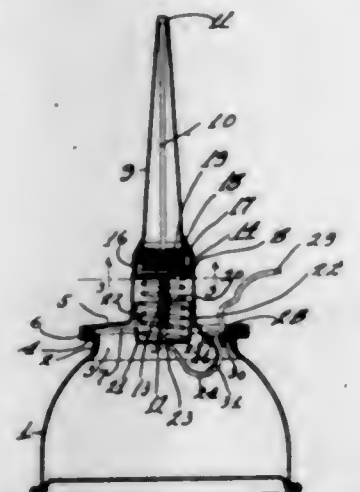
A disinfecting device adapted to be positioned wholly within a cylindrical container, said device containing a bottom portion consisting of a sector shaped receptacle having a perforated top, a shield secured to the curved edge of said receptacle and free therefrom adjacent

the straight edge thereof, said shield being spaced upwardly from said perforated top, and a vertical pipe



extending upwardly from adjacent such curved edge and communicating with said receptacle, said pipe having a cap at its upper end.

1,520,829. OIL CAN. GUSTAVE LIDSEEN, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,456. 9 Claims. (Cl. 221-46.)



1. The combination with an oil can spout, of an outlet valve therein, a check valve therein, and means for forcing a limited quantity of oil past said check valve and opening said outlet valve, whereby the oil fed past said check valve may discharge by gravity.

1,520,830. PACKING MEANS FOR THE BLADES OF STEAM TURBINES. FREDRIK LJUNGSTRÖM, Lidings-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 17, 1922. Serial No. 582,548. 5 Claims. (Cl. 253-77.)



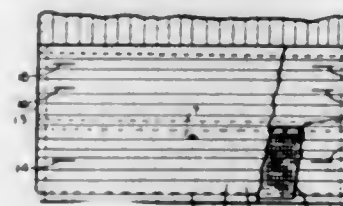
1. A turbine blade having a narrow tightening edge projecting from the end of the blade, said edge being of

less width than the blade along substantially the whole length of the edge and having a length less than the length of the end of the blade.

1,520,831. METHOD OF RECOVERING ALUMINUM CHLORIDE. ALMER McDUFFIE MCAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 1, 1923. Serial No. 622,214. 9 Claims. (Cl. 23-13.)

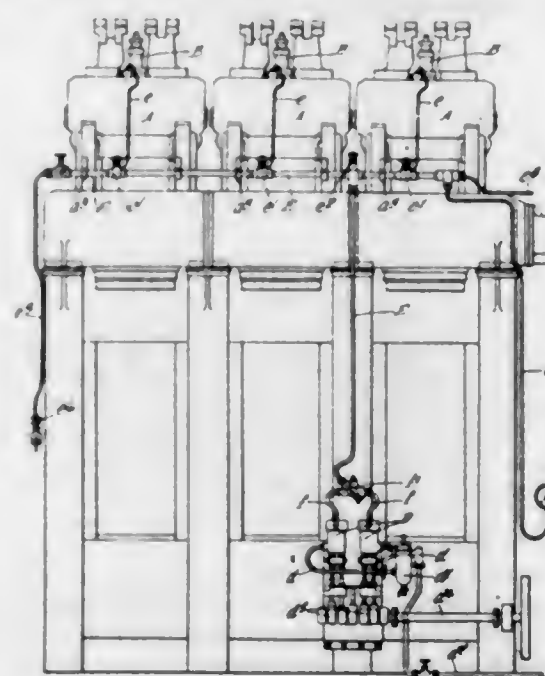
1. In the recovery of anhydrous aluminum chloride from oil residues containing the same the steps which comprise heating such residues under conditions permitting access of air and ignition of oil vapors until contained oil is removed in whole or in part, and thereafter continuing the heating in the absence of air.

1,520,832. SHIRT CUFF. JOHN BRADFORD MCCONNELL, Montreal, Quebec, Canada. Filed Dec. 24, 1923. Serial No. 682,390. 1 Claim. (Cl. 2-123.)



A shirt cuff adapted for attachment to the sleeve of a shirt at the rear edge of the cuff, said cuff comprising inner and outer facings and a lining between the facings extending the full width of the front half only of the cuff, the front half being provided with a button hole at each side edge and the rear half being provided with a pair of button holes at each side edge, all the button holes at each side edge adapted to register when the cuff is given a double V fold.

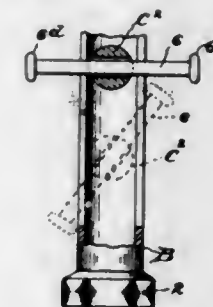
1,520,833. MEANS FOR SUPPLYING LIQUID FUEL TO INTERNAL-COMBUSTION ENGINES. JAMES MCKECHNIE, Barrow-in-Furness, County of Lancaster, England, assignor to Vickers Limited, Westminster, England. Filed Feb. 28, 1921. Serial No. 448,498. 5 Claims. (Cl. 123-32.)



1. In a multicylinder internal combustion engine, a plurality of cylinders, an injection valve for liquid fuel unmixed with air at each cylinder, mechanism for opening said valves in the required order and for regulated periods, a fuel supply conduit for a plurality of

cylinders leading to each of said injection valves, a liquid fuel pump connected to the said common fuel supply conduit, said fuel supply conduit having relatively thin walls and relatively large cross-sectional area for a substantial portion of its length to give sufficient elasticity to distort under the pressure of the fuel in the supply conduit to increase the capacity of the fuel supply conduit, whereby upon the opening of one of said injection valves the fuel supply conduit contracts sufficiently to inject a charge of fuel into one of the said cylinders without the use of any special accumulators in the fuel supply system to obtain the proper injection of a charge of fuel into one of the said cylinders.

1,520,834. MULTIFORM TOOL. GEORGE E. MALONE, Hartford, Conn. Filed Aug. 9, 1923. Serial No. 656,577. 7 Claims. (Cl. 81-177.)



1. In a multi-form implement, a body member having a hollow interior and having a wrench-end at one end of said hollow interior; a handle passing transversely through the mid portion of the body member and slidably movable in the longitudinal line of the body member providing lever means for operating the implement; vertically sliding guide means, in said hollow body member through which said handle reciprocates transversely and means on said handle for limiting movement thereof transversely of the body-member for retaining the handle in assembled relation to the body member.

1,520,835. METHOD OF RECEIVING ELECTRICAL OSCILLATIONS. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921. Serial No. 498,414. 4 Claims. (Cl. 250-8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

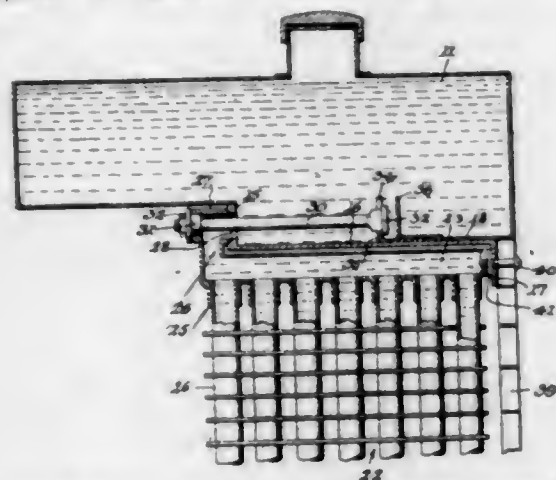
1. A method of receiving electrical oscillations which includes heterodyning the received energy by current, the frequency of which differs by an audio frequency from a multiple of the fundamental frequency of the received energy.

1,520,836. KEYBOARD FOR MAIL-DISTRIBUTING MACHINES. ROBERT J. MITCHELL, Washington, D. C., assignor to Mitchell Machine Company, Washington, D. C., a Corporation of Delaware. Filed May 28, 1919. Serial No. 300,378. 1 Claim. (Cl. 214-11.)



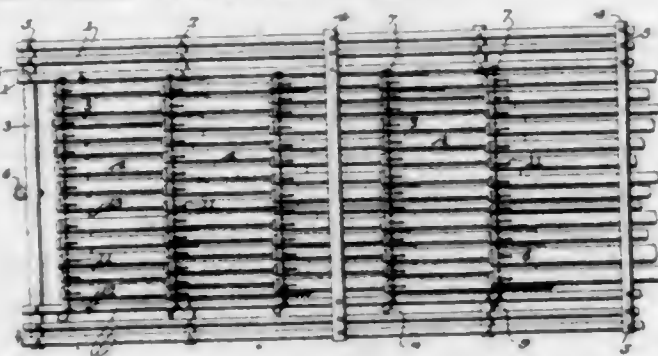
In a distributing machine having a plurality of adjacent operating members, a keyboard above said operating members comprising a base plate having a plurality of key openings therein above said operating members, keys provided with push rods extending through some of said openings and having guide pins of shorter length than said push rods extending through adjacent openings, said keys having finger tips with indicia thereon above the push rods and guide pins.

1,520,837. AUTOMOBILE RADIATOR. JOSEPH F. MORGAN, Thorp, Wis. Filed Aug. 30, 1923. Serial No. 660,210. 3 Claims. (Cl. 257-129.)



1. An automobile radiator, comprising upper and lower reservoirs having side walls provided with openings, upper and lower tubular headers arranged between the upper and lower reservoirs, tubes connecting said headers, tubular coupling heads extending laterally and outwardly from the headers and having their bores of larger diameter than the bores of the tubular headers, said tubular coupling heads having their forward and rear ends open, such forward ends engaging at the openings in the side walls, lock bolts arranged within the reservoirs exteriorly of the headers and extending through the tubular coupling heads, caps having screw threaded engagement with the rear ends of the lock-bolts and closing the rear ends of the coupling heads, and slotted elements anchored within the upper and lower reservoirs for detachable locking engagement with the forward ends of the bolts.

1,520,838. BUOYANT RAFT. EDWARD MOUNTAIN, Greenville, Me., assignor of one-half to George Mountain, Jr., Greenville, Me. Filed May 24, 1924. Serial No. 715,569. 6 Claims. (Cl. 9-13.)



1. A buoyant raft comprising side members each composed of a plurality of rows and tiers of logs, horizontal spacing members intermediate each pair of said rows, transverse members extending from one side of the raft to the other and connecting said side members, means for fastening said members together, transverse chains carried by the said members, and devices carried by said chains for engaging the logs to be supported by said raft.

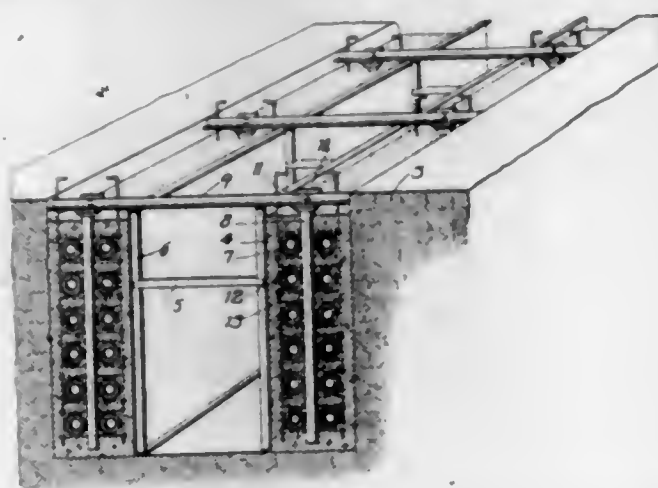
1,520,839. ELECTRIC TORCH HOLDER. WILLIAM C. MÜHLHAUSEN, Brooklyn, N. Y. Filed Apr. 18, 1922. Serial No. 554,955. 3 Claims. (Cl. 240-52.)



1. In combination, a cylindrical torch having outwardly threaded end portions, interiorly threaded caps engageable with said threaded end portions and when engaged

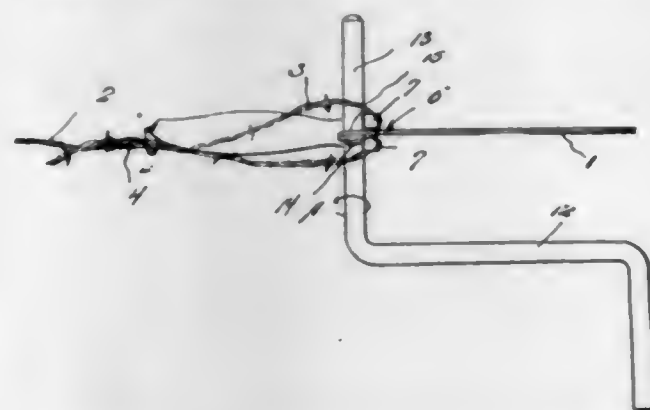
therewith providing outward corrugations on said end portions, a sinuous holder providing a series of indentations odd in number extending from end to end of the holder and having eyes at its ends engageable with said corrugations for removably attaching the holder to the torch, and a clip engageable with the middle indentation of the holder for supporting the torch in a horizontal position.

1,520,840. APPARATUS AND METHOD FOR MOLDING CONDUITS AND THE LIKE. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Feb. 4, 1924. Serial No. 690,412. 11 Claims. (Cl. 25-128.)



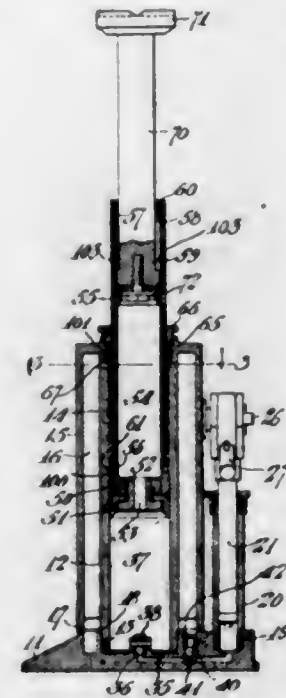
1. The method of forming a structure of plastic material with an opening therein which consists in holding a core in place by removable positioning means outside of the core, casting the plastic material about said core and positioning means and withdrawing the latter.

1,520,841. WIRE STRETCHER. FAUSTO MUSSO, Newcastle, Wyo. Filed Aug. 1, 1924. Serial No. 729,553. 1 Claim. (Cl. 254-161.)



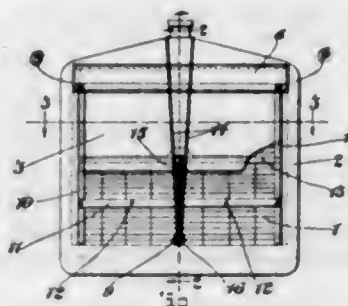
In a wire stretching device, a connector in the form of a strip, of metal having one end directed laterally downward and having its extremity bent to form a hook, the opposite end of the strip being bent laterally in a horizontal plane and said last named bent end being bifurcated and the extremities of the furcations being bent to provide a pair of spaced hooks, the bend extending between said horizontally bent ends and the body portion of the strip constituting a bearing seat, a bent wire having one end looped, the right portion of said loop being seated in said spaced hooks and the twisted portion of the loop being engaged with the first named hook, a separate and independent hand crank having a lateral cylindrical extension functioning as a drum, said drum being seated for rotation in said bearing seat and being partially held in place by said wire loop, and a pull wire extending between said furcations and attached to said drum to be wound upon the latter.

1,520,842. JACK. HARRY C. NEWMAN, Los Angeles, Calif., assignor of one-third to H. D. Eberle and one-third to Spencer C. Rogers, both of Los Angeles, Calif. Filed June 28, 1921. Serial No. 481,136. 1 Claim. (Cl. 138-9.)



A jack including: a cylinder closed at its lower end and having ports in its wall near its upper end; a hollow piston including a head on its lower end slidable in said cylinder in fluid-tight contact therewith, said piston having a port in its head and ports in its upper end; a stuffing box on the upper end of said cylinder through which said piston extends; a tube surrounding said piston and extending downwardly through said stuffing box in fluid-tight contact therewith, the upper end of said tube being secured to the upper end of said piston, there being a fluid return space formed between said piston and said tube, the upper end of said space communicating with said ports in the upper end of said piston, said return space being in open communication with the interior of said cylinder at a point above said piston head and below said stuffing box; a second piston slidable inside said hollow piston; a piston rod secured to said second piston projecting upwardly outside said first piston; and a closure about said piston rod at the upper end of said first piston.

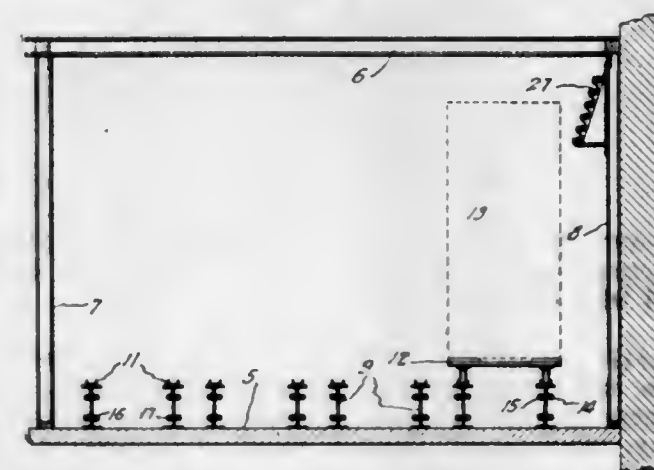
1,520,843. RADIATOR CURTAIN OR COVER. ROBERT L. PATE, Springfield, Mo. Filed Aug. 23, 1920. Serial No. 405,372. 2 Claims. (Cl. 257-132.)



1. The combination with a radiator of an automobile, and a radiator shell, of a supporting enclosure at the top of the radiator having its upper edge forming an impenetrable connection with the radiator shell and leaving a space between its lower edge and the radiator, a roller supported for rotation in said enclosure, a curtain having one end attached to the roller and being movable upwardly and downwardly at the front of the radiator through said space to increase or reduce the exposed

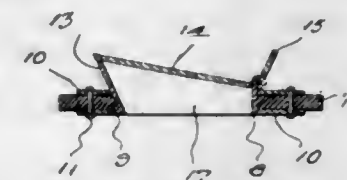
working area of the radiator, means in connection with the radiator for engaging the side edges of the curtain passing through said space to guide the curtain and to hold the curtain close to the radiator, and a reinforcing strip in connection with the lower edge of the curtain extending across in front of the radiator and holding the curtain properly spread across close to the front of the radiator and with its edges engaging said means.

1,520,844. DRYING KILN. ELMER E. PERKINS, Chicago, Ill., assignor to Elmer E. Perkins Company, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1923. Serial No. 645,733. 10 Claims. (Cl. 34-19.)



10. The combination in a drying room, of heating pipes disposed in spaced relation in proximity to the floor of the room, and truck supporting members located parallel with and above said pipes in position to prevent material being dried from falling onto said pipes, said members being arranged in spaced relation so that communication between the space surrounding said pipes and the room above said members is established between said members.

1,520,845. COMBINED BOTTLE STOPPER AND POURING SPOUT. PAUL HERMAN BAKER, Bluffton, Ind. Filed Feb. 23, 1924. Serial No. 694,754. 1 Claim. (Cl. 215-48.)

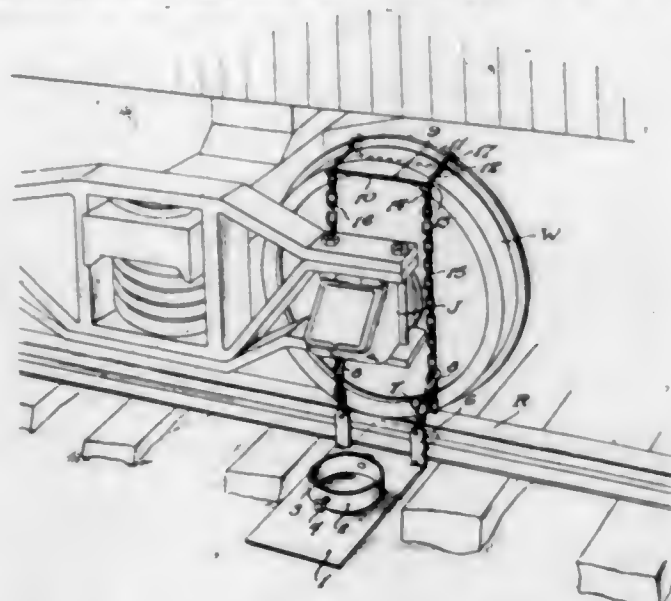


A bottle stopper comprising a pair of disks of relatively inflexible material and provided at their centers with an opening, a disk of relatively flexible material interposed between the first mentioned disk and provided at its center with an opening which registers with the openings in the first mentioned disk, the flexible disk having a peripheral marginal portion which projects beyond the peripheral edges of the first mentioned disk and a spout member passing through the openings of all of the disks and having a lid hingedly connected thereto.

1,520,846. JACK STAND. WILLIAM MOOR BARRY and EDMOND HALL BECKER, Mexia, Tex. Filed July 31, 1923. Serial No. 654,871. 3 Claims. (Cl. 254-34.)

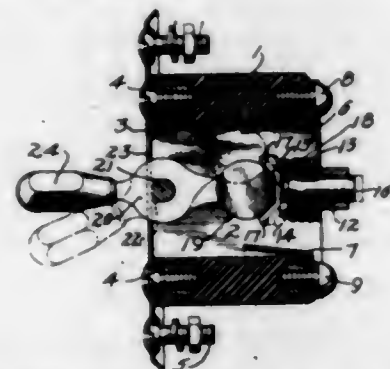
1. A lifting jack stand of the class described comprising a jack supporting base, having a portion to engage be-

neath a rail and upstanding ears at opposite sides thereof and adapted to bear against the base of the rail, hooks connected to the said ears, an anchoring frame formed to



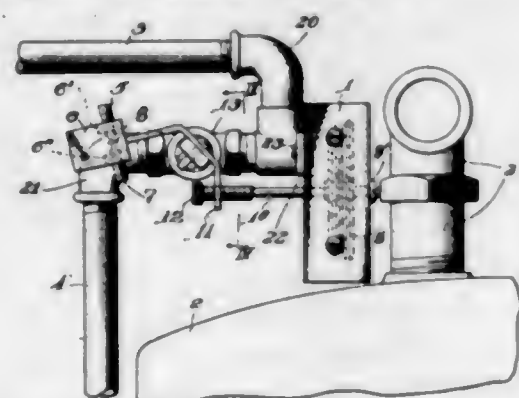
seat over the upper side of a car wheel, and flexible connecting elements extending from the frame and connected with the said hooks.

1,520,847. ELECTRIC SWITCH. JAMES H. BARTHOLOMEW and RAYMOND H. BOARDMAN, Meriden, Conn., assignors to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed July 17, 1923. Serial No. 632,048. 8 Claims. (Cl. 200-67.)



1. In an electric switch, a body of insulating material having a passage therethrough, a movable contact member constrained to move in a straight line, a fixed contact, an operating lever pivotally mounted on said body, a bridging contact member mounted on said operating lever and insulated therefrom for bridging said fixed and movable contacts, and means associated with said movable contact for moving said bridging contact member with a snap action.

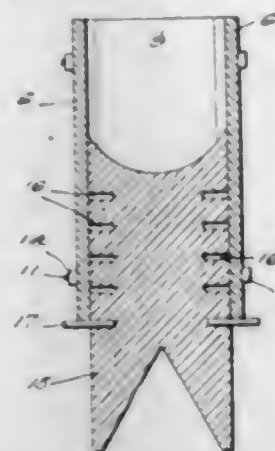
1,520,848. HOT-WATER REGULATOR. WALLACE G. BECKERT, Cornopolis, Pa. Filed Aug. 26, 1922. Serial No. 384,523. 6 Claims. (Cl. 236-32.)



3. A thermostatic control apparatus comprising a conduit, a rotary valve interposed therein, a lever fixed to the said valve and carrying a weight at one end thereof tending to rotate the valve in one direction, an adjustable

abutment block carried by the lever, and a rod projecting from the thermostat and contacting the said block whereby to rotate the valve in the opposite direction against the influence of said weight.

1,520,849. MONUMENT MOLD. RAY M. BIRNBACH, Little Rock, Ark. Filed Aug. 7, 1924. Serial No. 730,647. 1 Claim. (Cl. 25-123.)



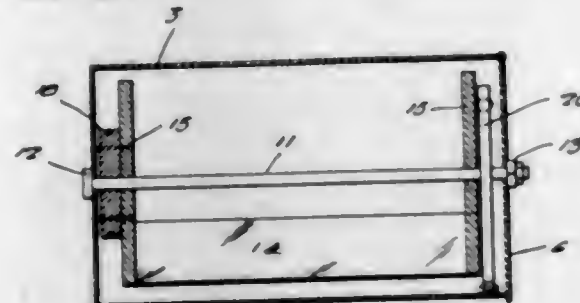
In a mold of the character described, a readily knock-down casing open at its upper and lower ends, a core over which the casing is to be partially disposed, means for supporting said casing upon said core, said means comprising detachable laterally extending pins carried by the core and upon which the lower end of the casing is adapted to rest.

1,520,850. DEPOSITING PLATE FOR LEAD MOLD IMPRESSIONS. ANTHONY S. BOYER, St. Paul, Minn. Filed July 3, 1923. Serial No. 649,219. 2 Claims. (Cl. 204-5.)



1. An electroplate support comprising a backing plate, spaced guide members mounted thereon, and having edge portions which are spaced from the adjacent surface of the backing plate, said portions being provided at intervals with notches, and a guide bar adapted to bridge the space between the guide members and having end portions adapted to enter the notches thereof and provided at its ends with downwardly disposed tongues adapted to engage behind the inner portions of the guide members and at the lower edges of the notches thereof.

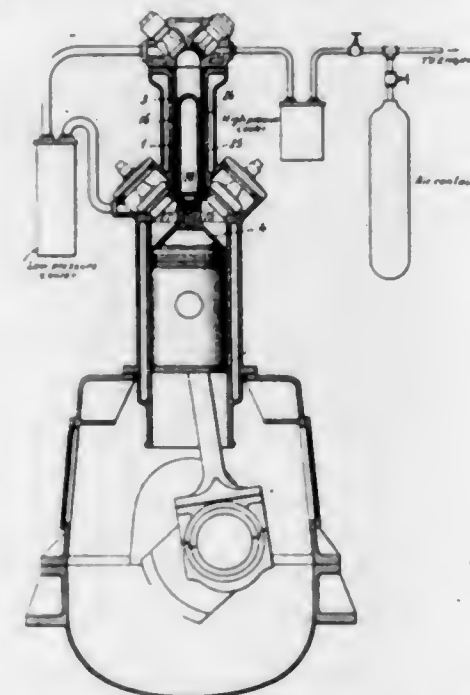
1,520,851. MOTION AND DIRECTION INDICATOR FOR VEHICLES. RAY F. BROWN, Chester, Iowa. Filed Feb. 16, 1924. Serial No. 693,310. 1 Claim. (Cl. 116-43.)



A vehicle signal comprising a cylindrical casing closed at one end and open at its opposite end, a hinged cover for the last named end, a rotor insertable into the casing through the open end, said rotor being provided with a shaft journaled in bearing openings in said closed end and cover, an arcuate transparent signal carrying sheet carried by said rotor, said casing being provided with a sight opening through which the signals on said sheet are rendered visible, spring means connected at one end to the rotor and anchored at its opposite end to the casing, for maintaining the rotor in the predetermined position, and for automatically returning it to said position

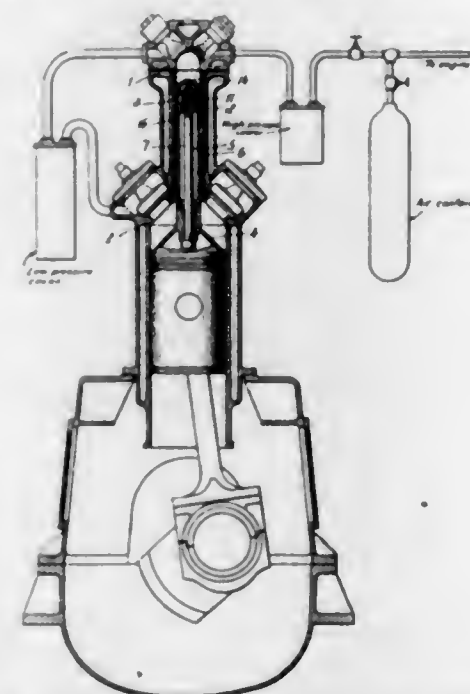
after each operation, and illuminating elements carried by the casing for projecting light rays through said transparent sheet, and removable means on one end of the aforesaid rotor shaft, cooperating with said hinged cover to maintain the latter closed.

1,520,852. AIR-COMPRESSOR PISTON. FRANK TAYLOR CABLE, New London, Conn., assignor to Electric Boat Company, a Corporation of New Jersey. Filed June 30, 1920. Serial No. 393,066. 7 Claims. (Cl. 230-27.)



3. In a multi-stage air-compressor or the like, the combination of a plurality of cylinders of progressively increasing pressure, a plurality of pistons in substantial alignment, mounted to reciprocate within their respective cylinders, and having no mechanical connection with one another, contact between adjacent pistons being maintained by the air pressure within the higher pressure cylinder.

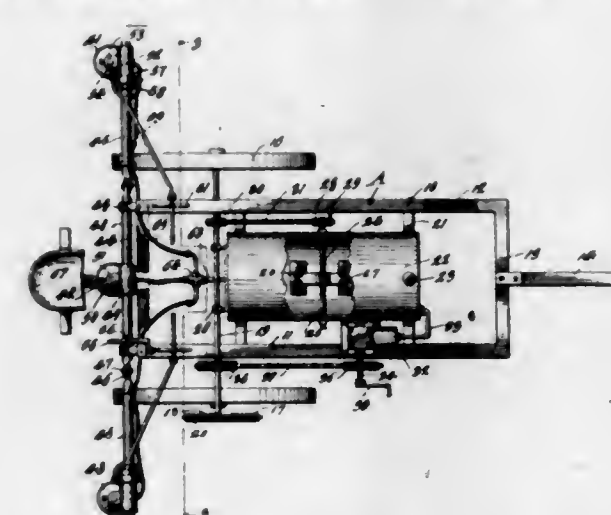
1,520,853. AIR-COMPRESSOR PISTON. FRANK T. CABLE, New London, Conn., assignor to Electric Boat Company, a Corporation of New Jersey. Original application filed June 30, 1920, Serial No. 393,066. Divided and this application filed Feb. 10, 1923. Serial No. 618,257. 7 Claims. (Cl. 230-27.)



1. In a two-stage air-compressor the combination of a first-stage piston, a rod extending from the outer end thereof, a nut on the outer end of the rod, a hollow

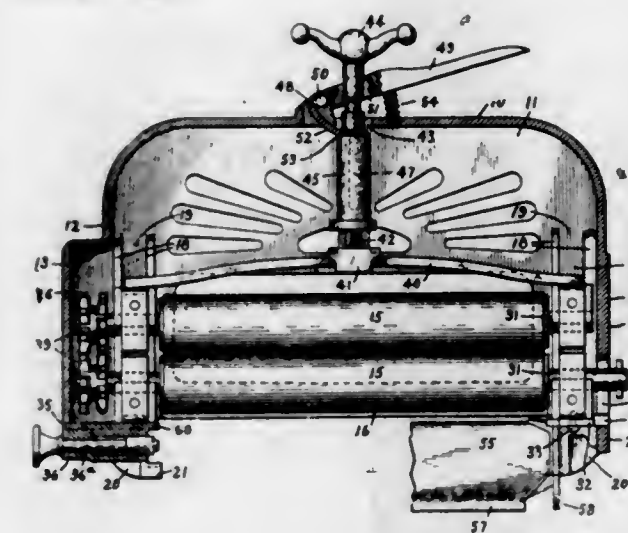
second-stage piston, and an annular flange therein, the nut on the rod bearing against the annular flange to hold the second-stage piston in place on the first-stage piston, there being clearances between the rod and the second-stage piston permitting slight relative movement between the two pistons.

1,520,854. BOLL-WEEVIL-SPRAYING MACHINE. NATHAN A. CARTER, Earl, Ark. Filed Aug. 4, 1923. Serial No. 655,634. 3 Claims. (Cl. 299-40.)



1. A machine of the class described including a wheel carried frame, a spray head support having an intermediate section rotatably mounted on the frame, and end sections pivotally connected to opposite ends of the intermediate section and extending outwardly therefrom, spray heads mounted on said sections, cooperating means carried by the intermediate section and the frame manually operable for rotating said support relative to the frame, to change the angular relation of the spray head, bracket members mounted on opposite sides of the frame, and levers carried by said end sections having a plurality of notches adapted for cooperation with the bracket members, said levers being operable to move the end sections on their pivots with the intermediate sections and the bracket members, when in cooperation with the notches, being adapted to retain said end sections in an adjusted position.

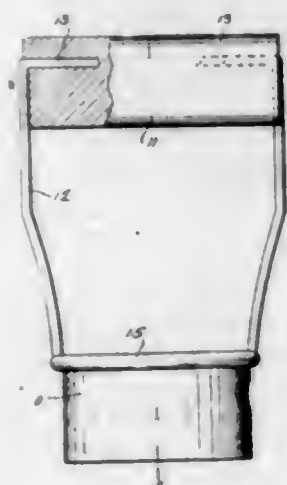
1,520,855. CLOTHES WRINGER. FRANCIS M. CASE, Cleveland, Ohio, assignor, by mesne assignments, to The Foote-Burt Company, a Corporation of Ohio. Filed Mar. 30, 1921. Serial No. 456,981. 5 Claims. (Cl. 68-32.)



1. In a wringer, an integral metal frame comprising a top member and two channel shaped end members, the end members being open at their lower ends, integral ribs forming longitudinal grooves on the opposed faces of the side walls of the end members which grooves

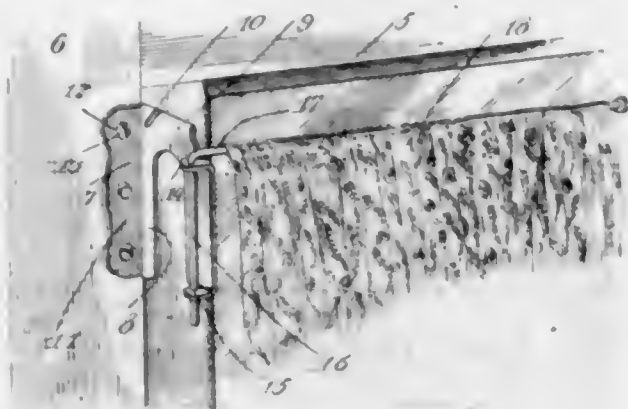
extend upwardly from the open lower ends of said end members, bearing blocks slidably mounted in said grooves, wringer rolls having shafts carried by said bearing blocks, said wringer rolls and bearing blocks being adapted to be fed into place from the bottom of the wringer frame, plates fastened over the open ends of said channels for supporting the bearing blocks, spring means engaging the bearing blocks for holding the rolls in yielding engagement with each other, and a member operable from outside the frame for regulating the tension of said spring means, a drain board, and supporting means for the drain board carried by the lower ends of said end members.

1,520,856. CHOPPING KNIFE AND CAKE CUTTER. NATHAN G. COSMAN, National City, Calif. Filed June 26, 1924. Serial No. 722,569. 1 Claim. (Cl. 107-51.)



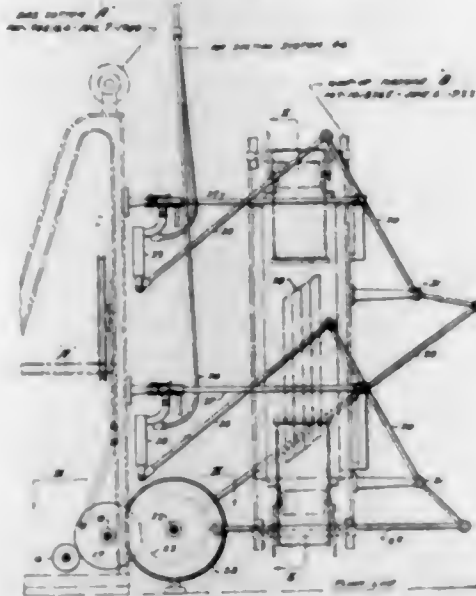
An implement of the character described comprising an annular knife blade, a handle disposed diametrically with relation to the upper end of the knife blade, and supporting legs extending downward from opposite ends of the handle to the upper end of the blade, the lower ends of said legs being curved semi-circularly in opposite directions and engaging the upper edge of the blade, the upper edge of the blade being bent to fit said outwardly bowed portions of the legs.

1,520,857. CURTAIN BRACKET. OMER COURTOIS, Manchester, N. H. Filed Sept. 26, 1921. Serial No. 503,237. 1 Claim. (Cl. 156-22.)



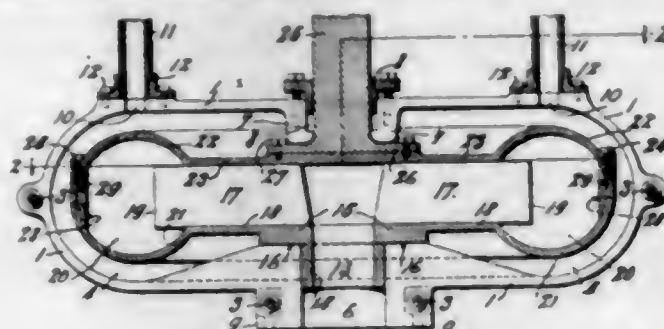
A curtain bracket comprising a U-shaped piece of metal, one of the legs thereof being bent longitudinally to form a flange adapted for attachment to a wall, the remaining leg bent at its ends to form a pair of parallel ears projecting outwardly from the leg, said ears being apertured for the passage of a curtain rod therethrough, the back of the U-shaped member being bent over upon itself for reinforcement and notched for the support of a window shade roller.

1,520,858. FABRIC-HANDLING MACHINE. JULIEN F. CULLEN, Portland, Oreg., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Oct. 9, 1922. Serial No. 593,388. 5 Claims. (Cl. 271-74.)



1. The combination with a textile ply cutting machine and a juxtaposed ply removing conveyor, of a pick-off device operably associated in timed relation with the cutter and adapted to pick-off strips from the cutter and deposit same upon the conveyor, automatically, said pick-off device having means for relating its operating cycle, selectively, to various cutting strokes of the cutting machine whereby one or more plies may be selectively removed by a single operation of the pick-off.

1,520,859. CENTRIFUGAL PUMP. TAD DANFORD and ALBION F. CURTIS, Granby, Colo. Filed Apr. 12, 1923. Serial No. 631,586. 8 Claims. (Cl. 103-101.)

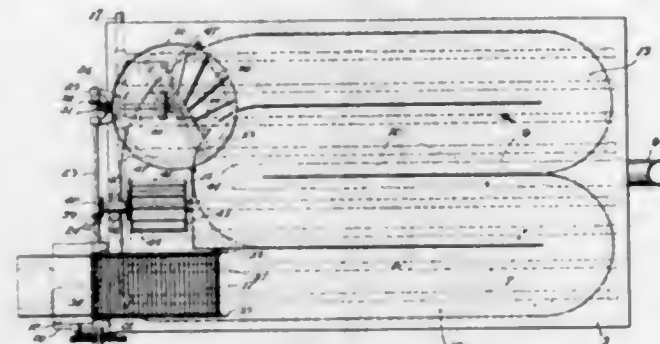


1. A pump of the class described comprising a casing having openings for the entrance and egress of fluid, a rotor journaled within the casing, means for turning the rotor, said rotor having an axial suction duct and a peripheral annular chamber connected with said duct by a passage of less cross sectional area than that of the annular chamber, said rotor having peripheral discharge ports, the combined areas of which are materially less than the area of the suction opening, for the purposes specified.

1,520,860. POTATO-CHIP-FRYING MACHINE. EMIL A. DENZ, Chicago, Ill. Filed Dec. 3, 1923. Serial No. 678,356. 6 Claims. (Cl. 53-7.)

6. In combination in a potato chip frying machine, a rectangular tank, vertical partitions dividing the tank into a continuous tortuous channel a portion of which extends across one end of the tank, a frame mounted on the outside of the tank at one side of the said end, a drive shaft mounted in the frame above the top of the tank and extending across the end, a jack shaft geared to the drive shaft and extending over the top of the tank, a slicing mechanism geared to the jack shaft and mounted over the end portion of the channel, a second jack shaft geared to the drive shaft and extending over the top of the tank and positioned between the first men-

tioned jack shaft and the frame, an impeller mounted in the channel below the second mentioned jack shaft and having its spindle located below the top of the tank, a driving connection from the second mentioned jack shaft to the spindle, a conveyor having its drive shaft mounted



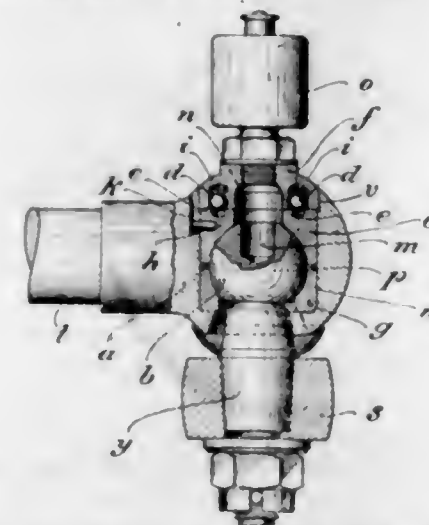
in the frame and geared to the main drive shaft mentioned above and having its frame pivoted on the conveyor drive shaft and the lower end of the frame resting on the bottom of the channel, and means mounted on the frame for actuating the main drive shaft.

1,520,861. BELT-FASTENER-APPLYING DEVICE. JAMES K. DIAMOND, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Filed July 31, 1924. Serial No. 729,346. 6 Claims. (Cl. 1-50.)



1. In a structure of the class described, the combination of a base having upturned ears at its ends and longitudinal side flanges, a fastener holder disposed with its ends in spaced relation to said ears, said holder having transverse slots and a longitudinal hole adapted to receive a fastener retaining pin, a pin disposed through said ears and longitudinally of said holder, a locking key disposed transversely through said holder to engage said pin, and a pair of jaws provided with downwardly and inwardly projecting arms disposed between said ears and the ends of said holder and having elongated pivot openings therein engaging said pin, said side flanges of said base constituting stops for supporting said jaws in their open position.

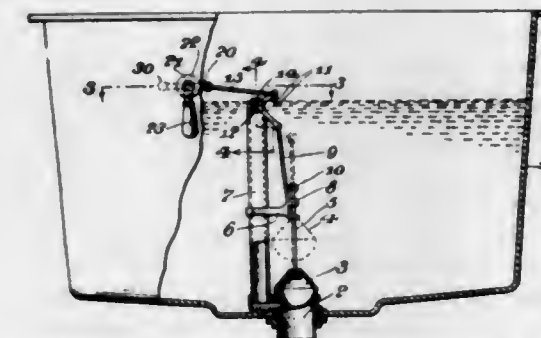
1,520,862. SPHERICAL JOINT. FRITZ FAUDI, Dusseldorf-Oberkassel, Germany. Filed Apr. 25, 1924. Serial No. 708,955. 2 Claims. (Cl. 287-93.)



1. A ball and socket joint of the type set forth, comprising in combination with a machine part, a spherical pivot fixed to said machine part and presenting in its top portion a lubricant chamber, a second machine part presenting a chambered head, two bushings in comple-

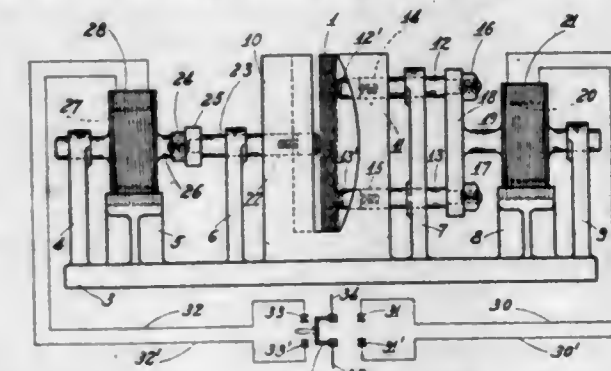
mental disposition in said head chamber for journaling between them said spherical head, means for preventing relative rotary displacement between the upper bushing and said head, resilient packing and spacing means interposed between said two bushings, an axially perforated closure cap for said head chamber screwing into said second machine part, and said cap and said packing and spacing means jointly serving for securing said bushings in their proper position, for controlling the lubrication between bushings and pivot, for controlling the operative pressure between said bushings and said pivot, and for compensating the wear of the movable cooperating surfaces of said pivot and said bushings, a lubricating device associated with said screw cap for feeding a lubricant through said cap and said upper bushing to the outer surface of said pivot and to said pivot chamber, and means interposed between said upper bushing and said cap for preventing unintentional loosening of the latter.

1,520,863. VALVE-OPERATING MEANS FOR FLUSH TANKS. WILLIAM U. GRIFFITHS, Llanwellyn, Pa., assignor to I X L Pump and Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 20, 1921. Serial No. 486,213. 2 Claims. (Cl. 4-67.)



1. In mechanism for opening the valve of a flush tank for water closet apparatus, the combination of an overflow pipe, a two-armed lever, a fulcrum for said lever, an inverted U-shaped device adapted to ride upon the edge of a portion of the upper end of the said overflow pipe, the said fulcrum having screw threaded connection with the said device and being adapted to clamp and hold the said device in position upon the upper end of the said pipe, a shaft having a crank arm projecting laterally from the inner end portion thereof, a connecting link between the said crank arm and the outer end of one of the arms of said two-armed lever, a depending handle having connection with the said shaft and being adapted to cause rotary movements of the said shaft, and connections between the other arm of said two-armed lever and the said valve whereby actuation of the said crank arm causes rotation of the said two-armed lever and actuation of the said valve, substantially as described.

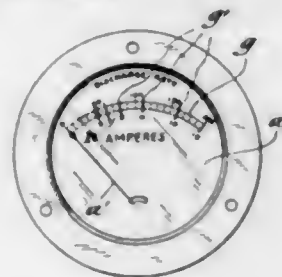
1,520,864. OPENING AND SEPARATING MACHINE. JOHN B. HENRY, Asplund, Pa. Filed Aug. 18, 1922. Serial No. 582,642. 4 Claims. (Cl. 29-17.)



4. A machine for flexing packs of superposed metal sheets to separate the sheets thereof comprising a support, perforated limiting abutments fixed to said sup-

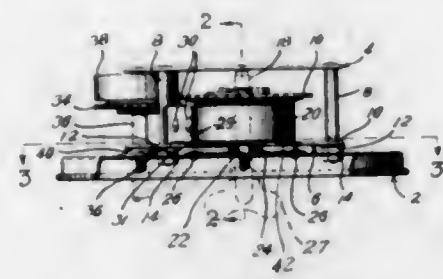
port and spaced from each other, the facing surfaces of said abutments being curved and the axes of curvature of said surfaces being disposed angularly with respect to each other, reciprocating plungers slidingly fitting the perforations in the abutments the inner extremities of which are adapted to contact the opposite sides of the pack, the outer extremities of said plungers being operatively connected to the armatures of electro-magnets, and means for alternately energizing the coils of said magnets whereby to alternately flex the pack in different directions.

1,520,865. APPARATUS AND METER FOR TESTING BATTERIES. BENJAMIN F. W. HEYER, Montclair, N. J. Filed Sept. 21, 1922. Serial No. 589,565. 4 Claims. (Cl. 175-183.)



3. Apparatus for testing batteries by the drop test method comprising in combination an ammeter, a volt meter and an adjustable resistance in circuit, said elements being connectible in circuit with the battery to be tested and with the volt meter across the battery terminals and calibrations on the ammeter including heavy markings for batteries of varying numbers of plates and placed on the ampere scale at the proper point with reference to the desirable discharge rate for such batteries, respectively, and calibrations on the volt meter including heavy marks indicating the condition of the battery when discharging at the predetermined rate indicated on the ammeter.

1,520,866. CLOCK. ALBERT P. HODGE, Winsted, Conn., assignor to William L. Gilbert Clock Company, Winsted, Conn., a Corporation of Connecticut. Filed Dec. 22, 1922. Serial No. 608,397. 4 Claims. (Cl. 58-52.)

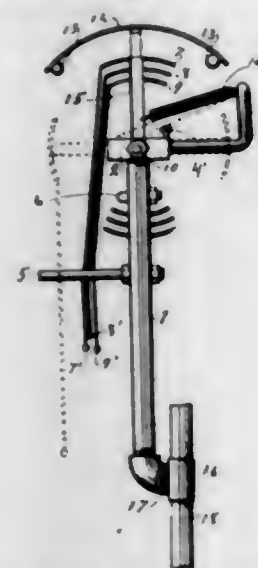


1. A clock of the type having its casing provided with a removable back cover having, in combination, a frame having front and rear frame members, means for detachably securing said frame to the back cover, a clock mechanism comprising a driving gear, an arbor for said gear having one end journaled in the front frame member, a bearing member for the other end of said arbor secured to said back cover and through which said end extends, and a main spring having one end detachably connected with said frame and its other end connected with said arbor, said parts being constructed and arranged so as to enable the arbor, gear and spring to be removed from said frame when said frame is removed from the cover.

1,520,867. AUTOMOBILE SIGNAL. WILLIAM HOEY, Grand Rapids, Mich. Filed Apr. 7, 1924. Serial No. 704,668. 4 Claims. (Cl. 116-45.)

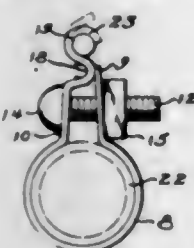
1. In a direction indicator for automobiles, a supporting standard, a shaft extending at right angles from one

side of the standard, a pair of arms revolubly mounted at their longitudinal centers upon said shaft, a plate mounted at each end of each pair of said arms, means



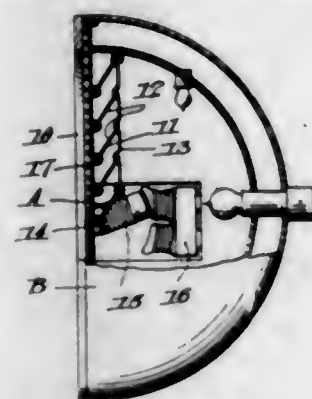
for revolving said arms into horizontal positions, and means for returning said arms, automatically into normal positions.

1,520,868. ELECTRIC GROUND CLAMP. RAYMOND M. HUTTON, Philadelphia, Pa. Filed Jan. 27, 1921. Serial No. 440,253. 4 Claims. (Cl. 173-273.)



4. A clamp of the character described including a partial ring portion and end portions extending therefrom and spaced apart, one of the ends being bent to provide a groove for reception of a conduit wire; inwardly pressed lugs in the sides of the groove adapted to embrace the greater portion of the circumference of the wire and hold it within the groove, and means for moving the end portions toward each other whereby the device may be secured to a pipe, substantially as described.

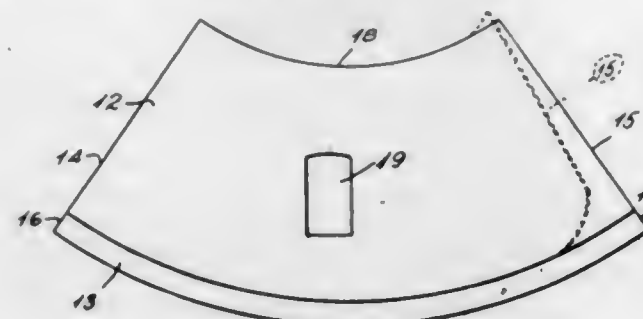
1,520,869. SHUTTER FOR AUTOMOBILE HEADLIGHTS AND THE LIKE. GASTON BROWN KILLAM, Calgary, Alberta, Canada. Filed June 15, 1923. Serial No. 645,606. 1 Claim. (Cl. 240-45.2.)



A shutter for automobile headlights, comprising a plurality of metal rods pivotally mounted in the headlight, the lowermost being extended outside the casing, a plurality of shutters fixedly secured on said rods, a vertically arranged rod having waves therein, each adapted to connect with a shutter, a compartment on the side of the headlight, receiving the extension of the lower rod, a contact member fixedly secured on said extension, a

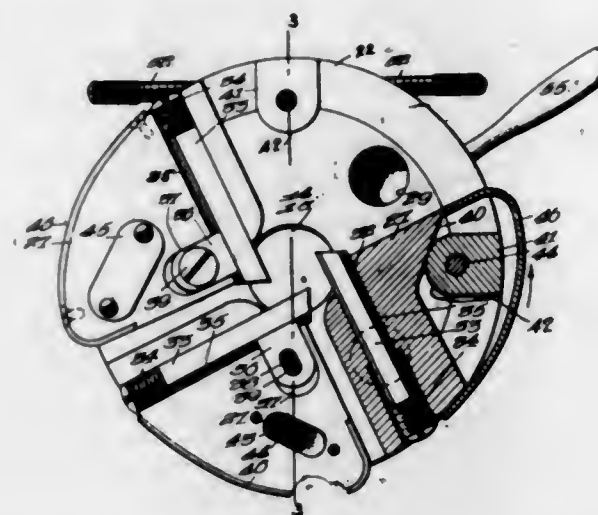
double acting electric magnet in the compartment adapted to coincide with the contact member, whereby on the operation of the driver, the shutter may be raised or lowered.

1,520,870. METHOD OF MANUFACTURING MILK BOTTLES AND LIKE CONSTRUCTIONS. LYDIA B. KOCH, New York, N. Y., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a Corporation of Delaware. Filed July 30, 1923. Serial No. 654,764. 6 Claims. (Cl. 229-4.5.)



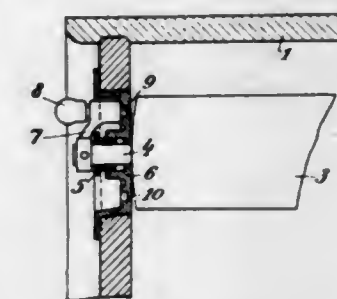
6. A method of manufacturing milk bottles and like constructions consisting in simultaneously forming curved segmental blanks, said blanks being formed from paper sheets, said sheets being concentric and of different radial lengths, said lengths having within their margins a view opening formed simultaneously therein and offset from the center of the circumferential length thereof; then adhesively securing said blanks to each other in superposed reversed relation with the view openings in register, thereby forming at the ends of said adhered blanks, overhanging single ply extensions; then inserting between said blanks in line with said registering openings, a transparent material; and then adhesively securing in permanent relation said blanks and transparent material.

1,520,871. DIE HEAD. VICTOR R. KOONTZ, Waynesboro, Pa., assignor, by mesne assignments, to Landis Machine Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed July 26, 1921. Serial No. 487,652. 11 Claims. (Cl. 10-96.)



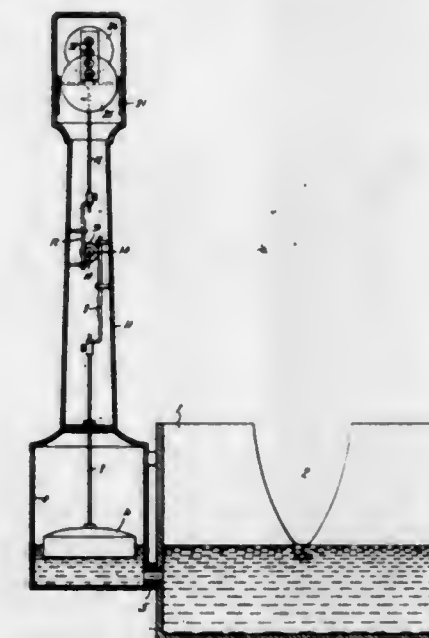
1. In a die head, the combination with relatively rotatable members, of means for effecting their relative rotation, a cutter holder pivotally mounted on one of the members and having a cutter-receiving socket, and an abutment on the other member having a slidable bearing against the cutter holder behind and in a line with the cutting end of a cutter held in the socket of the holder and in the same plane with such socket and holder, said line being transverse to the cutter receiving socket and said abutment acting to effect the movement of the cutter holder and hold it in a predetermined position.

1,520,872. ARRANGEMENT IN CHURNS FOR CHURNING AND WORKING BUTTER. LARS PETER LARSEN, Horsens, Denmark. Filed Feb. 25, 1922. Serial No. 539,116. 2 Claims. (Cl. 259-84.)



1. In a churn, a barrel revoluble on a substantially horizontal axis, working rollers journaled in said barrel revoluble on a substantially horizontal axis, a lifting flight revoluble on a likewise substantially horizontal axis, disposed between the working roller which is nearest to the wall of said barrel and said wall itself, said lifting flight having at each end a trunnion, said trunnions journaled in bearings in the end walls of said barrel, the one trunnion extended beyond said end wall, attached to said extending trunnion, a lever, and means for securing said lever in adjusted position.

1,520,873. MEASURING AND INTEGRATING MECHANISM. CHARLES C. LAURITSEN, Cleveland, Ohio, assignor, by mesne assignments, to The Swartwout Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 20, 1920. Serial No. 432,080. 7 Claims. (Cl. 235-61.)

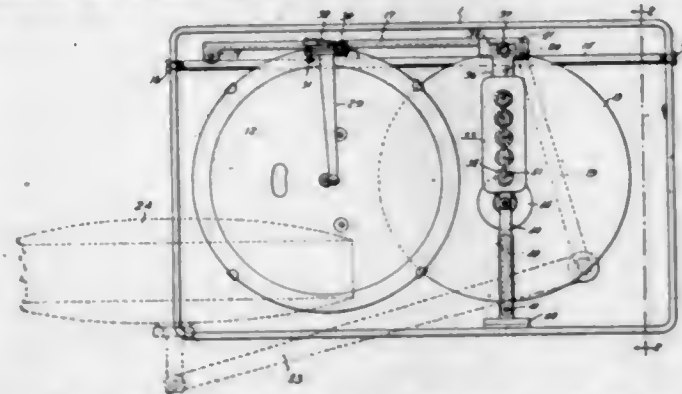


1. A mechanism of the character described comprising a disk adapted to rotate at a constant speed, an indicating mechanism having a driving wheel in operative connection therewith, a second disk interposed between said constant speed disk and said driving wheel, said parts being so arranged that said driving wheel will contact with the center of said interposed disk at the same time that the outer edge of said interposed disk contacts with the center of said constant speed disk, and means for moving said interposed disk to cause said constant speed disk to drive said wheel at a speed which varies as the square of a variable.

1,520,874. RECORDING AND INDICATING MECHANISM. CHARLES C. LAURITSEN, Cleveland, Ohio, assignor, by mesne assignments, to The Swartwout Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 6, 1921. Serial No. 435,314. 12 Claims. (Cl. 234-10.)

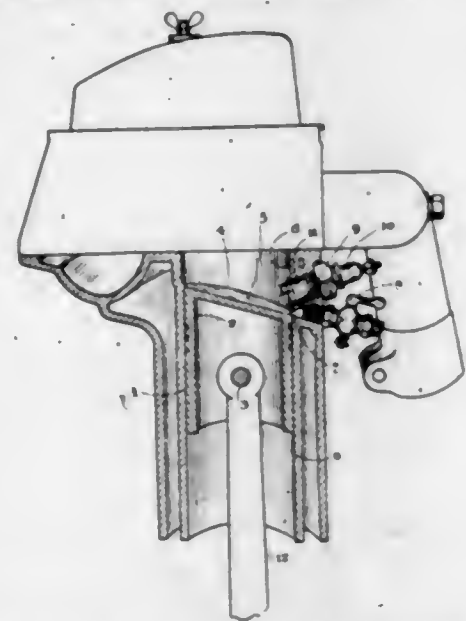
2. A mechanism of the character described comprising two disks, means for rotating each of said disks at con-

stant speeds, a stylus adapted to engage a sheet attached to one of said disks, an angularly disposed wheel having a peripheral portion in contact with the surface of the other of said disks, numerical indicating means connected with said wheel, interconnecting means between



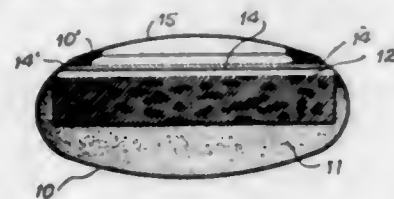
said stylus and said wheel for moving them in unison along a radius of each disk and means for moving said interconnecting means to cause said stylus and said indicating means to measure a quantity which varies as the square of a variable.

1,520,875. INTERNAL-COMBUSTION ENGINE. ALPHONSE JOSEPH LAVOIE, Montreal, Quebec, Canada. Filed Dec. 9, 1920, Serial No. 429,483. Renewed Sept. 29, 1924. 1 Claim. (Cl. 123-193.)



In an internal combustion engine, a cylinder having a sloping drain opening from the explosion chamber having its upper side converging to accommodate an opening for the spark plug, a spark plug screw-threaded into the latter opening, a pet cock screw-threaded into the drain opening and a piston having an inclined head forming a face flush with said drain opening in the uppermost position of the piston.

1,520,876. POWDER PUFF. HORTENSE LICHTENTAG, New York, N. Y.; Ruth Paskin, administratrix of said Hortense Lichtentag, deceased, assignor to herself and Louis Paskin, a Copartnership doing business as Paris Laboratories, New York, N. Y. Filed Mar. 31, 1923. Serial No. 628,958. 10 Claims. (Cl. 132-78.5.)



10. A magazine powder puff comprising an outer container of pervious material, and air-discharging means in the form of a disk of rubber sponge within the same.

1,520,877. PROCESS OF MAKING DECORATED LEATHER SUBSTITUTE AND THE PRODUCT THEREOF. HENRI A. LINDSEY, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 24, 1921. Serial No. 447,559. 4 Claims. (Cl. 41-26.)



1. The process of making decorated leather substitute having a patterned-fabric appearance which comprises, applying a pigmented, opaque, web-concealing leather-substitute film to a textile fabric base, decorating said film with figures to pattern the film, as distinguished from decorating the fabric base, and uniformly embossing the entire film, both the figures and the plain areas therebetween, to represent the weave of a textile fabric.

1,520,878. METHOD OF FORMING REINFORCED CEMENTITIOUS SLABS. HERBERT E. MARKS, Glen Osborne, Pa. Filed Feb. 14, 1924. Serial No. 692,681. 4 Claims. (Cl. 25-154.)



1. The method of forming reinforced cementitious slabs which consists in forming a cementitious slab with grooves in its tension face, inserting reinforcing members in said grooves, and filling the grooves with a cementitious material that will bond with the material of the slab.

1,520,879. AUTO LUNCH BOX. HARRY MILNE, Edmonton, Alberta, Canada, assignor of one-half to Harry Arthur Blodgett, Edmonton, Alberta, Canada. Filed July 21, 1923. Serial No. 652,954. 1 Claim. (Cl. 190-12.)

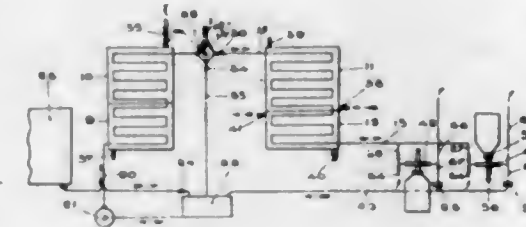


In an auto lunch box, an elongated box having a lid closing down on the sides and ends, hinges secured to the front wall of the box, an extensible table secured to said hinges and formed of inner and outer sections hinged to one another, and supporting brackets formed of a plurality of struts having offset ends fitting into corresponding sockets at the box bottom and inwardly extending strips pivotally secured to the outer ends of the struts and pivoted to an inner section of the extensible table and in collapsing the said table adapted to be swung around lengthwise with the box.

1,520,880. STERILIZING AND FILLING IN OF MILK FOR TRANSPORT. NIELS JONAS NIELSEN, Aarhus, Denmark. Filed May 9, 1922. Serial No. 559,508. 23 Claims. (Cl. 99-2.)

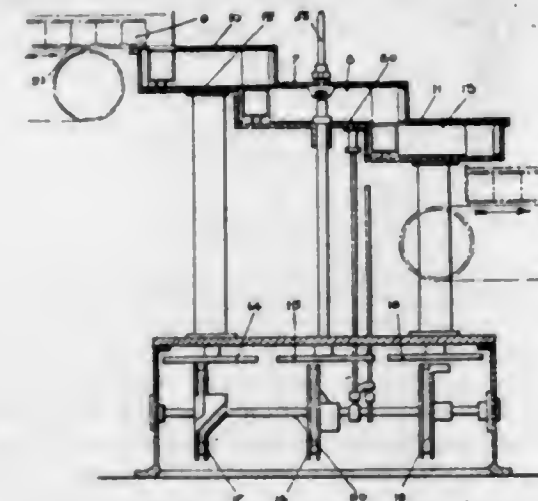
1. In an apparatus of the character described, a system of tubes forming a continuous conduit having an inlet end and a branched outlet end, pumping means con-

nected with the inlet end of the conduit, means for heating a portion of the conduit lying contiguous to the pumping means to a temperature above 100° centigrade, means



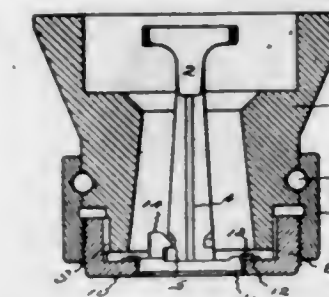
for cooling a portion of the conduit lying beyond the heating means, vessel filling devices connected with the branches of the conduit, and vessel sterilizing means associated with the filling devices.

1,520,881. APPARATUS FOR CLOSING HERMETICAL BOXES OR THE LIKE. NIELS JONAS NIELSEN, Aarhus, Denmark. Filed Nov. 27, 1922. Serial No. 603,721. 5 Claims. (Cl. 113-82.)



1. In apparatus for closing hermetically sealed boxes, the combination with a vacuum chamber having a rotatable disk adapted to support a box while the latter is being sealed, of air sluices situated above and below the said vacuum chamber and having rotatable disks mounted therein, the disk in one of said sluices being adapted to drop a box onto the disk of the vacuum chamber, and the disk in the other one of said air sluices being adapted to receive a sealed box dropped from the rotatable disk of the vacuum chamber, and means for rotating said disks in timed relation.

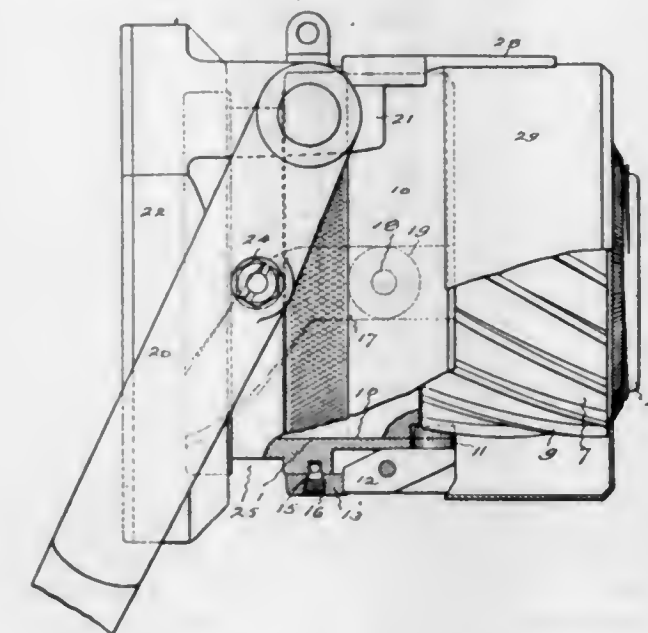
1,520,882. COLLET CHUCK. EMIL L. PFUNDER, Windsor, Conn., assignor to The J. M. Ney Company, Hartford, Conn., a Corporation of Connecticut. Filed June 28, 1923. Serial No. 648,180. 3 Claims. (Cl. 279-59.)



1. A collet chuck having a body with a conical opening, a spring collet located in said opening, the jaws of the collet having notches in their sides near the outer ends, a collar movable longitudinally on the body, said collar

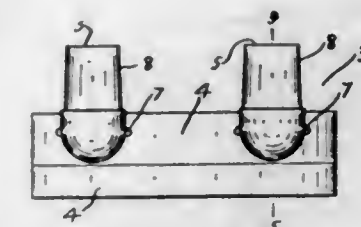
having an inwardly extending flange at its outer end adapted to engage and force the collet inward, an annular plate detachably secured to the inside of the flange of the collar, hooks bent inward from the annular plate and adapted to engage the outer walls of the notches in the collet jaws and draw the collet outward, a sleeve rotatably mounted on the body, and a threaded connection between the sleeve and collar whereby the rotation of the former will move the latter longitudinally.

1,520,883. CHUCK. EMIL L. PFUNDER, Windsor, Conn., assignor to The J. M. Ney Company, Hartford, Conn., a Statute Corporation of Connecticut. Filed Jan. 11, 1924. Serial No. 685,520. 11 Claims. (Cl. 279-59.)



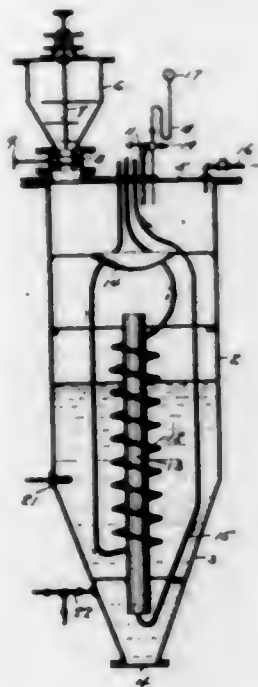
1. In a chuck of the character described in combination with the body and means for controlling the position of a collet in the body, of a sleeve rotatably and longitudinally movable upon the body, means carried by the sleeve for actuating the collet controlling means during the reciprocation of the sleeve, means for reciprocating the sleeve, and means for rotating the sleeve during a part of its reciprocating movements the means for actuating the collet controlling means being also affected thereby for increasing the effect of its reciprocating movements on the collet controlling means.

1,520,884. TOE-CALK FOR HORSESHOES. WALTER FRANKLIN PITCHER, Joliet, Ill. Filed Jan. 11, 1924. Serial No. 685,619. 1 Claim. (Cl. 168-41.)



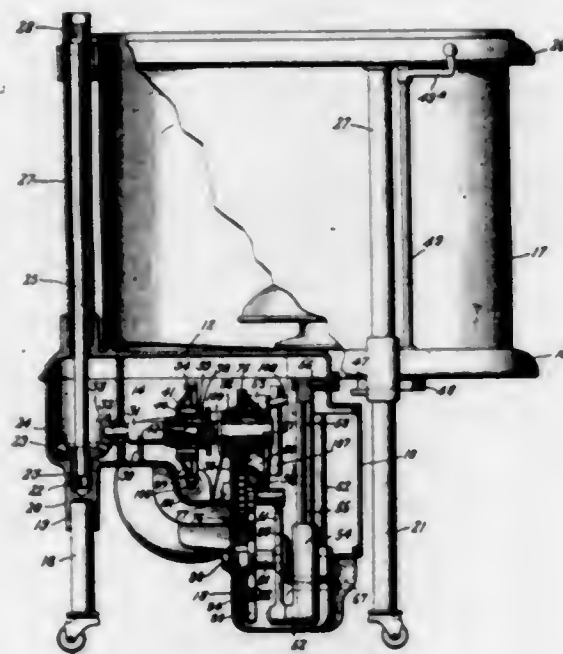
A removable toe-calk for horseshoes, comprising a blade, a plurality of shanks, the lower ends of said shanks bifurcated and adapted to grip the upper edge of the blade, means co-acting between the blade and shanks for preventing movement of the shanks axially, and means permitting adjustment of the distance between the shanks

1,520,885. PROCESS OF AND APPARATUS FOR OXIDIZING CARBON COMPOUNDS. FORREST J. RANKIN, St. Louis, Mo. Filed June 9, 1921. Serial No. 476,240. 9 Claims. (Cl. 260—116.)



9. The process of producing oxalic acid, which comprises dropping finely divided rice hulls into a hot oxygen saturated nitric acid maintained under pressure, agitating the mixture with an oxygen containing gas and separating oxalic acid from the resultant liquor.

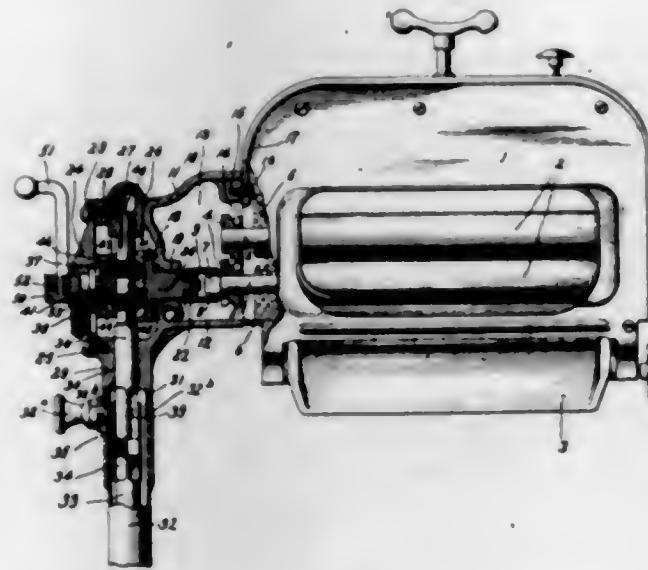
1,520,886. WASHING AND WRINGING MACHINE. GEORGE E. RANGLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed Sept. 29, 1922. Serial No. 591,400. 31 Claims. (Cl. 68—19.)



9. In a washing machine, the combination of a tub, a plunger rod which extends up through the bottom of the tub, means for reciprocating the plunger rod, means for giving the plunger rod a turning movement during

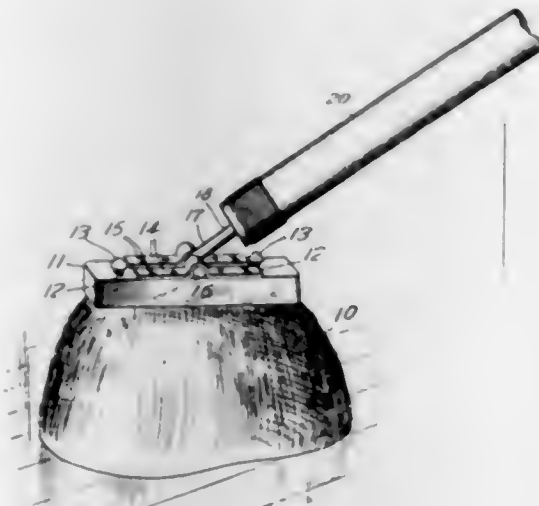
the upper portion of its stroke, and means for positively locking the rod against turning except at the upper portion of its stroke.

1,520,887. REVERSING GEARING FOR CLOTHES WRINGERS. GEORGE E. RANGLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed May 27, 1924. Serial No. 716,253. 8 Claims. (Cl. 74—58.)



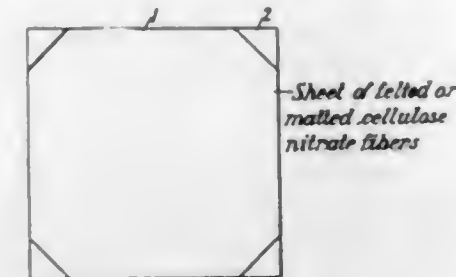
1. In a wringer, the combination of a casing, a crown gear wheel journaled in a wall of the casing, a shaft which extends parallel to the face of the crown gear wheel, pinion means on the shaft located within the confines of the crown gear wheel, a shifter block for said pinion shaft, said block having a part which engages the face of the crown gear wheel to hold it in its bearing, and means for moving the shifter block to bring the pinion means into engagement with the crown gear wheel.

1,520,888. FLOOR CLEANING AND POLISHING APPARATUS. JUAN E. ROMAGOSA SANCHEZ, San Jose, Costa Rica. Filed May 7, 1924. Serial No. 711,613. 2 Claims. (Cl. 15—104.)



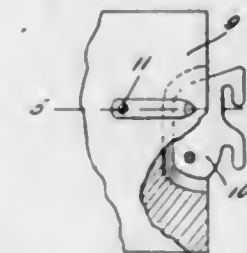
1. In a floor-cleaning and polishing apparatus, the combination of a cupped section of a mature and dry cocoa-nut, a handle and means attaching said handle to the dome of said section.

1,520,889. SEPARATOR FOR ELECTRIC BATTERIES. VIRGIL H. SEASE, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 8, 1920. Serial No. 394,799. 2 Claims. (Cl. 204—29.)



2. As a new article of manufacture an electric battery separator comprising a perforated sheet of colloidal cellulose nitrate, the perforations being at least partly filled with threads or fibers of cellulose nitrate containing from 11 to 13% nitrogen.

1,520,890. BED HOOK PIN. JAMES B. SECHRIST, Red Lion, Pa. Filed Mar. 31, 1924. Serial No. 703,226. 3 Claims. (Cl. 5—296.)



1. A bed hook pin for beds, wherein the bed includes head and foot portions having posts for supporting the bed, each post being formed for removably receiving and holding a securing plate carried by the end of a side bar of the bed, the end of said side bar being formed with a recess for receiving a portion of the securing plate and having transverse openings for registry with openings in the securing plate; comprising a cylindrical body portion adapted to seat and fit in the transverse opening in the side bar and the opening in the securing plate, one end of said body having a flat lateral extension adapted to fit against the side bar and extend to a point beyond the recess portion thereof, and securing means for fastening the ends of said lateral extensions to the side bars beyond the recessed portion, and thereby holding the securing plate in the side bar and distributing the stress applied to the cylindrical body portion over a substantially large area.

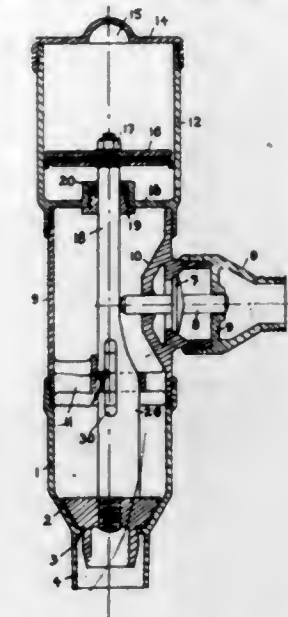
1,520,891. SOIL-TESTING MEANS AND PROCESS OF APPLYING AND USING THE SAME. CHARLES H. SPURWAY, Lansing, Mich. Filed Jan. 30, 1923. Serial No. 615,916. 4 Claims. (Cl. 23—30.)

1. A solution for testing soils consisting of 0.25 gram of brom-thymol-blue dye dissolved in one liter of neutral distilled water, adjusted to predetermine hydrogen ion concentration by use of a saturated solution of calcium hydroxide as the neutralizing agent.

1,520,892. WASHING VALVE FOR WATER-CLOSETS AND THE LIKE. SVERRE JOHAN STEENSEN, Christiania, Norway. Filed Apr. 25, 1922. Serial No. 556,464. 2 Claims. (Cl. 137—93.)

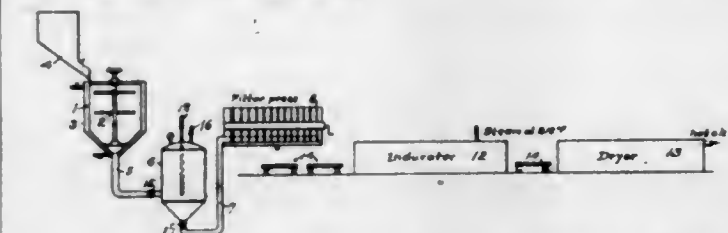
2. In a washing valve for water-closets and the like an inlet valve, a discharge valve, an airbrake, a cam portion of the valve stem connecting with the stem of the inlet valve, a handle a curved arm connected to the same,

a groove in the rod of the discharge valve taking up the said arm, an annular extension projecting downwards from the discharge valve, an enlarged portion on the said



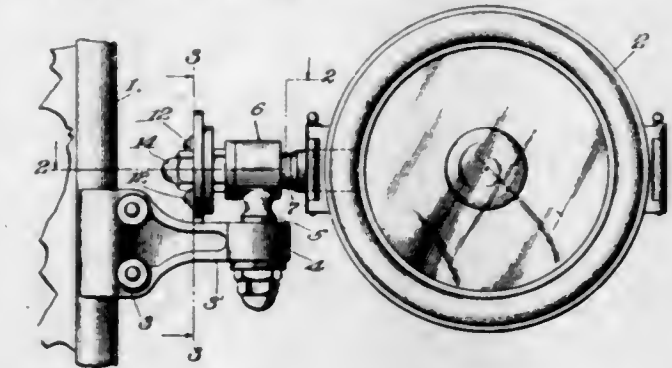
extension a flange in the sleeve of the discharge valve arranged so as to nearly close the passage of the discharging water when the valve is to be closed.

1,520,893. SEMIREFRACTORY HEAT INSULATING MATERIAL AND METHOD OF MAKING THE SAME. CLARK S. TEITSWORTH, Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Dec. 1, 1923. Serial No. 678,030. 7 Claims. (Cl. 18—47.5.)



1. The method of making a heat insulating composition which consists in subjecting a mixture comprising diatomaceous earth and lime to the action of heat and agitation in the presence of water, then molding the mixture to desired shape and subjecting the molded material to the action of steam at substantially atmospheric pressure to indurate the material and subjecting the indurated material to a drying operation.

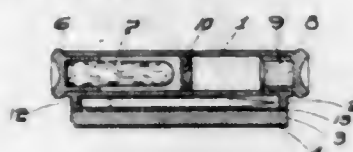
1,520,894. SEARCHLIGHT FOR AUTOMOBILES. HAROLD D. THOMAS, Chicago, Ill., assignor to Vesta Battery Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 9, 1920. Serial No. 387,725. 8 Claims. (Cl. 240—61.)



1. The combination with a searchlight, of an arm for attachment to a vehicle, a horizontal spindle on said searchlight and having a projecting end located substantially in the vertical plane through said arm when

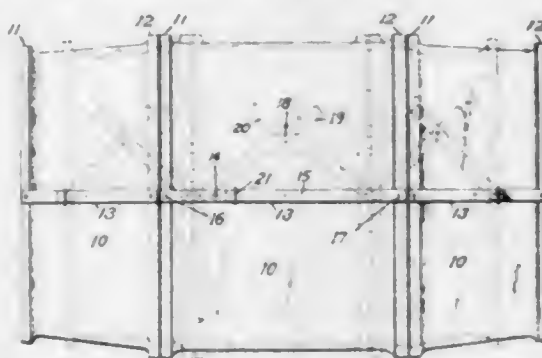
the searchlight is directed forwardly, a vertical spindle pivoted on said arm and providing a support for an intermediate portion of said horizontal spindle, a motion-limiting member and means for attaching it to the projecting end of the horizontal spindle, said member co-operating with said arm to limit the angular movement of the horizontal spindle when said projecting end lies in or within a predetermined range of movement from the vertical plane through the arm.

1,520,895. SHOPPER'S NAIL CLEANING AND POLISHING SET. EDNA STURLEY TIPTON, New York, N. Y. Filed Sept. 16, 1924. Serial No. 738,009. 3 Claims. (Cl. 132-75.)



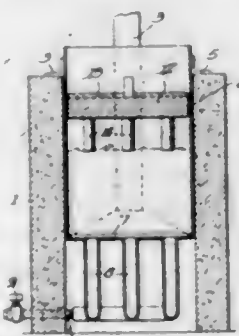
1. A shopper's nail cleaning and polishing set comprising a tubular case having a bore extending there-through, a tubular closure element removably carried in each end of said bore, a longitudinally-disposed extension formed upon one side of said case arranged to carry a buffer member, a buffer member removably carried by said extension, said case and said buffer member being adapted and arranged to conjointly form, when assembled, a receptacle for the reception and retention of manicure accessories.

1,520,896. DISPLAY DEVICE. CHARLES W. WADSWORTH, Merrick, N. Y., assignor to T. Fred. Moore, New York, N. Y. Filed May 13, 1922. Serial No. 560,521. 2 Claims. (Cl. 40-125.)



1. The combination with a flexible poster, of spaced edge strips, and a stretching member consisting of a plurality of pieces which are permanently connected together and permanently connected to said edge strips by pivots approximately perpendicular to the edge strips, the stretching member being flexible in the plane of the pivots, resilient, normally straight, and bowed outwardly from the poster so that it exerts a thrust on the edge strips in the direction of its length.

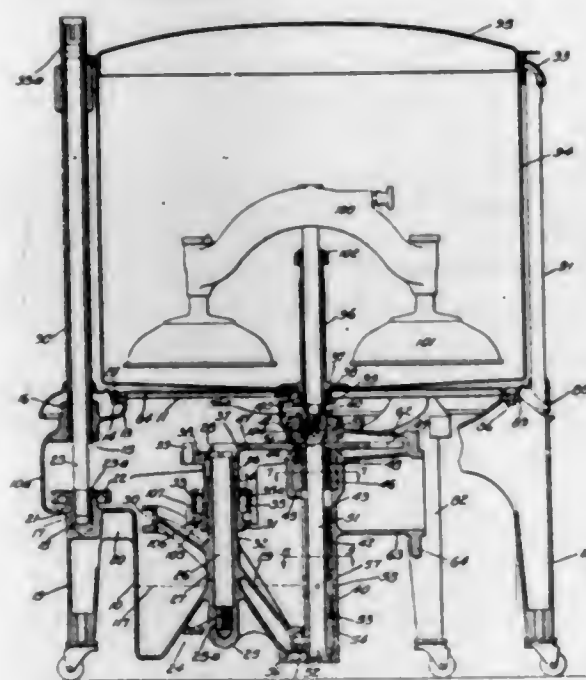
1,520,897. CLOTHES-WASHING APPARATUS. JOSEPH A. WILLIAMS, Angler, N. C. Filed July 11, 1923. Serial No. 650,831. 1 Claim. (Cl. 68-30.)



An apparatus for washing clothes comprising a receptacle open at its top, and a removable cover plate fitted within the receptacle to move vertically therein

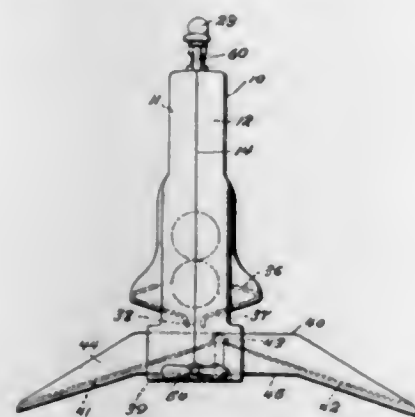
and provided with a series of pins that extend downward into the body of the receptacle into contact with clothes placed therein, each pin having a cavity formed at its inner end, for the purpose described.

1,520,898. WASHING AND WRINGING MACHINE. FREDERICK A. BARNES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed Sept. 29, 1922. Serial No. 591,401. 14 Claims. (Cl. 68-19.)



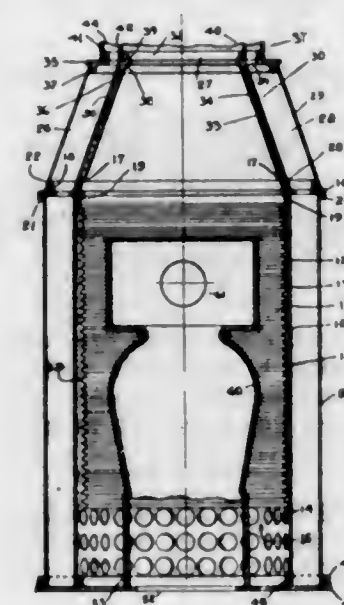
2. In a washing machine, the combination of a tub, a plunger rod which projects through the bottom of the tub, washing means on the rod, a cylindrical cam for reciprocating the rod, means for locking the rod against rotary movement except at the upper end of its stroke, and means for rotating the rod through a predetermined angle when released from the locking means.

1,520,899. CLOTHES WRINGER. FREDERICK A. BARNES, Cleveland Heights, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed Nov. 17, 1922. Serial No. 601,664. 3 Claims. (Cl. 68-32.)



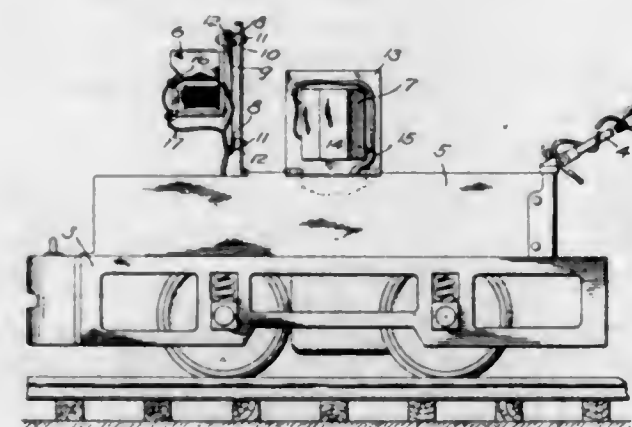
1. In a clothes wringer, the combination of a wringer frame, walls carried by the frame which define a drain slot, a drain board comprising two downwardly and oppositely sloping water sheds and an end piece connecting them, said end piece being provided with a vertical slot, projections on the frame upon which said drain board slides, to bring either of its water sheds under said drain slot, and a crank which extends through said vertical slot and is journaled in the frame, said crank when turned engaging the side walls of said slot to effect a sliding movement of the drain board.

1,520,900. PIPELESS FURNACE. LOUIS WHITZEL DAMAN, Sackville, New Brunswick, Canada. Filed Nov. 27, 1922. Serial No. 603,663. 7 Claims. (Cl. 126-99.)



1. In a furnace, side and rear casings forming unobstructed cold air passages from the upper to the lower end, a furnace front plate between said casings, upper and lower flanged rings forming the means of securing said casings and furnace front as a furnace outer wall, a cap on said upper ring having cold and hot air passages and a heater contained within said outer wall and connected with the furnace front.

1,520,901. ELECTRIC LOCOMOTIVE. HOWARD H. JOHNSTON, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 6, 1921. Serial No. 435,319. 8 Claims. (Cl. 105-49.)



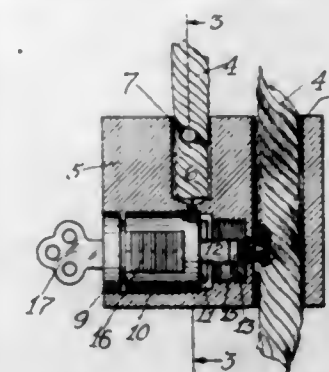
1. In an electric locomotive, a compartment for housing the controlling apparatus, a removable closure member for the compartment, supporting means for the controlling apparatus comprising a panel of non-conducting material, a supporting bar for the panel, and an insulated connection between the supporting bar and the cover plate.

1,520,902. SPARE-TIRE LOCK. JOHN JUNKUNC, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 677,855. 3 Claims. (Cl. 70-17.)

1. A device of the class described, comprising a stranded retaining means, a locking block having one end of

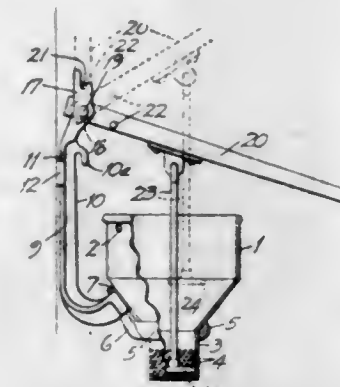
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the retaining means permanently secured thereto and having a passage adapted to receive the other end of



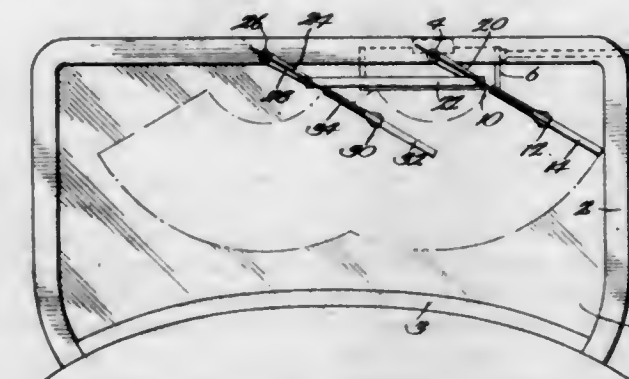
the retaining means, and locking means in the block adapted to be forced into engagement with the retaining means between the strands thereof.

1,520,903. POTATO MASHER. ARTHUR JUTILA, Chicago, Ill. Filed June 21, 1922. Serial No. 569,832. 2 Claims. (Cl. 146-176.)



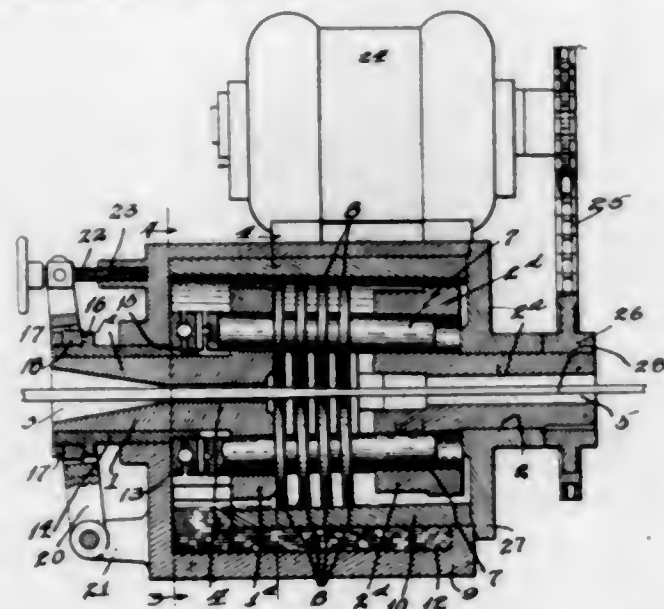
1. In a potato masher, a bowl having one contracted perforated end, a supporting arm for said bowl, said arm being formed with one notched extremity, a lever fulcrumed to said arm, a pin carried by said lever, said pin, in one position of said lever, being disposed in the notched end of said lever to retain said members in adjusted relation, and a plunger carried by said lever.

1,520,904. WINDSHIELD CLEANER. EDWIN P. KEIM, Chicago, Ill. Filed July 9, 1923. Serial No. 650,237. 2 Claims. (Cl. 15-255.)



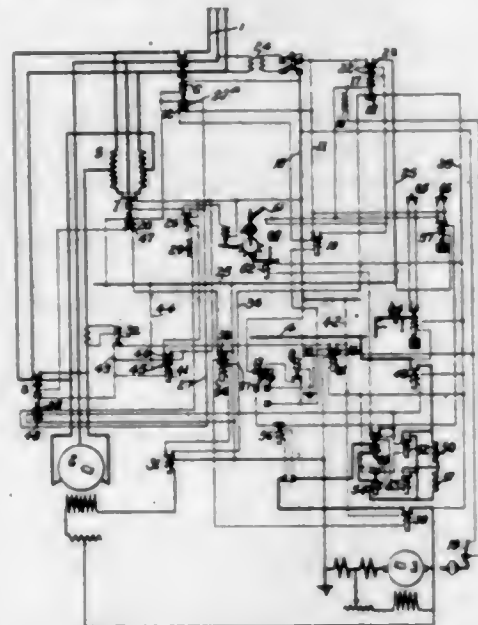
1. A windshield cleaner comprising a pair of shafts extending through the windshield at spaced points near the top thereof, an arm on each shaft carrying a wiper disposed against the windshield, another arm on each shaft between said first mentioned arms and the windshield respectively, and a link connecting said second mentioned arms whereby said shafts and consequently said wipers are movable in unison.

1,520,905. WIRE OR ROD ROLLING MACHINE. JOHN W. LAUREN, Sterling, Ill. Filed July 13, 1922. Serial No. 374,640. 5 Claims. (Cl. 80—22.)



1. In a machine of the class described, a spider, a plurality of shafts concentrically and convergently arranged with respect to the axis of the spider and slidably mounted in said spider, rolls rigidly secured upon said shafts, and means for longitudinally shifting said shafts.

1,520,906. AUTOMATIC CONTROL SYSTEM FOR SYNCHRONOUS MOTOR-GENERATOR SETS. STUART G. LEONARD, Gallon, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,249. 13 Claims. (Cl. 171—312.)

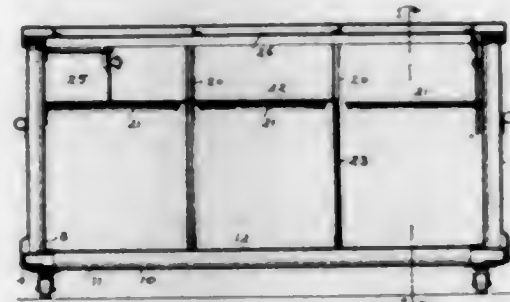


1. The combination with an alternating-current circuit, a direct-current circuit and a motor-generator unit to be connected therebetween, the motor being provided with a field winding, of means for consecutively applying reduced starting and normal operating voltage to the motor, and means responsive to the development of a predetermined voltage in the generator and to a predetermined degree of excitation of the motor field winding for controlling the transfer from starting to running voltage application.

1,520,907. METAL CHEST. FRANK G. MABBACH, Cleveland, Ohio. Filed Feb. 26, 1921. Serial No. 448,135. 2 Claims. (Cl. 220—10.)

1. A chest having inner and outer walls and reinforcing spacing strips of metal between said walls, and

sheets of cellular asbestos filling the spaces between said walls and said reinforcing strips, and a hollow hinged cover for said chest having a cellular interlining



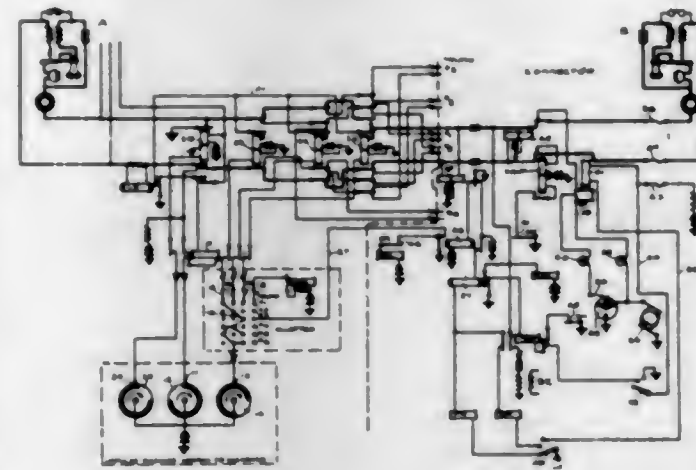
of asbestos, and said chest being provided in one upper corner thereof with a receptacle and the inner side walls of said chest having horizontal ribs for seating a horizontal portion adjacent said receptacle.

1,520,908. BRUSH FOR CLEANING NASAL PASSAGES. ARTHUR R. MEYER, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 342,239. 1 Claim. (Cl. 128—357.)



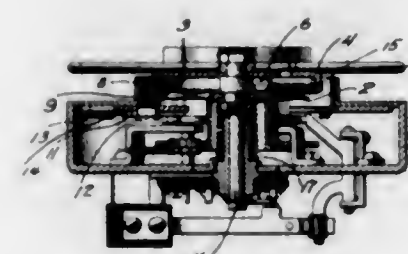
In a device for cleaning the nasal passages, a flexible rubber shaft providing a handle at one end and tapering toward the other end, flexible rubber bristles on said shaft inclined outward and toward the handle end thereof, each of said bristles tapering from the shaft outward and having a blunt outer end, the bristles being distributed around the shaft and varying progressively in length, the shorter ones being near the smaller end of the shaft whereby the bristles form a cone-like body, the large end of which is next to the handle.

1,520,909. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed July 15, 1919. Serial No. 311,065. 15 Claims. (Cl. 179—18.)



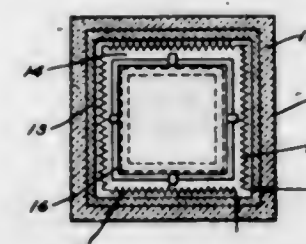
1. In an automatic telephone system, an incoming line, a plurality of outgoing lines, a plurality of switching relays individual to said incoming line less in number than the number of outgoing lines, said relays having contacts operating in various combinations to extend said incoming line to an idle outgoing line, and a constantly operating interrupter device for automatically controlling the operation of said relays.

1,520,910. CALLING DEVICE. CHARLES D. RICHARD, New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 14, 1920. Serial No. 430,681. 6 Claims. (Cl. 179—90.)



1. In a calling device an electrical impulse transmitting mechanism, a rotatable finger wheel for setting said mechanism, said wheel being returnable to normal during and prior to the completion of the operation of said mechanism, means for locking said finger wheel in its normal position, and means for releasing said finger wheel when said transmitting mechanism has completed its operation.

1,520,911. PREHEATING RECUPERATIVE FURNACE. WIRT S. SCOTT, Bozman, Md. Filed Aug. 11, 1923. Serial No. 656,868. 8 Claims. (Cl. 148—13.)



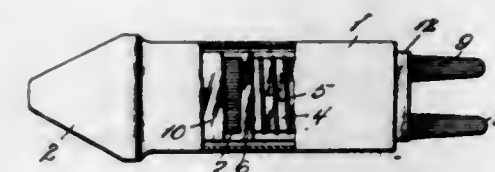
1. The method of heat treating a mass of material in a recuperating furnace which comprises the heating, by an auxiliary heating means, of that portion of the colder mass of material that is at a lower temperature than that portion thereof subjected to the influence of an adjacent hot mass of material.

1,520,912. TRACTOR. CARL SCRABIC, Urbana, Ohio. Filed Oct. 23, 1922. Serial No. 596,320. 10 Claims. (Cl. 180—21.)



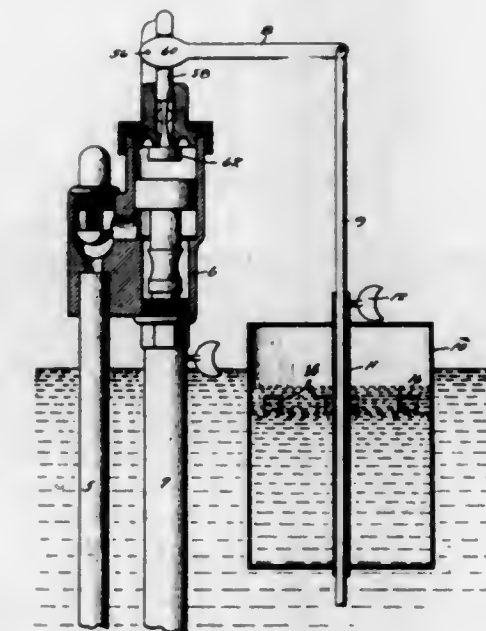
1. A tractor comprising a frame, a main driving wheel and supplemental driving wheels associated with the frame, and means for moving laterally the supplemental wheels toward or away from the main driving wheel.

1,520,913. ELECTRIC SOLDERING IRON AND METHOD OF MAKING THE SAME. MAURICE SIMON, St. Louis, Mo., assignor to Beechler Steel Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 16, 1922. Serial No. 595,006. 21 Claims. (Cl. 219—26.)



1. A device of the class described, constructed as a complete article of manufacture, comprising an electrical heating element and means for readily connecting and disconnecting the heating element with detachable companion means connected with a source of electrical energy.

1,520,914. FLOAT FOR FLOAT VALVES. JOHN C. SPEARING, Cleveland, Ohio. Original application filed May 15, 1922. Serial No. 561,028. Divided and this application filed Apr. 2, 1923. Serial No. 629,420. 2 Claims. (Cl. 137—104.)

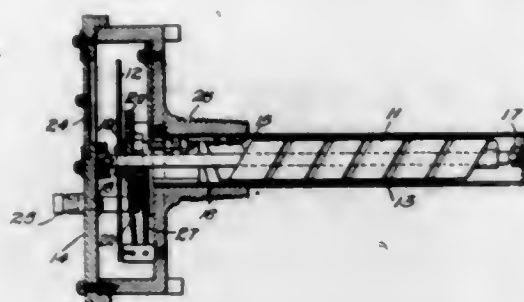


2. The combination with a flush tank and supply pipe thereto, of a valve controlling the flow of liquid thru the supply pipe, and a float in the tank, said float comprising a hollow body having openings adapted to receive water in the side thereof and having a direct operating connection to said valve whereby the weight of the water retained in the float will operate to positively open the valve when the water is lowered, and an air chamber above said openings adapted to trap air so that the buoyancy of the air will operate to close the valve when the water in the tank rises above said openings.

1,520,915. TEMPERATURE INDICATOR. HARVEY P. SLEEPER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 30, 1920. Serial No. 427,310. 9 Claims. (Cl. 116—114.)

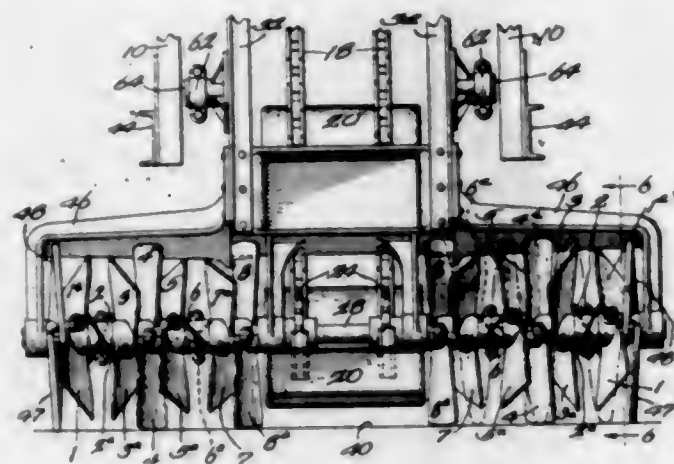
2. A temperature indicator comprising a thermal element, a latch member controlled thereby, a semaphore movable to two predetermined positions, and means co-operating with the latch to preclude movement of the

semaphore until a predetermined temperature is attained by the thermal element and then actuating the semaphore, said means comprising a geared wheel secured to



the semaphore and a co-operating geared portion adapted to actuate the wheel when said portion is released from a biased position by the latch member.

1,520,916. SAND CUTTING AND SCREENING MACHINE. JOHN S. TOWNSEND, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Dec. 19, 1921. Serial No. 523,257. 11 Claims. (Cl. 198-9.)

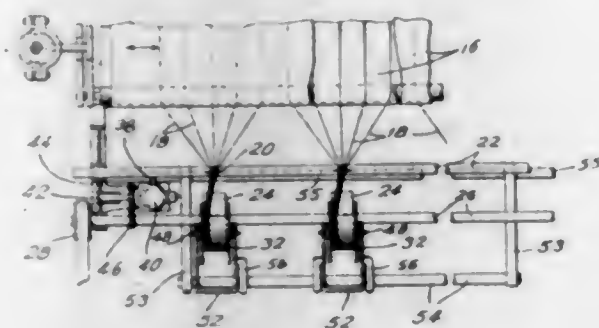


1. In mechanism of the class described, a rotatable shaft, a plurality of cutting blades along said shaft, arranged angularly to each other around the shaft in a spiral of such a form that beginning with one end blade each blade picks up sand in the plane of its rotation and throws it into the plane of rotation of the next blade, each of said blades being placed at an angle to the axis of the shaft and certain of them varying progressively in angularity with reference to the axis of the shaft from the first blade to the last, and a motor operating the parts at the necessary speed to handle foundry sand, partly in the air.

6. In mechanism of the class described, a truck carrying a sand receiving member, an elevator mechanism having one end adjacent to the floor and the other end delivering to said sand receiving member, sand cutting devices on the bottom of the elevator for delivering sand to the elevator, means for propelling said sand cutting devices and elevator, and yielding mechanism between the elevator and truck permitting vertical movement of the elevator should the sand cutting devices accidentally engage the floor.

11. In mechanism of the class described, a floor engaging wheel adapted to support an elevator and made up of a plurality of segmental parts, each placed angularly to the wheel axis adapted to convey sand or the like sideways of the wheel as the wheel rotates, for the purposes described.

1,520,917. METHOD OF AND MACHINE FOR PRODUCING COPS OF ASBESTOS ROVING. EDWIN E. WAITE, Framingham, Mass. Filed Apr. 6, 1922. Serial No. 550,217. 9 Claims. (Cl. 19-158.)



3. The method of forming a package of rovings of fibre, which comprises arranging a plurality of rovings in side by side relation to form a flat strand, and then winding the strand in crossed helices into a cop while maintaining the strand substantially flat.

1,520,918. COP OF ROVING. EDWIN E. WAITE, Framingham, Mass. Original application filed Apr. 6, 1922, Serial No. 550,217. Divided and this application filed Feb. 12, 1923. Serial No. 618,752. 3 Claims. (Cl. 19-158.)



1. A package of roving comprising a flat strand composed of a plurality of rovings of short fibre asbestos arranged side by side and wound in crossed helices into a cop, the individual rovings being too weak for satisfactory manipulation.

1,520,919. CIGARETTE HOLDER. WALFRID WALLENTHIN, Attleboro, Mass., assignor to Edward Eksbergian, St. Louis, Mo. Filed Nov. 7, 1921. Serial No. 513,331. 8 Claims. (Cl. 131-51.)

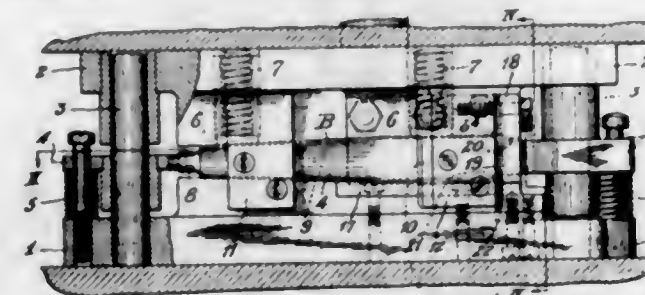


1. In a cigarette holder, a hollow body, adjustable cigarette gripping jaws slidably mounted in one end thereof, a jaw operating member slidably in the other end of said body for controlling the grip of said jaws, said member and either one of said jaws being adapted to cooperate to stably support a cigarette in a plane spaced from a table top or like surface upon which the holder is laid.

1,520,920. SALT AND METHOD OF PURIFYING THE SAME. VICTOR YNGVE, Niagara Falls, N. Y. Filed Feb. 13, 1922. Serial No. 536,344. 8 Claims. (Cl. 23-13.)

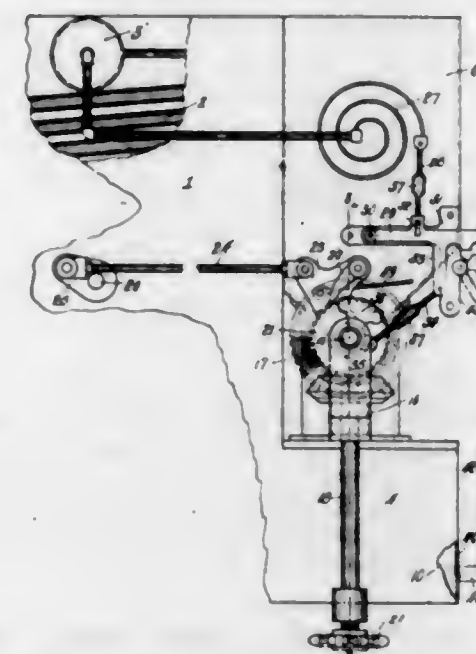
1. The process of treating commercial salt containing calcium and magnesium which consists in precipitating said calcium and magnesium in a single step by the addition of an excess of an alkali which will react with said calcium and magnesium to form insoluble hydroxides, removing said hydroxides and neutralizing said mixture.

1,520,921. DIE. HERALD P. ABNT and THOMAS N. AIKENS, Lakewood, Ohio. Filed July 16, 1921, Serial No. 485,352. Renewed Oct. 2, 1924. 7 Claims. (Cl. 164-19.)



1. The combination of a punch, a mandrel having a cutting edge, a stationary die, a die fixedly carried by said punch and means for moving the mandrel past the stationary die and the other die relatively to the mandrel.

1,520,922. BOILER-PRESSURE CONTROL. ABNER D. BAKER, Swanton, Ohio. Filed May 18, 1922. Serial No. 561,950. 13 Claims. (Cl. 110-103.)

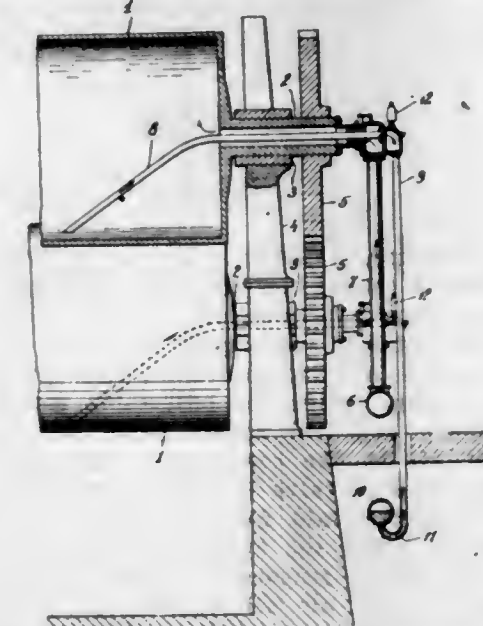


6. In combination, a boiler, a furnace in connection with the boiler and having a rotatable grate, a continually operating reciprocating member, means connected with said member and operable by movements thereof to feed fuel to the furnace, means operated from the feed means to rotate the grate, and fluid pressure controlled means automatically operable to disconnect said member and feed means when a predetermined pressure is present in the boiler and to permit operating connection thereof when the boiler pressure falls below a predetermined point.

8. In combination, a furnace, a boiler, a draft control damper for the boiler furnace, a member pivoted at one end and mounted for both longitudinal reciprocatory

and transverse movements, means for reciprocating said member, fluid pressure controlled means automatically operable by a predetermined change of pressure in the boiler to transversely move the opposite end of the member a predetermined extent in one direction or the other from neutral position, and means in connection with the damper and operable by longitudinal movements of the member to open or close the damper when transversely moved in one direction or the other a predetermined extent from neutral position.

1,520,923. STEAM DRIER. JAMES M. BALDWIN, Brownville, N. Y.; Mary R. Baldwin administratrix of said James M. Baldwin, deceased. Filed Apr. 7, 1922. Serial No. 550,310. 2 Claims. (Cl. 34-4.)



2. A steam drier comprising the combination of a rotary drying cylinder, means for introducing steam thereinto, a hollow trunnion, a drip header for receiving the condensate from the cylinder, a siphon pipe for removing the condensate from the cylinder to the drip header passing upwardly from a point near the bottom of the cylinder, through the trunnion and then bending downwardly to the drip header, the lower end of the siphon pipe terminating in a U-bend and entering the drip header from below, and a thermostatic air valve at the bend of the siphon.

1,520,924. INSECTICIDE. WILLIAM S. BALDWIN, Houston, Tex. Filed Jan. 3, 1924. Serial No. 684,199. 3 Claims. (Cl. 167-6.)

1. An insecticide comprising an oily vehicle, chloroform, and oil of mustard.

2. An insecticide comprising crude petroleum oil, chloroform, and oil of mustard.

1,520,925. TIRE MATERIAL. BERT R. BLACKWELDER, Laporte, Ind. Filed Aug. 19, 1920. Serial No. 404,627. 2 Claims. (Cl. 154-53.)

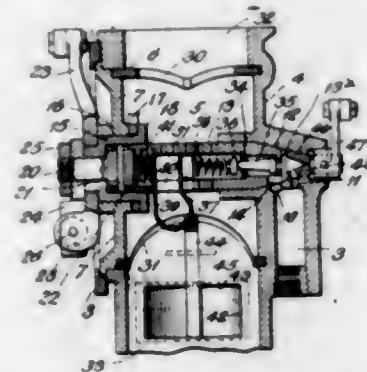


1. A tire fabric comprising in combination metallic strands, frictioning material applied to said strands, a fabric covering for said strands, and a rubber covering within which said strands are embedded.

1,520,926. CARBURETOR. GEORGE G. BROWN, Jr., Ann Arbor, Mich. Filed Apr. 22, 1922. Serial No. 555,974. 6 Claims. (Cl. 261-47.)

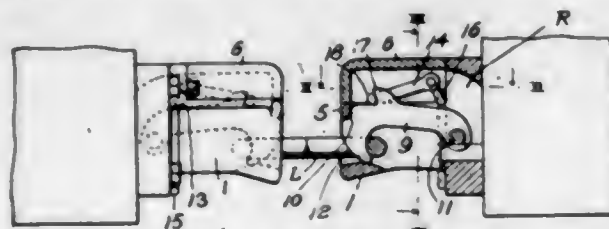
1. In a carburetor, a mixing chamber, means for supplying liquid fuel to said chamber, a conduit for sup-

plying hot air to said chamber, a valve controlling the admission of fuel to the chamber, a valve controlling the quantity of air passing through said chamber, a common operating device for operating said valves concomitantly to vary the fuel supply with variations in the quantity of air admitted, and means operable through the common operating device adapted to admit cold air to the chamber after the air valve has been approximately completely opened and the common operating device has been given a further movement to admit more fuel to the chamber.



5. In a carburetor, a casing, a hot air supply conduit leading thereto, a throttle cylinder in said casing having a part controlling the admission of hot air from the conduit to the casing, a fuel supply device for supplying fuel to the casing, a valve controlling the admission of fuel to the casing, means for adjustably coupling the throttle cylinder and fuel supply valve for supplying fuel and hot air to the casing in a determined and variable proportion, a valve in said conduit for admitting cold air thereto, said valve being operable by the throttle cylinder when the cylinder is given a further movement after having reached approximately wide open position, whereby cold air will be admitted to the casing with a further operation of the fuel supply valve.

1,520,927. CAR COUPLING. HARRY M. BROWN, New Kensington, Pa. Filed Aug. 19, 1924. Serial No. 732,940. 2 Claims. (Cl. 213-179.)



2. In a car-coupler a coupler-head of bull-nose type formed of two castings, the one slotted above, and the other forming a removable closure for such slot, a coupling hook pivoted within the casting first mentioned and applicable through the slot in the casting first mentioned to its position therein before the second-mentioned casting has been applied, and a hook-swinging shaft rotatable in bearings formed by and between the two said castings, when the second-mentioned casting has been applied.

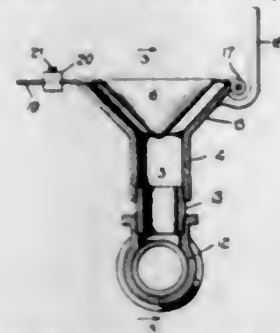
1,520,928. DEVICE FOR GRADING RAILWAY TRACKS. WALTER P. BROWN and CLARENCE A. COOK, Piedmont, Ala. Filed July 8, 1922. Serial No. 573,670. 3 Claims. (Cl. 33-145.)



1. A device of the character described comprising a beam having a plurality of steps of uniform depth formed in one end portion thereof, a level arranged upon the intermediate portion of the beam adjacent its up-

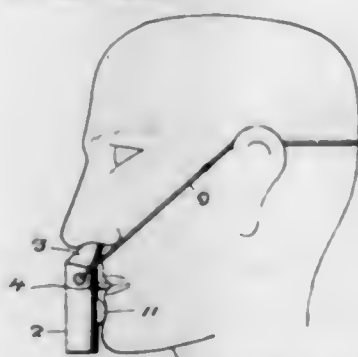
per side, an arm pivoted to the opposite end portion of the beam adjacent its lower side, a yoke member pivoted to the intermediate portion of said arm and slidably engaged over the adjacent portion of said beam and means engaging said yoke carried upon the beam adapted to secure the yoke in adjusted position with respect to the beam.

1,520,929. WATER-COOLING SPRAY NOZZLE. EDWIN BURHOAN, Hoboken, N. J. Filed Nov. 4, 1919. Serial No. 335,584. 3 Claims. (Cl. 206-121.)



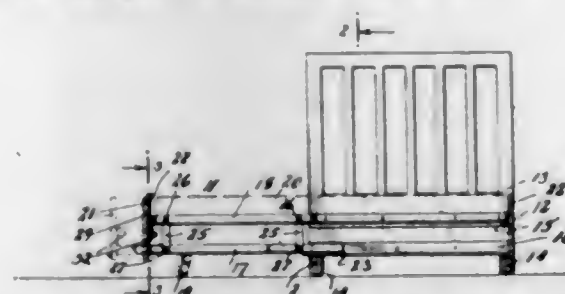
1. A water cooling apparatus having, above an open receiving pond, a spray-nozzle arranged to throw an upward spray of water into the natural air currents passing over such pond, and said spray-nozzle consisting of an upwardly directed funnel shaped nozzle exit with flaring walls forming a spreader chamber, and a tapered spreader member normally held in position occupying such chamber but hinged at one side to yield automatically upwardly and outwardly at the free side due to increased pressure from accumulated solid matter within the nozzle, so that it will swing clear of the exit and permit the discharge of such matter, and to descend automatically after such discharge.

1,520,930. FILTER. HARRY L. CALHOUN, Binghamton, N. Y. Filed Sept. 1, 1923. Serial No. 660,652. 2 Claims. (Cl. 128-148.)



1. A device of the class described comprising a pair of tubular members, each having a curved and tapered upper end for engaging the nostril, a mouth piece having a forked end communicating with the members intermediate their ends, filtering means in each member, a flexible member for holding the device in place and a chin rest carried by the device.

1,520,931. CONVERTIBLE COUCH BED. HARRY CHESSLER, Brooklyn, N. Y. Filed Jan. 24, 1924. Serial No. 688,269. 2 Claims. (Cl. 5-21.)



1. A convertible couch bed structure comprising a stationary section having at its bottom a free space, a collapsible section adapted to be accommodated in said free

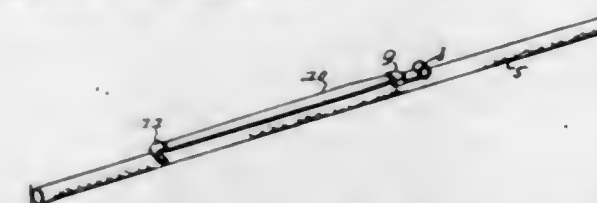
space and composed of two vertically superposed frames connected by swinging arms, so that the upper one is capable of moving parallel to itself and relative to the lower frame, means in the stationary section on which said lower frame may be slidably extended outwardly, a movable grasp on said upper frame and means on said lower frame to engage said grasp to lock said upper frame in raised position, when said collapsible section is extended.

1,520,932. TRAVELING BAG OR BOX. DANIEL J. COMSTOCK, Brooklyn, N. Y. Filed Aug. 23, 1923. Serial No. 658,888. 3 Claims. (Cl. 206-8.)



3. A traveling bag or box composed of two cylindrical cases, each having a part of its circumference flattened to form a base and both being hinged together at said base, a removable member on the inner surface of the side wall of each case for retaining a hat in position therein and a flap tiltably fastened at the juncture of the two flattened portions of the cylindrical walls of said cases and a ledge on one of said cylindrical walls serving as rest for said flap separating said two cases.

1,520,933. HAIR CURLER. GERTRUDE G. CONDON, Oakland, Calif. Filed Oct. 7, 1922. Serial No. 593,080. 1 Claim. (Cl. 132-43.)



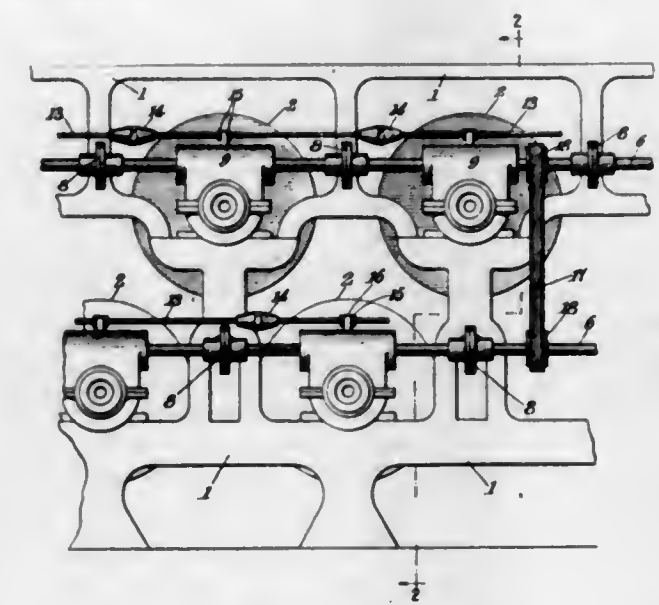
In a hair curler, a body comprising a relatively rigid pillable core, a textile covering therefor, a clamping plate comprising a strip of metal doubled on itself and shorter than the body, one overlapping portion of the plate being partially imbedded in the textile covering of the core, the said portion which is partially imbedded terminating in an eye constituting a guard, a loop slidable on the extending end of the partially imbedded portion having its movement limited by the material forming the eye, the other overlying section of the said plate constituting a clamping tongue adapted to press hair into engagement with the textile covering in which a portion of the clamping plate is imbedded, and having an extension adapted to receive the loop for holding portions of the clamping plate in operative relation to each other, the ends of the body projecting beyond the clamping plate being adapted to be bent over the body and engage hair wound on the body for preventing unwinding of the hair held by the curler.

1,520,934. CHECK FILLER OR SURFACER FOR REFINISHING VARNISHED AND LIKE ARTICLES. EUGENE T. CRAINE, Los Angeles, Calif. Filed Oct. 9, 1919, Serial No. 329,435. Renewed Mar. 19, 1924. 2 Claims. (Cl. 134-49.)

2. The herein described check filler and surfacer for refinishing varnished surfaces, comprising the following

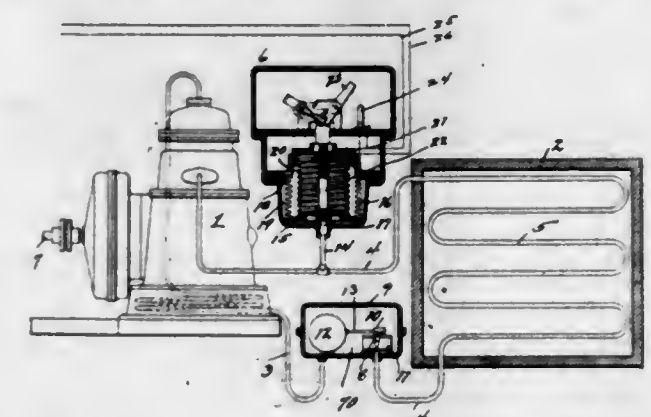
ingredients in approximately the following proportions: one pound of gum sandarac, two ounces of solution of Bismarck brown, one ounce of solution of nigrosene, and alcohol to make one gallon.

1,520,935. DRIVING MECHANISM FOR PAPER-MAKING MACHINES. WILLIS S. CRANDELL, Elmsmere, N. Y., assignor to Albany Paper Mill Machinery Company, Inc., Albany, N. Y., a Corporation of New York. Filed May 10, 1924. Serial No. 712,238. 6 Claims. (Cl. 34-48.)



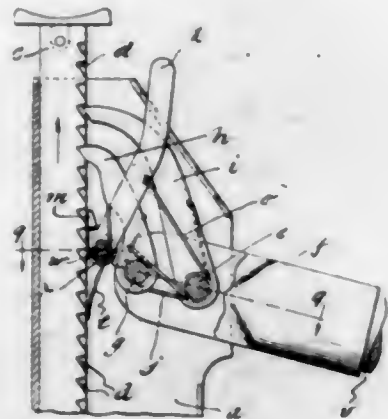
1. A paper-making machine, comprising a frame, a series of drying rolls having spindles and carrying gears adjacent ends of their spindles, said frame supporting bearings for said spindles, a driving shaft extending longitudinally of said series of drying rolls adjacent their gears, said driving shaft having gears meshing respectively with the gears which are carried by the drier spindles, and being supported by the drier spindles.

1,520,936. ARTIFICIAL REFRIGERATING SYSTEM. JAMES H. DENNEY, Detroit, Mich. Filed Dec. 10, 1921. Serial No. 521,427. 13 Claims. (Cl. 62-4.)



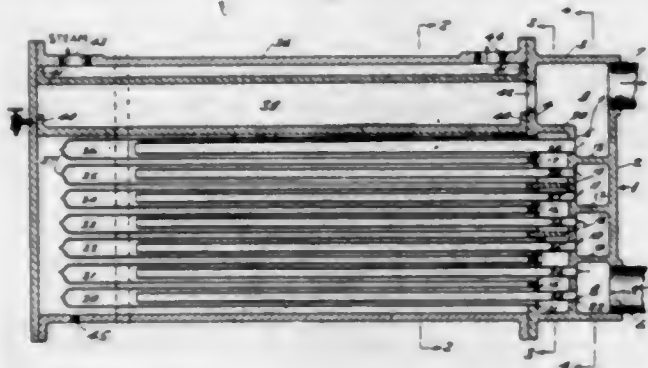
13. In a refrigerating apparatus the combination of a refrigerant circulating system having a high pressure side for containing liquid refrigerant and a low pressure side for vaporizing the refrigerant, means for passing liquid refrigerant from the high pressure side to the low pressure side, a body to be cooled in heat transferring relation to the low pressure side and supplying substantially the only heat absorbed thereby, exhausting means for lowering the pressure in the low pressure side, and means actuated by fluctuations of the vapor pressure in the low pressure side in response to temperature fluctuations therein to control said exhausting means for keeping the temperature of the low pressure side within predetermined limits by maintaining the vapor pressure therein between predetermined limits.

1,520,937. LIFTING JACK. HERBERT L. DICKEY, Detroit, Mich. Filed Mar. 25, 1924. Serial No. 701,861. 10 Claims. (Cl. 254-111.)



1. In a lifting jack, the combination of a housing, a rack bar guided vertically therein, a lever pivoted in the housing, a lifting dog pivotally supported by the lever for engaging the teeth of the rack, a locking dog pivotally supported for engaging the teeth of the rack, and a differential stressing spring means engaging the locking dog and controlled by the lifting of the lifting dog to cause the spring stress tending to release the locking dog from said rack bar to overcome the spring stress tending to engage the locking dog with said rack bar and controlled by the descent of the lifting dog to cause the spring stress tending to engage the locking dog with said rack bar to overcome the force of the spring stress tending to release the locking dog from said rack bar.

1,520,938. STEAM WATER HEATER. CUTHBERT LIVINGSTON DIXON, Montreal, Quebec, Canada. Filed Nov. 13, 1922. Serial No. 600,504. 2 Claims. (Cl. 257-238.)

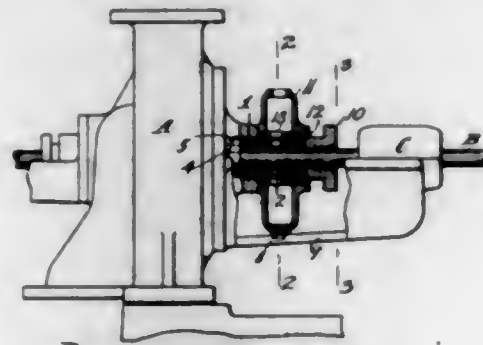


1. A steam water heater, comprising a header having inner and outer water chambers, the lower outer chamber forming an inlet compartment and the upper outer chamber forming an outlet compartment, inner and outer pipes communicating with said outer and inner chambers respectively to form a passage between said inlet and outlet compartments, a cylinder enclosing said pipes and a longitudinal hot water chamber above said pipes and spaced from the cylinder wall at the top and secured to the end wall thereof and to said header and communicating with the outlet chamber in said header.

1,520,939. PUMP SEALING AND TESTING DEVICE. OSCAR H. DORR, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 10, 1921. Serial No. 436,081. 3 Claims. (Cl. 250-17.)

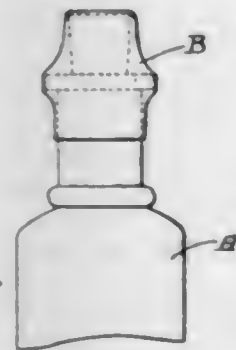
1. A liquid sealing and leakage testing device for centrifugal pumps and the like, comprising a liquid receptacle surrounding a stuffing box packing, a distance piece interposed in said packing and arranged to permit access

of liquid in said receptacle to the pump shaft, and means for holding said receptacle in place with its interior radially in line with said distance piece, said means in-



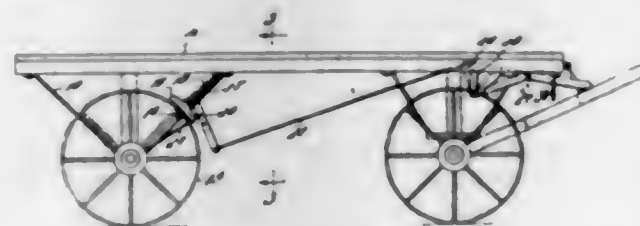
cluding members arranged to open to permit said receptacle to be moved longitudinally of the shaft for access to said packing.

1,520,940. PROCESS FOR THE MANUFACTURE OF SEALING CAPS AND FOR APPLYING THEM ONTO THE VESSELS TO BE SEALED. AUGUST ADOLF DULITZ, Hirschberg, Germany. Filed Mar. 1, 1922. Serial No. 640,380. 5 Claims. (Cl. 215-38.)



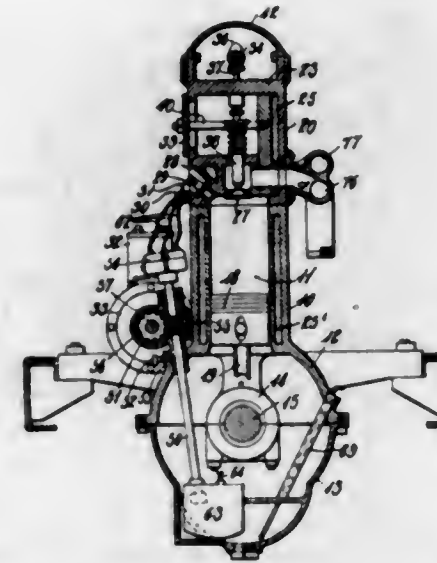
1. A process for obtaining a dry sealing cover consisting in dissolving acetyl cellulose and a water free water soluble means capable of softening the acetyl cellulose, in a medium capable of dissolving the same without adding moisture to the acetyl cellulose, and then permitting the dissolving medium to evaporate, to form an elastic pellicle.

1,520,941. BRAKE MECHANISM. AUSTIN L. FUNK, Longford, Kans. Filed May 2, 1923. Serial No. 636,189. 2 Claims. (Cl. 188-21.)



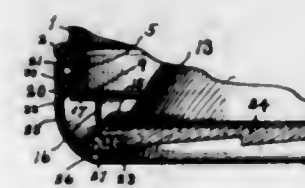
1. A brake mechanism for trucks comprising a bar arranged transversely beneath the truck body, brake shoes carried by the ends of said bar, yieldable means for normally holding the shoes spaced from the adjacent wheels, means for moving said shoes to active position, and including a manually operable rod extended toward the forward end of the truck, a lever pivoted to the rear end of said rod, said lever being pivotally connected with said bar, and an adjustable connection between the lever and the rear axle of the truck to permit of an adjustment of said shoes with relation to the wheels.

1,520,942. INTERNAL-COMBUSTION ENGINE. JOHN HARDING RAYMOND GARRETT, Urbana, Ill. Filed Dec. 16, 1922. Serial No. 607,319. 1 Claim. (Cl. 123-90.)



In an internal combustion engine, a motor block presenting a series of cylinders open at their upper ends, a hollow head piece surmounting the said block and presenting intake and exhaust valves for each cylinder means for operating the said valves including push rods penetrating the upper wall of the head piece and engaging the said valves, and removable plates disposed over openings in the side of the head piece, said openings when uncovered providing means of access to the valve parts.

1,520,943. LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Filed May 3, 1922. Serial No. 558,075. 4 Claims. (Cl. 240-41.)

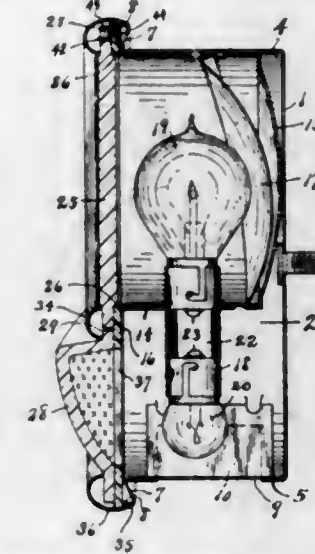


1. In a lamp, the combination of a lamp body having a cylindrical end, a lens ring rotatable on said end, said end having a series of bayonet slots provided with inclined walls, and a series of springs attached at their ends to the inner side of the lens ring and having inwardly extending ears formed between their ends and adapted to enter the slots in the body to engage the walls of the slots and resiliently press the lens ring toward the body when said ring is rotated on the body in one direction.

1,520,944. SIGNAL LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds and Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Sept. 18, 1922. Serial No. 588,795. 3 Claims. (Cl. 240-41.)

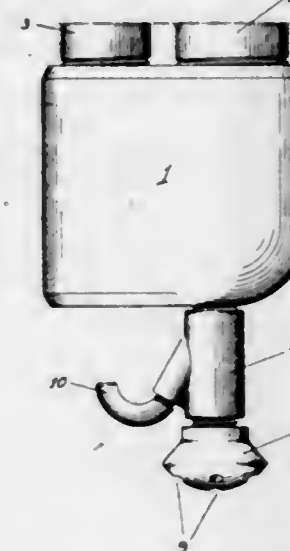
1. In a signal lamp, the combination of a body having cylindrical ends, a circular lens, a lunette lens in the same plane therewith and having an edge fitting the edge of the first lens, a door to receive said lens and having a circumferential portion whose cross section is substantially one half of an ellipse cut diagonally, the inner edge portion engaging the lenses and the

outer edge engaging the outer edge of the lamp body, said door having a curved transverse portion extending over the adjacent edges of the two lenses, an apertured



packing sheet fitting within the door and covering the edges of said lenses, and means to press the door, lenses and packing toward the body.

1,520,945. WATER-PRESSURE EJECTOR. ABRAHAM R. GRIESEMER, San Francisco, Calif. Filed July 5, 1923. Serial No. 649,530. 6 Claims. (Cl. 37-62.)

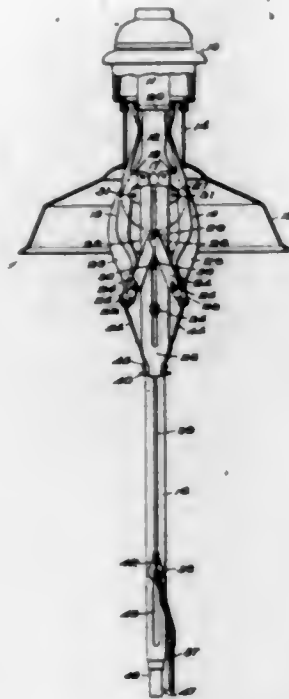


1. A hydraulic lift apparatus including a pressure feed pipe and a lift pipe, the latter being of smaller cross sectional area than the former, a terminal common to both, the lift pipe being freely open through the terminal, and the feed pipe having an elbow within the terminal having a restricted discharge outlet upwardly into the lift pipe whereby hydraulic pressure from the feed pipe will provide a lifting force within the lift pipe, a discharge pipe connected with the terminal and communicating with the feed pipe, such discharge pipe having two outlets, one directly downward to agitate the material to be lifted and the other curving upward into alignment with but below the open end of the lift pipe to maintain a constant current theretoward to keep the agitated material flowing thereto instead of being dissipated therefrom by the force of the water from the agitating discharge nozzle.

1,520,946. LAMP-BULB PLACING AND REMOVING DEVICE. HAROLD D. GRINNELL, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed July 29, 1924. Serial No. 728,862. 16 Claims. (Cl. 294-20.)

1. In a device of the class described, in combination, a support, clamping members having free ends adapted

to be moved into and out of position for gripping an object, means for movably securing the clamping members



to the support, and means for spreading the clamping members at their ends opposite the free ends while maintaining the relative position of the free ends.

1,520,947. ARTIFICIAL SHINGLE. CHARLES H. HARRIS, Yonkers, N. Y. Filed Apr. 30, 1924. Serial No. 709,957. 3 Claims. (Cl. 108-8.)

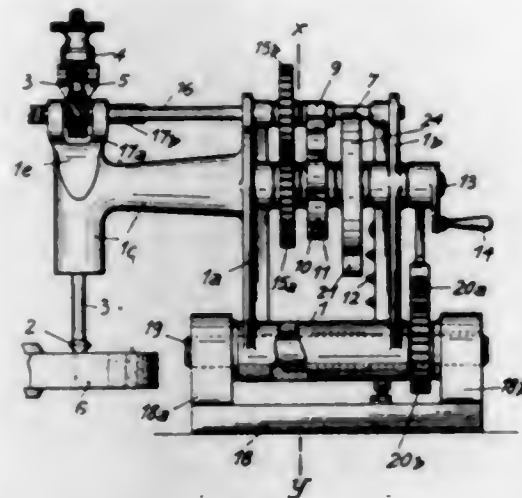


1. In an artificial roofing, the combination of a starting strip having a series of holes formed directly there-through equally spaced from the lower edge of the starting strip and from each other, a series of shingles, and metal fastener clips for the shingles, said clips having free tongue portions projectable directly through the starting strip holes and lying close along the under surface of the starting strip remote from the holes, each fastener clip comprising two substantially flat end portions offset from each other according to the thickness of the starting strip, and rigid fastening means passing through one of said flat portions for securing it to the shingle while the other flat portion lies spaced parallel from the under surface of the shingle.

1,520,948. MACHINE FOR GRINDING PRECIOUS STONES. PHILIPP HEINZ, Pforzheim, Germany. Filed Sept. 7, 1923. Serial No. 661,526. 5 Claims. (Cl. 51-229.)

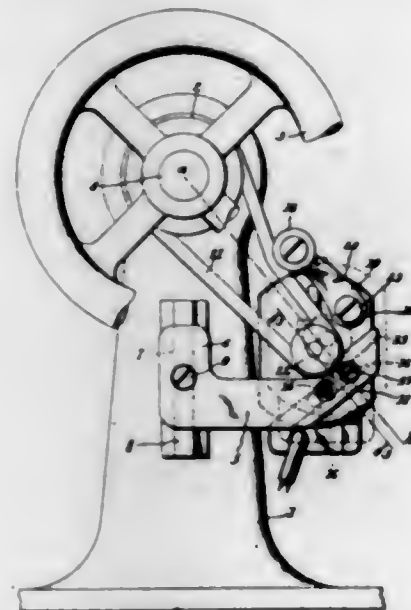
1. Machine for grinding precious stones similar gems and the like, comprising a main frame, a grinding disc rotatably carried in said frame, means for rotating said grinding disc, a movable frame supported in said main frame, a stone holder supported in said movable frame and adapted to be turned and displaced therein, re-

silient means adapted to move said stone holder toward said grinding disc, mechanism for turning said stone holder, a dividing plate adapted to control said turning



mechanism, and means operatively connected with said dividing plate for adjusting the position of said movable frame.

1,520,949. MOTOR SUPPORT. MARTIN HEMLEB, Elizabeth, N. J., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J., a Corporation of New Jersey. Filed May 24, 1920. Serial No. 383,708. 11 Claims. (Cl. 64-52.)

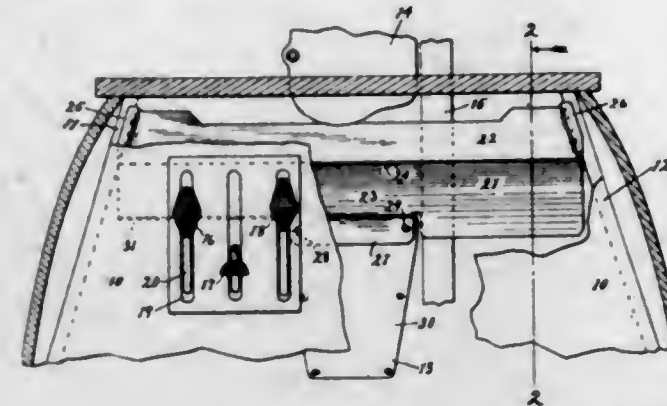


1. A motor attachment for belt driven sewing machines comprising a bracket adapted for attachment to the frame standard of a sewing machine, and a motor rigidly mounted on said bracket and having a power-shaft and belt-pulley, there being provision for adjustment of the motor on the bracket in an inclined direction substantially normal to the center line connecting the axes of the motor and machine shafts, whereby a given motor attachment may be applied to sewing machines of various types while maintaining a uniform length of belt-drive.

1,520,950. FLOOR-BOARD SHIELD FOR AUTOMOBILES. CHARLES A. HUNTER, Aurora, Ill. Filed June 7, 1922. Serial No. 566,549. 5 Claims. (Cl. 180-77.)

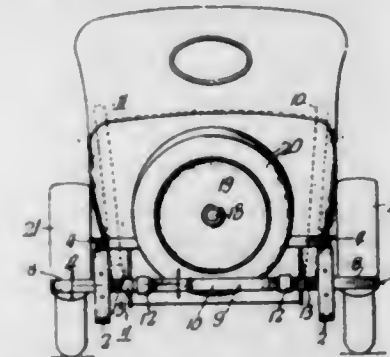
5. In an automobile, longitudinally extending frame members, floor boards secured on said frame members, said floor boards being provided with openings through which control levers are adapted to extend, and a shield for said openings, said shield comprising a single

sheet of material secured at its forward portion forwardly of said openings and extending rearwardly and downwardly beneath the same to deflect the air from the



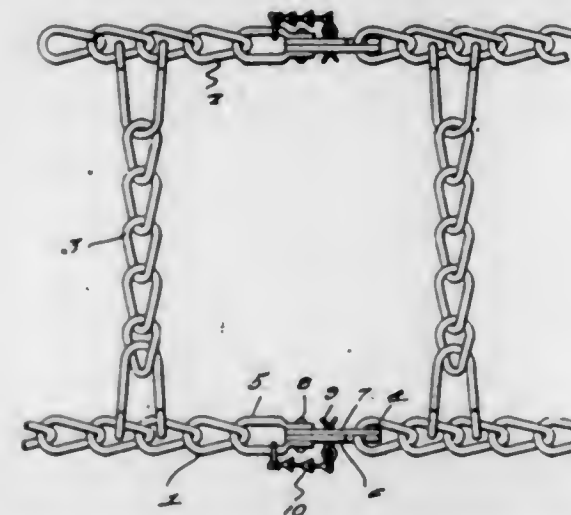
engine to prevent the same from entering said openings, and means for rigidly securing the lower portion of said shield to prevent vibration of the same.

1,520,951. AUTOMOBILE BUMPER. JOSEPH H. IGO, Chicago Heights, Ill., assignor to Igo Manufacturing Co., Chicago, Ill. Filed Feb. 12, 1923. Serial No. 618,490. Renewed May 24, 1924. 14 Claims. (Cl. 293-55.)



9. An automobile bumper, comprising horizontal bumper means having a mid-section and two end sections, the latter being adjustable endwise, and attaching means for the bumper construction.

1,520,952. CHAIN FASTENER. WALTER G. JAEKE, Pilger, Nebr. Filed May 5, 1924. Serial No. 711,154. 1 Claim. (Cl. 24-241.)



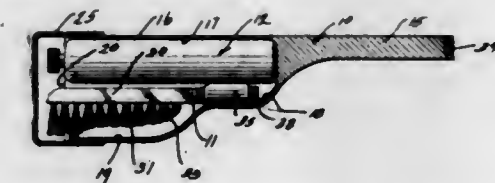
A chain fastener comprising an attaching link, a pair of complementary hook members pivoted thereto, each of the hook members having an opening formed therein, said openings being adapted to register with each other when the hook members are closed, a safety chain fastened at one end to said attaching hook, a locking member

carried by the free end of said chain and adapted to be received in the aforesaid registered openings to provide means for locking the hook members against accidental opening, said member being a cotter pin.

1,520,953. METHOD OF SEPARATING OILS. ERNST M. JOHANSEN, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed May 9, 1910, Serial No. 295,946. Divided and this application filed Jan. 20, 1921. Serial No. 438,773. 15 Claims. (Cl. 196-44.)

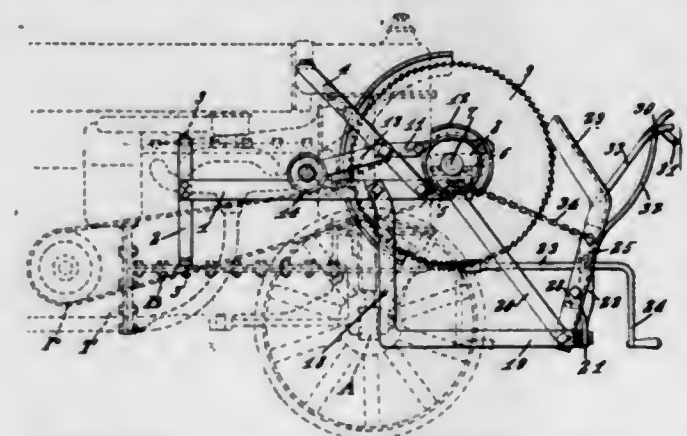
1. The method of separating an oily material from a mixture containing the same and another oily material which is less readily emulsifiable, which consists in subjecting the mixture to a selective emulsifying action, of a solution of a soap and thereby emulsifying the more readily emulsifiable material to a greater extent than the less readily emulsifiable material, and separating the emulsion from the unemulsified material.

1,520,954. TOOTHBRUSH. ANTON H. KASTELLE, Whitefish, Mont. Filed Mar. 20, 1923. Serial No. 626,321. 3 Claims. (Cl. 132-84.)



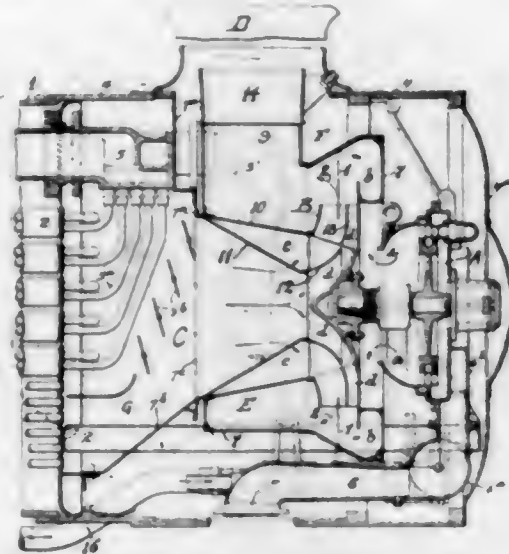
1. As an article of manufacture, a tooth brush including a handle having a compartment therein, a brush head for detachable connection in said handle when in use and for compact enclosure in the compartment when not in use to reduce the effective length of the tooth brush, and a dentifrice container adapted to fit into the compartment at the opposite side of the brush head from the bristles and engage a portion of the brush head to retain the brush head therein in position to protect the bristles thereof.

1,520,955. SAWING ATTACHMENT FOR TRACTORS. WALTER KOEBER, Alexandria, Mo. Filed Apr. 14, 1924. Serial No. 706,481. 4 Claims. (Cl. 143-84.)



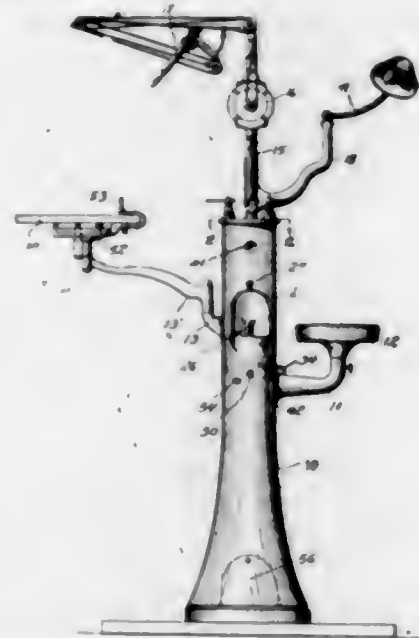
1. An attachment of the class described including connected side members and hangers, a shaft journaled on the side members, a saw carried thereby, connected members pivotally mounted on the hangers and having their upper end portions disposed at an angle, a yoke connected to one of the members and cooperating with the angle portions of the members to form a work holding cradle, a portion of the yoke constituting the handle, said yoke being adapted to receive a portion of the saw during the sawing operation, and a shield carried by the cradle and projecting through the yoke between the handle portion thereof and the saw.

1,520,956. LOCOMOTIVE DRAFT APPLIANCE. ANTON K. KUSEBAUCH, Pittsburgh, Pa., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed June 23, 1920. Serial No. 391,019. 12 Claims. (Cl. 110-162.)



1. In a locomotive draft appliance, the combination of a fan, a housing about the fan, an inlet member leading to the fan, and a foraminous member in said first member discharging into the fan particles too large to pass through it, and arranged to provide a space therebetween.

1,520,957. DENTAL STAND. HUGO O. LEHMAN, Washington, D. C. Filed Apr. 7, 1922. Serial No. 550,550. 18 Claims. (Cl. 32-5.)

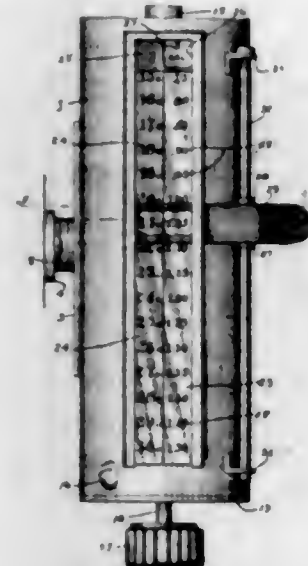


1. A device of the character described embracing a hollow pedestal having a table head, an electric heater mounted directly under said head, a water line coiled around said heater and a flexible terminal for said coil.

1,520,958. COST-COMPUTING MACHINE. DWIGHT S. MOCK, Syracuse, Ind. Filed June 7, 1923. Serial No. 644,051. 1 Claim. (Cl. 235-87.)

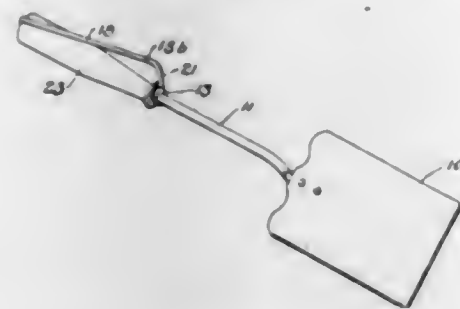
In a calculating device in which there is an inside cylinder having numerals on its circumference representing the unit price and multiples thereof, and another cylinder having a slot therein and surrounding the first cylinder with a bracket attached to the outside of the outside cylinder, and means on the bracket to hold the casing vertically or inclined, said outside casing having on its exterior other brackets, and a guide rod carried in said last mentioned brackets, a casing surrounding the slot in the outside cylinder and having a slot in its side,

a pointer extending through said slot and carried by said rod, and a friction spring carried by the pointer with its back resting against the rod and arranged to press the



pointer against one side of the slot in the casing whereby as the cylinder is held vertically or inclined on the first mentioned bracket, the pointer will be held frictionally at any position to which it is moved.

1,520,959. CAKE TURNER. ROBERT A. MOORE, New York, N. Y., assignor to Ram Metal Products Co., Inc., New York, N. Y., a Corporation of New York. Filed July 2, 1924. Serial No. 723,702. 6 Claims. (Cl. 294-8.)

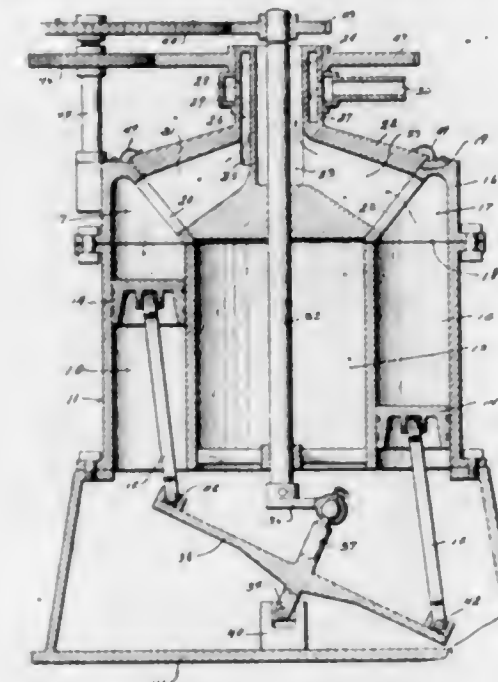


1. In a cake turner, the combination with a handle having an axial bearing at the forward end thereof, a stem rotatable relatively thereto within said bearing, and a blade carried by the stem, of a crank secured to said stem, and a spring having a portion mounted on said handle at the rear end thereof and inserted into the handle in substantial axial alignment with said stem, another portion of said spring being secured to said crank, said spring being operative by the hand of the operator to cause rotation of said crank, and to return the same to normal position upon release of the spring.

1,520,960. INTERNAL-COMBUSTION ENGINE. CLEMENS B. NAGELMANN, Santa Barbara, Calif. Filed Mar. 1, 1923. Serial No. 622,132. 3 Claims. (Cl. 133-58.)

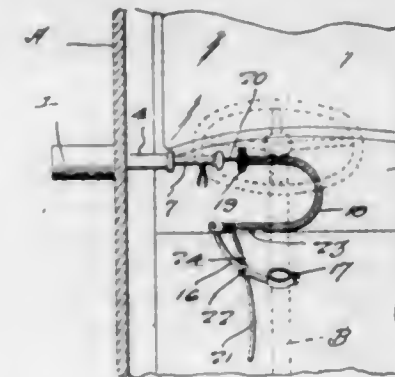
2. In an internal combustion engine of the character described, a central shaft, a series of cylinders disposed concentric to the shaft, pistons operating within the cylinders and having piston rods, a support extending in axial alignment with the shaft, a wobbling shaft section having a universal joint connection to the support and flexibly connected at its opposite end to the arm on the shaft, a member carried by said shaft section to which the piston rods are flexibly connected at equal-distant points, a cylinder head common to all of the cylinders and extending over one end thereof, the cylinder head having a series of circumferential chambers registering with the several cylinders, the head having a centrally inclined inner face, there being a port opening from each

cylinder to the inclined face of the head, a rotatable valve head mounted in the cylinder head and having an inclined peripheral face formed to provide a plurality of pairs of ports adapted to register with the ports in the cylinder head, the valve head being formed to provide a plurality of radial ducts extending from said ports and to provide



a pair of concentric chambers into which the ports respectively open, concentric tubular members extending axially from the chambers, one of said tubular members being connected to a source of fuel, and means operatively connecting the valve head to the shaft and driving the valve head at a speed less than that of the shaft.

1,520,961. AUTOMOBILE SIGNAL. EPHIMIOS NIZAMIS, Kalamazoo, Mich. Filed Apr. 9, 1924. Serial No. 705,357. 1 Claim. (Cl. 74-39.)

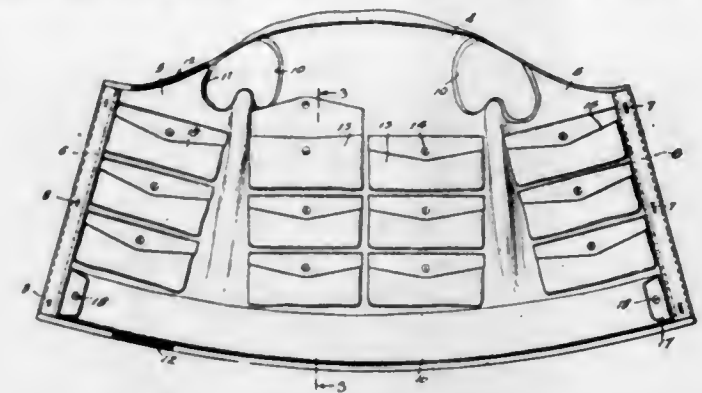


A signal operating device comprising an arm having means for attachment to a fixed support, a lever pivoted at a point between its ends to the arm at a point between the ends thereof, a flexible housing provided at its side with a slot, and pivotally connected at one end with the arm, a flexible element slidably mounted in the housing and connected at one end with the lever at the slot of the housing, spring means for holding the element at a normal position, means for securing the free end of the housing at a fixed point, and a signal connected with the flexible element.

1,520,962. PROTECTIVE GARMENT. HERMAN ALEXANDER NORTH, Bogota, N. J. Filed Apr. 17, 1923. Serial No. 632,701. 1 Claim. (Cl. 2-102.)

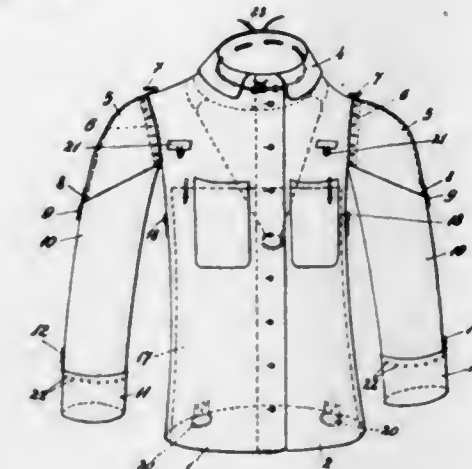
A protective garment in the form of a jacket having armholes and including a back portion and front portions, the latter of which have meeting edges, refractory metallic reinforcing elements enclosed in said meeting edges, means for locking said meeting edges together,

flexible refractory metallic reinforcing elements extending along the entire top and bottom edges of said front and back portions so as to completely surround the edges of



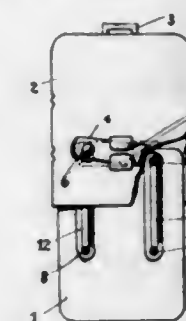
the garment, other flexible refractory metallic reinforcing elements embedded in the garment and encircling said armholes, and a plurality of pockets on the inner surface of the garment.

1,520,963. JACKET CAPABLE OF CONVERSION INTO A KNAPSACK OR TOURIST'S GROUND SHEET OR LITTER. GEZA NYILAS, Hermand, Czechoslovakia. Filed Dec. 5, 1923. Serial No. 678,755. 3 Claims. (Cl. 2-89.)



1. A jacket convertible into a knapsack, tourist's ground sheet and litter comprising a back piece and integral side and breast portions, a flap forming an extension of the back piece, detachable sleeve portions, flaps adjacent the armholes, and an inflatable hood for use as a pillow when the jacket is spread upon the ground, substantially as described.

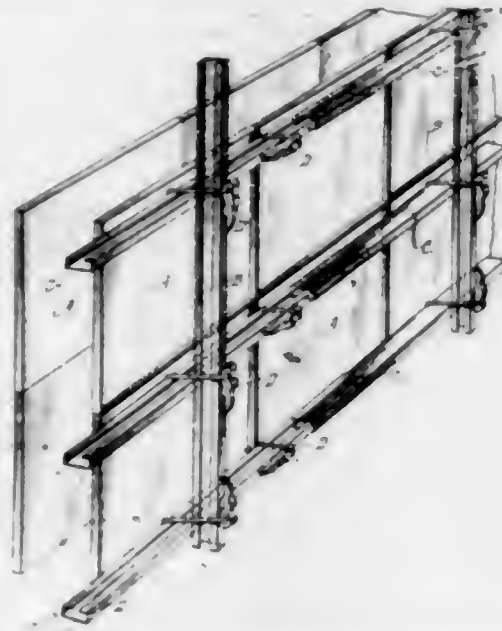
1,520,964. LUNCHEON BOX AND THE LIKE. ALFONS OSTROWSKI, Berlin, Germany, assignor to Ostrowski & Co., Berlin, Germany. Filed Mar. 21, 1923. Serial No. 626,473. 8 Claims. (Cl. 206-4.)



1. An extensible luncheon box and the like comprising a bottom compartment, a top compartment slidably connected thereto, the end walls of the bottom compartment having a plurality of pairs of holes therein, a leaf spring located on each end wall of the top compartment, each

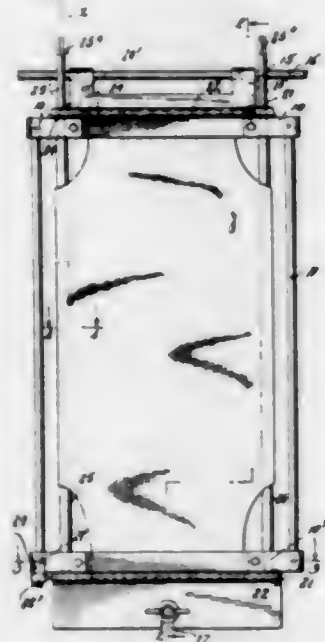
end of the said springs having a pin adapted to project through an adjacent hole of the said end wall of said top compartment, said pins being adapted to project into the said holes in the bottom compartment.

1,520,965. STEEL-ALIGNER. OSCAR B. PULIS, Milwaukee, Wis., and MACGREGOR S. ANDERSON, Bay Shore, N. Y., assignors to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed Jan. 28, 1924. Serial No. 689,127. 3 Claims. (Cl. 25-131.)



1. An aligner member comprising a U-shaped body one side of which is elongated and formed with an approximately U-shaped flange of a cross-section of less diameter than the body, whereby a plurality of such sections may be assembled one within the other.

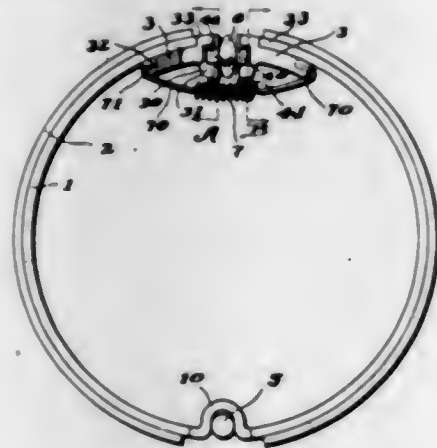
1,520,966. STRETCHING FRAME FOR EMBROIDERY MACHINES. ROBERT REINER, Weehawken, N. J. Filed July 28, 1922. Serial No. 578,048. 1 Claim. (Cl. 112-90.)



A stretching frame for embroidery machines comprising pivoted arms constituting clamping members for the ends of the fabric, means for locking said arms in clamping position and stretching members for the opposite side margins of the fabric, each stretching member comprising a hollow spindle formed with a longitudinal recess leading into the hollow of said spindle and the width of which is smaller than the diameter of said hollow, a clamping member of substantially elliptical

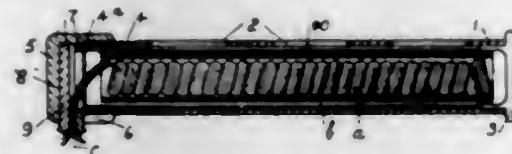
cross section, the small axis of which is about the size of the width of said recess and the long axis of which is substantially of the size of the diameter of said hollow, said clamping member being adapted to engage the fabric between itself and the inner wall of said hollow, when turned on its longitudinal axis away from the recess and means on said clamping member for facilitating the turning thereof within said hollow.

1,520,967. AUTOMOBILE BRAKE SHOE. HARVEY N. ROTHWEILER, Seattle, Wash. Filed Nov. 16, 1922. Serial No. 601,275. 5 Claims. (Cl. 188-78.)



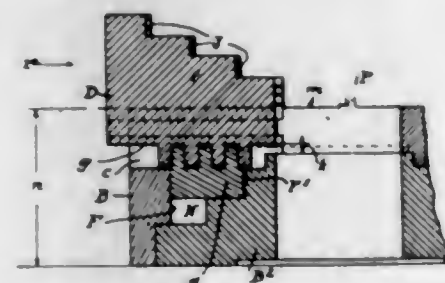
1. An adjusting device for expansible brake bands comprising wear plates adapted to cover the ends of the bands and having a flange adapted to fit over either peripheral face of the band.

1,520,968. STEAMING TUBE FOR HAIR WAVING AND CURLING. PETER SARTORY, Bayswater, London, England. Filed Feb. 6, 1922. Serial No. 534,484. 7 Claims. (Cl. 132-36.)



1. A device for steaming a tress of natural hair arranged upon a curler, comprising a rigid tube of moisture proof material adapted to slip axially over said hair tress, a longitudinally adjustable closure associated with flexible packing members at one end of said tube for sealing such tube end steam-tight to the projecting end or ligament of the hair tress in said tube and means for venting the latter.

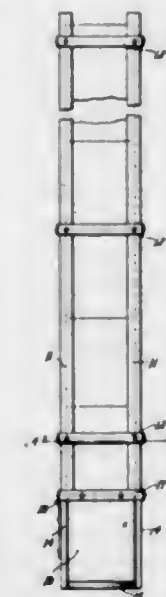
1,520,969. RIGID-ACTION SCROLL AND JAW-SLIDE LATHE CHUCK. FRANK C. SMART, Hartford, Conn. Filed Aug. 16, 1923. Serial No. 637,718. 14 Claims. (Cl. 279-114.)



1. In a chuck-mechanism of the class described, in combination, a body-member provided with scroll-ring-supporting means and with jaw-slide guiding means; a scroll-ring rotatably supported by said scroll-ring-supporting means on the body-member, and having on an

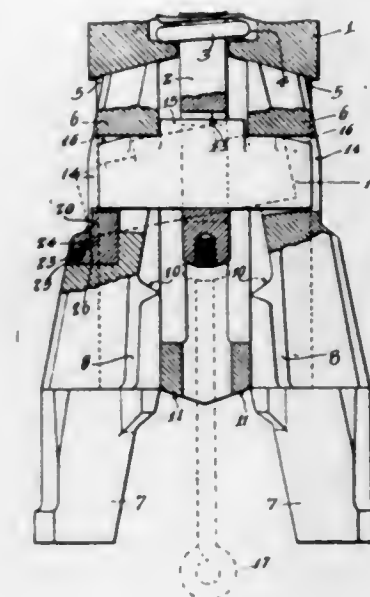
annular face-zone thereof, a scroll comprising a plurality of spirally-curved and laterally resilient thread-turns and also having between side-surfaces of said thread-turns (when these are unflexured) thread-channel turns each of uniform size and cross-sectional shape throughout the length thereof; a jaw-slide supported by said guiding means for sliding movements radially of the body-member and extending across and in front of and contiguous to said thread-turns of the scroll-ring, and having a series of thread-turns-engaging slide-teeth which project from the slide and are fixedly united at their base-lines to the slide, and are laterally-resilient at an outer edge thereof, and which, between side-faces thereof, and throughout the length thereof, each have (normally and when unflexured) a cross-sectional size and shape uniform with the said cross-sectional size and shape of a thread-channel, said slide-teeth also having base-lines positioned with a curvature relation as between these base-lines and the base base-lines of the thread-turns, and deviating (but only within the limits of their resiliency) from the base-line curvatures of the thread-turns, these thread-turns and said slide-teeth being proportioned and fitted for coacting with an inter-flexuring action thereof which consists in the torsional shaping of the slide-teeth and of tooth-engaging arcs of the thread-turns thereby coactively and resiliently to forcibly flex said slide-teeth and said thread-turn arcs into modulated forms, respectively; in which the outer edge of a slide-tooth is forced into a curvature coinciding with the base-line curvature of a coacting thread-turn arc is forced into an alignment coinciding thread-turn arc, and in which the outer edge of a said with the base-line of a coacting slide-tooth, and thereby bring the said side-surfaces of the tooth-engaging thread-turn arcs and the said side-faces of the slide-teeth, into surface-to-surface bearings each with the other.

1,520,970. DISPENSING DISPLAY RACK. WARREN S. SMITH, Bangor, Pa. Filed Jan. 30, 1924. Serial No. 689,533. 3 Claims. (Cl. 211-14.)



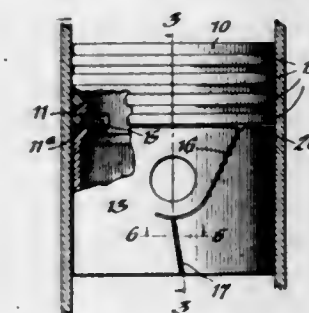
1. A display and dispensing device comprising an elongated frame like structure designed to receive a column of packages, a hinged section depending from the rear of said frame and normally in vertical alignment therewith, said section being designed to support said column and adapted to be swung rearwardly upon its hinge to release the lowermost package, gravity means automatically operable to engage and hold the column immovable, while said hinged section occupies an inactive position, and means carried by said section for returning the said gravity means to normal position when said section is returned to its normal position, whereby the column of packages is allowed to slide through the frame into said section.

1,520,971. UNDERREAMER. RICHARD R. SMITH, Torrance, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Feb. 20, 1922. Serial No. 538,001. 6 Claims. (Cl. 255-75.)



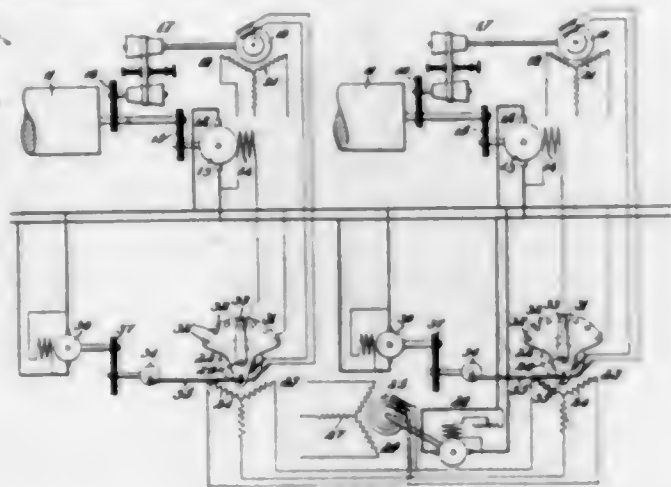
1. In an underreamer, the combination of a body, a spring rod mounted in the body and provided with a transverse key-receiving slot, opposed cutters having shanks provided with key-slots substantially aligned with the key-slot of the rod, a cutter-supporting key insertable in an inclined position through the aligned slots when the spring rod is in a depressed position with its slot aligning with the slots of the opposed cutters, and a lock-member seated in the side of one of the cutters, having an upper edge with its surface extending longitudinally under, and engaging, the edge of said key for maintaining the key against displacement, said lock-member being removable to permit withdrawal of the key, the slot of the cutter opposite the locking member being of greater length than the depth of the end of the key engaging therein, to permit clearance in inserting the key.

1,520,972. ENGINE PISTON. ALBERT SPILLMAN, North Tonawanda, N. Y. Filed Feb. 15, 1923. Serial No. 619,303. 6 Claims. (Cl. 74-108.)



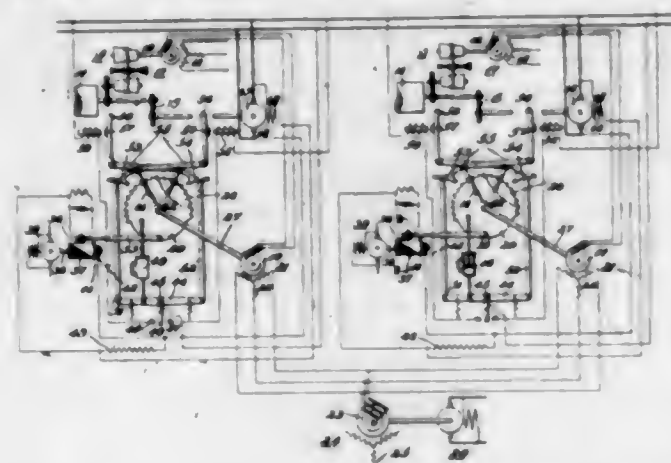
1. An engine piston comprising a skirt having wrist pin bearings and a head having packing ring grooves and a transverse slot formed in the bottom of one of said grooves and located in a side of the piston at right angles to the sides containing the wrist-pin bearings, said skirt having a slit arranged at an angle to said transverse slot and joined at its upper end therewith, the lower end of said skirt-slit extending around the lower side of the adjacent wrist-pin bearing and terminating at a point beyond its vertical axis.

1,520,973. SPEED-REGULATOR SYSTEM. STEPHEN A. STAEGER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,768. 25 Claims. (Cl. 171-229.)



7. In a regulator system, the combination with a dynamo-electric machine having a rheostat in circuit therewith having a plurality of movable parts, of means for vibrating one of the parts of said rheostat to vary the effective value of said rheostat in said circuit.

1,520,974. SPEED-REGULATOR SYSTEM. STEPHEN A. STAEGER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 497,816. 14 Claims. (Cl. 171-229.)



3. In a regulator system, the combination with a motor, a resistor in circuit therewith, and a differential device associated therewith, of a commutator cylinder and co-operating movable brush apparatus actuated by said differential device and adapted to control the value of said resistor, said brush being moved in accordance with the operation of said differential, and means adapted to move said brush in an opposite direction at predetermined times.

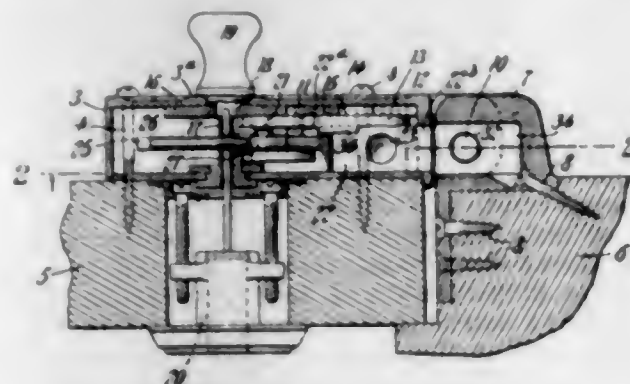
1,520,975. PADLOCK. GEORGE H. STERLING, Minneapolis, Minn. Filed Mar. 26, 1923. Serial No. 627,657. 15 Claims. (Cl. 70-107.)



1. A lock comprising a casing having curved arms with a curved passage therethrough and a portion extending from said arms having substantially parallel sides, a triangular member disposed in said portion having its free ends adapted to enter or be moved from said

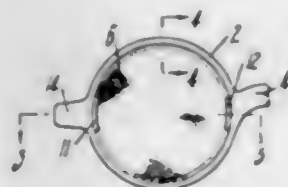
passage, a ball enclosing the base end of said triangular member and adapted to receive key plates, the opposite sides of said portion of the casing being bent inwardly between the sides of said ball to hold the said ball in place and a bow member movable in said passage.

1,520,976. LOCK. LOUIE STERN, New York, N. Y., assignor of one-half to Benjamin Weisbart, New York, N. Y. Filed Apr. 20, 1921. Serial No. 462,869. 4 Claims. (Cl. 70-46.)



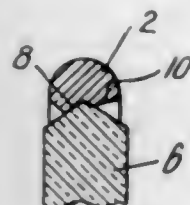
1. A lock including in combination a casing, a bolt and a bar which in their unlocked positions respectively lie within said casing, means for projecting said bar outwardly from within said casing into the path of said bolt, and means for projecting said bolt thereafter outwardly from within said casing into engagement with said bar.

1,520,977. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed June 2, 1921. Serial No. 479,480. 10 Claims. (Cl. 88-47.)



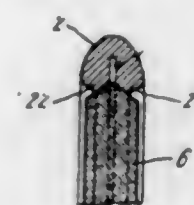
1. An ophthalmic mounting comprising an endless rim having a lens-receiving groove of calibre substantially equal to the dimension of the lens, one of the walls of the groove being of dimension such as to permit entry of the lens, one or more clips being provided for retaining the lens within the groove.

1,520,978. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed May 15, 1922. Serial No. 560,955. 4 Claims. (Cl. 88-47.)



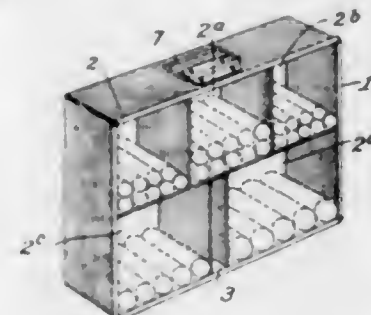
1. An ophthalmic mounting comprising an endless rim having a lens-receiving groove provided with walls on both sides of the groove, one of the walls being slightly cut away to permit entry of a lens of dimension substantially equal to the calibre of the groove and the rim being unslotted to render it comparatively rigid.

1,520,979. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Original application filed June 22, 1921. Serial No. 479,480. Divided and this application filed Sept. 9, 1922. Serial No. 587,077. 3 Claims. (Cl. 88-47.)



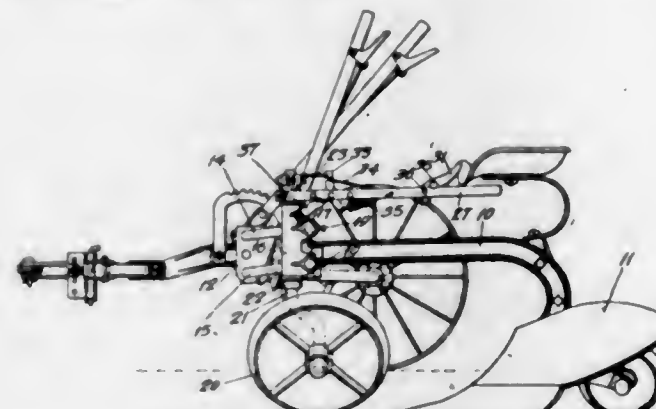
3. An ophthalmic mounting comprising an endless rim constituted of resilient material and provided with an inner groove the mouth of which is wider than its throat, the portion of the rim near the mouth of the groove constituting a lens seat, and the portions of the rim on opposite sides of the groove being adapted to be momentarily sprung apart to permit mounting a lens within the seat.

1,520,980. COIN CABINET. DAVID G. STORY, Larchmont, N. Y., assignor to Bankers Specialty Corporation, Perth Amboy, N. J., a Corporation of New Jersey. Filed Feb. 26, 1921. Serial No. 448,193. 3 Claims. (Cl. 133-11.)



3. In a coin cabinet, a box having separate chambers therein to accommodate rolls of coins of different denominations and adapted to hold said rolls at an angle to the back of the box, said back being provided with projections, against which projections the end of the rolls are adapted to rest, leaving spaces between said rolls and the projections immediately above them.

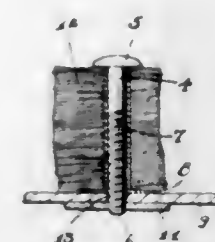
1,520,981. WHEELED PLOW. CARL G. STRANDBLUND and THEOPHILUS BROWN, Moline, Ill., assignors to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Nov. 30, 1923. Serial No. 677,715. 10 Claims. (Cl. 97-127.)



1. In a plow, the combination of a furrow wheel, a standard therefor, a stationary member in which said standard is journaled, a lever movably mounted upon said standard, and means comprising a movable element carried by the lever for locking the standard against rotative movement.

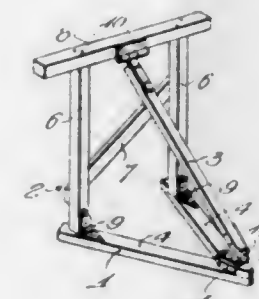
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1,520,982. BINDING POST FOR CALENDARS. WILLIAM T. SULLIVAN, Cincinnati, Ohio. Filed Apr. 17, 1922. Serial No. 553,550. 1 Claim. (Cl. 129-8.)



In a calendar pad and the like the combination of a perforated base, a pad of sheets each having a perforation aligned with the perforation in the base, a sleeve having a radial flange at one end received in the perforations in the sheets and having the flange interposed between the sheets and the base, a headed screw extending through the sleeve and the base, the head being spaced by the sleeve from the base and serving as an abutment for retaining the sheets on the sleeve and serving as an abutment for engagement of the sheets for individually tearing the sheets from the perforations therein for separating the individual sheets from the sleeve, and a nut at the back of the base, receiving the screw and clamping the base between the flange and the nut.

1,520,983. TEMPORARY TABLE STAND. WILLIAM J. TAYLOR, Cameron, Mo. Filed May 10, 1923. Serial No. 638,080. 2 Claims. (Cl. 304-5.)

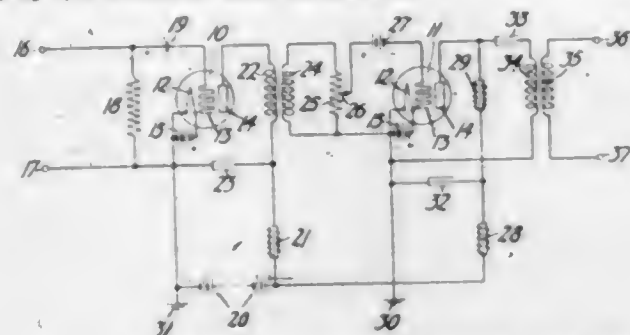


1. A temporary table stand comprising a V-shaped base, a pair of upright legs permanently hinged at their lower ends to the side bars of said base adjacent the open end of the latter, said legs being adapted to abut said side bars to limit their swinging away from the base, a horizontal table supporting bar secured at its ends to the upper ends of said upright legs, an inclined bar hinged to the center of said horizontal bar, and detachable connecting means between the other end of said brace bar and the pointed end of the V-shaped base, said legs being greater in length than the distance between their hinges and said pointed end of the V-shaped base to allow upward swinging of the base under said horizontal bar and to permit said inclined brace to swing downwardly from the horizontal bar against the outer side of the base.

1,520,984. ELECTRIC INSULATOR. PERCY H. THOMAS, Upper Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Aug. 29, 1913. Serial No. 787,243. Divided and this application filed Feb. 8, 1918. Serial No. 215,972. 8 Claims. (Cl. 173-318.)

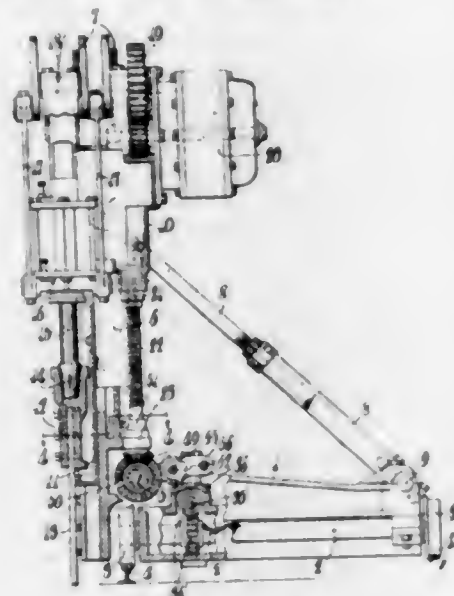
1. An insulator comprising a body member of dielectric material having a plurality of laterally spaced symmetri-

said impedance for effectively connecting said control electrode and said cathode across an adjustable proportion of the whole of said impedance.



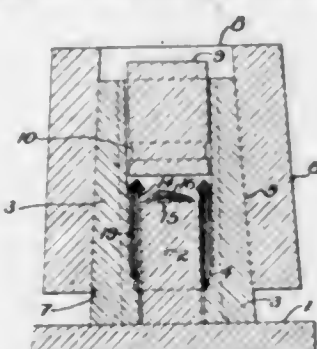
11. The method of operating a vacuum tube amplifier which comprises supplying alternating current to be amplified, and varying the ratio of amplification while the impedance opposed to said alternating current remains substantially constant.

1,520,995. CHANNELING MACHINE. ALBERT BALL, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Original application filed June 1, 1912, Serial No. 452,226. Divided and this application filed May 21, 1924. Serial No. 714,972. 23 Claims. (Cl. 202-16.)



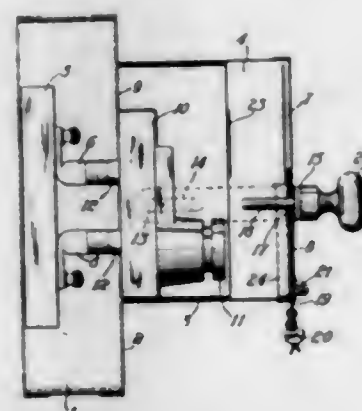
1. In a machine of the class described, the combination of a base, a standard pivoted on said base, a frame mounted on said standard, tool-actuating mechanism carried by said frame, and feeding mechanism for feeding said frame on said standard including a driving member arranged concentric with the axis of said standard.

1,520,996. CONTAINER AND METHOD OF MOLDING THE SAME. ARTHUR J. BASTIAN, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 3, 1921. Serial No. 489,458. 12 Claims. (Cl. 18-56.)



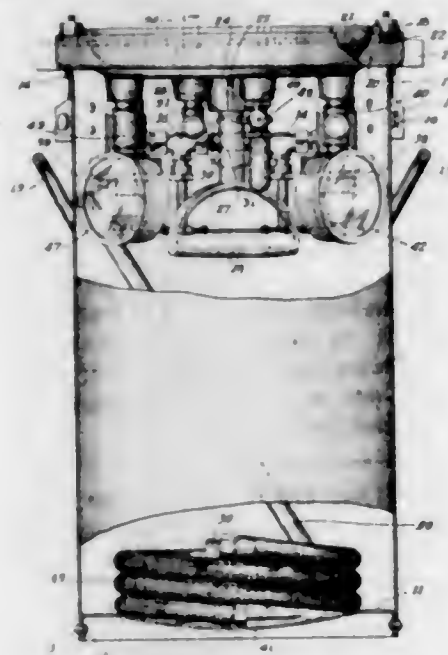
1. A molded article comprising a rectangular body portion of a plurality of spirally wound layers of fibrous sheet material and a bottom of said layers of sheet material, consolidated with a phenolic condensation product.

1,520,997. SAFETY SWITCH BOX. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 9, 1920. Serial No. 372,507. 7 Claims. (Cl. 200-50.)



1. A safety switch box comprising a base member constituting an enclosed switch compartment, switch jaw members in the switch compartment, an enclosed receptacle mounted on the base member, a relatively movable member therein, a fuse mounted on one side of the movable member and switch members on the other side to co-operate with the switch-jaw members, a slidable door for the enclosed receptacle, a reciprocating handle for actuating the movable member and means actuated by said handle for maintaining the door closed so long as the switch parts are in engagement.

1,520,998. COMBINED PAINT-SPRAYING APPARATUS AND TANK. WILLARD C. BEACH, Newark, N. J. Filed Oct. 21, 1922. Serial No. 595,914. 4 Claims. (Cl. 50-45.)

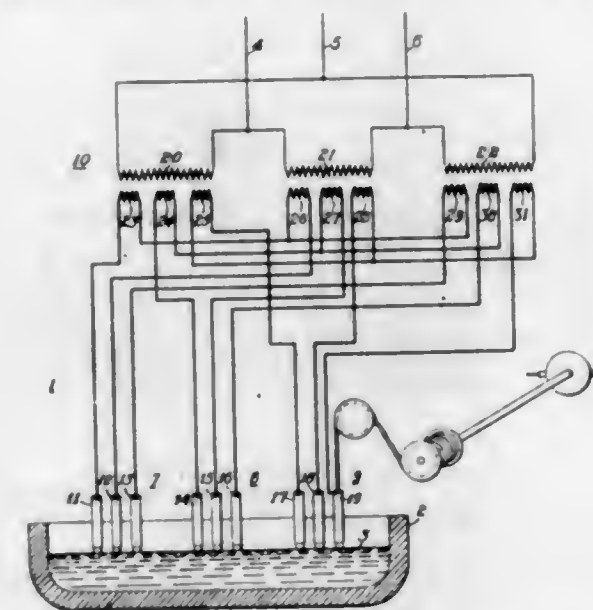


1. In a paint spraying apparatus, an open cylindrical tank, having handles fixed on its opposite sides, a reversible cover, means for securing said cover to the upper edge of said tank, a handle on said cover and devices for receiving, controlling, gaging and dispensing compressed air carried by said cover, all of said devices being disposable within said tank.

1,520,999. ELECTRIC FURNACE. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 11, 1920. Serial No. 409,720. 7 Claims. (Cl. 204-64.)

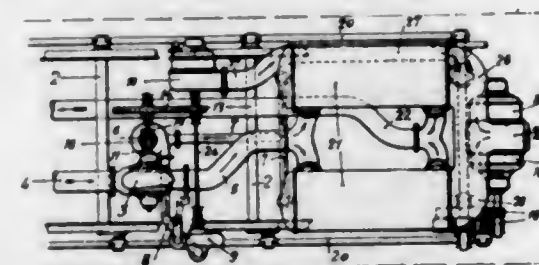
1. In an electric furnace, the combination comprising a plurality of sets of electrodes, a three-phase supply

circuit, and single transformer means for so connecting said sets of electrodes to the supply circuit as to prevent



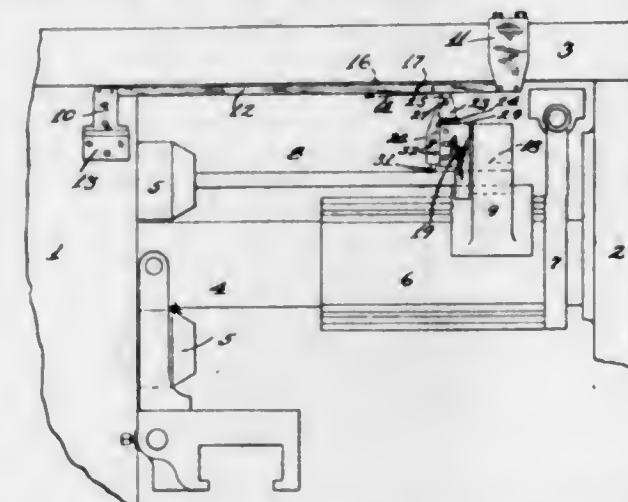
flow of current from one set of electrodes to an adjacent set of electrodes.

1,521,000. STEAM LOCOMOTIVE. HEINRICH BOLTHAUSER, Zurich, Switzerland. Filed Nov. 30, 1923. Serial No. 677,718. 6 Claims. (Cl. 105-38.)



1. In a steam locomotive in combination a steam power engine for driving the locomotive, a condenser for said steam power engine, a circulating pump for the cooling water utilized in the condenser, a pump for the water of condensation, a boiler feed pump, and an auxiliary power engine driving said circulating pump, said pump for the water of condensation and said boiler feed pump.

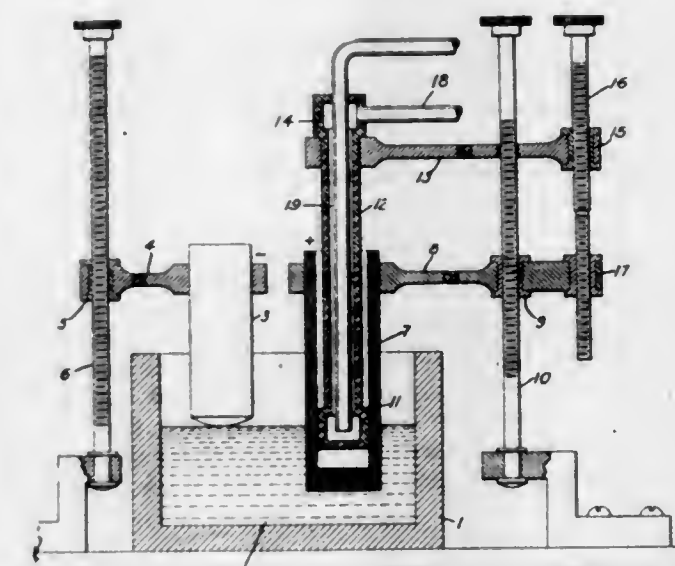
1,521,001. TAPER ATTACHMENT FOR SCREW MACHINES. JULIUS BOWMAN, Chicago, Ill., assignor to Johnson Automobile Lock Co., a Corporation of Illinois. Filed July 25, 1921. Serial No. 487,499. Renewed Sept. 18, 1924. 9 Claims. (Cl. 29-57.)



1. A screw machine taper attachment comprising a pair of brackets, a channel guide connecting the same, a taper guide pivotally engaged in said channel guide,

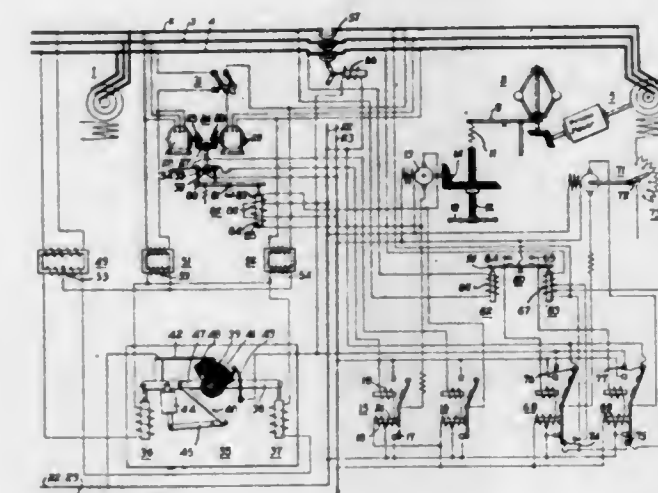
means for adjusting said taper guide, a spring-controlled cam coacting with said taper guide, a spring-controlled cutting head supporting said cam adapted to move first outwardly and then upwardly at the end of its operative stroke whereby on the return stroke said taper guide and said cam are out of operative engagement, a tool carried by said cutting head, a support for said cutting head, and means thereon for limiting the upward movement of said cutting head.

1,521,002. TEMPERATURE CONTROL FOR ELECTROLYTIC CELLS. PORTER H. BRACE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 13, 1919. Serial No. 337,683. 10 Claims. (Cl. 204-5.)



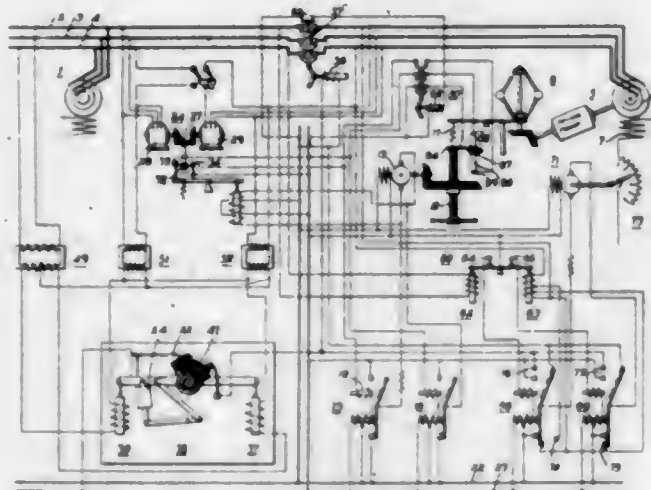
1. The combination with an electrolytic cell including an electrolytic bath and electrodes, of means for varying the immersed area of an electrode to control the temperature of the bath.

1,521,003. CONTROL SYSTEM. WILLIAM M. BRADSHAW and JOHN H. ASHBAUGH, Wilkesburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1922. Serial No. 576,241. 35 Claims. (Cl. 171-118.)



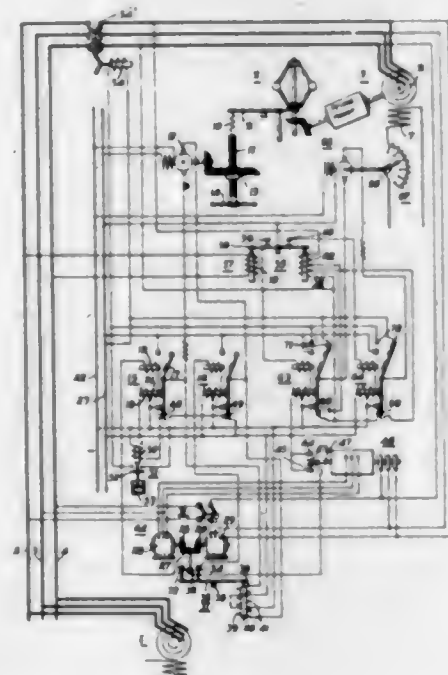
3. The combination with a power circuit and a dynamo-electric machine, of means for connecting said machine to said circuit, and control means therefor operated in accordance with the speed of said machine, the phase relationship of the respective currents and the voltages of the respective circuits.

1,521,004. REGULATOR SYSTEM. WILLIAM M. BRADSHAW and JOHN H. ASHBAUGH, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1922. Serial No. 576,242. 16 Claims. (Cl. 171—312.)



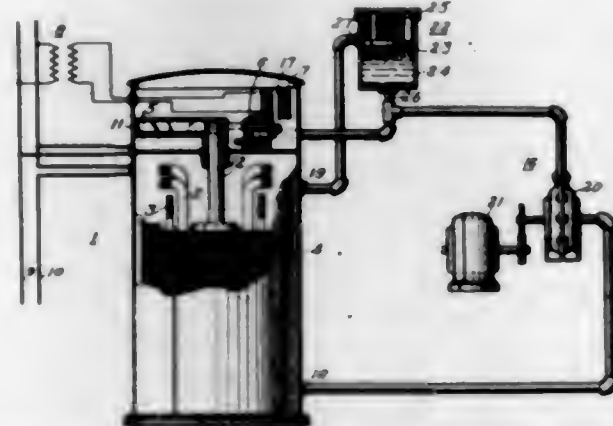
11. The combination with two disconnected dynamo-electric machines and means for connecting said machines together, of differential mechanism responsive to the speeds of said machines, motor-operated means controlled by the operation of said differential mechanism, reversing switches for controlling the operation of said motor, and automatic means for controlling said reversing switches after said machines are connected together.

1,521,005. REGULATOR SYSTEM. WILLIAM M. BRADSHAW and JOHN H. ASHBAUGH, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1922. Serial No. 576,243. 31 Claims. (Cl. 171—118.)



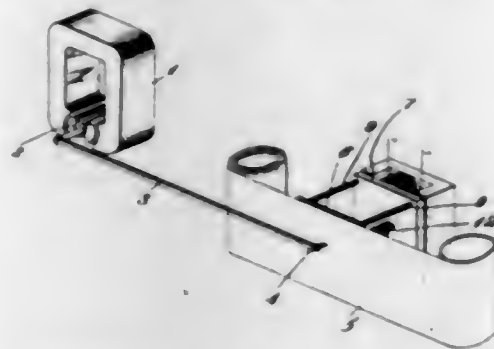
6. The combination with a power circuit and a dynamo-electric machine, of means for connecting said machine to said circuit, and control means therefor comprising contact mechanism, rotary means adapted to balance the phase relation of said circuit and said machine, and means adapted to balance the voltages of said circuit and said machine.

1,521,006. INDUCTION-REGULATOR SYSTEM. KAY CHRISTIANSEN, San Francisco, Calif., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 498,099. 6 Claims. (Cl. 171—119.)



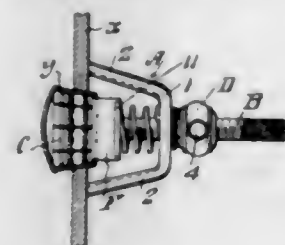
1. The combination comprising an induction regulator having a movable winding, and a motor for operating said regulator and having a propelling blade mounted on the shaft of said movable winding.

1,521,007. RECORDING METER. LEWIS WARRINGTON CHUNN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1921. Serial No. 438,585. 8 Claims. (Cl. 234—5.5.)



5. The combination with a record chart and a relatively movable recording stylus for engagement with a plane-surface portion thereof, of means for compensating for friction between the chart and stylus comprising a platen having a plane surface disposed in adjacent parallelism to the plane surface of the chart behind the latter, said platen being movable in directions normal to said plane surfaces, bearing means for the platen constructed and related thereto to maintain the plane surface thereof in accurate parallelism to the plane surface of the chart and means for rapidly vibrating the platen.

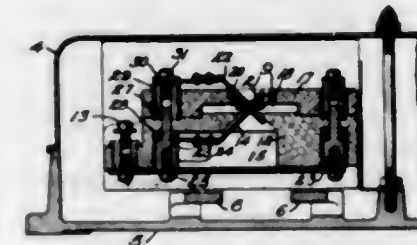
1,521,008. TOOL FOR INSTALLING BOILER HAND-HOLE CAPS. SAMUEL BRAINERD CLAY, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1923. Serial No. 655,673. 9 Claims. (Cl. 29—88.2.)



1. A tool for the purpose described, comprising a plurality of expansible jaws that are adapted to be inserted in a hollow element preparatory to moving said element endwise with relation to a part in which it is positioned.

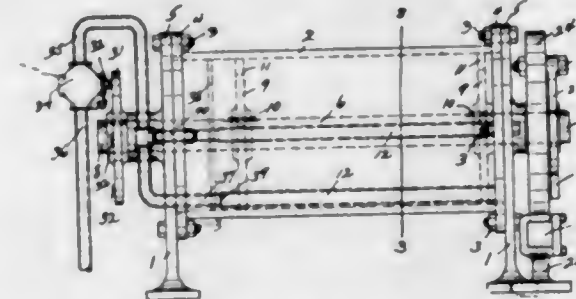
a tapered member which said jaws surround, a spring-pressed member movable relatively to said tapered member and arranged so that it normally exerts pressure on said jaws in a direction tending to hold them expanded, said spring-pressed member being adapted to be moved manually in a direction to permit the jaws to collapse, and means combined with said jaws for collapsing them automatically when said member is moved manually in the direction specified.

1,521,009. SWITCH MECHANISM. ORA A. COLBY, Irwin, and EARL W. DENMAN, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1920. Serial No. 427,779. 13 Claims. (Cl. 200—149.)



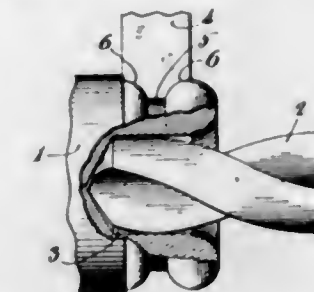
4. Switch mechanism comprising a housing having a shallow switch chamber, a movable switch member within the chamber, and contact jaws for the switch member secured to the exterior of the housing and projecting into the said chamber.

1,521,010. COATING MACHINE. FRANK H. CUNNINGHAM, Youngstown, Ohio. Filed Sept. 10, 1923. Serial No. 661,771. 2 Claims. (Cl. 91—12.5.)



2. In a device of the class described a circular drum means for carrying tubes downwardly and upwardly through a bath, means for injecting steam simultaneously within a tube immersed in the bath and another tube elevated above the bath, substantially as described for the purpose set forth.

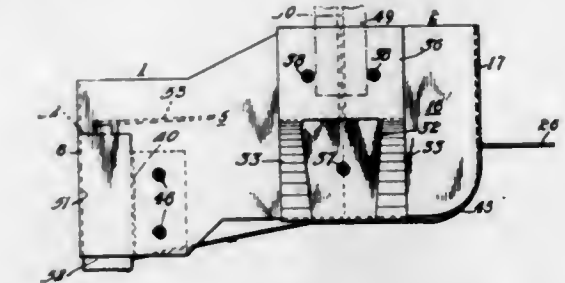
1,521,011. METHOD AND APPARATUS FOR FORMING CHAINS. OMER J. DASSEREAU, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 18, 1919. Serial No. 345,827. 35 Claims. (Cl. 59—35.)



1. The method of forming rings from bar stock, which consists in boring the stock axially, and operating on the stock exteriorly and also within said bore by tools each of which simultaneously forms portions of two rings.
10. In combination, in a ring forming mechanism,

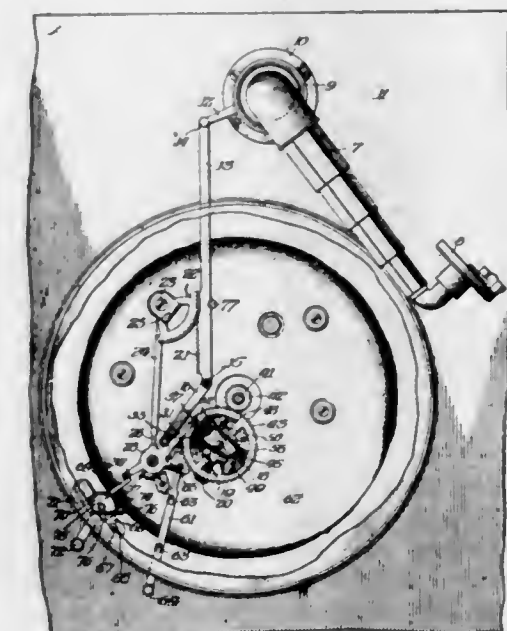
stock rotating means, means for boring and laterally grooving the same externally, and automatic means for laterally grooving the same internally and cutting off the ring.

1,521,012. BRUSH HOLDER AND METHOD OF MAKING THE SAME. JOHN S. DEAN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,213. 5 Claims. (Cl. 113—116.)



1. A pressed steel brushholder comprising a plurality of separately formed main elements each of which is provided with a plurality of tongue members and a plurality of outwardly extending ear members, said elements being so arranged in end-to-end relation that the tongue and ear members of one element relatively overlap and abut the corresponding members of the other element.

1,521,013. AUTOMATIC MOTOR STOP. FRED H. DOERR, Grand Rapids, Mich., assignor to Cheney Talking Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 29, 1922. Serial No. 557,415. 14 Claims. (Cl. 192—118.)

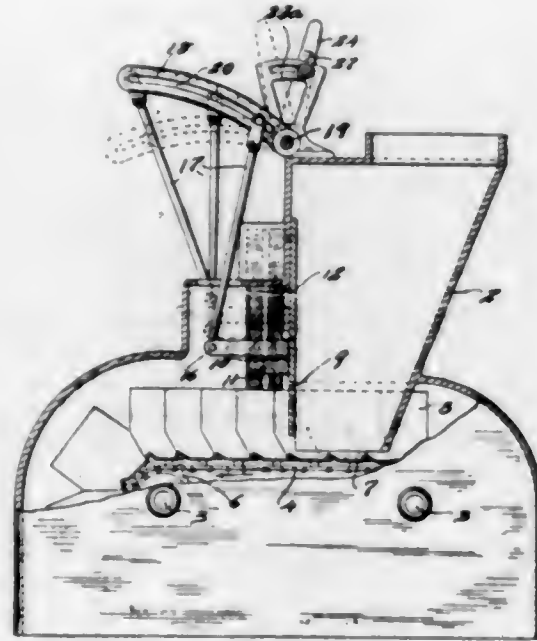


1. In combination with a motor and a traversing member, stop mechanism for said motor adapted to impose a positive cushioned resistance upon the motor, and means adapted to operate the stop mechanism upon cessation of movement by the traversing member.

1,521,014. REGULATING DEVICE FOR PERCENTAGE FEEDERS. EMIL R. DRAVER, Richmond, Ind., assignor of one-third to Orrin Draver and one-third to Florence Draver, both of Richmond, Ind. Filed Mar. 31, 1923. Serial No. 629,223. 17 Claims. (Cl. 83—44.)

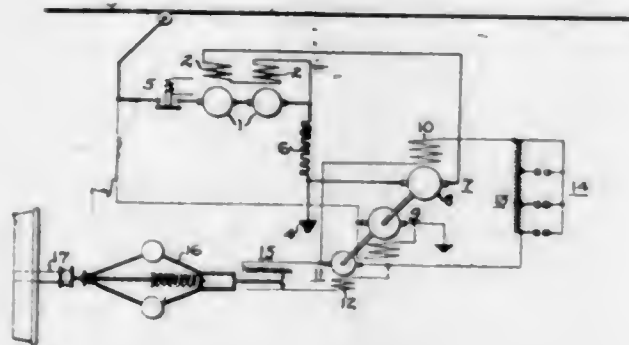
1. The combination with a plurality of feeding devices each having a discharge opening of constant size and an

adjustable member to vary the effective area of said opening, whereby said feeders may be arranged to feed in a definite proportion, and means for simultaneously



adjusting all of said members to increase or decrease the feed of all of said devices without varying said proportion.

1,521,015. CONTROL SYSTEM. THOMAS FERGUSON, Bowdon, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 16, 1923. Serial No. 625,522. 6 Claims. (Cl. 172-179.)

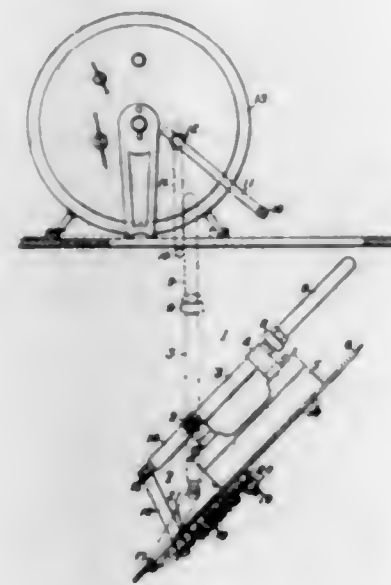


1. In a system of control, the combination with a momentum-driven dynamo-electric machine having an armature and a field winding, of a generator having a field winding and adapted to excite said first-mentioned field winding to effect regenerative operation of said machine, means for driving said generator at a substantially constant speed, and mechanical means for regulating the field winding of said generator in accordance with the speed of said dynamo-electric machine.

1,521,016. QUICK-ACTING KNIFE SWITCH. FRANK F. FORSHEE, Flint, Mich., assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Nov. 20, 1919. Serial No. 339,266. 8 Claims. (Cl. 200-154.)

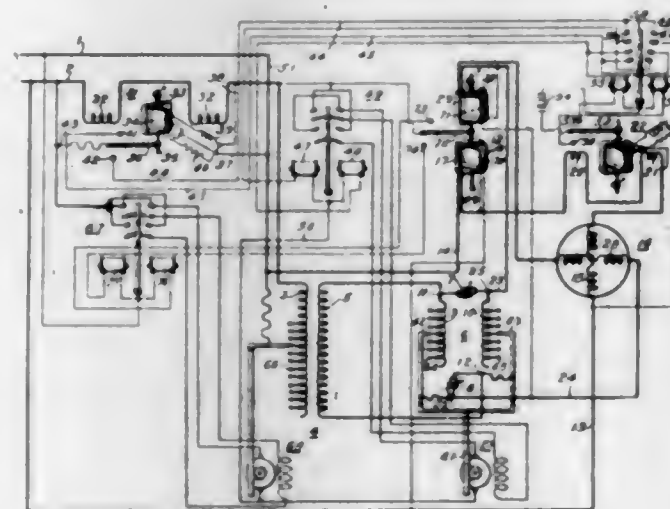
1. A switch comprising a pivoted knife-blade member, a member extending transversely therefrom, a projecting member operatively connected to said transverse member and extending substantially parallel to the blade

member, to one side of the pivot point of the latter, resilient means for biasing the blade member, a floating



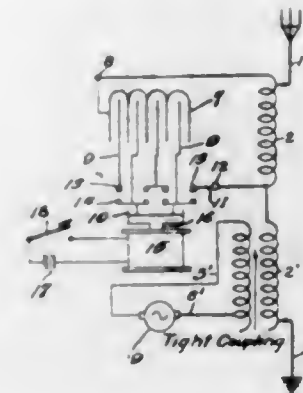
link movably connected to said projecting member and to said means, and means engaging the link intermediate its ends for directing the movement thereof.

1,521,017. ELECTRICAL DISTRIBUTING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,562. 9 Claims. (Cl. 172-238.)



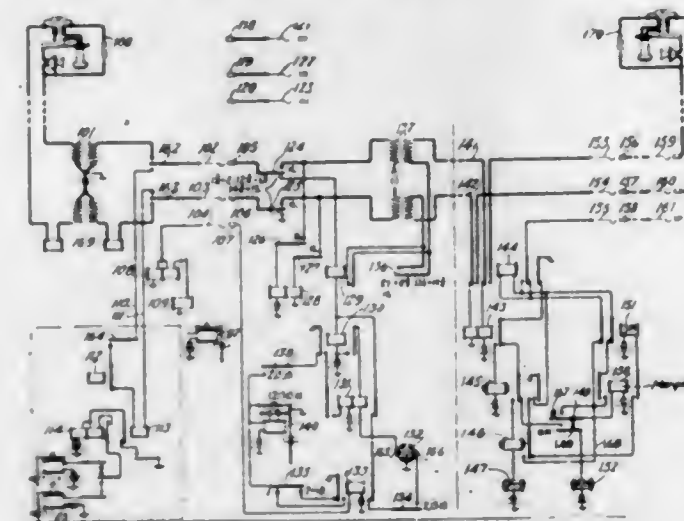
2. The combination with a single-phase power-supply circuit, polyphase load circuits, and phase-modifying means connected with said circuits to enable polyphase apparatus to operate on the single-phase supply circuit, of automatic means responsive to relative wattage conditions of the polyphase apparatus windings for maintaining substantially balanced polyphase conditions in said polyphase circuits and automatic means responsive to certain relative conditions of said power-supply circuit and of one of said polyphase windings for controlling the power factor in said single-phase circuit, irrespective of the load conditions obtaining in the polyphase circuits.

1,521,018. SIGNALING SYSTEM. HOWARD L. GODFREY, Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1920. Serial No. 386,195. 10 Claims. (Cl. 250-19.)



1. In combination with a condenser having a plurality of plate members, a plurality of contact members for said plurality of plate members, and means for substantially simultaneously actuating said contact members.

1,521,019. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1920. Serial No. 374,533. 6 Claims. (Cl. 179-27.)



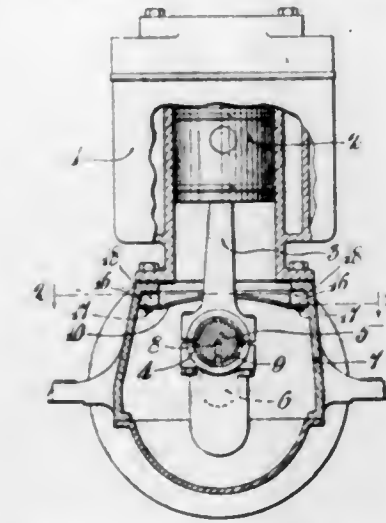
1. In a telephone exchange system, a line, an automatic switch arranged to be operated in a continuous movement, step-by-step operated switches, a register controlling mechanism for controlling the operation of said first switch to extend said line to said step-by-step switches, a control circuit, a relay in said circuit under the control of said mechanism for sending impulses to operate said step-by-step switches to further extend said line, a continuously driven interrupting device for operating said relay, and means for determining the extent of operation of said relay.

1,521,020. ANTIFRICTION INSERT FOR LEAF SPRINGS. ARTHUR V. GULLBORG, Chicago, Ill. Filed July 17, 1919. Serial No. 311,548. 19 Claims. (Cl. 267-49.)



1. Anti-friction insert for spring leaves consisting of two layers of material glued together, and metallic anti-friction members spaced and secured between said layers.

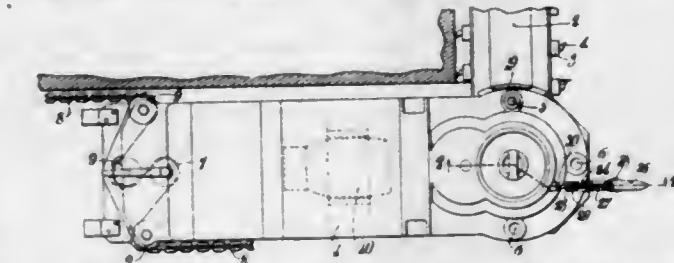
1,521,021. COMPRESSOR. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 1, 1920. Serial No. 385,720. Renewed Mar. 8, 1924. 15 Claims. (Cl. 230-27.)



1. In combination, a crank casing, a cylinder thereon, a piston in said cylinder, a crank shaft in said crank casing, a connecting rod connected between said shaft and said piston, and oil baffle means between said crank casing and cylinder so constructed and arranged as to provide an aperture for said connecting rod and a spaced breathing space for said piston.

12. In a compressor, the combination comprising a cylinder, a piston therein, a crank case supporting said cylinder, a crank shaft in said case, a connecting rod connecting said shaft and piston, and a plurality of bowed plates disposed beneath said cylinder overlapping at their adjacent edges and spaced apart at their opposite sides from the walls of said case, said plates cooperating to present a narrow aperture for said connecting rod.

1,521,022. SAFETY APPLIANCE FOR MINING MACHINES. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 11, 1921. Serial No. 476,756. 28 Claims. (Cl. 262-30.)



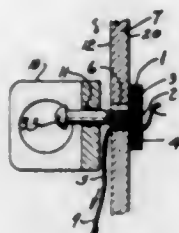
1. The combination with a bodily movable machine, of means including a pivoted element engageable with an extraneous abutment carried by said machine for automatically discontinuing the operation thereof only upon bodily movement thereof in one direction.

1,521,023. MINING APPARATUS. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 1, 1922. Serial No. 557,660. 17 Claims. (Cl. 105-161.)



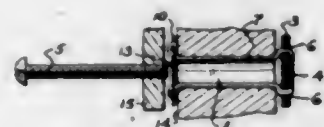
1. In an apparatus including a fixed and a movable element, toggle mechanism for locking the elements together including an operating handle, and means for frictionally holding said handle in adjusted position.

1,521,024. ANCHOR-BOLT NUT. WILLIAM A. HUBNER, New York, N. Y., assignor to Diamond Expansion Bolt Company, New York, N. Y., a Corporation of New York. Filed Aug. 8, 1923. Serial No. 656,324. 3 Claims. (Cl. 85—3.)



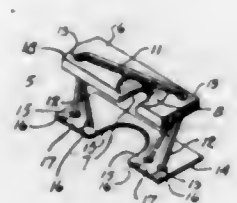
1. The combination of a wall having a hole, work to be supported upon the wall, an anchor bolt nut having a removable pull member to position the nut on the interior of the wall, a securing member cooperating with the anchor bolt nut, said pull member being adapted to be removed from the nut prior to the final positioning of the parts so that the work can be brought up flush against the outer face of the wall.

1,521,025. ANCHOR-BOLT NUT. WILLIAM A. HUBNER, New York, N. Y., assignor to Diamond Expansion Bolt Company, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 678,894. 10 Claims. (Cl. 85—3.)



4. A new article of manufacture comprising an anchor bolt nut provided with a threaded hole to engage with a bolt, and with engaging means to support a resilient pull member, and a resilient pull member supported by said engaging means and a pull member holder connecting the ends of the resilient pull member.

1,521,026. ANCHOR BOLT. WILLIAM A. HUBNER, New York, N. Y., assignor to Diamond Expansion Bolt Company, New York, N. Y., a Corporation of New York. Filed May 2, 1924. Serial No. 710,582. 7 Claims. (Cl. 85—3.)

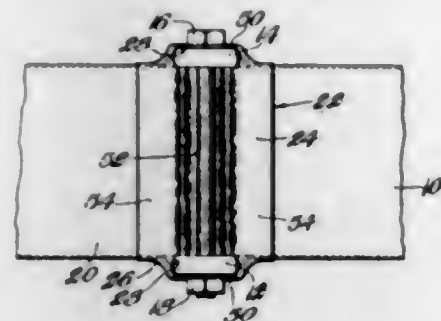


2. A new article of manufacture comprising an anchor member or toggle head adapted to cooperate with the inner surface of a wall or other support provided with a looped resilient pull member and a pull member holder connecting the ends of the resilient pull member.

1,521,027. CLIP CAP FOR SPRING COVERS. CARLISLE A. LINCOLN and EDWIN F. ROSSMAN, Buffalo, N. Y., assignors to The Haudaille Company, Buffalo, N. Y., a Corporation of Delaware. Filed Feb. 5, 1924. Serial No. 690,724. 6 Claims. (Cl. 267—37.)

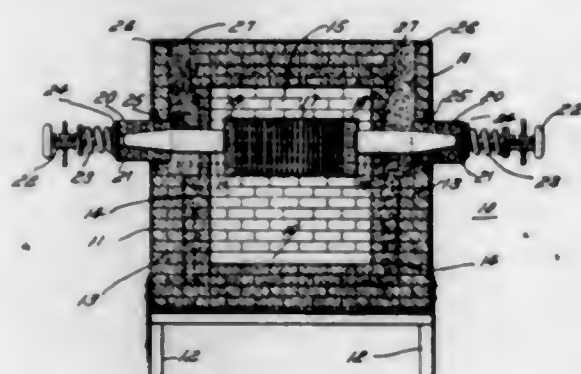
1. The combination with a flexible casing wrapped about a vehicle spring and having an opening for the reception of the upper portion of a spring clip of a

closure member comprising a plate extending across the opening in the casing beneath the cross bolt of the spring clip and having depending portions extending downwardly



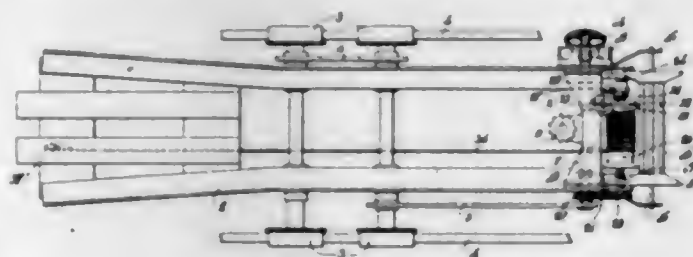
along the sides of the casing, the closure member having openings for the projection therethrough of the upper portion of the spring clip.

1,521,028. RESISTOR FOR ELECTRIC FURNACES. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 24, 1921. Serial No. 472,094. 2 Claims. (Cl. 204—64.)



1. An electric furnace resistor comprising a plurality of thin flat plates of refractory material, means comprising granular electric-conducting material for electrically connecting said plates over only a relatively small portion of their area, said means serving also to maintain said plates in substantially spaced-apart relation, and means for maintaining said resistor under substantially constant compression.

1,521,029. TRUCK. FRED T. LORREY, St. Louis, Mo., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 29, 1921. Serial No. 456,605. 12 Claims. (Cl. 105—161.)



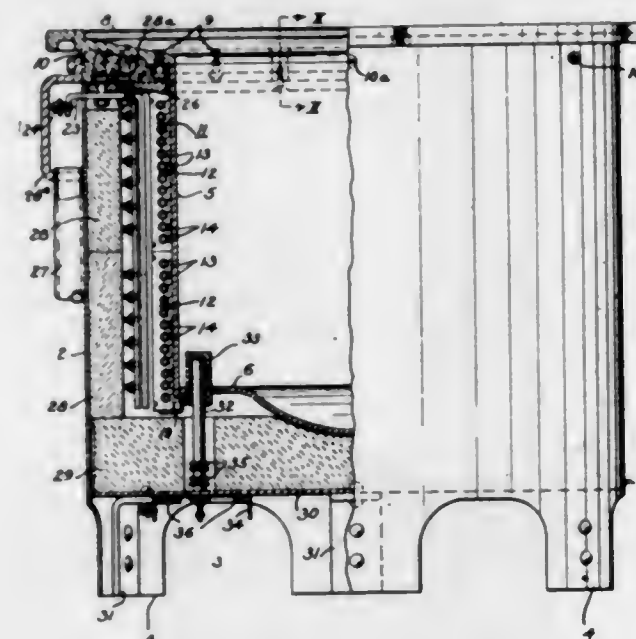
9. The combination with a wheeled mining machine truck frame having guides adapted to slidably receive a mining machine and carrying truck wheel driving mechanism adapted in one position of the mining machine thereon to be operatively connected to the machine and driven thereby, of a supplemental propelling mechanism having a flexible member disposable longitudinally beneath said truck frame and a cooperating drum disposed on the rear end of said truck frame and driven by said truck driving mechanism.

1,521,030. NON-SEW-ON RING. JAMES W. MCGHEE, Los Angeles, Calif., assignor of one-half to Ethel Jinks, Los Angeles, Calif. Filed Jan. 15, 1923. Serial No. 612,705. 6 Claims. (Cl. 156—21.)



5. In a non-sew-on ring, a circular member pointed at one end, the other end portion being bent upon itself to form a guard to receive the pointed end and to form a loop to clamp the fabric, and the end of one of the loop members being curved away from the other loop member.

1,521,031. ELECTRICALLY-HEATED SOLDER POT. ALLIS M. MACFARLAND, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 19, 1921. Serial No. 485,881. 12 Claims. (Cl. 219—19.)

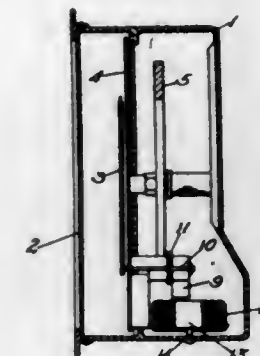


1. An electrically heated solder-pot comprising an outer casing, a container for the material being heated, an annular flange member secured to said container and supporting it from the casing, a flexible heating element encircling said container and contact terminals for said heating element supported by, and depending from, said annular flange member.

1,521,032. ELECTRICAL MEASURING INSTRUMENT. PAUL MACGAHAN, Pittsburgh, and HARRY P. SPARKES, Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 2, 1919. Serial No. 328,055. 7 Claims. (Cl. 171—95.)

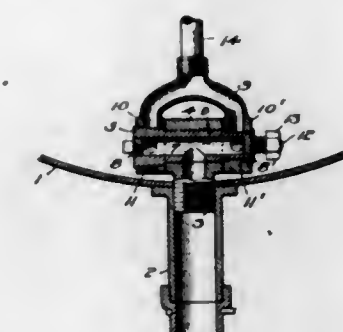
2. A measuring instrument comprising means for effecting flux fields having nonintersecting axes and a movable

magnetizable member inductively influenced by said means and having its magnetic axis disposed intermediate said axes.



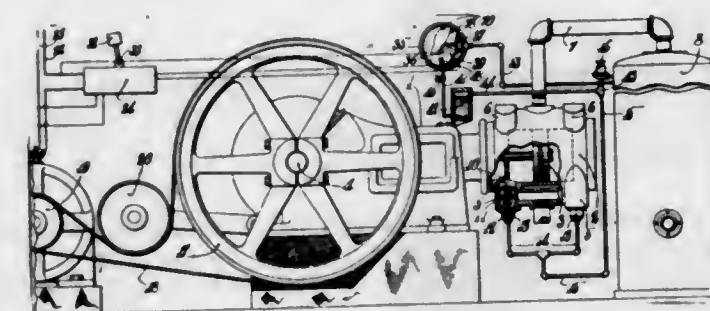
5. A measuring instrument comprising a permanent magnet, a movable magnetizable vane and an electromagnet having magnetic axes disposed in successively offset parallel planes in the order named.

1,521,033. OIL-TANK VALVE. BENEDICT H. MATHIS, Warren, Pa. Filed May 22, 1924. Serial No. 715,126. 2 Claims. (Cl. 132—21.)



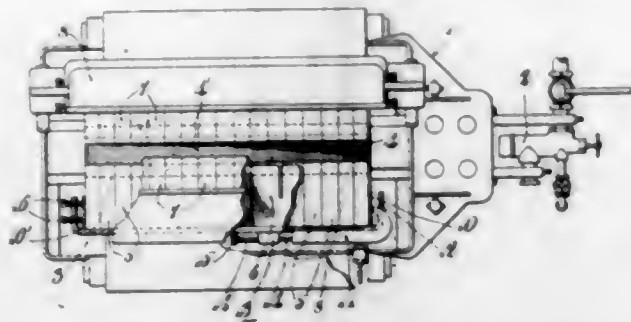
1. A tank discharging valve of the character described, comprising a valve head having a discharge port therein, a gudgeon passing through said valve head, a tubular passageway in said gudgeon in communication with said discharge port, a hollow yoke member spanning said valve head formed with ported yoke terminals rotatively mounted on said gudgeon, and closable ports in said gudgeon passageway adapted to be uncovered by the movement of the yoke member.

1,521,034. COMPRESSOR-CONTROLLING MECHANISM. LOUIS A. MAXSON, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Aug. 1, 1921. Serial No. 489,093. 16 Claims. (Cl. 230—24.)



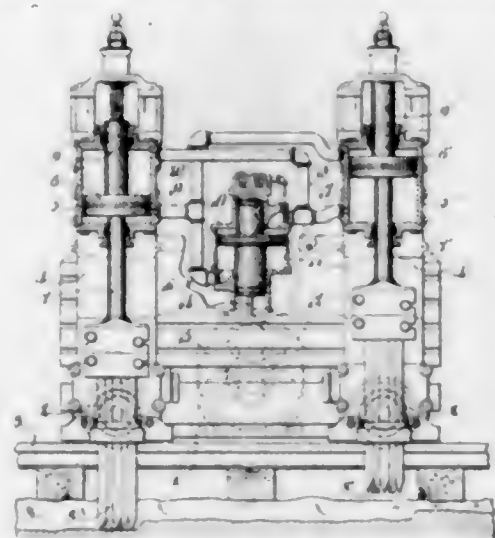
1. In a compressor system, in combination, a compressor, unloading means therefor, a driving motor for said compressor, means for starting and stopping said motor, and means governed by the rate of air consumption controlling the operation of said compressor system.

1,521,035. FORGING FURNACE. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 453,105. 16 Claims. (Cl. 263-46.)



1. In a furnace, a wall exposed to combustion products and made up of a series of fire brick, and means for yieldingly holding them in position comprising a plate engaging one end of said series and means for applying an elastic pressure perpendicularly to said plate at a point adjacent the center thereof.

1,521,036. PERCUSSIVE TOOL. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 19, 1920. Serial No. 382,620. Renewed Aug. 28, 1922. Serial No. 584,763. 18 Claims. (Cl. 262-15.)



1. In a percussive tool, a double acting fluid pressor, a plurality of tools having actuating cylinders, conduits connecting one end of said pressor with opposite ends of said cylinders, and conduits connecting the other end of said pressor with the remaining ends of said cylinders.

1,521,037. TRUCK. MARION C. MITCHELL, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 10, 1920. Serial No. 350,504. 26 Claims. (Cl. 105-161.)

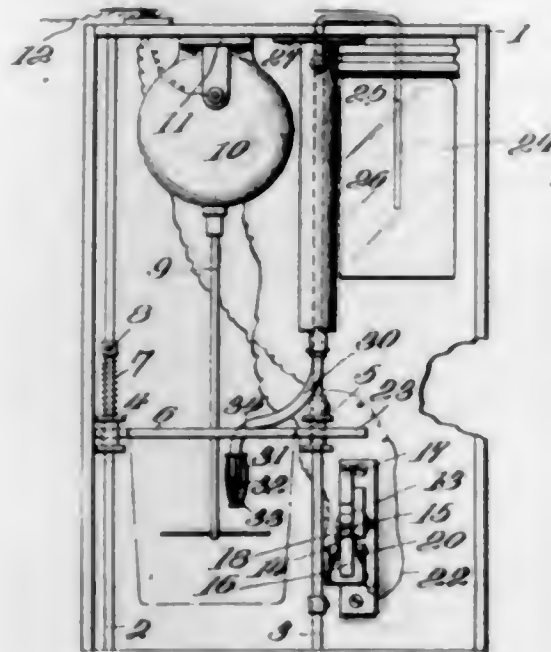


1. In a mining truck, a truck frame including wheeled side members adapted to intersect all the wheel axes, and a loading member supported on said members and movable therebetween.

1,521,038. MIXING AND AGITATING DEVICE. NOBLE L. MOORE, Mitchell, Ind., Filed Jan. 29, 1924. Serial No. 689,251. 8 Claims. (Cl. 259-24.)

1. A device of the class described comprising a support adapted to receive a receptacle in position, an agitating

member adapted to project into said receptacle when so positioned, means for injecting into said receptacle a predetermined charge of substance to be agitated, and



means constructed and arranged by the positioning of the receptacle to operate said charge injecting means and to operate said agitator.

1,521,039. SLIDING CLOSURE. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Aug. 28, 1922. Serial No. 584,724. 2 Claims. (Cl. 20-56.2.)

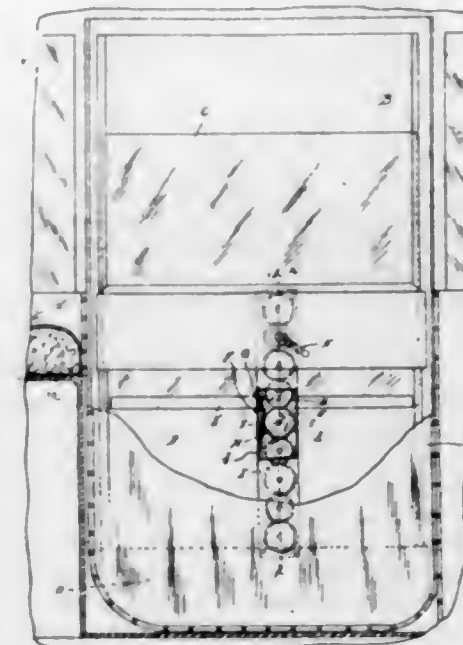


1. A sliding glass plate having its bearing edges concavely curved between the extremities thereof to insure points of bearing adjacent said extremities.

1,521,040. WINDOW-CONTROL MECHANISM. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Sept. 11, 1922. Serial No. 587,598. 9 Claims. (Cl. 268-4.)

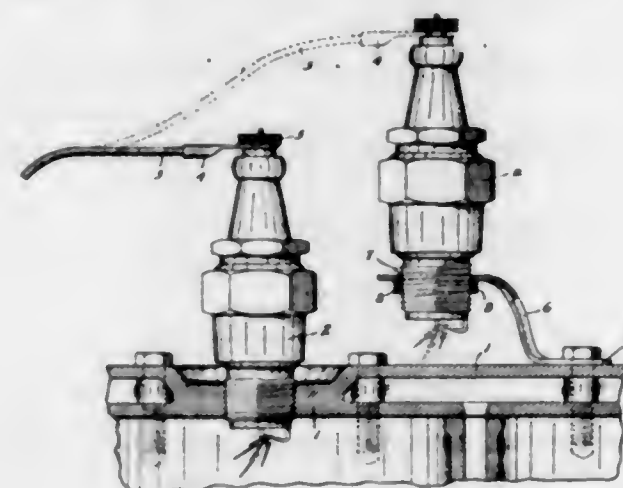
1. In a window control mechanism the combination with a sliding closure, of a rack bar carried thereby and extending in the direction of travel thereof, and a train of gears having the plane of their axes substantially parallel to said rack bar, said train comprising idling gears alternating with actuating gears, the actuating

gears of said train being adapted to inter-mesh with said rack bar, the latter being proportioned in length to pass into engagement successively with each of said



actuating gears just prior to disengaging from the preceding actuating gear of the series, and means for driving said train of gears.

1,521,041. SPARK-PLUG CARRIER AND TESTING DEVICE. HARRY L. OPSALL, Minneapolis, Minn., Filed Jan. 31, 1921. Serial No. 441,236. 2 Claims. (Cl. 175-183.)

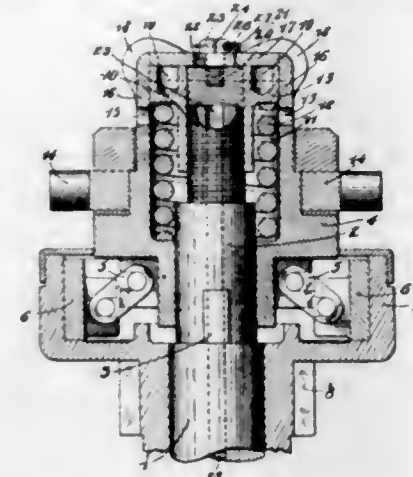


2. A spark plug carrier for an internal combustion engine comprising a thin strip of comparatively soft metal having one of its ends apertured and adapted to be clamped under one of the nuts on a cylinder head bolt, said strip having its other end offset to be disposed adjacent said first mentioned end and having an aperture therein, spaced integral tangs surrounding said aperture and projecting away from the plane of said latter end, said tangs being adapted to receive and hold a spark plug thrust and turned therein.

1,521,042. CLUTCH. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 24, 1919. Serial No. 306,404. 26 Claims. (Cl. 192-114.)

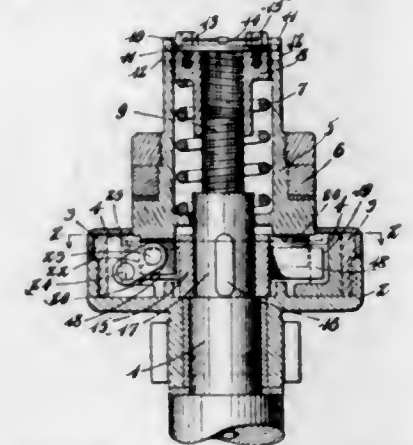
1. In combination, a member, a member movable longitudinally thereon, and spring mechanism therebetween

including tensioning means carried by the former and interlocked with and against rotation with respect to



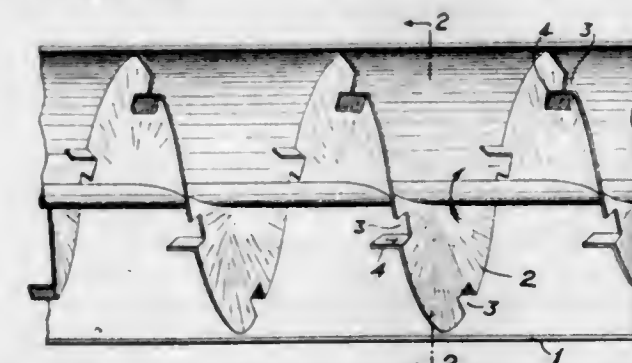
the latter in a plurality of positions thereof, said interlocking connection preventing variation of said tensioning means.

1,521,043. CLUTCH MECHANISM. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 16, 1919. Serial No. 311,322. 9 Claims. (Cl. 192-76.)



1. In a friction clutch mechanism, driving means having a plurality of movable friction members, driven means having a friction surface, a driving shaft, a spider fixed thereto and having a plurality of radially extending driving arms relative to which said movable friction members are movable radially, an operating member reciprocable on said shaft and having engagement with and movement relative to said arms, and cooperating radially disposed toggle forming means having one end pivoted directly to both adjacent ends of adjacent movable friction members with limited play therebetween and the other end pivoted directly to said operating member.

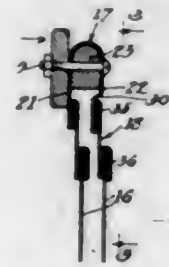
1,521,044. MIXING MACHINE. ALEXIS D. PARKER, Villa Nova, Pa., assignor to American Briquet Company, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 10, 1919. Serial No. 336,921. 3 Claims. (Cl. 259-136.)



1. In a machine for mixing coal briquettes materials and the like consisting of a trough and a screw conveyor the combination with angularly spaced notches

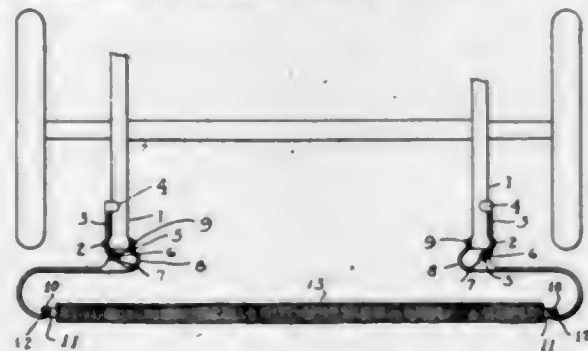
provided in the margin of the flights of the conveyer, of blades extending from a side wall of the notches forward in the direction of feed of the conveyer.

1,521,045. CARRIER FOR AUTOMOBILE CURTAINS AND THE LIKE. KARL H. POYAS, Los Angeles, Calif. Filed Apr. 29, 1922. Serial No. 557,284. 4 Claims. (Cl. 296—47.)



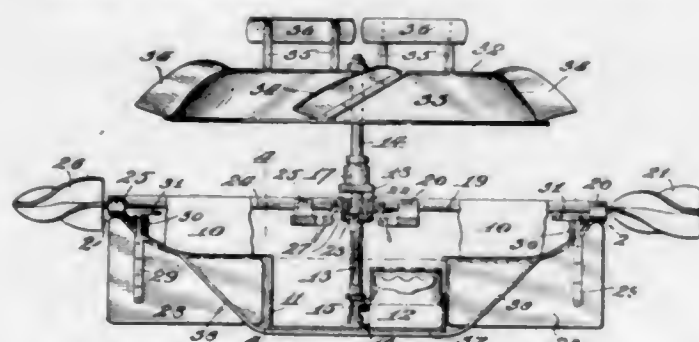
1. A curtain carrying device including, a stationary U-shaped carrier having the outer end portion of one of its side parts turned inwardly to form an upwardly opening channel and having the outer end portion of its other side part turned outwardly to form an upwardly opening channel, a filler in the inner portion of the carrier, and hangers attached to the curtains and having their upper edge portions turned so that they are slidably carried in the channels, the filler acting to prevent displacement of the turned parts of the hangers from the channel of the first mentioned side part.

1,521,046. BUMPER FOR VEHICLES. GEORGE REISINGER, Rochester, N. Y. Filed Mar. 27, 1924. Serial No. 702,399. 4 Claims. (Cl. 293—55.)



1. A bumper comprising a longitudinally expansible impact member, and pivotally mounted supporting arms connected to opposite ends of the impact member, said supporting arms having portions lying outwardly beyond the pivots of the arms so that said outwardly extending portions may move rearwardly and expand the impact member when impinging an object.

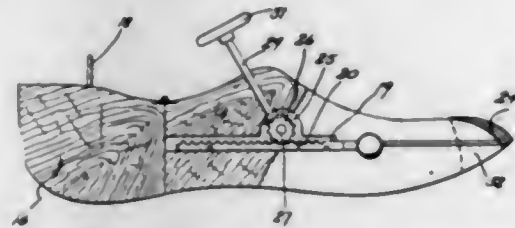
1,521,047. FLYING MACHINE. JOHN H. REYNOLDS, Los Angeles, Calif. Filed May 22, 1924. Serial No. 715,084. 4 Claims. (Cl. 244—19.)



1. In a flying machine, a body, longitudinally disposed shafts journaled on said body and projecting beyond the ends thereof, screw propellers on the projecting ends of said shafts, a vertically disposed shaft journaled in the

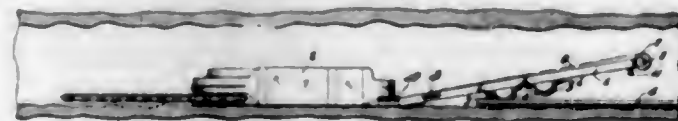
center of said body, an inverted saucer-shaped member carried by the upper end of said shaft and inclined vanes arranged on the upper portion of said inverted saucer-shaped member.

1,521,048. SHOE-TREE. JOSEPH RIGANTE, Mineola, N. Y. Filed Mar. 5, 1924. Serial No. 696,941. 2 Claims. (Cl. 12—128.3.)



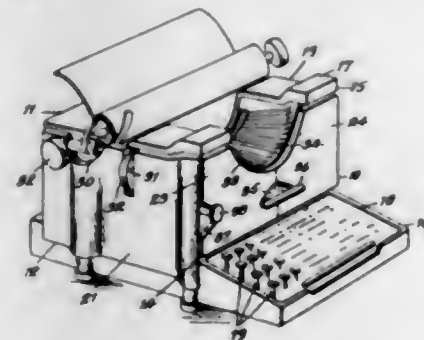
1. A shoe tree comprising a pair of body members arranged mutually adjacent, the mutually adjacent surfaces having a tapering channel therebetween, the channel being widest at a position intermediate its length, a rack bar, a toe shell, a rod integral with the rack bar and rigidly connected to the toe shell, said rack bar when moved forward being adapted to extend the toe shell, a ball on said rack bar normally located at the widest portion of the channel, said rack bar when extended being adapted to spread the body members apart by engaging the tapering sides of the channel, a shaft, a gear on said shaft engaging the rack bar, a bevelled pinion adjacent said gear, an additional shaft extending angularly, the pinion gear at its lower end engaging the pinion gear of the first-named shaft, and a hand wheel at the upper end of said last-named shaft to rotate the latter.

1,521,049. TRUCK. GILBERT RIMMER, Wigan, England, assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 13, 1919. Serial No. 344,732. 14 Claims. (Cl. 105—161.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



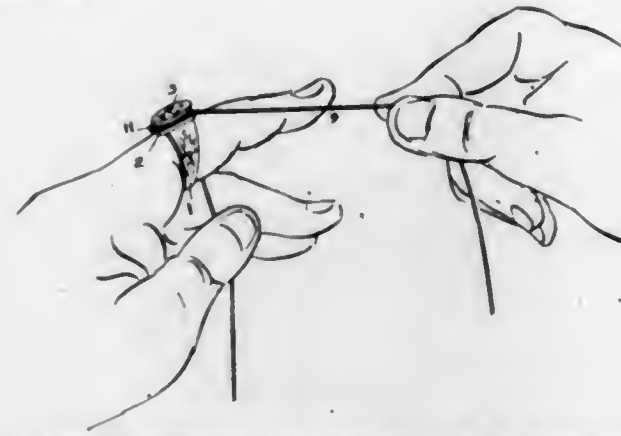
1. In a truck, a truck frame adapted to receive a mining machine, and track engaging supporting transport skids beneath said frame.

1,521,050. SILENCER FOR TYPEWRITING MACHINES. MARIE F. ROBERTSON, New York, N. Y. Filed Dec. 15, 1923. Serial No. 680,881. 5 Claims. (Cl. 197—186.)



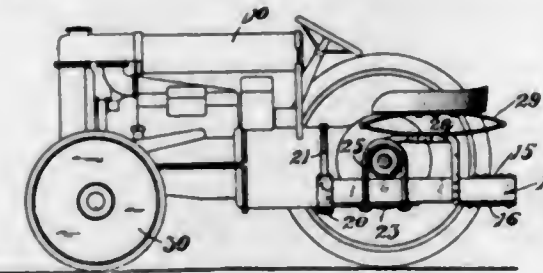
1. A silencer for typewriting machines, having a flat flexible body of sound muffling material including flexibly jointed rear wall and side wall sections for being removably disposed to cover the rear wall and side walls of the frame of the machine exclusive of the parts of the frame supporting the finger keys and each of said sections having cut-outs for accommodating parts of the machine protruding beyond the exterior of the frame.

1,521,051. COMBINED FINGER RING AND CORD CUTTER. YAICHIRO SHIMA, San Jose, Calif. Filed Feb. 24, 1923. Serial No. 620,959. 2 Claims. (Cl. 30—14.)



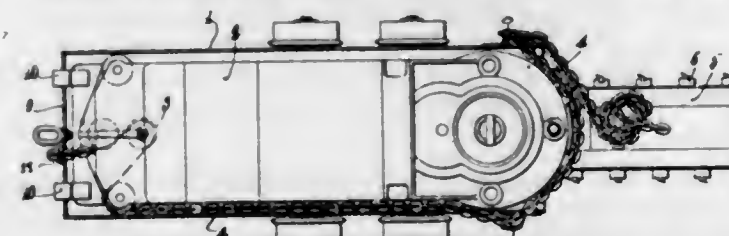
1. A ring comprising a body portion, a setting hinged adjacent one end to the body portion, a knife located between the setting and body portion and arranged to be accessible when one end of the setting is raised, a spring at all times tending to raise said end of the setting and means for moving and holding the setting in position flat against the ring body portion and preventing access to the cutter, said setting substantially concealing the knife and its associated elements.

1,521,052. DRAWBAR ATTACHMENT FOR TRACTORS. FRANKLYN J. SILVA, Oakland, Calif., assignor to Moses M. Kahn, San Francisco, Calif. Filed Nov. 14, 1922. Serial No. 600,800. 2 Claims. (Cl. 280—33.44.)



1. In combination with a tractor of a draw bar attachment therefor comprising a frame adapted to be suspended beneath the axle and transmission housings of the tractor, said frame comprising a pair of side members, plates connecting one end of the side members and located at the top and bottom thereof for receiving a drawbar, a transverse bar rigidly connecting the other ends of the side members and located at the bottom thereof whereby it will extend beneath the transmission housing of the tractor, and a strap member connected at its ends to said transverse bar and impressing the transmission housing to firmly connect the frame thereto, and U-bolts for connecting said side members to the axle housing whereby weight imposed by a drawbar on the frame will be transmitted to the axle and transmission housings of the tractor.

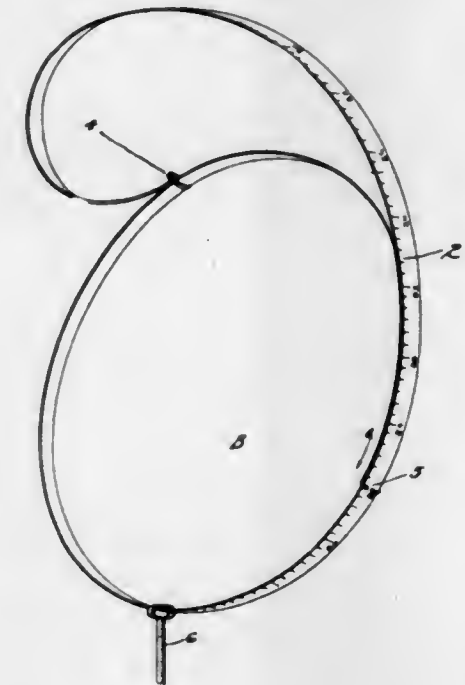
1,521,053. MINING MACHINE. LEON E. SIMMONS, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 21, 1922. Serial No. 576,473. 10 Claims. (Cl. 263—30.)



1. In a mining apparatus, a mining machine truck, a mining machine thereon including a flexible feeding member, abutment means on said truck adapted to

cooperate with said member during machine movement, and supplemental means for retaining said machine in position on said truck utilizing a length of said flexible feeding member as a retaining element and including a plurality of abutment means engaged thereby, with said member during machine movement.

1,521,054. TAILOR'S MEASURING DEVICE. ANTHONY SNIEGOCKI, Oakland, Calif. Filed May 1, 1922. Serial No. 557,588. 2 Claims. (Cl. 33—2.)



1. A tailor's measuring device comprising a flexible resilient tape having a measuring indicia thereon, said tape being bent to form an arm encircling loop and having its ends overlapping, a yoke fixed on the tape, a hinged connection between the yoke and the outer overlapping end of the tape, and a sliding connection formed between the tape and the inner overlapping end, said connections co-operating to permit a quick and easy adjustment of the tape.

1,521,055. COATED AEROPLANE CLOTH AND PROCESS OF MAKING SAME. THEODORE FRANÇOIS TESSE, Paris, France, assignor to Societe Nauton Freres & De Marsac, St. Ouen, France, and Théodore François Tesse, Paris, France. Filed Oct. 4, 1916. Serial No. 123,640. Renewed Dec. 6, 1920. Serial No. 428,815. 17 Claims. (Cl. 91—68.)

1. A process of coating fabrics, which comprises applying thereto in succession, three coatings, as follows:—first, a solution in a volatile solvent containing a cellulose ester as a base; second, a coating composition comprising a cellulose ester, liquids of high boiling point capable of imparting plasticity, elasticity and suppleness, and capable of preventing the precipitation of the cellulose ester, such components being dissolved in a volatile solvent, and a fine metallic powder; and third, a solution in a volatile solvent containing a cellulose ester as a base; allowing each of the first two coatings to dry before applying the next coating, whereby the second flexible coating is imprisoned between two layers of more rigid cellulose ester.

3. A process which comprises coating a fabric with a succession of coating layers, an intermediate one of said coating layers comprising a cellulose ester and a plurality of normally non-volatile liquids capable of imparting plasticity, elasticity and suppleness, and capable of preventing the precipitation of the cellulose ester, and another liquid capable of imparting softness and flexibility, and finely powdered aluminum, such intermediate layer being carried between two closely adherent layers

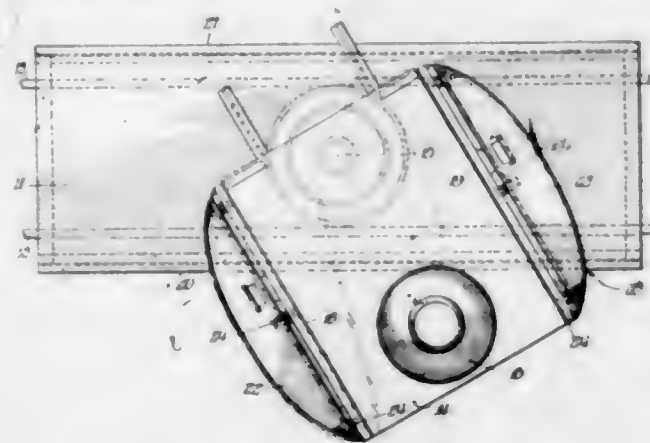
of less flexibility and of greater rigidity, whereby a structure is provided having a desired degree of rigidity and flexibility.

9. A fabric forming the covering of a wing of an aeroplane, said fabric being provided with a composite coating comprising a succession of at least three layers of compositions each having a fatty acid ester of cellulose as a base, an intermediate one of which layers has a greater elasticity and flexibility than the outer layers, and which contains a solid inert material.

1,521,056. COMPOSITION FOR COATING. THEODORE FRANÇOIS TESSE, Paris, France. Filed Jan. 30, 1918. Serial No. 214,521. Renewed Dec. 11, 1920. Serial No. 430,945. 19 Claims. (Cl. 134-79.)

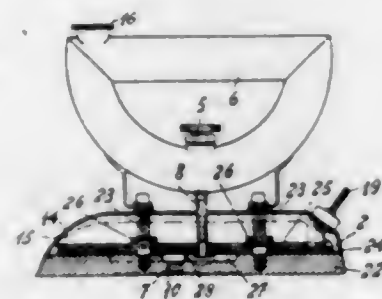
13. A composition for treating aeroplane and similar fabrics comprising a relatively non-inflammable cellulose ester, a tension regulating ingredient in such proportion to said cellulose ester as to reduce the tautening effect of the cellulose ester upon the fabric, and a volatile solvent for said ingredients.

1,521,057. SAFETY-APRON CONSTRUCTION FOR ROLLING PLATFORMS. CHARLES TREZONA, Ely, Minn. Filed June 4, 1924. Serial No. 717,717. 8 Claims. (Cl. 212-69.)



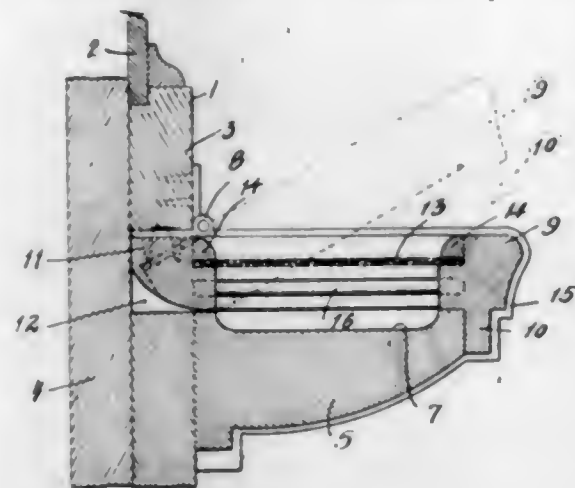
1. A relatively fixed platform, a movable platform adapted to rotate about a point in the fixed platform, and aprons carried by the slides of the movable platform, the outer edge of such aprons being of such contour that the angles formed between the edges of the aprons and the edges of the fixed platform are equal to or greater than a right angle.

1,521,058. PRESSING IRON. OTTO WALKER, Zurich, Switzerland, assignor to Jean H&R, Dozwil, Switzerland. Filed Aug. 4, 1922. Serial No. 579,691. 1 Claim. (Cl. 68-26.)



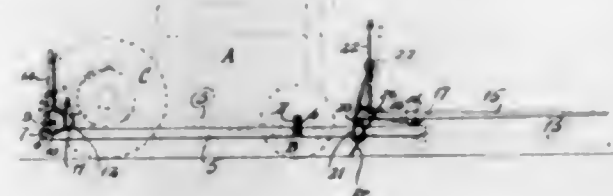
The combination of a flat iron, a cover thereon, an electrical heating element on the flat iron, a backing element on said heating element, a water reservoir forming a handle and having a valved duct arranged to discharge on the iron, the latter being provided with ducts leading to its face, and bolts detachably securing said iron heating element, backing element, cover and reservoir handle together.

1,521,059. CHALK RAIL FOR BLACKBOARDS. WILLIAM H. WEEKS, Oakland, Calif. Filed Mar. 15, 1923. Serial No. 625,337. 7 Claims. (Cl. 35-15.)



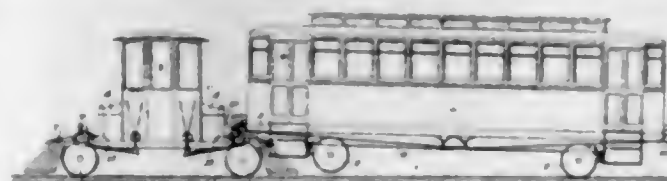
1. A chalk rail for a blackboard having a frame around the same comprising a well disposed longitudinally along the lower member of the blackboard frame and projecting outwardly thereof, a second frame hinged to the front of said blackboard frame having a rear rail disappearing in a recess in said member adapted to swing to and from a position over said well and a screen within the area defined by said frame substantially as and for the purpose described.

1,521,060. PUSH-RAKE ATTACHMENT FOR TRACTORS. JOEL WEGEL, Pittsburg, Calif. Filed Aug. 14, 1922. Serial No. 381,700. 3 Claims. (Cl. 56-27.)



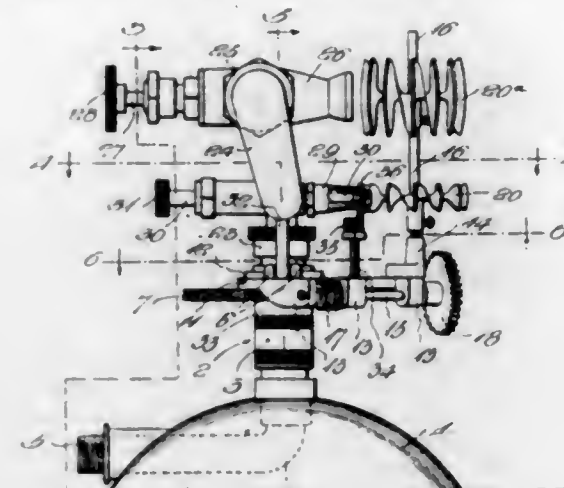
3. In combination with a tractor, a frame underlying the tractor and terminating at one end in front of the tractor and at its opposite end at the rear thereof, strips on the frame having connection with the front axle of the tractor to permit the ends of the frame to be respectively raised and lowered, a rake head carried by the front end of the frame, a shaft carried by the frame at the rear end thereof, a toothed segment on the shaft, a segment on the rear end of the tractor meshing with said first segment, a lever for rocking the shaft, and means to lock the shaft in its position of adjustment.

1,521,061. DUPLEX TRACTOR. SIDNEY B. WINS, Lapeer, Mich. Filed Nov. 21, 1922. Serial No. 602,930. 10 Claims. (Cl. 105-75.)



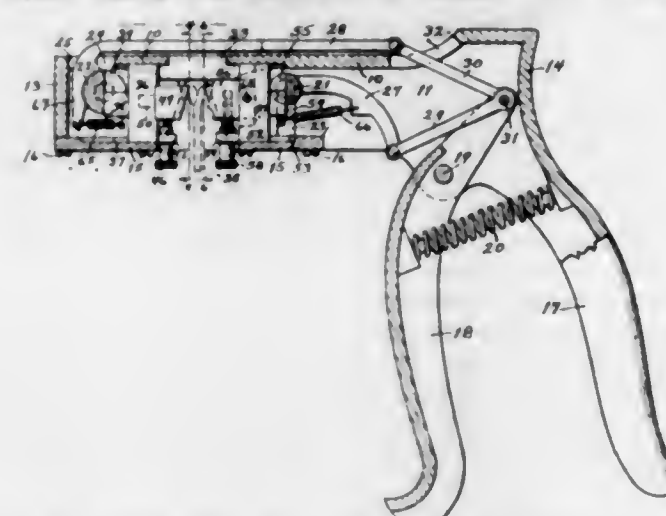
1. In a train formation, a car, a locomotive, means at each end of said locomotive to facilitate placing either end of said locomotive under an end of the car to elevate an end of the car and support it, and means on each end of said locomotive to effect coupling and uncoupling of the locomotive and car.

1,521,062. LAWN SPRINKLER. GEORGE ZINT, Wapakoneta, Ohio. Filed Sept. 11, 1922. Serial No. 587,481. 3 Claims. (Cl. 299-65.)



1. A sprinkler comprising an upright hollow post having a water inlet and provided with a rotatable section at its upper end carrying a nozzle, a non-rotatable worm wheel carried horizontally by said post, a horizontal carrier rotatable around said post over said worm wheel and having a driving connection with said rotatable post section, a hanger for the outer end portion of said carrier preventing dragging thereof on said worm wheel, said carrier having horizontal and vertical bearings carrying horizontal and vertical shafts, worm gearing for driving the horizontal shaft from the vertical shaft, a worm on said horizontal shaft meshing with said worm wheel, and a water wheel on said vertical shaft disposed in the path of the water sprayed from said nozzle.

1,521,063. DOUBLE SAW SET. ANDREW BERT ANDERSON, Des Moines, Iowa, assignor of one-half to Jefferson Sandusky, Des Moines, Iowa. Filed Dec. 20, 1923. Serial No. 681,752. 6 Claims. (Cl. 76-64.)

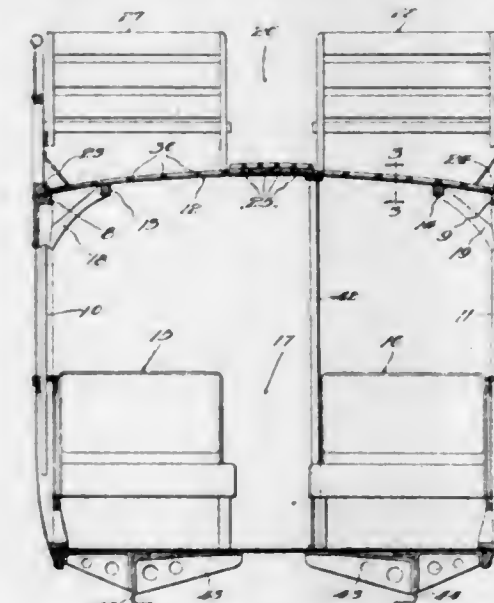


1. A double saw set, comprising a frame, a rigid handle on one end thereof, a lever pivoted between its ends on said frame and adapted to cooperate with said handle, a spring acting to press said lever away from said handle, rollers journaled in said frame and formed with cam notches on their opposed faces, arms on said rollers extending toward one end of said lever, toggles flexibly connecting free ends of said arms to the free end of said lever, and saw-treating devices slidably mounted in said frame and movable by action of said cam rollers, said saw-treating devices operating in pairs in opposite directions.

1,521,064. MOTOR VEHICLE. CHARLES O. BALL, Chicago, Ill., assignor to Yellow Coach Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1924. Serial No. 707,872. 5 Claims. (Cl. 296-28.)

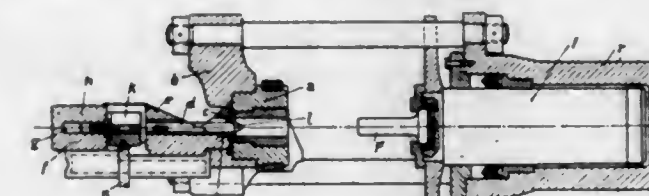
1. In a double deck bus, the combination with the side walls having vertical posts between the windows and

longitudinally extending beams connecting the upper ends of said posts, of a row of brackets at each side of the vehicle reaching inwardly and upwardly from the upper portions of the posts at that side to a position slightly above the position of the beam at the upper ends of such posts, a longitudinally extending beam supported by the brackets at each side of the vehicle, and a roof member arching over and completely enclosing the body of the vehicle between the first mentioned beams, said roof member comprising a multiple ply veneer board of substantially uniformly arching form having its edge



portions resting upon and supported by the bracket beams and its extreme edges in engagement with the first mentioned beams, other longitudinally extending beams engaging the top face of the edge portions of the veneer board, transversely extending inverted channel beams on the top face of the roof having their ends above the positions of selected side wall posts, said transverse beams reinforcing the central portion of the structure, and a longitudinally extending planking on the central portion of the top of the roof reaching between the cross beams aforesaid.

1,521,065. APPARATUS FOR MANUFACTURING METAL SHEETS AND STRIPS. FRIEDRICH BARME, Elberfeld, and FRITZ MAHNERT, Nierenhof, near Langenberg, Germany. Filed Dec. 22, 1923. Serial No. 682,264. 3 Claims. (Cl. 207-3.)

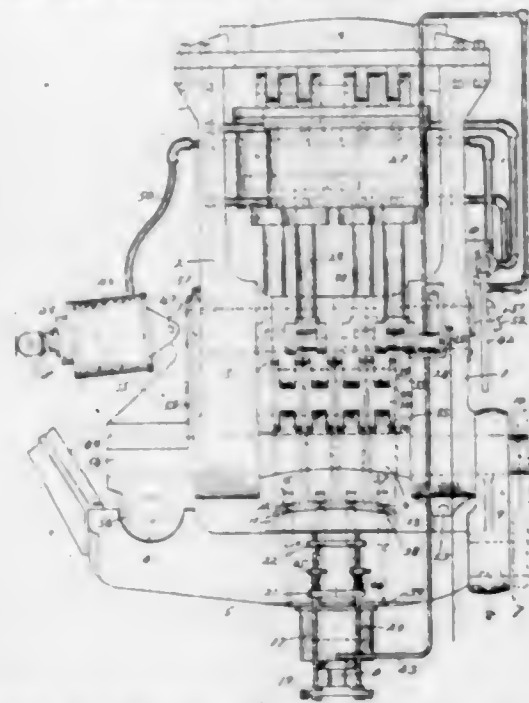


1. Apparatus for carrying out the process, comprising a block container, a ring shaped press matrix secured thereon, an inner press member supported outside the block container which forms with the matrix the annular slot, a separating member to split the tubular strip for separating the block in alignment with the direction of the press action to form a tube and a member which flattens the tubular strip.

1,521,066. RIVETING MACHINE. JOSEPH E. BATH, Detroit, Mich., assignor to Kelsey Wheel Company, Inc., Detroit, Mich., a Corporation of New York. Filed June 20, 1921. Serial No. 478,868. 14 Claims. (Cl. 78-51.)

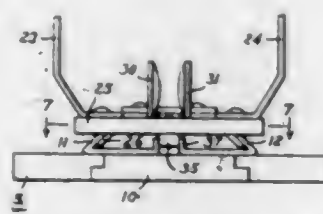
1. In a machine for riveting one member to another, the combination with a movable plunger, of a horn, a pad movably mounted upon said horn to clamp the members against said plunger, a rivet snap mounted upon said horn and freely engaging in said pad and adapted

to extend beyond the outer face thereof when said pad is in one position of adjustment, means for moving said pad from said position of adjustment toward said plunger



to clamp the members therebetween, and means for moving said plunger toward said rivet snap and for moving said pad therewith, to rivet the members to each other.

1,521,067. CAMERA. GRACE L. BEAN, Washington, D. C. Filed Feb. 28, 1922. Serial No. 539,962. 15 Claims. (Cl. 95-45.)



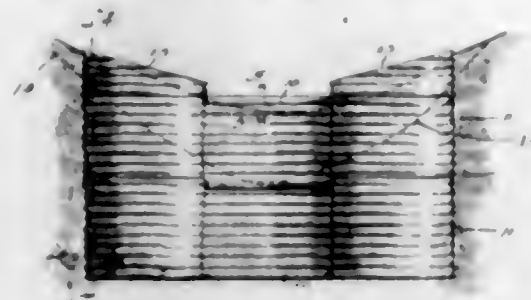
1. A pedestal comprising a base, a pair of clamping jaws depending therefrom, at angles of about 45 degrees with the plane of the base, and manually operable means for simultaneously expanding or contracting both of the jaws rectilinearly in opposite directions relative to the base.

1,521,068. CORSET. AMBER MAY BENJAMIN, Los Angeles, Calif. Filed Oct. 21, 1921. Serial No. 509,240. 6 Claims. (Cl. 2-28.)



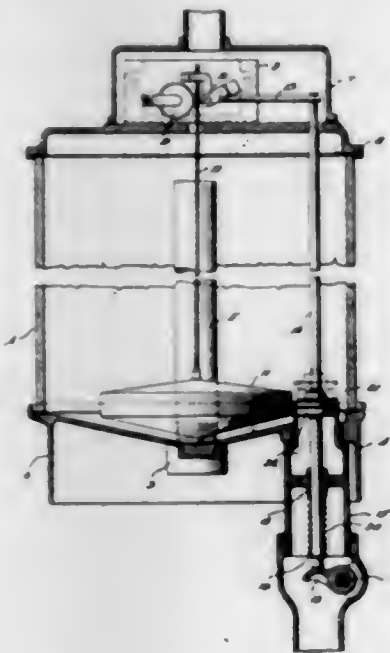
1. A corset having a form-fitting, one piece closed back and extending from the shoulder to below the coccyx and provided with stays conformed to and supporting the sacro-iliac region.

1,521,069. BAFFLE WALL FOR DRAINAGE DITCHES. EMIL BERN, Des Moines, Iowa. Filed Nov. 2, 1923. Serial No. 672,317. 3 Claims. (Cl. 61-5.)



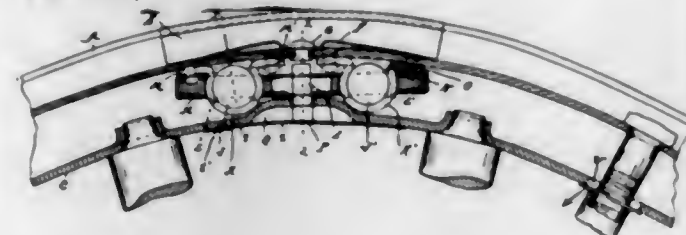
2. A baffle wall of the class described, comprising a central channel-shaped member, and channel shaped oppositely opening end members, said end members having wings inclined away therefrom substantially inclined parallel with the stream line of the ditch in which the wall is installed.

1,521,070. LIQUID FUEL-DISPENSING APPARATUS. MARION LE ROY BILLINGS, Adrian, Mich. Filed Nov. 29, 1922. Serial No. 603,929. 2 Claims. (Cl. 235-91.)



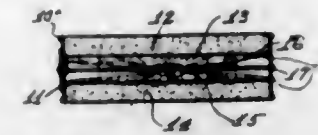
1. In a liquid dispensing device having a reservoir and an outlet valve, a registering device, a float in said reservoir, means effecting geared engagement between said float and said metering device during flow of fuel from said reservoir, an outlet valve in said reservoir and valve unseating mechanism independent of and actuating said means prior to the unseating of said valve.

1,521,071. DEMOUNTABLE RIM FOR VEHICLE WHEELS. WILLIAM N. BOOTH, Detroit, Mich. Filed Sept. 10, 1920. Serial No. 409,294. 14 Claims. (Cl. 301-15.)



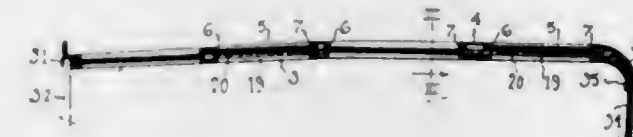
1. The combination with a transversely split rim, of means for circumferentially expanding or contracting said rim, comprising a threaded tie member connected to said rim near one of its ends, a nut of cylindrical form having its axis transverse to said tie member, and a strap for engaging said nut secured to said rim near the other of its ends.

1,521,072. VANITY BOX. CHARLES A. BUEK, Chicago, Ill. Filed Feb. 5, 1923. Serial No. 616,980. 1 Claim. (Cl. 132-83.)



A vanity box comprising opposed and hinged cover sections of the same diameter, slightly separated one from another, a compact of powder and a powder puff disposed in one of said cover sections, a compact of rouge and a rouge puff disposed in the other of said sections, a split ring member intermediate and frictionally engaging the internal walls of said cover sections when the vanity box is closed, said ring member having an enlarged central portion engaging the edges of said cover members to arrest inward movement thereof, and a two-faced mirror disposed in said ring member at its enlarged portion, said mirror and the enlarged portion of said ring member having corresponding cut out portions adjacent the hinge intermediate said cover sections whereby to arrest rotation of said ring and mirror, said ring member being adapted to be lifted out of said box with said mirror when desired but otherwise to remain firmly seated and held against rotative displacement in either of said cover sections as the other cover section is lifted.

1,521,073. AUTOMOBILE TOP. AMOS G. CANBY, Detroit, Mich. Filed Apr. 23, 1917. Serial No. 163,855. 5 Claims. (Cl. 296-45.)



5. A removable top for automobiles comprising a plate assembly adapted to be removably secured to the automobile body, said assembly including independent sheet metal members removably secured to and movable with the body doors and adapted to form the lower wall of an opening formed in the plate assembly above each door of the automobile when the door is closed, said members each being of a length equal to the width of the door by which it is carried and having a substantially uniform vertical dimension throughout the length of the member, the several members forming guides for sash structures slidable to and from positions to close the openings above the members, said members being free from direct connection with the frame assembly and each having a sash-receiving and guiding groove of equal width from end to end with the groove positioned in correspondence with the plane of sliding movement of the sash structure with which it co-operates, each sash structure having dimensions such as to produce a distance between its advance and rear edges greater than the length of the door-carried member with which it co-operates, such advance and rear edges of the sash structure being bounded by the plate assembly walls of the opening when the sash structure is in position to close such opening.

1,521,074. MUFFLER FOR INTERNAL-COMBUSTION ENGINES. SIDNEY LEE CARR, Bay City, Tex. Filed Jan. 7, 1922. Serial No. 527,652. 1 Claim. (Cl. 137-160.)

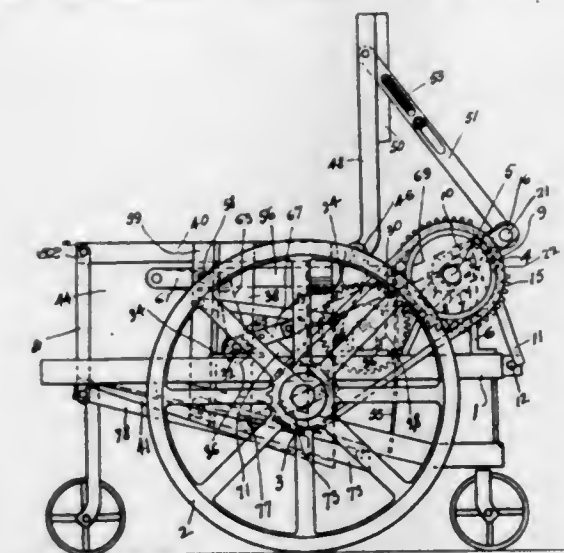
A muffler for internal combustion engine consisting in a pipe, one end being adapted to be connected to the exhaust manifold of an internal combustion engine and its other end closed, and said pipe having a perforated por-

tion extending longitudinally thereof from its rear end to a point considerably forward thereto, and said perforations being distributed over the lower half of the pipe



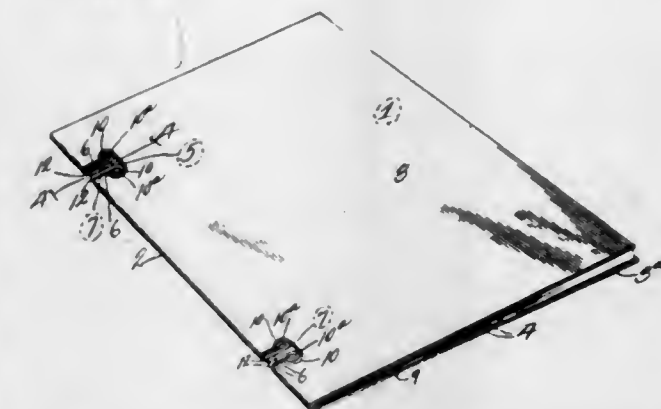
and gradually increasing in number, the perforated area of the pipe being progressively increased in width from the forward end toward the rear end of the pipe.

1,521,075. STOOKER. NORMAN HOWARD CAUFIELD, Victoria, British Columbia, Canada. Filed Aug. 3, 1921. Serial No. 489,451. 7 Claims. (Cl. 56-423.)



2. In a stooker, the combination of a normally horizontal sheaf receiving basket including a pair of side plates, stub shafts oscillatably mounting said plates to permit the same to swing from horizontal to approximately vertical position, displaceable bottom and end plates connected to the side plates, bell cranks rigidly carried by said stub shafts, means connected to the bell cranks for effecting movement of the side plates to approximately vertical position and means connecting the bottom and end plates to the bell cranks and controlling displacement of said plates.

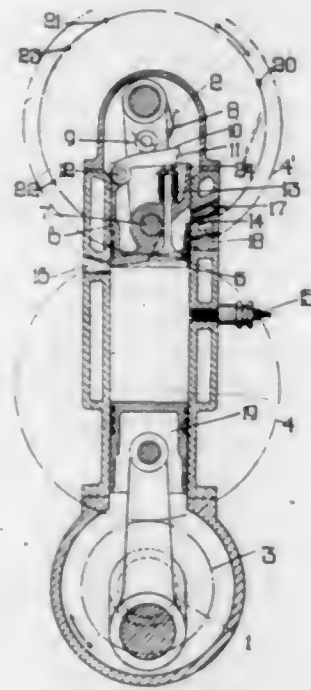
1,521,076. LOOSE-LEAF COVER. CHARLES M. CLARK, Havre de Grace, Md., assignor to Lock Clip and Folder Company, Incorporated, a Corporation of Maryland. Filed Feb. 11, 1924. Serial No. 692,081. 2 Claims. (Cl. 129-35.)



1. The combination with a folded loose leaf cover provided with apertures in the front fold, of relatively thin clips carried by the back of said cover, a jaw of each of said clips engaging the outer side of the back of the cover, a jaw of said clips extending through said aper-

tures in the front of said cover, said last-named jaws being provided with enlargements disposed in enlarged portions of the apertures and preventing rearward movement of the clips.

1,521,077. INTERNAL-COMBUSTION ENGINE. WILLIAM HENRY CLEGG, West Kirby, England. Filed June 11, 1923. Serial No. 644,696. 3 Claims. (Cl. 123-78.)



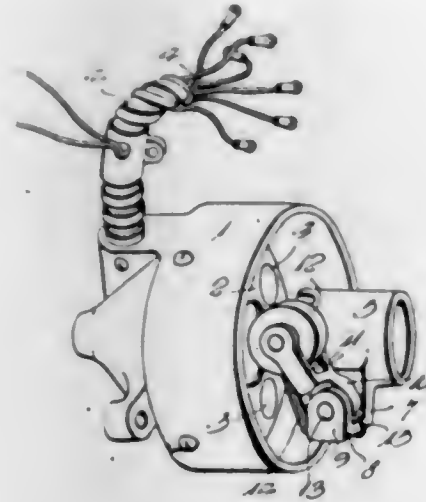
1. An internal combustion engine comprising a cylinder having ports at its upper end, a working piston, a movable piston head in said upper end, a valve controlling a passage in the said piston head, means to reciprocate said piston head to control a port in the cylinder by a peripheral edge on it and means to automatically operate the valve in said piston head to control the passage way leading to a second port on the cylinder wall uncovered by said piston head.

1,521,078. METHOD OF CURING TREES OF GUM DISEASES. GIOVANNI CORIGLIANO, Monrovia, Calif. Filed Jan. 23, 1923. Serial No. 614,349. 1 Claim. (Cl. 47-58.)



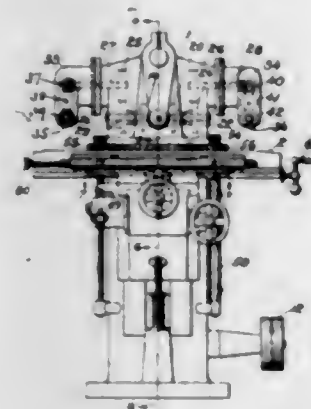
In a method of curing trees infected by gum diseases, the combination of operations consisting in first cutting away the outer bark infected by the disease, exposing the under bark for a period of time to permit detection of any infection thereof, cutting away such under bark infected regions and covering the cut away portions of the trees with an under bark protecting substance.

1,521,079. DISTRIBUTOR. FRED DERCK, Kokomo, Ind. Filed Dec. 22, 1921. Serial No. 524,238. 2 Claims. (Cl. 200-24.)



1. In a distributor, a head for fitting upon a distributor shaft, a bearing element extending from said head, parallel but out of alignment with the diameter of the head, a carrier in the form of a fork pivotally connected with the bearing element, a roller mounted in said fork and a spring extending longitudinally of the fork and having one end connected with the bearing element and its other end connected with the free end of the fork.

1,521,080. MULTIPLE MILLING MACHINE. PAUL WILHELM DIETMANN, Kalmar, Sweden. Filed Mar. 15, 1921. Serial No. 452,435. 2 Claims. (Cl. 90-21.)

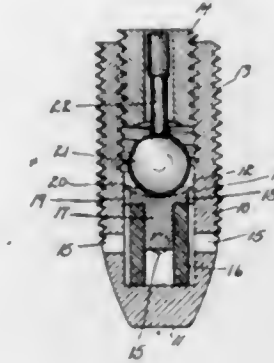


1. In a milling machine, the combination with a machine frame, of a work supporting table movable in three directions at right angles to each other, said table comprising parts movable with respect to said frame and to each other, a rigid stop member and a rotatable drum for each of said directions, each drum having its axis extending in the respective direction and carrying a plurality of axially extending series of axially adjustable stop members to cooperate with said rigid stop member, the rigid stop member and the drum corresponding to each direction being each carried by a separate one of said parts which are movable relatively to each other in the respective direction.

1,521,081. VALVE FOR INFLATABLE ARTICLES. JOSEPH P. DOOLING, New Haven, Conn. Filed Jan. 10, 1924. Serial No. 685,313. 3 Claims. (Cl. 152-12.)

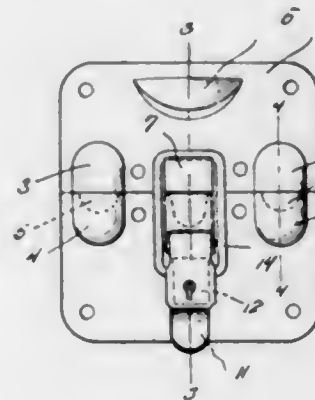
1. A valve for inflatable rubber articles, comprising a casing having a longitudinal chamber closed at its inner end, a port in one side of chamber near the inner

end thereof, an expansible port-closure seated in the inner end of said chamber, a plunger bearing on said



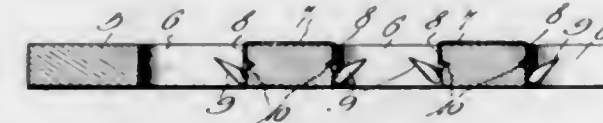
port-closure, and a screw-plug mounted in the outer end of said chamber and adapted to force the port-closure inward, whereby it is expanded and the port closed.

1,521,082. TRUNK AND SUITCASE FASTENER. CHARLES E. DUGGAN, Los Angeles, Calif. Filed July 2, 1924. Serial No. 723,764. 3 Claims. (Cl. 70-115.)



1. A fastener of the class described comprising an attaching plate, a lever pivotally mounted on the plate, said lever being substantially channel shaped in cross section, a lock containing casing positioned between the side flanges of said lever, and a ball pivotally connected to the intermediate portion of the lever and constituting the sole means for retaining said locked casing in position.

1,521,083. TOBACCO LATH. LOUIS C. EDWARDS, Ellington, Conn. Filed Mar. 6, 1922. Serial No. 541,380. 9 Claims. (Cl. 131-21.)

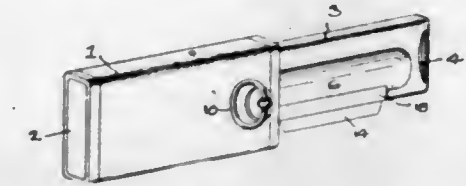


1. A tobacco lath comprising a strip having openings formed therein in spaced relation, and prongs extending from opposite sides of the openings and disposed at an upward incline and terminating short of the upper plane of the lath.

1,521,084. POCKETKNIFE. MAXIM K. ELIASHEVICH, San Francisco, Calif. Filed June 6, 1922. Serial No. 643,637. 4 Claims. (Cl. 30-10.)

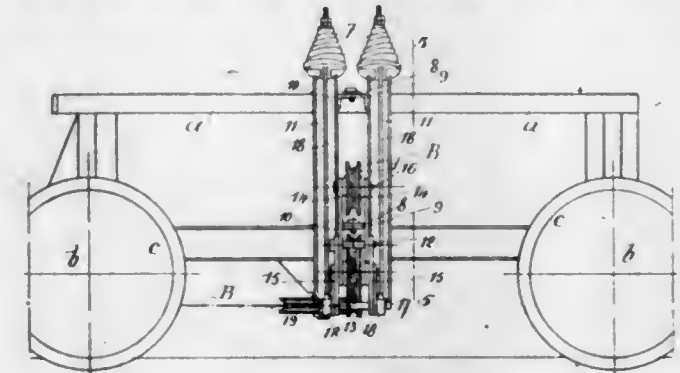
1. A knife comprising a sheath; a frame telescopically confined within said sheath; a razor blade detachably en-

gaging said frame; means to position said blade on said frame; and a manually operable cam on said sheath



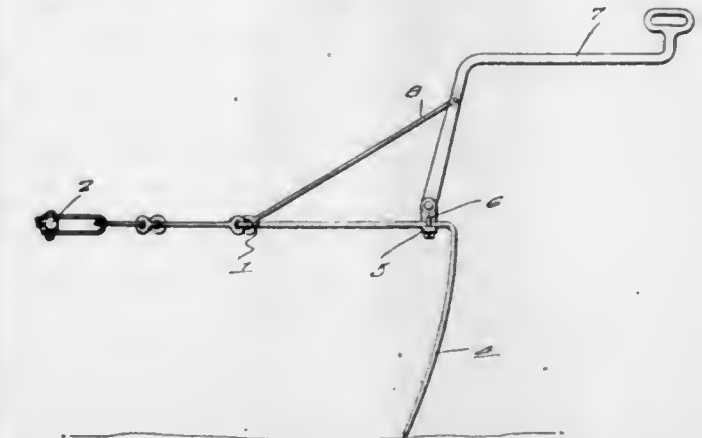
to frictionally engage said frame in the concealed and extended positions.

1,521,085. ANCHOR CARRIAGE AND LIKE VEHICLE. JOACHIM ESTRADA, Carcassonne, France. Filed Jan. 4, 1919. Serial No. 269,720. 4 Claims. (Cl. 254-147.)



1. An anchor carriage for use in cable traction systems for cultivating land by mechanical power, comprising a vehicle body with supporting axles and wheels, cable traction means associated with said anchor carriage, and means whereby the height of the point where the traction stress of the cable is applied to the vehicle can be varied in accordance with the magnitude of the traction stress in said cable.

1,521,086. MANURE HOOK. REINHARD FEGEBANK, Granville, Iowa. Filed Apr. 7, 1924. Serial No. 704,784. 1 Claim. (Cl. 37-120.)

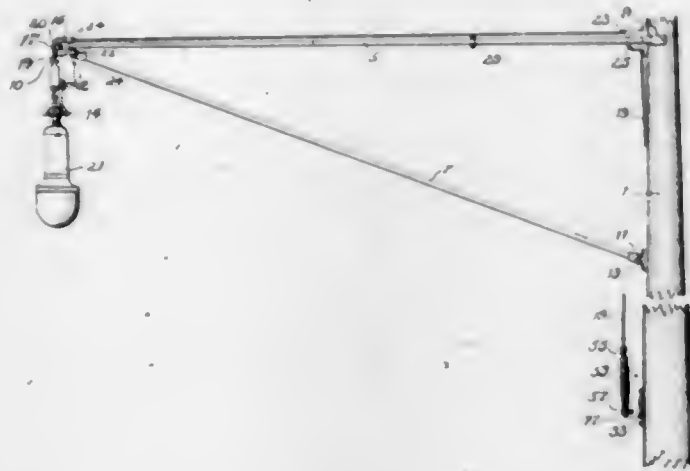


A manure hook comprising a forward cross bar, tines pivotally connected at their forward ends with said cross bar and arranged in spaced parallel relation thereon and having downwardly disposed rear end portions, a second cross bar connected with the rear portions of the said tines in advance of the downwardly disposed rear end portion thereof, a lever fulcrumed upon the second mentioned cross bar and a rod pivotally connected at one end with the intermediate portion of the lever and pivotally connected at its opposite end with the intermediate portion of the first mentioned cross bar.

1,521,087. LIGHT-SUPPORT. WILLIAM FOSTER, Philadelphia, Pa., assignor to Philip H. Chase, Bala, Pa. Filed Jan. 2, 1923. Serial No. 610,159. 11 Claims. (Cl. 240-63.)

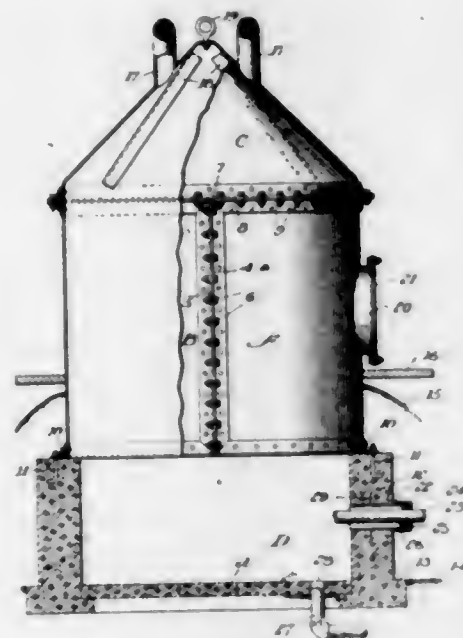
1. A mast arm comprising three members of equal length, two of said members being approximately par-

allel and having their inner ends secured to a pole, the third member extending at an angle to the first members, means for securing the third member to the pole at a point forwardly of the securing point of said first members, a bracket, means extending therethrough



and securing the outer ends of the first members to the bracket, and means on said bracket for securing the outer end of the third member thereto at a point rearwardly of the securing point of the first members to said bracket.

1,521,088. HOUSING FOR OIL OR OTHER WELLS. JOHN R. GIGNOUX, Long Beach, Calif. Filed Nov. 9, 1922. Serial No. 599,954. 9 Claims. (Cl. 166-1.)

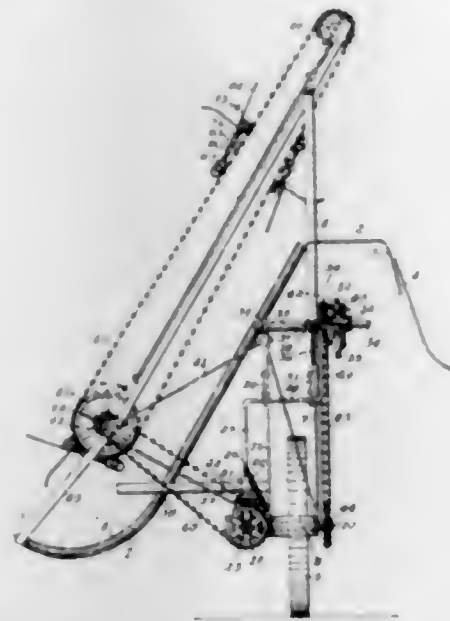


1. A housing for wells adapted to be placed over the mouth of the well within the derrick to protect the well equipment; said housing being provided with a gas and steam vent.

1,521,089. SHEAF-DELIVERING CONVEYER FOR SHOCKING MACHINES. FRANK RUSSELL GLASNER, Cedar Falls, Iowa. Filed Aug. 2, 1923. Serial No. 655,296. 8 Claims. (Cl. 198-13.)

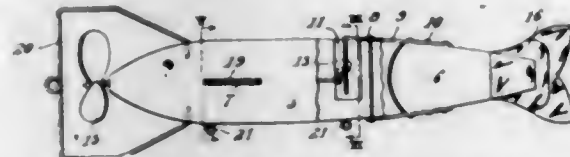
1. In combination, an endless conveyer including rockingly adjustable cross-elements thereon and having outwardly projecting arms, other arms rockingly mounted on said conveyer and positioned normally to cross the

plane of the first-mentioned arms, resilient means for yieldingly retaining the second-mentioned arms in said position, and means for releasably tripping the latter



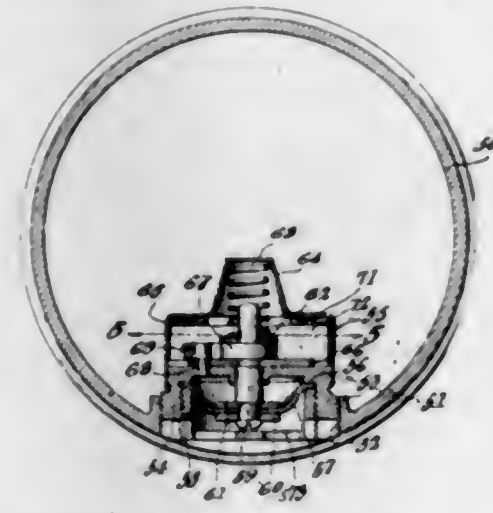
arms on arriving at a certain location to shift them relatively to the first-mentioned arms in engaging and ejecting a load carried by said arms.

1,521,090. ARTIFICIAL BAIT. BERT G. GOBLE, Tulsa, Okla. Filed May 15, 1922. Serial No. 561,203. 3 Claims. (Cl. 43-46.)



1. In an artificial bait, the combination with a body provided with a pivotally mounted tail-like member with its pivot being vertical and located forwardly of the rear end of said body portion, of a crank shaft journaled in said body portion with its rear end terminating in a crank located forwardly of said pivot, a part of said pivotal connection being engaged by said crank for causing horizontal swinging movement of the last named member upon rotation of said crank shaft.

1,521,091. DEPTH BOMB. FRANÇOIS LEONIDAS GUILLEMET, San Francisco, Calif. Filed July 18, 1918. Serial No. 245,589. 7 Claims. (Cl. 102-2.)

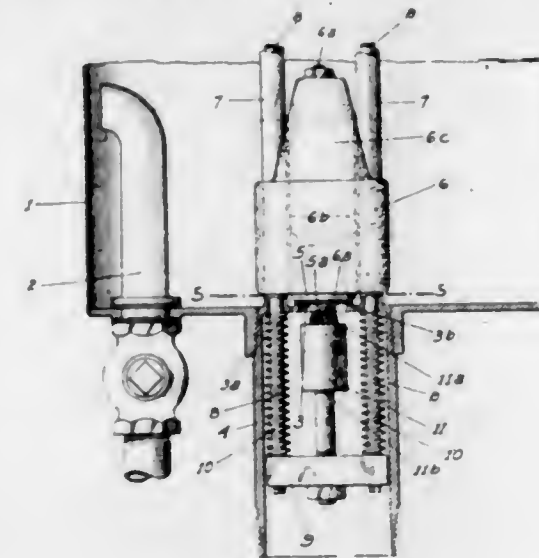


5. The combination with a marine projectile comprising a body having a socket therein and a groove communicating with the socket extending from the forward end of the projectile, a hydrostatically-controlled firing

mechanism for exploding the projectile when the same reaches a predetermined depth comprising a body detachably fitted in the socket having means sensitive to fluid pressure, and a guard for said hydrostatically-controlled firing mechanism fitted within the socket and normally covering said means, and a resilient tongue formed on the guard and disposed in line with said groove, said tongue forming means for holding the guard in position in relation to the hydrostatically-controlled firing mechanism when the projectile is in the barrel of a gun and for forming air resisting means when the projectile is in flight so that the guard will be lifted during flight off of the projectile.

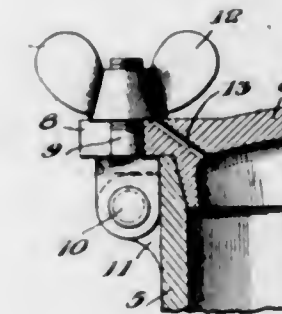
7. A marine depth bomb having an annular shoulder provided thereon rearwardly of its nose in non-projecting relation forwardly of the bomb and in such relation to the ballistic characteristics of the bomb that when striking a water surface the shoulder will engage the water to deflect the bomb into the water and prevent ricochet thereof.

1,521,092. TOILET FLUSH. CHARLES H. GUNN, Oakland, Calif. Filed Sept. 5, 1922. Serial No. 586,308. 2 Claims. (Cl. 4-28.)



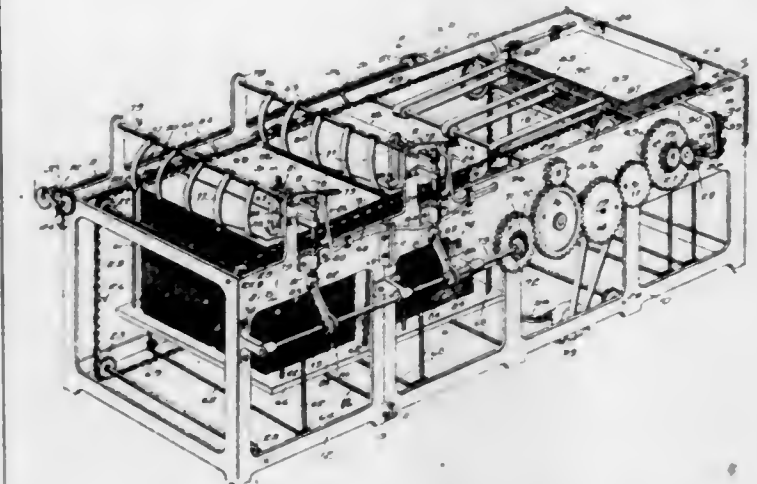
2. A toilet flushing apparatus comprising a tank having an inlet and an outlet, a float over the outlet, a valve-pad on the lower end of the float adapted to close the outlet, and pipes projecting upwardly in the tank at the sides of the outlet, the sides of the float being vertically grooved to fit the pipes, whereby the latter form guides for the float.

1,521,093. PRESSURE VESSEL. EDWIN SYDNEY HALL, Denver, Colo. Filed Nov. 22, 1923. Serial No. 676,409. 8 Claims. (Cl. 220-44.)



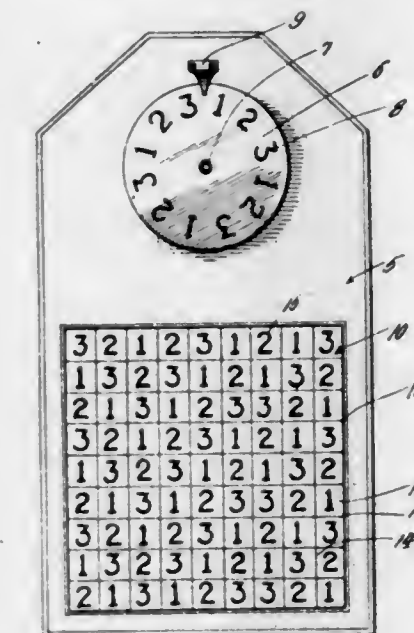
1. The combination with a vessel having a cover and a clamping connection between said vessel and cover; said cover having a transverse port and said clamping connection when in clamping position being adapted to seal said port.

1,521,094. NEWSPAPER-ASSEMBLING MACHINE. DON L. HARTFORD, Des Moines, Iowa. Filed Apr. 13, 1922. Serial No. 552,275. 10 Claims. (Cl. 270-55.)



1. In a machine for assembling folded sections of paper wherein the sections are supported in piles with their side edges adjacent and the folded portions disposed in the same direction, horizontally moving members adapted to enter each folded section, suction operated means for raising a free corner of each section and fingers adapted to enter the sections under the lifted portion and to lift the upper sheet of the section to a point where the horizontally moving members may enter the sections.

1,521,095. GAME. ELMER H. HARRIS, Scranton, Pa. Filed Dec. 1, 1923. Serial No. 678,018. 2 Claims. (Cl. 273-135.)

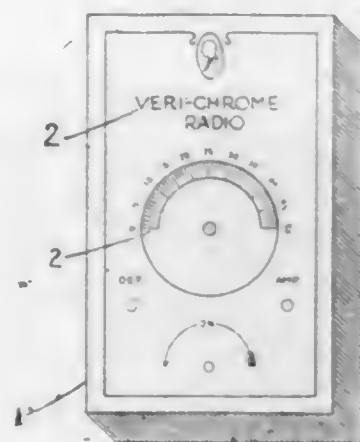


1. A game comprising a flat board having a spinning wheel mounted thereon, an indicator mounted on the board for the wheel, a plurality of rows of blocks provided with different numbers arranged on said board, the numbers on the spinning wheel corresponding to the numbers on the blocks, and counters numbered to correspond with the numbers on the blocks and spinning wheel adapted to be placed on said blocks indicated by the spinning wheel.

1,521,096. PROCESS FOR FINISHING PANELS FOR RADIO SETS. PAUL M. HENNEGAN, Cincinnati, Ohio. Filed Sept. 13, 1924. Serial No. 727,631. 4 Claims. (Cl. 41-36.)

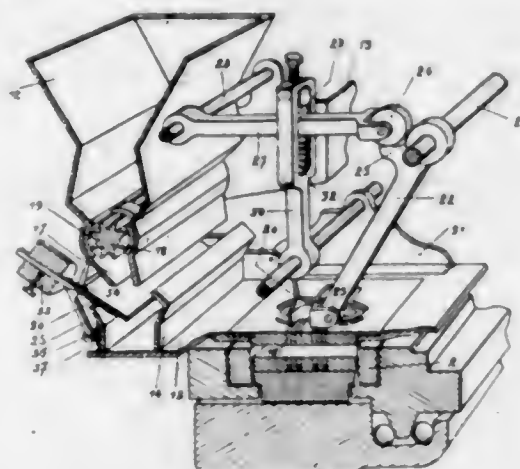
4. In a process for finishing opaque panels of insulating material, printing by offset on the front face of a

panel with a sticky substance, applying finely divided powdered material to such substance, coating the front



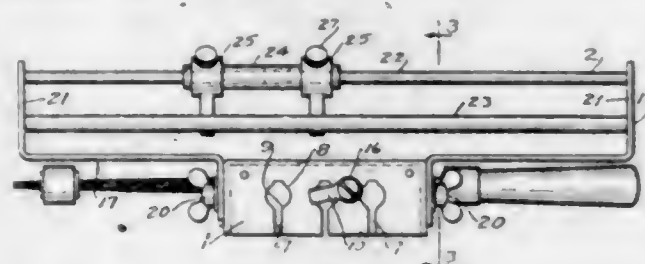
face of the thus treated panel with a substantially transparent fluid, and then drying the same.

1,521,097. APPARATUS FOR THE AUTOMATIC MANUFACTURE OF TILES WITH INCRUSTED DESIGNS. ARTHUR HENROZ, Brussels, Belgium. Filed Apr. 16, 1923. Serial No. 632,463. 6 Claims. (Cl. 25-42.)



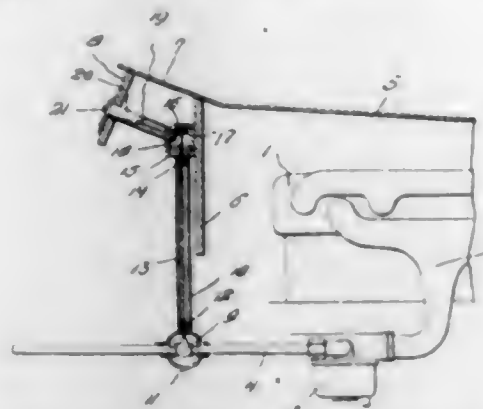
1. An apparatus for the distribution of pulverulent material for machines with a movable table used for the automatic manufacture of tiles with incrustated designs, comprising a fixed hopper containing the material, mechanism for the delivery of a measured quantity of the material, a movable receiver for delivering said material into the mould, and scraping means operated by said receiver.

1,521,098. FILE GAUGE. WILLIAM HILTON, Seattle, Wash. Filed Dec. 31, 1923. Serial No. 683,612. 2 Claims. (Cl. 76-31.)



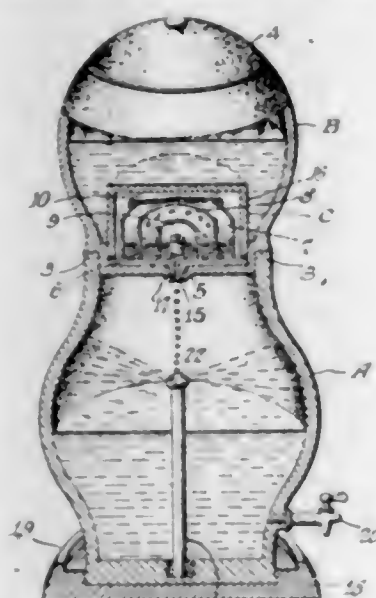
1. A file gauge having a block with straight and diagonal slots through it; a gauge at the ends of the slots for engaging saw teeth; brackets adjustably held at the ends of the block, said brackets having bars connecting them; and a carriage slidably mounted on one of the bars, said carriage having outstanding arms with sleeves in their outer ends for holding a file, and projections adjacent their inner ends for engaging the second bar to hold the carriage in such position that the file will engage the saw teeth.

1,521,099. AUTOMOBILE THEFT-PREVENTION MEANS. ALBERT C. HINES, Columbus, Ohio. Filed Mar. 8, 1924. Serial No. 697,825. 1 Claim. (Cl. 251-6.)



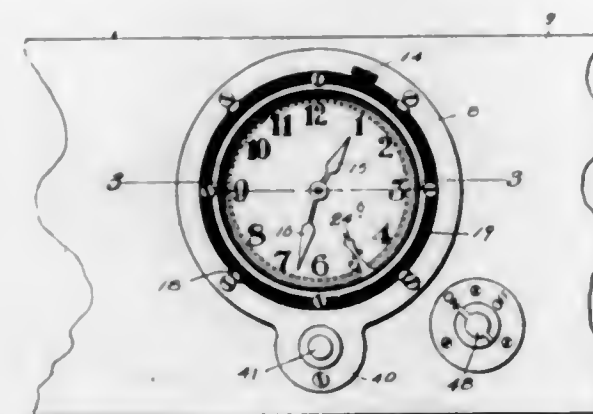
Means for preventing the unauthorized use of automobiles comprising a valve adapted to be disposed in the fuel line, a housing completely enclosing said valve and having opposed openings through which said feed pipe passes, said valve having a vertically extending operating stem, said housing being formed with a tubular extension providing a bearing for said stem, a tubular casing secured on said extension and enclosing said operating stem, a gear casing mounted on the upper end of said tubular casing and provided with bearings, said stem being rotatable in one of said bearings, a second tubular casing mounted on said gear casing and adapted to extend at one end through the instrument board of the vehicle, a lock mounted on the end of said last mentioned casing, a shaft rotatably mounted in said second named tubular casing and cooperating with said lock and having its inner end projecting into said gear casing, meshing gears carried by the inner end of said shaft and said stem, said gears being housed in said gear casing, and all of said casings being separate and detachably connected with each other.

1,521,100. WATER FILTER AND COOLER. GEORGE W. HOUSE, Long Beach, Calif. Filed Sept. 24, 1921. Serial No. 502,957. 1 Claim. (Cl. 210-101.)



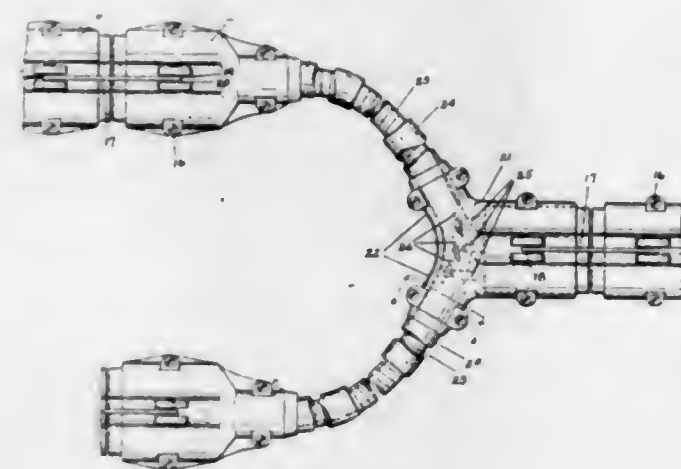
A self contained filtering element comprising a plate impervious to water having upstanding therefrom walls forming channels nesting one within another, the outer wall being spaced from the periphery of said plate, said channel communicating by openings such that the flow of water therethrough is undulating, filtering material in said channels, a disk of impervious material disposed over said channels and spanning the outer wall, and a cover of inverted cup form enclosing said channels and mounted upon said plate, said cover being formed of filtering material.

1,521,101. TIME-CONTROLLED SWITCH-OPERATING DEVICE. JOSEPH H. HUMPHREY and EDWARD ZOLA, St. Louis, Mo.; said Zola assignor to said Humphrey. Filed Nov. 14, 1921. Serial No. 514,937. 2 Claims. (Cl. 161-1.)



1. A time controlled switch operating device comprising a housing, a ring of insulating material rotatably carried thereby, a conductor ring having integrally formed contact brushes secured to said insulated ring, a clock located in said housing and adapted to have one of its hands contact with said brushes, an electromagnet adapted to be energized when said contact is made, and a switch adapted to be closed by said magnet when the same is energized.

1,521,102. CONNECTER FOR ELECTRIC CABLES. CORWILL JACKSON, Kalamazoo, Mich. Filed Mar. 14, 1922. Serial No. 543,673. 12 Claims. (Cl. 173-324.)



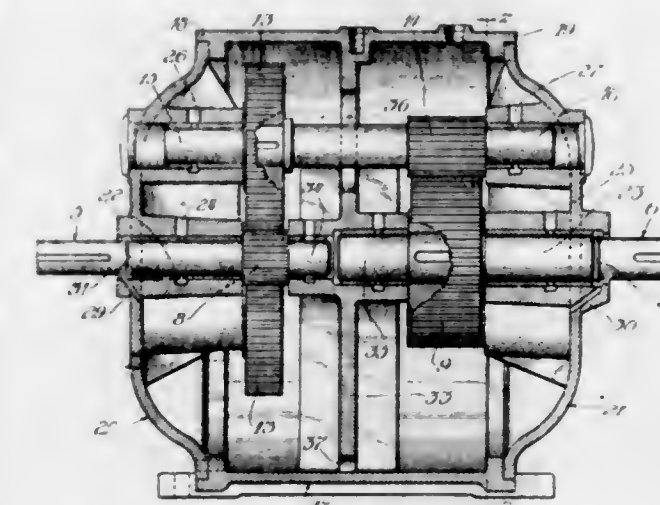
1. The combination with a conductor cable, of a pair of Y connector members provided with clamping bolts and having a plurality of opposed longitudinal internal channels in the body portion thereof and opposed continuous channels in the arms thereof, a portion of said cable intermediate its ends being clamped in said arms, such portion being provided with a tubular casing of resilient material, connector terminal members having threaded sockets at their inner ends, connecting wires for the wires of said conductor cable to said terminal members, clamping screws for said connecting wires, the ends of such wires being arranged through the screws and clamped in the bottoms of said terminal sockets, said screws being provided with protecting heads, and tubular insulators of resilient material for said terminal members embracing the heads of said clamping screws, said insulators being clamped in said channels.

1,521,103. METHOD OF STRIPPING CABLES. SAMUEL JACOBSON, San Francisco, Calif., assignor to Federated Metals Corporation, a Corporation of Delaware. Original application filed Mar. 28, 1923. Serial No. 628,393. Divided and this application filed May 10, 1924. Serial No. 712,236. 3 Claims. (Cl. 29-88.2.)



1. A method of removing the sheath from lengths of cable, which consists in severing the sheath at approximately the center thereof and then simultaneously gripping both ends of the sheath and stripping them from the core of the cable in a continuous operation.

1,521,104. SPEED CHANGER AND THE LIKE. WARREN G. JONES, Chicago, Ill., assignor to W. A. Jones Foundry & Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1922. Serial No. 596,412. 2 Claims. (Cl. 74-7.)

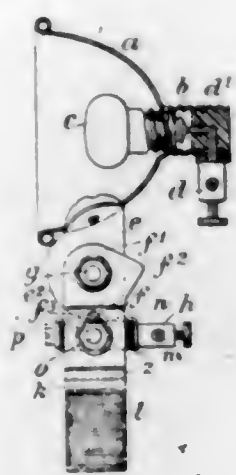


1. A change speed device comprising in combination a cylindrical drum having a central transverse partition, removable heads at the ends of the drum, a high speed shaft extending through one head and journaled with an inboard bearing in said partition, a low speed shaft extending through the other head in alignment with the high speed shaft and journaled with an inboard bearing in said partition adjacent to the high speed shaft inboard bearing, there being openings in the partition at separate points around said inboard bearings, a pinion on the high speed shaft adjacent to its inboard bearing, a gear on the low speed shaft adjacent to its bearing, back gear shafts reaching through the partition openings aforesaid and journaled in the casing heads, and gears and pinions on said back gear shafts meshing respectively with the pinion and gear on the high speed and low speed shafts, the partition opening being of sufficient size to pass the back gear shafts and their pinions, substantially as described.

1,521,105. PORTABLE ELECTRIC LAMP. RICHARD CLARENDON KAY, South Kensington, London, England. Filed May 7, 1923. Serial No. 637,220. 6 Claims. (Cl. 240-59.)

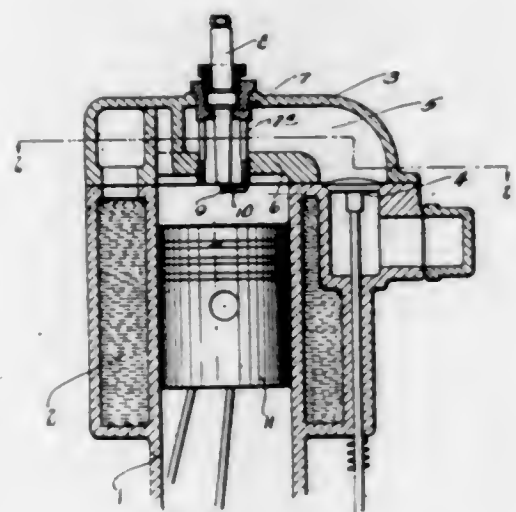
1. In a portable electric lamp, the combination of a lamp holder, means for attaching said holder to a person, terminals for connection with a supply of elec-

tricity, a universal joint connection between said lamp holder and attaching means, one member of the universal joint acting as a sliding electric contact during a rela-



tively large angular movement of said member about its pivot, and acting as a cut off switch during further movement, substantially as set forth.

1,521,106. CYLINDER HEAD AND SPARK PLUG. WILLIAM C. KEIM, Springfield, Ill. Filed Sept. 12, 1921. Serial No. 500,158. 11 Claims. (Cl. 123-169.)

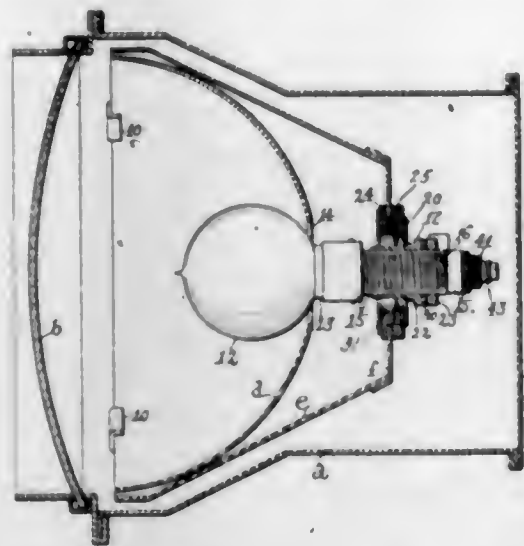


1. In an internal combustion engine a cylinder block having a fuel intake passage therein, an inlet valve in said passage adapted to be positively opened by suitable timing mechanism, a cylinder head having a fuel intake passage formed therein, and a spark plug located at the end of said head passage and including an apertured shell forming an enclosed continuation of said head passage and directing substantially all of the fuel supplied to its respective cylinder around and past its insulator and ignition points.

1,521,107. FOCUSING DEVICE FOR LANTERNS. CLARENCE H. KELSEA, Belmont, Mass., assignor to Peter Gray & Sons Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1921. Serial No. 519,632. 4 Claims. (Cl. 210-44.)

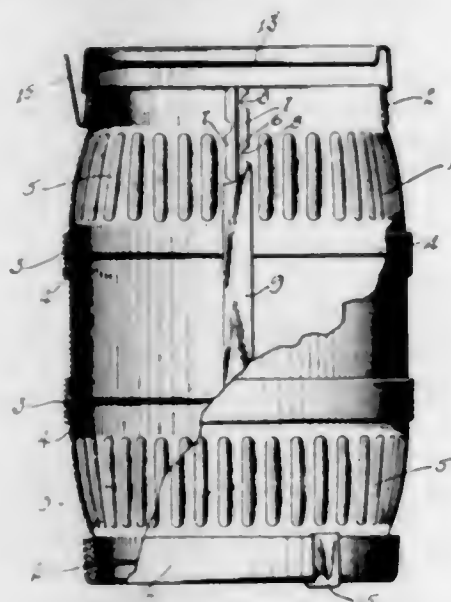
1. In an illuminating apparatus, in combination, a reflector, an incandescent lamp, a threaded socket member for said lamp, a bushing on said socket member, and an adjusting device for said lamp, comprising a sliding

member supporting said bushing, a rotatable member on which said sliding member slides, means for supporting said rotatable member, and means for securing said



rotatable member in fixed relation to its supporting means and said sliding member in fixed relation to said rotatable member.

1,521,108. KNOCKDOWN BARREL. JOHN H. KILLION, Chicago, Ill. Filed May 21, 1923. Serial No. 641,212. 3 Claims. (Cl. 220-5.)



1. A barrel of the type described having a body member of substantially the shape of a split annulus, the adjacent edges of said body member being turned inwardly and parallel to the inner side wall of said body member, said turned in edges having spaced apart recesses therein, and a tubular cylinder member having a longitudinal slit for receiving the inwardly turned portions of said body member, said tubular member having spaced apart recesses therein at the edges of said longitudinal slit, whereby cementitious material may be introduced within said tubular member to hermetically seal the side walls of the annulus and to be partially received in said recesses, whereby longitudinal movement of said tubular member is precluded.

1,521,109. GRAVITY-FEED OILER. RICHARD M. KNIGHT, Minneapolis, Minn. Filed Apr. 11, 1923. Serial No. 631,296. 1 Claim. (Cl. 184-11.)

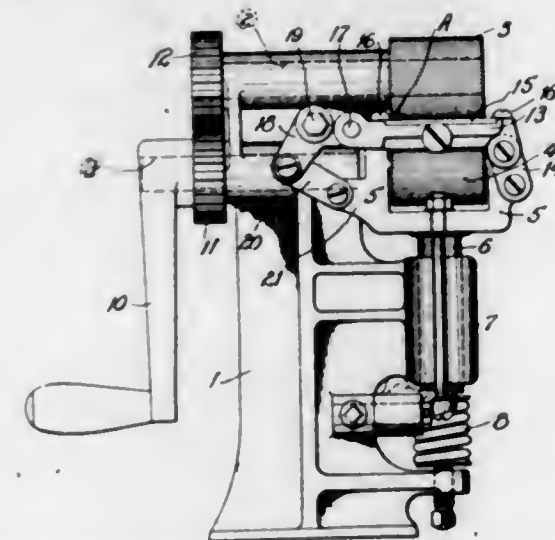
A combination with a crank case of an internal combustion engine of a lubricating attachment comprising an open-bottomed casing having a transverse flange across the bottom thereof of triangular cross section, said

crank case having an aperture in the top thereof over which said casing is secured to the top of said crank case with said flange positioned just below said aperture forming, with the top of said crank case and the wall



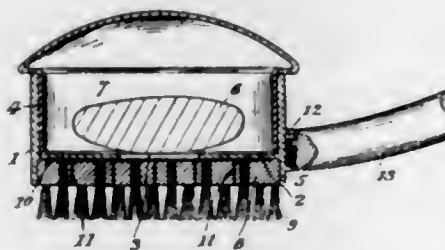
of said casing, an oil holding pocket and a pipe secured to one side of said casing and extending downwardly and longitudinally of said casing at the exterior thereof and discharging into the other end of said crank case.

1,521,110. SKIVING MACHINE. HARRY W. KRAG, St. Louis, Mo., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo., a Corporation of Missouri. Filed June 29, 1923. Serial No. 648,418. 3 Claims. (Cl. 69-13.)



1. A skiving machine comprising a frame, a pair of co-operating rolls, a support for one of said rolls, said support being movable towards and away from the other roller, a knife holder having a link connection with said support, a knife carried by said knife holder, and means secured to said knife holder and to the frame of the machine for maintaining a portion of said knife in fixed relation to said fixed roll in all positions of said movable roll and support.

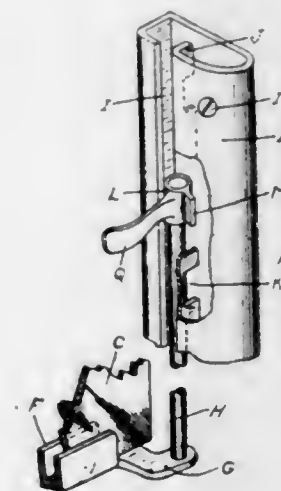
1,521,111. BATH BRUSH. IDA LA BREE, Oakland, Calif. Filed Jan. 22, 1923. Serial No. 614,219. 1 Claim. (Cl. 15-122.)



A bath brush of the class described comprising a body member of oval cross-section, said body member being provided with an opening therethrough, an integral partition formed therewithin adjacent the lower edge of said body to provide upper and lower compartments, the upper compartment forming substantially a receptacle adapted to receive soap and water, said partition being provided with a central longitudinal slot to permit the water within the receptacle to flow therethrough to the lower compartment, a brush head secured within the lower compartment, the upper face of the brush head being provided with a central longitudinal groove regis-

tering with the slot in said partition, said brush head also being provided with series of transverse perforations extending completely through the brush head and communicating with said longitudinal groove, whereby to permit water from the receptacle to flow therethrough, a handle member removably secured to the body, and a removable cover for the receptacle provided with depending flanges snugly fitting the inner walls of said receptacle, said cover at the junction of the top portion and flanges thereof being formed with a peripheral shoulder adapted to rest upon the upper peripheral edge of the body, as and for the purposes described.

1,521,112. WINDOW-CONTROLLING DEVICE. JOHN D. LAWRENCE, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Nov. 20, 1920. Serial No. 425,312. 10 Claims. (Cl. 292-67.)



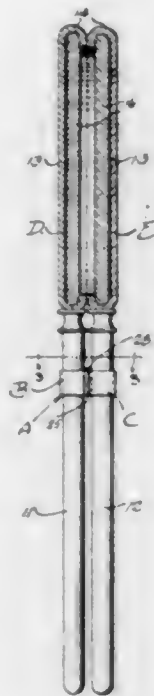
1. In a window control mechanism, the combination with a slidable window member, of a stem secured to said member, a locking head carried by said stem and adapted to rock thereon, a co-acting tubular locking member enclosing said stem and longitudinally slotted, and inwardly flanged marginal to said slot and formed upon said flange with a series of notches engageable by said locking head in one position of its rocking movement, said head including a handle member projecting through the longitudinal slot in the tubular member.

1,521,113. SAFETY PIN. JOHN W. MACKEY, Detroit, Mich. Filed Dec. 4, 1922. Serial No. 604,857. 2 Claims. (Cl. 24-161.)



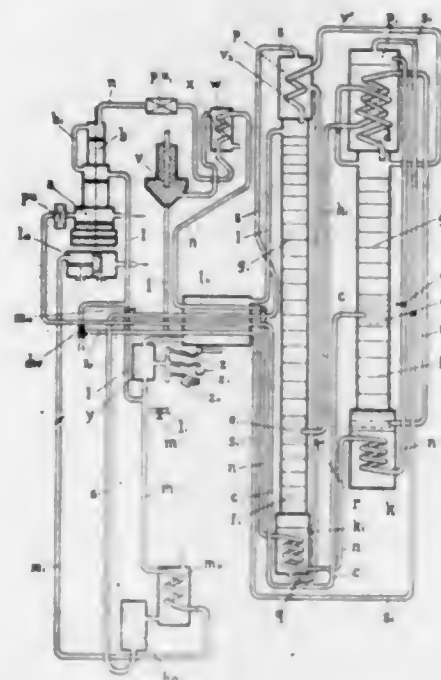
1. A safety pin formed of a continuous wire with a straight main arm, a sheath coil at one end of said main arm, a spring coil at the opposite end of said arm, the axis of one coil being at right angles to the axis of the other coil, and a bowed cloth engaging limb forming a continuation of the free end of said spring coil, said limb having a sharpened free end and said spring coil being operative to swing said limb longitudinally of the axis of said sheath coil with its sharpened end engageable between the turns of said sheath coil to hold the limb in closed position.

1,521,114. CLASP FOR DENTAL MIRRORS. ETSUJI E. MAYEDA, New York, N. Y. Filed June 13, 1923. Serial No. 645,219. 4 Claims. (Cl. 24-81.)



1. As an article of manufacture, a clasp for mounting on the shanks of dental mirrors for holding the mirrors together comprising a section mounted on one shank of a mirror to provide a socket opening, and a second section mounted on the shank of another mirror to provide a projection for detachable engagement in the socket opening of the first section whereby the shanks may be maintained in assembled relation.

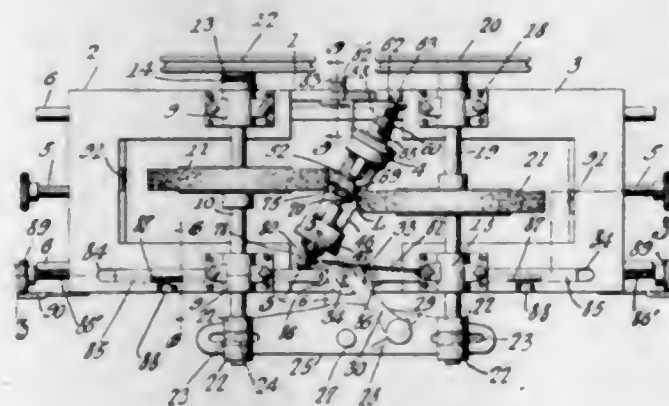
1,521,115. PROCESS FOR SEPARATING GAS MIXTURES UNDER PRESSURE. RUDOLF FERDINAND MEWES and RUDOLF KARL EDUARD MEWES, Berlin, Germany. Filed Aug. 20, 1923. Serial No. 658,460. 4 Claims. (Cl. 183-115.)



1. Process for liquefying and separating oxygen and nitrogen gases by means of a rectifying column provided with a dephlegmation column, and evaporating column, an evaporator beneath the evaporating column and a condenser above the dephlegmation column said process consisting in compressing the gases up to any desired

pressure, conducting them in a gaseous state through a heat exchanger into the dephlegmation column connected to the evaporating column of the rectifying column; allowing them to ascend in the column and exchange their oxygen for descending nitrogen so that the oxygen descends in a liquid state while the nitrogen vapors ascend and a part of the nitrogen vapors is liquefied by the condenser at the top of the rectifying column and conducted back into the top of the rectifying column; while another part of the said nitrogen vapors is conducted from the top of the evaporating column through the condenser of the dephlegmation column, liquefied in the same and caused to flow in a liquid state into the top of the dephlegmation column; conducting the nitrogen vapors that ascend from the dephlegmation column to the exterior of this column and through a heat exchanger; tapping off a part of the last named nitrogen vapors from the heat exchanger at a point beyond the coldest point in the circulation system and then expanding the said tapped off vapors under performance of useful work; compressing up to a considerable pressure the part of nitrogen vapors that is not tapped off and conducting them first through the heat exchanger, then through the evaporator or the dephlegmation column for the purpose of heating it, then through the evaporator of the evaporating column for the purpose of heating it then through an expanding device by which it is caused to expand to a sufficiently low pressure and into a condenser above the evaporating column, while the vapors formed in the evaporator of the evaporating column are conducted by a cooling pipe through a condenser located above the evaporating column and the liquid thus formed is allowed to flow into the dephlegmation column; allowing the liquid oxygen which collects in the evaporator of the dephlegmation column to pass into the condenser situated above the dephlegmation column and allowing it to expand in the said condenser so that its pressure drops from the pressure existing in the rectifying column to almost atmospheric pressure, and in conducting the vapors formed in the said condenser to the place where they are required.

1,521,116. MACHINE FOR BEVELING THE EDGES OF OPTICAL LENSES. GEORGE P. MILLER, Foxcroft, Me. Filed Apr. 7, 1921. Serial No. 459,449. 10 Claims. (Cl. 51-101.)

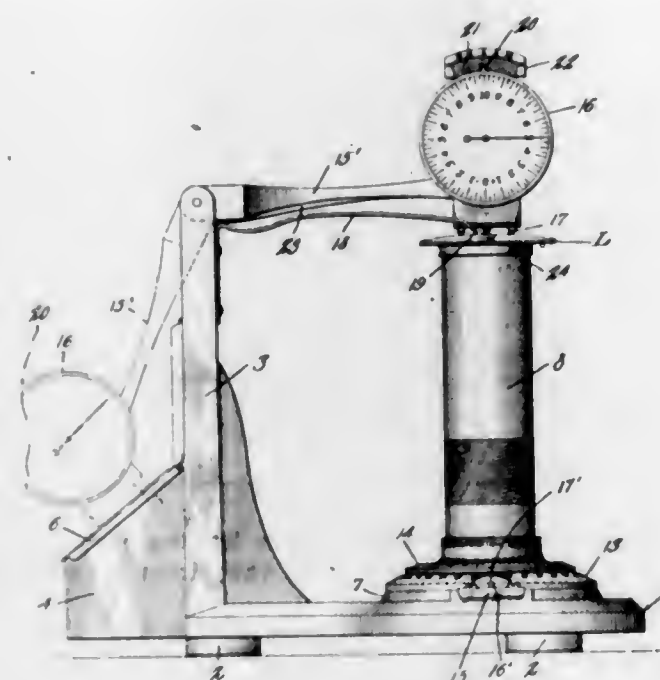


1. In a machine of the class described the combination of means for simultaneously beveling the opposite faces of a lens at diametrically opposite portions of the edge thereof and yielding means for pressing said edge portions of the lens against the beveling means.

1,521,117. AXOMETER. GEORGE PERLEY MILLER, Dover, Foxcroft, Me. Filed Oct. 30, 1922. Serial No. 597,888. 7 Claims. (Cl. 33-174.)

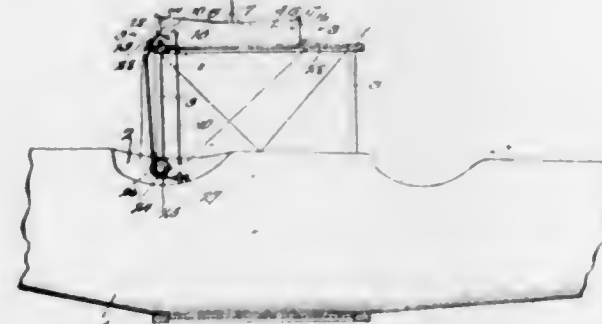
1. In an axometer the combination with a base, of a lens supporting post mounted for rotation on the base and having series of graduations extending through 180°

therearound, a ring mounted for rotation on the post and having opposed series of graduations each extending through one-quarter of a circle from a zero graduation, said graduations being numbered in each series from "0"



to "20", superposed pointers cooperating with the graduations on the post and ring, a lens measure and means for movably supporting said lens measure from said base for contact with the lens on the post.

1,521,118. PARACHUTE CONTAINER. FRANCIS L. MORGAN and ARTHUR CLAIRE DEWEY, Washington, Iowa. Filed May 8, 1923. Serial No. 637,570. 4 Claims. (Cl. 244-21.)

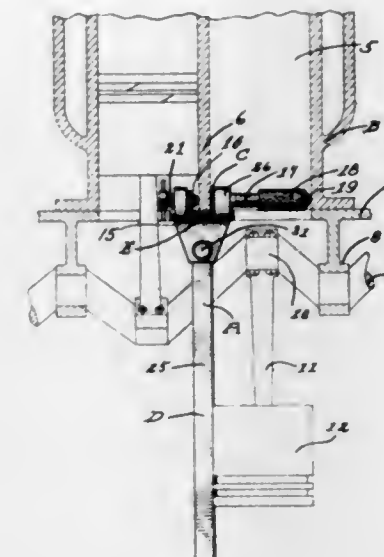


1. A safety appliance for flying machines comprising a parachute, a container receiving the parachute and having a gradually restricted air conduit extending longitudinally thereof and opening out through opposite ends of the container, the parachute being extended around and over the outlet end of the air conduit whereby the rush of air through the passage will open the parachute, a closure for the inlet end of the air passage, and means pivotally supporting the container.

1,521,119. PISTON-ALIGNING TOOL. MELVIN F. MURPHY, Chesterfield, Ill. Filed Mar. 25, 1922. Serial No. 546,912. 8 Claims. (Cl. 33-180.)

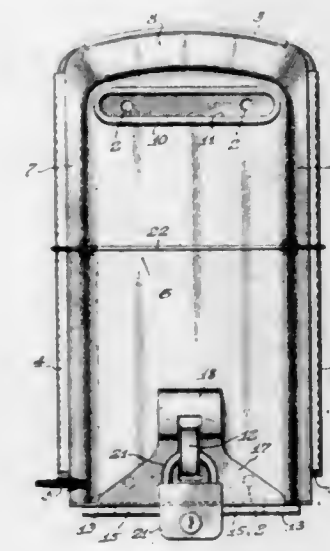
1. A piston aligning tool comprising an abutment having a contour conforming to the inner wall of the

cylinder, means for detachably holding said abutment into engagement with the said inner wall, and an align-



ing rod carried by said means having one of its longitudinal edges disposed in alignment with the face of the abutment.

1,521,120. MAIL BOX. WILLIAM N. MURPHY, Detroit, Mich., assignor of one-half to Homer D. Martin, Detroit, Mich. Filed Mar. 20, 1922. Serial No. 545,031. 2 Claims. (Cl. 232-19.)

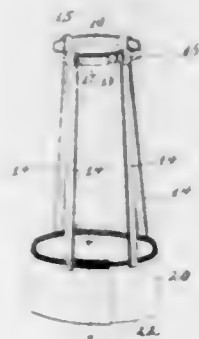


1. A mail box comprising a rear wall having screw-receiving openings and side channel guides, a casing mounted on said rear wall and having flanges extending under said guides, said casing having a front wall slot opposite the rear wall openings so that said mail box may be conveniently attached to a support after said casing is mounted on said rear wall, said casing being mounted on said rear wall by endwise movement of said casing, and means at the lower ends of the guides of said rear wall adapted to retain said casing flanges in said guides.

1,521,121. SKIRT GUARD. BERTHA EDITH NELSON, New York, N. Y. Filed Oct. 17, 1923. Serial No. 660,045. 3 Claims. (Cl. 2-223.)

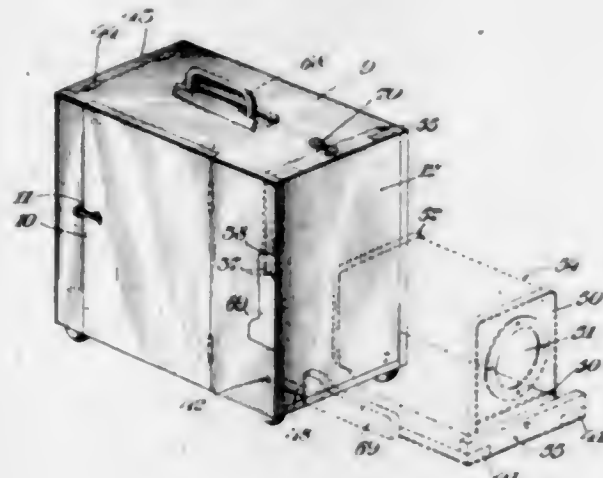
1. A skirt guard comprising means circumferentially adjustable to enfold the lower margin of a garment, a

waistband circumferentially adjustable, and means depending from said waistband and connected to said first-



named means, for supporting the latter solely from the waist of the wearer.

1,521,122. COMBINED OPTICAL PROJECTING MACHINE AND SLIDE CARRIER. HUGO NEWMAN, New York, N. Y. Filed Dec. 30, 1922. Serial No. 609,808. 18 Claims. (Cl. 88-26.)

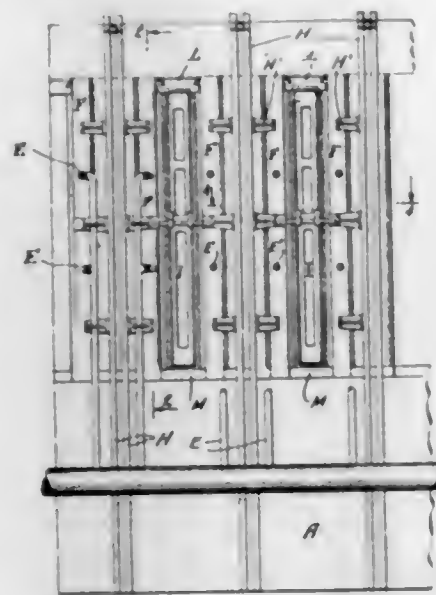


1. A projecting machine comprising a casing having a lamp compartment, a condensing lens compartment, a lantern slide box compartment, means for permitting access to said last compartment, and a slide box slidably mounted therein for removal.

1,521,123. COKE OVEN. WILLIAM H. PAVITT, Brooklyn, N. Y., assignor of one-third to Louis Wilputte and two-thirds to Alice A. Wilputte, both of New Rochelle, N. Y. Filed May 5, 1922. Serial No. 558,642. 5 Claims. (Cl. 202-9.)

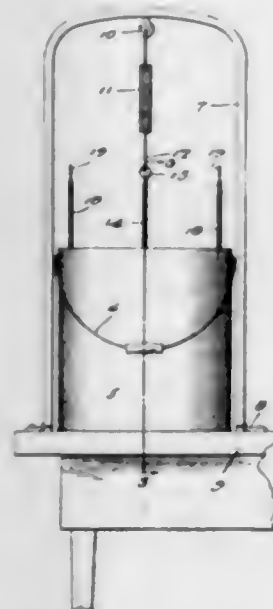
1. In a coke oven of the type in which a central supporting wall and separate hollow heating walls at opposite sides of the supporting wall are interposed between each adjacent pair of coking chambers, the improvement

which comprises a metallic armor member at the end of each heating wall and engaging the end and outer



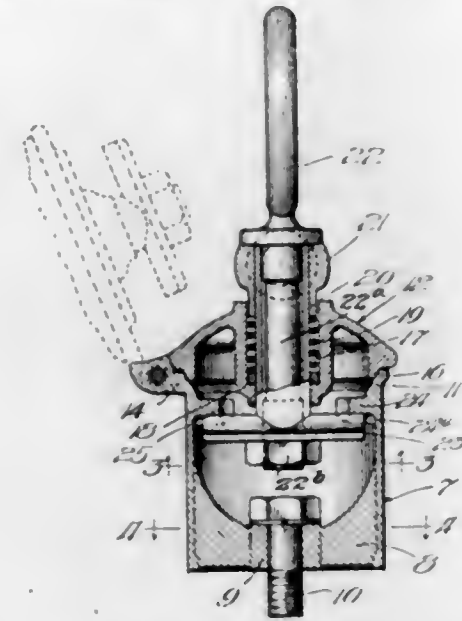
side wall bricks thereof and means holding each of said armor members against movement away from the adjacent central supporting wall.

1,521,124. DISHWASHER. EMMA E. PLASTERS, Hyattsville, Wyo. Filed Feb. 15, 1924. Serial No. 693,033. 1 Claim. (Cl. 141-9.)



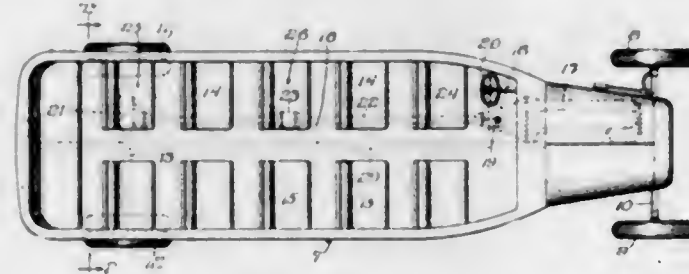
A dish washer of the character described comprising a water receptacle, a foraminous dish receptacle adapted to be disposed within the water receptacle, said dish receptacle being of a size to assume a position within the water receptacle below the top and above the bottom of the latter as well as spaced from the sides thereof, means including a retractile spring for suspending the dish receptacle within the water receptacle in its said position, handles projecting upwardly from and rigid with the opposite sides of the dish receptacle for facilitating manual vertical reciprocation and rotary oscillating movement of the dish receptacle about a vertical axis, a cover for the top of said water receptacle having openings through which the handles project, said openings being of arcuate elongated form to permit the rotary oscillating movement of the dish receptacle, said dish receptacle having a rigid arm disposed above the top thereof and coincident with its vertical axis, said cover having a central opening through which said arm projects for attachment to said spring, said central opening of the cover being transversely elongated to permit lateral tilting of the dish receptacle.

1,521,125. RADIATOR FILLER CAP AND THE LIKE. GEORGE J. RACKHAM, Chicago, Ill., assignor to Yellow Coach Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1923. Serial No. 604,526. 5 Claims. (Cl. 220-24.)



1. In a device of the class described, the combination of a vertical neck having in its upper portion a circular tapered seat, a pair of oppositely disposed inwardly projecting lugs on the upper portion of said neck having their lower faces upwardly recessed, a cap having in its bottom portion a downwardly depending circular tapered flange adapted to engage the seat aforesaid, a loosely yieldable pivotal connection between the cap and the upper portion of the neck, a downwardly depending central pocket in the upper portion of the neck, having its lower end turned inwardly to establish a shoulder for the support of a spring, a stem loosely extending through said pocket, a spring within the pocket surrounding the stem and having its lower end engaging the shoulder aforesaid and its lower end engaging the upper portion of the stem, a cross bar on the lower end of the stem, having the upper surfaces of its end portions wedge shaped and adapted to engage the recesses of the neck lugs, and a symbol connected to the upper portion of the stem and adapted to occupy a position across the vehicle when the bar is in engagement with the lugs aforesaid, substantially as described.

1,521,126. MOTOR VEHICLE. GEORGE JOHN RACKHAM, Chicago, Ill., assignor to Yellow Coach Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 30, 1923. Serial No. 677,597. 6 Claims. (Cl. 180-57.)



1. In a motor vehicle, the combination of a chassis including front steering wheels and rear driving wheels, of an engine mounted in the front portion of the chassis to the left side of the center line thereof, said engine having a normal direction of rotation in a clockwise direction when looking at the front of the vehicle, a transmission unit at the rear end of the engine and substantially in line therewith, a control handle reaching upwardly from said transmission unit at the left side of the center line of the vehicle, a steering wheel located in close proximity to the transmission control handle

aforesaid, a differential pot in the rear axle located to the left side of the center line of the vehicle and substantially in line with the engine and transmission aforesaid, a drive shaft reaching directly from the transmission to the differential pot, a universal joint in said drive shaft, both the drive shaft and universal joint being located in line with the engine, transmission, and differential pot, and a body mounted upon the chassis and including cross seats one of which is located directly above the differential pot and another directly above the universal joint, and another of which seats is located at the left side of the vehicle in proximity to the transmission control handle and steering wheel, a longitudinally extending body frame member beneath the center line of the body, and a floor for the central portion of the body and between the seats, whereby said floor may be placed at a relatively low elevation, the differential pot and universal joint being accommodated beneath the seats aforesaid, and whereby the transmission control handle and steering wheel may be brought adjacent to the left end of the front seat aforesaid, substantially as described.

1,521,127. PROCESS FOR THE PREPARATION OF MEAT POWDERS. WILLIAM FREDERICK REMUS, Rangitanga, New Zealand, assignor of one-sixth to Alexander Edmund Macredie, one-sixth to Charles Frederick Cork, three-twelfths to Alan Mackenzie McNeill, and three-twelfths to William John Abbott, all of Auckland, New Zealand. Filed May 5, 1921. Serial No. 466,995. 2 Claims. (Cl. 99-5.)

1. The process of making meat powder which comprises first reducing meat to small pieces, heating the meat at approximately 135° F. until some of the juices are liberated, then squeezing out the juices thus liberated, mincing the squeezed meat, then heating the minced meat at approximately 135° F. until it is thoroughly dry, and finally pulverizing or grinding the dried meat.

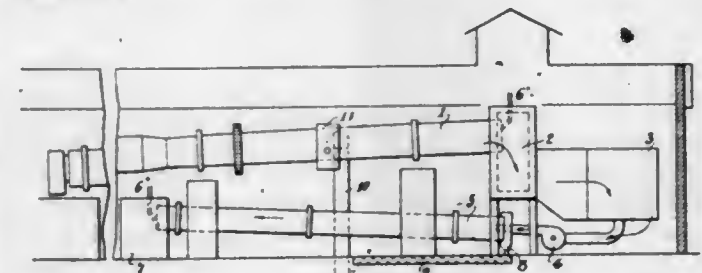
1,521,128. ROOFING ELEMENT. THOMAS ROBINSON, Babylon, N. Y., assignor to Anaconda Sales Company, a Corporation of Delaware. Filed Aug. 22, 1923. Serial No. 658,664. 7 Claims. (Cl. 91-68.)



1. A roofing element comprising a non-hygroscopic, heat-resistant, non-warping base of a plastic material, and a coating of glass applied to the surface thereof and forming a continuous layer.

4. A roofing element comprising a substantially rigid base formed of granulated cork, and a coating of glass applied to the surface thereof to form a continuous layer.

1,521,129. PROCESS AND APPARATUS FOR UTILIZATION OF THE COMBUSTION GASES FROM ROTARY CEMENT-BURNING KILNS. EINAR RØNNE, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y., a Corporation of New Jersey. Filed Jan. 6, 1923. Serial No. 611,200. 4 Claims. (Cl. 222-7.)



1. The process for utilization of the heat content of the combustion gases from rotary burning kilns for moist raw material, in which a portion of the raw material

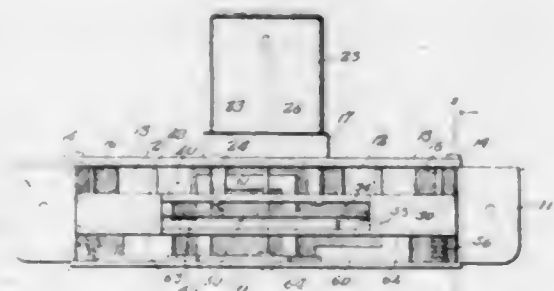
is subjected directly to the drying action of the combustion gases in the kiln and another portion is subjected externally of the kiln to the drying action of the waste combustion gases and is then mingled with the first portion in the kiln in a similar state.

1,521,130. ADAPTER FOR ELECTRICAL FIXTURES. EDMUND O. SCHWEITZER, Chicago, Ill. Filed Sept. 9, 1920. Serial No. 409,195. 17 Claims. (Cl. 240-78.)



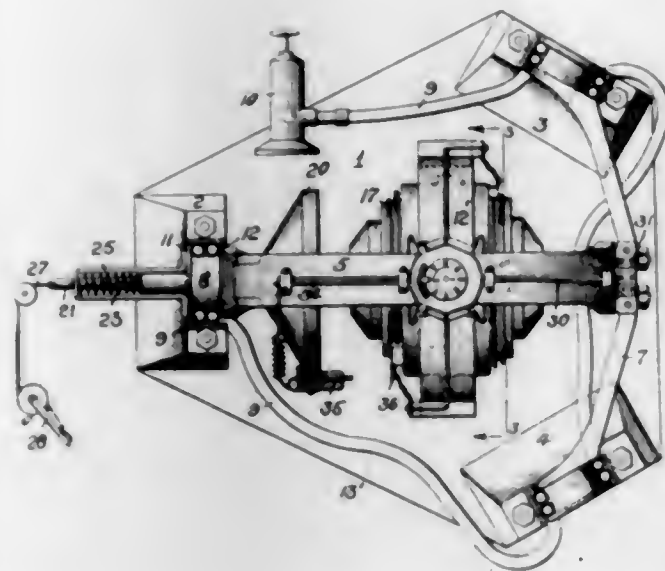
1. In an adapter, the combination of a standard plug, a first standard socket, a second standard socket, supporting means depending from said plug and extending downwardly for the support of one of said sockets, said supporting means consisting of a single rod lying wholly at one side of the plug and the sockets, said sockets being adapted to provide outlets for a plurality of electrical devices and being arranged substantially in axial alignment with said plug.

1,521,131. BAG LOCK. DANIEL E. SEDLACK, Newark, N. J. Filed Jan. 12, 1924. Serial No. 685,749. 6 Claims. (Cl. 70-2.)



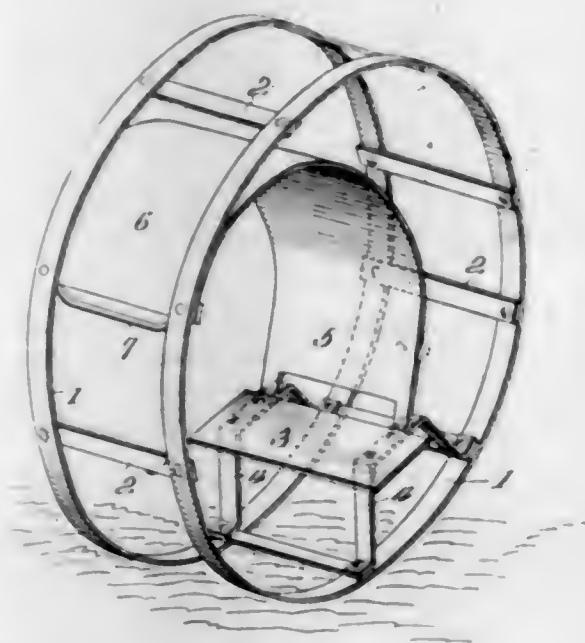
1. A bag lock comprising a casing, a latch slidable in the casing and having means for engaging a hasp, a bolt slidable longitudinally in the casing and having means cooperating with the latch to hold the latter against sliding movement, a tumbler slidably supported on said latch and engaging the bolt to shift the latter, and a tumbler catch mounted on the latch and cooperating with the tumbler to lock the latter, the tumbler and catch having key engaging surfaces so arranged as to require the catch to be released before the tumbler can be shifted.

1,521,132. GYROSCOPIC APPARATUS FOR AIRPLANES. LAWRENCE B. SPERRY, Farmingdale, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 25, 1921. Serial No. 517,482. 8 Claims. (Cl. 74-78.)



1. A mounting for gyroscopic apparatus comprising a support, a frame within which the gyroscope is mounted in said support at three spaced points and an air cushion between said support and frame at said points.

1,521,133. AMUSEMENT DEVICE. EUGENE F. TINKER, Salina, Kans. Filed Jan. 31, 1922. Serial No. 533,090. 6 Claims. (Cl. 292-1.)

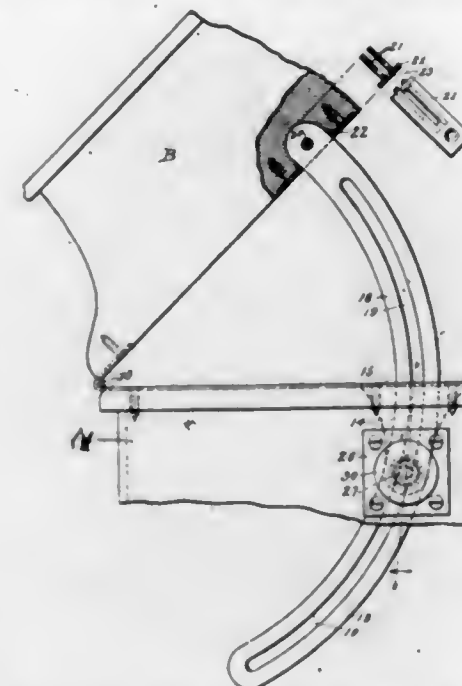


1. A rolling vehicle including a rolling member, a seat mounted therein, and a shield disposed between an occupant of said seat and the periphery of said member for protecting said occupant in the rolling of the vehicle.

1,521,134. ADJUSTABLE SUPPORT AND LIFTER FOR COVERS. JOSEPH M. SUAREZ, Baltimore, Md. Filed Apr. 30, 1923. Serial No. 635,729. 6 Claims. (Cl. 217-60.)

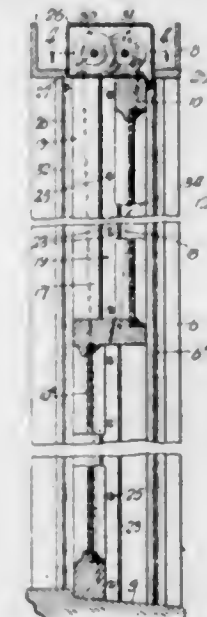
1. The combination of a body, a cover therefor a spring-hinge uniting one edge of said cover to said body and constantly tending to raise the cover, a link se-

cured to said cover at a distance from said spring-hinge, said body having an aperture therein to receive the link when the cover is down, and means yieldingly and frictionally engaging said link for holding it in different adjustments and thereby holding the cover in different adjustments.



tionally engaging said link for holding it in different adjustments and thereby holding the cover in different adjustments.

1,521,135. WINDOW CONSTRUCTION. JOSEPH SYLVAN, Cicero, Ill. Filed Oct. 3, 1921. Serial No. 505,104. 8 Claims. (Cl. 20-11.)

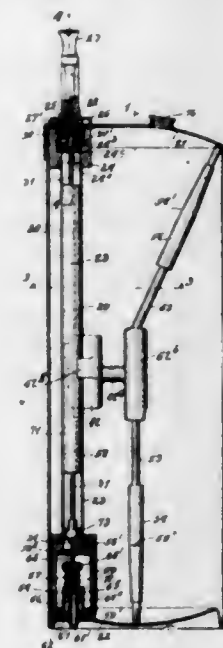


1. In combination with a plurality of sets of sash, each set comprising an upper and a lower sash, means providing frame members in which said sash are vertically slidable, a pair of shafts arranged in the top ends of said frame members, circular members on each pair of shafts, means connecting the bottom sash of one set and the top sash of another set with the circular members on one shaft, and means connecting the bottom sash of the second set and the top sash of the first set with said circular members on the second shaft, so that when one sash of one set is moved vertically the other sash of the other set moves simultaneously therewith in an opposite direction and counterbalances the same.

1,521,136. LIQUID PROJECTOR. HARRY E. TUNNELL, New York, N. Y., assignor to Fire Gun Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 18, 1919. Serial No. 271,830. 11 Claims. (Cl. 299-98.)

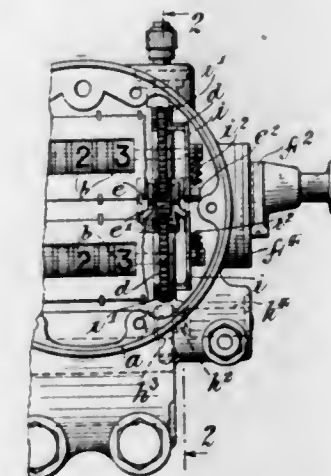
1. In apparatus of the class described, a container, a pump located therein and comprising a barrel and a re-

ciprocating piston, means whereby the reciprocation of said piston will cause fluid to be expelled from the container, a packing box through which said piston rod extends, containing packing pervious to air, and an air-vent connection leading from a point in said packing box adjacent to said piston rod to the interior of the container, whereby air will pass during the operation of the pump, through the said packing and said air-vent, into the interior of the container and blow back into the container, along the piston rod, any liquid which may have passed outwardly along the piston rod into said packing.



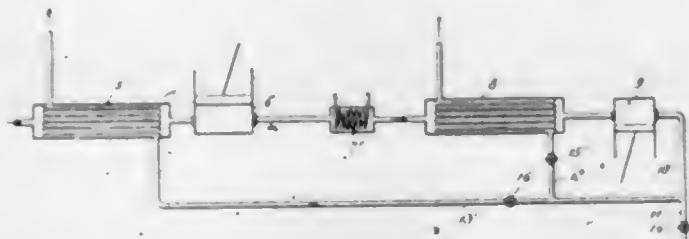
7. In apparatus of the class described, a pump, a casing provided with an outlet chamber connected with the pump, and with a nozzle leading from said chamber, a valve movable in line with the path of the pump piston and adapted to close said nozzle, a slide interposed between the pump piston and said valve, the valve and slide being formed, the one with a sleeve, and the other with a stem entering said sleeve and in sliding engagement therewith, a spring surrounding said sleeve and bearing against said valve and said slide with a tendency to separate them, and means for causing the valve to open.

1,521,137. DUPLEX COUNTING MACHINE. CURTIS HERSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 29, 1923. Serial No. 683,268. 3 Claims. (Cl. 235-91.)



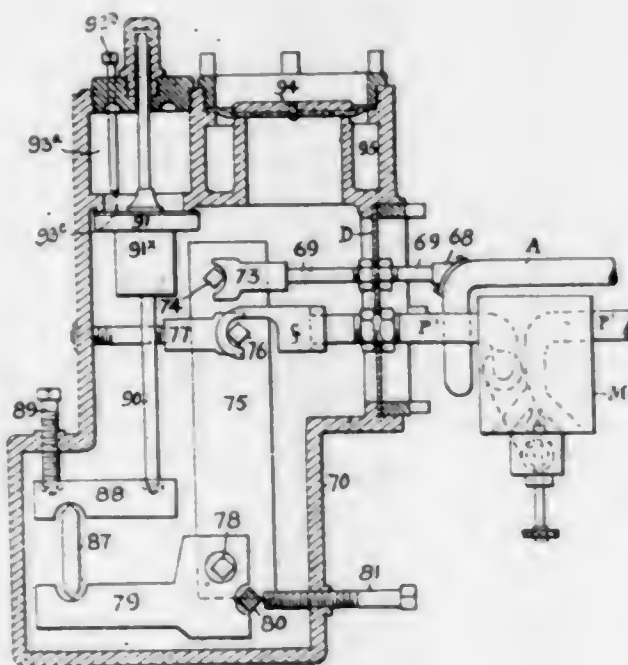
1. A duplex counter comprising two parallel counting machines, each having a driving gear, a driving worm, a shiftable yoke and two transmitting pinions carried by the yoke in engagement with each other, one of said pinions being in engagement with the driving worm and the other being in operative relation with the driving gear.

1,521,138. LIQUEFACTION OF GASES. CLAUDE C. VAN NUYSE, Cranford, N. J., assignor to Air Reduction Company, Incorporated, a Corporation of New York. Filed Mar. 19, 1921. Serial No. 453,577. 12 Claims. (Cl. 183-115.)



1. In the liquefaction and separation of constituents of gaseous mixtures, a method which comprises subjecting the mixture to compression and subsequently to a liquefaction operation, thereby separating the mixture into a plurality of fractions containing the desired constituents and regulating said operation by utilizing a variable portion of a cold fraction to cool the gaseous mixture prior to compression.

1,521,139. AUTOMATIC WATER HEATER. GILBERT S. WALKER, Pittsburgh, Pa. Original application filed Jan. 31, 1917. Serial No. 145,602. Divided and this application filed Sept. 15, 1922. Serial No. 588,506. 9 Claims. (Cl. 236-21.)

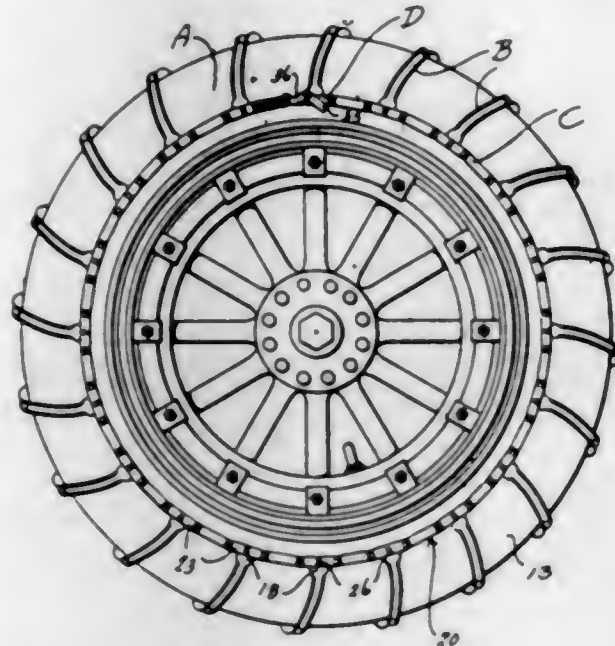


1. In a water heater, a gas burner, a gas valve, a water heating coil, thermostatic means through which the water passes to the intake of said coil for operating said gas valve in one direction, and independent thermostatic means at the outlet of said coil for operating said valve in the opposite direction.

1,521,140. ANTISKID CHAIN. FRANK O. WALT, Avoca, Wis. Filed Aug. 4, 1921. Serial No. 489,781. 1 Claim. (Cl. 152-14.)

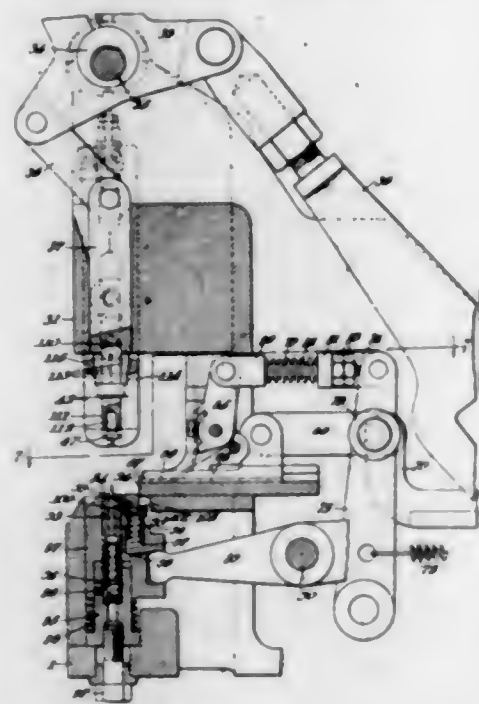
In an anti-skid device, the combination of a plurality of U-shaped traction elements adapted to straddle a tire with their arms extending toward a wheel rim and terminating in flat parallel end portions, and chain devices for the ends of said traction elements each embodying links pivotally connected intermediate their ends to the flat

ends of the traction elements and formed of pairs of plates pivotally connected upon opposite sides of the flat ends of the arms of said traction elements, and connecting links each formed of a single plate and having their ends pivotally mounted between the ends of the links which are pivotally connected to the flat ends of the arms of the traction elements.



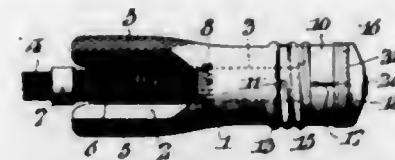
neeting links each formed of a single plate and having their ends pivotally mounted between the ends of the links which are pivotally connected to the flat ends of the arms of the traction elements.

1,521,141. SNAP-FASTENER-SETTING MACHINE. FRANK E. WARNER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 20, 1923. Serial No. 646,585. 7 Claims. (Cl. 218-6.)



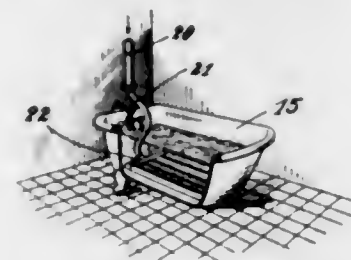
3. In a machine for setting snap fasteners, a stationary anvil block, a guide partially surrounding said block and movable longitudinally with respect thereto, a setting plunger arranged for reciprocation in vertical alignment with said block, a table, a stationary guide mounted on said table, means for feeding fastener parts to said stationary guide, means for imparting positive sliding movement to said movable guide to raise same above the plane of said table to form a partial pocket above and around the top of said block, means for advancing fastener parts fed to said stationary guide in timed relation to the movement of said movable guide, and a filler block carried by said movable guide and interposed between said anvil block and table.

1,521,142. ELECTRIC ATTACHMENT PLUG. OLIVER S. WRIGHT, Philadelphia, Pa. Filed Mar. 2, 1920. Serial No. 392,875. 8 Claims. (Cl. 173-350.)



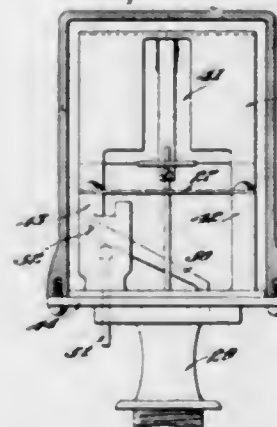
2. An attachment plug comprising a threaded metallic shell; a core piece carrying terminals for the conductor leads and having thereon annular contact means for engaging the shell to make electrical connection therewith and spaced from the core piece to form an annular recess therebetween; and retainer means detachably secured to the end of said shell, and engaged in said annular recess to maintain core piece and shell in assembled relation with capacity for relative rotation.

1,521,143. AERATING BUBBLER. CHARLES WEBER, Newark, N. J., assignor to Weber Pearl Bath Company, Newark, N. J., a Corporation of New Jersey. Filed June 15, 1923. Serial No. 645,487. 4 Claims. (Cl. 261-121.)



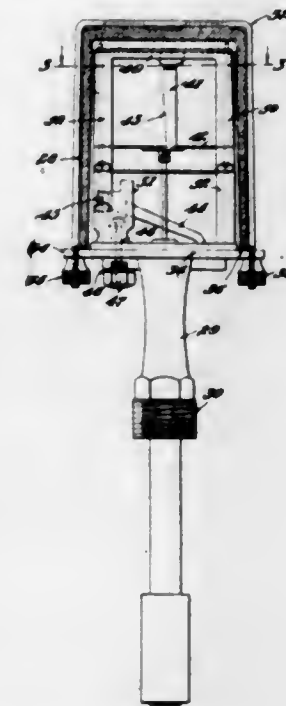
1. A device for distributing gases in liquids comprising in combination, end elements, compressed air-like material disposed between said end elements, its entire outer surface in contact with the liquid to allow a free distribution of the gas in all directions, and means for securing said end elements and compressed material together.

1,521,144. OVERLOAD-INDICATING APPARATUS FOR TRANSFORMERS. THOMAS DONALD ADAIR, JR., Dorchester, Mass., assignor, by mesne assignments, to Leonard L. Elden and David Boyden, both of Brookline, Mass. Filed Oct. 11, 1921. Serial No. 597,029. 5 Claims. (Cl. 116-114.)



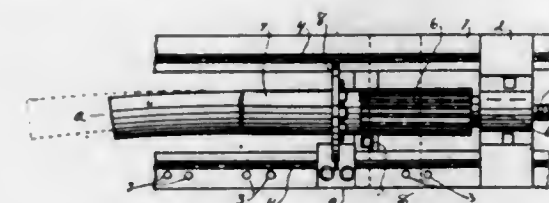
4. An indicating device having, in combination, a screen having a portion visible against a dark background and a portion transmitting light from a light background, a semaphore, a member for normally maintaining the semaphore in position to cover the screen, and means for actuating the member to allow the semaphore to move and uncover the screen.

1,521,145. OVERLOAD-INDICATING APPARATUS FOR TRANSFORMERS. THOMAS DONALD ADAIR, JR., Dorchester, Mass., assignor, by mesne assignments, to Leonard L. Elden, Brookline, Mass., and Davis S. Boyden, Boston, Mass. Filed Aug. 15, 1922. Serial No. 582,057. 3 Claims. (Cl. 116-114.)



1. Overload indicating apparatus for transformers having, in combination, a semaphore, a heat sensitive element, connections between the semaphore and the heat sensitive element permitting the semaphore to drop upon the indication of critical temperature by the heat sensitive element, a box for covering the semaphore, a wire ball extending over the box, and means for securing it to the base plate to hold the box in place thereon.

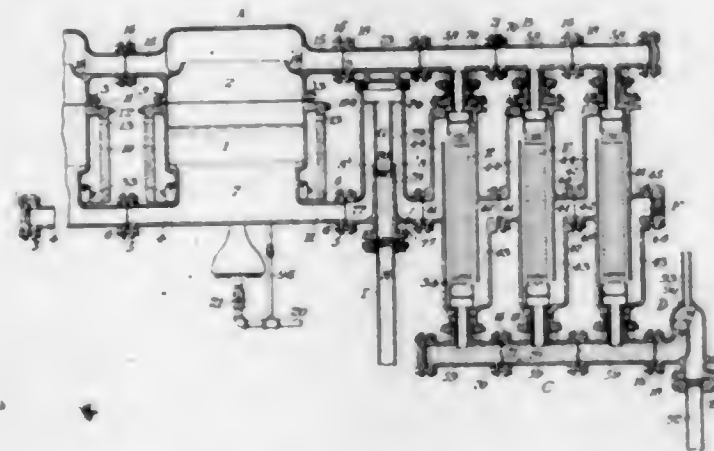
1,521,146. LATHE REST. CHARLES A. ALLEN, Grand Rapids, Mich. Filed Apr. 21, 1923. Serial No. 633,771. 1 Claim. (Cl. 144-136.)



In a rest for holding spindles steadily in a lathe when forming beads longitudinally thereon, an annularly formed body part securely mounted upon a lathe bed, said body having several bearings therein, a revoluble plate fitted to revolve in and upon said bearings, and having a central opening therethrough, a retaining plate secured to the back of the body for holding the revoluble plate in place in the body and having a central opening therethrough, the revoluble plate having a shoulder so formed that the front surface of the plate will stand flush with the front surface of the body, said projecting part of the plate having two aligned dovetailed slots extending from the central opening in opposite directions to the edges of the plate, dovetailed slides mounted in said slots, a bearing jaw mounted upon each of said slides, an arm extending from each of said jaws to the edge of the extended part of the plate, said arms having screw threaded holes therethrough, an anchoring block integral with the plate and having a laterally positioned opening therethrough, a bolt passed through said opening and anchored therein against longitudinal movement, said bolt having a right handed thread from the center to one end, and a left handed thread from the center to the

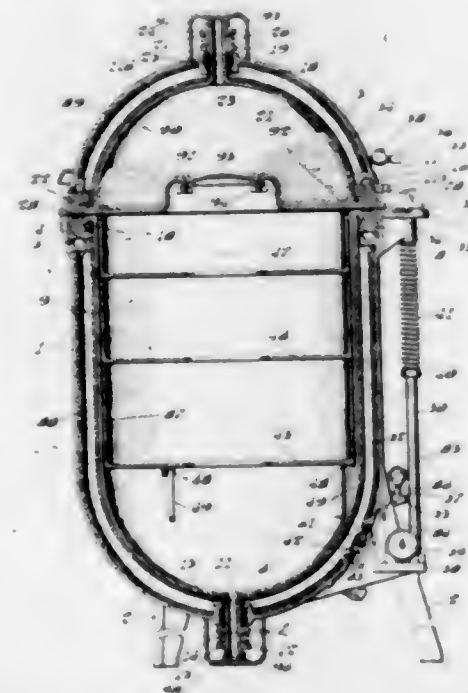
other end, and means for revolving the bolt to force the jaws towards and from each other simultaneously, and always in position to exactly center the spindle clamped between them, in the lathe.

1,521,147. EVAPORATING AND CONDENSING APPARATUS. EDWARD ODON BENJAMIN, Newark, N. J., assignor to International Oxygen Company, a Corporation of New Jersey. Filed July 18, 1919. Serial No. 311,692. 16 Claims. (Cl. 203-5.)



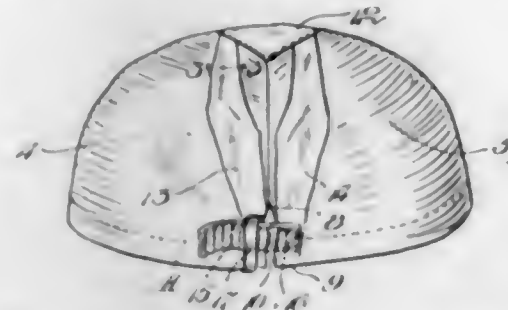
1. A system of the class described, comprising evaporating means, an upper tubular conduit for passage of vapor therefrom, a lower tubular conduit for discharge of condensed liquid, a plurality of condensing elements connected to said conduits and communicating therewith for flow of said vapor or condensed liquid downward from the upper conduit to the lower conduit in parallel relation, and a third conduit affording a path for the cooling medium to all said condensing elements in series from bottom to top in each.

1,521,148. STORAGE APPARATUS. WILLIAM H. DENNETT, Swampscott, and JOHN M. BENJAMIN, Beverly, Mass. Filed June 21, 1920. Serial No. 390,441. 9 Claims. (Cl. 220-9.)



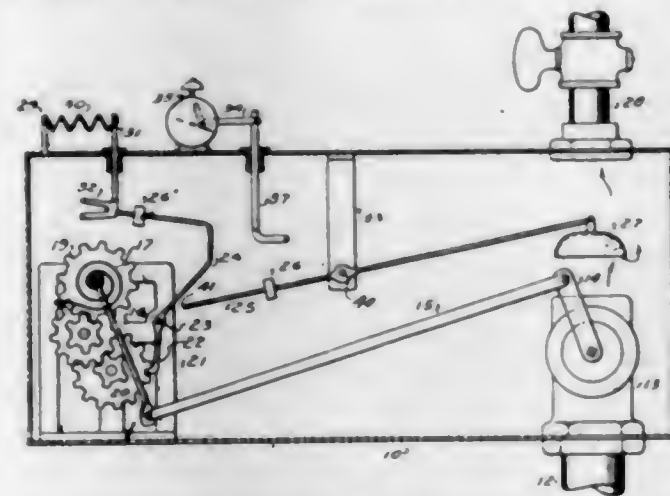
1. In a storage apparatus, a storage receptacle including a body portion and a cover portion movably mounted thereon, a portion having independent inner and outer walls spaced to furnish a vacuum chamber, a separating member interposed between the walls, and means removed from the separating member for forcing the walls into engagement therewith.

1,521,149. CAP AND THE LIKE. GIACOMO CLARIZIO, Chicago, Ill., assignor of one-half to Livingston E. Osborne, Chicago, Ill. Filed Feb. 6, 1924. Serial No. 691,014. 4 Claims. (Cl. 132-49.)



2. As a new article of manufacture, a skull cap comprising a pair of companion cloth sections joined together by a longitudinally extending seam reaching from the forehead over the top of the skull to the lower rear portion of the cap, but unconnected in the extreme lower end portion so as to leave a gore at that point, a relatively light reinforcing band around the lower border of the cap, a reinforcement plate of fabric material on the top central portion of the cap, a pair of bands reaching therefrom downwardly over the rear portion of the cap and having their lower ends firmly attached to the ends of the first mentioned band adjacent to the sides of the gore, said last mentioned bands being slightly short as compared to the dimension of the cap so as to exert a pull between the rear lower portion of the cap and the reinforcement plate, together with means for drawing the gore together, substantially as described.

1,521,150. AUTOMATIC GAS CUT-OFF. FRANK COLONNA, Brooklyn, N. Y. Filed Apr. 25, 1923. Serial No. 634,637. 2 Claims. (Cl. 67-115.)

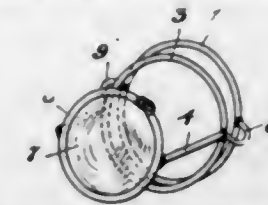


1. An automatic fluid cut-off comprising an oscillating member having one of its ends interposed in the flow of the fluid, a valve controlling the fluid supply, a mechanism for closing said valve, a pawl for holding said mechanism in position ready to close said valve, said pawl being adapted to be disengaged from said mechanism by the other end of said oscillating member when it swings to a certain position, together with a clock actuated mechanism extending within said box and adapted to engage said pawl independently of the oscillating member to disengage the pawl from the mechanism at a predetermined time.

1,521,151. WATCHMAKER'S LOUPE. WILLIAM FAUSTMANN, Brooklyn, N. Y., assignor to Hammel, Riglander & Co., New York, N. Y., a Corporation of New York. Filed Mar. 2, 1923. Serial No. 622,425. 1 Claim. (Cl. 88-41.)

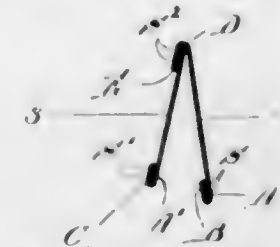
An article of the class described comprising a pair of spaced apart rings adapted to lie on opposite sides of a spectacle rim, said rings being smaller in diameter than

said rim, a lens frame located at a distance from said rings, struts secured to said lens frame and connecting said lens frame with said rings, said struts having outwardly bowed portions located between the rings and adapted to rest on the edge of the spectacle rim to hold the lens centrally located with respect to said spectacle rim.



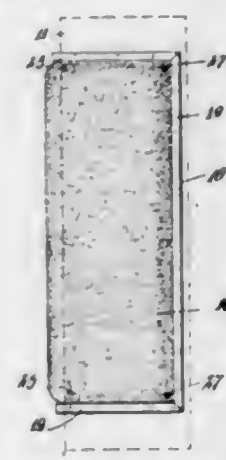
wardly bowed portions located between the rings and adapted to rest on the edge of the spectacle rim to hold the lens centrally located with respect to said spectacle rim.

1,521,152. FOLD-OVER COLLAR AND ART OF MAKING THE SAME. JOHN WILLIAM HESS, Kitchener, Ontario, Canada, assignor to Cluett, Peabody & Company, Inc., Troy, N. Y., a Corporation of New York. Filed July 2, 1921. Serial No. 482,072. 6 Claims. (Cl. 2-131.)



2. A fold over collar comprising a blank of cloth folded on itself to form a plait at the boundary between the band portion and the top portion of the collar, stiffening the same and defining the fold line of the top portion.

1,521,153. STAIR COVERING. ELIAS HYMAN, Brooklyn, N. Y. Filed June 9, 1923. Serial No. 644,319. 4 Claims. (Cl. 20-29.)



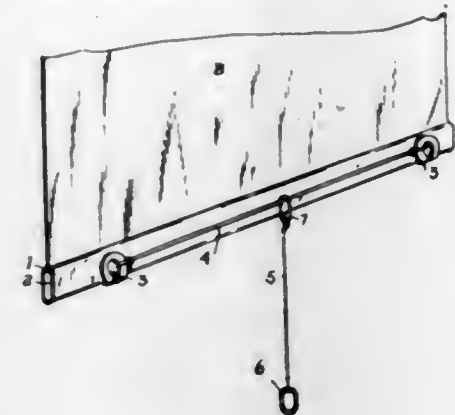
1. A stair pad comprising a metal plate, a pad proper seated thereon and comprising top and bottom elements and a filling therebetween, said top and bottom elements being stitched together along their edges and having the stitched edges folded back upon the said elements, and the edges of said metal plate being doubled over the said backwardly folded stitched edges.

1,521,154. STAIR COVERING. ELIAS HYMAN, Brooklyn, N. Y. Filed Oct. 6, 1923. Serial No. 666,893. 2 Claims. (Cl. 20-79.)



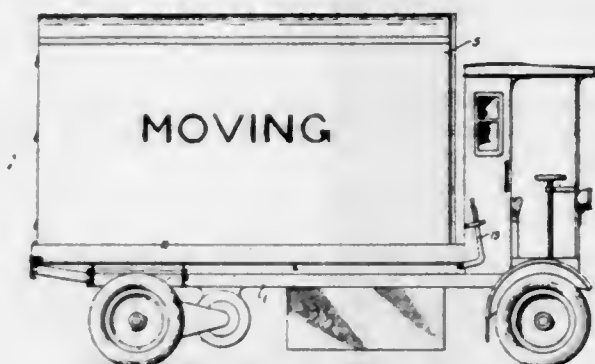
1. A stair covering element comprising a facing member, a pair of sheet members attached at their edge thereto to form a pocket between said sheet members and a stiffening member in the said pocket, one of said sheet members being attached to the facing member along a line located between opposite edges of the covering element.

1,521,155. SHADE PULL. ARTHUR S. ISAACS, Pittsburgh, Pa. Filed Nov. 1, 1922. Serial No. 598,320. 2 Claims. (Cl. 156-40.)



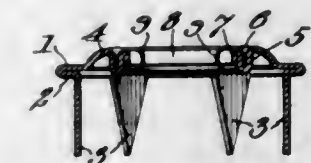
2. For use in connection with a depending spring-roller shade, a shade-pull comprising a freely depending tension member and means connecting said tension member to the bottom edge of said shade at opposite sides of the center of the shade, and means whereby the point of application of the pull automatically shifts so that the pull is always exerted in a direction normal to the roller.

1,521,156. VEHICLE BODY. EDWARD T. JENKINS, Brooklyn, N. Y. Filed June 11, 1924. Serial No. 719,309. 7 Claims. (Cl. 296-1.)



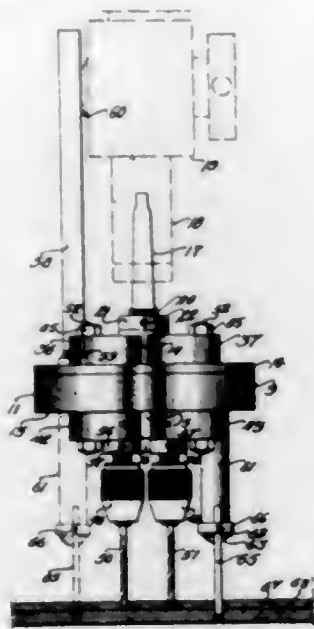
7. The sub-combination comprising a van member adapted to be optionally mounted upon a platform, swiveled caster wheels mounted on the bottom of said van body, said wheels being normally adapted to act as followers and to thereby become automatically aligned during the travel of the van along a surface by frictional contact of said wheels therewith and supplemental rollers adapted to relieve the wheels from direct weight of said van when the said van is elevated sufficiently to just raise the said wheels out of contact with an underlying platform.

1,521,157. CARPET FASTENER. GEORGE A. KING, Waterbury, and ERNEST D. SIMONS, Cheshire, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 10, 1924. Serial No. 705,656. 6 Claims. (Cl. 16-4.)



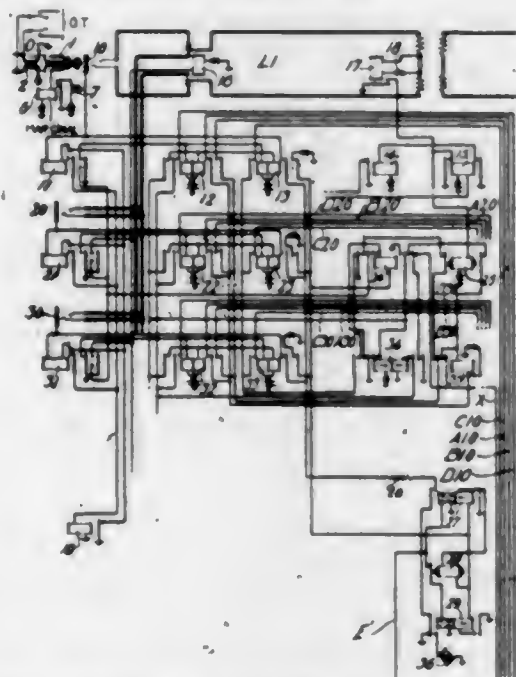
1. A socket member of a snap fastener, having a relatively extended lateral base flange provided with edge prongs and a central stud engaging opening surrounded by a series of infolded walls, the terminal wall being free and serving as the immediate stud engaging element, the whole being made in one piece.

1,521,158. DRILLING DEVICE. ROBERT KING, Philadelphia, Pa. Filed Nov. 26, 1921. Serial No. 517,999. 9 Claims. (Cl. 77-24.)



1. A drilling device comprising a slotted casing; spindles extending through the slots and carrying gears within the casing; shafts extending through the casing each carrying a gear meshing with a gear on a spindle; bearing members for each spindle, positioned upon the casing, and pivoted upon the adjacent shaft; means for locking the bearing members in their adjusted positions, and a common gear for rotating the shafts.

1,521,159. TELEPHONE SYSTEM. HUGH D. MACPHERSON, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,571. 43 Claims. (Cl. 179-50.)

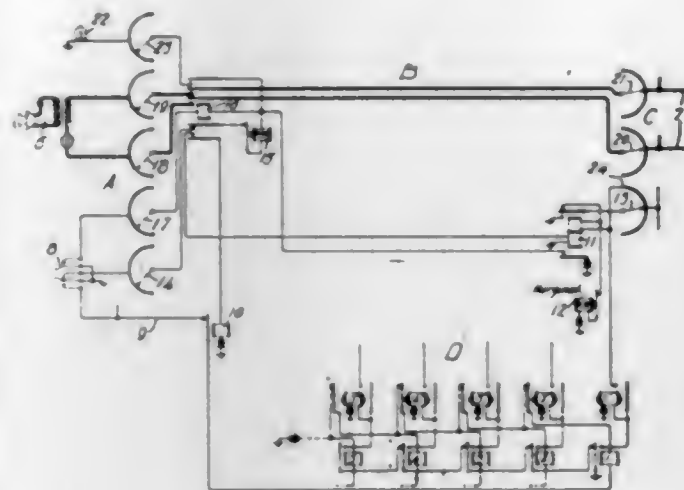


39. The method of building a sectionalized trunk which comprises transmitting a code of impulses over a path independent of the trunk and in response thereto selecting and interconnecting the trunk sections.

1,521,160. TOLL-SWITCHING SYSTEM. HUGH D. MACPHERSON, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 18, 1921. Serial No. 462,204. 13 Claims. (Cl. 179-27.)

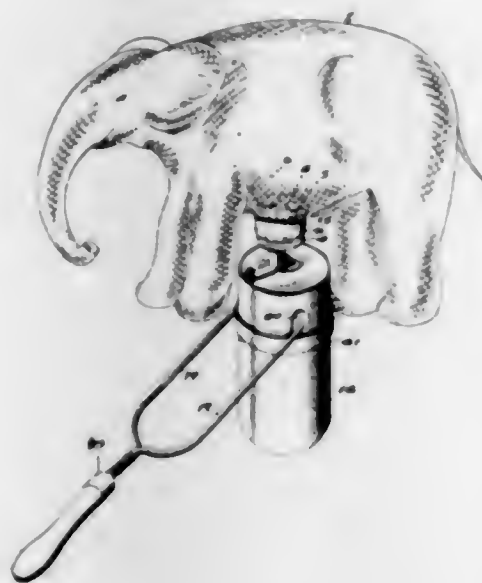
1. In a switching system, a plurality of groups of operator's positions, a plurality of call wires, a link circuit individual to each group of positions, a line finder

switch serving each group of positions and operable to connect any one of the positions in the group to said link circuit, and a second switch individual to said



link circuit and operable to preselect an idle call wire whereby an operator's position may be extended thereto through said link circuit.

1,521,161. TOY. BURNS H. MARSHALL, Detroit, Mich. Filed Mar. 1, 1924. Serial No. 696,266. 3 Claims. (Cl. 240-8.4.)

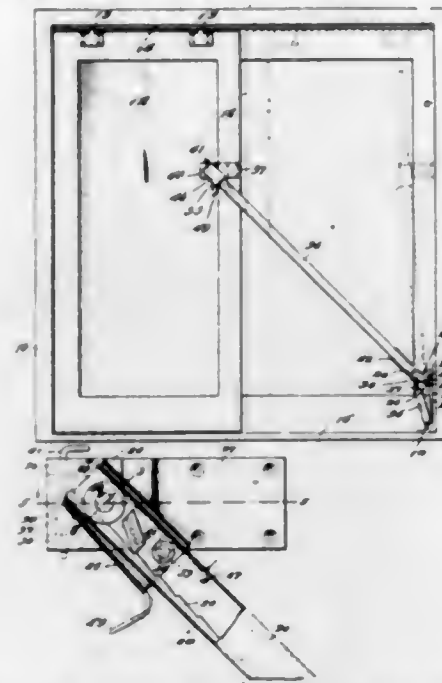


1. A toy comprising an inflatable body having an opening and being made of a translucent impervious material, a supporting body made of dielectric material and insertable in said opening, said supporting body being adapted to have a fluid tight fit with the walls of said opening, said supporting body being provided with a socket at its inner end for the reception of an electric light bulb, means carried by said supporting body extending exteriorly of the inflatable body for conducting electric current to the contacts of said socket, said supporting member also having an air passage therethrough, and an inwardly opening flap valve carried by the supporting body for controlling the flow of air through said air passage.

1,521,162. DOOR CONTROLLER. FRANCIS J. MEAGHER, New York, N. Y. Filed Oct. 26, 1923. Serial No. 670,880. 6 Claims. (Cl. 268-8.)

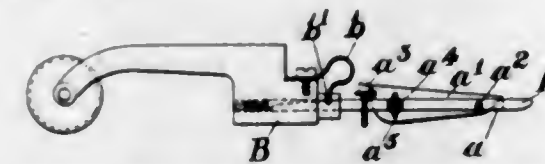
1. In a device of the character set forth, a door, a keeper pivotally mounted thereon, a pivotally-mounted

door-operating lever extended slidably through said keeper, and means entirely concealed within said keeper adjacent its pivot actuated by the gravital movement of



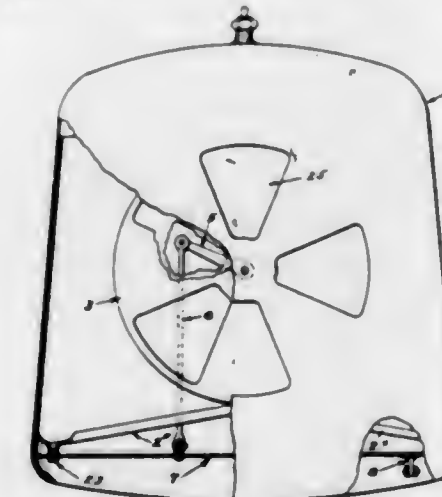
said keeper for engaging said lever and preventing re-opening of such door during the closing movement of the latter.

1,521,163. ADJUSTABLE THREAD-SELECTING DEVICE. JOHN ERNEST MOORE, Blackburn, England. Filed Apr. 18, 1924. Serial No. 707,322. 4 Claims. (Cl. 28-43.)



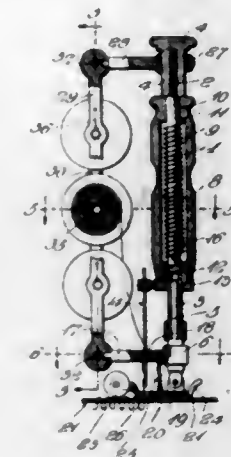
1. A thread selecting device, comprising a guide needle, a flat plate pivoted at its front end portion to the guide needle and having a pointed front end portion adapted to be adjusted so as to project above the level of one side of the guide needle, a notch being thereby formed by said needle and plate between the pivot of the plate and the point of the needle, and means for clamping the plate to the guide needle.

1,521,164. AUTOMOBILE RADIATOR ATTACHMENT. OTTO R. G. MCHLENBACH, Decatur, Ill. Filed Nov. 20, 1920. Serial No. 425,484. 7 Claims. (Cl. 257-132.)



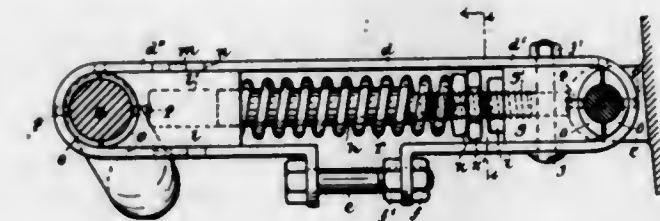
1. The combination with an automobile radiator, of a removable casing mounted in front of the same having suitable passage for air, and a deflector carried by the casing said deflector bridging said passage and interposed between the same and the radiator, for the purpose described.

1,521,165. HAND EMBROIDERY MACHINE. MANUEL HUMBERTO PEREZ, San Pedro Sula, Honduras. Filed Oct. 8, 1923. Serial No. 667,342. 5 Claims. (Cl. 112-80.)



1. A hand embroidery machine comprising a standard, a reciprocating sleeve on said standard having a bore of larger diameter than the standard and contracted at its upper end to engage the standard and provide a shoulder, a bushing fitted in the lower end of the bore and engaging the standard and provided with a needle carrying head, a cap nut engaging the upper end of the standard and forming a stop to limit the upward movement of the sleeve, a coiled spring surrounding the standard and enclosed in the sleeve between the shoulder and bushing, a presser-foot carried by the lower end of the standard and having a needle opening therein, an arm carried by the standard above said presser-foot and having an opening therein, and a needle carried by the head and movable through said openings in the arm and presser foot.

1,521,166. YIELDING PITMAN FOR LOOMS. JOSEPH E. RENNE, Paterson, N. J. Filed Aug. 18, 1923. Serial No. 658,014. 1 Claim. (Cl. 74-48.)

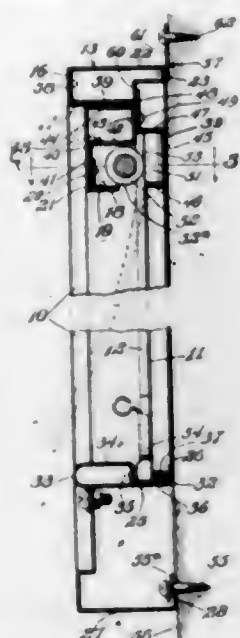


A yielding pitman including a strap having its end portions rebent to form opposite and reversed loops, removable means to connect the extremities of the strap, a bearing in one of the loops, a bearing member arranged in the other loop and slidable toward and from the end of the pitman corresponding to said loop, and means, including a spring, normally opposing movement of said member toward the other end of the pitman.

1,521,167. BULLETIN BOARD. WILLIAM C. ACHTERKIRCH, Ogilvie, and ERNEST B. MARSH, Anoka, Minn. Filed Aug. 28, 1924. Serial No. 734,718. 8 Claims. (Cl. 40-125.)

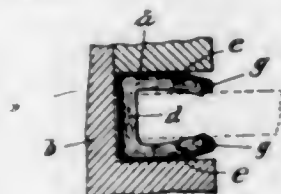
1. In a bulletin board, a frame including upper and lower frame members and a back therefor, the back having at its upper and lower ends rearwardly directed flanges, the lower frame member having a portion beneath which the flange at the lower end of the back engages to prevent upward movement of the back, means carried by the lower frame member for preventing disengagement of said flange from beneath said portion, a cage engaged with the upper frame member and removable therefrom upon a predetermined movement thereof

with relation to the upper frame member and having a portion engaging beneath the flange at the upper end of the back member to prevent downward movement



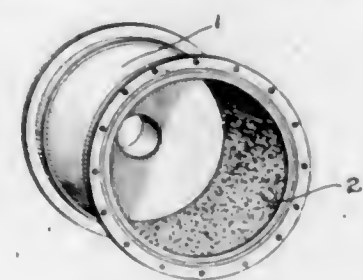
of the back member, and brackets removably engaged with said upper frame member for supporting the bulletin board preventing such predetermined movement of the cage with relation to the upper frame member.

1,521,168. WINDOW GUIDE. EDWIN W. M. BAILEY, Amesbury, Mass. Filed May 13, 1924. Serial No. 713,038. 6 Claims. (Cl. 296-44.5.)



1. A window guide comprising a U-shaped metal channel adapted to receive a lining of cushioning material and having a series of pointed tongues formed from each side thereof arranged to extend inwardly therefrom towards the bottom of the channel, to penetrate the lining and hold it against outward and longitudinal movement.

1,521,169. LINING FOR BALL MILLS. WILLIAM MATTHEW BARKER, Canton, Ohio. Filed Jan. 7, 1924. Serial No. 684,911. 2 Claims. (Cl. 83-9.)

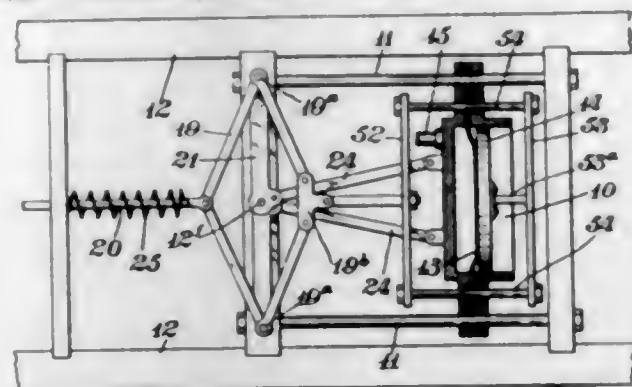


1. In a rotary grinding mill, the combination with the rigid shell and the tumbling grinding members therein, of a lining for the shell formed from a material applied while in a plastic condition to the inner surface of the shell so as to form a single piece wearing surface, the said material after it has set being self-cemented in place and resilient in use.

1,521,170. AIR BRAKE. DELLNO BERGER, Madison Township, Franklin County, Ohio. Filed Nov. 22, 1920. Serial No. 425,845. 3 Claims. (Cl. 188-151.)

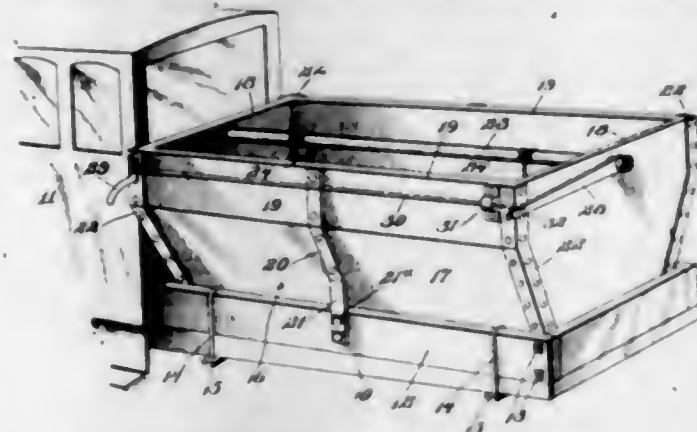
1. In an air brake mechanism, the combination with a fixed frame and a brake rigging, of a brake cylinder

sliding on said frame, a piston sliding in said cylinder, a toggle member pivoted on the fixed frame and con-



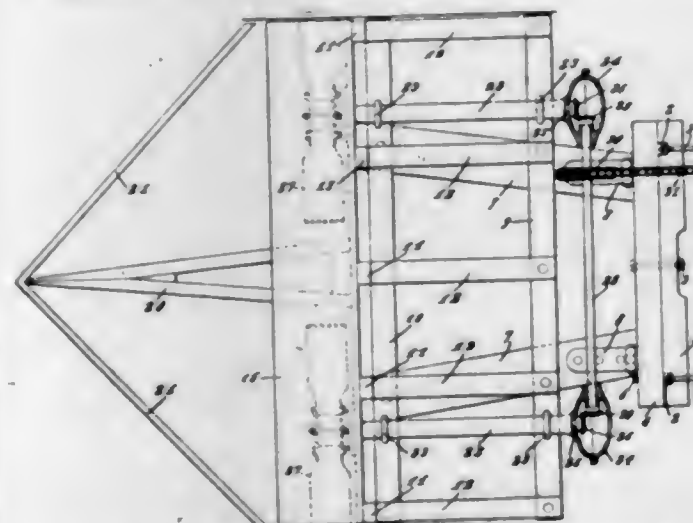
nected with and operated by the piston and means actuated by the toggle to move the cylinder in a direction coinciding with the movement of the piston.

1,521,171. DUMPING BODY. CLIFFORD H. RICKLUND and JOHN P. JOHNSON, Fergus Falls, Minn. Filed May 13, 1924. Serial No. 713,054. 3 Claims. (Cl. 298-35.)



1. In a dumping body for vehicles and in combination with the chassis frame of a vehicle, a supplemental frame adapted to be superimposed upon the chassis frame and secured thereto, a body structure of the same length as the interior length of the supplemental frame, said body structure being wider at its upper end than the supplemental frame and narrower at its bottom than said frame whereby the body may be inserted into the supplemental frame whereby the body may be inserted into the supplemental frame, means connecting the supplemental frame and body for maintaining the body against shifting movement within the supplemental frame, a dumping bottom for said body carried by the body, means for supporting said dumping body in closed position, and means for releasing the last named means carried by the body and operable from the forward end thereof.

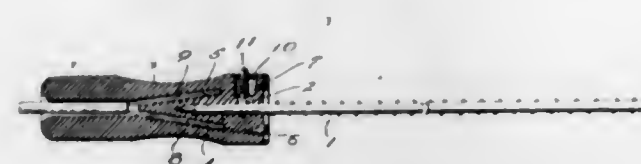
1,521,172. SNOWPLOW. JOHN R. BUTTWEILER, Freeport, Minn. Filed Jan. 9, 1923. Serial No. 611,628. 2 Claims. (Cl. 37-41.)



1. A device of the class described, comprising a support; a carrier mounted on the support for tilting movement on an axis parallel to the line of advance; a frame

hinged to the carrier for vertical swinging movement; rotary deflectors journaled on the frame; and a plow carried by the frame and located between the deflectors.

1,521,173. ELECTROMAGNETIC TOOL. ROY WEBER CATCHING, Roseburg, Oreg. Filed Mar. 12, 1921. Serial No. 451,833. 8 Claims. (Cl. 175-367.)

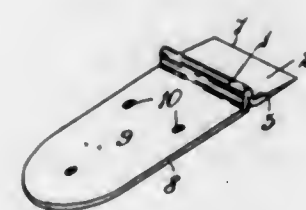


6. A portable electro-magnet for the purpose described comprising a slender pliable electro-magnet adapted to be readily bent to any desired form; a handle connected to one end of said magnet; and electrical conductors passing through said handle and electrically connected with the terminals of the magnet coils, and adapted to be connected with a source of electricity.

1,521,174. COMPOSITION MATERIAL. WILLIAM W. CHRISTMAS, Ridgedale Park, N. J., assignor, by direct and mesne assignments, to Arista Manufacturing Company, a Corporation of Delaware. Filed Feb. 21, 1923. Serial No. 620,504. 1 Claim. (Cl. 106-38.)

A composition resulting from the combination of comminuted wood, 4 to 5 parts, water, 3 parts, and 1 part of prepared casein glue consisting of powdered casein mixed with about ten per cent of powdered hydrated lime and enough water to produce a glue.

1,521,175. ABUTMENT DEVICE FOR THE HEELS OF FOOTWEAR. CHARLES WESTMORE ELLIS, Haberfield, near Sydney, New South Wales, Australia. Filed Apr. 14, 1920. Serial No. 373,842. 1 Claim. (Cl. 36-76.)

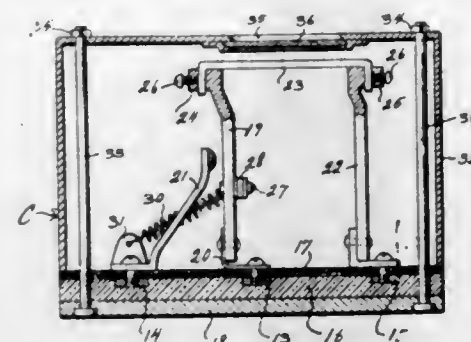


An improved abutment device for the heels of footwear comprising a plate having a transverse rib near one end extending across the full width of the plate and arranged to abut the breast of the heel, said end of said plate being sharpened for insertion into a heel and the opposite end portion of the plate being perforated to receive nails or the like whereby it may be secured to the waist of a boot or shoe, the said rib forming a doubled and folded portion of the plate.

1,521,176. CUT-OUT. NEAL W. FRANK, Vinita, Okla., assignor of one-third to Thomas C. Collins and one-third to T. D. Cox, both of Vinita, Okla. Filed June 7, 1922. Serial No. 566,502. 1 Claim. (Cl. 200-117.)

A cut out for use in starting and lighting systems of automotive vehicles comprising an insulating base, a member rigidly secured to the base and extending upwardly therefrom, a second member pivoted to the base and extending upwardly therefrom and in spaced relation to the first named member, a third member extending upwardly from the base and rigid to the base and arranged at that side of the second member remote from the first named member, a spring connecting the

second named member and the third named member and urging the second named member into engagement with the third member and a fusible link connecting the upper



link of the first and second named members and maintaining the second named member separated from the third member.

1,521,177. ELECTRICALLY-ILLUMINATED SIGN. JOHN FRITS and CHARLES B. ENNBORN, Chicago, Ill., assignors to Thos. Cusack Company, Chicago, Ill., a Corporation of New Jersey. Filed May 4, 1923. Serial No. 636,547. 4 Claims. (Cl. 40-133.)



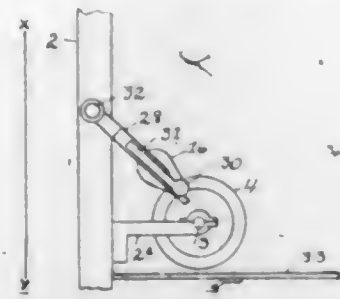
2. A sign structure comprising, in combination with a sign casing wall having an elongated rectangular opening therein adapted to receive a plurality of sign character members, division bars extending transversely of said opening and dividing the same into a plurality of spaces, one for each sign character member, each division bar comprising a channel member having a web extending parallel with the sign casing wall and having two flanges arranged at an angle to said web, the lateral margins of each sign character member overlapping the web portion of said channel member of the division bar and having flanges extending parallel with the flanges of said division bars, and means on the casing wall at the top and bottom edges of said elongated opening to removably hold said plates in position.

1,521,178. SPARK-PLUG-AMPLIFYING MEANS. FRED FRIGONA, Pittsburgh, Pa., assignor of one-half to James N. McGrath, Jr., of Pittsburgh, Pa. Filed Feb. 14, 1920. Serial No. 358,739. 1 Claim. (Cl. 250-41.)



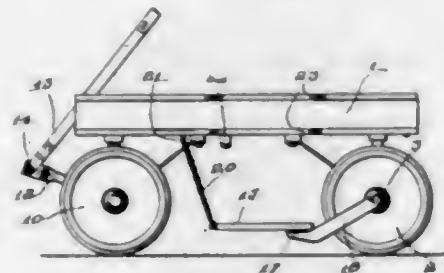
An amplifier for ignition systems comprising a pair of concentric cylinders, the inner cylinder being open at both ends, an annulus bridging one end of the space between the cylinders and electrically connecting the cylinders, a second pair of similar concentric cylinders alternating with the first pair of cylinders, an annulus bridging the space between said second cylinders and electrically connecting the cylinders at the ends opposite the first-mentioned annulus, insulation filling all the cylinders, a disk fitted against each annulus, and connectors carried by the disks and penetrating the central portion of the insulation to secure all the parts together.

1,521,179. MEANS FOR SPOOLING YARNS. ISRAEL GARON, Duluth, Minn. Filed May 5, 1919. Serial No. 294,689. 2 Claims. (Cl. 242-18.)



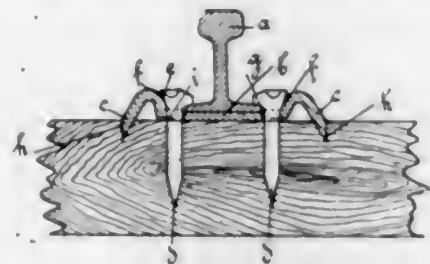
1. In a spooling machine, the combination with a suitable support, of a yoke journaled upon said support, springs mounted upon the arms of said yoke, journal bearings supported by said springs, a spindle journaled in said bearings, a spool mounted upon said spindle, and a friction drum for rotating said spool.

1,521,180. VEHICLE FOR CHILDREN. JOHN HEDERLING, Rochester, N. Y. Filed Apr. 2, 1923. Serial No. 629,247. 9 Claims. (Cl. 280-87.5.)



1. In a vehicle for children, the combination with a box-like body, rear wheels supporting the body, steerable front wheels for the body and a steering member connected to the front wheels, of a step, and means for supporting the step beyond one side of and below the box-like body between the front wheel and the rear wheel on said side, said means being connected to the axle of the adjacent rear wheel.

1,521,181. RAIL PLATE. RUDOLF HÖING, Essen, Germany. Filed Aug. 24, 1921. Serial No. 494,889. 3 Claims. (Cl. 238-298.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)

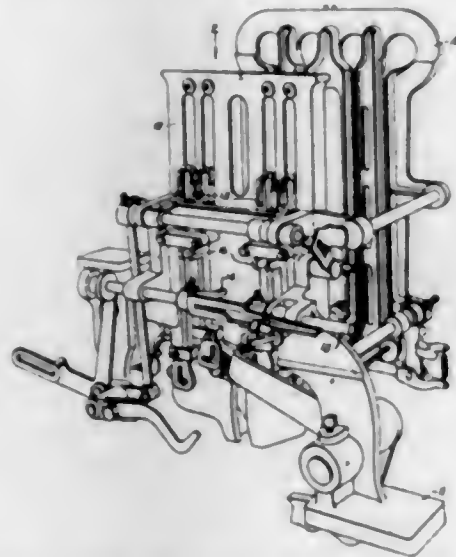


1. A sheet metal tie plate for railways comprising a flat middle portion, two lateral portions bent into V-shape adjoining said middle portion and a spike hole on either side of said middle portion close to each lateral portion.

1,521,182. WEFT-REPLENISHING MECHANISM. LOUIE F. HOFFMAN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 11, 1924. Serial No. 691,959. 6 Claims. (Cl. 130-245.)

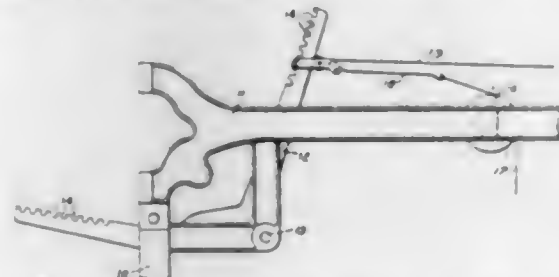
1. In a weft replenishing mechanism for looms, a vertically movable slide under control of the replenishing mechanism, a guideway for the bobbins, a plate forming an end wall for said guideway, means to guide said

plate toward and from the bobbins in a direction substantially parallel to the axes of the bobbins, yielding means to hold said plate against the bobbins, an offset



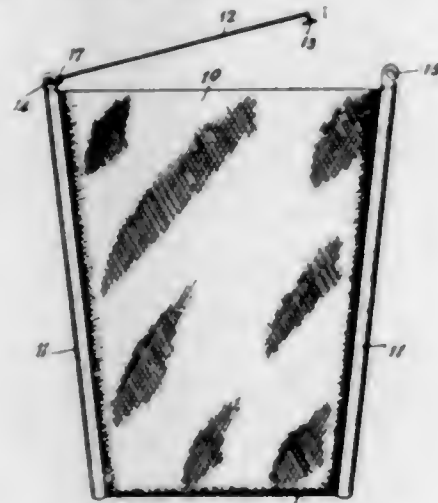
arm integral with the plate having a cam slot formed therein, and means carried by said slide to enter said slot and withdraw said plate from the bobbins against the action of said yielding means.

1,521,183. JACK EYE FOR HARNESS LEVERS. EDWIN R. HOLMES and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 9, 1923. Serial No. 673,759. 1 Claim. (Cl. 139-84.)



In a jack eye for harness levers, a pair of spaced substantially parallel side members riveted together, a tongue struck from one of said members and extending toward the other and a lock pivoted on the tongue and between the side members for engagement with the harness lever.

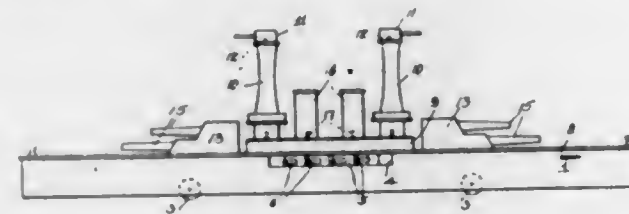
1,521,184. WATER BAG. ABNER L. HOLTON, Big Stone Gap, Va. Filed Feb. 23, 1923. Serial No. 620,578. 4 Claims. (Cl. 150-48.)



1. A flexible water bag comprising a flexible body portion provided with rigid upright pieces diametrically opposed to each other and a handle portion detachable at

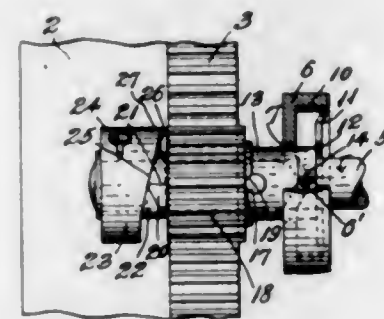
one end from the end of one of the said upright pieces, said handle portion when in operative position providing a rigid connection between the said upright pieces at their upper ends, thereby preventing inward collapsing of said ends.

1,521,185. TOY BOAT. RAYMOND E. HUNT, Lakewood, Ohio. Filed Dec. 24, 1920. Serial No. 432,920. 1 Claim. (Cl. 46-40.)



In a combined toy land and water boat, a combination of a buoyant hull of dry wood of even density and thus of substantially uniform specific gravity throughout, a superstructure mounted centrally on said hull of limited lateral extent as compared with said hull, movable elements of irregular configuration comprised in said superstructure counterbalanced so as to at all times present equal amounts of weight along the median line of said hull, and rollers symmetrically disposed with respect to said median line so that said boat will be of relatively stable equilibrium whether used as an aquatic or as a land toy.

1,521,186. MOTOR-STARTING MECHANISM. STEPHEN JENCICK, Cleveland, Ohio, assignor to Prosper L. Schanze, Cleveland, Ohio. Filed Feb. 14, 1916. Serial No. 78,231. 22 Claims. (Cl. 74-7.)

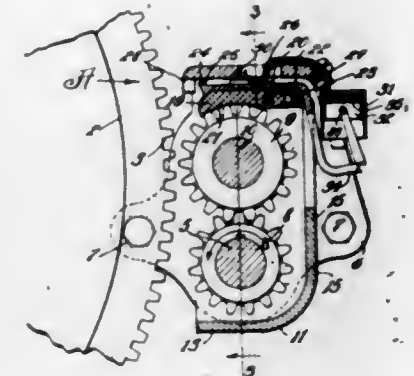


1. In a starting device for internal combustion motors, a motor, a starting gear carried thereby, a starting motor having a shaft, driving pinion for the motor starting gear normally assuming a position in driving alignment therewith, a bearing member between the pinion and the starting motor shaft adapted to support the pinion in idle position, means to move the pinion into mesh with the motor starting gear and to move it out of mesh therewith and into normal idle position, and means between the starting motor shaft and the pinion whereby the latter is driven by the former.

1,521,187. INTERNAL-COMBUSTION-MOTOR-STARTING APPARATUS. STEPHEN JENCICK, Cleveland, Ohio, assignor to Gustavus A. Schanze, Cleveland, Ohio; P. L. Schanze administrator of said G. A. Schanze, deceased. Filed Feb. 10, 1919. Serial No. 275,983. 11 Claims. (Cl. 74-7.)

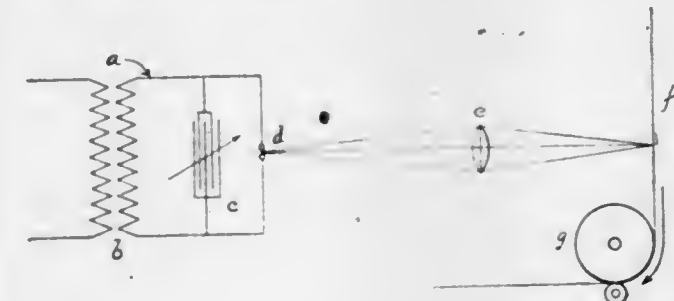
1. Starting mechanism for internal combustion motors, comprising a gear adapted to be driven by the motor, a starting shaft carrying a primary driving pinion, an intermediate pinion driven thereby and having planetary movement about the same into and out of mesh with said gear, means for retarding rotation of said

intermediate pinion about its own axis to cause planetary movement thereof into meshing relation with said gear, and means for causing the release of said retarding



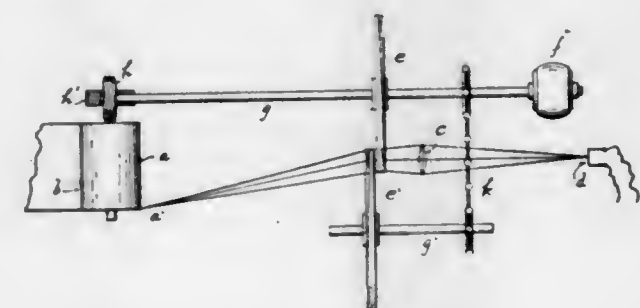
means so as to permit free rotation of said intermediate pinion about its own axis upon being brought into mesh with said gear.

1,521,188. PHOTOGRAPHING OSCILLATING SPARKS. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Radio Pictures Corporation, Washington, D. C., a Corporation. Filed Aug. 30, 1922. Serial No. 585,317. 5 Claims. (Cl. 178-7.)



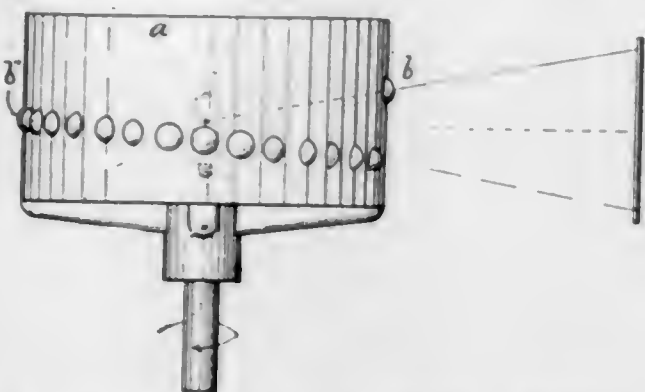
1. An oscillating electrical circuit, a spark gap therein, a light sensitive surface, and means for exposing sparks crossing said gap upon a light sensitive surface whereby fluctuations in the current strength varies the number of sparks passing the gap in unit time.

1,521,189. FILM RECEPTION OF BROADCASTED PICTURES. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Radio Pictures Corporation, Washington, D. C., a Corporation. Filed Aug. 30, 1922. Serial No. 585,319. 4 Claims. (Cl. 178-7.)



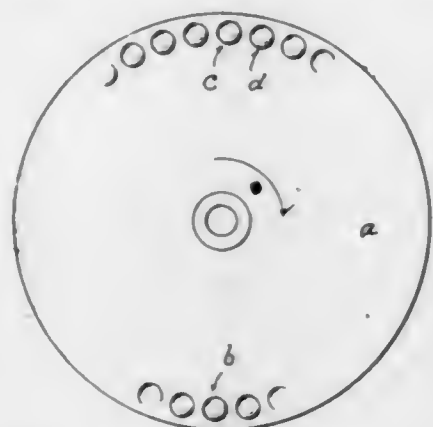
1. In radio-pictures apparatus, the combination of a constantly moving picture, a light sensitive cell located in front thereof, and a constantly-changing angle prism between them for causing one end of a pencil of light to sweep laterally across the picture surface, the other end of the pencil of light constantly falling on the light sensitive cell.

1,521,190. DRUM LENS CARRIER. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Radio Pictures Corporation, Washington, D. C., a Corporation. Filed Sept. 11, 1922. Serial No. 587,520. 4 Claims. (Cl. 178-7.)



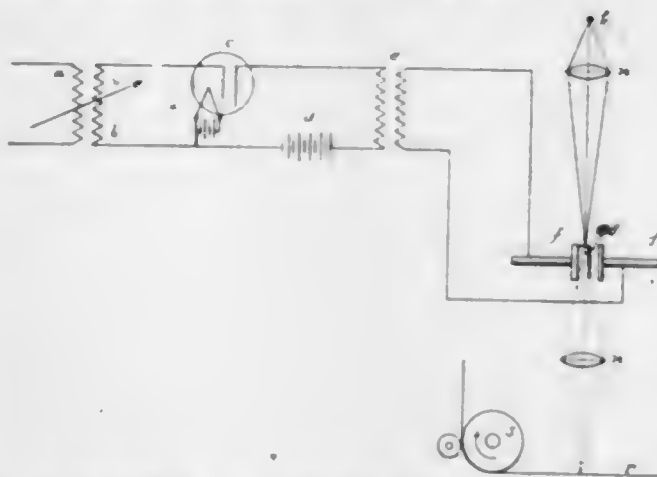
1. A rotating carrier having mounted thereon a plurality of similar optical elements each situated at a different distance from a given plane of rotation.

1,521,191. PRISM-LENS DISK. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Radio Pictures Corporation, Washington, D. C., a Corporation. Filed Sept. 11, 1922. Serial No. 587,522. 4 Claims. (Cl. 178-7.)



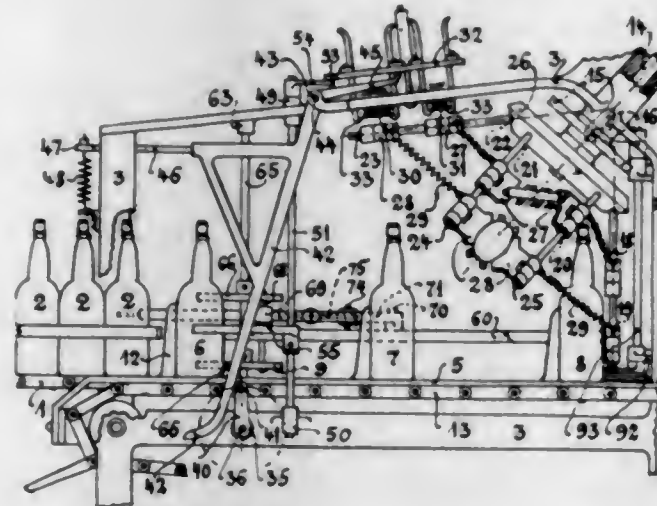
1. In apparatus of the class described, a rotating carrier having peripherally mounted thereon a plurality of prism-faced lenses, each prism of the prism lens element, in succession upon the carrier, having a different angle from the adjacent prism of the prism-lens element.

1,521,192. ELECTROSCOPE PICTURE RECEPTION. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Radio Pictures Corporation, Washington, D. C., a Corporation. Filed Sept. 11, 1922. Serial No. 587,523. 4 Claims. (Cl. 178-7.)



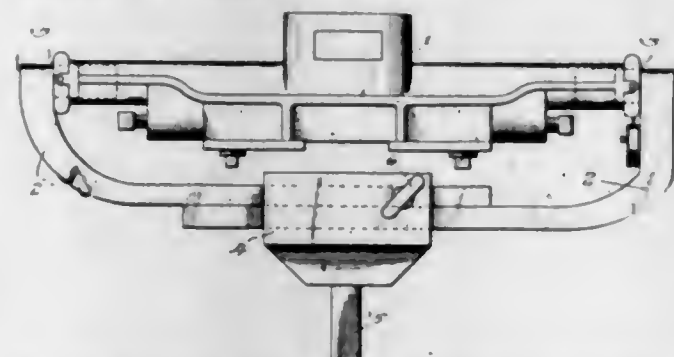
1. In devices of the character described, a source of light, an electrostatically charged oscillating member so located as to intercept light from said source, the oscillation of the light intercepting member resulting from the member being electrically charged.

1,521,193. LABEL-APPLYING MACHINE. ANDREAS JENSEN, Copenhagen, and CHRISTIAN A. CHRISTENSEN, Frederiksberg, Denmark. Filed Dec. 30, 1922. Serial No. 609,994. 6 Claims. (Cl. 216-54.)



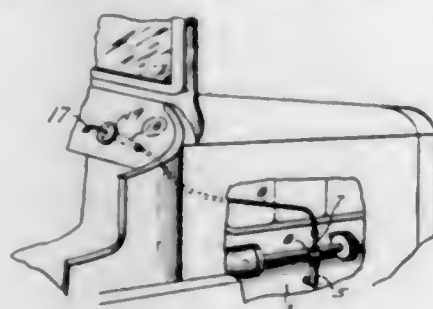
1. In a label applying machine; a label holder, a pick-up device adapted to move into a position to receive a label from said holder, a lock device normally holding said holder in retracted position, means operated by an article advancing to label applying position for releasing said lock device, means permitting said holder to deliver a label to said pick-up, and means for moving said pick-up into the path of said advancing article.

1,521,194. DIE-STOCK ATTACHMENT. PERCY JOHNSON, Beaumont, Tex. Filed Sept. 19, 1922. Serial No. 589,205. 4 Claims. (Cl. 10-123.)



4. The die-stock attachment comprising adjustably related arms provided at one end with means for connection with a part of a die-stock, a clamp receiving and holding the arms in their adjustment, and means projecting from the clamp for connection with a source of power to rotate the attachment.

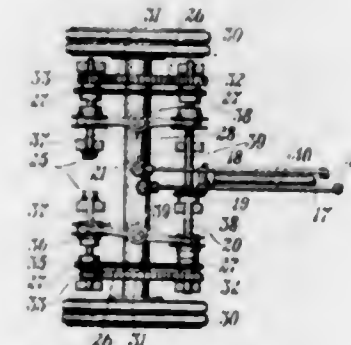
1,521,195. LIQUID-LEVEL INDICATOR. RAYMOND E. JOHNSON, Los Angeles, Calif., assignor to Louis A. Coffey, Los Angeles, Calif. Filed Oct. 27, 1921. Serial No. 510,804. 5 Claims. (Cl. 73-120.)



1. A device of the character described comprising a chamber adapted near its lower end for communication with a container holding liquid, a piston slidably mounted in the chamber so that when moved from the lower limit of its travel it will shut off communication be-

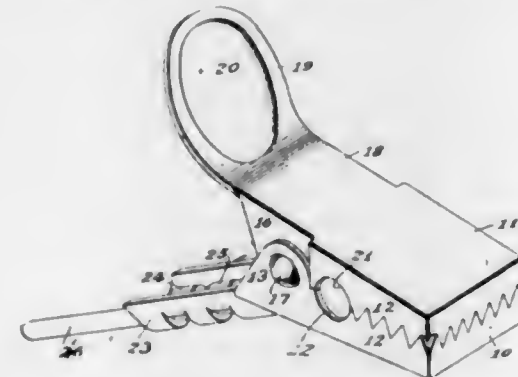
tween the liquid above it and that in said container and thereby trap such liquid in said chamber, a piston rod connected to said piston and extending through an opening in the head of said chamber, there being a space between said piston rod and the wall of said opening to allow free escape of gas but to impede the escape of liquid, and means associated with said piston rod to indicate the position of the piston.

1,521,196. POWER-DRIVEN TRUCK. LEON KORNELOW, Marthasburg, N. Y. Filed Aug. 21, 1923. Serial No. 658,508. 2 Claims. (Cl. 180-70.)



1. In a motor truck, a pair of rear wheels, an axle on which said wheels are fixed, a pair of gears of different diameters fixed on said axle one at each end thereof a pair of pinions located in front of said axle and meshing with the said gears, a motor, a pair of transverse shafts extending at the rear of said axle, pinions on said rear shafts meshing with the gears on the axle, drive connections between the motor and all of said pinions, clutch elements fixed to said pinions, and clutch elements on said drive connections adapted to engage said first named clutch elements.

1,521,197. CLASP FOR ELECTRICAL CONDUCTORS. EARLE B. LEWIS, Waterbury, Conn. Filed Aug. 27, 1923. Serial No. 659,465. 3 Claims. (Cl. 173-273.)

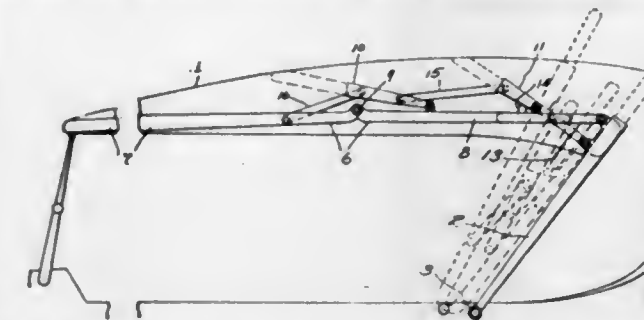


3. In a clasp for electrically connecting a conducting wire to a conductor, a pair of spring-pressed pivoted jaws adapted to clamp said conductor, one of said jaws having an outwardly extending finger-engaging arm, and the other of said jaws having an outwardly extending tubular arm for holding and locking said conducting wire, said jaws being provided with intermeshing serrated edges, and recesses in the adjacent edges of said jaws to form an aperture for permitting the insertion of a conductor between said jaws, prior to the opening of said jaws.

1,521,198. TOP FOR VEHICLES AND THE LIKE. FRED K. LEWIS, Ashtabula, Ohio. Filed Feb. 1, 1922. Serial No. 533,431. 4 Claims. (Cl. 296-116.)

1. In a top for vehicles and the like, the combination of a main bow; a two-part articulated auxiliary bow adapted to have its two sections in substantially horizontal alignment when in open position, and having its rear portion pivotally attached to said main bow; a supplemental bow pivotally attached to the rear portion

of such auxiliary bow and having an extension; a link connecting such extension with said main bow below the point of attachment of said auxiliary bow thereto; means adapted to prevent further bending of the joint between such extension and said link in the open position of the top; a second supplemental bow pivotally attached to the rear portion of said auxiliary bow forward-



ly of said first-named supplemental bow; and two links, one connecting said supplemental bows and the other connecting said second supplemental bow with said auxiliary bow and the point of attachment of said second link to said second supplemental bow lying above the point of attachment of said first link thereto, whereby said bows may be brought into substantially parallel relation when the top is folded.

1,521,199. CONDUCTOR SUPPORT. SAMUEL S. MATTHEWS, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Feb. 29, 1924. Serial No. 695,914. 7 Claims. (Cl. 191-43.)

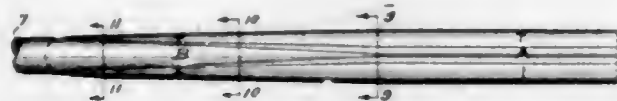


1. A conductor support comprising in combination, a support member and a longitudinally disposed member secured to the support member, the longitudinal member comprising oppositely disposed and depending lips forming a groove therebetween to receive the conductor and to be gripped by the lips when bent over, the width of the longitudinal member being substantially uniform throughout its length, the lips substantially meeting for a distance each side of the center line when bent around the conductor and the adjacent edge of the lips for said distance being of substantial thickness, the lips gradually decreasing in height toward each end of the longitudinal member from the point where the lips cease to substantially meet and the outer surface of the lips from said point and along and adjacent the lower edge gradually tapering to a substantial knife edge at the extreme end thereby forming a gradual approach for a current collector from the conductor into the section where the lips substantially meet and vice versa.

1,521,200. CONDUCTOR SUPPORT. SAMUEL S. MATTHEWS, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 30, 1924. Serial No. 740,718. 8 Claims. (Cl. 191-43.)

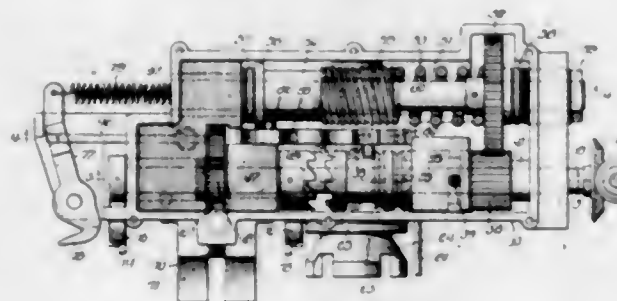
3. A conductor support comprising in combination, a supporting member and a longitudinally disposed member secured thereto and provided with oppositely disposed lips forming a groove to receive and hold a con-

ductor when the lips are bent thereabout, the longitudinal member comprising three sections, namely: a central section and two end sections, the lips of the central section of uniform height and thickness throughout the



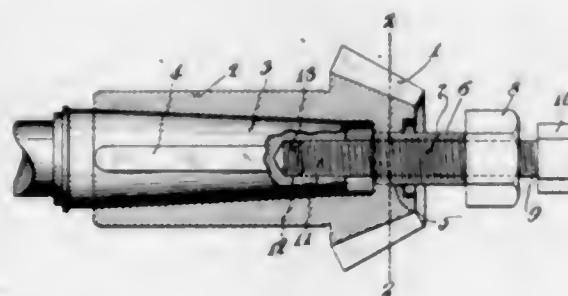
length of the section and gradually decreasing in thickness and height from the ends of the central section to the ends of the longitudinal member to form a reduced depth of groove and a substantially knife edge of the lips at the extreme ends of the longitudinal sections.

1,521,201. BOX-STRAPPING MACHINE. WILLIAM G. MUELLER, Chicago, Ill., assignor, by mesne assignments, to Alec J. Gerrard, Cicero, Ill. Filed July 15, 1921. Serial No. 484,889. 16 Claims. (Cl. 140-93.)



1. In a machine of the character described, the combination with wire tensioning mechanism, and wire twisting mechanism, of a drive shaft, and power transmitting means connected to said drive shaft and adapted to slidably move into operative engagement alternately with said tensioning mechanism and said twisting mechanism.

1,521,202. PULLER DEVICE. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 15, 1919. Serial No. 344,967. 17 Claims. (Cl. 29-85.)

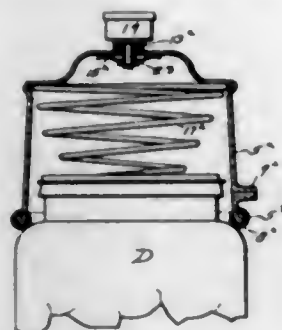


1. In a pulled device, a plurality of coaxially disposed threadedly interengaged members, the outer one of which is adapted to move relative to the other during operation of the device and which has external threads of a greater lead than the threads between said members.

1,521,203. SEALING DEVICE. BERNARD F. ROENIGG, San Francisco, Calif. Filed Apr. 13, 1922. Serial No. 552,429. 3 Claims. (Cl. 226-82.)

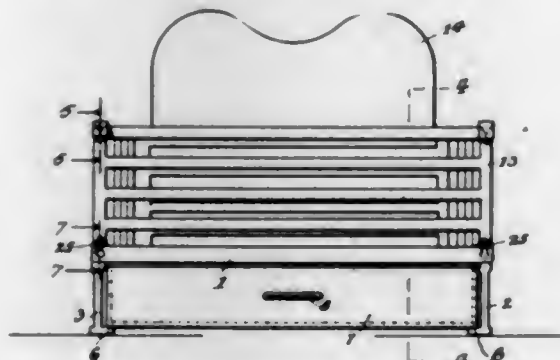
1. The combination with a freely liftable hand vacuum cap of the character described having a port formed therein constituting a seat for a valve, of a valve co-acting with said port and a vacuum gauge combined with said valve and having communication with the

interior of said cap through said valve, said gauge and valve being bodily movable together with respect to the said valve seat, whereby air may be admitted to the



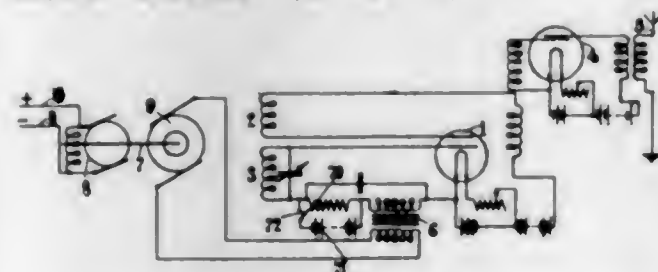
interior of the vacuum cap by bodily movement of the valve and the degree of vacuum in said cap may be indicated upon the gauge through the said valve.

1,521,204. GRATE. MILTON W. ROLLINGS, Hendersonville, N. C. Filed Dec. 11, 1922. Serial No. 606,111. 2 Claims. (Cl. 126-164.)



1. In a device of the class described, a frame, supporting legs therefor, a grate supported on said frame, an ash pan supported below said grate, a fender removably supported on said frame comprising front and rear sections, and end sections, lugs extending outwardly from the lower ends of said end sections and adapted to be seated in recesses provided in the upper portion of said frame, said lugs being further adapted to cooperate with openings formed in the lower ends of said front and rear sections respectively to prevent the outward movement of the latter sections, and locking means associated with the upper portions of said end sections and said front and rear sections respectively for preventing the outward movement of said end sections.

1,521,205. SYNCHRONIZING ROTATING BODIES. WILLIAM S. STEPHENSON and GEORGE W. WALTON, London, England. Filed Mar. 24, 1924. Serial No. 701,616. 8 Claims. (Cl. 250-2.)



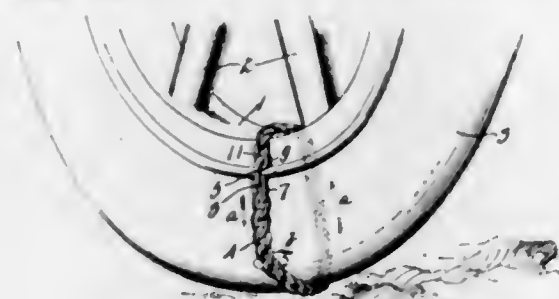
1. A system for maintaining in synchronous movement two spaced movable members of an apparatus of a type adapted for use in the representation of pictures at a distance, television or like transmission of intelligence, one of said members being a transmitting member and the second of said members being a receiving member, comprising in combination a transmitter and receiver of undamped electro-magnetic waves, a machine for generating low frequency alternating currents driven

in synchronism with one of said members and coupled to said transmitter of undamped waves so as to modulate the wave transmitted, a filter circuit connected to said receiver of undamped waves so as to filter out the alternating current received due to the low frequency modulation, an alternating current motor connected to said receiver to be controlled by the alternating current filtered out and mechanically connected to drive said second member.

1,521,206. MONAZO DYES CONTAINING TWO HYDROXYNAPHTHALENE NUCLEI. FRITZ STRAUB, Basel, and HERMANN SCHNEIDER, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Mar. 31, 1924. Serial No. 703,250. 10 Claims. (Cl. 260-88.)

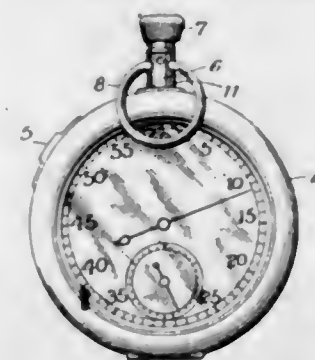
1. As a new process the herein described manufacture of new dyestuffs, consisting in treating with a water-soluble sulfide the dyestuffs obtained by coupling the nitrated diazo-compound of 1-amino-2-hydroxynaphthalene-4-sulphonic acid with a naphthol.

1,521,207. ANTISKIDDING CHAIN FOR AUTO WHEELS. ELISHA G. THOMAS, Washington, D. C., assignor to Joseph F. Herman, Washington, D. C. Filed Apr. 24, 1919. Serial No. 292,350. 2 Claims. (Cl. 152-14.)



1. An anti-skidding device for wheels comprising a single chain length forming a single loop, fitting entirely around the wheel tire and rim and automatically movable in its lengthwise direction and bodily turnable about the longitudinal axes of the respective links, substantially as set forth.

1,521,208. SAFETY ATTACHMENT FOR STOP WATCHES. HARRY E. VON KERSBURG, New York, N. Y., assignor to R. H. Macy & Co., Inc., New York, N. Y., a Corporation of New York. Filed May 18, 1923. Serial No. 639,931. 3 Claims. (Cl. 58-74.)

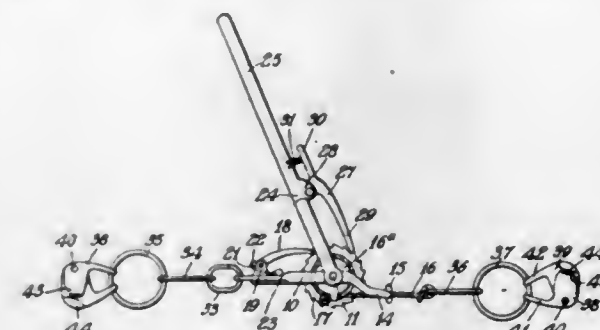


1. A stop watch having a winding and resetting stem provided with an aperture, and a pivotally mounted member adapted to engage within the aperture to prevent accidental resetting operation of the stem, substantially as set forth.

1,521,209. WIRE STRETCHER. JOSEPH R. WARNER, Thomaston, Conn. Filed May 17, 1923. Serial No. 639,476. 2 Claims. (Cl. 254-164.)

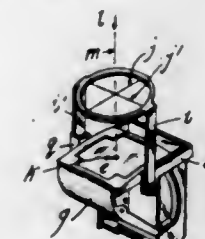
1. In a wire stretcher, a rectangular frame having one end depressed from the remainder of said frame, said depressed end having a pair of enlarged, cord-guiding

eyes, a winding drum pivotally mounted in said frame, a ratchet wheel secured to said drum, an operating arm pivoted on said frame upon the same axis as said drum, said operating arm having a pawl lever adapted to intermittently engage the teeth of said ratchet wheel, a spring-pressed pawl pivotally secured to said frame, and



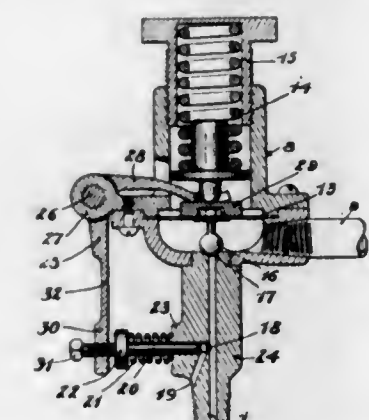
adapted to also engage the ratchet teeth, a winding cord secured to said drum, said cord passing through said enlarged eyes, a chain secured to said cord, a similar chain secured to the other end of said frame, the outer link of each chain having a wire-clamping device secured thereto.

1,521,210. GUIDING ATTACHMENT FOR BRILLIANT VIEW FINDERS. GUSTAVUS A. WIKANDER, Portland, Oreg. Filed May 31, 1921. Serial No. 473,678. 14 Claims. (Cl. 88-15.)



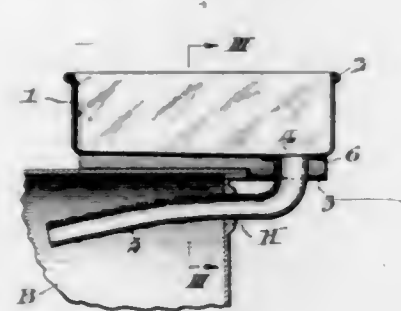
1. In a folding camera, a reflective view finder, a frame having hair like crossing members, the intersection of which is located in the center of said frame supported in a plane parallel with but spaced from the sighting lens of said finder, a mounting piece adapted to clamp the sides of said view finder, the sighting lens of the view finder being provided with a mark, centrally located with which to align said point of intersection.

1,521,211. COMPRESSOR. CHARLES H. ALLEN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 5, 1919. Serial No. 294,871. 18 Claims. (Cl. 230-24.)



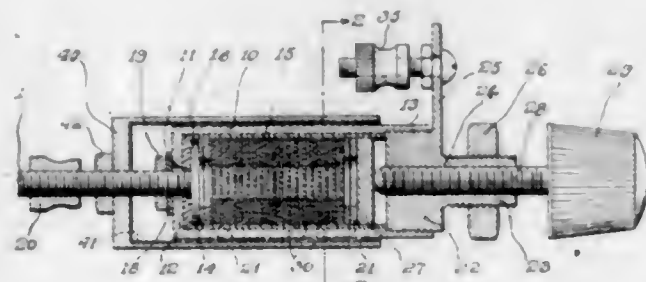
1. A compressor unloading means comprising, in combination, an unloading mechanism, fluid pressure conducting means communicating therewith, and a pressure fluid controlling means for alternately permitting a flow to said unloading mechanism and exhausting fluid therefrom, said means comprising a plurality of valves moving in lines parallel to intersecting lines.

1,521,212. FUNNEL. WILLIAM ALLEN, Overbrook, Kans. Filed June 19, 1924. Serial No. 720,929. 4 Claims. (Cl. 226-31.)



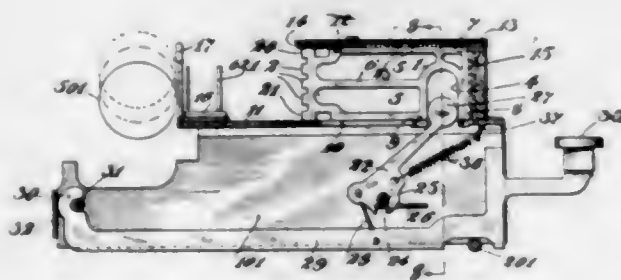
1. A funnel comprising a horizontally-disposed body portion, and a spout leading rearwardly beneath, and in spaced relation to the body portion so as to enable its insertion into the bung hole in the end of a horizontally lying barrel, and the body portion to be supported upon the upside of the barrel.

1,521,213. FIXED AND VARIABLE GRID LEAK. SYDNEY N. BARUCH, New York, N. Y. Filed Oct. 12, 1923. Serial No. 668,242. 7 Claims. (Cl. 201-51.)



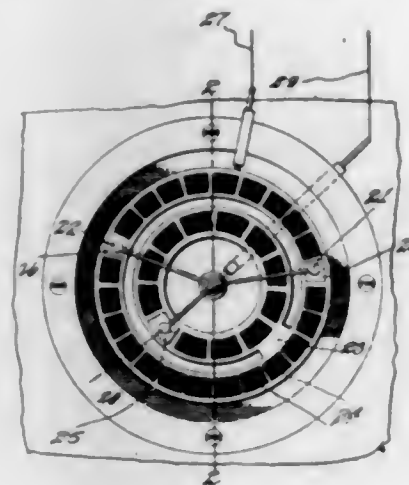
7. A pressure controlled variable resistor comprising a plurality of disc-like resistor elements, metallic spring washers interposed between said elements at intervals and means for varying the pressure upon said elements.

1,521,214. TYPEWRITER. HARRY BATES, New York, N. Y., assignor, by mesne assignments, to Rochester Industries, Inc., Rochester, N. Y., a Corporation of New York. Filed Sept. 2, 1920. Serial No. 407,765. 12 Claims. (Cl. 197-25.)



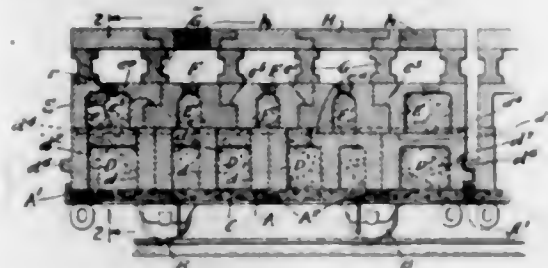
1. In a typewriting machine the combination of an end thrust bar, a base plate upon which the type bar is adapted to slide, said base plate being provided with a guiding slot of less width than the thickness of the type bar, a guiding tongue extending from said type bar into said slot, means to guide the upper edge of said type bar and means to operate said type bar for printing.

1,521,215. AUTOMOBILE SWITCH LOCK. ARTHUR BOTTOM, Veteran, Alberta, Canada. Filed Jan. 22, 1923. Serial No. 614,214. 3 Claims. (Cl. 219-48.)



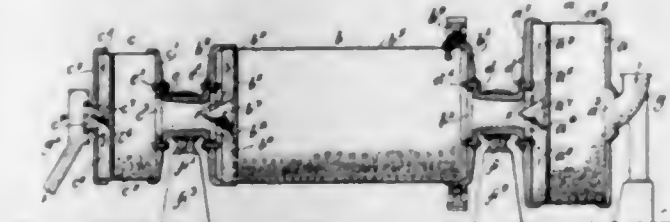
1. A permutation switch including metallic contact points, and insulation points, and a plurality of switch arms, the arms and contact points adapted to be included in an electric circuit, said arms being so proportioned with respect to their resistance that absence of one in a circuit will reduce the flow of current.

1,521,216. KILN CAR. PHILIP D'H. DRESSLER, Zanesville, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 7, 1920. Serial No. 371,903. Renewed May 31, 1924. 4 Claims. (Cl. 25-142.)



1. That the refractory blocks composing the refractory body portion of the car are much larger than have heretofore been employed in the construction of such car bodies. As a matter of fact the blocks in the construction shown, are as large as it is ordinarily feasible to make them.

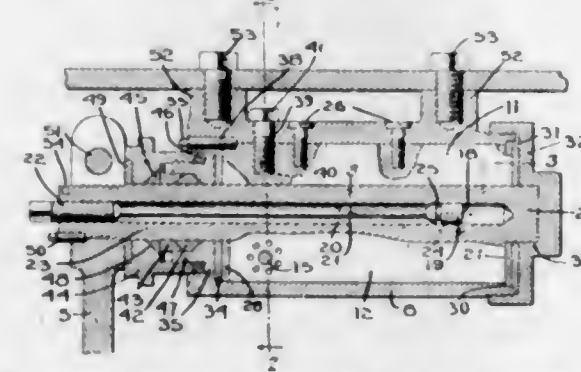
1,521,217. GRINDING MILL. JOHAN S. EASTING, Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Apr. 4, 1923. Serial No. 629,801. 5 Claims. (Cl. 83-9.)



1. A grinding mill comprising a relatively long main grinding drum of relatively large diameter having end walls and a cylindrical wall, hollow bearing members of relatively small diameter secured one to each end wall of the main grinding drum, supplemental drums of relatively large diameter each having an end wall secured to the outer end of one of the hollow bearing members, the end walls of the drum being each provided with an

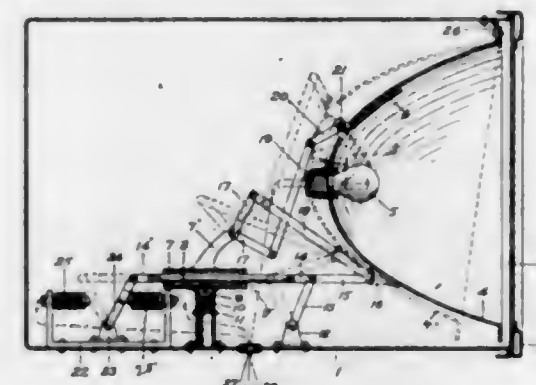
opening communicating with the interior of a hollow bearing member, the hollow bearing members being adapted to serve as the means for supporting the drums and to permit material treated to pass from one drum to another.

1,521,218. SHOCK ABSORBER. ERNST FLENTJE, Cambridge, Mass. Filed Nov. 30, 1923. Serial No. 677,664. 10 Claims. (Cl. 188-89.)



1. A shock absorber comprising a fluid holding casing, a partition dividing the casing into chambers and embodying a fixed partition member and a movable partition member having associated therewith an axle on which it turns, said axle having an axial bore and having there-through two by-pass ports which communicate with said bore, a piston valve operating in said bore for controlling said ports, a stem secured to said piston valve which has screw-threaded engagement with the axle and which extends beyond the latter and by which the piston valve is adjusted, said ports and piston valve having such relation that either port may be closed by adjusting the piston rod but both ports cannot be simultaneously closed.

1,521,219. AUTOMATIC SHADE-DIMMED HEADLIGHT. FRANK FOLEY, Clarksburg, W. Va. Filed May 15, 1924. Serial No. 713,508. 2 Claims. (Cl. 240-41.)

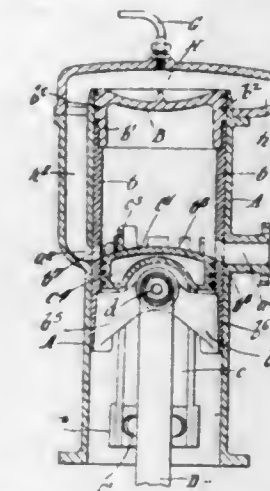


1. An automatic, shade dimmed headlight, of the character described, comprising a tilting reflector, attached by a hinge, to the upper portion of the headlight case and equipped with an electric lamp at the center of said reflector; a pivoted, concave lamp shade, the entire surface of which is adapted to closely fit and rest against, the inner, upper surface of the said reflector, and adapted, when lowered, to shade the upper half of the electric lamp; and combination electric means for tilting the said reflector backward and forward upon its hinge, and automatically raising and lowering the lamp shade, as described and for the purpose set forth.

1,521,220. INTERNAL-COMBUSTION ENGINE. EDWARD HENRY FRIEND, Katoomba, New South Wales, and ALBERT GLEAD BENTLEY, Melbourne, Victoria, Australia, assignors to The Friend Bentley Elements Company Limited, Melbourne, Australia. Filed Apr. 12, 1924. Serial No. 708,202. 3 Claims. (Cl. 123-50.)

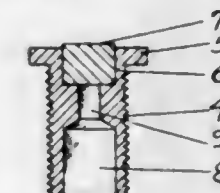
2. In an internal combustion engine, a cylinder, a sleeved reciprocating piston in the said cylinder, an

abutment of fixed piston type extending into the piston sleeve, limbs carrying the said abutment, and extending towards the lower end of the cylinder, a space for the piston sleeve being left between the limbs and the cylinder.



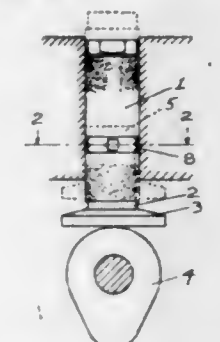
der, a connecting rod, a gudgeon pin lying between the abutment limbs and a pair of brackets projecting inwardly from the piston sleeve between the two abutment limbs to carry the said gudgeon pin.

1,521,221. TAPPET. MERRILL M. WILCOX, Saginaw, Mich. Filed Nov. 19, 1923. Serial No. 675,741. 4 Claims. (Cl. 123-90.)



1. An adjusting screw for a valve tappet, said screw formed with a recess in its head and a plug of hardened material removably secured in said recess and means associated with said screw for the bodily removal of said plug.

1,521,222. TAPPET. MERRILL M. WILCOX, Saginaw, Mich. Filed May 31, 1924. Serial No. 716,979. 2 Claims. (Cl. 123-90.)

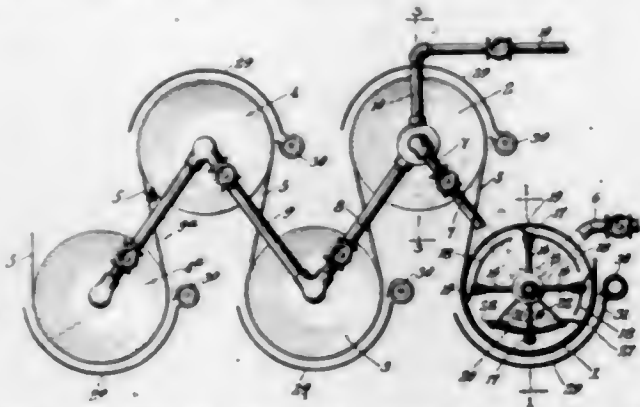


2. In a tappet comprising a tubular body of hardened metal and a cam-contacting head formed with an elongated cylindrical shank received within said body, a part of the tubular wall of said body adjacent said shank externally chambered to provide an area of reduced thickness, said wall spot-welded to said shank in said area of reduced thickness, whereby to prevent excessive heating and consequent reduction of hardness of adjacent parts of said hardened tubular body.

1,521,223. PROCESS AND APPARATUS FOR DRYING. ROBERT H. WYLD, Garden City, N. Y. Filed Jan. 21, 1919. Serial No. 272,238. Renewed Mar. 27, 1922. Serial No. 547,272. 23 Claims. (Cl. 34-4.)

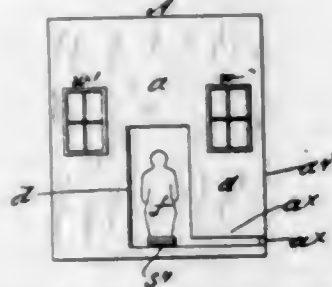
2. The process which comprises drying a material by supporting the same upon a heating apparatus and supplying to the latter a heating fluid in larger quantity per unit of time than is able to transfer all of its latent heat to said apparatus in that period and then

applying to said material thereafter part of the effluent quantity of the heating medium after adding to said



heating medium an additional quantity of said medium to offset loss thereof when applied as before mentioned to the material to be dried.

1,521,224. AUTOMATIC TOY. MORDECAI BASSAN, Brooklyn, N. Y. Filed Apr. 30, 1923. Serial No. 635,476. 6 Claims. (Cl. 46-40.)



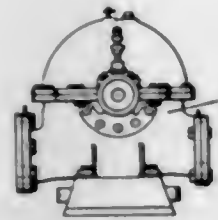
1. In an automatic toy of the character designated, the combination of a compartment, a hinged door, a rotative spindle, a power spring connected therewith, a door actuating arm rigidly protuberant radially therefrom, and a link articularly connecting said door with said arm, a carrier arm rigidly protuberant from said rotative spindle, and slidable through an opening in said compartment, a figure mounted on said carrier arm, a lever arm rigidly attached to said rotative spindle and slidably connected with a retractile rod, substantially in the manner and for the purpose set forth.

1,521,225. PACKAGING PROCESS. ADELMEYER M. BATES and JOHANN E. DANCKER, Chicago, Ill., assignors to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Mar. 17, 1924. Serial No. 699,688. 12 Claims. (Cl. 226-47.)



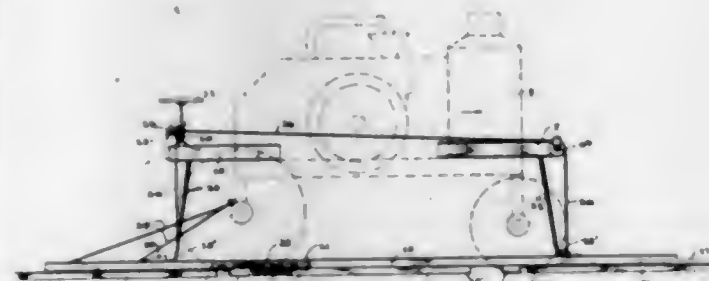
1. The process of packaging pulverulent material, which consists in temporarily bonding a charge of such material by compaction and then positioning the bonded charge within a container.

1,521,226. CENTRIFUGAL PUMP. PAUL G. BOGDANOFF, Battle Creek, Mich. Filed Jan. 28, 1921. Serial No. 440,601. 3 Claims. (Cl. 286-7.)



1. In a centrifugal pump, the combination of a rotary impeller having an annular channel-like packing ring seat in the side thereof, a resilient packing ring disposed in said seat, a casing provided with an annular packing-member-support having a packing member seat therein opposed to the packing ring on said impeller, an annular packing member disposed in said seat in said support-member to coact with said packing ring on said impeller, said packing member being recessed on its outer edge, adjusting screws for said packing member carried by said support, a gasket arranged in said support on the outer side of said packing member, a follower for said gasket disposed in the recess of said packing member and having a beveled face coacting with said gasket, and adjusting screws for said follower carried by said support.

1,521,227. ROAD MAINTAINER. OTHO M. BRILEY, Ames, and GROVER A. BLUNT, Dubuque, Iowa, assignors of one-third to R. W. Simpson, Dubuque, Iowa. Filed Nov. 27, 1922. Serial No. 603,597. 11 Claims. (Cl. 37-153.)

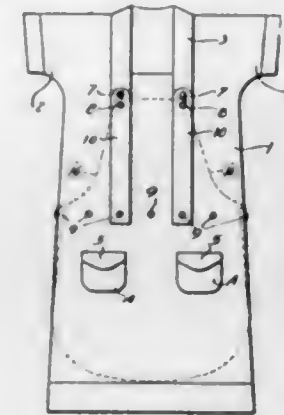


1. A road maintainer, comprising a movable member, a scraping member moved thereby, means independently adjustably supporting opposite side portions of the scraping member from the movable means, said scraping member formed of diagonally extending scraper bars in endwise offset relation and angularly staggered with respect to each other, one of said bars having an extension at its discharging end for deflecting outwardly larger particles of scraped material while permitting the passage of finer particles to the adjacent bar.

1,521,228. THREE-PART GARMENT FOR WOMEN AND GIRLS. SOPHIA CLAMAGE, Chicago, Ill. Filed Sept. 13, 1923. Serial No. 662,412. 3 Claims. (Cl. 2-72.)

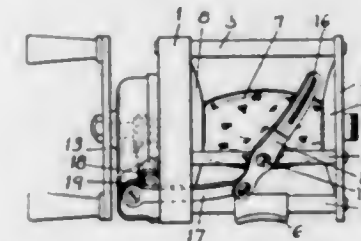
1. In a garment, an apron provided with pockets, and flaps on the front walls of said pockets, in combination with a protector and means to attach said pro-

jector to said apron in a determined relation, said protector provided with slits arranged to register with



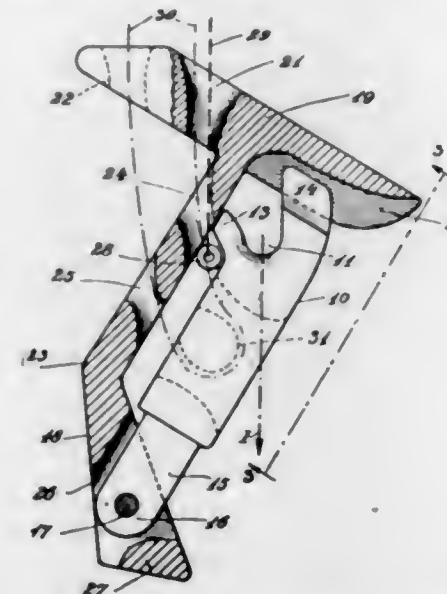
the openings of said pockets, and said flaps arranged to be drawn through said slits to permit access to said pockets.

1,521,229. FISHING REEL. EARLE CLICKNER, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed Jan. 13, 1923. Serial No. 612,454. 9 Claims. (Cl. 242-844.)



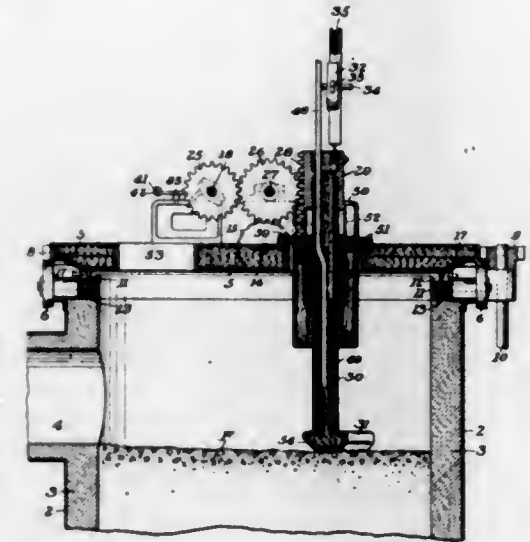
1. In a fishing reel, the combination of a frame, a spool provided with a barrel-shaped barrel, a crank shaft, driving connections for said crank shaft to said spool, a line traversing lever pivotally mounted on said frame and having an elongated line guide eye therein, means for actuating said lever comprising a crank arm, driving connections for said crank arm to said crank shaft, and a link connecting said crank arm to said lever.

1,521,230. CARGO HOOK. LOUIS COT, Brooklyn, N. Y. Filed Feb. 26, 1923. Serial No. 621,346. 6 Claims. (Cl. 294-83.)



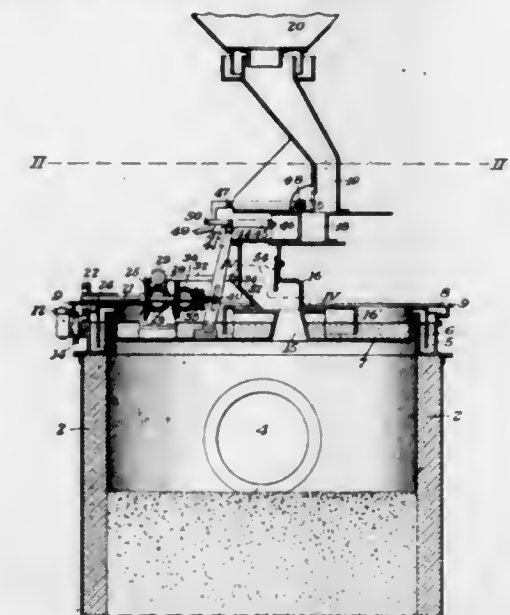
1. A cargo hook, comprising a load receiving member, a locking member and means for keeping the former member in locking engagement with the locking member when the device is in one position, and permitting the release of said load receiving member when the device is in another position.

1,521,231. POKER MECHANISM FOR GAS PRODUCERS. REINHARDT DAAE, Pittsburgh, Pa. Filed Oct. 11, 1920. Serial No. 416,103. 45 Claims. (Cl. 48-85.2.)



1. In a gas producer having a poker for operating upon a fuel bed therein, a plurality of independent means for operating said poker in different distinctive manners, and means for establishing operative driving connection between any one of said means and said poker at will, substantially as described.

1,521,232. FEEDING MEANS FOR GAS PRODUCERS. REINHARDT DAAE, Youngstown, Ohio. Original application filed Jan. 7, 1920, Serial No. 349,863. Divided and this application filed Dec. 5, 1922. Serial No. 605,007. 10 Claims. (Cl. 214-18.)

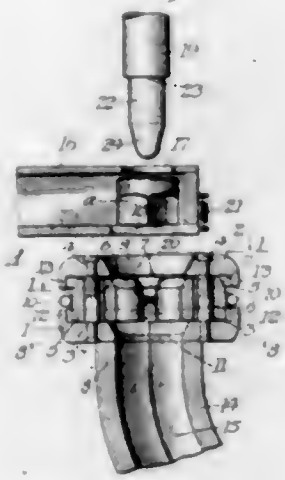


1. In a fuel feeding mechanism for a gas producer, a cover having a feed opening therethrough, a casing above said opening, a sliding member cooperating with said casing and having a fuel receiving pocket, means for sliding said member, and means cooperating with said member for rendering said sliding means ineffective when the material within the pocket projects beyond the upper edges thereof, substantially as described.

1,521,233. PRODUCTION OF OBJECTS OR BODIES FROM CEMENT OR CONCRETE. MEYER J. DAVIDSEN, Paris, France. Filed Oct. 2, 1924. Serial No. 741,277. 10 Claims. (Cl. 18-47.5.)

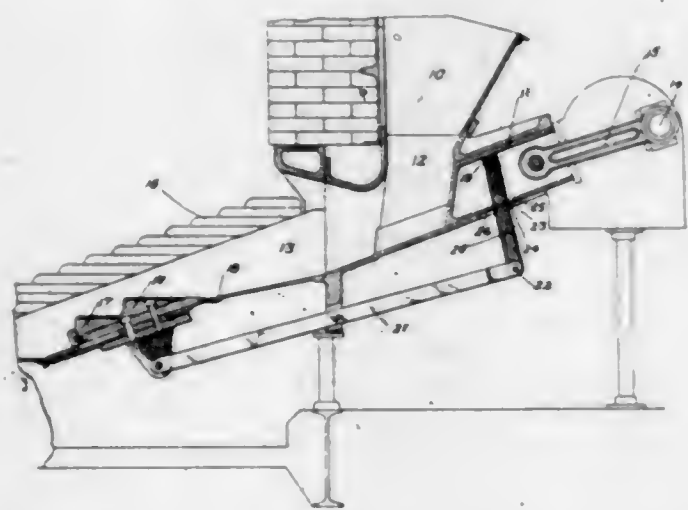
1. The improvement in the manufacture of objects or bodies from cement or concrete which consists in molding the objects or bodies from wetted hydraulic cement or concrete, allowing them to become hard, and baking them at a relatively high temperature.

1,521,234. BLANK-REGISTERING DEVICE. EDWIN H. EHRLMAN, Oak Park, Ill., assignor to Standard Screw Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 26, 1923. Serial No. 634,920. 8 Claims. (Cl. 10-107.)



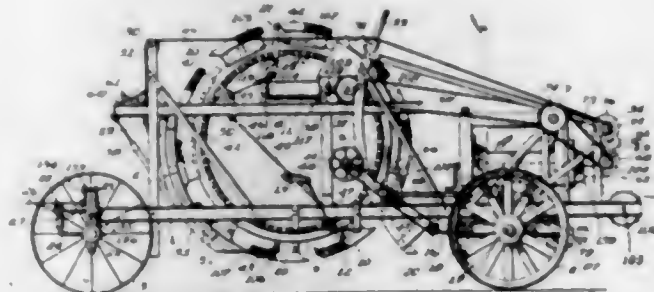
1. In a device for registering blanks, the combination of a frame, rollers rotatably mounted thereon, in position to engage different sides of a blank forced between them, said rollers being mounted so as to be bodily movable transversely of their axes, means for advancing said rollers yieldingly towards each other, means for limiting the approach of said rollers towards each other, and means rendered operative by forcing a blank between said rollers for subjecting said blank to the pressure sustained by said rollers tending to advance them towards each other, the relation being such that when in positions other than positions of nearest approach, the pressure which they sustain will produce moments tending to turn a blank forced between them into a position of stable equilibrium, and when at the limit of their approach defined by said blank, the blank will be in stable equilibrium, and such also that registered position of said blank is coincident with its position of stable equilibrium.

1,521,235. STOKER-RAM. ROBERT A. FORESMAN, Esington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 4, 1920. Serial No. 408,201. 5 Claims. (Cl. 110-44.)



2. In combination with an underfeed stoker retort, a fuel feeding ram provided with a slot, a fuel agitating member carried by the retort, a lever pivoted to the ram and projecting through the slot, the width of the lever at the slot being less than the length of the slot, operative connection between the lever and the fuel agitating member, and means for moving the fuel feeding ram.

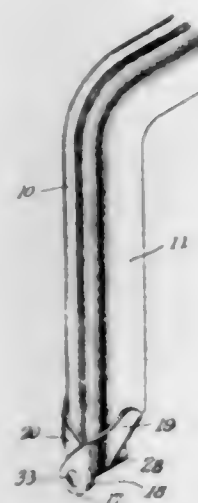
1,521,236. TRENCHING MACHINE. HARVEY H. FRANKS, Dixon, Ill. Filed Nov. 23, 1921. Serial No. 517,160. 13 Claims. (Cl. 37-97.)



1. In a trenching machine, the combination of a main frame, forward driving and steering wheels therefor, rear supporting and steering wheels for the main frame, a digging element carrying frame vertically movable with relation to the main frame and guided in its movement, a digging element rotatably mounted on the digging element carrying frame, reversible power connections from the motor to the driving and steering wheels, and power connections from the motor to the digging element.

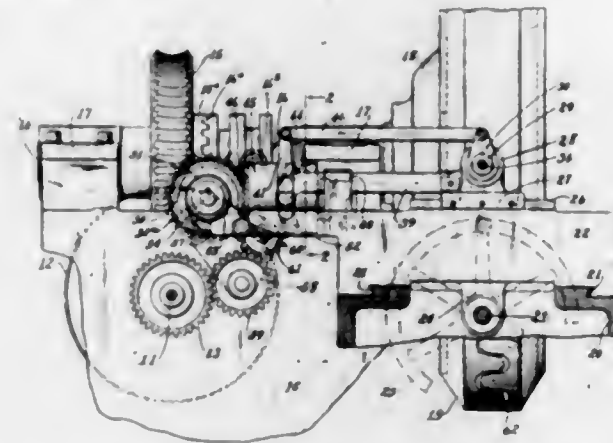
8. In a trenching machine, the combination of a main frame, a digging element carrying frame carried thereby, means for raising and lowering the digging element carrying frame, a guiding and driving element carried by the digging element carrying frame, an adjustable pendant guiding element carried by the digging element carrying frame, a digging element carried and guided by the last three mentioned guiding and driving elements, a motor for the machine, and power connections from the motor to the guiding and driving element.

1,521,237. BAG-FRAME HINGE. FRANZ A. FULLER, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a Corporation of Delaware. Filed Oct. 24, 1923. Serial No. 670,406. 6 Claims. (Cl. 150-29.)



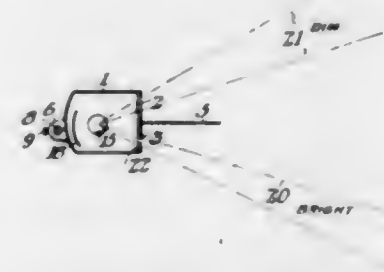
1. A combined bag frame and hinge comprising a pair of duplicate channelled side frames arranged in reverse end relation, curved projections on each of the ends of said frames, said projections being perforate and bent to closely overlie the outer surfaces of the channelled frames, the perforations in said projection being in register one with another at each end of the frame and with the other surface of the channelled frames, and pivots secured in the perforations on which said side frames turn.

1,521,238. GROOVING MACHINE. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,587. 11 Claims. (Cl. 82-14.)



1. In a machine of the character described, the combination of means for supporting and rotating an article, a knife adapted to be brought into cutting relation to said article as the latter is rotated, means for supporting said knife and moving it toward and away from said article, and means for imparting to the knife a plurality of to-and-fro reciprocatory movements during each rotation of the article.

1,521,239. VEHICLE LAMP. CLARENCE A. GODSHALK, Ardmore, Pa. Filed Mar. 4, 1924. Serial No. 696,881. 14 Claims. (Cl. 240-41.)



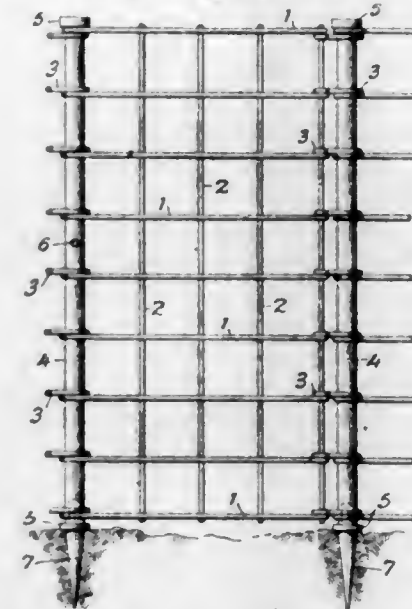
1. In a vehicle head light, the combination with a light casing having a substantially rectangular front of greater extent horizontally than vertically, and with two correspondingly shaped, laterally oblong, light openings there-through, in substantially parallel relation, one above the other; of a septum between said openings including a visor extending forwardly from said casing; a source of light, within said casing, including an electric incandescent lamp bulb, having its axis parallel with said openings; and means, including a reflector behind said source, arranged to project light from said source through said casing openings and with a field of illumination including dim rays above brighter rays, said brighter rays through said lower opening and said dim rays through said upper opening; whereby a warning signal is afforded without glare, above said septum, and the road is illuminated below said septum.

1,521,240. FENCE. WILLIAM A. GRAHAM, U. S. Army. Filed May 7, 1924. Serial No. 711,665. 9 Claims. (Cl. 250-25.) (Filed under the act of Mar. 3, 1883, 22 Stat. L. 625.)

1. A fence of the class described comprising a plurality of panels, each of said panels consisting of a plurality of runner wires, a plurality of vertical members comprising a marginal member and intermediate members, and a rotary locking member adapted to be rotated to lock the panel to or release the panel from an adjoining panel.

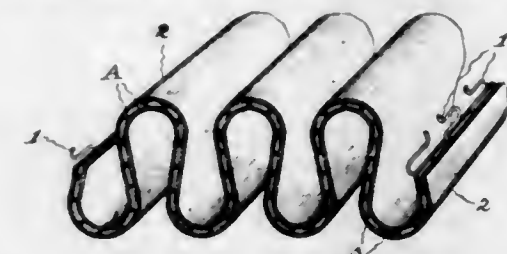
3. A fence of the class described comprising a plurality of panels, each consisting of a plurality of runner wires, a plurality of vertical members comprising a marginal member and intermediate members, and a marginal ro-

tary locking member provided with means for securing one panel to the adjoining panel and another means



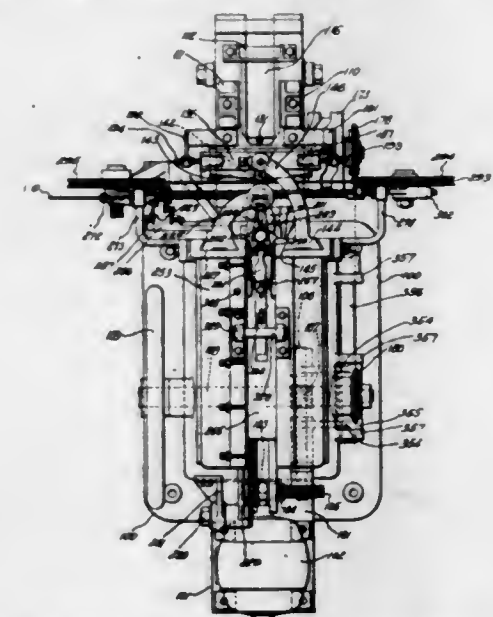
adapted to be inserted into the bottom of said locking member and into the ground to maintain the fence in an upright position.

1,521,241. ELECTRICAL INSULATING MEDIUM. WILLIS W. HALE, Cleveland, Ohio. Filed June 3, 1920. Serial No. 386,193. 2 Claims. (Cl. 219-65.)



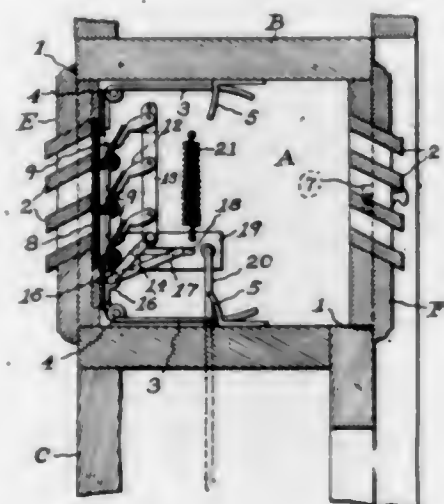
1. An electric heater including a resistance element, a radiating housing therefor, and an insulating filler interposed between the opposite faces of the resistance element and the housing and in an intimate engagement with both of said elements, said insulating filler being treated with silicate of soda to render it a conductor of heat.

1,521,242. TAG-STRINGING MACHINE. WILLIAM G. JOPSON, Wellesley, Mass., assignor to Jopson Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 16, 1920. Serial No. 403,920. 72 Claims. (Cl. 93-91.)



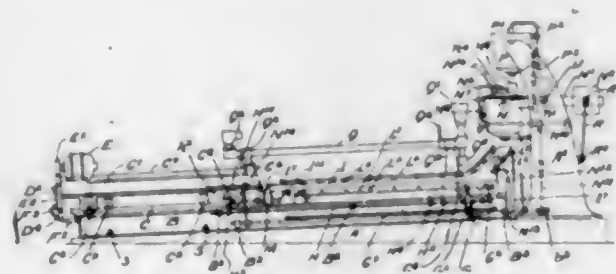
7. A tag-stringing machine comprising tag-holding mechanism, mechanism for feeding a string to a tag held thereby, and mechanism for passing the string through a plurality of spaced previously-formed apertures in the tag.

1,521,243. VENTILATOR. HUGO JOSEF, Cleveland, Ohio. Filed June 28, 1923. Serial No. 648,188. 4 Claims. (Cl. 98—27.)



1. A ventilator including an open ended casing, a removable panel fitting across the opening of the casing, a set of shutters mounted upon the inner face of the panel, lugs projecting from opposed interior walls of the casing, swinging arms carried by the panel and adapted to extend into the casing so as to be swung into and out of engagement with the said lugs, and means for controlling the shutters.

1,521,244. CENTRIFUGAL CASTING MACHINE. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Sept. 13, 1921. Serial No. 500,331. 22 Claims. (Cl. 22—65.)

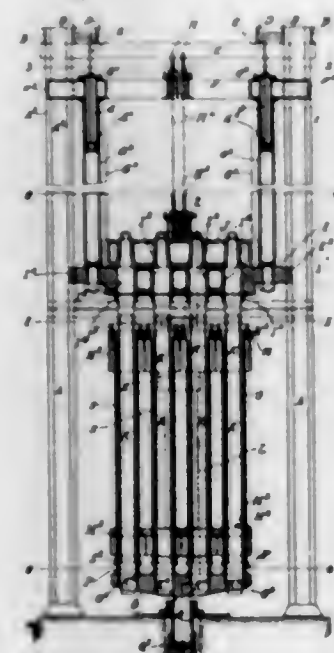


1. In a centrifugal casting machine comprising a rotatable mold, a runner for delivering molten metal to the mold and means for imparting a relative longitudinal motion to the runner and mold, the combination therewith of a ladle stationary during pouring for delivering a stream of molten metal to the runner and means for maintaining a substantially uniform level of metal in the ladle whereby a constant volume and velocity is maintained in the stream issuing therefrom.

1,521,245. MOLDING APPARATUS. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Nov. 5, 1921. Serial No. 512,979. 3 Claims. (Cl. 22—17.)

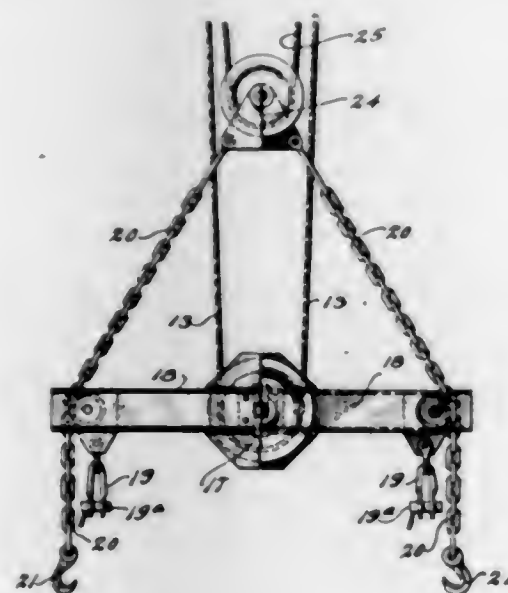
1. A pipe mold ramming machine comprising in combination mold supporting means adapted to hold a pipe mold with its bell end uppermost, a vertically movable head perforated to give passage to a pattern head and having surrounding said perforation an annular upwardly projecting rim adapted to fit in the plain bottom end of the mold, means for advancing and retracting said

head supported independently of the mold, a socket pattern vertically movable into and out of the top of the



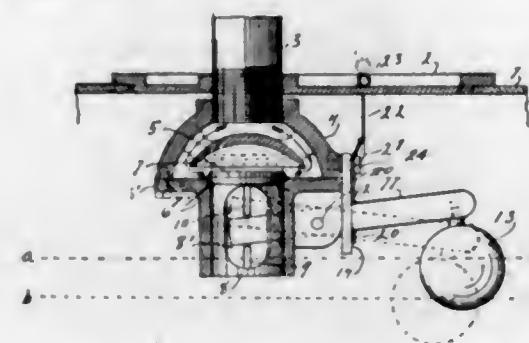
mold, a main ramming pattern centered in its lower position in the mold by the rim and socket pattern and means for drawing the main ramming pattern through the mold.

1,521,246. CONCRETE LOADING, MIXING, AND DISTRIBUTING MACHINE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 31, 1921. Serial No. 441,358. 4 Claims. (Cl. 214—17.)



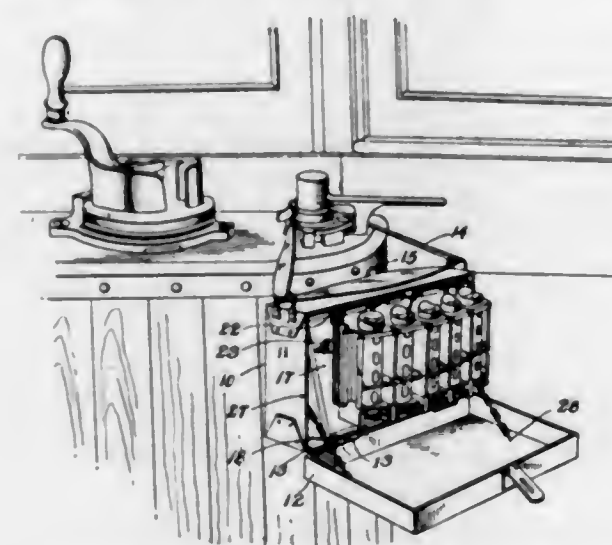
1. In a machine of the class described, in combination, a batch receptacle adapted to be removably carried by a car and comprising dumping doors, and a cable control for hoisting detachable connection with the batch receptacle body and its doors, the hoisting cable control embodying relatively movable devices engageable with the batch receptacle and said doors and operable to cause relative movement of such parts for discharging the receptacle into a hopper, the parts of one of the said movable devices having relative sliding movement over parts of the other devices when the movable devices are assembled in operative relation.

1,521,247. VALVE AND VALVE CONNECTION. MATTHEW LUND, Grand Rapids, Mich., assignor to Valley City Machine Works, Grand Rapids, Mich. Filed Dec. 15, 1922. Serial No. 607,188. 4 Claims. (Cl. 139—104.)



1. In an automatically operated cut off valve for oil tanks, a feed pipe, a chambered cap connected with said pipe, an annular barrel having a valve seat formed thereon, an integral flange on the upper end of said barrel for connection with the cap to form a receiving chamber, a lenticular formed partition in the chamber in the cap forming an annular passageway between said partition and the walls of the cap, a valve having a long annularly formed barrel slidable in said annular barrel, said valve barrel having openings through the sides for the free passage of oil when the valve is open, bearings formed within the valve barrel, a lever pivotally mounted upon the first named barrel and engaging said bearings at one end, a float at the other end of said lever arranged to actuate the lever with the rising and lowering of the liquid contents of the tank.

1,521,248. CONDUCTOR'S EQUIPMENT CASE. WILLIAM H. MADAN, Peoria, Ill. Filed Dec. 17, 1923. Serial No. 681,197. 2 Claims. (Cl. 133—11.)

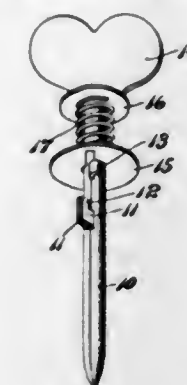


1. In a device of the class described, in combination a container comprising hinged sections adapted to open at right angles to each other, a wall member having a crank operated, pivotal relation to one of said hinged portions, an optional catch means adapted to retain the upper end of said wall, a money register, and means for fastening said money register upon said wall member.

1,521,249. SHEET-METAL DAMPER CLIP. THOMAS OLINGER, Holland, Mich., assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed May 6, 1922. Serial No. 558,869. 1 Claim. (Cl. 126—292.)

A damper operating member comprising a rod rolled from a single piece of sheet metal and formed at one end with a flat operating handle, two lips extending from the rod integral therewith at the meeting edges of the metal

forming the rod, said lips lying side by side, two spaced apart washers located over the rod, one bearing against



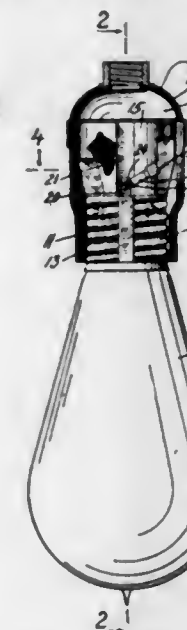
the operating handle, a coiled spring between the washers, and a third lip projecting from the rod against which the other washer is pressed by the spring.

1,521,250. DAMPER CONSTRUCTION AND CLIP THEREFOR. THOMAS OLINGER, Holland, Mich., assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed Sept. 5, 1922. Serial No. 586,110. 5 Claims. (Cl. 126—292.)



1. A damper clip comprising a piece of sheet metal substantially rectangular in shape and adapted to be located over a damper disk at one side thereof, ears at the outer corners of the clip adapted to be bent around the edge of the disk and against the opposite side thereof, said clip being formed with an upraised bead from its inner to its outer side and said bead having a notch cut therein in its upper side and at its inner end, and securing devices adjacent the inner corners of the clip adapted to pass through the damper disk and be clinched against the opposite side thereof.

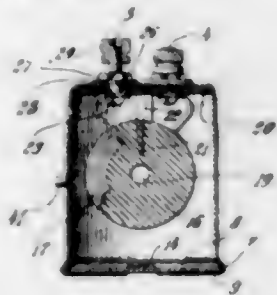
1,521,251. INCANDESCENT-LAMP LOCK. MAX RACHLIN, New York, N. Y., assignor of one-half to Samuel M. Gold, New York, N. Y. Filed Mar. 9, 1922. Serial No. 542,291. 1 Claim. (Cl. 173—356.)



A lamp socket comprising an insulating block, a screw-threaded socket member attached thereto having a longitudinal recess in its inner face and adapted to receive a

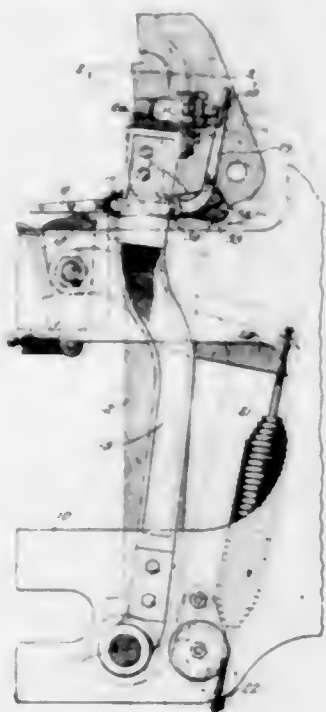
screw threaded incandescent lamp base having a longitudinal recess in its outer face capable of being brought into alignment with said first mentioned recess, a locking bolt slidably mounted on said insulating block adapted to enter said two recesses when in registering positions, and a lever pivotally mounted on said socket engaging said locking bolt for seating and unseating, at will, said locking bolt in and from said recesses.

1,521,252. TRANSFORMER. EDNAE N. A. RAYLAND, Chicago, Ill. Filed July 1, 1922. Serial No. 572,317. 11 Claims. (Cl. 175-356.)



1. In a transformer adapted to be inserted in and to cooperate with a vacuum tube socket having four contacts, a substantially cylindrical case, a substantially cylindrical core within said case, the axes of said core and case being at an angle to each other, two transformer coils provided on said core adjacent to each other, and terminals for the transformer coils projecting in substantially the same direction through said case.

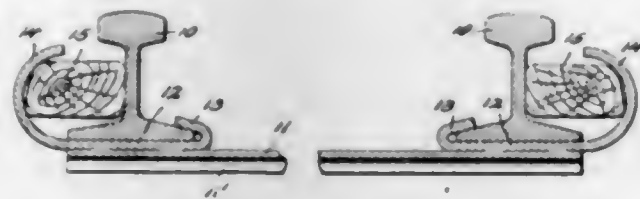
1,521,253. SMASH PROTECTOR FOR LOOMS. WILLIAM W. ROBERTSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1923. Serial No. 610,792. 1 Claim. (Cl. 139-345.)



In a loom, a lay mounted to swing about a fixed pivot, a lay end mounted to swing with said lay about said fixed pivot and also constructed to be at times positioned independently of said swinging lay, a protector device on said lay, a shuttle indicating device on said lay end, a single spring effective to actuate said protecting device and said indicating device in every relative position thereof, separate parallel rotatable shafts on which said protecting device and said indicating device are supported, and connections between said shafts operative in every relative position of the lay and lay end, said connections including a rearwardly projecting arm on the protector shaft on the lay and a rearwardly projecting

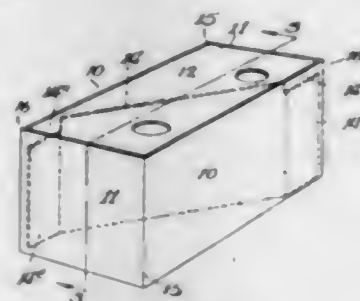
member on the indicating shaft on the lay end, said member engaging said arm when said lay and lay end are moving together and also when said lay and lay end are independently positioned and relatively movable.

1,521,254. MINE RAILROAD CONSTRUCTION. NEIL E. SALSTON, Bethlehem, Pa. Filed Apr. 5, 1923. Serial No. 630,130. 3 Claims. (Cl. 238-10.)



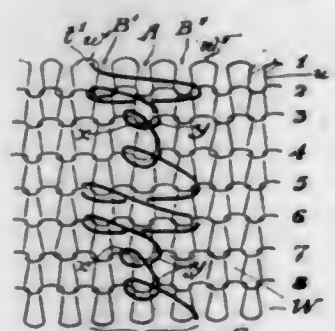
1. A railway track the comprising a tie body and rail clips welded to the top at the ends thereof, each clip including an inner portion bent at an acute angle to fit the inner flange of a rail and an outer portion which is curved outwardly, upwardly, and inwardly to afford a wedge-receiving space with respect to a rail.

1,521,255. MULTIPLE COMPARTMENT TANK. WILLIAM SCHER, Maywood, Ill., assignor to Oil Products Appliance Co., Maywood, Ill., a Corporation of Illinois. Filed Nov. 5, 1923. Serial No. 672,839. 4 Claims. (Cl. 220-22.)



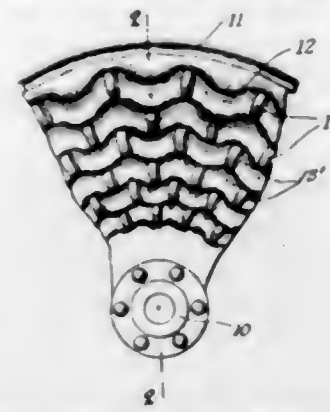
1. A multiple compartment tank comprising two similar metal sheets, each having a right angle bend therein to form a side and an end wall, and the two sheets being placed edge to edge to form a rectangle, a metal sheet extending transversely between the diagonally opposite meeting edges of said side and end wall sheets, the side and end wall sheets and transverse sheet being welded together at their meeting edges, and top and bottom metal sheets, having marginal flanges extending into the interior of the tank, said top and bottom metal sheets being welded to said side and end wall sheets and to said transverse sheet.

1,521,256. STOCKING HAVING A THICKENED WALE STRUCTURE AND METHOD OF KNITTING THE SAME. ROBERT W. SCOTT, Babylon, N. Y. Filed July 7, 1921. Serial No. 483,024. 13 Claims. (Cl. 66-4.)



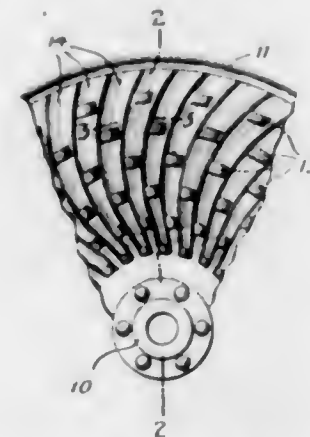
1. A stocking having a thickening-wale of additional yarn extending longitudinally of the web and on its back face and having wider spots separated by narrower spots recurring in its length.

1,521,257. VEHICLE WHEEL. HARRY MORTIMER SPEIGHT, Pelham, N. Y. Filed July 18, 1923. Serial No. 652,297. 4 Claims. (Cl. 301-63.)



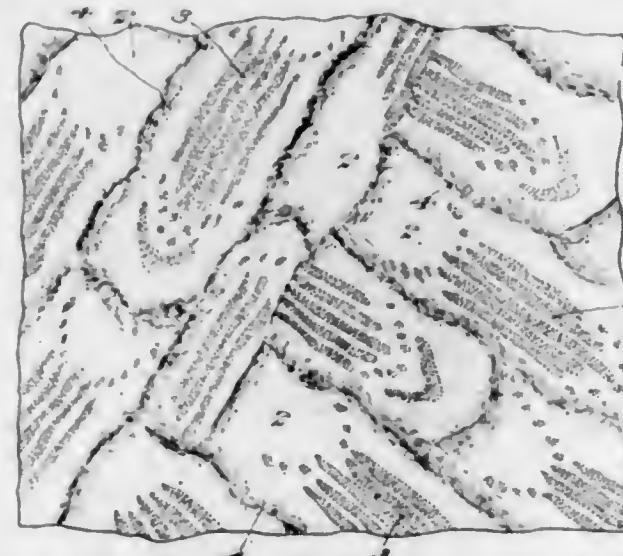
3. In a vehicle wheel, a disk member adapted to be attached to the hub of the wheel and provided with a plurality of substantially parallel, annular, waved corrugations having struck up portions in staggered relation to one another.

1,521,258. VEHICLE WHEEL. HARRY MORTIMER SPEIGHT, Pelham, N. Y. Original application filed July 18, 1923. Serial No. 652,297. Divided and this application filed Dec. 13, 1923. Serial No. 680,323. 5 Claims. (Cl. 301-63.)



2. In a vehicle wheel, a disk member adapted to be attached to the hub of the wheel and provided with a plurality of radial corrugations alternately concaved and convexed with relation to the plane of the surface of the disk and having struck up portions in their plane surfaces.

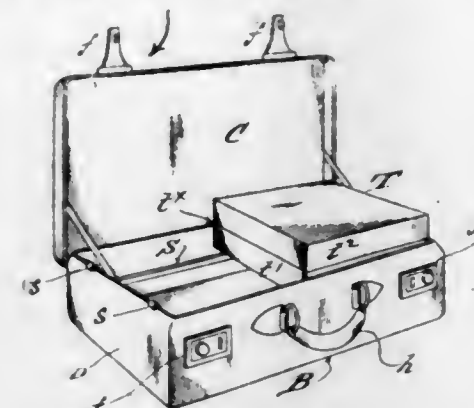
1,521,259. IMITATION FUR AND METHOD OF PRODUCING THE SAME. FRITZ STOLZENBERG, Shelton, Conn., assignor to Sidney Blumenthal & Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 28, 1924. Serial No. 734,745. 4 Claims. (Cl. 26-2.)



1. A method of producing an imitation of a fur blanket composed of a plurality of pelts sewed together, which includes the following steps, providing a pile fabric;

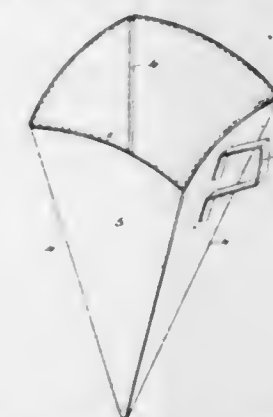
impairing a plurality of designs to the pile; and disturbing the pile intermediate the designs by applying a whirling instrument thereto.

1,521,260. SUITCASE, ETC. CHARLES TRACHTENBERG, Brooklyn, N. Y. Filed Nov. 30, 1923. Serial No. 677,679. 3 Claims. (Cl. 190-51.)



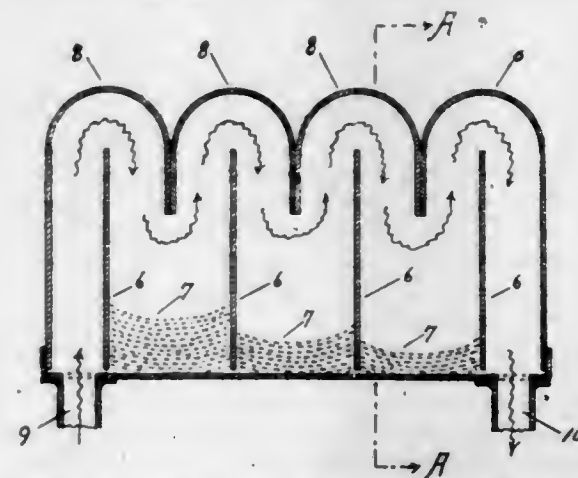
1. In a portable hand case, a support adapted to rest upon the upper edges of opposite walls of the case, and a bodily-removable tray resting thereupon and formed of two sections articulately united directly to each other at adjacent walls to rest one upon the other in the same vertical plane.

1,521,261. FLYCATCHER. FRANZ TSCHERNITSCHKE, Trautmann, Czechoslovakia. Filed Apr. 9, 1924. Serial No. 705,349. 1 Claim. (Cl. 43-136.)



An insect catcher, comprising a blank of material folded to form a hollow pyramid having openings at the base and apex, the corner creases of the pyramid being longitudinally depressed inwardly permitting the same to be folded and also acting as reinforcing ribs, a coating of viscous substance on the interior surface of the pyramid and a flexible collapsible handle secured to the outside of said pyramid.

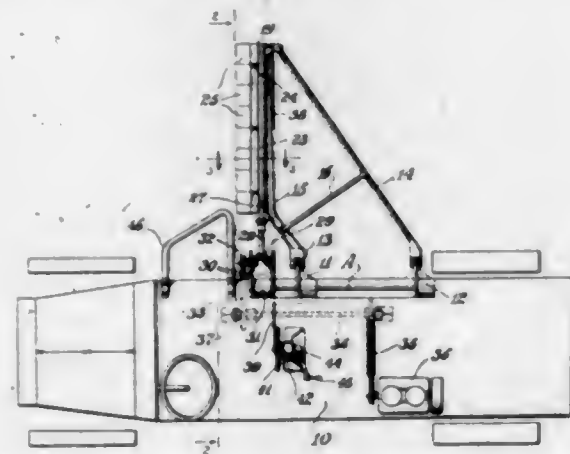
1,521,262. INTAKE-AIR CLEANER FOR INTERNAL COMBUSTION-MOTOR ENGINES. JACOB TRIPPLER WAINWRIGHT, Detroit, Mich. Filed Feb. 27, 1924. Serial No. 695,525. 1 Claim. (Cl. 183-93.)



A conduit adapted to progressively conduct a stream of dirty air through a succession of alternating turns respectively in contrary directions, and constructed in a

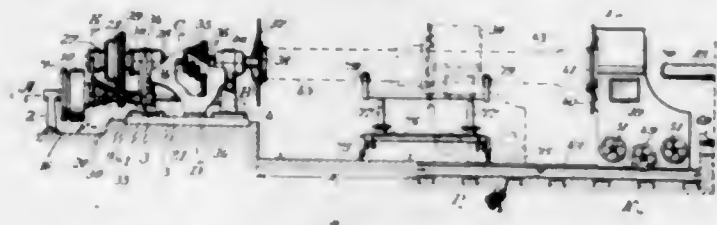
way to constitute means to impose alternate decreasing and increasing stream-velocity intervening respectively between such alternating turns in such progression, and constructed in a way to constitute means to enable self-impelled ejection of dirt from the stream during such progression through turns which follow a corresponding decreasing stream-velocity and precede a corresponding increasing stream-velocity.

1,521,263. CANE CUTTING MACHINE. GEORGE F. WHITNEY, New York, N. Y., assignor to United States Sugar Cane Harvester Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 14, 1920. Serial No. 373,685. Renewed Apr. 29, 1924. 6 Claims. (Cl. 56-17.)



5. A cane cutting machine comprising a vehicle, a frame movably connected to said vehicle, said frame having one member T-shaped in cross section, a housing slidable on said member, a saw attachable to said housing, and means for reciprocating said housing.

1,521,264. METHOD AND DEVICE FOR THE PRODUCTION OF HOLLOW BODIES SUCH AS PIPES, MASTS, AND THE LIKE FROM FERROCONCRETE. PAUL ZEHNDER, Lucerne, Switzerland, assignor to the Firm Internationale Stiegwartbalken-Gesellschaft, Lucerne, Switzerland. Filed May 8, 1923. Serial No. 637,504. 12 Claims. (Cl. 25-154.)



1. A method of producing hollow articles such as tubes, poles and the like of reinforced concrete, which consists in gradually depositing without centrifugal force a concrete mass whilst in plastic mortar-like condition as a first layer on the internal wall of a mould adapted to rotate round its axis, depositing layers of asphalt on said first layer of concrete, depositing further layers of concrete embedding thereby an iron reinforcement, and finally depositing a layer of cement under centrifugal action to cause the component parts of the cement to separate in accordance with their different specific gravities and to produce thus superimposed layers of cement and calcium hydrate upon the inner wall of the reinforced tube previously formed.

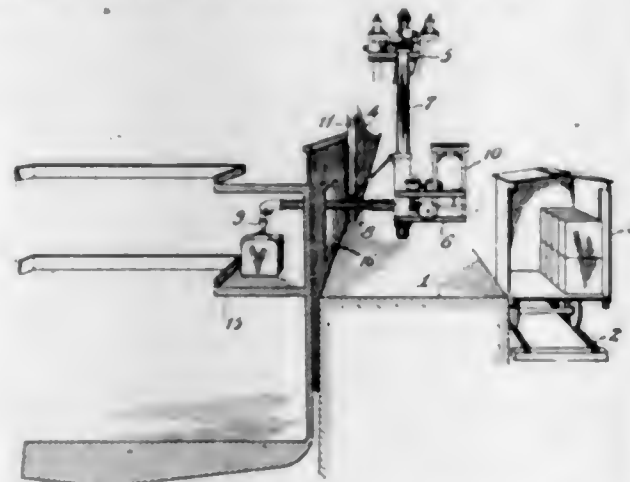
12. In a cement pipe making machine, the combination with a horizontally supported rotatable mold; of a feed spout extending within and substantially the full length of the mold and having a longitudinal feed slot and a longitudinal discharge slot, a shutter arranged to control the latter slot and means to rotate said shutter past both slots.

1,521,265. DRIVING TOOL. DAVID A. ANDERSON, Faribault, Minn., assignor to Faribault Machine Shop & Foundry Co., Faribault, Minn. Filed June 14, 1924. Serial No. 720,029. 1 Claim. (Cl. 81-3.)



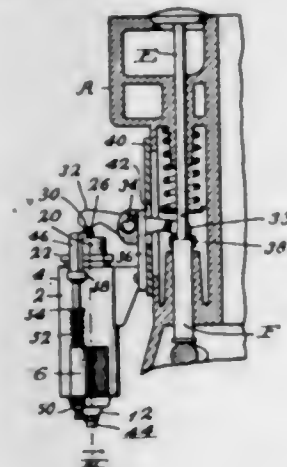
A driving tool comprising a hollow heavy hammer-acting handle having an integral striking surface closing one end thereof and having an annular plug applied in its other end, a stem working axially through said annular plug and provided within said handle with a rigidly secured striking collar working freely within said handle for movement in both directions and engageable with the inner end of said annular plug, the inner end of said stem projecting beyond said collar and being arranged to strike the integral end of said handle, and a tool applied to the outer end of said stem.

1,521,266. SHIP LOADING AND UNLOADING SYSTEM. DONALD SHIELDS ANDREWS, Cleveland, Ohio, assignor to Andrews Crane Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Dec. 5, 1921. Serial No. 519,822. 5 Claims. (Cl. 214-14.)



1. In a ship loading and unloading system, the combination with a pier, of an overhead track thereon having extensions adapted to project beyond the edge of the pier and overhang a ship docked at the pier, and a crane suspended on said overhead track and having a vertically movable portion and a boom on said movable portion, whereby the crane may be moved into position over the ship and may be lowered into position opposite a side opening in the ship and said boom may be projected through said side opening.

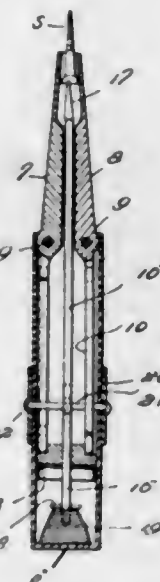
1,521,267. OIL PUMP. LAWRENCE W. ANDREWS, Kansas City, Mo. Filed July 17, 1922. Serial No. 575,695. 4 Claims. (Cl. 184-27.)



1. An oil pump for internal combustion engines consisting of a cylinder having induction and eduction pipes connected to said engine, a plunger reciprocally

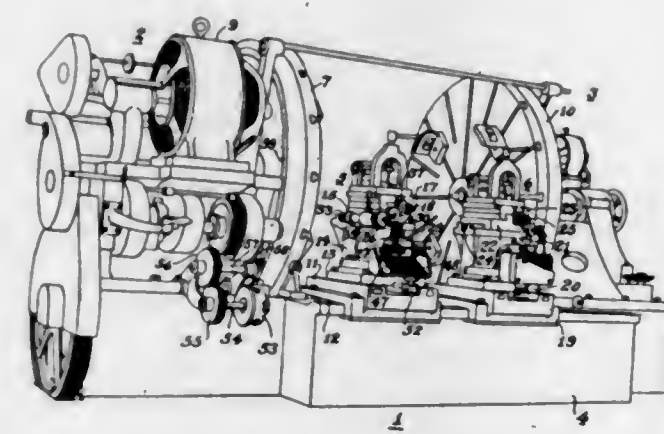
mounted in said cylinder and projecting from the upper end thereof, means for adjusting the length of the plunger stroke, a rocker arm actuated by the engine for moving said plunger in one direction, cushioning means interposed between the upper portion of the plunger and said rocker arm, and means for moving the plunger in an opposite direction to that effected by the rocker arm.

1,521,268. SCREW DRIVER. JOHN O. ARSENAULT, Detroit, Mich. Filed Dec. 3, 1923. Serial No. 678,226. 3 Claims. (Cl. 145-52.)



1. In a screw driver of the character described, a pair of opposed-pivoted screw engaging jaws, a shank slidably and rotatably mounted between the jaws and having a bit upon its outer end, means including an operating member movable longitudinally with the shank to retract or project the latter for positioning its bit either between or beyond the outer ends of said jaws, said means being also rotatable about the shank for swinging the jaws toward or from each other to grip or release a screw engaged by the bit, a hollow cylindrical casing to which the inner ends of the jaws are pivoted, said shank extending axially in said casing, and said rotatable and slidable member being mounted upon said casing.

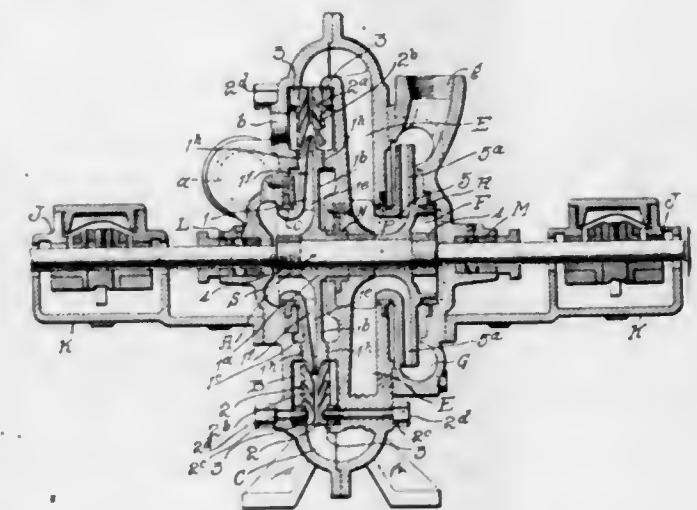
1,521,269. SYSTEM OF CONTROL. HAROLD L. BLOOD, North Plainfield, N. J., and LYNDON C. COLE, Hamilton, Ohio, assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 19, 1923. Serial No. 619,968. 30 Claims. (Cl. 82-8.)



1. In a control system for a machine tool, the combination with a rotating work spindle and a drum controller operated in accordance with the rotation of the spindle, of a feed motor, a limit switch operated by said motor,

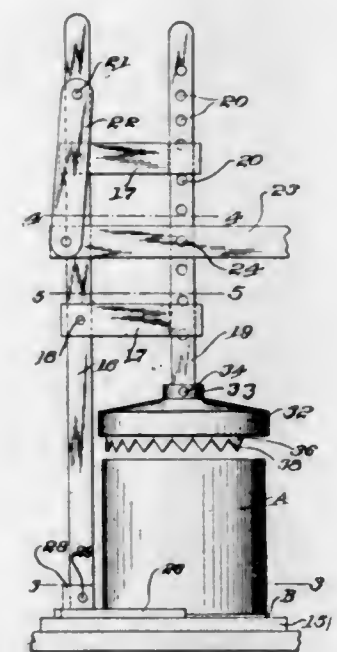
and means for completing a circuit of the motor through said drum controller and the limit switch to effect intermittent feeding movements of the motor at a constant rate per revolution of said spindle.

1,521,270. VACUUM PUMP. PAUL G. BOGDANOFF, Battle Creek, Mich. Filed Dec. 27, 1919. Serial No. 347,721. 10 Claims. (Cl. 230-14.)



1. In a vacuum pump; a casing having a central fluid chamber having an inlet for fluid; a suction chamber surrounding the fluid chamber having an inlet for gaseous fluids; and a discharge chamber surrounding the suction chamber having an outlet; a rotary impeller mounted in the fluid chamber extending into the suction chamber; oppositely disposed relatively adjustable annular perforated plates within the suction chamber forming between them a suction gap through which the fluid discharged from the impeller passes into the discharge chamber; and means for relatively adjusting the said annular plates in said suction chamber to regulate the width of the suction gap.

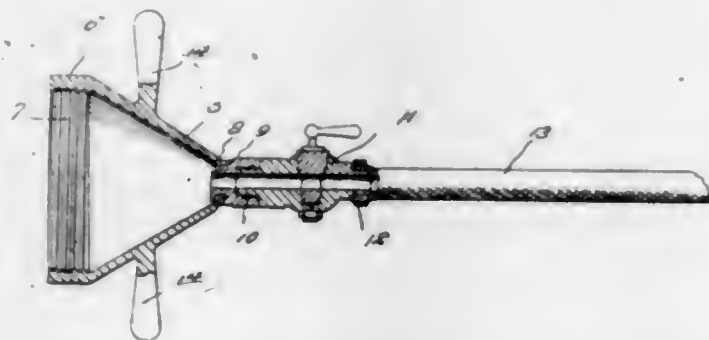
1,521,271. CAN OPENER. DANIEL B. BOON, Roseburg, Oreg. Filed Sept. 19, 1921. Serial No. 501,609. 1 Claim. (Cl. 30-3.)



In a can opening machine, a base, an upright rising therefrom and adapted to support the cutter, and centering means for the can for properly positioning the same upon the base, comprising a plate disposable upon the base and slotted for engagement upon the upright, said plate having a semi-circular recess for receiving a can, the

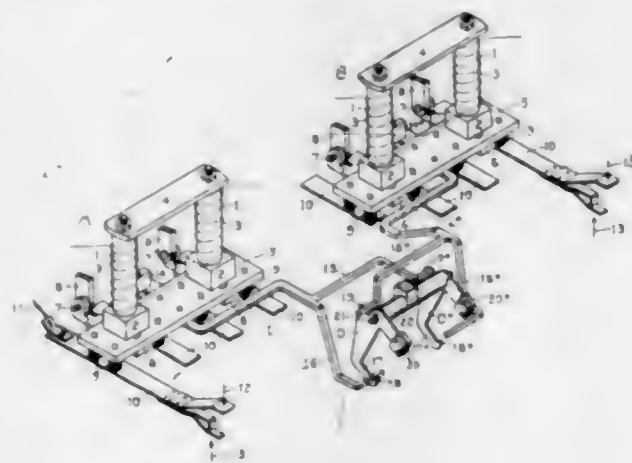
recess having its edge under cut to define a flange overlying the head at the bottom of a can, and a U-shaped clip engaged upon the upright and engaging against the slotted portion of the plate for holding the latter against upward displacement in case of a tendency to lift the can from the base.

1,521,272. GREASE-GUN ATTACHMENT. LAWRENCE N. BROOKS, Chamberlain, S. Dak. Filed Dec. 18, 1923. Serial No. 681,428. 2 Claims. (Cl. 184-105.)



1. In an attachment for grease guns, a cut-off valve, a cup shaped member swivelly connected to the outlet nipple of said valve and being internally screw-threaded at its opposite end whereby the same may be positioned upon the hub of a vehicle wheel, and means at the inlet nipple of said valve for attachment to a grease gun for the purposes described.

1,521,273. INTERLOCKING RELAY. STANLEY CHARLES BRYANT, Chicago, Ill., assignor to Bryant Zinc Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1920. Serial No. 406,393. 4 Claims. (Cl. 200-50.)

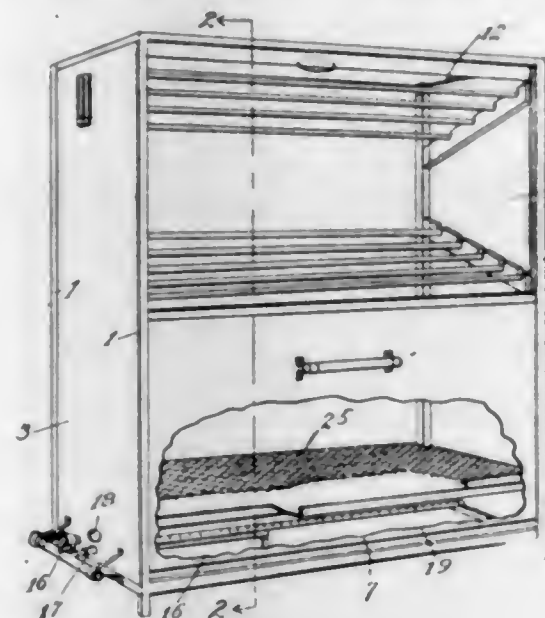


1. An interlocking relay comprising two electromagnets having armatures hinged at the rear edge and arranged end to end and with their pivotal axes substantially in line, a plurality of insulated contact fingers attached to each armature, a bent locking arm fastened to each armature and projecting forwardly with respect to said armatures, and two counterweighted hook-shaped latches pivotally supported on an axis substantially parallel with the pivotal axes of said armatures and arranged to be actuated separately by the dropping of one arm to lock up the other arm.

1,521,274. CLOTHES DRIER. LEWIS G. CAMPBELL, Cincinnati, Ohio, assignor to The Puritan Cabinet Dryer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 22, 1924. Serial No. 708,279. 5 Claims. (Cl. 34-19.)

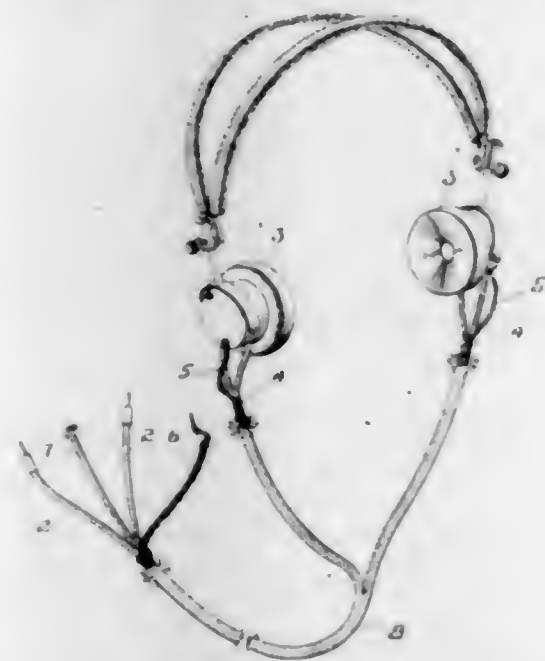
1. In a clothes drier, the combination with a closed metallic casing with the upper portion of the front open

across its entire extent, and a metallic door to close said opening, adapted to slide parallel with the front wall to open the casing for free access to the upper



portion thereof, a gas burner in the bottom of the casing, with a wooden rack relatively fixed in the upper portion of the casing for the support of the clothes to be dried.

1,521,275. TELEPHONE HEADSET. GLENN W. CARPENTER and WENDELL L. CARLSON, Schenectady, N. Y. Original application filed Jan. 29, 1921. Serial No. 440,992. Divided and this application filed Apr. 25, 1924. Serial No. 709,050. 5 Claims. (Cl. 179-156.)

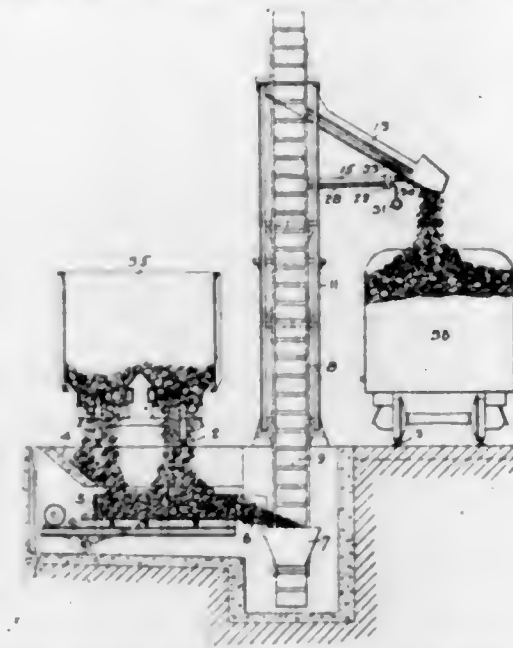


1. A telephone headset, comprising in combination a pair of electromagnetic sound reproducing devices, an insulated conductor connecting said devices, a flexible braided shield surrounding said conductor, said shield consisting of woven twisted conductors and a protecting braid about said shield.

1,521,276. APPARATUS FOR COALING LOCOMOTIVES. EDWARD U. CAVE, Lancaster, Ohio, and WALTER J. BLENKO, Pittsburgh, Pa., assignors, by mesne assignments, to The Fairfield Engineering Co., Marion, Ohio, a Corporation of Ohio. Filed July 19, 1921. Serial No. 485,873. 10 Claims. (Cl. 214-41.)

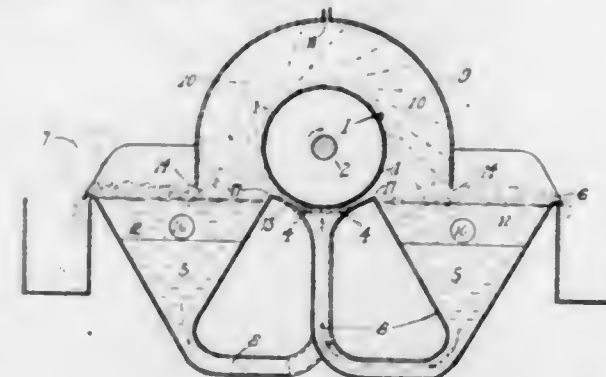
1. Apparatus for transferring material from a rail car to a locomotive tender or other car comprising two adjacent railway tracks, a pit beneath one of said tracks,

a second pit disposed between said tracks, means for transferring the material from said first pit into said second pit, a conveyor between the adjacent tracks com-



municating with said second pit and arranged at right angles to the direction of feed of said transferring means for elevating the material, and means for discharging the said material into the receiving car.

1,521,277. APPARATUS FOR THE CONCENTRATION OF ORES. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Jan. 3, 1921. Serial No. 434,607. 3 Claims. (Cl. 83-85.)

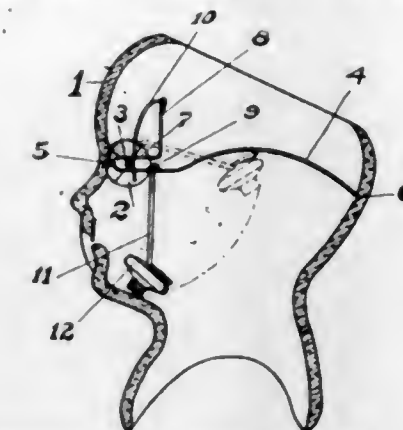


1. In an apparatus for concentrating ores by froth flotation, the combination of a chamber having a centrally located trough, said trough being relatively narrow as compared to the width of the sections of the chamber to each side thereof; conduits connecting the outer portions of the chamber to the bottom of the trough; a smooth imperforate cylindrical body located in line with the trough, the lower portion of the body dipping into the trough to a slight extent only; means for rotating said body; and a housing located above the body in spaced relation thereto, the side walls of the body terminating in proximity to the pulp level, and likewise being spaced away from the outer walls of the chamber.

1,521,278. REFINING OF PETROLEUM OIL. EDGAR M. CLARK, New York, N. Y., assignor to Standard Developing Company, a Corporation of Delaware. Filed July 3, 1919. Serial No. 308,646. 2 Claims. (Cl. 196-26.)

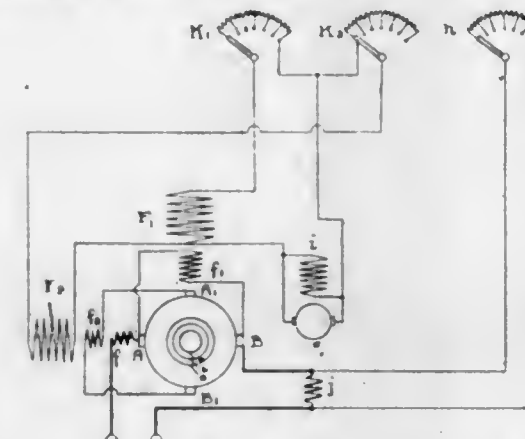
1. The method of refining petroleum distillates of high sulphur content which consists in treating the same with 66° Baumé sulfuric acid, separating the treated oil, redistilling to leave a bottom of high sulphur concentration, again treating the distillate with 66° Baumé sulphuric acid and redistilling as before, whereby there is obtained a distillate of minimum sulphur content with a minimum refining loss.

1,521,279. SLEEPING DOLL'S HEAD. AARON COHN, Toronto, Ontario, Canada. Filed Apr. 19, 1923. Serial No. 633,179. 5 Claims. (Cl. 46-40.)



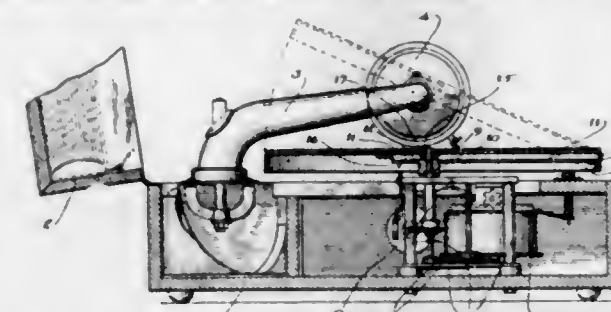
1. In a sleeping doll's head, a bridge comprising a curved bar adapted to span the front and rear of the head interior, prongs projecting from the opposing extremities of said bar, said prongs being adapted to be embedded in the walls of the head by elongation of the bar through straightening of its curvature; a pair of spring-pressed eyes floatingly supported upon said bar, and a pendulum actuating the opening and closing thereof.

1,521,280. ROTARY CONVERTER. RENÉ DE BRUYN, Mont-sur-Marchienne, Belgium. Filed Feb. 24, 1921. Serial No. 447,575. 4 Claims. (Cl. 171-123.)



1. In a rotary converter, the combination with a revolving member having slip rings, a commutator and brushes on the said commutator, a stationary member having a field winding at right angles from the brush line, and connected with the terminals of a compound exciter, a second field winding arranged coaxially with the brush line, and also connected with the terminals of the said compound exciter, means for adjusting the ampere-turns of said field windings, and means for varying the ampere-turns of the series excitation of the compound exciter.

1,521,281. PHONOGRAPH. LUIS DE FLOREZ, Pomfret, Conn. Original application filed Dec. 29, 1922. Serial No. 609,604. Divided and this application filed Feb. 20, 1924. Serial No. 694,070. 6 Claims. (Cl. 274-39.)



1. In a phonograph having a motor, a spindle, and a turntable, means secured to said spindle for supporting and rotating said turntable, said turntable being

pivotally connected to said means at a point distant from the center of said table in such a manner that said table may be swung on said pivot whereby the interior of the phonograph is exposed.

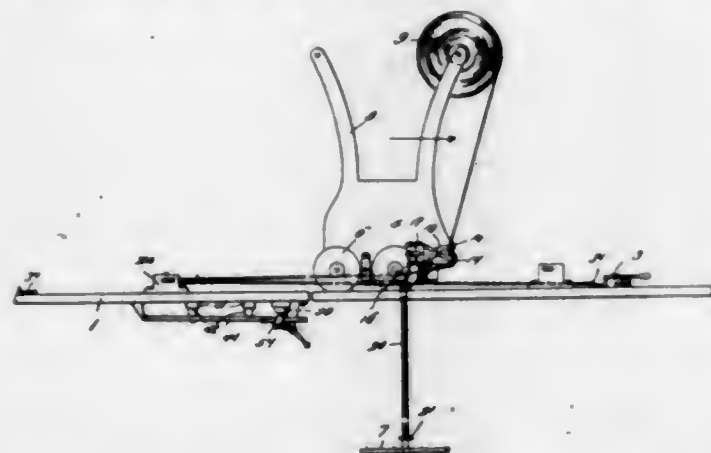
1,521,282. ART OF REFINING OILS. STERLING H. DIGGS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Jan. 31, 1921. Serial No. 441,444. 6 Claims. (Cl. 196-41.)

1. The process of refining residual hydrocarbon oil which comprises subjecting the oil to the action of sulfuric acid, settling out sludge, and treating the oil with an aqueous suspension of finely dispersed hydrated lime.

1,521,283. ART OF REFINING OILS. STERLING H. DIGGS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Jan. 31, 1921. Serial No. 441,446. 7 Claims. (Cl. 196-40.)

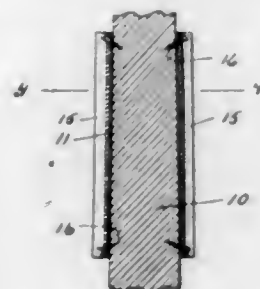
1. The process of acid treating hydrocarbon oil for the formation of readily stratifying sludges which comprises subjecting the oil to the action of sulfuric acid; subsequently, and before removing the sludge, adding fuming sulfuric acid to the oil, and separating the resulting combined sludge.

1,521,284. CLOTH LAYING AND FOLDING MACHINE. MORRIS DORMAN, Baltimore, Md. Filed Apr. 25, 1924. Serial No. 709,026. 10 Claims. (Cl. 270-30.)



1. A cloth laying machine comprising a table, cloth clamping means mounted thereon, a track disposed longitudinally of the table, a carriage mounted for reciprocal movement upon the track, a platform attached to the carriage and disposed at the side edge of the table, cloth shearing means mounted upon the carriage and means for operating the cloth shearing means and adapted to be operated by one occupying the platform.

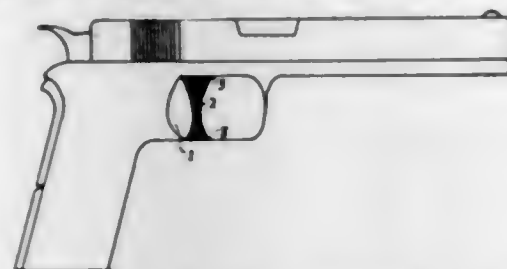
1,521,285. TELEPHONE AND TELEGRAPH POLE. AXEL E. ERICKSON, Omaha, Nebr. Filed Oct. 15, 1923. Serial No. 668,714. 1 Claim. (Cl. 20-100.)



Protective means for a pole adapted to be driven into the ground, comprising a sheet metal sheathing engaged about the pole at a point to extend above and below the ground line, the edges of the sheathing being secured in

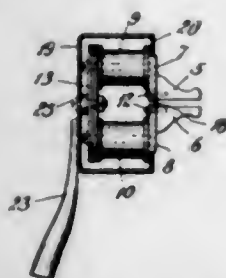
overlapping relation, a plurality of elongated channel bars disposed against the sheathing and arranged to extend longitudinally of the pole, and securing elements passing through the ends of the channel bars and penetratingly engaging within the pole, said securing elements being inclined and converging toward the longitudinal axis of the pole.

1,521,286. TRIGGER FOR FIREARMS. ERNEST L. FISHER, New Brunswick, N. J. Filed Apr. 9, 1924. Serial No. 705,274. 9 Claims. (Cl. 42-69.)



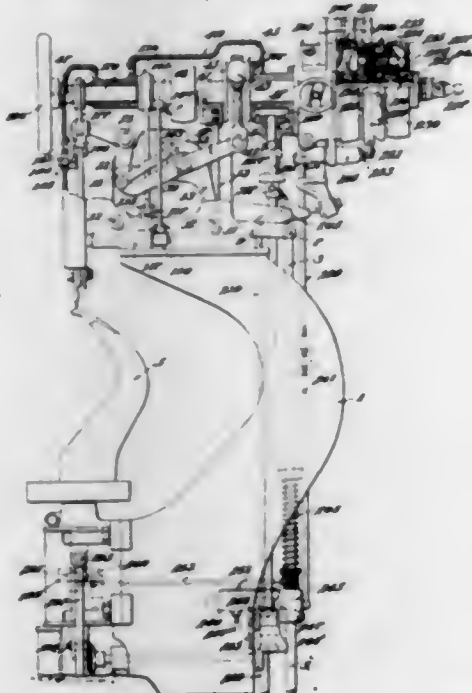
1. A trigger for firearms, comprising a trigger piece having a roller mounted thereon for engagement by the finger during the depressing of the trigger to discharge the firearm.

1,521,287. ACOUSTIC APPARATUS. HUGO GERNSBACH, New York, N. Y. Filed May 19, 1923. Serial No. 640,120. 12 Claims. (Cl. 179-107.)



1. In an acoustic apparatus, an electromagnet having vibratile pole pieces and separated osseous vibration transmitting members actuated thereby.

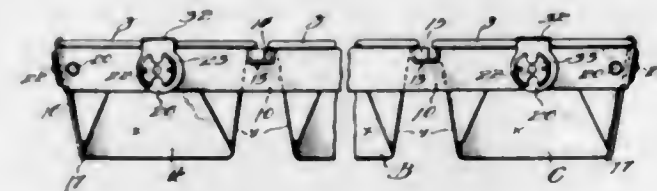
1,521,288. SEWING MACHINE. JOSEPH GOLDBOURN and FRED RICKS, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 3, 1921. Serial No. 442,040. 25 Claims. (Cl. 112-34.)



1. A shoe sewing machine having, in combination, a needle, mechanism for actuating the needle comprising an oscillating lever, two links pivotally connected to turn

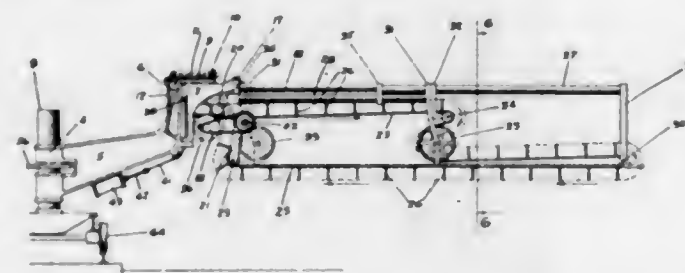
about a common axis, a pivotal connection between one of said links and said oscillating lever, connections between the other link and the needle, a presser foot, a work support, and a connection acting upon a change in the relative position of the presser foot and work support to swing said pivotal connection of said links about the axis of said pivotal connection between one of the links and the oscillating lever to vary the needle stroke.

1,521,289. CLAMP FOR BAKING PANS AND THE LIKE. HENRY J. GUTTMAN, Chicago, Ill. Filed Mar. 4, 1922. Serial No. 541,057. 16 Claims. (Cl. 53-6.)



1. In combination with a plurality of pans having out-turned upper edges and arranged side by side, a strapping positioned upon each of the opposite ends thereof and adapted to underlie an outturned edge of each pan, there being a slot in the strapping adjacent each pan, a bolt entered through each slot having its head rested against the inner side of the strapping, a hook plate and an eccentric disk mounted therein, the hook portion of the plate being engaged with the wire edge of the pan and the bolt passing through the disk at an off-center point, and means threaded to the bolt for clamping the plate and disk, and adapted when tightened thereagainst to maintain the same against rotation, substantially as described.

1,521,290. BOX-CAR UNLOADER. FRANK L. HAGUE, Minneapolis, Minn., assignor to Fegles Construction Company, Limited, Fort William, Ontario, Canada, a Corporation of Canada. Filed Mar. 25, 1921. Serial No. 455,501. 19 Claims. (Cl. 214-44.)

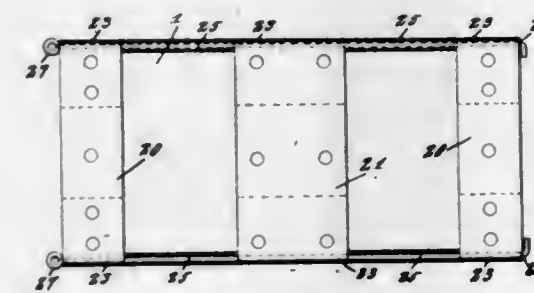


1. A car unloading apparatus comprising a suitable frame, an unloader belt carried thereby and provided with a plurality of brushes, said belt and brushes being mounted to rock in their supports to adjust the brushes for sweeping the angle of the car between its floor and side wall when the car is tilted on a longitudinal axis.

1,521,291. FOLDING BOX. ASA B. HARRIS, Vienna, Ill. Filed Dec. 10, 1923. Serial No. 679,711. 1 Claim. (Cl. 217-14.)

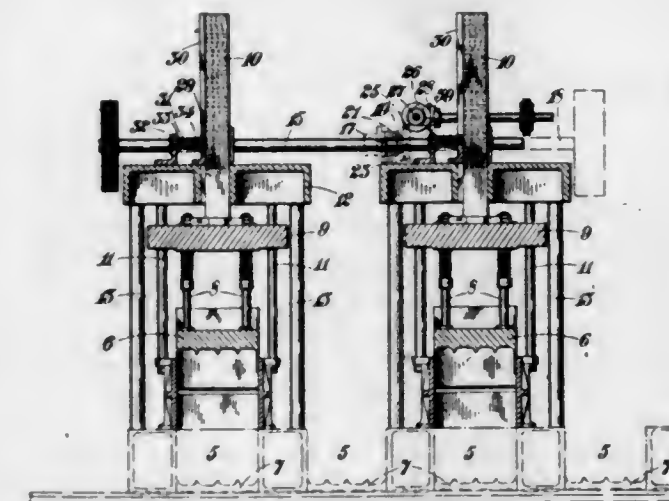
A box comprising a front, a back, a top, a bottom, ends, and a partition located between the ends; U-shaped hinge plates receiving the extremities of the front and the back and U-shaped hinge plates receiving the extremities of the ends, the plates of the front and the back and the plates of the ends having alternating sockets, hinge pins in the sockets; reinforcing plates applied to the outer surfaces of the front and the back, hinge plates applied to the inner surfaces of the front and the back, the last specified hinge plates having sockets, U-shaped hinged plates receiving the extremities

of the partition and provided with sockets alternating with the sockets of the hinge plates on the inner surfaces of the front and the back, hinge pins mounted in the last specified sockets, securing elements passing through the front and the back, and connecting the reinforcing plates with the hinge plates on the inner surfaces of the front and the back; strips extended across the top and the bottom at the ends thereof, intermediate strips extended across the top and the bottom, the end strips and the intermediate strips being provided with flanges overlapping the inner surfaces of the top and the bottom,



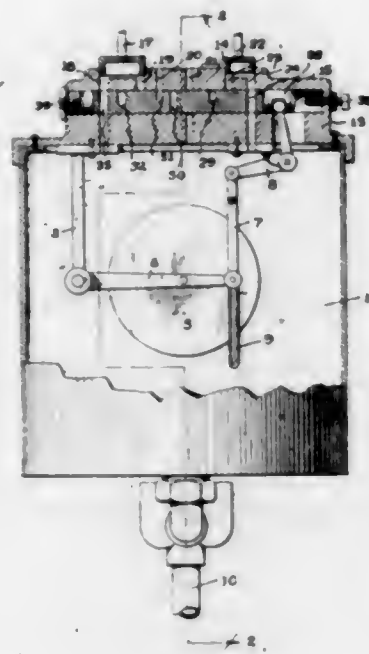
and there being sockets where the flanges join the body portions of the said strips, U-shaped strips straddled on the upper edges of the front and the back, and having sockets alternating with the sockets formed in the strips on the top and the bottom, and hinge pins passing through the sockets formed by the strips on the top and the bottom and through the sockets formed in the U-shaped hinge plates on the edges of the front and the back, two of the last specified hinge pins at diagonally opposite the edges of the box being fixed and two of the last specified hinge pins at the remaining diagonally opposite edges of the box being removable.

1,521,292. MOLDING APPARATUS. JOHN STANLEY HARRISON, London, England, assignor to Macnab Stratified Coal Limited, London, England, a British Company. Filed May 1, 1924. Serial No. 710,255. 9 Claims. (Cl. 25-41.)



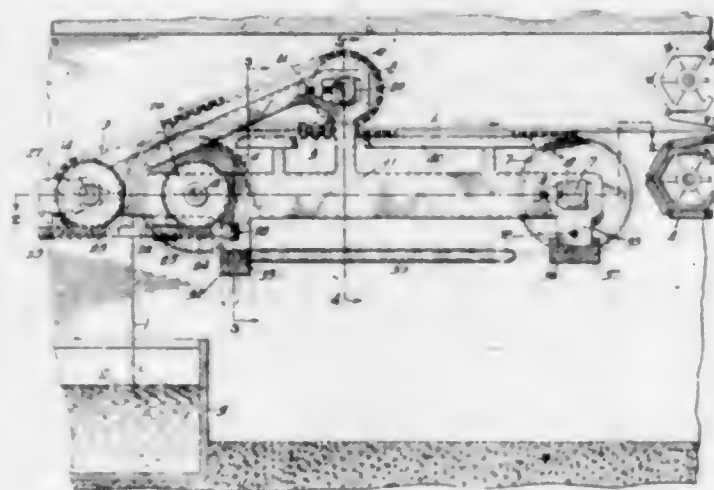
1. In molding apparatus of the type specified the combination with a pressure-plunger of an elevator mechanism for said plunger, means periodically to actuate said elevator so as to lift the pressure-plunger to a certain height and then to release it, a holding mechanism to support the plunger in the raised position, means actuated in step with the operation of the elevator to engage said holding mechanism with the plunger when the latter is freed by the elevator, to maintain it engaged for a predetermined time and then to release it.

1,521,293. FUEL TANK. ROBERT H. HAZELTINE, New York, N. Y. Filed June 17, 1921. Serial No. 478,333. 6 Claims. (Cl. 103-236.)



1. In a device of the kind described, a plurality of containers discharging into a common outlet, a source of vacuum, a source of liquid supply, valve mechanism responsive to the liquid level in one of the containers for connecting said container either to vacuum and liquid supply, or to atmosphere, and valve mechanism operable independently of the first mentioned valve mechanism but responsive to the liquid level in another container and under the control of said first valve mechanism for connecting said other container either to vacuum and liquid supply or to atmosphere.

1,521,294. METHOD AND APPARATUS FOR DRAWING SHEET GLASS. JOHN C. HENDERSON, New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 10, 1923. Serial No. 673,882. 10 Claims. (Cl. 49-17.)

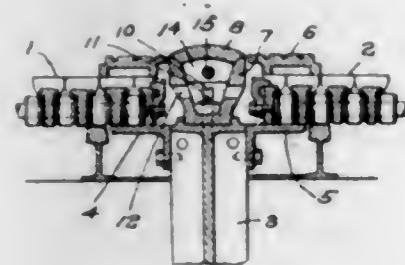


10. In a sheet glass drawing apparatus, means for bending the sheet from the vertical to the horizontal plane, comprising a pair of cooperating chain-loops at each edge of the sheet, the sheet edge being gripped and carried between adjacent runs of the loops, a driving sprocket carrying one end of each loop, and an idler sprocket carrying the other end, a supporting frame in which all of the sprockets are mounted, and means for varying the inclination of this frame with respect to the center line of the glass sheet.

1,521,295. DRY CELL. HOMER D. HOLLER, Leonia, N. J., assignor to Diamond Electric Specialties Corporation, Newark, N. J., a Corporation of New Jersey. Filed May 12, 1921. Serial No. 469,000. 12 Claims. (Cl. 204-38.)

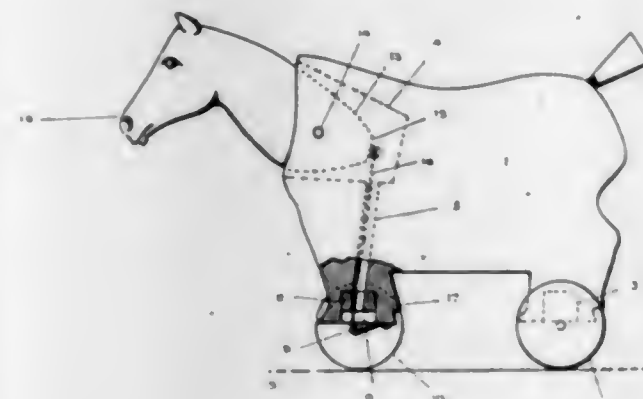
12. The method of preparing a paste for "dry" batteries which comprises adding to wheat flour containing ammonium chloride sufficient ammonium bromide to permit pouring and to cause setting substantially at normal temperatures.

1,521,296. GRATE STRUCTURE. BARRIS B. HOLT, Dormont, Pa., assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 9, 1923. Serial No. 673,708. 2 Claims. (Cl. 110-40.)



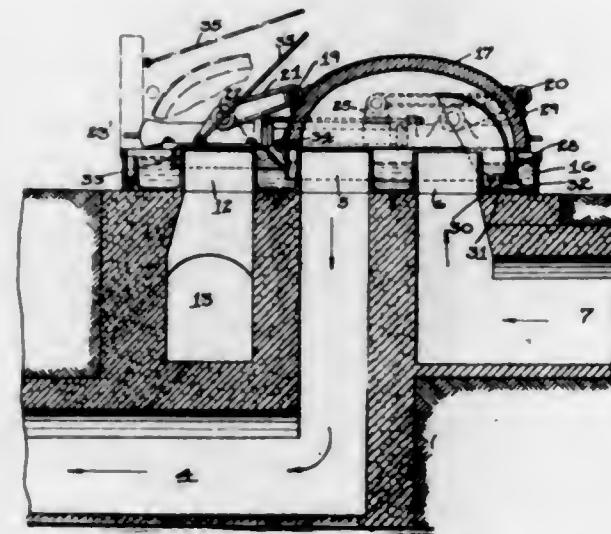
1. In a furnace structure the combination with opposite furnace walls and a grate structure extending horizontally from wall to wall and dividing the space between the walls into an ash pit beneath and a combustion chamber above, said grate structure being composed of a stationary grate-section and a plurality of movable grate sections, the stationary grate section affording end support for said movable sections, the movable grate sections being pervious to streams of combustion-sustaining air from the ash pit beneath to the combustion chamber above, and said stationary grate section being hollow and ported to the ash pit beneath and to the combustion chamber above.

1,521,297. TOY. JAMES SHIRLEY HOPE, Portsmouth, Va. Filed Oct. 8, 1923. Serial No. 667,266. 1 Claim. (Cl. 46-45.)



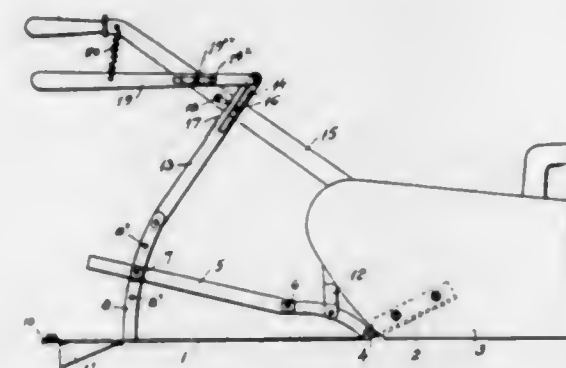
In a toy, the combination of a body portion; a movable element pivotally mounted in said body portion; wheels rotatably mounted on said body portion; a crank arm adapted to be rotated by said wheels; an operating cord having one end fastened to said body portion and the other end fastened to said movable element, said cord being disposed in the path of rotation of said crank arm.

1,521,298. REVERSING APPARATUS FOR HEATING FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 578,221. 9 Claims. (Cl. 277-6.)



1. The combination with a regenerative furnace wherein combustion is supported by air under pressure, of reversing apparatus for said furnace constituted by duplicate pairs of uninclosed hoods at each end.

1,521,299. PLOW. JOHAN WILLIAM JOHANSSON, Njurunda, Sweden. Filed Apr. 3, 1922. Serial No. 549,320. 1 Claim. (Cl. 97-129.)



An attachment for a plow comprising a separate frame pivotally connected to the body of the plow including a slide bar, a second bar also pivotally connected to the plow body, an upright on the bar, means for adjustably connecting the second bar with the upright, rotatable disc-like cutting members arranged on the frame for simultaneously cutting the ridge into layers as the ridge is turned by the plow body, and a manually operable member connected with the upright for raising or lowering the cutting members, substantially as and for the purposes set forth.

1,521,300. METHOD OF ATTACHING SEPARATE BORDERS TO HOUSEHOLD LINENS. EVELINE FLORENCE JOHNSON, Forest Hills Gardens, Long Island, N. Y. Filed Mar. 14, 1923. Serial No. 625,169. 3 Claims. (Cl. 2-278.)

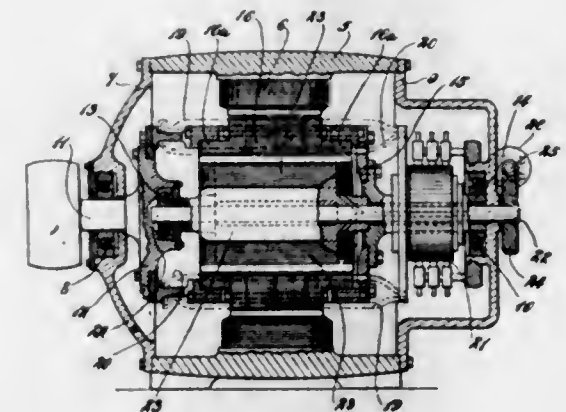
1. A method of attaching borders and mitering the corners of the same in the manufacture of napkins or analogous articles, which consists in attaching separate strips of longitudinally folded material to the edges of a

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center piece of material, thereafter attaching the adjacent ends of the strips together, and then folding the layers of one strip back upon themselves and along a diagonal line to cause the end of the other strip to be disposed between the folded ends and against the line of the longitudinal fold of the first strip.



1,521,301. DYNAMO-ELECTRIC MACHINE. THOMAS STANLEY JONES, Newport, England. Filed June 14, 1922. Serial No. 568,210. 3 Claims. (Cl. 171-252.)



1. A dynamo electric machine of the type comprising a rotatable cylindrical armature, a fixed pole system exterior to such armature, a normally fixed but adjustable pole system interior of such armature, end plates attached to and carrying the cylindrical armature, a solid shaft connected to one end plate, a hollow shaft connected to the other end plate, a normally fixed but angularly adjustable shaft on which is mounted the interior pole system, the said normally fixed shaft passing through said hollow shaft, a bearing concentric with the end plate having the solid shaft connected thereto and carried by said solid shaft, for supporting one end of the normally fixed shaft and an exterior casing provided with a bearing for the other end of such normally fixed shaft.

1,521,302. GAS BURNER. JAMES KELLY and FREDERICK C. VOLKMAN, Baltimore, Md., assignors to Cities Illuminating Co., New York, N. Y., a Corporation of New York. Filed Aug. 8, 1921. Serial No. 490,619. 4 Claims. (Cl. 67-16.)

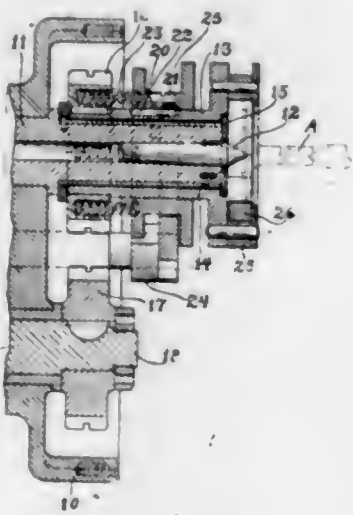
1. In a burner of the class described, in combination, a burner tube formed with a horizontal portion at its upper end, and a nozzle communicating with said horizontal

zontal portion, a flush tube extending into said horizontal portion, said tube having a closed end and a laterally



extending orifice adapted to project the flushing charge laterally through the horizontal portion of the burner tube to the nozzle.

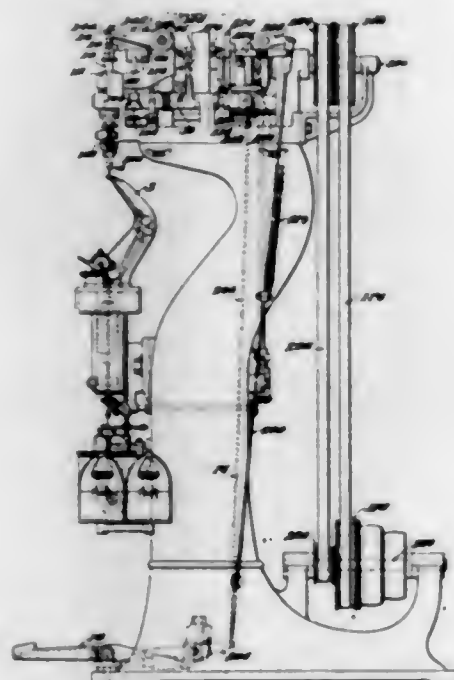
1,521,303. WORK SUPPORTING AND ROTATING CHUCK. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 7, 1922. Serial No. 580,267. 15 Claims. (Cl. 82-40.)



1. A work driver for metal reducing machines, comprising in combination, a spindle, a sleeve rotatably mounted thereon, an axially movable collar on said sleeve, rotatable work engaging members supported on said sleeve, and means operated by axial movement of the collar to move the work engaging members into operative position.

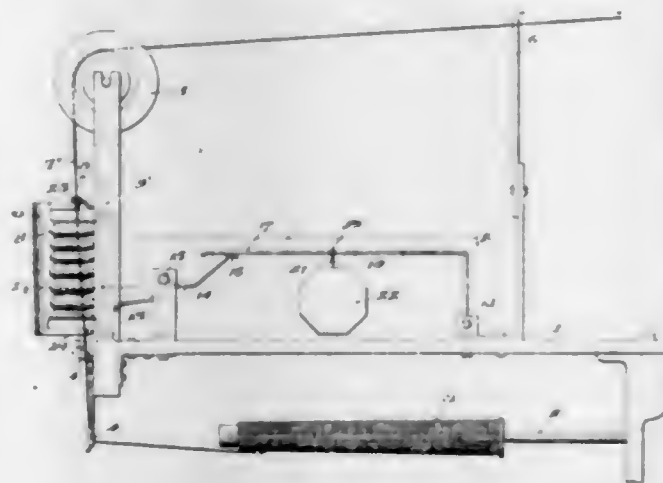
10. A work driver for metal reducing machines, comprising in combination, a spindle, a sleeve rotatably mounted thereon, an axially movable collar on said sleeve, work engaging members supported on said sleeve, a plurality of spirally grooved members fixed to said collar and adapted, when the collar is moved axially, to move the work engaging members into operative position, and means to move said collar in either direction.

1,521,304. SEWING MACHINE. ROBERT H. LAWSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1918, Serial No. 258,677. Renewed Nov. 23, 1923. 18 Claims. (Cl. 112-34.)



1. A sewing machine having, in combination, a needle bar, a crank, a toggle, a pitman directly connecting the crank with the knee of the toggle, and means connecting the outer end of one arm of the toggle with the needle bar whereby the rotation of the crank effects the actuation of the needle.

1,521,305. TENSION DEVICE. RAPHAEL LEMIEUX, New Bedford, Mass. Filed May 27, 1924. Serial No. 716,241. 6 Claims. (Cl. 242-154.)

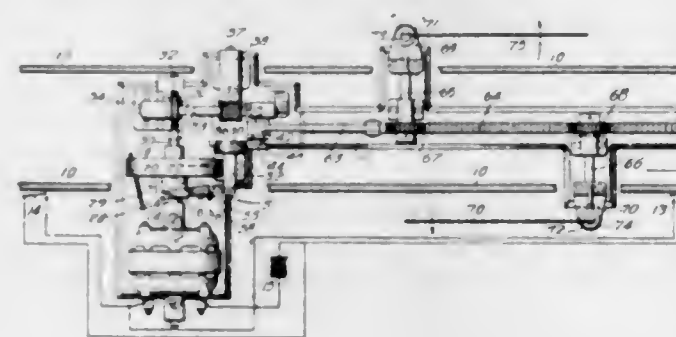


1. In a thread tension device, a frame, a pair of vertical opposed corrugated jaws, a vertical pin connected at its ends to the frame and pivotally connected to the jaws at points between the front and rear sides thereof, the front sides of the jaws being relatively diverged, relatively divergent wings on the rear sides of the jaws, one of the jaws having upper and lower thread guides, a substantially Z-shaped actuating member pivoted to the frame and having a curved nose at one end thereof wipingly engaged with the wings, a substantially inverted L-shaped lever pivoted at the lower end of its vertical leg to the frame and having the free end portion of its horizontal arm engaging the opposite end of the actuating member, and a weight adjustable on the horizontal arm of the lever.

1,521,306. METHOD OF TREATING WATER. JOHN R. McDERMET, Jeannette, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,701. 7 Claims. (Cl. 210-24.)

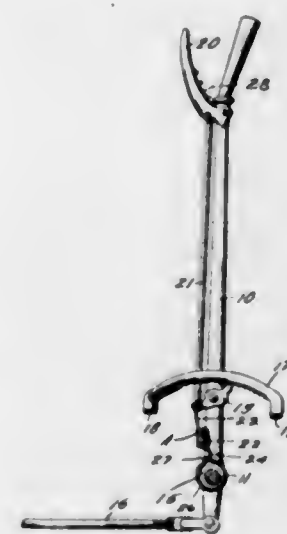
1. The method of treating feed-water which consists in extracting from the water to be heated the air and other gases dissolved therein, and simultaneously precipitating therefrom bicarbonates of calcium and magnesium to an extent in excess of their solubility as carbonates, and then subjecting the water to the action of a zeolite, substantially as described.

1,521,307. RAILWAY GATE. NERSES HAROUTIN MAHESIAN, Watertown, N. Y. Filed Mar. 22, 1923. Serial No. 626,880. 5 Claims. (Cl. 246-240.)



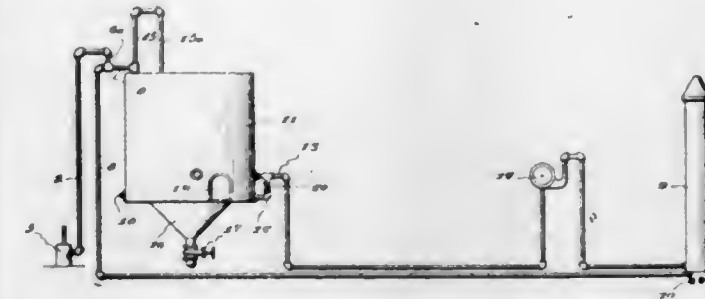
1. The combination with movable gates of a reciprocating rack, a crank arm connected with the rack, a train of gearing, means to at times connect the crank arm with the train of gearing, a motor, a friction clutch interposed between the motor and the gearing, means actuated by the mechanism of the motor for actuating the friction clutch, means actuated from the friction clutch to engage the crank arm with the train of gearing.

1,521,308. BRAKE-LEVER SPRING. JACK E. MESSENGER, Des Moines, Iowa. Filed May 14, 1924. Serial No. 713,328. 3 Claims. (Cl. 74-39.)



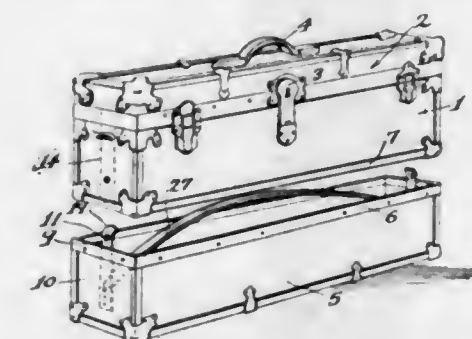
1. In combination with a brake lever assembly, a brake lever spring comprising a spring wire formed into a coil with ends extending in opposite directions, a hook formed on one of said ends adapted to engage a movable part of said brake lever assembly and an open loop formed on the end to engage a nonmovable part of the brake lever assembly for anchoring the same thereto, the free end of said loop having a hook thereon for permitting the loop to be closed.

1,521,309. OIL SEPARATOR. STEPHEN A. MILLER and WILLIAM J. MCCARTHY, Bakersfield, Calif. Filed June 20, 1923. Serial No. 646,631. 4 Claims. (Cl. 183-32.)



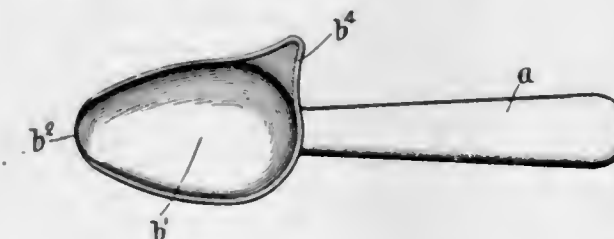
1. In an apparatus of the character specified the combination with a separating tank having a sand discharge valve, of a settling tank surrounding the separating tank and adapted to receive the liquid overflow from the separating tank, a hot water supply pipe outlet coil in said separating tank and submerged in the liquid therein, a heater for the water and having connection with the hot water supply pipe, and a return pipe connected to the heater and having branches communicating with said settling and said separating tanks.

1,521,310. COMBINATION TOOL CASE. CLYDE F. MORAN, Southgate Gardens, Calif. Filed Mar. 15, 1923. Serial No. 625,234. 4 Claims. (Cl. 206-16.)



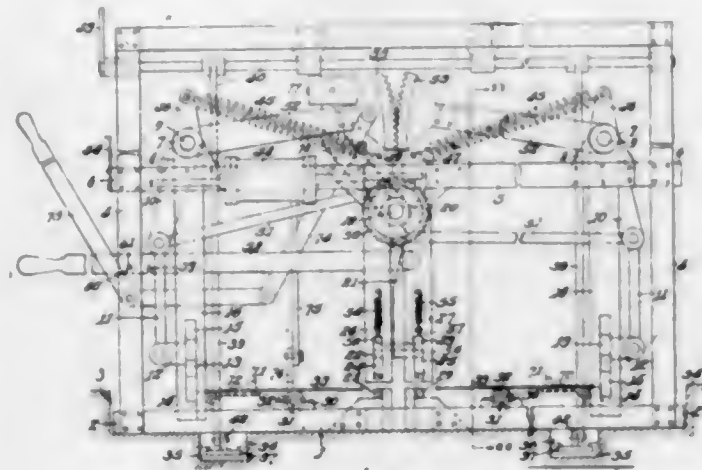
1. In a case, a lower section open at the top, an upper section adapted to close the opening in said lower section, interior means, adapted to extend from one section into the other section, to secure said sections together, and means, accessible from within said upper section, for releasing said securing means, said upper section being provided with a cover, and said releasing means being provided with a guard.

1,521,311. KNIFE. GREGORIO MRABUENO, New York, N. Y. Filed Mar. 18, 1924. Serial No. 700,181. 2 Claims. (Cl. 30-9.)



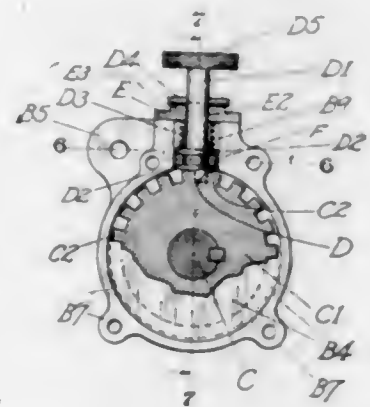
1. As an article of manufacture, a knife for peeling citrus fruits comprising, in combination, a handle, a blade having a concave substantially spherical surface the edge of said blade being formed substantially opposite the juncture of the blade and handle as a wedge shaped cutting edge and said blade being formed of increasing thickness rearwardly to form an abutment for a thumb rest adjacent the point of connection with the handle.

1,521,312. APPARATUS FOR TRIMMING AND PERFORATING SHEET-METAL PACKS. PAUL NELSON, Morgantown, W. Va., assignor of forty-five one-hundredths to Ira S. Gomas and ten one-hundredths to Thomas J. Murphy, both of Martins Ferry, Ohio. Filed Nov. 24, 1923. Serial No. 676,720. 9 Claims. (Cl. 164-49.)



1. Mechanism for trimming and perforating sheet metal packs, comprising two relatively shiftable pairs of the pack to facilitate doubling, and power mechanism transverse line of perforations midway between the ends of the pack to facilitate doubling, and power mechanism for simultaneously actuating said shears and the selected perforating means.

1,521,313. MECHANISM FOR TRANSMITTING MOTION. CYRUS S. OLDBROYD, Cincinnati, Ohio. Filed Nov. 14, 1919. Serial No. 338,065. 11 Claims. (Cl. 74-54.)

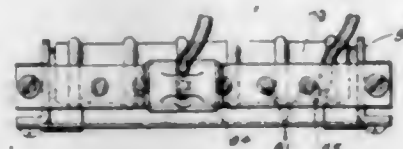


1. In a mechanism of the nature described, the combination of a ratchet wheel mounted for rotation, a rocking structure mounted to rock on the axial line of said wheel, a pawl and pawl stem mounted approximately radial to the axis of the ratchet wheel to permit endwise movement toward and from the ratchet wheel and to be turned on the axis of said stem, means yieldingly pressing said pawl toward said wheel, and adjustable means adapted to lift said stem endwise during a part of each movement of the rocking structure, substantially as described.

1,521,314. MOTOR-DRIVEN PRINTING MACHINE. WALTER B. PAYNE, Rochester, N. Y., assignor to Todd Protectograph Co., Rochester, N. Y., a Corporation of New York. Filed Nov. 12, 1923. Serial No. 674,208. 11 Claims. (Cl. 197-64.)

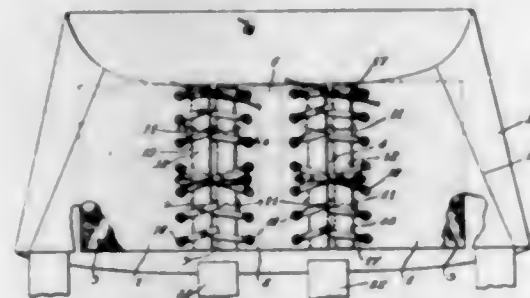
1. The combination with a printing machine of a continuously driven electric motor therefor, mechanism for

alternately connecting said motor to and disconnecting it from said machine to effect intermittent operation of the



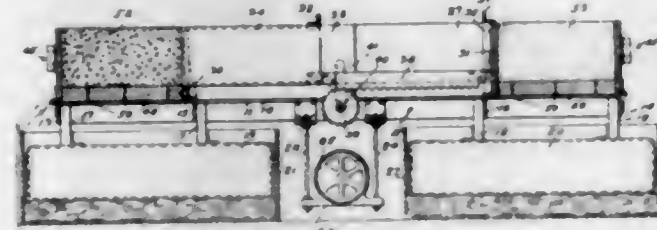
latter, and electric speed regulating apparatus for said motor operated automatically by said mechanism to compensate for the intermittent application of load thereto.

1,521,315. ABDOMINAL SUPPORT. ISAAC MERRICK PEASE, Cincinnati, Ohio, assignor to The Ohio Truss Company, Cincinnati, Ohio. Filed Feb. 15, 1923. Serial No. 619,149. 2 Claims. (Cl. 2-38.)



1. A back member for a belt, comprising side pieces and a center piece located therebetween, a flexible one-piece tongue disposed behind the side pieces and the center piece and bridging the space between the side pieces and the center piece, means for permanently securing the intermediate portion of the tongue to the intermediate portion of the center piece to form free ends in the tongue, and laces forming an extensible connection between the center piece and the side pieces the ends of the tongue being of sufficient length so as to extend laterally in opposite directions beyond the points of connection between the laces and the side pieces.

1,521,316. APPARATUS FOR PRODUCING CONCRETE CASTINGS. JOHN C. PELTON, Pasadena, Calif. Filed Nov. 21, 1921. Serial No. 516,595. 6 Claims. (Cl. 25-41.)

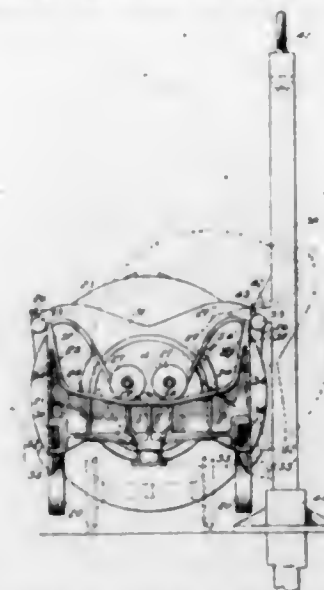


6. An apparatus of the class described, comprising a pair of oppositely disposed molding flasks having a removable bottom and side walls, a group of mold forms for each of said flasks joined together to move in unison, means for projecting said groups of mold forms alternately into and out of said flasks, a float adapted to support said structure on a fluid, and a flask vibrating mechanism.

1,521,317. HOT-METAL CAR. JOHN D. PUGH, Baltimore, Md. Filed June 4, 1918. Serial No. 238,199. 27 Claims. (Cl. 22-82.)

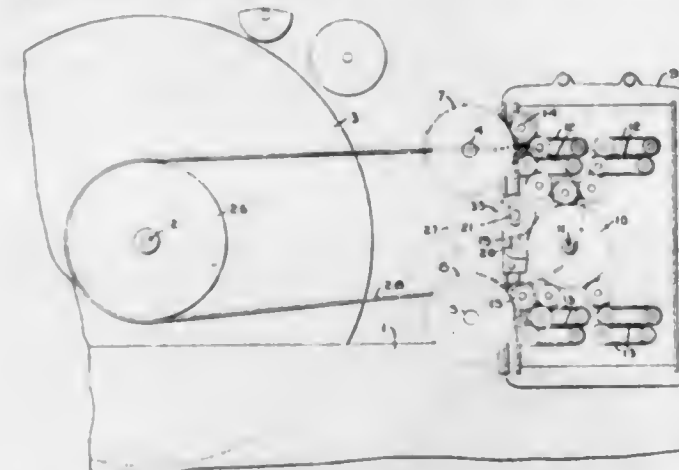
1. A hot metal car including in combination, a tiltable ladle having a spout, a car body, means supporting the

ladle on the body for lateral and tilting movements, and means for causing the spout to travel in a predetermined



path when tilting including a guideway similar to said path and a pin on the ladle aligned with said spout engaging said guideway.

1,521,318. VARIABLE-SPEED-DRIVING MECHANISM FOR CONDENSERS. WALTER T. PUTNAM, North Andover, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a Corporation of Massachusetts. Filed June 28, 1924. Serial No. 723,063. 4 Claims. (Cl. 19-153.)

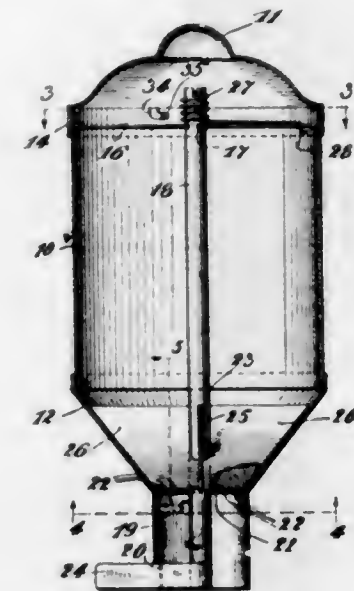


1. A variable speed driving mechanism for driving a condenser from a carding machine comprising a main gear journaled on the condenser for transmitting the movement to the condenser apron driving mechanism, a driving pulley journaled on the carding machine, a driven pulley journaled on the condenser, an endless flexible connector surrounding the two pulleys and acting to drive the one from the other, a plurality of interchangeable gears of different diameters, means for removably and axially connecting either of said interchangeable gears and said driven pulley, and means for adjusting the axis of the driving pulley along an arc having its center at the axis of the driven pulley to permit the intermeshing of either interchangeable gear with the main gear without varying the length of the endless flexible connector.

1,521,319. CONTAINER. FELIX Q. RAST, New York, N. Y., assignor to Lightfoot Schultz Company, Hoboken, N. J., a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,132. 5 Claims. (Cl. 221-62.)

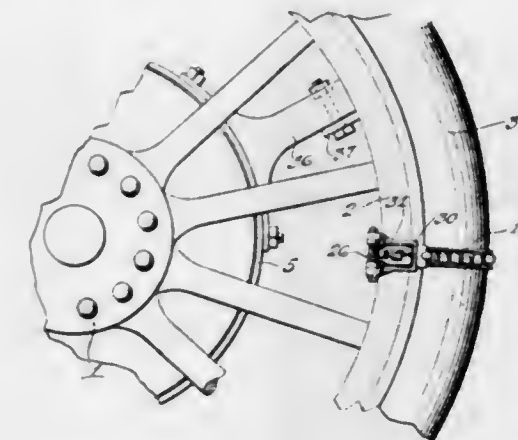
1. In a powder container, in combination, a receptacle, the bottom of which has a plurality of series of perforations, a cylindrical member extending downwardly from the bottom, a revoluble shaft situated perpendicularly

within the container, a plurality of wedge-shaped blades fixedly attached to the shaft, the lower faces of which practically abut upon the inner face of the bottom, closing the perforations when the shaft is in normal position, means exterior of the cylindrical member



whereby the shaft may be revolved from its normal position, removing the wedge-shaped blades from their closure position and means whereby the shaft will be returned to its normal position when released, closing the perforations.

1,521,320. ANTISKID DEVICE. FRED RAU, Milwaukee, Wis. Filed May 26, 1922. Serial No. 563,903. 4 Claims. (Cl. 301-47.)

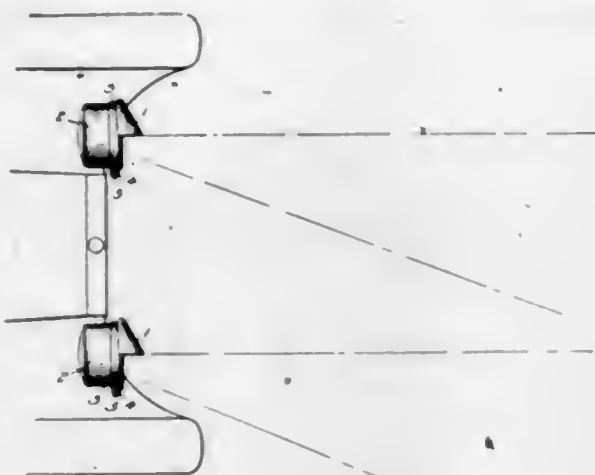


2. An anti-skid device comprising an attaching bracket, an arm pivotally carried by said attaching bracket, an arcuate chain carrying an arm adjustably carried by said first named arm, a locking arm rigidly carried by said pivoted arm, means for moving said pivoted and arcuate arms into operative position, said locking arm adapted to engage said bracket to limit movement of the pivoted and chain carrying arms out of operative position.

1,521,321. AUTOMOBILE HEADLIGHT SCREEN. DANIEL A. REED, Dunkirk, N. Y. Filed Mar. 3, 1924. Serial No. 696,553. 1 Claim. (Cl. 240-48.4.)

The combination with a plurality of headlights for a motor car, and each including a casing, of a screen affixed to the side of each casing and extending in a horizontal direction across the casing and across the projected beam of light, and scoop-shaped extension elements connected with the screens and movable in the same direction be-

road the edges of the screens, horizontally across the light beam, the extension elements being slidable to position their outer edges in vertical planes at different dis-



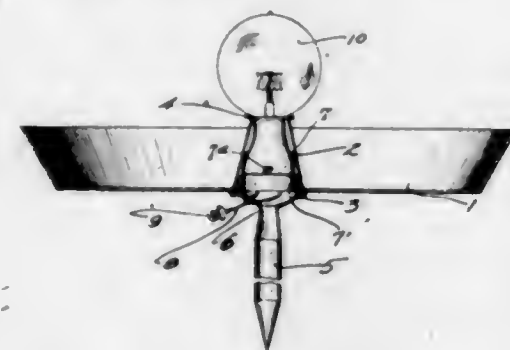
tauces from lines bisecting the casings vertically, for directing the rays from one headlight chiefly toward the right side of the roadway and those of the other headlight chiefly in the direct path of travel.

1,521,322. METHOD OF MAKING THREAD-ROLLING DIES. EDGAR HOWARD REED, Worcester, Mass. Filed Aug. 22, 1923. Serial No. 658,707. 9 Claims. (Cl. 76-101.)



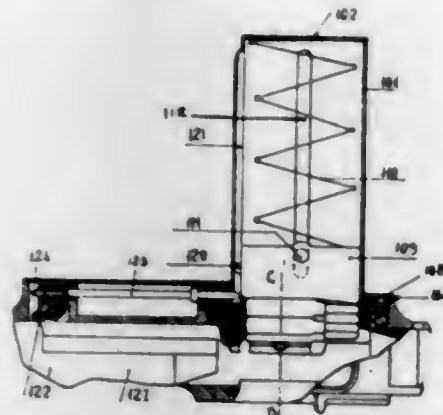
1. The method of making rolling dies which consists in forming the working surface of the die to the desired shape, hardening and tempering it, and then reciprocating it with its working surface in engagement with a correspondingly formed flat lap the surface of which is charged with abrasive material.

1,521,323. INSECT TRAP. JOHN W. REEDER, Spokane, Wash. Filed Apr. 10, 1922. Serial No. 351,315. 1 Claim. (Cl. 43-113.)



The combination in a portable insect trap with a shallow oil pan having a frustoconical, central, open top dome and an annular, open flange on the pan bottom at the base of the dome, of a supporting stake, a hollow head affixed to said stake and projecting within the base of the dome, a lamp socket supported in said head, an electric lamp supported from said socket above the dome, said dome having its top above the surrounding wall of the pan and a packing gasket in the top of the dome, and electrical connections for said lamp.

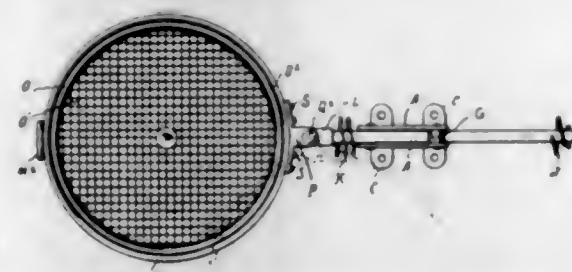
1,521,324. MAGAZINE FOR FIREARMS. BETHEL ABIEL REVELLI, Turin, Italy. Filed July 10, 1923. Serial No. 650,665. 10 Claims. (Cl. 89-33.)



1. Cartridge-feeding mechanism for fire arms embodying a breech portion and a breech block, comprising side blocks mounted in said breech portion at opposite sides of the filling opening; a magazine detachably mounted on said side blocks; a fork-shaped cartridge clip adapted to be inserted through said filling opening into the magazine and then withdrawn, leaving the cartridges in the magazine; pawls carried by the side blocks for holding the cartridges in place after the clip has been withdrawn, said pawls moving backward into inoperative position during the insertion of the clip; and means for automatically locking the breech block in its open position when the last cartridge has been fired.

6. Cartridge-feeding mechanism for fire arms embodying a breech portion and a breech block, comprising a magazine adapted to be positioned in line with the filling opening; a feeder movable in the magazine and having a projection; a cocking tooth for locking the breech block in its open position; and a member engageable by said projection to operate said tooth when the feeder reaches its lowest position in the magazine.

1,521,325. SIFTING DEVICE. RAYMOND C. REYNOLDS, Muncie, Ind. Filed Aug. 1, 1923. Serial No. 654,978. 3 Claims. (Cl. 83-60.)

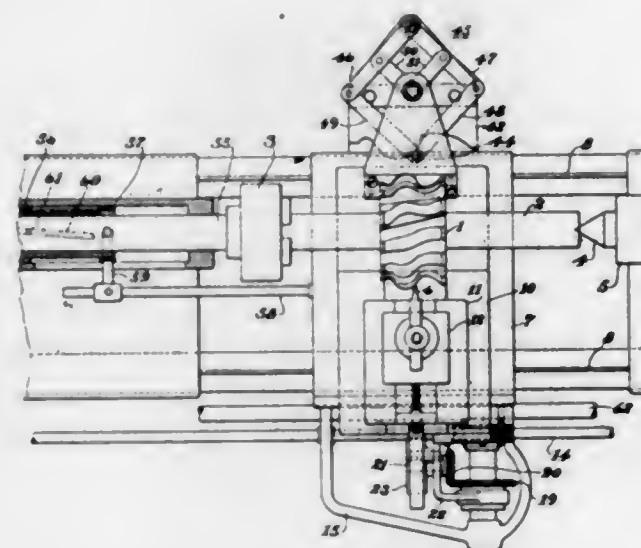


1. A sifting device, comprising a housing block, a rocker bar mounted loosely therein in a riddle frame, a screen retained removably in the riddle frame, and a yieldable connection between the rocker bar and the riddle frame capable of retaining the riddle frame at varied positions of angularity to the rocker bar.

1,521,326. RELIEVING MACHINE. CARL SCHRAMM, West Hartford, and PAUL F. VOKAL, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 28, 1921. Serial No. 518,336. 4 Claims. (Cl. 82-14.)

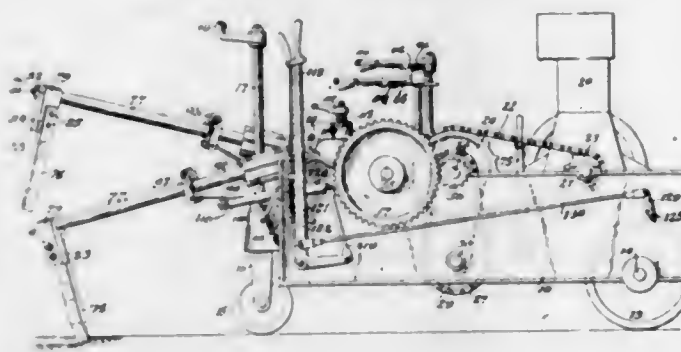
1. In a relieving machine, the combination with means for rotating a blank, a cutting tool for engaging the blank, a movable support for the cutting tool, a former member having a contour similar in shape but different in size from the contour to be cut by the finished blank, a stationary support for the former member, and a former pin similar in shape to the cutting tool and differing in size therefrom according to the difference between the

size of the former contour and the contour to be cut by the finished blank, said former pin being movable with the cutting tool and engaging the former member, of means controlled by the former pin and the former member for automatically operating the cutting tool to shape



and relieve the teeth on the blank to cut a contour similar in shape to the contour of the former member but differing in size therefrom, said controlling means being jointly carried by the stationary support for the former member and the movable support for the cutting tool.

1,521,327. ASPHALT CUTTER. HENRY SCHUMACHER, Buffalo, N. Y. Filed Jan. 22, 1923. Serial No. 614,095. 9 Claims. (Cl. 262-14.)

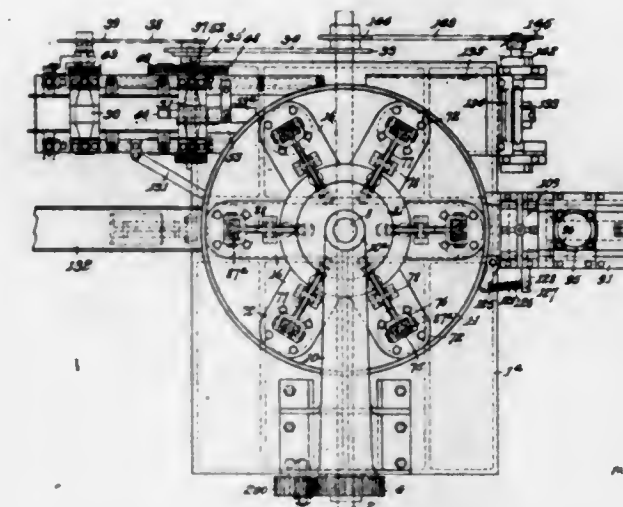


1. An asphalt cutter comprising a horizontal rock shaft, a helve mounted on said shaft and carrying a cutting tool, means for elevating said helve, and means for depressing said helve comprising a volute spring having its inner end connected with a relatively fixed part and a yoke slidable lengthwise on the helve and having its lower part connected with the outer end of said spring and provided on its upper part with a roller running on the upper side of said helve.

1,521,328. METHOD OF AND APPARATUS FOR CUTTING AND APPLYING RING LINERS TO CAN COVERS. HERBERT SCHRADER, Wheeling, W. Va., assignor to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Dec. 17, 1921. Serial No. 528,020. 15 Claims. (Cl. 113-80.)

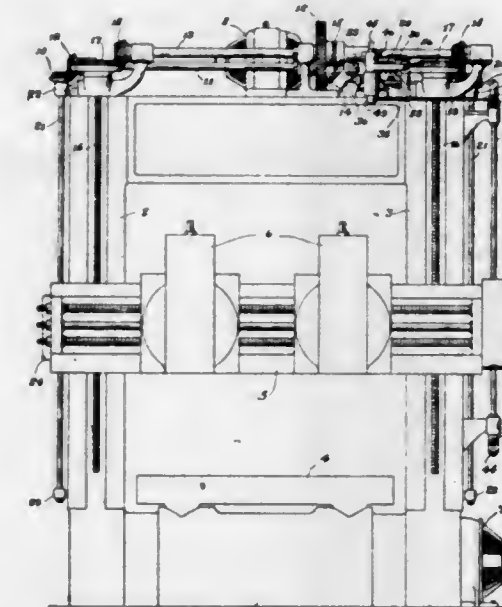
1. A machine for cutting and applying ring liners to can covers, comprising a continuously traveling carrier, a plurality of sets of die and punch members borne by

said carrier, mechanism for actuating said punch members into cooperative relation to said die members for cutting ring liners from a web of gasket material, means



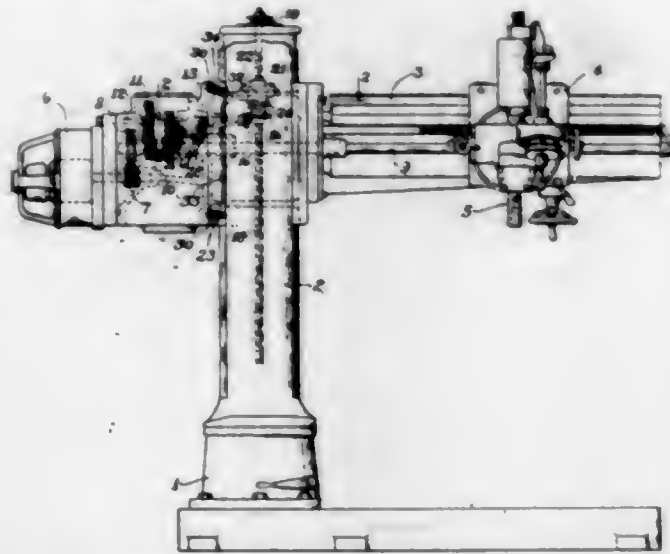
for advancing said web to position between said members, and means whereby said die members are caused to seat said liners on the can covers.

1,521,329. RAIL-CLAMPING MECHANISM. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1921. Serial No. 499,523. 14 Claims. (Cl. 90-37.)



10. In a machine of the class described, the combination of a base, a work table mounted thereon, two uprights adjacent the table, a cross rail mounted to slide vertically on the uprights, power means to move the rail vertically, clamping means on the rail adapted to engage both uprights to secure the rail thereto, an operative connection from the said power means to the clamping means for effecting the clamping operation, the said connection including a clamping shaft adjacent each upright, an eccentric on each shaft engaging the clamping means and a clutch under the control of the operator for operatively connecting the power means with the said eccentrics for effecting the clamping operation, the clutch being provided with a cam path extending therearound and having a pair of shoulders thereon, and means riding on the path and adapted to alternately engage the shoulders to disengage the clutch and stop the rotation of the shaft with the clamping means in the clamped and unclamped positions respectively.

1,521,330. DRILLING MACHINE. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 19, 1923. Serial No. 613,743. 9 Claims. (Cl. 77-28.)



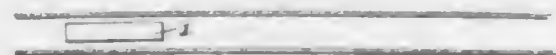
1. In a drilling machine, the combination of a support, an arm adjustable thereon, means for adjusting the arm, means for securing the arm to the support in adjusted position, and a unitary manually operable device for moving both such means into operative and inoperative positions, the device and means being so related that when either means is in the operative position the other means is in the inoperative position.

1,521,331. CLUTCH WRENCH. REGINALD F. SEDGLEY, Philadelphia, Pa. Filed Feb. 26, 1921. Serial No. 447,924. 7 Claims. (Cl. 81-60.)



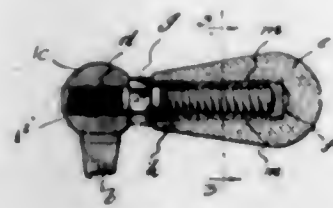
1. In a clutch wrench, a casing, a member having a polygonal surface, fixedly secured in said casing, a member rotatably mounted in said casing and having a polygonal hole therein adapted to be engaged by said polygonal surface and a spring contained in said casing and normally holding said members apart said members being incapable of relative rotation when interlocked and said rotatable member having means to receive and interlock with an actuating member.

1,521,332. SHUNTING OR TRIP DEVICE. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,790. 22 Claims. (Cl. 264-63.)



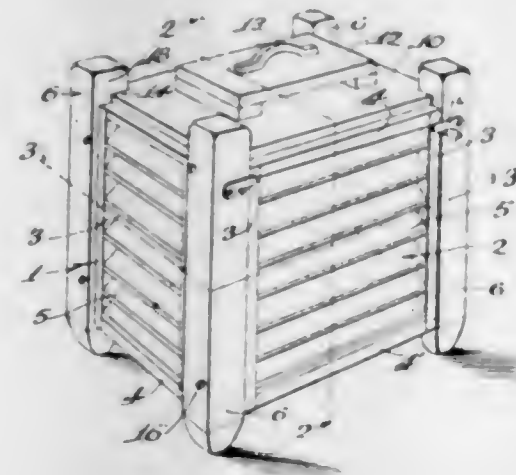
14. In combination, vehicle carried mechanism comprising a three-element transformer having a primary and a secondary and a roadside mechanism for magnetically shunting the secondary in the move-over the roadside mechanism.

1,521,333. GAS-COCK ASSEMBLY. ALVIN G. SHERMAN and ALBERT MEADOWS, Detroit, Mich., assignors to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 15, 1923. Serial No. 674,893. 4 Claims. (Cl. 251-150.)



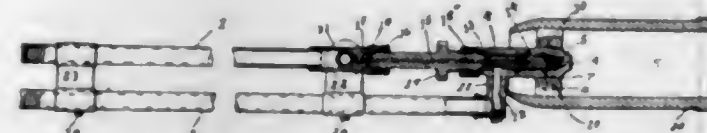
2. In a cock assembly, the combination of a plug provided with a tapped hole, a handle provided with a recess, and a screw machine product provided with an angular nut portion, and threaded and grooved portions disposed respectively on opposite sides of the nut portion, the grooved portion cemented within the recess carried by the handle and the other stud portion adapted to screw into the tapped hole of the plug.

1,521,334. SANITARY LAUNDRY BOX. JAMES C. SKELTON, Santa Monica, Calif. Filed June 15, 1923. Serial No. 645,575. 13 Claims. (Cl. 217-42.)



1. In a ventilated box, vertical walls comprising substantially rectangular sections secured to corner posts, additional substantially rectangular sections removably secured to said corner posts, each of said rectangular sections being provided with inclined slats and a ventilated bottom plate adapted to be removably mounted at the bottoms of the vertical walls with the corner posts extending below the bottom plate.

1,521,335. PREHEATING TORCH. ELMER H. SMITH, Minneapolis, Minn. Filed June 19, 1919. Serial No. 305,345. Renewed June 12, 1924. 5 Claims. (Cl. 158-76.)



1. A preheating torch comprising a nozzle having a mixing chamber therein and a discharge orifice, a liquid fuel pipe communicating with a port in the side wall of said mixing chamber, a tip having one end fitting within said mixing chamber and provided with a finger grip outside said chamber and mounted for movement

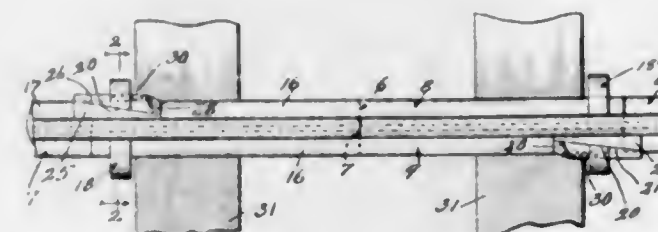
forward and backward in said chamber, the forward end of said tip being adjacent the discharge opening in said mixing chamber and normally spaced from the walls of said chamber to form a liquid fuel passage, and said tip having a longitudinal duct therethrough communicating with a source of air under pressure, the suction created by the discharge of air from said tip drawing the liquid fuel through the passage around said tip to mingle with the fluid from said tip.

1,521,336. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 16, 1921. Serial No. 515,437. 8 Claims. (Cl. 197-186.)



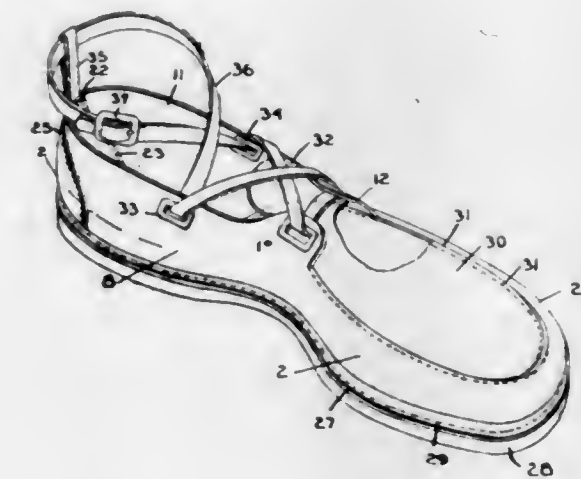
1. The combination with a typewriting machine, comprising a platen upon which a work-sheet is typed, of a sound-deadening casing for said machine, said casing having a work-sheet illuminating opening in front of the platen, through which the typing upon the enclosed work-sheet is visible to the operator, a transparent pane in said opening, said pane capable of reflecting surface glare from the exterior source of work-sheet illuminating light, and translucent light-diffusing means mounted to occupy a position out of the line of vision of the operator and between said pane and the source of light, for overcoming the glare, said light diffusing means leaving the enclosed work-sheet visible through said transparent pane.

1,521,337. RAIL JOINT. PASQUALE STELLA, Chicago, Ill., assignor of one-half to Charles Amico, Chicago, Ill. Filed Mar. 10, 1924. Serial No. 698,197. 3 Claims. (Cl. 238-263.)



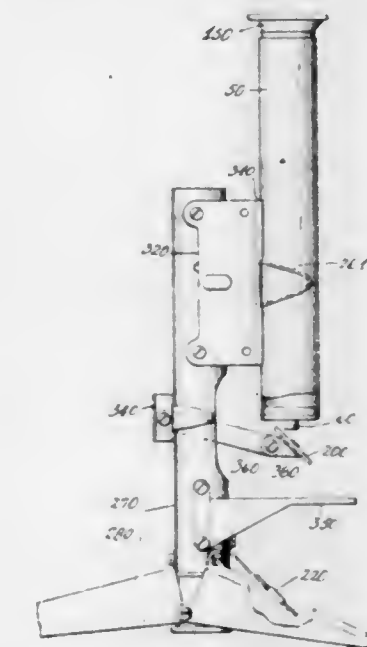
1. An improved yoke for securing fish plates to a rail in making a rail joint, comprising a U-shaped yoke member having the inner face of one leg beveled and provided with a notch and the inner face of the other leg provided with a groove, and a lug extending flush with the inner face of the intermediate part on the side toward the bevel, whereby the driving of a wedge cannot tilt the yoke.

1,521,338. SHOE AND PROCESS OF MAKING THE SAME. JOHN E. SWANSON, Jamaica Plain, Mass., assignor to John E. Swanson, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Jan. 25, 1924. Serial No. 688,604. 8 Claims. (Cl. 36-45.)



1. A shoe comprising an upper with quarters overlapping at the rear of the shoe and a counter located between the overlapping portions of the quarters.

1,521,339. OPTICAL APPARATUS FOR INSTRUCTIONAL PURPOSES. WILLIAM TAYLOR, Leicester, England. Filed Nov. 2, 1922. Serial No. 598,527. 38 Claims. (Cl. 35-12.)

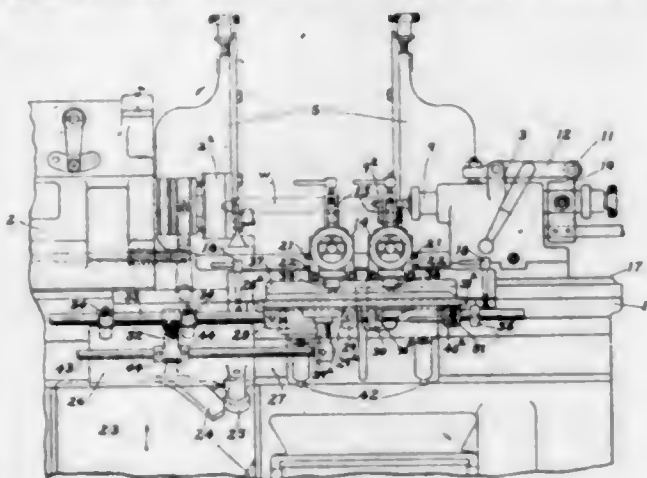


1. Apparatus comprising optical elements and holding, shrouding, supporting and connecting elements, so formed and so proportioned one to another that they may be detachably connected with one another in different combinations and relationships to form complete adjustable optical instruments of different kinds.

1,521,340. AUTOMATIC LATHE. SPENCER JAY TELLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 21, 1921. Serial No. 454,156. 30 Claims. (Cl. 82-2.)

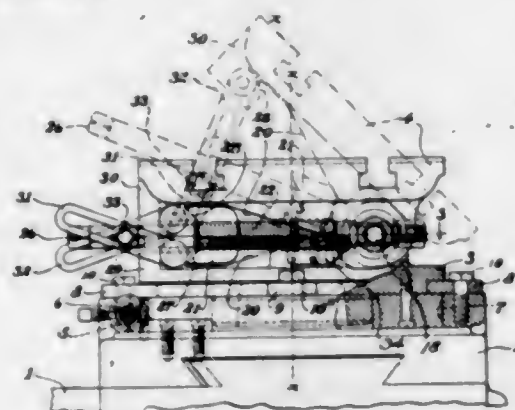
1. A lathe comprising in combination, a bed, means thereon for supporting and rotating a blank, two tool

carriages mounted for longitudinal movement on the bed and automatic means including a single rotary cam



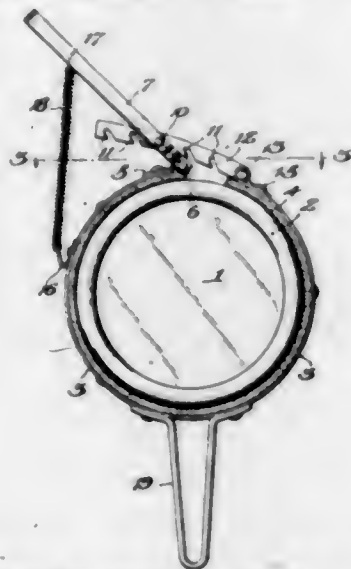
and cam follower for moving one carriage through a desired distance and the other carriage through the same or a desired less distance longitudinally of the bed.

1,521,341. WORK SUPPORT. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 21, 1922. Serial No. 345,583. 24 Claims. (Cl. 90—59.)



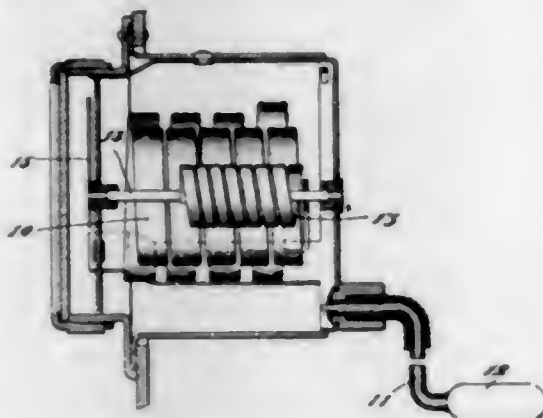
1. A work support comprising in combination, a base, a work holder, a horizontal pivotal connection between the base and holder at one side of the latter, means anchored at the said pivotal connection and extending between the base and holder for adjusting the latter about the pivot, and means for securing the holder in its adjusted position.

1,521,342. BAND WRENCH. HARRY W. THOMAS and GEORGE W. LEE, Glen Campbell, Pa. Filed Apr. 14, 1924. Serial No. 706,466. 5 Claims. (Cl. 81—64.)



1. A band wrench comprising a band, a lever pivoted to one end of said band, a notched adjusting member pivoted to the opposite end of said band and adapted to engage said lever, and resilient means secured to said lever and band.

1,521,343. TEMPERATURE-RESPONSIVE INSTRUMENT. GEORGE H. TOWNSEND, Bronxville, N. Y. Filed Dec. 29, 1919. Serial No. 348,281. 1 Claim. (Cl. 73—52.)



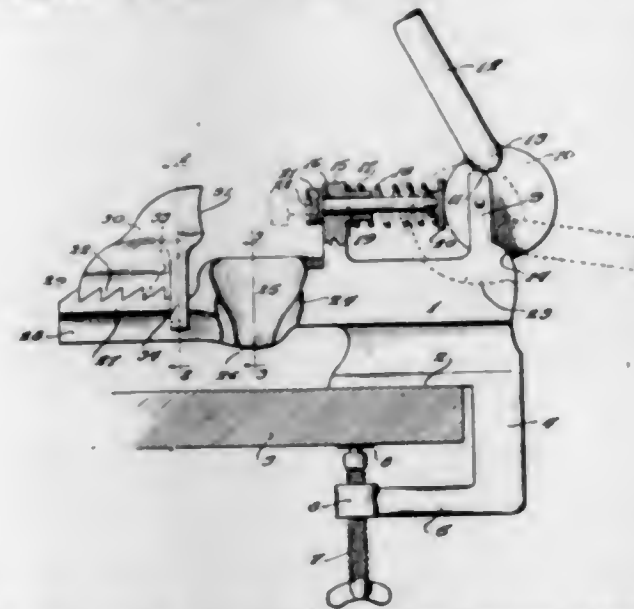
A temperature responsive instrument including a Bourdon coil formed of tubing having its opposite sides flattened and in close proximity throughout the intermediate parts thereof, the marginal parts being substantially circular in cross section and of a diameter greater than the distance between the flattened parts.

1,521,344. MAN'S WAISTCOAT OR VEST FOR DRESS WEAR. WILLIAM JAY TUROFF, New York, N. Y. Filed Feb. 29, 1924. Serial No. 695,917. 2 Claims. (Cl. 2—102.)



1. A vest of the character described, comprising an inelastic front body portion stiffened at its outer ends, elastic terminal members carried by the body portion, keepers for looping the terminal members and adjusting the length of the loops, frame members loose in the bights of the loops, and means for releasably interengaging the frame members.

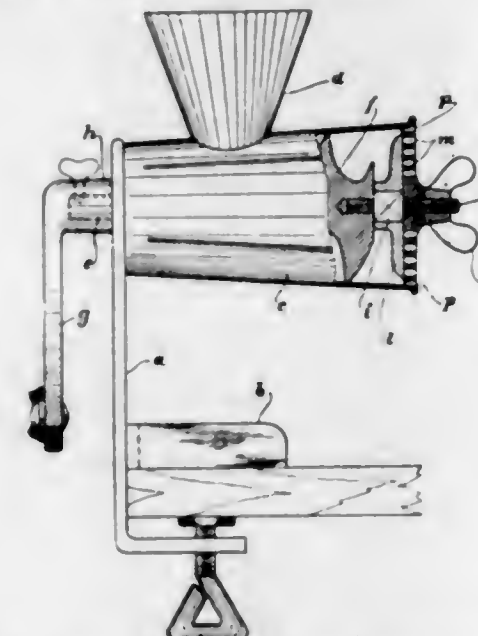
1,521,345. NUTCRACKER. JOHN TURMES, Breckenridge, Tex., assignor of one-half to Norman T. Harper, Breckenridge, Tex. Filed Mar. 13, 1924. Serial No. 698,993. 1 Claim. (Cl. 146—16.)



A nut cracker comprising a body member adapted to be secured to a fixed support, a post rising from said body member at the outer end thereof, an eccentric pivoted upon said post, a handle member extending from the edge of the said eccentric and having its terminal

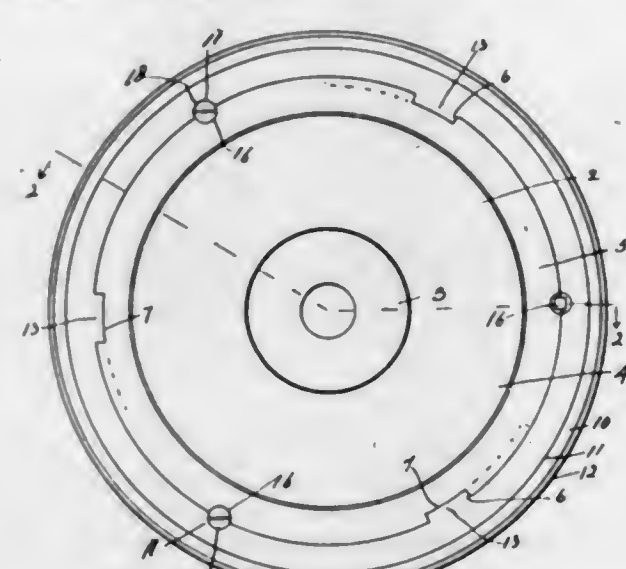
portion offset laterally from the face of the eccentric to form a stop adapted to engage the upper end of the post or the end of the body at the base of the post, a second post rising from the body and spaced inwardly from the first-mentioned post, a plunger slidably mounted in the upper end of the second-mentioned post, a head on the inner end of said plunger at one side of the second-mentioned post, a head at the outer end of said plunger bearing slidably against the edge of the eccentric, a coiled spring encircling the plunger and bearing at its ends respectively against the second-mentioned post and the head at the outer end of the plunger, and an anvil mounted upon the body in spaced relation to and aligned with the plunger.

1,521,346. MEAT CHOPPER. KUNZ WEIDLICH, Nuremberg, Germany. Filed Jan. 21, 1924. Serial No. 687,633. 1 Claim. (Cl. 146—189.)



A meat chopper comprising in combination with the commonly used perforated pressure plate, a knife comprising four blades each blade having a shaped out portion in its cutting edge with sharp edges, said shaped out portion being displaced with regard to the shaped out portions of the other cutting edges so that the sharp edges of each shaped out portion acts at a different circular face of the said perforated pressing plate.

1,521,347. CAR WHEEL. ROGER E. WINTERS, Philadelphia, Pa. Filed May 10, 1924. Serial No. 712,421. 1 Claim. (Cl. 295—19.)



A car wheel comprising, in combination, a hub, a web, a felly, said felly having tapered grooves arranged diagonally to the side edges of the felly, one of the side

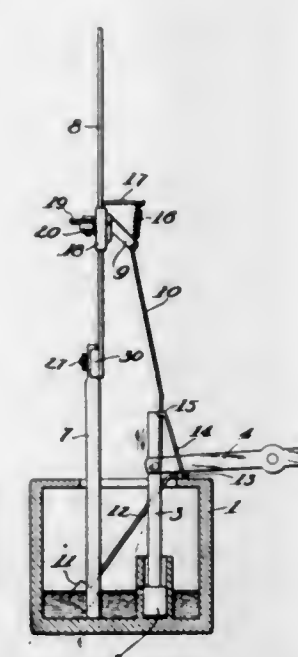
walls of each groove being straight and the other side wall of each groove having an offset at each end, said felly being further provided with a transverse groove in its periphery, a tire including a rim and flange, said rim having tapered ribs or tongues arranged diagonally to the side edges thereof for insertion in the tapered grooves in the felly, a shoulder at each end of each rib on one side thereof for coaction with the offsets in the various tapered grooves, said rim further having a transverse groove in its inner surface to align with the similar groove in the felly, a bolt of rectangular cross sectional shape insertible in the hole formed by the alignment of these two grooves and a nut on said bolt.

1,521,348. MEANS FOR OPPOSING THE DISCHARGE OF ACID-LADEN AIR. CORNELIUS AMBRUSTER, Roslyn, Pa. Filed Aug. 9, 1921. Serial No. 490,832. 1 Claim. (Cl. 183—75.)



Means for opposing the discharge of acid laden air from storage battery forming rooms and the like which comprise individual duplicate marginal frames assembled alternately in reversed positions and each provided with spaced facially grooved strips of glass of which one is disposed at one edge of the frame and another is spaced from the other edge of the frame, substantially as described.

1,521,349. METAL FEEDER FOR LINOTYPE MACHINES. JOSEPH H. BAST, Santa Monica, Calif. Filed May 31, 1923. Serial No. 642,642. 7 Claims. (Cl. 22—80.)

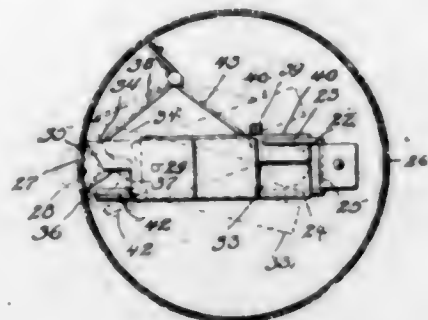


1. A pot for molten type metal, means for withdrawing metal therefrom, and means for maintaining a substantially constant level of molten metal therein, said maintaining means comprising a float pivoted on said pot and constituting an inner arm of a lever provided with means to position a hook in the path of a reciprocating part.

1,521,350. VENDING MACHINE. EDGAR B. BICKER, St. Louis, Mo. Filed Apr. 15, 1921. Serial No. 461,535. 6 Claims. (Cl. 194—63.)

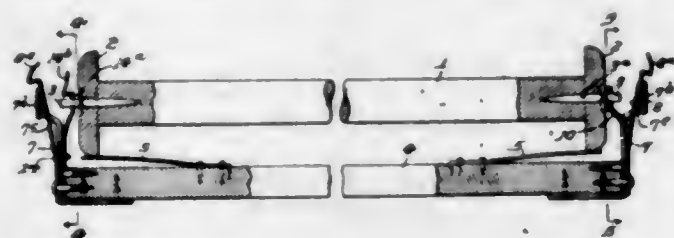
1. In a vending machine, an article receptacle, an element comprising a gate for normally preventing release of articles from the receptacle and a portion for engagement

by a manually inserted and moved coin for moving the gate to article releasing position and an element comprising a bottom for normally preventing delivery of the re-



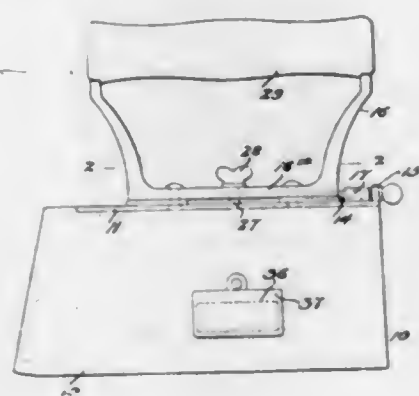
leased article and a portion for engagement by the coin as moved by the first mentioned element for moving the bottom to delivering position.

1,521,351. BOBBIN FRAME FOR LOOMS. JOHN B. HOLTON, Philadelphia, Pa., assignor of one-half to John Bromley & Sons, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 21, 1921. Serial No. 502,152. 1 Claim. (Cl. 139-10.)



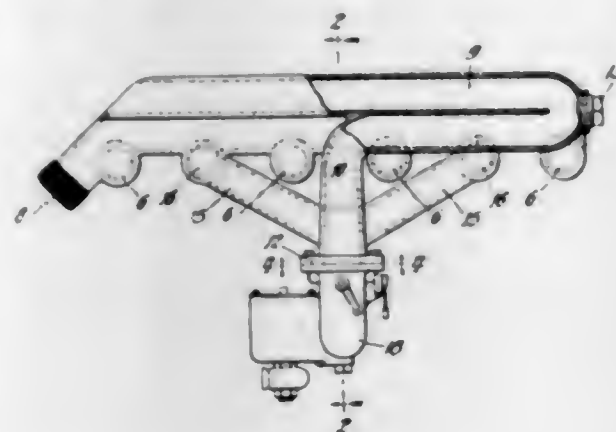
The combination of a bobbin having a stub shaft projecting from one end thereof, a frame bar having means on one end portion thereof to rotatably support one end of the bobbin, a bearing member projecting from other end portion of the frame bar and having a slot therein, a spring projecting fixedly from the frame bar and having an aperture in its free end portion into which the stub shaft extends, said bearing member supporting said spring for a portion of its length and said spring being narrower than said slot and being movable into the same to move it from the stub shaft to free the bobbin.

1,521,352. SADDIRON. MORRIS A. BORDMAN, Philadelphia, Pa. Filed Apr. 10, 1924. Serial No. 705,516. 5 Claims. (Cl. 68-26.)



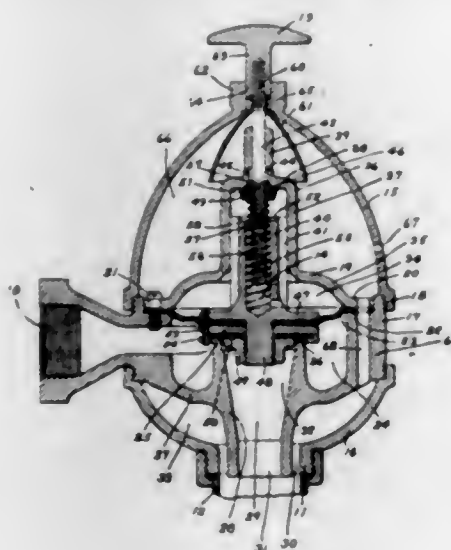
1. An iron of the character described provided with a draft passage in one part of the iron and a draft passage in another part of the iron; independent shutter portions for said passages; and common means operative to effect movement of said shutter portions to open or close said passages or to vary the amount of opening of said passages.

1,521,353. MANIFOLD FOR INTERNAL-COMBUSTION ENGINES. ROBERT F. BRACKE, Chicago, Ill., assignor, by mesne assignments, to Curtis B. Camp, trustee, Oak Park, Ill. Filed Apr. 17, 1922. Serial No. 554,180. 4 Claims. (Cl. 123-122.)



1. A manifold for internal combustion engines comprising three distinct passageways, one for exhaust gases, one for carburetted air, and one for fresh air anterior to its carburetion, and a single flange to which the latter two passages lead for the connection of a carburetor thereto.

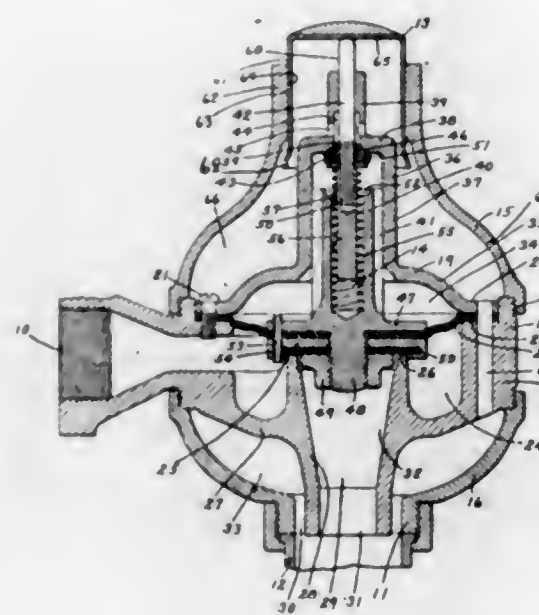
1,521,354. FLUSH VALVE. EDWARD PATRICK BURNS, New Britain, Conn., assignor, by mesne assignments, to The Benton & Cadwell Manufacturing Company, New Britain, Conn., a Corporation. Filed Oct. 29, 1921. Serial No. 511,501. 23 Claims. (Cl. 137-93.)



1. In a flush valve, a casing having an inlet and an outlet, mechanism housed within said casing comprising a main valve and a pilot valve, an annular seat for said pilot valve and a tubular structure extending upwardly from said seat, the lower portion of said tubular structure being chambered and laterally perforated for the passage of water, a stem for said pilot valve extending upwardly through said tubular structure, said stem fitting and substantially filling the bore of the portion of said tubular structure that is above said lower portion, and said tubular structure being a fixed part of the casing structure.

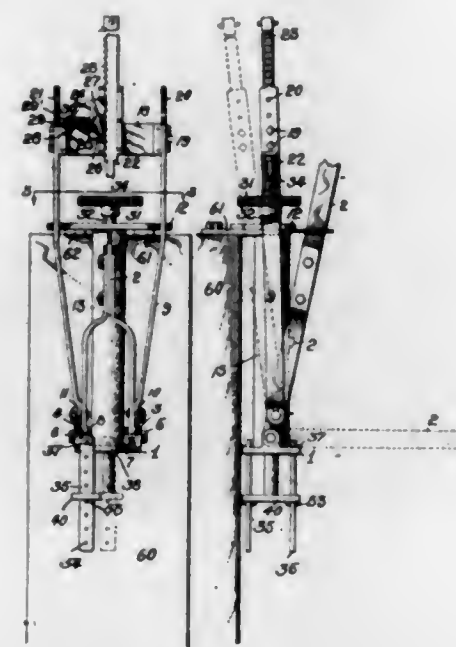
6. In a flush valve, a casing part having an open interior that is provided with an upwardly directed main valve seat, a diaphragm extended across said part and serving to support a main valve for cooperating with said seat, a second casing part positioned on the upper side of said first casing part, above said diaphragm, and having a seat for a pilot valve, a pilot valve having a stem, a stem for said main valve on the upper side of said diaphragm, and said second casing part having guide means for each of said stems.

1,521,355. FLUSH VALVE. EDWARD PATRICK BURNS, New Britain, Conn., assignor, by mesne assignments, to The Benton & Cadwell Manufacturing Company, New Britain, Conn., a Corporation. Filed Jan. 30, 1923. Serial No. 615,831. 7 Claims. (Cl. 137-93.)



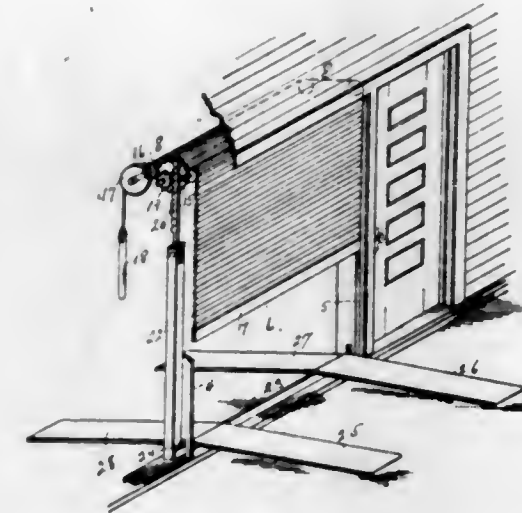
7. In a flush valve a casing comprising an interior portion, mechanism housed generally within said interior portion and comprising a stem for a pilot valve that projects upwardly through the enclosing wall, a cover exterior to the upper portion of said interior portion, said cover having an opening in registration with said stem, a button-tripping member mounted on said stem and operatively housed in the opening in said cover, and said button-tripping member being in the form of a one-piece structure of cup-like form that is admitted to said opening in the cover from the inside thereof.

1,521,356. MANDREL PRESS. TOWNSEND W. BURT, Hempstead, N. Y. Filed May 25, 1922. Serial No. 563,610. 10 Claims. (Cl. 29-85.)



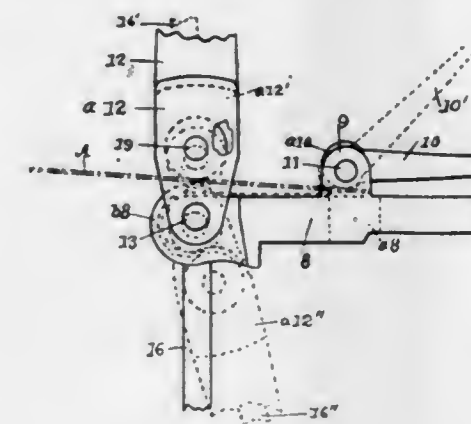
1. In a press, a base member, an operating lever pivoted thereon, an upper work holder mounted in spaced relation to said base, a lower work holder, means for pivotally suspending the latter from said base, and a work engaging member for operating on the work when supported on either the upper or lower holder.

1,521,357. AUTOMATIC DOOR. WILLIS M. COOPER, Norman, Okla. Filed Dec. 19, 1922. Serial No. 607,879. 1 Claim. (Cl. 268-1.)



An automatically operable raising and lowering door for automobile garages consisting of a sectioned door, a roll upon which the door is rolled up and stored and unwound therefrom, gear mechanism for controlling the movement of the roll, a rack meshing with the gear mechanism, running boards controlling the movement of the rack, all so that when pressure is put on the running boards the door will raise.

1,521,358. COW-HOPPLE-HOOK FORMER. SOLOMON R. CORRELL, Ferndale, Wash. Filed Nov. 8, 1923. Serial No. 673,596. 3 Claims. (Cl. 153-40.)

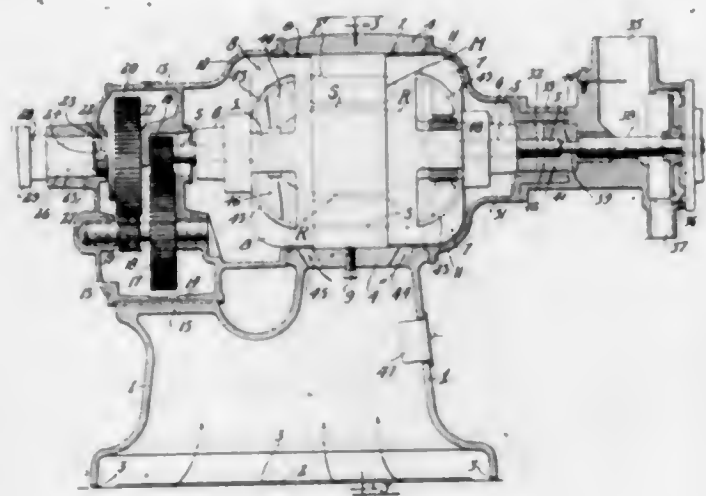


1. In a hook former in combination, a die plate having a rounded concave end adapted for a hook die and a transverse hole therethrough concentric with said rounded end, a pin mounted for revolution in said hole having projecting ends eccentric therewith, a handle having a bifurcated shank the ends of which are mounted for revolution on said eccentric pin ends, and a shaping roll mounted for revolution on said shank adapted to traverse said shaped die plate end as said handle is revolved on said pin.

1,521,359. MOTOR DRIVE. LOUIS J. COSTA, Philadelphia, Pa., assignor to Standard Electric Products, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 1, 1924. Serial No. 696,170. 10 Claims. (Cl. 172-36.)

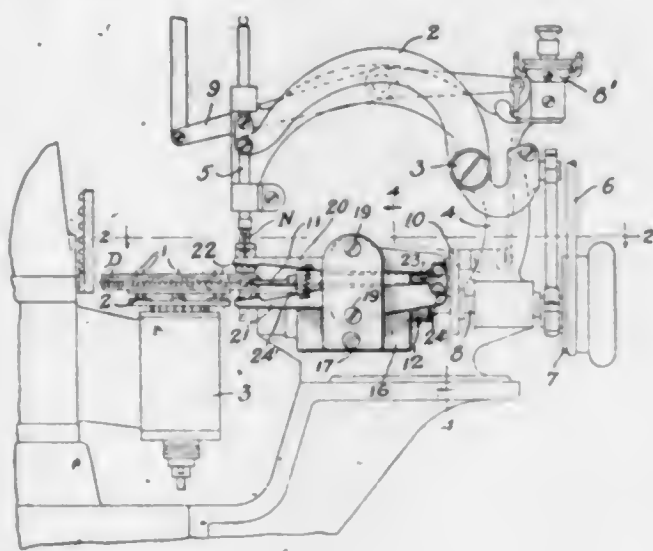
1. The combination with a supporting housing of a motor comprising stator, rotor and bearing bracket struc-

ture all assembled to form a motor unit disposed within and supported by said housing, bell or cap structure independent of said motor bracket structure and secured



to said supporting housing, and a machine carried by said bell or cap structure independently of said motor and driven thereby.

1,521,360. METHOD OF SEWING POWDER PUFFS. ALDO CURIONI, New Rochelle, N. Y., assignor to Maurice Levy, New York, N. Y. Filed Sept. 21, 1922. Serial No. 589,555. 2 Claims. (Cl. 112—262.)

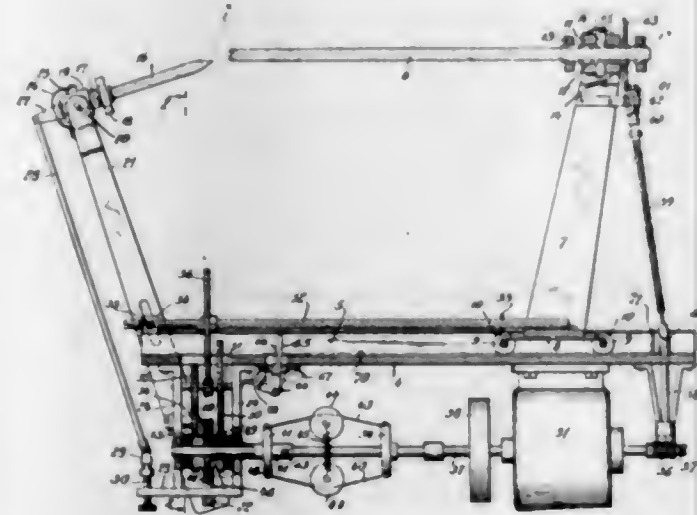


1. A method of sewing a powder puff which consists in sewing together corresponding portions of two discs of fabric of which said puff is composed and each of which has a base and a nap surface while said nap surfaces are facing each other, while inwardly pushing the naps of said discs as the stitches are formed so that said stitches do not encircle the upright nap fibres, then turning the bag-like article formed by sewing together the said corresponding portions of said discs until the bases of said discs face each other, and then connecting the unsewed portions of said discs.

1,521,361. ARC LAMP. ARTHUR P. DAVIS, Brooklyn, N. Y. Filed Dec. 31, 1917. Serial No. 209,638. 5 Claims. (Cl. 176—74.)

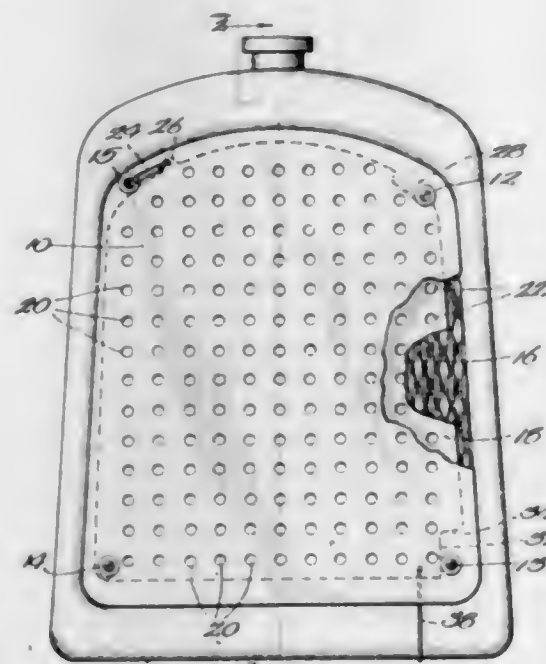
1. In a flaming arc lamp, the combination of a holder for holding a positive electrode in a horizontal position, means for feeding the positive electrode in the direction of its axis, a holder for supporting a negative electrode

in a position inclined to the horizontal, a pivoted support for the holder for the negative electrode, means for turning the support about its pivot to feed the negative electrode forward to compensate for consumption there-



of, and means actuated in correspondence with the turning movement of the support about its pivot for turning the holder relatively to the support to maintain a predetermined angular position of the negative electrode relatively to the positive electrode.

1,521,362. RADIATOR SHUTTLE. GEORGE M. DUNLAP, Chicago, Ill. Filed Feb. 8, 1924. Serial No. 691,480. 1 Claim. (Cl. 257—132.)



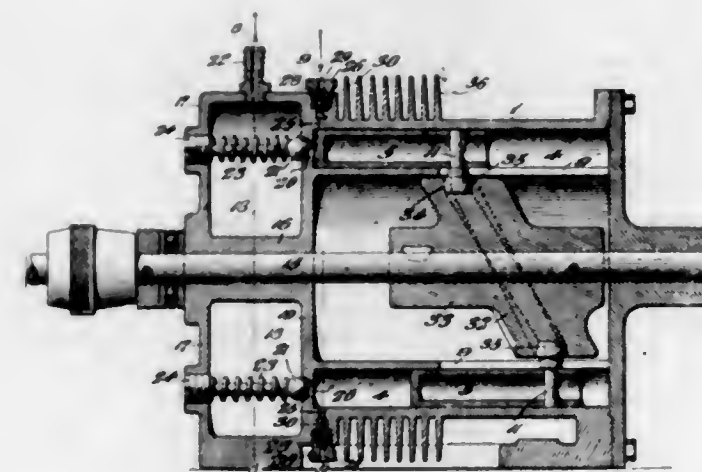
In mechanism of the class described, a plate provided with a plurality of perforations, a second parallel plate provided with corresponding perforations registering in one position with the perforations in the first plate, means at one edge of the plates so pivoting the plates together that the second plate may be moved across the first to positions where more or less of the perforations of the two plates are in register thereby controlling the aggregate passage of air through the device.

1,521,363. FABRIC ORNAMENTATION. LORENZ FLICK, Providence, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed Feb. 27, 1924. Serial No. 695,521. 4 Claims. (Cl. 41—34.)



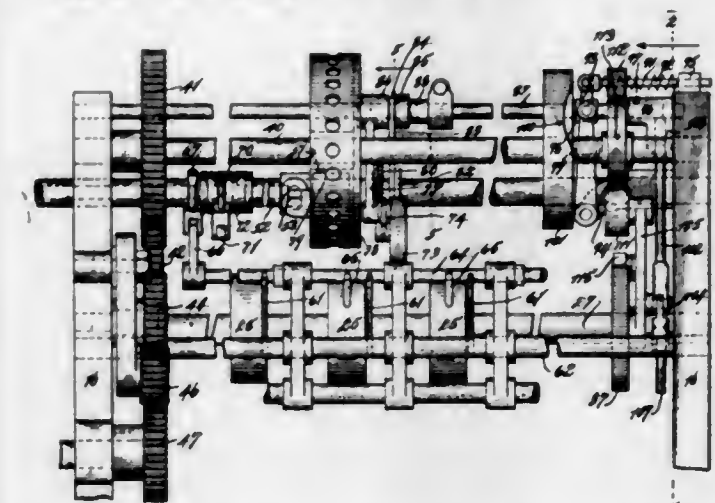
1. As an improved article of manufacture, a sheet of woven fabric ornamented by contrasting designs formed of the same colored flock, one design having all portions thereof formed of a heavy deposit of flock applied to each face of the fabric and forming a raised surface upon each face that stands out boldly, and the other design being formed by a thin narrow deposit of flock upon only one face of the fabric and which stands out faintly.

1,521,364. AIR PUMP. FREDERICK C. FROELICH, Philadelphia, Pa. Filed Nov. 23, 1922. Serial No. 602,704. 5 Claims. (Cl. 230—27.)



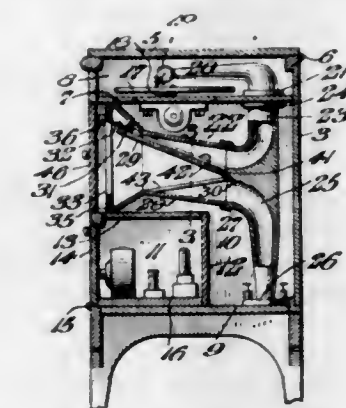
1. An air pump comprising in combination, a housing having a central cam case and concentrically arranged surrounding cylinders each having an elongated slot at one end and provided with a valved inlet and a valved outlet at its other end, a piston arranged within each cylinder, a rotatable cam mounted within said cam case, means for operating said cam and means including pin and roller connections passing through the cylinder slots and connecting said cam with each of said cylinders for reciprocation thereof.

1,521,365. SHEET FEEDER. LEONARD JOSEPH FROHN, Lynbrook, N. Y. Filed Feb. 28, 1922. Serial No. 539,869. 46 Claims. (Cl. 271—37.)



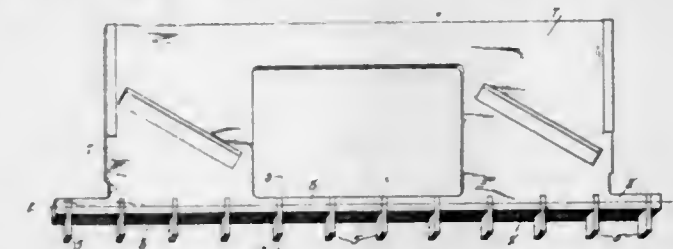
1. In a sheet-feeder, a feed-table, means for advancing a bank of fanned-out sheets along said table, and constantly rotating suction-feeding devices operating on the front top portion of the bank for separating and forwarding the successive sheets.

1,521,366. COMBINED RADIO AND PHONOGRAPH AMPLIFIER AND TONE CONTROL THEREFOR. ALFRED H. HAAG, Baltimore, Md. Filed Jan. 14, 1924. Serial No. 686,109. 8 Claims. (Cl. 274—2.)



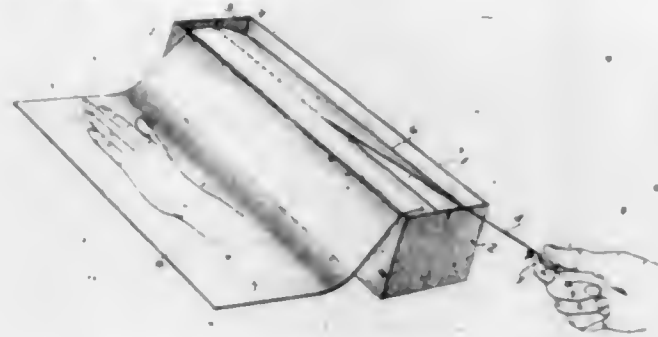
1. In a device of the character stated, a sound amplifier, a plurality of rear inlets therefor and a tone modulator pivotally secured at its rear at the junction of said rear inlets, said modulator extending longitudinally through said amplifier.

1,521,367. GAUGE FOR MACHINES FOR FOLDING SHEET METAL. PAUL R. HAHNEMANN, Southington, Conn., assignor to The Peck Stow & Wilcox Co., Southington, Conn., a Corporation. Filed Nov. 12, 1923. Serial No. 674,420. 1 Claim. (Cl. 153—16.)



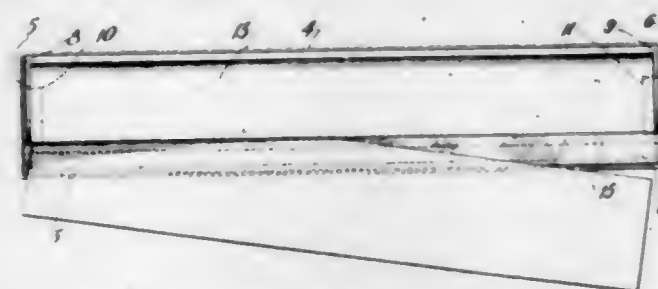
As a new article of manufacture, a unitary, removable gauge for sheet-metal folding machines, comprising a body and a series of independently-formed teeth provided at their inner ends with perforations and having their said ends permanently and rigidly united with the said body by integral portions thereof extending through the said perforations.

1,521,368. PACKAGE. CARL S. HAMERSLEY, New York, N. Y., assignor to The Hamersley Manufacturing Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 8, 1922. Serial No. 559,855. 4 Claims. (Cl. 206—58.)



1. In a device of the character described, the combination of a container, a roll of paper therein, a cord fastened to one end of the container and extending through the paper roll longitudinally thereof and beyond the other end of the container a distance substantially not less than the length of the paper roll.

1,521,369. PACKAGE. GEORGE W. HAMERSLEY, New York, N. Y., assignor to The Hamersley Manufacturing Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 20, 1922. Serial No. 553,764. 5 Claims. (Cl. 206—52.)



1. A package comprising a box, a removable support in said box, bearings on said support for a roll of material, and a cutter on said support for cutting said material.

1,521,370. PIN TUBE. WILLIAM S. HUNKINS, Hollywood, Calif. Filed Oct. 7, 1924. Serial No. 742,269. 4 Claims. (Cl. 24—76.)

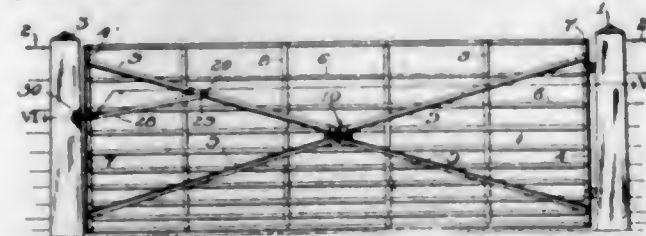


1. As an article of manufacture, a pin tube of the character described, comprising a tubular body having an integral expanded portion constituting an abutment for engaging the sides of connector loops extended around said body.

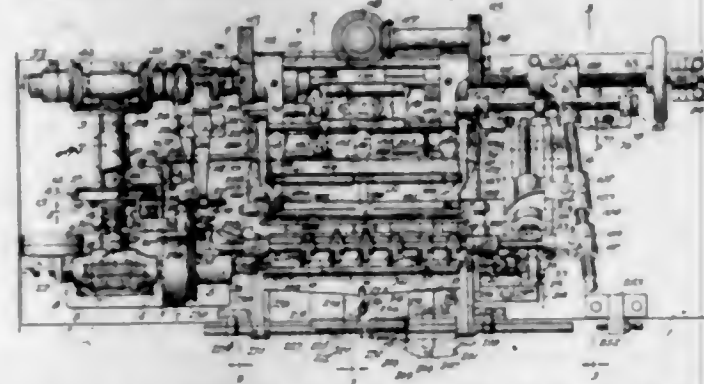
1,521,371. METALLIC GATE. CHARLES G. HUNTER, Lawrence, Ind. Filed Aug. 9, 1922. Serial No. 580,661. 2 Claims. (Cl. 256—73.)

1. In a sectional metallic gate, the combination of a hinge frame comprising a pair of L angles arranged apart to receive horizontal bars and hinge mountings, horizontal bottom and top and intermediate bars and hinge mountings of equal thickness secured between and to the L angles, a similar frame arranged likewise at the ends of all the horizontal bars and secured thereto, composite trusses comprising a pair of opposed center-piece parts having radial recesses and also struts fixed thereto respectively, a bolt securing said struts together, and diagonal braces secured in said recesses respectively and

also secured to the L angles of said frames; and vertical tie bars woven between the intermediate bars and secured each to the bottom and the top horizontal bars, each tie bar being secured also to each of the intermediate tie bars.

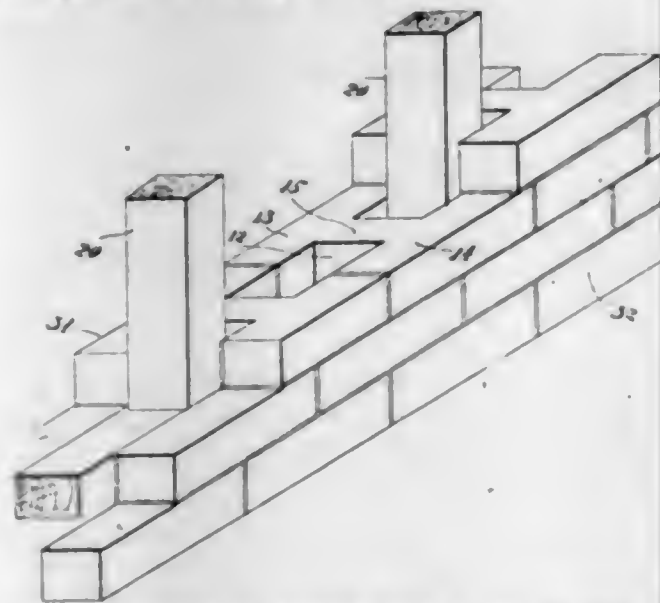


1,521,372. WINDING MACHINE. BERNARD F. JOHNSON, Jersey City, N. J. Filed May 22, 1923. Serial No. 640,696. 23 Claims. (Cl. 242—10.)



1. In a winding machine, a rotary winding spindle, means for guiding a wire, thread or filament thereto to form thereon successive overlying layers, a friction roller and an apron extending parallel with the winding spindle, means for moving said roller into and out of contact with said apron, means operative at intervals for inserting strips of sheet material between said roller and apron when the latter are separated so as to be clamped between them when the roller is moved into contact with the apron, a rotary driving connection between the spindle and said friction roller adapted to be rendered active or inactive, whereby when active the roller may be rotated concomitantly with the spindle, and means operative automatically after each layer has been wound on the spindle to render effective the connection between the roller and the spindle rotating means, whereby the roller will be rotated to feed the clamped strip of sheet material to the spindle and beneath the wire, thread or filament, so as to be wound around the previously formed layer and serve as a foundation for the succeeding layer.

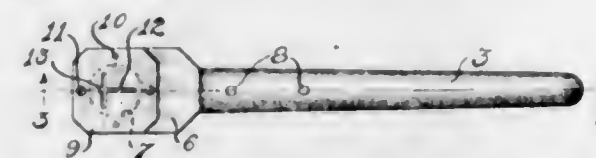
1,521,373. BUILDING CONSTRUCTION. DAVID W. KEEN, Brooklyn, N. Y. Filed Oct. 16, 1922. Serial No. 594,680. 3 Claims. (Cl. 72—39.)



1. As an article of manufacture, a construction unit comprising a substantially H-shaped block comprising two side members and a cross member joining the same, said

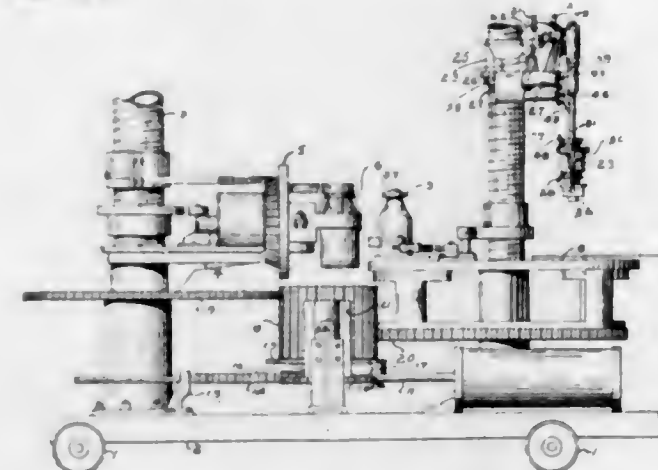
block being substantially symmetrical about an axis passing substantially through the center line of the cross member, one of said side members being substantially shorter than the other side member.

1,521,374. POST HOLDER. GEORGE G. KESLINGER, JR., Oswego, Ill. Filed July 27, 1923. Serial No. 654,058. 1 Claim. (Cl. 8—1.)



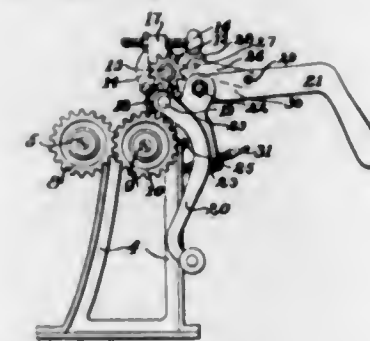
A fence post holder, comprising a handle, and an apertured holder plate adapted removably to receive and retain interchangeable plates apertured to conform to the configuration of the posts to be held, each of said plates adapted to be fixed to a side face of said holder plate with its aperture registering with the aperture in said holder plate.

1,521,375. TAKE-OFF MECHANISM. CLARENCE C. KINKER, Toledo, Ohio, assignor to The O'Neill Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 10, 1921. Serial No. 443,866. 12 Claims. (Cl. 49—9.)



3. A glassware handling machine having means for releasing an article of ware, a grip for engaging the released ware, and means for upwardly in a vertical plane swinging the grip and held ware outward from the machine embodying a depending member for carrying the grip, and means for directing the member for parallel movement in swinging the grip.

1,521,376. CUTTING MACHINE. HARRY W. KRAG, St. Louis, Mo., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo., a Corporation of Missouri. Filed July 14, 1920. Serial No. 396,055. 4 Claims. (Cl. 164—60.)

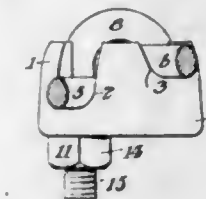


1. A cutting machine comprising circular overlapping cutting members comprising a cutter disk and a feed roll, mechanism for rotating said cutter disk and said feed roll, adjustable means for varying the extent of lap between said cutter disk and feed roll, and means

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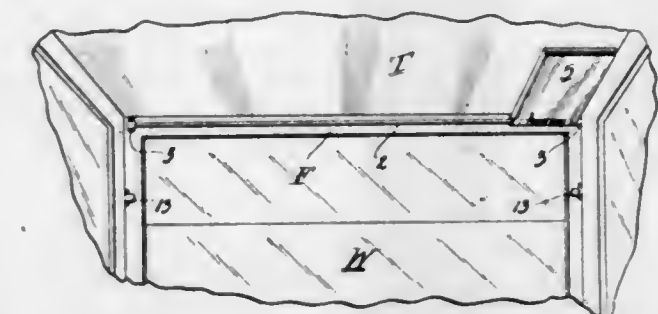
for separating and bringing together said cutter disk and said feed roll and for locking said cutter disk and said feed roll against separation under pressure of the work, said means being capable of adjustment whereby the locking action is obtained regardless of the extent of lap between said cutting disk and feed roll.

1,521,377. WIRE CLAMP. PALLED BERTRAM KROUT, Narberth, Pa. Filed Sept. 2, 1924. Serial No. 735,267. 7 Claims. (Cl. 24—135.)



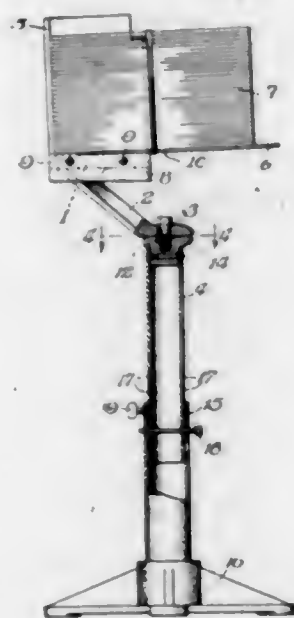
1. In a wire clamp; the combination with a drop-forged steel block of elliptical configuration, having two grooves, in transverse relation and extending to different depths therein, and having, between said grooves, extending transversely to the planes thereof and through said block, near one of the smaller ends thereof, a bolt hole; and having, between said grooves, extending transversely to the planes thereof, at the opposite smaller end of said block, a bolt socket, terminating within said block; and a J-bolt having its longer end screw threaded and fitted to extend through said hole and having its shorter end fitted to extend in said socket; and a single nut fitted to said bolt screw thread; whereby a pair of wires may be clamped together, in the respective grooves, in transverse relation to each other, by tightening said single nut, and two wires may be clamped together in parallel relation in said deeper groove by tightening said nut.

1,521,378. DISAPPEARING MIRROR FOR MOTOR VEHICLES. HOMER L. LATIMER, Whittier, Calif. Filed Mar. 29, 1923. Serial No. 628,410. 2 Claims. (Cl. 45—47.)



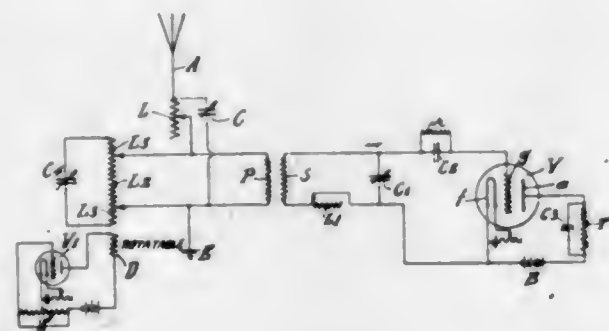
1. A disappearing mirror for motor vehicles comprising a supporting rail, brackets adapted to secure the supporting rail to a desired part of a motor vehicle and hold the rail against rotation, a slide slidably and non-rotatably mounted upon the supporting rail and having trunnions at its ends, bearing parts rotatably mounted upon the trunnions, a mirror frame rigid with the bearing parts, a mirror in the mirror frame, there being a cut away portion between the ends of the slide, a coil spring upon the supporting rail in the cut away portion, one end of the spring being connected to the slide and the other end of the spring being connected to the mirror frame, the tension of the spring being exerted to throw the mirror frame upwardly, and means having a finger to engage the mirror frame, the means being adapted for attachment to the vehicle in a substantially vertical plane below the supporting rail, so that the mirror may be pulled downwardly and pushed laterally back of the finger to hold the mirror for use and the mirror may be pulled out of engagement with the finger and allowed to swing upwardly out of use.

1,521,379. SHINGLE-STRAPPING SUPPORT. RICHARD D. LIVINGSTON, Chicago, Ill., assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed July 15, 1921. Serial No. 484,904. 16 Claims. (Cl. 100—32.)



1. In apparatus of the class described, a support for a bundle of shingles or the like including a shoulder located under said bundle when the same is placed on the support, said shoulder forming a guide for a binder applying operation, and serving to locate the binder.

1,521,380. RECEIVING SYSTEM. DAVID G. MCCAA, Lancaster, Pa., assignor to The Electric Apparatus Co., Parkersburg, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1922. Serial No. 601,455. 29 Claims. (Cl. 250—20.)

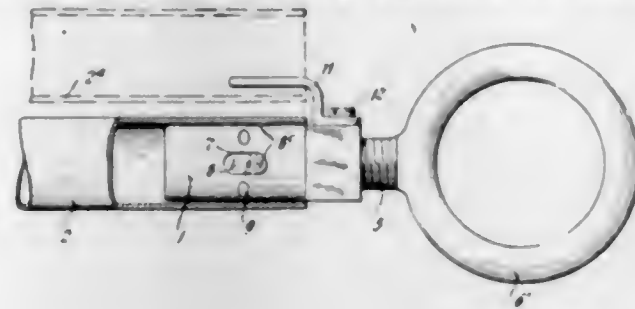


1. The method of distinguishing between fluctuating currents of different amplitudes, which comprises impressing the currents upon a current-translating circuit and upon a control path upon the magnitude of whose reactance depends the magnitude of effect in said translating circuit, and rendering said reactance of small magnitude for withholding from said translating circuit effects of said current of greater amplitude.

1,521,381. CONDENSER-TUBE EXTRACTOR. JAMES MCPHERSON, New York, N. Y. Filed Feb. 23, 1924. Serial No. 694,660. 6 Claims. (Cl. 29—88.2.)

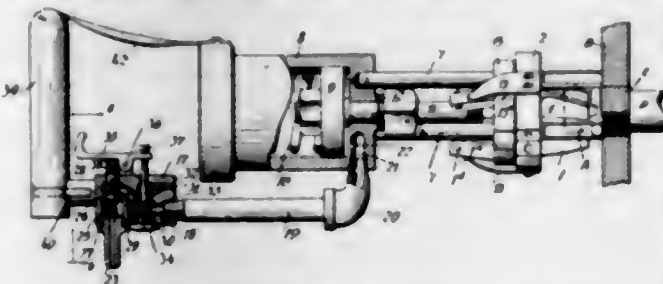
1. A tube extractor comprising a body provided with a longitudinal bore and having an opening communicating with the bore, a stem operative in said bore, a dog

pivotaly supported in the opening and provided with a projection, said stem having abutments to cooperate



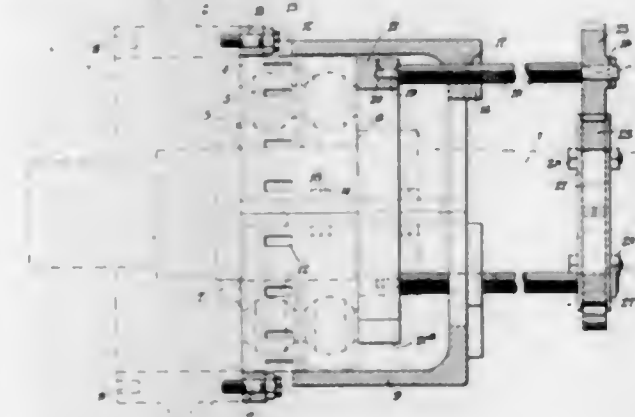
with said projection to tilt the dog in the opening, said body and stem having cooperative means to cause longitudinal movement of the same in opposite directions.

1,521,382. CONDENSER-TUBE-PLUG EXTRACTOR. JAMES MCPHERSON, New York, N. Y. Filed Mar. 25, 1924. Serial No. 761,655. 13 Claims. (Cl. 29—86.)



1. An extractor comprising a plurality of jaws, means to movably support the jaws, a member cooperative with the jaws to actuate them to grip an article, means cooperative between the jaws and said member to limit the grip of the jaws on the article and cause the jaws to extract the article, and means to actuate said member.

1,521,383. MOUNTING FIXTURE OR DEVICE. ELOF FJETERSTROM MAAS, Long Branch, N. J. Filed Mar. 24, 1921. Serial No. 455,265. 15 Claims. (Cl. 29—88.2.)



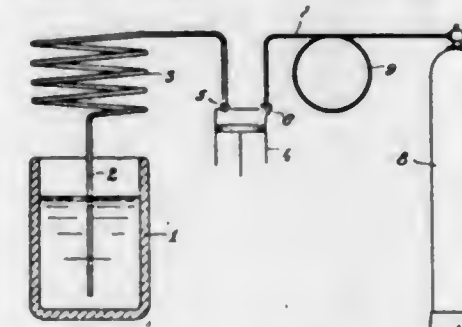
15. A device for mounting an annular element upon a second element, which comprises two members one arranged within the other, one of said members being adapted for attachment to one end of said elements, and the other member arranged to abut against the corresponding end of the other element, and a plurality of screw-threaded members rotatably carried by one of said members and co-acting with the other member to cause

the first member to exert a tractive effect on the attaching element and the second member to press against the abutting element.

1,521,384. METHOD OF MAKING OILPROOF CONCRETE RODIES. JULIUS MARCUSSON, Lichterfelde, near Berlin, Germany, assignor to Theo. H. Gary, New York, N. Y. Filed Feb. 17, 1920. Serial No. 359,428. 2 Claims. (Cl. 91—68.)

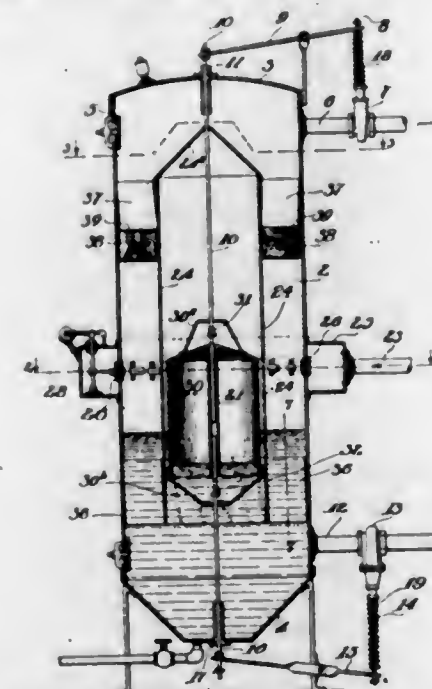
1. The process of oil-proofing and fat-proofing concrete articles and the like, which consists in coating such articles with a mixture of soluble and fusible artificial resinous condensation products of cyclic compounds with a filler, insoluble in said mixture, and including lime, and exposing said coated articles to the action of air at ordinary temperature and under normal pressure, and thereby hardening said mixture upon said articles.

1,521,385. DEVICE FOR THE PRODUCTION OF COMPRESSED OXYGEN FROM LIQUID OXYGEN. ADOLF MESSER, Frankfurt-on-the-Main, Germany. Filed Aug. 29, 1921. Serial No. 496,763. 1 Claim. (Cl. 65—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



Device for producing compressed oxygen from liquid oxygen comprising in combination a receptacle for the liquid oxygen, a compressor, an evaporator consisting of a serpentine tube connected at one end with said receptacle and at the other end with said compressor, said serpentine tube being in heat exchanging contact with the atmosphere, and a discharge pipe at one end connected with the compressor and at the other end adapted to be connected with a steel bottle to be filled.

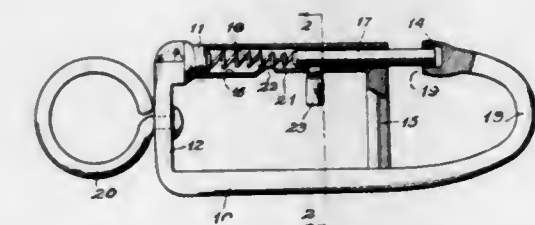
1,521,386. OIL SEPARATOR. BERTRAM NEILL, Norwalk, Calif. Filed Oct. 5, 1923. Serial No. 666,867. 12 Claims. (Cl. 183—44.)



10. An apparatus for separating well product, comprising, in combination, a separating chamber, means for discharging well product into the separating chamber

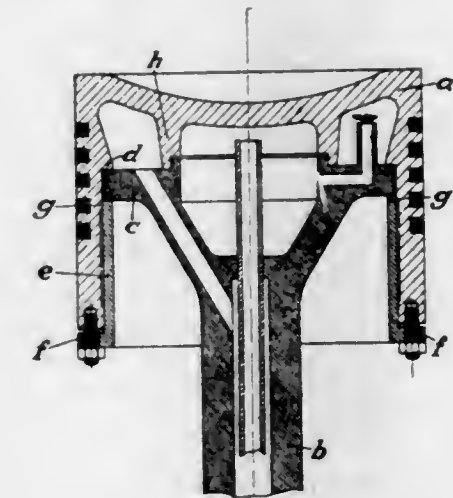
so as to cause the product in the chamber to take a rotative motion, and deflecting barrier means disposed in the chamber so as to intercept the ascending gas constituent of the product to facilitate deposit of a portion of the gases by absorption, said means including a series of inclined, spaced plates, the plates being arranged in an annular series and disposed so that the upper portion of each plate vertically overhangs the lower portion of a contiguous plate and said means including foraminous plates hingedly depending from the spaced plates.

1,521,387. SNAP HOOK. JESSE M. PERICLE, Hutchinson, Minn. Filed June 20, 1924. Serial No. 721,294. 3 Claims. (Cl. 24—241.)



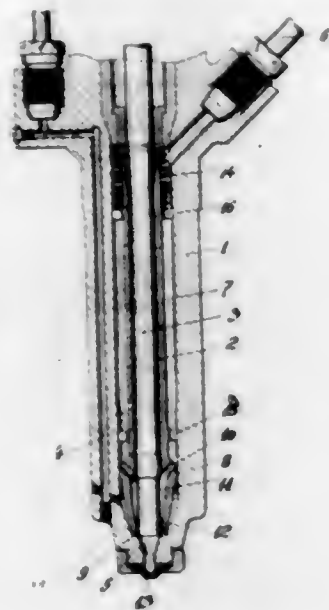
1. A snap hook comprising a pair of parallel side bars, an arm forming a rigid connection between the said bars at one end thereof, a brace spaced from the arm and forming a rigid connection between the side bars near the other end thereof, a ring swiveled on the arm between the side bars and projecting rearwardly from said arm, one of the side bars being provided with an overhanging hook terminating in an enlarged head, a space being formed between the end of the hook and the end of the other side bar, and means adapted to close said space, said means including a spring actuated sliding bolt arranged on the other side bar, a socket being provided in the enlarged head of the hook adapted to receive the end of the bolt.

1,521,388. PISTON AND PISTON ROD OF INTERNAL-COMBUSTION ENGINES. GUSTAV PIELSTICK, Augsburg, Germany, assignor to the Firm Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed June 29, 1921. Serial No. 481,327. 7 Claims. (Cl. 74—108.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



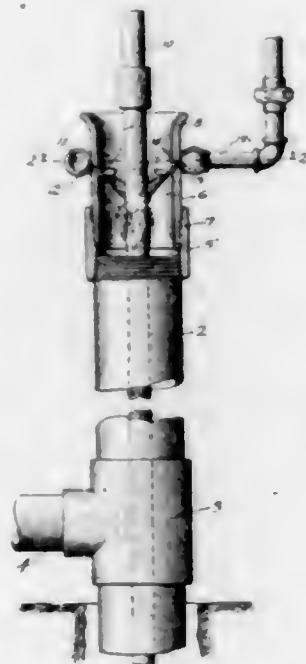
1. In an internal combustion engine, a piston and a piston rod terminating in a flange-like extension, a shoulder formed in the side wall of the piston adapted to be engaged by said extension, and resilient means engaging said extension and serving to maintain it against the shoulder.

1,521,389. LIQUID-FUEL SPRAYING AND INJECTING DEVICE. GUSTAV FIELSTICK, Augsburg, Germany, assignor to the Firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany, a German Corporation. Filed Apr. 4, 1922. Serial No. 549,619. 4 Claims. (Cl. 123-33.)



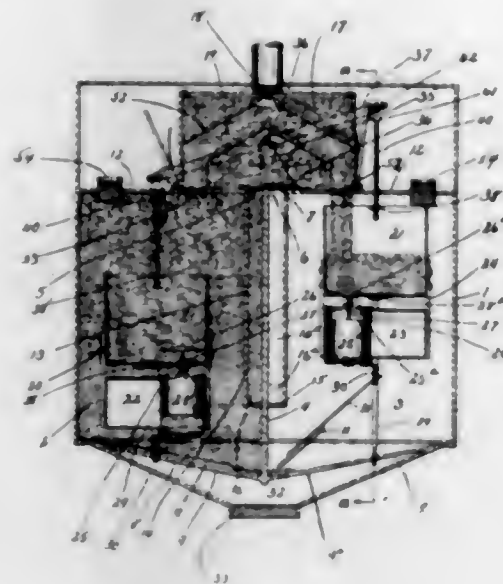
1. In a fuel spraying and injecting device for internal combustion engines the combination with a needle valve and a diffuser of means to admit the fuel closely above the valve seat and means to cause the compressed air to partly force the fuel downwardly through the valve opening and partly to intercept the stream of fuel at right angles to the direction of its flow below the diffuser and above the valve opening.

1,521,390. MUD AND OIL STRIPPER. CHARLES B. REYNOLDS, Whittier, Calif. Filed Apr. 7, 1922. Serial No. 550,263. 5 Claims. (Cl. 166-14.)



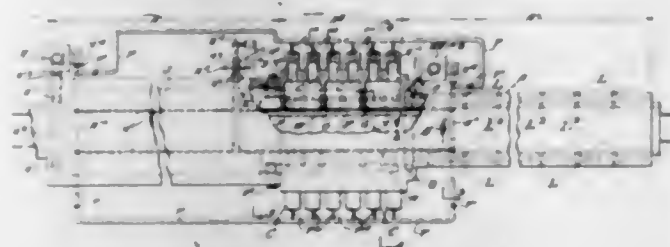
1. The method of stripping adhering loose substance from operating parts as they are drawn from a well casing having a lateral discharge, which consists in converging upon the said parts, as they are pulled down, streams of fluid, and flushing the muck out of the lateral discharge.

1,521,391. LIQUID METER. PATRICK JOSEPH ROACH and DANIEL CARTER, Toronto, Ontario, Canada. Filed Nov. 22, 1922. Serial No. 602,607. 8 Claims. (Cl. 73-28.)



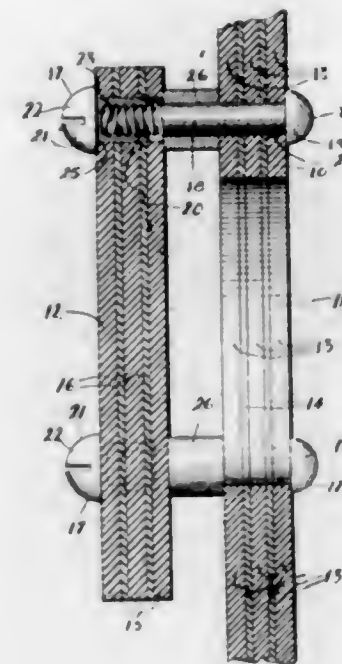
1. A liquid meter comprising two compartments provided with inlet ports, an inlet manifold from which the liquid enters the compartments, means exterior of the compartments by which they overflow into each other, a rocker beam, a valve for the inlet ports actuated by the rocker beam, a pan within each compartment adapted to receive the overflow from the other compartment, each pan having a drainage outlet, float actuated valves for said outlets, locks from which the pans are suspended connected with and controlling the movement of the rocker beam and released by the weight of the pans and contents, a valve closed outlet for each compartment and means controlled by the movement of the rocker beam for opening and closing the last mentioned outlets.

1,521,392. COMBINATION OPEN AND MUFFLE KILN AND METHOD OF OPERATING THE SAME. HARRY M. ROBERTSON, Cleveland, Ohio, assignor to American Dresser Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 11, 1920. Serial No. 429,867. 7 Claims. (Cl. 85-142.)



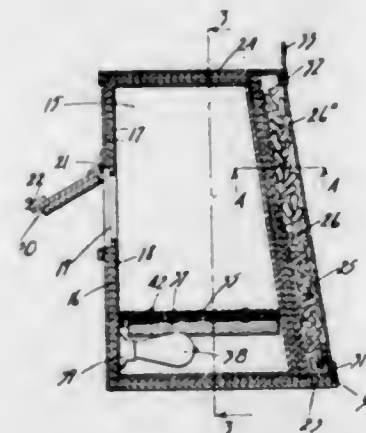
1. The method of treating ceramic ware which consists in gradually heating the ware to a high temperature by passing the ware through a continuous tunnel kiln comprising a heating up zone in which the ware receives the major portion of its heating and in which an oxidizing atmosphere is maintained, and a successive kiln zone in which further heat is supplied to the ware and the latter is subjected to a non-oxidizing atmosphere by contact with hot gases passed into the kiln chamber at its top and withdrawn from the kiln chamber at its bottom.

1,521,393. SPEECH VENT. JAMES T. ROSS, New York, N. Y., assignor to Bullet Proof & Non Shatterable Glass Corporation, New York, N. Y., a Corporation of New York. Filed July 14, 1923. Serial No. 651,600. 1 Claim. (Cl. 89-36.)



The combination with a transparent bullet-proof wall having an opening therein, of a bullet-proof plate arranged in spaced relation to the wall and of a size to extend beyond the edges of the opening, bolts passing through the transparent wall and plate, and spacing collars on the bolts between the transparent wall and plate.

1,521,394. PEANUT HEATER. JOSEPH H. SANFORD, Pasadena, Calif. Filed Sept. 15, 1922. Serial No. 588,368. 10 Claims. (Cl. 34-21.)

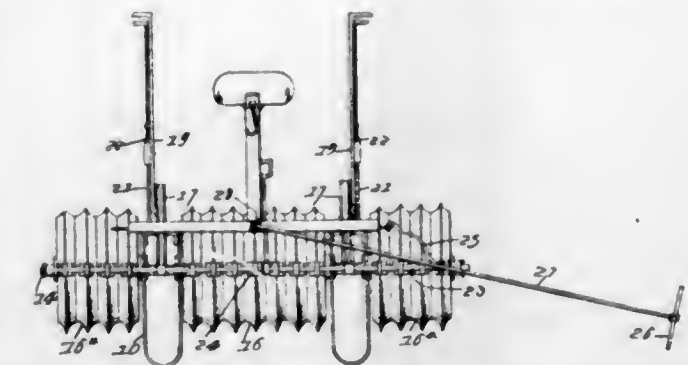


1. A heater comprising a receptacle having a chamber, a supporting member within the chamber upon which the articles to be heated are adapted to be supported, a reflector below the member, and a heating element between the reflector and supporting member.

1,521,395. AGRICULTURAL IMPLEMENT. HENRY SCHICK, Buhl, Idaho. Filed July 27, 1920. Serial No. 399,262. 2 Claims. (Cl. 97-55.)

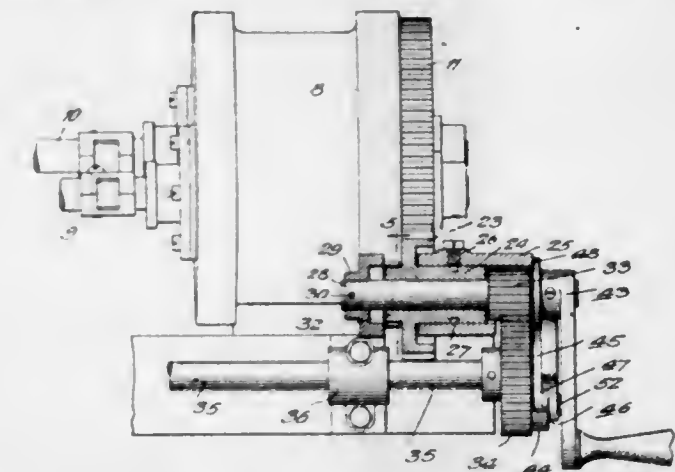
1. A machine for the purpose indicated having a frame and draft means for the same, duplex side plates depend-

ing from the frame and arched at their lower ends to provide spaced side walls, a roller, a shaft on which the roller is mounted, the said shaft being provided with



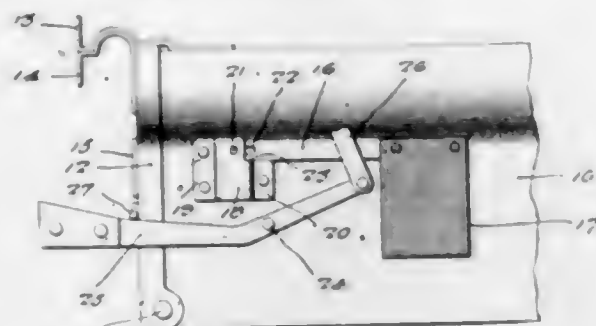
bearings fitted in vertical guides formed in the side plates, and means for adjusting the bearings in said guides for the purpose specified.

1,521,396. WINDING MACHINE. ARCHIBALD D. SCOTT, deceased, late of Jersey City, N. J., by Mary V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed July 14, 1923. Serial No. 651,493. 9 Claims. (Cl. 242-9.)



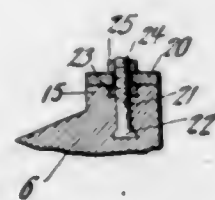
1. In a winding machine, a turret, a driving clutch, a plurality of winding spindles carried thereby for movement, when the turret is rotated, successively into positions for driving engagement with said clutch, means including a control shaft for effecting or breaking driving engagement between the clutch and spindles, a bearing, an auxiliary shaft rotatably mounted in said bearing and connected to said control shaft for operation concomitantly therewith, a gear rotatably mounted on said auxiliary shaft and having driving engagement with said turret, said gear having a plurality of apertures from face to face arranged in a row concentrically of the axis, a clutch collar on the auxiliary shaft adapted when the latter is moved to carry the collar toward the gear to have clutching engagement therewith, said collar having pins adapted to enter the apertures when the collar and gear are clutched and to leave the apertures when the collar and gear are disclutched, a second collar on said auxiliary shaft, a locking pin slidable endwise in said bearing and disposed parallel with said auxiliary shaft between the gear and second collar, said pin being disposed at a distance from the axis of the auxiliary shaft corresponding to that of said row of apertures in the gear, whereby when the auxiliary shaft is shifted in a direction to unclutch it from the gear the second collar will push the locking pin into one of the apertures in the gear and lock the gear and turret against rotation, and when shifted in a direction to clutch it to the gear, the pins on the first collar will enter the apertures and eject the locking pin to release the gear and turret for rotation.

1,521,397. MAIL-BOX ATTACHMENT. BRAXTON L. SCOTT, Clarendon, Va. Filed May 7, 1923. Serial No. 637,299. 1 Claim. (Cl. 232-35.)



A mail box of the character described comprising a hinged door secured to the front thereof, a normally inactive signal device pivotally secured within a bracket on the side of the mail box, an offset lever pivotally mounted off center on the mail box, one end of said lever carrying a loop thereon and encircling the signal arm therein, the other end being enlarged and weighted and normally extending beyond the front of the mail box, a finger mounted upon the door for operation of the lever and signal when the door is opened, and arcuate shaped offset spring fingers upon the box and door respectively and registering one with the other when the door is closed.

1,521,398. CONCRETE GARBAGE CAN. ALFRED SEYFERTH, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,387. 1 Claim. (Cl. 220-32.)

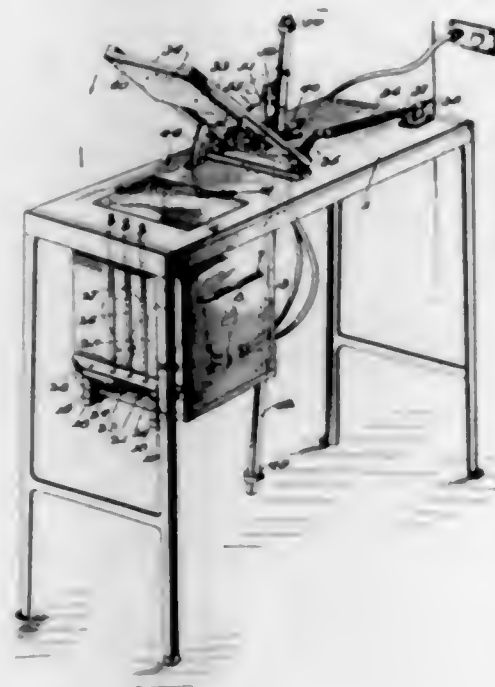


A concrete refuse receptacle having an opening therein, a door for closing said opening, hinges for said door, a metallic frame on which said hinges are mounted and bolts permanently embedded in said concrete for securing said frame in position, said bolts having heads embedded in said concrete, locking members screwthreadedly engaging the same, said members being embedded in said concrete flush with the surface thereof, and means screwthreadedly engaging the portions thereof projecting from said concrete for detachably clamping said frame in position on said concrete and in engagement with said locking members.

1,521,399. APPARATUS FOR PRINTING PHOTOGRAPHIC PRINTS FROM NEGATIVES. IRA D. SHARP, Nicholasville, Ky. Filed Sept. 9, 1922. Serial No. 587,098. 14 Claims. (Cl. 95-73.)

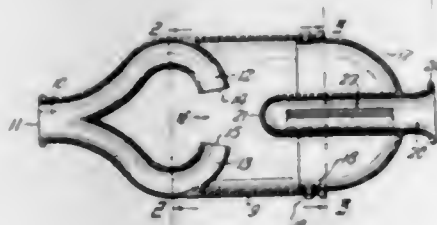
1. A printing machine comprising a cabinet having a printing opening in the top and a sheet of glass supported over the opening, a ground glass spaced from the opening and supported in the cabinet, an electrically controlled illuminating device in the cabinet below the ground glass for supplying a white light, a circuit connected with the illuminating device, means connected with the circuit for varying the intensity of the light supplied, a platen pivotally mounted on the cabinet and movable into engagement with the sheet of glass over the opening in the cabinet, a resilient means for maintaining the platen suspended above the glass, a pendulum mounted for oscillation on the cabinet and resiliently connected with the platen whereby said pendulum is held to one side of the vertical when the platen is suspended above and out of engagement with the sheet of glass, a

switch on the pendulum connected with a lighting circuit adapted to temporarily close the lighting circuit when the platen is moved into engagement with the



sheet of glass and the pendulum is oscillated, said circuit being adapted to be maintained open by the pendulum when said platen is in normal inoperative position.

1,521,400. EXHAUST EDUCTION ATTACHMENT AND MUFFLER FOR INTERNAL-COMBUSTION ENGINES. HENRY SHAW, Homebush, New South Wales, Australia. Filed Aug. 22, 1923. Serial No. 655,676. 1 Claim. (Cl. 137-160.)

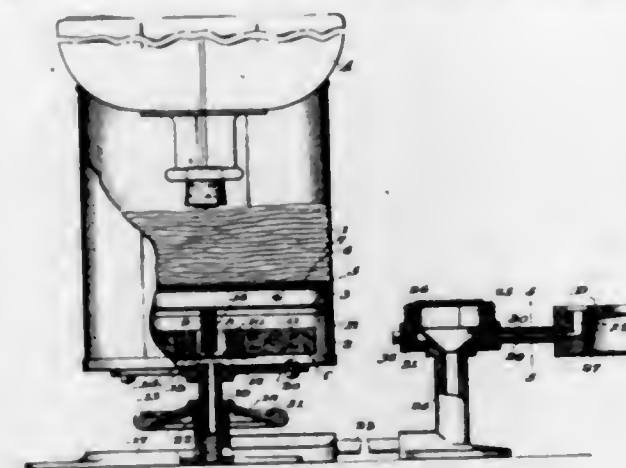


An exhaust muffler comprising a forked gas inflow pipe having its forked ends in bent with their mouths disposed opposite each other, a wide clearance space being provided between said mouths, an expansion chamber having the ends of said forked pipes entering one end of it, and an outlet pipe projecting into the other end of said chamber, said outlet pipe being closed at its inner end and slotted along each side of it within said chamber, with one lip of each side slot in bent and adapted to procure a whirling motion in the gases in said pipe.

1,521,401. MAINTAINED-OIL-LEVEL-REGULATING DEVICE. HENRY M. SHEER, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed Mar. 10, 1921. Serial No. 451,388. 6 Claims. (Cl. 158-38.)

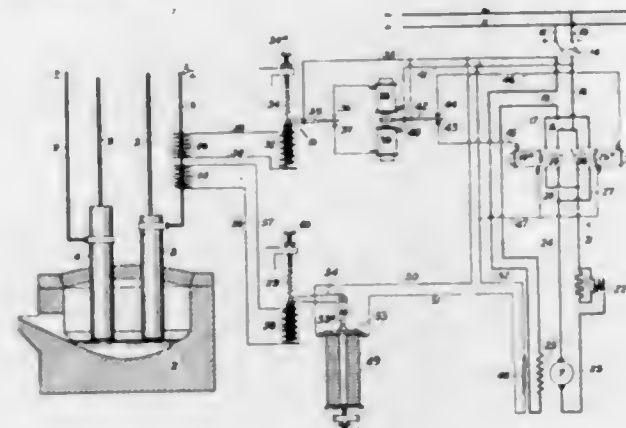
5. A heater comprising a base, a reservoir consisting of upper and lower compartments arranged above said base, a burner, an oil chamber, a feed pipe connecting the lower compartment of the reservoir to the oil chamber, a feed pipe leading from the upper part of the oil chamber to the burner, means arranged in the lower compartment of

the reservoir for maintaining an oil level in said lower compartment and said oil chamber and means for regulating the height of the reservoir relative to the base for



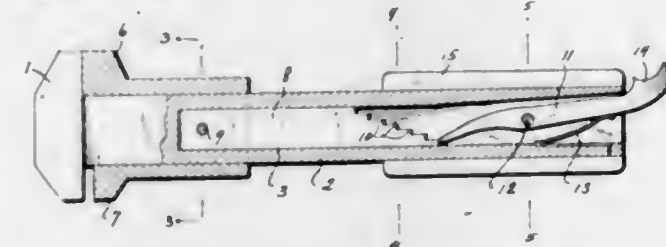
changing the level of the oil from the lower compartment of the reservoir with respect to the oil chamber adjacent the burner.

1,521,402. CONTROL MECHANISM FOR ELECTRIC FURNACES. BARTON R. SHOYER, Pittsburgh, Pa. Filed Feb. 15, 1921. Serial No. 445,072. 13 Claims. (Cl. 204-64.)



12. In the method of operating arc furnaces employing motor operated electrodes, the step consisting of automatically varying the speed of the operating motor proportional to the variations in the current passing through the electrodes to thereby cause said electrodes to approach their neutral position with a gradually decreasing speed.

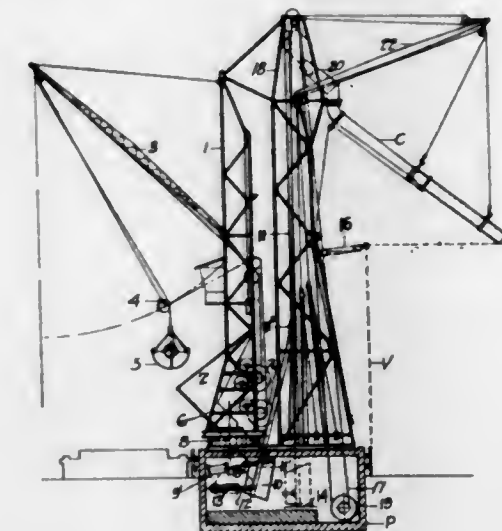
1,521,403. WRENCH. JESSE G. SIMS, Crown City, Ohio. Filed Feb. 16, 1924. Serial No. 693,287. 1 Claim. (Cl. 81-129.)



A wrench comprising an elongated shank of hollow formation terminating at one end in a relatively fixed jaw, said shank being formed with slots in its opposite sides, a carriage slidably mounted on said shank in entirely embracing relation thereto and formed with a jaw co-acting with the first named jaw, a bar within the hollow shank, a pin passing through the carriage and through the slots in the shank and through the bar, the end of the bar most remote from the jaws being formed with a plurality of stepped shoulders, a dog pivoted in

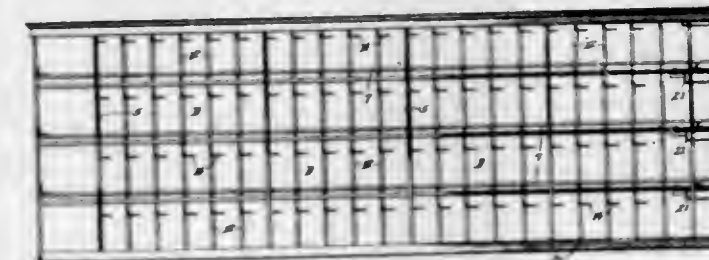
intermediate its ends within the hollow shank and having one end acting as a pawl and cooperating with said shoulders, the other end of the dog projecting beyond the end of the shank most remote from the jaws, and a spring within the shank engaging the dog for normally urging said dog into engagement with said shoulders.

1,521,404. TRANSFER APPARATUS. AUGUSTUS SMITH, Roselle, N. J., assignor to Berger Point Iron Works, Bayonne, N. J., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,099. 2 Claims. (Cl. 214-15.)



1. In transfer apparatus, a chute, a hoistway, guides thereon, a container designed to travel up and down the hoistway, and means whereby said container with the lower portion of the hoistway and guides may be shifted from hoisting position to loading position with said container directly under the discharge end of the chute, and while the container maintains its position on the hoistway guides.

1,521,405. AUTOMATIC PARCEL-ASSORTING MACHINE. JOHN ROBERT SOUSA, Washington, D. C. Filed Apr. 28, 1922. Serial No. 557,155. 6 Claims. (Cl. 214-11.)

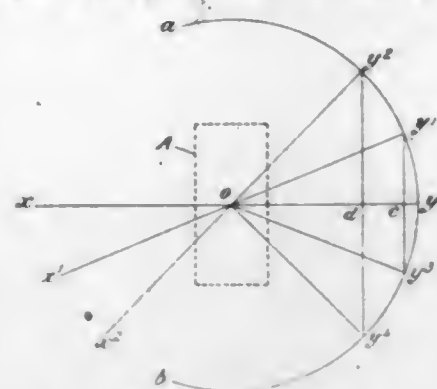


1. A distributing machine comprising a plurality of receiving compartments, means for conveying articles thereto including an electrically operated carriage, electrically operated means associated with each compartment for transferring articles from the carriage to the compartment as the carriage moves past it, circuits for the transferring means and the carriage, manually operated switches in said circuits and means for automatically stopping the carriage at the compartment whose transferring means are in active position and returning the carriage to its starting point.

1,521,406. PROJECTILE. LESLIE BOWN TAYLOR, Birmingham, England. Filed Aug. 24, 1921. Serial No. 494,840. 3 Claims. (Cl. 102-26.)

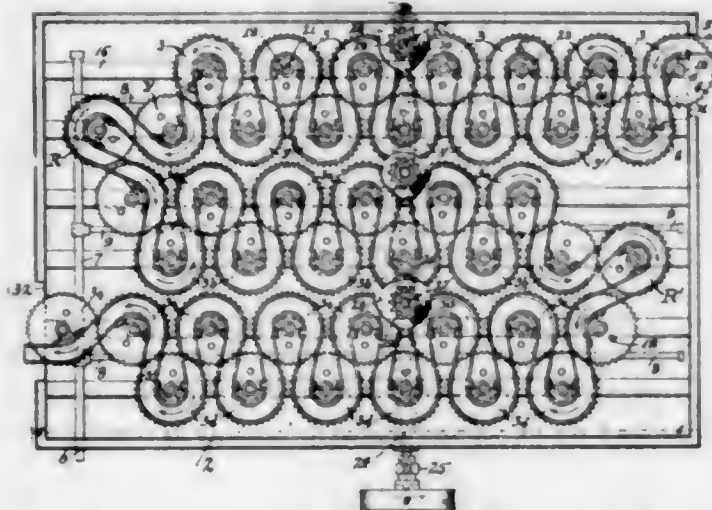
1. A bullet or projectile having a cylindrical portion and so constructed that its plane of gyration is preserved

at the axial center of the cylindrical portion of the said projectile and having a "cone of restitution," the axis



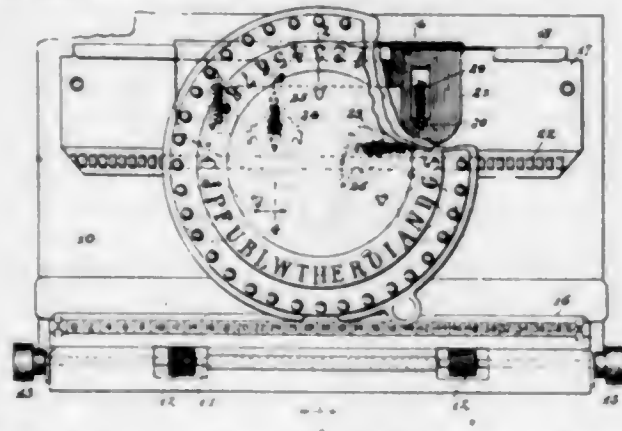
of which is equal to at least three "dynamic calibres," of the projectile.

1,521,407. EXHAUST BOX. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Aug. 18, 1922. Serial No. 582,623. 3 Claims. (Cl. 198-209.)



1. In an apparatus of the described character, the combination with a box, of a carrier therein comprising a plurality of parallel adjacent units, each unit consisting of two parallel coacting lines of juxtaposed, revolvable, horizontal disks for supporting and advancing the cans; means for rotating the disks of one line of each unit in a direction opposite to the rotation of the disks of the other line of said unit; means for rotating the disks of adjacent units in relatively opposite directions; a revolvable, horizontal can-transfer disk for conveying the cans from the end of one unit to the beginning of the adjacent unit; and means for directing the cans back and forth between the disks of the lines of each unit and to and from the transfer disks.

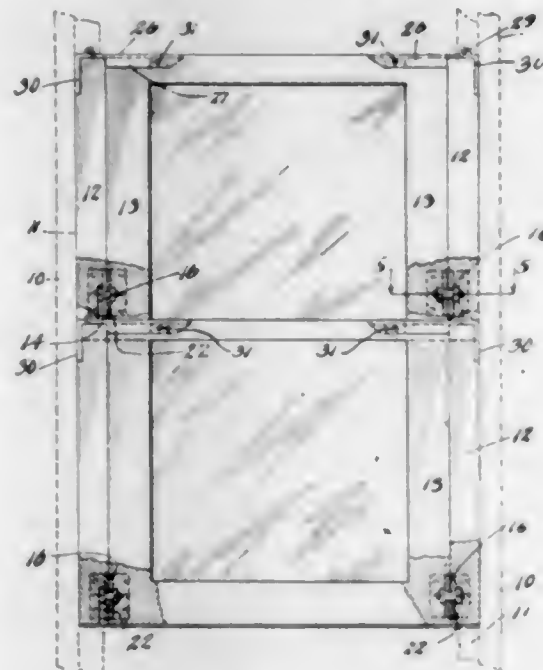
1,521,408. TYPEWRITER. SAMUEL ALEXANDER THOMPSON, New York, N. Y. Filed Mar. 17, 1924. Serial No. 699,882. 2 Claims. (Cl. 197-47.)



1. In a typewriter of the class described, a track, a carriage adapted to travel on the track and adapted to be depressed for printing, a friction plate engaging the

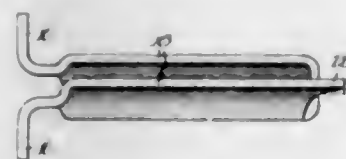
track, and springs to maintain said plate in frictional contact with the track, the bottom plate of the carriage having a slot therein and said springs being secured at one end to the friction plate beneath the bottom of the carriage and passing through said slots, the opposite ends of said springs being secured to said bottom plate of the carriage.

1,521,409. WINDOW SASH. AMABLE S. TUSEZ, Philadelphia, Pa. Filed June 30, 1923. Serial No. 648,759. 4 Claims. (Cl. 20-49.)



1. In a window sash, a sliding stile pivoted thereto, a pivot plate carried by the upper portion of the stile, a connecting plate mounted on said pivot plate and having parallel wings to embrace the upper portion of the sash frame, and means to prevent pivotal movement of said plate relative to said frame.

1,521,410. FULCRUM AND METHOD OF MAKING SAME. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 565,998. 6 Claims. (Cl. 29-164.)



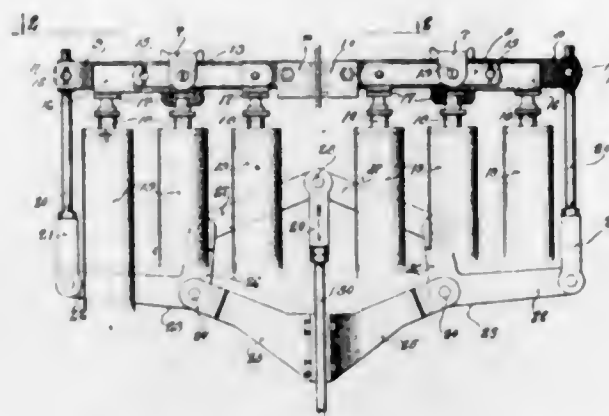
2. A method of making a forged fulcrum consisting first in providing a blank, then bending same intermediate its ends, and then striking up portions of the blank along cut lines at its bend to form tension rod guides.

6. A forged fulcrum comprising a loop member being cut and turned up at the loop to form tension member guides.

1,521,411. EQUALIZING DEVICE FOR COMPRESSION RESISTORS. GUSTAV O. WILMS, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 16, 1922. Serial No. 568,873. 9 Claims. (Cl. 210-51.)

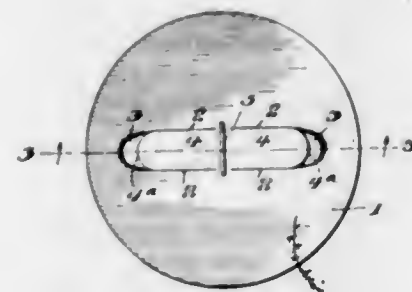
1. In a device of the character described including two compressible resistors, a pair of link members, means pivotally connecting the inner ends of the link members

to provide a toggle joint, means connecting the outer ends of the link members with the resistors whereby straightening of the toggle joint compresses the resistors



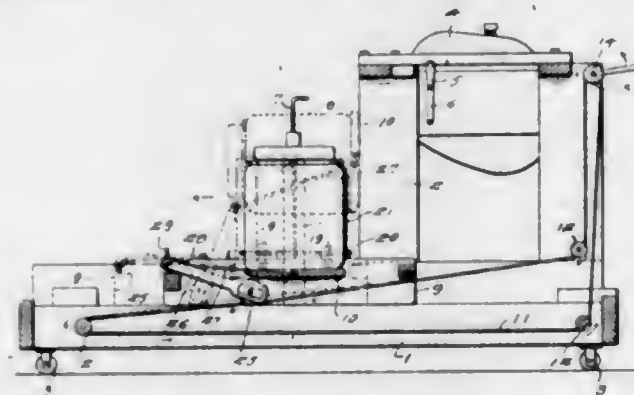
utilizing the reacting force of one resistor to produce pressure on the other, and means for actuating the toggle joint.

1,521,412. CLOSURE DISK. WILBER L. WRIGHT, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed Nov. 14, 1923. Serial No. 674,644. 4 Claims. (Cl. 215-51.)



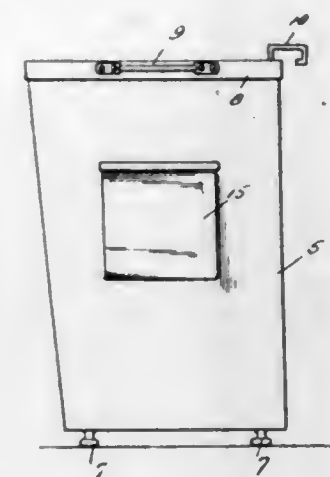
1. A paper material closure disk, of the character substantially as described, without projections at its top and bottom faces, preventing its use in container capping machinery, said disk having its top face incised within the boundaries thereof by a shallow cut forming an elongated panel formed to be split upwardly from the upper part of the disk from both ends toward the center of the panel to form a thin double end lift, the disk being provided with means traversing the top face of the central portion of the panel and extending beyond the same to bind the double end lift to the disk and transmit the extracting pull of the double lift to the disk.

1,521,413. RECEPTACLE MOVING AND DUMPING APPARATUS. HARVEY ALLEN, Anniston, Ala. Filed Jan. 19, 1924. Serial No. 687,302. 4 Claims. (Cl. 214-1.)



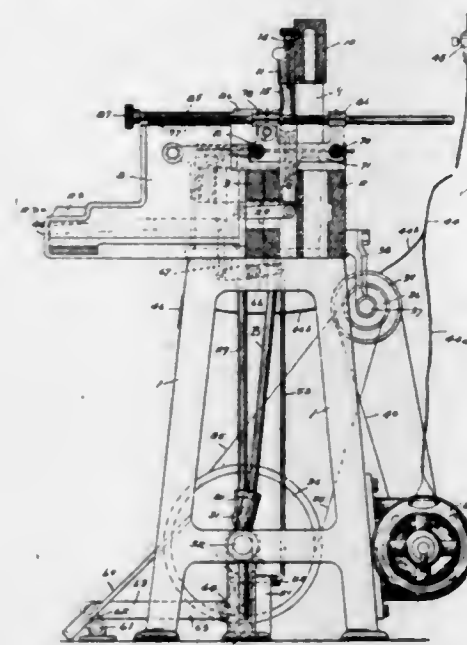
1. A machine of the class described, a frame, a carriage movably mounted on said frame, an elevating and tilting platform mounted on the carriage, operating means for said carriage, and means actuated by said operating means to tilt the platform.

1,521,414. WASH BASKET. HARRY G. ARCARO, Pittsburgh, Pa. Filed June 26, 1923. Serial No. 647,785. 1 Claim. (Cl. 220-1.)



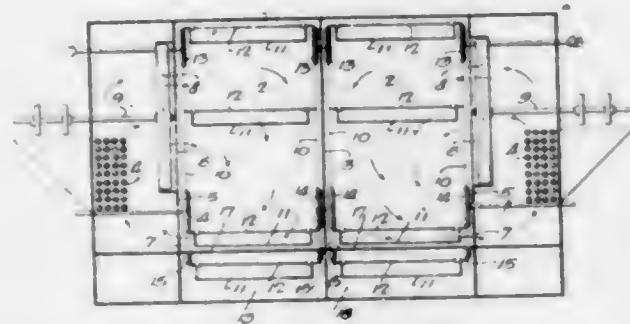
A clothes basket adapted for connection to a washing machine, said basket being imperforate with the exception of a plurality of holes which are formed in the bottom thereof to permit fluid to drain therethrough, a plurality of supporting legs attached to said bottom to space the same above a support upon which the basket is placed, an auxiliary receptacle carried by and disposed on the exterior of said basket for reception of clothes pins and the like, carrying handles attached to said basket, and hooked attaching brackets carried by the basket and adapted to take over one wall of the tub of a washing machine.

1,521,415. MACHINE FOR MAKING STEREOTYPE PLATES FOR PRINTING FOR THE BLIND. JOHN R. ATKINSON and HARRY GEARING, Los Angeles, Calif., assignors to said John R. Atkinson. Filed Mar. 15, 1921. Serial No. 452,527. 5 Claims. (Cl. 197-61.)



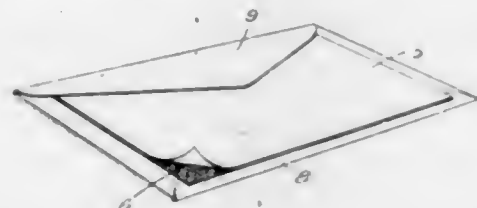
1. In a machine of the character referred to, in combination, means for holding a sheet of material in a flat condition, means for moving the same in its plane edgewise in one direction, key-controlled means for moving said sheet in its plane edgewise in a direction at right angles to the movement aforesaid, a matrix block on one side of said sheet, a stylus block at the other side of said sheet in register with said matrix block, stylus in said stylus block movable to operative positions, key-actuated means for positioning said stylus selectively in the stylus block, and means for bodily moving the stylus block and positioned stylus against the said sheet and said matrix block, substantially as described.

1,521,416. DRIER. ELWOOD B. AYRES, Philadelphia, Pa., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 22, 1920. Serial No. 367,838. 1 Claim. (Cl. 34-12.)



The combination in a drying machine, of a casing; a drying compartment made in two sections; means for circulating air in each section; a series of vertical partitions extending to the top of the casing; a horizontal partition near the bottom of the machine separating the drying compartment from a cooling chamber; a cooling chamber at one end of the machine; means for circulating air therein, the latter cooling chamber communicating with the first mentioned cooling chamber; an upper and lower set of wheels, the lower wheels alternating with the upper wheels; and a conveyor passing around the several wheels and through the two drying compartments and the cooling chamber, the return run of the conveyor passing through the lower cooling chamber.

1,521,417. MEANS FOR RECORDING AN ADDRESS. WILSON C. BAIN and FRANK P. PITMAN, Wichita Falls, Tex. Filed Nov. 11, 1922. Serial No. 600,304. 1 Claim. (Cl. 282-22.)

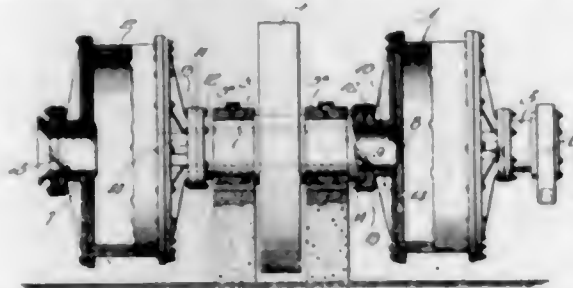


A device for use in connection with the recording of fac-similes of addresses on envelopes, consisting of a two-fold rectangular sheet of flexible material adapted to be positioned between the flap and back of an envelope and having its folds providing an outer record section and an inner manifold section arranged in opposed relation, said sheet further provided throughout at its bend to form the folds with a transverse row of perforations forming a line of separation between the sections and further providing for the severing of the recording section from the manifold section, said manifold section having its transferring surface on that face thereof opposing the inner face of said record section to provide for a record on the inner face of the record section when the manifold section is depressed when placing an address on the front of an envelope.

1,521,418. BALL MILL. JOHN R. BALL, Durango, Colo. Filed Sept. 14, 1923. Serial No. 662,693. 3 Claims. (Cl. 83-9.)

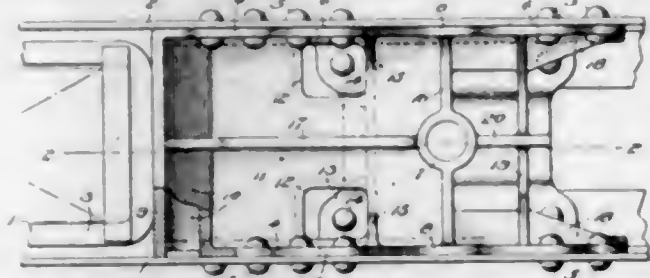
1. A mill comprising a pair of spaced coaxial grinding cylinders, the outer end of one of said cylinders being provided with an inlet for unground material, while the outer end of the other cylinder is formed with a final discharge for the ground material, bearing means between the two cylinders, and a single tubular drive shaft

for said cylinders, co-axial with and secured to the inner ends of said cylinders and establishing communication between the same, said shaft being rotatable in said



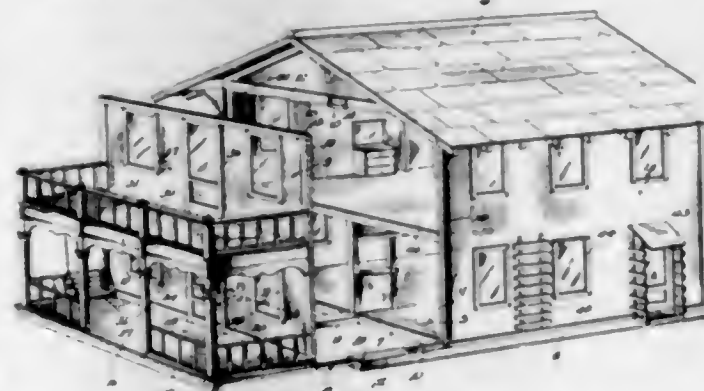
bearing means and forming therewith the sole supporting means for said cylinders, whereby the latter are fully accessible for disassembly when making repairs.

1,521,419. DRAFT RIGGING. DONALD S. BARROWS, Rochester, N. Y., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,660. 15 Claims. (Cl. 213-57.)



1. A draft rigging back stop comprising side walls adapted to be secured to spaced car sills, a forward end wall united to said side walls and adapted to form an abutment for a movable part of the draft rigging, and transversely disposed rearwardly extending converging webs uniting the forward end wall to said side walls and forming a triangular reinforcing portion for said forward end wall.

1,521,420. DOLL HOUSE. THOMPSON G. BEERE, Harbor Springs, Mich. Filed Aug. 13, 1923. Serial No. 657,009. 12 Claims. (Cl. 20-2.)

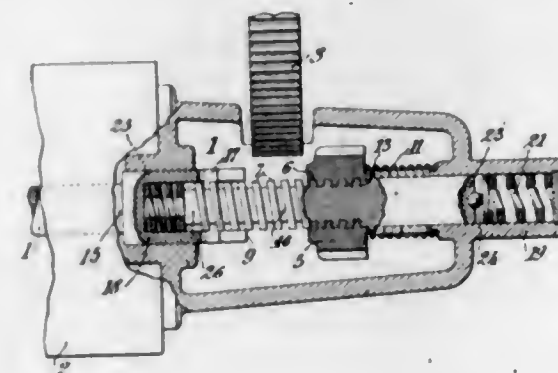


1. A doll house having an open side, and a wall slidably supported for movement directly toward and directly away from the house and therefore into and out of position closing the said side, whereby to provide for access to the interior of the house.

1,521,421. AUTOMATIC CLUTCHING OR STARTING DEVICE. CARL BERGMANN, Jr., West Hoboken, N. J., assignor of one-half to Willard W. Silvernail, Newark, N. J. Filed Oct. 11, 1921. Serial No. 507,027. 6 Claims. (Cl. 74-7.)

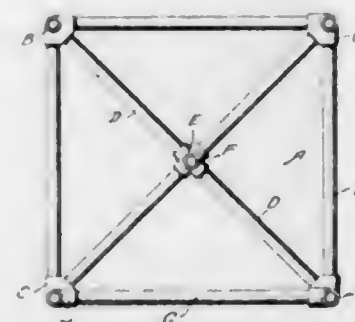
1. An automatic clutch or starting device comprising a driving shaft, in two aligned sections, one of said shaft sections being supported at one end upon and movable axially toward and from the other, means supporting

said axially movable shaft section at its other end independently of said shaft, a driving gear on said axially movable shaft section, said axially movable shaft section and gear having a threaded connection, and a driven gear of an engine or the like to be started, said driving shaft, when rotated, being adapted to feed said driving gear into engagement with said driven gear, and said driven gear, when rotated, having a peripheral speed which



turns said driving gear faster than said shaft on which it is mounted, whereby said driving gear is fed along said shaft and out of engagement with said driven gear, a stop adapted to limit the feed of said driving gear on said shaft into engagement with said driven gear, and a spring adapted to receive the axial thrust of said axially movable shaft section after said gear comes into contact with said stop.

1,521,422. POLE OR TOWER. GEORGE WASHINGTON BOYD, Nashville, Tenn. Filed July 23, 1923. Serial No. 653,211. 1 Claim. (Cl. 189-24.)

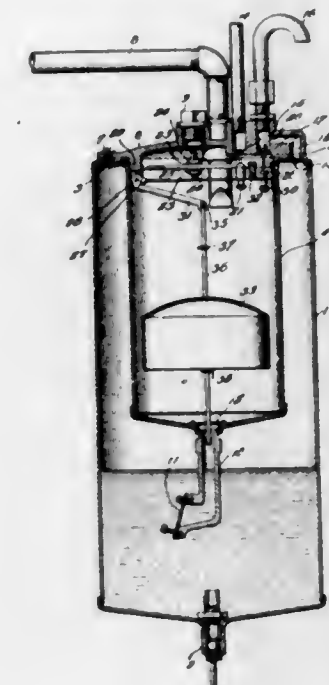


A tower or pole, consisting of a base or foundation, a central vertical member supported in said base and composed of pipe sections having their ends threaded, corner vertical members anchored in said base and each composed of pipe sections having their ends threaded, six way threaded couplings connecting the sections of the central member, a series of horizontal pipe sections having their ends threaded and connected to said six way couplings, and a series of five way threaded couplings connecting the horizontal and vertical pipe section to form a complete sectional tower.

1,521,423. VACUUM TANK. AARON F. BOYLAN, Denison, Iowa. Filed Dec. 29, 1922. Serial No. 609,649. 1 Claim. (Cl. 103-236.)

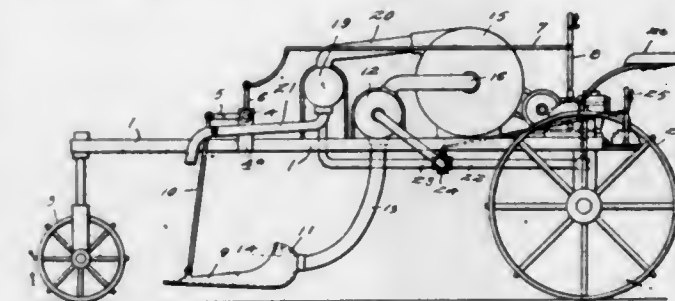
In a fuel supply system for an internal combustion engine, a vacuum tank having a suction conduit and a vent, a magnet in the tank, a bell crank lever fulcrumed in the tank and comprising upper and lower arms, valves carried by the upper arm of the lever and controlling the suction conduit and the vent, a float connected to the lower arm of the bell crank lever, and an armature carried by the lever, and responsive to the magnet, the distance between the armature and the fulcrum of the

lever being materially greater than the distance between the fulcrum and the point of connection between the float and the lower arm of the lever, said lower arm



slanting downwardly and inwardly, and the upper arm being disposed substantially at right angles to the axis of the tank.

1,521,424. BOLL-WEEVIL EXTERMINATOR. SAMUEL L. BROWNLOW, Elmo, Ark. Filed July 7, 1923. Serial No. 650,136. 9 Claims. (Cl. 43-140.)



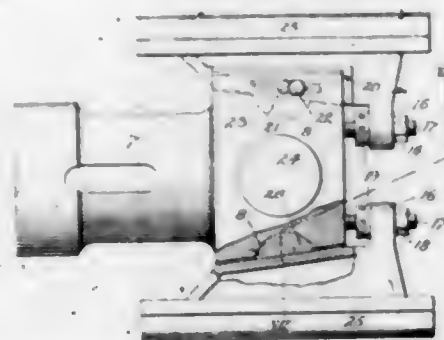
8. An exterminating machine of the class described having a header, a tank, a blower associated with said tank, a pipe in communication with the header and tank to supply exhaust gases of an internal combustion engine thereto, control valve means for said pipe, a pan in communication with said tank to collect insects, and branch pipes leading from the header to discharge the gases into the atmosphere and in the direction of the pan.

1,521,425. IMPLEMENT FOR CLEANING TEETH. THOMAS A. BUCKLEY, Brooklyn, N. Y. Filed Oct. 6, 1922. Serial No. 592,806. 1 Claim. (Cl. 15-210.)



An implement for cleaning teeth comprising a handle having one end portion looped upon itself and spaced from the body portion of the handle, the inner surface of said looped end portion being provided with teeth.

1,521,426. CROSSHEAD FOR RECIPROCATING MACHINERY. RUDOLPH W. BUEHNER, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 11, 1924. Serial No. 731,530. 9 Claims. (Cl. 74-84.)



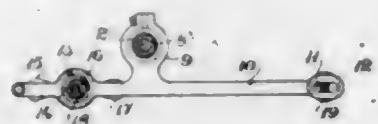
6. In a cross head for reciprocating machines, the combination of a cross head body having a pair of oppositely disposed channels formed on the upper and lower faces thereof, the bottom wall of the grooves of the upper and lower channels converging toward each other with a rounded seat formed in the bottom wall of each channel; a rocking bearing block placed in each seat, the upper face whereof is flat; a pair of shoes, each shoe having a pair of inwardly projecting flanges, the outer edges whereof are flat and inclined, said edges, when the parts are assembled, directly contacting the flat faces of the underlying bearing block; and means for securing longitudinal adjustment of the shoe with reference to the cross head body.

1,521,427. CUFF BUTTON. LOUIS P. BUISSE, New York, N. Y. Filed Sept. 6, 1923. Serial No. 661,199. 1 Claim. (Cl. 24-102.)



A cuff button device having two buttons, each button consisting of a front and a back flexibly connected together, attaching means on said backs, and a resilient means engaged at opposite ends by said attaching means independently of their flexible connection to enable movement of one button as a whole relatively to the other button.

1,521,428. MEANS FOR ADJUSTING SHAFTS. GEORGE FREDERICK HULL, Birmingham, England, assignor of one-half to Charles H. Pugh Limited, Birmingham, England. Filed June 2, 1922. Serial No. 565,412. 3 Claims. (Cl. 64-53.)

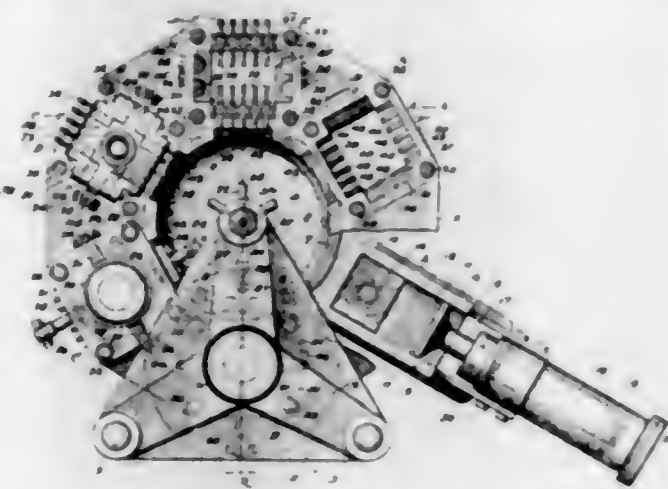


1. Means for adjusting a shaft, comprising two fixed members, a pair of eccentrics rotatable one within the other and upon one of the fixed members, and a shaft-carrying member supported by the eccentrics and the other fixed member and adapted for angular movement about and longitudinal movement relative to the latter fixed member.

1,521,429. BALING PRESS. WARNER H. CAMP, Atlanta, Ga., assignor, by mesne assignments, to J. Hall Miller, Atlanta, Ga. Filed Sept. 10, 1919. Serial No. 322,918. 57 Claims. (Cl. 100-19.)

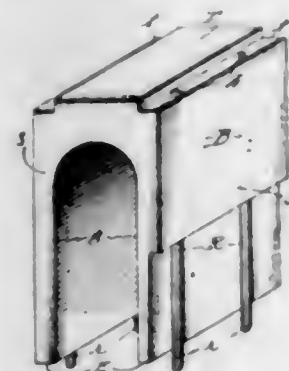
1. In a baling press, the combination with a press chamber of a second chamber adapted for end-wise communication with said press chamber and to receive

initially the charge of material to be compressed in said press chamber, means movable at a right angle to the end-wise direction of communication of said second chamber and said press chamber for preliminarily com-



pressing the material in said second chamber, and means movable in the end-wise direction of communication of said second chamber and said press chamber for transferring the preliminarily compressed material from said second chamber to said press chamber.

1,521,430. REINFORCED CEMENT TILE STRUCTURE. SCOTT E. CAMPBELL, Los Angeles, Calif. Filed Mar. 28, 1923. Serial No. 628,359. 3 Claims. (Cl. 72-42.)



1. A reinforced tile structure including a block having a longitudinally formed passage therein, open at the bottom and closed at the top, a longitudinal rib on the top thereof adapted to seat in the lower end of the passage of an adjacent tile, substantially U-shaped reinforcing members embedded in the block at uniformly spaced distances and extending around said passage, said reinforcing members being extended substantially from the bottom of said block, and recesses formed on the opposite sides of said rib in the top of the block for receiving the depending ends of the reinforcing members of a block supported thereabove.

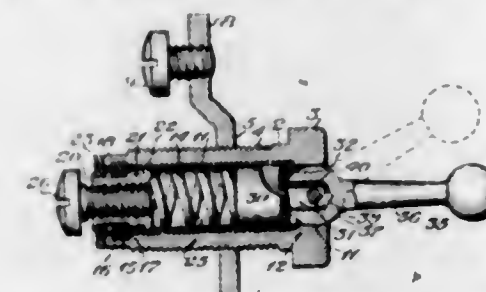
1,521,431. BUTTON. LEONARD R. CARLEY, Watertown, Conn., assignor to The Patent Button Company, Watertown, Conn., a Corporation of Connecticut. Filed Feb. 26, 1924. Serial No. 695,198. 3 Claims. (Cl. 24-95.)



1. The method of securing a button cap to the body of a button consisting in providing the upper and outwardly flared flange of the body of the button with peripheral parallel indentations or corrugations, assembling a cap upon the flared flange, with the downwardly extending flange of the cap encompassing the flange of

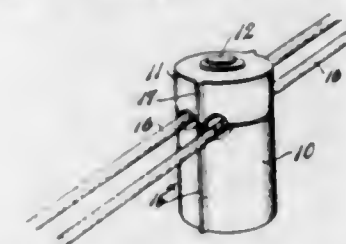
the body of the button, and subjecting the two flanges to external pressure and causing the metal of the flange of the cap to flow into the parallel indentations or corrugations of the flange of the body of the button and securely lock the two in place.

1,521,432. ELECTRICAL SWITCH. JOHN F. CAVANAGH, Providence, R. I. Filed Apr. 24, 1924. Serial No. 708,718. 11 Claims. (Cl. 200-164.)



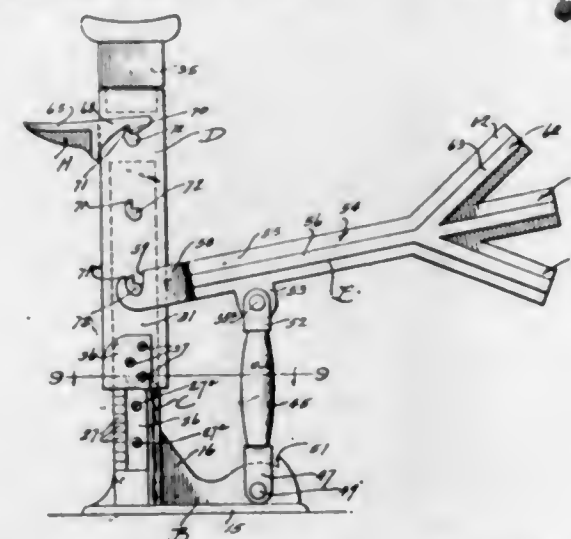
1. An electrical switch comprising a casing, a yieldable contact-element in said casing having its contact face protected by insulating material with the exception of a relatively small area thereon, and a lever having a recessed portion bearing against the insulated face of the contact-element with its recess adapted to surround the contact area thereof to prevent electrical connection therebetween, said lever adapted to be moved into position to displace its recess to engage its solid portion with the exposed area of the contact-element.

1,521,433. INDICATING INSULATOR. ROBERT W. CHARLTON, Pineville, La. Filed Apr. 17, 1923. Serial No. 632,739. 5 Claims. (Cl. 173-314.)



1. An insulator comprising a body portion provided with a transverse duct to receive a conducting member, a clamping cap for said body, and indicating means provided upon the periphery of the body disposed relative to the position of said duct.

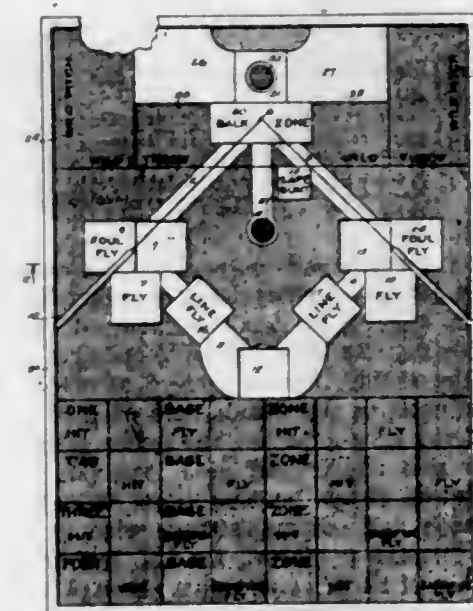
1,521,434. JACK STRUCTURE. RICHARD A. CLARKE, Chattanooga, Tenn., assignor of one-half to Thomas H. Clay, Chattanooga, Tenn. Filed May 24, 1923. Serial No. 641,221. 6 Claims. (Cl. 254-134.)



1. A jack comprising a base, a standard, a lifting member movably arranged upon the standard, means on the standard and lifting member for engagement whereby

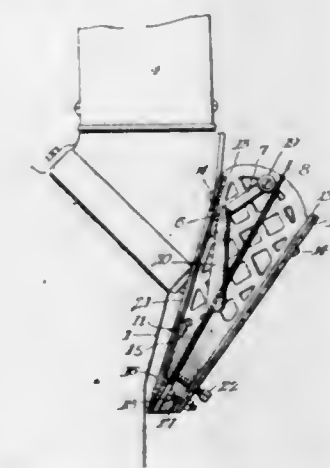
they may be held at a predetermined adjustment, and common means for laterally shifting of the lifting member to permit disconnection of the parts of the first mentioned means and then shifting the lifting member vertically along the standard.

1,521,435. BASEBALL GAME. ELIJAH H. COLE, Brooklyn, N. Y. Filed Nov. 8, 1923. Serial No. 673,576. 3 Claims. (Cl. 243-88.)



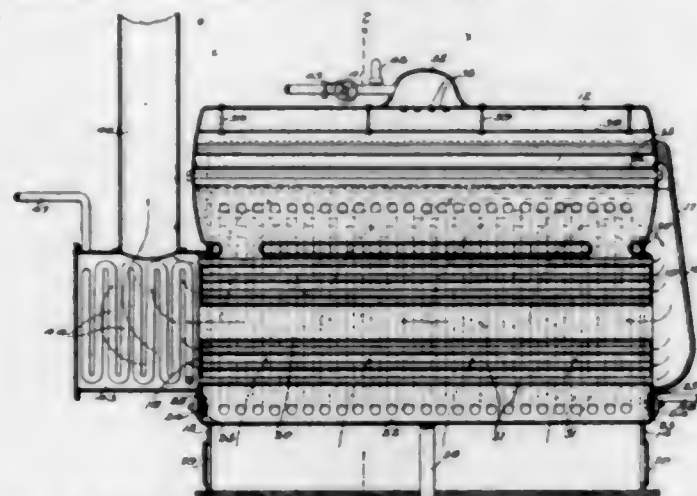
1. A baseball game apparatus which comprises a playing surface on which a baseball diamond is marked off, a projecting pin at the home plate against which a game piece is adapted to be projected to rebound therefrom in any direction in accordance with the skillful effort of the player projecting the piece, said surface being provided with a depressed area at the first, second and third base positions to receive an outfield game piece projected thereto from any part of the field for the purpose of putting out the runner, said board also provided with foul and fair fly areas at the first, second and third base positions for the reception of game pieces coming to rest thereon.

1,521,436. AUTOMATIC DRAFT REGULATOR. LESLIE DANA, St. Louis, Mo. Filed Oct. 18, 1923. Serial No. 669,423. 8 Claims. (Cl. 236-101.)



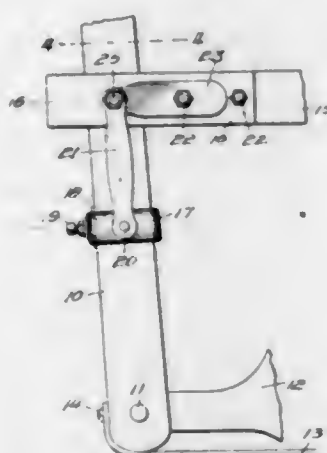
1. An automatic draft regulator for stoves, furnaces and the like comprising, in combination, a draft door on the outlet flue, said door being vertically disposed and pivoted at its lower edge to swing outwards at the top, a crank arm on said door and a bending thermostat outside said flue cooperating with said arm to permit said door to open and cause it to close upon a rise and fall, respectively, in the temperature of the stove.

1,521,437. STEAM GENERATOR. LOUIS DE SANTIS, New York, N. Y. Filed May 20, 1922. Serial No. 562,348. 4 Claims. (Cl. 122-42.)



3. A steam generator comprising a casing having firing means therein, superposed communicating drums mounted within the casing, the upper drum forming a closure for the top of the casing, a flue formed at one end of the casing at the ends of the drums, one of said drums having a constricted area adjacent the firing means, conduits leading from said constricted area into the upper drum around the lower drum, heating tubes mounted through the lower drum and communicating with said flue, the upper drum forming a closure for the top of the casing whereby heat will be directed down through the flue and out through the heating tubes within the lower drum after contact with the outer surface of the drums and conduits.

1,521,438. PICKER-STICK AND SWEEP-STICK COUPLING. ROBERT S. DODDS, Webster, Mass. Filed July 14, 1922. Serial No. 575,095. 2 Claims. (Cl. 139-154.)

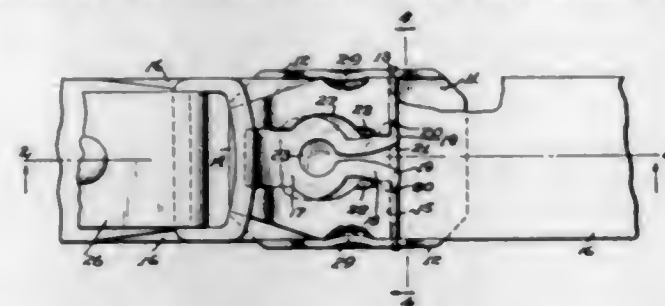


1. In a device of the class described, the combination with a sweep stick having a U-shaped strap bolted thereto to receive the picker stick, of a clip plate attached to the sweep stick by one of the holding bolts of the strap, a collar bearing around the picker stick and adjustable thereon and having a lateral stud, and a link pivoted at one end to the clip and engaging the stud of the collar at the other end.

1,521,439. BELT BUCKLE. FRANK EDWARD FORSELL, Providence, R. I., assignor to Parks Bros. & Rogers, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 3, 1921. Serial No. 512,513. 5 Claims. (Cl. 24-78.)

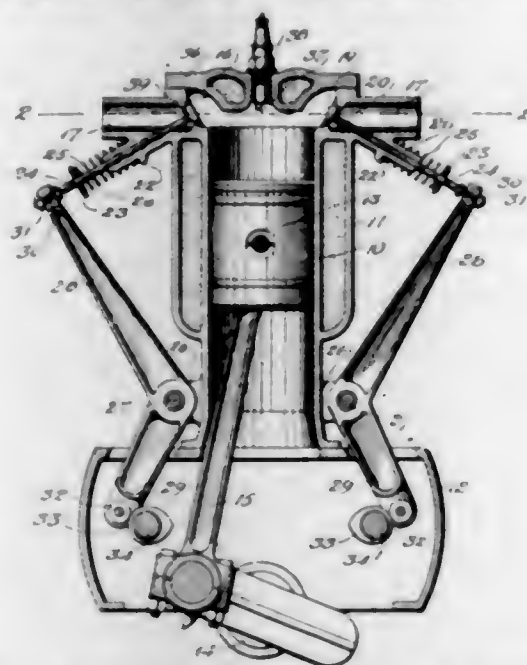
1. A belt buckle comprising a face plate, a belt end clamping member pivoted on the rear side of said face plate, and having an opening formed centrally thereof, an angularly disposed jaw carried by said clamping member and adapted to clamp the belt end against the rear side of the face plate when operative, said jaw having a slotted opening formed intermediate its ends, a snap member having an eyelet at one end for the attachment thereto

of the opposite end of the belt, and resilient latch arms carried at the opposite end of said snap member and



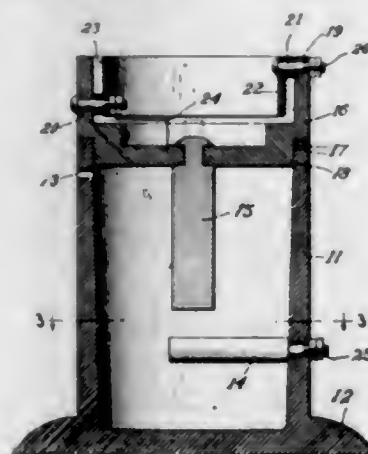
adapted to be passed through the said central opening of said clamping member and engaged in the said slotted opening of said jaw.

1,521,440. MOTOR FOR AUTOMOBILES. OSCAR V. FOSTER, Louisville, Ky. Filed Mar. 17, 1922. Serial No. 544,556. 3 Claims. (Cl. 123-75.)



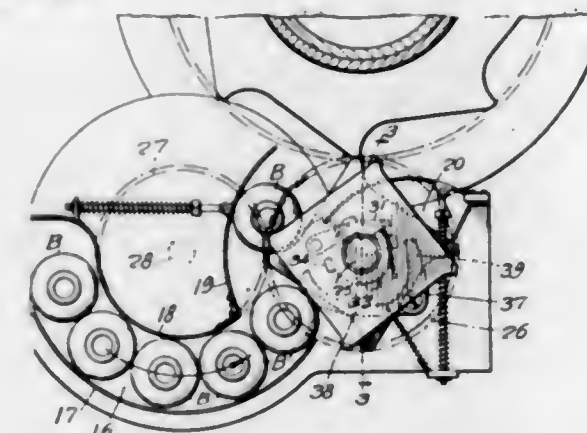
1. In an internal combustion engine, a cylinder having a gas port on each side, valves controlling said ports, a removable head on said cylinder having the sides of its under surface curved inwardly and downwardly towards the center of the cylinder to form baffles for directing the inflowing gases downward toward the center of the cylinder and the outflowing gases outward away from said center, and a spark plug located centrally between the two baffle surfaces, and means for causing the valves to open and close simultaneously.

1,521,441. RECTIFIER. JOHN W. FRASER, Cleveland, Ohio. Filed Apr. 23, 1923. Serial No. 633,950. 3 Claims. (Cl. 175-315.)



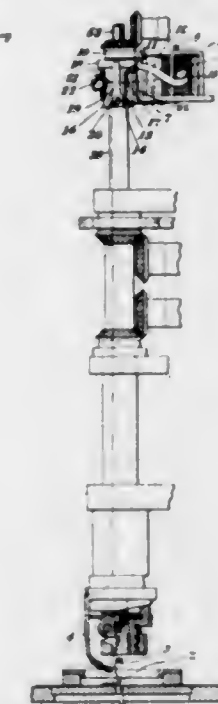
1. A rectifier comprising a jar, electrolyte therein, a cover for said jar, an electrode carried by said jar and extending into said electrolyte, and an electrode carried by said cover and extending into said electrolyte into functioning proximity to the electrode carried by said jar.

1,521,442. BOTTLE-CROWNING MACHINE. JOHN J. GAYNOR, Indianapolis, Ind., assignor to Common Sense Crowner Company, a Corporation of Indiana. Filed Oct. 28, 1921. Serial No. 511,034. 7 Claims. (Cl. 198-21.)



1. In a bottle crowning machine, a bottle timing device and means for positively driving the same, said timing device including means operable by a bottle for effecting connection between the timing device and its driving means, comprising a continuously operable shaft, bottle feeding means loosely mounted on said shaft and means for effecting a driving connection between the bottle feeding means and the drive shaft operated by a bottle, and means for resiliently holding the bottle against said bottle feeding means.

1,521,443. SEWING MACHINE. JOSEPH A. GROEBELI, New York, N. Y. Filed Jan. 12, 1924. Serial No. 685,773. 5 Claims. (Cl. 112-98.)

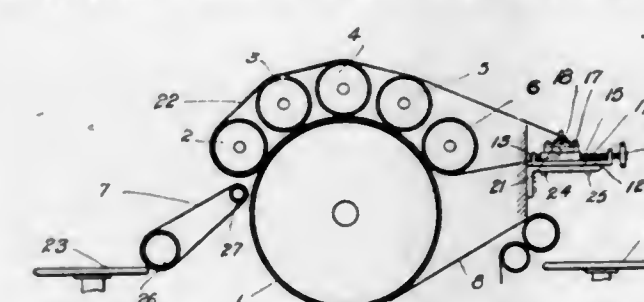


1. The combination, in a sewing machine, embodying stitch forming means including a looper, of a thread reel rotating with the looper, tensioning means, means for creating slack thread between the reel and the tensioning means and for restoring to the slack after each stitch an amount of thread equal to that used in the preceding stitch.

1,521,444. RETURN CONVEYER FOR MANGLES. WILLIAM HARPER, Kansas City, Mo., assignor of one-third to William N. Walker and one-third to John M. Harper, both of Kansas City, Mo. Filed Mar. 10, 1922. Serial No. 542,606. 1 Claim. (Cl. 68-9.)

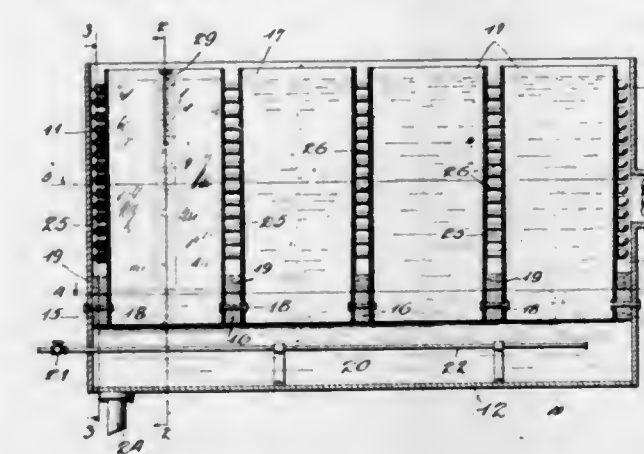
In combination, the main roller or drum of a mangle having a belt passing around the same for guiding material to be acted upon by the drum and a return conveyer mounted above the drum for returning material

from the rear of the machine to the front of the machine, said return conveyer comprising brackets on the rear of the frame spaced from the drum, blocks adjustably mounted on said brackets, means for adjusting said blocks, a shaft mounted in said blocks parallel with the



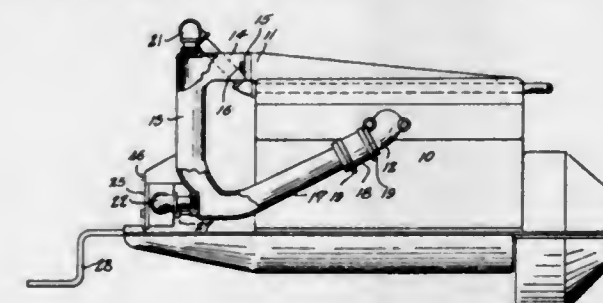
drum, a roller on said shaft, an endless belt running over the roller and ironing rolls over which the endless belt runs so that the ironing rolls may keep the belt in frictional contact with the drum, the endless belt being of less width than the drum and the ironing rolls.

1,521,445. REFRIGERATING APPARATUS. DENNIS J. HAYES, New Orleans, La. Filed June 13, 1923. Serial No. 645,086. 3 Claims. (Cl. 62-159.)



1. An ice making apparatus comprising a tank, the tank having a brine compartment, a raw water compartment and ice compartments within the brine compartments and so arranged that the brine surrounds all of the sides of the ice compartments, the ice compartments being always in free communication through substantially their full bottoms with the water compartment, a heat insulating means adjacent the bottom of the brine compartment and surrounding the ice compartment adjacent the lower end thereof.

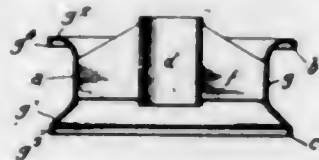
1,521,446. MARINE COOLING SYSTEM. CLINTON C. HUBBELL, Norwalk, Conn. Filed Feb. 26, 1923. Serial No. 621,332. 7 Claims. (Cl. 123-175.)



3. In a cooling means for an internal combustion engine having a water inlet to and a water outlet from the cylinder jacket, an upright manifold of sufficient capacity to form a water storage space, a connection from the upper portion of the manifold to the outlet from the cylinder jacket, an upwardly inclined connection from the lower portion of the manifold to the inlet to the cylinder jacket, a connection from a source of water supply to the lower part of said manifold and

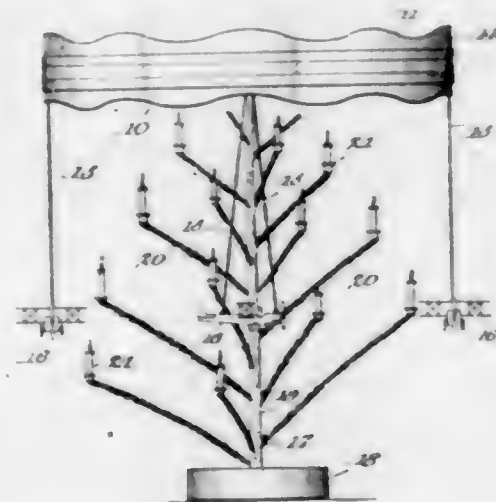
In substantial alignment with the entrance to said inclined connection, a pump in said supply connection for forcing water therethrough to the manifold, a driving connection from the engine to the pump, and an overflow pipe leading from the upper portion of the manifold.

1,521,447. VALVE. OTTO KÜLSCH, Baden, Germany, assignor to the Firm Heinrich Lanz, Mannheim, Baden, Germany, a Copartnership. Filed June 20, 1924. Serial No. 721,275. 3 Claims. (Cl. 251-159.)



3. A double-seat control valve for fluid motors which comprises an integral seamless annular body of Mannesmann tubing rolled to shape and a spindle guide supported by radial ribs the outer ends of which are united to the walls of the body.

1,521,448. COMBINED TOY AND ORNAMENT. WILLIAM KRAGIEL, Paterson, N. J. Filed May 19, 1922. Serial No. 562,168. 1 Claim. (Cl. 46-14.)

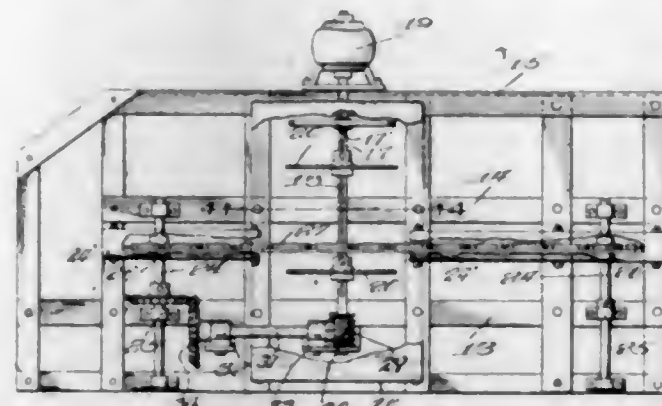


As a new article of manufacture a combined ornament and toy for Christmas trees comprising a member having a hub and a band encircling said hub, a plurality of radially disposed vanes connecting said hub with said band, a removable tubular pintle adapted to be attached to the tip of a Christmas tree and having a tapered end, a bearing in said hub for removably receiving said pintle for supporting said member above the tree, a plurality of devices suspended from said band by means of flexible cables and candles adapted to be supported by the limb of a tree beneath said member whereby the heat from said candles will co-act with the vanes of said member for causing the same to revolve about the tree and causing the figure to swing outward by centrifugal force as and for the purpose specified.

1,521,449. ICE SCORING MACHINE. AUBREY MURRAY LEE, Coleman, Tex. Filed Apr. 4, 1923. Serial No. 629,910. 1 Claim. (Cl. 125-13.)

An ice scoring machine comprising a frame consisting of side members and a run way arranged therebetween, a supporting structure formed intermediately of said frame, shafts journaled upon said supporting structure, independent motive means directly connected to each shaft, adjustable ice scoring saws carried by said shafts and extending above said run way, horizontally arranged conveyor chains disposed longitudinally of said

supporting structure, the side portions of each of said chains being arranged parallel to the adjacent sides of the frame and having their inner sides disposed in-



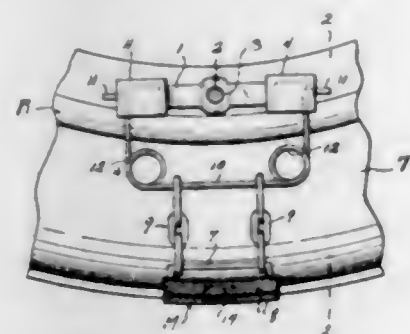
wardly of the opposite sides of said frame, means for operatively supporting said conveyor chains and other means for operatively connecting such conveyor chains to certain of said shafts.

1,521,450. AUTOMOBILE RACK. CARL EMIL LIEBERG, Chicago, Ill. Filed June 9, 1924. Serial No. 718,969. 3 Claims. (Cl. 214-1.)



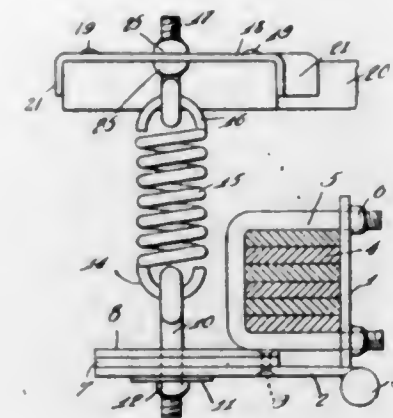
2. In combination, a pair of tracks, a pair of jacks one associated with one end of each track and including a base, an inverted U-shaped standard on the base, a threaded shaft having one end journaled on the base and the other in the intermediate portion of the standard, said shaft being threaded, a block on said shaft, trunnions extending from said block and journaled in the corresponding track, a drive shaft, gears on the threaded shaft, gears on the drive shaft meshing with the first gear, said second gears being slidable on the drive shaft and rotatable therewith, and means for driving the drive shaft.

1,521,451. ANTISKIDDING DEVICE. WILLIAM KARL LINDEMAN, Sr., Philadelphia, Pa. Filed Aug. 7, 1924. Serial No. 730,683. 2 Claims. (Cl. 152-14.)



1. An anti-skid device comprising members, means for attaching the same to the opposite sides of a wheel, each of said members being provided at its extremities with pockets, a wall of each of the pockets being provided with a recess, resilient brackets having their extremities insertible within the pockets of the members and engageable with the recesses to hold the brackets to said members, a tread member, and means for connecting the tread member to the brackets.

1,521,452. SHOCK-ABSORBER SNUBBER. JAMES OWEN LINDSEY, Comanche, Tex. Filed Apr. 7, 1922. Serial No. 550,389. 2 Claims. (Cl. 267-60.)



1. A device of the class described comprising hingedly connected members disposed at an angle to each other, means for connecting one of said members to one edge of a vehicle spring in a substantially vertical position and to dispose the other of said members below the spring transversely of the spring, a retractile resilient element, means for connecting the resilient element to said other member, and means for connecting the resilient element to a vehicle frame.

1,521,453. DECARBONIZER SPRAYER. CHARLES E. LINK, Remington, Ohio. Filed Nov. 17, 1923. Serial No. 675,432. 7 Claims. (Cl. 299-94.)

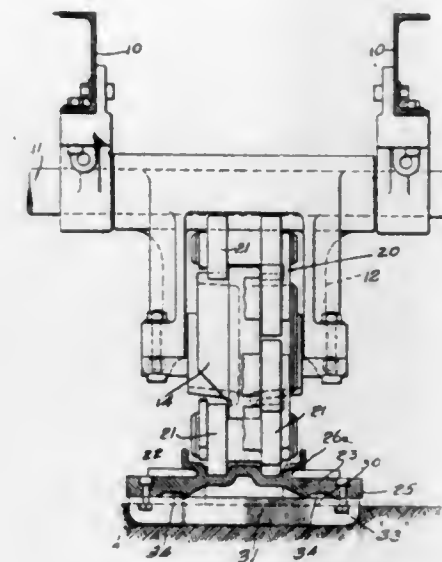


1. A decarbonizer sprayer comprising a sprayer device, a retainer tube extending into the same and having its open inner end spaced above the bottom of the device and acting to hold a certain amount of decarbonizer in the device and a small vent in said tube just above the bottom of the device.

1,521,454. CREEPER. HOLMAN HARRY LINN, Morris, N. Y. Filed July 30, 1921. Serial No. 488,664. 1 Claim. (Cl. 305-10.)

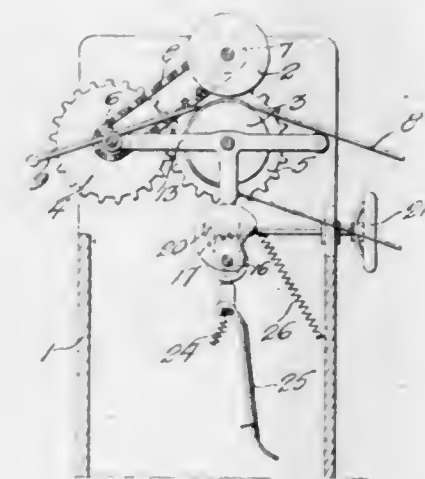
In a tractor, a track comprising a plurality of hinged creeper sections, each having a depending member provided with recesses, a cleat for each creeper section, said cleat comprising right angular members having a substantially V-shaped central portion, the members of the bar having flat outer faces and connected by ribs adjacent the ends of the bar, one member being provided

at the middle and at its ends with openings and adjacent its ends with lugs, the member of the cleat with the openings engaging the depending member of the creeper



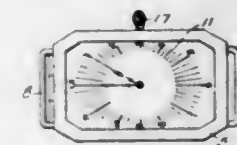
section with its lugs in the recesses thereof, and bolts passing through the openings of said cleat member into the depending creeper section member.

1,521,455. PUFF-PASTE ROLLER. PAOLO LONGANESI, Bologna, Italy. Filed Aug. 4, 1924. Serial No. 730,063. 3 Claims. (Cl. 107-12.)



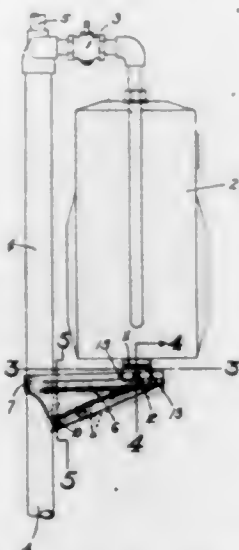
1. A puff paste roller having an emergency safety roll control, comprising, a rotatable fixed roll, a cooperating rotatable movable roll, supporting means for the movable roll, and manually operable release means cooperating with the supporting means and operable in emergency to allow the movable roll to move away from the fixed roll.

1,521,456. WATCHCASE. LEWIS LUMIN, Brooklyn, N. Y. Filed Dec. 27, 1923. Serial No. 683,055. 3 Claims. (Cl. 58-88.)



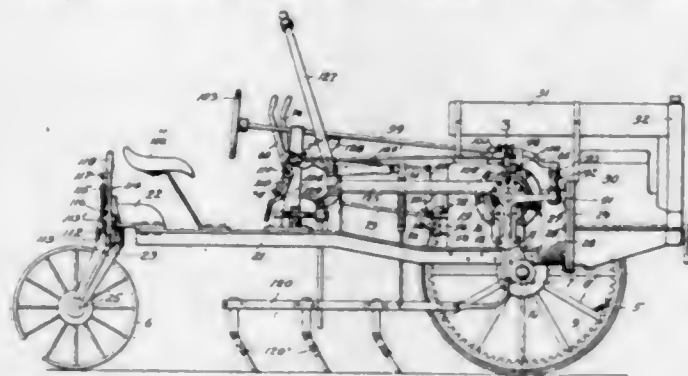
1. A watch case including cooperating shells, the side wall of one of which is bent along one edge to form a reflector and struck along its other edge to form a center extending parallel to said side wall and over which the other shell fits when in closing position.

1,521,457. METER BRACKET. JOHN T. LUCAS and CHARLES B. GAMBLE, Minneapolis, Minn. Filed Mar. 24, 1924. Serial No. 701,577. 5 Claims. (Cl. 248-30.)



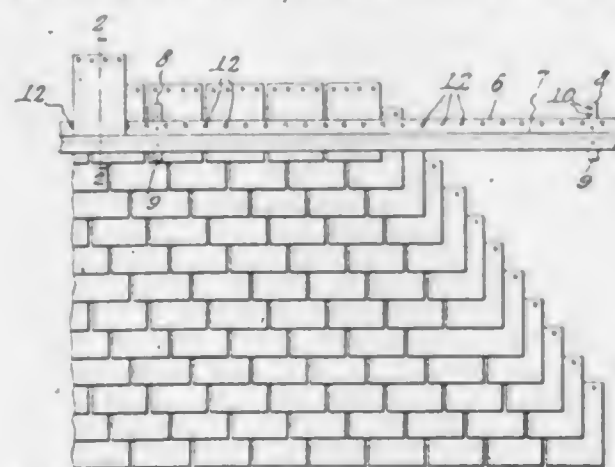
2. The combination with a service pipe and meter, of a bracket having opposing walls, means for clamping said bracket on said pipe, the drawing together of said walls during the clamping operation raising the outer end of said bracket to exert a lifting action on said meter.

1,521,458. TRACTOR. ELMER B. MCCARTNEY, Minneapolis, Minn., assignor to Toro Motor Company, Minneapolis, Minn., a Corporation of Minnesota. Filed May 12, 1919. Serial No. 296,372. 7 Claims. (Cl. 180-27.)



1. A tractor, comprising a transverse main frame, having depending end frames upon which, and below the main frame, driving wheels are mounted, driving gears on the wheels a casing, centrally between said end frames, drive shafts mounted on the main frame for transmitting power to the driving gears on the drive wheels, a power plant and a primary power shaft mounted in said casing in a plane below said drive shafts, and power transmitting means from said power shaft to said drive shafts.

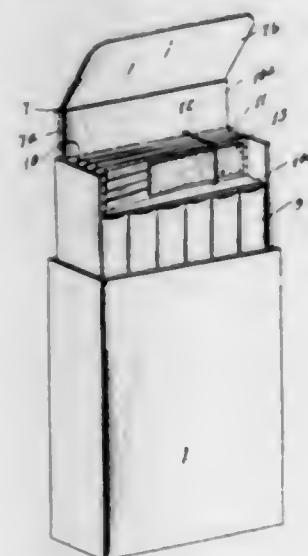
1,521,459. STRAIGHTEDGE FOR LAYING SHINGLES. GROVER C. MCCOY, Pontiac, Ill. Filed Aug. 30, 1924. Serial No. 735,154. 2 Claims. (Cl. 33-188.)



1. A gauge for laying shingles, including an elongated positioning member, formed from a length of sheet metal

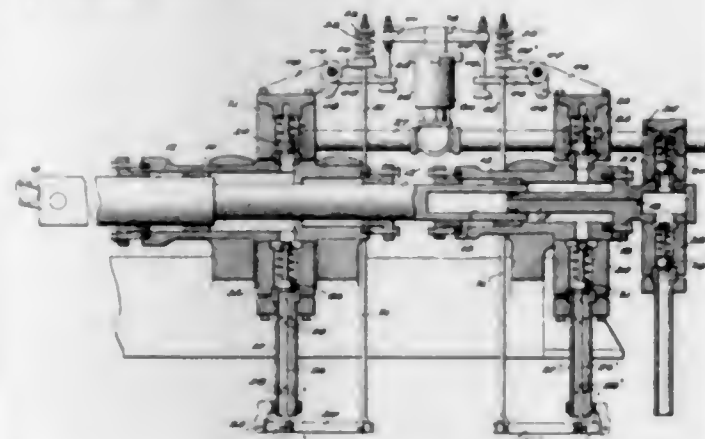
bent intermediate its side edges to provide a base portion and an upper portion, the upper portion having an offset portion defining a shoulder, and said positioning member having gauge openings arranged therein and disposed predetermined distances apart.

1,521,460. CIGARETTE CONTAINER. JULIUS C. MCCOY, Athens, W. Va. Filed Mar. 22, 1924. Serial No. 701,080. 1 Claim. (Cl. 206-48.)



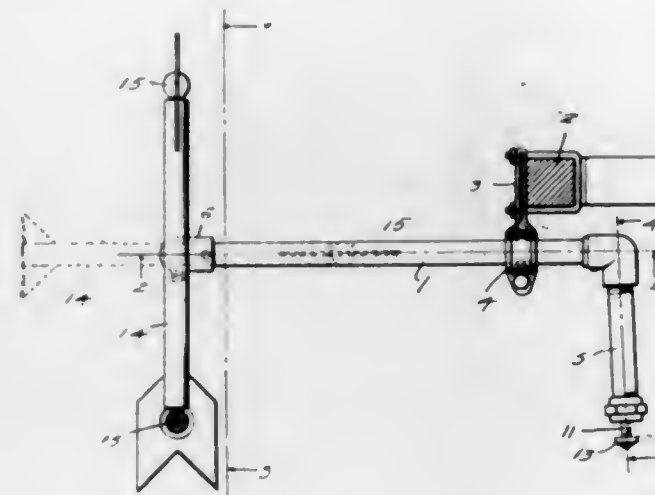
A cigarette container comprising an outer casing, a dispensing slide positioned in said casing and provided with a flap having a main portion adapted to close one end of the slide and an extension portion adapted to partially close one side of the slide, a strip of cardboard bent upon itself to provide a match housing having top and bottom walls and a side wall, said top wall being daily engaged with the inner side of the first mentioned portion of the flap and permanently secured thereto, and matches secured to and carried by the side wall of the housing, said housing being normally positioned between the first mentioned portion of the flap and the adjacent ends of the cigarettes and being so joined to the flap as to move with the latter to a cigarette exposing position.

1,521,461. VARIABLE-PRESSURE POWER PUMP. JAMES P. MADDEN, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed June 2, 1921. Serial No. 474,332. 6 Claims. (Cl. 103-11.)



1. In a pump of the character described, in combination, a pair of cylinders adapted to discharge fluid at different pressures, each cylinder having individual inlet and outlet valves, a common discharge pipe, and means to hold open the inlet valve of the low pressure cylinder when the pressure in the discharge pipe reaches a predetermined amount including a movable member subjected to the pressure in the discharge pipe, yieldable means associated with said member to resist movement thereof due to said pressure, and means operatively connecting said member and the inlet valve of the low pressure cylinder.

1,521,462. TRAFFIC SIGNAL. HOMER V. MADDON, Los Angeles, Calif. Filed Aug. 28, 1923. Serial No. 659,812. 2 Claims. (Cl. 116-47.)



1. In a vehicle signal, a tube, a shaft journaled within the tube, an indicator carried by the tube and geared to said shaft to be operated thereby, means for operating the shaft to effect adjustment of said indicator, a support including a bearing in which the said tube is mounted, means for creating a tension between said bearing and tube whereby to hold the latter in the required adjusted position, a handle projecting from the tube and serving as means for turning the same in the adjustable bearing, and means associated with the handle whereby to effect adjustment of the tube.

1,521,463. RUNNER BRICK AND PROCESS OF MANUFACTURING THE SAME. WALTHER MALZACHER, Traisen, Austria. Filed Jan. 12, 1923. Serial No. 612,362. 5 Claims. (Cl. 22-141.)



1. A runner brick consisting of a rigid metal frame filled with moulding material such frame being of a shape and the moulding material therein being provided with passages the same as chamotte runner bricks, the frame being open at the faces where the said passages lead to the outside.

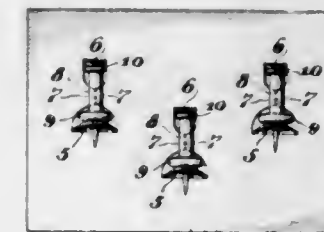
1,521,464. WRENCH. ROBERT E. MILLER, Waynesville, N. C. Filed Oct. 31, 1923. Serial No. 671,979. 2 Claims. (Cl. 81-91.)



1. A wrench of the class described comprising a shank, a stationary jaw pivotally connected with one end of the shank, a movable jaw pivotally connected with the

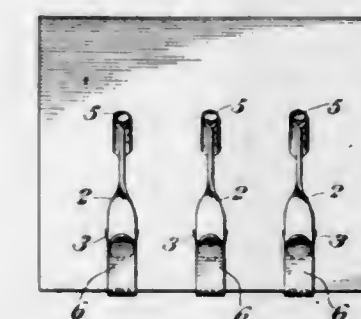
stationary jaw and a handle connected with the other end of the shank and having an extension provided with a guiding recess adapted to guide the bolt when the jaws engage a nut on said bolt.

1,521,465. PUSH-PIN CARD. WILLIAM PERCY MILLS, Philadelphia, Pa., assignor to Moore Push-Pin Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 10, 1922. Serial No. 559,800. 2 Claims. (Cl. 211-34.)



1. In a push-pin card package, the combination of a card having tongues which are adapted to project forwardly from said card and tongue-like portions situated intermediate said tongues and extending at right angles with respect thereto; and a push-pin having its pointed pin part extended through one of said tongues, and the other tongue contacting with the outer end of said push-pin, and the said tongue-like portions being situated in rear of said pin.

1,521,466. PICTURE-HOOK CARD PACKAGE. WILLIAM PERCY MILLS, Philadelphia, Pa., assignor to Moore Push-Pin Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 26, 1922. Serial No. 609,161. 3 Claims. (Cl. 206-46.)

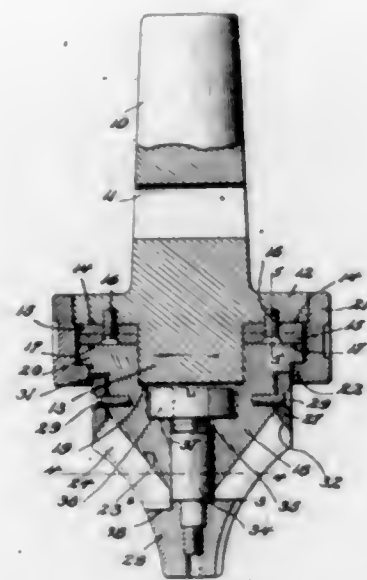


1. A picture hook card package comprising a card having an opening a short distance from one edge thereof, a hook having its shank portion extended from the rear of the card through said opening and the bill of the said hook occupying a position upon the opposite side of the said card and embracing the edge portion of the said card adjacent the said opening, and means for attaching the upper end portion of the said shank to the said card.

1,521,467. MILLING CUTTER. REES C. MORGAN, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Nov. 9, 1920. Serial No. 422,835. 34 Claims. (Cl. 20-105.)

1. In a milling tool, in combination, a shank member having a transverse flange, a head member, one of said members having a recess to receive a projecting portion

of the other member for centering purposes and said head member abutting at one end against said flange,



and key means arranged between the head and said flange for preventing relative rotary movement between the head and shank members.

1,521,468. HARNESS BIT. PATRICK NORDLUND, Dodson, Mont. Filed June 2, 1924. Serial No. 717,370. 1 Claim. (Cl. 54-9.)

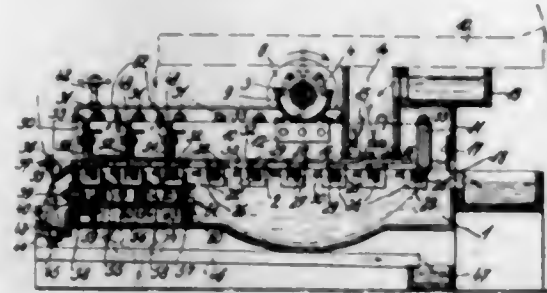


A bit for the purpose described comprising side members having apertures adjacent to their upper ends and rein receiving apertures in the rear portions of their lower ends, an upper plate member received in the apertures in the upper ends of the side members, said side members having longitudinal slots merged at their upper ends into enlargements adapted to receive and support a lower plate member, the walls of said slots being provided with intersecting apertures, and pins adapted to be received in said last mentioned apertures for securing a lower plate member adapted to be disposed in the longitudinally extending slots.

1,521,469. HORIZONTAL SIFTER FOR THE MANUFACTURE OF PAPER PULP AND CELLULOSE WITH A SCREEN SUBMERGED IN THE AQUEOUS PAPER PULP. RUDOLF PAWLIKOWSKI, Gorlitz, Germany. Filed Apr. 20, 1923. Serial No. 633,497. 17 Claims. (Cl. 92-33.)

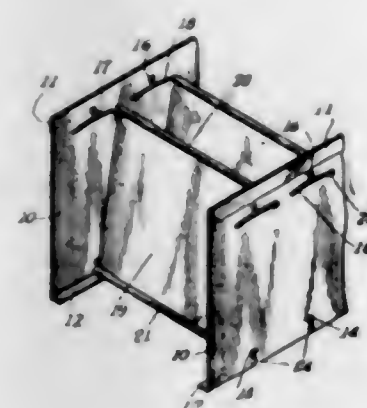
1. A horizontal sifter for the manufacture of paper-pulp and the like, containing in combination, a sifting trough, a supporting means, a sieve depending from and

supported by said supporting means and connected therewith at such points of the sieve so that the part of the sieve between the supporting means and the feeding



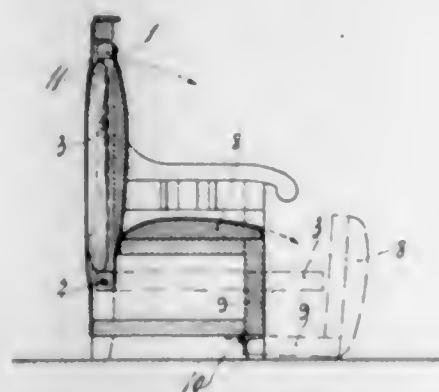
end is counterbalanced when submerged by the part of the sieve between the supporting means and the discharge end.

1,521,470. VERTICAL FILING DEVICE. EUGENE PEARL, Passaic, N. J. Filed Mar. 10, 1924. Serial No. 698,190. 10 Claims. (Cl. 129-43.)



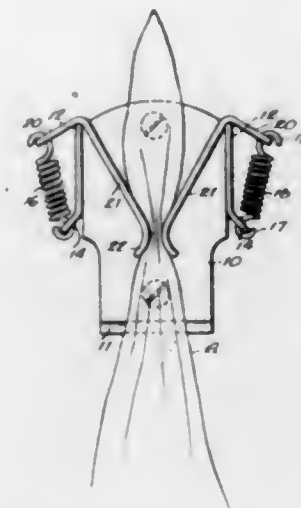
1. A file comprising a pair of side plates, leaf plates pivoted at their lower edges between said side plates, headed pins carried at the upper edges of said leaves, and means in said side plates for guiding and limiting the swinging motion that can be imparted to said leaf plates.

1,521,471. SOFA BED. ALBERT PETERSEN, Greanaker Station, Norway. Filed June 14, 1923. Serial No. 645,412. 1 Claim. (Cl. 5-43.)



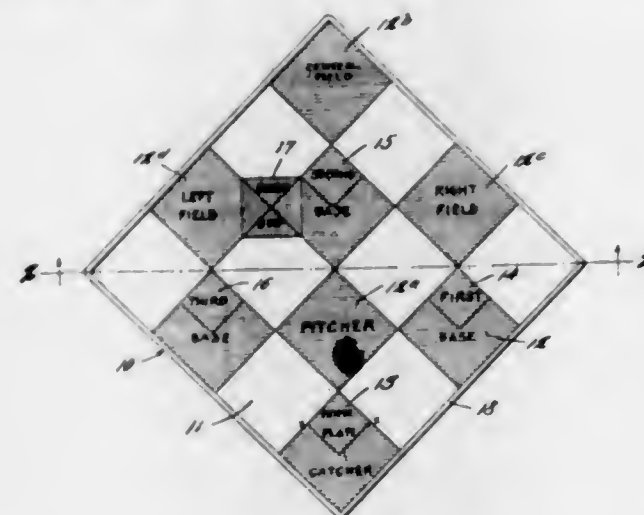
In a sofa bed a pivoted back provided with a mattress on its rear side, a front piece pivoted at its lower horizontal edge, and a seat rigidly connected to said pivoted front piece in such a manner that when the front piece is turned forwards, the seat will rest in a substantially vertical position on the floor with its rear edge uppermost.

1,521,472. TOWEL HANGER. FLORENT PHILIPPE, Sr., South Charleston, W. Va. Filed Nov. 22, 1923. Serial No. 676,381. 4 Claims. (Cl. 24-252.)



2. As a new article of manufacture, a towel hanger comprising a back plate, a wing rigid thereon, a jaw seated and resting on the top edge of said wing and free to rock thereon, and an element between which and the said jaw the towel is adapted to be clamped.

1,521,473. GAME. GEORGE T. PINE, Scott Depot, W. Va. Filed Mar. 10, 1924. Serial No. 698,227. 3 Claims. (Cl. 273-93.)

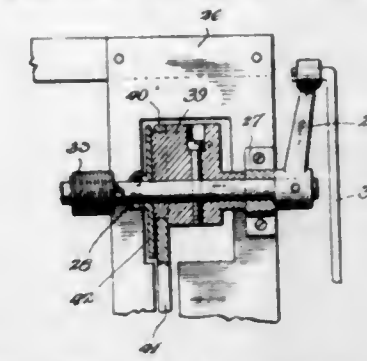


2. In a baseball game, a game board, means upon the board indicating the position of the players, means adjacent the players' positions indicating "out" zones, means separating the position indicating means for indicating a play a rotatable element, indicia upon said element for indicating strikes and balls, a cube movable over the board through contact by the rotatable element and having its faces provided with indicia to indicate the character of the play and pieces movable over the board in representation of the players.

1,521,474. TRAP. WALTER H. POTTHAST, Manning, Iowa. Filed July 27, 1922. Serial No. 577,887. 8 Claims. (Cl. 43-73.)

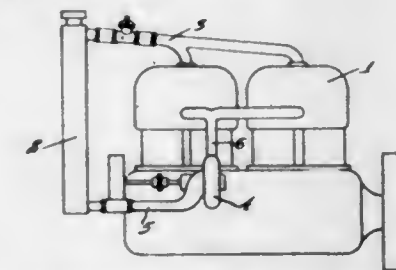
7. A trap including a cage having an open front, a gate adapted to close the open front of the cage, a power device mounted on the cage and operatively connected with the gate to move the latter to open position, means operable simultaneously with the gate to push an animal through the open front of the cage, a detent bar slidably mounted on the cage and operated positively by the power device, a trip lever mounted above the

detent bar, a bait holder suspended on the trip lever and depending therefrom to a position adjacent the gate, means associated with the trip lever for normally



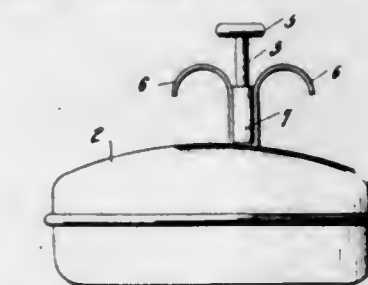
engaging the detent bar and preventing operation of the power device, said means being releasable by a pull on the bait holder, and means for yieldably holding the last-mentioned means in normal position.

1,521,475. CIRCULATING SYSTEM. FREDERICK PURDY, Chicago, Ill. Filed May 5, 1921. Serial No. 467,048. 4 Claims. (Cl. 123-178.)



1. In a circulating cooling system for internal combustion engines comprising a water jacket, a radiator, a pump adapted to draw water from the lower part of the radiator and at all times force the entire volume of water passing through the pump into the water jacket, a connection between the water jacket and the upper part of the radiator, a balanced valve in said connection, and a fluid pressure thermostat directly connected to said valve arranged on the radiator side of such valve.

1,521,476. BOX-LID REMOVER. CARL F. PYE, Winnipeg, Manitoba, Canada. Filed Sept. 13, 1923. Serial No. 662,468. 4 Claims. (Cl. 220-43.)

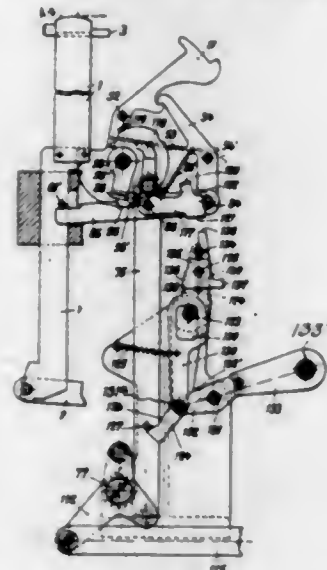


1. Means for removing a box lid, the same consisting of a plunger mounted upon the lid and passing loosely therethrough and adapted to engage the bottom of the box, and fingerpieces attached to the lid and adapted to receive the pulling force of digits of the hand to act in opposition to pressure of the thumb exerted upon the plunger.

1,521,477. CLEARING-SIGN HAMMER MECHANISM. FRANZ RAUCHWETTER, deceased, late of Berlin-Friedenau, Germany, by Alfred Flator, administrator, Berlin, Germany. Filed Dec. 14, 1922. Serial No. 606,986. 1 Claim. (Cl. 235-58.)

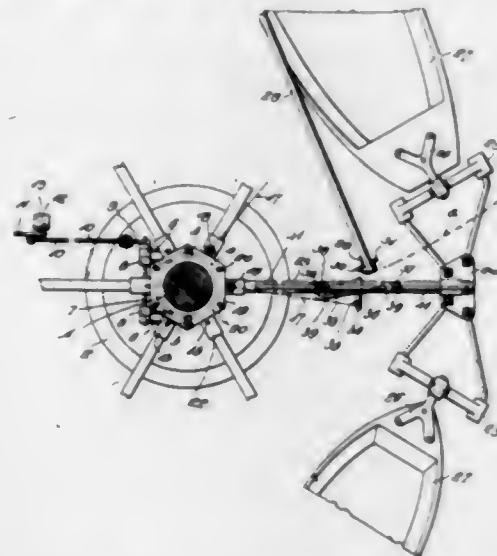
In clearing sign hammer mechanism for calculating machines the combination of a hammer, a hammer actuating device for the clearing sign, releasing mechanism for said hammer comprising a lever mounted for sliding

and pivotal movement and provided with a notch, a lever revoluble with an element of the hammer actuating mechanism and engageable in said notch, a catch lever mounted for pivotal movement engageable with the hammer and connected to said first named lever, springs to actuate said hammer, catch lever and first named lever, a coupling lever pivotally mounted on the first named lever and arranged for limited pivotal movement, and having a projection, said hammer having an extension arranged in the path of said projection, an oscillatory mechanism



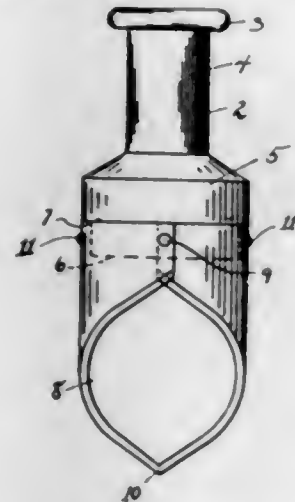
arranged for operation with the calculating machine crank and with the counter mechanism thereof and including a lever oscillatable about a fixed axis, a guide link arranged for limited movement with respect to said fixed axis, and an element pivotally mounted on said guide link arranged for limited pivotal movement with respect thereto and connected to said lever for movement by the latter into and out of engagement with said coupling lever.

1,521,478. SAIL CONTROL. REUBEN G. REEVES, Bridge-ton, N. J. Filed May 7, 1924. Serial No. 711,717. 5 Claims. (Cl. 272-28.)



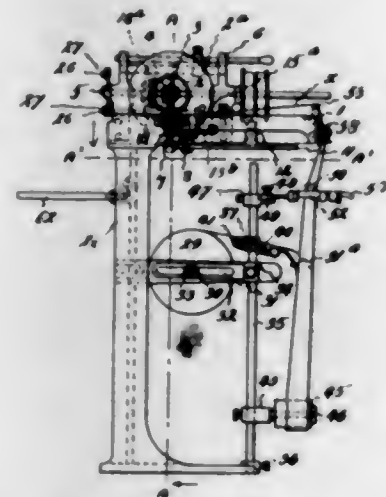
1. In a device for synchronously locking the boom of sail boats such as are used in connection with roundabouts, the combination of a mast, a slidable grooved ring surrounding the mast, a roller that travels in the groove of the ring, means for moving the ring upwardly and downwardly on the mast and connected to the roller, rods secured to the upper end of the collar, cables secured to the rods, a standard arranged adjacent the mast and secured at one end to the cables, an angular bar arranged adjacent to the standard, a swinging bar fulcrumed on the angular bar and adapted to bear against a keeper arranged on one end of the boom and further being secured in such a manner on the standard that movement of the swinging bar on the angular bar is accomplished by movement of the cables.

1,521,479. ICE-SHAVING SCOOP AND CAN OPENER. CHARLES B. SHERLOCK, Baltimore, Md., assignor to C. B. Sherlock Patent Investment Company, Philadelphia, Pa. Filed July 30, 1921. Serial No. 488,637. 2 Claims. (Cl. 83-62.)



1. In a device of the character stated, a substantially triangular blade fashioned to tubular form with the ends on one side overlapping and a rivet passing through the overlapping ends to fasten them together the other end forming a penetrating point, in combination with a stock having an extension for insertion in the blade, and means to secure said blade to said extension.

1,521,480. MACHINE FOR FOLDING PAPER. ASBJORN SONSTIAGEN, Essex, England. Filed Jan. 13, 1923. Serial No. 612,390. 3 Claims. (Cl. 270-93.)

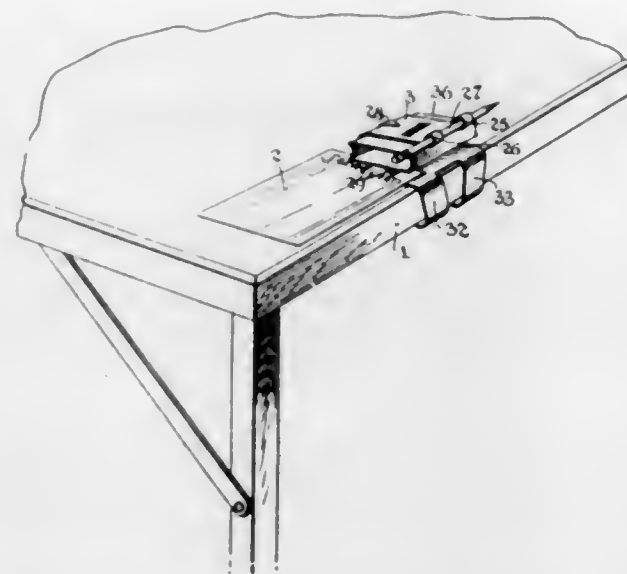


1. A machine for folding and cutting paper comprising a bed, a shaft arranged longitudinally of said bed, a knife mounted upon one end of said shaft and rotating in a plane at a right angle to the line of said bed, a blade fixed upon the end of the bed and cooperating with said knife, pulleys for driving said shaft, a friction disc slidably mounted upon said shaft, means for moving said disc longitudinally of said shaft, a second shaft disposed at a right angle to said first shaft, a friction disc upon said second shaft engaging the edge of the first friction disc, a roller upon said second shaft, a second roller cooperating with said first roller to feed the paper through the machine, means for folding the paper longitudinally said folding means being adjustable transversely of the width of the paper to vary the width of the first fold and other folding means for effecting the subsequent folds.

1,521,481. HOLDER. LILLIAN JONES SPENCER, Eutaw, Ala. Filed Mar. 29, 1924. Serial No. 702,887. 4 Claims. (Cl. 45-75.)

1. A holder for the purpose set forth comprising a body portion, means extended therefrom for detachably connecting said body portion in position, means integral

with said body portion and arranged over the upper face thereof for detachably connecting a score card with said body portion, means connected with the body portion and arranged in superposed relation therewith for



detachably connecting an article therewith, and said last mentioned means having as an integral part thereof a marking implement retainer and a table indicator clamp.

1,521,482. TOOL JOINT. HAMPTON A. STEELE, Law-ton, Okla. Filed Feb. 5, 1924. Serial No. 690,805. 3 Claims. (Cl. 285-22.)

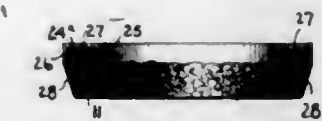


1. A tool joint, comprising two members with mating threaded portions, the outer end of each member having two concentric flanges internally threaded for receiving the ends of two concentric pipe sections, said joint when assembled having a central bore, and an annular series of passageways forming communication, respectively between the inner pipe sections and between the spaces separating the inner and outer pipe sections.

1,521,483. PREPARED GASKET AND PROCESS OF MAKING SAME. FRED STEVENS, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a Corporation of Georgia. Filed Aug. 19, 1922. Serial No. 583,053. 8 Claims. (Cl. 288-1.)

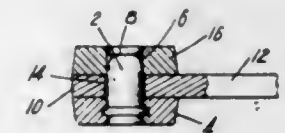
4. The process of forming prepared gaskets which consists in stuffing fibrous packing material into the annular channel of a mold provided with a removable mandrel, then placing a forming ring over the mandrel and onto the fibrous material in the mold and forcing the same

downwardly, below the surface of the mold to compact the material and to form an inner annular groove or channel next to the mandrel, an outer annular groove or channel next to the wall of the mold, and a circular series of depressions between the same, then removing the forming ring from the mandrel and replacing the same with a casting ring having a gate, then pouring



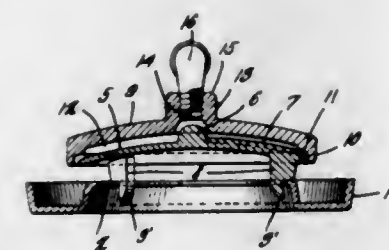
molten metal through the gate to fill the space between the top of the fibrous ring and the mold and to fill the channels and depressions to form a malleable metal facing ring on the gasket and to hold the same thereto to retain the shape of the gasket, then removing the mandrel and then the gasket together with the facing and retaining ring from the mold, and then trimming off all fins and projections.

1,521,484. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed May 8, 1920. Serial No. 379,788. 9 Claims. (Cl. 88-63.)



1. A temple end piece having a permanently secured dowel provided with a projecting shoulder adapted to be engaged by the ear of a removable temple to maintain the temple in position upon the dowel.

1,521,485. HYDROCARBON BURNER. REUBEN M. STONE, Oklahoma City, Okla. Filed June 18, 1924. Serial No. 720,852. 2 Claims. (Cl. 158-80.)



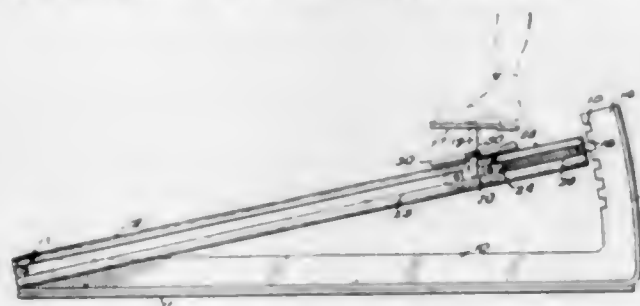
1. A hydrocarbon burner comprising an annular member or pan of trough-type having a flange reaching inwardly from the upper edge of the inner wall of its trough and also having on the upper edge of the outer wall of its trough an outwardly extending apertured arm, an intermediate member having a body of concavo-convex cross-section and also having at the underside of said body shouldered legs resting on said flange of the annular member and further having at its upper side a central upstanding teat and ribs extending from said teat to its edge, a crown member of general concavo-convex form having a pendent and interiorly shoulder flange to bear on said ribs and also having a central chamber the wall of which is spaced from said teat and a threaded socket extending upwardly from said chamber, a generator formed of pipe sections and elbows and a union and having one of the elbows threaded into said socket and the union superimposed on the arm of the annular member, and a pipe line connected with said union by a connection disposed in and extending through the aperture in the arm of the annular member.

1,521,486. STENCIL. FRITZ L. SWENSON, Northfield, Vt. Filed Feb. 10, 1923. Serial No. 648,296. 7 Claims. (Cl. 33-174.)



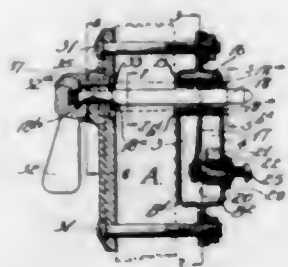
1. A stencil character comprising an independently shiftable solid body portion of a contour corresponding to the character, and having extended from one end thereof a spacing projection provided with a free outer terminus constituting a positioning medium for the body portion.

1,521,487. AMUSEMENT DEVICE. GEORGE EDWARD TURNER, Hot Springs, S. Dak. Filed June 9, 1923. Serial No. 644,448. 5 Claims. (Cl. 272-57.)



1. An amusement device of the class described comprising an inclined track, means to vary the inclination of the track, and a foot rest held to said track to travel thereon; together with a brake carried by said foot rest and adjustable relatively to the track to vary the braking action on the latter.

1,521,488. TWO-WAY SWITCH. WALTER VAN GUILDER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Sept. 29, 1922. Serial No. 591,205. 6 Claims. (Cl. 200-11.)

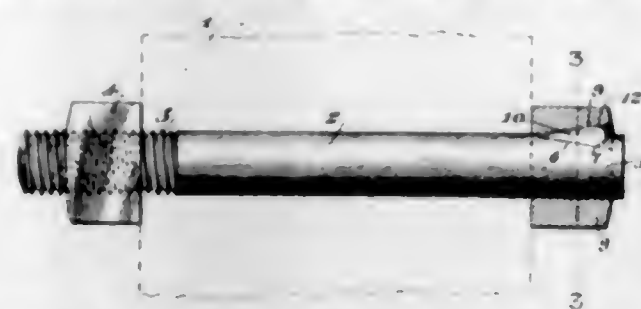


1. In an electric switch device in combination with a mount, a spring switch lever fulcrumed therein; a contact button carried by the spring arm of said lever insulated therefrom; three insulated contacts positioned on the mount in the arcuate path of the switch-carried contact button each adapted for circuit wiring connections, said three contacts being shaped at their respective approximate sides for snap engagement of the switch lever button between the middle and either extreme contact of the three, the middle of said contacts and the switch button being relatively shaped for interlocking snap engagement with each other, at a position of the switch button out of contact with either of the extreme contacts, and manual means for turning the switch lever to shift its contact button from position to position.

1,521,489. BOLT. WALTER D. VAUGHAN, Rutland, Vt. Filed Jan. 28, 1924. Serial No. 689,091. 3 Claims. (Cl. 85-5.)

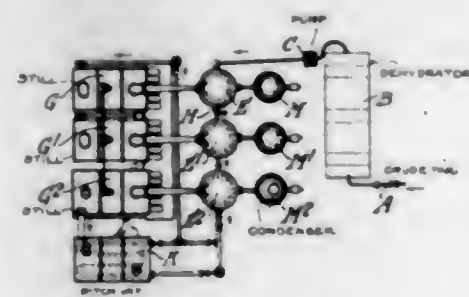
3. A bolt of the character described comprising a shank peripherally threaded at one end to receive thereon a nut, and having formed in its side at the other end

thereof a tapering notch terminating near the outer end in a transversely extending wall, a head having a bore therethrough to receive said notched end and further



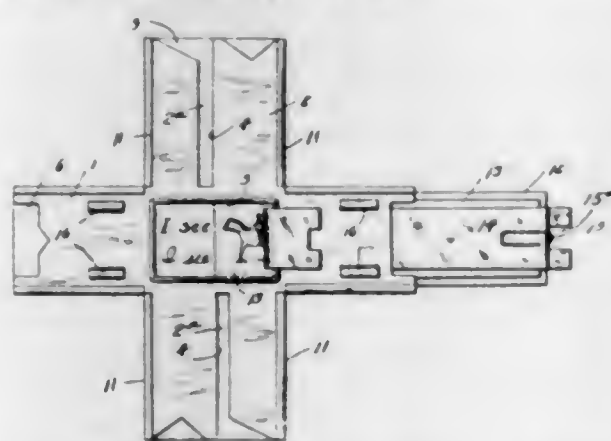
having a tapering recess in the wall of said bore increasing in depth from the inner to the outer end thereof, and means common to said notch and recess for preventing the removal of said head from said shank.

1,521,490. DISTILLATION OF TAR AND THE LIKE. SIGURD WALTER ALBERT WIKNER, Newcastle-upon-Tyne, England, assignor of one-eighth to Newcastle-upon-Tyne & Gateshead Gas Company, Newcastle-upon-Tyne, England. Filed May 12, 1922. Serial No. 560,371. 1 Claim. (Cl. 196-5.)



A process for the distillation of tar which comprises delivering tarry liquid into a closed vessel at such a rate that it stands at a constant level therein slightly above an outlet, vaporizing the water contained in the liquid by heating it in a zone between the level of the liquid and the outlet, heating the bulk of the liquid by means of the watery vapors driven off therefrom, distilling the tar passing from said outlet, and leading back the vapors resulting from said distillation and causing them to heat the tar prior to said distillation.

1,521,491. EDUCATIONAL DEVICE. FRED W. WALKER, Harrison, Ark. Filed Jan. 30, 1923. Serial No. 615,868. 6 Claims. (Cl. 35-9.)

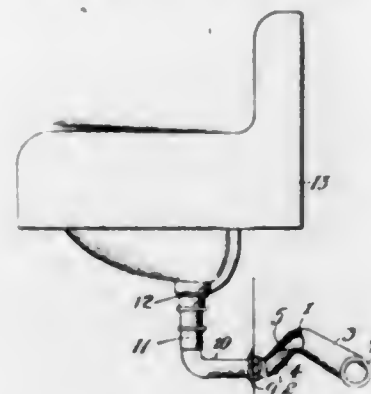


1. An educational device comprising a divider, pluralities of strips disposed upon opposite sides of the divider and attached at opposite ends thereto and adapted to open in opposite directions.

1,521,492. PLUMBING INSTALLATION. FREDERICK ANTON WARREN, Atlanta, Ga. Filed Feb. 23, 1921. Serial No. 447,254. 1 Claim. (Cl. 182-7.)

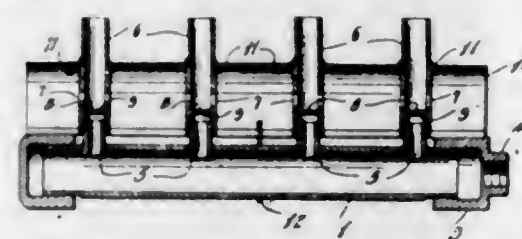
In a plumbing installation, a trap member consisting of a one-piece malleable casting pipe flanged at one end for

attachment to a soil pipe threaded at its opposite end for attachment to a fixture connection the bore of said pipe gradually increasing in diameter from its threaded end to its flanged end and said pipe being bent intermediate its ends to provide a vertically disposed trap



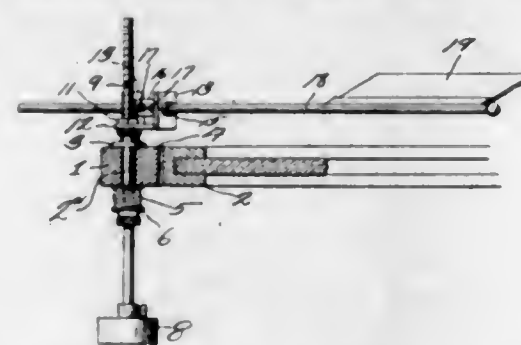
portion from which the opposite ends of the pipe extend horizontally in relatively right angular relation and in vertically spaced horizontal planes so that the outer or flanged portion of the pipe is above the inner or threaded end of the pipe for effecting a trap and for positioning the crown of the trap nearer to the soil pipe.

1,521,493. GAS BURNER. JOHN WHITEHART, Zanesville, Ohio. Filed Dec. 18, 1923. Serial No. 681,390. 2 Claims. (Cl. 158-104.)



1. A burner for gaseous fuel comprising a header, burner tubes at intervals in the length of the header, each burner tube having an air inlet opening on each side and a plate provided with a minute fuel outlet and located in the tube below the air inlet openings, a connection below each plate between the burner tubes and header, and a shield supported by the burner tubes and disposed between the outlets thereof and the air inlet openings.

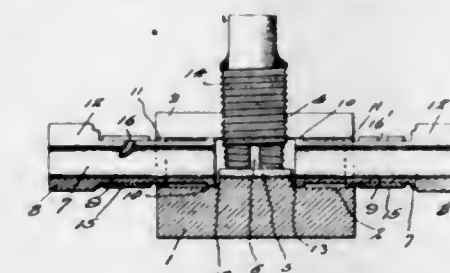
1,521,494. GLARE PROTECTOR. SAMUEL BALLARD WILLIAMS, Meridian, Miss. Filed Dec. 14, 1922. Serial No. 606,818. 1 Claim. (Cl. 296-97.)



The combination with a windshield, of a glare protector carried thereby, said protector comprising a horizontally disposed shaft extending through the frame of the windshield, a handle member carried by the rear end of the shaft, a spring tensioning means carried by the shaft for frictionally holding the shaft against rotation, a bracket carried by the forward end of the shaft, said bracket being provided with spaced ears disposed to one side of the shaft, a sleeve extending through the ears and frictionally held therein, a glare protector shaft extending through the sleeve, a sleeve to one side of said

first mentioned shaft surrounding the first mentioned sleeve and interposed between the ears and forming means for forcing the first mentioned sleeve into frictional and binding engagement with the glare protector shaft and preventing axial movement of the sleeve extending through the ears and the shaft and set screws carried by the sleeve interposed between the ears of the bracket.

1,521,495. FENCE-WIRE TWISTER. RUSSELL S. WOLFE, Orangeburg, S. C. Filed Aug. 27, 1923. Serial No. 659,663. 4 Claims. (Cl. 140-115.)



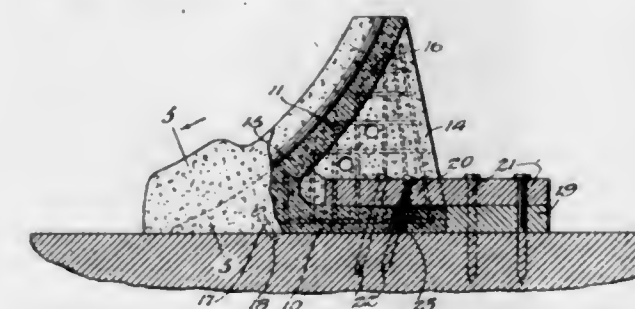
1. A wire splicer for splicing woven wire fence sections comprising a grooved support, means for holding the wires therein, a pair of rotary members in the support having grooves therein for receiving the horizontal wires, means for connecting the ends of the wires to the members so that said ends will be twisted around the wires when the members are rotated and the support having slots therein for receiving the vertical wires.

1,521,496. POWDER DUSTER. JAMES LEWIS WOLLESON, Chicago, Ill. Filed Mar. 10, 1922. Serial No. 542,722. 1 Claim. (Cl. 43-146.)



In a device of the character described, a container, a length of wire bent to provide an upper section and a lower section to be fitted in the container, each of said sections including side members, said length of wire having portions extending at right angles to the side members, a coiled portion at the ends of the right angled portions and disposed between the sections and hook members formed at the ends of the said length of wire and adapted to hook over portions of the right angled portions of the wire to hold the sections in position.

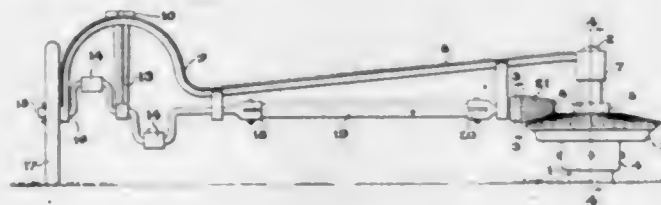
1,521,497. CHOCK BLOCK. MILLARD SOUTHWORTH YOUNG, Flint, Mich. Filed July 7, 1922. Serial No. 573,209. 3 Claims. (Cl. 188-32.)



1. In combination with an automobile chock block having a curved face conforming approximately to the configuration of a segmental portion of an automobile tire, a base and side walls, forming a recess partially enclosed thereby, said base having apertures formed

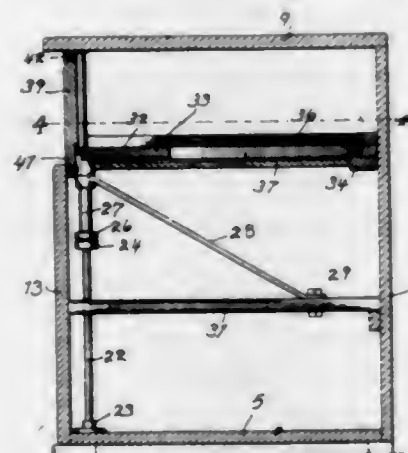
therein for the reception of fastening elements, and means for clamping said block to the vehicle support for resisting the transverse and lateral thrusts imparted thereto.

1,521,498. MERRY-GO ROUND. CLAUDE K. ARMSTRONG, Princeton, W. Va. Filed June 3, 1922. Serial No. 505,678. 2 Claims. (Cl. 272-33.)



1. A device of the class described comprising a post, a stationary gear wheel supported by the same, a pin passing through the gear wheel, collars rotatably mounted on the pin, a shaft having one end engaging a collar, a pulley carried by the shaft and engaging the gear wheel, a beam having one end connected with the other collar, a seat supporting frame connected with the outer end of the beam, a shaft carried by said seat supporting frame cranks on the shaft, pedals on the cranks of said shaft and a shift connecting the crank shaft with the pulley carrying shaft.

1,521,499. COMBINED BUFFET AND TABLE. JOHN R. BARRETT, Pacific Grove, Calif. Filed Jan. 6, 1923. Serial No. 611,122. 1 Claim. (Cl. 45-31.)

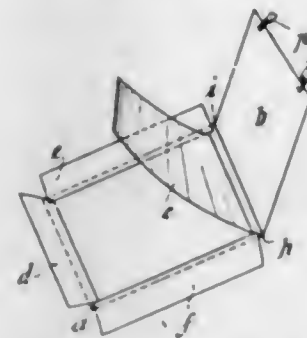


In a device of the character described, a buffet comprising a bottom portion, a top portion, back and end walls connecting said top and bottom portions, spaced partitions positioned at a point between said end walls, a plurality of drawers mounted between said spaced partitions and said end walls, a brace mounted between said partitions, a shaft rotatable in said brace, a semi-circular shaft secured to said shaft and adapted to be rotated therewith, and means for concealing said shelf when said shelf is moved to a position within said buffet, said means comprising a track positioned at a point below the plane of said semi-circular shell, a panel slidable on said track and a pivoted member positioned adjacent the end of said track so that said panel may be entirely removed when said semi-circular shelf is moved to an extended position.

1,521,500. FILM CASE. OSKAR BECKER, Berlin-Treptow, and GERHARD OLLENDORFF, Berlin-Wilmersdorf, Germany, assignors to Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Filed Feb. 7, 1924. Serial No. 691,323. 5 Claims. (Cl. 250-34.)

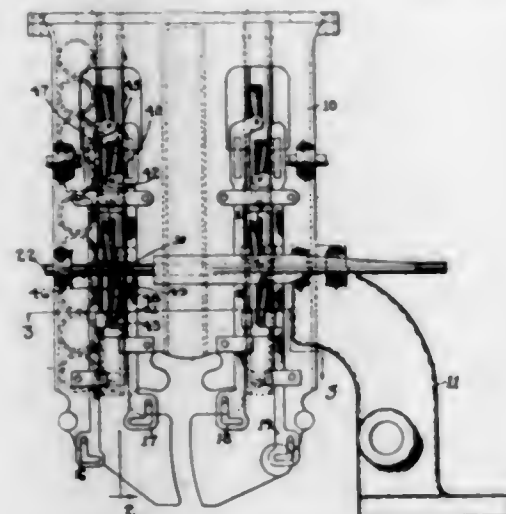
1. A film case, comprising a plate, flaps adhesively attached to the plate and folding inwardly along lines a

short distance from the edges thereof, one flap extending along at each corner beyond the folding edge of the ad-



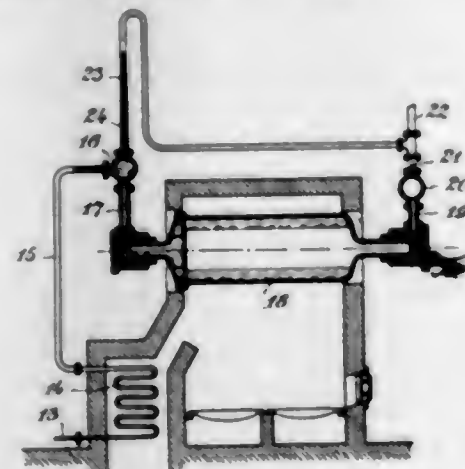
joining flap substantially to the edge of the plate, a second plate and means for securing the same to the first plate in superposed relation.

1,521,501. DEVICE TO PREVENT ROTATION OF BOBBINS. HAROLD L. BLANCHARD, Northbridge, and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 26, 1924. Serial No. 702,169. 2 Claims. (Cl. 139-245.)



1. In a weft replenishing mechanism for looms, a fixed wall, a movable wall under control of the replenishing mechanism and forming with the fixed wall a compartment for bobbins, and resilient detents carried by the movable wall to enter notches formed in the bobbins to restrain rotation thereof.

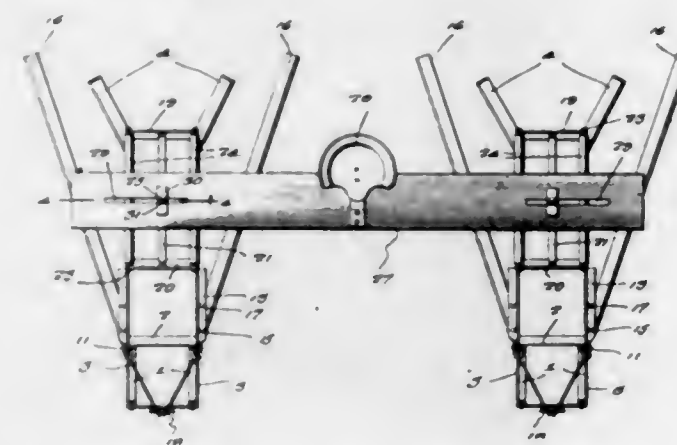
1,521,502. FEED-WATER HEATER FOR STEAM GENERATORS WITH A ROTARY WATER LAYER. JOHAN VIKTOR BLUMQUIST and KARL FREDRIK WESSLAD, Stockholm, Sweden. Filed Feb. 26, 1923. Serial No. 621,392. 2 Claims. (Cl. 122-11.)



2. In combination, a steam generator comprising a tubular element, means for causing water in the element to form a hollow rotary layer of water therein and a central steam space, a feed water inlet and a steam

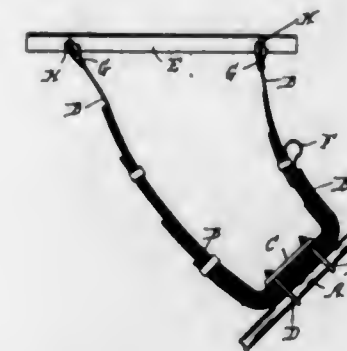
outlet in opposite ends of the tubular element, a main feed water conduit and a main steam conduit connected to the feed water inlet and the steam outlet respectively, a steam separator connecting the feed water heater with the main feed water conduit, a steam pipe connecting the top of said steam separator with the main steam conduit, and a throttle valve positioned in the main steam conduit, intermediate the steam outlet and the steam pipe connecting the main steam conduit with the steam separator and adjusted to obtain a lower pressure in the said steam pipe and the steam separator than in the steam space of the tubular element, whereby to always insure that the main feed water conduit always be full of water.

1,521,503. WEEDER. PETER BRUNERKÖL, Densmore, Kans. Filed Aug. 6, 1923. Serial No. 656,008. 1 Claim. (Cl. 97-143.)



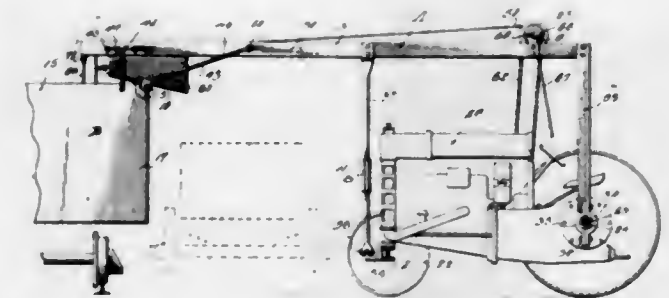
A weed cutter comprising spaced substantially U-shaped frames each mounted on runners which have their forward ends rounded upwardly and to each of which frames a draft animal is hitched, rearwardly disposed angularly arranged knives on the bottom and at the rear of each runner, angle plates having their ends adjustably secured to the sides of the frame, a rearwardly extending knife pivoted to each angle plate, means permitting the lateral adjustment of the knives on said plates, rollers journaled on the top of each frame, a slotted seat carrying beam resting on the rollers, antifrictional means supported from the frame received in the slots of the beam, and means carried thereby contacting the upper face of the beam for holding the latter on the rollers.

1,521,504. CARRIER ATTACHMENT TO CYCLE FRAMES. ERNEST EDWARD CARRINGTON, Napier, New Zealand. Filed Apr. 16, 1923. Serial No. 632,492. 6 Claims. (Cl. 208-45.)



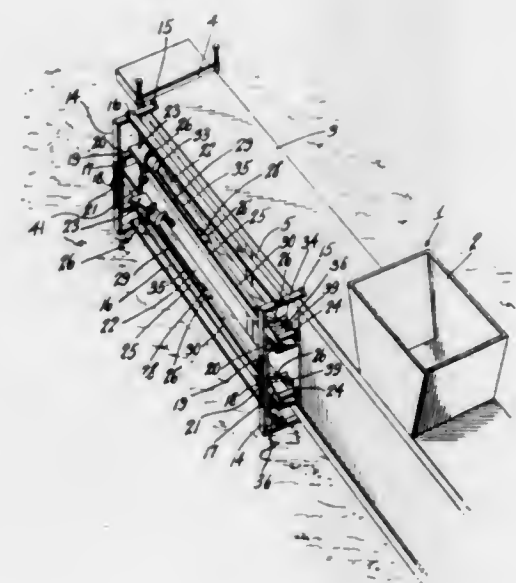
1. A carrier attachment for cycle frames comprising a pair of U-shaped spring members adapted to be mounted on the cycle frame; a clamp on each end of the spring members; a pair of cooperating ears pivotally mounted in each of said clamps; a rod in each pair of opposite cooperating ears; a frame mounted on said rods; and securing means for securing each of said cooperating ears to said rod and to its pivotal mounting.

1,521,505. UNLOADING DEVICE. NATHAN A. CARTER, Earl, Ark. Filed Aug. 25, 1923. Serial No. 659,420. 6 Claims. (Cl. 214-44.)



1. In combination with a railroad car including longitudinal side walls and end walls, of a device for facilitating the unloading of the car including a mobile base, an overhead frame carried by the base arranged to project forwardly therefrom, connecting arms pivotally carried by the frame for engaging the side and end walls of the car, a driven shaft, means for operating the driven shaft from the mobile carrier, hoisting buckets, disposed in said car, hoisting cables for the buckets, and means operatively connecting the hoisting cables with the driven shaft for facilitating the raising of said buckets.

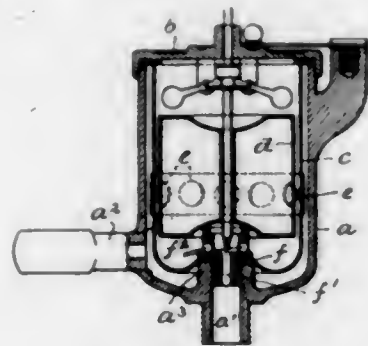
1,521,506. ATTACHMENT FOR PRESSES. HOMER C. CHALK, San Antonio, Tex. Filed Oct. 28, 1921. Serial No. 511,943. 7 Claims. (Cl. 100-20.)



1. A baling press having grooved wire receiving division blocks movable between the feeding and baling chamber thereof, and the last mentioned chamber having open sides and having means for halting the movement of the outer division block, when the inner division block is moved toward the outer division block for producing a bale between the division blocks, of slotted telescopically associated tubes supported at one side of the baling chamber and having curved ends directed toward said chamber, spring means between the tubes for sustaining the same in expanded position, means carried by the division blocks for engaging the tubes to telescope the same during the movement of the division blocks and for drawing the curved ends of the tubes into alignment with the wire receiving slots of the said division blocks when the division blocks are in bale pressing position, whereby to permit of wire being inserted through the grooves of one of the division blocks to cause the same to pass through the tubes and to be directed through the slots of the second

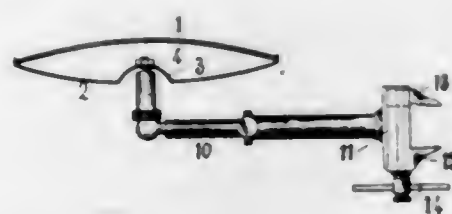
division block to permit of the ends of the wire being twisted together, and said means, in a further movement of the division blocks, releasing the tubes and permitting the springs to return the same to initial position.

1,521,507. FLOAT CHAMBER OF CARBURETORS. ARTHUR COX, Olton, near Birmingham, England. Filed Jan. 13, 1922. Serial No. 529,041. 5 Claims. (Cl. 210-165.)



1. A fuel filtering device for carburetors, comprising a float chamber having inlet and outlet openings, a combined filtering cup and water collecting sump located in the float chamber between the inlet and outlet openings, and a combined clamping and fuel inlet plug for retaining said filtering cup within the float chamber.

1,521,508. REFLECTOR FOR USE ON MOTOR VEHICLES AND THE LIKE AND FOR ANALOGOUS PURPOSES. RENÉ DENOUX, Paris, France. Filed Aug. 20, 1921. Serial No. 493,925. 1 Claim. (Cl. 45-97.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



In a reflector and support therefor the combination of the following elements: a supporting bracket; a sleeve mounted thereon and provided with a threaded plug at its inner end and a seat at its outer end; a universal joint member mounted in the said seat; resilient adjusting means positioned between the said plug and the said universal joint member; a mirror secured at its center of gravity to the said universal joint member; and adjustable convergent gripping jaws on the said supporting bracket.

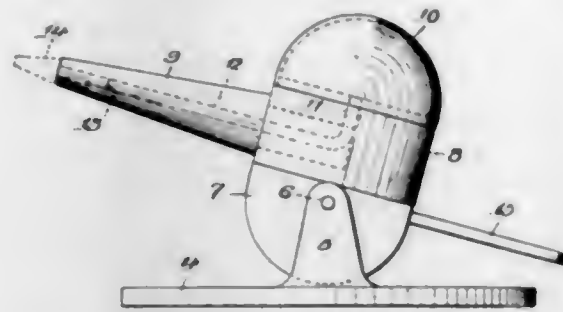
1,521,509. COMPOSITION FOR USE IN THE REPRODUCTION OF LINE DOCUMENTS. JEAN DOREL, Nice, France. Filed Sept. 24, 1924. Serial No. 739,682. 3 Claims. (Cl. 106-39.)

1. A composition for use in the reproduction of line documents comprising gelatin, water, glycerin, light oxide of zinc, and a sulphate of the nickel-cobalt-copper-zinc-manganese sulphate type, which is unaffected by the oxygen of the air.

1,521,510. TOY CANNON. EDGAR S. DOUGHTY, Red Wing, Minn. Filed Aug. 29, 1924. Serial No. 734,964. 3 Claims. (Cl. 42-55.)

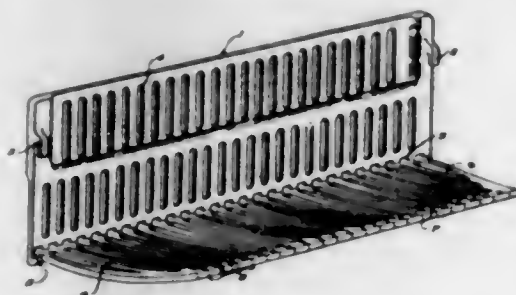
1. A toy cannon comprising a cylindrical body member, a barrel projecting from the periphery of said member, a pivotal support for said member, and a hemispher-

ical bulb of resilient material capping said body member, said body and barrel being formed with passages



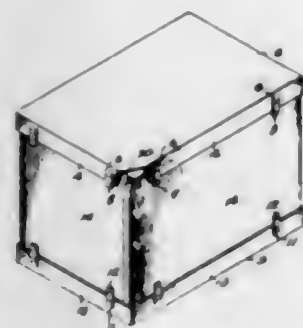
for air communicating with said bulb, and said bulb being adapted to be compressed to expel air through said passages.

1,521,511. FIRE GRATE. JAMES H. DWIGHT, Atlanta, Ga. Filed Apr. 18, 1922. Serial No. 551,384. 3 Claims. (Cl. 120-164.)



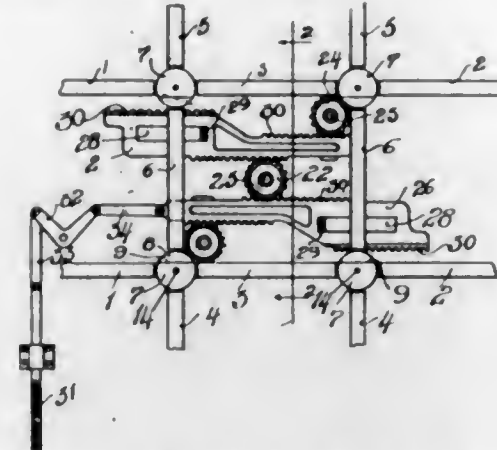
1. The grate herein shown and described, consisting of the front having ears to engage the frame of the fire place and hooks at its lower edge, and a grate composed of a series of sections having retainers at its front end to engage the hooks on the front and having interlocking portions at their inner ends to connect the grate and form a unitary structure.

1,521,512. SHIPPING CASE. DANIEL FORBES EBBERT, Wheeling, W. Va. Filed May 31, 1923. Serial No. 642,563. 1 Claim. (Cl. 220-4.)



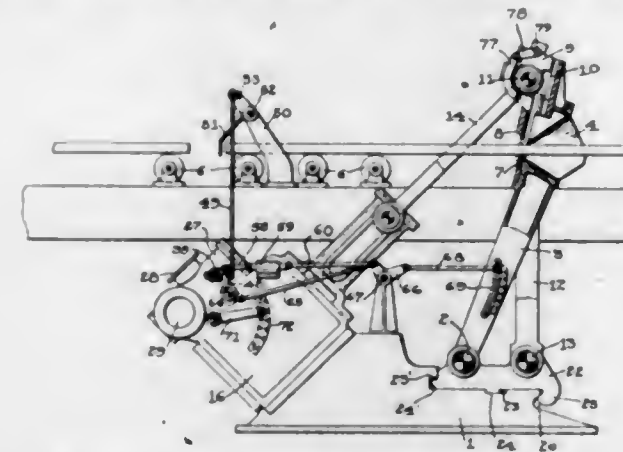
As a new article of manufacture, a shipping case comprising a body formed of side and end panels, said panels formed at their ends with returned seam members parallel with such panels, the seam members of one side panel adapted to slidably interlock with the corresponding seam members on an adjacent end panel, whereby the panels may be assembled or disassembled by sliding movement relatively to each other in the planes of the panels, and locking tongues on one of said panels at the top and bottom of the seam members, each of said tongues adapted to be bent over and cover the engaged seam members and serving to hold the same against relative sliding movement, and protect the seams, the unbending of said tongues permitting sliding disengagement of said panels.

1,521,513. CONTINUOUS-RAIL CROSSING. CARL R. EDLUND, Spokane, Wash. Filed Apr. 8, 1924. Serial No. 704,930. 3 Claims. (Cl. 246-378.)



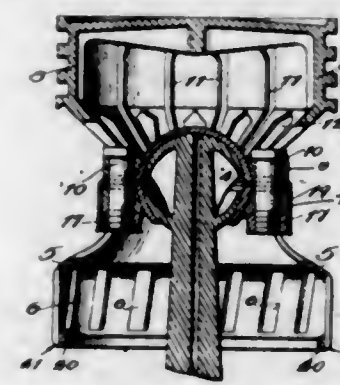
1. In a continuous railway crossing the combination with four diagonally disposed rotary heads each having a rack wheel, a central rack wheel and a pair of intermediate wheels, of a pair of oppositely movable plates each having three sets of rack teeth for co-action with said rack wheels, and means for operating one of said plates.

1,521,514. ART OF SHEARING METAL BARS WHILE IN MOTION. VICTOR E. EDWARDS, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 1, 1921. Serial No. 481,838. 33 Claims. (Cl. 164-49.)



1. The herein described method of operating a flying shear, which consists in confining the downward movement of the upper knife of the shear to a zone above the normal plane of support of the moving material, whereby to prevent bending of the rear end of the severed piece.

1,521,515. PISTON AND CONNECTING-ROD CONSTRUCTION. JAMES EDISON ERSKINE, Jacksonville, Fla. Filed Feb. 16, 1921. Serial No. 445,425. 14 Claims. (Cl. 74-108.)



1. A piston and connecting rod, having a universal joint between the two, the piston having surface slots; instrumentalities for forcing a lubricant to the joint to all parts of which it is applied, and means for radially

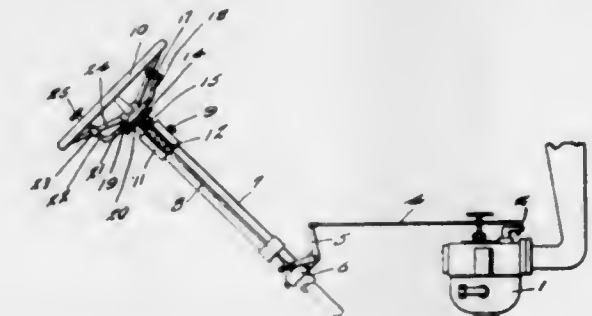
distributing some of the lubricant to the surface of the piston for coaction with the slots to produce circular stop motions of the piston on the joint during reciprocation.

1,521,516. PRINTER'S LOCK-UP SQUARE. ALBERT C. EVANS, Butte, Mont. Filed Dec. 12, 1923. Serial No. 680,214. 1 Claim. (Cl. 33-113.)



A device of the character described comprising a body consisting of two elongated flat members joined together at one end and extending at right angles to each other, each of said members having a printer's scale produced thereon and extending along the inner edge thereof, the printer's scale on each member terminating at one end in the plane of the inner edge of the other member and the scale on one of said members being equal in length to the inner edge of a transverse member of a printer's chase while the scale on the other member is equal in length to the inner edge of a longitudinal member of the chase, the graduations of each of said scales increasing in value from the ends of the scale to the median line thereof.

1,521,517. HAND ACCELERATOR. RALPH W. FAIRBANK, Toledo, Ohio. Filed May 10, 1924. Serial No. 712,408. 2 Claims. (Cl. 74-39.)



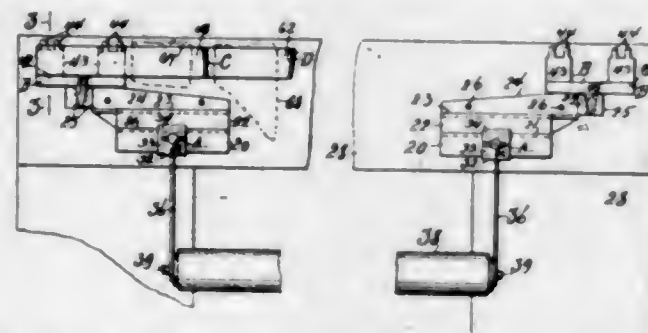
1. In combination with the steering post column, the steering wheel and the carburetor for the engine of an automobile, of a hand accelerator for the automobile, including a rod connected to the angle arm of the throttle lever of the carburetor, a bell crank lever pivotally supported on the steering post and having one arm connected with the rod and its second arm slotted, a rod pivotally associated with the slotted end of the bell crank lever, guide means on the steering post for the rod, a disk head on the rod surrounding the steering post, spring means surrounding the rod and exerting a tension between the disk head and one of the bearings for the rod, a lever having one end pivotally supported on one of the arms of the steering wheel and its second end offset and guided through another arm of the steering wheel and formed with a head designed for pressure by the hand of the driver to swing the lever to contact the head of the rod to move the same and open the throttle valve.

1,521,518. LOOSE-WHEEL CAR-AXLE STRUCTURE. BENJAMIN J. FEHR, Roanoke, Ill. Filed July 26, 1924. Serial No. 728,424. 5 Claims. (Cl. 293—10.)



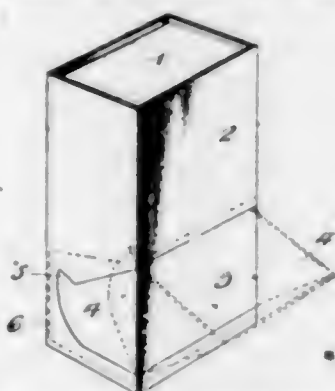
1. In a car wheel and axle having a fixed wheel at one end, a car journal and a wheel journal inwardly thereof adjacent the opposite end of the axle, a thrust flange fixed upon the axle immediately within the wheel journal, and having a bearing face equalling the major part of the area circumscribed by the wheel tread, a wheel snugly fitted on said flange, and a retaining member on the wheel engaging said flange.

1,521,519. COMBINED SHADE-ROLLER BRACKET AND CURTAIN SUPPORT. FREDERICK FERRIS, Bayonne, N. J. Filed Nov. 23, 1922. Serial No. 602,797. 2 Claims. (Cl. 156—23.)



1. In a shade roller bracket and curtain support the combination of a supporting bar having longitudinal guides extending from its upper surface, said bar having a vertical web, said web joining with a horizontal flange and the latter joining with a vertical flange, said vertical flange having a pair of clamping lugs formed there-with, a bracket having a box shaped portion with hook ends slidably supported on said bar, said hook ends engaging the longitudinal guides of the supporting bar, said box shaped portion having an arm extending therefrom, means to clamp the box shaped portion to the supporting bar, said arm having an opening to support the journal pin of a shade roller, a supporting frame detachably locked with the clamping lugs of the supporting bar and one end of a curtain support detachably locked with said frame.

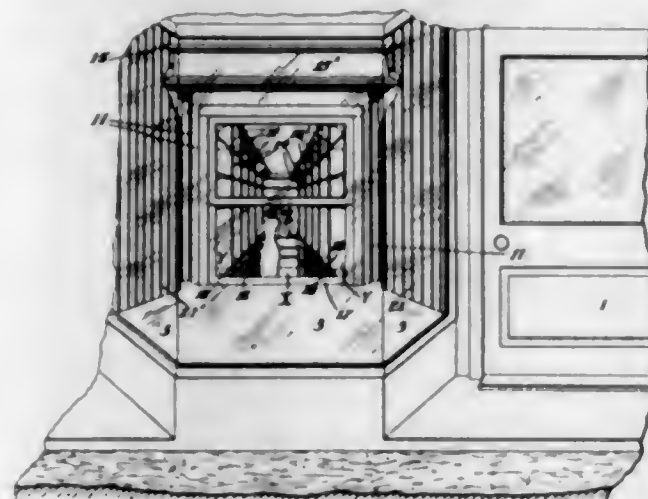
1,521,520. DISPENSING RECEPTACLE. WALTER DAN FISCHER, Marlin, Tex., assignor of one-half to Rudolph A. Bohn, Marlin, Tex. Filed Jan. 14, 1924. Serial No. 686,189. 3 Claims. (Cl. 206—31.)



1. A match receptacle having a portion of the front wall thereof formed to be disjoined from the same at times, and arms formed in the opposite sides of such

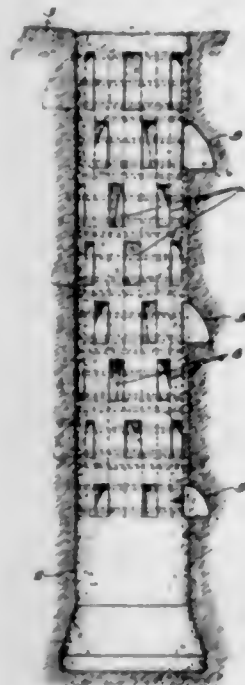
receptacle having hooked extremities, said arms being adapted, at times, to be disjoined from said sides of the receptacle and to be flexible inwardly whereby to engage with portions of the front wall of such receptacle upon outward swinging movement of the disjoined portion.

1,521,521. VENDING INSTALLATION. CHARLES E. FLAGG, West Roxbury, Mass. Filed June 29, 1923. Serial No. 648,617. 6 Claims. (Cl. 20—1.)



1. In combination with a store front display window, an interiorly disposed abutting self-contained vending cubicle enclosingly attached to the inner side of said window space, said cubicle comprising opposite parallel walls about a longitudinally disposed interior operating space and having an opening in its wall adjacent said window and visually aligned therewith so that the interior is visible from the outside of the store.

1,521,522. CAISSON AND METHOD OF MAKING THE SAME. CHARLES EVAN FOWLER, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,742. 6 Claims. (Cl. 61—81.)

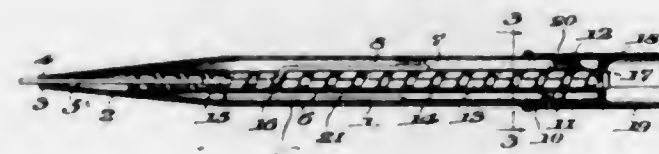


1. A caisson, comprising a body, and radially projecting fins of varying lengths integral with the body.

1,521,523. MAGAZINE PENCIL. WALTER J. FRANK, Chattanooga, Tenn. Filed Jan. 11, 1921. Serial No. 436,446. 3 Claims. (Cl. 120—18.)

1. A magazine pencil comprising an outer shell having a conical tip, an inner removable longitudinally slotted guide tube received centrally of the shell, one end being received within the conical end of the shell, the other

end of said tube being provided with a radial flange adapted to engage the inner wall of the outer shell to frictionally hold the tube in place, a lead received in the conical tip, a helically slotted sleeve received in said guide tube adapted to surround the inner end of the lead, a plunger arranged within said helically slotted



sleeve having a portion thereof offset, passing through the helical slot and being received within the longitudinal slot of the guide tube, whereby it is held against rotary movement, and a cap carried by the outer end of the outer shell and in engagement with the helical slotted sleeve, whereby the latter is rotated to effect a longitudinal movement of the plunger.

1,521,524. PICK-UP TONGS. SIDNEY L. FULLER, Lansing, Minn. Filed Aug. 17, 1922. Serial No. 582,519. 2 Claims. (Cl. 294—104.)



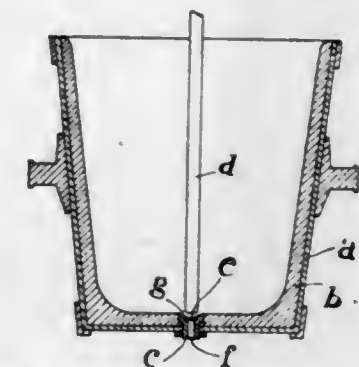
2. An automobile repair tong comprising, a substantially elongated shank having one end formed at right angles to provide a handle and the other end having an enlarged obtuse angularly disposed portion terminating in a forwardly extending relatively narrow tapering integral solid jaw extending in a plane parallel to the plane of the shank, the working face of said jaw being in lengthwise alignment with the inner side of said shank, a relatively narrow tapering shiftable solid jaw member having projecting from its inner end an integral curved bifurcated shank straddling said angularly disposed portion and pivotally connected thereto centrally thereof, the ends of the bifurcations of said curved shank extending beyond the angularly disposed portion and the integral jaw, a reciprocable actuating rod parallel with and of less length than said shank, having its forward end formed at an angle parallel with the angle of said enlarged portion, the terminus of said forward end being pivotally secured between the ends of said bifurcations, said reciprocable rod having its free end bent at right angles to extend parallel to and spaced from said handle, a guide for said actuating rod carried upon the elongated shank, an abutment formed integrally with said actuating rod and forwardly of said guide, and an expansible spring between and engaging said guide and abutment and surrounding said rod, normally tending to force the rod forward to keep the shiftable jaw out of engagement with the stationary jaw.

1,521,525. CAKE TURNER. EDWIN FULTS and CLARENCE A. BATES, Canastota, N. Y. Filed Dec. 20, 1922. Serial No. 608,052. 1 Claim. (Cl. 294—8.)



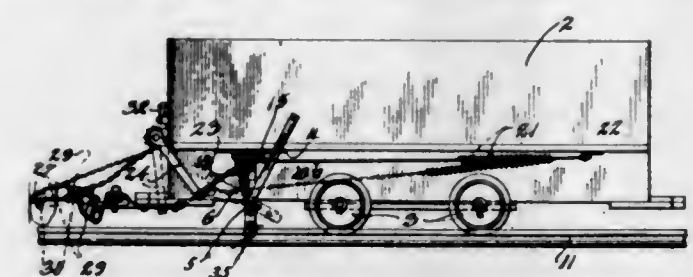
A pan cake turner comprising a thin flat blade, a shank fixed to the heel portion of the blade and extending rearwardly therefrom and terminating at its rear end in a T-head in the oppositely directed portions of which are longitudinally disposed apertures, a loop-shaped spring having a forward bight portion rotatable about the shank and also having rearwardly directed longitudinal stretches in parallelism and spaced at opposite sides of the shank and loops at the rear ends of the said stretches and journaled and retained in the apertures of the T-head, and handle portions attached to the said longitudinal stretches of the spring; the said rear loops of the spring being reversely curved, and the said T-head on the shank being disposed at an angle to the line of movement of the handle portions.

1,521,526. NOZZLE OF THE LADLE FOR STEEL CASTING. RYOSAKU GODAI, Tokyo, Japan. Filed Feb. 14, 1923. Serial No. 618,982. 2 Claims. (Cl. 22—85.)



1. A ladle nozzle provided with an annular groove formed on such upper part of the interior surface of the nozzle where the flowing molten steel strikes against it after intersecting at the vertex of the cone formed by molten steel flowing from the opening between the plug and its seat on the upper surface of the nozzle.

1,521,527. SAFETY DEVICE FOR CARS. WILLIAM H. GREET, Gfho, Wyo. Filed July 14, 1921. Serial No. 484,729. 10 Claims. (Cl. 188—43.)



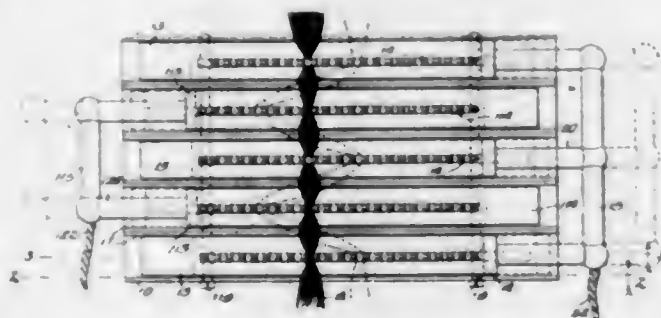
1. The combination with a car, of a safety device therefor comprising a pair of rail gripping members, a supporting shaft passing through said members intermediate their ends, draft means for the car operatively connected to the supporting shaft and normally holding the same with the gripping members swung into inoperative relation to the rails, said gripping members being arranged for the gripping ends thereof to be swung into operative relation to the rails upon breakage of the draft means, and spreading means in the path of swinging movement of the free ends of the gripping members adapted to spread the same as an incident to the last mentioned swinging movement to thereby effect gripping action of the gripping ends on the rail.

1,521,528. TATTING SHUTTLE. LILLY S. GRIGG, Long Beach, Calif. Filed Aug. 4, 1922. Serial No. 579,726. 1 Claim. (Cl. 96—22.)



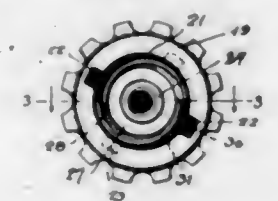
In a tating shuttle, the combination of a bobbin holder comprising oppositely curved resilient side plates permanently and rigidly connected at corresponding ends thereof and having their opposite corresponding ends free, a snap fastener comprising a stud and socket each secured to the free end of one of the plates respectively and interengaging for rigidly connecting the free ends of the plates but being freely separable for releasing said free ends of the plates from each other, a bobbin disposed between the plates and having a tubular hub provided at its ends with heads having spherical outer faces of a radius less than the curved sides of the shuttle whereby the bobbin may freely turn between said sides, and studs projecting from the plates into the ends of said hub journaling the bobbin and of a length to prevent clearance of the studs with the ends of the bobbin to free the bobbin except when the free ends of the plate are released and flexed apart.

1,521,529. HAIR WAYER. EMMA HAGEMASTER, New York, N. Y. Filed Dec. 3, 1923. Serial No. 678,294. 3 Claims. (Cl. 132—35.)



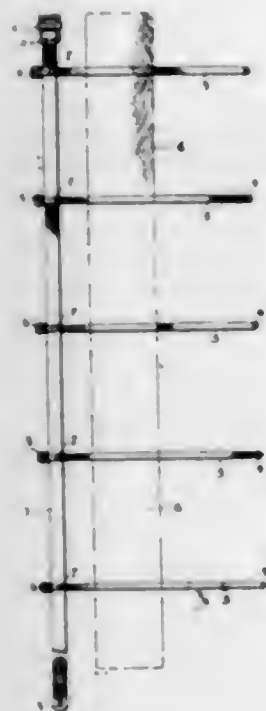
3. A hair wayer comprising a frame, series of combs relatively movable longitudinally in said frame, said frame having transverse rods near the ends and said combs having respectively near the ends thereof slots through which said rods extend, the slots in one series of combs being the reverse of the slots in the other series.

1,521,530. ELECTRIC SWITCH. OSCAR HAMMERSTROM, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 28, 1924. Serial No. 709,614. 3 Claims. (Cl. 200—172.)



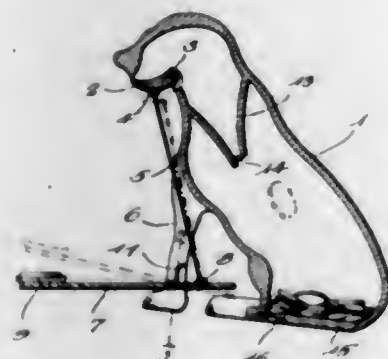
3. A handle for rotary snap switches comprising an insulating body recessed to afford a well, a ratchet member resting in said well and held against rotation therein, a mandrel extending into said well and having peripheral teeth cooperating with the ratchet member held against rotation in said well, means for securing said mandrel and ratchet member in assembled position with respect to the handle body, means for establishing connection between the mandrel and the rotary spindle of the switch, and means for rotating said mandrel with respect to the spindle in the direction of the slip between the cooperating ratchet elements of the handle.

1,521,531. BLANKET-ROLL SUPPORT. HAROLD N. HANOLD, Stundish, Me. Filed June 26, 1923. Serial No. 647,863. 1 Claim. (Cl. 224—12.)



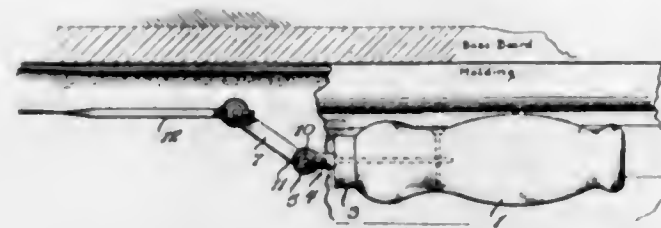
A pack strap comprising, a primary strap of substantial length, a buckle connected to said primary strap at one end thereof, a series of spaced secondary straps, each of said secondary straps in proximity to its inner end extending transversely of the outer face of the primary strap and having its inner end terminal portions opposing the outer side edge of and extending transversely of the inner face of the primary strap, means for securing the inner terminal portion of said secondary strap to both faces of the primary strap, the inner terminal portion of the secondary strap in connection with the outer side edge of said primary strap providing a series of loops, and a buckle member secured against said edge by each of the said loops, each of said secondary straps being adapted to engage the buckle at its looped end to secure a blanket roll against said primary strap, and one end of said primary strap adapted to engage the buckle at its other end after a roll has been secured thereto, to connect the ends of the roll when the same is in position upon a carrier's body.

1,521,532. NOVELTY BANK. JULIUS A. HANSEN, Salt Lake City, Utah. Filed Dec. 11, 1922. Serial No. 696,196. 4 Claims. (Cl. 46—36.)



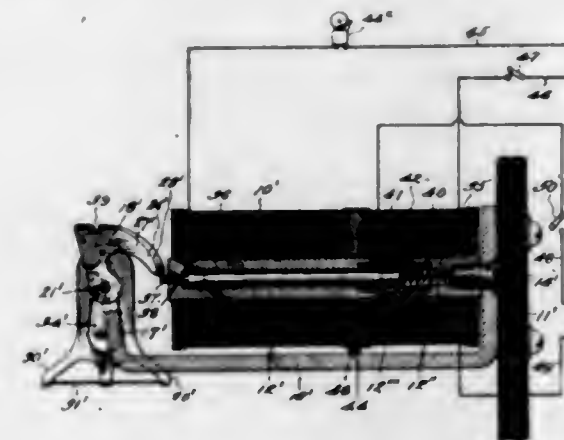
1. A novelty bank comprising a hollow simulation of an animal having a pivoted downwardly movable lower jaw, a substantially horizontal lever fulcrumed between the front legs of said simulation and having a coin holder at its front end, and a link pivoted at one end to said jaw and having its other end pivoted to said lever behind its fulcrum.

1,521,533. KNIFE FOR TRIMMING LINOLEUM. ARCH E. HENDERSON, Fort Smith, Ark. Filed Aug. 20, 1923. Serial No. 658,389. 1 Claim. (Cl. 30—9.)



A tool for trimming linoleum comprising a handle, an eye at the end of the handle having its axis disposed on a radius of the handle, a coupling link having an eye at one end adapted to axially align with the eye on the handle, an eye at the opposite end of the coupling link having its axis parallel with the axis of the first-mentioned eye, a blade provided at one end with an eye adapted to align axially with the last-mentioned eye, interengaging elements upon the opposed surfaces of the several eyes whereby to resist relative turning movement of the eyes, pivots inserted through the axially aligned eyes, and retaining devices mounted upon said pivots whereby the blade may be secured in an offset relation to the handle in a plane parallel to the longitudinal plane of the handle.

1,521,534. ANNUNCIATOR DROP. CHARLES HERRMANN, Brooklyn, N. Y., assignor to Chas. Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1921. Serial No. 445,385. 25 Claims. (Cl. 177—329.)

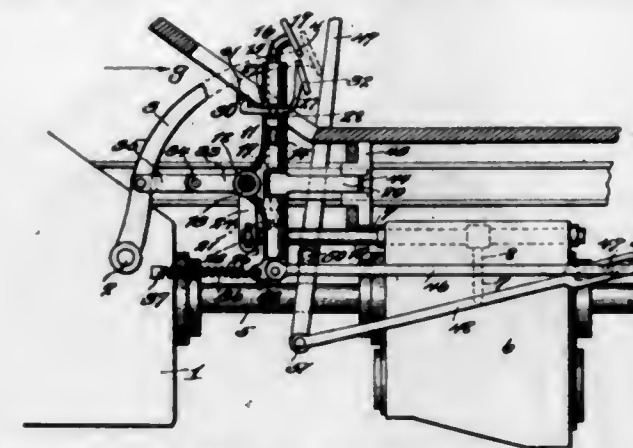


1. In a signalling apparatus, an electromagnet with its pole piece, a laminated armature including magnetic and non-magnetic lamina portions mounted so as to be movable transversely with respect to the pole of the magnet, a signal element connected to the armature for movement therewith the pole piece having an extension providing a magnetic path for the lines of flux and a stop means for limiting the motion of the armature in one direction, the non-magnetic portions extending to engage the stop means, said magnet pole piece and armature including means whereby the magnetic pull of the energized magnet on the movable armature will move the armature to the said limiting position and exert a continued pull on the armature in the said position to force the non-magnetic portion of the same into engagement with the stop means to prevent vibration of the said armature in the said position.

1,521,535. GEAR-SHIFT MECHANISM. ERNEST C. HICKS, Waynesville, Mo. Filed Dec. 6, 1923. Serial No. 678,993. 8 Claims. (Cl. 74—58.)

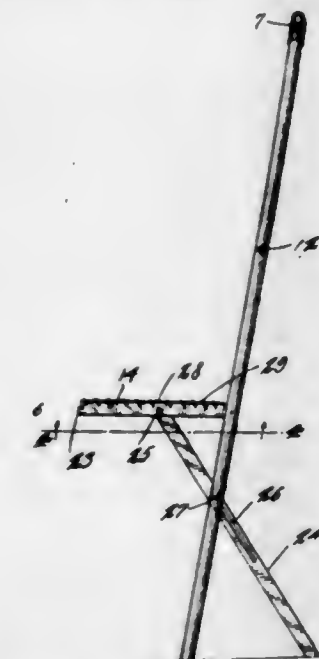
1. A gear shifting mechanism having a pedal actuated rocker consisting of members independently movable in 329 O. G.—80

opposite directions from a neutral position, and a foot actuable selector carried by the pedal for communicating



ing motion selectively to said members, said selector having a spindle provided with a cross head having pedal heads for alternate foot pressure.

1,521,536. CRUTCH CHAIR. SAMUEL A. HOLMES, Storm Lake, Iowa. Filed Aug. 21, 1923. Serial No. 658,613. 5 Claims. (Cl. 135—49.)



1. In a device of the character described, a crutch member including leg members, means for connecting the leg members at their upper ends to permit of movement of the leg members, a seat portion including pivoted side bars having connection with the leg members, pivoted bars disposed between the leg members of the crutch and adapted to hold the leg members of the crutch against movement with respect to each other, a bar having connection with the side bars to hold the side bars against movement with respect to each other, and leg members pivotally connected to the seat portion.

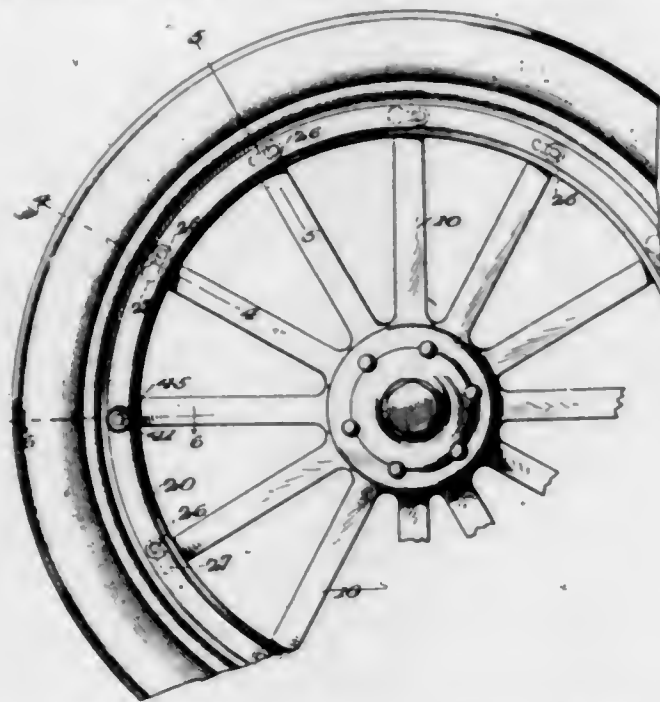
1,521,537. FUMIGANT AND PROCESS OF FUMIGATION. HARRY W. HOUGHTON, Glen Echo, Md. Filed June 21, 1924. Serial No. 721,565. 20 Claims. (Cl. 167—6.)

1. A fumigant containing hydrocyanic acid gas and a warning lachrymatory cyanogen derivative gas having greater specific gravity than air, which combine to form a permanent gas mixture heavier than air diffusing and dissipating without separation.

6. A fumigant produced by the simultaneous generation of cyanogen halides and hydrocyanic acid gas.

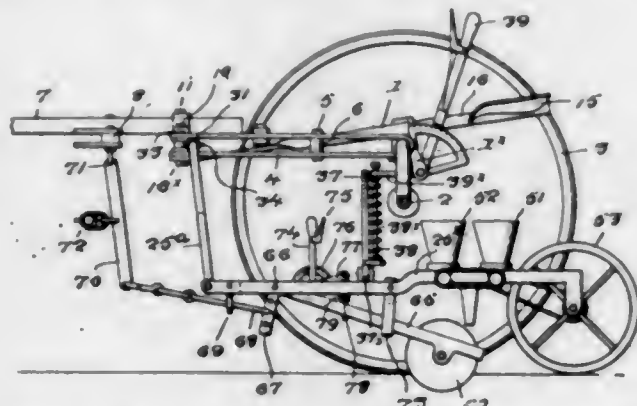
20. A mixture containing sodium cyanide and sodium chlorate in which the particles of sodium chlorate are coated with talc or some other inert substance, the proportions being such as to cause liberation of hydrocyanic acid gas and cyanogen chloride when acted upon by hydrochloric acid.

1,521,538. WHEEL. HENRY MARTIN HOWELL, Monroe, La., assignor of one-half to John Edward Doughtle, Monroe, La. Filed July 3, 1922. Serial No. 572,497. 2 Claims. (Cl. 301-11.)



1. In a device of the character described, a two part demountable rim including a base section having a locking plate and a removable tire retaining flange having a locking plate, the locking plate of the base section having key hole slots, headed studs carried by the locking plate of the retaining flange and cooperable with said slots, said locking plate of the retaining flange also carrying relatively longer headed studs adapted to cooperate with key hole slots of a felly.

1,521,539. CULTIVATOR STRUCTURE. MONROE HUGGINS, Cookeville, Tenn. Filed Dec. 14, 1921. Serial No. 522,270. 5 Claims. (Cl. 97-161.)

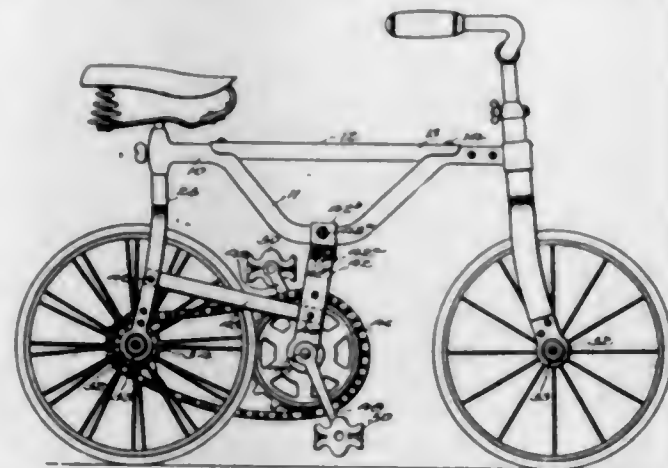


4. The combination in an agricultural apparatus of a wheeled frame, draft means connected with said frame, trailing beams connected with said frame, beams pivotally connected with the trailing beams and extending rearwardly and downwardly from said points of connection and equipped on their rear portions with ground-working devices and having at their forward ends arms, and connections intermediate said arms of said beams and the said draft means.

1,521,540. VELOCIPEDE. JOHN HUBBY, Ancon, Canal Zone, Panama. Original application filed Dec. 3, 1920. Serial No. 428,046. Divided and this application filed July 27, 1922. Serial No. 577,869. 1 Claim. (Cl. 208-11.)

In a velocipede, a frame including a front fork having an axle therein, a rear fork having an axle therein, and a support for a drive shaft, together with ball bearings in said rear fork and said support for the rear axle

and the shaft respectively, said bearings comprising cups separate from the frame but rigid with the rear fork and with said support respectively and presenting open-

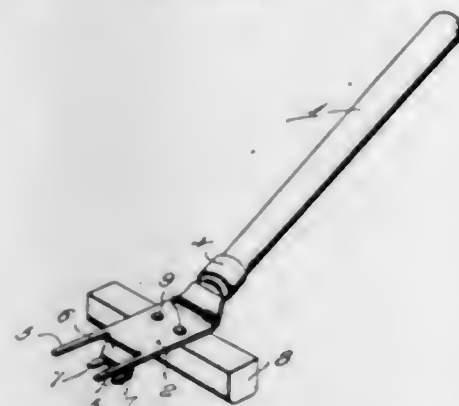


ings through which the axle and shaft respectively extend, ball retainer rings on the axle and the shaft to turn therewith, said retainer rings forming with said cups ball races, and balls in said races.

1,521,541. METHOD OF MAKING CARBONS. YOSHIO INADA, Takaw, Formosa, Japan. Filed Sept. 8, 1920. Serial No. 408,977. 1 Claim. (Cl. 252-3.)

A method of obtaining a decolorizing carbon by treating Japanese coniferous wood having a fragrant volatile resin, said method comprising first driving out the volatile material by heat; impregnating the residue with a potassium acetate, and finally driving away the impregnating agent potassium acetate.

1,521,542. SELF-SEALING JAR OPENER. CALLE P. JACOBSEN, Coquille, Oreg. Filed Mar. 3, 1924. Serial No. 696,635. 3 Claims. (Cl. 65-47.)

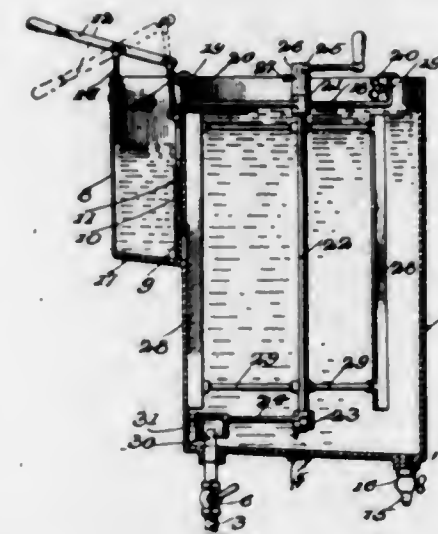


1. A removing device for metal jar caps comprising a lever provided with a pair of laterally spaced forwardly extending fingers disposed in a common plane and also provided with a tongue between said fingers extending laterally from said plane, the free end of said tongue having at least one prong substantially parallel with said fingers and terminating in rearwardly spaced relation therewith, said prong being adapted to be forced through a jar cap when said fingers are disposed vertically against the peripheral edge of such cap, and a fulcrum carried by said lever behind said tongue and fingers, said fulcrum extending transversely of the lever and projecting oppositely therefrom to extend substantially throughout the diameter of the cap.

1,521,543. LIQUID-DISPENSING DEVICE. HARRY HAMLIN JOHNSON, Washington, D. C. Filed Aug. 5, 1922. Serial No. 579,847. 2 Claims. (Cl. 221-95.)

1. In a device of the character described, an upright container having a bottom sloping from one marginal

edge thereof to its opposite marginal edge, said container having an inlet extending through the highest part of the bottom and an outlet extending through the lowest part of the bottom, an auxiliary upright container disposed exteriorly of the first container, said containers having one side wall in common and said second container terminating at its lower end above the level of the first container, said common side wall having an opening establishing communication between said containers at a definite height above the level of the bottom



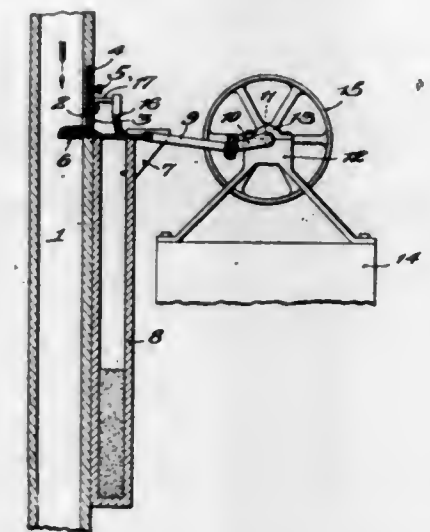
of the first container and having a second opening establishing communication between the lower end of the auxiliary container and the first container, the bottom of said auxiliary container sloping toward its juncture with the common side wall and the lower edge of the second named opening in said common side wall lying in the horizontal plane of the lowest part of the bottom of the auxiliary container, and means for controlling the flow of liquid through said second named opening in said common side wall.

1,521,544. CARPENTER'S SCRIBER. THOMAS H. KING, Charlotte, N. C. Filed Jan. 5, 1923. Serial No. 610,823. 2 Claims. (Cl. 33-82.)



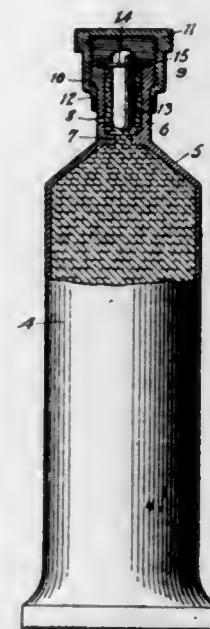
1. A carpenter's tool, for the purpose set forth, comprising a head made up of a plurality of superimposed blocks, interengaging means between the contacting faces of the blocks, an element passing centrally through the blocks, two parallel arms extending in the same direction away from the ends of the blocks and receiving the element therethrough at opposite ends of the block, respectively, binding means between each arm and the element, interengaging means between each arm and the adjacent block, each of said arms comprising an inner member secured to said element and having a dovetailed tongue and an outer member having a dove-tailed groove to slidably receive the tongue, and binding means between the outer and inner members of the arms.

1,521,545. SAMPLE MACHINE. WILBUR DENIO KISTLER, Sheridan, Wyo. Filed Feb. 17, 1923. Serial No. 619,743. 2 Claims. (Cl. 73-21.)



1. The combination of a conduit having a side wall provided with an opening and a gateway formed between the inner and outer sides of said wall and communicating with said opening, a gate slidable in said gateway and adapted to project into said opening to vary the effective area of the latter, means for securing said gate in different positions of adjustment, a slide for extracting samples mounted to travel inwardly and outwardly through said opening and means for actuating said slide.

1,521,546. COLLAPSIBLE TUBE. DAVID K. KUSKIN, New York, N. Y. Filed Jan. 28, 1924. Serial No. 689,112. 3 Claims. (Cl. 221-60.)

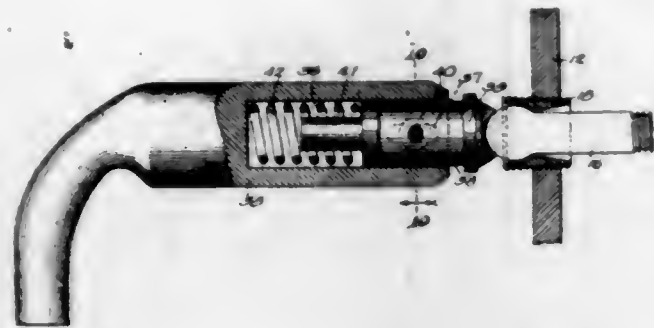


1. In a container, a collapsible body portion having a neck at one end provided with a valve seat at its inner end and an annular groove adjacent its outer end, a valve in said neck having a flexible flange the periphery of which is engageable in said groove, and a closure cap movable longitudinally of said neck to engage said cap with said valve to flex the same so as to cause it to engage said valve seat to close communication between said body portion and neck.

1,521,547. DOLLY BAR. HARRY A. LACERDA, Watervliet, N. Y. Filed Sept. 14, 1923. Serial No. 662,723. 2 Claims. (Cl. 78-53.5.)

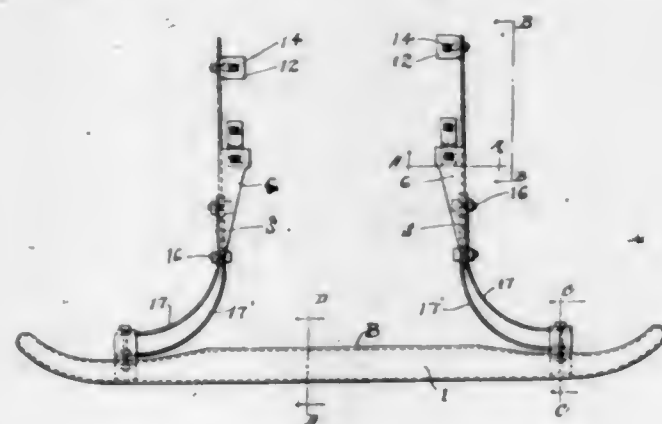
1. In a dolly bar, a body portion having a longitudinal chamber therein extending to one end thereof, a reciprocating head mounted within said chamber and having

one end projecting therefrom and capable of engaging the head of a stay bolt, a headed centering pin engageable with the inner end of said head, and a coil spring having



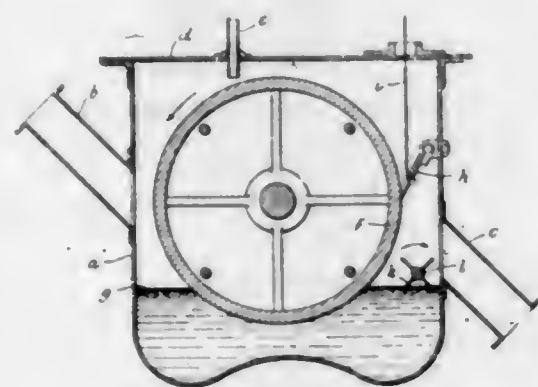
a portion embracing said centering pin and interposed between the head of said pin and the inner end of said chamber.

1,521,548. BUMPER. YUSKE MIYASAKI, Hubbard, Ohio. Filed Mar. 18, 1924. Serial No. 700,085. 8 Claims. (Cl. 293—55.)



1. A device of the class described comprising, in combination, a dished bumper having a marginal flange extending downwardly, and means for securing said bumper to a vehicle.

1,521,549. METHOD OF PRODUCING CHEMICAL REACTIONS BY ACTION OF HEAT. JOHN STANLEY MORGAN, London, England. Filed Oct. 1, 1921. Serial No. 504,710. 4 Claims. (Cl. 260—154.)



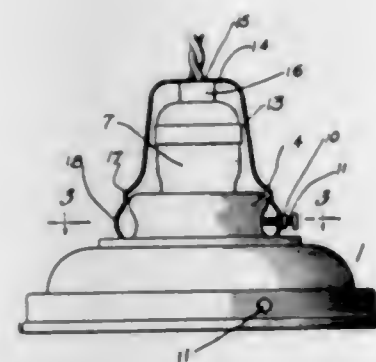
1. A method of bringing about chemical reactions by a fusion process consisting in causing the material which is to undergo reaction to travel in contact with a mass of molten metal heated to the required temperature.

1,521,550. ADJUSTABLE WINDOW SCREEN. SILAS E. NORTON, East Orwell, Ohio. Filed June 21, 1922. Serial No. 569,980. 2 Claims. (Cl. 156—38.)



1. An adjustable window screen comprising a pair of similar rectangular screen covered frame sections disposed in telescoped overlapping arrangement and disposed between the sides of a window casing with the frame sections engaging the parting strips thereof, and lugs on the frames bearing against the adjacent faces of the blind stops for holding the frame sections against lateral displacement.

1,521,551. COMBINATION ELECTRIC SHADE HOLDER. JOSEPH FALCONE, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,491. 2 Claims. (Cl. 240—128.)



2. A one-piece electric lamp metal shade holder comprising curved means for the direct suspension thereof from a socket cover, said means being concentric with said holder and formed as a continuation of the main body of the shade holder, and upwardly thereto, and means for the direct connection of the shade holder to a bulb socket, the last mentioned means being substantially a continuation of the curved means aforesaid and formed inwardly thereof and in opposite direction thereto.

1,521,552. CANDLE MOLD. JAMES W. FARRELL, Cincinnati, Ohio, assignor to Homan & Co., a Partnership consisting of Joseph T. Homan and Louis Homan, Cincinnati, Ohio. Filed Sept. 20, 1922. Serial No. 589,469. 7 Claims. (Cl. 18—39.)

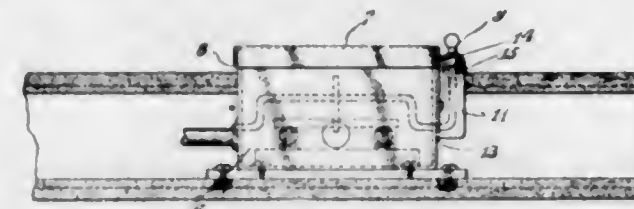
1. A candle mold, having a tapering bore, said bore having depressions of irregular contour, the upper ends

of the depressions lying in the plane of generation of the bore, and the surfaces of the depressions being substan-



tially parallel with the long axis of the bore whereby provision is made for the unobstructed withdrawal of the molded article.

1,521,553. PLASTER SHIELD FOR INCLOSED SWITCHES. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Oct. 14, 1922. Serial No. 594,474. 4 Claims. (Cl. 200—6S.)

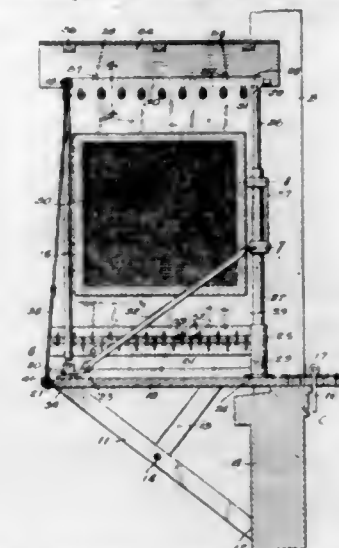


4. A construction of the character described comprising a switch box, means for securing the rear of said box within a wall, said box being open at the front and having edges adapted to project beyond the outer surface of a wall, a switch mounted within said box, an operating member mounted in one side of said box and having a handle projecting toward the front of said box adapted to swing alongside of a side wall of said box, a plaster shield secured to the side of said box around the pivotal part of said handle and extending forwardly sufficient to protect said handle from the plaster of the wall and a movable cover for the front of said box.

1,521,554. WINDOW PORCH. ALMA GUENTHER, New York, N. Y. Filed Oct. 17, 1923. Serial No. 669,151. 5 Claims. (Cl. 20—1.11.)

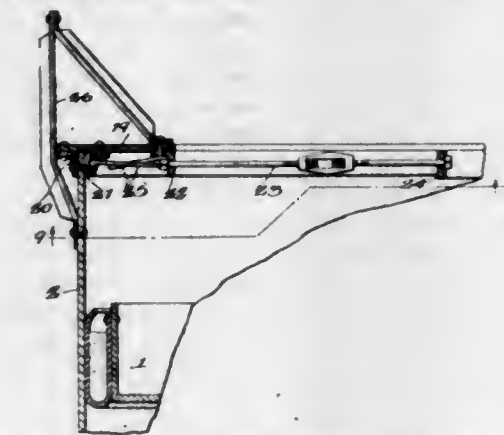
1. A window porch comprising a platform having means for attaching and supporting the same from the window sill, a collapsible superstructure attached to the platform including an inverted U-shaped member pivotally attached at its lower end to the forward or outer end of the platform and capable of downward folding thereon, a pair of longitudinally extensible standards pivotally attached to the platform adjacent its rear or inner end, means for holding said standards in extended position, means for retaining said standards in vertical position, arms pivotally attached at one end to the bight of the U-shaped member, means at the free ends of said

arms engageable with the upper ends of the standards, and a foldable covering for said collapsible superstructure



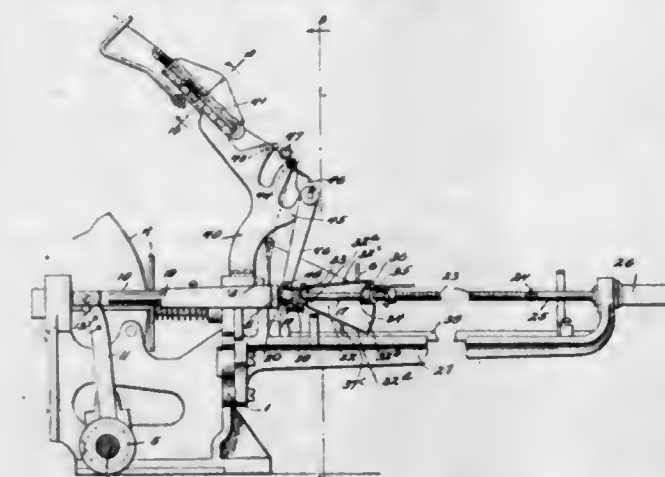
having means for detachably associating the same therewith and with the platform.

1,521,555. BRACING APPARATUS FOR FIREPROOF TANKS. WILSON SYLVESTER HUFF, Oklahoma City, Okla. Filed Mar. 12, 1921. Serial No. 451,875. 13 Claims. (Cl. 220—26.)



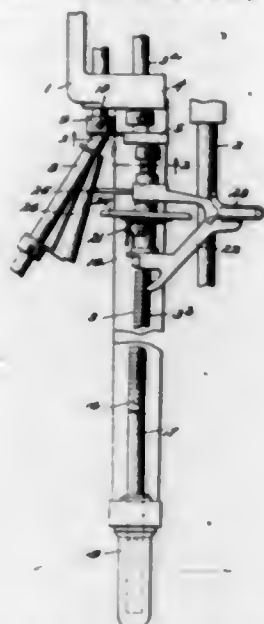
1. The combination of a container, a cover floating on the liquid therein, with circumferentially applied means for making a tight joint between the two; means for bracing the container against distortion of the upper edge and the consequent hindrance to the functioning of said cover and joint-making means; said means comprising annular and straight angle irons applied to the upper edge of the container, an annular spaced angle collar; a ring-like cover disposed between said irons and collar, and additional bracing means for strengthening the inner edge.

1,521,556. WINDING MACHINE. JAMES DANIEL JOYCE, Philadelphia, Pa. Filed May 1, 1924. Serial No. 710,252. 18 Claims. (Cl. 242—27.)



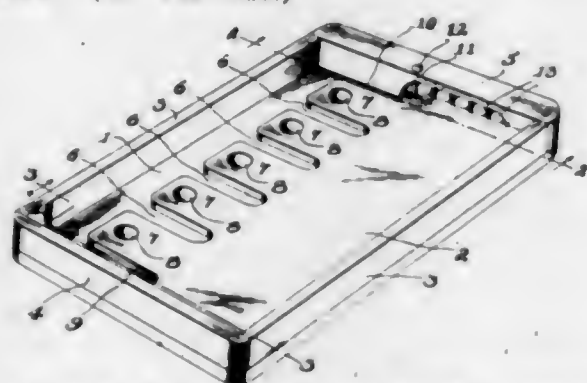
1. In a winding machine of the character described, a shaper capable of adjustment in a plurality of directions to wind cops on tubes of any of a plurality of diameters.

1,521,557. WINDING MACHINE. JAMES DANIEL JOYCE, Philadelphia, Pa. Filed May 1, 1924. Serial No. 710,253. 6 Claims. (Cl. 242-27.)



1. In combination, in a winding machine of the character described, a rotating spindle and a reciprocating traverse bar, said bar being composed of two sections, one of said sections being slideably mounted in fixed bearings in said frame parallel to the axis of the winding spindle, and the other of said sections being pivoted to a member having sliding engagement with said frame and adapted to be swung laterally toward said winding spindle, said first named section having a pin extending laterally therefrom and adapted to be engaged by a collar on said second named section, and a tension spring tending to keep the two said sections in alignment, said first named section having a laterally extending plate fixedly secured thereto, said plate having crimped over edges to provide a guideway, a plate fixedly secured to said second named member and slideably held within said guideway, and resilient means tending to keep the two said sections in alignment.

1,521,558. GAME BOARD. ERNEST KOHLER, Alameda, Calif. Filed Dec. 20, 1922. Serial No. 607,987. 2 Claims. (Cl. 773-115.)

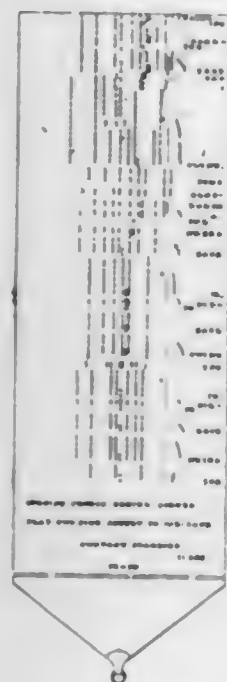


1. A device of the character described, comprising a base, a raised base associated therewith, a plurality of spaced raised fingers formed integrally with said raised base and being on the same level therewith, each of said fingers being provided with a detent adjacent its outer end, an incline connecting said bases, a plurality of spheres adapted to freely roll on said bases, and a chamber formed adjacent one end of said device for normally receiving said spheres, and a communicating passage connecting said chamber with a space adjacent one of said fingers.

1,521,559. MUSIC SHEET. HARRY G. MILLER, Cincinnati, Ohio, assignor to The Vocalstyle Music Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 21, 1921. Serial No. 453,940. 2 Claims. (Cl. 84-165.)

1. A perforated music sheet for a mechanically operated musical instrument, provided with the words of

a song located along one margin thereof in cooperative relation with their corresponding perforations and printed directions governing the actions of instrumentalities

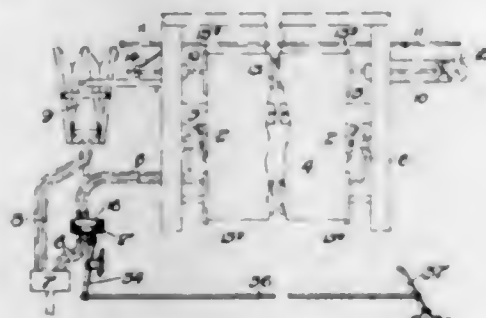


other than the operator of the instrument located along the other margin of the sheet and in non-operative relation to the note perforations.

1,521,560. METHOD OF PREPARATION OF ALIPHATIC ARSENICAL DERIVATIVES FROM ACETO-ARSENIOUS ANHYDRIDE. CARL OESCHSLIN, Ablon, France. Filed Sept. 14, 1922. Serial No. 588,183. 2 Claims. (Cl. 260-14.)

2. A method of preparation of an arsenical compound having the formula $HC:As:H_2O_2$, which consists in treating arsenious acid with acetic anhydride, heating the mixture, and subsequently subjecting the product thus obtained, and having the formula $(As:CH)_2$, to the action of hydrogen peroxide.

1,521,561. NOTE-SHEET-GUIDING DEVICE FOR PLAYER PIANOS AND THE LIKE. EDWIN F. ORR, North Richmond, Melbourne, Victoria, Australia. Filed Nov. 26, 1923. Serial No. 677,031. 17 Claims. (Cl. 84-138.)

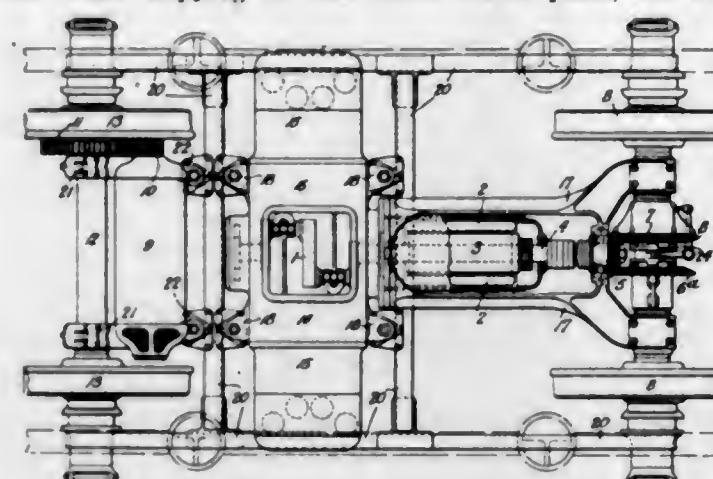


1. In a player piano or the like, the combination with a music roll mounting adapted to permit axial movement of said roll; of means whereby the music roll is automatically moved axially in the same direction as that which the note sheet may tend to take during rewinding of the sheet.

1,521,562. ELECTROMAGNETIC TRANSMISSION OF POWER ON VEHICLES. MATT PAYNE, London, England, assignor of one-half to Hobdell, Way and Company, Limited, London, England. Filed June 17, 1924. Serial No. 720,668. 24 Claims. (Cl. 105-35.)

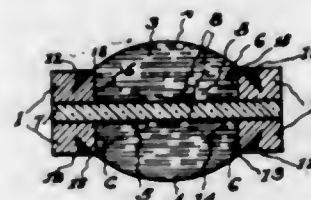
1. In a bogie the combination of an internal combustion engine having horizontal cylinders, an electro-mag-

netic clutch driven by the engine and forming a generator when slipping of the clutch takes place, an axle



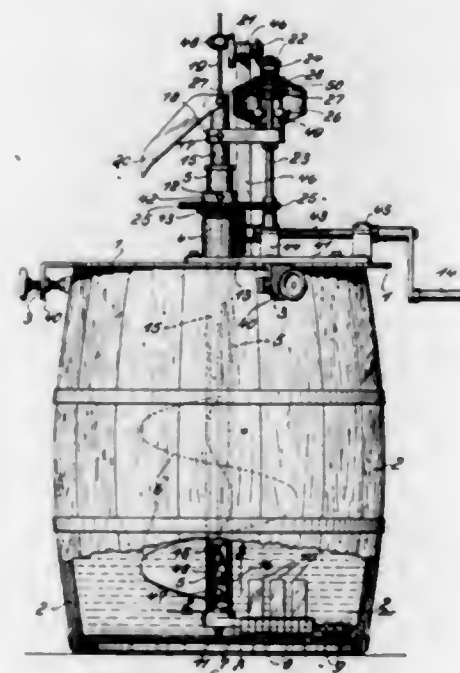
driven by said clutch, a second axle, and an electric motor driving said axle and supplied with current from the generator.

1,521,563. FLUID LENS. CARROLL PFLEEGOR, Milton, Pa., assignor to The Scientific Apparatus Corporation, Milton, Pa., a Corporation of Pennsylvania. Filed Nov. 16, 1921. Serial No. 515,586. Renewed Nov. 25, 1924. 4 Claims. (Cl. 88-57.)



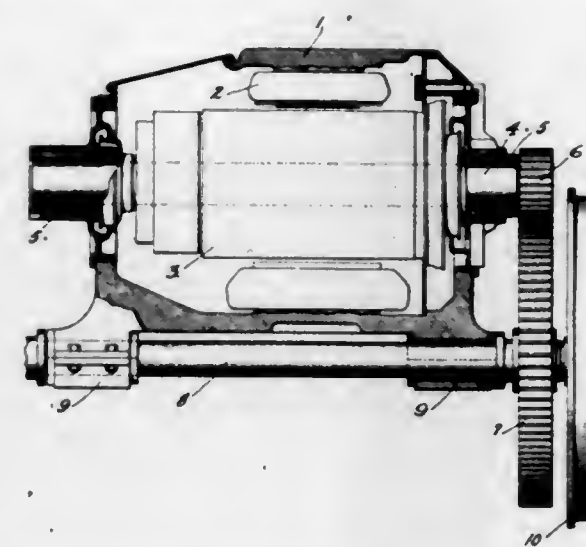
1. A lens consisting of a holder, a transparent disk attached to the holder, a fluid adhering to the holder and to the disk, said lens being spherical in contour and of a focal length depending on the amount of fluid retained by the holder, and means resisting the flow of the fluid on the holder.

1,521,564. APPARATUS FOR TAPPING LIQUIDS SUCH AS PAINT FROM RECEPTACLES. MAX ROGLER, Ratingen, Germany. Filed July 10, 1924. Serial No. 725,311. 16 Claims. (Cl. 221-102.)



1. In an apparatus of the class described, the combination, with tapping means, and stirring means, of common operating means for successively actuating said tapping and stirring means.

1,521,565. POWER-TRANSMISSION MECHANISM. ELMER S. SAWTALLE, Cincinnati, Ohio, assignor to The Tool Steel Gear & Pinion Company, Elmwood Place, Ohio, a Corporation of Ohio. Filed Jan. 14, 1924. Serial No. 685,985. 2 Claims. (Cl. 74-41.)



1. In combination, a driving shaft and a driven shaft, one of said shafts being unjournaled at one end, intermeshed gear wheels mounted on said shafts, one on said unjournaled end, gear teeth on one of said gear wheels each having an end portion of tool steel and the other end portion relatively soft in order to make compensation for disalignment in the shafting.

1,521,566. CHART FOR MEMORIZING WIRELESS CODES. CORYDON G. SNYDER, Oak Park, Ill. Filed Dec. 12, 1922. Serial No. 606,423. 11 Claims. (Cl. 283-1.)

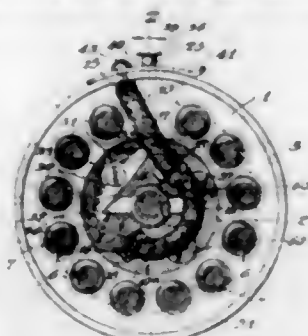


1. A chart for code memorizing comprising code delineations arranged substantially in the form of the characters they represent.

1,521,567. DISTRESS SIGNAL. MEREDITH G. STANDLEY, Cincinnati, and ERNEST WHITE, Milford, Ohio; said White assignor to said Standley. Filed Mar. 24, 1921. Serial No. 455,237. 5 Claims. (Cl. 116-23.)

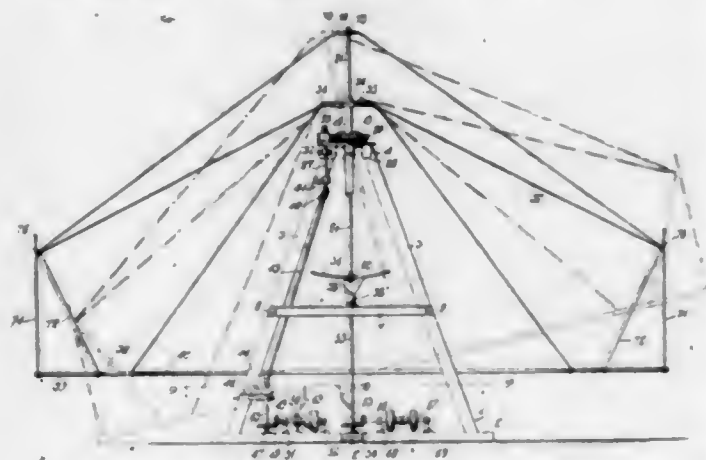
4. In a distress signal, a disk-like body providing a row of cartridge receiving chambers, adapted to house a plurality of blank cartridges, the casing of each cartridge being perforated adjacent its closed end; a groove in said body surrounding said chambers, toward and into which project said perforations, a fuse having a plurality of inwardly facing notches, the apex of each

notch contacting a projecting portion of a corresponding cartridge and perforation therein, means for igniting said fuse, and a perforated closure adjacent to and surround-



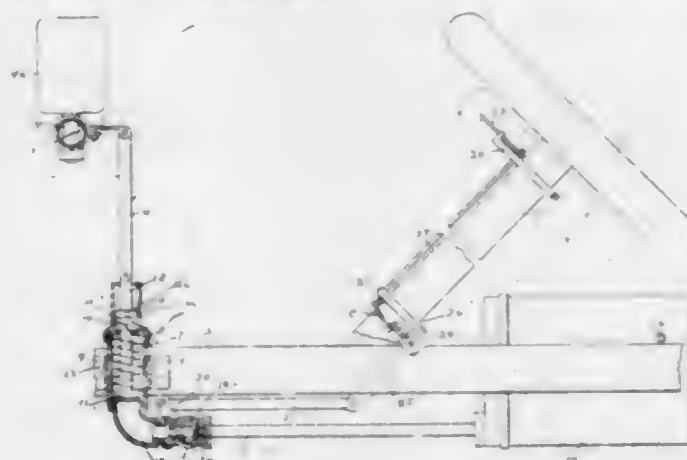
ing the muzzle ends of said cartridges, to permit free escape of gases, and free propagation of sound waves therethrough.

1,521,568. AMUSEMENT DEVICE. THOMAS L. STINE, Trego, Md.; Herbert G. Stine administrator of said Thomas L. Stine, deceased. Filed Nov. 7, 1922. Serial No. 599,532. 6 Claims. (Cl. 272-50.)



1. An amusement device comprising a frame, a pair of rotatable cradles supported by said frame, one of said cradles being movable in vertical planes relative to the other, an upper shaft journaled in said movable cradle, and movable in vertical planes at right angles to the planes of movement of said movable cradle, a lower shaft journaled in said frame and having means engaging said upper shaft, whereby said upper shaft is carried around with said lower shaft, a rotatable platform carried by said upper shaft, and means for rotating said shafts.

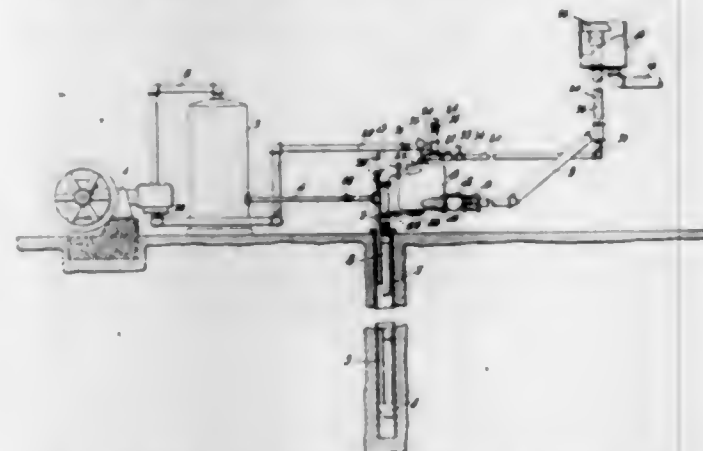
1,521,569. HEADLIGHT-TILTING DEVICE. WILLIAM L. THAETE and FRED E. MEFFORD, Colorado Springs, Colo. Filed June 7, 1924. Serial No. 718,502. 3 Claims. (Cl. 240-61.)



1. In a device of the class described the combination of a vertically disposed cylinder adapted to be mounted on the side bar of an automobile; a piston rod, having

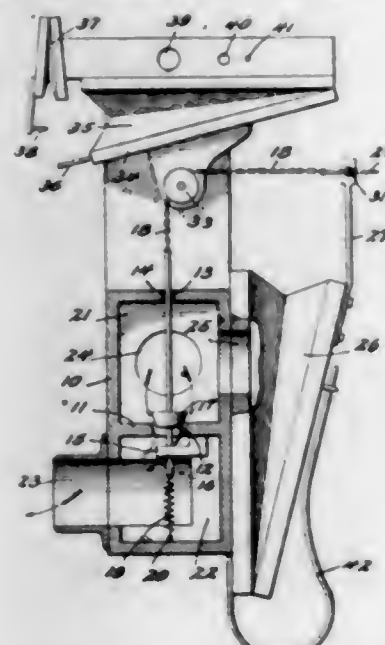
a piston thereon, disposed in said cylinder and extending through the head thereof; an open spring disposed around said piston rod within said cylinder adapted to hold said piston down; bracket adapted to be mounted on the fenders of an automobile; a horizontally disposed tube mounted in said brackets; head lights mounted on said tube; an arm mounted on said tube and connected to said piston rod and adapted to be actuated thereby; an air reservoir adapted to be mounted on an automobile; a pipe leading from said reservoir, a three way cock in communication with said cylinder and connected to said pipe; said cock having an operating lever; a main lever adapted to be mounted on a side bar of an automobile; a bar connecting said levers; a quadrant and a bracket adapted to be mounted on the steering wheel column of an automobile; a rod having a lever at the top and an arm at the bottom, mounted in said quadrant and bracket; a link connecting said arm and said main lever; for the purposes set forth.

1,521,570. SEPARATOR. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 29, 1919. Serial No. 314,103. 26 Claims. (Cl. 103-231.)



1. In a gas and liquid separator system, gas lift means for supplying a stream of gas and liquid mixture, cooperating centrifugal separating means operated by said stream, and means for thereafter returning one of said mixture constituents to said supply means.

1,521,571. AUTOMATIC MUSICAL INSTRUMENT. TORBERT F. CHEEK, New York, N. Y., assignor to Welt-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1922. Serial No. 592,834. 4 Claims. (Cl. 84-41.)



1. In an automatic musical instrument, an air passage, a valve port in the passage, a tapered valve for the port, the valve being movable into and away from the

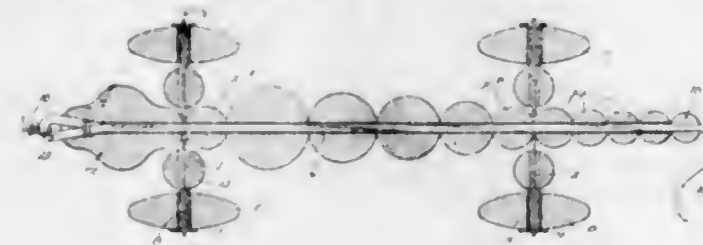
port, a regulator pneumatic, expression mechanism, and connections between the regulator pneumatic, expression mechanism and the valve.

1,521,572. LATCH. SAM HAMMER, New York, and DAVID POSTAL, Brooklyn, N. Y., assignors to United Metal Box Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Mar. 4, 1920. Serial No. 363,128. 4 Claims. (Cl. 292-175.)



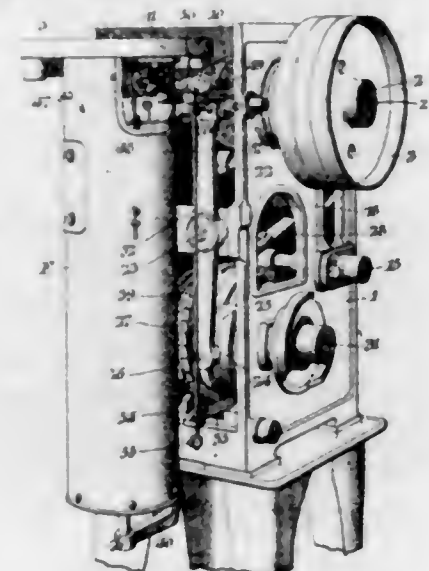
1. A latch comprising a casing of substantially flat construction secured beneath the lid of a box or the like having a slot in communication with the casing, a bolt slidably mounted in the casing and cooperating with a catch on the box, means to yieldingly project the bolt, said casing having a slot in its base coinciding with the slot in the cover, said bolt having a boss projecting out through the slot in the cover, and a two part separable operating member reversibly associated with said bolt and secured to said boss and in one position through the boss and the slots in said lid and the base of the casing.

1,521,573. WHEELED TOY. PHILIP MYERS, Glenview, Ill. Filed Sept. 17, 1923. Serial No. 663,077. 12 Claims. (Cl. 46-45.)



1. A toy vehicle having two wheel-carrying axles and a reach extending through both thereof and spacing the axles, both axles being pivoted upon the reach so as to be freely and completely rotatable about the axis of the reach.

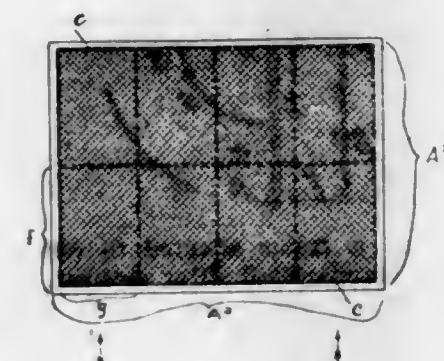
1,521,574. CONTROLLING MEANS FOR FABRIC CAGES FOR KNITTING MACHINES. ALBERT M. PIGEON, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Apr. 6, 1918. Serial No. 227,029. 17 Claims. (Cl. 66-9.)



1. In a knitting machine, the combination of an alternately rotating and oscillating needle cylinder; a fabric-receiving cage; means for actuating said needle cyl-

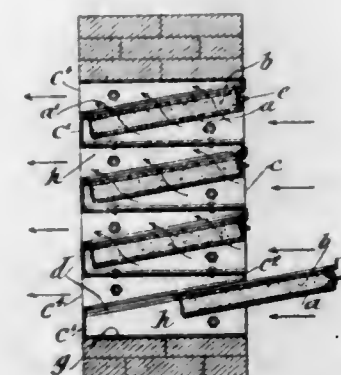
inder and said cage in unison; and means for automatically disconnecting said cage after the oscillating phase of the needle cylinder has begun, so as to suspend movement thereof in said oscillating phase.

1,521,575. FILTER FOR PURIFYING AIR. HANS WITTEMEIER, Berlin, Germany. Filed Jan. 5, 1921. Serial No. 435,288. 8 Claims. (Cl. 183-44.)



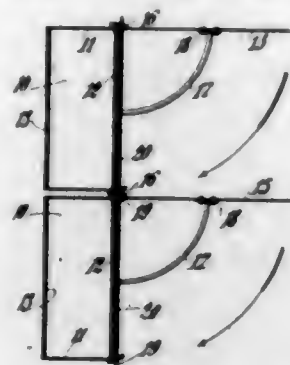
3. A self contained air filter, comprising a frame, incombustible walls for the open front and rear of said frame, having air passage openings therein, the entire front and rear walls adapted to be exposed to the atmosphere so as to be in free and open communication therewith, the walls being spaced apart a distance less than either the length or the breadth of the walls, incombustible filtering means between the walls, arranged to repeatedly and successively subdivide the air entering through one wall, into small attenuated streams and renite the same and again sub-divide the same between the walls, pockets out of the path of the airflow protected by the filtering means, and a viscous coating for the filtering means within the pockets whereby the dust is collected by the same on the filtering means between the walls and within the pockets, the air leaving the other wall free from dust.

1,521,576. FILTER FOR PURIFYING THE AIR. HANS WITTEMEIER, Berlin, Germany. Original application filed Jan. 5, 1921, Serial No. 435,288. Divided and this application filed Mar. 15, 1924. Serial No. 699,597. 2 Claims. (Cl. 183-34.)



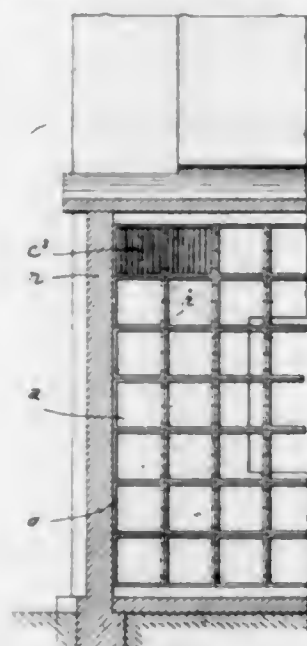
1. In a filter, the combination of a casing having a plurality of compartments therein, lateral slideways arranged at the inner opposite sides of the compartments and inclining backwardly and downwardly from the front of the casing, filter cells for said compartments having lateral sliding bars adapted to engage in said slideways, closure walls rising from the bottoms of the said compartments and extending to said slideways for closing the lower portions of the compartments and interlocking parts at the front of the compartments and at the outer ends of said filter cells for sealing the upper portions of the compartments.

1,521,577. FILTER FOR PURIFYING THE AIR. HANS WITTEMEIER, Berlin, Germany. Original application filed Jan. 5, 1921, Serial No. 435,288. Divided and this application filed Mar. 15, 1924. Serial No. 699,598. 2 Claims. (Cl. 183-45.)



1. In a filter, a frame adapted to removably receive in one side a standardized filter element, a flap hinged to the top of the frame at the opposite side thereof for closing the frame when the filter element is removed, and a curved support secured to the inner side of the flap and adapted to swing through the frame and into the filter element space when the flap is closed, said support being adapted to be engaged and pushed outwardly by a standardized filter element as the latter is fitted in the frame to swing the flap upwardly into open position.

1,521,578. FILTER FOR PURIFYING THE AIR. HANS WITTEMEIER, Berlin, Germany. Original application filed Jan. 5, 1921, Serial No. 435,288. Divided and this application filed Mar. 15, 1924. Serial No. 699,599. 1 Claim. (Cl. 183-34.)

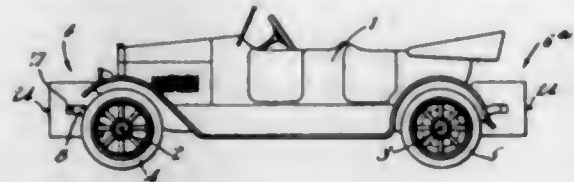


A filter having a plurality of spaced bars arranged in offset rows, each bar comprising a thin plate continuously convex from edge to edge at its outer side toward the direction of air flow to admit uninterrupted and steady deflection and flow of the divided air current about the lateral edges of the plate without creating a back swirl, each plate also being transversely concave at its inner side from edge to edge to provide a deep quiescent air space within which may be trapped and may settle the larger particles with which the air may be charged.

1,521,579. BUFFER FOR VEHICLES. MAX FREEDMAN, Boston, Mass. Filed Aug. 4, 1924. Serial No. 729,928. 8 Claims. (Cl. 293-54.)

1. A buffer device comprising a support, movable members disposed at opposite sides of the support and spaced therefrom, said members being connected to move as a unit, guide rods passing through openings in the sup-

port, the opposite ends of the rods being secured to the respective movable members and springs interposed between the support and each of said movable members,



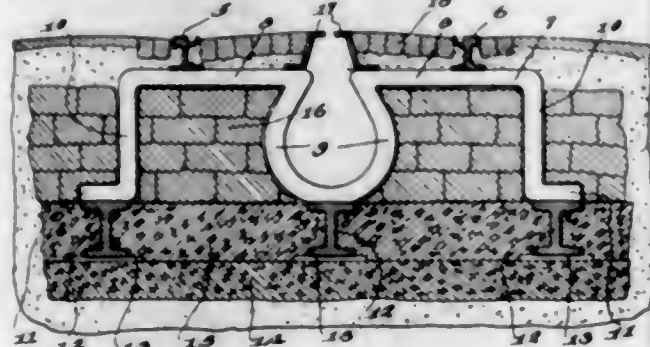
the springs between the support and one of said members acting as compression springs and the springs between the support and the other of said members acting as tension springs.

1,521,580. BILLIARD-CUE CHALKER. JOSEPH GEAT, Missoula, Mont., assignor to Joseph S. Kessler and Archibald Arthur Langlois, both of Missoula, Mont. Filed Dec. 13, 1922. Serial No. 606,731. 3 Claims. (Cl. 46-8.)



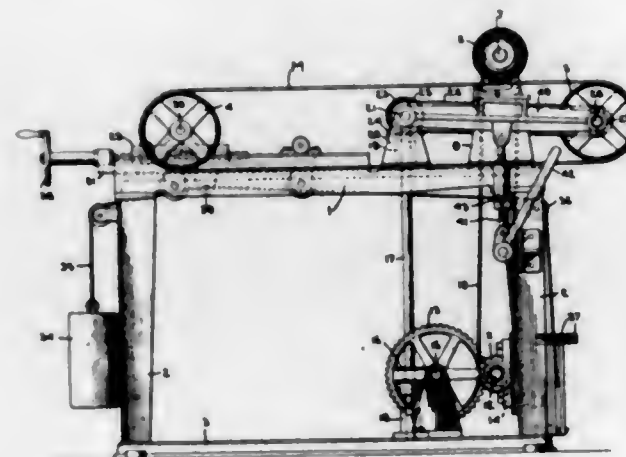
1. In combination, an adjustable bracket including a stem, a pair of telescopically associated members, one of which is provided with a spiral groove and the other with a lug engageable with the groove, the inner member being attached to said stem, a spring coiled about the stem and having one end engaged with the stem and the other end engaged with the other member, and a chalk holder disposed in one end of the outer member so that when a cue stick is pressed against chalk held in the chalk holder the outer member will be telescoped over the inner member and rotated thereby unwinding the spring and at the same time expanding the same and thus when the cue stick is disengaged from the chalk in the chalk holder said spring will return the outer member to its initial position.

1,521,581. TRACK CONSTRUCTION. ROBERT H. PHILLIPS, Kensington, Md. Filed May 12, 1923. Serial No. 638,519. 20 Claims. (Cl. 104-144.)



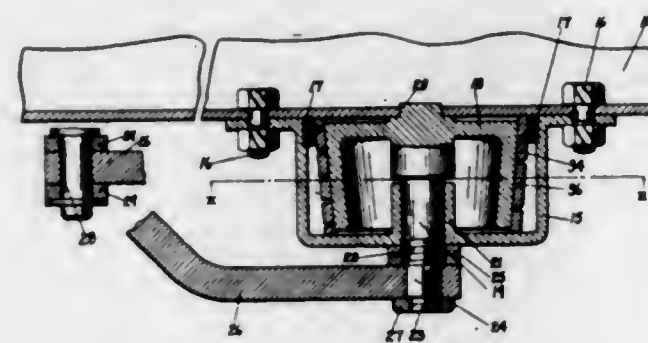
1. In a track construction, the combination of a series of rail bearing yokes and a resilient supporting structure for said yokes having the capability of yielding to permit of a slight bodily movement of the yokes under the weight of the rolling stock.

1,521,582. TREAD-BUFFING MACHINE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 24, 1920. Serial No. 405,706. 5 Claims. (Cl. 15-40.)



4. A machine adapted for buffing tread bands comprising, a support, a buffing device upon the support, and means for supporting and feeding a band against the device adapted to exert a yielding tension on the band, said means being adjustable toward and from the buffing device.

1,521,583. RECOIL CHECK. EDMUND B. WHITCOMB, Brooklyn, N. Y., assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 18, 1919. Serial No. 290,999. Renewed May 26, 1924. 5 Claims. (Cl. 188-130.)

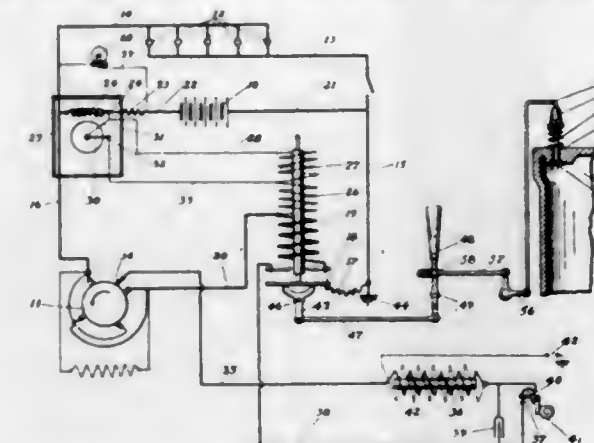


1. In a device of the class described, relatively movable members, one of which is provided with a conical surface, a spiral friction element adapted to engage the conical surface of the one member and having means, normally detached, on one end adapted to engage with the other relatively movable member for the purpose of retarding the relative movement of the members in one direction.

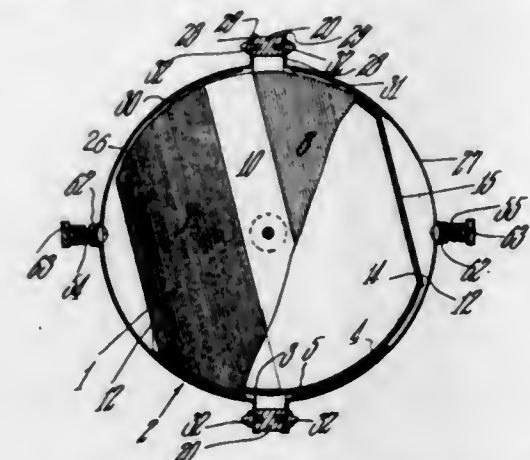
1,521,584. BATTERY CHARGING AND DISCHARGING SYSTEM. HENRY R. DAVIES, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 8, 1919. Serial No. 288,506. 7 Claims. (Cl. 177-311.)

6. In an electrical charging and power system, the combination of a dynamo electric machine, a storage battery adapted to supply current to operate the dynamo electric machine as a motor, and to receive charging current from the dynamo electric machine as a generator, an electric meter connected in series with the battery and dynamo electric machine, and current indicating

means connected in parallel to the meter and in series with the battery, adapted to give continuous indication when current flows from the battery to the dynamo electric machine.

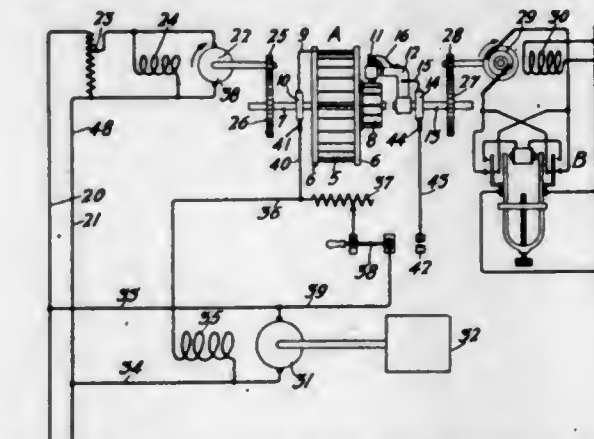


1,521,585. VARIOMETER. TERRENCE G. LOUIS, Springfield, Mass., assignor of one-third to Oscar B. Deane, Jr., and one-third to Charles W. Louis, both of Springfield, Mass. Filed June 9, 1922. Serial No. 567,105. 12 Claims. (Cl. 171-242.)



1. In a variometer, an air-tight casing, an inductance coil supported upon the inside surface of said casing, and a second inductance coil within said casing and movable relatively to the first coil for the purpose of varying the inductance.

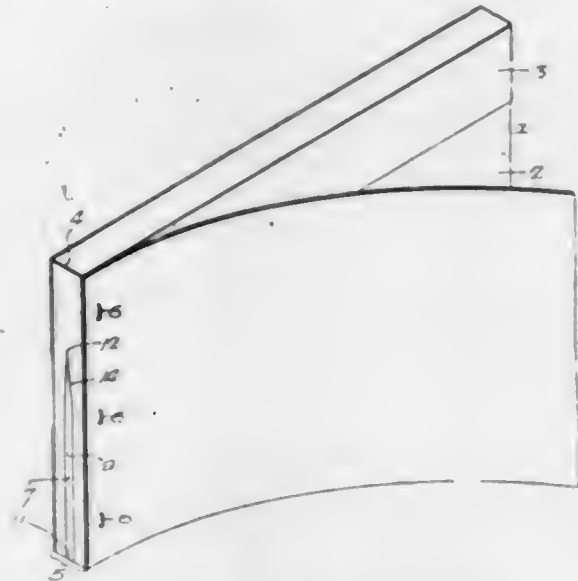
1,521,586. MEANS FOR REGULATING THE VOLTAGE OF DISTRIBUTION SYSTEMS. FRANK W. MEARILL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 17, 1921. Serial No. 470,472. 3 Claims. (Cl. 171-229.)



3. A system for regulating the voltage of a distribution circuit, a source of supply for said circuit, a variable impedance device for controlling the voltage of said

source, said impedance device comprising two rotary elements, a motor responsive to the voltage of the distribution circuit for rotating one of said elements, a motor having a large air-gap characteristic supplied with energy from said distribution circuit for rotating the other element, and regulating means for said last named motor controlled by the variable impedance device whereby both of said motors rotate at the same speed.

1,521,587. BOOKBINDING. CHARLES L. ASAM, Philadelphia, Pa., assignor to Asam Brothers, Incorporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 18, 1924. Serial No. 750,576. 8 Claims. (Cl. 11-1.)

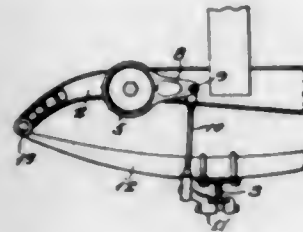


1. A book comprising a plurality of sheets of different width having corresponding ends bound, and means so imbedded in said binding as to compensate for the increased thickness of one portion thereof.

1,521,588. SLIDING CLUTCH. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed July 22, 1918. Serial No. 246,408. 38 Claims. (Cl. 188-130.)

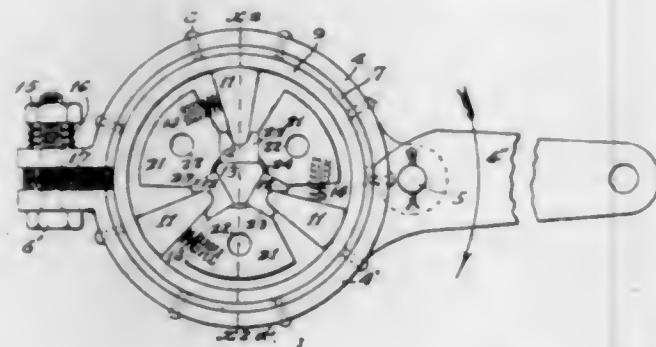
1. A shock absorber comprising a support, a member having a contact face movable relatively to the support, means to limit the width of the space between the contact face of said member and the support, a contact element engaging said contact face, and a non-circular mov-

ing strut adapted and arranged to hold the contact element in contact with such face; said strut being supported at one end by said support and having rolling contact thereon and with the contact element, the two lines of contact at the inner and outer ends of the strut, respectively, lying at all times in a plane, which plane, in



all of its successive positions, makes substantially the same angle with the contact face of said member, and being adapted to produce pressure between the contact face and the contact element upon movement of the face in one direction relative to the support, and to relieve such pressure upon movement in the other direction.

1,521,589. SHOCK ABSORBER. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed Apr. 15, 1919. Serial No. 290,308. 17 Claims. (Cl. 188-130.)



1. A shock absorber comprising a base, an oscillating ring, a creeping ring in frictional engagement with the oscillating ring, and non-circular friction pawls between the base and the creeping ring, adapted to lock the creeping ring relative to the base, upon relative movement of the base and the oscillating ring in one direction, and to release the creeping ring upon the reverse movement, said pawls being so located and formed as to adapt them to maintain a virtually constant angle of thrust in order to compensate for wear.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Aerial Cutlery Manufacturing Co., The, Marinette, Wis. Pocketknives, razors, carving sets, etc. 192,274; Dec. 2; Serial No. 199,735; published Sept. 9, 1924.
- Alabama Packing Company, Birmingham, Ala. Bacon. 192,468-9; Dec. 2.
- Allen, Samuel, doing business as Allen Shoe Co., Boston, Mass. Shoes. 192,493; Dec. 2.
- Allison, Estelle V., New York, N. Y. Dolls. 192,415; Dec. 2; Serial No. 201,169; published Sept. 23, 1924.
- American Catholic Builders Co. (See Kuziak, Edward.)
- American Jewelry Co., The, New York, N. Y. Collar buttons, cuff buttons and links, and snap links. 192,398; Dec. 2; Serial No. 199,202; published Sept. 16, 1924.
- American Numbering Machine Company, New York, N. Y. Numbering machines. 192,492; Dec. 2.
- American Thermos Bottle Company, The, Norwich, Conn. Thermos bottles. 192,452; Dec. 2; Serial No. 198,696; published Sept. 16, 1924.
- American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Sweaters and bathing suits. 192,296; Dec. 2; Serial No. 172,818; published June 10, 1924.
- Andrews Radio Company, Chicago, Ill. Radiotransformers. 192,264; Dec. 2; Serial No. 196,147; published Sept. 16, 1924.
- Andrews Radio Company, Chicago, Ill. Radiotransformers. 192,408; Dec. 2; Serial No. 198,105; published Sept. 16, 1924.
- Anthracite Fuel Corporation, Baltimore, Md. Coal. 192,325-6; Dec. 2; Serial Nos. 198,776-7; published Sept. 16, 1924.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing lures. 192,419; Dec. 2; Serial No. 200,744; published September 23, 1924.
- Asia Company, The, Los Angeles, Calif. Dried seaweed and sea moss. 192,317; Dec. 2; Serial No. 197,527; published Sept. 16, 1924.
- Athletic Tea Company, St. Louis, Mo. Tea, coffee, spices, cocoa, beans, etc. 192,491; Dec. 2.
- Atlanta Paper Company, Atlanta, Ga. Paper and paper bags. 26,398; renewed Apr. 9, 1925.
- Atlantic Mills, Providence, R. I. Woolen, cotton, and woolen and cotton piece goods. 192,342; Dec. 2; Serial No. 200,600; published Sept. 16, 1924.
- Ayrshire Coal Co., Oakland City, Ind. Coal. 192,489; Dec. 2.
- Azherlan, V. H., Turlock, Calif. Fresh cantaloupes. 192,256; Dec. 2; Serial No. 199,141; published Sept. 16, 1924.
- Barker, Helen G., San Francisco, Calif. Crocheted costume for celluloid dolls. 192,445; Dec. 2; Serial No. 199,600; published Sept. 16, 1924.
- Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. Chick mash. 192,429; Dec. 2; Serial No. 200,706; published Sept. 16, 1924.
- Baron, Alexander, Brooklyn, N. Y. Toy watch bracelets and wrist purses. 192,426; Dec. 2; Serial No. 200,416; published Sept. 23, 1924.
- Barry, James F., Dallas, Tex. Razors and blades therefor. 192,303; Dec. 2; Serial No. 192,207; published Sept. 9, 1924.
- Battle Creek Food Company, The, Battle Creek, Mich. Bran. 192,277; Dec. 2; Serial No. 199,771; published Sept. 16, 1924.
- Baum, Frank J., Los Angeles, Calif. Toy animals, figure toys, and dolls. 192,462; Dec. 2; Serial No. 196,898; published Sept. 16, 1924.
- Bayer, Pretzfelder & Mills, Inc., New York, N. Y. Watches. 192,363; Dec. 2; Serial No. 196,363; published Sept. 16, 1924.
- Bechtold, Charles, Brooklyn, N. Y. Dental caps, crowns, and bridges. 192,332; Dec. 2; Serial No. 198,281; published Sept. 9, 1924.
- Becker, Enslabee D., New York, N. Y. Waistcoats, blouses, and dresses. 192,241; Dec. 2; Serial No. 177,541; published Sept. 9, 1924.
- Becker, Sara P., doing business as Becker Chemical Co., Cincinnati, Ohio. Medicine for the treatment of stomach, liver, kidney, and bladder troubles, rheumatism, etc. 192,475; Dec. 2.
- Beckman, Ben, doing business as Beckman's Fur Factory, Los Angeles, Calif. Fur capes, coats, wraps, and neck pieces. 192,370; Dec. 2; Serial No. 194,428; published Sept. 23, 1924.
- Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods made of cotton or of a mixture of cotton and silk or artificial silk. 192,313; Dec. 2; Serial No. 196,003; published June 24, 1924.
- Bestmade Silk Hosiery Co., Shelby, Pa. Silk hosiery. 192,334; Dec. 2; Serial No. 198,171; published Sept. 9, 1924.
- Beth Tatum. (See Powell, Bessie S.)
- Baltimore Preserving Co. (See Moore, William J.)
- Blechman, S., & Sons Inc., New York, N. Y. Clothing. 192,245; Dec. 2; Serial No. 184,158; published Sept. 9, 1924.
- Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 192,346; Dec. 2; Serial No. 200,033; published Sept. 16, 1924.
- Bowman, Geo. H., Co., The, Cleveland, Ohio. Miniature aluminum cooking utensils. 192,439; Dec. 2; Serial No. 199,973; published Sept. 9, 1924.
- Bradshaw, Homer N., Monterey, Calif. Medical tonic. 192,467; Dec. 2.
- Brightson Laboratories, Inc., Newark, N. J. Tubes to serve as detectors, amplifiers, and rectifiers. 192,403; Dec. 2; Serial No. 199,037; published Sept. 16, 1924.
- Buffalo Foundry & Machine Co., Buffalo, N. Y. Calandrias, concentrators, condensers, etc. 192,253; Dec. 2; Serial No. 188,292; published Sept. 9, 1924.
- Cadet Knitting Company, Philadelphia, Pa. Collars for sweaters. 192,265; Dec. 2; Serial No. 199,218; published Sept. 9, 1924.
- California Optical Co., San Francisco, Calif. Ophthalmic lenses. 192,329; Dec. 2; Serial No. 198,614; published Sept. 16, 1924.
- Campanella & Favaro Macaroni Co., Jersey City, N. J. Macaroni. 192,482; Dec. 2.
- Celma Company, The, Toledo, Ohio. Powder cases or containers. 192,284; Dec. 2; Serial No. 195,333; published Sept. 16, 1924.
- Central Scientific Co., Chicago, Ill. Vacuum pumps. 192,437; Dec. 2; Serial No. 200,090; published Sept. 9, 1924.
- Cheney Brothers, South Manchester, Conn. Silk fabrics in the piece. 192,254; Dec. 2; Serial No. 198,504; published Sept. 16, 1924.
- Chesterfield Shirt Company, Louisville, Ky. Men's and boys' dress shirts and men's athletic underwear. 192,263; Dec. 2; Serial No. 199,149; published Sept. 9, 1924.
- Christo Syrup Co. Inc., Richmond, Va. Ginger ale. 192,401; Dec. 2; Serial No. 199,108; published Sept. 23, 1924.
- Clayton, Arthur, Berkeley, Calif. Billiard cues. 192,418; Dec. 2; Serial No. 200,807; published Sept. 23, 1924.
- Climax Specialty Company, St. Louis, Mo. Babies' nightgowns, bands, socks, etc. 192,362; Dec. 2; Serial No. 196,513; published Sept. 23, 1924.
- Cohen Dairy Co., New York, N. Y. Milk, condensed milk, cream, cheese, butter, buttermilk, eggs. 192,461; Dec. 2; Serial No. 197,532; published Sept. 16, 1924.
- Colson Company, The, Elyria, Ohio. Child's two-wheeled vehicle. 192,297-8; Dec. 2; Serial Nos. 170,369-70; published Sept. 16, 1924.
- Consolidated Textile Corporation, New York, N. Y. Alpaca, prints, calicos, etc. 192,295; Dec. 2; Serial No. 178,092; published Sept. 16, 1924.
- Continental Mills, Inc., Philadelphia, Pa. Knitted woolen fabrics in the piece. 192,434; Dec. 2; Serial No. 200,135; published Sept. 16, 1924.
- Coplay Cement Manufacturing Company, Coplay, Pa. Portland cement. 192,373; Dec. 2; Serial No. 192,604; published Sept. 16, 1924.
- Cook, H. C., Company, The, Ansonia, Conn. Hack-saw blades and frames. 192,308; Dec. 2; Serial No. 194,051; published Sept. 9, 1924.
- Cook Paint & Varnish Company, Kansas City, Mo. Mixed paints. 192,360; Dec. 2; Serial No. 196,648; published Sept. 16, 1924.
- Cordner Products Company, assignor to Potato Dog Corporation, Chicago, Ill. Sandwiches. 192,242; Dec. 2; Serial No. 178,715; published Sept. 16, 1924.
- Cordner Products Company, assignor to Potato Dog Corporation, Chicago, Ill. Sandwiches. 192,413-14; Dec. 2; Serial Nos. 201,180-1; published Sept. 23, 1924.
- Cored Bar Corporation, The, Buffalo, N. Y. Cored and solid bars. 192,288-90; Dec. 2; Serial Nos. 191,364-6; published Sept. 16, 1924.
- Corwin, Eugene, New York, N. Y. Artificial maple flavoring for foods. 192,449; Dec. 2; Serial No. 198,936; published Sept. 16, 1924.
- Covert, James C., assignor to Covert Manufacturing Company, West Troy, N. Y. Loop and round-eye harness snaps. 25,882-3; renewed Jan. 15, 1925.
- Cramerton Mills, Incorporated, Cramerton, N. C. Carded and combed cotton yarns. 192,300; Dec. 2; Serial No. 191,420; published June 3, 1924.
- Davis, W. B., & Son, Inc., Fort Payne, Ala. Hosiery. 192,319; Dec. 2; Serial No. 199,045; published Sept. 9, 1924.
- Des Anges, Henry L., doing business as Pop-o-Petrolatum Company, Flushing, N. Y. Intestinal tonic. 192,251; Dec. 2; Serial No. 186,050; published Sept. 16, 1924.
- Detroit Bale Tie Company. (See Treadwell, Laurence E.)
- Devoc & Reynolds Co., Inc., New York, N. Y. Ready-mixed paint. 192,353; Dec. 2; Serial No. 197,721; published Sept. 16, 1924.
- Diamond Braiding Mills, Chicago Heights, Ill. Rubber-covered wire. 192,402; Dec. 2; Serial No. 199,046; published Sept. 16, 1924.

Dictograph Products Corporation, New York, N. Y. Radio switch blocks. 192,404; Dec. 2; Serial No. 198,994; published Sept. 16, 1924.

Dictograph Products Corporation, New York, N. Y. Attachment for utilizing phonographs as radio loud speakers. 192,405; Dec. 2; Serial No. 198,993; published Sept. 16, 1924.

Drake Brothers Co., Brooklyn, N. Y. Cake and macaroons. 192,331; Dec. 2; Serial No. 198,403; published Sept. 16, 1924.

Dreyer, Svenning, Woodcliff, N. J. Candy. 192,247; Dec. 2; Serial No. 184,660; published Sept. 16, 1924.

Dynamo-Electric Works. (See Hickey, Edward R.)

Eastman Kodak Company, Rochester, N. Y. Photographic films. 192,432; Dec. 2; Serial No. 200,483; published Sept. 9, 1924.

Eastman Kodak Company, Rochester, N. Y. Photographic sensitized plates. 192,433; Dec. 2; Serial No. 200,485; published Sept. 9, 1924.

Eastman Kodak Company, Rochester, N. Y. Photographic sensitized plates. 192,435; Dec. 2; Serial No. 200,484; published Sept. 9, 1924.

Easley, J. F. Milling Co., Plainville, Mich. Wheat flour. 192,428; Dec. 2; Serial No. 199,981; published Sept. 23, 1924.

Elmer Candy Co. Inc., New Orleans, La. Candy. 192,477; Dec. 2.

Eureka Woolen Mills, Eureka, Calif. Woven and knitted and netted textile piece goods. 192,252; Dec. 2; Serial No. 187,735; published July 8, 1924.

First Aid Specialty Company, Inc., New York, N. Y. First-aid kits of medicinal and surgical supplies. 192,301; Dec. 2; Serial No. 191,682; published Sept. 9, 1924.

Fischer-Jelenko Inc., New York, N. Y. Lounging gowns, bath robes, beach capes. 192,453; Dec. 2; Serial No. 198,513; published Sept. 16, 1924.

Fisher Governor Company, The, Marshalltown, Iowa. Valves and valve seats. 192,438; Dec. 2; Serial No. 200,042; published Sept. 9, 1924.

Fortune Products Company, Chicago, Ill. Spaghetti, chocolate, edible oils, farina, etc. 192,287; Dec. 2; Serial No. 191,825; published Sept. 16, 1924.

Frances Negligee Company, New York, N. Y. Kimonos and negligees. 192,323-4; Dec. 2; Serial Nos. 198,853-4; published Sept. 9, 1924.

Frank Tea & Spice Co., The, Cincinnati, Ohio. Spices, food-flavoring extracts, prepared mustard, and peanut butter. 192,354; Dec. 2; Serial No. 197,929; published Sept. 16, 1924.

Gaertner Scientific Corporation, The, Chicago, Ill. Measuring telescopes, microscope supports, spherometers, etc. 192,460; Dec. 2; Serial No. 197,535; published Sept. 16, 1924.

Garrett, Le Roy D., doing business as The Sumora Candy Co., Philadelphia, Pa. Candy. 192,441; Dec. 2; Serial No. 199,882; published Sept. 23, 1924.

General Optical Company, Inc., Mount Vernon, N. Y. Chairs and cabinets used in the practice of ophthalmology. 192,315; Dec. 2; Serial No. 197,923; published Sept. 9, 1924.

General Paint and Varnish Company, Chicago, Ill. Paints, varnishes, stains, paint enamels, varnish and paint removers. 192,474; Dec. 2.

General Radio Company, Cambridge, Mass. Standards of resistance, inductance, and capacitance. 192,285; Dec. 2; Serial No. 194,917; published Sept. 16, 1924.

Globe Electric Co., Milwaukee, Wis. Radio sets. 192,358; Dec. 2; Serial No. 197,199; published Sept. 16, 1924.

Goddard Grocer Company, The, St. Louis, Mo. Canned goods, fruit preserves, condiments, etc. 192,380; Dec. 2; Serial No. 181,943; published Sept. 16, 1924.

Gold Seal Jewelers, New York, N. Y. Pearls. 192,378; Dec. 2; Serial No. 184,559; published Sept. 16, 1924.

Goodenow Textiles Company, Kansas City, Mo. Textile-fabric underwear. 192,369; Dec. 2; Serial No. 194,705; published Sept. 16, 1924.

Goodman Automatic Water Heater Co., Inc., Brooklyn, N. Y. Automatic water heater. 192,318; Dec. 2; Serial No. 197,756; published Sept. 16, 1924.

Gordon, Sewall & Co., Inc., Houston, Galveston, and Fort Arthur, Tex. Canned goods, jellies, table syrup, etc. 192,304; Dec. 2; Serial No. 192,527; published Sept. 16, 1924.

Gotham Wireless, Inc., New York, N. Y. Radio receiving sets. 192,392; Dec. 2; Serial No. 199,749; published Sept. 16, 1924.

Graham Paper Company, St. Louis, Mo. Carpet felt. 192,337; Dec. 2; Serial No. 197,878; published Sept. 9, 1924.

Gram Headwear Mfg. Co., St. Louis, Mo. Hats for women and children. 192,387; Dec. 2; Serial No. 163,869; published Sept. 16, 1924.

Greaney, Thomas E., doing business as Standard Neckwear Company, Boston, Mass. Neckties, cravats, and scarfs. 192,397; Dec. 2; Serial No. 199,472; published Sept. 23, 1924.

Gyllenhammar, Oscar L., Gottenborg, Sweden. Meal of rye and other products made of rye. 192,299; Dec. 2; Serial No. 190,836; published May 27, 1924.

H. A. S. Coffee Company, St. Louis, Mo. Coffee. 192,478; Dec. 2.

H. K. H. Silk Co., The, Watertown, Conn. Silk hosiery. 192,487; Dec. 2.

H-O (Hornby's Oat Meal) Company, The, assignor to The H-O Cereal Company, Inc., New York, N. Y. Flour and other cereal products. 26,461; renewed Apr. 23, 1925.

Hammond, G. H. Company, The, Chicago, Ill. Hams, shoulders, sausage, and Frankfort-style sausage. 192,283; Dec. 2; Serial No. 196,165; published Sept. 16, 1924.

Hanf & Ringier, Inc., New York, N. Y. Spices, ground cayenne, cloves, allspice, and nutmeg, etc. 192,399; Dec. 2; Serial No. 199,164; published Sept. 16, 1924.

Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, Calif. Medicinal compound. 192,483-6; Dec. 2.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Mixture of bran and flour. 192,442; Dec. 2; Serial No. 200,763; published Sept. 16, 1924.

Hennepin Mill Company, Minneapolis, Minn. Wheat flour. 192,383; Dec. 2; Serial No. 177,738; published Sept. 23, 1924.

Hercules Powder Company, Wilmington, Del. Turpentine and pine oil. 192,384-5; Dec. 2; Serial Nos. 167,813-14; published Sept. 16, 1924.

Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes, etc. 192,464; Dec. 2.

Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, etc., shoes and all leather articles. 192,494; Dec. 2.

Hilbard, Spencer, Bartlett & Company, Chicago, Ill. Wire belt lacing, casters, washers, nozzles, etc. 192,473; Dec. 2.

Hickey, Edward R., doing business as Dynamo-Electric Works, Los Angeles, Calif. Armatures, magnet chargers, commutators, motors, etc. 192,355; Dec. 2; Serial No. 197,598; published Sept. 16, 1924.

High Grade Mills, Inc., New York, N. Y. Untreated cloths in the piece. 192,490; Dec. 2.

Hockmeyer, Olive E., Lowell, Mass. Leggings, knickerbockers, children's rompers, etc. 192,312; Dec. 2; Serial No. 193,642; published Sept. 9, 1924.

Hollins, William, & Co., Ltd., London and Mansfield, England. Negligee shirts, collars, pyjamas, dressing gowns, etc. 192,388; Dec. 2; Serial No. 161,004; published Sept. 23, 1924.

Horrocks-Ibbotson Co., Utica, N. Y. Fishing line. 192,424; Dec. 2; Serial No. 200,559; published Sept. 23, 1924.

Huber Baking Company, Wilmington, Del. Bread, cakes, pies, buns, and rolls. 192,366; Dec. 2; Serial No. 195,963; published Sept. 23, 1924.

Hughes, R. M., & Co., Louisville, Ky. Synthetic drinks and fruit juices for beverage purposes. 192,376; Dec. 2; Serial No. 185,465; published Sept. 23, 1924.

Hutchison, Miller R., New York, N. Y. Device for attaching to telephone receiver. 192,395; Dec. 2; Serial No. 199,483; published Sept. 16, 1924.

Hutchison, Miller R., New York, N. Y. Silencing device to go over telephone mouthpieces. 192,396; Dec. 2; Serial No. 199,482; published Sept. 16, 1924.

Hydrox Corporation, Chicago, Ill. Ginger ale and sloop for making same. 192,271; Dec. 2; Serial No. 199,620; published Sept. 16, 1924.

Ilex Optical Company, Rochester, N. Y. Photographic lenses and lens mountings. 192,451; Dec. 2; Serial No. 198,747; published Sept. 16, 1924.

International Grenfell Association, Inc., St. Johns, Newfoundland. Skin boots, moccasins, shoes, hooded jackets, knickers. 192,294; Dec. 2; Serial No. 180,866; published Sept. 16, 1924.

International Milling Company, Minneapolis, Minn. Wheat flour. 192,407; Dec. 2; Serial No. 198,309; published Sept. 23, 1924.

International Milling Company, Minneapolis, Minn. Wheat flour. 192,420; Dec. 2; Serial No. 200,885; published Sept. 23, 1924.

International Safety Razor Corporation, Bloomfield, N. J. Safety-razor blades. 192,333; Dec. 2; Serial No. 198,188; published Sept. 9, 1924.

Ipswich Mills, Boston, Mass. Hosiery. 192,262; Dec. 2; Serial No. 199,116; published Sept. 9, 1924.

Irish Linen-Silk Company, assignor to A. A. Schuman, Cincinnati, Ohio. Clothing. 192,352; Dec. 2; Serial No. 197,940; published Sept. 16, 1924.

Janes, Andromeda, Washington, D. C. Candy. 192,480; Dec. 2.

Jennings Silver Co., Irvington, N. J. Coffeepots, sugar bowls, cream pitchers, etc. 192,372; Dec. 2; Serial No. 192,618; published Sept. 16, 1924.

Jewell Nursery Company, Lake City, Minn. Nursery stock. 192,244; Dec. 2; Serial No. 183,486; published Sept. 9, 1924.

Jewettville Clay Products Company, Inc., Jewettville, N. Y. Brick. 192,316; Dec. 2; Serial No. 197,485; published Sept. 9, 1924.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Pigment paste. 192,450; Dec. 2; Serial No. 197,942; published Sept. 16, 1924.

Joy Machine Company, Franklin, Pa. Loading machines. 192,348; Dec. 2; Serial No. 199,841; published Sept. 16, 1924.

Joy Wear, New York, N. Y. Negligees, breakfast coats, kimonos, bed jackets, etc. 192,311; Dec. 2; Serial No. 193,003; published Sept. 9, 1924.

Judd, Francis L., Rye, N. Y. Induction coils and inductance coupling devices. 192,393; Dec. 2; Serial No. 199,629; published Sept. 16, 1924.

Kakao-Kompagnie Theodor Reichardt Gesellschaft mit beschränkter Haftung, Wandsbek-Hamburg, Germany. Cocoa and chocolate. 192,379; Dec. 2; Serial No. 183,378; published Sept. 16, 1924.

Kasco Mills, Inc., Waverly, N. Y. Poultry feed. 192,248; Dec. 2; Serial No. 158,874; published Sept. 16, 1924.

Kaufman, Wolff, Paterson, N. J. Induction coils and other coils for use in connection with radio telephone and telegraph apparatus. 192,381; Dec. 2; Serial No. 179,152; published Sept. 16, 1924.

Kay-White Products, Inc., New York, N. Y. Caramel paste, nougat cream, marshmallow topping, etc. 192,240; Dec. 2; Serial No. 176,478; published Sept. 16, 1924.

Keene-Bevidere Canning Company, Belvidere, Ill. Canned peas and corn. 192,421; Dec. 2; Serial No. 200,797; published Sept. 23, 1924.

Kilbourne & Clark Mfg. Co., Seattle, Wash. Radio apparatus and supplies. 192,338; Dec. 2; Serial No. 194,714; published Sept. 16, 1924.

Kirn-Reincke Company, Inc., New York, N. Y. Figure toys. 192,423; Dec. 2; Serial No. 200,720; published Sept. 23, 1924.

Kuzick, Edward, doing business as American Catholic Builders Co., New York, N. Y. Cement composition. 192,302; Dec. 2; Serial No. 191,888; published Sept. 9, 1924.

Lamb Washing Machine Co., Chicago, Ill. Washing and centrifugal wringing machines. 192,389; Dec. 2; Serial No. 199,945; published Sept. 16, 1924.

Lang, Frank, Buffalo, N. Y. Smoked meats, butter, eggs, etc. 192,306; Dec. 2; Serial No. 193,603; published Sept. 16, 1924.

LasSar, Edward L., doing business as Pretty Baby Hosiery Co., Cleveland, Ohio. Hosiery, underwear, etc. 192,204; Dec. 2; Serial No. 199,171; published Sept. 9, 1924.

Lebers, Ernest, New York, N. Y. Eggs, butter, and cheese. 192,339; Dec. 2; Serial No. 194,719; published Sept. 23, 1924.

Lelter, Geo. H., Norristown, Pa. Parlor board game. 192,425; Dec. 2; Serial No. 200,502; published Sept. 23, 1924.

Leland, Hubert E., New York, N. Y. Dolls. 192,412; Dec. 2; Serial No. 201,247; published Sept. 23, 1924.

Leonard & Barrows, Middleboro and Boston, Mass. Rubber heels. 192,291; Dec. 2; Serial No. 183,928; published Sept. 16, 1924.

Lesnovey, Isadore L., New York, N. Y. Bloomers, pantsuits, and knickers. 192,444; Dec. 2; Serial No. 199,753; published Sept. 16, 1924.

Lindahl, Anders, Stockholm, Sweden. Lemonade, soft drinks, and essences and extracts therefor. 192,427; Dec. 2; Serial No. 200,398; published Sept. 23, 1924.

Lodder, A., Provision Company, Inc., Renning, D. C. Hams, bacon, sausage, pork puddings, etc. 192,336; Dec. 2; Serial No. 197,886; published Sept. 16, 1924.

Lovell & Christmas, (U. S. A.) Limited, New York, N. Y. Butter and cheese. 192,255; Dec. 2; Serial No. 199,070; published Sept. 16, 1924.

Lovell & Christmas, (U. S. A.) Limited, New York, N. Y. Butter and cheese. 192,259-60; Dec. 2; Serial Nos. 199,071-2; published Sept. 16, 1924.

Lundt & Company, Inc., New York, N. Y. Brushes for cleaning automobiles, etc. 192,275; Dec. 2; Serial No. 199,755; published Sept. 16, 1924.

Macy, R. H., & Co., Inc., New York, N. Y. Men's athletic underwear. 192,344; Dec. 2; Serial No. 200,333; published Sept. 16, 1924.

Madelaine Vionnet Models, Inc., New York, N. Y. Gowns, suits, dresses, coats, etc. 192,309-10; Dec. 2; Serial Nos. 194,725-6; published Sept. 9, 1924.

Madison Woolen Co., Madison, Mo. Woolen piece goods. 192,281; Dec. 2; Serial No. 196,535; published Sept. 9, 1924.

Manco Mills. (See Mandel & Cohen.)

Mandel & Cohen, doing business as Manco Mills, New York, N. Y. Hosiery. 192,356; Dec. 2; Serial No. 197,383; published Sept. 16, 1924.

Marr, H. A., Grocery Co., The, Denver, Colo. Canned vegetables and fruits, spices, breakfast cereals, flour, etc. 192,293; Dec. 2; Serial No. 181,299; published Nov. 27, 1923.

Marshall Maltmolk Co., Inc., Brooklyn, N. Y. Food product. 192,454; Dec. 2; Serial No. 198,463; published Sept. 16, 1924.

McClellan, Katherine, Decatur, Ill. Beef, pork, dried beef, onions, carrots, etc. 192,282; Dec. 2; Serial No. 196,399; published Sept. 16, 1924.

McLellan Stores Company, New York, N. Y. Hosiery. 192,261; Dec. 2; Serial No. 199,075; published Sept. 9, 1924.

McMorran, David, Port Huron, Mich. Dry powder cooked soup stock. 192,257; Dec. 2; Serial No. 199,177; published Sept. 16, 1924.

Meler, Louis, Detroit, Mich. Gears. 192,272; Dec. 2; Serial No. 199,641; published Sept. 9, 1924.

Milne, Charles A., doing business as Milne Manufacturing Company, Detroit, Mich. Exercising device for the feet. 192,436; Dec. 2; Serial No. 200,337; published Sept. 16, 1924.

Mitchell, William G., doing business as R. Mitchell Company, Boston, Mass. Radio circuit switches, variometers, variocouplers, etc. 192,357; Dec. 2; Serial No. 197,209; published Sept. 16, 1924.

Model Brassiere Co., Inc., New York, N. Y. Water and air resisting fabric for brassieres, etc. 192,278; Dec. 2; Serial No. 199,796; published Sept. 16, 1924.

Moore, William J., doing business as Biltmore Preserving Co., Knoxville, Tenn. Mayonnaise, Russian dressing, Melba sauce, etc. 192,347; Dec. 2; Serial No. 200,004; published Sept. 16, 1924.

Morris, Mann & Reilly, Inc., Chicago, Ill. Necklaces. 192,361; Dec. 2; Serial No. 196,606; published Sept. 16, 1924.

Mouradick, Thomas, Lone Star, Calif. Grapes. 192,243; Dec. 2; Serial No. 183,341; published Sept. 16, 1924.

Moyes & Sons, Inc., New York, N. Y. Woolen piece goods. 192,345; Dec. 2; Serial No. 200,056; published Sept. 16, 1924.

Muller, Franklin R., Inc., Waukegan, Ill. Stucco, composition flooring, magnesite flooring, etc. 192,400; Dec. 2; Serial No. 199,124; published Sept. 16, 1924.

Munn, A. R., Inc., Atlanta, Ga. Laxative compound and tonic and nerve food. 192,472; Dec. 2.

Munro, Harold W., Providence, R. I. Balls, tennis balls, baseballs, golf balls, etc. 192,267; Dec. 2; Serial No. 199,288; published Sept. 16, 1924.

Muskogee Wholesale Grocer Company, Muskogee, Okla. Canned salmon, jelly, jam, cocoa, etc. 192,481; Dec. 2.

Nelson Knitting Company, Rockford, Ill. Hosiery. 192,268; Dec. 2; Serial No. 199,293; published Sept. 9, 1924.

Nestor Johnson Manufacturing Company, Chicago, Ill. Ice skates. 192,471; Dec. 2.

Newton, Chambers & Co. Limited, Thorncliffe, England. Insecticides. 25,854; renewed Jan. 8, 1925.

Niagara Falls Milling Company, Buffalo, N. Y. Wheat flour. 192,340; Dec. 2; Serial No. 198,534; published Sept. 16, 1924.

Northwestern Motor Company, Eau Claire, Wis. Railway motor cars. 192,335; Dec. 2; Serial No. 198,026; published Sept. 9, 1924.

Old Road Street Outfitters, Ltd., Atlantic City, N. J. Topcoats, sport suits, leather gloves, etc. 192,286; Dec. 2; Serial No. 191,878; published Sept. 16, 1924.

Original Monk Malt Co. Not Inc., Chicago, Ill. Malt extract. 192,450; Dec. 2; Serial No. 198,881; published Sept. 16, 1924.

Pearson, Joseph W., doing business as The J. W. Pearson Paint & Varnish Company, Los Angeles, Calif. Paints and paint enamels. 192,455; Dec. 2; Serial No. 198,324; published Sept. 16, 1924.

Pennsylvania Flooring and Manufacturing Co., Philadelphia, Pa. Lumber. 192,440; Dec. 2; Serial No. 199,901; published Sept. 9, 1924.

Pepo-Petroleum Company. (See Des Anges, Henry L.)

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 192,320; Dec. 2; Serial No. 198,958; published Sept. 9, 1924.

Pittsburgh Crushed Steel Co. Ltd., assignor to Pittsburgh Crushed Steel Company, Pittsburgh, Pa. Crushed steel. 26,470; renewed Apr. 23, 1925.

Pittsburgh Crushed Steel Co. Ltd., assignor to Pittsburgh Crushed Steel Company, Pittsburgh, Pa. Crushed steel, rouge and putty powder. 26,471-2; renewed Apr. 23, 1925.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Cement. 192,246; Dec. 2; Serial No. 184,419; published Sept. 9, 1924.

Play-Box Co. (See Sinder, Jay J.)

Potato Dog Corporation. (See Corder Products Company, assignor.)

Powell, Bessie S., doing business as Beth Tatum, Los Angeles, Calif. Marmalade, candy, fruit, etc. 192,327; Dec. 2; Serial No. 198,760; published Sept. 16, 1924.

Pretty Baby Hosiery Co. (See LasSar, Edward L.)

Price Hollister Co., The, Rockford, Ill. Transmissions for motor vehicles. 192,446; Dec. 2; Serial No. 199,319; published Sept. 16, 1924.

Prichett & Gold and E. P. S. Company, Limited, London, England. Storage battery and acid-proof boxes, cases, etc. 192,374; Dec. 2; Serial No. 192,268; published Sept. 16, 1924.

Pyramid Playing Card Co., Inc., Brooklyn, N. Y. Playing cards. 192,409-11; Dec. 2; Serial Nos. 201,258-60; published Sept. 23, 1924.

Rader Appliance Co., Inc., New York, N. Y., and West New York, N. J. Apparatus for filtering electric currents. 192,391; Dec. 2; Serial No. 199,761; published Sept. 16, 1924.

Radio Corporation of America, New York, N. Y. Radio receiving sets. 192,359; Dec. 2; Serial No. 196,970; published Sept. 16, 1924.

Radio Panel & Parts Corp., New York, N. Y. Parts used particularly in radiowork. 192,367; Dec. 2; Serial No. 195,073; published Sept. 16, 1924.

Rambo, James H., Mattituck, N. Y. Fresh seed potatoes. 192,479; Dec. 2.

Randles, John, Inc., New York, N. Y. Rice. 192,430-1; Dec. 2; Serial Nos. 200,640-1; published Sept. 16, 1924.

Raucci, Attilio, doing business as The Raucci Company, Pleasanton, Calif. Grape sirup. 192,406; Dec. 2; Serial No. 198,762; published Sept. 23, 1924.

Redden, G. T. & Company, Denton, Md. Canned vegetables. 192,882; Dec. 2; Serial No. 178,671; published Sept. 16, 1924.

Regal Shoe Company, Portland, Me., and Boston, Mass. Boots and shoes. 192,239; Dec. 2; Serial No. 170,088; published July 22, 1924.

Reinforced Concrete Company, St. Louis, Mo. Socket inserts, continuous stirrups, and centering for reinforced concrete. 192,328; Dec. 2; Serial No. 198,679; published Sept. 9, 1924.

Reinhard Electric Motor Company, The, Cleveland, Ohio. Electric motors. 192,394; Dec. 2; Serial No. 199,574; published Sept. 16, 1924.

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 192,470; Dec. 2.

Robinson, Wm. C. & Son Co., Baltimore, Md. Oil for flushing crank cases of internal-combustion engines. 192,292; Dec. 2; Serial No. 181,313; published Sept. 16, 1924.

Rockhill Coal and Iron Company, Robertsdale and Philadelphia, Pa. Bituminous coal. 192,322; Dec. 2; Serial No. 198,885; published Sept. 16, 1924.

Rosenblatt, Louis C., New York, N. Y. Ladies' frocks. 192,321; Dec. 2; Serial No. 198,886; published Sept. 9, 1924.

Rothbaum, Julius, New York, N. Y. Fur collars, cuffs, and trimmings and ladies' fur coats. 192,459; Dec. 2; Serial No. 197,620; published Sept. 16, 1924.

Rothstein, Maurice, Johnstown, Pa. Rosaries. 192,351; Dec. 2; Serial No. 197,960; published Sept. 16, 1924.

Royal Kiddy Ware Co., Inc., New York, N. Y. Infants' wear. 192,377; Dec. 2; Serial No. 184,764; published Sept. 23, 1924.

Royal Ventilator Company, Philadelphia, Pa. Ventilators. 192,276; Dec. 2; Serial No. 199,764; published Sept. 9, 1924.

Rumford Chemical Works, Providence, R. I. Dough assistant consisting of an edible product. 192,458; Dec. 2; Serial No. 197,621; published Sept. 16, 1924.

Russian Food Products Company, Inc., The, New York, N. Y. Canned caviar. 192,476; Dec. 2.

Sands & Ross, Inc., New York, N. Y. Cotton padding used on laundry machines. 192,341; Dec. 2; Serial No. 200,782; published Sept. 16, 1924.

Schaefer, Charles, deceased, by Charles Schaefer and Fred W. Schaefer, executors, and Mrs. Louise Schaefer, executrix, Brooklyn, N. Y., doing business as Chas. Schaefer & Son. Corn meal, wheat flour, scratch feed, etc. 192,465; Dec. 2.

Schell Manufacturing Company, Inc., Chicago, Ill. Heel supports and pads. 192,266; Dec. 2; Serial No. 199,250; published Sept. 9, 1924.

Schremp, Edward J., Rochester, N. Y. Knitted underwear and bathing suits. 192,314; Dec. 2; Serial No. 196,480; published Sept. 9, 1924.

Schuman, Abraham A. (See Irish Linen-Silk Company, assignor).

Shane, C. B. Co., Chicago, Ill. Raincoats and topcoats. 192,386; Dec. 2; Serial No. 165,569; published Sept. 23, 1924.

Shapiro & Aronson, Inc., New York, N. Y. Electric lighting fixture parts. 192,375; Dec. 2; Serial No. 191,915; published Sept. 16, 1924.

Smoller, Jay J., doing business as Play-Box Co., Framingham, Mass. Game of chance. 192,466; Dec. 2.

South Bend Unit Co., South Bend, Ind. Fishing baits and lures. 192,422; Dec. 2; Serial No. 200,585; published Sept. 23, 1924.

Squillante, Vincent J., doing business as James Squillante, New York, N. Y. Olive oil. 192,280; Dec. 2; Serial No. 196,683; published Sept. 16, 1924.

Standard Neckwear Company. (See Greaney, Thomas E.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Cinelli, G., Company, Tacoma, Wash. Cinelli's. For Sardines. 27,899; Dec. 2.

Golddeen, Harry B., doing business as Marvel Cosmetic Co., Chicago, Ill. Cosmo. For Hairdressing. 27,900; Dec. 2.

Henry-Brown Company, Inc., Glendale, Calif. Glendale punch. For punch. 27,901; Dec. 2.

Loewen, Jacob D., Hillsboro, Kans. Loewen's Magic Cleanser. For Cleaning Compound. 27,902; Dec. 2.

Marvel Cosmetic Co. (See Golddeen, Harry B.)

Mattel, A., Fresno, Calif. Mattevista. For Grapes. 27,903; Dec. 2.

Minnesota Co-Operative Creameries Association, Inc., St. Paul and Minneapolis, Minn. Land O'Lakes Makes Every Meal a Banquet. For Butter. 27,904; Dec. 2.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Eskimo Pie Corporation, Chicago, Ill. Eskimo Pie. For Chocolate-Coated Ice-Cream Bars. 7,600; Dec. 2.

Stanley Works, The, New Britain, Conn. Try-squares, rules, and levels. 192,279; Dec. 2; Serial No. 196,834; published Sept. 2, 1924.

Stanley Works, New Britain, Conn. Hammers, saws, bit braces, etc. 192,463; Dec. 2; Serial No. 196,835; published Sept. 2, 1924.

Stein, Fred W., Atchison, Kans. Radio crystal rectifiers. 192,365; Dec. 2; Serial No. 195,993; published Sept. 16, 1924.

Strawbridge & Clothier, Philadelphia, Pa. Misses' leather shoes. 192,488; Dec. 2.

Sumora Candy Co., The. (See Garrett, Le Roy D.)

Swift and Company, Chicago, Ill. Fresh and cured pork and sausage. 192,258; Dec. 2; Serial No. 199,585; published Sept. 16, 1924.

Taunton-New Bedford Copper Company, Taunton, Mass. Sheets of brass or copper or alloy thereof, bronze sheets or rods, etc. 192,443; Dec. 2; Serial No. 199,865; published Sept. 9, 1924.

Trendwell, Laurence E., doing business as Detroit Bale Tie Company, Detroit, Mich. Bale ties. 192,447; Dec. 2; Serial No. 199,196; published Sept. 16, 1924.

Trinidad Creamery Co., The, Trinidad, Colo. Creamery butter. 192,417; Dec. 2; Serial No. 201,116; published Sept. 23, 1924.

Turner & Seymour Manufacturing Co., The, Torrington, Conn. Lead-melting pots, hand ladles, and molds. 192,305; Dec. 2; Serial No. 193,142; published July 22, 1924.

Turner & Walls, New York, N. Y. Piece goods of silk, cotton, and mixtures thereof. 192,343; Dec. 2; Serial No. 200,535; published Sept. 16, 1924.

Tuttle, Orley C., Old Forge, N. Y. Carrying straps for creels and pack-basket harness. 192,368; Dec. 2; Serial No. 191,960; published Sept. 16, 1924.

Tuttle, R. M., doing business as R. M. Tuttle Popcorn Company, Spencer, Iowa. Raw pop corn. 192,273; Dec. 2; Serial No. 199,726; published Sept. 16, 1924.

U. S. Sales Distributing Corporation, Duluth, Minn. Electrically operated and lighted stop and direction signals for vehicles. 192,371; Dec. 2; Serial No. 193,197; published Sept. 16, 1924.

Ulmann, Bernhard & Co., assignor to Bernhard Ulmann Co., Inc., New York, N. Y. Yarns. 20,016; renewed Feb. 12, 1925.

Ulmann, Bernhard, Co., Inc., New York, N. Y. Stuffed playthings and foundation materials. 192,448; Dec. 2; Serial No. 199,135; published Sept. 16, 1924.

Universal Optical Corporation, Providence, R. I. Spectacles, eyeglasses, goggles, etc. 192,249-50; Dec. 2; Serial Nos. 161,906-7; published Dec. 19, 1922.

Ut Juice Company, Tustin, Calif. Grape juice. 192,270; Dec. 2; Serial No. 199,408; published Sept. 16, 1924.

Voigt, William A., Toledo, Ohio. Dental cement. 192,269; Dec. 2; Serial No. 199,333; published Sept. 9, 1924.

Walsh, Mae L., Hartford, Conn. Knitted or textile underwear. 192,330; Dec. 2; Serial No. 198,436; published Sept. 9, 1924.

Washburn Company, The, Worcester, Mass. Chains. 192,457; Dec. 2; Serial No. 197,640; published Sept. 16, 1924.

Washburn Crosby Company, Minneapolis, Minn. Self-rising wheat flour. 192,416; Dec. 2; Serial No. 201,166; published Sept. 23, 1924.

Washington, George, Stone Corporation, Alexandria, Va. Building stone. 192,349-50; Dec. 2; Serial Nos. 199,811-12; published Sept. 9, 1924.

Whitman Corporation, The, Philadelphia, Pa. Receptacles for confections. 192,390; Dec. 2; Serial No. 199,814; published Sept. 23, 1924.

Widlar Company, The, Cleveland, Ohio. Sandwich spread. 192,397; Dec. 2; Serial No. 193,976; published Sept. 16, 1924.

Naughtin, T. F., Co., Omaha, Nebr. Cream Of The West. For Bread. 27,905; Dec. 2.

Omak Fruit Growers, Omak, Wash. Omak. For Fresh Apples. 27,906; Dec. 2.

Red Fox Orchards, Orange, Calif. Mohican. For Oranges. 27,907; Dec. 2.

Santiago Orange Growers Association, Orange, Calif. Searchlight. For Valencia Oranges. 27,908; Dec. 2.

Schenk, F. & Sons Company, Wheeling, W. Va. Springdale. For Butter. 27,909; Dec. 2.

Superior Biscuit Company, Seattle, Wash. Red Arrow. For Salted Wafers. 27,910; Dec. 2.

Utah Canning Company, The, Ogden, Utah. Hallowe'en. For Canned Tomatoes. 27,911; Dec. 2.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S De Forenede Bryggerier, Copenhagen, Denmark. Malt beverages. 194,886; Dec. 2.

A/S De Forenede Bryggerier, Copenhagen, Denmark. Malt extracts. 194,387; Dec. 2.

Abo, Bulch, Boston, Mass. Character-containing pieces or game blocks similar to dominoes. 181,159; Dec. 2.

Acme Products Company, New Orleans and De Quincy, La. Pine oil. 200,698; Dec. 2.

Advertising Agencies Corporation, New York, N. Y. Order blanks. 174,717; Dec. 2.

Alexander, Elliot R., doing business as Alexander Laboratories, Kansas City, Mo. Liquid chemical compound to prevent obscuration of glass. 189,749; Dec. 2.

Altman Bros. & Freedman, Fresno, Calif. Fresh grapes. 200,170; Dec. 2.

Amend, Joseph E., Appleton, Wis. Beverage formed of malt, milk, etc. 170,174; Dec. 2.

American Chain Ladder Company. (See Bryant, Frederic J.)

American Lead Pencil Company, New York, N. Y. Colored crayons. 202,918-20; Dec. 2.

American Packing Company, Everett, Wash. Canned salmon. 190,143; Dec. 2.

Anderson, Wm., Textile Mfg. Co., Inc., New York, N. Y. Mercerized-finished woven cotton poplin broadcloth in the piece. 202,235; Dec. 2.

Angelo Bros. Limited, Calcutta, British India. Gum shellac, orange shellac, button lac, and garnet lac. 195,620; Dec. 2.

Araujo & Bastos Lda., Lisbon and Setubal, Portugal. Sardines in oil. 189,838; Dec. 2.

Baach, J., Company, Chicago, Ill. Ladies' and children's bloomers. 203,929; Dec. 2.

Baker Paint & Varnish Co., Jersey City, N. J. Ready-mixed paints, etc. 204,002-3; Dec. 2.

Balkan Cigarette Co., Limited, The, London, England. Cigarettes. 201,172; Dec. 2.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Artificial-silk knitted cloth. 201,875; Dec. 2.

Barbara Fritchie Chocolate Shop. (See Cramer, Ammon B.)

Bates Manufacturing Company, Lewiston, Me. Bedspreads. 198,445; Dec. 2.

Beaver Products Company, Inc., The, Buffalo, N. Y. Prepared roofing. 203,159; Dec. 2.

Beaver Products Company, Inc., The, Buffalo, N. Y. Prepared roofing. 203,161; Dec. 2.

Benn, Joseph, Corporation, doing business as Greystone Mills, Greystone, R. I., and New York, N. Y. Yarns. 204,301; Dec. 2.

Black Coal Company, The, Meyersdale, Pa. Coal. 204,006; Dec. 2.

Block, Louis M., doing business as Block Manufacturing Co., New York, N. Y. Nursing nipples. 203,160; Dec. 2.

Blumenkranz, Abraham, doing business as Blum's Liniment Co., New York, N. Y. Liniment. 189,608; Dec. 2.

Blum's Liniment Co. (See Blumenkranz, Abraham.)

Bonwit, Teller & Company, New York, N. Y. Perfume and toilet water. 203,366; Dec. 2.

Boott Mills, Lowell, Mass. Cotton cloth, towels, and toweling. 191,217; Dec. 2.

Boykin's, Dr. William Rutherford, Modern Medical Beauty College, Baltimore, Md. Preparation for treating the scalp. 200,352; Dec. 2.

Brenton & Company, Rochester, N. Y. Can openers. 201,428; Dec. 2.

Brewer, Frederick C., Los Angeles, Calif. Mats to insure safe footing in baths, showers, and like places. 202,737; Dec. 2.

Breyer Ice Cream Company, Philadelphia, Pa., and New York, N. Y. Fresh milk. 203,508; Dec. 2.

Britton Brothers, Mishawaka, Ind. Viscous and plastic compositions for application to wood, etc. 203,163; Dec. 2.

Bryant, Frederic J., doing business as American Chain Ladder Company, New York, N. Y. Chain ladders. 202,738; Dec. 2.

Buckingham, G. R., Delano, Calif. Fresh grapes. 201,608; Dec. 2.

Burdette-Murray Company, The, Cleveland, Ohio. Drawing paper and pads. 168,668; Dec. 2.

Carolina Beverage Company, Salisbury, N. C. Beverage sold as a soft drink. 202,657; Dec. 2.

Carr Fastener Company, Cambridge, Mass. Large snap fasteners. 186,351; Dec. 2.

Cartier, M. N., & Sons Company, Providence, R. I. Roofing materials. 201,076; Dec. 2.

Central Specialty Products Company, Navarre, Kans. Food-flavoring extracts. 200,308; Dec. 2.

Central Stamping Co., Detroit, Mich. Radioshutters, steering-post braces, and spark and throttle extensions. 184,936; Dec. 2.

Carr, Floyd D., Chicago, Ill. Automobile bumpers. 203,164; Dec. 2.

Chas-O-Tone Co., Providence, R. I. Medicinal preparations. 200,245; Dec. 2.

Chief Manufacturing Company, Indianapolis, Ind. Fluff-rug-making machines, rug sizing and stretching machines, variable-speed pulleys, etc. 185,243; Dec. 2.

Chlor-In-Haler Laboratories. (See Davis, Francis E.)

Cimicata, Louis E., doing business as United Confectionery Co., St. Louis, Mo. Sweet variegated coconut. 197,124; Dec. 2.

Climax Rubber Company. (See Stein, Jacob.)

Colman, J. & J., Limited, Norwich and London, England. Preparation of mustard. 201,741; Dec. 2.

Comfort Pillow Corporation, New York, N. Y. Pillows. 201,651; Dec. 2.

Community System Service Corporation, Johnstown, Pa. Blank books and forms. 198,789; Dec. 2.

Cone Sundae Mfg. Co., Kansas City, Mo. Ice-cream cones. 188,149; Dec. 2.

Cramer, Ammon E., doing business as Barbara Fritchie Chocolate Shop, Frederick, Md. Chocolates and bonbons. 185,746; Dec. 2.

Crandall, Benjamin F., doing business as Hi-Power Abrasive Co., Huntington Park, Calif. Metal grinding and lapping compound. 202,330; Dec. 2.

Daggett Chocolate Company, Boston, Mass. Confectionery. 185,204; Dec. 2.

Davis, Albert G., Chipley, Fla. Beverage sold as a soft drink. 203,074; Dec. 2.

Davis, Francis E., doing business as The Chlor-In-Haler Laboratories, Kansas City, Mo. Medicinal preparation for treatment of respiratory disorders. 203,167; Dec. 2.

Delbon, Frank G., Brooklyn, N. Y. Metal shank stiffeners for leather shoes. 192,173; Dec. 2.

Derby Oil Company, Wichita, Kans. Gasoline, kerosene, and lubricating oils. 202,859; Dec. 2.

Detroit Packing Company, Detroit, Mich. Smoked ham and bacon and lard. 187,302; Dec. 2.

Dikeman, Carroll H., Washington, D. C. Nonalcoholic beverages. 201,184; Dec. 2.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw handles, inserted saw teeth, etc. 203,027; Dec. 2.

Dobbs & Co., New York, N. Y. Perfumes, toilet waters, and toilet powders. 203,792; Dec. 2.

Dollar Dry Cleaning Co., Inc., Buffalo, N. Y. Paper bags. 202,797; Dec. 2.

Dryden, Frank W., doing business as Frank W. Dryden & Sons, Baltimore, Md. Lubricating automotive oils and greases. 202,052; Dec. 2.

Duss, Elizabeth V., Burnhams, N. Y. Face cream. 202,492; Dec. 2.

Earnshaw Manufacturing Corporation, Philadelphia, Pa. Refrigerators. 203,028; Dec. 2.

East Moline Soap Manufacturing Co., The, East Moline, Ill. Soaps. 202,441; Dec. 2.

Editorial Research Reports, Washington, D. C. Weekly reports for editorial writers. 200,249; Dec. 2.

Elcar Motor Company, Elkhart, Ind. Automobiles. 202,801; Dec. 2.

Elliot, Clyde E., New York, N. Y. Pictures, motion-picture films, machines for taking and projecting pictures, etc. 200,675; Dec. 2.

Ellis, Patrick, & Company, Evansville and Logansport, Ind. Liniment. 203,725; Dec. 2.

El Paso Sash & Door Company, El Paso, Tex. Packages of wood for manual training and home work. 203,797; Dec. 2.

Evans Lead Co., Charleston, W. Va. Red lead. 202,335; Dec. 2.

Felborn Pharmacal Co., Inc., Brooklyn, N. Y. Bay rum, hair tonic, essence of peppermint, etc. 203,231; Dec. 2.

Fibroe Insulation Company, Valparaiso, Ind. Composite material formed of layers of fibrous material. 197,477; Dec. 2.

Filtrol Company, Los Angeles, Calif. Chemically-treated colloidal clay. 202,982; Dec. 2.

Fitzwater, Walter, doing business as General Products Company, Bradford, Ohio. Soaps, cleansing compounds, and metal polish. 202,336; Dec. 2.

Flitlite Limited, Sydney, Australia, and Cincinnati, Ohio. Metal reflectors and devices for securing the same within a head lamp. 184,331; Dec. 2.

Flora-Reale. (See Hogan, Thomas J.)

Forstmann & Hoffmann Company, Passaic, N. J. Woolen piece goods. 187,925; Dec. 2.

Forstmann & Hoffmann Company, Passaic, N. J. Woolen piece goods. 187,927; Dec. 2.

Forstmann & Hoffmann Company, Passaic, N. J. Woolen piece goods. 187,929; Dec. 2.

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Freydberg Bros. Inc., New York, N. Y. Textile binding strips or ribbons. 193,702; Dec. 2.
 Gaffney, James C., New York, N. Y. Playing cards. 186,471; Dec. 2.
 Galleraul, Alexander, Co., Pittsburgh, Pa. Noodles, macaroni, and spaghetti. 202,583; Dec. 2.
 General Packing Company. (See Reilly, John C., and Northcutt.)
 General Products Company. (See Fitzwater, Walter.)
 Gillinder & Sons, Inc., Philadelphia, Pa. Glass illuminating fixtures. 186,783; Dec. 2.
 Goldberg, Henry M., doing business as Rleck-McJunkin Dairy Company, New Castle, Pa. Ice cream. 163,441; Dec. 2.
 Goldsmith Metal Lath Company, The, Cincinnati, Ohio. Metal lath. 187,158; Dec. 2.
 Grand Rapids Varnish Corporation, Grand Rapids, Mich. Varnish. 202,584-5; Dec. 2.
 Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Inner tubes. 203,311; Dec. 2.
 Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Footballs. 203,413; Dec. 2.
 Greystone Mills. (See Benn, Joseph, Corporation.)
 Gripad Co., Inc., The, New York, N. Y. Sanitary belts. 201,954; Dec. 2.
 Gripite Company, Chicago, Ill. Brake compound and belt dressing. 201,234; Dec. 2.
 Grove, E. W., Company, The, Jacksonville, Fla. Boards for building construction. 202,340; Dec. 2.
 Gyllenhammar, Oscar L., Gottenborg, Sweden. Oatmeal, eye meal, and rolled oats. 190,410-11; Dec. 2.
 Gyllenhammar, Oscar L., Gottenborg, Sweden. Groats of oats and other preparations made of oats. 190,413; Dec. 2.
 Gyllenhammar, Oscar L., Gottenborg, Sweden. Meal of oats and other products made of oats. 190,684; Dec. 2.
 Haas Brothers, San Francisco, Calif. Canned fruits, jams, jellies, etc. 200,680; Dec. 2.
 Hale, Charles, & Bro., Philadelphia, Pa. Rubber half shoes. 201,895; Dec. 2.
 Hall, M., & Bro., San Antonio, Tex. Gingham and chevrons. 201,955; Dec. 2.
 Hammel, Rindler & Co., New York, N. Y. Watch glass and crystals. 204,316; Dec. 2.
 Happiness Candy Stores, Inc., Wilmington, Del., and Long Island City, N. Y. Beverage sold as a soft drink and sirups for making the same. 202,292; Dec. 2.
 Hassett, David, Corporation, New York, N. Y. Jute and cotton rugs. 202,498; Dec. 2.
 Hawley & Hoops, New York, N. Y. Candy. 202,110; Dec. 2.
 Hayes, Raymond, Brookline, Mass. Cotton fabrics impregnated with nonslipping and insect-repelling preparations. 201,029; Dec. 2.
 Hi-Power Abrasive Co. (See Crandall, Benjamin F.)
 Hogan, Thomas L., doing business as Flare-Ready, Syracuse, N. Y. Perfumes, powders, creams, shampoos, etc. 203,036-7; Dec. 2.
 Holtermann, William D., Fort Wayne, Ind. Eggs and live poultry. 198,187; Dec. 2.
 Horowitz, Louis J., doing business as Kleen-A-Skin Laboratory, Brooklyn, N. Y. Skin cream. 202,253; Dec. 2.
 Huston, Bertha, doing business as The Ntrax Laboratory, New York, N. Y. General tonic. 199,889; Dec. 2.
 Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Bottles, jars, flasks, jugs, pots, etc. 167,638; Dec. 2.
 Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Napkins, table cloths, and dollies, etc. 167,640; Dec. 2.
 Idaho Falls Potato Growers, Idaho Falls, Idaho. Potatoes. 187,107; Dec. 2.
 Integrity Paint Co., New Haven, Conn. Paste paint and ready-mixed paint. 202,504; Dec. 2.
 Inter Cities Oil Company, Springfield, Ohio. Lubricating oils and greases. 203,316; Dec. 2.
 Jamieson, R. C., & Co. Limited, Montreal, Quebec, Canada. White lead, paints, pigments, etc. 199,227; Dec. 2.
 Johnson and Lettlich, Inc., San Francisco, Calif. Fruit cake. 191,132; Dec. 2.
 Jones, Vess, doing business as Whiz Company, New York, N. Y. Beverages sold as soft drinks and sirup for making same. 186,381; Dec. 2.
 Kalman, M., Martin, New York, N. Y. Monthly publications. 199,557; Dec. 2.
 Kautenbach & Stephens, Inc., New York, N. Y. Ribbons and broad piece goods. 204,174; Dec. 2.
 Kasnicka, Joseph F., doing business as The Speed Cleaner Co., Chicago, Ill. Appliance for removing spots, stains, etc., from clothing and the like. 188,373; Dec. 2.
 Keefe, Edwin A., Long Beach, N. Y. Peppermint purgative candy. 203,317; Dec. 2.
 Kentonia Coal Company, Cincinnati, Ohio. Coal. 200,396; Dec. 2.
 Keuffel & Esser Company, Hoboken, N. J. Drawing paper, tracing paper and cloth, etc. 199,632; Dec. 2.

Kimberly-Clark Company, Neenah, Wis. Sanitary barber neck strips. 203,576; Dec. 2.
 Kivrizis, Victor, Sedalia, Mo. Nut-candy bar. 189,316; Dec. 2.
 Kleen-A-Skin Laboratory. (See Horowitz, Louis J.)
 Krank, Alfred J., doing business as A. J. Krank Mfg. Co., St. Paul, Minn. Toilet water. 201,066; Dec. 2.
 Kroyer, Grace M., doing business as Motor Meals Company, Los Angeles, Calif. Canned cooked mixed food. 192,179; Dec. 2.
 Lalanne, Charles, Paris, France. Perfumes, toilet-waters, face creams, etc. 183,839; Dec. 2.
 La Suberina, Sociedad Anónima, San Feliu de Guixols, Spain. Compressed cardboard. 200,105; Dec. 2.
 Lawall, Frederick F., doing business as Walk-Ezy Hosiery Co., Philadelphia, N. J. Hosiery. 203,684; Dec. 2.
 Le Blume Import Co., Inc., New York, N. Y. Perfumery. 204,103; Dec. 2.
 Lever Brothers Company, Cambridge, Mass. Soap. 202,874; Dec. 2.
 Levi, Bert, & Co., Inc., New York, N. Y. Silk and cotton piece goods. 200,840; Dec. 2.
 Lewis, Samuel, New York, N. Y. Dustpans. 203,045; Dec. 2.
 Library Bureau, Cambridge, Mass. Indexes and parts thereof. 202,558; Dec. 2.
 Lone Star Fish and Oyster Company, Corpus Christi, Tex. Canned shrimp. 199,705; Dec. 2.
 Mackay, John, and Company Limited, Edinburgh and Glasgow, Scotland, and Newcastle-on-Tyne, England. Preparation for making a nonalcoholic maltless beverage. 187,427; Dec. 2.
 Mains & Grebenstein Inc., New York, N. Y. Cotton piece goods. 203,963; Dec. 2.
 Mallory Hat Company, The, Danbury, Conn. Hats. 201,851; Dec. 2.
 Measure, E. L., Company, Chicago, Ill. Fringes and clips for drapery trimmings. 192,710; Dec. 2.
 Marrow, Joseph, doing business as Popular Hat Co., New York, N. Y. Ladies' hats. 201,361; Dec. 2.
 Marshall Field & Company, Chicago, Ill. Preparation used in curling and waving hair. 203,461; Dec. 2.
 McBride, Eli J., doing business as Sellograph Company, San Francisco, Calif. Vending machines. 202,132; Dec. 2.
 McNair, Henry H., doing business as Novelty Sales Co., St. Paul, Minn. Educational card game. 200,211; Dec. 2.
 Meehan, Gracer Company, St. Louis, Mo. Malt extract for food purposes. 198,660; Dec. 2.
 Melnecke & Company, New York, N. Y. Sputum cups, bedpans, and feeding cups. 190,511; Dec. 2.
 Merkin, M. J., Paint Co., Inc., New York, N. Y. Ready-mixed paint. 190,117; Dec. 2.
 Merkin, M. J., Paint Co., Inc., New York, N. Y. Ready-mixed paint. 190,119; Dec. 2.
 Metro Stations, Inc., Olean, N. Y. Gasoline, motor-lubricating oil, kerosene, and fuel oil. 196,749; Dec. 2.
 Mexl, George G., New York, N. Y. Automatic stamping machines. 198,815; Dec. 2.
 Mini Manufacturing Company, New York, N. Y. Toilet creams. 198,719; Dec. 2.
 Miner-Edgar Company, New York, N. Y. Lubricating oils and greases, kerosene, and gasoline. 186,656; Dec. 2.
 Miner-Edgar Company, New York, N. Y. Coal and wood. 186,657; Dec. 2.
 Molrs, Limited, Halifax, Nova Scotia, Canada. Chocolate candy. 190,462; Dec. 2.
 Monarch Leather Company, Chicago, Ill. Leather. 204,182; Dec. 2.
 Montague City Rod Co., Montague City, Mass.; Brooklyn, N. Y.; and Amherst, Mass. Fishing rods and rods. 203,137; Dec. 2.
 Moore Printing Co., Inc., Newburgh, N. Y. Annual magazine. 202,633; Dec. 2.
 Morley Button Manufacturing Company, Boston, Mass. Golf tees. 203,583; Dec. 2.
 Motor Meals Company. (See Kroyer, Grace M.)
 Myers, F. E., & Bro. Co., The, Ashland, Ohio. Hay tools. 158,783; Dec. 2.
 Nebraska Consolidated Mills Company, Omaha, Ravenna, Hastings, and Grand Island, Nebr. Wheat flour and Graham. 193,349; Dec. 2.
 Nebraska Consolidated Mills Company, Omaha, Nebr. Wheat and Graham flour. 202,674; Dec. 2.
 Nevawet Mfg. Co., New York, N. Y. Waterproof bedding. 199,078; Dec. 2.
 Newbauer, J. H., & Co., San Francisco, Calif. Toilet paper. 198,878; Dec. 2.
 New Britain Machine Co., The, New Britain, Conn. Screw machines, sprockets, wrenches, etc. 199,489; Dec. 2.
 New England Panama Hat Co. Inc., New York, N. Y. Hats. 184,092; Dec. 2.
 New Paganold Limited, London, England, and Montreal, Quebec, Canada. Fabric of the olecloth type for table or shelves. 200,150; Dec. 2.
 Nordenholt, Walter W., Chicago, Ill. Newspaper columns, magazine articles, and feature articles. 189,372; Dec. 2.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Norlund, Olof A., doing business as O. A. Norlund Co., Williamsport, Pa. Fish gaffs. 203,885; Dec. 2.
 Novelty Sales Co. (See McNair, Henry H.)
 Nutting Truck Company, Fairbault, Minn. Floor trucks. 203,239; Dec. 2.
 Nyal Company, Detroit, Mich. Soap shaving cream. 198,880; Dec. 2.
 Oehmig-Weldlich, C. H., Zellz, Germany. Toilet soaps. 196,944; Dec. 2.
 Ottman & Company, Inc., New York, N. Y. Bacon and hams. 201,575; Dec. 2.
 Owl Drug Company, The, San Francisco, Calif. Cleaning compounds. 201,101; Dec. 2.
 Packard Motor Car Company, Detroit, Mich. Automobiles and constructive parts thereof. 203,970; Dec. 2.
 Page & Shaw, Incorporated, Cambridge, Mass. Candy. 203,089; Dec. 2.
 Palme Lumber Company, Limited, Oshkosh, Wis., assignor to N. Palme, Miami Beach, Fla. Wooden doors. 187,016; Dec. 2.
 Palme Lumber Company, Limited, Oshkosh, Wis., assignor to N. Palme, Miami Beach, Fla. Wooden doors. 187,765; Dec. 2.
 Palmside Manufacturing Company, The, Yonkers, N. Y. Toilet powder. 176,358; Dec. 2.
 Papendick Bakery Co., St. Louis, Mo. Bread. 200,577; Dec. 2.
 Pathé Cinema, Anciens Etablissements Pathé Frères, Paris, France. Photographic plates, stereoscopes, stationary magic lanterns, etc. 198,721; Dec. 2.
 Peard, Phil F., Lena, Wis. Shoe dressing. 202,564; Dec. 2.
 Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Bleached muslin. 201,373; Dec. 2.
 Pennsylvania Soap Company of Lancaster, Pa., Lancaster, Pa. Soaps. 202,355; Dec. 2.
 Peoples Bottling Company, Inc., Akron, Ohio. Beverages sold as soft drinks and sirups for making the same. 203,193; Dec. 2.
 Perkleman Trunk & Bag Co., The, Philadelphia, Pa. Trunks. 200,898; Dec. 2.
 Physicians & Surgeons Laboratories, The. (See Regelson, Morris.)
 Pincus and Tobias Inc., Brooklyn, N. Y. Leather or fabric shoes. 201,857; Dec. 2.
 Pigm Co., Inc., The, Malden, Mass. Table relishes. 203,201; Dec. 2.
 Popular Hat Co. (See Marrow, Joseph.)
 Powers & Allen Co., Boston, Mass. Ladies' hats. 204,192; Dec. 2.
 Powers, Friend & Lichtman, New York, N. Y. Decorative linens, scarfs for furniture, pillow slips, table covers, laces. 179,427; Dec. 2.
 Prince, Jas. H., Paint Company, Boston, Mass. Mixed and paste paints. 195,764; Dec. 2.
 Prince, Jas. H., Paint Company, Boston, Mass. Mixed and paste paints. 195,766; Dec. 2.
 Prince, Jas. H., Paint Company, Boston, Mass. Mixed and paste paints. 195,769; Dec. 2.
 Purity Packing Company, Chicago, Ill. Potted and dehydrated meat products, veal loaf and meat products, etc. 148,755; Dec. 2.
 Ramirez & Feraud Chile Co., Ventura, Calif. Red chili sauce. 183,315; Dec. 2.
 Regelson, Morris, doing business as The Physicians & Surgeons Laboratories, New York, N. Y. Capsules for cold, grippe, and influenza. 200,730; Dec. 2.
 Reilly, John C., and Robert T. Northcutt, doing business as General Packing Company, Philadelphia, Pa. Jelly concentrate. 202,776; Dec. 2.
 Reiner, Max V., Allentown, Pa. Cleaning compound. 195,773; Dec. 2.
 Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 188,159; Dec. 2.
 Rheum-A-Leaf Company, The, Des Moines, Iowa. Preparation for the treatment of rheumatism and similar ailments. 202,714; Dec. 2.
 Rhode Island Wholesale Grocery Co., Providence, R. I. Coffee, tea, cocoa, etc. 190,855; Dec. 2.
 Rice Coal Company, The, Dayton, Ohio. Coal. 201,263; Dec. 2.
 Rleck-McJunkin Dairy Company. (See Goldberg, Henry M.)
 Roca, Anthony, New York, N. Y. Fresh fruit. 204,280; Dec. 2.
 Rollins Hosiery Mills, Des Moines, Iowa. Hosiery. 203,838-9; Dec. 2.
 Roman, T. J., Company, Inc., Brooklyn, N. Y. Paste paint and ready-mixed paint. 203,053; Dec. 2.
 Rose Salatorium Co., The, Rome City, Ind. Medicinal salts. 204,198; Dec. 2.
 Royal Manufacturing Company, Toledo, Ohio. Brooder stoves. 199,022; Dec. 2.
 Safety Dry Cleaning System Co., The, Camden, N. J. Cleaning compounds for fabrics. 202,760; Dec. 2.
 Samoline Corporation, Chicago, Ill. Cleaning preparation for wood, etc. 186,965; Dec. 2.
 Schaeffer Tent & Awning Company, The, Denver, Colo. Tents, water bags, and all canvas articles. 203,867; Dec. 2.

Schaeffer, J., Inc., New York, N. Y. Preparations for hair and scalp. 203,442; Dec. 2.
 Scheanblum, R., New York, N. Y. Hair curlers, crimpers, formers, and frames. 168,983; Dec. 2.
 Schlemmer, George, New York, N. Y. Umbrella-tip guards. 203,906; Dec. 2.
 Schmid, Theophilus, doing business as W. H. Wexelberg & Co., Chicago, Ill. Infants' teething devices. 203,147; Dec. 2.
 Scholar Leather Goods Corporation, New York, N. Y. Leather baggage. 186,332; Dec. 2.
 Schwarz, Max, Textile Corporation, New York, N. Y. Cotton piece goods. 201,047; Dec. 2.
 Scott Gas Appliance Company, Washington, D. C. Gas stoves and ranges and parts thereof. 185,499; Dec. 2.
 Seaville, Brown & Company, Wellsville, N. Y. Tea. 202,560; Dec. 2.
 Scudder, Blaine R., doing business as Sy-and-tick Meth-olds & Products Company, Janesville, Wis. Polish for floors, furniture, and woodwork. 201,777; Dec. 2.
 Sellograph Company. (See McBride, Eli J.)
 Sibley, Arthur E., Bloomington, Ill. Ice-cream confections. 183,344; Dec. 2.
 Silyer Steel Casting Company, Milwaukee, Wis. Steel castings. 203,012; Dec. 2.
 Slater, S., & Sons, Inc., New York, N. Y. Cotton piece goods. 203,843; Dec. 2.
 Smith, Fred A., Cleveland, Ohio. Men's hosiery. 195,546; Dec. 2.
 Speed Cleaner Co., The. (See Kasnicka, Joseph F.)
 Standard Oil Company of New York, New York, N. Y. Gasoline and naptha. 201,312; Dec. 2.
 Standard Plate Glass Company, Pittsburgh, Pa. Auto and furniture enamel, bathtub enamel, varnish stain, etc. 202,467; Dec. 2.
 Stein, Jacob, doing business as Climax Rubber Company, New York, N. Y. Rubber reducing garments. 203,057; Dec. 2.
 Stein, S., & Co., New York, N. Y. Woolen goods in the piece and in cut lengths. 204,060-5; Dec. 2.
 Stern, L. & H., Inc., Brooklyn, N. Y. Smoking pipes, cigar holders, and cigarette holders. 194,749; Dec. 2.
 Stoll Oil Refining Company, Louisville, Ky. Gasoline. 203,210; Dec. 2.
 Strong Baking Company, Flint, Mich. Bread. 199,899; Dec. 2.
 Swift and Company, Chicago, Ill. Cured shoulders and cooked picnic. 200,788; Dec. 2.
 Sy-and-tick Methods & Products Company. (See Scudder, Blaine R.)
 Tarnoff Chemical Co. (See Wilson, Mack.)
 Texo-Cola Company, Houston, Tex. Beverage and sirups for the manufacture of same. 167,275; Dec. 2.
 Thompson, Lillie J., Tyrone, Pa. Ointment for cuts, burns, eczema, etc. 183,178; Dec. 2.
 Tilley, John S., Ladders Co. Inc., The, Watervliet, N. Y. Parts for scaffolding, ladders, and the like. 201,598; Dec. 2.
 Tinklebaugh, John J., Livingston, N. Y. Apples. 202,154; Dec. 2.
 Unburnable Products Company. (See Wineburgh, Abraham.)
 United Confectionery Co. (See Climatic, Louis E.)
 United Silk Company, Boston, Mass. Silk piece goods. 203,015; Dec. 2.
 Vacuum Oil Company, New York, N. Y. Lubricating oils. 199,866; Dec. 2.
 Van Cleef Bros., Chicago, Ill. Adhesive cements and pastes, adhesive tapes, etc. 203,288; Dec. 2.
 Victor Talking Machine Company, Camden, N. J. Radio apparatus, parts, and appurtenances. 195,203-5; Dec. 2.
 Warrenman, S. C., Paint Stores Company, The, Cleveland, Ohio. Paints, varnishes, paint enamels, and paint oils. 169,591; Dec. 2.
 Walk-Ezy Hosiery Co., (See Lawall, Frederick F.)
 Walpamur Company, Limited, The, Darwen, Lancashire, England. Paint, varnishes, paint enamels, etc. 202,601; Dec. 2.
 Warren-Ehret Company, Philadelphia, Pa. Composition roofing felts and asphalt in barrels. 199,912; Dec. 2.
 Warrior Candy Company, Inc., Birmingham, Ala. Candy. 181,467; Dec. 2.
 Waterhouse, Josephine S., doing business as Waterhouse Manufacturing Co., and as J. S. Waterhouse, Los Angeles, Calif. Baby yards. 195,928; Dec. 2.
 Watkins, J. R., Company, The, Winona, Minn. Liniments. 202,727; Dec. 2.
 Waukesha Flour Mills, Waukesha, Wis. Prepared cake and pastry flour. 201,912; Dec. 2.
 Weeks, Sawyer & Company, New York, N. Y. Cotton fabrics. 204,254; Dec. 2.
 Well, Walter L., New York, N. Y. Shirting, underwear, and dress fabrics, etc. 202,651; Dec. 2.
 West Coast Kalsoline Company, Berkeley, Calif. Dry powder calcimine. 198,333; Dec. 2.
 Western Meat Company, South San Francisco, Calif. Oleomargarine. 202,831; Dec. 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Western Meat Company, South San Francisco, Calif. Cottoised salad oil. 202,834; Dec. 2.
Western Meat Company, South San Francisco, Calif. Oleomargarine. 202,835-6; Dec. 2.
Western Meat Company, South San Francisco, Calif. Dressed poultry, butter, eggs, cheese, etc. 202,837; Dec. 2.
Western Sausage & Provision Co., Inc., New York, N. Y. Sausages. 198,601; Dec. 2.
Western Sporting Goods Mfg. Co., The, Chicago, Ill. Baseballs, baseball gloves and mitts, and bats, etc. 202,427; Dec. 2.
Westwood, Ethel P., New York, N. Y. Dolls. 186,766; Dec. 2.
Wexelberg, W. H., & Co. (See Schmid, Theophilus.)
Wheeler, Reuben A., San Francisco and Stockton, Calif. Fresh grapes. 200,469; Dec. 2.
Wheeling bronze Casting Co., Wheeling, W. Va. Metal castings, rolled rods, forgings, etc. 202,840; Dec. 2.
Whiz Company. (See Jones, Vess.)
Wilson, James J., Raleigh, N. C. Silver polish. 201,066; Dec. 2.

Wilson, Mack, doing business as Tarnoff Chemical Co., Cleveland, Ohio. Automobile, piano, and furniture polish. 202,474; Dec. 2.
Winburgh, Abraham, doing business as Unburnable Products Company, New York, N. Y. Chemical fire-extinguishing compound. 204,137; Dec. 2.
Winslow Manufacturing Company, Vallejo, Calif. Oil filters and air cleaners for internal-combustion and other engines and carburetors. 203,246; Dec. 2.
Wire Rope Lubricating Company, Trenton, N. J. Lubricants for wire rope. 202,365; Dec. 2.
Wooley, Daniel P., New York, N. Y. Bread. 195,847; Dec. 2.
World Bottling Co., Ltd., New Orleans, La. Beverage sold as a soft drink. 203,500; Dec. 2.
Wormley Co., The, Rochelle, Ill. Stomach medicine. 202,605; Dec. 2.
Xtrax Laboratory. (See Huston, Bertha.)
Zalokar & Company, Oak Park, Ill. Roach powder. 198,828; Dec. 2.
Ziz Laboratories, Inc., Los Angeles, Calif. Hair tonic, scalp remedy, and headache tablets. 203,704; Dec. 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Anthracite Fuel Corporation. 192,325-6; Dec. 2; Serial Nos. 198,776-7; published Sept. 16, 1924.
Coal. Ayrshire Coal Co. 192,489; Dec. 2.
Coal. Bituminous. Rockhill Coal and Iron Company. 192,322; Dec. 2; Serial No. 198,885; published Sept. 16, 1924.
Nursery stock. Jewell Nursery Company. 192,244; Dec. 2; Serial No. 183,486; published Sept. 9, 1924.

CLASS 2.

Cases or containers. Powder. Celma Company. 192,284; Dec. 2; Serial No. 195,333; published Sept. 16, 1924.
Receptacles for confections. Whikar Corporation. 192,390; Dec. 2; Serial No. 199,814; published Sept. 23, 1924.
Thermos bottles. American Thermos Bottle Company. 192,452; Dec. 2; Serial No. 198,696; published Sept. 16, 1924.

CLASS 3.

Creeled and packbasket harness. Carrying straps for. O. C. Tuttle. 192,368; Dec. 2; Serial No. 194,960; published Sept. 16, 1924.
Snaps. Loop and round eye harness. J. C. Covert. 25,882-3; renewed Jan. 15, 1925.

CLASS 4.

Cleaning, shining and polishing shoes, etc. Preparations for. Herriott Polish Company. 192,494; Dec. 2.
Preparations for cleaning, shining, and polishing shoes, etc. Herriott Polish Company. 192,464; Dec. 2.
Steel. Crushed. Pittsburgh Crushed Steel Co. 26,470; renewed Apr. 23, 1925.
Steel. rouge and putty powder. Crushed. Pittsburgh Crushed Steel Co. 26,471-2; renewed Apr. 23, 1925.

CLASS 6.

Insecticides. Newton, Chambers & Co. 25,854; renewed Jan. 8, 1925.
Laxative compound and tonic and nerve food. A. R. Munn, Inc. 192,472; Dec. 2.
Medical tonic. H. N. Bradshaw. 192,467; Dec. 2.
Medicinal compound. Harrower Laboratory, Inc. 192,483-6; Dec. 2.
Medicine. S. P. Becker. 192,475; Dec. 2.
Tonic. Intestinal. H. L. Des Anges. 192,251; Dec. 2; Serial No. 186,050; published Sept. 16, 1924.

CLASS 9.

Ammunition. Remington Arms Company. 192,470; Dec. 2.

CLASS 12.

Brick. Jewettville Clay Products Company. 192,316; Dec. 2; Serial No. 197,485; published Sept. 9, 1924.
Carpet felt. Graham Paper Company. 192,337; Dec. 2; Serial No. 197,878; published Sept. 9, 1924.
Cement. Pittsburgh Plate Glass Company. 192,246; Dec. 2; Serial No. 184,419; published Sept. 9, 1924.
Cement composition. E. Knizak. 192,302; Dec. 2; Serial No. 191,888; published Sept. 9, 1924.
Cement. Portland. Copley Cement Manufacturing Company. 192,373; Dec. 2; Serial No. 192,604; published Sept. 16, 1924.
Lumber. Pennsylvania Flooring and Manufacturing Co. 192,440; Dec. 2; Serial No. 199,901; published Sept. 9, 1924.
Socket inserts, continuous stirrups, etc. Reinforced Concrete Company. 192,328; Dec. 2; Serial No. 198,679; published Sept. 9, 1924.

Stone. Building. George Washington Stone Corporation. 192,349-50; Dec. 2; Serial Nos. 199,811-12; published Sept. 9, 1924.
Stucco, composition and magnesia flooring, etc. Franklin R. Muller, Inc. 192,400; Dec. 2; Serial No. 199,124; published Sept. 16, 1924.

CLASS 13.

Bale ties. L. E. Treadwell. 192,447; Dec. 2; Serial No. 199,196; published Sept. 16, 1924.
Chains. Washburn Company. 192,457; Dec. 2; Serial No. 197,640; published Sept. 16, 1924.
Melting pots, hand ladles, and molds. Lend. Turner & Seymour Manufacturing Co. 192,305; Dec. 2; Serial No. 193,142; published July 22, 1924.
Saucepan, round roaster, frying pan, etc. Lipped. Geo. H. Bowman Co. 192,439; Dec. 2; Serial No. 199,973; published Sept. 9, 1924.
Valves and valve seats. Fisher Governor Company. 192,438; Dec. 2; Serial No. 200,042; published Sept. 9, 1924.
Wire belt lacing, casters, washers, nozzles, etc. Hibbard, Spence, Bartlett & Company. 192,473; Dec. 2.

CLASS 14.

Bars. Cored and solid. Cored Bar Corporation. 192,288-90; Dec. 2; Serial Nos. 191,364-6; published Sept. 16, 1924.
Brass or copper or alloys thereof, bronze sheets or rods, etc. Sheets of. Taunton-New Bedford Copper Company. 192,443; Dec. 2; Serial No. 199,865; published Sept. 9, 1924.

CLASS 15.

Oil. Wm. C. Robinson & Son Co. 192,292; Dec. 2; Serial No. 181,313; published Sept. 16, 1924.

CLASS 16.

Paint. Ready mixed. Devco & Reynolds Co. 192,353; Dec. 2; Serial No. 197,721; published Sept. 16, 1924.
Paints and paint enamels. J. W. Pearson. 192,455; Dec. 2; Serial No. 198,324; published Sept. 16, 1924.
Paints, Mixed. Cook Paint & Varnish Company. 192,360; Dec. 2; Serial No. 196,648; published Sept. 16, 1924.
Paints, varnishes, stains, etc. General Paint and Varnish Company. 192,474; Dec. 2.
Plément paste. R. F. Johnston Paint Company. 192,456; Dec. 2; Serial No. 197,942; published Sept. 16, 1924.
Turpentine and pine oil. Hercules Powder Company. 192,384-5; Dec. 2; Serial Nos. 167,813-14; published Sept. 16, 1924.

CLASS 19.

Cars. Railway motor. Northwestern Motor Company. 192,335; Dec. 2; Serial No. 198,026; published Sept. 9, 1924.

CLASS 21.

Armatures, magnet chargers, commutators, motors, etc. E. R. Hickey. 192,355; Dec. 2; Serial No. 197,398; published Sept. 16, 1924.
Electric currents. Apparatus for filtering. Rader Appliance Co. 192,391; Dec. 2; Serial No. 199,761; published Sept. 16, 1924.
Electric-lighting fixture parts. Shapiro & Aronson, Inc. 192,375; Dec. 2; Serial No. 191,915; published Sept. 16, 1924.
Electrically operated and lighted stop and direction signals for vehicles. U. S. Sales Distributing Corporation. 192,371; Dec. 2; Serial No. 193,197; published Sept. 16, 1924.
Inductance, electrical, and other coils. W. Kaufman. 192,381; Dec. 2; Serial No. 179,152; published Sept. 16, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Induction coils and inductance coupling devices. F. L. Judd. 192,393; Dec. 2; Serial No. 199,629; published Sept. 16, 1924.
Motors. Electric. Reinhard Electric Motor Company. 192,394; Dec. 2; Serial No. 199,574; published Sept. 16, 1924.
Radio apparatus and supplies. Kilbourne & Clark Mfg. Co. 192,338; Dec. 2; Serial No. 194,714; published Sept. 16, 1924.
Radio circuit switches, variometers, variocouplers, etc. W. G. Mitchell. 192,357; Dec. 2; Serial No. 197,209; published Sept. 16, 1924.
Radio crystal rectifiers. F. W. Stein. 192,365; Dec. 2; Serial No. 195,993; published Sept. 16, 1924.
Radio loud speakers. Attachment for utilizing phonographs as. Dictograph Products Corporation. 192,405; Dec. 2; Serial No. 198,993; published Sept. 16, 1924.
Radio receiving sets. Gotham Wireless, Inc. 192,392; Dec. 2; Serial No. 199,749; published Sept. 16, 1924.
Radio receiving sets. Radio Corporation of America. 192,359; Dec. 2; Serial No. 196,970; published Sept. 16, 1924.
Radio sets. Globe Electric Co. 192,358; Dec. 2; Serial No. 197,199; published Sept. 16, 1924.
Radio switch blocks. Dictograph Products Corporation. 192,404; Dec. 2; Serial No. 198,994; published Sept. 16, 1924.
Radiotransformers. Andrews Radio Company. 192,364; Dec. 2; Serial No. 196,147; published Sept. 16, 1924.
Radiotransformers. Andrews Radio Company. 192,408; Dec. 2; Serial No. 198,105; published Sept. 16, 1924.
Radework. Parts used particularly in. Radio Panel & Parts Corp. 192,367; Dec. 2; Serial No. 195,078; published Sept. 16, 1924.
Storage-battery and acid-proof boxes, cases, etc. Pritchett & Gold and E. P. S. Company. 192,374; Dec. 2; Serial No. 192,268; published Sept. 16, 1924.
Telephone mouthpieces. Silencing device to go over. M. R. Hutchison. 192,396; Dec. 2; Serial No. 199,482; published Sept. 16, 1924.
Telephone receiver. Device for attaching to. M. R. Hutchison. 192,395; Dec. 2; Serial No. 199,483; published Sept. 16, 1924.
Tubes to serve as detectors, amplifiers, and rectifiers. Brighton Laboratories, Inc. 192,403; Dec. 2; Serial No. 199,037; published Sept. 16, 1924.
Wire. Rubber-covered. Diamond Braiding Mills. 192,402; Dec. 2; Serial No. 199,046; published Sept. 16, 1924.

CLASS 22.

Billiard cues. A. Clayton. 192,418; Dec. 2; Serial No. 200,807; published Sept. 23, 1924.
Cards. Playing. Pyramid Playing Card Co. 192,409-11; Dec. 2; Serial Nos. 201,258-60; published Sept. 23, 1924.
Dolls. E. V. Allison. 192,415; Dec. 2; Serial No. 201,169; published Sept. 23, 1924.
Dolls. H. E. Leland. 192,412; Dec. 2; Serial No. 201,247; published Sept. 23, 1924.
Dolls. Crocheted costume for celluloid. H. G. Barker. 192,445; Dec. 2; Serial No. 199,600; published Sept. 16, 1924.
Dolls, tennis balls, card games, etc. H. W. Munro. 192,267; Dec. 2; Serial No. 199,288; published Sept. 16, 1924.

Exercising devices for the feet. C. A. Milne. 192,436; Dec. 2; Serial No. 200,337; published Sept. 16, 1924.
Fishing baits and lures. South Bend Bait Co. 192,422; Dec. 2; Serial No. 200,585; published Sept. 23, 1924.
Fishing line. Horrocks-Ibbotson Co. 192,424; Dec. 2; Serial No. 200,559; published Sept. 23, 1924.
Fishing lines. Ashaway Line & Twine Manufacturing Company. 192,419; Dec. 2; Serial No. 200,744; published Sept. 23, 1924.
Game. G. B. Leiter. 192,425; Dec. 2; Serial No. 200,502; published Sept. 23, 1924.
Game of chance. J. J. Sindler. 192,406; Dec. 2.
Playthings and foundation materials. Stuffed. Bernhard Ulmann Co. 192,448; Dec. 2; Serial No. 199,135; published Sept. 16, 1924.
Skates, ice. Nestor Johnson Manufacturing Company. 192,471; Dec. 2.
Toy animals, figure toys, and dolls. F. J. Baum. 192,462; Dec. 2; Serial No. 196,898; published Sept. 16, 1924.
Toy watch bracelets and wrist purses. A. Baron. 192,426; Dec. 2; Serial No. 200,416; published Sept. 23, 1924.
Toys, Figure. Kirn-Reincke Company. 192,423; Dec. 2; Serial No. 200,720; published Sept. 23, 1924.
Vehicle. Child's two-wheeled. Colson Company. 192,297-8; Dec. 2; Serial Nos. 170,369-70; published Sept. 16, 1924.

CLASS 23.

Calandrias, concentrators, condensers, etc. Buffalo Foundry & Machine Co. 192,253; Dec. 2; Serial No. 188,292; published Sept. 9, 1924.
Gears. L. Meier. 192,272; Dec. 2; Serial No. 199,041; published Sept. 9, 1924.
Hammers, saws, bit braces, etc. Stanley Works. 192,463; Dec. 2; Serial No. 196,835; published Sept. 2, 1924.
Loading machines. Joy Machine Company. 192,348; Dec. 2; Serial No. 199,841; published Sept. 16, 1924.

Pocketknives, razors, carving sets, etc. Aerial Cutlery Manufacturing Co. 192,274; Dec. 2; Serial No. 199,735; published Sept. 9, 1924.
Pumps. Vacuum. Central Scientific Co. 192,437; Dec. 2; Serial No. 200,090; published Sept. 9, 1924.
Razor blades, Safety-. International Safety Razor Corporation. 192,333; Dec. 2; Serial No. 198,188; published Sept. 9, 1924.
Razors and blades therefor. J. F. Barry. 192,303; Dec. 2; Serial No. 192,207; published Sept. 9, 1924.
Saw blades and frames, Hack-. H. C. Cook Company. 192,308; Dec. 2; Serial No. 194,051; published Sept. 9, 1924.
Vehicles. Transmissions for motor. Price Hollister Co. 192,446; Dec. 2; Serial No. 199,319; published Sept. 16, 1924.

CLASS 24.

Washing and centrifugal wringing machines. Lamb Washing Machine Co. 192,359; Dec. 2; Serial No. 199,945; published Sept. 16, 1924.

CLASS 26.

Chairs and cabinets used in the practice of ophthalmology. General Optical Company. 192,315; Dec. 2; Serial No. 197,023; published Sept. 9, 1924.
Films. Photographic. Eastman Kodak Company. 192,432; Dec. 2; Serial No. 200,483; published Sept. 9, 1924.
Lenses. Ophthalmic. California Optical Co. 192,329; Dec. 2; Serial No. 198,614; published Sept. 16, 1924.
Numbering machines. American Numbering Machine Company. 192,492; Dec. 2.
Photographic lenses and lens mountings. Ilex Optical Company. 192,451; Dec. 2; Serial No. 198,747; published Sept. 16, 1924.
Photographic sensitized plates. Eastman Kodak Company. 192,433; Dec. 2; Serial No. 200,435; published Sept. 9, 1924.
Photographic sensitized plates. Eastman Kodak Company. 192,435; Dec. 2; 200,434; published Sept. 9, 1924.
Resistance, inductance, and capacitance, etc. Standards of. General Radio Company. 192,285; Dec. 2; Serial No. 194,917; published Sept. 16, 1924.
Spectacles, eyeglasses, goggles, eye-testing instruments, etc. Universal Optical Corporation. 192,249-50; Dec. 2; Serial Nos. 161,906-7; published Dec. 19, 1922.
Squares, rules, and levels. Try-. Stanley Works. 192,279; Dec. 2; Serial No. 196,834; published Sept. 2, 1924.
Telescopes, microscope supports, etc. Measuring. Gaertner Scientific Corporation. 192,460; Dec. 2; Serial No. 197,535; published Sept. 16, 1924.

CLASS 27.

Watches. Bayer, Pretzfelder & Mills, Inc. 192,363; Dec. 2; Serial No. 196,363; published Sept. 16, 1924.

CLASS 28.

Buttons, cuff buttons and links, and snap links. Collar. American Jewelry Co. 192,398; Dec. 2; Serial No. 199,202; published Sept. 16, 1924.
Coffeepots, sugar bowls, cream pitchers, etc. Jennings Silver Co. 192,372; Dec. 2; Serial No. 192,618; published Sept. 16, 1924.
Necklaces. Morris, Mann & Reilly, Inc. 192,361; Dec. 1; Serial No. 196,606; published Sept. 16, 1924.
Pearls. Gold Seal Jewelers. 192,378; Dec. 2; Serial No. 184,550; published Sept. 16, 1924.
Rosaries. M. Rothstein. 192,351; Dec. 2; Serial No. 197,960; published Sept. 16, 1924.

CLASS 29.

Brushes, Automobile. Lundt & Company. 192,275; Dec. 2; Serial No. 199,755; published Sept. 16, 1924.

CLASS 34.

Ventilators. Royal Ventilator Company. 192,276; Dec. 2; Serial No. 199,764; published Sept. 9, 1924.
Water heater, Automatic. Goodman Automatic Water Heater Co. 192,318; Dec. 2; Serial No. 197,756; published Sept. 16, 1924.

CLASS 37.

Paper and paper bags. Atlanta Paper Company. 26,368; renewed Apr. 9, 1925.

CLASS 39.

Bloomers, pantalets, and knickers. I. L. Lesavoy. 192,444; Dec. 2; Serial No. 199,753; published Sept. 16, 1924.
Boots and shoes. Regal Shoe Company. 192,239; Dec. 2; Serial No. 170,088; published July 22, 1924.
Boots, moccasins, shoes, hooded jackets, knickers, Skin. International Grenfell Association, Inc. 192,294; Dec. 2; Serial No. 180,866; published Sept. 16, 1924.
Clothing. S. Blechman & Sons Inc. 192,245; Dec. 2; Serial No. 184,158; published Sept. 9, 1924.
Clothing. Irish Linen-Silk Company. 192,352; Dec. 2; Serial No. 197,940; published Sept. 16, 1924.
Frocks, Ladies'. L. C. Rosenblatt. 192,321; Dec. 2; Serial No. 198,886; published Sept. 9, 1924.
Fur capes, coats, wraps, and neck pieces. B. Beckman. 192,370; Dec. 2; Serial No. 194,428; published Sept. 23, 1924.

Fur collars, cuffs, trimmings, and ladies' coats. J. Rothbaum. 192,459; Dec. 2; Serial No. 197,620; published Sept. 16, 1924.

Gowns, bath robes, beach capes, lounging. Fischer-Jenken Inc. 192,453; Dec. 2; Serial No. 198,513; published Sept. 16, 1924.

Gowns, suits, dresses, coats, etc. Madeleine Vionnet Models, Inc. 192,309-10; Dec. 2; Serial Nos. 194,725-6; published Sept. 9, 1924.

Hats for women and children. Gram Headwear Mfg. Co. 192,387; Dec. 2; Serial No. 193,869; published Sept. 16, 1924.

Hosiery. W. B. Davis & Son, Inc. 192,319; Dec. 2; Serial No. 199,045; published Sept. 9, 1924.

Hosiery. Ipswich Mills. 192,262; Dec. 2; Serial No. 199,116; published Sept. 9, 1924.

Hosiery. Mandel & Cohen. 192,356; Dec. 2; Serial No. 197,383; published Sept. 16, 1924.

Hosiery. McLehman Stores Company. 192,261; Dec. 2; Serial No. 199,075; published Sept. 9, 1924.

Hosiery. Nelson Knitting Company. 192,268; Dec. 2; Serial No. 199,293; published Sept. 9, 1924.

Hosiery. Phoenix Hosiery Company. 192,320; Dec. 2; Serial No. 198,958; published Sept. 9, 1924.

Hosiery. Silk. Bestmade Silk Hosiery Co. 192,334; Dec. 2; Serial No. 198,171; published Sept. 9, 1924.

Hosiery. Silk. H. K. H. Silk Co. 192,487; Dec. 2; Serial No. 199,264; Dec. 2; Serial No. 199,171; published Sept. 9, 1924.

Hosiery. underwear, blankets, etc. E. L. LasSar. 192,264; Dec. 2; Serial No. 199,171; published Sept. 9, 1924.

Infants' wear. Royal Kiddy Ware Co. 192,377; Dec. 2; Serial No. 184,764; published Sept. 30, 1924.

Kimonos and negligees. Frances Negligee Company. 192,323-4; Dec. 2; Serial Nos. 198,853-4; published Sept. 9, 1924.

Leggings, knickerbockers, children's rompers, etc. C. E. Hockmeyer. 192,312; Dec. 2; Serial No. 193,642; published Sept. 9, 1924.

Neckties, cravats, and scarfs. T. E. Greaney. 192,397; Dec. 2; Serial No. 199,472; published Sept. 23, 1924.

Negligees, breakfast coats, kimonos, etc. Joy Wear. 192,311; Dec. 2; Serial No. 195,033; published Sept. 9, 1924.

Nightgowns, bands, socks, etc. Babble. Climax Specialty Company. 192,362; Dec. 2; Serial No. 196,513; published Sept. 23, 1924.

Raincoats and topcoats. C. B. Shane Co. 192,386; Dec. 2; Serial No. 193,569; published Sept. 23, 1924.

Rubber heels. Leonard & Barrows. 192,291; Dec. 2; Serial No. 183,928; published Sept. 16, 1924.

Shirts and men's athletic underwear. Men's and boys' dress. Chestersfield Shirt Company. 192,263; Dec. 2; Serial No. 199,149; published Sept. 9, 1924.

Shirts, collars, pyjamas, etc. Negligee. William Hollins & Co. 192,388; Dec. 2; Serial No. 161,004; published Sept. 23, 1924.

Shoes. S. Allen. 192,493; Dec. 2.

Shoes. Misses. Strawbridge & Clothier. 192,488; Dec. 2.

Sweater collars. Cadet Knitting Company. 192,265; Dec. 2; Serial No. 199,218; published Sept. 9, 1924.

Sweaters and bathing suits. American Wholesale Corporation (Baltimore Bargain House). 192,296; Dec. 2; Serial No. 172,818; published June 10, 1924.

Topcoats, sport suits, leather gloves, etc. Old Bond Street Outfitters, Ltd. 192,286; Dec. 2; Serial No. 194,878; published Sept. 16, 1924.

Underwear and bathing suits. Knitted. E. J. Schremp. 192,314; Dec. 2; Serial No. 196,480; published Sept. 9, 1924.

Underwear. Knitted or textile. M. L. Walsh. 192,330; Dec. 2; Serial No. 198,436; published Sept. 9, 1924.

Underwear. Men's athletic. R. H. Macy & Co. 192,344; Dec. 2; Serial No. 200,333; published Sept. 16, 1924.

Underwear. Textile-fabric. Goodenow Textiles Company. 192,369; Dec. 2; Serial No. 194,705; published Sept. 16, 1924.

Waists, blouses, and dresses. E. D. Becker. 192,241; Dec. 2; Serial No. 177,541; published Sept. 9, 1924.

CLASS 42.

Alpacas, prints, calicos, etc. Consolidated Textile Corporation. 192,295; Dec. 2; Serial No. 178,092; published Sept. 16, 1924.

Cloths. Untreated. High Grade Mills, Inc. 192,490; Dec. 2.

Cotton, etc., piece goods. E. H. Behrens & Co. 192,313; Dec. 2; Serial No. 196,003; published June 24, 1924.

Fabrics in the piece. Pile. Sidney Blumenthal & Co. 192,346; Dec. 2; Serial No. 200,033; published Sept. 16, 1924.

Knitted woolen fabrics in the piece. Continental Mills, Inc. 192,434; Dec. 2; Serial No. 200,135; published Sept. 16, 1924.

Padding. Cotton. Sands & Ross, Inc. 192,341; Dec. 2; Serial No. 200,782; published Sept. 16, 1924.

Silk, cotton, and mixtures thereof piece goods. Turner & Walls. 192,343; Dec. 2; Serial No. 200,535; published Sept. 16, 1924.

Silk fabrics in the piece. Cheney Brothers. 192,254; Dec. 2; Serial No. 198,504; published Sept. 16, 1924.

Textile piece goods. Eureka Woolen Mills. 192,252; Dec. 2; Serial No. 187,735; published July 8, 1924.

Woolen, cotton, and woolen and cotton piece goods. Atlantic Mills. 192,342; Dec. 2; Serial No. 200,600; published Sept. 16, 1924.

Woolen piece goods. Madison Woolen Co. 192,281; Dec. 2; Serial No. 196,535; published Sept. 9, 1924.

Woolen piece goods. Moyses & Sons, Inc. 192,345; Dec. 2; Serial No. 200,056; published Sept. 16, 1924.

CLASS 43.

Yarns. Bernhard Ulmann & Co. 26,016; renewed Feb. 12, 1925.

Yarns. Carded and combed cotton. Cramerton Mills, Incorporated. 192,300; Dec. 2; Serial No. 191,429; published June 3, 1924.

CLASS 44.

Dental caps, crowns, and bridges. C. Bechtold. 192,332; Dec. 2; Serial No. 198,281; published Sept. 9, 1924.

Dental cement. W. A. Voigt. 192,269; Dec. 2; Serial No. 199,333; published Sept. 9, 1924.

Heel supports and heel pads. Scholl Manufacturing Company. 192,266; Dec. 2; Serial No. 199,250; published Sept. 9, 1924.

Medicinal and surgical supplies. Kits of. First Aid Specialty Company. 192,301; Dec. 2; Serial No. 191,682; published Sept. 9, 1924.

CLASS 45.

Drinks and fruit juices. Synthetic. R. M. Hughes & Co. 192,376; Dec. 2; Serial No. 185,465; published Sept. 30, 1924.

Ginger ale. Christo Syrup Co. 192,401; Dec. 2; Serial No. 199,108; published Sept. 23, 1924.

Ginger ale and sirup for making same. Hydrox Corporation. 192,271; Dec. 2; Serial No. 199,620; published Sept. 16, 1924.

Grape juice. Uti Juice Company. 192,270; Dec. 2; Serial No. 199,408; published Sept. 16, 1924.

Lemonade, soft drinks, and essences and extracts therefor. A. Lindahl. 192,427; Dec. 2; Serial No. 200,398; published Sept. 23, 1924.

Sirup. Grape. A. Rancel. 192,406; Dec. 2; Serial No. 198,762; published Sept. 23, 1924.

CLASS 46.

Alimentary paste products, coffee, tea, etc. Fortune Products Company. 192,287; Dec. 2; Serial No. 191,825; published Sept. 16, 1924.

Bacon. Alabama Packing Company. 192,468-9; Dec. 2.

Beef, pork, dried beef, onions, carrots, etc. K. McClellan. 192,282; Dec. 2; Serial No. 196,396; published Sept. 16, 1924.

Bran. Battle Creek Food Company. 192,277; Dec. 2; Serial No. 199,771; published Sept. 16, 1924.

Bran and flour. Mixture of. Hecker-Jones-Jewell Milling Company. 192,442; Dec. 2; Serial No. 200,763; published Sept. 16, 1924.

Bread, cakes, pies, buns, and rolls. Huber Baking Company. 192,366; Dec. 2; Serial No. 195,963; published Sept. 23, 1924.

Butter and cheese. Lovell & Christmas, (U. S. A.) Limited. 192,255; Dec. 2; Serial No. 199,070; published Sept. 16, 1924.

Butter and cheese. Lovell & Christmas, (U. S. A.) Limited. 192,259-60; Dec. 2; Serial Nos. 199,071-2; published Sept. 16, 1924.

Butter. Creamery. Trinklind Creamery Co. 192,417; Dec. 2; Serial No. 201,116; published Sept. 23, 1924.

Cake and macaroons. Drake Brothers Co. 192,351; Dec. 2; Serial No. 198,403; published Sept. 16, 1924.

Candy. S. Dreyer. 192,247; Dec. 2; Serial No. 184,060; published Sept. 16, 1924.

Candy. Elmer Candy Co. 192,477; Dec. 2.

Candy. L. D. Garrett. 192,441; Dec. 2; Serial No. 199,882; published Sept. 23, 1924.

Candy. A. Janes. 192,480; Dec. 2.

Canned caviar. Russian Food Products Company. 192,476; Dec. 2.

Canned goods, condiments, etc. Goddard Grocer Company. 192,380; Dec. 2; Serial No. 181,943; published Sept. 16, 1924.

Canned goods, fruits, jams, jellies, sirups, etc. Gordon, Sewall & Co. 192,304; Dec. 2; Serial No. 192,527; published Sept. 16, 1924.

Canned peas and corn. Keene-Belvidere Canning Company. 192,421; Dec. 2; Serial No. 200,797; published Sept. 23, 1924.

Canned salmon, prepared mustard, jelly, etc. Muskogee Wholesale Grocer Company. 192,481; Dec. 2.

Canned vegetables. G. T. Redden & Company. 192,382; Dec. 2; Serial No. 178,671; published Sept. 16, 1924.

Canned vegetables and fruits, spices, flour, etc. H. A. Marr Grocery Co. 192,293; Dec. 2; Serial No. 181,290; published Nov. 27, 1923.

Cantaloupes, fresh. V. H. Azbderian. 192,256; Dec. 2; Serial No. 199,141; published Sept. 16, 1924.

Caramel paste, nougat cream, marshmallow topping, etc. Kay-White Products, Inc. 192,240; Dec. 2; Serial No. 176,478; published Sept. 16, 1924.

Cocoa and chocolate. Kakao-Kompagnie Theodor Reihardt Gesellschaft mit beschränkter Haftung. 192,379; Dec. 2; Serial No. 183,978; published Sept. 16, 1924.

Coffee. H. A. S. Coffee Company. 192,478; Dec. 2.

Dough assistant consisting of an edible product. Rumford Chemical Works. 192,458; Dec. 2; Serial No. 197,621; published Sept. 16, 1924.

Eggs, butter, and cheese. E. Lebers. 192,339; Dec. 2; Serial No. 194,719; published Sept. 23, 1924.

Feed. Poultry. Kasco Mills, Inc. 192,248; Dec. 2; Serial No. 158,874; published Sept. 16, 1924.

Flavoring for foods. Artificial maple. E. Corwin. 192,449; Dec. 2; Serial No. 198,936; published Sept. 16, 1924.

Flour and other cereal products. The H-O (Hornby's Oat Meal) Company. 26,461; renewed Apr. 23, 1924.

Flour. Self-rising wheat. Washburn Crosby Company. 192,410; Dec. 2; Serial No. 201,166; published Sept. 23, 1924.

Flour. Wheat. J. P. Easley Milling Co. 192,428; Dec. 2; Serial No. 199,981; published Sept. 23, 1924.

Flour. Wheat. Hennepin Mill Company. 192,383; Dec. 2; Serial No. 177,738; published Sept. 23, 1924.

Flour. Wheat. International Milling Company. 192,407; Dec. 2; Serial No. 198,309; published Sept. 23, 1924.

Flour. Wheat. International Milling Company. 192,420; Dec. 2; Serial No. 200,885; published Sept. 23, 1924.

Flour. Wheat. Niagara Falls Milling Company. 192,340; Dec. 2; Serial No. 198,534; published Sept. 16, 1924.

Food product. Marshak Maltulak Co. 192,454; Dec. 2; Serial No. 198,463; published Sept. 16, 1924.

Grapes. T. Mouradick. 192,243; Dec. 2; Serial No. 183,341; published Sept. 16, 1924.

Hams, bucons, sausage, pork puddings, etc. A. Löffler Provision Company. 192,336; Dec. 2; Serial No. 197,886; published Sept. 16, 1924.

Hams, shoulders, sausage. G. H. Hammond Company. 192,283; Dec. 2; Serial No. 196,165; published Sept. 16, 1924.

Macaroni. Campanella & Favaro Macaroni Co. 192,482; Dec. 2.

Malt extract. Original Monk Malt Co. 192,450; Dec. 2; Serial No. 198,881; published Sept. 16, 1924.

Marmalade, candy, fruit, etc. B. S. Powell. 192,327; Dec. 2; Serial No. 198,760; published Sept. 16, 1924.

Mash, chick. Barker, Moore & Mein Medicine Company. 192,429; Dec. 2; Serial No. 200,766; published Sept. 16, 1924.

ALPHABETICAL LIST OF LABELS.

Cinelli's. For Sardines. G. Cinelli Company. 27,899; Dec. 2.

Cosmo. For Hairdressing. H. B. Goldeen. 27,900; Dec. 2.

Cream Of The West. For Bread. T. F. Naughtin Co. 27,905; Dec. 2.

Glendale Punch. For Punch. Henry-Brown Company. 27,901; Dec. 2.

Hallowe'en. For Canned Tomatoes. Utah Canning Company. 27,911; Dec. 2.

Land O'Lakes. Makes Every Meal a Banquet. For Butter. Minnesota Co-Operative Creameries Association, Inc. 27,904; Dec. 2.

Mayonnaise, Russian dressing, Melba sauce, etc. W. J. Moore. 192,347; Dec. 2; Serial No. 200,004; published Sept. 16, 1924.

Meal and other products of rye, Rye. O. I. Gyllenhammar. 192,299; Dec. 2; Serial No. 190,836; published May 27, 1924.

Meal, wheat flour, feeds, oats, and dry mash. Corn. C. Schaefer. 192,465; Dec. 2.

Meats, butter, eggs, etc. Smoked. F. Lang. 192,306; Dec. 2; Serial No. 193,603; published Sept. 16, 1924.

Milk, cream, cheese, etc. Cohen Dairy Co. 192,461; Dec. 2; Serial No. 197,532; published Sept. 16, 1924.

Oil, Olive. V. J. Squillante. 192,280; Dec. 2; Serial No. 196,683; published Sept. 16, 1924.

Pop corn. Raw. R. M. Tuttle. 192,273; Dec. 2; Serial No. 199,726; published Sept. 16, 1924.

Pork and sausage. Fresh and cured. Swift and Company. 192,258; Dec. 2; Serial No. 199,585; published Sept. 16, 1924.

Potatoes, Fresh seed. J. H. Rambo. 192,479; Dec. 2.

Rice. John Randles, Inc. 192,430-1; Dec. 2; Serial Nos. 200,640-1; published Sept. 16, 1924.

Sandwich spread. Widlar Company. 192,307; Dec. 2; Serial No. 193,976; published Sept. 16, 1924.

Sandwiches. Cordon Products Company. 192,242; Dec. 2; Serial No. 178,715; published Sept. 16, 1924.

Sandwiches. Cordon Products Company. 192,413-14; Dec. 2; Serial Nos. 201,180-1; published Sept. 23, 1924.

Seaweed and sea moss. Dry. Asia Company. 192,317; Dec. 2; Serial No. 197,527; published Sept. 16, 1924.

Soup stock. Dry powder cooked. I. McMorran. 192,257; Dec. 2; Serial No. 199,177; published Sept. 16, 1924.

Spices. Food-flavoring extracts, prepared mustard, and peanut butter. Frank Tea & Spice Co. 192,354; Dec. 2; Serial No. 197,929; published Sept. 16, 1924.

Spices, ground cayenne, cloves, and allspice, etc. Hanf & Ringler, Inc. 192,399; Dec. 2; Serial No. 199,164; published Sept. 16, 1924.

Tea, coffee, flavoring extracts, etc. Athletic Tea Company. 192,491; Dec. 2.

CLASS 50.

Fabric for brassieres, etc. Water and air resisting. Model Brassiere Co. 192,278; Dec. 2; Serial No. 199,796; published Sept. 16, 1924.

ALPHABETICAL LIST OF PRINTS.

Eskimo Pie. For Chocolate-Coated Ice-Cream Bars. Eskimo Pie Corporation. 7,600; Dec. 2.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Black Coal Company. 204,006; Dec. 2.

Coal. Kentenia Coal Company. 200,396; Dec. 2.

Coal. Rice Coal Company. 201,263; Dec. 2.

Coal and wood. Miner-Edgar Company. 186,657; Dec. 2.

Leather. Monarch Leather Company. 204,182; Dec. 2.

Wood for manual training and home work. Packages of. El Paso Sash & Door Company. 203,797; Dec. 2.

CLASS 2.

Bags, Paper. Dollar Dry Cleaning Co. 202,797; Dec. 2.

CLASS 3.

Suitcases, traveling bags, and ladies' bathtubs. Leather. Schooler Leather Goods Corporation. 186,332; Dec. 2.

Trunks. Perikloen Trunk & Bag Co. 200,898; Dec. 2.

CLASS 4.

Brake compound and belt dressing. Griplite Company. 201,234; Dec. 2.

Cleaning compound. M. V. Reiner. 195,773; Dec. 2.

Cleaning compounds. Owl Drug Company. 201,101; Dec. 2.

Cleaning compounds. Safety Dry Cleaning System Co. 202,760; Dec. 2.

Cleaning preparation for wood, etc. Samoline Corporation. 18

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Soaps. East Moline Soap Manufacturing Co. 202,441; Dec. 2.
Soaps. Pennsylvania Soap Company of Lancaster, Pa. 202,355; Dec. 2.
Soaps, cleansing compounds, and metal polish. W. Flitzwater. 202,336; Dec. 2.
Soaps, Toilet. C. H. Oehmig-Weldlich. 196,944; Dec. 2.
Spots, stains, etc., from clothing and the like. Appliance for removing. J. F. Kasnicka. 188,373; Dec. 2.

CLASS 5.

Adhesive cements and pastes, adhesive tapes, etc. Van Cleef Bros. 203,288; Dec. 2.

CLASS 6.

Bay rum, hair tonic, essence of peppermint, etc. Fehborn Pharmacal Co. 203,231; Dec. 2.
Capsules. M. Regelson. 200,730; Dec. 2.
Colloidal clay. Chemically-treated. Filtrrol Company. 202,982; Dec. 2.
Cream, Face. E. V. Duss. 202,492; Dec. 2.
Cream, Skin. L. J. Horowitz. 202,253; Dec. 2.
Creams, Toilet. Mital Manufacturing Company. 198,719; Dec. 2.

Fire-extinguishing compound, Chemical. A. Wineburgh. 204,137; Dec. 2.

Hair and scalp preparations. J. Schaeffer, Inc. 203,442; Dec. 2.

Hair tonic, scalp remedy, and headache tablets. Ziz Laboratories, Inc. 203,704; Dec. 2.

Hair waving and curling preparation. Marshall Field & Company. 203,461; Dec. 2.

Luliment. A. Blumenkranz. 189,608; Dec. 2.

Luliment. Patrick Ellis & Company. 203,725; Dec. 2.

Luliments. J. R. Watkins Company. 202,727; Dec. 2.

Medicinal preparation for treatment of respiratory disorders. F. E. Davis. 203,167; Dec. 2.

Medicinal preparations. Chas-O-Tone Co. 200,245; Dec. 2.

Medicine, Stomach. Worinby Co. 202,605; Dec. 2.

Ointment. L. J. Thompson. 183,178; Dec. 2.

Perfume and toilet water. Bonwit, Teller & Company. 203,366; Dec. 2.

Perfumery. Le Blume Import Co. 204,103; Dec. 2.

Perfumes, powders, creams, etc. T. L. Hogan. 203,036-7; Dec. 2.

Perfumes, toilet waters, and toilet powders. Dohps & Co. 203,702; Dec. 2.

Perfumes, toilet waters, face creams, etc. C. Lalanne. 188,839; Dec. 2.

Powder, Roach. Zalokar & Company. 198,828; Dec. 2.

Powder, Toilet. Palsades Manufacturing Company. 176,358; Dec. 2.

Preparation for the treatment of rheumatism and similar ailments. Rheum-A-Leaf Company. 202,714; Dec. 2.

Preparations for treating the scalp. Dr. William Ruth-erford Baykin's Modern Medical Beauty College. 200,352; Dec. 2.

Purgative candy, Peppermint. E. A. Keefer. 203,317; Dec. 2.

Salts, Medicinal. Rose Salatorium Co. 204,198; Dec. 2.

Toilet water. A. J. Krank. 201,666; Dec. 2.

Tonic, General. B. Huston. 199,889; Dec. 2.

Viscous and plastic compositions. Britton Brothers. 203,163; Dec. 2.

CLASS 8.

Smoking pipes, cigar holders, and cigarette holders. L. & H. Stern, Inc. 194,749; Dec. 2.

CLASS 9.

Ammunition. Remington Arms Company. 188,159; Dec. 2.

CLASS 12.

Boards. E. W. Grove Company. 202,340; Dec. 2.

Cardboard, Compressed. La Suberina, Sociedad Anonima. 200,105; Dec. 2.

Composite material formed of layers of fibrous material. Fibroc Insulation Company. 197,477; Dec. 2.

Doors, Wooden. Paine Lumber Company. 187,016; Dec. 2.

Doors, Wooden. Paine Lumber Company. 187,763; Dec. 2.

Lath, Metal. Goldsmith Metal Lath Company. 187,358; Dec. 2.

Roofing felts and asphalt, Composition. Warren-Ehret Company. 199,912; Dec. 2.

Roofing materials. M. N. Cartier & Sons Company. 201,076; Dec. 2.

Roofing, Prepared. Beaver Products Company. 203,159; Dec. 2.

Roofing, Prepared. Beaver Products Company. 203,161; Dec. 2.

Seafolding, ladders, and the like, Parts for. John S. Tilley Ladders Co. 201,598; Dec. 2.

CLASS 13.

Dustpans. S. Lewis. 203,045; Dec. 2.

Shank stiffeners for leather shoes, Metal. F. G. Delbon. 192,173; Dec. 2.

CLASS 14.

Metal castings, rolled rods, forgings, etc. Wheeling Bronze Casting Co. 202,840; Dec. 2.
Steel castings. Stryer Steel Casting Company. 203,012; Dec. 2.

CLASS 15.

Gasoline. Stoll Oil Refining Company. 203,210; Dec. 2.
Gasoline and Naphtha. Standard Oil Company of New York. 201,312; Dec. 2.

Gasoline, kerosene, and lubricating oils. Derby Oil Company. 202,859; Dec. 2.
Gasoline, motor-lubricating oil, kerosene, and fuel oil. Metro Stations, Inc. 196,749; Dec. 2.

Lubricants for wire rope. Wire Rope Lubricating Company. 202,305; Dec. 2.

Oil, Pine. Acme Products Company. 200,698; Dec. 2.

Oils and greases, kerosene, and gasoline, Lubricating. Miner-Edgar Company. 186,656; Dec. 2.

Oils and greases, Lubricating. Inter-Cities Oil Company. 203,316; Dec. 2.

Oils and greases, Lubricating automotive. F. W. Dryden. 202,052; Dec. 2.

Oils, Lubricating. Vacuum Oil Company. 199,866; Dec. 2.

CLASS 16.

Calcimine. West Coast Kalsomine Company. 198,333; Dec. 2.

Emamel, ground color, bronze paints, etc. Standard Plate Glass Company. 202,467; Dec. 2.

Lead, paints, pigments, etc. White. R. C. Jamieson & Co. Limited. 199,227; Dec. 2.

Lead, Red. Evans Lead Co. 202,335; Dec. 2.

Paint, Mixed and paste. Jas. H. Prince Paint Company. 195,764; Dec. 2.

Paint, Mixed and paste. Jas. H. Prince Paint Company. 195,766; Dec. 2.

Paint, Mixed and paste. Jas. H. Prince Paint Company. 195,769; Dec. 2.

Paint, Ready-mixed. M. J. Merkin Paint Co. 190,117; Dec. 2.

Paint, Ready-mixed. M. J. Merkin Paint Co. 190,119; Dec. 2.

Paint, varnishes, paint enamels, etc. Walpamur Company. 202,601; Dec. 2.

Paints. Integrity Paint Co. 202,504; Dec. 2.

Paints, etc., Ready-mixed. Baker Paint & Varnish Co. 204,002-4; Dec. 2.

Paints, Paste and ready-mixed. T. J. Ronan Company. 203,053; Dec. 2.

Paints, varnishes, paint enamels, and paint oils. S. C. Wagenman Paint Stores Company. 199,591; Dec. 2.

Polish for floors, furniture, and woodwork. B. B. Scudder. 201,777; Dec. 2.

Polishes. M. Wilson. 202,474; Dec. 2.

Shellac and button and garnet lac. Gum and orange. Angelo Bros. Limited. 195,620; Dec. 2.

Varnish. Grand Rapids Varnish Corporation. 202,584-5; Dec. 2.

CLASS 17.

Cigarettes. Balkan Cigarette Co. 201,172; Dec. 2.

CLASS 19.

Automobile bumpers. F. D. Cerf. 203,164; Dec. 2.

Automobiles. Hear Motor Company. 202,801; Dec. 2.

Automobiles and constructive parts thereof. Packard Motor Car Company. 203,970; Dec. 2.

Radishutters, steering-post braces, and spark and throttle extensions. Central Stamping Co. 184,936; Dec. 2.

Trucks, Floor. Nutting Truck Company. 203,239; Dec. 2.

CLASS 20.

Oilcloth-type fabric. New Pegamold Limited. 200,150; Dec. 2.

CLASS 21.

Radio apparatus, parts, and appurtenances. Victor Talking Machine Company. 195,203-5; Dec. 5.

CLASS 22.

Baseballs, baseball gloves and mitts, bats, etc. Western Sporting Goods Mfg. Co. 202,427; Dec. 2.

Cards, Playing. J. C. Gaffney. 186,471; Dec. 2.

Dolls. E. P. Westwood. 186,766; Dec. 2.

Fish gaffs. O. A. Norlund. 203,385; Dec. 2.

Fishing rods and reels. Montague City Rod Co. 203,137; Dec. 2.

Footballs. W. T. Grant Company. 203,413; Dec. 2.

Game blocks similar to dominoes. B. Abo. 181,159; Dec. 2.

Game, Educational card. H. H. McNair. 200,211; Dec. 2.

Golf tees. Morley Button Manufacturing Company. 203,583; Dec. 2.

CLASS 23.

Can openers. Brenton & Company. 201,428; Dec. 2.

Filters and air cleaners for internal-combustion and other engines and carburetors. Oil. Winslow Manufacturing Company. 203,246; Dec. 2.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rug-making, sizing, and stretching machines, variable speed pulleys, etc. Flint. Chief Manufacturing Company. 185,243; Dec. 2.
Saws, saw handles, inserted saw teeth, etc. Henry Diston & Sons, Incorporated. 203,027; Dec. 2.
Screw machines, sprockets, wrenches, etc. New Britain Machine Co. 199,489; Dec. 2.
Tools, Hay. F. E. Myers & Bro. Co. 158,783; Dec. 2.
Vending machines. E. J. McBride. 202,132; Dec. 2.

CLASS 26.

Photographic plates, stereoscopes, stationary magic lanterns, etc. Pathé Cinéma. Anciens Etablissements Pathé Frères. 198,721; Dec. 2.
Pictures, motion-picture films, machines for taking and projecting pictures, etc. C. E. Elliott. 200,675; Dec. 2.

CLASS 31.

Refrigerators. Earnshaw Manufacturing Corporation. 203,028; Dec. 2.

CLASS 32.

Baby yards. J. S. Waterhouse. 195,928; Dec. 2.

Pillows. Comfort Pillow Corporation. 201,651; Dec. 2.

CLASS 33.

Bottles, jars, jugs, etc. Icy-Hot Bottle Company. 167,638; Dec. 2.

Glass and crystals, Watch. Hammel, Riglander & Co. 204,316; Dec. 2.

Glass, Illuminating fixtures. Gillinder & Sons, Inc. 186,783; Dec. 2.

CLASS 34.

Reflectors and devices for securing same within a head lamp, Metal. Flintite Limited. 184,331; Dec. 2.

Stoves and ranges and parts thereof. Gas. Scott Gas Appliance Company. 185,499; Dec. 2.

Stoves, Brooder. Royal Manufacturing Company. 199,022; Dec. 2.

CLASS 35.

Inner tubes. W. T. Grant Company. 203,311; Dec. 2.

CLASS 37.

Blanks, Order. Advertising Agencies Corporation. 174,717; Dec. 2.

Crayons, Colored. American Lead Pencil Company. 202,918-20; Dec. 2.

Indexes and parts thereof. Library Bureau. 202,558; Dec. 2.

Paper and pads, Drawing. Burdette-Murray Company. 168,608; Dec. 2.

Paper, Toilet. J. H. Newbauer & Co. 198,878; Dec. 2.

Paper, tracing paper and cloth, etc., Drawing. Keuffel & Esser Company. 199,632; Dec. 2.

Stamping machine, Automatic. G. G. Merf. 198,815; Dec. 2.

CLASS 38.

Books and forms, Blank. Community System Service Corporation. 198,789; Dec. 2.

Magazine, Annual. Moore Printing Co. 202,633; Dec. 2.

Newspaper columns, magazine articles, and feature articles. W. W. Nordenholt. 189,372; Dec. 2.

Publications, Monthly. M. M. Kallman. 199,557; Dec. 2.

Reports for editorial writers, Weekly. Editorial Research Reports. 200,249; Dec. 2.

CLASS 39.

Bloomers, Ladies' and children's. J. Baach Company. 203,929; Dec. 2.

Hats. Mallory Hat Company. 201,851; Dec. 2.

Hats, New England Panama Hat Co. 184,092; Dec. 2.

Hats, Ladies'. J. Marrow. 201,361; Dec. 2.

Hats, Ladies'. Powers & Allen Co. 204,193; Dec. 2.

Hosiery. F. F. Lawall. 203,684; Dec. 2.

Hosiery. Rollins Hosiery Mills. 203,838-9; Dec. 2.

Hosiery, Men's. F. A. Smith. 195,546; Dec. 2.

Shoes. Pincus and Tobias Inc. 201,857; Dec. 2.

Soles, Rubber half. Charles Hale & Bro. 201,895; Dec. 2.

CLASS 40.

Fringes and gimps for drapery trimmings. E. L. Mansure Company. 192,710; Dec. 2.

Hair curlers, crimpers, formers, and frames. R. Schearblum. 168,983; Dec. 2.

Snap fasteners, Large. Carr Fastener Company. 186,351; Dec. 2.

CLASS 41.

Umbrella-tip guards. G. Schlemmer. 203,906; Dec. 2.

CLASS 42.

Bedsprings. Bates Manufacturing Company. 198,445; Dec. 2.

Binding strips or ribbons, Textile. Freyberg Bros. Inc. 193,702; Dec. 2.

Cotton cloth, towels, and toweling. Boott Mills. 191,217; Dec. 2.

329 O. G.—17a

Cotton fabrics. Weeks, Sawyer & Company. 204,254; Dec. 2.

Cotton piece goods. Mains & Grebenstein Inc. 203,963; Dec. 2.

Cotton piece goods. Max Schwarz Textile Corporation. 201,047; Dec. 2.

Cotton piece goods. S. Slater & Sons, Inc. 203,843; Dec. 2.

Ginghams and chevrets. M. Haiff & Bro. 201,935; Dec. 2.

Knitted cloth, Artificial-silk. Banner Silk Knitting Mills, Inc. 201,875; Dec. 2.

Linens, scarfs for use with furniture, pillow slips, and table covers, laces, Decorative. Powers, Friend & Lichtman. 179,427; Dec. 2.

Muslin, Bleached. J. C. Penney Company. 201,373; Dec. 2.

Napkins, tablecloths, and dollies, etc. Icy-Hot Bottle Company. 167,640; Dec. 2.

Poplin broadcloth, Mercerized-finished woven cotton. Wm. Anderson Textile Mfg. Co. 202,235; Dec. 2.

Ribbons and broad piece goods of silk, artificial silk, cotton, and mixtures thereof. Kaltenbach & Stephens, Inc. 204,174; Dec. 2.

Rugs, Jute and cotton. David Hassett Corporation. 202,498; Dec. 2.

Shirting, underwear, and dress fabrics, etc. W. L. Well. 202,651; Dec. 2.

Silk and cotton piece goods. Bert Levi & Co. 200,840; Dec. 2.

Silk piece goods. United Silk Company. 203,015; Dec. 2.

Woolen goods in the piece and in cut lengths. S. Stein & Co. 204,060-5; Dec. 2.

Woolen piece goods. Forstmann & Huffmann Company. 187,925; Dec. 2.

Woolen piece goods. Forstmann & Huffmann Company. 187,927; Dec. 2.

Woolen piece goods. Forstmann & Huffmann Company. 187,929; Dec. 2.

CLASS 43.

Yarns. Joseph Bonn Corporation. 204,301; Dec. 2.

CLASS 44.

Nipples, Nursing. L. M. Block. 203,160; Dec. 2.

Rubber reducing garments. J. Stein. 203,057; Dec. 2.

Sanitary barber-neck strips. Kimberly-Clark Company. 203,576; Dec. 2.

Sanitary belts. Gripad Co. 201,954; Dec. 2.

Sanitary cups, bedpans, and feeding cups. Meinecke & Company. 190,511; Dec. 2.

Teething devices, Infants'. T. Schmid. 203,147; Dec. 2.

CLASS 45.

Beverage and sirups for the manufacture of same. Texo-Cola Company. 167,275; Dec. 2.

Beverage, Preparation for making a nonalcoholic, malt-less. John Mackay and Company Limited. 187,427; Dec. 2.

Beverage sold as a soft drink. Carolina Beverage Company. 202,657; Dec. 2.

Beverage sold as a soft drink. A. G. Davis. 203,074; Dec. 2.

Beverage sold as a soft drink. World Bottling Co. 203,500; Dec. 2.

Beverage sold as a soft drink and sirups for making the same. Happiness Candy Stores Inc. 202,292; Dec. 2.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Coffee, tea, cocoa, etc. Rhode Island Wholesale Grocery Co. 190,855; Dec. 2.
 Confectionery. Daggett Chocolate Company. 185,204; Dec. 2.
 Eggs and live poultry. W. D. Holterman. 198,187; Dec. 2.
 Flavoring extracts, Food. Central Specialty Products Company. 200,308; Dec. 2.
 Flour, Prepared cake and pastry. Waukesha Flour Mills. 201,912; Dec. 2.
 Flour, Wheat and Graham. Nebraska Consolidated Mills Company. 193,349; Dec. 2.
 Flour, Wheat and Graham. Nebraska Consolidated Mills Company. 202,674; Dec. 2.
 Fruit, Fresh. A. Roca. 204,280; Dec. 2.
 Grapes, Fresh. Altman Bros. & Freedman. 200,170; Dec. 2.
 Grapes, Fresh. G. R. Buckingham. 201,608; Dec. 2.
 Grapes, Fresh. R. A. Wheeler. 200,469; Dec. 2.
 Ham and bacon and lard, Smoked. Detroit Packing Company. 187,502; Dec. 2.
 Ice cream. H. M. Goldberg. 163,441; Dec. 2.
 Ice-cream cones. Cone Sundae Mfg. Co. 188,149; Dec. 2.
 Ice-cream confections. A. E. Sibley. 183,344; Dec. 2.
 Jelly concentrate. J. C. Reilly and R. T. Northcutt. 202,776; Dec. 2.
 Malt extract. Meehan Grocer Company. 198,660; Dec. 2.
 Meal and other products made of oats. O. L. Gyllenhammar. 190,684; Dec. 2.
 Meat products, etc. Potted and deviled. Purity Packing Company. 148,755; Dec. 2.
 Milk, Fresh. Breyer Ice Cream Company. 203,508; Dec. 2.
 Mustard, Preparation of. J. & J. Colman, Limited. 201,741; Dec. 2.
 Noodles, macaroni, and spaghetti. Alexander Galliani Co. 202,583; Dec. 2.
 Nut-candy bar. V. Kivritz. 189,316; Dec. 2.
 Oatmeal, rye meal, and rolled oats. O. L. Gyllenhammar. 190,410-11; Dec. 2.
 Oats and other preparations made of oats. Groats of O. L. Gyllenhammar. 190,413; Dec. 2.
 Oil, Cottonseed salad. Western Meat Company. 202,834; Dec. 2.
 Oleomargarine. Western Meat Company. 202,831; Dec. 2.
 Oleomargarine. Western Meat Company. 202,835-6; Dec. 2.
 Potatoes. Idaho Falls Potato Growers. 187,107; Dec. 2.
 Poultry, butter, eggs, cheese, etc. Dressed. Western Meat Company. 202,837; Dec. 2.
 Relishes, Table. Pögn Co. 203,201; Dec. 2.
 Sardines in oil. Araujo & Bastos Lda. 189,838; Dec. 2.
 Sausages. Western Sausage & Provision Co. 198,601; Dec. 2.
 Shoulders and pies. Swift and Company. 200,788; Dec. 2.
 Tea. Scoville, Brown & Company. 202,360; Dec. 2.
- CLASS 48.
 Malt beverages. A/S De Forenede Bryggerier. 194,386; Dec. 2.
 Malt extracts. A/S De Forenede Bryggerier. 194,387; Dec. 2.
- CLASS 50.
 Cotton fabrics impregnated with nonslipping and insect-repelling preparations. R. Hayes. 201,029; Dec. 2.
 Ladders, Chain. F. J. Bryant. 202,738; Dec. 2.
 Mats. F. C. Brewer. 202,737; Dec. 2.
 Tents, water bags, and all canvas articles. Schaefer Tent & Awning Company. 203,867; Dec. 2.
 Waterproof bedding. Nevawet Mfg. Co. 199,078; Dec. 2.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 2d DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Abrams, Herbert T. (See Bayles, L. C., and Abrams.)
 Abrego, Everisto. San Antonio, Tex. Motor head. 1,517,336; Dec. 2.
 Abt, Stephen J., New Haven, Conn. Automatic setting device for phonographs. 1,517,690; Dec. 2.
 Aeromarine Plane & Motor Co. (See Robinson, Hugh A., assignor.)
 Aftergut, Max, Berlin-Tempelhof, Germany. Piston pump and sprayer bottle. 1,517,932; Dec. 2.
 Aikens, Thomas N. (See Arnt, H. P., and Aikens.)
 Aktiebolaget Original-Ödner. (See Von Post, Carl G., assignor.)
 Albertson & Company. (See Albertson, Frans O., assignor.)
 Albertson, Frans O., assignor to Albertson & Company, Sioux City, Iowa. Power-transmitting arrangement. 1,517,240; Dec. 2.
 Alexander, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radio transmitting system. 1,517,816; Dec. 2.
 Alleman, Jacob B., Beaumont, Tex. Valve-seat-removing mechanism. 1,517,883; Dec. 2.
 Allen, Herman J. (See Krone, F., Allen, Lee, and Garlough.)
 Allen, Robert C., Lakewood, Ohio, assignor to Henry L. Doherty & Company, New York, N. Y. Method of and apparatus for activating charcoal. 1,517,523; Dec. 2.
 Almen, John O., Seattle, Wash. Piston bearing for internal-combustion engines. 1,517,386; Dec. 2.
 Alumnium Seal Company. (See Boothman, Dale M., assignor.)
 Aman, Josephine. (See Hartenstein, Willy, assignor.)
 American Automatic Connector Company, The. (See Kothe, Charles A., assignor.)
 American Blower Company. (See Still, Frederick R., assignor.)
 American Can Company. (See Bryant, Harvey L., assignor.)
 American Can Company. (See Tevander, Swan N., assignor.)
 American Casting and Manufacturing Corporation. (See Dietze, Emil, assignor.)
 American Coke & Chemical Company. (See Kus, Thomas G., assignor.)
 American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
 American Hardware Corporation, The. (See Telch, Ernest L., assignor.)
 American Manganese Steel Company. (See Nichols, Wesley G., assignor.)
 American Manganese Steel Company. (See Young, Donald H., assignor.)
 American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
 American Production Company. (See Bugg, Owen T., assignor.)
 American Radiator Company. (See Mertzanoff, André M., assignor.)
 American Telephone and Telegraph Company. (See Potts, Louis M., assignor.)
 American Telephone and Telegraph Company. (See Rhodes, William A., assignor.)
 Ames, Charles E., Millsap, Tex. Clothesline. 1,517,933; Dec. 2.
 Anderson, Charles E., Sioux Falls, S. Dak. Cigarette holder. 1,517,934; Dec. 2.
 Anderson, Harley E., Chicago, Ill., assignor to Bosworth, Moore & Carscadin. Apparatus for manipulating brakes. 1,517,692; Dec. 2.
 Anderson, Harry J., assignor to Motor Player Corporation, Chicago, Ill. Automatic musical instrument. 1,517,884; Dec. 2.
 Anderson, Irvin O., Trinidad, Colo. Variable-inductance tuner. 1,517,691; Dec. 2.
 Andrews, R. C., et al., (See McCauley, John W., assignor.)
 Arends, Joseph H., Chicago, Ill. Automatic stop and replaying device. 1,517,387; Dec. 2.
 Arnstein, Karl, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Stern construction of rigid airships. 1,517,885; Dec. 2.
 Arnt, Herald P., and T. N. Aikens, Lakewood, Ohio. Die. 1,517,693; Dec. 2.
 Arnt, Herald P., and T. N. Aikens, Lakewood, Ohio. Wheel-spoke die and method of its use. 1,517,694; Dec. 2.
 Arras, George, and D. E. Worrell, Chicago, Ill. Making lamp sockets. 1,517,524; Dec. 2.
 Azsianlan, Valian, Springfield, Mass. Dish. 1,517,388; Dec. 2.
 Aseptic Service Company. (See Rees, Warren C., assignor.)
 Assant, André. (See Joannet, C., and Assant.)
 Atkins, Alfred W., Brooklyn, N. Y. Casting machine. 1,517,608; Dec. 2.
 Atkins, Alfred W., Brooklyn, N. Y. Casting machine. 1,517,609; Dec. 2.
 Atlas Devices Company. (See Dinspel, William H., assignor.)
 Attleboro Braiding Co. (See Burlingame, Fred E., assignor.)
 Atwood, Edwin W. (See Copeman, Lloyd G., assignor.)
 Audlaune, Paul, and G. Bachalard, assignors to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France. Preparation of sulphuric anhydride by contact by means of vanadium salts. 1,518,043; Dec. 2.
 Aufderheide, Benjamin P., assignor of one-half to W. F. Young, Davenport, Iowa. Window stoplock. 1,517,817; Dec. 2.
 Ault, Isaac L., Comanche, Okla. Valve-seat-removing tool for pumps. 1,517,525; Dec. 2.
 Austin, Alonzo J., assignor of one-third to D. I. Salt and one-third to F. F. Heater, Seattle, Wash. Head guard. 1,517,886; Dec. 2.
 Automat Paper Box Co. (See Weiss, Leo and A., assignors.)
 Automatic Electric Company. (See Engsborg, Ralph W., assignor.)
 Automatic Electric Company. (See Thomas, Albert D., assignor.)
 Automatic Merchandizer, Inc., The. (See Lea, Charles, assignor.)
 Automatic Non-Skid Chain Company. (See Craddock, Simon M., assignor.)
 Automatic Wrapping Machine Company. (See Schollin, Axel R., assignor.)
 Avery, Charles E., East Orange, assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J. Electric switch. 1,518,041; Dec. 2.
 Avery, Charles E., East Orange, assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J. Toggle switch. 1,418,042; Dec. 2.
 Ayer, Albert E., Winthrop, assignor to W. H. McElwain Company, Boston, Mass. Automatic counter-molding machine. 1,517,337; Dec. 2.
 Ayer, Albert E., Winthrop, assignor to W. H. McElwain Company, Boston, Mass. Automatic counter-molding machine. 1,517,695; Dec. 2.
 Aylett, Thomas J., Rainsgate, assignor to Strehanpres Trouser Appliance Company, Limited, London, England. Trousers stretcher. 1,517,771; Dec. 2.
 Azamber, John, Pittsburg, Kans. Bin mounting for kitchen cabinets. 1,517,935; Dec. 2.
 Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
 Bachalard, Gabriel. (See Audlaune, P., and Bachalard.)
 Badowski, Alfred, assignor to Thrometer Valve Corporation of America, Charleston, W. Va. Pressure gauge for pneumatic tires. 1,517,484; Dec. 2.
 Badowski, Alfred, assignor to Thrometer Valve Corporation of America, Charleston, W. Va. Tire-stem pressure gauge. 1,517,485; Dec. 2.
 Badowski, Alfred, assignor to Thrometer Valve Corporation of America, Charleston, W. Va. Transparent cap for tire-stem pressure gauges. 1,517,486; Dec. 2.
 Baetz, Henry, St. Louis, Mo. Air heater. 1,517,487; Dec. 2.
 Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
 Baker, Clarence W., et al. (See Morco, Earl H., assignor.)
 Baker, Reuben C., assignor to Baker Casing Shoe Company, Coalinga, Calif. Elevator safety device. 1,517,936; Dec. 2.

Balko, Charles, Van Meter, Pa. Fountain comb. 1,517,696; Dec. 2.
 Ballantine, John H., Cedarhurst, assignor to Neptune Meter Company, New York, N. Y. Thermostatic gas-control device for water heaters. 1,517,389; Dec. 2.
 Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Augmenter cooler. 1,517,488; Dec. 2.
 Barber-Colman Company. (See Colman, Howard D., assignor.)
 Barking, Archie R. (See Brown, Harry M., assignor.)
 Barneby, Oscar L., Detroit, Mich. Rapid-reaction furnace. 1,517,526; Dec. 2.
 Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,517,937; Dec. 2.
 Barratt, William T., Bennington, Vt. Stop-motion mechanism with tripper device. 1,517,390; Dec. 2.
 Barratt, William T., Bennington, Vt. Spring-actuated stop motion for knitting machines. 1,517,591; Dec. 2.
 Barrett, Edward R., Detroit, Mich. Convertible vehicle body. 1,517,697; Dec. 2.
 Barwood, Leon J., Alhston, Mass. Pump piston. 1,517,480; Dec. 2.
 Bascom, Willard N., Bronxville, N. Y. Liquid-distributing composition. 1,518,044; Dec. 2.
 Bassett, James H. (See Craft, L. W., and Bassett.)
 Bauer, Charles G., Detroit, Mich., assignor, by mesne assignments, to J. K. Lanning, Fall River, Mass. Knitting machine. 1,517,698; Dec. 2.
 Bauer, Perry S., Chicago, Ill. Motor-driven vehicle. 1,518,045; Dec. 2.
 Bayles, Lewis C., Easton, Pa., and H. T. Abrams, Orange, assignors to Ingersoll-Rand Company, Jersey City, N. J. Regulator for air lift pumps. 1,517,490; Dec. 2.
 Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Forming tool for channeler bits. 1,517,491; Dec. 2.
 Bayless, Charles O., assignor of one-half to W. H. Gerdes, Dayton, Ohio. Resilient insert for shoes. 1,517,610; Dec. 2.
 Bearman, Bert E., Fort Scott, Kans. Automatic spark-retarding device. 1,517,527; Dec. 2.
 Beauchemin, Arthur, Burlington, Vt., assignor to Draper Corporation, Hopedale, Mass. Pickerstick check. 1,518,117; Dec. 2.
 Beaver, Charles J., Hale, assignor to W. T. Glover and Company Limited, Trafford Park, Manchester, England. Apparatus for applying helically-wound insulation to cables. 1,517,818; Dec. 2.
 Bechtel, Theodore B., assignor to F. J. Ryan & Company, Philadelphia, Pa. Electric furnace. 1,517,938; Dec. 2.
 Becket, Frederick M., assignor to Electro Metallurgical Company, New York, N. Y. Wear-resisting chrome-iron member. 1,517,392; Dec. 2.
 Beckwith, Harry H. (See Swett, Charles E., assignor.)
 Bedford, Frederick, assignor to Bedford Headlight Company, Stratton, Nehr. Headlight. 1,517,393; Dec. 2.
 Bedford Headlight Company. (See Bedford, Frederick, assignor.)
 Beer, Hans, Rathbor, Upper Silesia, assignor to Rutgerswerke Aktiengesellschaft, Abteilung-Planawerke, Berlin, Germany. Producing carbon electrodes and the product thereof. 1,517,819; Dec. 2.
 Belcher, Jerold G., Athens, Ohio. Hook end or similar article. Dec. 2.
 Belden, Russell D., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Tire tread. Dec. 2.
 Bell, George F., Tulsa, Okla. Traction-increasing device. 1,517,939; Dec. 2.
 Bellairs, John W., Mishawaka, Ind. Fabric-roll-end protector. 1,517,940; Dec. 2.
 Beneke & Kropf Manufacturing Company. (See Hinkle, Walter F., assignor.)
 Bengston, John A., assignor of one-half to H. Swanson, Kane, Pa. Gas burner. 1,517,394; Dec. 2.
 Benjamin Electric Manufacturing Company. (See Leinen, Arthur P., assignor.)
 Benjamin Electric Manufacturing Company. (See Phillips, Paul D., assignor.)
 Benjamin Electric Manufacturing Company. (See Warner, Chester E., assignor.)
 Benjamin, Maxwell W., et al. (See Flint, Floyd F., assignor.)
 Benner, Harry P. (See Egloff, G., and Benner.)
 Berg, Joseph, Brooklyn, N. Y. Weatherproof container. 1,517,273; Dec. 2.
 Bergquist, Carl F., assignor of one-half to N. J. Vellne, Minneapolis, Minn. Extension lawn sprinkler. 1,517,664; Dec. 2.
 Berry, Irwin, Wilmette, Ill. Hopper. 1,517,887; Dec. 2.
 Bessière, Gustave, Neuilly-sur-Seine, France. Propelling bicycles and small vehicles. 1,517,338; Dec. 2.
 Biffinger, Robert. (See Specketer, H., Sell, and Biffinger.)
 Billon, Frederic. (See Schneider, J., Billon, and Hurlmann.)
 Binford, Herman S., Modesto, Calif. Almond separator and grader. 1,517,941; Dec. 2.
 Bingham, Samuel H. (See Fraser, Edwin J., assignor.)
 Bishop, George E., Iuka, Miss. Shovel fastening. 1,517,942; Dec. 2.
 Blackman, Albert E., New York, N. Y. Metal-box corner fastener. 1,517,528; Dec. 2.

Blake, C. C., Incorporated. (See Fernald, Mark E., assignor.)
 Blanding, Forrest H., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cutting tool. 1,517,395; Dec. 2.
 Bliffert, Walter J., Milwaukee, Wis. Pedal lock. 1,517,699; Dec. 2.
 Bloom, Joseph, New York, N. Y. Stitcher-wheel drive. 1,518,046; Dec. 2.
 Blumenthal, Sidney, & Co. (See Gowans, James, assignor.)
 Blyberg, George, Reedsport, Oreg. Safety envelope. 1,517,943; Dec. 2.
 Bobbitt, James F., Greenwood, Miss. Securing flexible tile roofing. 1,517,944; Dec. 2.
 Boettcher, Arthur H., Chicago, Ill. Aerial photography. 1,517,529; Dec. 2.
 Bokum, William F., and J. H. Senior, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Lapping machine. 1,517,945; Dec. 2.
 Bonz, Eduard, Suchtein, Germany. Lining furnaces, converters, and the like. 1,517,820; Dec. 2.
 Bonta, Charles C., Louisville, Ky. Demountable tire rim. 1,517,274; Dec. 2.
 Boothman, Dale M., Parnassus, assignor to Aluminum Seal Company, Pittsburgh, Pa. Closure seal. 1,517,396; Dec. 2.
 Borkey, Stephen F., Detroit, Mich. Refrigerating apparatus. 1,517,700; Dec. 2.
 Bosworth, Moore & Carscadin. (See Anderson, Harley E., assignor.)
 Bouvier, Maurice E., Lyon, assignor to Societe pour la Fabrication de la Soie Rhodanese, Paris, France. Treating fabrics for removing sizing or gum therefrom. 1,517,888; Dec. 2.
 Bowen, Henry E. (See Brooke, W., and Bowen.)
 Bower, Ferdinand A., Flint, assignor to General Motors Corporation, Detroit, Mich. Wheel. 1,517,821; Dec. 2.
 Boyle, Willis J., and E. W. Roe, Los Angeles, Calif. Bunching construction for oil barrels. 1,517,530; Dec. 2.
 Boynton, Alexander, San Antonio, Tex. Telescope air valve and operating means therefor. 1,517,611; Dec. 2.
 Brandberry, Myron, Bloomdale, Ohio. Concrete form. 1,517,946; Dec. 2.
 Brandtetter, Josef, Chicago, Ill. Phonograph stop. 1,517,822; Dec. 2.
 Brandt-Automatic Cashier Company. (See Brandt, Edward J., assignor.)
 Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin-delivery apparatus. 1,517,397; Dec. 2.
 Brannan, William T., Eldred, Ill. Chain fastener. 1,517,701; Dec. 2.
 Brannstrom, Gustaf V., and V. J. Carlson, Chicago, Ill. Brush. 1,517,492; Dec. 2.
 Brasseur, Ernest J., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Stencil-duplicating machine. 1,517,275; Dec. 2.
 Briggs & Stratton Company. (See Jacob, Edward N., assignor.)
 Brockhouse, John T., West Bromwich, England. Pivoted joint. 1,517,612; Dec. 2.
 Broderick & Bascom Rope Co. (See Knapp, Louis A., assignor.)
 Brooke, Wilfrid, Hale, and H. E. Bowen, Sheffield, assignors of one-fourth to E. Holme and Company Limited, Altrincham, and one-fourth to Steel, Peck and Tozer Limited, Ickles, near Sheffield, England. Control of electric lifting magnets. 1,517,276; Dec. 2.
 Brown, Allen W. (See Finley, T. M., and Brown.)
 Brown, Alvin, Plainfield, Ill. Tractor planter. 1,517,823; Dec. 2.
 Brown, Bartlett W. (See Emerson, Alfred W., assignor.)
 Brown Company. (See Parker, H., and Sleeper, assignors.)
 Brown, Elliott R. (See Nordstrom, M., and Brown.)
 Brown, Fred W., Cleveland, Ohio. Device for separating fruit juices from pulp. 1,517,339; Dec. 2.
 Brown, Harry M., New Kensington, assignor of one-half to A. R. Barking, Penn. Pa. Car coupler. 1,517,947; Dec. 2.
 Brown, Phelps, and I. B. Hendrickson; said Hendrickson assignor of his entire right to Wico Electric Company, Springfield, Mass. Magneto. 1,517,948; Dec. 2.
 Brown, Samuel S., Smiley, Saskatchewan, Canada. Pump. 1,517,824; Dec. 2.
 Bruback, Theodore M. (See Linaker, F. W., and Bruback.)
 Brubaker, Otto L., assignor to A. M. Turel, San Jose, Calif. Cartridge adapter and ammunition therefor. 1,517,702; Dec. 2.
 Brumage, William A., Milwaukee, Wis. Rod for connecting switch points. 1,517,398; Dec. 2.
 Bruneau, Eugene, Washington, D. C. Tipool. 1,517,825; Dec. 2.
 Bruzac, Andre. (See Constant, G., and Bruzac.)
 Bryant Electric Company, The. (See Catlin, Hoyt, assignor.)
 Bryant, Harvey L., Brooklyn, N. Y., assignor to American Can Company, San Francisco, Calif. Method of and apparatus for compound-lining can ends. 1,517,340; Dec. 2.
 Buchanan, Omar B., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,517,277; Dec. 2.

Buffalo Forge Company. (See Manquen, John E., assignor.)
 Bug, Owen T., Cleveland Heights, Ohio, assignor to American Production Company, Beacon, N. Y. Snow converter. 1,517,949; Dec. 2.
 Bulger, Michael E., assignor to Middle West Mfg. Co., Beaver Dam, Wis. Snow shovel. 1,517,341; Dec. 2.
 Bullock, Arthur R., Elmwood, Nehr. Hatching device. 1,517,950; Dec. 2.
 Bumstead, Albert W., assignor of one-half to H. F. Fischer, New Britain, Conn. Demountable rim. 1,518,047; Dec. 2.
 Burch, Lawrence A., Jamestown, N. Y. Tool handle. 1,517,399; Dec. 2.
 Burkel, Mathew J., and L. P. Fosnot, Aurora, Ill. Valve-spring lifting device. 1,517,899; Dec. 2.
 Burlingame, Fred E., Pawtucket, R. I., assignor to Attleboro Braiding Co., South Attleboro, Mass. Lacing tip. 1,517,342; Dec. 2.
 Burnett, Blanche M., Highland Park, Mich. Book end. Dec. 2.
 Burnett, Richard W., Chicago, Ill. Car roof. 1,517,531; Dec. 2.
 Burton, Thomas J., Plainview, Minn. Gate. 1,517,400; Dec. 2.
 Buschberger, Georg, assignor to L. Kahn, Frankfurt-on-the-Main, Germany. Automatic interrupter for electric conduits. 1,517,532; Dec. 2.
 Butterfield, Fred, & Co. (See Vandergaw, E. B., and Heinrich, assignors.)
 Byer, Solomon, New York, N. Y. Garter. 1,517,703; Dec. 2.
 Cadbury Brothers Limited. (See Hackett, Henry, assignor.)
 Cade, Charles W., Bellevue, assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Truck. 1,517,951; Dec. 2.
 Calderwood, Frederic S., Riverton, N. J., and R. E. Zerunith, Philadelphia, Pa., assignors to Victor Talking Machine Company. Stopping mechanism. 1,517,401; Dec. 2.
 Cambern, Arthur F., et al. (See De Paye, Jean, assignor.)
 Canada Cycle & Motor Company. (See McLinden, William J., assignor.)
 Canizaro, Peter C., Vicksburg, Miss. Shoe-tongue device. 1,517,704; Dec. 2.
 Capo, Edward G. (See Llera, F. P., and Capo.)
 Capparella, Thomas, assignor of one-third to L. H. Greve, New York, N. Y. Dispensing machine. 1,517,952; Dec. 2.
 Carlson, Verner J. (See Brannstrom, G. V., and Carlson.)
 Carr Fastener Company. (See Carr, Moses F., assignor.)
 Carr, John, Des Moines, Iowa. Brush. 1,517,613; Dec. 2.
 Carr, Moses F., Lexington, assignor to Carr Fastener Company, Cambridge, Mass. Stud. 1,517,705; Dec. 2.
 Carter, Parke, Wichita, Kans. Oil burner. 1,517,614; Dec. 2.
 Cary, George W., assignor to Goodell Manufacturing Company, Greenfield, Mass. Miter box. 1,517,706; Dec. 2.
 Case, Francis M., assignor to E. Ransdell, Cleveland, Ohio. Casing support and bead-spreading apparatus. 1,517,278; Dec. 2.
 Castleman, Frank M., Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Tub or truck hoist for collieries. 1,517,707; Dec. 2.
 Cass, Levi A. (See Hall, J. E., Minkie, and Cass.)
 Catlin, Hoyt, assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment plug. 1,517,953; Dec. 2.
 Caughey, David, New York, N. Y. Internal-combustion-motor piston. 1,518,048; Dec. 2.
 Central Railway Signal Company. (See Dutcher, Frank, assignor.)
 Charbonneau, Leonard, Ogdensburg, N. Y. Automobile visor and auxiliary shield. 1,517,954; Dec. 2.
 Chase Companies Inc., The. (See Recker, Adolph C., assignor.)
 Chase, Irwin, Bayonne, N. J., assignor to The Elco Works of The Electric Boat Company. Pumping system. 1,517,665; Dec. 2.
 Chemische Fabrik Grisehalm-Elektron, The. (See Specketer H., Sell, and Biffinger, assignors.)
 Chicago Pneumatic Tool Company. (See Blanding, Forrest H., assignor.)
 Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Address-plate holder. 1,517,889; Dec. 2.
 Chocksey, Hormusji C., Bombay, Ind. Head covering. 1,518,049; Dec. 2.
 Christain, Dock, et al. (See Sartain, Louis M., assignor.)
 Christensen, Niels A., Milwaukee, Wis. Starting apparatus for internal-combustion engines. 1,517,533; Dec. 2.
 Chynoweth, William R., Battle Creek, Mich. Brush. 1,517,615; Dec. 2.
 Citizens of the United States of America. (See Thelen, Rolf.)
 Clark Brothers Company. (See Reid, Joseph S., assignor.)
 Clark, Cecil F. (See Clark, Mabel V. and C. F.)

Clark Equipment Company. (See Mogford, Edmund C., assignor.)
 Clark, Mabel V. and C. F., Long Beach, Calif. Snap-fastener attachment. 1,517,708; Dec. 2.
 Clarkson, Robert, East St. Louis, Ill. Can opener. 1,517,955; Dec. 2.
 Clavel, René, Basel, Switzerland. Treatment of union or mixed fabrics. 1,517,709; Dec. 2.
 Clayden, Arthur, Richmond, England. Winch. 1,517,616; Dec. 2.
 Cleem, Delphia H., Humboldt, Minn. Side-draft-reducing hitch for plows. 1,517,710; Dec. 2.
 Clemons, Harry K., St. Paul, Minn. Road grader. 1,517,711; Dec. 2.
 Cleveland Chain & Manufacturing Company, The. (See Cull, L. D., and Hughes, assignors.)
 Cleveland, Joseph E., Columbus, Ga. Mattress. 1,517,617; Dec. 2.
 Cluett, Peabody & Co. (See Cluett, Sanford L., assignor.)
 Cluett, Sanford L., assignor to Cluett, Peabody & Co. Inc., Troy, N. Y. Controlling device for folder bars. 1,517,493; Dec. 2.
 Coapman, John, assignor to Russel Motor Axle Company, Detroit, Mich. Gear casing for motor-vehicle wheels. 1,517,494; Dec. 2.
 Coats, Allan, Castlehead, Paisley, Scotland. Hydraulic clutch. 1,517,343; Dec. 2.
 Cole, Eugene M., Charlotte, N. C. Grading machine. 1,517,772; Dec. 2.
 Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Winder. 1,517,279; Dec. 2.
 Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann. (See Audlanne, P., and Bachard, assignors.)
 Compton, Otto L., Eatonville, Wash. Faucet. 1,517,956; Dec. 2.
 Conant, Arthur P. (See Wadsworth, A. W., and Conant.)
 Conger, Walter G., Independence, Mo. Radiotelephone receiver block. 1,518,050; Dec. 2.
 Connecticut Telephone & Electric Company, The. (See Groten, Frank J., Jr., assignor.)
 Constant, Georges, and A. Bruzac, Paris, France. Production of iron and steel by treating directly gangue-free ores. 1,517,402; Dec. 2.
 Cook, Stanley S. (See Parsons, C. A., and Cook.)
 Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Enamel composition. 1,517,618; Dec. 2.
 Copeman, Lloyd G., Belding, assignor to E. W. Atwood, Flint, Mich. Refrigerating apparatus. 1,517,534; Dec. 2.
 Corbitt, Samuel T., Enid, Okla. Sign. 1,517,957; Dec. 2.
 Cornwall, Frederick R., deceased, St. Louis, Mo., M. B. Cornwall, executrix, assignor, by mesne assignments, to M. B. Cornwall, St. Louis, Mo. Four-wheel truck. 1,517,535; Dec. 2.
 Cornwall, May B. (See Cornwall, Frederick R., assignor.)
 Cornwall, May B., executrix. (See Cornwall, Frederick R., assignor.)
 Corthell, D. L., St. Joseph, Mo. Advertising device. 1,517,958; Dec. 2.
 Costmeter Company. (See Quigley, John T., assignor.)
 Courtney, John W., Dewey, Okla. Rim. 1,517,403; Dec. 2.
 Courtney, John W., Dewey, Okla. Rim tool. 1,517,404; Dec. 2.
 Cox, Ray B., Berkeley, Calif. Shelf bracket. 1,517,959; Dec. 2.
 Cozette, René, Courbevoie, France. Carburetor. 1,517,666; Dec. 2.
 Craddock, Simon M., San Pedro, assignor to Automatic Non-Skid Chain Company, county of Los Angeles, Calif. Link for nonskid chains. 1,517,495; Dec. 2.
 Craft, Lewis W., and J. H. Bassett, Kansas City, Kans. Flexible connection for boilers. 1,517,344; Dec. 2.
 Crafton, John F., assignor of one-half to F. Keller, Chatham, Ill. Powder discharger. 1,517,405; Dec. 2.
 Crain, Burton E., Springfield, Mo. Automobile bed. 1,517,619; Dec. 2.
 Cramer, Leo J., et al. (See Haines, George B., assignor.)
 Cramp, William, & Sons Ship & Engine Building Company. (See Moody, Lewis F., assignor.)
 Crandall, James L., Malden, Mass. Bilge block. 1,517,345; Dec. 2.
 Crandall, James L., Malden, Mass. Chain and shackle. 1,517,346; Dec. 2.
 Crichton, Arthur M., Uniontown, Pa., assignor to Measured Service Meter Company. Measured-service telephone. 1,517,667; Dec. 2.
 Crichton, Leslie N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,517,280; Dec. 2.
 Crimmel, Alvie C., Hartford City, Ind. Muffe leer. 1,517,890; Dec. 2.
 Crompton & Knowles Loom Works. (See Holmes, E. R., and Hutchins, assignors.)
 Crompton & Knowles Loom Works. (See Hume, John E., assignor.)
 Crompton & Knowles Loom Works. (See Richardson, Oscar W., assignor.)

Crompton & Knowles Loom Works. (See Ryan, Eppa H., assignor.)
 Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Cast plate for lighting fixtures. Des. 66,110; Dec. 2.
 Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Cast plate for lighting fixtures. Des. 66,111; Dec. 2.
 Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Cast arm for lighting fixtures. Des. 66,112; Dec. 2.
 Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Cast plate for lighting fixtures. Des. 66,113; Dec. 2.
 Cucchi, Frank A. N., Brooklyn, N. Y. Maternity bed. 1,517,960; Dec. 2.
 Cull, Louis D., and H. T. Hughes, assignors to The Cleveland Chain & Manufacturing Company, Cleveland, Ohio. Chain-link connector. 1,517,536; Dec. 2.
 Cumfer, Harry A., Chicago, Ill., and O. D. McFarland, Mishawaka, Ind., assignors to The Flintkote Company, Boston, Mass. Roofing material. 1,517,826; Dec. 2.
 Cummings, Marshall F., Nashua, N. H., and N. G. Lapham, Chelmsford, assignors to Entwistle Company, Lowell, Mass. Pneumatic lint clearer for warping machines. 1,517,961; Dec. 2.
 Cunliff, Edward A., New Bedford, assignor to E. Y. Woolley, trustee, Newton Center, Mass. Bobbin-smash preventer for looms. 1,517,347; Dec. 2.
 Cupper, William, South Wingham, Mass. Splashguard. 1,517,409; Dec. 2.
 Czarski, William, Curry, Alaska. Fastener. 1,517,407; Dec. 2.
 Daggett, Fred L., Marion, Mass. Packaging and display box. 1,517,537; Dec. 2.
 Daman, Arthur C., Denver, Ohio. Crushing mill. 1,517,538; Dec. 2.
 Dandridge, Arthur G., and J. Thomas, assignors to Scottish Dyestuffs Limited, Carlisle, Cumberland, England. Manufacture of dyestuffs of the anthraquinone series. 1,518,051; Dec. 2.
 Dandelin, Emile H., Fall River, Mass. Picker for looms. 1,517,868; Dec. 2.
 Davis, Frank K., and C. C. Taylor, Washington, D. C., assignors to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,517,408; Dec. 2.
 Davis, Moses J., Pueblo, Colo. Headlight. 1,517,539; Dec. 2.
 Davis, Theodore J., San Francisco, Calif. Bookbinder. 1,517,712; Dec. 2.
 Day, Thomas, Company. (See Goddard, Wilfred B., assignor.)
 Dayton Manufacturing Company, The. (See Shultz, George W., assignor.)
 Dean, Charles S., Fairmont, W. Va. Steel mine tie. 1,517,962; Dec. 2.
 Deane, Jervis C., Washington, D. C. Photographic-printing apparatus. 1,517,669; Dec. 2.
 Deary, Sid., Chapel Hill, Tenn. Ballast spreader. 1,517,409; Dec. 2.
 Debnay, George C., Springdale, Pa. Building-block-molding machine. 1,517,713; Dec. 2.
 Dee, John F., and J. T. Whitlock, Chicago, Ill. Crude-oil burner. 1,517,436; Dec. 2.
 Deeley, Richard M., Kew, England. Lubricant and friction testing machine. 1,517,410; Dec. 2.
 Degen, Lewis, Berkeley, Calif. Electric signaling means and system. 1,517,714; Dec. 2.
 De Geus, Henry, Alphen, Mich., assignor to Owosso Sugar Company, Planter. 1,517,715; Dec. 2.
 De Grado, Joe, Houston, Tex. Hack-saw frame. 1,517,827; Dec. 2.
 De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
 Deiro-light Company. (See Starr, Frank F., assignor.)
 Delplano, Joseph. (See Mathis, A., and Delplano.)
 Dempsey, Ira, Delaware, Ark. File holder. 1,517,540; Dec. 2.
 Dennedy, James H., Detroit, Mich. Pressure-control device for switches. 1,517,541; Dec. 2.
 Denver Rock Drill Manufacturing Company, The. (See Noll, Gustave M., assignor.)
 De Payne, Jean, assignor of one-fourth to A. F. Cambern, Sayville, and one-eighth to J. Flala, Bohemia, N. Y. Fishhook. 1,518,052; Dec. 2.
 Devaney, James M., et al. (See Haines, George B., assignor.)
 De Witt La France Company. (See De Witt, William P., assignor.)
 De Witt, William P., Somerville, assignor to De Witt La France Company, Cambridge, Mass. Fountain-pen casing and cap therefor. 1,517,411; Dec. 2.
 Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
 Dickenson, James A., and H. F. O'Hanlon, Edmonton, Alberta, Canada. Demountable rim for vehicle wheels. 1,517,828; Dec. 2.
 Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Powdered sodium silicate and preparing the same. 1,517,891; Dec. 2.
 Dietze, Emil, New York, assignor to American Castling and Manufacturing Corporation, Brooklyn, N. Y. Seal for cording and the like. 1,517,670; Dec. 2.

Dillon, Albert S., Kansas City, Mo. Flue blower. 1,517,348; Dec. 2.
 Dinman, Walter G., and J. M. Kendall, Manchester, N. H. Stoker mechanism. 1,517,773; Dec. 2.
 Dinspel, William H., New York, N. Y., assignor to Atlas Devices Company, Inc. Delivery terminal for pneumatic transmission systems. 1,517,671; Dec. 2.
 Ditson, Jesse, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowgun for drill sharpeners. 1,517,497; Dec. 2.
 Dix, Howard W., New York, N. Y. Vehicle tire. Des. 66,114; Dec. 2.
 Dodman, Alfred C., Jr., Summit, N. J. Wall paper. Des. 66,115; Dec. 2.
 Dodson, William S., Springfield, Mo. Brake shoe. 1,517,963; Dec. 2.
 Doerr, Fred H., Grand Rapids, Mich., assignor, by mesne assignments, to Todd Protectograph Company, Incorporated, Rochester, N. Y. Zero-setting mechanism in adding machines. 1,517,412; Dec. 2.
 Doerr, Fred H., Grand Rapids, Mich., assignor, by mesne assignments, to Todd Protectograph Company, Incorporated, Rochester, N. Y. Transfer mechanism in adding machines. 1,517,413; Dec. 2.
 Doherty, Henry L., New York, N. Y. Method of and apparatus for refrigeration. 1,518,053; Dec. 2.
 Doherty, Henry L., and Company. (See Allen, Robert C., assignor.)
 Doherty, John, assignor to Superior Projector, Inc., Coxsack, N. Y. Motion-picture take-up apparatus. 1,517,542; Dec. 2.
 Dorsey, Frank M., Cleveland, Ohio, assignor to General Electric Company. Activating carbon. 1,517,543; Dec. 2.
 Douglas, Kenneth R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather substitute and making the same. 1,517,892; Dec. 2.
 Draper Corporation. (See Beauchemin, Arthur, assignor.)
 Draper Corporation. (See Norris, Frederick J., assignor.)
 Draper Corporation. (See Rhoades, Alonzo E., assignor.)
 Draver, Emil R., Richmond, Ind. Coupling telescoped tubular members. 1,517,544; Dec. 2.
 Drenning, Percy R. (See Kadel, B. W., and Drenning.)
 Drysdale, Henry, London, assignor to International Cartons Limited, Leyton, Essex, England. Folding box or receptacle. 1,517,964; Dec. 2.
 Dudley, Howard A., Hagerstown, Md. Typography. 1,517,965; Dec. 2.
 Dudley, Howard M., Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y. Apparatus for dyeing, scouring, or otherwise treating yarn and other fibers in the hank or skein. 1,517,545; Dec. 2.
 Dunham, Erwin J., Farmingdale, assignor to L. B. Sperry, Garden City, Long Island, N. Y. Land and water flying machine. 1,517,546; Dec. 2.
 Dunlop Tire and Rubber Corporation of America. (See Belden, Russell D., assignor.)
 Du Pont de Nemours, E. I., & Company. (See Douglass, Kenneth R., assignor.)
 Duprey, Louis J., Dorchester, Mass. Theater seating equipment. 1,517,774; Dec. 2.
 Durand Steel Locker Company. (See Vance, Walter N., assignor.)
 Dutcher, Frank, Versailles, Pa., assignor to Central Railway Signal Company, Boston, Mass. Railway signal torpedo. 1,517,966; Dec. 2.
 Dutkiewicz, Valentin, Paris, France. Chain track for tractors and the like. 1,517,716; Dec. 2.
 Duto, Leslie C., Long Beach, Calif. Oil cup. 1,518,055; Dec. 2.
 Dwyer, William P., and R. T. Hanley, Chicago, Ill. Coin-controlled apparatus. 1,517,672; Dec. 2.
 Dzurak, Joseph F., Bayonne, N. J. Necktie hanger and support therefor. 1,518,054; Dec. 2.
 Eastman, Adelbert, West Palm Beach, Fla. Curtain for automobiles and the like. 1,517,829; Dec. 2.
 Eastwood, Benjamin E., Company. (See Wells, William S., assignor.)
 Eberle, Wilhelm, assignor to the Firm: Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Apparatus for cooling the oil for internal-combustion engines. 1,517,673; Dec. 2.
 Ebinger, David A., assignor to The D. A. Ebinger Sanitary Manufacturing Company, Columbus, Ohio. Washbasin. 1,517,414; Dec. 2.
 Ebinger, D. A., Sanitary Manufacturing Company, The. (See Ebinger, David A., assignor.)
 Edmonds, George F., Leavenworth, Kans. Sled brake. 1,517,967; Dec. 2.
 Edwards, Ole J., Everett, Wash. Combination cabinet and table. 1,517,415; Dec. 2.
 Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Carbonaceous fuel. 1,517,830; Dec. 2.
 Ehrlich, Louis B., Brookline, assignor to Gray & Davis, Inc., Cambridge, Mass. Dynamo. 1,517,281; Dec. 2.
 Ekberg, Nels, St. Paul, Minn. Device for lifting and towing automobiles. 1,517,547; Dec. 2.
 Ekman, Hjalmar, Bessemer, Mich. Combined wall brush and casing knife. 1,517,717; Dec. 2.
 Elec Works of the Electric Boat Company, The. (See Chase, Irwin, assignor.)

Elder, John, deceased; H. E. Sibell, executrix, Brooklyn, N. Y. Pipe coupling. 1,517,893; Dec. 2.
 Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
 Ellis, Carleton, Montclair, N. J. Cracking and oxidizing petroleum oil to make gasoline and useful products of oxidation. 1,517,968; Dec. 2.
 Ellis, Walter W., Washington, D. C. Method of and apparatus for making molded condensers and the product resulting therefrom. 1,517,620; Dec. 2.
 Elrod, Henry E., Dallas, Tex. Calling device. 1,518,056; Dec. 2.
 Ely, Oscar L., Beverly, Mass. Automatic shut-off. 1,517,894; Dec. 2.
 Ely, Sidney F., London, England. Device for use in practicing strokes in the game of golf. 1,517,895; Dec. 2.
 Emerson, Alfred W., Steuben, assignor of one-half to R. W. Brown, Milbridge, Me. Adjustable screen. 1,517,548; Dec. 2.
 Empson, Caleb E. (See Rose, Robert L., assignor.)
 Emrick, Frank C., assignor to Kalamazoo Sanitary Manufacturing Company, Kalamazoo, Mich. Press. 1,517,282; Dec. 2.
 Engsborg, Ralph W., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,517,283; Dec. 2.
 Entwistle Company, The. (See Cummings, M. F., and Lapham, assignors.)
 Enz, Karl A., Cleveland, Ohio, assignor, by mesne assignments, to Newport News Shipbuilding & Dry Dock Company, Newport News, Va. Water turbine. 1,517,896; Dec. 2.
 Ermold, Edward, New York, N. Y. Labeling machine. 1,517,621; Dec. 2.
 Erwin, John T., Teague, Tex. Signal. 1,517,831; Dec. 2.
 Espenschied, Lloyd, Queens, N. Y. Railway signal system. 1,517,549; Dec. 2.
 Euler, Montford R., et al. (See Moreo, Earl H., assignor.)
 Eustis, Robert I. (See Hart, S., and Eustis.)
 Evans, Arthur B., Chapelton, and R. P. Payne, Leeds, England. Direct and offset lithographic rotary machine. 1,517,969; Dec. 2.
 Evans, Richard, Highland Park, Ill. Type matrix. 1,517,970; Dec. 2.
 Fahrney, Emory H., Chicago, Ill. Signboard. 1,517,551; Dec. 2.
 Fairchild, Sherman M., New York, N. Y. Universal mounting for aerial cameras. 1,517,550; Dec. 2.
 Fairlie, James L., Liverpool, England. Manufacture of sugar products. 1,517,775; Dec. 2.
 Fales, Elsha N., Dayton, Ohio. Vehicle heater. 1,517,349; Dec. 2.
 Fales, Elsha N., Lake Forest, Ill. Instrument for measuring air velocity. 1,517,350; Dec. 2.
 Farnsey, James, Cleveland Heights, Ohio. Drying apparatus. 1,517,897; Dec. 2.
 Farbenfabriken vorm. Friedr. Bayer and Co. (See Hubert, Emil, assignor.)
 Farbenfabriken vorm. Friedr. Bayer and Co. (See Rahe, Paul, assignor.)
 Farum, Edele P., Oakland, Calif. Automobile bumper. Des. 66,116; Dec. 2.
 Fassinger, Charles, Carrick, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Bolt-heading machine. 1,517,971; Dec. 2.
 Faure, René, Paris, France. Heating apparatus. 1,517,622; Dec. 2.
 Faust, Per A., Miami, Ariz. Tuyère for converters or the like. 1,517,972; Dec. 2.
 Feldner, Howard M., Detroit, Mich. Numbering system. 1,517,718; Dec. 2.
 Fergusson, Alan R., Buffalo, N. Y. Fastening means for collapsible building constructions. 1,517,498; Dec. 2.
 Fern, Oscar, Newburyport, Mass. Shank-stiffener reinforcing and attaching means. 1,517,719; Dec. 2.
 Fernald, Mark E., Southboro, assignor to C. C. Blake, Incorporated, Boston, Mass. Assembling. 1,517,973; Dec. 2.
 Flala, Joseph, et al. (See De Payne, Jean, assignor.)
 Fleider, Sébastien O. A., assignor to l'Auxiliaire des Chemins de Fer et de l'Industrie, Paris, France. Pump for liquids at high temperatures. 1,517,898; Dec. 2.
 Fifth Avenue Bank of New York, The. (See Dudley, Howard M., assignor.)
 Fine, Benjamin. (See Gertler, R., and Fine.)
 Finger, Paul E., New Kensington, assignor to P. H. Murphy Company, Parnassus, Pa. Carline. 1,517,284; Dec. 2.
 Finlan, Patrick J., Austin, Oreg. Pie-plate lifter. 1,517,974; Dec. 2.
 Finley, Thomas Milton, and A. W. Brown, St. Louis, Mo. Landing gear for flying machines. 1,517,416; Dec. 2.
 Fischeltek, Oscar F., and A. W. Krahn, Milwaukee, Wis., assignors, by mesne assignments, to Sunbeam Electric Manufacturing Co., Evansville, Ind. Driving mechanism for washing machines. 1,517,285; Dec. 2.
 Fischer, Henry F. (See Bumstead, Albert W., assignor.)
 Fish, Fred R., Rockford, Ill. Drying and winding device for fishing lines. 1,517,720; Dec. 2.

Fisher, Edwin H., assignor to Scientific Materials Company, Pittsburgh, Pa. Tong. 1,517,776; Dec. 2.
 Fisk Rubber Company, The. (See Hennessy, Daniel E., assignor.)
 Fisk Rubber Company, The. (See Mather, George L., assignor.)
 Fisk Rubber Company, The. (See Melvin, Ernest W., assignor.)
 Fisk Rubber Company, The. (See Roberts, John H., assignor.)
 Fisk Rubber Company, The. (See Rossbach, Clement A., assignor.)
 Fisk Rubber Company, The. (See Wiese, Edwin C., assignor.)
 Flite, Cephas V., deceased, Charlotte, N. C.; Mrs. E. L. Flite, administratrix. Friction transmission for automobiles. 1,517,552; Dec. 2.
 Flite, Eunice L., administratrix. (See Flite, Cephas V.)
 Fleener, Charles J., Waipahu, assignor of one-third to E. W. Greene and one-third to W. Richardson, Waipahu, Oahu, Hawaii. Juice-linging apparatus. 1,517,499; Dec. 2.
 Fleischer, Svend S. C., Gottenborg, Sweden. Drawing of the warp through the reed. 1,517,832; Dec. 2.
 Fletcher, Wallace R., Dayton, Ohio. Remote charging device. 1,517,351; Dec. 2.
 Flint, Floyd F., assignor of one-third to M. W. Benjamin and one-third to R. W. McKluney and B. C. Pinkerton, Detroit, Mich. Fuel-feeding device for motor cars. 1,517,777; Dec. 2.
 Flintkote Company, The. (See Cumfer, H. A., and McFarland, assignors.)
 Flintkote Company, The. (See Rahr, Chester E., assignor.)
 Flintkote Company, The. (See Rahr, C. E., and Pollock, assignors.)
 Floyd, Raymond L., Cascade, Idaho. Rotary shelf for groceries and the like. 1,517,417; Dec. 2.
 Foerster, Julia, Manitowoc, Wis. Bib holder. 1,518,057; Dec. 2.
 Folberth Auto Specialty Company, The. (See Folberth, Frederick G., and W. M., assignors.)
 Folberth, Frederick G., and W. M., assignors to The Folberth Auto Specialty Co., Cleveland, Ohio. Windshield cleaner. 1,518,058; Dec. 2.
 Folberth, William M. (See Folberth, Frederick G., and W. M.)
 Foot, William A., Garfield, N. Mex. Foot bicycle. 1,517,352; Dec. 2.
 Forbes, William S. (See Veley, C. J., and Forbes.)
 Ford, Henry, Dearborn, Mich. Tilting device for hospital beds. 1,517,418; Dec. 2.
 Forscher, Walter U., Norwich, Conn. Electrical fixture. 1,517,353; Dec. 2.
 Fosnot, Louis P. (See Burk, M. J., and Fosnot.)
 Foster, Theodore W., & Brother Company. (See Wilson, Ralph W., assignor.)
 Francis, Alfonso, assignor to Ringling Brothers, Bridgeport, Conn. Ventilating-fan drive. 1,517,623; Dec. 2.
 Fraser, Edwin J., Berwyn, assignor of one-half to S. H. Bingham, Chicago, Ill. Piston-ring contractor. 1,517,419; Dec. 2.
 Fraser, William, assignor of twenty-five per cent to V. Ramsden and twenty-five per cent to R. D. Rogers, London, England. Automatic hose-pipe connection. 1,517,553; Dec. 2.
 Fredericks, Enoch M., Chicago, Ill. Artificial crown for teeth and securing means therefor. 1,517,500; Dec. 2.
 Freichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co., Inc., Philadelphia, Pa. Lighting-fixture unit. Des. 66,117; Dec. 2.
 Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Font distributor for typographical machines. 1,517,975; Dec. 2.
 Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,517,976; Dec. 2.
 Friedman, Samuel, Brooklyn, N. Y. Stretcher for case skins. 1,518,059; Dec. 2.
 Fritz, Lewis, Chicago, Ill. Rifle. 1,517,420; Dec. 2.
 Frohman, Edward D., Pittsburgh, Pa. Foundry wash and manufacturing the same. 1,517,778; Dec. 2.
 Fulcher, Gordon S., Corning, N. Y. Ammunition. 1,517,554; Dec. 2.
 Fulton, Karl H., Pittsburgh, Pa., assignor to M. J. Summerville, Richmond, Va. Producing cellular rubber. Re15,957; Dec. 2.
 Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 1,517,286; Dec. 2.
 Gantt, James T., Macon, Ga. Detachable rim for wheels. 1,517,721; Dec. 2.
 Garlough, John L. (See Krone, F., Allen, Lee, and Garlough.)
 Gay, Rupert M., Hanover Township, Morris County, N. J. Air separator. 1,517,900; Dec. 2.
 Gebrüder Bühler. (See Roth, Ernst, assignor.)
 Geler, P. A., Company, The. (See Willis, Olo C., assignor.)
 General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
 General Electric Company. (See Dorsey, Frank M., assignor.)

General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
 General Electric Company. (See Seitz, Walter, assignor.)
 General Electric Company. (See Traver, Oliver C., assignor.)
 General Motors Corporation. (See Bower, Ferdinand A., assignor.)
 George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Machine for planing gears. 1,518,060; Dec. 2.
 Gerdes, Adolf F., Berlin, Germany. Friction-wheel differential gear. 1,517,722; Dec. 2.
 Gerdes, Walter H. (See Bayless, Charles O., assignor.)
 Gertler, Robert, and B. Fine, assignors of one-third to C. C. Hanson, Chicago, Ill. Windowpane heater. 1,517,833; Dec. 2.
 Giarlino, Joseph, Boston, Mass. Garment fastening. 1,517,723; Dec. 2.
 Gibbs, George W. (See Oakley, F., and Gibbs.)
 Gibford, Charles W. (See Gibford, Edward B. and C. W.)
 Gibford, Edward B. and C. W., Adrian, Mich. Carburetor valve. 1,518,061; Dec. 2.
 Gibson, Ralph E., and H. Nicoll, Liverpool, England. Apparatus for charging furnaces of gas retorts and the like. 1,517,977; Dec. 2.
 Giese, Harvey J., Oconto, Wis. Jacketed can. 1,517,978; Dec. 2.
 Gilbert, Wm. L. Clock Company. (See Leighton, Robert J., assignor.)
 Gill, Thomas B., Cleveland, Ohio. Hand truck. 1,517,901; Dec. 2.
 Gillett, Horace W., Ithaca, N. Y. Improving metals and alloys in resistance to repeated stress. 1,517,354; Dec. 2.
 Girard, Adolph G., San Francisco, and E. R. Moeller, Oakland, Calif. Combination fruit crusher and flour sifter. 1,517,624; Dec. 2.
 Giuliana, Joseph P., Newark, N. J. Automobile buffer. 1,517,724; Dec. 2.
 Glincy, Warren E., Waltham, assignor to Hood Rubber Company, Watertown, Mass. Rubber shoe and making same. 1,518,062; Dec. 2.
 Glasser, Richard, San Francisco, Calif. Envelope opener. 1,517,625; Dec. 2.
 Glenn, Arthur E., Boone, Iowa. Clinical thermometer. 1,517,770; Dec. 2.
 Globe Machine and Stamping Company, The. (See Root, Ralph R., assignor.)
 Glover, W. T., and Company Limited. (See Beaver, Charles J., assignor.)
 Goodard, Wilfred R., assignor to Thomas Day Company, San Francisco, Calif. Lighting fixture arm. Des. 66,118; Dec. 2.
 Goldberg, Jacob M. (See Goldberg, Louis B., N., J. M., and W.)
 Goldberg, Louis B., N., J. M., and W., Denver, Colo. Gasoline camp stove. 1,517,355; Dec. 2.
 Goldberg, Louis B., N., J. M., and W., Denver, Colo. Burner construction for gasoline camp stoves. 1,517,356; Dec. 2.
 Goldberg, Louis B., N., J. M., and J. M., Denver, Colo. Camp stove. 1,517,357; Dec. 2.
 Goldberg, Louis B., N., J. M., and J. M., Denver, Colo. Camp stove casing. 1,517,358; Dec. 2.
 Goldberg, Nathan. (See Goldberg, Louis B., N., J. M., and W.)
 Goldberg, Solomon H., assignor to The Hump Hairpin Manufacturing Company, Chicago, Ill. Machine for forming hairpins or similar articles. 1,517,834; Dec. 2.
 Goldberg, William. (See Goldberg, Louis B., N., J. M., and W.)
 Gombert, Peter. (See Schenk, T. C., and Gombert.)
 Goodchild, Walter, Oakland, assignor to "Nips" Incorporated, Hoboken, N. J. Apparatus for filling and closing capillary containers. 1,517,780; Dec. 2.
 Goodell Manufacturing Company. (See Cary, George W., assignor.)
 Goodrich, Edgar, Chicago, Ill. Arch support. 1,517,359; Dec. 2.
 Goosmann, Justus C., Chicago, Ill. Stuffing box. 1,517,902; Dec. 2.
 Gordon, Frederick F., Sheffield, England. Producing hollow billets for hollow drills. 1,517,781; Dec. 2.
 Gossman, Leo T., Canton, Minn. Strainer for cream separators. 1,517,725; Dec. 2.
 Gottfried, Herbert R., Erie, Pa. Price indicator. 1,518,063; Dec. 2.
 Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 66,119; Dec. 2.
 Grady, Edward F., Oakland, Calif. Toy bowling alley. 1,517,726; Dec. 2.
 Graham, Guy G., assignor to The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo. Stock tag. 1,517,835; Dec. 2.
 Graham, Lyman V., Kansas City, Mo. Stance indicator for golf. 1,517,555; Dec. 2.
 Grant, William B., Vancouver, British Columbia, Canada. Subaqueous drill. 1,517,556; Dec. 2.
 Gray & Davis, Inc. (See Ehrlich, Louis B., assignor.)
 Gray, Horace M., and D. Wilson, Anderson, Ind. Shaft mounting. 1,517,421; Dec. 2.
 Gray, William J., Fairfield, Ala. Article of furniture. 1,517,674; Dec. 2.

Greathouse, Holly G., Dawes, W. Va. Ring and slip. 1,517,979; Dec. 2.
 Green, Andrew W. (See Green, Phoebe A. and A. W.)
 Green, Ellis, Mineral Wells, Tex., assignor to Tulsa Tool Company. Gas burner for boilers. 1,517,241; Dec. 2.
 Green, Phoebe A. and A. W., Toronto, Ontario, Canada; said Phoebe A. Green assignor to said A. W. Green. Floor waxing and polishing apparatus. 1,517,980; Dec. 2.
 Greene, Ernest W., et al. (See Fleener, Charles J., assignor.)
 Greene, Fred E., Oakland, Calif. Paving roller. 1,517,501; Dec. 2.
 Greve, Lewis H. (See Capparella, Thomas, assignor.)
 Grieve, Archibald, assignor to Charles E. Kemper, Inc., Westport, Conn. Fuse. 1,517,981; Dec. 2.
 Griffiths, Reginald E., and W. G. Smith, New York, N. Y. Ice carrier. 1,517,982; Dec. 2.
 Grisham, Frederick T., Tillar, Ark. Harrow scraper. 1,517,983; Dec. 2.
 Grissom, Leonard, and J. H. Jones, Indianapolis, Ind. Compound distributor. 1,517,502; Dec. 2.
 Groten, Frank J., Jr., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Moldable compound. 1,517,300; Dec. 2.
 Grove, Bruce H. (See Wright, J. H., and Grove.)
 Guenther, Arthur G. G., assignor to Signode System, Inc., Chicago, Ill. Stretching tool. 1,517,903; Dec. 2.
 H. S. B. W. Cochrane Corporation. (See Wallem, Axel B., assignor.)
 Hackett, Henry, assignor of one-half to Cudbury Brothers Limited, Birmingham, England. Machine for lining boxes. 1,518,064; Dec. 2.
 Haines, George H., assignor of one-third to J. M. Devaney and one-third to L. J. Cramer, Chicago, Ill. Tire-rim implement. 1,517,904; Dec. 2.
 Hallin, Auguste, Herstal, near Liege, Belgium. Spanner. 1,517,557; Dec. 2.
 Hall, Alice A. (See Reed, Charles J., assignor.)
 Hall, Hicknell, Arlington, Mass. Hole-punching and elect-settling machine. 1,518,065; Dec. 2.
 Hall, John E., F. J. Minkie, Buffalo, and L. A. Cass, Warsaw, N. Y., assignors to New York State Simplex Rim Corporation. Collapsible tire rim. 1,517,558; Dec. 2.
 Hall, Leo G., Downers Grove, Ill. Combination land and water vehicle. 1,517,422; Dec. 2.
 Halvorsen, Birger E., assignor to Norsk Hydroelektrisk Kvaestofabriksselskab, Christiania, Norway. Electrode for the oxidation of nitrogen. 1,517,727; Dec. 2.
 Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Traffic signal. Des. 66,120; Dec. 2.
 Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Traffic signal. Des. 66,121; Dec. 2.
 Hanley, Harvey, et al. (See Sartain, Louis M., assignor.)
 Hammond, Clint, Boyne City, Mich. Liquid-fuel delivery system for internal-combustion engines. 1,518,066; Dec. 2.
 Hammond, John H., Jr. (See Lawther, Harry P., assignor.)
 Hammond, John H., Jr. (See Trenor, Albert D., assignor.)
 Hand, Jesse H., Chicago, Ill. Change-speed gearing. 1,517,836; Dec. 2.
 Hanley, Raymond T. (See Dwyer, W. P., and Hanley.)
 Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating valve for rotation motors. 1,517,503; Dec. 2.
 Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill-rod packing. 1,517,504; Dec. 2.
 Hanson, Arthur C., Dallas, S. Dak. Clutch jack. 1,517,423; Dec. 2.
 Hanson, Charles C. (See Gertler, R., and Fine, assignors.)
 Hanson, Hans P., Chicago, Ill. Wreath and the like. 1,517,287; Dec. 2.
 Harper, Barrie L., Rineyville, Ky. Automatic tire pump. 1,517,782; Dec. 2.
 Harrigan, Lon T., Los Angeles, Calif. Foot-control valve for hydraulic governors. 1,517,361; Dec. 2.
 Harris, John L., Thomson, N. Y. Attachment for beating engines. 1,517,783; Dec. 2.
 Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,517,288; Dec. 2.
 Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing machine. 1,517,424; Dec. 2.
 Hart, Seth, and R. I. Eustis, Los Angeles, Calif. Airplane. 1,517,289; Dec. 2.
 Hartenstein, Willy, Darmstadt, Germany, assignor to J. Aman, Rutherford, N. J. Beet harvester. 1,517,559; Dec. 2.
 Hartung, William R., Connell, Wash. Casting. 1,517,675; Dec. 2.
 Harvey, Leaman S., Waterbury, Conn. Combined tall light and slow and stop signal. Des. 66,122; Dec. 2.
 Harvey, Ole G., Hardy, Iowa. Combined wrist strap and sleeve protector. 1,517,984; Dec. 2.
 Haskell, Frank H., Boston, assignor to G. H. Musgrave, Arlington, Mass. Pressure gauge. 1,517,985; Dec. 2.

Haugh, James G., Bascom, Ohio. Stepladder. 1,517,676; Dec. 2.
 Hayward, Harry E., St. Petersburg, Fla. Combination tool. 1,511,986; Dec. 2.
 Heater, Freeman F., et al. (See Austin, Alonzo J., assignor.)
 Heath, Frederick, Bellingham, Wash. Pressure-controlled valve. 1,517,728; Dec. 2.
 Hehman, Joseph G., Fort Thomas, Ky. Composition for cleaning jewelry. 1,517,837; Dec. 2.
 Heinkel, John, St. Louis, Mo. Repair-cover outfit for test tees or cleanout tees. 1,517,677; Dec. 2.
 Heinrich, Jules. (See Vandergaw, E. B., and Heinrich.)
 Helliwell, John O., Pasadena, Calif. Reflector. 1,517,362; Dec. 2.
 Henderson, Robert H., East Orange, N. J. Floor-joint-boring machine. 1,517,987; Dec. 2.
 Hendrickson, Charles J., and V. F. Miller, assignors to Western Electric Company, Incorporated. Automatic telephone switch. 1,517,425; Dec. 2.
 Hendrickson, Ira E. (See Brown, P., and Hendrickson.)
 Hennessy, Daniel E., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing apparatus. 1,517,560; Dec. 2.
 Heroy, Walter W., Bloomfield, N. J. Silencing fluid in conduits. Re15,956; Dec. 2.
 Herskovitz, Max, deceased, Chicago, Ill.; W. Herskovitz and C. Welfeld, executors. Electric-lighting fixture. 1,517,626; Dec. 2.
 Herskovitz, William, et al., executors. (See Herskovitz, Max.)
 Hertzler, Israel Z., Belleville, Pa. Apple-grating machine. 1,517,988; Dec. 2.
 Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,517,505; Dec. 2.
 Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,517,506; Dec. 2.
 Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,517,507; Dec. 2.
 Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,517,508; Dec. 2.
 Hibbard, Lloyd J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,517,290; Dec. 2.
 Hickman, Roger M., Petersburg, Tenn. Fingering mechanism of saxophones. 1,517,989; Dec. 2.
 Hickman, Ross W., Oklahoma City, Okla. Well fishing tool. 1,517,426; Dec. 2.
 Hicks, William W., San Francisco, Calif. Electric heater. 1,518,067; Dec. 2.
 Hill, Guy. (See Mauborgne, J. O., and Hill.)
 Hillebrand, William. (See Oehler, O. C., and Hillebrand.)
 Hillard, David H., Ames, Iowa. Automatic railway-crossing signal. 1,517,784; Dec. 2.
 Hines, William J., et al. (See Sartain, Louis M., assignor.)
 Hinkle, Walter F., Chicago, Ill., assignor to Bencke & Kropf Manufacturing Company. Mixing valve. 1,517,990; Dec. 2.
 Hitchcock, Helen S., New York, N. Y. Doll. Des. 66,123; Dec. 2.
 Hogg, Coy C., Pleasantville, Pa. Winch. 1,517,991; Dec. 2.
 Hohn, Max P. E., Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. Cigarette-filling machine. 1,517,729; Dec. 2.
 Hokanson, Martin, Duluth, Minn. Apparatus for classifying granular material. 1,517,509; Dec. 2.
 Holme, Edward, and Company Limited, et al. (See Brooke, W., and Bowen, assignors.)
 Holmes, Elbridge R., and A. S. Hutchins, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Warp let-off for narrow-ware looms. 1,517,510; Dec. 2.
 Holmes, Moses M., Tulsa, Okla. Animal and poultry feeder. 1,517,838; Dec. 2.
 Holt, Harris B., Dormont, Pa. Traveling grate. 1,517,427; Dec. 2.
 Holub, Charles J., assignor of one-third to W. C. Lamneck and one-third to A. P. Lamneck, Columbus, Ohio. Pipe corrugating and bending machine. 1,517,678; Dec. 2.
 Hood Rubber Company. (See Glancy, Warren E., assignor.)
 Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
 Horn & Brannen Manufacturing Co., The. (See Frerichs, Frederick A., assignor.)
 Horn, William H., Pollock, S. Dak. Cotter-pin remover. 1,518,068; Dec. 2.
 Hough, Clinton W., Boonville, N. Y. Device for indicating quantity of fuel consumed by internal-combustion engines. 1,517,905; Dec. 2.
 Towarth, Thomas S., La Salle, Ill. Valve-lifter washer. 1,517,511; Dec. 2.
 Howe, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Take-up mechanism for knitting machines. 1,517,992; Dec. 2.
 Hubert, Emil, Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Artificial silk and making same. 1,517,627; Dec. 2.

Huey, George W. (See Korsch, W. E., and Huey.)
 Hughes, Hugh T. (See Cull, L. D., and Hughes.)
 Hughes, John, Stewartville, Ohio. Lamp holder. 1,518,069; Dec. 2.
 Hulquist, Charles A., Los Angeles, Calif. Rock-drilling engine. 1,517,512; Dec. 2.
 Hume, John E., Clinton, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing mechanism for looms. 1,517,513; Dec. 2.
 Hump Hairpin Manufacturing Company, The. (See Goldberg, Solomon H., assignor.)
 Humphrey Company, The. (See Scott, Dudley H., assignor.)
 Hunt, Jarvis, Chicago, Ill. Golf ball. 1,517,514; Dec. 2.
 Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,517,906; Dec. 2.
 Hurlmann, Ernst. (See Schneider, J., Billon, and Hurlmann.)
 Hutchins, Allan S. (See Holmes, E. R., and Hutchins.)
 Hutchison, Miller R. (See Schick, Jacob, assignor.)
 Industrial Waste Products Corporation. (See Dickerson, Walter H., assignor.)
 Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
 Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
 Ingersoll-Rand Company. (See Bayles, L. C., and Abrams, assignors.)
 Ingersoll-Rand Company. (See Ditson, Jesse, assignor.)
 Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
 Ingersoll-Rand Company. (See Reed, Robert H., assignor.)
 Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
 Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
 International Cartons Limited. (See Drysdale, Henry, assignor.)
 International Precipitation Company. (See Welch, Harry V., assignor.)
 Intertype Corporation. (See Freund, Herman R., assignor.)
 Ionides, Alexander G., Leicester, assignor of one-half to Vauxhall Motors Limited, Bedfordshire, England. Clutch mechanism. 1,518,070; Dec. 2.
 Jacobi, Edward N., assignor to Briggs & Stratton Company, Milwaukee, Wis. Lighting and ignition switch. 1,517,907; Dec. 2.
 Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler and setting therefor. 1,517,291; Dec. 2.
 Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,517,628; Dec. 2.
 Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and furnace therefor. 1,517,629; Dec. 2.
 Jahraus, Henry G., assignor of one-half to W. R. Mitchell, Los Angeles, Calif. Rotary drill pipe. 1,517,428; Dec. 2.
 Jansson, Frans D. (See Ljungman, D. R., and Jansson.)
 Jaroslowski-Floret, Simon A., New York, N. Y. Twin-compact vanity case. 1,518,071; Dec. 2.
 Jensen-Salsbery Laboratories, Inc., The. (See Graham, Guy G., assignor.)
 Jensvold, Severin F., assignor of one-half to O. L. Ulvang, Duluth, Minn. Scaffold bracket. 1,517,429; Dec. 2.
 Jentz, Carl, Cap de la Madeleine, Quebec, Canada. Paper-pulp digester strainer. 1,517,839; Dec. 2.
 Joannet, Charles, and A. Assant, Paris, France. Table. 1,517,730; Dec. 2.
 Johnson, Charles N., Vincennes, Ind. Glass casket. 1,517,908; Dec. 2.
 Johnson, Charles S., Champaign, Ill. Overhead measuring and loading construction. 1,517,430; Dec. 2.
 Johnson, Clarence R., Portland, Ore. Coin-controlled glasses. 1,517,731; Dec. 2.
 Johnson, Mary E., Texarkana, Ark. Doll. Des. 66,124; Dec. 2.
 Johnson, Oliver W., Geneva, Ohio. Attachment for tractors. 1,517,732; Dec. 2.
 Johnson, Oliver W., Geneva, Ohio. Sawing attachment for tractors. 1,517,733; Dec. 2.
 Jones, Ernest H., London, England. Electrode, welding rod, and soldering stick. 1,517,292; Dec. 2.
 Jones, Frank S., Philadelphia, Pa. Metal-working machine. 1,517,431; Dec. 2.
 Jones, Geraldus, Birmingham, England. Anode for use in electroplating. 1,517,630; Dec. 2.
 Jones, Geraldus, Birmingham, England. Anode for use in electroplating. 1,517,631; Dec. 2.
 Jones, Ira, et al. (See Jones, William F., assignor.)
 Jones, John W., assignor to Syracuse Radiator Company, Inc., Syracuse, N. Y. Draft pipe for heaters. 1,517,734; Dec. 2.
 Jones, Joseph H. (See Grissom, L., and Jones.)
 Jones, Vesta M. (See Jones, William, assignor.)
 Jones, William, assignor to V. M. Jones, New York, N. Y. Production of bone black. 1,518,072; Dec. 2.
 Jones, William F., assignor of one-half to I. Jones and one-half to H. H. Odom, Dialville, Tex. Car replacer. 1,517,632; Dec. 2.

Julin, Victor T., Lidingon, Sweden. Calliper gauge. 1,517,993; Dec. 2.
 Junkers, Hugo, Dessau, Germany. Corrugated sheet metal. 1,517,633; Dec. 2.
 Junkers, Hugo, Dessau, Germany. Exhaust manifold. 1,517,634; Dec. 2.
 Kadel, Byers W., and P. R. Drenning, Baltimore, Md., assignors to The T. H. Symington Company, New York, N. Y. Draft rigging. 1,517,635; Dec. 2.
 Kugel, Paul A., Chicago, Ill. Handling flange. 1,517,735; Dec. 2.
 Kahn, Leonhard. (See Büschelberger, Georg, assignor.)
 Kalsser, Karl, Munich, assignor to Metallbank und Metallurgische Gesellschaft, Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Electric contact device working with a liquid, especially mercury. 1,517,636; Dec. 2.
 Kalamazoo Sanitary Manufacturing Company. (See Emrick, Frank C., assignor.)
 Kanegafuchi Bōseki Kabushiki Kaisha. (See Kobori, K., and Naito, assignors.)
 Kaner, Samuel, Toronto, Ontario, Canada. Cap. 1,517,637; Dec. 2.
 Kaplan, William, Paterson, N. J. Rubber heel. 1,518,073; Dec. 2.
 Katz, Max, Providence, R. I. Combined clock case and penrack. Des. 66,125; Dec. 2.
 Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Ring sight for firearms. 1,517,363; Dec. 2.
 Kaufman, Jacob F., Hollidaysburg, Pa. Wall gauge. 1,518,074; Dec. 2.
 Kayle, Frank, Farr, Colo. Holder. 1,517,432; Dec. 2.
 Kegel, Fred W., Fargo, N. Dak. Tire chain. 1,517,994; Dec. 2.
 Keim, Lester H., Crafton, Pa., assignor to R. D. Nuttall Company. Drive-gear mechanism. 1,517,293; Dec. 2.
 Keller, Frank. (See Crafton, John F., assignor.)
 Keller Mechanical Engineering Corporation. (See Shaw, John C., assignor.)
 Kellner, Louis, Brooklyn, N. Y. Electric switch. 1,517,638; Dec. 2.
 Kelly, Hugh A., Jersey City, N. J. Game. 1,517,433; Dec. 2.
 Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
 Kemper, Charles E., Inc. (See Grieve, Archibald, assignor.)
 Kendall, John M. (See Diman, W. G., and Kendall.)
 Kennedy, Abner M. (See Lloyd, S. J., and Kennedy.)
 Kery, William L., Columbus, Ohio. Concrete-block machine. 1,517,364; Dec. 2.
 Kessler, Lora W., Portland, Oreg. Animated book. 1,517,639; Dec. 2.
 Kesling, Elmer G., Bloomfield, Mo. Occluding form for positioning teeth in making artificial dentures. 1,518,075; Dec. 2.
 Kimball, John A., Taylorville, Ill. Adjustable auto headlight. 1,517,640; Dec. 2.
 Kling, Sheldon, Detroit, Mich. Razor sharpener for razor blades. 1,517,909; Dec. 2.
 Kirschner, Felix, Vienna, Austria. Plant for electroplating metal. 1,517,910; Dec. 2.
 Kirwin, Thomas, Longmeadow, assignor of one-half to C. S. Root, Springfield, Mass. Illuminated-number-plate bracket. 1,517,736; Dec. 2.
 Klasing, Augustus F., Chicago, Ill., assignor to The Klasing Car Brake Company. Power transmission. 1,517,737; Dec. 2.
 Klasing Car Brake Company. (See Klasing, Augustus F., assignor.)
 Kleine, William, Mountain View, Calif. Windshield cleaner. 1,517,365; Dec. 2.
 Kleinman, Emanuel, Brooklyn, N. Y. Insulated support for light reflectors. 1,518,076; Dec. 2.
 Kluever, Anne J., Lakewood, Ohio. Heater. 1,517,434; Dec. 2.
 Knapp, Fred H., Company, The. (See Kyler, Albert H., assignor.)
 Knapp, Louis A., assignor to Broderick & Bascom Rope Co., St. Louis, Mo. Loading chute. 1,517,435; Dec. 2.
 Kobori, Kibachiro, and R. Naito, Kobe, assignors to Kanegafuchi Bōseki Kabushiki Kaisha, Tokyo, Japan. Cocoon-dropping apparatus for use in silk-reeling machines. 1,517,366; Dec. 2.
 Koeljan, Louis, Milwaukee, Wis. Coffeepot holder. 1,517,436; Dec. 2.
 Koella, Ernest, Rockford, Tenn. Bralder carrier. 1,517,840; Dec. 2.
 Koford, James M. (See Van Emon, Burton C., assignor.)
 Korsch, William E., and G. W. Huey, Duluth, Minn. Switch-lever lock. 1,517,641; Dec. 2.
 Kothe, Charles A., East Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del. Lock for automatic train-pipe connectors. 1,517,785; Dec. 2.
 Kouba, Anton V., Verdigr, Nebr. Honeycomb rack. 1,518,077; Dec. 2.
 Kowalski, Walter, Sparta, Wis. Steam closet. 1,518,078; Dec. 2.
 Kovatsch, Ambrose, Berlin-Charlottenburg, Germany. Receptacle for blasting cartridges. 1,517,294; Dec. 2.
 Kovatsch, Ambrose, Berlin-Charlottenburg, Germany. Primer for liquid-air cartridges. 1,517,295; Dec. 2.

Krafft, Frederick W., Berkeley, Calif. Sugar-beet harvester. 1,517,642; Dec. 2.
 Krahn, Alvin W. (See Fischedick, O. F., and Krahn.)
 Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc. Canopy for lighting fixtures. Des. 66,126; Dec. 2.
 Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc. Lighting-fixture plate. Des. 66,127; Dec. 2.
 Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc. Lighting-fixture bracket. Des. 66,128; Dec. 2.
 Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co. Inc. Ceiling lighting fixture. Des. 66,129; Dec. 2.
 Kriebel, Charles C., assignor to Wildman Mfg. Co., Norristown, Pa. Take-up and spooling mechanism. 1,518,079; Dec. 2.
 Krone, Francis H. J., Allen, M. Lee, and J. L. Garlough, Wichita, Kans. Oil burner. 1,517,643; Dec. 2.
 Kruger, Charles M., St. Louis, Mo. Integral spout and air vent for liquid containers. 1,517,644; Dec. 2.
 Kuhn, Rudolph C., Minneapolis, Minn. Cold-air face. 1,517,841; Dec. 2.
 Kuiz, Edward A., Wilmette, Ill. Printing. 1,517,296; Dec. 2.
 Kunze, Herman H., Marissa, Ill. Automatic air controller for pressure tanks. 1,517,842; Dec. 2.
 Kurro, Maud E., Jackson, Mo. Basketry. 1,517,645; Dec. 2.
 Kus, Thomas G., Winnetka, assignor to American Coke & Chemical Company, Chicago, Ill. Valve for ascension pipes and the like. 1,517,786; Dec. 2.
 Kyler, Albert H., assignor to The Fred H. Knapp Company, Westminster, Md. Can-labeling machine. 1,518,080; Dec. 2.
 La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,517,297; Dec. 2.
 Lahousse, Joseph E. G., Ternay, assignor to Societe Chimique des Usines du Rhone, Paris, France. Process and apparatus for testing textiles. 1,517,911; Dec. 2.
 Lake, Clair D., Binghamton, N. Y., assignor to The Tabulating Machine Company. Printer-ribbon-control mechanism. 1,517,843; Dec. 2.
 Lake, Walter S., Kansas City, Mo. Belt tightening and cutting device. 1,517,646; Dec. 2.
 Lake, Walter S., Kansas City, Mo. Belt-fastening machine. 1,517,647; Dec. 2.
 Lamneck, A. P., et al. (See Holub, Charles J., assignor.)
 Lamneck, W. C., et al. (See Holub, Charles J., assignor.)
 Langbein, Edward, Brooklyn, N. Y. Nasal and laryngeal snare. 1,517,787; Dec. 2.
 Lange, August, Chicago, Ill. Shaving mug. 1,517,298; Dec. 2.
 Langenau, Jacob F., and R. M. Yemmer, assignors to The Langenau Manufacturing Company, Cleveland, Ohio. Fastener. 1,517,995; Dec. 2.
 Langenau Manufacturing Company, The. (See Langenau, J. F., and Yemmer, assignors.)
 Lanning, James K. (See Bauer, Charles G., assignor.)
 Lapham, Nathan G. (See Cummings, M. F., and Lapham.)
 Larson, Eric G., Salt Lake City, Utah. Fuse plug. 1,517,367; Dec. 2.
 Larson, John T., Burlingame, Calif. Wheel-jacking method and device. 1,517,648; Dec. 2.
 Larson, Winford P., Minneapolis, Minn. Apparatus for making vaccine. 1,517,844; Dec. 2.
 Larson, Winford P., Minneapolis, Minn. Making vaccine and products thereof. 1,517,845; Dec. 2.
 Larson, Thure, assignor to Norton Company, Worcester, Mass. Tunnel kiln. 1,517,437; Dec. 2.
 La Sor, Herbert G., Los Angeles, Calif. Inking-roller truck. 1,517,438; Dec. 2.
 Laubenheimer, Robert W. (See Lucas, C. L., and Laubenheimer.)
 L'Auxiliaire des Chemins de Fer et de l'Industrie. (See Fiedler, Sébastien O. A., assignor.)
 Lavell, Lulu V., Minneapolis, Minn. Candlestick. Des. 66,130; Dec. 2.
 Lavell, Lulu V., Minneapolis, Minn. Candlestick. Des. 66,131; Dec. 2.
 Lawrence, William J., Kalamazoo, Mich. Paper-coating material and process of making. 1,517,996; Dec. 2.
 Lawther, Harry P., Jr., Dallas, Tex., assignor to J. H. Hammond, Jr., Gloucester, Mass. Exciting means for electro-dynamical oscillators. 1,518,123; Dec. 2.
 Lazaga, Ignacio, Salem, Va. Machine for packaging articles. 1,518,081; Dec. 2.
 Lea, Charles, assignor to The Automatic Merchandizer, Inc., Boston, Mass. Coin-controlled apparatus. 1,517,679; Dec. 2.
 Lee, Josh H. (See McMichael, H. F., and Lee.)
 Lee, Marvin. (See Krone, F., Allen, Lee, and Garlough.)
 Lehnman, Edward G., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Sectional-case construction. 1,517,299; Dec. 2.
 Leighton, Robert J., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Packing case or crate for clocks. 1,517,912; Dec. 2.

Leinen, Arthur P., assignor to The Benjamin Electric Manufacturing Company, Chicago, Ill. Plug cluster. 1,517,680; Dec. 2.
 Lennah, John E., Detroit, Mich. Window regulator. 1,517,913; Dec. 2.
 Lewis, Jesse E., Clarksville, Tex. Shield. 1,517,846; Dec. 2.
 Like, Carl, San Francisco, Calif. Direction indicator. 1,517,439; Dec. 2.
 Limbach, William C., Massillon, Ohio. Prop. 1,518,082; Dec. 2.
 Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Air-cooled soot cleaner. 1,517,440; Dec. 2.
 Lindgren, Hans O., Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Preventing remixing of separated liquids. 1,517,441; Dec. 2.
 Lion Electric Manufacturing Co. (See Krause, Arthur R., assignor.)
 Lipsey, Henry H., Los Angeles, Calif. Piston packing ring. 1,517,561; Dec. 2.
 Little, Philip, Jr., assignor to The Strong Scott Manufacturing Company, Minneapolis, Minn. Grain drying and cooling apparatus. 1,517,788; Dec. 2.
 Ljungman, David H., and F. D. Jansson, Gottenborg, Sweden. Device for lowering boats from ships. 1,517,562; Dec. 2.
 Llera, Felix F., and E. G. Capto, said Capto assignor of his entire right to A. Yoldi, Tucson, Ariz. Educational game. 1,517,847; Dec. 2.
 Lloyd, Stewart J., University, and A. M. Kennedy, Montgomery, Ala. Making arsenical salts. 1,517,516; Dec. 2.
 Lohmann, Hugo, Berlin-Johannisthal, Germany. Eliminating carbon from carbon-containing metals. 1,518,083; Dec. 2.
 Loker, Charles F., Tonopah, Nev. Heater. 1,517,738; Dec. 2.
 Lomshakoff, Alexis S., Prague, Czechoslovakia. Gas-analyzing apparatus. 1,517,442; Dec. 2.
 Long, D. S., et al. (See McCauley, John W., assignor.)
 Lotz, Jacob, Harrisburg, Pa. Paper-ruling machine. 1,517,739; Dec. 2.
 Louis, Terrence G., Springfield, Mass., assignor to Wico Electric Company, Magneto. 1,517,997; Dec. 2.
 Lovejoy, Ralph M., Merdith, N. H. Brake mechanism for vehicles. 1,517,789; Dec. 2.
 Lovelace, William H., Dalton, Ky. Holder. 1,518,084; Dec. 2.
 Loveless, Samuel E., Chicago, Ill. Sheet of wrapping paper. Des. 66,132; Dec. 2.
 Lovell, George, Stamford, London, England. Reflector. 1,517,563; Dec. 2.
 Lowe, Sahn K., San Francisco, Calif. Pulverizing machine. 1,517,564; Dec. 2.
 Lowrey, John R., Los Angeles, Calif. Hose coupling. 1,517,242; Dec. 2.
 Lucas, Carl L., and R. W. Laubenheimer, Richfield, Wis. Machine for burning in bearings. 1,517,790; Dec. 2.
 Lucey, Patrick J., assignor to Lucey Slicing Machine Co., Chicago, Ill. Indexing device for slicing machines. 1,517,681; Dec. 2.
 Lucey Slicing Machine Co. (See Lucey, Patrick J., assignor.)
 Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)
 Lyon, Andrew C. (See Morgan, Charles W., assignor.)
 Lyons, Willard E., Chicago, Ill. Spark plug. 1,517,368; Dec. 2.
 Macdonald, James, New York, N. Y. Tube for applying creams and the like to the skin. 1,517,914; Dec. 2.
 Macdonald, John, & Son Limited. (See Neesham, John R., assignor.)
 MacLachlan, John C., St. Paul, Minn., and J. M. MacLachlan, Milwaukee, Wis. Producing powdered meat. 1,517,445; Dec. 2.
 MacLachlan, John M. (See MacLachlan, John C. and J. M.)
 Maler, Dwight C., Bryan, Ohio. Fixed gun mount for airplanes. 1,517,369; Dec. 2.
 Malecke, Robert E., New York, N. Y. Safety device for automobiles. 1,517,998; Dec. 2.
 Malmberg, John, and O. E. Nelson, Moorhead, Minn. Electrically-operated railway-gate mechanism. 1,517,446; Dec. 2.
 Malmquist, Adolph K., assignor to Malmquist Machine Company, South Bellingham, Wash. Can-capping mechanism. 1,517,740; Dec. 2.
 Malmquist Machine Company. (See Malmquist, Adolph K., assignor.)
 Mandler, Eugen. (See Weiss, L., and Mandler.)
 Manhattan Electrical Supply Company. (See Avery, Charles E., assignor.)
 Manquen, John E., assignor to Buffalo Forge Company, Buffalo, N. Y. Change-speed mechanism for drilling machines or the like. 1,518,089; Dec. 2.
 Mansfield, William M., assignor of one-half to V. B. Pierce, Kreole, Miss. Crossing signal. 1,517,741; Dec. 2.
 Marbury, Ralph E., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Radiocondenser. 1,517,370; Dec. 2.
 Markham, Edward M., West Point, N. Y. Making and installing revetment mats. 1,517,565; Dec. 2.

Marler, John W., et al. (See Sartain, Louis M., assignor.)
 Marsh, Harold, New Bedford, Mass. Thread guide. 1,518,090; Dec. 2.
 Marshall, Harry F., and B. F. Wing, Idaho Falls, Idaho. Tallying machine. 1,517,371; Dec. 2.
 Marriott, Robert H., Bremerton, Wash. Spark gap. 1,517,566; Dec. 2.
 Martin, George, Brooklyn, assignor of one-half to J. J. Sullivan, New York, N. Y. Building construction. 1,517,244; Dec. 2.
 Martin, Howard, assignor to A. G. Patton, Monmouth, Ill. Dump car. 1,517,245; Dec. 2.
 Martin, John C., Cameron, Tex. Combined photographic enlarging lantern and printing machine. 1,517,742; Dec. 2.
 Martineau, Francis L., London, England. Internal-combustion engine. 1,517,372; Dec. 2.
 Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
 Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft. (See Eberic, Wilhelm, assignor.)
 Masland, Harvey C., Philadelphia, Pa. Surgical splint for fractures. 1,517,915; Dec. 2.
 Mason, Ralph K., Bantam, Conn. Electric switch. 1,517,567; Dec. 2.
 Mather, George L., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chilcopee Falls, Mass. Mold. 1,517,850; Dec. 2.
 Mathis, Alfred, West Hoboken, and J. Delplano, North Bergen, N. J. Window guard. 1,518,091; Dec. 2.
 Matteson, Fred A., Campbell, Calif. Egg grader. 1,517,743; Dec. 2.
 Mattson, Robert E., Elm Creek, Nebr. Bearing-burning-in machine. 1,517,373; Dec. 2.
 Mauborgne, Joseph O., and G. Hill, Washington, D. C. System of radiocommunication. 1,517,568; Dec. 2.
 Mauborgne, Joseph O., and G. Hill, Washington, D. C. System of radiotransmission. 1,517,569; Dec. 2.
 Mauborgne, Joseph O., Chicago, Ill., and G. Hill, Washington, D. C. System of radiocommunication. 1,517,570; Dec. 2.
 May, David T. (See Norton, P., and May.)
 Mayer, Martin F., Seattle, Wash. Lifeboat. 1,517,571; Dec. 2.
 McAndrew, Robert G., Boston, Mass. Ground-seeding apparatus. 1,517,791; Dec. 2.
 McCauley, John W., assignor of one-fourth to W. S. Roberson, one-fourth to D. S. Long, and one-fourth to R. C. Andrews, Chapel Hill, N. C. Dispensing apparatus. 1,517,300; Dec. 2.
 McClain, Leslie, Oklahoma City, Okla. Car-door operating and locking device. 1,517,443; Dec. 2.
 McClelland, Willis A., Denver, Colo. Illuminated wreath. 1,517,848; Dec. 2.
 McDowell, Walter W., assignor of one-third to R. E. E. Steigleder and one-third to F. M. Rigdon, Klefer, Okla. Electric heater for steering wheels. 1,518,085; Dec. 2.
 McElwain, W. H., Company. (See Ayer, Albert E., assignor.)
 McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Husk for lighting fixtures. Des. 66,133; Dec. 2.
 McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Bobesche for lighting fixtures. Des. 66,134; Dec. 2.
 McFarland, Owen D. (See Cumfer, H. A., and McFarland.)
 McIntosh, Robert, Portland, Oreg. Shifting board. 1,517,682; Dec. 2.
 McIntyre, John J., Los Angeles, Calif. Hinge. 1,517,792; Dec. 2.
 McKay, William F., Aberdeen, Scotland. Device for use in shifting tramway points. 1,517,243; Dec. 2.
 McKinney Manufacturing Company. (See Cade, Charles W., assignor.)
 McKinney, Ralph W., et al. (See Flint, Floyd E., assignor.)
 McLarrin, Gordon H., Halifax, Nova Scotia, Canada. Illuminated indicator. 1,518,086; Dec. 2.
 McLaughlin, William J., Doylestown, Pa. Ball. Des. 66,135; Dec. 2.
 McLellan, Archibald. (See Round, H. J., and McLellan.)
 McLellan, Daniel, Vancouver, British Columbia, Canada. Blood-transfusion apparatus. 1,517,849; Dec. 2.
 McLinden, William J., Owen Sound, Ontario, assignor to Canada Cycle & Motor Company, Limited, Weston, Ontario, Canada. Ankle support. 1,517,444; Dec. 2.
 McGary, Francis L., Hardinsburg, Ky. Box-strap seal. 1,517,515; Dec. 2.
 McMichael, Harvey F., and J. H. Lee, Timpas, Colo. Liquid heater. 1,517,301; Dec. 2.
 McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 66,136; Dec. 2.
 McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 66,137; Dec. 2.
 McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 66,138; Dec. 2.
 McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 66,139; Dec. 2.
 McMullen, Robert W., Bristow, Okla. Pipe wrench. 1,518,087; Dec. 2.
 McNeerney, Bernard L., Minneapolis, Minn. Adjustable wrench. 1,517,302; Dec. 2.

McNerney, Bernard L., Minneapolis, Minn. Adjustable wrench. 1,517,303; Dec. 2.
 McNerney, Bernard L., Minneapolis, Minn. Wrench. 1,517,304; Dec. 2.
 McNulty, Edward C., Kellogg, Minn. Sign. 1,518,088; Dec. 2.
 Means, John R., South Fork, Ark. Groundworking implement. 1,517,572; Dec. 2.
 Measured Service Meter Company. (See Crichton, Arthur M., assignor.)
 Mesgan, John F., Fitchburg, Mass. Holder. 1,518,092; Dec. 2.
 Melick, Harry V., Columbus, Ohio. Collar fastener. 1,517,305; Dec. 2.
 Melvin, Ernest W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizer. 1,517,517; Dec. 2.
 Menold, William H., Spokane, Wash. Clothesline-terminal grip. 1,518,093; Dec. 2.
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Apparatus for drilling holes. 1,518,124; Dec. 2.
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Channeling mechanism. 1,518,125; Dec. 2.
 Merizano, André M., New York, N. Y., assignor to American Radiator Company, Chicago, Ill. Heating apparatus. 1,517,518; Dec. 2.
 Merz, Otto H., Fond du Lac, Wis. Locking means. 1,517,447; Dec. 2.
 Messmer, Walter C., San Francisco, Calif. Toy. 1,518,094; Dec. 2.
 Metallbank und Metallurgische Gesellschaft, Aktiengesellschaft. (See Kallser, Karl, assignor.)
 Meyer and Wenthe. (See Meyer, Gustav A. J., assignor.)
 Meyer, Gustav A. J., assignor to Meyer and Wenthe, Chicago, Ill. Seal press. 1,517,851; Dec. 2.
 Meyers, Edward G., Passaic, N. J., assignor to A. Shapiro & Son Co., Inc., New York, N. Y. Textile fabric. Des. 66,140; Dec. 2.
 Middle West Mfg. Co. (See Bulger, Michael B., assignor.)
 Miller, Arthur E., et al. (See Wright, J. H., and Grove, assignors.)
 Miller, Henry, St. Louis, Mo. Composite railway cross-tie or sleeper for supporting the rails of a railway track. 1,517,793; Dec. 2.
 Miller, Victor F. (See Hendrickson, C. J., and Miller.)
 Mills, Lemuel H., Duck Creek, N. C. Tobacco looper. 1,518,095; Dec. 2.
 Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inclosed ventilated motor. 1,517,306; Dec. 2.
 Milroe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Stapling mechanism for box forming and stapling machines. 1,517,574; Dec. 2.
 Minge, Elmer, Chicago, Ill. Timing device. 1,517,794; Dec. 2.
 Minkie, Frank J. (See Hall, J. E., Minkie, and Cass.)
 Mitchell, Albert W., New Haven, Conn. Cigar and like cutter. 1,517,375; Dec. 2.
 Mitchell, John E., and W. G. E. Roloff, assignors to Walter G. E. Roloff, St. Louis, Mo. Refrigerating machine. 1,517,376; Dec. 2.
 Mitchell, William R. (See Jahraus, Henry G., assignor.)
 Moeller, Ernest R. (See Girard, A. G., and Moeller.)
 Mogford, Edmund C., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle brake. 1,517,246; Dec. 2.
 Molina, Walter E., London, England. Machine for wrapping cigarettes and similar articles. 1,517,307; Dec. 2.
 Monyer, Ralph V., Knoxville, Iowa. Hog trap. 1,517,575; Dec. 2.
 Monrose, Alphonse F., New York, N. Y. Mixing faucet. 1,517,744; Dec. 2.
 Montgomery, Albert U., Hattiesburg, Miss. Tobacco pipe. 1,517,445; Dec. 2.
 Moody, Lewis F., Philadelphia, Pa., assignor to William Cramp & Sons Ship & Engine Building Company. Hydraulic turbine. 1,517,916; Dec. 2.
 Moore, Charles W., Thorntown, Ind. Boat. 1,518,096; Dec. 2.
 Morehouse, Cyrus E., Philadelphia, Pa. Stencil-moistening device. 1,517,049; Dec. 2.
 Moreo, Earl H., assignor of one-fifth to H. J. Moreo, one-fifth to M. R. Euler, one-fifth to R. E. Wood, one-tenth to N. H. Tunks, and one-tenth to C. W. Baker, Lima, Ohio. Automatic release valve for the auxiliary reservoirs of air-brake systems. 1,518,097; Dec. 2.
 Moreo, Henry J., et al. (See Moreo, Earl H., assignor.)
 Morgan, Charles W., assignor of one-half to A. C. Lyen, Chicago, Ill. Vise. 1,517,308; Dec. 2.
 Morgan, Charles W., assignor of one-half to A. C. Lyen, Chicago, Ill. Vise. 1,517,309; Dec. 2.
 Morgan Construction Company. (See George, Jerome R., assignor.)
 Morley, Harold, Sale, near Manchester, England. Life-saving apparatus. 1,517,745; Dec. 2.
 Morris, Francis W., and M. C. Niland, Lockport, N. Y. Exterior lighting system for railway trains. 1,518,098; Dec. 2.
 Morrison, Walter, assignor to The Timken Roller Bearing Company, Canton, Ohio. Machine for closing in roller-bearing cages. 1,517,574; Dec. 2.
 Morrison, Albert C., and F. Seyferth, San Francisco, Calif. Boller. 1,517,795; Dec. 2.

Mortensen, Jens, Brooklyn, assignor to Northam Warren Corporation, New York, N. Y. Bottle-dipping machine. 1,517,310; Dec. 2.
 Mortensen, Jens N., Brooklyn, assignor, by mesne assignments, to Peerless Vending Company, Inc., New York, N. Y. Coin-controlled vending machine. 1,517,377; Dec. 2.
 Motor Player Corporation. (See Anderson, Harry J., assignor.)
 Motte, Georges, Brussels, Belgium. Electrode for electric arc welding. 1,517,311; Dec. 2.
 Moufang, Eduard, Kirm-on-the-Nahe, Germany, assignor to the Corporation of Nathan-Institut Aktiengesellschaft, Zurich, Switzerland. Treating substances used in fermenting industry. 1,517,050; Dec. 2.
 Mundt, Herbert B., et al. (See Williams, Henry H., assignor.)
 Murdoch, Walter S., Galveston, Tex. Rotary toothbrush. 1,517,917; Dec. 2.
 Murphy, P. H., Company. (See Finger, Paul E., assignor.)
 Murphy, William L., Caledonia, Minn. Mail-bag fastener. 1,517,449; Dec. 2.
 Musgrave, George H. (See Hassell, Frank H., assignor.)
 Muzzy, William H., Evanston, Ill. Water over and steam indicator for automobiles. 1,517,796; Dec. 2.
 Nagy, Louis, ar., Willis, Mich. Traction shoe. 1,517,450; Dec. 2.
 Naito, Ityoichi. (See Kobori, K., and Naito.)
 Nashua Gummed & Coated Paper Company. (See Twiss, Howard A., assignor.)
 Nashua Gummed & Coated Paper Company. (See Van Sluys, Adolph C., assignor.)
 Nathan-Institut Aktiengesellschaft. (See Moufang, Eduard, assignor.)
 Neal, Curtis C., Marinet, assignor, by mesne assignments, to Tiregase Valve Corporation, Charleston, W. Va. Transparent cap for pneumatic-tire-stem pressure gauges. 1,517,378; Dec. 2.
 Neesham, John H., assignor to John MacDonald & Son Limited, Glasgow, Scotland. Molding machine for foundry use. 1,517,797; Dec. 2.
 Neesham, John H., assignor to John MacDonald & Son Limited, Glasgow, Scotland. Molding machine for foundry use. 1,517,798; Dec. 2.
 Neff, Harry D., Cambridge, assignor to Re-Fillit Broom Company, Boston, Mass. Brush or broom. 1,517,552; Dec. 2.
 Neiswender, Daniel R., Topeka, Kans. Tray holder. 1,518,099; Dec. 2.
 Neil, Gustave M., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Mounting for rock drills. 1,517,312; Dec. 2.
 Nelson, George D., Terre Haute, Ind. Vehicle signal. 1,517,553; Dec. 2.
 Nelson, John H., assignor to Pullman Davenport & Upholstered Furniture Company, Chicago, Ill. Cushion-stuffing machine. 1,517,854; Dec. 2.
 Nelson, Otto E. (See Malmberg, J., and Nelson.)
 Neptune Meter Company. (See Ballantine, John H., assignor.)
 Newkirk, Perry B., Seattle, Wash. Vehicle spring. 1,517,855; Dec. 2.
 Newport News Shipbuilding & Dry Dock Company. (See Enz, Karl A., assignor.)
 Newton, John R., Philadelphia, Pa. Table scarf. Des. 66,141; Dec. 2.
 Newton, John R., Philadelphia, Pa. Portière. Des. 66,142; Dec. 2.
 New York Coil Company. (See Rhoades, Lewis T., assignor.)
 New York State Simplex Rim Corporation. (See Hall, J. E., Minkie, and Cass, assignors.)
 Nichols, Wesley G., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Heat treatment of manganese steel. 1,517,451; Dec. 2.
 Nicoll, Herbert. (See Gibson, R. E., and Nicoll.)
 Nicolson, Alexander M., Hillsdale, N. J. Steering means and method. 1,517,575; Dec. 2.
 Nightbert, Frel A., Bakersfield, Calif. Window-cleaning tool. 1,518,100; Dec. 2.
 Niland, Michael C. (See Morris, F. W., and Niland.)
 "Nips" Incorporated. (See Goodchild, Walter, assignor.)
 Noe, William R., & Sons. (See Villaret, Gustave E., assignor.)
 Norberg, Edmund A., Jamestown, N. Y. Collapsible sled. 1,517,379; Dec. 2.
 Nordstrom, Marie, and E. R. Brown, New York, N. Y. Toothbrush holder. 1,517,576; Dec. 2.
 Norris, Frederick J., Fall River, assignor to Draper Corporation, Hopedale, Mass. Let-back mechanism for looms. 1,518,118; Dec. 2.
 Norsk Hydroelektrisk Kvaestofaktieselskab. (See Halvorsen, Birger F., assignor.)
 Northam Warren Corporation. (See Mortensen, Jens, assignor.)
 Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Millford, Mass. Loom. 1,517,856; Dec. 2.
 Norton Company. (See Larason, Thure, assignor.)
 Norton, Philander, and D. T. May, Port Washington, assignors to Western Electric Company, Incorporated, New York, N. Y. Selective system. 1,517,857; Dec. 2.

Nowell, Edward E., Reading, Pa. Controlling the traverse of yarn guides on spinning machines. 1,517,746; Dec. 2.
 Nuttall, R. D., Company. (See Kelm, Lester H., assignor.)
 Oakes, Lorenzy D., et al. (See Sartain, Louis M., assignor.)
 Oakley, Frederick, Thornton Heath, and G. W. Gibbs, Norbury, England. Clip for suspenders. 1,518,101; Dec. 2.
 Odhner, Valentin J., Rasunda, near Stockholm, Sweden. Calculating machine. 1,517,858; Dec. 2.
 Odom, H. H., et al. (See Jones, William F., assignor.)
 Oehler, Otto C., and W. Hillebrand, St. Louis, Mo. Machine and method for making dry-pressed rough-texture brick. 1,517,452; Dec. 2.
 Ogden, Jacob W. (See Pitney, A. H., and Ogden.)
 O'Hanlon, Henry F. (See Dickenson, J. A., and O'Hanlon.)
 Oleson, Olaf E., East Chicago, Ind. Valve. 1,517,380; Dec. 2.
 Oliver Iron & Steel Corporation. (See Fassinger, Charles, assignor.)
 Olson, Zacharias, New York, N. Y. Lubricant. 1,517,577; Dec. 2.
 Orr, William V., Cleveland, Ohio. Switch housing. 1,517,578; Dec. 2.
 O'Shea, Dennis C., Chicago, Ill. Ball. 1,517,859; Dec. 2.
 Ostrowlocki, Martin, Chicago, Ill. Picture frame. Des. 66,143; Dec. 2.
 Owosso Sugar Company. (See De Geus, Henry, assignor.)
 Packard Motor Car Company. (See Stout, William B., assignor.)
 Parker, Howard, Berlin, and C. W. Sleeper, Lancaster, assignors to Brown Company, Berlin, N. H. Felt guide. 1,517,747; Dec. 2.
 Parker, William M., Parkersburg, W. Va. Mold for making sockets. 1,517,799; Dec. 2.
 Parker, William M., Parkersburg, W. Va. Socket and ring. 1,517,800; Dec. 2.
 Parsons, Charles A., and S. S. Cook, Newcastle-on-Tyne, England; said Cook assignor to said Parsons. Resilient mounting suitable for toothed-wheel transmission gearing. 1,517,748; Dec. 2.
 Pashley, William H., New York, N. Y. Casting machine. 1,517,579; Dec. 2.
 Patton, A. G. (See Martin, Howard, assignor.)
 Paulus, Charles L. (See Kauch, R., and Paulus.)
 Paulus, Charles L. (See Russell, H. O., and Paulus.)
 Payne, Raymond P. (See Evans, A. B., and Payne.)
 Pearce, Herbert, Stretford, England, assignor to Westinghouse Electric & Manufacturing Company. Distributing system. 1,517,247; Dec. 2.
 Pease, Edward L., Darlington, England. Apparatus for the subdivision and treatment of fluids. 1,517,313; Dec. 2.
 Peerless Manufacturing Company. (See McMinn, John E., assignor.)
 Peerless Vending Company. (See Mortensen, Jens N., assignor.)
 Perky, Scott H., Keeseville, N. Y. Cake or similar product. Des. 66,172; Dec. 2.
 Perky, Scott H., Keeseville, N. Y. Food product and making same. 1,517,453; Dec. 2.
 Petoskey, Cyrillus J., Lansing, Mich. Lathe attachment. 1,517,580; Dec. 2.
 Phillips, Paul D., Elmhurst, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch cluster. 1,517,683; Dec. 2.
 Philpott, Oren E., Fieldale, Va., assignor of fifteen one-hundredths to S. G. Whittle, Jr., and K. C. Whittle. Beehive attachment. 1,518,102; Dec. 2.
 Picciotto, Salvatore, New York, N. Y. Vanity case. 1,518,103; Dec. 2.
 Pick, Albert, & Company. (See Pick, Hugo, assignor.)
 Pick, Hugo, Winnetka, assignor to Albert Pick & Company, Chicago, Ill. Spoon or similar article. Des. 66,144; Dec. 2.
 Pierson, Charles V., Duluth, Minn. Mold. 1,517,918; Dec. 2.
 Pigott, Jewell W., Tylertown, Miss. Antiskid chain. 1,517,749; Dec. 2.
 Pinkerton, Bessie C., et al. (See Flint, Floyd F., assignor.)
 Pirce, V. B. (See Mansfield, William M., assignor.)
 Pitcairn, Gilbert, West Orange, N. J., assignor to William S. Pitcairn Corporation, New York, N. Y. Plate or similar article. Des. 66,145; Dec. 2.
 Pitcairn, William S., Corporation. (See Pitcairn, Gilbert, assignor.)
 Pitney, Arthur H., and J. W. Ogden, assignors, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Paper feeding and controlling device for printing mechanisms. 1,517,248; Dec. 2.
 Pitney-Bowes Postage Meter Company. (See Pitney, A. H., and Ogden, assignors.)
 Pitzer, Fredrick W., South Norwalk, Conn. Hat-brush machine. 1,517,651; Dec. 2.
 Platt, Albert L., Omaha, Nebr. Game. 1,517,454; Dec. 2.
 Polidori, Curzio. (See Polidori, Ennio C., and E.)
 Polidori, Ennio. (See Polidori, Ennio C., and E.)
 Polidori, Ennio C., and E. Rome, Italy. Electric hammer. 1,518,104; Dec. 2.
 Pollock, Robert T. (See Rahr, C. E., and Pollock.)

Potts, Louis M., Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. System of telegraph distribution. 1,517,381; Dec. 2.
 Powe, Edward P., Berkeley, Calif. Wave motor. 1,517,750; Dec. 2.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Substation circuit. 1,517,382; Dec. 2.
 Prest-Air Corporation. (See Slate, Thomas B., assignor.)
 Priesthoff, John B., Kokomo, Ind., assignor of one-half to G. Wilken, Latonia, Ky. Glare dimmer. 1,517,453; Dec. 2.
 Proctor & Schwartz Incorporated. (See Bokum, W. F., and Senior, assignors.)
 Pulliam, James E., New York, N. Y. Tagging device. 1,517,456; Dec. 2.
 Pullman Davenport & Upholstered Furniture Company. (See Nelson, John H., assignor.)
 Purdy, Percival J., London, England. Bottle-labeling machine. 1,517,751; Dec. 2.
 Purdy, Percival J., London, England. Bottle-labeling machine. 1,517,752; Dec. 2.
 Quarles, Frank W., Baltimore, Md. Recording mechanism. 1,517,652; Dec. 2.
 Quigley, John T., assignor to Costmeter Company, Boston, Mass. Filing and indexing equipment. 1,518,105; Dec. 2.
 R & C Company. (See Zimmerman, Emil C., assignor.)
 Rabe, Paul, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Dyeing. 1,517,581; Dec. 2.
 Radio Corporation of America. (See Round, H. J., and McLellan, assignors.)
 Rafferty, Charles D., Sault Ste. Marie, Ontario, Canada. Whistle-operating valve. 1,518,106; Dec. 2.
 Rafferty, Charles D., Sault Ste. Marie, Ontario, Canada. Fluid-operated whistle valve. 1,518,107; Dec. 2.
 Rahr, Chester E., assignor to The Flintkote Company, Boston, Mass. Roofing machine. 1,517,582; Dec. 2.
 Rahr, Chester E., and R. T. Pollock, Boston, Mass., assignors to The Flintkote Company. Roofing product and making same. 1,517,860; Dec. 2.
 Ramsay, Henry M., Altoona, and J. A. Rickabaugh, Pittsburgh, Pa. Brake club. 1,517,583; Dec. 2.
 Ramsdell, Earle. (See Case, Francis M., assignor.)
 Ramsden, Victor, et al. (See Fraser, William, assignor.)
 Rankin, Carl H., Wellsburg, W. Va. Toothed gearing. 1,518,109; Dec. 2.
 Rapp, Alfred V., Akron, Ohio. Figure toy. 1,518,108; Dec. 2.
 Raymond, Arthur F. (See Reed, Llewelyn M., assignor.)
 Becker, Adolph C., Oakville, assignor to The Chase Companies Inc., Waterbury, Conn. Push-type flush receptacle for electric installation. 1,517,684; Dec. 2.
 Redington, F. B., Company. (See Milroe, Michael J., assignor.)
 Reece, Wilbur M., Enterprise, Oreg., and C. E. Tomlinson, Chehalis, Wash. Theftproof electric-light bulb. 1,517,584; Dec. 2.
 Reed, Charles J., San Mateo, assignor of one-half to A. A. Hall, San Francisco, Calif. Converting massive and other forms of sulphur into finely-divided flowers of sulphur. 1,518,126; Dec. 2.
 Reed, Clarence E. (See Sorensen, S., and Reed.)
 Reed, Llewelyn M., Dudley, assignor of one-half to A. F. Raymond, Webster, Mass. Sweep-stick-supporting fixture for looms. 1,517,314; Dec. 2.
 Reed, Robert H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Combined tar extractor and gas exhauster. 1,517,457; Dec. 2.
 Reed Roller Bit Company. (See Sorensen, S., and Reed, assignors.)
 Rees, Warren C., Somerville, assignor to Aseptic Service Company, Boston, Mass. Locked fastening. 1,518,119; Dec. 2.
 Re-Fillit Broom Company. (See Neff, Harry D., assignor.)
 Reichel, Hugo, Chicago, Ill. Apparatus for and process of cutting tires. 1,517,801; Dec. 2.
 Reid, Joseph S., assignor to Clark Brothers Company, Olean, N. Y. Sawmill-carriage knee. 1,518,110; Dec. 2.
 Reilly, Virgil G., Sydney, New South Wales, Australia. Optical apparatus for use in the hand reproduction of drawings, photographs, and other illustrations or designs. 1,518,111; Dec. 2.
 Reiter, Otis F., Baltimore, Md. Toy. 1,517,458; Dec. 2.
 Reiter, Pola H., Elgin, Ill. Venting device. 1,517,459; Dec. 2.
 Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
 Remington Typewriter Company. (See Barney, Edwin E., assignor.)
 Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Winding machine. 1,518,120; Dec. 2.
 Rhoades, Lewis T., Mont Clare, Pa., assignor to New York Coil Company, New York, N. Y. Combined timer and distributor. 1,517,653; Dec. 2.
 Rhodes, William A., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,517,315; Dec. 2.
 Richardson, De Soto E., Riverside, Wash. Fruit-picking device. 1,517,753; Dec. 2.
 Richardson, George W., Bad Axe, Mich. Window scaffold. 1,517,585; Dec. 2.

Richardson, Oscar W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier magazine. 1,517,460; Dec. 2.

Richardson, W., et al. (See Fleener, Charles J., assignor.)

Rickabaugh, Justus A. (See Ramsay, H. M., and Rickabaugh.)

Riddle, Edward N. Co. (See Crowell, Frank S., assignor.)

Ridgway, Edward J., Hempstead, N. Y. Covered dish. Des. 66,146; Dec. 2.

Riegger, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone. 1,517,754; Dec. 2.

Rigby, Thomas, London, England. Drying solid combustible material. 1,517,755; Dec. 2.

Rigdon, Francis M., et al. (See McDowell, Walter W., assignor.)

Ringling Brothers. (See Francois, Alfonse, assignor.)

Roberson, W. S., et al. (See McCauley, John W., assignor.)

Roberts, John H., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Gluing device for tire-wrapping machines. 1,518,121; Dec. 2.

Robinson, Hugh A., Keyport, N. J., assignor to Aeromarine Plane & Motor Co. Inc. Pump. 1,517,461; Dec. 2.

Rockwell, Albert F., Bristol, Conn., assignor, by mesne assignments, to Standard Steel and Bearings Incorporated, Wilmington, Del. Tumbling device. 1,517,462; Dec. 2.

Rodgers, John B., Hamburg, Ark. Gate-operating means. 1,517,316; Dec. 2.

Roe, Edward W. (See Boyle, W. J., and Roe.)

Roe, Emmett J., Augusta, Kans. Underreamer. 1,517,586; Dec. 2.

Roger, George, Warrington, and G. Roger, Jr., Havannah, near Congleton, England. File-cutting machine. 1,517,909; Dec. 2.

Roger, George, Jr. (See Roger, George and G., Jr.)

Rogers, Robert D., et al. (See Fraser, William, assignor.)

Roloff, Walter G. E. (See Mitchell, J. E., and Roloff.)

Root, Charles S. (See Kirwin, Thomas, assignor.)

Root, Ralph K., Lakewood, assignor to The Globe Machine and Stamping Company, Cleveland, Ohio. Glass face for a tail lamp. Des. 66,147; Dec. 2.

Rose, Robert L., assignor of one-half to C. E. Empson, Springfield, Tenn. Protecting tobacco-curing barns. 1,517,463; Dec. 2.

Rosenbaum, Bruno, Berlin, Germany. Electric relay. 1,517,249; Dec. 2.

Rosher, Frederick H., London, England. Insole. 1,517,861; Dec. 2.

Ross, Labron B., Hamilton, Ohio. Method and apparatus for forming paper articles. 1,517,862; Dec. 2.

Rosbach, Clement A., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Core pad. 1,517,863; Dec. 2.

Roth, Ernst, Niederuzwil, assignor to the Firm Gebrüder Bühler, Uzwil, Switzerland. Freely-swinging shaking mechanism. 1,517,587; Dec. 2.

Rottman, Ernest L., Salt Lake City, Utah. License-plate holder. 1,517,383; Dec. 2.

Round, Henry J., London, and A. McClellan, Swansea, England, assignors to Radio Corporation of America, New York, N. Y. Wireless signaling system. 1,517,654; Dec. 2.

Rowland, Alexander S., New York, N. Y. Candlestick. Des. 66,148; Dec. 2.

Royal Typewriter Company. (See Hess, Edward B., assignor.)

Rumpf, William, sr., South Longhorne, Pa. Textile fabric. Des. 66,149; Dec. 2.

Runk, John, Stillwater, Minn. Wiper for phonograph-record-cleaning attachments. 1,517,864; Dec. 2.

Ruscoe, William G., Stamford, Conn. Headlight glare shield. 1,518,112; Dec. 2.

Rushmore, Samuel W., Plainfield, N. J. Centrifugal-draft radiator. 1,517,919; Dec. 2.

Russel Motor Axle Company. (See Coapman, John, assignor.)

Russell, Herbert O., Parlier, Calif., and C. L. Paulus, Dayton, Ohio. Synchronized shutter for use upon an airplane searchlight or projected gun sight. 1,517,317; Dec. 2.

Rutgerswerke Aktiengesellschaft, Abteilung Planierwerke. (See Beer, Hans, assignor.)

Ryan, F. J., & Company. (See Bechtel, Theodore B., assignor.)

Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving pile fabrics. 1,517,464; Dec. 2.

Sabo, Louis, Carroll, W. Va. Trolley head. 1,517,465; Dec. 2.

Sachs, Hugo, Leipzig, Germany. Press-button switch. 1,517,920; Dec. 2.

Safety Car Heating & Lighting Company. (See Schaller, O., and Schröter, assignors.)

Salt, D. and L., et al. (See Austin, Alonzo J., assignor.)

Sampson, Erick G., Jamestown, N. Y. Drain cock. 1,517,384; Dec. 2.

Santoro, Ralph, Philadelphia, Pa. Trolley harp and trolley head. 1,517,756; Dec. 2.

Sargeant, John M., Elmira, N. Y. Brooder heater. 1,517,757; Dec. 2.

Sartain, Louis M., Pelham, Tenn., assignor of one-tenth to J. W. Marler, Altamont, one-tenth to W. H. Woodlee, one-tenth to W. G. Woodlee, one-tenth to L. D. Oakes, one-tenth to H. Hamby, Pelham, one-tenth to W. J. Hines, Decherd, one-tenth to D. Christian, Morrison, and one-tenth to W. P. Stone, Tracy City, Tenn. Rail coupler. 1,518,113; Dec. 2.

Sasak, Frank C., Pomona, Calif. Handcuff holder. 1,517,588; Dec. 2.

Sawyer, Victory L., New York, N. Y. Remover for bottle closures. 1,517,250; Dec. 2.

Schaaf, Frank P., Chandler, Ill. Adjustable work-supporting stand. 1,517,251; Dec. 2.

Schanke, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley splice. 1,517,252; Dec. 2.

Schaefer, John, New York, N. Y. Windshield-glass fastener. 1,518,000; Dec. 2.

Schaller, Otto, Berlin-Sudende, and P. Schröter, Berlin-Schwargendorf, Germany, assignors to Safety Car Heating & Lighting Company. Gaseous-conduction lamp. 1,517,466; Dec. 2.

Schenk, Tams C., Bridgeville, and P. Gombert, Pittsburgh, Pa. Buck anchor. 1,518,001; Dec. 2.

Schick, Jacob, Newark, assignor to M. R. Hutchison, West Orange, N. J. Pencil sharpener. 1,517,253; Dec. 2.

Schlesari, Mario, New York, N. Y. Method and apparatus for aerial propulsion. 1,517,865; Dec. 2.

Schmidt, Henry E., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Steam-actuated ejector. 1,517,467; Dec. 2.

Schneider & Co. (See Schneider, Eugene, assignor.)

Schneider, Eugene, assignor to Schneider & Co., Paris, France. Apparatus for loading and ramming projectiles in guns. 1,517,758; Dec. 2.

Schneider, Jacques, and F. Billon, Solothurn, and E. Hurlimann, Zurich, assignors to the Firm "Scintilla," Solothurn, Switzerland. Distributor for the high-voltage current of magneto-electric ignition machines. 1,518,002; Dec. 2.

Schnell, Rafael. (See Sussman, H., and Schnell.)

Schollin, Axel R., assignor to Automatic Wrapping Machine Company, Chicago, Ill. Sheet-feeding mechanism. 1,517,254; Dec. 2.

Schollin, Axel R., assignor to Automatic Wrapping Machine Company, Chicago, Ill. Sheet-feeding mechanism. 1,517,255; Dec. 2.

Scholl, Otto. (See Seckser, J., and Scholl.)

Scholz, William, Clifton, N. J. Attachment for picker sticks. 1,517,256; Dec. 2.

Schröter, Fritz. (See Schaller, O., and Schröter.)

Schwartz, Benjamin, New York, N. Y. Embroidered textile fabric. Des. 66,150; Dec. 2.

Schwenk, Henry. (See Seckser, J., and Scholl, assignors.)

Scientific Materials Company. (See Fisher, Edwin H., assignor.)

"Scintilla." (See Schneider, J., Billon, and Hurlimann, assignors.)

Scott, Dudley H., assignor to The Humphrey Company, Cleveland, Ohio. Amusement apparatus. 1,517,589; Dec. 2.

Scott, John S., Gallina, N. Mex. Combined shipping display and advertising case. 1,518,003; Dec. 2.

Scottish Dyes Limited. (See Dandridge, A. G., and Thomas, assignors.)

Scudder, Frederick J., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,517,257; Dec. 2.

Seales, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,517,685; Dec. 2.

Schellin, William, Camas, Mont. Reinforcing splint for wax foundations. 1,518,004; Dec. 2.

Seckser, Joseph, and O. Scholl, Dodgeville, assignors of one-third to H. Schwenk, Hancock, Mich. Vehicle direction indicator. 1,517,318; Dec. 2.

Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Regulating the speed of an electric-motor cascade. 1,517,866; Dec. 2.

Senior, John H. (See Bokum, W. F., and Senior.)

Serfaust, Marius, Paris, France. Folding table. 1,518,005; Dec. 2.

Severn, Arthur H., assignor to A. Stucki Company, Pittsburgh, Pa. Roller side bearing. 1,517,468; Dec. 2.

Séguin, Frederick J., Milford, N. H. Marking fruit. 1,518,006; Dec. 2.

Sewell, William B., Denver, Colo. Bumper for motor-driven vehicles. 1,517,590; Dec. 2.

Sexton, Roy W., Wytheville, Va. Bridging expansible filler form. 1,517,867; Dec. 2.

Seyboth, Fritz, Zwickau, Germany. Wet-fuel furnace. 1,517,319; Dec. 2.

Seyferth, Frank. (See Morrisson, A. C., and Seyferth.)

Shapiro, A., & Son Co. (See Meyers, Edward G., assignor.)

Shaw, John C., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Electric tracer. 1,518,114; Dec. 2.

Shen, Milton R., assignor to Tunnel Machine Manufacturing and Engineering Company, Philadelphia, Pa. Tunneling machine. 1,517,802; Dec. 2.

Shen, Milton R., assignor to Tunnel Machine Manufacturing Engineering Company, Philadelphia, Pa. Block-forming machine. 1,517,803; Dec. 2.

Sheer, Henry M., Quincy, Ill. Heater. 1,518,007; Dec. 2.

Shimer, Elmer S., Milton, Pa. Pencil. 1,518,008; Dec. 2.

Shultz, George, Pittsburgh, Pa. Power-transmitting mechanism. 1,518,009; Dec. 2.

Shoenberg, Milton H., San Francisco, Calif. Reflecting heater. 1,517,759; Dec. 2.

Shook, Charles A., Edgar, Nebr. Floor wrecker. 1,517,591; Dec. 2.

Shreeves, Ida A., Denison, Tex. School-desk attachment. 1,517,868; Dec. 2.

Shultz, George W., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Attachment for water coolers. 1,517,804; Dec. 2.

Sibell, Helen E., executrix. (See Elder, John.)

Sieg, Charles H., et al. (See Williams, Henry H., assignor.)

Siemens & Halske, Aktiengesellschaft. (See Riegger, Hans, assignor.)

Signode System, Inc. (See Guenther, Arthur G. G., assignor.)

Simmons Method-Hob Company. (See Simmons, Oliver G., assignor.)

Simmons, Oliver G., assignor to Simmons Method-Hob Company, Philadelphia, Pa. Method and apparatus for making hobs. 1,517,921; Dec. 2.

Simpson, Gerald R., Kingman, Ariz. Pneumatic flotation cell. 1,518,010; Dec. 2.

Singrey, John R., Richmond, Va. Combined pedal and foot rest for automobiles. 1,517,592; Dec. 2.

Slate, Thomas B., Elmhurst, assignor, by mesne assignments, to Prest-Air Corporation, New York, N. Y. High-pressure piston. 1,517,593; Dec. 2.

Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed lock for rock drills. 1,517,470; Dec. 2.

Slaughter, John M., assignor of one-half to J. H. Smith, Bridgeport, Ala. Weaving shuttle. 1,518,011; Dec. 2.

Sleeper, Charles W. (See Parker, H., and Sleeper.)

Slonecker, Abram J., assignor to Slonecker Products Company, Trenton, Mo. Steering-gear indicator. 1,517,760; Dec. 2.

Slonecker Products Company. (See Slonecker, Abram J., assignor.)

Smith, Benjamin H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,517,258; Dec. 2.

Smith, Donald E., Sioux City, Iowa. Dental bridge. 1,517,655; Dec. 2.

Smith, Henry L., Paterson, N. J. Head-supporting bathing appliance. 1,517,469; Dec. 2.

Smith, James H. (See Slaughter, John M., assignor.)

Smith, Melvin R., Ridgefield, Conn. Headlight. 1,518,012; Dec. 2.

Smith, Willard G. (See Griffiths, R. E., and Smith.)

Smythe, Willard G., Grand Rapids, Mich. Pneumatic pump. 1,517,594; Dec. 2.

Snedden, Albert W., Brookville, Pa. Fuse holder. 1,517,385; Dec. 2.

Société Chimique des Usines du Rhone. (See Lahousse, Joseph E. G., assignor.)

Société pour la Fabrication de la Sole Rhodaseta. (See Bouvier, Maurice E., assignor.)

Söll, Julius. (See Specketer, H., Söll, and Biffinger.)

Sonora Phonograph Corporation. (See Wolff, Joseph, assignor.)

Sorensen, Sam, and C. E. Reed, Houston, Tex., assignors to Reed Roller Bit Company. Coupling for rotary-drill-stem sections. 1,517,761; Dec. 2.

Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Dispensing and measuring pump. 1,517,805; Dec. 2.

Speck, William C., Lamesa, Tex. Cultivator attachment. 1,517,259; Dec. 2.

Specketer, Heinrich, Griesheim-on-the-Main, J. Söll, Schwanheim-on-the-Main, and R. Biffinger, Griesheim-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Producing aluminum fluoride-alkali-metal fluoride double compounds practically free from iron. 1,517,686; Dec. 2.

Spencer, Percival H., Hartford, Conn. Automobile seat shock absorber. 1,517,806; Dec. 2.

Sperry, Lawrence B. (See Dunham, Erwin J., assignor.)

Spring, James M. (See Stell, B. C., and Spring.)

Stamey, De Keller, Yonkers, N. Y. Kettle scraper. 1,517,762; Dec. 2.

Standard Steel and Bearings Incorporated. (See Rockwell, Albert F., assignor.)

Stanley, Albert, Indianapolis, Ind. Anatomical articulator and grinder. 1,517,922; Dec. 2.

Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,518,013; Dec. 2.

Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,517,260; Dec. 2.

Stebbins, Albert H., Los Angeles, Calif. Pneumatic sizer. 1,517,595; Dec. 2.

Stebbins, Albert H., Los Angeles, Calif. Pneumatic sizer. 1,517,596; Dec. 2.

Stebbins, Albert H., Los Angeles, Calif. Separator. 1,517,597; Dec. 2.

Steel, Peck and Tozer, Limited, et al. (See Brooke, W., and Bowen, assignors.)

Steen, John H., Lexington, Miss. Drainage system. 1,518,014; Dec. 2.

Steidinger, Georg, Philadelphia, Pa. Hand plane. 1,517,656; Dec. 2.

Stelgleder, R. E., et al. (See McDowell, Walter W., assignor.)

Stell, Frank P., Cudahy, Wis. Gauntlet. 1,517,807; Dec. 2.

Stell, Bernard C., and J. M. Spring, Norfolk, Va. Apparatus for extracting fat. 1,517,763; Dec. 2.

Stevenson, John W., Ebbw Vale, England. Apparatus for spraying fluids and mixing the same. 1,517,598; Dec. 2.

Still, Frederick R., assignor to American Blower Company, Detroit, Mich. Heating system. 1,517,764; Dec. 2.

Stillmans, John, Beaumont, Tex. Power-transmission device. 1,517,519; Dec. 2.

Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-setting machine. 1,517,471; Dec. 2.

Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)

Stine, William L., Altoona, Pa. Window antirattler. 1,517,599; Dec. 2.

Stinebaker, Elmer, Chambersburg, Ill. Gate. 1,518,015; Dec. 2.

Stock, Lester C., University City, Mo. Cherry stoner. 1,517,600; Dec. 2.

Stoddart, John P., Salinas, Chacalluta, Arica, Chile. Toothbrush. 1,517,320; Dec. 2.

Stokely, Ray L., Floral Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Semi-automatic telephone-exchange system. 1,517,869; Dec. 2.

Stone, William P., et al. (See Sartain, Louis M., assignor.)

Stout, William B., assignor to Packard Motor Car Company, Detroit, Mich. Airplane. 1,517,765; Dec. 2.

Stover, Russell, assignor to Mrs. Stover's Bungalow Candles, Denver, Colo. Light fixture. Des. 66,151; Dec. 2.

Stover's, Mrs., Bungalow Candles. (See Stover, Russell, assignor.)

Streichman's Trouser Appliance Company. (See Aylett, Thomas J., assignor.)

Street, Clement F., Greenwich, Conn. Locomotive starter. 1,517,261; Dec. 2.

Street, Clement F., Greenwich, Conn. Auxiliary starting engine for locomotives. 1,517,262; Dec. 2.

Street, Clement F., Greenwich, Conn. Auxiliary starting engine for locomotives. 1,517,263; Dec. 2.

Strulste, Joseph, assignor to Westfield Manufacturing Company, Westfield, Mass. Support for pedicycles. 1,517,808; Dec. 2.

Strohschein, Margaret V., West New York, N. J. Indicating unauthorized use of motor vehicles. 1,517,264; Dec. 2.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Strong-Scott Manufacturing Company, The. (See Little, Philip, Jr., assignor.)

Struble, James F., Hutchinson, Kans. Windmill gearing. 1,518,016; Dec. 2.

Stuekl, A., Company. (See Severn, Arthur B., assignor.)

Sturm, Hans, Reichenberg, Czechoslovakia. Artificial tooth. 1,517,657; Dec. 2.

Stute, Henry G., and B. H. Walther, Evansville, Ind. Cooking range. 1,518,017; Dec. 2.

Sullivan, John J. (See Martin, George, assignor.)

Sullivan Machinery Company. (See Mercer, Henry H., assignor.)

Summerfield, Moses J. (See Fulton, Karl H., assignor.)

Sunbeam Electric Manufacturing Co. (See Fischelick, O. F., and Krahn, assignors.)

Superior Projector, Inc. (See Doherty, John, assignor.)

Sussman, Harry, Brooklyn, and R. Schnell, New York, N. Y. Candlestick. Des. 66,152; Dec. 2.

Swanson, Hjalmer. (See Bengtson, John A., assignor.)

Swett, Charles E., Boston, assignor of one-half to H. H. Beckwith, Brookline, Mass. Stiffening agent for fibrous materials. 1,517,520; Dec. 2.

Sylvan, Joseph, Chicago, Ill. Building-ventilator construction. 1,517,321; Dec. 2.

Sylvester, Arthur J., New York, N. Y. Dispensing and measuring apparatus. 1,517,923; Dec. 2.

Sylvester, Seymour, Brooklyn, N. Y. Machine for inserting weights in piano keys. 1,517,601; Dec. 2.

Symington, T. H., Company, The. (See Kadel, B. W., and Drenning, assignors.)

Syracuse Radiator Company. (See Jones, John W., assignor.)

Tabulating Machine Company, The. (See Lake, Clair D., assignor.)

Taylor, Charles C. (See Davis, F. K., and Taylor.)

Taylor, Herbert B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,517,265; Dec. 2.

Telch, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,517,924; Dec. 2.

Templin, Olin, Lawrence, Kans. Headlight reflector. 1,517,322; Dec. 2.

Tevander, Swan N., Maywood, Ill., assignor to American Can Company, New York, N. Y. Apparatus for applying cans to can bodies. 1,517,472; Dec. 2.

Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Seasoning of wood. 1,517,473; Dec. 2.

Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Typewriting machine. 1,517,474; Dec. 2.

Thomas, Albert D., Paris, France, assignor to Automatic Electric Company, Chicago, Ill. Line-finder switch. 1,517,266; Dec. 2.

Thomas, John. (See Dandridge, A. G., and Thomas.)

Thompson, Alexander M., Muskegon, Mich. Manhole construction. 1,517,871; Dec. 2.

Thompson, C. Harlan, San Antonio, Tex. Poultry fountain. 1,518,018; Dec. 2.

Timken Roller Bearing Company, The. (See Morrison, Walter, assignor.)

Tingley, Stephen L., New York, N. Y. Production of synthetic ammonia. 1,517,870; Dec. 2.

Tipton, Edna S., Chicago, Ill. Shopper's nail cleaning and polishing set. 1,517,809; Dec. 2.

Tireage Valve Corporation. (See Neal, Curtis C., assignor.)

Tirometer Valve Corporation of America. (See Badowski, Alfred, assignor.)

Tobey, Fred W., Grand Rapids, Mich. Door for cases and cabinets. 1,517,267; Dec. 2.

Tochio, Michio, London, England. Geyser, kettle, water heater, and other like receptacle. 1,517,925; Dec. 2.

Todd, Protectograph Company. (See Doerr, Fred H., assignor.)

Tolman, Richard C., Washington, D. C. Manufacture of phosphorus, etc. 1,518,019; Dec. 2.

Tomlinson, Carl E. (See Reece, W. M., and Tomlinson.)

Topham, Laurence E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Stop mechanism. 1,517,872; Dec. 2.

Forzewski, Adolph J., Ringle, Wis. Antiskid device. 1,517,766; Dec. 2.

Touney, Sinclair, Garden City, N. Y. X-ray-film carrier. 1,517,767; Dec. 2.

Towers, Jesse, Chicopee, Mass. Loom picker. 1,517,768; Dec. 2.

Trahan, Paul O., Gueydan, La. Safety attachment for tractors. 1,517,323; Dec. 2.

Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 1,518,020; Dec. 2.

Trenor, Albert D., New York, N. Y., assignor to J. H. Hammond, Jr., Gloucester, Mass. Diverting a dirigible body from a predetermined straight course to a predetermined straight course parallel to its original course. 1,517,873; Dec. 2.

Triumph Manufacturing Company, The. (See Ward, Paul S., assignor.)

Troger, Arthur M., Takoma Park, Md. Antenna safety link. 1,517,602; Dec. 2.

Truxillo, Henry A., Elizabeth, N. J. Dental instrument. 1,518,021; Dec. 2.

Tulsa Tool Company. (See Green, Ellis, assignor.)

Tunks, Nelson H., et al. (See Morco, Earl H., assignor.)

Tunnel Machine Manufacturing and Engineering Company. (See Sheen, Milton R., assignor.)

Turel, Augustus M. (See Brubaker, Otto L., assignor.)

Turley, Charles L., Woodlawn, Pa. Looper for rolling mills. 1,517,475; Dec. 2.

Turnbull, Nicholas K., Millport, Scotland. Bath for galvanizing. 1,517,324; Dec. 2.

Twiford, William R., Indianapolis, Ind. Windmotor. 1,518,022; Dec. 2.

Twiss, Howard A., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Paper-tape product and making the same. 1,518,122; Dec. 2.

Tyer, John J., Greensboro, N. C. Making boxes. 1,517,521; Dec. 2.

Tyler, Ralph G., Muncie, Ind. Golf putter. 1,517,476; Dec. 2.

Ullom, Isaac B., Washington, Pa. Attachment for hot-air registers. 1,518,023; Dec. 2.

Ulvang, Oscar L. (See Jensvold, Severin F., assignor.)

Underwood Computing Machine Company. (See Thieme, Otto, assignor.)

Underwood Typewriter Company. (See Davis, F. K., and Taylor, assignors.)

Union Switch & Signal Company, The. (See Castleman, Frank M., assignor.)

United Alloy Steel Corporation. (See Lehman, Edward G., assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)

United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)

Universal Oil Products Company. (See Egloff, G., and Renner, assignors.)

Universal Optical Corporation. (See Searles, Wayne S., assignor.)

Universal Skidless Chain Company. (See Van Ronzele, Arthur, assignor.)

"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Hohn, Max P. E., assignor.)

Urquhart, Murdoch B., Denver, Colo. Stoker. 1,518,024; Dec. 2.

Valentine, Peter E., Princeton, Ky. Mounting for car-wheel jacks. 1,517,769; Dec. 2.

Vallery, Frank, Belwood, Ontario, Canada. Ankle support for boots and shoes. 1,517,603; Dec. 2.

Van Brunt Manufacturing Company. (See Van Brunt, Willard A., assignor.)

Van Brunt, Willard A., Los Angeles, Calif., assignor to Van Brunt Manufacturing Company, Horicon, Wis. Driving mechanism for seeding machines. 1,517,268; Dec. 2.

Vance, James B., Louisville, Ky. Valve. 1,518,025; Dec. 2.

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Locker. 1,517,269; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,153; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,154; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,155; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,156; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,157; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,158; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,159; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,160; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,161; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,162; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,163; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,164; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,165; Dec. 2.

Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co., Inc., New York, N. Y. Flocked voile fabric. Des. 66,166; Dec. 2.

Van Emon, Burton C., San Francisco, assignor to J. M. Kotford, trustee, Oakland, Calif. Elevator drive. 1,517,874; Dec. 2.

Van Ronzele, Arthur, St. Louis, Mo., assignor to Universal Skidless Chain Company, Niles, Mich. Non-skid chain. 1,517,875; Dec. 2.

Van Sluys, Adolph C., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Expansion arbor. 1,518,026; Dec. 2.

Vauxhall Motors Limited. (See Ionides, Alexander G., assignor.)

Veley, Carl J., and W. S. Forbes, assignors to Worthmore Manufacturing Company, Kalamazoo, Mich. Gearing for washing machines. 1,517,604; Dec. 2.

Velline, Nels J. (See Bergquist, Carl F., assignor.)

Vester, Alfred, Sons, Inc. (See McFadden, Glenn E., assignor.)

Victor Talking Machine Company. (See Calderwood, F. S., and Zerunith, assignors.)

Villaret, Gustave E., Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y. Lamp. Des. 66,167; Dec. 2.

Villaret, Gustave E., Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y. Lamp. Des. 66,168; Dec. 2.

Voerkellus, Gustav A., Biebrich-on-the-Rhine, Germany. Manufacture of fertilizer by opening up phosphates with nitric acid. 1,517,687; Dec. 2.

Volek, William H., Watsonville, Calif. Producing lime-sulphur compounds. 1,517,522; Dec. 2.

Von Bielefeld, Herman, Woodhaven, N. Y. Match safe. 1,517,876; Dec. 2.

Von Post, Anna, executrix. (See Von Post, Carl G.)

Von Post, Carl G., deceased, Stockholm; A. von Post, executrix, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden. Casing for weighing mechanisms. 1,517,658; Dec. 2.

Vosmek, Ulrich, Antigo, Wis. Revolver-cylinder lock. 1,518,027; Dec. 2.

Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 66,169; Dec. 2.

Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase appendage. Des. 66,170; Dec. 2.

Wadsworth Watch Case Company, The. (See Wadsworth, A. W., and Conant, assignors.)

Wager, Owen H., Cincinnati, Ohio. Angle cock for air-brake equipment. 1,517,325; Dec. 2.

Walker, Robert D., Beggs, Okla. Oil-well-pump attachment. 1,518,028; Dec. 2.

Wallace, Fred J., Eumeclew, Wash. Wood-planer feed chain. 1,518,029; Dec. 2.

Wallem, Axel B., Cynwyd, assignor to H. S. B. W. Cochrane Corporation, Philadelphia, Pa. Valve. 1,517,877; Dec. 2.

Waller, Barney, Philadelphia, Pa. Indoor baseball game. 1,518,030; Dec. 2.

Walther, Benjamin H. (See State, H. G., and Walther.)

Ward, Paul S., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Friction clutch. 1,518,115; Dec. 2.

Warne, Frederick C., Mansfield, Ohio. Disk harrow. 1,517,659; Dec. 2.

Warner, Chester E., Berwyn, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Swivel-shell attachment plug. 1,517,688; Dec. 2.

Warren, Edward B., Long Beach, Calif. Tourist's travel indicator. 1,517,695; Dec. 2.

Wasmayr, Franz, W. Neustadt, Austria. Process and machine for making fuses. 1,517,878; Dec. 2.

Waterman, Harry H., Strasburg Junction, Va. Pneumatic separator. 1,518,031; Dec. 2.

Watkins, Arthur F., Lakewood, Ohio. Carbon eliminator and fuel saver for internal-combustion engines. 1,517,326; Dec. 2.

Watson, Ernest, Wauwatosa, Wis. Form holder for concrete walls. 1,517,879; Dec. 2.

Weckesser, Oscar H., Pittsburgh, Pa. Washing device. 1,517,926; Dec. 2.

Weinfeld, Charles, et al., executors. See Herskovitz, Max.)

Weiss, Adolph. (See Weiss, Leo and A.)

Weiss, Karl, Nuremberg, Germany. Coupling for sub-caliber or practice barrels. 1,517,328; Dec. 2.

Weiss, Leo, and E. Mandler, Vienna, Austria. Centrifugal fan or blower. 1,517,329; Dec. 2.

Weiss, Leo and A., New York, assignors to Automat Paper Box Co., Inc., Brooklyn, N. Y. Making boxes. 1,517,927; Dec. 2.

Wells, Lewis H., Jr., Beaver Falls, Pa. Automatic slacker for seamless-tube mills. 1,517,330; Dec. 2.

Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Calif. Recovery of metallic values from slag. 1,517,689; Dec. 2.

Welch, John B., Shreveport, La. Drying apparatus. 1,517,928; Dec. 2.

Wellensiek, Louis H., Houston, Tex. Drilling apparatus. 1,517,880; Dec. 2.

Wells, William S., South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Weft stop motion for looms. 1,517,929; Dec. 2.

Wells, William S., South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Beam-supporting means. 1,517,930; Dec. 2.

Wenman, Frederick A., Brooklyn, N. Y. Flinder. 1,518,032; Dec. 2.

Wennerby, Arthur O. L., Halmstad, Sweden. Two-stroke-cycle combustion engine. 1,518,033; Dec. 2.

Wenzel, Max, Muldenstein, Kreis Bitterfeld, Germany. Suction box for paper machines and the like. 1,518,116; Dec. 2.

Westfield Manufacturing Company. (See Strnlsté, Joseph, assignor.)

Western Electric Company. (See Hendrickson, C. J., and Miller, assignors.)

Western Electric Company. (See Norton, P., and May, assignors.)

Western Electric Company. (See Scudder, Frederick J., assignor.)

Western Electric Company. (See Stearn, Franklin A., assignor.)

Western Electric Company. (See Stokely, Ray L., assignor.)

Western Electric Company. (See Taylor, Herbert B., assignor.)

Western Electric Company. (See Williams, Samuel B., Jr., assignor.)

Westinghouse Electric & Manufacturing Company. (See Buchanan, Omar B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Crichton, Leslie N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Mills, Chester B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Pearce, Herbert, assignor.)

Westinghouse Electric & Manufacturing Company. (See Schaeke, William, assignor.)

Westinghouse Electric and Manufacturing Company. (See Schmidt, Henry F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)

Westinghouse Electric Products Company. (See Woodson, James C., assignor.)

White, Thomas, Detroit, Mich. Cigar lighter. 1,517,477; Dec. 2.

Whiting, Herbert S., Haworth, N. J. Lighting fixture. Des. 66,171; Dec. 2.

Whitting, John A., Waycross, Ga. Internal-combustion-motor-propelled railway car. 1,518,034; Dec. 2.

Whitlock, John T. (See Dec, J. F., and Whitlock.)

Whittle, Kennon C., et al. (See Philpott, Oren E., assignor.)

Whittle, Stafford G., Jr., et al. (See Philpott, Oren E., assignor.)

Wible, Omer S., Independence, Kans. Device for puncturing cells of citrus fruits. 1,517,931; Dec. 2.

Wico Electric Company. (See Brown, P., and Hendrickson, assignors.)

Wico Electric Company. (See Louis, Terrence G., assignor.)

Wiese, Edwin C., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for vulcanization. 1,517,327; Dec. 2.

Wiese, Edwin C., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Coating fabric with rubber. 1,517,696; Dec. 2.

Wiesenmeyer, Charles F., Springfield, Ill. Automobile tire-chain fastener. 1,517,607; Dec. 2.

Wilder, Asaph, et al. (See Wright, J. H., and Grove, assignors.)

Wildman Mfg. Co. (See Howie, Kenneth, assignor.)

Wildman Mfg. Co. (See Kriebel, Charles C., assignor.)

Wiley, Samuel, Metuchen, N. J. Fuse. 1,517,810; Dec. 2.

Wilhelm, Henry, Brooklyn, N. Y. Lock-controlling mechanism for sectional boxes. 1,517,270; Dec. 2.

Wilhelm, John W., St. Petersburg, Pa. Baby carrier. 1,518,035; Dec. 2.

Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,517,478; Dec. 2.

Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,517,479; Dec. 2.

Wilken, George. (See Priesthoff, John B., assignor.)

Wilkinson, Howard O., Kingfisher, Okla. Plow. 1,518,036; Dec. 2.

Williams, Henry H., Abilene, Tex., assignor of one-third to H. B. Mundt and one-third to C. H. Sieg, Chicago, Ill. Electrolyte. 1,517,660; Dec. 2.

Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,517,331; Dec. 2.

Willis, Olo C., assignor to The P. A. Geier Company, Cleveland, Ohio. Switching handle. 1,517,811; Dec. 2.

Wilson, David. (See Gray, H. M., and Wilson.)

Wilson, Frank N., St. Louis, Mo. Tearing-down and gathering arm for coal loaders. 1,517,812; Dec. 2.

Wilson, Paul L., Philadelphia, Pa. Glareshield for headlights. 1,517,661; Dec. 2.

Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Toilet box. 1,517,662; Dec. 2.

Wilson, Robert H., Baltimore, Md. Coaster car. 1,518,037; Dec. 2.

Wilson, Samuel J., Charlestown, Mass. Arch-flue clamp. 1,518,038; Dec. 2.

Wilson, William G., West New Brighton, N. Y. Rail joint. 1,517,480; Dec. 2.

Winans, Daniel M., Binghamton, N. Y. Curtain light. 1,518,039; Dec. 2.

Wing, Bennett F. (See Marshall, H. F., and Wing.)

Wohlgenuth, Henry E., Durham, Kans. Thrashing machine. 1,517,481; Dec. 2.

Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Sound conveyor for talking machines. 1,517,813; Dec. 2.

Wolsifer, John V., Indianapolis, Ind. Clothes bagger. 1,517,814; Dec. 2.

Wood, Ray E., et al. (See Morco, Earl H., assignor.)

Wood, Robert W., Baltimore, Md. Signaling system. 1,517,332; Dec. 2.

Woodard, William E., Forest Hills, N. Y. Locomotive. 1,517,881; Dec. 2.

Woodlee, William G., et al. (See Sartain, Louis M., assignor.)

Woodlee, William H., et al. (See Sartain, Louis M., assignor.)

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Sectional bake oven. 1,517,271; Dec. 2.

Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Tray-locking means for reel-type ovens. 1,517,272; Dec. 2.

Woolley, Erving Y., trustee. (See Cummin, Edward A., assignor.)

Worrell, Dwight E. (See Arras, G., and Worrell.)

ALPHABETICAL LIST OF PATENTEES.

Worthmore Manufacturing Company. (See Veley, C. J., and Forbes, assignors.)
 Wright, John H., and B. H. Grove, Byron, assignors of one-tenth to A. E. Miller, Sacramento, and one-tenth to A. Wilder, Byron, Calif. Automatic train stop. 1,517,815; Dec. 2.
 Wuelker, William E., Los Angeles, Calif. Polishing brush. 1,517,882; Dec. 2.
 Yale & Towne Manufacturing Company, The. (See Freysinger, John B., assignor.)
 Yenniker, Rudolph M. (See Langenau, J. F., and Yenniker.)
 Yoldi, Alfredo. (See Llera, F. F., and Capo, assignors.)
 Young, Donald H., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Pintle-link chain. 1,517,482; Dec. 2.
 Young, Eda L., Sewickley, Pa. Comb. 1,517,333; Dec. 2.

Young, Eda L., Sewickley, Pa. Comb. 1,517,334; Dec. 2.
 Young, Franklin K., Winthrop, Mass., assignor to Young Gun Company, Dover, Del. Firearm. 1,517,483; Dec. 2.
 Young Gun Company. (See Young, Franklin K., assignor.)
 Young, William F. (See Aufderhelde, Benjamin F., assignor.)
 Zerunelth, Rudolph E. (See Calderwood, F. S., and Zerunelth.)
 Ziegler, Alfred A., Boston, Mass. Electromagnet. 1,517,770; Dec. 2.
 Zimmerman, Emil C., assignor to Q & C Company, New York, N. Y. Guard-rail clamp. 1,517,663; Dec. 2.
 Zlins, Frederick, Anchorage, Alaska. Extensible pipe. 1,517,335; Dec. 2.
 Zuck, Nicholas, Rochester, N. Y. Coat-front structure. 1,518,040; Dec. 2.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Adding machines, Transfer mechanism in. F. H. Doerr. 1,517,413; Dec. 2.
 Adding machines, Zero-setting mechanism in. F. H. Doerr. 1,517,412; Dec. 2.
 Address-plate holder. C. Chisholm. 1,517,889; Dec. 2.
 Adjustable screen. A. W. Emerson. 1,517,548; Dec. 2.
 Adjustable wrench. B. L. McNeerney. 1,517,302-3; Dec. 2.
 Advertising device. D. L. Corthell. 1,517,958; Dec. 2.
 Aerial propulsion, Method and apparatus for. M. Schiesari. 1,517,865; Dec. 2.
 Air-brake equipment, Angle cock for. O. H. Wager. 1,517,325; Dec. 2.
 Air controller for pressure tanks, Automatic. H. H. Kunze. 1,517,842; Dec. 2.
 Air face, Cold. R. C. Kuhn. 1,517,841; Dec. 2.
 Air heater. H. Baetz. 1,517,487; Dec. 2.
 Airplane. S. Hart and R. I. Eustis. 1,517,289; Dec. 2.
 Airplane. W. B. Stout. 1,517,765; Dec. 2.
 Airplane searchlight or projected gun sight, Synchronized shutter for use upon an. H. O. Russell and C. L. Paulus. 1,517,317; Dec. 2.
 Airplanes, Fixed gun mount for. D. C. Maier. 1,517,369; Dec. 2.
 Air registers, Attachment for hot. I. B. Ullom. 1,518,023; Dec. 2.
 Air separator. R. M. Gay. 1,517,900; Dec. 2.
 Airships, Stern construction of rigid. K. Arnstein. 1,517,885; Dec. 2.
 Air velocity, Instrument for measuring. E. N. Fales. 1,517,350; Dec. 2.
 Almond separator and grader. H. S. Blinford. 1,517,941; Dec. 2.
 Aluminum fluoride-alkali metal fluoride double compounds practically free from iron, Producing. H. Specketer, J. Söll, and R. Bilfinger. 1,517,686; Dec. 2.
 Aminonla, Production of synthetic. S. L. Tingley. 1,517,870; Dec. 2.
 Ammunition. G. S. Fulcher. 1,517,554; Dec. 2.
 Amusement apparatus. D. H. Scott. 1,517,589; Dec. 2.
 Anatomical articulator and grinder. A. Stanley. 1,517,922; Dec. 2.
 Ankle support. W. J. McLinden. 1,517,444; Dec. 2.
 Antenna safety link. A. M. Trognier. 1,517,602; Dec. 2.
 Antiskid chain. J. W. Pigott. 1,517,749; Dec. 2.
 Antiskid device. A. J. Torzewski. 1,517,766; Dec. 2.
 Apple-grating machine. I. Z. Hertzler. 1,517,988; Dec. 2.
 Arch-flue clamp. S. J. Wilson. 1,518,038; Dec. 2.
 Arch support. E. Goodrich. 1,517,359; Dec. 2.
 Arsenical salts, Making. S. J. Lloyd and A. M. Kennedy. 1,517,516; Dec. 2.
 Assembling. M. E. Fernald. 1,517,973; Dec. 2.
 Augmenter cooler. P. A. Bancel. 1,517,488; Dec. 2.
 Automatic shut-off. O. L. Elv. 1,517,894; Dec. 2.
 Automobile buffer. J. P. Gullana. 1,517,724; Dec. 2.
 Automobile bumper. E. P. Farum. Des. 66,116; Dec. 2.
 Automobile safety device. R. E. Malecke. 1,517,998; Dec. 2.
 Automobile seat shock absorber. P. H. Spencer. 1,517,806; Dec. 2.
 Automobile visor and auxiliary shield. L. Charbonneau. 1,517,954; Dec. 2.
 Automobiles and the like, Curtain for. A. Eastman. 1,517,829; Dec. 2.
 Automobiles, Combined pedal and foot rest for. J. R. Singrey. 1,517,592; Dec. 2.
 Automobiles, Device for lifting and towing. N. Ekberg. 1,517,547; Dec. 2.
 Automobiles, Friction transmission for. C. V. Eite. 1,517,552; Dec. 2.
 Automobiles, Water-overflow and steam indicator for. W. H. Muzzy. 1,517,796; Dec. 2.
 Baby carrier. J. W. Wilhelm. 1,518,035; Dec. 2.
 Ball. W. J. McLaughlin. Des. 66,135; Dec. 2.
 Ball. D. C. O'Shea. 1,517,859; Dec. 2.
 Ball. Golf. J. Hunt. 1,517,514; Dec. 2.
 Ballast spreader. S. Deary. 1,517,409; Dec. 2.
 Barrel coupling, Subcarrier or practice. K. Weiss. 1,517,328; Dec. 2.
 Barrels, Bunchole construction for oil. W. J. Boyle and E. W. Roe. 1,517,530; Dec. 2.
 Basketry. M. E. Kurre. 1,517,645; Dec. 2.
 Bath: See—
 Galvanizing bath.

Bathing appliance, Head-supporting. H. L. Smith. 1,517,469; Dec. 2.
 Bear-supporting means. W. S. Wells. 1,517,930; Dec. 2.
 Bearing-burning-in machine. J. E. Mattson. 1,517,373; Dec. 2.
 Bearing cages, Machine for closing in roller. W. Morrison. 1,517,574; Dec. 2.
 Bearing, Roller side. A. B. Severn. 1,517,468; Dec. 2.
 Bearings, Machine for burning in. C. L. Lucas and R. W. Laubenheimer. 1,517,790; Dec. 2.
 Bed, Automobile. B. E. Crain. 1,517,619; Dec. 2.
 Bed, Maternity. F. A. N. Cucella. 1,517,960; Dec. 2.
 Beds, Tilting device for hospital. H. Ford. 1,517,418; Dec. 2.
 Beehive attachment. O. E. Philpott. 1,518,102; Dec. 2.
 Belt-fastening machine. W. S. Lake. 1,517,647; Dec. 2.
 Belt tightening and cutting device. W. S. Lake. 1,517,646; Dec. 2.
 Bib holder. J. Foerster. 1,518,057; Dec. 2.
 Bicycle, Foot. W. A. Foote. 1,517,352; Dec. 2.
 Bicycles and small vehicles, Propelling. G. Bessière. 1,517,338; Dec. 2.
 Bilge block. J. L. Crandall. 1,517,345; Dec. 2.
 Block: See—
 Bilge block.
 Radiotelephone receiver block.
 Block-forming machine. M. R. Sheen. 1,517,803; Dec. 2.
 Blood-transfusion apparatus. D. McLellan. 1,517,849; Dec. 2.
 Board: See—
 Shifting board.
 Boat. C. W. Moore. 1,518,096; Dec. 2.
 Boats from ships, Device for lowering. D. R. Ijungman and F. D. Jansson. 1,517,562; Dec. 2.
 Boiler: See—
 Steam boiler.
 Boiler and setting therefor. D. S. Jacobus. 1,517,291; Dec. 2.
 Boiler and furnace therefor, Steam. D. S. Jacobus. 1,517,629; Dec. 2.
 Bolters, Flexible connection for. L. W. Craft and J. H. Russell. 1,517,344; Dec. 2.
 Bolters, Gas burner for. E. Green. 1,517,241; Dec. 2.
 Bolt-heading machine. C. Fassinger. 1,517,971; Dec. 2.
 Bone black, Production of. W. Jones. 1,518,072; Dec. 2.
 Book, Animated. L. W. Kesler. 1,517,639; Dec. 2.
 Bookbinder. T. J. Davie. 1,517,712; Dec. 2.
 Book end. B. M. Burnett. Des. 66,109; Dec. 2.
 Book end or similar article. J. G. Belcher. Des. 66,107; Dec. 2.
 Boots and shoes, Ankle support for. F. Vallery. 1,517,603; Dec. 2.
 Boring machine, Floor-joint. R. H. Henderson. 1,517,987; Dec. 2.
 Bottle-closure remover. V. L. Sawyer. 1,517,250; Dec. 2.
 Bottle-dipping machine. J. Mortensen. 1,517,310; Dec. 2.
 Bottle-labeling machine. P. J. Purdy. 1,517,751-2; Dec. 2.
 Box: See—
 Miter box. Stuffing box.
 Packaging and display box. Toilet box.
 Box-corner fastener, Metal. A. E. Blackman. 1,517,528; Dec. 2.
 Box forming and stapling machines, Stapling mechanism for. M. J. Milmo. 1,517,374; Dec. 2.
 Box-lining machine. H. Hackett. 1,518,064; Dec. 2.
 Box making. J. J. Tyer. 1,517,521; Dec. 2.
 Box making. L. and A. Weiss. 1,517,927; Dec. 2.
 Box or receptacle, Folding. H. Drysdale. 1,517,964; Dec. 2.
 Bracket: See—
 Illuminated-number-plate Scaffold bracket.
 bracket. Shelf bracket.
 Brailder carrier. E. Koella. 1,517,840; Dec. 2.
 Brake: See—
 Sled brake. Vehicle brake.
 Brake club. H. M. Ramsay and J. A. Rickabaugh. 1,517,583; Dec. 2.
 Brake shoe. W. S. Dodson. 1,517,963; Dec. 2.
 Brakes, Apparatus for manipulating. H. E. Anderson. 1,517,692; Dec. 2.
 Brick, Machine and method for making dry-pressed rough-texture. O. C. Oehler and W. Hillebrand. 1,517,452; Dec. 2.

Brallier, A. C. Morrisson and F. Seyferth. 1,517,795; Dec. 2.
 Brooder heater. J. M. Sargeant. 1,517,757; Dec. 2.
 Brush. G. V. Brannstrom and V. J. Carlson. 1,517,492; Dec. 2.
 Brush. J. Carr. 1,517,613; Dec. 2.
 Brush. W. R. Chynoweth. 1,517,615; Dec. 2.
 Brush and casing knife, Combined wall. H. Ekman. 1,517,717; Dec. 2.
 Brush or broom. H. D. Neff. 1,517,852; Dec. 2.
 Brush, Polishing. W. E. Wuelker. 1,517,882; Dec. 2.
 Brush, Rotary tooth. W. S. Murdock. 1,517,917; Dec. 2.
 Buck anchor. T. C. Schenk and P. Gombert. 1,518,001; Dec. 2.
 Building construction. G. Martin. 1,517,244; Dec. 2.
 Building construction, Fastening means for collapsible. A. R. Ferguson. 1,517,498; Dec. 2.
 Bumper. I. Berry. 1,517,887; Dec. 2.
 Burner: See—
 Gas burner. Oil burner.
 Cabinet and table, Combination. O. J. Edwards. 1,517,415; Dec. 2.
 Cables, Apparatus for applying helically-wound insulation to. C. J. Beaver. 1,517,818; Dec. 2.
 Cake or similar product. S. H. Perky. Des. 66,172; Dec. 2.
 Calculating machine. F. A. Hart. 1,517,288; Dec. 2.
 Calculating machine. V. J. Odner. 1,517,858; Dec. 2.
 Caliper gauge. V. T. Jullin. 1,517,993; Dec. 2.
 Calling device. H. E. Elrod. 1,518,056; Dec. 2.
 Cameras, Universal mounting for aerial. S. M. Fairchild. 1,517,550; Dec. 2.
 Can: See—
 Jacketed can.
 Can-capping mechanism. A. K. Malmquist. 1,517,740; Dec. 2.
 Can ends, Method of and apparatus for compound-lining. H. L. Bryant. 1,517,340; Dec. 2.
 Can ends to can bodies, Apparatus for applying. S. N. Tevander. 1,517,472; Dec. 2.
 Can-labeling machine. A. H. Kyster. 1,518,080; Dec. 2.
 Can opener. R. Clarkson. 1,517,955; Dec. 2.
 Candlestick. L. V. Lavell. Des. 66,130-1; Dec. 2.
 Candlestick. A. S. Rowland. Des. 66,148; Dec. 2.
 Candlestick. H. Sussman and R. Schnell. Des. 66,152; Dec. 2.
 Cap. S. Kaner. 1,517,637; Dec. 2.
 Capillary containers, Apparatus for filling and closing. W. Goodchild. 1,517,780; Dec. 2.
 Car. Coaster. R. H. Wilson. 1,518,037; Dec. 2.
 Car coupler. H. M. Brown. 1,517,947; Dec. 2.
 Car door operating and locking device. L. McClain. 1,517,443; Dec. 2.
 Car dump. H. Martin. 1,517,245; Dec. 2.
 Car, Internal combustion-motor-propelled railway. J. A. Whiting. 1,518,034; Dec. 2.
 Carline. P. E. Finger. 1,517,284; Dec. 2.
 Car replacer. W. F. Jones. 1,517,632; Dec. 2.
 Car roof. R. W. Burnett. 1,517,531; Dec. 2.
 Car-wheel-jack mounting. P. E. Valentine. 1,517,769; Dec. 2.
 Carbon, Activating. F. M. Dorsey. 1,517,543; Dec. 2.
 Carbon from carbon-containing metals, Eliminating. H. Lohmann. 1,518,083; Dec. 2.
 Carburetor. R. Cozette. 1,517,666; Dec. 2.
 Cars, Fuel-feeding device for motor. F. F. Flint. 1,517,777; Dec. 2.
 Carrier: See—
 Baby carrier. Ice carrier.
 Braid carrier. X-ray-film carrier.
 Cartridge adapter and ammunition therefor. O. L. Brubaker. 1,517,702; Dec. 2.
 Cartridges, Primer for liquid-air. A. Kowatsch. 1,517,295; Dec. 2.
 Cartridges, Receptacle for blasting. A. Kowatsch. 1,517,294; Dec. 2.
 Case: See—
 Vanity case.
 Case construction, Sectional. E. G. Lehman. 1,517,299; Dec. 2.
 Casting support and bead-spreading apparatus. F. M. Case. 1,517,278; Dec. 2.
 Casting. W. R. Hartung. 1,517,675; Dec. 2.
 Casting machine. A. W. Atkins. 1,517,608-9; Dec. 2.
 Casting machine. W. H. Pashley. 1,517,579; Dec. 2.
 Chain and shackle. J. L. Crandall. 1,517,343; Dec. 2.
 Chain fastener. W. T. Brannan. 1,517,701; Dec. 2.
 Chain-link connector. L. D. Cull and H. T. Hughes. 1,517,536; Dec. 2.
 Chain, Pintle-link. D. H. Young. 1,517,482; Dec. 2.
 Channeler bits, Forming tool for. L. C. Bayles. 1,517,491; Dec. 2.
 Channeling mechanism. H. H. Mercer. 1,518,125; Dec. 2.
 Charcoal, Method of and apparatus for activating. R. C. Allen. 1,517,523; Dec. 2.
 Charging device, Remote. W. R. Fletcher. 1,517,351; Dec. 2.
 Cherry stoner. L. C. Stock. 1,517,600; Dec. 2.
 Chrome-iron member, Wear-resisting. F. M. Becket. 1,517,392; Dec. 2.
 Chute, Loading. L. A. Knopp. 1,517,435; Dec. 2.
 Clear and like cutter. A. W. Mitchell. 1,517,375; Dec. 2.
 Cigar lighter. T. White. 1,517,477; Dec. 2.
 Cigarette-filling machine. M. P. E. Hohn. 1,517,729; Dec. 2.
 Cigarette holder. C. E. Anderson. 1,517,934; Dec. 2.
 Cigarettes and similar articles, Machine for wrapping. W. E. Molins. 1,517,307; Dec. 2.
 Circuit, Substation. W. T. Powell. 1,517,382; Dec. 2.
 Clamp: See—
 Arch-flue clamp. Rail clamp.
 Cleaner: See—
 Soot cleaner. Windshield cleaner.
 Clip: See—
 Suspender clip.
 Clock case and penrack, Combined. M. Katz. Des. 66,125; Dec. 2.
 Closet: See—
 Steam closet.
 Clothes bagger. J. V. Wolsiffer. 1,517,814; Dec. 2.
 Clothesline. C. E. Ames. 1,517,933; Dec. 2.
 Clothesline-terminal grip. W. E. Menold. 1,518,093; Dec. 2.
 Clutch, Friction. P. S. Ward. 1,518,115; Dec. 2.
 Clutch, Hydraulic. A. Coats. 1,517,343; Dec. 2.
 Clutch jack. A. C. Hanson. 1,517,423; Dec. 2.
 Clutch mechanism. A. G. Ionides. 1,518,070; Dec. 2.
 Coal loaders, Tearing-down and gathering arm for. F. N. Wilson. 1,517,812; Dec. 2.
 Coat-front structure. N. Zuck. 1,518,040; Dec. 2.
 Cock, Drain. E. G. Sampson. 1,517,384; Dec. 2.
 Coffeepot holder. L. Kocjan. 1,517,436; Dec. 2.
 Coin-controlled apparatus. W. P. Dwyer and R. T. Hanley. 1,517,672; Dec. 2.
 Coin-controlled apparatus. C. Lea. 1,517,679; Dec. 2.
 Coin-delivery apparatus. E. J. Brandt. 1,517,397; Dec. 2.
 Collar fastener. H. V. Melick. 1,517,305; Dec. 2.
 Collarless, Tub or truck hoist for. F. M. Castleman. 1,517,707; Dec. 2.
 Comb: See—
 Fountain comb.
 Comb. E. L. Young. 1,517,333-4; Dec. 2.
 Combination engine, Two-stroke-cycle. A. O. L. Wennerby. 1,518,033; Dec. 2.
 Compound distributor. L. Grissom and J. H. Jones. 1,517,562; Dec. 2.
 Computing machine. F. A. Hart. 1,517,424; Dec. 2.
 Concrete-block machine. W. L. Keny. 1,517,364; Dec. 2.
 Concrete form. M. Brandeberry. 1,517,946; Dec. 2.
 Concrete walls, Form holder for. E. Watson. 1,517,879; Dec. 2.
 Condensers and the product resulting therefrom, Method of and apparatus for making molded. W. W. Ellis. 1,517,820; Dec. 2.
 Conduits, Silencing fluid in. W. W. Heroy. Re15,956; Dec. 2.
 Control system. L. J. Hubbard. 1,517,290; Dec. 2.
 Cooler: See—
 Augmenter cooler.
 Core pad. C. A. Rossbach. 1,517,863; Dec. 2.
 Cotton-pin remover. W. H. Horn. 1,518,068; Dec. 2.
 Coupling: See—
 Barrel coupling. Pipe coupling.
 Hose coupling.
 Cream separators, Strainer for. L. T. Gossman. 1,517,725; Dec. 2.
 Creams and the like to the skin, Tube for applying. J. MacDonald. 1,517,914; Dec. 2.
 Crossing signal. W. M. Mansfield. 1,517,741; Dec. 2.
 Crushing mill. A. C. Daman. 1,517,538; Dec. 2.
 Cultivator attachment. W. C. Speck. 1,517,259; Dec. 2.
 Cup: See—
 Oil cup.
 Curtain light. D. M. Winans. 1,518,039; Dec. 2.
 Cushion-stuffing machine. J. H. Nelson. 1,517,854; Dec. 2.
 Cutter: See—
 Cigar and like cutter.
 Cutting tool. F. H. Blandin. 1,517,395; Dec. 2.
 Dental bridge. D. E. Smith. 1,517,655; Dec. 2.
 Dental instrument. H. A. Truxillo. 1,518,021; Dec. 2.
 Desk attachment, School. I. A. Shreeves. 1,517,808; Dec. 2.
 Die. H. P. Arnt and T. N. Aikens. 1,517,693; Dec. 2.
 Direction indicator. C. Lake. 1,517,439; Dec. 2.
 Dirigible body from a predetermined straight course to a predetermined straight course parallel to its original course, Diverting a. A. D. Trenor. 1,517,873; Dec. 2.
 Dish. V. Arslanlan. 1,517,388; Dec. 2.
 Dish, Covered. J. J. Ridgway. Des. 66,146; Dec. 2.
 Dispensing and measuring apparatus. A. J. Sylvester. 1,517,923; Dec. 2.
 Dispensing apparatus. J. W. McCauley. 1,517,300; Dec. 2.
 Dispensing machine. T. Capparella. 1,517,952; Dec. 2.
 Distributing system. H. Pearce. 1,517,247; Dec. 2.
 Doll. H. S. Hitchcock. Des. 66,123; Dec. 2.
 Doll. M. E. Johnson. Des. 66,124; Dec. 2.
 Door for cases and cabinets. F. W. Tobey. 1,517,267; Dec. 2.
 Draft rigging. B. W. Kadel and P. R. Drenning. 1,517,635; Dec. 2.
 Drainage system. J. H. Steen. 1,518,014; Dec. 2.
 Drill: See—
 Subaqueous drill.

Drill pipe, Rotary. H. G. Jahraus. 1,517,428; Dec. 2.
 Drill-stem sections, Coupling for rotary. S. Sorensen and C. E. Reed. 1,517,761; Dec. 2.
 Drilling apparatus. L. H. Wellensiek. 1,517,880; Dec. 2.
 Drilling holes, Apparatus for. H. H. Mercer. 1,518,124; Dec. 2.
 Drilling machines or the like, Change-speed mechanism for. J. E. Mangen. 1,518,089; Dec. 2.
 Drills, Producing hollow billets for hollow. F. F. Gordon. 1,517,781; Dec. 2.
 Drying apparatus. J. Farnsey. 1,517,897; Dec. 2.
 Drying apparatus. J. B. Welch. 1,517,928; Dec. 2.
 Drying solid combustible material. T. Rigby. 1,517,755; Dec. 2.
 Dyeing. P. Rabe. 1,517,581; Dec. 2.
 Dyestuffs of the anthraquinone series, Manufacture of. A. G. Dandridge and J. Thomas. 1,518,051; Dec. 2.
 Dynamo. L. B. Ehrlich. 1,517,281; Dec. 2.
 Egg grader. F. A. Matteson. 1,517,743; Dec. 2.
 Electric conduits, Automatic interrupter for. G. Blüschberger. 1,517,532; Dec. 2.
 Electric contact device working with a liquid, especially mercury. K. Kaiser. 1,517,636; Dec. 2.
 Electric furnace. T. B. Bechtel. 1,517,938; Dec. 2.
 Electric heater. W. W. Hicks. 1,518,067; Dec. 2.
 Electric installation, Push-type flush receptacle for. A. C. Recker. 1,517,684; Dec. 2.
 Electric-light bulb, Theftproof. W. M. Reece and C. E. Tomlinson. 1,517,584; Dec. 2.
 Electric-lighting fixture. M. Herskovitz. 1,517,626; Dec. 2.
 Electric relay. B. Rosenbaum. 1,517,249; Dec. 2.
 Electric switch. C. E. Avery. 1,518,041; Dec. 2.
 Electric switch. L. Kellner. 1,517,638; Dec. 2.
 Electric switch. R. K. Mason. 1,517,567; Dec. 2.
 Electric tracer. J. C. Shaw. 1,518,114; Dec. 2.
 Electrical apparatus. F. E. Starr. 1,518,013; Dec. 2.
 Electrical fixture. W. U. Forscher. 1,517,353; Dec. 2.
 Electrode, welding rod, and soldering stick. E. H. Jones. 1,517,292; Dec. 2.
 Electrodes and the product thereof, Producing carbon. H. Beer. 1,517,819; Dec. 2.
 Electrodynamical oscillators, Exciting means for. H. P. Lawther, Jr. 1,518,123; Dec. 2.
 Electrolyte. H. H. Williams. 1,517,660; Dec. 2.
 Electromagnet. O. C. Traver. 1,518,020; Dec. 2.
 Electromagnet. A. A. Ziegler. 1,517,770; Dec. 2.
 Electroplating, Anode for use in. G. Jones. 1,517,630-1; Dec. 2.
 Electroplating metal, Plant for. F. Kirschner. 1,517,910; Dec. 2.
 Elevator drive. B. C. Van Emon. 1,517,874; Dec. 2.
 Elevator safety device. R. C. Baker. 1,517,936; Dec. 2.
 Enamel composition. H. S. Cooper. 1,517,618; Dec. 2.
 Engine: See—
 Combustion engine. Rock-drilling engine.
 Internal-combustion engine.
 Engines, Apparatus for cooling the oil for internal-combustion. W. Eberle. 1,517,673; Dec. 2.
 Engines, Attachment for beating. J. L. Harris. 1,517,783; Dec. 2.
 Engines, Carbon eliminator and fuel saver for internal-combustion. A. F. Watkins. 1,517,326; Dec. 2.
 Engines, Device for indicating quantity of fuel consumed by internal-combustion. C. W. Hough. 1,517,905; Dec. 2.
 Engines, Liquid-fuel delivery system for internal-combustion. C. Hammond. 1,518,066; Dec. 2.
 Engines, Starting apparatus for internal combustion. N. A. Christensen. 1,517,533; Dec. 2.
 Envelope opener. R. Glasser. 1,517,625; Dec. 2.
 Envelope, Safety. G. Hlyberg. 1,517,943; Dec. 2.
 Expandable filler form, Bridging. R. W. Sexton. 1,517,867; Dec. 2.
 Expansion arbor. A. C. Van Sluys. 1,518,026; Dec. 2.
 Extensible pipe. F. Zins. 1,517,335; Dec. 2.
 Fabric, Plie. J. Gowans. Des. 66,119; Dec. 2.
 Fabric-roll-end protector. J. W. Bellairs. 1,517,940; Dec. 2.
 Fabrics for removing sizing or gum therefrom, Treating. M. E. Bouvier. 1,517,888; Dec. 2.
 Fabrics, Treatment of union or mixed. R. Clavel. 1,517,709; Dec. 2.
 Fan or blower, Centrifugal. L. Weiss and E. Mandler. 1,517,329; Dec. 2.
 Fastener. W. Czarski. 1,517,407; Dec. 2.
 Fastener. J. F. Langenau and R. M. Yemliker. 1,517,995; Dec. 2.
 Fat-extracting apparatus. B. C. Stell and J. M. Spring. 1,517,763; Dec. 2.
 Faucet. O. L. Compton. 1,517,956; Dec. 2.
 Faucet, Mixing. A. F. Moneuse. 1,517,744; Dec. 2.
 Feeder, Animal and poultry. M. M. Holmes. 1,517,838; Dec. 2.
 Felt guide. H. Parker and C. W. Sleeper. 1,517,747; Dec. 2.
 Fermenting industry, Treating substances used in. E. Moufang. 1,517,650; Dec. 2.
 Fertilizer by opening up phosphates with nitric acid, Manufacture of. G. A. Voerkelins. 1,517,687; Dec. 2.
 Fibrous materials, Stiffening agent for. C. E. Swett. 1,517,520; Dec. 2.
 File holder. I. Dempsey. 1,517,540; Dec. 2.
 Filling and indexing equipment. J. T. Quigley. 1,518,105; Dec. 2.
 Finder. F. A. Wenman. 1,518,032; Dec. 2.
 Firearm. F. K. Young. 1,517,483; Dec. 2.
 Firearms, Ring sight for. R. Kauch and C. L. Paulus. 1,517,363; Dec. 2.
 Fishhook. J. de Paye. 1,518,052; Dec. 2.
 Fishing lines, Drying and winding device for. F. R. Fish. 1,517,720; Dec. 2.
 Flongs, Handling. P. A. Kagel. 1,517,735; Dec. 2.
 Floor wrecker. C. A. Shook. 1,517,591; Dec. 2.
 Flue blower. A. S. Dillon. 1,517,348; Dec. 2.
 Fluids, Apparatus for the subdivision and treatment of. E. L. Pease. 1,517,313; Dec. 2.
 Flying machine, Land and water. E. J. Dunham. 1,517,546; Dec. 2.
 Flying machines, Landing gear for. T. M. Finley and A. W. Brown. 1,517,416; Dec. 2.
 Folder bars, Controlling device for. S. L. Chuett. 1,517,493; Dec. 2.
 Folding table. M. Serfaustini. 1,518,005; Dec. 2.
 Food product and making same. S. H. Perky. 1,517,453; Dec. 2.
 Foundry wash and manufacturing the same. E. D. Frohman. 1,517,778; Dec. 2.
 Fountain: See—
 Fountain fountain.
 Fountain comb. C. Balko. 1,517,696; Dec. 2.
 Frame: See—
 Saw frame.
 Fruit crusher and flour sifter, Combination. A. G. Girard and E. R. Moeller. 1,517,624; Dec. 2.
 Fruit juices from pulp, Device for separating. F. W. Brown. 1,517,339; Dec. 2.
 Fruit, Marking. F. J. Sévigné. 1,518,006; Dec. 2.
 Fruit-picking device. D. E. Richardson. 1,517,753; Dec. 2.
 Fruits, Device for puncturing cells of citrous. O. S. Wibbe. 1,517,931; Dec. 2.
 Fuel, Carbonaceous. G. Egloff and H. P. Bender. 1,517,830; Dec. 2.
 Fuel furnace, Wet. F. Seyboth. 1,517,319; Dec. 2.
 Furnace: See—
 Electric furnace. Rapid-reaction furnace.
 Fuel furnace.
 Furnaces, converters, and the like, Lining. E. Bong. 1,517,820; Dec. 2.
 Furnaces of gas retorts and the like, Apparatus for charging. R. E. Gibson and H. Nicoll. 1,517,977; Dec. 2.
 Furniture article. W. J. Gray. 1,517,674; Dec. 2.
 Fuse. A. Grievé. 1,517,981; Dec. 2.
 Fuse. S. Wiley. 1,517,810; Dec. 2.
 Fuse holder. A. W. Snedden. 1,517,385; Dec. 2.
 Fuse plug. E. G. Larson. 1,517,367; Dec. 2.
 Fuses, Process and machine for making. F. Wasmayr. 1,517,878; Dec. 2.
 Galvanizing bath. N. K. Turnbull. 1,517,324; Dec. 2.
 Game. H. A. Kelly. 1,517,433; Dec. 2.
 Game. A. L. Platt. 1,517,454; Dec. 2.
 Game, Educational. F. F. Llera and E. G. Capo. 1,517,847; Dec. 2.
 Game, Indoor baseball. B. Waller. 1,518,030; Dec. 2.
 Garment fastening. J. Giardino. 1,517,723; Dec. 2.
 Garter. S. Byer. 1,517,703; Dec. 2.
 Gas-analyzing apparatus. A. S. Lomshakoff. 1,517,442; Dec. 2.
 Gas burner. J. A. Bengtson. 1,517,394; Dec. 2.
 Gate. T. J. Burton. 1,517,400; Dec. 2.
 Gate. E. Stinebaker. 1,518,015; Dec. 2.
 Gate-operating means. J. B. Rodgers. 1,517,316; Dec. 2.
 Gauge: See—
 Calliper gauge. Tire-stem pressure gauge.
 Pressure gauge. Wall gauge.
 Tire-pressure gauge.
 Gauntlet. F. P. Stell. 1,517,807; Dec. 2.
 Gear, Friction-wheel differential. A. F. Gerdes. 1,517,722; Dec. 2.
 Gear mechanism, Drive. L. H. Keim. 1,517,293; Dec. 2.
 Gearing, Change-speed. J. H. Hand. 1,517,836; Dec. 2.
 Gearing, Resilient mounting suitable for toothed-wheel transmission. C. A. Parsons and S. S. Cook. 1,517,748; Dec. 2.
 Gearing, Toothed. C. H. Rankin. 1,518,109; Dec. 2.
 Gearing, Windmill. J. F. Struble. 1,518,016; Dec. 2.
 Gears, Machine for planing. J. R. George. 1,518,060; Dec. 2.
 Geyser, kettle, water heater, and other like receptacle. M. Tocchio. 1,517,925; Dec. 2.
 Glass dimmer. J. B. Priesthoff. 1,517,455; Dec. 2.
 Glass casket. C. N. Johnson. 1,517,908; Dec. 2.
 Glasses, Coin-controlled. C. R. Johnson. 1,517,731; Dec. 2.
 Golf, Device for use in practicing strokes in the game of. S. F. Ely. 1,517,895; Dec. 2.
 Golf putter. R. G. Tyler. 1,517,476; Dec. 2.
 Golf, Stance indicator for. L. V. Graham. 1,517,555; Dec. 2.
 Governors, Foot-control valve for hydraulic. L. T. Harlan. 1,517,361; Dec. 2.
 Grading machine. E. M. Cole. 1,517,772; Dec. 2.
 Grain drying and cooling apparatus. P. Little, jr. 1,517,788; Dec. 2.

Granular material, Apparatus for classifying. M. Hokanson. 1,517,509; Dec. 2.
Grate, Traveling. H. B. Holt. 1,517,427; Dec. 2.
Groundworking implement. J. R. Means. 1,517,572; Dec. 2.
Guns, Apparatus for loading and ramming projectiles in. E. Schneider. 1,517,758; Dec. 2.
Hairpins or similar articles, Machine for forming. S. H. Goldberg. 1,517,834; Dec. 2.
Hammer, Electric. E. C. and E. Polidori. 1,518,104; Dec. 2.
Handcuff holder. F. C. Sasaki. 1,517,588; Dec. 2.
Handle: See—
Switching handle. Tool handle.
Harrow, Disk. F. C. Warne. 1,517,659; Dec. 2.
Harrow scraper. F. T. Grisham. 1,517,983; Dec. 2.
Harvester, Beet. W. Hartenstein. 1,517,559; Dec. 2.
Harvester, Sugar-beet. F. W. Kraft. 1,517,642; Dec. 2.
Hat-brushing machine. F. W. Pitzer. 1,517,651; Dec. 2.
Hatching device. A. R. Ballock. 1,517,950; Dec. 2.
Head covering. H. C. Chocksee. 1,518,049; Dec. 2.
Head guard. A. J. Austin. 1,517,886; Dec. 2.
Headlight. F. Bedford. 1,517,393; Dec. 2.
Headlight. M. J. Davis. 1,517,539; Dec. 2.
Headlight. M. R. Smith. 1,518,012; Dec. 2.
Headlight, Adjustable auto. J. A. Kimball. 1,517,640; Dec. 2.
Headlight glare shield. W. G. Ruscoe. 1,518,112; Dec. 2.
Headlight reflector. O. Templin. 1,517,322; Dec. 2.
Headlights, Glareshield for. P. L. Wilson. 1,517,661; Dec. 2.
Heater: See—
Air heater. Reflecting heater.
Brooder heater. Vehicle heater.
Electric heater. Window-pane heater.
Liquid heater.
Heater. A. J. Kluever. 1,517,434; Dec. 2.
Heater. C. F. Loker. 1,517,738; Dec. 2.
Heater. J. E. McMinn. Des. 66,136-9; Dec. 2.
Heater. H. M. Sheer. 1,518,007; Dec. 2.
Heaters, Draft pipe for. J. W. Jones. 1,517,734; Dec. 2.
Heaters, Thermostatic gas-control device for water. J. H. Ballantine. 1,517,389; Dec. 2.
Heating apparatus. R. Faure. 1,517,622; Dec. 2.
Heating apparatus. A. M. Mertzmann. 1,517,518; Dec. 2.
Heating system. F. R. Still. 1,517,764; Dec. 2.
Hinge. J. J. McIntyre. 1,517,792; Dec. 2.
Hobs, Method and apparatus for making. O. G. Simmons. 1,517,921; Dec. 2.
Hog trap. R. V. Momyer. 1,517,573; Dec. 2.
Holder. F. Kayte. 1,517,432; Dec. 2.
Holder. W. H. Lovelace. 1,518,084; Dec. 2.
Holder. J. E. Megan. 1,518,092; Dec. 2.
Honeycomb rack. A. V. Kouba. 1,518,077; Dec. 2.
Hook: See—
Fishhook.
Hose coupling. J. R. Lowrey. 1,517,242; Dec. 2.
Hose-pipe connection, Automatic. W. Fraser. 1,517,553; Dec. 2.
Ice carrier. R. E. Griffiths and W. G. Smith. 1,517,982; Dec. 2.
Ignition machines, Distributor for the high-voltage current of magneto-electric. J. Schneider. P. Hilton and E. Hurlmann. 1,518,092; Dec. 2.
Illuminated indicator. G. H. McLaren. 1,518,086; Dec. 2.
Illuminated-number plate bracket. T. Kirwin. 1,517,736; Dec. 2.
Indicator: See—
Direction indicator. Steering-gear indicator.
Illuminated indicator. Tourist's travel indicator.
Price indicator. Vehicle direction indicator.
Inking-roller truck. H. G. La Sor. 1,517,438; Dec. 2.
Insole. F. H. Rosier. 1,517,861; Dec. 2.
Internal-combustion engine. F. L. Martineau. 1,517,372; Dec. 2.
Jack: See—
Clutch jack.
Jacketed can. B. J. Giese. 1,517,978; Dec. 2.
Jewelry, Composition for cleaning. J. G. Hehman. 1,517,837; Dec. 2.
Joint: See—
Pivoted joint. Rail joint.
Juice-liming apparatus. C. J. Flemer. 1,517,499; Dec. 2.
Kettle scraper. D. Stumey. 1,517,762; Dec. 2.
Kiln. Tunnel. T. Larsson. 1,517,437; Dec. 2.
Kitchen cabinets, Bin mounting for. J. Azamber. 1,517,935; Dec. 2.
Knitting machine. C. G. Baner. 1,517,698; Dec. 2.
Knitting machines, Spring-actuated stop motion for. W. Barrett. 1,517,991; Dec. 2.
Knitting machines, Take-up mechanism for. K. Howle. 1,517,992; Dec. 2.
Labeling machine. E. Ermold. 1,517,621; Dec. 2.
Lacing tip. F. E. Burlingame. 1,517,342; Dec. 2.
Lamp. G. E. Villaret. Des. 66,167-8; Dec. 2.
Lamp, Gaseous-conduction. O. Schaller and F. Schröter. 1,517,466; Dec. 2.
Lamp, Glass face for a tail. R. R. Root. Des. 66,147; Dec. 2.
Lamp holder. J. Hughes. 1,518,069; Dec. 2.
Lamp sockets, Making. G. Arras and D. E. Worrell. 1,517,524; Dec. 2.

Lapping machine. W. F. Bokum and J. H. Senior. 1,517,945; Dec. 2.
Lathe attachment. C. J. Petoskev. 1,517,580; Dec. 2.
Lasting machine. F. N. La Chapelle. 1,517,297; Dec. 2.
Lawn sprinkler, Extension. C. E. Bergquist. 1,517,604; Dec. 2.
Leather substitute and making the same. K. R. Douglass. 1,517,892; Dec. 2.
License-plate holder. E. L. Rottman. 1,517,383; Dec. 2.
Lifeboat. M. F. Mayer. 1,517,571; Dec. 2.
Life-saving apparatus. H. Morley. 1,517,745; Dec. 2.
Lifter: See—
Pie-plate lifter.
Light: See—
Curtain light.
Light and slow and stop signal, Combined tail. L. S. Harr. Des. 66,122; Dec. 2.
Light fixture. R. Stover. Des. 66,151; Dec. 2.
Light reflectors, Insulated support for. E. Kleinman. 1,518,076; Dec. 2.
Lighting and ignition switch. E. N. Jacobl. 1,517,907; Dec. 2.
Lighting fixture. H. S. Whiting. Des. 66,171; Dec. 2.
Lighting-fixture arm. W. B. Goddard. Des. 66,118; Dec. 2.
Lighting-fixture bobesche. G. E. McFadden. Des. 66,131; Dec. 2.
Lighting-fixture bracket. A. R. Krause. Des. 66,128; Dec. 2.
Lighting-fixture canopy. A. R. Krause. Des. 66,126; Dec. 2.
Lighting fixture, Ceiling. A. R. Krause. Des. 66,129; Dec. 2.
Lighting fixture husk. G. E. McFadden. Des. 66,133; Dec. 2.
Lighting fixture plate. A. R. Krause. Des. 66,127; Dec. 2.
Lighting fixtures, Cast arm for. F. S. Crowell. Des. 66,112; Dec. 2.
Lighting fixtures, Cast plate for. F. S. Crowell. Des. 66,110-11; Dec. 2.
Lighting fixtures, Cast plate for. F. S. Crowell. Des. 66,113; Dec. 2.
Lighting-fixture unit. F. A. Ererichs. Des. 66,117; Dec. 2.
Line-sulphur compounds, Producing. W. H. Volck. 1,517,522; Dec. 2.
Line-finder switch. A. D. Thomas. 1,517,266; Dec. 2.
Liquid containers, Integral spout and air vent for. C. M. Kruger. 1,517,644; Dec. 2.
Liquid-distributing composition. W. N. Bascom. 1,518,044; Dec. 2.
Liquid heater. H. F. McMichael and J. H. Lee. 1,517,391; Dec. 2.
Liquids, Preventing remixing of separated. H. O. Lindgren. 1,517,441; Dec. 2.
Lithographic rotary machine, Direct and offset. A. B. Evans and R. P. Payne. 1,517,969; Dec. 2.
Lock: See—
Pedal lock. Switch-lever lock.
Revolver-cylinder lock.
Lock. J. B. Freysinger. 1,517,976; Dec. 2.
Lock. N. B. Hard. 1,517,906; Dec. 2.
Lock. E. L. Teleh. 1,517,924; Dec. 2.
Lock-controlling mechanism for sectional boxes. H. Wilhelm. 1,517,270; Dec. 2.
Locked fastening. W. C. Ross. 1,518,119; Dec. 2.
Locker. W. N. Vance. 1,517,629; Dec. 2.
Locking means. O. H. Merz. 1,517,447; Dec. 2.
Locomotive. W. E. Woodard. 1,517,881; Dec. 2.
Locomotive starter. C. F. Street. 1,517,261; Dec. 2.
Locomotives, Auxiliary starting engine for. C. F. Street. 1,517,262-3; Dec. 2.
Loom. J. Northrop. 1,517,856; Dec. 2.
Loom for weaving pile fabrics. E. H. Ryon. 1,517,461; Dec. 2.
Loom picker. E. H. Daudelin. 1,517,668; Dec. 2.
Loom picker. J. Towers. 1,517,708; Dec. 2.
Looms, Bobbin-smash preventer for. E. A. Cunliff. 1,517,347; Dec. 2.
Looms, Let-back mechanism for. F. J. Norris. 1,518,118; Dec. 2.
Looms, Sweep-stick supporting fixture for. L. M. Reed. 1,517,314; Dec. 2.
Looms, Warp let-off for narrow-ware. E. R. Holmes and A. S. Hutchins. 1,517,510; Dec. 2.
Looms, Weft-replenishing mechanism for. J. E. Hume. 1,517,513; Dec. 2.
Looms, Weft stop motion for. W. S. Wells. 1,517,929; Dec. 2.
Lubricant. Z. Olsson. 1,517,577; Dec. 2.
Lubricant and friction testing machine. R. M. Deeley. 1,517,410; Dec. 2.
Magneto. P. Brown and I. E. Hendrickson. 1,517,948; Dec. 2.
Magneto. T. G. Louis. 1,517,997; Dec. 2.
Magnets, Control of electric lifting. W. Brooke and H. E. Bowen. 1,517,276; Dec. 2.
Mail-bag fastener. W. L. Murphy. 1,517,449; Dec. 2.
Manganese steel, Heat treatment of. W. G. Nichols. 1,517,451; Dec. 2.
Manhole construction. A. M. Thompson. 1,517,871; Dec. 2.
Manifold, Exhaust. H. Junkers. 1,517,634; Dec. 2.

Match safe. H. von Blefeld. 1,517,876; Dec. 2.
Mats, Making and installing revetment. E. M. Markham. 1,517,565; Dec. 2.
Mattress. J. E. Cleveland. 1,517,617; Dec. 2.
Measuring and loading construction, Overhead. C. S. Johnson. 1,517,430; Dec. 2.
Meat, Producing powdered. J. C. and J. M. MacLachlan. 1,517,445; Dec. 2.
Metal-working machine. F. S. Jones. 1,517,431; Dec. 2.
Metallic values from slag, Recovery of. H. V. Welch. 1,517,689; Dec. 2.
Metals and alloys in resistance to repeated stress, Improving. H. W. Gillett. 1,517,354; Dec. 2.
Mill: See—
Crushing mill.
Mills, Loper for rolling. C. L. Turley. 1,517,475; Dec. 2.
Miter box. G. W. Cary. 1,517,706; Dec. 2.
Mold: See—
Socket-making mold.
Mold. G. L. Mather. 1,517,850; Dec. 2.
Mold. C. V. Plerson. 1,517,918; Dec. 2.
Moldable compound. F. J. Groten, Jr. 1,517,360; Dec. 2.
Molding machine, Automatic counter. A. E. Ayer. 1,517,337; Dec. 2.
Molding machine, Automatic counter. A. E. Ayer. 1,517,695; Dec. 2.
Molding machine, Building-blocks. G. C. Deboy. 1,517,713; Dec. 2.
Molding machine for foundry use. J. B. Neesham. 1,517,797-8; Dec. 2.
Motor: See—
Ventilated motor. Wave motor.
Motor cascade, Regulating the speed of an electric. W. Seiz. 1,517,866; Dec. 2.
Motor head. E. Abrego. 1,517,326; Dec. 2.
Muffle leer. A. C. Crummet. 1,517,890; Dec. 2.
Musical instrument, Automatic. H. J. Anderson. 1,517,884; Dec. 2.
Nail cleaning and polishing set, Shopper's. E. S. Tipton. 1,517,809; Dec. 2.
Nasal and laryngeal snare. E. Langheim. 1,517,787; Dec. 2.
Necktie hanger and support therefor. J. F. Dzurak. 1,518,054; Dec. 2.
Nonskid chain. A. Van Ronzenen. 1,517,875; Dec. 2.
Nonskid-chain link. S. M. Craddock. 1,517,495; Dec. 2.
Numbering system. H. M. Feldner. 1,517,718; Dec. 2.
Oil burner. P. Carter. 1,517,414; Dec. 2.
Oil burner. F. Krone, H. J. Allen, M. Lee, and J. L. Garlough. 1,517,643; Dec. 2.
Oil burner, Crude. J. E. Dece and J. T. Whitlock. 1,517,496; Dec. 2.
Oil cup. L. C. Duro. 1,518,055; Dec. 2.
Ophthalmic mounting. W. S. Searles. 1,517,685; Dec. 2.
Optical apparatus for use in the hand reproduction of drawings, photographs, and other illustrations or designs. V. G. Reilly. 1,518,111; Dec. 2.
Ores, Production of iron and steel by treating directly gangue-free. G. Constant and A. Bruzac. 1,517,402; Dec. 2.
Oven, Sectional bake. J. C. Woodson. 1,517,271; Dec. 2.
Ovens, Tray-locking means for reel-type. J. C. Woodson. 1,517,272; Dec. 2.
Oxidation of nitrogen, Electrode for (L. E. B. F. Halverson. 1,517,727; Dec. 2.
Packaging and display box. F. L. Daggett. 1,517,537; Dec. 2.
Packaging articles, Machine for. I. Lazaga. 1,518,081; Dec. 2.
Packing case or crate for clocks. R. J. Leighton. 1,517,912; Dec. 2.
Packing, Drill-rod. C. C. Hansen. 1,517,501; Dec. 2.
Packing ring, Piston. H. H. Lipsey. 1,517,561; Dec. 2.
Pad: See—
Core pad.
Paper articles, Method and apparatus for forming. L. B. Ross. 1,517,862; Dec. 2.
Paper-coating material and process of making. W. J. Lawrence. 1,517,996; Dec. 2.
Paper machines and the like, Suction box for. M. Wenzel. 1,518,116; Dec. 2.
Paper-pulp-digester strainer. C. Jentz. 1,517,839; Dec. 2.
Paper-ruling machine. J. Lotz. 1,517,739; Dec. 2.
Paper, Sheet of wrapping. S. E. Loveless. Des. 66,132; Dec. 2.
Paper-tape product and making the same. H. A. Twiss. 1,518,122; Dec. 2.
Paper, Wall. A. C. Dodman, Jr. Des. 66,115; Dec. 2.
Paving roller. F. E. Greene. 1,517,501; Dec. 2.
Pedal lock. W. J. Biffert. 1,517,699; Dec. 2.
Pedicyle support. J. Strunze. 1,517,898; Dec. 2.
Pen casing and cap therefor, Fountain. W. P. De Witt. 1,517,411; Dec. 2.
Penell. E. S. Shimer. 1,518,008; Dec. 2.
Petroleum oil to make gasoline and useful products of oxidation, Cracking and oxidizing. C. Ellis. 1,517,968; Dec. 2.
Photograph-record-cleaning attachments, Wiper for. J. Runk. 1,517,864; Dec. 2.
Photograph step. J. Brandstetter. 1,517,822; Dec. 2.
Phosphorus, etc., Manufacture of. R. C. Tolman. 1,518,019; Dec. 2.

Photographic enlarging lantern and printing machine, Combined. J. C. Martin. 1,517,742; Dec. 2.
Photographic-printing apparatus. J. C. Deane. 1,517,669; Dec. 2.
Photographs, Automatic setting device for. S. J. Abt. 1,517,690; Dec. 2.
Photography, Aerial. A. H. Boettcher. 1,517,529; Dec. 2.
Piano keys, Machine for inserting weights in. S. Sylvester. 1,517,601; Dec. 2.
Picker: See—
Loom picker.
Picker-stick attachment. W. Scholz. 1,517,256; Dec. 2.
Picker-stick check. A. Beauchemin. 1,518,117; Dec. 2.
Picture frame. M. Ostrowiecki. Des. 66,143; Dec. 2.
Picture take-up apparatus, Motion. J. Doherty. 1,517,542; Dec. 2.
Pile-cutting machine. G. Roger and G. Roger, Jr. 1,517,999; Dec. 2.
Pie-plate lifter. P. J. Finlan. 1,517,974; Dec. 2.
Pipe: See—
Drill pipe. Tobacco pipe.
Extensible pipe.
Pipe wrench. R. W. McMullen. 1,518,087; Dec. 2.
Pipe corrugating and bending machine. C. J. Holub. 1,517,678; Dec. 2.
Pipe coupling. J. Elder. 1,517,893; Dec. 2.
Piston bearing for internal-combustion engines. J. O. Almen. 1,517,386; Dec. 2.
Piston, High-pressure. T. B. Slate. 1,517,593; Dec. 2.
Piston, Internal-combustion motor. D. Caughey. 1,518,048; Dec. 2.
Piston, Pump. L. J. Barwood. 1,517,489; Dec. 2.
Piston-ring contractor. E. J. Fraser. 1,517,419; Dec. 2.
Pivoted joint. J. T. Brockhouse. 1,517,612; Dec. 2.
Plane, Hand. G. Stedinger. 1,517,656; Dec. 2.
Planter. H. De Geus. 1,517,715; Dec. 2.
Plate or similar article. G. Pitcairn. Des. 66,145; Dec. 2.
Plow. H. O. Wilkinson. 1,518,036; Dec. 2.
Plows, Side-draft-reducing hitch for. D. H. Cleem. 1,517,710; Dec. 2.
Plug, Attachment. H. Catlin. 1,517,953; Dec. 2.
Plug cluster. A. P. Leinen. 1,517,680; Dec. 2.
Pneumatic flotation cell. G. R. Simpson. 1,518,010; Dec. 2.
Pneumatic separator. H. H. Waterman. 1,518,031; Dec. 2.
Pneumatic transmission systems, Delivery terminal for. W. H. Dinspel. 1,517,671; Dec. 2.
Portiere. J. R. Newton. Des. 66,142; Dec. 2.
Poultry fountain. C. H. Thompson. 1,518,018; Dec. 2.
Powder discharger. J. F. Crafton. 1,517,405; Dec. 2.
Power transmission. A. F. Klasing. 1,517,737; Dec. 2.
Power-transmission device. J. Stillians. 1,517,519; Dec. 2.
Power-transmitting arrangement. F. O. Albertson. 1,517,240; Dec. 2.
Power-transmitting mechanism. G. Shmitt. 1,518,009; Dec. 2.
Press: See—
Seal press.
Press. F. C. Emrick. 1,517,282; Dec. 2.
Press-button switch. H. Sachs. 1,517,920; Dec. 2.
Pressure gauge. F. H. Haskell. 1,517,985; Dec. 2.
Price indicator. H. R. Gottfried. 1,518,063; Dec. 2.
Printer-ribbon-control mechanism. C. D. Lake. 1,517,843; Dec. 2.
Printing. E. A. Kunz. 1,517,296; Dec. 2.
Printing mechanisms, Paper feeding and controlling device for. A. H. Pitney and J. W. Ogden. 1,517,248; Dec. 2.
Prop. W. C. Limbach. 1,518,082; Dec. 2.
Pulverizing machine. S. K. Lowe. 1,517,564; Dec. 2.
Pump. S. S. Brown. 1,517,824; Dec. 2.
Pump. H. A. Robinson. 1,517,461; Dec. 2.
Pump and sprayer bottle, Piston. M. Aftergut. 1,517,932; Dec. 2.
Pump attachment, Oil-well. R. D. Walker. 1,518,028; Dec. 2.
Pump, Automatic tire. B. L. Harper. 1,517,782; Dec. 2.
Pump, Dispensing and measuring. C. Spaeth. 1,517,805; Dec. 2.
Pump for liquids at high temperatures. S. O. A. Fiedler. 1,517,898; Dec. 2.
Pump, Pneumatic. W. G. Smythe. 1,517,594; Dec. 2.
Pumping system. I. Chase. 1,517,665; Dec. 2.
Pumps, Regulator for air-lift. L. C. Bayles and H. T. Abrams. 1,517,490; Dec. 2.
Punching and eyelet-setting machine, Hole. B. Hall. 1,518,065; Dec. 2.
Rack: See—
Honeycomb rack.
Radiator, Centrifugal draft. S. W. Rushmore. 1,517,919; Dec. 2.
Radio-communication, System of. J. O. Mauborgne and G. H. H. 1,517,568-70; Dec. 2.
Radiocondenser. R. E. Marbury. 1,517,370; Dec. 2.
Radiotelephone receiver block. W. G. Conger. 1,518,050; Dec. 2.
Radio transmitting system. E. F. W. Alexanderson. 1,517,816; Dec. 2.
Rail clamp, Guard. E. C. Zimmerman. 1,517,663; Dec. 2.
Rail coupler. L. M. Sartain. 1,518,113; Dec. 2.
Rail joint. W. G. Wilson. 1,517,480; Dec. 2.

Rails of a railway track, Composite railway cross-tie or sleeper for supporting the. H. Miller. 1,517,793; Dec. 2.

Railway-crossing signal, Automatic. D. H. Hillard. 1,517,784; Dec. 2.

Railway-gate mechanism, Electrically-operated. J. Malmberg and O. E. Nelson. 1,517,446; Dec. 2.

Railway signal system. L. Espenschied. 1,517,549; Dec. 2.

Range, Cooking. H. G. Stute and B. H. Walther. 1,518,017; Dec. 2.

Rapid-reaction furnace. O. L. Barnebey. 1,517,526; Dec. 2.

Recording mechanism. F. W. Quarles. 1,517,652; Dec. 2.

Reflecting heater. M. H. Shoenberg. 1,517,739; Dec. 2.

Reflector. J. O. Hellmuth. 1,517,362; Dec. 2.

Reflector. G. Lovell. 1,517,563; Dec. 2.

Refrigerating apparatus. S. F. Borkey. 1,517,700; Dec. 2.

Refrigerating apparatus. L. G. Copeman. 1,517,534; Dec. 2.

Refrigerating machine. J. E. Mitchell and W. G. E. Roloff. 1,517,376; Dec. 2.

Refrigeration, Method of and apparatus for. H. L. Doherty. 1,518,053; Dec. 2.

Regulator. See—
Window regulator.

Relay system. L. N. Crichton. 1,517,280; Dec. 2.

Revolver-cylinder lock. U. Vosmek. 1,518,027; Dec. 2.

Rifle. L. Fritz. 1,517,420; Dec. 2.

Rim. J. W. Courtney. 1,517,403; Dec. 2.

Rim, Dismountable. A. W. Bumstead. 1,518,047; Dec. 2.

Rim tool. J. W. Courtney. 1,517,404; Dec. 2.

Ring. See—
Packing ring.

Ring and slip. H. G. Greathouse. 1,517,979; Dec. 2.

Rivet-setting machine. E. B. Stimpson. 1,517,471; Dec. 2.

Road grader. H. K. Clemens. 1,517,711; Dec. 2.

Rock-drill mounting. G. M. Nell. 1,517,312; Dec. 2.

Rock-drilling engine. C. A. Hulquist. 1,517,512; Dec. 2.

Rock drills, Air-feed lock for. F. M. Slater. 1,517,470; Dec. 2.

Roofing machine. C. E. Rahr. 1,517,582; Dec. 2.

Roofing material. H. A. Cumfer and O. D. McFarland. 1,517,826; Dec. 2.

Roofing product and making same. C. E. Rahr and R. T. Pollock. 1,517,860; Dec. 2.

Roofing, Securing flexible tile. J. F. Bobbitt. 1,517,944; Dec. 2.

Rubber, Coating fabric with. E. C. Wiese. 1,517,606; Dec. 2.

Rubber heel. W. Kaplan. 1,518,073; Dec. 2.

Rubber, Producing cellular. K. H. Fulton. 1,515,957; Dec. 2.

Rubber shoe and making same. W. E. Glancy. 1,518,062; Dec. 2.

Saw frame, Hack. J. De Grado. 1,517,827; Dec. 2.

Sawmill-carriage knee. J. S. Reid. 1,518,110; Dec. 2.

Saxophones, Fingering mechanism of. R. M. Hickman. 1,517,989; Dec. 2.

Scarf bracket. S. F. Jensvold. 1,517,429; Dec. 2.

Scarf, Window. G. W. Richardson. 1,517,585; Dec. 2.

Scarf, Table. J. R. Newton. 1,517,441; Dec. 2.

Screen. See—
Adjustable screen.

Seal, Box strap. F. L. McGary. 1,517,515; Dec. 2.

Seal, Closure. D. M. Boothman. 1,517,396; Dec. 2.

Seal for cording and the like. E. Dietze. 1,517,670; Dec. 2.

Seal press. G. A. J. Meyer. 1,517,851; Dec. 2.

Seeding apparatus, Ground. R. G. McAndrew. 1,517,791; Dec. 2.

Seeding machines, Driving mechanism for. W. A. Van Brunt. 1,517,268; Dec. 2.

Selective system. P. Norton and D. T. May. 1,517,857; Dec. 2.

Separator. See—
Air separator. Pneumatic separator.

Separator. A. H. Stebbins. 1,517,597; Dec. 2.

Shaft mounting. H. M. Gray and D. Wilson. 1,517,421; Dec. 2.

Shaking mechanism, Freely-swinging. E. Roth. 1,517,587; Dec. 2.

Shank-stiffener reinforcing and attaching means. O. Fern. 1,517,719; Dec. 2.

Sharpener for razor blades. Razor. S. King. 1,517,909; Dec. 2.

Sharpener, Pencil. J. Schick. 1,517,253; Dec. 2.

Sharpener, Blowgun for drill. J. Ditson. 1,517,497; Dec. 2.

Shaving mug. A. Lange. 1,517,298; Dec. 2.

Sheet-feeding mechanism. A. R. Scholl. 1,517,254-5; Dec. 2.

Shelf bracket. R. B. Cox. 1,517,959; Dec. 2.

Shelf for groceries and the like, Rotary. R. L. Floyd. 1,517,417; Dec. 2.

Shield. J. E. Lewis. 1,517,846; Dec. 2.

Shifting board. R. McIntosh. 1,517,682; Dec. 2.

Shipping display and advertising case, Combined. J. S. Scott. 1,518,003; Dec. 2.

Shoe-tongue device. P. C. Canizaro. 1,517,704; Dec. 2.

Shoes, Resilient insert for. C. O. Hayless. 1,517,610; Dec. 2.

Shovel. See—
Snow shovel.

Shovel fastening. G. E. Bishop. 1,517,942; Dec. 2.

Shuttle, Weaving. J. M. Slaughter. 1,518,011; Dec. 2.

Sign. S. T. Corbitt. 1,517,957; Dec. 2.

Sign. E. McNulty. 1,518,088; Dec. 2.

Signal. See—
Crossing signal. Vehicle signal.

Signal. J. T. Erwin. 1,517,831; Dec. 2.

Signaling means and system, Electric. L. Degen. 1,517,714; Dec. 2.

Signaling system. O. B. Buchanan. 1,517,277; Dec. 2.

Signaling system. R. W. Wood. 1,517,332; Dec. 2.

Signboard. E. H. Fahrney. 1,517,551; Dec. 2.

Silk and making same, Artificial. E. Hubert. 1,517,627; Dec. 2.

Silk-reeling machines, Cocoon-dropping apparatus for use in. K. Kobori and R. Saito. 1,517,366; Dec. 2.

Sizer, Pneumatic. A. H. Stebbins. 1,517,595-6; Dec. 2.

Skins, Stretcher for case. S. Friedman. 1,518,059; Dec. 2.

Sled brake. G. F. Edmonds. 1,517,967; Dec. 2.

Sled, Collapsible. E. A. Norberg. 1,517,379; Dec. 2.

Slicing machines, Indexing device for. P. J. Lucy. 1,517,681; Dec. 2.

Sheet metal, Corrugated. H. Junkers. 1,517,663; Dec. 2.

Shoes and making the same. F. M. Furber. 1,517,286; Dec. 2.

Snip-fastener attachment. M. V. and C. F. Clark. 1,517,708; Dec. 2.

Snow converter. O. T. Bugg. 1,517,949; Dec. 2.

Snow shovel. M. R. Bulger. 1,517,341; Dec. 2.

Socket and ring. W. M. Parker. 1,517,800; Dec. 2.

Socket-making mold. W. M. Parker. 1,517,799; Dec. 2.

Sodium silicate and preparing the same, Powdered. W. H. Dickerson. 1,517,891; Dec. 2.

Soot cleaner, Air-cooled. F. W. Linaker and T. M. Bruck. 1,517,440; Dec. 2.

Spanner. A. Hallin. 1,517,557; Dec. 2.

Spark gap. R. H. Marriott. 1,517,566; Dec. 2.

Spark plug. W. E. Lyons. 1,517,368; Dec. 2.

Spark-retarding device, Automatic. B. E. Bearman. 1,517,527; Dec. 2.

Spinning machines, Controlling the traverse yarn guides on. E. E. Nowell. 1,517,746; Dec. 2.

Splashguard. W. Copper. 1,517,406; Dec. 2.

Spoon or similar article. H. Pick. 1,517,444; Dec. 2.

Spraying fluids and mixing the same, Apparatus for. J. W. Stevenson. 1,517,598; Dec. 2.

Spring. See—
Vehicle spring.

Stand. See—
Work-supporting stand.

Steam-actuated ejector. H. F. Schmidt. 1,517,467; Dec. 2.

Steam boiler. D. S. Jacobus. 1,517,628; Dec. 2.

Steam closet. W. Kowalski. 1,518,078; Dec. 2.

Steel mine tile. C. S. Dean. 1,517,962; Dec. 2.

Steel retainer. R. H. Wilhelm. 1,517,478-9; Dec. 2.

Steering-gear indicator. A. J. Slonecker. 1,517,760; Dec. 2.

Steering means and method. A. M. Nicolson. 1,517,575; Dec. 2.

Steering wheels, Electric heater for. W. W. McDowell. 1,518,085; Dec. 2.

Stencil-duplicating machine. E. J. Brasseur. 1,517,275; Dec. 2.

Stencil-molting device. C. E. Morehouse. 1,517,649; Dec. 2.

Stempladder. J. C. Hough. 1,517,676; Dec. 2.

Stoker. M. B. Urquhart. 1,518,024; Dec. 2.

Stoker mechanism. W. G. Diman and J. M. Kendall. 1,517,773; Dec. 2.

Stop and replaying device, Automatic. J. H. Arends. 1,517,387; Dec. 2.

Stop mechanism. L. E. Topham. 1,517,872; Dec. 2.

Stop-motion mechanism with tripper device. W. T. Barritt. 1,517,390; Dec. 2.

Stopping mechanism. F. S. Calderwood and R. E. Zerneth. 1,517,401; Dec. 2.

Stove, Camp. L. B. N. W. and J. M. Goldberg. 1,517,357; Dec. 2.

Stove casing, Camp. L. B. N. W. and J. M. Goldberg. 1,517,358; Dec. 2.

Stove, Gasoline camp. L. B. N. J. M. and W. Goldberg. 1,517,355; Dec. 2.

Stoves, Burner construction for gasoline camp. L. B. J. M. N. and W. Goldberg. 1,517,356; Dec. 2.

Stretching tool. A. G. Guenther. 1,517,903; Dec. 2.

Stud. M. F. Carr. 1,517,705; Dec. 2.

Stuffing box. J. C. Goosman. 1,517,902; Dec. 2.

Subaqueous drill. W. D. Grant. 1,517,556; Dec. 2.

Sulphur into finely-divided flowers of sulphur, Converting massive and other forms of. C. J. Reed. 1,518,126; Dec. 2.

Sulphuric anhydride by contact by means of vanadium salts, Preparation of. P. Audlance and G. Bachalard. 1,518,043; Dec. 2.

Sugar products, Manufacture of. J. L. Fairlie. 1,517,775; Dec. 2.

Surgical splint for fractures. H. C. Masland. 1,517,915; Dec. 2.

Suspender clip. F. Oakley and G. W. Gibbs. 1,518,101; Dec. 2.

Switch. See—
Electric switch. Press-button switch.
Lighting and ignition Telephone switch.
switch. Toggle switch.
Line-finder switch.

Switch cluster, Pull. P. D. Phillips. 1,517,683; Dec. 2.

Switching handle. O. C. Willis. 1,517,811; Dec. 2.

Switch housing. W. V. Orr. 1,517,578; Dec. 2.

Switch-lever lock. W. E. Korsch and G. W. Huey. 1,517,641; Dec. 2.

Switch points, Rod for connecting. W. A. Brumage. 1,517,398; Dec. 2.

Switches, Pressure-control device for. J. H. Dennedy. 1,517,541; Dec. 2.

Swivel-shell attachment plug. C. E. Warner. 1,517,688; Dec. 2.

Table. C. Joannet and A. Assant. 1,517,730; Dec. 2.

Tag, Stock. G. G. Graham. 1,517,835; Dec. 2.

Tagging device. J. E. Pulliam. 1,517,456; Dec. 2.

Take-up and spooling system. C. C. Kriebel. 1,518,079; Dec. 2.

Talking-machine sound conveyer. J. Wolff. 1,517,813; Dec. 2.

Tallying machine. H. F. Marshall and B. F. Wing. 1,517,371; Dec. 2.

Tar extractor and gas exhauster, Combined. R. H. Reed. 1,517,457; Dec. 2.

Tees or cleantop tees, Repair-cover outfit for test. J. Heinkel. 1,517,677; Dec. 2.

Teeth and securing means therefor, Artificial crown for. E. M. Fredericks. 1,517,506; Dec. 2.

Teeth in making artificial dentures, Occluding form for positioning. E. G. Kesling. 1,518,075; Dec. 2.

Telegraph distribution system. L. M. Potts. 1,517,381; Dec. 2.

Telephone. H. Riegger. 1,517,754; Dec. 2.

Telephone-exchange system. F. J. Scudder. 1,517,257; Dec. 2.

Telephone-exchange system. F. A. Stearn. 1,517,260; Dec. 2.

Telephone-exchange system. W. A. Rhodes. 1,517,315; Dec. 2.

Telephone-exchange system. S. B. Williams, jr. 1,517,331; Dec. 2.

Telephone-exchange system, Semiautomatic. R. L. Stokely. 1,517,869; Dec. 2.

Telephone, Measured service. A. M. Crichton. 1,517,667; Dec. 2.

Telephone switch, Automatic. C. J. Hendrickson and V. F. Miller. 1,517,425; Dec. 2.

Telephone switch, Automatic. H. B. Taylor. 1,517,265; Dec. 2.

Telephone system, Automatic. R. W. Engsborg. 1,517,283; Dec. 2.

Telescoped tubular members, Coupling. E. R. Draver. 1,517,544; Dec. 2.

Telescopic air valve and operating means therefor. A. Boynton. 1,517,611; Dec. 2.

Textile fabric. E. G. Meyers. 1,517,140; Dec. 2.

Textile fabric. W. Rumpf, sr. 1,517,149; Dec. 2.

Textile fabric, Embroidered. B. Schwartz. 1,517,150; Dec. 2.

Textiles, Process and apparatus for testing. J. E. G. Lohouss. 1,517,911; Dec. 2.

Tile. See—
Steel mine tile.

Timer and distributor, Combined. L. T. Rhoades. 1,517,653; Dec. 2.

Timing device. E. Minge. 1,517,794; Dec. 2.

Tire chain. F. W. Kegel. 1,517,994; Dec. 2.

Tire-chain fastener, Automobile. C. F. Wiesenmeyer. 1,517,607; Dec. 2.

Tire pressure gauge, Pneumatic. A. Badowski. 1,517,484; Dec. 2.

Tire rim, Collapsible. J. E. Hall, F. J. Minkle, and L. A. Cass. 1,517,558; Dec. 2.

Tire rim, Dismountable. C. C. Bonta. 1,517,274; Dec. 2.

Tire-rim implement. G. B. Haines. 1,517,904; Dec. 2.

Tire-stem pressure gauge. A. Badowski. 1,517,485; Dec. 2.

Tire-stem pressure gauges, Transparent cap for. A. Badowski. 1,517,486; Dec. 2.

Tire-stem pressure gauges, Transparent cap for pneumatic. C. C. Neal. 1,517,378; Dec. 2.

Tire tread. R. D. Belden. 1,517,108; Dec. 2.

Tire, Vehicle. H. W. Dix. 1,517,614; Dec. 2.

Tire-wrapping machine, Gluing device for. J. H. Roberts. 1,518,121; Dec. 2.

Tires, Apparatus for and process of cutting. H. Reichel. 1,517,801; Dec. 2.

Thrashing machine. H. E. Wohlgenuth. 1,517,481; Dec. 2.

Theater seating equipment. L. J. Duprey. 1,517,774; Dec. 2.

Thermal relay. B. H. Smith. 1,517,258; Dec. 2.

Thermometer, Clinical. A. E. Glenn. 1,517,779; Dec. 2.

Thread guide. H. Marsh. 1,518,090; Dec. 2.

Tobacco-curing barns, Protecting. R. L. Rose. 1,517,463; Dec. 2.

Tobacco looper. L. H. Mills. 1,518,095; Dec. 2.

Tobacco pipe. A. U. Montgomery. 1,517,448; Dec. 2.

Toggle switch. C. E. Avery. 1,518,042; Dec. 2.

Toilet box. R. W. Wilson. 1,517,662; Dec. 2.

Tongs. E. H. Fisher. 1,517,776; Dec. 2.

Tool, Combination. H. E. Hayward. 1,517,986; Dec. 2.

Tool handle. L. A. Burch. 1,517,399; Dec. 2.

Tooth, Artificial. H. Sturm. 1,517,657; Dec. 2.

Toothbrush. J. P. Stoddart. 1,517,320; Dec. 2.

Toothbrush holder. M. Nordstrom and E. R. Brown. 1,517,576; Dec. 2.

Torpedo, Railway signal. F. Dutcher. 1,517,966; Dec. 2.

Tourist's travel indicator. E. B. Warren. 1,517,605; Dec. 2.

Toy. W. C. Messmer. 1,518,094; Dec. 2.

Toy. O. F. Reiter. 1,517,458; Dec. 2.

Toy bowling alley. E. F. Grady. 1,517,726; Dec. 2.

Toy, Figure. A. V. Rapp. 1,518,108; Dec. 2.

Traction-increasing device. G. F. Bell. 1,517,939; Dec. 2.

Traction shoe. L. Nagy, sr. 1,517,450; Dec. 2.

Tractor attachment. O. W. Johnson. 1,517,732; Dec. 2.

Tractor planter. A. Brown. 1,517,823; Dec. 2.

Tractor safety attachment. P. O. Trahan. 1,517,323; Dec. 2.

Tractors and the like, Chain track for. V. Dutkiewicz. 1,517,716; Dec. 2.

Tractors, Sawing attachment for. O. W. Johnson. 1,517,733; Dec. 2.

Trade signal. C. A. B. Halvorsen, jr. 1,517,120-1; Dec. 2.

Train-pipe connectors, Lock for automatic. C. A. Kothe. 1,517,785; Dec. 2.

Train stop, Automatic. J. H. Wright and B. H. Grove. 1,517,815; Dec. 2.

Trains, Exterior lighting system for railway. F. W. Morris and M. C. Niland. 1,518,098; Dec. 2.

Tramway points, Device for use in shifting. W. F. McKay. 1,517,243; Dec. 2.

Trap. See—
Hog trap.

Tray holder. D. R. Neiswender. 1,518,099; Dec. 2.

Tripod. E. Bruneau. 1,517,825; Dec. 2.

Trolley harp and trolley head. H. Santoro. 1,517,756; Dec. 2.

Trolley head. L. Sabo. 1,517,465; Dec. 2.

Trolley splice. W. Schanke. 1,517,252; Dec. 2.

Trousers stretcher. T. J. Aylett. 1,517,771; Dec. 2.

Truck. C. W. Cade. 1,517,951; Dec. 2.

Truck, Four-wheel. F. R. Cornwall. 1,517,535; Dec. 2.

Truck, Hand. T. B. Gull. 1,517,901; Dec. 2.

Tube mills, Automatic slacker for seamless. L. H. Weltz, jr. 1,517,320; Dec. 2.

Tumbling device. A. F. Rockwell. 1,517,462; Dec. 2.

Tuner, Variable-inductance. I. O. Anderson. 1,517,691; Dec. 2.

Tunneling machine. M. R. Sheen. 1,517,802; Dec. 2.

Turbine, Hydraulic. L. F. Moody. 1,517,916; Dec. 2.

Turbine, Water. K. A. Enz. 1,517,896; Dec. 2.

Tuyere for converters or the like. P. A. Faust. 1,517,972; Dec. 2.

Type matrix. R. Evans. 1,517,970; Dec. 2.

Typewriting machine. E. E. Barney. 1,517,937; Dec. 2.

Typewriting machine. F. K. Davis and C. C. Taylor. 1,517,408; Dec. 2.

Typewriting machine. E. B. Hess. 1,517,505-8; Dec. 2.

Typewriting machine. O. Thiem. 1,517,474; Dec. 2.

Typographical machines, Font distributor for. H. R. Freund. 1,517,975; Dec. 2.

Typography. H. A. Dudley. 1,517,965; Dec. 2.

Underreamer. E. J. Roe. 1,517,586; Dec. 2.

Vaccine and products thereof, Making. W. P. Larson. 1,517,845; Dec. 2.

Vaccine-making apparatus. W. P. Larson. 1,517,844; Dec. 2.

Valve. O. E. Oleson. 1,517,380; Dec. 2.

Valve. J. B. Vance. 1,518,025; Dec. 2.

Valve. A. B. Wallem. 1,517,877; Dec. 2.

Valve, Carburetor. E. B. and C. W. Gifford. 1,518,061; Dec. 2.

Valve, Fluid-operated whistle. C. D. Rafferty. 1,518,107; Dec. 2.

Valve for ascension pipes and the like. T. G. Kus. 1,517,786; Dec. 2.

Valve for rotation motors, Regulating. C. C. Hansen. 1,517,503; Dec. 2.

Valve for the auxiliary reservoirs of air-brake systems, Automatic release. E. H. Moreo. 1,518,097; Dec. 2.

Valve-lifter washer. T. S. Howarth. 1,517,511; Dec. 2.

Valve, Mixing. W. F. Hinkle. 1,517,990; Dec. 2.

Valve, Pressure-controlled. F. Heath. 1,517,728; Dec. 2.

Valve-seat removing mechanism. J. B. Alleman. 1,517,883; Dec. 2.

Valve-seat-removing tool for pumps. I. L. Ault. 1,517,525; Dec. 2.

Valve-spring-lifting device. M. J. Burkell and L. P. Fosnot. 1,517,899; Dec. 2.

Valve, Whistle-operating. C. D. Rafferty. 1,518,106; Dec. 2.

Vanity case. S. Piccolotto. 1,518,103; Dec. 2.

Vanity case, Twin-compact. S. A. Jaroslowski-Floret. 1,518,071; Dec. 2.

Vehicle body, Convertible. E. R. Barrett. 1,517,697; Dec. 2.

Vehicle brake. E. C. Mogford. 1,517,246; Dec. 2.

Vehicle brake mechanism. R. M. Lovejoy. 1,517,789; Dec. 2.

- Vehicle, Combination land and water. L. G. Hall. 1,517,422; Dec. 2.
- Vehicle direction indicator. J. Seckser and O. Scholl. 1,517,318; Dec. 2.
- Vehicle heater. E. N. Fales. 1,517,349; Dec. 2.
- Vehicle, Motor-driven. P. S. Bauer. 1,518,045; Dec. 2.
- Vehicle signal. G. D. Nelson. 1,517,853; Dec. 2.
- Vehicle spring. P. R. Newkirk. 1,517,855; Dec. 2.
- Vehicles, Bumper for motor-driven. W. B. Sewell. 1,517,590; Dec. 2.
- Vehicles, Indicating unauthorized use of motor. M. V. Strohscheln. 1,517,264; Dec. 2.
- Vending machine, Coin-controlled. J. N. Mortensen. 1,517,377; Dec. 2.
- Ventilated motor, Inclosed. C. B. Mills. 1,517,306; Dec. 2.
- Ventilating-fan drive. A. Francois. 1,517,623; Dec. 2.
- Ventilator construction, Building. J. Sylvan. 1,517,321; Dec. 2.
- Venting device. P. H. Reiter. 1,517,459; Dec. 2.
- Vise. C. W. Morgan. 1,517,308-9; Dec. 2.
- Voile fabric, Flocked. E. B. Vandergaw and J. Heinrich. Des. 66,153-66; Dec. 2.
- Vulcanization apparatus. E. C. Wlose. 1,517,327; Dec. 2.
- Vulcanizer. E. W. Melvin. 1,517,517; Dec. 2.
- Vulcanizing apparatus. D. E. Hennessy. 1,517,560; Dec. 2.
- Wall gauge. J. F. Knuffman. 1,518,074; Dec. 2.
- Warp through the reed, Drawing of the. S. S. C. Fleischer. 1,517,832; Dec. 2.
- Warping machines, Pneumatic lint clearer for. M. F. Cummings and N. G. Lapham. 1,517,961; Dec. 2.
- Washbasin. D. A. Ebinger. 1,517,014; Dec. 2.
- Washer: See—
- Valve-lift washer.
- Washing device. O. H. Weckesser. 1,517,926; Dec. 2.
- Washing-machine gearing. C. J. Velej and W. S. Forbes. 1,517,604; Dec. 2.
- Washing machines, Driving mechanism for. O. F. Flischdick and A. W. Krahn. 1,517,285; Dec. 2.
- Watchcase. A. W. Wadsworth and A. P. Conant. Des. 66,169; Dec. 2.
- Watchcase appendage. A. W. Wadsworth and A. P. Conant. Des. 66,170; Dec. 2.
- Water-cooler attachment. G. W. Shultz. 1,517,804; Dec. 2.
- Wave motor. E. P. Power. 1,517,750; Dec. 2.
- Wax foundations, Reinforcing splint for. W. Schellin. 1,518,004; Dec. 2.
- Waxing and polishing apparatus. Floor. P. A. and A. W. Green. 1,517,980; Dec. 2.
- Weatherproof container. J. Berg. 1,517,273; Dec. 2.
- Web-carrier magazine. O. W. Richardson. 1,517,460; Dec. 2.
- Weighting mechanisms, Casting for. C. G. von Post. 1,517,658; Dec. 2.
- Welding, Electrode for electric-arc. G. Motte. 1,517,311; Dec. 2.
- Well fishing tool. R. W. Hickman. 1,517,426; Dec. 2.
- Wheel. F. A. Bower. 1,517,821; Dec. 2.
- Wheel drive, Stitcher. J. Bloom. 1,518,046; Dec. 2.
- Wheel-jacking method and device. J. T. Larson. 1,517,648; Dec. 2.
- Wheel-spoke die and method of its use. H. P. Arnt and T. N. Alkens. 1,517,694; Dec. 2.
- Wheels, Demountable rim for vehicle. J. A. Dickenson and H. F. O'Hanlon. 1,517,828; Dec. 2.
- Wheels, Detachable rim for. J. T. Gantt. 1,517,721; Dec. 2.
- Wheels, Gear casing for motor-vehicle. J. Coapman. 1,517,494; Dec. 2.
- Winch. A. Clayden. 1,517,616; Dec. 2.
- Winch. C. C. Hogg. 1,517,991; Dec. 2.
- Winder. H. D. Colman. 1,517,279; Dec. 2.
- Winding machine. A. E. Rhodes. 1,518,120; Dec. 2.
- Windmotor. W. R. Twiford. 1,518,022; Dec. 2.
- Windshield cleaner. F. G. and W. M. Folberth. 1,518,058; Dec. 2.
- Windshield cleaner. W. Kleine. 1,517,365; Dec. 2.
- Windshield-glass fastener. J. Schaefer. 1,518,000; Dec. 2.
- Window antirattler. W. I. Silne. 1,517,599; Dec. 2.
- Window-cleaning tool. F. A. Nighbert. 1,518,100; Dec. 2.
- Window guard. A. Mathis and J. Delplano. 1,518,091; Dec. 2.
- Window regulator. J. E. Lennhan. 1,517,913; Dec. 2.
- Window stoplock. B. F. Aufderheide. 1,517,817; Dec. 2.
- Windowpane heater. R. Gertler and B. Fine. 1,517,833; Dec. 2.
- Wireless signaling system. H. J. Round and A. McLellan. 1,517,654; Dec. 2.
- Wood-planer feed chain. F. J. Wallace. 1,518,029; Dec. 2.
- Wood, Seasoning of. R. Thelen. 1,517,473; Dec. 2.
- Work-supporting stand, Adjustable. F. P. Schaaf. 1,517,251; Dec. 2.
- Wreath and the like. H. P. Hanson. 1,517,287; Dec. 2.
- Wreath, Illuminated. W. A. McClelland. 1,517,848; Dec. 2.
- Wrench: See—
- Adjustable wrench. Pipe wrench.
- Wrench. B. L. McNeuey. 1,517,304; Dec. 2.
- Wrist strap and sleeve protector, Combined. O. G. Harvey. 1,517,984; Dec. 2.
- X-ray-film carrier. S. Tousey. 1,517,767; Dec. 2.
- Yarn and other fibers in the hank or skein, Apparatus for dyeing, scouring, or otherwise treating. H. M. Dudley. 1,517,545; Dec. 2.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 2, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 11: 1,517,374	21— 116: 1,517,697	41— 25: 5: 1,517,296	74— 59: 1,517,836	101— 218: 1,517,969	123— 179: 1,517,533
50: 1,517,647	117: 1,517,704	42— 3: 1,517,483	81: 1,517,592	248: 1,517,889	186: 1,517,527
9: 1,517,889	132: 1,517,449	62: 1,518,027	81: 1,517,699	369: 1,517,889	191: 1,517,336
59: 1,517,984	133: 1,518,068	71: 1,517,420	108: 1,518,048	382: 1,517,965	126— 14: 1,517,795
97: 1,518,040	143: 1,517,342	77: 1,517,328	109: 1,517,561	401: 2: 1,517,970	38: 1,517,358
100: 1,517,723	208: 1,517,708	36: 1,518,052	110: 1,517,593	9: 1,517,295	39: 1,518,017
162: 1,517,807	219: 1,517,705	44— 1: 1,517,830	119: 1,517,692	1,517,385	85: 1,518,007
197: 1,517,637	241: 1,517,596	45— 2: 1,517,299	14: 1,517,737	12: 1,517,554	110: 1,517,764
198: 1,518,049	243: 1,518,101	50: 1,517,960	18: 1,517,692	14: 1,517,702	116: 1,517,622
278: 1,517,867	248: 1,517,407	51: 1,518,069	14: 1,517,402	29: 1,517,810	285: 1,517,734
191: 1,517,414	248: 1,517,407	52: 1,517,730	18: 1,517,689	1: 1,517,898	292: 1,517,335
94: 1,518,035	263: 1,517,979	78: 1,517,267	51: 1,518,083	2: 1,517,665	351: 1,517,389
118: 1,517,619	1: 1,517,452	90: 1,517,905	5: 1,517,497	11: 1,517,490	127— 11: 1,517,499
347: 1,517,617	41: 1,517,803	113: 1,518,005	95: 1,517,491	59: 1,517,461	30: 1,517,775
9: 1,518,102	45: 1,517,282	136: 1,517,298	104: 1,517,921	220: 1,518,028	128— 87: 1,517,915
10: 1,518,004	63: 1,517,364	4: 1,517,476	1: 1,517,330	225: 1,517,489	214: 1,517,849
12: 1,518,077	99: 1,517,713	1,517,514	51: 1,517,475	1,517,824	330: 1,517,787
191: 1,517,717	121: 1,517,918	17: 1,518,030	3: 1,518,098	233: 1,517,611	129— 4: 1,517,712
13: 1,517,986	131: 1,517,244	35: 1,517,594	17: 1,517,308	236: 1,518,066	16: 1,518,105
2: 1,517,888	131: 5: 1,517,946	37: 1,517,958	17: 1,517,309	243: 1,517,594	130— 15: 1,517,941
5: 1,517,581	144: 1,517,437	40: 1,518,108	72: 1,518,087	58: 1,517,589	27: 1,517,481
1: 1,517,709	29: 1,517,651	51: 1,517,332	86: 1,517,632	268: 1,517,632	6: 1,517,463
18: 1,517,545	27— 8: 1,517,908	53: 1,517,444	88: 1,517,557	32: 1,517,261	12: 1,517,445
3: 1,517,571	28— 22: 1,517,961	59: 1,517,454	128: 1,517,303	1,517,262	21: 1,518,065
13: 1,517,745	24: 1,518,120	63: 1,517,847	40: 1,517,580	62: 1,518,034	38: 1,517,375
17: 1,517,469	45: 1,517,832	64: 1,517,847	6: 1,517,584	174: 1,517,881	39: 1,517,729
22: 1,517,562	80: 1,517,540	70: 1,517,639	9: 1,517,538	194: 1,517,635	51: 1,517,934
15: 1,517,971	84: 1,517,574	48— 172: 1,517,786	40: 1,517,600	304: 1,517,245	132— 13: 1,517,696
6: 1,517,297	86: 3: 1,517,525	180: 1,517,313	54: 1,517,509	31: 1,517,360	20: 1,517,333
64: 1,517,695	87: 1: 1,517,419	46: 1,517,890	1,517,595	36: 2: 1,517,618	75: 1,517,869
66: 1,517,337	87: 1: 1,517,423	51— 80: 1,517,909	1,517,596	54: 1,517,453	83: 1,517,662
142: 1,517,973	88: 2: 1,517,883	164: 1,517,462	1,517,597	59: 1,517,272	1,518,103
22: 1,517,320	89: 5: 1,517,373	53— 1: 1,517,432	1,518,031	5: 6: 1,517,284	133— 5: 1,517,397
25: 1,517,917	89: 5: 1,517,373	9: 1,517,925	1,518,010	33: 1,517,944	134— 18: 1,517,996
159: 1,517,492	180: 1,547,633	83: 1,517,659	1,518,011	54: 1,517,531	27: 1,518,044
172: 1,517,613	3: 1,517,955	108: 1,517,559	1,518,111	1: 1,517,291	136— 29: 1,517,660
179: 1,517,852	9: 1,517,395	1,517,642	1,518,111	1,517,629	21: 1,517,804
210: 1,517,615	4: 1,518,075	86: 1,517,346	45: 1,517,685	7: 1,517,319	34: 3: 1,517,384
230: 1,517,882	9: 1,517,500	60— 14: 1,517,372	60: 1,517,597	38: 1,518,024	69: 1,517,459
236: 1,517,762	10: 1,517,657	61— 10: 1,518,014	1,517,597	40: 1,517,427	79: 1,517,842
23: 1,518,058	10: 1,518,021	38: 1,517,565	1,517,597	101: 1,517,773	104: R. 15, 956
160: 1,517,792	12: 1,517,655	66: 1,517,345	1,518,031	1: 1,517,791	139: 1,517,894
6: 1,517,327	46: 1,517,529	62— 6: 1,517,534	1,518,031	60: 1,517,715	153: 1,517,608
17: 1,517,560	48: 1,517,363	95: 1,517,700	1,518,031	63: 1,517,715	1,517,728
18: 1,517,517	85: 1,518,074	116: 1,517,376	1,518,031	27: 1,517,351	138— 8: 1,517,874
42: 1,517,850	164: 1,517,993	178: 1,518,053	1,518,031	40: 1,517,369	139— 42: 1,517,464
45: 1,517,863	174: 1,517,390	49: 1,517,421	1,518,031	47: 1,517,758	97: 1,517,930
53: R. 15, 957	24: 1,517,473	64— 49: 1,517,421	1,518,031	8: 1,518,060	103: 1,517,510
1,518,062	34: 1,517,755	65— 15: 1,517,388	1,518,031	62: 1,517,873	162: 1,517,614
54: 1,517,627	34: 1,517,755	47: 1,517,250	1,518,031	37: 1,517,980	159: 1,517,668
59: 1,517,524	34: 1,517,755	61: 1,517,436	1,518,031	38: 1,517,649	1,517,768
1,517,799	34: 1,517,755	7: 1,517,390	1,518,031	67: 4: 1,517,914	1,518,117
3: 1,517,366	34: 1,517,755	9: 1,517,391	1,518,031	67: 9: 1,517,826	207: 1,518,011
163: 1,517,945	34: 1,517,755	9: 1,517,391	1,518,031	68: 1,517,606	223: 1,518,090
1: 1,517,774	34: 1,517,755	9: 1,517,391	1,518,031	1,517,606	225: 1,517,856
16: 1,517,924	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	245: 1,517,400
40: 5: 1,517,365	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	1,517,513
1,517,833	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	1,517,347
56: 4: 1,518,000	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	316: 1,518,118
71: 1,518,091	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	375: 1,517,929
92: 1,517,256	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	140— 87: 1,517,834
100: 1,517,846	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	143— 43: 1,517,733
29: 1,517,797	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	89: 1,517,706
48: 1,517,798	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	124: 1,518,110
65: 1,517,579	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	2: 1,517,601
1,517,608	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	105: 1,517,987
1,517,609	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	5: 1,517,656
140: 1,517,781	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	34: 1,517,827
189: 1,517,675	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	47: 1,518,100
1,517,778	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	3: 1,517,339
203: 1,517,620	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	1,517,931
1: 1,518,043	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	21: 1,517,600
3: 1,517,442	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	102: 1,517,681
1,517,526	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	123: 1,517,988
10: 1,518,126	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	175: 1,517,624
13: 1,517,522	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	4: 1,517,354
1,517,891	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	13: 1,517,451
21: 1,517,870	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	19: 1,517,392
88: 1,517,686	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	392: 1,518,059
228: 1,518,019	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	59: 1,518,033
3: 1,518,092	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	119: 1,517,326
23: 1,517,515	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	149: 1,517,484
97: 1,517,305	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	12: 1,517,378
	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	1,517,486
	34: 1,517,755	9: 1,517,391	1,518,031	1,517,892	14: 1,517,450

CLASSIFICATION OF PATENTS.

152—	14: 1,517,495	179—	27: 1,517,260	200—	122: 1,517,258	221—	112: 1,517,923	246—	317: 1,517,243	274—	23: 1,517,813
	1,517,749		1,517,315		1,517,367		1,517,771		413: 1,517,641	277—	11: 1,518,960
	1,517,875		1,517,331		1,517,981		55: 1,517,493		450: 1,517,398		20: 1,517,956
	1,517,939		1,517,809		1,517,636		3: 1,517,588		487: 1,517,966		66: 1,517,877
	1,517,994	27.5: 1,517,265			1,517,811		40: 1,517,854	248—	18: 1,517,959	278—	96.3 1,517,710
153—	16: 1,517,766		81: 1,517,382		1,517,578		75: 1,517,780		24: 1,518,054		95: 1,517,399
	48: 1,517,694		86: 1,517,837		1,517,567		80: 1,517,310		43: 1,517,825	280—	23: 1,517,379
	49: 1,517,693		90: 1,518,056		1,517,631		2: 1,517,676	250—	17: 1,517,568		56: 1,517,951
	69.5: 1,517,678		91: 1,518,050		1,517,910		6: 1,517,521		1,517,569		152: 1,517,323
154—	2: 1,517,860		115: 1,517,754		1,517,516		14: 1,517,964		1,517,570		156: 1,517,406
	9: 1,517,278	180—	33: 1,517,338		1,517,727		80: 1,517,943		1,517,654	285—	13: 1,517,893
155—	55: 1,517,806		53: 1,517,732		1,517,938		1: 1,517,621		1,517,654		58: 1,517,785
	73: 1,517,674	183—	77: 1,517,497		1,517,819		11: 1,517,329		1,517,677		84: 1,517,553
156—	39: 1,517,548	184—	85: 1,518,055		1,517,294		13: 1,517,467		1,517,682		122: 1,517,242
157—	1: 1,517,404		104: 1,517,673		1,517,576		24: 1,517,782		1,517,687		151: 1,517,761
	1,517,904	187—	90: 1,517,936		1,517,779		21: 1,517,441		1,517,687		161: 1,517,544
158—	28: 1,517,643	188—	8: 1,517,967		1,517,876		1.5: 1,517,652	251—	28: 1,517,288	286—	19: 1,517,902
	36.4: 1,517,777		77: 1,517,246		1,517,932		59: 1,517,288		76: 1,518,106	292—	145: 1,517,447
	65: 1,517,355		92: 1,517,361		1,517,537		79: 1,517,858		104: 1,517,744		166: 1,518,015
	1,517,357		204: 1,517,789		1,517,940		92: 1,517,371		104: 1,517,325		169: 1,517,817
	75: 1,517,241		243: 1,517,496		1,517,912		134: 1,517,413		134: 1,517,511		189: 1,517,369
	76: 1,517,496	190—	12: 1,517,415		1,517,868		144: 1,517,412		145: 1,518,061		240: 1,517,993
	91: 1,517,614		19: 1,517,273		1,518,037	237—	12.3: 1,517,349		156: 1,518,025		244: 1,517,906
	106: 1,517,394	191—	44.1: 1,517,292		1,517,725		18: 1,517,518	252—	3: 1,517,523		310: 1,517,670
	116: 1,517,356		58: 1,517,465		1,517,945		10: 1,517,962		1,517,543		343: 1,517,599
164—	48: 1,517,801		60.1: 1,517,756		1,517,814		21: 1,517,693	253—	17: 1,517,916	293—	54: 1,517,998
	51: 1,517,425	192—	17: 1,517,616		1,517,417		49: 1,517,793		1,517,916		55: 1,517,500
	79: 1,517,646		60: 1,517,343		1,517,435		191: 1,517,480		1,517,916		1,517,721
166—	15: 1,517,504		69: 1,518,115		1,517,947		210: 1,518,113	254—	1: 1,517,648	294—	25: 1,517,753
167—	7: 1,517,844		105: 1,518,070		1,517,430		7: 1,518,098		33: 1,517,744		28: 1,517,776
	1,517,844		122: 1,517,401		1,517,977		10: 1,517,848		51: 1,517,903		30: 1,517,974
170—	21: 1,518,022		147: 1,517,872		1,517,901		23: 1,517,539		131: 1,517,991		54: 1,517,341
	90: 1,517,750	193—	20: 1,517,435		1,517,547		41: 1,517,322	255—	1: 1,517,556	296—	102: 1,517,426
171—	95: 1,517,249		63: 1,517,679		1,517,707		45: 1,518,112		19: 1,517,880		10: 1,517,697
	242: 1,517,691	194—	69: 1,517,731		1,517,644		45.2: 1,518,042		51: 1,517,312		28: 1,518,045
	252: 1,517,306		75: 1,517,672		1,517,751		48.4: 1,517,393		75: 1,517,586		78: 1,517,954
172—	324: 1,517,281		85: 1,517,377		1,517,732		1,517,661	257—	24: 1,517,488		92: 1,517,612
	120: 1,518,104	195—	20: 1,517,650		1,517,621		60: 1,518,069		126: 1,517,919		97: 1,517,455
	179: 1,518,013	197—	126: 1,517,474		1,518,080		61: 1,517,640		137: 1,517,487		141: 1,517,829
	274: 1,517,866		138: 1,517,595		1,518,093		78: 1,517,800	260—	31: 1,518,051		145: 1,518,099
173—	276: 1,517,290		1,517,595		1,517,645		85: 1,517,625		138: 1,517,968	299—	67: 1,517,664
	330: 1,517,684		1,517,595		1,517,471		100: 1,518,076		41: 1,517,926		84: 1,517,926
	336: 1,517,680		1,517,595		1,518,065	241—	5: 1,517,703		7: 1,517,802		97: 1,517,932
	1,517,683		1,517,595		1,517,311	242—	6: 1,518,121	262—	15: 1,517,598		114: 1,517,598
	1,517,683	143: 1,517,408			1,518,084		18: 1,517,279	263—	14: 1,517,324	301—	10: 1,517,828
	339: 1,517,688		1,517,997		1,517,738		43.7: 1,517,746		11: 1,517,410		11: 1,517,274
174—	177: 1,517,861	157: 1,517,843			1,518,085		55: 1,517,542		27: 1,517,658		17: 1,518,047
	1,517,861		1,517,843		1,518,085		72: 1,518,026		48: 1,517,743		30: 1,517,403
175—	21: 1,517,770	198—	10: 1,517,812		1,517,759		104: 1,517,720	266—	41: 1,517,972		33: 1,517,555
	294: 1,517,247		19: 1,518,029		1,518,067		23: 1,517,671		43: 1,517,820		40: 1,517,721
	1,517,240	199—	40: 1,517,975		1,517,301		1,517,913	267—	47: 1,517,855		63: 1,517,821
	296: 1,517,477	200—	21: 1,517,653		1,517,982		1,517,546		4: 1,517,913	303—	80: 1,518,097
	335: 1,517,276		26: 1,517,794		1,517,978		1,517,885	268—	6: 1,517,443	304—	26: 1,517,585
	338: 1,518,020		44: 1,517,907		1,517,677		25: 1,517,289		25: 1,517,254		33: 1,517,429
176—	31: 1,517,584		67: 1,517,638		1,518,042		31: 1,517,865	271—	30: 1,517,255	305—	10: 1,517,716
	122: 1,517,496		72: 1,518,041		1,517,528		31: 1,517,765		76: 1,517,739		
177—	380: 1,518,123		78: 1,517,920		1,517,502	221—	49: 1,517,815	273—	38: 1,517,726		
	1,517,581		80: 1,517,541		1,517,405		63: 1,517,549		62: 1,517,859		
178—	17: 1,517,381		106: 1,517,532		1,517,805		72: 1,517,784	274—	14: 1,517,690		
	9: 1,517,667		1,517,714		1,517,300		103: 1,517,300		15: 1,517,387		
179—	18: 1,517,266										
	1,517,263										
	27: 1,517,257										

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Accor Panama Hat Co., New York, N. Y. Straw hats. 192,556; Dec. 9; Serial No. 197,791; published Sept. 2, 1924.
- Adam Brothers Company, Houston, Tex. Pickles, vinegar, olives, etc. 192,578; Dec. 9; Serial No. 194,149; published Sept. 23, 1924.
- Adams, D. E. Company, Inc., New York, N. Y. Silk threads or yarns. 192,695; Dec. 9; Serial No. 200,376; published Sept. 23, 1924.
- Adelson, Abe N., New York, N. Y. Hats for women. 192,569; Dec. 9; Serial No. 198,552; published Sept. 16, 1924.
- Alax Rope Company, Inc., New York, N. Y. Drilling cable and transmission rope. 192,760; Dec. 9; Serial No. 200,168; published Sept. 2, 1924.
- Alax Rope Company, Inc., New York, N. Y. Manila and sisal rope. 192,761; Dec. 9; Serial No. 200,167; published Sept. 2, 1924.
- Alsa S. A., Basel, Switzerland. Thread. 192,773; Dec. 9; Serial No. 199,028; published Sept. 30, 1924.
- Alson Chemical Company. (See Jacobson, Albert.)
- Amend, Fred W., Co., Chicago, Ill. Candy. 192,803; Dec. 9; Serial No. 200,028; published Sept. 30, 1924.
- American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo. Crayons. 192,495; Dec. 9; Serial No. 199,918; published Sept. 16, 1924.
- American Crayon Company, The, Sandusky, Ohio. Paper pencils. 192,642; Dec. 9; Serial No. 199,595; published Sept. 9, 1924.
- American Crayon Company, The, Sandusky, Ohio. Dustless chalk. 192,642-4; Dec. 9; Serial Nos. 199,596-7; published Sept. 9, 1924.
- American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo. Crayons. 192,807-11; Dec. 9; Serial Nos. 199,921-5; published Sept. 16, 1924.
- American Crayon Company, Sandusky, Ohio, and St. Louis, Mo. Wax crayons. 192,812; Dec. 9; Serial No. 199,919; published Sept. 16, 1924.
- American Tissue Mills, Holyoke, Mass. Crepe paper. 192,496-8; Dec. 9; Serial Nos. 199,967-9; published Sept. 16, 1924.
- American Tissue Mills, Holyoke, Mass. Crepe paper. 192,804-5; Dec. 9; Serial Nos. 199,965-6; published Sept. 16, 1924.
- American Tripoli Company, Seneca, Mo. Tripoli flour, washing powder, soaps. 192,759; Dec. 9; Serial No. 200,172; published Sept. 9, 1924.
- Andrews Radio Company, Chicago, Ill. Radio receiving sets and parts therefor. 192,726; Dec. 9; Serial No. 195,254; published June 17, 1924.
- Angel, Bernardo, New York, N. Y. Coffee. 192,617; Dec. 9; Serial No. 200,921; published Sept. 23, 1924.
- Angelo Bros. Limited, Calcutta, British India. Gum and orange shellacs, button and garnet laces. 192,549; Dec. 9; Serial No. 195,615; published Sept. 23, 1924.
- Annin & Co., New York, N. Y. Silk piece goods. 192,624; Dec. 9; Serial No. 200,085; published Sept. 23, 1924.
- Annin & Co., New York, N. Y. Silk piece goods. 192,703; Dec. 9; Serial No. 199,770; published Sept. 23, 1924.
- Armstrong-Kilbourne, Inc., Minneapolis, Minn. Title of a monthly publication. 192,716; Dec. 9; Serial No. 198,280; published Sept. 9, 1924.
- Atlantic Manufacturing Company, now by change of name Scripto Manufacturing Company, Atlanta, Ga. Magazine pencils. 192,632; Dec. 9; Serial No. 198,43; published Sept. 2, 1924.
- Atlas Paper Company, San Francisco, Calif. Manila wrapping paper. 192,683; Dec. 9; Serial No. 189,604; published Sept. 2, 1924.
- Auburndale Citrus Growers Association, Auburndale, Fla. Fresh citrus fruits. 192,527; Dec. 9; Serial No. 196,780; published Sept. 23, 1924.
- Automobile Specialty Mfg. Co., Inc., The, Harrisburg, Pa. Inner-tube patches. 192,836; Dec. 9.
- B. & M. Laboratories. (See Price, Eugene S.)
- Ballston Knit Glove Company, The, Ballston and Ballston Spa, N. Y. Knit gloves. 192,634; Dec. 9; Serial No. 198,610; published Sept. 23, 1924.
- Barbey, Henry J., doing business as Barbey Packing Co., Warrenton, Oreg. Canned salmon. 192,708; Dec. 9; Serial No. 197,983; published Sept. 23, 1924.
- Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 192,600; Dec. 9; Serial No. 199,206; published Sept. 9, 1924.
- Barnowitz, Harry, doing business as Honeymoon Specialty Co., Brooklyn, N. Y. Garters, supporters, suspenders, and ribbon and webbing wristbands. 192,542; Dec. 9; Serial No. 196,424; published Sept. 16, 1924.
- Bastian-Morley Co., Laporte, Ind. Gas water heaters. 192,839; Dec. 9.
- Beck Manufacturing Co., Sioux City, Iowa. Oil cans. 192,597; Dec. 9; Serial No. 198,981; published Sept. 23, 1924.
- Beech-Nut Packing Company, Canajoharie, N. Y. Toilet soap and shaving cream. 192,758; Dec. 9; Serial No. 200,471; Sept. 23, 1924.
- Belfit Brassiere Co., Inc., Brooklyn, N. Y. Brassieres. 192,572; Dec. 9; Serial No. 198,834; published Sept. 9, 1924.
- Benjamin, E. V., Company, Inc., The, doing business as Magnolia Cotton Mills, New Orleans, La. Cotton piece goods. 192,694; Dec. 9; Serial No. 200,977; published Sept. 23, 1924.
- Bertram, Edward R., doing business as Lumo Glo Mfg. Co., Pueblo, Colo. Polish for aluminum. 192,637; Dec. 9; Serial No. 199,274; published Sept. 9, 1924.
- Bigger-Padgett Company, Fort Myers, Fla. Vegetables. 192,806; Dec. 9; Serial No. 199,929; published Sept. 30, 1924.
- Bird, Philip H., Boston, Mass. Correspondence paper and envelopes. 192,802; Dec. 9; Serial No. 200,032; published Sept. 16, 1924.
- Blakey's Boot Protectors, Limited, Leeds, England. Pads manufactured from rubber or rubber composition. 192,538; Dec. 9; Serial No. 196,900; published Sept. 2, 1924.
- Blakey's Boot Protectors, Limited, Leeds, England. Pads manufactured from rubber or rubber composition. 192,573; Dec. 9; Serial No. 194,778; published Sept. 2, 1924.
- Blum & Koch, Inc., New York, N. Y. Men's straw hats. 192,565; Dec. 9; Serial No. 198,395; published Sept. 16, 1924.
- Bob Cap Co., doing business as Nobby Cap Company, St. Louis, Mo. Men's and boys' cloth caps. 192,679; Dec. 9; Serial No. 192,670; published Sept. 23, 1924.
- Bovril, Limited, London, England. Cocoa and all kinds of chocolate. 25,995; renewed Feb. 5, 1925.
- Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 192,767; Dec. 9; Serial No. 199,536; published Sept. 30, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 192,768; Dec. 9; Serial No. 199,531; published Sept. 30, 1924.
- Bragmans Lumber Company, Inc., New Orleans, La. Lumber. 192,704; Dec. 9; Serial No. 199,742; published Sept. 23, 1924.
- Braxold Co. (See Whittlesey, Grant.)
- Bromley Shepard Co., Inc., Lowell, Mass. Abdominal bands. 192,551; Dec. 9; Serial No. 194,548; published Aug. 12, 1924.
- Brownley's, Inc., Washington, D. C. Fudge. 192,649-53; Dec. 9; Serial Nos. 197,008-12; published Sept. 30, 1924.
- Brownley's, Inc., Washington, D. C. Fudge. 192,659; Dec. 9; Serial No. 197,007; published Sept. 30, 1924.
- Brownley's, Inc., Washington, D. C. Fudge. 192,660; Dec. 9; Serial No. 197,006; published Sept. 30, 1924.
- Brownley's, Inc., Washington, D. C. Fudge. 192,666-9; Dec. 9; Serial Nos. 197,002-5; published Sept. 30, 1924.
- Bruns, William X., doing business as The Speedometer Man, Chicago, Ill. Speedometer-shaft hangers. 192,622; Dec. 9; Serial No. 200,429; published Sept. 23, 1924.
- Buffalo Meter Company, Buffalo, N. Y. Meters for measuring water, gas, electricity, or other fluid. 26,342; renewed Apr. 2, 1925.
- Bunte Brothers, Chicago, Ill. Chocolates. 192,686; Dec. 9; Serial No. 182,395; published Sept. 16, 1924.
- Burnett, George B. & Son, New York, N. Y. Men's and boys' hats. 192,596; Dec. 9; Serial No. 198,841; published Sept. 9, 1924.
- Business Publications Co. (See Porter, Ada E.)
- C. & C. Company, Everett, Mass. Metal and glass polish. 192,738; Dec. 9; Serial No. 179,026; published Sept. 23, 1924.
- C. G. Spring & Bumper Company, The, Detroit, Mich. Nickel-plated articles specifically used for bumper parts. 192,824; Dec. 9.
- Callahan & Sons, Louisville, Ky. Oats and stock foods. 192,813; Dec. 9; Serial No. 199,878; published Sept. 30, 1924.
- Cannmeyer, New York, N. Y. Boots, shoes, and slippers. 192,552; Dec. 9; Serial No. 194,907; published Sept. 16, 1924.
- Campbell

Carameros, George D., El Paso, Tex. Candy. 192,717; Dec. 9; Serial No. 198,932; published Sept. 30, 1924.
 Carnegie Endowment for International Peace, New York, N. Y. Periodical publication. 192,510; Dec. 9; Serial No. 200,810; published Sept. 16, 1924.
 Cashmere Skookum Growers, Cashmere, Wash. Fresh apples and pears. 192,664; Dec. 9; Serial No. 193,897; published Sept. 30, 1924.
 Central Drug Co., Milwaukee, Wis. Cough drops. 192,586; Dec. 9; Serial No. 186,586; published Sept. 23, 1924.
 Central Lumber & Coal Company, Dubuque, Iowa. Coal. 192,511; Dec. 9; Serial No. 201,740; published Sept. 30, 1924.
 Chase, James F., East Machias, Me. Canned clams. 192,613; Dec. 9; Serial No. 201,178; published Sept. 23, 1924.
 Chemical Research Company of Lynn, Mass., Chicago, Ill. Combination cement. 192,787; Dec. 9; Serial No. 183,907; published Sept. 23, 1924.
 Clean-Air Manufacturing Company, Syracuse, N. Y. Cleanser for cleaning silverware, woodwork, and the like. 192,720; Dec. 9; Serial No. 197,992; published Sept. 23, 1924.
 Cohn, S. Co., New York, N. Y. Ladies' hat linings. 192,541; Dec. 9; Serial No. 196,647; published Sept. 16, 1924.
 Cole Chemical Company, The, Topeka, Kans. Preparation for use in preventing baking and freezing of automobile radiators, etc. 192,840; Dec. 9.
 Colorado Milling & Elevator Company, The, Denver, doing business as The Model Flour Mills, Greeley, Colo. Wheat flour. 192,797; Dec. 9; Serial No. 200,864; published Sept. 30, 1924.
 Columbia Shirt Company, New York, N. Y. Shirts. 192,830; Dec. 9.
 Conny Apron Co., Woodhaven, N. Y. Aprons. 192,636; Dec. 9; Serial No. 198,935; published Sept. 23, 1924.
 Coon, W. B. Co., Rochester, N. Y. Boots, shoes, and slippers. 192,585; Dec. 9; Serial No. 188,586; published Sept. 2, 1924.
 Corning Glass Works, Corning, N. Y. Glass fruit jars. 192,525; Dec. 9; Serial No. 197,993; published Sept. 23, 1924.
 Courtney, Kathleen A., Fairmont, W. Va. Ladies' bonnets, gloves, hosiery, dresses, etc. 192,566; Dec. 9; Serial No. 198,507; published Sept. 16, 1924.
 Crocker Pen Mfg. Company, (See Zain, George.)
 Crocker, William W., Salina, Kans. Composition of matter for application to phonograph records to reduce noises. 192,691; Dec. 9; Serial No. 199,219; published Sept. 23, 1924.
 Crockett & Jones, Northampton, England. Boots, shoes, slippers, leggings, and garters. 192,543; Dec. 9; Serial No. 196,295; published Sept. 2, 1924.
 Dan-Go Manufacturing Co., Boston, Mass. Cleaning liquid for woodwork, nickel, and glassware. 192,756; Dec. 9; Serial No. 200,713; published Sept. 23, 1924.
 Daniels, Fred, Wichita, Kans. Cleaner and polisher for wood, metal, or cloth. 192,749; Dec. 9; Serial No. 185,569; published Aug. 26, 1924.
 Deltex Grass Rug Company, Oshkosh, Wis. Fiber-rugs. 192,693; Dec. 9; Serial No. 201,183; published Sept. 23, 1924.
 Devoe & Reynolds Co., Inc., New York, N. Y. Liquid cleaning fluid. 192,670; Dec. 9; Serial No. 197,709; published Sept. 9, 1924.
 Dewhurst, John, & Sons, Ltd., Skipton, England. Cotton yarn and sewing cotton. 25,968; renewed Feb. 5, 1925.
 Dry-Ce-So Soap Co., The, Canton, Ohio. Dry-cleaner's soap. 192,766; Dec. 9; Serial No. 199,542; published Sept. 9, 1924.
 Dunham, Carrigan & Hayden Co., San Francisco, Calif. Adzes, hammers, saw sets, etc. 192,783; Dec. 9; Serial No. 188,540; published Sept. 23, 1924.
 Dutenhofer, Stanley, Shoe Company, The, Cincinnati, Ohio. Ladies' fine shoes. 192,711; Dec. 9; Serial No. 197,457; published Sept. 16, 1924.
 Earley, Alice W., Los Angeles, Calif. Toilet preparation to cleanse the skin. 192,791; Dec. 9; Serial No. 171,351; published Sept. 23, 1924.
 Eastman Kodak Company, Rochester, N. Y. Photographic plates. 192,620; Dec. 9; Serial No. 200,810; published Sept. 23, 1924.
 Economy Fountain Company, Birmingham, Ala. Soda fountains and equipment therefor. 192,526; Dec. 9; Serial No. 197,471; published Sept. 23, 1924.
 Egan and Hausman Company, Inc., New York, N. Y. Flat paint for interior. 192,528; Dec. 9; Serial No. 196,733; published Sept. 23, 1924.
 Eild Frocks, Inc., New York, N. Y. Brassieres. 192,834; Dec. 9.
 Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Writing pens of all kinds. 192,645; Dec. 9; Serial No. 199,777; published Sept. 9, 1924.
 Eustace Miles Foods (1921) Limited, London, England. Prepared food. 192,718; Dec. 9; Serial No. 198,322; published Sept. 30, 1924.
 Excelsior Varnish Works, (See Vick, Christian.)
 Farnworth, Daniel W., Montclair, N. J., and New York, N. Y. Suits for men and women, men's overcoats and trousers, and women's coats, wraps, and dresses. 192,832; Dec. 9.

Farwell, John V., Company, Chicago, Ill. Bedsprings, bedspread bolsters, comfortables, etc. 192,792; Dec. 9; Serial No. 171,210; published Sept. 23, 1924.
 Felix, Edgar H., New York, N. Y. Section of a periodical publication. 192,771; Dec. 9; Serial No. 199,280; published Sept. 9, 1924.
 Fleischner, L. & Sons, Cincinnati, Ohio. Ribbon on reels or in bolts. 192,685; Dec. 9; Serial No. 183,103; published Sept. 9, 1924.
 Flint Varnish & Color Works, Flint, Mich. Paint enamels, body colors, varnish, etc. 192,548; Dec. 9; Serial No. 185,878; published Sept. 23, 1924.
 Flintkote Company, The, Boston, Mass. Mineral-surfaced asphalt shingles and roofing. 192,706; Dec. 9; Serial No. 198,999; published Sept. 23, 1924.
 Franchart, Inc., New York, N. Y. Brassieres and corsets. 192,580; Dec. 9; Serial No. 193,221; published Sept. 16, 1924.
 Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties and cravats. 192,582; Dec. 9; Serial No. 190,724; published Sept. 16, 1924.
 Fruitfrost Corporation, The, New York, N. Y. Fruit flavors. 192,752; Dec. 9; Serial No. 191,480; published Sept. 30, 1924.
 Fulton Paint Co., The, Cleveland, Ohio. Liquid coating material in the nature of a paint. 192,785; Dec. 9; Serial No. 184,720; published Sept. 23, 1924.
 Gallagher Fruit Company, Alviso, Calif. Fresh pears. 192,619; Dec. 9; Serial No. 200,880; published Sept. 23, 1924.
 Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 192,814; Dec. 9.
 Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 192,816; Dec. 9.
 Gardner Governor Company, The, Quincy, Ill. Speed and pressure regulators, pumps, etc. 192,515; Dec. 9; Serial No. 199,781; published Sept. 23, 1924.
 Gardner Governor Company, The, Quincy, Ill. Governors, pumps, and compressors and parts of said mechanisms. 192,516; Dec. 9; Serial No. 199,779; published Sept. 23, 1924.
 Garneau, Jos., Co., Inc., The, New York, N. Y. Canned fish. 192,522; Dec. 9; Serial No. 199,160; published Sept. 23, 1924.
 General Advertising Company, Inc., Portland, Ore. Booklets. 192,506; Dec. 9; Serial No. 200,390; published Sept. 16, 1924.
 General Fireproofing Company, The, Youngstown, Ohio. Expanded metal. 192,823; Dec. 9.
 Gilbert & Barker Manufacturing Company, West Springfield, Mass. Monthly periodicals. 192,505; Dec. 9; Serial No. 200,251; published Sept. 16, 1924.
 Gilmer, L. H., Co., Inc., Quincy, Philadelphia, Pa. Fabric belts for transmitting power. 192,817; Dec. 9.
 Glubel Brothers, New York, New York, N. Y. Silk piece goods. 192,790; Dec. 9; Serial No. 177,841; published Sept. 23, 1924.
 Gluter, Matthew J., Minneapolis, Minn. Cereal breakfast foods. 192,719; Dec. 9; Serial No. 198,232; published Sept. 30, 1924.
 Glaser Shoe Company, San Francisco, Calif. Infants' and children's shoes. 192,535; Dec. 9; Serial No. 197,320; published Sept. 16, 1924.
 Glass, Henry, & Co., New York, N. Y. Cotton piece goods. 192,828; Dec. 9.
 Glenby's, S. Sons Co., Inc., New York, N. Y. Hair, safety, and toilet pins. 192,819; Dec. 9.
 Golden Nugget Sweets, (See Olson, Andrew, Jr.)
 Goldsmith, Harry N., Philadelphia, Pa. Paper napkins, towels, and wrappers. 192,665; Dec. 9; Serial No. 195,103; published Sept. 16, 1924.
 Goodman American Ice Cream Company, Chicago, Ill. Ginger ale. 192,835; Dec. 9.
 Goody Goody Manufacturing Company, (See Grigsby, Harry E.)
 Gorham Manufacturing Company, Providence, R. I. Metal statuary, memorial tablets, and other memorials in metal. 192,793; Dec. 9; Serial No. 152,248; published Sept. 23, 1924.
 Gotham Silk Hosiery Co., Inc., New York, N. Y. Understockings, spats, and hosiery. 192,741; Dec. 9; Serial No. 179,863; published Sept. 2, 1924.
 Gravenstein Apple Growers Co-operative Assn. of Sonoma County, Sebastopol, Calif. Fresh apples. 192,616; Dec. 9; Serial No. 200,988; published Sept. 23, 1924.
 Great American Stores Co., The, Chicago, Ill. Evaporated milk, canned vegetables, and wheat flour. 192,733; Dec. 9; Serial No. 193,919; published Sept. 30, 1924.
 Great Lakes Paper Company, Chicago, Ill. Blotting paper and coated blanks. 192,593; Dec. 9; Serial No. 197,809; published Sept. 2, 1924.
 Greater New York Export House, Inc., New York, N. Y. Carpet lining. 192,584; Dec. 9; Serial No. 190,542; published Sept. 2, 1924.
 Greek Candy Kitchen, Clinton, Ind. Candy. 192,822; Dec. 9.
 Grigsby, Harry E., doing business as Goody-Goody Manufacturing Company, Oklahoma City, Okla. Chili sandwiches. 192,825; Dec. 9.
 Guerlain Perfumery Corporation, Wilmington, Del. Soaps. 192,772; Dec. 9; Serial No. 199,162; published Sept. 2, 1924.

Hamilton, Francis F., doing business as Hamilton Manufacturing Company, Indianapolis, Ind. Candy boxes. 192,751; Dec. 9; Serial No. 190,783; published June 17, 1924.
 Hanlin Supply Company, The, Newton, Kans. Canned goods, sugar, rice, wheat flour, etc. 192,678; Dec. 9; Serial No. 194,061; published Sept. 23, 1924.
 Hansen, Emil C., doing business as SaniVac Company, Portland, Me. Disinfectant. 192,609; Dec. 9; Serial No. 199,554; published Sept. 23, 1924.
 Hardware Dealers Magazine, Inc., New York, N. Y. Monthly magazine. 192,753; Dec. 9; Serial No. 193,459; published Sept. 9, 1924.
 Hart Sash Holder Co., (See Kriehn, Frank.)
 Haselhubb, Louis E., Detroit, Mich. Face creams and powders, lotions, and hand creams. 192,581; Dec. 9; Serial No. 191,768; published Sept. 23, 1924.
 Haskel, S., & Sons, Inc., Brooklyn, N. Y. Monuments and slabs and specimens of stone, granite, and marble. 192,705; Dec. 9; Serial No. 199,618; published Sept. 23, 1924.
 Hazleton Syrup Company, Hazleton, Pa. Cereal malt syrup. 192,831; Dec. 9.
 Hearn, James A., & Son Inc., New York, N. Y. Correspondence paper and envelopes. 192,675; Dec. 9; Serial No. 195,287; published Sept. 2, 1924.
 Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes, etc. 192,673; Dec. 9; Serial No. 196,171; published Sept. 9, 1924.
 Holland Shoe Co., Holland, Mich. Leather boots and shoes. 192,633; Dec. 9; Serial No. 198,522; published Sept. 23, 1924.
 Hollandsche Cacao en Chocoladefabrieken v/h Benschdorp & Co., Amsterdam, Netherlands. Cocoa. 192,519; Dec. 9; Serial No. 199,426; published Sept. 23, 1924.
 Holstein, Michael B., Richmond, Pa. Air pumps. 192,621; Dec. 9; Serial No. 200,445; published Sept. 23, 1924.
 Holton, Albert M., doing business as No-Life Food Co., Minneapolis, Minn. Cereal breakfast food and pancake flour. 192,734; Dec. 9; Serial No. 160,550; published Sept. 30, 1924.
 Honeyman Specialty Co., (See Barnowitz, Harry.)
 Hoopes & Townsend, assignor to Hoopes & Townsend Company, Philadelphia, Pa. Rivets. 24,439; renewed Apr. 3, 1924.
 Hoosier Manufacturing Co., The, Indianapolis, Ind. Soap compounds. 192,739; Dec. 9; Serial No. 179,371; published June 12, 1923.
 Hubach's Products Co., Tiffin, Ohio. Ice cream, butter, milk, cheese. 192,560; Dec. 9; Serial No. 197,936; published Sept. 23, 1924.
 Hueck Axle Corporation, Chicago, Ill. Axles, axle housings, axle-driving mechanism, and brakes for automotive vehicles. 192,843; Dec. 9.
 Hughes & Tansey, Inc., Boston, Mass. Leather boots and shoes. 192,545; Dec. 9; Serial No. 196,117; published Sept. 2, 1924.
 Hunter Dry Kiln Company, The, Indianapolis, Ind. Dry kilns. 192,687; Dec. 9; Serial No. 175,354; published July 17, 1923.
 Huttner-Nelson & Co., Chicago, Ill. Hand soap. 192,656; Dec. 9; Serial No. 199,701; published Sept. 9, 1924.
 Hydraulic Engineering & Equipment Co., (See Kochenderfer, Wm. B.)
 I. T. S. Rubber Company Ltd., London, England. Heels, tips, soles, and pads for boots and shoes. 192,576; Dec. 9; Serial No. 194,668; published Sept. 16, 1924.
 Imperial Type Metal Co., Philadelphia, Pa. Type metal. 192,517; Dec. 9; Serial No. 199,752; published Sept. 23, 1924.
 Industria Chimica Lugano J. Spohr, (See Spohr, J.)
 Inecto, Inc., Wilmington, Del., and New York, N. Y. Monthly publication. 192,503; Dec. 9; Serial No. 200,104; published Sept. 16, 1924.
 International Corset Company, Aurora, Ill. Corsets. 192,598; Dec. 9; Serial No. 199,005; published Sept. 9, 1924.
 International Feature Service, Inc., New York, N. Y. Newspaper section. 192,499; Dec. 9; Serial No. 199,900; published Sept. 16, 1924.
 International Paper Company, New York, N. Y. Writing and printing paper. 192,648; Dec. 9; Serial No. 199,890; published Sept. 16, 1924.
 Jacob, Arthur, Chicago, Ill. Periodical. 192,508; Dec. 9; Serial No. 200,764; published Sept. 16, 1924.
 Jacob, H., & Sons, Inc., Brooklyn, N. Y. Rubber heels. 192,597; Dec. 9; Serial No. 197,816; published Sept. 2, 1924.
 Jacobs, David, Corporation, New York, N. Y. Hosiery. 192,710; Dec. 9; Serial No. 197,600; published Sept. 23, 1924.
 Jacobson, Albert, doing business as Alson Chemical Company, New York, N. Y. Headache powders. 192,602; Dec. 9; Serial No. 199,226; published Sept. 23, 1924.
 Joannes Bros. Co., Green Bay, Wis. Tomatoes, refugee green beans, peas, sweet corn, etc. 192,631; Dec. 9; Serial No. 200,046; published Sept. 16, 1924.
 Johnson, Charlton G., Columbus, Ga. Pharmaceutical preparation intended as a local application for burns, etc. 192,590; Dec. 9; Serial No. 173,425; published Sept. 23, 1924.

Julius Plutsch Aktiengesellschaft, Berlin, Germany. Gas-producing plants. 192,674; Dec. 9; Serial No. 195,597; published Sept. 23, 1924.
 Kable-Spalding Company, Mount Morris and Chicago, Ill. Monthly magazine. 192,765; Dec. 9; Serial No. 199,556; published Sept. 9, 1924.
 Kansas City Macaroni & Importing Co., Kansas City, Mo. Alimentary pastes. 192,680; Dec. 9; Serial No. 192,623; published Sept. 23, 1924.
 Karples Company, Providence, R. I. Thread of all kinds. 192,615; Dec. 9; Serial No. 200,990; published Sept. 23, 1924.
 Kell, Francis, & Son, assignor to Francis Kell & Son, Inc., New York, N. Y. Locks, hinges, bolts, etc. 26,389; renewed Apr. 9, 1925.
 Kellner, Henry F., Silver Lake, Kans. Jetties and jetty construction materials, etc. 192,829; Dec. 9.
 Kent-Moore Organization, Detroit, Mich. Burnishing compounds. 192,801; Dec. 9; Serial No. 200,264; published Sept. 9, 1924.
 Keystone Business Service Co., Inc., Scranton, Pa. Income-tax and business records. 192,689; Dec. 9; Serial No. 185,082; published Sept. 16, 1924.
 Keystone Cooperative Grape Association, North East, Pa. Fresh grapes. 192,729; Dec. 9; Serial No. 195,005; published Sept. 30, 1924.
 Kinsbergen, Rosa, doing business as Mme. Relss, New York, N. Y. Ladies' hats. 192,603; Dec. 9; Serial No. 199,230; published Sept. 9, 1924.
 Kirk, James S., & Company, Chicago, Ill. Soap. 192,737; Dec. 9; Serial No. 178,446; published Sept. 23, 1924.
 Knedler Bates Mfg. Co., Indianapolis, Ind. Corn flour and corebinder material. 192,514; Dec. 9; Serial No. 199,792; published Sept. 23, 1924.
 Knight, B. B., & B., Inc., Providence, R. I., and New York, N. Y. Bleached cotton piece goods. 192,776; Dec. 9; Serial No. 193,048; published Sept. 23, 1924.
 Kochenderfer, Wm. B., doing business as Hydraulic Engineering & Equipment Co., Philadelphia, Pa. Hydraulic pilot and elevator valves. 192,788; Dec. 9; Serial No. 181,753; published Sept. 23, 1924.
 Koken Companies, St. Louis, Mo. Razor straps. 192,769-70; Dec. 9; Serial Nos. 199,362-3; published Sept. 2, 1924.
 Kreis, John A., doing business as Riverside Poultry Farm, Knoxville, Tenn. Live chicks and chickens, eggs, and hatching eggs. 192,732; Dec. 9; Serial No. 193,840; published Sept. 30, 1924.
 Kresge, S. S., Company, Detroit, Mich. Corsets. 192,571; Dec. 9; Serial No. 198,646; published Sept. 9, 1924.
 Kriehn, Frank, doing business as Hart Sash Holder Co., Lexington, Mo. Sash holders or fasteners. 192,623; Dec. 9; Serial No. 200,203; published Sept. 23, 1924.
 Lane, John, doing business as Magic Wypoff Manufacturing Company, Detroit, Mich. Cleaners for painted, enameled, and lacquered surfaces. 192,677; Dec. 9; Serial No. 194,605; published Sept. 9, 1924.
 La Rosista Corset Co., Bridgeport, Conn. Corsets. 192,635; Dec. 9; Serial No. 198,714; published Sept. 23, 1924.
 Lavitz, Herman, doing business as Dr. Young's Food Company, Brooklyn, N. Y. Malted milk. 192,518; Dec. 9; Serial No. 199,558; published Sept. 23, 1924.
 Lavy, Chs., & Co., Hamburg, Germany. Rubber sheeting, waterproof materials, rugs, and felt. 192,681; Dec. 9; Serial No. 191,632; published Sept. 23, 1924.
 Lavy, Chs., & Co., Hamburg, Germany. Rubber sheeting, waterproof materials, rugs, and felt. 192,682; Dec. 9; Serial No. 191,327; published Sept. 23, 1924.
 Lease, O. O., doing business as Lease Packing Co., Los Angeles, Calif. Spread for sandwiches. 192,837; Dec. 9.
 Little Red Wagon Mfg. Co., The, Omaha, Neb. Dump wagons. 192,827; Dec. 9.
 Locomotive Firebox Company, Chicago, Ill. Water-circulating elements for locomotive-fire-box boilers. 192,842; Dec. 9.
 Lumo Glo Mfg. Co., (See Bertram, Edward R.)
 M. B. M. Manufacturing Co., Milwaukee, Wis. Power cultivators and lawn mowers. 192,612; Dec. 9; Serial No. 201,201; published Sept. 23, 1924.
 Macaulay, Kathleen E., New York, N. Y. Face and talcum powders. 192,583; Dec. 9; Serial No. 190,644; published Sept. 23, 1924.
 Macy, R. H., & Co., Inc., New York, N. Y. Children's and boys' and girls' shoes. 192,561; Dec. 9; Serial No. 197,948; published Sept. 16, 1924.
 Magic Wypoff Manufacturing Company, (See Lane, John.)
 Maginnis Cotton Mills, (See Benjamin, E. V., Company, Inc.)
 Mallory Hat Company, The, Danbury, Conn. Hats. 192,606; Dec. 9; Serial No. 199,368; published Sept. 9, 1924.
 Mallory Hat Company, The, Danbury, Conn. Hats. 192,607; Dec. 9; Serial No. 199,372; published Sept. 9, 1924.
 Mallory Hat Company, The, Danbury, Conn. Hats. 192,608; Dec. 9; Serial No. 199,376; published Sept. 9, 1924.
 Malouf, Abraham M., New York, N. Y. Garters. 192,558; Dec. 9; Serial No. 197,825; published Sept. 2, 1924.

Malouf, Tamer K., doing business as T. K. Malouf & Co., New York, N. Y. Salted and roasted pistachio nuts. 192,630; Dec. 9; Serial No. 200,052; published Sept. 23, 1924.

Mansfield, Geo. C., Co., The, Milwaukee, Wis. Eggs. 192,818; Dec. 9.

Mardorn Chemical Corporation, New York, N. Y. Pyorrhea medicine and preventive, dentifrice, etc. 192,587; Dec. 9; Serial No. 185,527; published Sept. 23, 1924.

Mardorn Chemical Corporation, New York, N. Y. Mouth wash, gargle, and spray. 192,588; Dec. 9; Serial No. 185,526; published Sept. 23, 1924.

Marshall-Wells Company, Duluth, Minn. Magazine. 192,599; Dec. 9; Serial No. 200,824; published Sept. 16, 1924.

Maynz & Co., New York, N. Y. Brewers' varnish and shellac. 25,555; renewed Nov. 27, 1924.

McCord Radiator & Mfg. Co., Detroit, Mich. Cork gaskets. 192,699; Dec. 9; Serial No. 199,949; published Sept. 23, 1924.

Meaker, C. G., Co., Inc., Auburn, N. Y. Salad dressing. 192,763; Dec. 9; Serial No. 200,053; published Sept. 23, 1924.

Morok, E., Darmstadt, Germany. Preparation for the extermination of ectoparasites on men, animals, and plants. 192,529; Dec. 9; Serial No. 196,668; published Sept. 23, 1924.

Merriam, G. & C. Company, Springfield, Mass. Educational books. 26,273; renewed Mar. 26, 1925.

Morriam, H. W., Shoe Company, The, Newton, N. J. Children's shoes. 192,554; Dec. 9; Serial No. 197,613; published Sept. 16, 1924.

Metropolitan Device Corporation, Brooklyn, N. Y. Rubber tubing. 192,731; Dec. 9; Serial No. 193,721; published May 20, 1924.

Midboro Products Corporation, New York, N. Y. Yeast. 192,641; Dec. 9; Serial No. 199,481; published Sept. 23, 1924.

Miles, Eustace H., London, England. Extract from plant substances. 192,724; Dec. 9; Serial No. 197,104; published Sept. 30, 1924.

Miller & Holmes, St. Paul, Minn. Butter. 192,833; Dec. 9.

Minor, P. W., & Son Inc., Batavia, N. Y. Leather shoes. 192,539; Dec. 9; Serial No. 196,751; published Sept. 2, 1924.

Model Flour Mills, The. (See Colorado Milling & Elevator Company.)

Morice Twine Mills Corporation, New York, N. Y. Twine. 192,762; Dec. 9; Serial No. 200,112; published Sept. 2, 1924.

Naamloze Vennootschap Hollandse Kunstzijde Industrie, Emer, Breda, Netherlands. Artificial silk thread and yarn. 192,532; Dec. 9; Serial No. 195,409; published Aug. 26, 1924.

Naamloze Vennootschap Hollandse Kunstzijde Industrie, Emer, Breda, Netherlands. Artificial silk thread and yarn. 192,774; Dec. 9; Serial No. 195,410; published Sept. 23, 1924.

National Association of Leather Glove and Mitten Manufacturers, Utica, N. Y. Leather gloves. 192,604-5; Dec. 9; Serial Nos. 199,291-2; Sept. 9, 1924.

National Malleable and Steel Castings Company, Cleveland, Ohio. Couplers and parts for couplers for railway vehicles. 192,826; Dec. 9.

Newell & Bro., San Francisco, Calif. Soap. 26,515; renewed May 7, 1925.

New Metropolitan Fiction, Inc., New York, N. Y. Monthly magazine. 192,647; Dec. 9; Serial No. 199,847; published Sept. 16, 1924.

New York & Pennsylvania Company, Chestnut, Pa., and New York, N. Y. Printing and lithographing paper. 192,600-1; Dec. 9; Serial Nos. 200,006-7; published Sept. 16, 1924.

Nobby Cap Company. (See Bob Cap Co.)

No-Leak-O Piston Ring Company, Muskegon, Mich. Piston rings. 192,696; Dec. 9; Serial No. 200,151; published Sept. 23, 1924.

North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Fancy durum flour. 192,722; Dec. 9; Serial No. 197,338; published Sept. 30, 1924.

North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Semolina, a durum-wheat product. 192,725; Dec. 9; Serial No. 195,593; published Sept. 30, 1924.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 192,694; Dec. 9; Serial No. 197,898; published Sept. 16, 1924.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 192,786; Dec. 9; Serial No. 184,358; published Oct. 16, 1923.

Northwest Canning Company, Salem, Oreg. Canned fruits, berries, and vegetables. 192,820-1; Dec. 9.

Nu-Life Food Co. (See Holton, Albert M.)

Oakey, John, & Sons, Limited, London, England. Cleaning and polishing articles and preparations. 26,079-80; renewed Feb. 19, 1925.

Oakley Chemical Company, New York, N. Y. Chemical compound recommended for cleaning, polishing, etc. 192,610-11; Dec. 9; Serial No. 201,069-70; published Sept. 23, 1924.

Osorio, Alfred, Oak Park, Ill. Liquid polishes for floors, automobiles, etc. 192,544; Dec. 9; Serial No. 196,256; published Sept. 23, 1924.

Obermayer, S., Co., The, Chicago, Ill. Fire brick in plastic form. 192,777; Dec. 9; Serial No. 192,491; published Sept. 23, 1924.

Olsen, Andrew, Jr., doing business as Golden Nugget Sweets, San Francisco, Calif. Fudge candy. 192,641; Dec. 9; Serial 172,344; published Sept. 30, 1924.

Pabst Farms, Oconomowoc, Wis., assignor, by mesne assignments, to Pabst Corporation. Cheese. 192,813; Dec. 9.

Palace Hat Co., Inc., The, New York, N. Y. Ladies' hats. 192,533; Dec. 9; Serial No. 197,445; published Sept. 2, 1924.

Pangborn Corporation, Hagerstown, Md. Glue paper. 192,671; Dec. 9; Serial No. 197,340; published Sept. 16, 1924.

Paul, Philip A., New York, N. Y. Cocoa mats. 192,562; Dec. 9; Serial No. 198,323; published Aug. 12, 1924.

Penton, Edward, and Son, London, England. Boots and shoes. 192,534; Dec. 9; Serial No. 197,399; published Sept. 2, 1924.

Perfection Shine Polish Co., Duquoin, Ill. Polish for automobiles and furniture. 192,550; Dec. 9; Serial No. 195,596; published Sept. 23, 1924.

Perrin, V., & Co., Grenoble, France, and New York, N. Y. Leather gloves. 192,676; Dec. 9; Serial No. 194,943; published Sept. 23, 1924.

Phillips-Jones Corporation, New York, N. Y. Silk and silk and cotton piece goods. 192,690; Dec. 9; Serial No. 201,306; published Sept. 23, 1924.

Phillips-Jones Corporation, New York, N. Y. Silk and cotton piece goods. 192,691; Dec. 9; Serial No. 201,306; published Sept. 23, 1924.

Pidgeon, C. T., Millinery Co., Fort Wayne, Ind. Women's hats. 192,553; Dec. 9; Serial No. 197,558; published Sept. 2, 1924.

Pike Richmond Co., The, Cleveland, Ohio. Women's hats. 192,537; Dec. 9; Serial No. 197,299; published Sept. 2, 1924.

Pioneer Products Co., The, Dayton, Ohio. Soap. 192,746; Dec. 9; Serial No. 185,034; published Nov. 13, 1923.

Plummer, A., Newton Corporation, New York, N. Y. Daily news letter. 192,740; Dec. 9; Serial No. 179,622; published Sept. 9, 1924.

Plummer Publications, Inc., New York, N. Y. Weekly newspaper. 192,742; Dec. 9; Serial No. 181,219; published Oct. 7, 1924.

Plumot, Julien, et Cie., Paris, France. Boots and shoes. 192,591; Dec. 9; Serial No. 178,669; published Sept. 16, 1924.

Poll, William, Brooklyn, N. Y. Hats and caps for men. 192,546; Dec. 9; Serial No. 195,715; published Sept. 2, 1924.

Pollack Weeks Company, Inc., New York, N. Y. Swedish health bread. 192,798; Dec. 9; Serial No. 200,828; published Sept. 30, 1924.

Portis Bros. Hat Co., Chicago, Ill. Caps for men and boys. 192,559; Dec. 9; Serial No. 197,903; published Sept. 16, 1924.

Porter, Ada E., doing business as Business Publications Co., New York, N. Y. Magazines. 192,745; Dec. 9; Serial No. 183,990; published Sept. 9, 1924.

Prescott, J. L., Company, New York, N. Y. Shoe dressing. 192,657; Dec. 9; Serial No. 199,801; published Sept. 9, 1924.

Pressed Metal Company, Springdale, Pa. Dispensing apparatus for sugar, salt, and sirup. 192,841; Dec. 9.

Price, Eugene S., doing business as R. & M. Laboratories, Newark, N. J. Soda-mint granules, a medicinal preparation. 192,555; Dec. 9; Serial No. 197,619; published Sept. 23, 1924.

Puritan Dairy, Inc., Perth Amboy, N. J. Fresh milk and cream. 192,723; Dec. 9; Serial No. 197,169; published Sept. 30, 1924.

Quick Action Products Co. (See Terry, Walter A.)

Reiss, Mme. (See Kinsbergen, Rosa.)

Rittenhouse & Sweetland, San Diego, Calif. Chiropactic machines. 192,530-1; Dec. 9; Serial Nos. 196,544-5; published Sept. 23, 1924.

Riverside Poultry Farm. (See Kreis, John A.)

Robb-Ross Co., The, Sioux City, Iowa. Vinegar and peanut butter. 192,789; Dec. 9; Serial No. 181,045; published Sept. 16, 1924.

Rookledge, Percival L., Livingston, Calif. Shoe polish. 192,662; Dec. 9; Serial No. 175,108; published Sept. 9, 1924.

Rosenthal, A. S., Co., Inc., New York, N. Y. Broad silk. 192,692; Dec. 9; Serial No. 201,210; published Sept. 23, 1924.

Rosenthal, Lewis & Ritter, New York, N. Y. Women's undergarments and hosiery. 192,707; Dec. 9; Serial No. 198,688; published Sept. 23, 1924.

Royal Blue Stores, Inc., Chicago, Ill. Canned goods, fruit preserves, edibles, etc. 192,577; Dec. 9; Serial No. 194,487; published Sept. 23, 1924.

Royal Milling Company, Nashville, Tenn. Flour. 192,721; Dec. 9; Serial No. 197,962; published Sept. 23, 1924.

Sauvage Company. (See Hansen, Emil C.)

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 192,780-1; Dec. 9; Serial Nos. 189,531-2; published Sept. 23, 1924.

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 192,782; Dec. 9; Serial No. 189,522; published Sept. 23, 1924.

Schermerhorn Bros. Co., Chicago, Ill. Twine. 192,714; Dec. 9; Serial No. 199,024; published Sept. 2, 1924.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 192,727; Dec. 9; Serial No. 195,192; published Sept. 9, 1924.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports and parts thereof, toe separators and straighteners, etc. 192,520-1; Dec. 9; Serial Nos. 199,257-8; published Sept. 23, 1924.

Schram Glass Manufacturing Co., St. Louis, Mo., and Hillsboro, Ill. Glass fruit jars. 192,700; Dec. 9; Serial No. 199,953; published Sept. 23, 1924.

Schulze, Paul, Biscuit Co., Chicago, Ill. Cookies, cakes, crackers, and biscuits. 192,655; Dec. 9; Serial No. 199,649; published Sept. 30, 1924.

Schulze, Paul, Biscuit Co., Chicago, Ill. Crackers, biscuits, confections, etc. 192,800; Dec. 9; Serial No. 200,968; published Sept. 30, 1924.

Scott Logan Milling Co., Sheldon, Iowa. Wheat flour. 192,796; Dec. 9; Serial No. 200,902; published Sept. 30, 1924.

Scripto Manufacturing Company. (See Atlantic Manufacturing Company.)

Semken, H., & Co., Inc., New York, N. Y. Eggs. 192,799; Dec. 9; Serial No. 200,645; published Sept. 30, 1924.

Shapiro, Louis, & Co., Inc., New York, N. Y. Men's ready-made suits and overcoats. 192,712; Dec. 9; Serial No. 196,768; published Sept. 23, 1924.

Shostak Novelty Co., Inc., New York, N. Y. Children's rompers, pyjamas, sleeping garments, dresses, etc. 192,709; Dec. 9; Serial No. 197,784; published Sept. 23, 1924.

Smith, James P., & Company, New York, N. Y. Olive oil. 192,728; Dec. 9; Serial No. 195,081; published Sept. 30, 1924.

Smith, James P., & Company, New York, N. Y. Capers, mushrooms, canned peas, etc. 192,730; Dec. 9; Serial No. 194,957; published Sept. 30, 1924.

Smith, Kline & French Company, Philadelphia, Pa. Medicine for diseases of the nervous system. 192,540; Dec. 9; Serial No. 196,716; published Sept. 23, 1924.

Smith, W. C., Glove Co., Inc., Gloversville, N. Y. Gloves. 192,589; Dec. 9; Serial No. 182,883; published Sept. 16, 1924.

Sobel Bros., New York, N. Y. Shoes. 192,563-4; Dec. 9; Serial Nos. 198,330-1; published Sept. 16, 1924.

Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Automobiles and parts thereof. 192,646; Dec. 9; Serial No. 199,808; published Sept. 23, 1924.

Société Rodier, Paris, France. Wool, cotton, silk, and mixture piece goods. 192,697; Dec. 9; Serial No. 200,124; published Sept. 23, 1924.

Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 192,748; Dec. 9; Serial No. 185,383; published Sept. 30, 1924.

Speedometer Man, The. (See Bruns, William X.)

Speich, Helen S., as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Oranges. 192,750; Dec. 9; Serial No. 189,277; published Sept. 30, 1924.

Spohr, J., doing business as Industria Chimica Lugano J. Spohr, Pregassona, Switzerland. Ferments made of gastric juice used in cheese making. 192,764; Dec. 9; Serial No. 199,055; published Sept. 30, 1924.

Standard Oil Company of New York, New York, N. Y. Edible oil. 192,744; Dec. 9; Serial No. 182,487; published Oct. 30, 1923.

Standard Oil Company of New York, New York, N. Y. Edible oil. 192,747; Dec. 9; Serial No. 185,321; published Dec. 25, 1923.

Starr Fruit Products Co., Portland, Oreg. Canned fruits, berries, and vegetables, fruit preserves, jams, and jellies. 192,618; Dec. 9; Serial No. 200,906; published Sept. 23, 1924.

State Mill and Elevator. (See North Dakota Mill and Elevator Association.)

Stedman Products Company, South Braintree, Mass. Flooring tiles, wainscoting, stair treads, etc. 192,701-2; Dec. 9; Serial Nos. 199,809-10; published Sept. 23, 1924.

Steel Products Corporation, Sheboygan, Wis. Rumper bars. 192,507; Dec. 9; Serial No. 200,532; published Sept. 23, 1924.

Stern, I., & Co., New York, N. Y. Dental supplies. 192,524; Dec. 9; Serial No. 198,037; published Sept. 23, 1924.

Stetson Shop, The, Pittsburgh, Pa. Leather shoes and boots. 192,570; Dec. 9; Serial No. 198,593; published Sept. 16, 1924.

Stone Shoe Company, The, Cleveland, Ohio. Leather shoes. 192,547; Dec. 9; Serial No. 195,548; published Sept. 16, 1924.

Strong, Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 192,625-9; Dec. 9; Serial Nos. 200,061-5; published Sept. 23, 1924.

Strong, Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 192,698; Dec. 9; Serial No. 200,059; published Sept. 23, 1924.

Strouse, Adler & Co., New Haven, Conn. Corsets and brassiere corsets. 192,599; Dec. 9; Serial No. 199,194; published Sept. 9, 1924.

Sun Rubber Company, The, Barberton, Ohio. Water bottles, fountain syringes, ice caps, etc. 192,614; Dec. 9; Serial No. 201,113; published Sept. 23, 1924.

Sunset Carpet Cleaning & Storage Corporation, New York, N. Y. Cleaning powder. 192,654; Dec. 9; Serial No. 198,725; published Sept. 9, 1924.

Sunset Nut Shelling Company, San Francisco, Calif. Walnuts, almonds, pineapple, etc. 192,688; Dec. 9; Serial No. 125,762; published Sept. 30, 1924.

Swinney Brothers, Limited, Morpeth, England. Coal and oil cooking ranges and stoves. 192,595; Dec. 9; Serial No. 198,428; published Sept. 23, 1924.

Tenko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 192,574; Dec. 9; Serial No. 194,756; published Sept. 16, 1924.

Tenko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 192,575; Dec. 9; Serial No. 194,754; published Sept. 2, 1924.

Terpinas, Mike N., doing business as Terpinas Chemical Company, Frankfurt, Ind. Soap, metal polish, and straw and Panama cleaner. 192,639; Dec. 9; Serial No. 199,404; published Sept. 9, 1924.

Terry, Walter A., doing business as Quick Action Products Co., Bell, Calif. Insecticide and deodorizer. 192,844; Dec. 9.

Touscher, Louis, Jr., St. Louis, Mo. Concentrated barley-malt extract. 192,536; Dec. 9; Serial No. 197,304; published Sept. 23, 1924.

Theatre Guild, Inc., New York, N. Y. Printed books of a series. 192,663; Dec. 9; Serial No. 180,509; published Sept. 9, 1924.

Theatre Guild, Inc., The, New York, N. Y. Printed books of a series. 192,736; Dec. 9; Serial No. 171,393; published Sept. 9, 1924.

Tolerton & Warfield Co., Sioux City, Iowa. Sliced beef, canned soups, tapioca, etc. 192,794; Dec. 9; Serial No. 88,374; published Sept. 16, 1924.

Trotteur Hat Co., New York, N. Y. Women's sport wear. 192,567; Dec. 9; Serial No. 198,545; published Sept. 16, 1924.

Union Iron Works of Los Angeles, Los Angeles, Calif. Materials for building construction. 192,775; Dec. 9; Serial No. 193,688; published Sept. 23, 1924.

Union Tool Company, Torrance, Calif. Oil-well tools and equipment. 192,784; Dec. 9; Serial No. 185,097; published Sept. 23, 1924.

United Rubber and Leather Company, Boston, Mass. Heels and soles. 192,592; Dec. 9; Serial No. 187,888; published Sept. 16, 1924.

U-Profit Cap Manufacturing Co., Inc., New York, N. Y. Caps and hats. 192,568; Dec. 9; Serial No. 198,547; published Sept. 16, 1924.

Vick, Christian, doing business as Excelsior Varnish Works, Cleveland, Ohio. Varnishes, fillers, stains, etc. 192,778; Dec. 9; Serial No. 191,678; published Sept. 23, 1924.

Victor X-Ray Corporation, Chicago, Ill. Highly-sensitized photographic paper. 192,513; Dec. 9; Serial No. 199,867; published Sept. 23, 1924.

Victorinus, A. V., & Co., New York, N. Y. Hosiery. 192,713; Dec. 9; Serial No. 196,143; published Sept. 30, 1924.

Vinatic, Fréjus, Paris, France. Dates. 192,579; Dec. 9; Serial No. 193,558; published Sept. 16, 1924.

Walgreen Co., Chicago, Ill. Photographs. 192,502; Dec. 9; Serial No. 200,024; published Sept. 16, 1924.

Walliser, H. F., Company, Chicago, Ill. Cords. 192,757; Dec. 9; Serial No. 200,592; published Sept. 23, 1924.

Waterproofing, Incorporated, Indianapolis, Ind. Cleaners, dressings, etc., for fabrics, leathers, and other materials. 192,754; Dec. 9; Serial No. 200,837; published Sept. 23, 1924.

Weber, Frank C., & Company, Chicago, Ill. Canned goods, dill pickles, and vanilla. 192,504; Dec. 9; Serial No. 200,129; published Sept. 23, 1924.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Announcement and mailing envelopes. 192,672; Dec. 9; Serial No. 196,722; published Sept. 2, 1924.

Whittlesley, Grant, doing business as Braxoid Co., Buffalo, N. Y. Compound for brake lining. 192,658; Dec. 9; Serial No. 199,815; published Sept. 9, 1924.

Wilson & Co., Inc., of California, Chicago, Ill., and Los Angeles, Calif. Oleomargarine. 192,795; Dec. 9; Serial No. 201,270; published Sept. 30, 1924.

Wilson, J. J., & W., Limited, Kendal, England. Wool goods. 26,191; renewed Mar. 5, 1925.

Woods, J. F., & Co., Shippensburg, Pa. Preparation for removing tar, polishing fenders, lamps, etc. 192,755; Dec. 9; Serial No. 200,737; published Sept. 23, 1924.

Woolley, Daniel P., New York, N. Y. Bread. 192,743; Dec. 9; Serial No. 181,366; published Sept. 30, 1924.

Wrigley, Wm. J., Company, Chicago, Ill. Chewing gum. 192,523; Dec. 9; Serial No. 198,437; published Sept. 23, 1924.

Wyman, Partridge & Co., Minneapolis, Minn. Negligee shirts. 192,838; Dec. 9.

Younans, Arthur C., San Francisco, Calif. Memorandum books. 192,640; Dec. 9; Serial No. 199,412; published Sept. 2, 1924.

Young's, Dr., Food Company. (See Lavitz, Herman.)

Zain, George, doing business as Crocker Pen Mfg. Company, Boston, Mass. Fountain pens and pencils. 192,638; Dec. 9; Serial No. 199,139; published Sept. 2, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Anderson & Jacobs Co. Inc., New York, N. Y. Marionette. For Ladies' Hats. 27,912; Dec. 9.	Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case G (blue). For Match Packs. 27,920; Dec. 9.
Bennett, F. H., Biscuit Company, New York, N. Y. Wheatworth. For Flour. 27,913; Dec. 9.	Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case H (light blue). For Match Packs. 27,921; Dec. 9.
Haram, S. A. & Co. Inc., New York, N. Y. Spisbrud. For Bread. 27,914; Dec. 9.	Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case I (purple). For Match Packs. 27,922; Dec. 9.
Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case B (yellow). For Match Packs. 27,915; Dec. 9.	Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case J (purple). For Match Packs. 27,923; Dec. 9.
Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case C (orange). For Match Packs. 27,916; Dec. 9.	Shellenberger, J. Frank, Company, Philadelphia, Pa. Menth-O-Lic. For Menthol and Licorice Cough Wafers. 27,924; Dec. 9.
Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case D (green). For Match Packs. 27,917; Dec. 9.	Warren Manufacturing Company, The, New York, N. Y. Glassine Purity Pack. For Glassine Paper. 27,925; Dec. 9.
Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case E (black). For Match Packs. 27,918; Dec. 9.	Young, Chas. W. & Co., Philadelphia, Pa. Young's Soap Chips. For Soap Chips. 27,926; Dec. 9.
Kay & Ellinger, Inc., New York, N. Y. Monogram Match Packs Case F (silver). For Match Packs. 27,919; Dec. 9.	Young, Chas. W. & Co., Philadelphia, Pa. Young's Pearl Borax Soap Chips. For Soap Chips. 27,927; Dec. 9.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

California Peach & Fig Growers, Fresno, Calif. California Fig Brand. For Bread. 7,601; Dec. 9.	Scheldt, Adam, Brewing Co., Norristown, Pa. As Good As It Looks. For Nonalcoholic Cereal Beverages. 7,602; Dec. 9.
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ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Advance Automobile Accessories Corp., Chicago, Ill. Radio receiving sets and parts thereof. 202,430; Dec. 9.	Blo-Dry, Inc., New York, N. Y. Dry-air blowers and driers for lavatories, etc., hair driers, face-massage driers, and face driers. 200,845; Dec. 9.
Aerovox Wireless Corporation, The, New York, N. Y. Radio resistance-coupled amplifying units. 198,927; Dec. 9.	Bologna, A. & Company, New Orleans, La. Olive oil. 200,805; Dec. 9.
Azuma Mahogany & Timber Company, Boston, Mass. Mahogany timber and lumber. 201,943; Dec. 9.	Bradley, Smith Co., The, New Haven, Conn. Candy. 203,715; Dec. 9.
Alfocorn, Milling Company, St. Louis, Mo. Feeds. 202,194; Dec. 9.	Bransky & Harris, doing business as The B. & H. Pharmaceutical Co., Norfolk, Va. Medicines. 203,252; Dec. 9.
Allen-Spiegel Shoe Mfg. Co., Belgium, Wis. Shoes, in-soles, and outer soles. 202,847; Dec. 9.	Brimman Engineering Company, The, Dayton, Ohio. Toy telephones. 203,107; Dec. 9.
Allied Chemical Co. (See Jenkins, Jeffrey.)	Burdwise, Aaron, Baltimore, Md. Clarinets, cornets, saxophones, violins, etc. 196,230; Dec. 9.
Alves, Alvin R., Lockhart, Tex. Seed. 202,234; Dec. 9.	California Co-Operative Canneries, San Francisco, Calif. Canned fruits and vegetables. 191,872; Dec. 9.
American Hard Rubber Company, Hempstead and New York, N. Y. Radio horns. 203,018; Dec. 9.	Cannon, Jacob H., doing business as J. C. Cannon & Co., San Antonio, Tex. Tooth powder. 185,561; Dec. 9.
Amplifex Radio Corporation, Arlington, Mass. Radio receiving sets, parts thereof, and loop antennae therefor. 201,643; Dec. 9.	Capes-Viscose, Inc., Delaware, N. J. Viscose caps for bottles and similar packages. 191,527; Dec. 9.
Apfel, Oscar C., Los Angeles, Calif. Cleaning fluid. 203,294; Dec. 9.	Capitol Machine Co. Inc., New York, N. Y. Projectors. 202,278; Dec. 9.
Arabad Mfg. Co., The, New York, N. Y. Adhesives. 198,215; Dec. 9.	Carter, Ralph B., Company, New York, N. Y. Pumps and parts thereof, internal-combustion engines and parts thereof. 203,223; Dec. 9.
Arnold Chemical Co., The. (See Onnen, Adolph C.)	Catamount Mfg. Co., Inc., Bennington, Vt. Children's taped waist and bloomer union suits. 202,162; Dec. 9.
Art Silk Knitting Mills, West New York, N. J. Dresses. 186,623; Dec. 9.	Chamberlin Electric Co. Inc., New York, N. Y. Radio receiving sets and parts thereof. 202,794; Dec. 9.
Art Stucco Company, Pittsburgh, Pa. Magnesite stucco or oxychloride cement. 196,224; Dec. 9.	Champlon, C. V. & Company, Danville, Ill. Electric hot plates. 197,583; Dec. 9.
Andiphone Company of America, New York, N. Y. Electrical polystation loud-speaking telephone systems, receivers for same, etc. 181,052; Dec. 9.	Chenlet Soeurs, Inc., New York, N. Y. Robes, lingerie, capes, and blouses. 203,510; Dec. 9.
Auto Truck Equipment Company, Pittsburgh, Pa. Cabs, trucks, vans, bodies, stakes, covers, and sideboards. 187,241; Dec. 9.	Citizens' Wholesale Supply Company, The, Columbus, Ohio. Prepared pancake flour. 204,157; Dec. 9.
B. & B. Laboratories, The, Brooklyn, N. Y. Metal polish. 203,710; Dec. 9.	Clark, Elton, doing business as Sentinel Pine Orchards, Shoreham, Vt. Raw apples. 188,181; Dec. 9.
B. & H. Pharmaceutical Co., The. (See Bransky & Harris.)	Clark, Fred G., Company, The, Cleveland, Ohio. Lubricating oils and greases. 185,811; Dec. 9.
Baker, J., Harve, Portales, N. Mex. Foot powder. 203,249; Dec. 9.	Cobb, Charles H., doing business as The Western Hanger Company, San Francisco, Calif. Heating-system radiator hangers. 203,256; Dec. 9.
Bamberger, L. & Company, Newark, N. J. Chinaware, pottery, crockery, porcelain. 204,298; Dec. 9.	Colgate & Company, Jersey City, N. J. Powder perfumes, face powder, rouge, and compacts. 188,787; Dec. 9.
Baron Bros. Millinery Company, Dallas, Tex. Hats for women and children. 202,573; Dec. 9.	Colgate & Company, Jersey City, N. J. Face powder and rouge in compact form. 200,478; Dec. 9.
Belflex Corp., The, New York, N. Y. Flexible supporting members for parts of automotive vehicles. 204,256; Dec. 9.	Columbia Mills, Incorporated, The, New York, N. Y. Paint colors, pigments, and ready-mixed paints. 199,823; Dec. 9.
Biddick, Walter W., Los Angeles, Calif. Valve-grinding compound. 204,153; Dec. 9.	Columbia Mills, Incorporated, The, New York, N. Y. Paint colors, pigments, and ready-mixed paints. 199,879-80; Dec. 9.
Biddick, Walter W., Inc., Los Angeles, Calif. Radio products. 201,531; Dec. 9.	
Bika Co., The, Bedford, Pa. Depilatory. 202,767; Dec. 9.	
	Columbus Vending Company, The, Columbus, Ohio. Mending machines. 200,013; Dec. 9.
	Contra Electric Iron Company, The, Glen Ridge, N. J. Electrically-heated flatiron. 203,228; Dec. 9.
	Consolidated Chemical Works, Inc., New York, N. Y. Preserving liquid for polishes on metal. 203,559; Dec. 9.
	Danziger-Jones, Inc., New York, N. Y. Coupling and grid-leak resistances. 202,612; Dec. 9.
	Danziger-Jones, Inc., New York, N. Y. Fixed condenser units for radio receiving circuits. 202,613; Dec. 9.
	Debnam, Geo. R., Jr., doing business as Gln-Gln Manufacturing Co., Baltimore, Md. Beverage stimulating ginger ale and gin. 202,694; Dec. 9.
	Deep Sea Canning Co. (See Mashburn, Ulmer J.)
	Dento Products Co. (See Lawrence, William F.)
	Driesen, Meyer & Oronsky, New York, N. Y. Men's and boys' outer suits and overcoats. 203,302; Dec. 9.
	Dryden Company. (See Miner, Frederick O.)
	Duckworth & Co., Honolulu, Hawaii, and Los Angeles, Calif. Canned pineapple. 204,018; Dec. 9.
	Dunham, Carrigan & Hayden Co., San Francisco, Calif. Sheet steel and iron. 203,168; Dec. 9.
	Edgerton, E. O., doing business as Martin Street Pharmacy, Raleigh, N. C. Liver pills. 203,459; Dec. 9.
	Edmund & Snyder, Fullerton, La. Half-growing preparation. 200,387; Dec. 9.
	Edwards, Louis F., doing business as The Metropolitan Refining Company, New York, N. Y. Chemical composition. 204,357; Dec. 9.
	Elchler, Carl P., doing business as The Elchler Floral Co., Rocky River, Ohio. Everlasting natural flowers. 202,745; Dec. 9.
	Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Meat choppers, coffee mills, fruit presses, etc. 203,029; Dec. 9.
	Eston Manufacturing Co., Birmingham, Ala. Preparation for the hair. 202,774; Dec. 9.
	Eugene Fruit Growers Association, Eugene, Oreg. Canned berries, fruits, and vegetables. 203,799; Dec. 9.
	Exeter Fruit Association, Exeter, Calif. Fresh grapes. 203,726-7; Dec. 9.
	Fac-Try-Lyk Paint Company, New Orleans, La. Quick-drying ready-mixed wet paint for metal products. 191,680; Dec. 9.
	Fairbanks, E. and T., and Company, St. Johnsbury, Vt., and East Moline, Ill. Test weights. 203,303; Dec. 9.
	Fairmont Railway Motors, Inc., Fairmont, Minn. Gasoline and hand-car engines. 193,911; Dec. 9.
	Falls City Mills Company, The, Louisville, Ky. Motor suits and unionalls. 199,157; Dec. 9.
	Falls City Mills Company, The, Louisville, Ky. Overalls. 202,247; Dec. 9.
	Feldman, S. Wehman, Baltimore, Md. Work shirts. 203,405; Dec. 9.
	Field Packing Company, Owensboro, Ky. Lard and butter. 141,677; Dec. 9.
	Fisher Bros. Paper Company, Fort Wayne, Ind. Articles made wholly or in part of paper, pens, and pencils. 200,877; Dec. 9.
	Fleming, Harry P., doing business as Fleming Chemical Co., Uniontown, Pa. Roach and insect powder. 203,728; Dec. 9.
	Foot, Schulze & Co., St. Paul, Minn. Children's shoes. 202,622; Dec. 9.
	Frank Tea & Spice Co., The, Cincinnati, Ohio. Dried red peppers. 203,805-6; Dec. 9.
	Friedman Brothers, Chicago, Ill. Finger rings. 203,374; Dec. 9.
	Fritz, George, doing business as George Fritz Manufacturing Company, Cincinnati, Ohio. Bins for nuts and bolts. 203,076; Dec. 9.
	Fuller Brush Company, The, Hartford, Conn. Furniture polish. 203,116; Dec. 9.
	Garon, Julius, doing business as Julgar Watch Company and Julgar Company, Duluth, Minn. Watches and clocks. 201,083; Dec. 9.
	Gearhart Knitting Machine Company, Clearfield, Pa. Children's sport hose. 203,309-10; Dec. 9.
	Gln-Gln Manufacturing Co. (See Lebnam, Geo. R., Jr.)
	Globe P. C. Mfg. Co. (See Siller, Alexander.)
	Goldman's, S. Sons, Philadelphia, Pa. Leather and fabric shoes. 203,566; Dec. 9.
	Goldschmidt Corporation, The, New York, N. Y. Radio-telephone head sets, radio receiving sets, transformers, etc. 200,488; Dec. 9.
	Graham, Edward A., doing business as Alfred Graham & Co., London, England. Loud-speaking telephonic receivers. 195,445; Dec. 9.
	Greek National Opera Records Co. Inc., New York, N. Y. Phonograph records. 203,235; Dec. 9.
	Haas Brothers, San Francisco, Calif. Canned fruits and canned vegetables. 203,730; Dec. 9.
	Halpern, M. M., Inc., Springfield, Mass. Men's and boys' suits, overcoats, dress shirts, etc. 202,556; Dec. 9.
	Hatz, Ervin M., doing business as Valley Forge Knitting Mills, Norristown, Pa. Hosiery, underwear, and sweaters. 202,701; Dec. 9.
	Health-Tex Products Corporation, Chicago, Ill. Sanitary belt. 201,749; Dec. 9.
	Hocht, Alexander S., New York, N. Y. Radio supplies and wireless equipment. 202,663; Dec. 9.
	Henderson Laboratories. (See Hofeller, Robert.)
	Henry, Lemmie L., doing business as Hum Laboratories Co., Atlanta, Ga. Remedy for indigestion, etc. 204,232; Dec. 9.
	Hercules Chemical Co. Inc., Philadelphia, Pa. Sprays, insecticides, disinfectants, and deodorants. 197,541; Dec. 9.
	Hickey-Freeman Company, Rochester, N. Y. Men's suits. 203,177; Dec. 9.
	Hill and Loper Company, Incorporated, The, Danbury, Conn. Hats. 203,679; Dec. 9.
	Hilsylvania Coal Company, The, Columbus, Ohio. Coal. 203,570; Dec. 9.
	Hofeller, Robert, doing business as Henderson Laboratories, Chicago, Ill. Medicinal preparation. 203,274; Dec. 9.
	Hollow Ball Company, Incorporated, Baltimore, Md. Metal balls used in bearings. 203,680; Dec. 9.
	Homan-Hughes Company, The, Cincinnati, Ohio. Ladies' shoes, slippers, and boots. 203,315; Dec. 9.
	Hooper, Wm. E. & Sons Co., Woodberry, Baltimore, Md. Textile fabrics of cotton. 201,500; Dec. 9.
	Hudnut, Richard, New York, N. Y. Skin and tissue cream, talc, face powder, etc. 201,750; Dec. 9.
	Hudson & Company, Holley, N. Y. Canned fruits, berries, and vegetables. 202,502; Dec. 9.
	Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 187,000; Dec. 9.
	Hulley, Harry R., doing business as The Sunrise Health Salts Company, Bangor, Me. Effervescent salts. 203,470; Dec. 9.
	Hum Laboratories Co. (See Henry, Lemmie L.)
	Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 200,447; Dec. 9.
	Huron Milling Company, Harbor Beach, Mich. Gums, sizings, and pastes. 198,746; Dec. 9.
	Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Plates, cups, saucers, pots, pans, etc. 167,634; Dec. 9.
	Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Knives, forks, and spoons of base metal. 167,635; Dec. 9.
	Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Paper napkins, doilies, and tablecloths. 167,639; Dec. 9.
	International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 203,416-8; Dec. 9.
	Ireland Brothers, Johnstown and New York, N. Y. Soap. 204,402; Dec. 9.
	Jacobs, James N., doing business as The James Company, Minneapolis, Minn. Female clothing. 202,574; Dec. 9.
	Jacobs & Sacks, New York, N. Y. Furs. 203,213; Dec. 9.
	James Company, The. (See Jacobs, James N.)
	Jenkins, Jeffrey, doing business as Allied Chemical Co., Pittsburgh, Pa. Hair tonic. 203,955; Dec. 9.
	Jenkins, Ross H., Oakland, Calif. Cleaning composition. 203,954; Dec. 9.
	Johns, John, Gloversville, N. Y. Leather skins. 204,098; Dec. 9.
	Johnson, C. D., Lumber Company, Portland, Oreg. Lumber. 204,097; Dec. 9.
	Johnson's Bay Canning Company, Lubec, Me. Canned sardines. 198,641; Dec. 9.
	Julgar Company. (See Garon, Julius.)
	Julgar Watch Company. (See Garon, Julius.)
	Juvenile Wood Products, Inc. (See Van Arman Manufacturing Company.)
	Kane, Daniel H., Dayton, Ohio. Gold-washed collar buttons. 193,523; Dec. 9.
	Katz & Ogush, Inc., New York, N. Y. Platinum, gold, and silver and combinations, and platinum, gold, and silver solder. 203,419; Dec. 9.
	Kayser, Julius & Co., New York, N. Y. Fabric gloves, underwear, and hosiery. 200,321; Dec. 9.
	Keeton Oil Company, The, Stockton, Kans. Motor fuel and lubricating oils. 196,595; Dec. 9.
	Kinz Wholesale Drug Company, Helena, Ark. Medicinal tonic particularly for women. 202,872; Dec. 9.
	Klipstein, A., and Company, Woodbridge, N. J., and New York, N. Y. Synthetic gum. 199,065; Dec. 9.
	Korfund Company, The, New York, N. Y. Suberous insulating sound-deadening material. 196,309; Dec. 9.
	Kruger, Paul W., doing business as Paul W. Kruger & Co., Boyett, Miss. Dental filling materials. 186,712-15; Dec. 9.
	L. T. N. Manufacturing & Development System, The, Platteville, Colo. Burners and gas-burning appliances for internal-combustion engines. 202,510; Dec. 9.
	Landsberger, Leonore K., New York, N. Y. Form-fitting garment used as a weight or girth reducer. 203,422; Dec. 9.
	Lauter, Leon, doing business as Lauter & Co., New York, N. Y. Watches, watch movements, and parts thereof and watchcases. 203,187; Dec. 9.
	Lawrenz, William F., doing business as Dento Products Co., Long Beach, Calif. Tooth paste and powder, preparation for treating skin infections, and mouth wash. 203,475; Dec. 9.

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Leathers, A. H., doing business as A. H. Leathers Manufacturing Company, Dickson, Tenn. Baseball bats. 199,233; Dec. 9.
 Lefkowitz & Pitofsky Inc., New York, N. Y. Coats. 202,400; Dec. 9.
 Legrand, Oriza L. (See Schuhl, Armand, assignor.)
 Lenthier, Inc., New York, N. Y. Toilet preparations. 203,378; Dec. 9.
 Levy, Jack M., New York, N. Y. Bandeaux. 196,462; Dec. 9.
 Lipson & Adelson, New York, N. Y. Dresses. 203,379; Dec. 9.
 Loft, Inc., New York, N. Y. Candies. 203,960; Dec. 9.
 Lutton, William H., Company, Jersey City, N. J. Greenhouses. 185,872; Dec. 9.
 Majo Manufacturing Company. (See Reville, Nicholas A.)
 Manitou Mineral Water Company, The, Manitou, Colo. Beverage sold as a soft drink. 203,883; Dec. 9.
 Manning Manufacturing Company, Rutland, Vt. Vat pasteurizers, tubewarmers, cheese vats, etc. 149,343; Dec. 9.
 Marshall Electric Company, St. Louis, Mo. Electric controlling devices. 202,632; Dec. 9.
 Martin Street Pharmacy. (See Edgerton, E. O.)
 Mashburn, Ulmer J., doing business as Deep Sea Canning Co., Anna Maria Island, Fla. Fish chowder. 199,711; Dec. 9.
 Matton, Andrew, Fresno, Calif. Fresh and dried fruits. 202,828; Dec. 9.
 Mayer, Max, & Sons Co., Inc., New York, N. Y. Knitted sweaters, vests, and jackets. 190,024; Dec. 9.
 Merck, E., Darmstadt, Germany. Preparation used as an anthelmintic. 203,830; Dec. 9.
 Metropolitan Refining Company, The. (See Edwards, Louis F.)
 Milnor, Inc., Los Angeles, Pasadena, Beverly Hills, and Long Beach, Calif., and Honolulu, Hawaii. Precious and semiprecious stones and gems, jewel articles of mounted beads, and jewelry. 202,175; Dec. 9.
 Miner, Frederick O., doing business as Dryad Company, Crafton, Pa. Remedy for diseased trees and shrubbery. 186,889; Dec. 9.
 Minnesota Crosby Corn Exchange, Minneapolis, Minn. Canned vegetables. 202,412; Dec. 9.
 Moe-Bridges Company, Milwaukee, Wis. Electric-lighting fixtures. 186,325; Dec. 9.
 Monarch Leather Company, Chicago, Ill. Leather. 203,482; Dec. 9.
 Monarch Leather Company, Chicago, Ill. Leather. 204,180; Dec. 9.
 Morley-Murphy Hardware Company, Green Bay, Wis. Fish lines, hooks, and artificial fish lures. 203,530; Dec. 9.
 Moschel's, Jacob, Sons Inc., Buffalo, N. Y. Ham and bacon. 201,300; Dec. 9.
 Munsell, J. Guy, doing business as Munsell's School of Health and as Munsell's Mineral Food Company, Lincoln, Neb. Tonics for the blood stream, cells, and tissues. 203,383; Dec. 9.
 Munter, Charles, New York, N. Y. Corsets, shoulder braces, and men's underwear. 202,595; Dec. 9.
 Muskin Shoe Company, Baltimore, Md. Boots and shoes. 196,925; Dec. 9.
 Neuerburg, Haus, o. H. G., Trier, Germany. Leaf tobacco, smoking and chewing tobacco, snuff, etc. 201,446; Dec. 9.
 New Britain Machine Co., The, New Britain, Conn. Metal shop furniture. 199,485; Dec. 9.
 New Britain Machine Co., The, New Britain, Conn. Screw, chucking, and mortising machines, mortising chains, etc. 199,486; Dec. 9.
 New Britain Machine Co., The, New Britain, Conn. Metal shop furniture. 199,487; Dec. 9.
 New Britain Machine Co., The, New Britain, Conn. Screw, chucking, and mortising machines, mortising chains, etc. 199,488; Dec. 9.
 New England Fish Co., Boston, Mass. Canned salmon. 183,534; Dec. 9.
 New Haven Clock Co., The, New Haven, Conn. Clocks and watches. 202,299; Dec. 9.
 Nichol, H. G., doing business as H. G. Nichol Mfg. Co., Nashville, Tenn. Pants, trousers, riding pants, jumpers, etc. 202,314; Dec. 9.
 Northam Warren Corporation, New York, N. Y. Cuticle removers, nail white, and nail polish. 203,832; Dec. 9.
 Northwestern Expanded Metal Company, Chicago, Ill. Expanded-metal lath. 192,264-5; Dec. 9.
 Nouvelle Savonnerie La Vierge Anciennes Usines Felix Eydoux, Marseille, France. Soaps of all kinds. 184,417; Dec. 9.
 Nunnally Company, The, Atlanta, Ga. Candy. 203,744; Dec. 9.
 Obermayer, S. Co., The, Chicago, Ill. Plumbago. 184,693; Dec. 9.
 Olefin, L. & Co., Inc., Norwalk, Conn., and New York, N. Y. Ladies' and misses' dresses. 202,138; Dec. 9.
 Olson, Edward, doing business as Vetterlin Company, Brooklyn, N. Y. Antiseptic and healing compound for sores, bruises, etc. 201,713; Dec. 9.

Onnen, Adolph C., doing business as The Armol Chemical Co., Baltimore, Md. Preparation for the treatment of colds, grippe, etc. 201,009; Dec. 9.
 Onyx Oil & Chemical Co., Jersey City, N. J. Size for producing a finish, giving body and hand, and for use as a filler for silk, wool, cotton, and other fabrics. 203,426-7; Dec. 9.
 Orr, J. K., Shoe Company, Atlanta, Ga. Shoes. 200,370; Dec. 9.
 Pacific North West Canning Co., Puyallup, Wash. Canned fruit and berries. 203,893-6; Dec. 9.
 Pacific North West Canning Co., Puyallup, Wash. Canned fruit and berries. 203,898-900; Dec. 9.
 Panza, Eugene, doing business as The Pop-Ple Company, Springfield, Mass. Chocolate-coated popcorn. 202,677; Dec. 9.
 Payne Manufacturing Company, Brooklyn N. Y. Manicure instruments. 193,121; Dec. 9.
 Pedoux Produx Company. (See Schwarzschild, Harry.)
 Peerless Radio Corporation, Chicago, Ill. Radio receiving sets and radio parts. 202,141; Dec. 9.
 Perry Coal Company, Inc., St. Louis, Mo. Coal. 204,325; Dec. 9.
 Pfaustrahl Radio Service Company, Highland Park, Ill. radiofrequency transformers. 203,194; Dec. 9.
 Phalen, Joseph S., Minneapolis, Minn. Candy. 203,971; Dec. 9.
 Pletzuch Wonder Arch Guide Heel Company, The, Cincinnati, Ohio. Rubber and composition heels for footwear. 184,514; Dec. 9.
 Pioneer Paper Company, Los Angeles, Calif. Roofings, building papers, insulating papers, etc. 203,198; Dec. 9.
 Pioneer Products Company, The, Dayton, Ohio. Soap. 186,611; Dec. 9.
 Pollette Corsets, Inc., New York, N. Y. Corsets, girdles, brassieres, and combination garments. 196,278; Dec. 9.
 Pop-Ple Company, The. (See Panza, Eugene.)
 Power-Kearny Market Co., Inc., The, Washington, D. C. Eggs, dried beef, breakfast bacon. 160,204; Dec. 9.
 Premier Electric Company, Chicago, Ill. Radiotransformers. 187,535; Dec. 9.
 Press, Williams H., Jersey City, N. J. Radio receiving sets and parts thereof. 202,758; Dec. 9.
 Propper Silk Hosiery Mills, Inc., New York, N. Y. Women's hosiery. 185,839; Dec. 9.
 Protane Corporation, Erie, Pa. Liquid hydrocarbon fuel. 202,356; Dec. 9.
 Puritan Laboratories, The, Nashville, Tenn. Tonic specially adapted for use as a mild laxative. 185,264; Dec. 9.
 Puritan Tuttle Coal Co. Inc., Columbus, Ohio. Coal. 198,675; Dec. 9.
 Quinn & Potter, Gallant, Ala. Cancer salve, healing salve, and ointment. 185,494; Dec. 9.
 Ram Metal Products Co., Inc., New York, N. Y. Household articles. 198,422; Dec. 9.
 Redox Paper Products Inc., New York, N. Y. Dress dividers. 200,581; Dec. 9.
 Regina Corporation, The, Rahway, N. J. Saws. 203,748; Dec. 9.
 Reville, Nicholas A., doing business as Majo Manufacturing Company, Chicago, Ill. Varnish and paint remover. 204,197; Dec. 9.
 Rosenberg Bros. & Co., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 202,145; Dec. 9.
 Sa-Fac Company, The. (See Weygand, Oscar R.)
 Salt's Textile Company, Inc., New York, N. Y. Coats, cloaks, wraps, capes, etc. 203,596; Dec. 9.
 Samfred Drug Company. (See Silber, Samuel.)
 Sanders, John B., doing business as Woodmansee Ink Mfg. Co., Cincinnati, Ohio. Writing ink. 193,628; Dec. 9.
 Sandhaus, Abraham E., doing business as The Sandy Ann Co., Kansas City, Mo. Chocolate confection used in coating ice cream. 204,478; Dec. 9.
 Santiago Orange Growers Association, Orange, Calif. Oranges. 203,842; Dec. 9.
 Sattels, Joseph T., doing business as Uncle Sam Electric Company, Plainfield, N. J. Radio receiving sets and parts thereof. 202,566; Dec. 9.
 Schmidt, R. G., doing business as Schmidt Canning Company, San Benito, Tex. Canned vegetables. 202,717; Dec. 9.
 Schuhl, Armand, doing business as Oriza L. Legrand, Paris, France. Perfumes, toilet water, face powder, etc. 199,187; Dec. 9.
 Schwarzschild, Harry, doing business as Pedoux Produx Company, New York, N. Y. Cleaners, dressings, creams, and polishes for footwear. 203,754; Dec. 9.
 Seabury & Johnson, East Orange, N. J., and New York, N. Y. Adhesive plasters. 204,248-9; Dec. 9.
 Selig Company, The, Atlanta, Ga. Insecticide. 202,267; Dec. 9.
 Sentinel Pine Orchards. (See Clark, Elton.)
 Sexton, John, and Company, Chicago, Ill. Ready-mixed paint and varnish. 187,777; Dec. 9.
 Shipley, Robert M., Wichita, Kans. Watches. 195,419; Dec. 9.
 Silber, Samuel, doing business as Samfred Drug Company, New York, N. Y. Cough medicine. 190,557; Dec. 9.

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Silberstein, J. D. & Sons, Inc., New York, N. Y. Dress, negligee, and work shirts. 202,681; Dec. 9.
 Siller, Alexander, doing business as A. Siller P. C. Mfg. Co. and Globe P. C. Mfg. Co., New York, N. Y. Sheets and pillowcases. 201,105; Dec. 9.
 Silvester, Willis H., doing business as Vacuum Pulley Covering Company, Newark, N. J. Pulley covering. 201,983; Dec. 9.
 Sleeper Radio Corporation, New York, N. Y. Electric-current transformers. 203,095; Dec. 9.
 Smith-Alsop Paint and Varnish Company, Terre Haute, Ind. Wood filler, enamels, paints, and varnishes. 204,202; Dec. 9.
 Smith, Geo. H., Steel Casting Company, Milwaukee, Wis. Crawler attachments for tractors. 202,147; Dec. 9.
 Sneltenburg Clothing Company, The, Philadelphia, Pa. Men's lightweight overcoat. 197,054; Dec. 9.
 Snyder Packing Co., Inc., Los Angeles, Calif. Fresh fruits, cantaloupes, and vegetables. 202,308; Dec. 9.
 Società Preparati Casali, Rome, Italy. Remedy for arteriosclerosis, anemia, etc. 201,055; Dec. 9.
 Società Preparati Casali, Rome, Italy. Remedy for disease of the bronchi and the lung. 201,056; Dec. 9.
 Società Preparati Casali, Rome, Italy. Remedy for pulmonary tuberculosis, etc. 201,057; Dec. 9.
 Solidoil Products Co., Inc., The, New York, N. Y. Cleanser for laundering linen, etc. 204,203; Dec. 9.
 Sonora, Inc., New York, N. Y. Talking machines and phonographs. 183,948; Dec. 9.
 Stebler Parker Co., Riverside, Calif. Fruit-packing-house machinery. 202,151; Dec. 9.
 Steinberger Bros. Lobl Co. Inc., New York, N. Y. Gloves. 178,776-7; Dec. 9.
 Strong, Howat & Co., Inc., New York, N. Y. Woolen piece goods. 203,343; Dec. 9.
 Sturdy's, J. P., Sons Company, Attleboro Falls, Mass. Bracelets and chains. 203,490; Dec. 9.
 Sunrise Health Salts Company, The. (See Hulley, Harry R.)
 Superior Paint Corp., Los Angeles, Calif. Paints, varnishes, enamels, etc. 204,485; Dec. 9.
 Tanenhaus Bros. Inc., New York, N. Y. Men's suits. 201,382; Dec. 9.
 Tecla, M., & Co., assignor to The Tecla, New York, N. Y. Pearls and precious stones and jewelry. 169,192; Dec. 9.
 Teichgraber, Theodor, Aktiengesellschaft, Berlin, Germany. Preparation for the treatment of skin diseases. 195,842; Dec. 9.
 Teichgraber, Theodor, Aktiengesellschaft, Berlin, Germany. Preparation for the treatment of gonorrhea. 195,843; Dec. 9.
 Toch Brothers, Incorporated, New York, N. Y. Driers for paints and Japan driers. 203,014; Dec. 9.
 Toch Brothers, Incorporated, New York, N. Y. Oil-soluble colors, paints, varnishes, etc. 203,059; Dec. 9.
 Toch Brothers, Incorporated, New York, N. Y. Driers for paints and Japan driers. 203,243; Dec. 9.
 Toch Brothers, Incorporated, New York, N. Y. Soluble dyestuffs and dye intermediates. 204,335; Dec. 9.
 Unburnable Products Company. (See Wineburgh, Abraham.)
 Uncle Sam Electric Company. (See Sattels, Joseph T.)

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 202,084; Dec. 9.
 Union Grocery Company, Vidalia, Ga. Self-rising wheat flour. 204,128; Dec. 9.
 Union Grocery Company, Vidalia, Ga. Self-rising flour. 204,129; Dec. 9.
 Union Grocery Company, Vidalia, Ga. Self-rising flour. 204,132; Dec. 9.
 United States Radium Corporation, New York, N. Y. House numbers, door knobs and knockers, screws, etc. 203,353; Dec. 9.
 Vacuum Pulley Covering Company. (See Silvester, Willis H.)
 Valley Forge Knitting Mills. (See Hatz, Ervin M.)
 Van Arman Manufacturing Company, doing business as Juvenile Wood Products, Inc., assignor to Juvenile Wood Products, Inc., Fort Wayne, Ind. Water-closet seats for infants. 203,248; Dec. 9.
 Vernis Claessens S. A. Anct. Claessens Frères & Co., Antwerp, Belgium. Paints, varnishes, and paint enamels. 199,266-7; Dec. 9.
 Vetterlin Company. (See Olson, Edward.)
 Victorius, A. V., & Co., New York, N. Y. Hosiery. 194,034; Dec. 9.
 Wayne County Produce Co., The, Greenpoint, Brooklyn, N. Y. Cider. 201,214; Dec. 9.
 Welch, Holme & Clark Company, Newark, N. J., and New York, N. Y. Tallow for use in manufacturing soap. 200,918; Dec. 9.
 Wells, Iverson C., & Son, Chicago, Ill. Tuning units, condensers, radio-set kits, etc. 199,730; Dec. 9.
 Wells, W. A. H., Co., Inc., Providence, R. I. Chains and chain links, bracelets, cuff links, etc. 201,633; Dec. 9.
 Wertheimer Brothers Ribbons, Inc., New York, N. Y. Woven-wire gauze. 202,425; Dec. 9.
 Western Hanger Company, The. (See Cobb, Charles H.)
 Western Safety Mfg. Co. Inc., San Francisco, Calif. Electrical switches, electrical safety switches, and switch boxes, etc. 201,420; Dec. 9.
 Weygand, Oscar R., doing business as The Sa-Fac Company, Chicago, Ill. Medicinal preparation for cleansing the tongue and mouth. 202,783; Dec. 9.
 Whitney-Roth Shoe Co., The, Cleveland, Ohio. Boots, shoes, and slippers. 202,731; Dec. 9.
 Willson Goggles, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. 203,357; Dec. 9.
 Wineburgh, Abraham, doing business as Unburnable Products Company, New York, N. Y. Cleaning fluid. 204,138; Dec. 9.
 Winkler, Carl W., Inc., Palm Beach, Fla. Electrical automobile headlights. 201,271; Dec. 9.
 Wise, Leo, Cincinnati, Ohio. Electrical apparatus for automobiles and like vehicles. 202,270; Dec. 9.
 Woodmansee Ink Mfg. Co. (See Sanders, John B.)
 Woolley, Daniel P., New York, N. Y. Bread. 204,428; Dec. 9.
 Wyman, Partridge & Co., Minneapolis, Minn. Jackets. 202,655-6; Dec. 9.
 Young, William H., Manufacturing Company, Paterson, N. J. Oil gauges for automobiles. 199,872; Dec. 9.
 Zonite Products Company, New York, N. Y. Antiseptic, germ destroyer, disinfectant, deodorant, and bleach. 202,367; Dec. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.
 Coal. Central Lumber & Coal Company. 192,511; Dec. 9; Serial No. 201,740; published Sept. 30, 1924.
 CLASS 2.
 Boxes, Candy. F. F. Hamilton. 192,751; Dec. 9; Serial No. 190,783; published June 17, 1924.
 Cans. Oil. Beck Manufacturing Co. 192,597; Dec. 9; Serial No. 198,981; published Sept. 23, 1924.
 Dispensing apparatus for sugar, salt, and sirup. Pressed Metal Company. 192,841; Dec. 9.
 CLASS 4.
 Brake lining. Compound for. G. Whittlesey. 192,658; Dec. 9; Serial No. 199,815; published Sept. 9, 1924.
 Burnishing compounds. Kent-Moore Organization. 192,801; Dec. 9; Serial No. 200,264; published Sept. 9, 1924.
 Cleaner and polisher for wood, metal, or cloth. F. Daniels. 192,749; Dec. 9; Serial No. 185,569; published Aug. 26, 1924.
 Cleaners, dressings, etc., for fabrics, leathers, and other materials. Waterproofing, Incorporated. 192,754; Dec. 9; Serial No. 200,837; published Sept. 23, 1924.
 Cleaning and polishing articles and preparations. John Onkey & Sons Limited. 26,079-80; renewed Feb. 19, 1925.
 Cleaning fluid. Liquid. Devoc & Reynolds Co. 192,670; Dec. 9; Serial No. 197,709; published Sept. 9, 1924.

Cleaning liquid for woodwork, nickel, and glassware. Dan-Go Manufacturing Co. 192,756; Dec. 9; Serial No. 200,713; published Sept. 23, 1924.
 Cleaning powder. Sunset Carpet Cleaning & Storage Corporation. 192,654; Dec. 9; Serial No. 195,725; published Sept. 9, 1924.
 Cleaning, shining, and polishing shoes, etc. Preparations for. Herriott Polish Company. 192,673; Dec. 9; Serial No. 196,171; published Sept. 9, 1924.
 Cleanser for cleaning silverware, woodwork, etc. Clean-All Manufacturing Company. 192,720; Dec. 9; Serial No. 197,992; published Sept. 23, 1924.
 Cleansers for painted, etc., surfaces. J. Lane. 192,677; Dec. 9; Serial No. 194,605; published Sept. 9, 1924.
 Polish for aluminum. E. R. Bertram. 192,637; Dec. 9; Serial No. 199,274; published Sept. 9, 1924.
 Polish, Metal and glass. C. & C. Company. 192,738; Dec. 9; Serial No. 179,026; published Sept. 23, 1924.
 Polish, Shoe. P. L. Rookledge. 192,662; Dec. 9; Serial No. 175,108; published Sept. 9, 1924.
 Preparation for removing tar, polishing fenders, lamps, etc. J. F. Woods & Co. 192,755; Dec. 9; Serial No. 200,737; published Sept. 23, 1924.
 Razor strops. Broken Companies. 192,760-70; Dec. 9; Serial Nos. 199,362-3; published Sept. 2, 1924.
 Shoe dressing. J. L. Prescott Company. 192,657; Dec. 9; Serial No. 199,801; published Sept. 9, 1924.
 Soap. James S. Kirk & Company. 192,737; Dec. 9; Serial No. 178,446; published Sept. 23, 1924.
 Soap. Newell & Bro. 26,515; renewed May 7, 1925.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Soap, Pioneer Products Co. 192,740; Dec. 9; Serial No. 185,034; published Nov. 13, 1923.
 Soap and shaving cream, Toilet. Beech-Nut Packing Company. 192,758; Dec. 9; Serial No. 200,471; published Sept. 23, 1924.
 Soap compounds. Hooster Manufacturing Co. 192,739; Dec. 9; Serial No. 179,371; published June 12, 1923.
 Soap, Dry-cleaners'. Dry-Cle-So Soap Co. 192,766; Dec. 9; Serial No. 199,542; published Sept. 9, 1924.
 Soap, Hand. Huttner-Nelson & Co. 192,656; Dec. 9; Serial No. 199,701; published Sept. 9, 1924.
 Soap, metal polish, and straw and Panama cleaner. M. N. Terpinus. 192,639; Dec. 9; Serial No. 199,404; published Sept. 9, 1924.
 Soaps. Guerlain Perfumery Corporation. 192,772; Dec. 9; Serial No. 199,162; published Sept. 2, 1924.
 Tripoli flour, washing powder, soaps, American Tripoli Company. 192,759; Dec. 9; Serial No. 200,172; published Sept. 9, 1924.

CLASS 5.

Cement, Combination. Chemical Research Company of Lynn, Mass. 192,787; Dec. 9; Serial No. 183,907; published Sept. 23, 1924.
 Paste and core-binder material, Corn flour used as dry. Knefler Hates Mfg. Co. 192,514; Dec. 9; Serial No. 199,792; published Sept. 23, 1924.

CLASS 6.

Chemical compound for cleaning, polishing, etc. Oakley Chemical Company. 192,610-11; Dec. 9; Serial Nos. 201,069-70; published Sept. 23, 1924.
 Composition of matter for application to phonograph records to reduce noises. W. W. Crocker. 192,601; Dec. 9; Serial No. 199,219; published Sept. 23, 1924.
 Cough drops. Central Drug Co. 192,586; Dec. 9; Serial No. 189,586; published Sept. 23, 1924.
 Disinfectant. E. C. Hansen. 192,609; Dec. 9; Serial No. 199,551; published Sept. 23, 1924.
 Face creams and powders, lotions, and hand creams. L. E. Haselhuber. 192,581; Dec. 9; Serial No. 191,768; published Sept. 23, 1924.
 Headache powders. A. Jacobson. 192,602; Dec. 9; Serial No. 199,226; published Sept. 23, 1924.
 Insecticide and deodorizer. W. A. Terry. 192,844; Dec. 9.
 Medicine for diseases of the nervous system. Smith, Kline & French Company. 192,540; Dec. 9; Serial No. 196,716; published Sept. 23, 1924.
 Mouth wash, gargle, and spray. Mardorn Chemical Corporation. 192,588; Dec. 9; Serial No. 185,526; published Sept. 23, 1924.
 Pharmaceutical preparation intended as a local application for burns, etc. C. G. Johnson. 192,590; Dec. 9; Serial No. 173,425; published Sept. 23, 1924.
 Powders, Face and talcum. K. E. Macaulay. 192,583; Dec. 9; Serial No. 199,644; published Sept. 23, 1924.
 Preparation for the extermination of ectoparasites. E. Merck. 192,529; Dec. 9; Serial No. 196,698; published Sept. 23, 1924.
 Preparation for use in preventing leaking and freezing of automobile radiators, etc. Cole Chemical Company. 192,840; Dec. 9.
 Pyorrhea medicine and preventive, dentifrice, etc. Mardorn Chemical Corporation. 192,587; Dec. 9; Serial No. 185,527; published Sept. 23, 1924.
 Seidlitz granules, a medicinal preparation. E. S. Price. 192,555; Dec. 9; Serial No. 197,619; published Sept. 23, 1924.
 Toilet preparation to cleanse the skin. A. W. Earley. 192,791; Dec. 9; Serial No. 171,351; published Sept. 23, 1924.

CLASS 7.

Cable and transmission rope, Drilling. Ajax Rope Company. 192,769; Dec. 9; Serial No. 200,168; published Sept. 2, 1924.
 Cords. H. F. Walliser Company. 192,757; Dec. 9; Serial No. 200,592; published Sept. 23, 1924.
 Rope, Manila and sisal. Ajax Rope Company. 192,761; Dec. 9; Serial No. 200,167; published Sept. 2, 1924.
 Twine. Morlee Twine Mills Corporation. 192,762; Dec. 9; Serial No. 200,112; published Sept. 2, 1924.
 Twine. Schermerhorn Bros. Co. 192,714; Dec. 9; Serial No. 199,024; published Sept. 2, 1924.
 Twine, rope, string, and cordage. Schermerhorn Bros. Co. 192,727; Dec. 9; Serial No. 195,192; published Sept. 9, 1924.

CLASS 12.

Brick in plastic form, Fire. S. Obermayer Co. 192,777; Dec. 9; Serial No. 192,491; published Sept. 30, 1924.
 Building construction materials for. Union Iron Works of Los Angeles. 192,775; Dec. 9; Serial No. 193,688; published Sept. 23, 1924.
 Expanded metal. General Fireproofing Company. 192,823; Dec. 9.
 Flooring, Hardwood. Campbell & Damm Manufacturing Company. 192,779; Dec. 9; Serial No. 191,002; published Sept. 23, 1924.
 Jetties and jetty construction materials, etc. H. F. Kellner. 192,829; Dec. 9.
 Lumber. Bragmans Bluff Lumber Company. 192,704; Dec. 9; Serial No. 199,742; published Sept. 23, 1924.

Shingles and roofing, Mineral-surfaced asphalt. Flint-kote Company. 192,706; Dec. 9; Serial No. 198,999; published Sept. 23, 1924.

CLASS 13.

Locks, hinges, bells, etc. Francis Kell & Son. 26,389; renewed Apr. 9, 1925.
 Rivets. Hoopes & Townsend. 24,439; renewed Apr. 3, 1924.

CLASS 14.

Type metal. Imperial Type-Metal Co. 192,517; Dec. 9; Serial No. 199,752; published Sept. 23, 1924.

CLASS 16.

Coating material, Liquid. Fulton Paint Co. 192,785; Dec. 9; Serial No. 184,720; published Sept. 23, 1924.
 Paint enamels, body colors, varnish, etc. Flint Varnish & Color Works. 192,548; Dec. 9; Serial No. 195,878; published Sept. 23, 1924.
 Paint for interior, Flat. Egan and Hausman Company. 192,528; Dec. 9; Serial No. 196,733; published Sept. 23, 1924.
 Polish for automobiles and furniture. Perfection Shine Polish Co. 192,550; Dec. 9; Serial No. 195,596; published Sept. 23, 1924.
 Polishes for floors, automobiles, etc. A. Oberle. 192,544; Dec. 9; Serial No. 196,256; published Sept. 23, 1924.
 Shellacs and lacs. Angelo Bros. Limited. 192,549; Dec. 9; Serial No. 195,615; published Sept. 23, 1924.
 Varnish and shellac, Brewster's. Maynz & Co. 25,555; renewed Nov. 27, 1924.
 Varnishes, fillers, stains, etc. C. Vick. 192,778; Dec. 9; Serial No. 191,678; published Sept. 23, 1924.

CLASS 19.

Automobiles and parts thereof. Societe Anonyme des Anciens Etablissements Panhard & Levassor. 192,646; Dec. 9; Serial No. 199,808; published Sept. 23, 1924.
 Axles, axle housings, brakes, etc. Hook Axle Corporation. 192,813; Dec. 9.
 Bumper bars. Steel Products Corporation. 192,507; Dec. 9; Serial No. 200,532; published Sept. 23, 1924.
 Bumper parts, Nickel-plated articles specifically used for. C. G. Spring & Bumper Company. 192,824; Dec. 9.
 Railway vehicles, Couplers and parts for couplers for. National Malleable and Steel Castings Company. 192,826; Dec. 9.
 Wagons, Dump. Little Red Wagon Mfg. Co. 192,827; Dec. 9.

CLASS 21.

Radio receiving sets and parts thereof. Andrews Radio Company. 192,726; Dec. 9; Serial No. 195,254; published June 17, 1924.

CLASS 23.

Adzes, hammers, saw sets, etc. Dunham, Carrigan & Hayden Co. 192,783; Dec. 9; Serial No. 188,549; published Sept. 23, 1924.
 Cultivators and lawn mowers, Power. M. B. M. Manufacturing Co. 192,612; Dec. 9; Serial No. 201,201; published Sept. 23, 1924.
 Fountains and equipment thereof, Soda. Economy Fountain Company. 192,526; Dec. 9; Serial No. 197,471; published Sept. 23, 1924.
 Governors, pumps, and compressors and parts of said mechanisms. Gardner Governor Company. 192,516; Dec. 9; Serial No. 199,779; published Sept. 23, 1924.
 Oil-well tools and equipment. Union Tool Company. 192,784; Dec. 9; Serial No. 185,097; published Sept. 23, 1924.
 Pumps, Air. M. B. Holstein. 192,621; Dec. 9; Serial No. 200,445; published Sept. 23, 1924.
 Speed and pressure regulators, compressors, etc. Gardner Governor Company. 192,515; Dec. 9; Serial No. 199,781; published Sept. 23, 1924.
 Speedometer-shaft hangers. M. N. Bruns. 192,622; Dec. 9; Serial No. 200,429; published Sept. 23, 1924.
 Valves, Hydraulic, pilot, and elevator. W. B. Kochenderfer. 192,788; Dec. 9; Serial No. 181,753; published Sept. 23, 1924.

CLASS 25.

Sash holders or fasteners. F. Kriehn. 192,623; Dec. 9; Serial No. 200,203; published Sept. 23, 1924.

CLASS 26.

Meters for measuring water, gas, electricity, or other fluid. Buffalo Meter Company. 26,342; renewed Apr. 2, 1925.

Photographic paper, Highly-sensitized. Victor X-Ray Corporation. 192,513; Dec. 9; Serial No. 199,867; published Sept. 23, 1924.

Photographic plates. Eastman Kodak Company. 192,620; Dec. 9; Serial No. 200,810; published Sept. 23, 1924.

CLASS 33.

Glass fruit jars. Corning Glass Works. 192,525; Dec. 9; Serial No. 197,993; published Sept. 23, 1924.
 Glass fruit jars. Schram Glass Manufacturing Co. 192,700; Dec. 9; Serial No. 199,953; published Sept. 23, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 34.

Boilers, Water-circulating elements for locomotive-firebox. Locomotive Firebox Company. 192,842; Dec. 9.
 Gas-producing plants. Julius Pintsch Aktiengesellschaft. 192,674; Dec. 9; Serial No. 195,597; published Sept. 23, 1924.
 Kilns, Dry. Hunter Dry Kiln Company. 192,687; Dec. 9; Serial No. 175,354; published July 17, 1923.
 Ranges and stoves. Swinney Brothers, Limited. 192,595; Dec. 9; Serial No. 198,428; published Sept. 23, 1924.
 Water heaters, Gas. Bastian-Morley Co. 192,839; Dec. 9.

CLASS 35.

Belts for transmitting power, Fabric. L. H. Gilmer Co. 192,817; Dec. 9.
 Gaskets, Cork. McCord Radiator & Mfg. Co. 192,699; Dec. 9; Serial No. 199,949; published Sept. 23, 1924.
 Inner-tube patches. Automobile Specialty Mfg. Co. 192,836; Dec. 9.
 Packing and packing material. Garlock Packing Company. 192,814; Dec. 9.
 Packing and packing material. Garlock Packing Company. 192,816; Dec. 9.
 Piston rings. No-Leak-O Piston Ring Company. 192,696; Dec. 9; Serial No. 200,151; published Sept. 23, 1924.
 Rubber tubing. Metropolitan Device Corporation. 192,731; Dec. 9; Serial No. 193,721; published May 20, 1924.

CLASS 37.

Chalk, Dustless. American Crayon Company. 192,643-4; Dec. 9; Serial Nos. 199,596-7; published Sept. 9, 1924.
 Crayons. American Crayon Company. 192,495; Dec. 9; Serial No. 199,918; published Sept. 16, 1924.
 Crayons. American Crayon Company. 192,807-11; Dec. 9; Serial Nos. 199,921-5; published Sept. 16, 1924.
 Crayons, Wax. American Crayon Company. 192,812; Dec. 9; Serial No. 199,919; published Sept. 16, 1924.
 Envelopes, Announcement and mailing. White & Wyckoff Manufacturing Company. 192,672; Dec. 9; Serial No. 196,722; published Sept. 2, 1924.
 Memorandum books. A. C. Youmans. 192,640; Dec. 9; Serial No. 199,412; published Sept. 2, 1924.
 Paper and coated blanks, Blotting. Great Lakes Paper Company. 192,593; Dec. 9; Serial No. 197,809; published Sept. 2, 1924.
 Paper and envelopes, Correspondence. P. H. Bird. 192,802; Dec. 9; Serial No. 200,032; published Sept. 16, 1924.
 Paper and envelopes, Correspondence. James A. Hearn & Son Inc. 192,675; Dec. 9; Serial No. 195,287; published Sept. 2, 1924.
 Paper, Crêpe. American Tissue Mills. 192,496-8; Dec. 9; Serial Nos. 199,967-9; published Sept. 16, 1924.
 Paper, Crêpe. American Tissue Mills. 192,804-5; Dec. 9; Serial Nos. 199,965-6; published Sept. 16, 1924.
 Paper, Glue. Pangborn Corporation. 192,671; Dec. 9; Serial No. 197,340; published Sept. 16, 1924.
 Paper, Manila wrapping. Atlas Paper Company. 192,683; Dec. 9; Serial No. 189,604; published Sept. 2, 1924.
 Paper napkins, towels, and wrappers. H. N. Goldsmith. 192,665; Dec. 9; Serial No. 195,103; published Sept. 16, 1924.
 Paper, Printing and lithographing. New York and Pennsylvania Company. 192,500-1; Dec. 9; Serial Nos. 200,006-7; published Sept. 16, 1924.
 Paper, Toilet. Capital Paper Company. 192,684; Dec. 9; Serial No. 189,447; published Feb. 5, 1924.
 Paper, Toilet. Northern Paper Mills. 192,594; Dec. 9; Serial No. 197,898; published Sept. 16, 1924.
 Paper, Toilet. Northern Paper Mills. 192,786; Dec. 9; Serial No. 184,358; published Oct. 16, 1923.
 Paper, Writing and printing. International Paper Company. 192,648; Dec. 9; Serial No. 199,890; published Sept. 16, 1924.
 Pencils. Magazine. Atlantic Manufacturing Company. 192,632; Dec. 9; Serial No. 198,443; published Sept. 2, 1924.
 Pencils, Paper. American Crayon Company. 192,642; Dec. 9; Serial No. 199,595; published Sept. 9, 1924.
 Pens and pencils, Fountain. G. Zain. 192,638; Dec. 9; Serial No. 199,398; published Sept. 2, 1924.
 Pens, Writing. Esterbrook Steel Pen Manufacturing Company. 192,645; Dec. 9; Serial No. 199,777; published Sept. 9, 1924.
 Records, Income-tax and business. Keystone Business Service Co. 192,689; Dec. 9; Serial No. 185,082; published Sept. 16, 1924.

CLASS 38.

Booklets, General Advertising Company. 192,506; Dec. 9; Serial No. 200,390; published Sept. 16, 1924.
 Books, Educational. G. & C. Merriam Company. 26,273; renewed Mar. 26, 1925.
 Books of a series, Printed. Theatre Guild, Inc. 192,663; Dec. 9; Serial No. 180,509; published Sept. 9, 1924.
 Books of a series, Printed. Theatre Guild, Inc. 192,736; Dec. 9; Serial No. 171,393; published Sept. 9, 1924.
 Magazine, Cable-Splicing Company. 192,765; Dec. 9; Serial No. 199,556; published Sept. 9, 1924.

Magazine, Marshall-Wells Company. 192,509; Dec. 9; Serial No. 200,824; published Sept. 16, 1924.
 Magazine, New Metropolitan Fiction, Inc. 192,647; Dec. 9; Serial No. 199,847; published Sept. 16, 1924.
 Magazine, Monthly. Hardware Dealers Magazine, Inc. 192,753; Dec. 9; Serial No. 193,459; published Sept. 9, 1924.
 Magazines. A. E. Fortser. 192,745; Dec. 9; Serial No. 183,990; published Sept. 9, 1924.
 News letter, Daily. A. Newton Plummer Corporation. 192,740; Dec. 9; Serial No. 179,622; published Sept. 9, 1924.
 Newspaper. Plummer Publications, Inc. 192,742; Dec. 9; Serial No. 181,219; published Oct. 7, 1924.
 Newspaper section. International Feature Service, Inc. 192,499; Dec. 9; Serial No. 199,990; published Sept. 16, 1924.
 Periodical. A. Jacob. 192,508; Dec. 9; Serial No. 200,764; published Sept. 16, 1924.
 Periodicals, Monthly. Gilbert & Barker Manufacturing Company. 192,505; Dec. 9; Serial No. 200,251; published Sept. 16, 1924.
 Photographs. Walgreen Co. 192,502; Dec. 9; Serial No. 200,024; published Sept. 16, 1924.
 Publication. Carnegie Endowment for International Peace. 192,510; Dec. 9; Serial No. 200,849; published Sept. 16, 1924.
 Publication, Monthly. Inecto, Inc. 192,503; Dec. 9; Serial No. 200,104; published Sept. 16, 1924.
 Publication, Section of a periodical. E. H. Felix. 192,771; Dec. 9; Serial No. 199,280; published Sept. 9, 1924.
 Publication, Title of a monthly. Armstrong-Kilbourne, Inc. 192,716; Dec. 9; Serial No. 198,280; published Sept. 9, 1924.

CLASS 39.

Abdominal bands. Bromley Shepard Co. 192,551; Dec. 9; Serial No. 194,848; published Aug. 12, 1924.
 Aprons. Comfy Apron Co. 192,636; Dec. 9; Serial No. 198,935; published Sept. 23, 1924.
 Bannets, hats, gloves, coats, etc. Ladies'. K. A. Courtney. 192,566; Dec. 9; Serial No. 198,507; published Sept. 16, 1924.
 Boots and shoes. Holland Shoe Co. 192,633; Dec. 9; Serial No. 198,522; published Sept. 23, 1924.
 Boots and shoes. Hughes & Tansey, Inc. 192,545; Dec. 9; Serial No. 196,117; published Sept. 2, 1924.
 Boots and shoes. Edward Penton and Son. 192,534; Dec. 9; Serial No. 197,390; published Sept. 2, 1924.
 Boots and shoes. Juliette Plumot et Cie. 192,591; Dec. 9; Serial No. 178,669; published Sept. 16, 1924.
 Boots, shoes, and slippers. Cammeyer. 192,552; Dec. 9; Serial No. 194,907; published Sept. 16, 1924.
 Boots, shoes, and slippers. W. H. Conn Co. 192,585; Dec. 9; Serial No. 188,586; published Sept. 2, 1924.
 Boots, shoes, slippers, leggings, gaiters. Crockett & Jones. 192,543; Dec. 9; Serial No. 196,295; published Sept. 2, 1924.
 Brassieres. Belitt Brassiere Co. 192,572; Dec. 9; Serial No. 198,834; published Sept. 9, 1924.
 Brassieres. Enid Frocks, Inc. 192,834; Dec. 9.
 Brassieres and corsets. Franchburg, Inc. 192,580; Dec. 9; Serial No. 193,221; published Sept. 16, 1924.
 Caps. Portis Bros. Hat Co. 192,559; Dec. 9; Serial No. 197,903; published Sept. 16, 1924.
 Caps and hats. U-Profit Cap Manufacturing Co. 192,568; Dec. 9; Serial No. 198,547; published Sept. 16, 1924.
 Caps, Cloth. Bob Cap Co. 192,679; Dec. 9; Serial No. 192,670; published Sept. 23, 1924.
 Clothing. D. W. Farnsworth. 192,832; Dec. 9.
 Corsets. International Corset Company. 192,598; Dec. 9; Serial No. 199,005; published Sept. 9, 1924.
 Corsets. S. S. Kresge Company. 192,571; Dec. 9; Serial No. 198,646; published Sept. 9, 1924.
 Corsets. La Resistia Corset Co. 192,635; Dec. 9; Serial No. 198,714; published Sept. 23, 1924.
 Corsets and brassiere corsets. Strouse, Adler & Co. 192,599; Dec. 9; Serial No. 199,194; published Sept. 9, 1924.
 Garters. A. M. Malouf. 192,558; Dec. 9; Serial No. 197,825; published Sept. 2, 1924.
 Garters, supporters, suspenders, and wristbands. H. Barmowitz. 192,542; Dec. 9; Serial No. 196,424; published Sept. 16, 1924.
 Gloves. W. C. Smith Glove Co. 192,589; Dec. 9; Serial No. 182,883; published Sept. 16, 1924.
 Gloves, Knit. Ballston Knit Glove Company. 192,634; Dec. 9; Serial No. 198,610; published Sept. 23, 1924.
 Gloves, Leather. National Association of Leather Glove and Mitten Manufacturers. 192,604-5; Dec. 9; Serial Nos. 199,291-2; published Sept. 23, 1924.
 Gloves, Leather. V. Perrin & Cie. 192,676; Dec. 9; Serial No. 194,943; published Sept. 23, 1924.
 Hats. Mallory Hat Company. 192,606; Dec. 9; Serial No. 199,368; published Sept. 9, 1924.
 Hats. Mallory Hat Company. 192,607; Dec. 9; Serial No. 199,372; published Sept. 9, 1924.
 Hats. Mallory Hat Company. 192,608; Dec. 9; Serial No. 199,376; published Sept. 9, 1924.
 Hats and caps, Men's. W. Poll. 192,546; Dec. 9; Serial No. 195,715; published Sept. 2, 1924.
 Hats, Ladies'. R. Kinsbergen. 192,603; Dec. 9; Serial No. 199,230; published Sept. 9, 1924.

Hats, Ladies'. Palace Hat Co. 192,533; Dec. 9; Serial No. 197,445; published Sept. 2, 1924.
 Hats, Men's and boys'. George B. Burnett & Son. 192,596; Dec. 9; Serial No. 198,841; published Sept. 2, 1924.
 Hats, Men's straw. Blum & Koch, Inc. 192,565; Dec. 9; Serial No. 198,395; published Sept. 16, 1924.
 Hats, Straw. Accor Panama Hat Co. 192,556; Dec. 9; Serial No. 197,791; published Sept. 2, 1924.
 Hats, Women's. A. N. Adelson. 192,569; Dec. 9; Serial No. 198,552; published Sept. 16, 1924.
 Hats, Women's. C. T. Pidgeon Millinery Co. 192,553; Dec. 9; Serial No. 197,558; published Sept. 2, 1924.
 Hats, Women's. Pike Richmond Co. 192,537; Dec. 9; Serial No. 197,230; published Sept. 2, 1924.
 Heels and soles. United Rubber and Leather Company. 192,592; Dec. 9; Serial No. 187,888; published Sept. 16, 1924.
 Heels, tips, soles, and pads. I. T. S. Rubber Company. 192,576; Dec. 9; Serial No. 194,668; published Sept. 16, 1924.
 Hosiery. David Jacobs Corporation. 192,710; Dec. 9; Serial No. 197,600; published Sept. 23, 1924.
 Hosiery. A. V. Victorius & Co. 192,713; Dec. 9; Serial No. 196,143; published Sept. 23, 1924.
 Linings, Ladies' hat. S. Cohn Co. 192,541; Dec. 9; Serial No. 196,647; published Sept. 16, 1924.
 Pads manufactured from rubber or rubber composition. Blakey's Boot Protectors, Limited. 192,538; Dec. 9; Serial No. 196,900; published Sept. 2, 1924.
 Pads manufactured from rubber or rubber composition. Blakey's Boot Protectors, Limited. 192,573; Dec. 9; Serial No. 194,778; published Sept. 2, 1924.
 Rompers, pyjamas, sleeping garments, etc., Children's. Shostak Novelty Co. 192,709; Dec. 9; Serial No. 197,784; published Sept. 23, 1924.
 Rubber heels. H. Jacob & Sons, Inc. 192,557; Dec. 9; Serial No. 197,816; published Sept. 2, 1924.
 Shirts. Columbia Shirt Company. 192,530; Dec. 9; Serial No. 197,816; published Sept. 2, 1924.
 Shirts, Wyman, Partridge & Co. 192,588; Dec. 9; Serial No. 198,330-1; published Sept. 16, 1924.
 Shoes. Tenko-Ross Shoe Co. 192,574; Dec. 9; Serial No. 194,759; published Sept. 16, 1924.
 Shoes. Tenko-Ross Shoe Co. 192,575; Dec. 9; Serial No. 194,754; published Sept. 2, 1924.
 Shoes and boots. Stetson Shop. 192,570; Dec. 9; Serial No. 198,593; published Sept. 16, 1924.
 Shoes, Children's. H. W. Merriam Shoe Company. 192,554; Dec. 9; Serial No. 197,613; published Sept. 16, 1924.
 Shoes, Children's, boys' and girls'. R. H. Macy & Co. 192,561; Dec. 9; Serial No. 197,948; published Sept. 16, 1924.
 Shoes, Infants' and children's. Glaser Shoe Company. 192,535; Dec. 9; Serial No. 197,329; published Sept. 16, 1924.
 Shoes, Ladies'. Stanley Duttonhoefer Shoe Company. 192,711; Dec. 9; Serial No. 197,457; published Sept. 16, 1924.
 Shoes, Leather. P. W. Minor & Son Inc. 192,539; Dec. 9; Serial No. 196,751; published Sept. 2, 1924.
 Shoes, Leather. Stone Shoe Company. 192,547; Dec. 9; Serial No. 195,548; published Sept. 16, 1924.
 Sport wear, Women's. Trotter Hat Co. 192,567; Dec. 9; Serial No. 198,545; published Sept. 16, 1924.
 Suits and overcoats, Men's. Louis Shapiro & Co. 192,712; Dec. 9; Serial No. 196,768; published Sept. 23, 1924.
 Ties and cravats. Friedman Bros. & Sons Neckwear Co. 192,582; Dec. 9; Serial No. 190,724; published Sept. 16, 1924.
 Undergarments and hosiery, Women's. Rosenthal, Lewis & Ritter. 192,707; Dec. 9; Serial No. 198,088; published Sept. 23, 1924.
 Understockings, spats, and hosiery. Gotham Silk Hosiery Co. 192,741; Dec. 9; Serial No. 179,863; published Sept. 2, 1924.
 Welting for boots and shoes. Barbour Welting Company. 192,600; Dec. 9; Serial No. 199,206; published Sept. 9, 1924.

CLASS 40.

Halfrpins, safety pins, and toilet pins. S. Glemby's Sons Co. 192,519; Dec. 9.

CLASS 42.

Bedsprings, bedspread bolsters, table padding, etc. John V. Farwell Company. 192,792; Dec. 9; Serial No. 171,210; published Sept. 23, 1924.
 Cotton piece goods. E. V. Benjamin Company. 192,694; Dec. 9; Serial No. 200,977; published Sept. 23, 1924.
 Cotton piece goods. Henry Glass & Co. 192,828; Dec. 9; Serial No. 192,780-1; Dec. 9; Serial Nos. 189,531-2; published Sept. 23, 1924.
 Cotton piece goods. Sayles Finishing Plants, Inc. 192,782; Dec. 9; Serial No. 189,322; published Sept. 23, 1924.
 Cotton piece goods, Bleached. H. B. & R. Knight, Inc. 192,746; Dec. 9; Serial No. 193,048; published Sept. 23, 1924.
 Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 192,767; Dec. 9; Serial No. 199,336; published Sept. 30, 1924.

Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 192,768; Dec. 9; Serial No. 199,531; published Sept. 30, 1924.
 Dollies, centerpieces, napkins, etc. Campbell, Metzger & Jacobson. 192,512; Dec. 9; Serial No. 200,035; published Sept. 23, 1924.
 Ribbon. I. Fleischer & Sons. 192,685; Dec. 9; Serial No. 183,103; published Sept. 9, 1924.
 Rugs. Deltor Grass Rug Company. 192,693; Dec. 9; Serial No. 201,183; published Sept. 23, 1924.
 Silk and cotton piece goods. Phillips-Jones Corporation. 192,690; Dec. 9; Serial No. 201,306; published Sept. 23, 1924.
 Silk and cotton piece goods. Phillips-Jones Corporation. 192,691; Dec. 9; Serial No. 201,303; published Sept. 23, 1924.
 Silk, Broad. A. S. Rosenthal Co. 192,692; Dec. 9; Serial No. 201,210; published Sept. 23, 1924.
 Silk piece goods. Annin & Co. 192,624; Dec. 9; Serial No. 200,085; published Sept. 23, 1924.
 Silk piece goods. Annin & Co. 192,703; Dec. 9; Serial No. 199,770; published Sept. 23, 1924.
 Silk piece goods. Gimbel Brothers, New York. 192,790; Dec. 9; Serial No. 177,841; published Sept. 23, 1924.
 Wool, cotton, and silk and mixture piece goods. Société Rollier. 192,697; Dec. 9; Serial No. 200,124; published Sept. 23, 1924.
 Wool goods. J. J. & W. Wilson, Limited. 26,191; renewed Mar. 5, 1925.
 Woolen piece goods. Strong, Hewat & Co. 192,625-9; Dec. 9; Serial Nos. 200,061-5; published Sept. 23, 1924.
 Woolen piece goods. Strong, Hewat & Co. 192,698; Dec. 9; Serial No. 200,059; published Sept. 23, 1924.

CLASS 43.

Cotton yarn and sewing cotton. John Dewhurst & Sons, Ltd. 25,968; renewed Feb. 5, 1925.
 Silk thread and yarn. Artificial. Naamloze Vennootschap Hollandse Kunstzijde Industrie. 192,532; Dec. 9; Serial No. 193,469; published Aug. 26, 1924.
 Thread. Alsa S. A. 192,773; Dec. 9; Serial No. 199,028; published Sept. 30, 1924.
 Thread. Karpelos Company. 192,615; Dec. 9; Serial No. 200,990; published Sept. 23, 1924.
 Thread and yarn. Artificial-silk. Naamloze Vennootschap Hollandse Kunstzijde Industrie. 192,774; Dec. 9; Serial No. 195,410; published Sept. 23, 1924.
 Threads or yarns, Silk. D. E. Adams Company. 192,695; Dec. 9; Serial No. 200,376; published Sept. 23, 1924.

CLASS 44.

Arch supports and parts thereof, toe separators and straighteners, etc. Scholl Manufacturing Company. 192,520-1; Dec. 9; Serial Nos. 199,257-8; published Sept. 23, 1924.
 Chiropractic machines. Rittenhouse & Sweetland. 192,530-1; Dec. 9; Serial Nos. 196,544-5; published Sept. 23, 1924.
 Dental supplies. I. Stern & Co. 192,524; Dec. 9; Serial No. 198,037; published Sept. 23, 1924.
 Water bottles, fountain syringes, ice caps, etc. Sun Rubber Company. 192,614; Dec. 9; Serial No. 201,113; published Sept. 23, 1924.

CLASS 45.

Ginger ale. Goodman American Ice Cream Company. 192,835; Dec. 9.

CLASS 46.

Alimentary pastes. Kansas City Macaroni & Importing Co. 192,680; Dec. 9; Serial No. 192,623; published Sept. 23, 1924.
 Apples and pears. Cashmere Skookum Growers. 192,664; Dec. 9; Serial No. 193,897; published Sept. 30, 1924.
 Apples, Fresh. Gravenstein Apple Growers Co-operative Assn. of Sonoma County. 192,616; Dec. 9; Serial No. 200,988; published Sept. 23, 1924.
 Barley-malt extract. Concentrated. L. Teuscher, Jr. 192,536; Dec. 9; Serial No. 197,304; published Sept. 23, 1924.
 Beef, canned soup, tapioca, etc., Dried. Tolerton & Warfield Co. 192,794; Dec. 9; Serial No. 188,374; published Sept. 16, 1924.
 Bread. D. P. Woolley. 192,743; Dec. 9; Serial No. 181,366; published Sept. 30, 1924.
 Bread, Health. Pollack Weeks Company. 192,798; Dec. 9; Serial No. 200,828; published Sept. 30, 1924.
 Butter. Miller & Holmes. 192,833; Dec. 9.
 Candy. Fred W. Amend Co. 192,803; Dec. 9; Serial No. 200,028; published Sept. 30, 1924.
 Candy. G. D. Camareros. 192,715; Dec. 9; Serial No. 198,932-3; published Sept. 30, 1924.
 Candy. G. D. Camareros. 192,717; Dec. 9; Serial No. 198,932; published Sept. 30, 1924.
 Candy. Greek Candy Kitchen. 192,822; Dec. 9.
 Canned clams. J. F. Chase. 192,613; Dec. 9; Serial No. 201,178; published Sept. 23, 1924.
 Canned fish. Jos. Garneau Co. 192,522; Dec. 9; Serial No. 199,160; published Sept. 23, 1924.
 Canned fruits, berries, and vegetables. Northwest Canning Company. 192,820-1; Dec. 9.
 Canned goods, dill pickles, vanilla. Frank C. Weber & Company. 192,504; Dec. 9; Serial No. 200,129; published Sept. 23, 1924.

Canned goods, fruit preserves, jams, and jellies. Starr Fruit Products Co. 192,618; Dec. 9; Serial No. 200,906; published Sept. 23, 1924.
 Canned goods, fruit preserves, spices, etc. Royal Blue Stores, Inc. 192,577; Dec. 9; Serial No. 194,487; published Sept. 23, 1924.
 Canned goods, sugar, rice, wheat flour, etc. Hanlin Supply Company. 192,678; Dec. 9; Serial No. 194,061; published Sept. 23, 1924.
 Canned salmon. H. J. Barbey. 192,708; Dec. 9; Serial No. 197,983; published Sept. 23, 1924.
 Capers, mushrooms, canned peas, etc. James P. Smith & Company. 192,730; Dec. 9; Serial No. 194,957; published Sept. 30, 1924.
 Cereal breakfast food and pancake flour. A. M. Holton. 192,734; Dec. 9; Serial No. 160,550; published Sept. 30, 1924.
 Cereal breakfast foods. M. J. Ginter. 192,719; Dec. 9; Serial No. 198,232; published Sept. 30, 1924.
 Cheese. Pabst Farms. 192,815; Dec. 9.
 Chickens and chickens and eggs. Live. J. A. Kreis. 192,732; Dec. 9; Serial No. 193,840; published Sept. 30, 1924.
 Chocolates. Bunte Brothers. 192,686; Dec. 9; Serial No. 182,398; published Sept. 16, 1924.
 Cocoa. Hollandsche Cacao- en Chocoladefabrieken v/h Boudorp & Co. 192,519; Dec. 9; Serial No. 199,426; published Sept. 23, 1924.
 Cocoa and all kinds of chocolate. Bovril, Limited. 25,995; renewed Feb. 5, 1925.
 Coffee. B. Angel. 192,617; Dec. 9; Serial No. 200,921; published Sept. 23, 1924.
 Cookies, cakes, crackers, and biscuits. Paul Schulze Biscuit Co. 192,655; Dec. 9; Serial No. 199,649; published Sept. 30, 1924.
 Crackers, biscuits, confections, etc. Paul Schulze Biscuit Co. 192,800; Dec. 9; Serial No. 200,968; published Sept. 30, 1924.
 Dates. F. Viatie. 192,579; Dec. 9; Serial No. 193,558; published Sept. 16, 1924.
 Dressing, Salad. C. G. Meaker Co. 192,763; Dec. 9; Serial No. 200,055; published Sept. 30, 1924.
 Eggs. Geo. C. Mansfield Co. 192,818; Dec. 9.
 Eggs. H. Senken & Co. 192,799; Dec. 9; Serial No. 200,645; published Sept. 30, 1924.
 Extract from plant substances for use as an ingredient in food. E. H. Miles. 192,724; Dec. 9; Serial No. 197,104; published Sept. 30, 1924.
 Ferments used in cheese making. J. Spohr. 192,704; Dec. 9; Serial No. 199,955; published Sept. 30, 1924.
 Flavors, Fruit. Fruitfrost Corporation. 192,752; Dec. 9; Serial No. 191,480; published Sept. 30, 1924.
 Flour. Royal Milling Company. 192,721; Dec. 9; Serial No. 197,962; published Sept. 30, 1924.
 Flour, Fancy durum. North Dakota Mill and Elevator Association. 192,722; Dec. 9; Serial No. 197,338; published Sept. 30, 1924.
 Flour, Wheat. Colorado Milling & Elevator Company. 192,797; Dec. 9; Serial No. 200,864; published Sept. 30, 1924.
 Flour, Wheat. Scott Logan Milling Co. 192,796; Dec. 9; Serial No. 200,902; published Sept. 30, 1924.
 Flour, Wheat. Southwestern Milling Company. 192,748; Dec. 9; Serial No. 185,383; published Sept. 30, 1924.
 Food, Prepared. Eustace Miles Foods (1921) Limited. 192,718; Dec. 9; Serial No. 198,322; published Sept. 30, 1924.
 Fruits, Fresh citrus. Auburndale Citrus Growers Association. 192,527; Dec. 9; Serial No. 190,786; published Sept. 23, 1924.
 Fudge. Brownley's, Inc. 192,649-53; Dec. 9; Serial Nos. 197,008-12; published Sept. 30, 1924.
 Fudge. Brownley's, Inc. 192,659; Dec. 9; Serial No. 197,007; published Sept. 30, 1924.
 Fudge. Brownley's, Inc. 192,660; Dec. 9; Serial No. 197,006; published Sept. 30, 1924.
 Fudge. Brownley's, Inc. 192,666-9; Dec. 9; Serial Nos. 197,002-5; published Sept. 30, 1924.
 Fudge candy. A. Olsen, Jr. 192,661; Dec. 9; Serial No. 172,344; published Sept. 30, 1924.
 Grapes, Fresh. Keystone Cooperative Grape Association. 192,729; Dec. 9; Serial No. 195,005; published Sept. 30, 1924.

Gum, Chewing. Wm. Wrigley Jr. Company. 192,523; Dec. 9; Serial No. 198,437; published Sept. 23, 1924.
 Ice cream, butter, milk, cheese. Hubach's Products Co. 192,569; Dec. 9; Serial No. 197,936; published Sept. 23, 1924.
 Milk and cream. Puritan Dairy, Inc. 192,723; Dec. 9; Serial No. 197,169; published Sept. 30, 1924.
 Milk, canned vegetables, wheat flour, Evaporated. Great American Stores Co. 192,733; Dec. 9; Serial No. 193,919; published Sept. 30, 1924.
 Milk, Malted. H. Lavitz. 192,518; Dec. 9; Serial No. 199,558; published Sept. 23, 1924.
 Nuts, Salted and roasted pistachio. T. K. Malout. 192,630; Dec. 9; Serial No. 200,052; published Sept. 23, 1924.
 Oats and stock foods. Callahan & Sons. 192,813; Dec. 9; Serial No. 199,878; published Sept. 30, 1924.
 Oil, Olive. H. D. Capriata. 192,735; Dec. 9; Serial No. 179,179; published Sept. 30, 1924.
 Oil, Olive. James P. Smith & Company. 192,728; Dec. 9; Serial No. 195,681; published Sept. 30, 1924.
 Oils, Edible. Standard Oil Company of New York. 192,744; Dec. 9; Serial No. 182,487; published Oct. 30, 1923.
 Oils, Edible. Standard Oil Company of New York. 192,747; Dec. 9; Serial No. 185,321; published Dec. 25, 1923.
 Oleomargarine. Wilson & Co., Inc., of California. 192,795; Dec. 9; Serial No. 201,270; published Sept. 30, 1924.
 Oranges. H. S. Speich. 192,750; Dec. 9; Serial No. 199,277; published Sept. 30, 1924.
 Pears. Gallagher Fruit Company. 192,619; Dec. 9; Serial No. 200,880; published Sept. 23, 1924.
 Pickles, vinegar, olives, etc. Adam Brothers Company. 192,578; Dec. 9; Serial No. 194,149; published Sept. 23, 1924.
 Sandwich spread. O. O. Lense. 192,837; Dec. 9.
 Sandwiches, Chili. H. E. Grigsby. 192,825; Dec. 9.
 Semolina, a durum-wheat product. North Dakota Mill and Elevator Association. 192,725; Dec. 9; Serial No. 195,592; published Sept. 30, 1924.
 Tomatoes, refugee green beans, peas, etc. Joannes Bros. Co. 192,631; Dec. 9; Serial No. 200,046; published Sept. 16, 1924.
 Vegetables. Bizzar-Padgett Company. 192,806; Dec. 9; Serial No. 199,929; published Sept. 30, 1924.
 Vinegar and peanut butter. Robb-Ross Co. 192,789; Dec. 9; Serial No. 181,945; published Sept. 16, 1924.
 Walnuts, almonds, pineapples, etc. Sunset Nut Shelling Company. 192,588; Dec. 9; Serial No. 125,762; published Sept. 30, 1924.
 Yeast. Midboro Products Corporation. 192,641; Dec. 9; Serial No. 199,481; published Sept. 23, 1924.

CLASS 48.

Malt sirup, Cereal. Hazleton Syrup Company. 192,831; Dec. 9.

CLASS 50.

Carpet lining. Greater New York Export House, Inc. 192,584; Dec. 9; Serial No. 190,542; published Sept. 2, 1924.
 Mats, Cocon. P. B. Paul. 192,562; Dec. 9; Serial No. 198,323; published Aug. 12, 1924.
 Monuments and slabs and specimens of stone, granite, and marble. S. Haskel & Sons, Inc. 192,705; Dec. 9; Serial No. 199,618; published Sept. 23, 1924.
 Rubber sheeting, waterproof materials, rugs, and felt. Chas. Lavy & Co. 192,681; Dec. 9; Serial No. 191,632; published Sept. 23, 1924.
 Rubber sheeting, waterproof materials, rugs, and felt. Chas. Lavy & Co. 192,682; Dec. 9; Serial No. 191,327; published Sept. 30, 1924.
 Statuary, memorial tablets, and other memorials in metal. Metal. Gorham Manufacturing Company. 192,793; Dec. 9; Serial No. 152,248; published Sept. 23, 1924.
 Tiles, wainscoting, stair treads, etc. Flooring. Stedman Products Company. 192,701-2; Dec. 9; Serial Nos. 199,809-10; published Sept. 23, 1924.

ALPHABETICAL LIST OF LABELS.

Glassine Purity Pack. For Glassine Paper. Warren Manufacturing Company. 27,925; Dec. 9.
 Marionette. For Ladies' Hats. Anderson & Jacobs Co. 27,912; Dec. 9.
 Menth-O-Lie. For Menthol and Licorice Cough Waters. J. Frank Shellenberger Company. 27,924; Dec. 9.
 Monogram Match Packs Case B (yellow). For Match Packs. Kay & Ellinger, Inc. 27,915; Dec. 9.
 Monogram Match Packs Case C (orange). For Match Packs. Kay & Ellinger, Inc. 27,916; Dec. 9.
 Monogram Match Packs Case D (green). For Match Packs. Kay & Ellinger, Inc. 27,917; Dec. 9.
 Monogram Match Packs Case E (black). For Match Packs. Kay & Ellinger, Inc. 27,918; Dec. 9.
 Monogram Match Packs Case F (silver). For Match Packs. Kay & Ellinger, Inc. 27,919; Dec. 9.

Monogram Match Packs Case G (blue). For Match Packs. Kay & Ellinger, Inc. 27,920; Dec. 9.
 Monogram Match Packs Case H (light blue). For Match Packs. Kay & Ellinger, Inc. 27,921; Dec. 9.
 Monogram Match Packs Case I (purple). For Match Packs. Kay & Ellinger, Inc. 27,922; Dec. 9.
 Monogram Match Packs Case J (purple). For Match Packs. Kay & Ellinger, Inc. 27,923; Dec. 9.
 Splisbrød. For Bread. S. A. Haram & Co. 27,914; Dec. 9.
 Wheatworth. For Flour. F. H. Bennett Biscuit Company. 27,913; Dec. 9.
 Young's Pearl Borax Soap Chips. For Soap Chips. Chas. W. Young & Co. 27,927; Dec. 9.
 Young's Soap Chips. For Soap Chips. Chas. W. Young & Co. 27,926; Dec. 9.

ALPHABETICAL LIST OF PRINTS.

As Good As It Looks. For Nonalcoholic Cereal Beverages. Adam Scheldt Brewing Co. 7,602; Dec. 9.

California Fig Bread. For Bread. California Peach & Fig Growers. 7,601; Dec. 9.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Hisylvania Coal Company. 203,570; Dec. 9.
Coal. Perry Coal Company. 204,325; Dec. 9.
Coal. Puritan Tuttle Coal Co. 198,675; Dec. 9.
Flowers. Everlasting natural. C. P. Elchler. 202,745; Dec. 9.
Leather. Monarch Leather Company. 203,482; Dec. 9.
Leather. Monarch Leather Company. 204,180; Dec. 9.
Leather skins. J. Johns. 204,098; Dec. 9.
Plumbago. S. Obermayer Co. 184,093; Dec. 9.
Seed. A. R. Alves. 202,234; Dec. 9.

CLASS 2.

Bags. Paper. Union Bag & Paper Corporation. 202,084; Dec. 9.
Bins for nuts and bolts. G. Fritz. 203,076; Dec. 9.

CLASS 4.

Cleaners, dressings, creams, and polishes for footwear. H. Schwarzschild. 203,754; Dec. 9.
Cleaning composition. R. H. Jenkins. 203,954; Dec. 9.
Cleaning fluid. O. C. Apfel. 203,294; Dec. 9.
Cleaning fluid. A. Winburgh. 204,138; Dec. 9.
Cleanser. Solidoll Products Co. 204,203; Dec. 9.
Polish. Metal. B. & B. Laboratories. 203,710; Dec. 9.
Polishes. Preserving liquid for. Consolidated Chemical Works, Inc. 203,559; Dec. 9.
Soap. Ireland Brothers. 204,402; Dec. 9.
Soap. Pioneer Products Company. 186,611; Dec. 9.
Soaps. Nouvelle Savonnerie La Vierge Anciennes Usines Felix Eydoux. 184,417; Dec. 9.
Tallow. Welch, Holme & Clark Company. 200,918; Dec. 9.
Valve grinding compound. W. W. Biddick. 204,153; Dec. 9.

CLASS 5.

Adhesives. Arabol Mfg. Co. 198,215; Dec. 9.
Gums, sizings, and pastes. Huron Milling Company. 198,746; Dec. 9.

CLASS 6.

Adhesive plasters. Seabury & Johnson. 204,248-9; Dec. 9.
Antiseptic and healing compound. E. Olson. 201,713; Dec. 9.
Antiseptic, germ destroyer, etc. Zonite Products Company. 202,367; Dec. 9.
Chemical composition. L. F. Edwards. 204,357; Dec. 9.
Cough medicine. S. Silber. 190,557; Dec. 9.
Cream, tulle, face powder, etc. Skin and tissue. Richard Hindut. 201,750; Dec. 9.
Cuticle removers, nail white, and nail polish. Northam Warren Corporation. 203,832; Dec. 9.
Deplatory. Bika Co. 202,767; Dec. 9.
Dyestuffs and dye intermediates, soluble. Toch Brothers, Incorporated. 204,335; Dec. 9.
Hair-growing preparation. Edmund & Snyder. 200,387; Dec. 9.
Hair Preparation. Eston Manufacturing Co. 202,774; Dec. 9.
Hair tonic. J. Jennings. 203,955; Dec. 9.
Insecticide. Selig Company. 202,267; Dec. 9.
Medicinal preparation. R. Hoeller. 203,274; Dec. 9.
Medicinal preparation. O. R. Weygand. 202,783; Dec. 9.
Medicinal tonic. King Wholesale Drug Company. 202,872; Dec. 9.
Medicines. Bransky & Harris. 203,252; Dec. 9.
Perfumes, face powder, rouge, and compacts. Powder. Colgate & Company. 188,787; Dec. 9.
Perfumes, toilet water, face powder, etc. A. Schuhl. 199,187; Dec. 9.
Pills. Liver. E. O. Edgerton. 203,459; Dec. 9.
Powder and rouge. Colgate & Company. 200,478; Dec. 9.
Powder. Foot. J. H. Baker. 203,249; Dec. 9.
Powder. Roach and Insect. H. P. Fleming. 203,728; Dec. 9.
Powder, Tooth. J. H. Cannon. 185,561; Dec. 9.
Preparation for the treatment of colds, grippe, etc. A. C. Onnen. 201,009; Dec. 9.
Preparation for the treatment of gonorrhea. Theodor Telchgraber Aktiengesellschaft. 195,843; Dec. 9.
Preparation for the treatment of skin diseases. Theodor Telchgraber Aktiengesellschaft. 195,842; Dec. 9.

Preparation used as an anthelmintic. E. Merck. 203,830; Dec. 9.
Remedy for arteriosclerosis, anemia, etc. Societa Preparati Casali. 201,055; Dec. 9.
Remedy for disease of the bronchi and the lung. Societa Preparati Casali. 201,056; Dec. 9.
Remedy for diseased trees and shrubbery. F. O. Miner. 186,389; Dec. 9.
Remedy for indigestion, etc. L. L. Henry. 204,232; Dec. 9.
Remedy for tuberculosis, etc. Societa Preparati Casali. 201,057; Dec. 9.
Salts. Effervescent. H. R. Hulley. 203,470; Dec. 9.
Salves and healing ointment. Cancer and healing. Quinn & Potter. 185,494; Dec. 9.
Size for producing a finish, giving body and hand, and for use as a filler for silk, wool, etc. fabrics. Onyx Oil & Chemical Co. 203,426-7; Dec. 9.
Sprays. Insecticides, disinfectants, and deodorants. Hercules Chemical Co. 197,541; Dec. 9.
Toilet preparations. Lenthier, Inc. 203,378; Dec. 9.
Tonic for use as a mild laxative. Puritan Laboratories. 185,264; Dec. 9.
Tonics. J. G. Munsell. 203,383; Dec. 9.
Tooth paste and powder, preparation for treating skin infectious, and mouth wash. W. F. Lawrenz. 203,475; Dec. 9.

CLASS 11.

Ink. Writing. J. B. Sanders. 193,628; Dec. 9.

CLASS 12.

Greenhouses. William H. Lutton Company. 185,872; Dec. 9.
Lath. Expanded metal. Northwestern Expanded Metal Company. 192,264-5; Dec. 9.
Lumber. C. D. Johnson Lumber Company. 204,097; Dec. 9.
Mahogany timber and lumber. Aguna Mahogany & Timber Company. 201,943; Dec. 9.
Roofings, building papers, insulating paper, etc. Pioneer Paper Company. 203,198; Dec. 9.
Stucco. Magnesia. Art Stucco Company. 196,224; Dec. 9.
Suberous insulating sound-densening material. Korfund Company. 196,309; Dec. 9.

CLASS 13.

Bench legs and drawers, work stands, tool racks, etc. New Britain Machine Co. 199,487; Dec. 9.
Furniture. Metal shop. New Britain Machine Co. 199,485; Dec. 9.
Heating-system radiator hangers. C. H. Cobb. 203,256; Dec. 9.
House numbers, door knobs, door knockers, etc. United States Radium Corporation. 203,353; Dec. 9.
Plates, cups, saucers, pots, pans, etc. Icy-Hot Bottle Company. 167,634; Dec. 9.
Water-closet seats for infants. Van Arnam Manufacturing Company. 203,248; Dec. 9.
Wire gauze. Woven. Wertheimer Brothers Ribbons Inc. 202,425; Dec. 9.

CLASS 14.

Platinum, gold, and silver, and combinations, and platinum, gold, and silver solder. Katz & Ogush, Inc. 203,419; Dec. 9.
Steel and iron. Sheet. Dunham, Carrigan & Hayden Co. 203,168; Dec. 9.

CLASS 15.

Hydrocarbon fuel. Liquid. Protane Corporation. 202,356; Dec. 9.
Oils and greases. Lubricating. Fred G. Clark Company. 185,811; Dec. 9.
Oils. Motor. Keeton Oil Company. 196,595; Dec. 9.

CLASS 16.

Driers for paints and Japan driers. Toch Brothers, Incorporated. 203,014; Dec. 9.
Driers for paints and Japan driers. Toch Brothers, Incorporated. 203,243; Dec. 9.
Gum, Synthetic. A. Klipstein and Company. 199,065; Dec. 9.
Oil-soluble colors, paints, varnishes, etc. Toch Brothers, Incorporated. 203,030; Dec. 9.

CLASSIFIED LIST OF TRADE-MARK TITLES.

xv

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paint and varnish. Ready-mixed. John Sexton and Company. 187,777; Dec. 9.
Paint colors, pigments, and ready-mixed paints. Columbia Mills, Incorporated. 199,823; Dec. 9.
Paint colors, pigment, and ready-mixed paints. Columbia Mills, Incorporated. 199,879-80; Dec. 9.
Paint for metal products. Fac-Try-Lyk Paint Company. 191,680; Dec. 9.
Paints, varnishes, and paint enamels. Vernis Claessens S. A. Anet, Claessens Freres & Co. 199,266-7; Dec. 9.
Paints, varnishes, enamels, etc. Superior Paint Corp. 204,485; Dec. 9.
Polish. Furniture. Fuller Brush Company. 203,116; Dec. 9.
Varnish and paint remover. N. A. Reville. 204,197; Dec. 9.
Wood filler, enamels, paints, and varnishes. Smith-Alkop Paint and Varnish Company. 204,202; Dec. 9.

CLASS 17.

Tobacco, snuff, etc. Leaf, smoking, and chewing. Haus Neuerburg o. H. G. 201,446; Dec. 9.

CLASS 19.

Cabs, trucks, vans, bodies, stakes, covers, and side boards. Auto Truck Equipment Company. 187,241; Dec. 9.
Flexible supporting members for parts of automotive vehicles. Belfex Corp. 204,256; Dec. 9.

CLASS 21.

Blowers and driers. Bio Dry, Inc. 200,845; Dec. 9.
Electric controlling devices. Marshall Electric Company. 202,632; Dec. 9.
Electric-current transformers. Sleeper Radio Corporation. 203,035; Dec. 9.
Electric hot plates. C. V. Champlon & Company. 197,583; Dec. 9.
Electric lighting fixtures. Moe Bridges Company. 186,325; Dec. 9.
Electrical apparatus for automobiles, etc. L. Wise. 202,270; Dec. 9.
Electrical condensers. Danziger-Jones, Inc. 202,613; Dec. 9.
Electrical switches, electrical safety switches, and switch boxes, etc. Western Safety Mfg. Co. 201,420; Dec. 9.
Electrically-heated bathtubs. Confo Electric Iron Company. 203,228; Dec. 9.
Headlights. C. W. Winkler, Inc. 201,271; Dec. 9.
Radio-frequency transformers. Pfannstiel Radio Service Company. 203,191; Dec. 9.
Radio horns. American Hard Rubber Company. 203,018; Dec. 9.
Radio products. Walter W. Biddick, Inc. 201,531; Dec. 9.
Radio receiving sets and parts thereof. J. T. Sattels. 202,566; Dec. 9.
Radio receiving sets and parts thereof. Advance Automobile Accessories Corp. 202,430; Dec. 9.
Radio receiving sets and parts thereof. Chamberlin Electric Co. 202,794; Dec. 9.
Radio receiving sets and parts thereof. W. H. Priess. 202,758; Dec. 9.
Radio receiving sets and radio parts. Peerless Radio Corporation. 202,741; Dec. 9.
Radio receiving sets, parts thereof, and loop antennae thereof. Amplifex Radio Corporation. 201,643; Dec. 9.
Radio resistance-coupled amplifying units. Aerovox Wireless Corporation. 198,927; Dec. 9.
Radio supplies and wireless equipment. A. S. Hecht. 202,663; Dec. 9.
Radiotelephone head sets, radio receiving sets, and transformers. Goldschmidt Corporation. 200,488; Dec. 9.
Radiotransformers. Premier Electric Company. 187,535; Dec. 9.
Resistances. Coupling and grid-leak. Danziger-Jones, Inc. 202,612; Dec. 9.
Telephone systems, receivers for same, etc. Audiphone Company of America. 181,052; Dec. 9.
Telephonic receivers. Loud-speaking. E. A. Graham. 195,445; Dec. 9.
Tuning units, condensers, radio-set kits, etc. Iverson C. Wells & Son. 199,730; Dec. 9.

CLASS 22.

Bats, Baseball. A. H. Leathers. 199,233; Dec. 9.
Fish lines, hooks, and artificial fish lures. Morley-Murphy Hardware Company. 203,530; Dec. 9.
Toy telephones. Brinkman Engineering Company. 203,107; Dec. 9.

CLASS 23.

Bearings. Metal balls used in. Hollow Ball Company. 203,680; Dec. 9.
Engines. Burners and gas-burning appliances for internal-combustion. L. T. N. Manufacturing & Development System. 202,510; Dec. 9.
Engines. Gasoline and hand-car. Fairmont Railway Motors, Inc. 193,911; Dec. 9.

Fruit packing-house machinery. Stebler Parker Co. 202,151; Dec. 9.
Household articles. Ram Metal Products Co. 198,422; Dec. 9.
Knives, forks, and spoons. Icy-Hot Bottle Company. 167,635; Dec. 9.
Meat choppers, coffee mills, fruit presses, etc. Enterprise Manufacturing Company of Pennsylvania. 203,029; Dec. 9.
Pulley covering. W. H. Silvester. 201,983; Dec. 9.
Pumps and parts thereof, internal-combustion engines and parts thereof. Ralph B. Carter Company. 203,223; Dec. 9.
Saws. Regina Corporation. 203,748; Dec. 9.
Screw, chucking, and mortising machines, etc. New Britain Machine Co. 199,486; Dec. 9.
Screw, chucking, and mortising machines, chain-saw mortisers, etc. New Britain Machine Co. 199,488; Dec. 9.
Sprayers and parts thereof. Hudson Manufacturing Company. 187,000; Dec. 9.
Tractors. Crawler attachments for. Geo. H. Smith Steel Casting Company. 202,147; Dec. 9.
Vat pasteurizers, forewarmers, cheese vats, etc. Manning Manufacturing Company. 149,343; Dec. 9.
Vending machines. Columbus Vending Company. 200,613; Dec. 9.

CLASS 26.

Gauges for automobiles. Oil. William H. Young Manufacturing Company. 199,872; Dec. 9.
Ophthalmic mountings and parts thereof. Willson Goggles, Inc. 203,357; Dec. 9.
Projectors. Capitol Machine Co. 202,278; Dec. 9.
Weights. Test. E. and T. Fairbanks and Company. 203,303; Dec. 9.

CLASS 27.

Clocks and watches. New Haven Clock Co. 202,299; Dec. 9.
Watches. R. M. Shipley. 195,419; Dec. 9.
Watches and clocks. J. Garou. 201,083; Dec. 9.
Watches, watch movements and parts thereof, and watch-cases. L. Lauter. 203,187; Dec. 9.

CLASS 28.

Bracelets and chains. J. F. Sturdy's Sons Company. 203,490; Dec. 9.
Buttons. Gold-washed collar. D. H. Kane. 193,523; Dec. 9.
Chains and chain links, bracelets, cuff links, etc. W. A. H. Wells Co. 201,633; Dec. 9.
Pearls and precious stones and jewelry. M. Tecla & Co. 169,192; Dec. 9.
Precious and semiprecious stones and gems, etc. Milnor, Inc. 202,175; Dec. 9.
Rings of precious metal, finger. Friedman Brothers. 203,374; Dec. 9.

CLASS 30.

China ware, pottery, crockery, porcelain, etc. L. Bamberger & Company. 204,298; Dec. 9.

CLASS 36.

Charinets, cornets, violins, etc. A. Burdwise. 196,230; Dec. 9.
Photograph records. Greek National Opera Records Co. 203,235; Dec. 9.
Talking machines and phonographs. Sonora, Inc. 183,948; Dec. 9.

CLASS 37.

Paper, and pens and pencils. Articles made of. Fisher Bros. Paper Company. 200,877; Dec. 9.
Paper napkins, doilies, and tablecloths. Icy-Hot Bottle Company. 167,639; Dec. 9.

CLASS 39.

Bandeaux. J. M. Levy. 196,462; Dec. 9.
Boots and shoes. International Shoe Company. 203,416-18; Dec. 9.
Boots and shoes. Muskin Shoe Company. 196,925; Dec. 9.
Boots, shoes, and slippers. Whitney-Roth Shoe Co. 202,731; Dec. 9.
Clothing, Female. J. N. Jacobs. 202,574; Dec. 9.
Coats. Lefkowitz & Pitofsky Inc. 202,400; Dec. 9.
Coats, cloaks, wraps, capes, etc. Salt's Textile Company. 203,596; Dec. 9.
Coats, vests, pants, and overcoats. Men's. Rosenberg Bros. & Co. 202,145; Dec. 9.
Corsets, girdles, brassieres, and combination garments. Polaire Corsets, Inc. 198,378; Dec. 9.
Corsets, shoulder braces, men's underwear. C. Munter. 202,595; Dec. 9.
Dresses. Artistic Knitting Mills. 186,625; Dec. 9.
Dresses, Ladies' and misses'. Lipson & Adelson. 203,379; Dec. 9.
Dresses, Ladies' and misses'. L. Olchin & Co. 202,138; Dec. 9.
Furs. Jacobs & Sacks. 203,213; Dec. 9.
Gloves. Steinberger Bros. Lobl Co. 178,776-7; Dec. 9.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Gloves, underwear, and hosiery. Julius Kayser & Co. 200,321; Dec. 9.
Hats. Baron Bros. Millinery Company. 202,373; Dec. 9.
Hats. Hill and Loper Company. 203,679; Dec. 9.
Hose, Children's sport. Gearhart Knitting Machine Company. 203,309-10; Dec. 9.
Hosiery. A. V. Victorius & Co. 194,034; Dec. 9.
Hosiery, underwear, and sweaters. E. M. Hatz. 202,701; Dec. 9.
Hosiery, Women's. Proper Silk Hosiery Mills, Inc. 185,839; Dec. 9.
Jackets. Wyman, Partridge & Co. 202,655-6; Dec. 9.
Overalls. Falls City Mills Company. 202,247; Dec. 9.
Overcoats, Men's. Snellenburg Clothing Company. 197,054; Dec. 9.
Pants, trousers, jumpers, vests, etc. H. G. Nichol. 202,314; Dec. 9.
Robes, lingerie, capes, and blouses. Chenet Soeurs, Inc. 203,510; Dec. 9.
Rubber and composition heels. Plitzuch Wonder Arch Gaidle Heel Company. 184,514; Dec. 9.
Shirts. J. D. Silberstein & Sons, Inc. 202,681; Dec. 9.
Shirts, Work. Feldman & Welman. 203,405; Dec. 9.
Shoes. S. Goldman's Sons. 203,566; Dec. 9.
Shoes. J. K. Orr Shoe Company. 200,370; Dec. 9.
Shoes, Children's. Foot, Schulze & Co. 202,622; Dec. 9.
Shoes, Insoles, and outer soles. Allen Spiegel Shoe Mfg. Co. 202,847; Dec. 9.
Shoes, slippers, and boots, Ladies'. Homan-Hughes Company. 203,315; Dec. 9.
Suits and overcoats, Men's and boys' outer. Driesen, Meyer & Gransky. 203,302; Dec. 9.
Suits and uniforms, Motor. Falls City Mills Company. 199,157; Dec. 9.
Suits, Men's. Hickey-Freeman Company. 203,177; Dec. 9.
Suits, Men's. Tanenhaus Bros. Inc. 201,382; Dec. 9.
Suits, overcoats, dress shirts, etc. M. M. Halpern, Inc. 202,556; Dec. 9.
Sweaters, vests, and jackets. Knitted. Max Mayer & Sons Co. 199,024; Dec. 9.
Union suits, Children's. Catamount Mfg. Co. 202,162; Dec. 9.

CLASS 42.

Sheets and pillowcases. A. Siller. 201,105; Dec. 9.
Textile fabrics of cotton. Wm. E. Hooper & Sons Co. 201,500; Dec. 9.
Woolen piece goods. Strong, Hewitt & Co. 203,343; Dec. 9.

CLASS 44.

Dental filling material. P. W. Kruger. 189,712-15; Dec. 9.
Garment used as a weight or girth reducer, Form-fitting. L. K. Landsberger. 203,422; Dec. 9.
Manducure instruments. Payne Manufacturing Company. 193,121; Dec. 9.
Sanitary belts. Health-Tex Products Corporation. 201,749; Dec. 9.

CLASS 45.

Beverage. G. R. Debnam, Jr. 202,694; Dec. 9.
Beverage sold as a soft drink. Manitou Mineral Water Company. 203,883; Dec. 9.
Cider. Wayne County Produce Co. 201,214; Dec. 9.

CLASS 46.

Apples, Raw. E. Clark. 188,181; Dec. 9.
Bread. D. P. Woolley. 204,628; Dec. 9.
Candles. Loft, Inc. 203,960; Dec. 9.
Candy. Bradley, Smith Co. 203,715; Dec. 9.
Candy. Nunnally Company. 203,744; Dec. 9.
Candy. J. S. Thalen. 203,671; Dec. 9.
Canned berries, fruits, and vegetables. Eugene Fruit Growers Association. 203,799; Dec. 9.
Canned fruit and berries. Pacific North West Canning Co. 203,893-6; Dec. 9.
Canned fruit and berries. Pacific North West Canning Co. 203,898-900; Dec. 9.
Canned fruits. Hunt Brothers Packing Company. 200,447; Dec. 9.
Canned fruits and vegetables. California Co-Operative Canneries. 191,872; Dec. 9.
Canned fruits and vegetables. Haas Brothers. 203,730; Dec. 9.
Canned fruits, berries, and vegetables. Hudson & Company. 202,502; Dec. 9.
Canned pineapple. Duckworth & Co. 204,018; Dec. 9.
Canned salmon. New England Fish Co. 183,534; Dec. 9.
Canned sardines. Johnson's Bay Canning Company. 198,641; Dec. 9.
Canned vegetables. Minnesota Crosby Corn Exchange. 202,412; Dec. 9.
Canned vegetables. R. G. Schmidt. 202,717; Dec. 9.
Chocolate confection. A. E. Sandhaus. 204,478; Dec. 9.
Eggs, dried beef, breakfast bacon. Power-Kearny Market Co. 160,204; Dec. 9.
Feeds. Alfocorn Milling Company. 202,194; Dec. 9.
Fish chowder. U. J. Masburn. 199,711; Dec. 9.
Flour. Prepared pancake. Citizens' Wholesale Supply Company. 204,157; Dec. 9.
Flour, Self-rising. Union Grocery Company. 204,129; Dec. 9.
Flour, Self-rising. Union Grocery Company. 204,132; Dec. 9.
Flour, Self-rising wheat. Union Grocery Company. 204,128; Dec. 9.
Fruits, cantaloupes, and vegetables, Fresh. Snyder Packing Co. 202,308; Dec. 9.
Fruits, Fresh and dried. A. Mattel. 203,828; Dec. 9.
Grapes. Exeter Fruit Association. 203,726-7; Dec. 9.
Ham and bacon. Jacob Moschel's Sons Inc. 201,300; Dec. 9.
Lard and butter. Field Packing Company. 161,677; Dec. 9.
Oil, Olive. A. Bologna & Company. 200,805; Dec. 9.
Oranges. Santiago Orange Growers Association. 203,842; Dec. 9.
Peppers, Dried red. Frank Tea & Spice Co. 203,805-6; Dec. 9.
Pop corn, Chocolate-coated. E. Panza. 202,677; Dec. 9.

CLASS 50.

Dress dividers. Redox Paper Products Inc. 200,581; Dec. 9.
Viscose caps for bottles and similar packages. Capes-Viscose, Inc. 191,327; Dec. 9.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Adrian O., Jr., Detroit, Mich., assignor to Morgan & Wright, Flap-making machine. 1,518,237; Dec. 9.
Abbott, Adrian O., Jr., assignor to Morgan & Wright, Detroit, Mich. Process and apparatus for emptying vulcanizing bags. 1,518,238; Dec. 9.
Action Gesellschaft für Anilin Fabrikation. (See Herzberg, W. and Scharfberg, assignors.)
Adams, William C., Attleboro, Mass. Knitting machine. 1,518,378; Dec. 9.
Adecock, Wiley L., et al. (See Perry, William G., assignor.)
Addressograph Company. (See Duncan, Joseph S., assignor.)
Aetna Machine & Mfg. Co. (See Langlykke, Peter I., assignor.)
Aglow, Harry, New York, N. Y., assignor to Artercraft Metal Stamping Corporation. Lighting fixture part. Dec. 60,173; Dec. 9.
Aglow, Harry, New York, N. Y., assignor to Artercraft Metal Stamping Corporation. Arm for lighting fixtures. Dec. 66,174; Dec. 9.
Aikman, Burton S., assignor to National Brake & Electric Company. Milwaukee, Wis. Pumping system. 1,518,890; Dec. 9.
Allatt, Thomas, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y. Tag machine. 1,518,551; Dec. 9.
Allen, Ernest C. (See Frederick, C. W., and Allen.)
Allen, Harry C., Detroit, Mich. Tractor. 1,518,294; Dec. 9.
Allen, Robert C., assignor to Westinghouse Electric & Manufacturing Company. Essington, Pa. Finishing gear teeth. 1,518,679; Dec. 9.
Allen, W. L., et al. (See Thomas, Martin E., assignor.)
Allison, Harvey, New York, N. Y. Figure wheeled toy. 1,518,725; Dec. 9.
American Automatic Connector Company, The. (See Barber, Martin A., assignor.)
American Can Company. (See Nelson, C. J., and Wideh, assignors.)
American Cellulose and Chemical Manufacturing Company. (See Miles, George W., assignor.)
American Chain Company. (See Conner, Edward A., assignor.)
American Electric Company. (See Burns, Peter C., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Optical Company. (See Currier, Bernard P., assignor.)
American Optical Company. (See Dey, Gilbert S., assignor.)
American Optical Company. (See Glancy, Anna E., assignor.)
American Optical Company. (See Hill, H. W., and Styll, assignors.)
American Optical Company. (See King, Walter G., assignor.)
American Smelting and Refining Company. (See Whitley, Charles W., assignor.)
American Tar Products Company. (See Puening, Franz, assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Tobacco Company, The. (See Dalton, John T., assignor.)
Anderson, Albert F., and C. C. Hayes, Auburn, Wash. Electric fixture hanger. 1,518,768; Dec. 9.
Anderson, Bert, New Orleans, La., assignor to Anderson, Clayton & Co. Bale tie. 1,518,767; Dec. 9.
Anderson, Clayton & Co. (See Anderson, Bert, assignor.)
Anderson, Hector G. S. (See Thornhill, E. B., and Anderson.)
Andreini, Corrado, Grosseto, Italy. Pump of variable resistance. 1,518,833; Dec. 9.
Andrus, Franklin B., Chicago, Ill. Bucket conveyor. 1,518,951; Dec. 9.
Angell, Albert, Jr., Wilmette, assignor to Rosenbaum Brothers, Inc., Chicago, Ill. Poultry feeder. 1,518,891; Dec. 9.
Angle Bumper Corporation, The. (See Price, Frank E., assignor.)
Anthony, Earle C., Inc. (See MacArthur, Blanche A., assignor.)

Arndt, Franklin E., assignor to The Gallon Iron Works & Mfg. Co., Gallon, Ohio. Steering mechanism for road graders. 1,518,681; Dec. 9.
Arnold, G. C., et al. (See Thomas, Martin E., assignor.)
Arnold, Philip S., Highland Park, assignor to M. O. Cross, Detroit, Mich. Gear-tooth-rounding machine. 1,518,239; Dec. 9.
Arnot, William D., Columbus, Ohio. Reflectograph. 1,518,680; Dec. 9.
Aronson, David N., et al. (See Nilson, Karl V., assignor.)
Aronson, Louis V. (See Evans, Fred, assignor.)
Artercraft Metal Stamping Corporation. (See Aglow, Harry, assignor.)
Arutloff, Arnals, Berlin, Germany, assignor to S. Springett, Jackson, Mich. Electric motor with squirrel-cage rotor. 1,518,952; Dec. 9.
Ashton, William J., Dallas, Tex. Vending rack. Re15,958; Dec. 9.
Asner, John I., Baltimore, Md. Bumper for automobiles. 1,518,953; Dec. 9.
Assheton, William, Baltimore, Md. Web printing and winding mechanism. 1,518,954; Dec. 9.
Automatic Electric Company. (See Lomax, Clarence E., assignor.)
Automatic Machinery Company. (See Johnson, William H., assignor.)
Babbitt, Arthur B., assignor to The Kent Machine Company, Kent, Ohio. Tamping machine. 1,518,240; Dec. 9.
Babendreer, Albert, Ocean Springs, Miss., assignor to Whole Grain Wheat Company, Phoenix, Ariz. Apparatus for treating foods. 1,518,552; Dec. 9.
Backlund, Knute, Pittsburgh, Pa. Tie member for concrete forms. 1,518,955; Dec. 9.
Bacon, George M., assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah. Computing machine. 1,518,172; Dec. 9.
Bacon, George M., assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah. Computing machine. 1,518,173; Dec. 9.
Bacon Multiplier, Incorporated. (See Bacon, George M., assignor.)
Badische Anilin- & Soda-Fabrik. (See Mittasch, A., and Balz, assignors.)
Baez, Henry, St. Louis, Mo. Ventilating apparatus. 1,518,127; Dec. 9.
Balma, Dominick B., Detroit, Mich. Tire carrier. 1,518,295; Dec. 9.
Baird, David M., Bellefourche, S. Dak. Animal-feeding device. 1,518,553; Dec. 9.
Baker, Bertram F. (See McClellan, Walter N., assignor.)
Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Signalling system. 1,518,682; Dec. 9.
Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Signalling system. 1,518,683; Dec. 9.
Baldwin, Martin, Detroit, Mich., assignor, by mesne assignments, to The Brewer-Titchener Corporation, Cortland, N. Y. Vehicle top. 1,518,128; Dec. 9.
Ball, Cecil L., Stockton, Calif. Game score box. 1,518,476; Dec. 9.
Ball, Harry V., Montreal, Quebec, Canada, assignor to R. Hoe and Co., New York, N. Y. Web joining and pasting device. 1,518,241; Dec. 9.
Ball, Morgan A., assignor of one-fifth to A. S. Dixon, Los Angeles, Calif. Cotton picker. 1,518,296; Dec. 9.
Balz, Otto. (See Mittasch, A., and Balz.)
Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Apparatus for treating rubber and other heavy plastic material. 1,518,129; Dec. 9.
Barach, Louis V., Pittsburgh, Pa. Game appliance. 1,518,130; Dec. 9.
Barber, Ernest, Paterson, N. J. Let-off mechanism for looms. 1,518,379; Dec. 9.
Barber, Martin A., Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del. Automatic train-pipe connector. 1,518,380; Dec. 9.
Barr, Archibald, and W. Stroud, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Fire-control apparatus, determination of quadrant of enemy's course. 1,518,477; Dec. 9.

Barr, Archibald, and W. Stroud, Anniesland, Glasgow, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Antiaircraft fire-control apparatus. 1,519,015; Dec. 9.

Barr, Howard W., et al. (See Kruse, Frederick P., assignor.)

Barr and Stroud, Limited. (See Barr, A., and Stroud, assignors.)

Barry, David M., Bristol, and L. C. Humason, Farmington, assignors to The Humason Manufacturing Company, Forestville, Conn. Enameling coil springs. 1,519,085; Dec. 9.

Barth, Robert C., Hamburg, Germany. Machine for shaping the teeth of bevel wheels by generating movements. 1,518,174; Dec. 9.

Barton, Bernard C., Kingston-upon-Hull, and R. H. Carr, Leeds, England. Valve for controlling the admission of high and low pressure liquid to hydraulic presses. 1,518,297; Dec. 9.

Basel, Eli A., Kansas City, Mo. Controlling device for oil burners. 1,518,298; Dec. 9.

Batchelder, Rylaud D. (See Foley, H. J., Dilloway, and Batchelder.)

Bates, Mortimer F., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Self-damping gyropendulum. 1,518,892; Dec. 9.

Battle Creek Bread Wrapping Machine Company. (See Metcalf, Howard H., assignor.)

Bauer, Carl. (See Bauer, Frederick C. and C. Bauer, Frederick C. and C., Glenside, Pa. Toy gravity railway. 1,518,893; Dec. 9.

Baumgartl, Leroy, and J. D. Hule, assignors to Ram-spring Bumper Company, Chicago, Ill. Automobile bumper. 1,518,381; Dec. 9.

Bazeley, Arthur J., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,518,242; Dec. 9.

Bazeley, Arthur J., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,518,299; Dec. 9.

Bazeley, Arthur J., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,518,300; Dec. 9.

Beauty Products Company. (See Cameron, Robert T., assignor.)

Beecroft, Edgar C., Pelham Manor, N. Y. Crutch or like article. 1,518,382; Dec. 9.

Beltman, Albert B., Cleveland, Ohio. Combined rear-view mirror and glare screen. 1,518,956; Dec. 9.

Bellitz, Samuel, Camden, N. J. Skullcap. 1,519,016; Dec. 9.

Benge, Louis, Sterling, Colo. Apparatus for reclaiming waste lubricating oils. 1,518,684; Dec. 9.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Manufacturing Company. (See Leinen, Arthur F., assignor.)

Benjamin Engineering Company, The. (See Hess, L. J., and Benjamin, assignors.)

Benjamin, Merrill G. (See Hess, L. J., and Benjamin.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch mechanism. 1,518,383; Dec. 9.

Benner, Raymond C., and H. F. French, Fremont, Ohio, assignors to National Carbon Company, Inc. Dry battery. 1,518,391; Dec. 9.

Bennett, Henry G., and I. Rowe, Sheffield, England. Sharpener for knives and other cutting tools. 1,518,726; Dec. 9.

Benson, Bernhart A., Chicago, Ill., assignor to Edmunds & Jones Corporation. Electric switch. 1,518,957; Dec. 9.

Berezik, John, Daisytown, Pa. Snowplow. 1,518,685; Dec. 9.

Berling, John L., Silsbee, Tex. Holder. 1,518,554; Dec. 9.

Berman, Irving J. (See Lisson, Louis, assignor.)

Bernardo, Ventura. (See Ditto, Alfonso, assignor.)

Berman, Frederick W., Newark, N. J. Date printer. 1,518,478; Dec. 9.

Berryman, William R., Brooklyn, N. Y. Shuttle bobbin. 1,518,958; Dec. 9.

Bessat, Adolphe, and L. L. Lévens, Nanterre, France. Duplicating apparatus. 1,518,959; Dec. 9.

Blalik, Paul, Eagle Park, Ill. Adding machine. 1,518,131; Dec. 9.

Blchuss, Elias, assignor to H. A. Gardner, Washington, D. C. Nitrochlor derivatives of open-chain hydrocarbons and making same. 1,519,047; Dec. 9.

Blcher Co., The. (See Kelsor, Arthur J., assignor.)

Blid Machine Company. (See Hammond, James W., assignor.)

Birdsall, George A., Galt, Ill. Ventilated hat. 1,518,132; Dec. 9.

Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for binding the edges of plaster wall board. 1,518,243; Dec. 9.

Birmingham Iron Foundry. (See Randury, Fernley H., assignor.)

Blair, John E., Ardmore, Okla. Gasoline tank. 1,518,686; Dec. 9.

Blawie, Elmer C., Kansas City, Mo. Cracking apparatus. 1,518,555; Dec. 9.

Blatner, Bessie M., Chicago, Ill. Novelty place card. 1,518,834; Dec. 9.

Blaustein, Abe B., assignor, by mesne assignments, to Electrical Development Corporation, Butte, Mont. Stopping drill. 1,518,384; Dec. 9.

Bliss, William L., Niagara Falls, N. Y., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Steam-regulating means. 1,518,894; Dec. 9.

Boettcher, Jacob H. L., Orange, N. J. Device for packing articles. 1,518,556; Dec. 9.

Boettcher, Jacob H. L., Orange, N. J. Apparatus for packing articles. 1,518,557; Dec. 9.

Boettcher, Jacob H. L., Orange, N. J. Machine for packing articles. 1,518,558; Dec. 9.

Bohn, Chas. B., Foundry Co., The. (See Emery, Howard, assignor.)

Bond, Alexander R. (See Walker, J. B., and Bond.)

Bongort, George M., Camden, N. J. Liquid-oil-burning apparatus. 1,518,895; Dec. 9.

Bonniksen, Baane, Leamington, England. Speed or like indicating device. 1,518,244; Dec. 9.

Bornstein, Benjamin, Saumoklin, Pa. Combination magnetic stamp. 1,518,727; Dec. 9.

Boudreau, Adior, Oakland, Calif. Hose-winder clamp. 1,519,018; Dec. 9.

Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,518,385; Dec. 9.

Bowser, Estella H., El Dorado, Ark. Sucker-rod joint. 1,518,960; Dec. 9.

Boyce, Harrison H., Forest Hills, N. Y. Temperature-indicating instrument for motor-vehicle radiators. 1,518,896; Dec. 9.

Boye, James H., Chicago, Ill. Curtain fixture. 1,518,245; Dec. 9.

Boylan, Samuel H., Joplin, Mo., assignor to The Ore Reclamation Company, Baxter Springs, Kans. Separator and classifier. 1,519,019; Dec. 9.

Braden, Albert R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making patterns for castings. 1,518,133; Dec. 9.

Brager, Carl S. (See Thovson, T. O., Bray, Brager, and Brager.)

Brager, Oliver. (See Thovson, T. O., Bray, Brager, and Brager.)

Brandenburg, Francis C., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Shovel. 1,518,246; Dec. 9.

Braun-Bruning & Co. (See Schröder, Edmund, assignor.)

Bray, Elmer. (See Thovson, T. O., Bray, Brager, and Brager.)

Brayton, Arthur B. (See Smith, Cyrus E., assignor.)

Brayton, Harold M., Dover, N. J. Tracer fuse. 1,518,247; Dec. 9.

Brehm, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Rising front mechanism for cameras. 1,518,535; Dec. 9.

Brennan, John S., Milwaukee, Wis. Overflow pan for grids. 1,518,728; Dec. 9.

Brewer, Harry, Sidney, Nebr. Hose coupling. 1,518,479; Dec. 9.

Brewer-Titchener Corporation, The. (See Baldwin, Martin, assignor.)

Bristol Folding Base Company The. (See Wester, Adolf V., assignor.)

Brod, Albert, New York, N. Y. Ring. Des. 66,175; Dec. 9.

Brod, Albert, New York, N. Y. Ring. Des. 66,176; Dec. 9.

Broluska, Amel B. and H. A., assignors of one-third to C. Callihan, Detroit, Mich. Spark plug. 1,518,248; Dec. 9.

Broluska, Harry A. (See Broluska, Amel B. and H. A.)

Brookins, Andrew J., Chicago, Ill. Governor for automatic control apparatus for railways. 1,518,249; Dec. 9.

Brower, Abraham T. H., Chicago, Ill. Folding cot. 1,518,386; Dec. 9.

Brown, Frank N., Jr., El Paso, Tex. Casting machine. 1,518,630; Dec. 9.

Brown, George G., Jr., Ann Arbor, Mich. Carburetor. 1,518,559; Dec. 9.

Bruckner, Elliott W. and H. R., Jersey City, N. J. Cry-producing device for toys. 1,518,897; Dec. 9.

Bruckner, Henry B. (See Bruckner, Elliott W. and H. R.)

Brunend, Hudger, Woonsocket, R. I. Picker rod. 1,518,631; Dec. 9.

Brunk, Joseph F., Basin, Wyo. Wire stretcher. 1,518,769; Dec. 9.

Brunner, Albert H., Oak Park, assignor to Raymond Bros. Engineering Co., Chicago, Ill. Conveying apparatus. 1,518,898; Dec. 9.

Buchanan, Isaac W. P., Lebanon, Tenn. Hairbrush. 1,518,480; Dec. 9.

Buchanan, Peter F., London, Ontario, Canada. Packing device for paper cups and the like. 1,518,481; Dec. 9.

Bulla, Daniel R., Sophia, N. C. Pocket spiritum-cup holder. 1,518,392; Dec. 9.

Bullock, Raymond G., Baltimore, Md. Roller suspension. 1,518,687; Dec. 9.

Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 66,177; Dec. 9.

Burdette, Robert T., Chicago, Ill. Metal railway tie. 1,518,387; Dec. 9.

Burgess, Samuel P., Rock Island, Ill. Register. Des. 66,178; Dec. 9.

Burks, Arthur W., assignor to Decatur Pump & Manufacturing Company, Decatur, Ill. Pump. 1,518,134; Dec. 9.

Burns, Peter C., assignor to American Electric Company, Chicago, Ill. Stop pin. 1,518,729; Dec. 9.

Burns, Samuel H., Brooklyn, N. Y. Crochet hook and holder. 1,518,961; Dec. 9.

Burrows, Robert J., assignor to Clark Tractor Company, Buchanan, Mich. Vehicle brake-operating mechanism. 1,518,770; Dec. 9.

Busch, Herman C., Denver, Colo. Broken-lens cap. 1,518,175; Dec. 9.

Byberg, Jonas J., Silverton, Oreg. Ladder. 1,518,303; Dec. 9.

Cage, John M., Santa Monica, Calif. Condenser. 1,518,688; Dec. 9.

Callill, James H., assignor to Sears, Roebuck and Co., Chicago, Ill. Pneumatic painting apparatus. 1,518,135; Dec. 9.

Cabin, Bernard, Stockton, Calif. Dress folder. 1,518,304; Dec. 9.

Callihan, Cyril. (See Broluska, Amel B. and H. A., assignors.)

California Cedar Products Company, The. (See Makowski, John F., assignor.)

Callisen, Jürgen, Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Choline compound having laxative properties. 1,518,689; Dec. 9.

Cameron, George W., deceased, Hondo, Tex.; M. E. Cameron, executrix. Signal. 1,518,176; Dec. 9.

Cameron, Moile E., executrix. (See Cameron, George W.)

Cameron, Robert T., Memphis, Tenn., assignor to Beauty Products Company, New York, N. Y. Comb. 1,518,388; Dec. 9.

Campbell, Arthur B., Bridgeport, Conn. Chair-leg cushion. 1,518,771; Dec. 9.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Automatic closing device for windows. 1,518,632; Dec. 9.

Campbell, Jacob W., Wendell, Pa. Mine drill. 1,518,250; Dec. 9.

Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)

Caracristi, Virgilius Z., Bronxville, N. Y. Boiler. 1,518,899; Dec. 9.

Carbide & Carbon Chemicals Corporation. (See Curme, George O. J., assignor.)

Cardon, Harry F., Lawrenceburg, Tenn. Cattle guard. 1,518,772; Dec. 9.

Cardon, Harry F., Lawrenceburg, Tenn. Lock washer. 1,518,773; Dec. 9.

Carlson, Gustave O., Wethersfield, Conn., assignor to Mayhew Steel Products, Inc., New York, N. Y. Hand tool. 1,518,251; Dec. 9.

Carlson, Wendell L., and E. C. Hanson, Washington, D. C. Radiotelegraph system. 1,518,655; Dec. 9.

Carman, Hayman V., Sherman, Tex., assignor of one-eighth to T. A. Petty, Bristow, Okla., one-fourth to L. G. Purkey and one-fourth to C. C. Purkey, Sherman, Tex. Roll-weevil destroyer. 1,518,305; Dec. 9.

Carpenter, Herbert W., Byers, Tex. Cultivator disk attachment for planters. 1,518,177; Dec. 9.

Carpenter, Rupert E. H., Purley, England. Radio signaling system and apparatus therefor. 1,518,633; Dec. 9.

Carroll, Alexander W., Elizabeth, N. J. Loading apparatus. 1,518,560; Dec. 9.

Carroll, Alexander W., Elizabeth, N. J. Lifting platform. 1,518,561; Dec. 9.

Carry, Edward F., Chicago, Ill. Draft gear. 1,518,389; Dec. 9.

Carr, Richard H. (See Barton, R. C., and Carr.)

Carter's Ink Company, The. (See Rapley, H. J., and Kendrick, assignors.)

Casel, Franz, assignor to the Firm Rheinische Stahlwerke, Duisburg-Meiderich, Germany. Rolling mill. 1,518,836; Dec. 9.

Cashin, William H., Detroit, Mich. Rear-end signaling device for motor-driven vehicles. 1,518,690; Dec. 9.

Cason, Dick K., Jr., Orange, Tex. Safety clutch for drill stems. 1,518,634; Dec. 9.

Cater, William H., Chicago, Ill. Well and method of sinking. 1,518,390; Dec. 9.

Chaloner, Thomas T., New York, N. Y. Safety device for railway gates. 1,518,962; Dec. 9.

Chamberlain, Minor E., St. Louis, Mo. Metallic lath. 1,518,391; Dec. 9.

Chaplin-Fulton Manufacturing Company, The. (See Ralston, William S., assignor.)

Chefko, Helen. (See Chefko, Joseph, assignor.)

Chefko, Joseph, assignor to H. Chefko, New York, N. Y. Game. 1,518,178; Dec. 9.

Chevrette, Augustin J., Worcester, and E. H. Ryon, Waltham, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Web-carrier support and releasing device. 1,518,392; Dec. 9.

Chicago Malleable Castings Company. (See Osborn, Warren M., assignor.)

Chilton, Franklin H., Union City, Conn. Window-shade fixture. 1,518,252; Dec. 9.

Chocolate Sponge Co., The. (See Laskey, Philip B., assignor.)

Christenson, Helge A., et al. (See Nilson, Karl V., assignor.)

Christie, John. (See Spidel, C. F., and Christie.)

Cincinnati Blackford Tool Company, The. (See Klausmeyer, David C., assignor.)

Civils, James A., assignor to Titchener-Diehl Company, Chicago, Ill. Curtain-rod bracket. 1,518,963; Dec. 9.

Clark, Edward F., assignor to W. G. Clark & Co., Inc., North Attleboro, Mass. Button or stud. 1,518,179; Dec. 9.

Clark, Robert, Kew Gardens, Surrey, assignor of one-half to G. A. Mower, London, England. Fire-sprinkler system and the like. 1,518,964; Dec. 9.

Clark Tractor Company. (See Burrows, Robert J., assignor.)

Clark, W. G., & Co. (See Clark, Edward F., assignor.)

Clark, William H., Juliette, Ga. Anchor plate. 1,518,482; Dec. 9.

Claybourn, Leslie W., Menasha, Wis. Correcting printing presses. 1,518,562; Dec. 9.

Claybourn, Leslie W., Milwaukee, Wis. Apparatus for correcting printing presses. 1,518,563; Dec. 9.

Clegg, Hobart, Belle Vernon, Pa. Game. 1,518,306; Dec. 9.

Clox-Lite Mfg. Company. (See Hall, George L., assignor.)

Coble, David C., Elizabethtown, Pa. Jarring machine. Re15,959; Dec. 9.

Cochrane Corporation. (See Gibson, George H., assignor.)

Coffman, Edgar C., El Monte, Calif. Automobile lock. 1,519,086; Dec. 9.

Cohen, Schuyler F. (See Waters, Gilbert C., Jr., assignor.)

Colbert, William J., Fall River, Mass. Heddle screw hook. 1,518,900; Dec. 9.

Cole, Theodore S., New Haven, Conn. Radio telephone and telegraph apparatus. 1,518,564; Dec. 9.

Collins, Charles F., and F. J. Mayer, Woodhaven, N. Y. Valve plug for inflated bodies. 1,518,901; Dec. 9.

Colson Company, The. (See Roe, Mayo E., assignor.)

Combustion Engineering Corporation. (See Nygaard, Oscar O., assignor.)

Compressed Paper Box Corporation, The. (See Wilson, Clarence C., assignor.)

Conant, David J., San Jose, Calif. Pump. 1,518,965; Dec. 9.

Conboy, Everett W. (See Flood, T. A., and Conboy.)

Conner, Edward A., Bridgeport, Conn., assignor to American Chain Company, Inc. Cable-making machine. 1,518,253; Dec. 9.

Conner, James S., Roanoke, Ala. Piano action. 1,518,483; Dec. 9.

Conrad, Albert L., Pasadena, Calif. Agricultural implement. 1,518,774; Dec. 9.

Cordley, Henry G., Glen Ridge, N. J., and G. R. Long, Waterbury, Conn. Faucet. 1,518,775; Dec. 9.

Cooke, George J., Chicago, Ill. Expansion valve. 1,518,180; Dec. 9.

Cooke, George W., Jamaica, assignor to George W. Cooke Co., Inc., Brooklyn, N. Y. Faucet. 1,518,307; Dec. 9.

Cooke, George W., Co. (See Cooke, George W., assignor.)

Cooley, Frank R., Springfield, Mo. Dishwasher. 1,518,484; Dec. 9.

Coots, William G., Nyabing, Western Australia. Australia. Handle for sheet-metal containers. 1,518,635; Dec. 9.

Copeman, Lloyd G., Flint, Mich. Casting stone. 1,518,254; Dec. 9.

Cordley, Henry G., Glen Ridge, N. J., and G. R. Long, Waterbury, Conn. Measuring device. 1,518,991; Dec. 9.

Corning Glass Works. (See Gage, Henry P., assignor.)

Cory, Chas., & Son, Incorporated. (See Jones, Joseph S., assignor.)

Cowgill, George W., Evanston, Ill. Flying machine. 1,518,485; Dec. 9.

Cowgill, H. J., et al. (See Rundell, Sam S., assignor.)

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,565; Dec. 9.

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,566; Dec. 9.

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,567; Dec. 9.

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,568; Dec. 9.

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,569; Dec. 9.

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,570; Dec. 9.

Cowles, Alfred H., Seward, N. J., assignor to The Electric Smelting and Aluminum Co., Cleveland, Ohio. Fertilizer. 1,518,571; Dec. 9.

Cozette, René, Courbevoie, France. Carburetor. 1,519,081; Dec. 9.

Craig, David, Peabody, Mass., assignor of one-half to C. H. Lovey, Pittsburgh, Pa. Roof ventilator. 1,518,691; Dec. 9.

Craig, Joseph E., Gary, Ind. Impression tray. 1,518,308; Dec. 9.

Craver, Oscar C., Philadelphia, Pa. Knife-sharpener attachment. 1,518,181; Dec. 9.

Crawford, Ephraim A. and M. B., Carthage, Mo. Gate. 1,518,309; Dec. 9.

Crawford, Martha B. (See Crawford, Ephraim A. and M. B.)

Crows, John E., Sunland, Calif., assignor to D. F. Youngblood, San Antonio, Tex. Relief device for oil tanks. 1,518,486; Dec. 9.

Crompton & Knowles Loom Works. (See Chevette, A. J., and Ryan, assignors.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Croon, Herman V., Chicago, Ill. Vaporizer and carburetor. 1,518,572; Dec. 9.

Crosby, Raymond A., Holyoke, Colo. Stub extractor for cigarette holders. 1,519,020; Dec. 9.

Cross, Milton O. (See Arnold, Philip S., assignor.)

Culbertson, Riley, Gleason, Ind. Kitchen-range fire blower and soot cleaner. 1,518,487; Dec. 9.

Curcutis, George, Monrovia, Calif. Three-in-one valve. 1,518,636; Dec. 9.

Curme, George O., Jr., Clendenin, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Making alkyl chlorides. 1,518,182; Dec. 9.

Currier, Bernard P., assignor to American Optical Company, Southbridge, Mass. Prism attachment for lens-measuring instruments. 1,518,393; Dec. 9.

Curtis, Le Roy G., Everett, Wash. Lock. 1,518,692; Dec. 9.

Daeves, Karl, and B. Weissenberg, Düsseldorf, assignors to the Firm: Thyssen & Co., Aktien-Gesellschaft, Mulheim-Ruhr, Germany. Manufacturing highly-strainable iron and steel constructions. 1,518,730; Dec. 9.

Dahl, Vilgo, Indianapolis, Ind. Covering for floor openings. Dec. 6, 179; Dec. 9.

Dalley, Edward L., Berg, N. Dak. Combined envelope and letter sheet. 1,518,183; Dec. 9.

Dalton, John T., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Packaging and tying mechanism. 1,518,310; Dec. 9.

Damon, George B., Belvidere, N. J., assignor to Vulcan Iron Works, Wilkes-Barre, Pa. Drier. 1,518,966; Dec. 9.

Dandrea, Mike, Millburn, N. J. Meat saw. 1,518,488; Dec. 9.

Dandurand, Onesime, assignor of one-half to E. C. Gough, Montreal, Quebec, Canada. Oil burner. 1,518,837; Dec. 9.

Darr, Earl A., et al., executors. (See Kraft, Henry P.)

Da Silveira, Isaura V., Fallon, Nev. Locking means for films. 1,518,693; Dec. 9.

Davies, Powys, Ralpur, India. Priming device for spill-way siphons. 1,518,489; Dec. 9.

Davis, Charles D., Sacramento, Calif. Drawbar for tractors. 1,518,311; Dec. 9.

Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,518,184; Dec. 9.

Davis, George C., assignor to G. M. Davis Regulator Company, Chicago, Ill. Control for regulating valves. 1,518,776; Dec. 9.

Davis, G. M., Regulator Company. (See Davis, George C., assignor.)

Davis, Irving S., Roselle, N. J. Float gauge for automobile radiators. 1,518,838; Dec. 9.

Davis, William N., assignor to General Motors Corporation, Detroit, Mich. Cowl ventilator. 1,518,312; Dec. 9.

Day, Alfred C., Melbourne, Victoria, Australia. Toy and elements for constructing it. 1,518,839; Dec. 9.

Day, Wallace E., assignor to Spencer Elevator Co., San Francisco, Calif. Safety lock for elevators. 1,518,313; Dec. 9.

De Bernardi, Cornelius H., West Hoboken, N. J. Vanity case. 1,519,021; Dec. 9.

Decatur Pump & Manufacturing Company. (See Burks, Arthur W., assignor.)

Deere & Company. (See Paul, William L., assignor.)

Deisher, Arthur H., Midland, Mich. Choker controller. 1,519,022; Dec. 9.

Delaney, Walter F. (See Glass, Philip H., assignor.)

Delta Tau Delta Fraternity. (See Patten, Francis F., assignor.)

De Neergaard, Elma M., New York, N. Y. Loom. 1,519,023; Dec. 9.

Denning, William J., Chicago, Ill. Signal lantern. 1,518,185; Dec. 9.

Denver Rock Drill Manufacturing Company, The. (See Neuh, Will C., assignor.)

De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Dry cell. 1,518,637; Dec. 9.

De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Dry cell. 1,518,638; Dec. 9.

De Renner, Frank C., Schenectady, N. Y., assignor to General Electric Company. Cord connector. 1,518,639; Dec. 9.

De Ridder, Oliver E., Rochester, N. Y. Making shoes and an innersole used in such method. 1,518,840; Dec. 9.

Detroit Pressed Steel Company. (See Putnam, Alden L., assignor.)

Detroit Twist Drill Company. (See Wineman, Charles P., assignor.)

Deutsche Telefonwerke G. m. b. H. (See Fassbender, H., and Habann, assignors.)

Dexter, Lucien A., Grand Rapids, Mich. Lock. 1,518,395; Dec. 9.

Dey, Gilbert S., assignor to American Optical Company, Southbridge, Mass. Lens-grinding machine. 1,518,394; Dec. 9.

Dickinson, Albert H., Kansas City, Mo. Game apparatus. 1,518,967; Dec. 9.

Dickinson, Elsha N., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cage for roller bearings. 1,518,731; Dec. 9.

Dickinson, Neville S., Glen Ridge, N. J., assignor to Elevator Supplies Company, Inc. Elevator safety device. 1,518,902; Dec. 9.

Dille, William. (See Nelson, J. M., Moritz, and Dille.)

Dilloway, Thomas. (See Foley, H. J., Dilloway, and Batchelder.)

Dinklage, August, East Orange, N. J. Anchoring device. 1,518,903; Dec. 9.

Ditto, Alfonso, Los Angeles, assignor of one-half to V. Bernardo, Monrovia, Calif. Stone-cutting machine. 1,518,841; Dec. 9.

Dixon, A. S. (See Ball, Morgan A., assignor.)

Dixon, Randall M., Stockton, Calif. Compound screw jack. 1,518,490; Dec. 9.

Dodds, William B., Jersey City, N. J., assignor to The Safety Car Heating & Lighting Company. Art and apparatus for separating liquid gases. 1,518,255; Dec. 9.

Dodge Brothers. (See Huff, Russell, assignor.)

Dohoney, Thomas E. (See Griffith, I. W., and Dohoney.)

D'Olier, William L., Philadelphia, Pa. Dewatering or filtering activated sludge and producing fertilizer. 1,518,256; Dec. 9.

Donohue, John M., assignor to Eastman Kodak Company, Rochester, N. Y. Laminated cellulose ether-cellulose ester film. 1,518,396; Dec. 9.

Doran, Joe, et al. (See Lacourse, Richard, assignor.)

Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor to the Firm Zeppelinwerk Lindau, Gesellschaft mit beschränkter Haftung, Lindau-Rutlin, Germany. Flying-boat's hull. 1,518,640; Dec. 9.

Dorr Company, The. (See Dorr, John V. N., assignor.)

Dorr, John V. N., New Canaan, Conn., assignor to The Dorr Company, New York, N. Y. Automatic density control for thickeners. 1,518,136; Dec. 9.

Dougherty, Martin P., Clinton, Ill. Straw spreader. 1,518,573; Dec. 9.

Downie, Robert E., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavator scoop and carrier therefor. 1,518,314; Dec. 9.

Downton, Bertram E., assignor of one-half to C. E. Schingle, Dewey, Okla. Chain fastener. 1,518,491; Dec. 9.

Drake, Walter H., Cleveland, Ohio. Making articles from pulp and apparatus for practicing the method. 1,518,968; Dec. 9.

Draper Corporation. (See Stimpson, Edward S., assignor.)

Draper Corporation. (See Stone, Melvin L., assignor.)

Drucker, William J., Pittsburgh, Pa. Radiator for internal-combustion engines. 1,518,777; Dec. 9.

Dubois, Octave, et al. (See du Bolstessellin, H., Tabb, and Hertenhelm, assignors.)

Du Bolstessellin, Henri, Rouen, F. W. Tabb, Paris, and L. Hertenhelm, Levallois-Perret, assignors of one-fifth to O. Dubois and one-fifth to L. Varnier, Rouen, France. Agglomeration of powdered or finely-crushed materials, more particularly fuel, by means of pitch. 1,518,186; Dec. 9.

Duda, Oswald, Houston, Tex., assignor, by mesne assignments, to Reed Roller Bit Company. Deep-well-drilling apparatus. 1,518,492; Dec. 9.

Duncan Electric Manufacturing Company. (See Harris, Jesse, assignor.)

Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Machine for making printing plates. 1,518,904; Dec. 9.

Duncan, William M., Alton, Ill. Furnace. 1,518,397; Dec. 9.

Dunn, Fred G. (See Parker, T. Laurence, and Dunn.)

Dunorth, Frank G., assignor of one-half to R. D. Wagner, Centerville, Mich. Tool for removing headlight lenses. 1,518,905; Dec. 9.

Du Pont, E. I., de Nemours & Co. (See Steers, Newton I., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodbury, Clifford A., assignor.)

Dürkopp-Werke A. G. (See Luyken, Hugo, assignor.)

Durett, George M., et al. (See Perry, William G., assignor.)

Dustinberre, George B., assignor to Glenora Harmonica Company, Inc., Elmira, N. Y. Harmonica. 1,518,257; Dec. 9.

Dyer, Harry W., New York, N. Y. Doorlock. 1,518,574; Dec. 9.

Dyer, Harry W., East Orange, N. J. Door lock. 1,518,187; Dec. 9.

Dyhrberg, Lauritz N., Ashburton, New Zealand. Brick-making machinery. 1,518,641; Dec. 9.

Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Bed-rail fastening. 1,518,969; Dec. 9.

Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Rail fastener. 1,518,970; Dec. 9.

Eastman, Joseph P., Manitowoc, Wis. Hose coupling. 1,518,778; Dec. 9.

Eastman Kodak Company. (See Brehm, Frederick W., assignor.)

Eastman Kodak Company. (See Donohue, John M., assignor.)

Eastman Kodak Company. (See Frederick, C. W., and Allen, assignors.)

Eastman Kodak Company. (See Lovejoy, Frank W., assignor.)

Eastman Kodak Company. (See Spidel, C. F., and Christie, assignors.)

Eastman Kodak Company. (See Stinchfield, Ray L., assignor.)

Eaton, Richard M., Niagara Falls, N. Y. Focusing hand searchlight. 1,518,575; Dec. 9.

Ebert, Joseph, Lyons Farms, N. J. Making camphor. 1,518,732; Dec. 9.

Eckart, Cecille, New York, N. Y. Colander. 1,518,972; Dec. 9.

Eckstein, Reuben, New York, N. Y. Connector. 1,518,733; Dec. 9.

Edelson, Samuel, New York, N. Y. Door lock. Dec. 6, 180; Dec. 9.

Edelson, Samuel, New York, N. Y. Door lock. Dec. 6, 181; Dec. 9.

Edle, John B., assignor of one-half to J. H. Toupet, Pittsburgh, Pa. Surfacing concrete blocks, tiles, and the like. 1,518,398; Dec. 9.

Edmunds & Jones Corporation. (See Benson, Bernhart A., assignor.)

Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Scratching machine. 1,518,971; Dec. 9.

Edwards, August O., Huntington Beach, Calif. Pie and cake pan. 1,518,973; Dec. 9.

Edwards, Birt, Montezuma, Ind. Radiator. 1,518,493; Dec. 9.

Edwards, Emily, San Antonio, Tex. Rag puppet. 1,518,576; Dec. 9.

Edwards, Matthew W., Toledo, Ohio. Automobile gasoline system. 1,518,906; Dec. 9.

Egy, Forest L., Oakland, Calif. Wheel puller. 1,518,974; Dec. 9.

Ehrhardt, August, San Benito, Tex. Crimp protector. 1,518,975; Dec. 9.

Eklöf, Henrik, Philadelphia, Pa. Artificial tooth. 1,518,315; Dec. 9.

Ekstedt, Ernest D., East St. Louis, Ill. Method of and apparatus for casting. 1,518,188; Dec. 9.

Elcock, Robert, Johannesburg, Transvaal, South Africa. Tensioning device for sewing machines. 1,518,494; Dec. 9.

Electric Smelting and Aluminum Co., The. (See Cowles, Alfred H., assignor.)

Electrical Development Corporation. (See Blaustein, Alie H., assignor.)

Electro Dental Manufacturing Company. (See Russell, Percy, assignor.)

Electro Dental Manufacturing Company. (See Schramm, Adolph W., assignor.)

Elevator Supplies Company. (See Dickinson, Neville S., assignor.)

Ellingham, Robert W., Springfield, Mass. Golf club. 1,518,316; Dec. 9.

Ellis, Carleton, Montclair, and H. M. Weber, Bloomfield, N. J.; said Weber assignor of his entire right to Ellis-Foster Company. Catalyzer and making same. 1,519,088; Dec. 9.

Ellis, Charles E. (See Geiger, E. A., Schraegle, and Ellis.)

Ellis-Foster Company. (See Ellis, C., and Weber, assignors.)

Ellis, John T., Kalgoorlie, Western Australia, assignor, by mesne assignments, to J. D. Whyte, Perth, Australia. Porous composition of matter. 1,518,189; Dec. 9.

Ellwood, William. (See Uhlemann, T. F., and Ellwood.)

Elmitsky, Anthony A., New York, N. Y. Bumper. 1,518,779; Dec. 9.

Eltsac Coloring Process Corporation. (See Kirschenbaum, Elias, assignor.)

Emery, Howard, assignor to The Chas. B. Bohn Foundry Co., Detroit, Mich. Casting hollow ware of aluminum. 1,518,190; Dec. 9.

Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Gravity separator. 1,518,642; Dec. 9.

Enright, Stephen P., Pittsburgh, Pa. Gas heater. 1,518,577; Dec. 9.

Entwistle, T. C., Company. See Kenney, F. B., and Sidebottom, assignors.)

Erdman, Adolph G., Willow City, N. Dak. Stubble puller. 1,519,024; Dec. 9.

Erickson, Marcus A., assignor to Strong-Scott Mfg. Co., Minneapolis, Minn. Dumping platform. 1,518,780; Dec. 9.

Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Selective circuits. 1,518,495; Dec. 9.

Essert, Henry, Gretna, Nebr. Ignition-system lock. 1,518,496; Dec. 9.

Esson, Robert L., Johannesburg, Transvaal, South Africa. Post for loose-leaf binders. 1,518,976; Dec. 9.

Euwecke, Frank, assignor to Silica Brick & Engineering Company, Chicago, Ill. Process and apparatus for the manufacture of stonelike material. 1,518,842; Dec. 9.

Evans, Charles S., Berkeley, Calif. Cigarette. 1,518,843; Dec. 9.

Evans, Fred, Summit, assignor to L. V. Aronson, Newark, N. J. Headlight for bicycles. Magnetic drive. 1,518,399; Dec. 9.

F. R. A. G. Corporation. (See Mendoza, Arnulfo, assignor.)

Faethe, William, Raven Rock, N. J. Sanitary chicken roost. 1,518,400; Dec. 9.

Fahrenwald, Frank A., Cleveland Heights, Ohio. Apparatus for producing and maintaining high temperature. 1,518,258; Dec. 9.

Fairbank, Kellogg executor. (See Harvey, George L.)

Fairfield, Arthur M., St. Marys, Kans. Ladder attachment. 1,519,025; Dec. 9.

Famous Players-Lasky Corporation. (See Taylor, Loren E., assignor.)

Farbenfabriken vorm. Friedr. Bayer and Co. (See Callsen, Jürgen, assignor.)

Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Electrical system for locomotives. 1,518,137; Dec. 9.

Farr, Edwin H., Whiting, Ind. Compartment case. 1,518,907; Dec. 9.

Farrell, Archie W., Chicago, Ill. Washing machine. 1,518,578; Dec. 9.

Fassbender, Heinrich, Charlottenburg, and E. Habann, assignors to Deutsche Telefonwerke, G. m. b. H., Berlin, Germany. Multiplex transmission of messages by high-frequency oscillations. 1,518,401; Dec. 9.

Faubert, Moses H., Detroit, Mich. Door holder. 1,518,643; Dec. 9.

Favre-Bulle, Maurice P., Paris, France. Striking mechanism for electric clocks. 1,518,317; Dec. 9.

Felzelman, Herman A., Paterson, N. J. Spool. 1,518,402; Dec. 9.

Ferro, Joseph, Springfield, Ill. Tire armor. 1,518,781; Dec. 9.

Fether, Francis A., Bakersfield, Calif. Friction-sleeve water seal. 1,518,644; Dec. 9.

Fetters, Charles A., Washington, D. C. Umbrella attachment. 1,518,138; Dec. 9.

Filiatreault, Damas C., Chicago, Ill. Tool handle. 1,518,259; Dec. 9.

Flanagan, John D., Newcomb, N. Y. Tire chain. 1,518,645; Dec. 9.

Fischer, Victor A., New York, N. Y. Chain-repair tool. 1,518,908; Dec. 9.

Fisher Automatic Brush Machine Company, The. (See Fisher, Charles B., assignor.)

Fisher, Charles E., assignor to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md. Brush-making machine. 1,518,844; Dec. 9.

Fleischer, Charles W. (See Horn, C. H., and Fleischer.)

Fletcher, Anna L., now by marriage A. L. Wilson, San Antonio, Tex. Fire escape. 1,518,318; Dec. 9.

Flood, Timothy A., and E. W. Conboy, Utica, N. Y. Mill truck. 1,518,337; Dec. 9.

Floro, John A., and H. McCauley, Christopher, Ill. Tire rim. 1,518,782; Dec. 9.

Flower, Arthur L., Wakefield, England. Machine for applying printed labels to bottles. 1,519,026; Dec. 9.

Flunder, Ralph D. (See Worrall, W. H., and Flunder.)

Flynn, James E. (See Hager, H. N., and Flynn.)

Fogarty, Esther, Ocean Grove, N. J. Railway-crossing device. 1,518,646; Dec. 9.

Foldessy, Carl C., Warrensville, Ohio. Manufactured flower. 1,518,909; Dec. 9.

Foley, Henry J., T. Dilloway, and R. D. Batchelder, Burlington, Vt. Chance device. 1,518,845; Dec. 9.

Folsom, Adelbert G., deceased, Chicago, Ill.; R. W. Folsom, administrator. Musical instrument. 1,518,191; Dec. 9.

Folsom, Robert W., administrator. (See Folsom, Adelbert G.)

Ford Instrument Company. (See Tanner, Harry L., assignor.)

Forrest, Edwin C., Yonkers, N. Y. Combined handsaw, bevel, and square. 1,518,977; Dec. 9.

Forrest, Frank B., Medford, Mass. Traveling grate. 1,518,783; Dec. 9.

Fox, Benjamin, Fountain Hill, Pa. Valve-operating mechanism. 1,518,978; Dec. 9.

Frank, Daniel W. L., Mobile, Ala. Scriber gauge. 1,518,647; Dec. 9.

Frederick, Charles W., and E. C. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Projecting system. 1,518,403; Dec. 9.

Frederick Engineering Company, The. (See Raun, Peter H., assignor.)

Freeman, Lewis D., and R. Hunt, Portsmouth, Va. Ventilator for motor vehicles. 1,518,319; Dec. 9.

Freeman, Lowell C., Detroit, Mich. Instrument board for motor vehicles. 1,518,139; Dec. 9.
 Freeman, Nat H., Holborn, London, England. Thermo-static circuit closer. 1,518,979; Dec. 9.
 French, Harry F. (See Benner, R. C. and French.)
 Freund, Erwin O. (See Henderson, William F., assignor.)
 Frink, I. P., Inc. (See Spencer, William H., assignor.)
 Frink, Robert L., Lancaster, Ohio. Drawing glass. 1,518,734; Dec. 9.
 Frisbie, William J., assignor to Justite Manufacturing Company, Chicago, Ill. Soldering iron. 1,518,404; Dec. 9.
 Fulford, Peter W. (See Hedstrom, Gustav W., assignor.)
 Fuller, Clarence R., et al. (See Lacourse, Richard, assignor.)
 Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag fastener. 1,518,140; Dec. 9.
 Furrer, Adolf, Berne, assignor to Schweizerische Industrie Gesellschaft, Neuhausen, Schaffhausen, Switzerland. Automatic firearm. 1,518,498; Dec. 9.
 Gage, Henry P., assignor to Corning Glass Works, Corning, N. Y. Heat-absorbing device. 1,518,141; Dec. 9.
 Gahon Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
 Gammeter, John R., Akron, Ohio, assignor to The R. F. Goodrich Company, New York, N. Y. Sole and heel construction. 1,518,910; Dec. 9.
 Gangler, Paul, Esslingen, Germany. Machine for folding paper bags. 1,518,192; Dec. 9.
 Gard, Enrico, Paris, France. Apparatus for transforming liquids into a mist. 1,519,027; Dec. 9.
 Gardner, Henry A. (See Rielous, Elias, assignor.)
 Garlick, Jew, Paterson, N. J. Cam shaft. 1,518,499; Dec. 9.
 Garrity, Martin A., Philadelphia, Pa. Door stop and catch. 1,518,911; Dec. 9.
 Gates, Gilbert J., Washington, D. C. Scraping implement. 1,518,320; Dec. 9.
 Gausemann, Carl, Frankfurt-on-the-Main, Germany. Smelting furnace. 1,518,193; Dec. 9.
 Gelger, Erwin A., Ridgewood, N. J., A. F. Schraegle, Ridgewood, and C. E. Ellis, Brooklyn, N. Y., assignors to Rapid Addressing Machine Company. Selective attachment for addressing machines. 1,518,912; Dec. 9.
 Goldhof, Peter E., Syracuse, assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Steam-spraying and steam-heated member for garment-pressing machinery. 1,518,500; Dec. 9.
 General American Tank Car Corporation. (See Weaver, Robert R., assignor.)
 General Electric Company. (See Baker, Walter R. G., assignor.)
 General Electric Company. (See De Reamer, Frank C., assignor.)
 General Electric Company. (See Emmet, William L. R., assignor.)
 General Electric Company. (See McLain, Robert H., assignor.)
 General Electric Company. (See Steenstrup, Christian, assignor.)
 General Electric Company. (See Stevens, Harry M., assignor.)
 General Electric Company. (See Welch, Alfred F., assignor.)
 General Electric Company. (See White, William C., assignor.)
 General Motors Corporation. (See Davis, William N., assignor.)
 General Motors Corporation. (See Hazard, William H., assignor.)
 General Motors Corporation. (See Thebernth, Joseph C., assignor.)
 George, Otto C., Crystal Lake, Ill. Wren house. Des. 66,182; Dec. 9.
 Gérard-Festenburg, Emile, New York, N. Y. Milk-boiling vessel. 1,518,142; Dec. 9.
 Gerger, Arthur C., Renton, Wash. Switch. 1,519,028; Dec. 9.
 Gesellschaft für Drahtlose Telegraphie m. b. H. Halbesch. (See Meissner, Alexander, assignor.)
 Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Knife switch. 1,519,089; Dec. 9.
 Gever, André, Paris, France. Aluminum alloy. 1,518,321; Dec. 9.
 Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Heat exchanger. 1,518,755; Dec. 9.
 Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Method and apparatus for purifying water. 1,518,784; Dec. 9.
 Gill, James H. W., Heacham, assignor to Gill Propeller Company Limited, Norfolk, England. Screw propeller or the like. 1,518,501; Dec. 9.
 Gill, James H. W., Heacham, assignor to Gill Propeller Company Limited, Norfolk, England. Screw propeller or the like. 1,518,502; Dec. 9.
 Gill Propeller Company Limited. (See Gill, James H. W., assignor.)
 Gibson, Christian, Homewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Blade tie. 1,518,913; Dec. 9.

Girard Model Works, Inc. (See Wood, Frank E. and C. G., assignors.)
 Gish, Daniel R., Washington, D. C. Hydrocarbon washer for gas engines. 1,518,980; Dec. 9.
 Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,518,405; Dec. 9.
 Glass, Philip H., assignor of one-half to W. F. Delaney, Richmond, Va. Mail-bag catching and delivering apparatus. 1,518,648; Dec. 9.
 Glee, Charles, White, Nebr. Road drag. 1,518,735; Dec. 9.
 Glenora Harmonica Company. (See Dushner, George B., assignor.)
 Godward, Charles H., Elbow Lake, Minn. Automobile chain hook or fastener. 1,518,649; Dec. 9.
 Godwin, Thomas H., et al. (See Wolf, George, assignor.)
 Goldberg, Jacob M. (See Goldberg, Louis B., N. J. M., and W.)
 Goldberg, Louis B., N. J. M., and W., Denver, Colo. Folding grate and support for camp stoves. 1,518,650; Dec. 9.
 Goldberg, Louis B., N. J. M., and W., Denver, Colo. Camp stove. 1,518,651; Dec. 9.
 Goldberg, Nathan. (See Goldberg, Louis B., N. J. M., and W.)
 Goldberg, William. (See Goldberg, Louis B., N. J. M., and W.)
 Goldman, Abraham, New York, N. Y. Shoe-polishing device. 1,518,143; Dec. 9.
 Goldsmith, Byron B., New York, N. Y. Ink capsule. 1,518,503; Dec. 9.
 Goldsmith, Byron B., New York, N. Y. Soluble ink and dispensing means therefor. 1,518,504; Dec. 9.
 Goldstein, Jacob I., et al. (See Hart, Harry, assignor.)
 Gollwitzer, Albert, Nuremberg, Germany. Renovating worn flanged wheels. 1,519,029; Dec. 9.
 Goodell-Pratt Company. (See Hapgood, Oscar D., assignor.)
 Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
 Goodman Manufacturing Company. (See Farnham, Sidney W., assignor.)
 Goodman Manufacturing Company. (See Sloane, William W., assignor.)
 Goodrich, R. F., Company, The. (See Gammeter, John R., assignor.)
 Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,518,736; Dec. 9.
 Goodwin, Abraham H., New York, N. Y. Sealing device for shipping cases. 1,518,914; Dec. 9.
 Gough, Ernest C. (See Dandurand, Onesime, assignor.)
 Gould, F. D., Company. (See Gould, Frank D., assignor.)
 Gould, Frank D., assignor to F. D. Gould Company, San Francisco, Calif. Auto top. 1,518,652; Dec. 9.
 Graham, William P., New York, N. Y. Plate or similar article. Des. 66,183; Dec. 9.
 Gravell, James H., Elkins Park, Pa. Container. 1,518,194; Dec. 9.
 Gray, Bert W., Belmont, Wis. Road leveler. 1,518,505; Dec. 9.
 Gray, J. L., et al. (See Thomas, Martin E., assignor.)
 Greene, Otto W., assignor to The International Pulp Stone Company, Elyria, Ohio. Grinder for reducing wood or other fiber to pulp. 1,518,422; Dec. 9.
 Greene, Wiley N., Gray, Ga. Burglar alarm. 1,518,915; Dec. 9.
 Greenwell, Sidney W., Hantertown, Ind. Fluid pump. 1,518,916; Dec. 9.
 Griffin, John B., Newington, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter-type soldering and aligning apparatus. 1,518,917; Dec. 9.
 Griffith, Charles R., New York, N. Y. Confection and making same. 1,518,737; Dec. 9.
 Griffith, Isaac W., and T. E. Dohoney, Johnstown, Pa. Nut lock. 1,518,918; Dec. 9.
 Griffith, Ray, Sabetha, Kans. Road drag. 1,518,653; Dec. 9.
 Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Indicator. 1,518,786; Dec. 9.
 Gulon, Samuel E., Johnson City, Tenn. Combined cigar lighter and inkstand. Des. 66,184; Dec. 9.
 Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringers. 1,518,919; Dec. 9.
 Gunn, Charles H., and J. C. Newcomb, Oakland, Calif. Brace for washtrays. 1,518,506; Dec. 9.
 H. K. H. Silk Company, The. (See Hammond-Knowlton, Clarence A., assignor.)
 Hanb, William. (See Menge, F. B., and Hanb.)
 Habann, Erich. (See Fasshender, H., and Habann.)
 Hager, Henry N., and J. E. Flynn, Thief River Falls, Minn. Peat and lignite burner. 1,518,322; Dec. 9.
 Hahn, Clarence W., Flushing, N. Y. Ink receptacle. 1,518,738; Dec. 9.
 Hale, John D. (See Baumgartl, L., and Hale.)
 Hall, George L., Newark, N. J., assignor to Clox-Lite Mfg. Company, Inc., Parkside, Pa. Lamp. 1,518,787; Dec. 9.
 Hall, Lindsay S. (See Purser, Joseph H., assignor.)
 Halloran, John J., Daly City, Calif. Projectile. 1,518,920; Dec. 9.

Hamilton, Harry D., Winthrop, and C. B. Tibbetts, Walpole, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Dispensing apparatus. 1,518,195; Dec. 9.
 Hammond, Gilbert N., Pomona, Calif. Device for forming eyes on metal strips. 1,518,654; Dec. 9.
 Hammond, James W., assignor to Bird Machine Company, Walpole, Mass. Screen for paper pulp. 1,518,507; Dec. 9.
 Hammond-Knowlton, Clarence A., assignor to The H. K. H. Silk Company, Watertown, Conn. Combined box and toy. 1,518,981; Dec. 9.
 Hanna Engineering Works. (See Hanna, John C., assignor.)
 Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Fluid-actuated mechanism. 1,518,788; Dec. 9.
 Hanson, Earl C. (See Carlson, W. L., and Hanson.)
 Hanson, Earl C., Washington, D. C. Radiotelegraph system. 1,518,656; Dec. 9.
 Hapgood, Oscar D., Montague, assignor to Goodell-Pratt Company, Greenfield, Mass. Valve-grinding tool. 1,518,579; Dec. 9.
 Harding, Henry O., assignor to Washburn-Crosby Company, Minneapolis, Minn. Flour-packing machine. 1,518,921; Dec. 9.
 Hardwick, W. M., et al. (See Klen, Edward T., assignor.)
 Hare, Franklin C., Rockford, Ill. Brooder. 1,518,694; Dec. 9.
 Harper, Alexander and S. A., Dunedin, Otago, New Zealand. Aerial propeller. 1,518,846; Dec. 9.
 Harper, Stewart A. (See Harper, Alexander and S. A.)
 Harris, Archer H., Chattanooga, Tenn. Automobile tire. Des. 66,185; Dec. 9.
 Harris, Fred, Youngstown, Ohio. Traffic signal. 1,518,423; Dec. 9.
 Harris, Gordon D., Islip, N. Y., assignor to Industrial Dryer Corporation, Newark, N. J. Web drier. 1,518,580; Dec. 9.
 Harris, Henry, London, England. Method of and apparatus for refining molten metal. Re15,960; Dec. 9.
 Harris, James L. (See Varnell, S., and Harris.)
 Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity motor. 1,518,196; Dec. 9.
 Harrison, Charles K., Jr., Baltimore, Md., and L. R. Page, Jr., Philadelphia, Pa. Holder for scoring pads. 1,518,197; Dec. 9.
 Harrold, Elmer, Leontia, Ohio. Weighing scale. 1,518,982; Dec. 9.
 Hart, Harry, assignor of one-third to J. R. Rubenstein and one-third to J. I. Goldstein, Chicago, Ill. Interchangeable battery system for radio sets. 1,518,508; Dec. 9.
 Hart, Henry R., Montclair, N. J. Nonsinkable coat. 1,518,509; Dec. 9.
 Harvey, George L., deceased, by H. A. Harvey, executrix, and K. Fairbank, executor, Chicago, Ill. Draft rigging. Re15,961; Dec. 9.
 Harvey, Helen A., executrix. (See Harvey, George L.)
 Harvey, Millard L., Savannah, Ga. Ball antireciper. 1,518,510; Dec. 9.
 Hasenkamp, John F. (See Shoemaker, A. R., and Hasenkamp.)
 Haserodt, Oscar, Elyria, Ohio. Fishline float. 1,518,424; Dec. 9.
 Haserodt, Oscar, Elyria, Ohio. Electrical fishline float. 1,518,425; Dec. 9.
 Hasley, Ida F., et al. (See Thomas, Martin E., assignor.)
 Hatch, Millard F. (See Walcott, C. R., and Pike, assignors.)
 Hatt, Joseph A. H., Brooklyn, N. Y. Producing color negatives for photomechanical printing plates. 1,518,426; Dec. 9.
 Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Method of and apparatus for working paper stock. 1,518,922; Dec. 9.
 Haug, Wilhelm. (See Schott, E., and Haug.)
 Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Interrupter mechanism. 1,518,789; Dec. 9.
 Hayes, Charles C. (See Anderson, A. F., and Hayes.)
 Hazard, William H., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Heating furnace. 1,518,323; Dec. 9.
 Hearne, Isaac J., Berlin, Md. Sawing apparatus. 1,518,198; Dec. 9.
 Heaton, Arthur A., Jr., Perth, N. Dak. Toy electric tractor. 1,518,324; Dec. 9.
 Hebbeler, George W., St. Louis, Mo. Demountable rim. 1,518,739; Dec. 9.
 Hecht, Heinrich, and W. Rudolph, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Machine for testing materials. 1,518,790; Dec. 9.
 Hedstrom, Gustav W., assignor of one-half to P. W. Fulford, Chicago, Ill. Drying machine. 1,518,791; Dec. 9.
 Heller, Alfred W. E., Ottawa, Ontario, Canada. Mold. 1,518,581; Dec. 9.
 Henderson, James B., Lee, England. Gyrocompass. 1,518,740; Dec. 9.
 Henderson, William F., Pittsburgh, Pa., assignor to E. O. Freund, Chicago, Ill. Stuffer horn. 1,518,511; Dec. 9.

Hennings, Ivar, South Bend, Ind. Fishing lure. 1,518,199; Dec. 9.
 Henson, Ernest N., assignor of one-half to C. L. Rushing, Memphis, Tex. Spare-tire holder. 1,518,923; Dec. 9.
 Herlitz, Daniel, Chicago, Ill. Garbage burner. 1,518,200; Dec. 9.
 Hertenbela, Leon. (See du Boisstesselin, H., Tabb, and Hertenbela.)
 Herzberg, Wilhelm, Berlin-Wilmersdorf, and O. Scharfenberg, Berlin-Schöneberg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. New dye for wool of the safranin series. 1,518,847; Dec. 9.
 Hess, Lawrence J., Coltsville, township, Mahoning County, and M. G. Benjamin, Lakewood, assignors to The Benjamin Engineering Company, Cleveland, Ohio. Combustion control. 1,518,924; Dec. 9.
 Hewitt, Alberts. (See Owen, J. W., and Hewitt.)
 Heyn, Roman H., and F. Polzer, Norwalk, Conn. Stapling machine. 1,518,925; Dec. 9.
 Hickox, William R., Barberton, Ohio. Spout support or hanger. 1,518,848; Dec. 9.
 Hild, Frederic W., Los Angeles, Calif. Universal rotary equipment for earth drilling. 1,518,325; Dec. 9.
 Hill, Harry W., and H. H. Styl, assignors to American Optical Company, Southbridge, Mass. Lens-grinding machinery. 1,518,406; Dec. 9.
 Hill, Reuben, Hartford, and E. A. Moyer, West Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Thread-hobbing machine. 1,518,201; Dec. 9.
 Hiller, Stanley, San Jose, assignor to Stanley Hiller Incorporated, San Francisco, Calif. Treating organic materials to produce meal and oil. 1,518,926; Dec. 9.
 Hiller, Stanley, Incorporated. (See Hiller, Stanley, assignor.)
 Himmel, Fred and L. New Haven, Conn. Store-front construction. 1,518,582; Dec. 9.
 Himmel, Isidore. (See Himmel, Fred and L.)
 Hilsop, Robert S., assignor to Racine Confectioners Machinery Company, Racine, Wis. Rolls for candy-making machines. 1,518,260; Dec. 9.
 Hmanick, John V., Cleveland, Ohio. Foldable umbrella. 1,518,927; Dec. 9.
 Hoc, R., and Co. (See Ball, Harry V., assignor.)
 Hoffman, John H., West Brighton, assignor to Power Specialty Company, New York, N. Y. Handhole plug. 1,518,326; Dec. 9.
 Hoffmann, Johann, Vienna, Austria. Device for packing or stuffing tubes filled with sand or the like by means of knocking or beating. 1,518,202; Dec. 9.
 Hogan, Jay J. (See Spencer, J. R., and Hogan.)
 Hogan-Spencer-Whitley Company. (See Spencer, J. R., and Hogan, assignors.)
 Hogan-Spencer-Whitley Company. (See Spencer, John R., assignor.)
 Holland, Samuel O., Salisbury, N. C. Seed mechanism for planters. 1,518,327; Dec. 9.
 Hollertz, Melcker A., Atlanta, Ga. Adjustable fender for cultivators. 1,518,928; Dec. 9.
 Holley, George M. (See Mulder, Peter W., assignor.)
 Holman, Rudolph, assignor to The Vortex Mfg. Co., Chicago, Ill. Machine for making paper cups. 1,518,261; Dec. 9.
 Holmes, Andrew, and G. Menras, Dunedin, Otago, New Zealand. Clothes peg. 1,518,849; Dec. 9.
 Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Two-throw head motion. 1,518,427; Dec. 9.
 Holmquist, Peter C., Chicago, Ill. Curtain stretcher. 1,518,203; Dec. 9.
 Holt, Victor L., Portland, Oreg. Stump burner. 1,518,929; Dec. 9.
 Hoover, Elbert C. and I. C., Washington, D. C. Article made from animal intestines. 1,518,328; Dec. 9.
 Hoover, Irwin C. (See Hoover, Elbert C. and I. C.)
 Horn, Clifford H., Lincoln, Nebr., and C. W. Fleischer, Lansing, Mich. Governor. 1,519,030; Dec. 9.
 Horn, Gustav A., Jeannette, assignor to Westmoreland Specialty Company, Grapeville, Pa. Decorating glassware. 1,518,930; Dec. 9.
 Howard, Charles H., Saugus, and L. Sharp, North Attleboro, assignor to Paper Products Machine Company, Boston, Mass. Machine for applying reinforcing filaments to fabrics. 1,518,512; Dec. 9.
 Howard, Charles H., Saugus, assignor to Paper Products Machine Company, Boston, Mass. Machine for applying reinforcing filaments to fabrics. 1,518,513; Dec. 9.
 Howe, Paul J., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Corner gauge. 1,519,082; Dec. 9.
 Hudson, David W., Green Bay, Wis. Paper-rolling machine. 1,518,428; Dec. 9.
 Huey, Harold L., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Producing woollike effects upon cotton fabrics. 1,518,931; Dec. 9.
 Huff, Russell, assignor to Dodge Brothers, Detroit, Mich. Automobile hood-clamping device. 1,518,429; Dec. 9.
 Huggins, Ulysses S., Pittsburgh, Pa. Sand toy. 1,518,144; Dec. 9.
 Huguenin, Georges, Le Locle, Switzerland. Demihunter watch. 1,519,031; Dec. 9.

Humason, Lawrence C. (See Barry, D. M., and Humason.)
 Humason Manufacturing Company, The. (See Barry, D. M., and Humason, assignors.)
 Hume, George C., Chilton, Wis. Line holder. 1,518,850; Dec. 9.
 Hunt, Edward J., West Orange, N. J. Automatic control of oil dehydrators. 1,518,792; Dec. 9.
 Hunt, Robert. (See Freeman, L. D., and Hunt.)
 Hunt, Seth B., trustee. (See Mann, Matthew D., Jr.)
 Hunt, William D. (See St. Peter, Napoleon, assignor.)
 Hurst, Leonard E., Detroit, Mich. Chain and truck guide. 1,518,131; Dec. 9.
 Hurst, Leonard E., and J. F. Miller, Detroit, Mich. Conveyor flight. 1,518,430; Dec. 9.
 Huss, Leo J., Shakopee, Minn. Pump jack. 1,518,793; Dec. 9.
 Husted, Addison S., Orchard Park, N. Y. Kaleidoscope. 1,518,204; Dec. 9.
 Hutchison, George H., Hyndland, Glasgow, and D. S. McLean, Maryhill, Glasgow, Scotland. Hydraulic pump and motor. 1,518,551; Dec. 9.
 Hutnikow, Theodore, Brooklyn, N. Y. Double voice for toys. 1,518,794; Dec. 9.
 Hutzel, August F., Ann Arbor, Mich. Bracket for cloth radiator covers. 1,518,145; Dec. 9.
 Hyvernaud, Jacques, Paris, France. Two-stroke-cycle valveless internal-combustion engine. 1,518,983; Dec. 9.
 Ibarra, Juan, Martindale, Tex. Agricultural implement. 1,518,146; Dec. 9.
 Improved Paper Machinery Company. (See Haug, Anton J., assignor.)
 Industrial Dryer Corporation. (See Harris, Gordon D., assignor.)
 International Pulp Stone Company, The. (See Greene, Otto W., assignor.)
 Jackson, Howard, Omaha, Nebr. Train control. 1,518,657; Dec. 9.
 Jacobuch, Raphael, Providence, R. I. Printing press. 1,518,658; Dec. 9.
 Jacques, George V., Stratford, Conn. assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Punching and fastener-inserting mechanism. 1,518,147; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Chain pendant for lighting fixtures. Des. 66,186; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Ceiling-type lighting fixture. Des. 66,187; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Ceiling-type lighting fixture. Des. 66,188; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Wall drop-type lighting fixture. Des. 66,189; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Flush wall-type lighting fixture. Des. 66,190; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Lighting fixture. Des. 66,191; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Lighting fixture. Des. 66,192; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Lighting fixture. Des. 66,193; Dec. 9.
 Jaeger, William, assignor to H. M. Kofsky, Philadelphia, Pa. Lighting fixture. Des. 66,194; Dec. 9.
 Jarvis, Lewis A., Grand Rapids, Mich. Water gauge for automobile radiators. Des. 66,195; Dec. 9.
 Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
 Jennings, David J., Cleveland, Ohio. Machine for the manufacture of paper receptacles. 1,518,514; Dec. 9.
 Jensen, Benjamin F., et al. (See Wulf, George, assignor.)
 Jepsen, Julius. (See Polachek, J., Jepsen, and Peremi.)
 Johnson, Cornelius E., Grand Rapids, Mich. Device for removably holding sheets of paper and the like. 1,518,329; Dec. 9.
 Johnson, Joseph. (See Seidemann, W. A., and Johnson.)
 Johnson, William H., assignor to Automatic Machinery Company, Terre Haute, Ind. Cooling transfer device for glassware. 1,518,552; Dec. 9.
 Johnson, William K., Wichita, Kans. Guide. 1,518,659; Dec. 9.
 Johnston, A. Langstaff, Jr., assignor, by mesne assignments, to Off'N'On Chain Corporation, New York, N. Y. Tire chain. 1,518,515; Dec. 9.
 Johnston, David A. (See Johnstone, J. F., and Johnston.)
 Johnstone, Jackson F., Boston, and D. A. Johnston, Melrose, Mass. Child's vehicle. 1,518,932; Dec. 9.
 Jones, Joseph S., Brooklyn, assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Electric connector. 1,518,795; Dec. 9.
 Jones, Morris H., assignor to Port Arthur Shipbuilding Co. Ltd., Port Arthur, Ontario, Canada. Continuous-screw-feed magazine. 1,518,583; Dec. 9.
 Jones, Paul T., Corinth, Miss., and E. R. Taylor, Texas, Ala. Lumber dry kiln. 1,518,516; Dec. 9.
 Jonkhoff, Henel W., Semarang, Java, Dutch East Indies. Trailer steering device. 1,518,517; Dec. 9.
 Jordan, Harry W., Syracuse, N. Y. Water-heating element. 1,518,518; Dec. 9.

Josephson, Helmer G., East Lynn, assignor to J. L. Shevenell, Haverhill, and H. G. Josephson, Lynn, Mass., trustees. Shoe-shank support. 1,518,432; Dec. 9.
 Josephson, Helmer G., et al., trustees. (See Josephson, Helmer G., assignor.)
 Joyce, Bryan P., Davenport, Iowa. Elevating mechanism for guns. 1,518,262; Dec. 9.
 Jung, George H., Jr., Cincinnati, Ohio. Arch support. 1,518,695; Dec. 9.
 Justrite Manufacturing Company. (See Frisbie, William J., assignor.)
 Kahn, Joseph, Chicago, Ill. Loose-leaf binder. 1,518,796; Dec. 9.
 Kamenstein, Meyer, New York, N. Y. Display rack. 1,518,148; Dec. 9.
 Kantor, Harry, Rimersburg, Pa. Match-dispensing receptacle. 1,518,933; Dec. 9.
 Kasralowicz, Ely, Poughkeepsie, N. Y. Sewing sleeves into garments. 1,518,584; Dec. 9.
 Kaufold, Louis, San Francisco, Calif. Antitheft device. 1,519,032; Dec. 9.
 Kay, Bennett, Indianapolis, Ind. Apparatus for building structures. 1,518,149; Dec. 9.
 Kay, William E., Elyria, Ohio. Fluid-transmission device. 1,518,797; Dec. 9.
 Keates, William H., Philadelphia, Pa. High-speed boat. 1,518,263; Dec. 9.
 Keeler, Andrew L. (See Morgan, C. N., and Keeler.)
 Kell, Albert T., Mars, Pa. Beehive. 1,518,934; Dec. 9.
 Kelser, Arthur J., assignor to The Bircher Co., Inc., Rochester, N. Y. Envelope-sealing machine. 1,518,330; Dec. 9.
 Kelly, Joseph N., Dayton, Ohio. Automobile lock. 1,518,150; Dec. 9.
 Kendrick, Lawrence W. (See Itapley, H. J., and Kendrick.)
 Kendrick, Thomas F., Philadelphia, Pa. Elastic fabric. 1,518,798; Dec. 9.
 Kennedy, William L., assignor, by mesne assignments, to Schuh Machine Company, Philadelphia, Pa. Box-covering machine. 1,518,151; Dec. 9.
 Kenney, Frank B., and J. W. Sidebottom, assignors to T. C. Entwistle Company, Lowell, Mass. Pneumatic lint clearer for warping machines and the like. 1,519,083; Dec. 9.
 Kenney, Frank B., and J. W. Sidebottom, assignors to T. C. Entwistle Company, Lowell, Mass. Pneumatic lint clearer for warping machines and the like. 1,519,084; Dec. 9.
 Kent, Cornelius V., Chicago, Ill. Playing cards and card games. 1,518,519; Dec. 9.
 Kent-Jones, Douglas W. (See Watson, W., and Kent-Jones.)
 Kent Machine Company, The. (See Babbitt, Arthur B., assignor.)
 Keystone Driller Company. (See Dowdle, Robert R., assignor.)
 Kiefer, Bruce E., and B. E. Thaxton, Washington, D. C. Vending machine. 1,518,331; Dec. 9.
 Klein, Edward T., Elmhurst, Ill. assignor of one-fourth to W. M. Hardwick and one-fourth to E. S. Newton, Chattanooga, Tenn. Expansion valve. 1,518,984; Dec. 9.
 King, Walter G., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,518,407; Dec. 9.
 Kingston, Ralph H., assignor to Sears, Roebuck and Co., Chicago, Ill. Air separator. 1,518,152; Dec. 9.
 Kingsley, Francis, Pelham Manor, N. Y. Guard for shoe-blackening stands. 1,518,853; Dec. 9.
 Kirby, Edmund B., New York, N. Y. Operating blast furnaces. 1,518,554; Dec. 9.
 Kirby, Elsie W., New York, N. Y. Container. 1,518,433; Dec. 9.
 Kirschenbaum, Elias, Philadelphia, Pa., assignor to Eltsac Coloring Process Corporation. Producing dyed fabrics. 1,518,585; Dec. 9.
 Klausmeyer, David C., assignor to The Cincinnati Blackford Tool Company, Cincinnati, Ohio. Radial-drill base construction. 1,519,090; Dec. 9.
 Klein, Emil A., Los Angeles, Calif. Fumigating tent. 1,518,434; Dec. 9.
 Klemm, Hermann A., Harrison, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,518,520; Dec. 9.
 Kleppen, Emil. (See Sather, Carl O., assignor.)
 Klueck, August J., New York, N. Y. Electric meter. 1,518,332; Dec. 9.
 Klumpp, Gottlieb. (See Youngren, O. A., and Klumpp.)
 Knapp, Paul W., Cynwyd, assignor to Schutte and Koering Company, Philadelphia, Pa. Trip valve. 1,518,586; Dec. 9.
 Knobloch, Carl, Eau Claire, Wis. Liquid-level gauge. 1,518,435; Dec. 9.
 Kofsky, Henry M. (See Jaeger, William, assignor.)
 Kountz, John B., Junction, Tex. Fishing-rod handle. 1,518,205; Dec. 9.
 Kozelak, Louis, Schenectady, N. Y. Violin mute. 1,518,935; Dec. 9.
 Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Quick-acting pump coupling. 1,519,095; Dec. 9.

Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Coupling for air chucks. 1,519,096; Dec. 9.
 Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Pipe coupling. 1,519,097; Dec. 9.
 Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Forming washers. 1,518,521; Dec. 9.
 Kramer, Frank C., Kirksville, Mo. Cooking apparatus. 1,518,206; Dec. 9.
 Krebs, William R., Baltimore, Md. Spark plug. 1,518,660; Dec. 9.
 Krejcn, Henry, Pearl River, N. Y. Suction feeding machine. 1,518,522; Dec. 9.
 Kresse, Emil, Philadelphia, Pa. Mute holder. 1,518,204; Dec. 9.
 Kretschmer, Felix W., Brooklyn, N. Y. Sextant rest. 1,518,985; Dec. 9.
 Krueger, August H., Luray, Kans. Extensible tractor controlling mechanism. 1,519,033; Dec. 9.
 Kruse, Frederick P., assignor of one-third to H. W. Barr, and one-third to P. P. Noyes, Vallejo, Calif. Piston construction. 1,518,986; Dec. 9.
 Krutina, Richard, Zug, Switzerland. Internal-combustion engine. 1,518,799; Dec. 9.
 Kubik, Andrew, Michigan City, Ind. Clothesline fastener. 1,518,523; Dec. 9.
 Kurowski, Alfred G. E., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,518,741; Dec. 9.
 Lachenmaler, Walter G., Lodi, Calif. Robe holder. 1,518,936; Dec. 9.
 Lacourse, Richard, Salt Lake City, Utah, assignor of one-half to J. Duran and one-half to C. R. Fuller, Anaconda, Mont. Adjustable stove lining and grate. 1,518,524; Dec. 9.
 La Duer, Jerry J., Hartford, Conn. assignor to Pratt & Whitney Company, New York, N. Y. Milling machine. 1,518,153; Dec. 9.
 La Duer, Jerry J., Hartford, Conn. assignor to Pratt & Whitney Company, New York, N. Y. Milling machine. 1,518,154; Dec. 9.
 Laing, Bryan. (See Nielsen, Harold, assignor.)
 Lamy, Leon, St. Jean en Faucigny, France. Extracting tin from tin-containing minerals, alloys, scoria, and scrap. 1,518,742; Dec. 9.
 Landers, John J., Brooklyn, N. Y. Household coal box. 1,518,525; Dec. 9.
 Langlykke, Peter I., assignor to Aetna Machine & Mfg. Co., Chicago, Ill. Valve-raising device. 1,518,855; Dec. 9.
 Lansden, John M., New York, N. Y. Motor vehicle and axle therefor. 1,518,937; Dec. 9.
 Lapatin, Abraham, assignor to Star Pleating Co., New York, N. Y. Embroidered textile fabric. Des. 66,196; Dec. 9.
 Lapp, Grover W., Le Roy, N. Y. Tool bit. 1,518,856; Dec. 9.
 Larson, Anders G., Christiania, Norway. Ventilator. 1,518,526; Dec. 9.
 Laskey, Philip B., Marblehead, Mass., assignor to The Chocolate Sponge Co., Inc., New York, N. Y. Making candy. 1,518,587; Dec. 9.
 Lawrence, James C. (See Parker, T., Lawrence, and Dunn.)
 Layne, Mahlon E., Houston, Tex. Well screen. 1,518,696; Dec. 9.
 Layton, Edgar, Larkspur, Calif. Fire-resistant shingle and making same. 1,518,857; Dec. 9.
 Lea, Charles, assignor to Shawmut Engineering Company, Boston, Mass. Splicing clip. 1,519,091; Dec. 9.
 Leiby, States L., Corning, N. Y. Light projector. 1,518,155; Dec. 9.
 Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Press toggle. 1,518,527; Dec. 9.
 Ledbetter, James C., Brooklyn, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,519,092; Dec. 9.
 Lee, Oliver H., Philadelphia, Pa. Drill press and tapping machine. 1,518,408; Dec. 9.
 Lefkowitz, Charles, Newark, N. J. Carboy. 1,518,987; Dec. 9.
 Lehon Company, The. (See Lehon, Thomas B., assignor.)
 Lehon, Thomas B., assignor to The Lehon Company, Chicago, Ill. Roofing material. 1,518,988; Dec. 9.
 Leinen, Arthur P., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connector device. 1,518,436; Dec. 9.
 Leon, Lewicki J., assignor to L. J. Leon Mfg. Co., Chicago, Ill. Bird cage. Des. 66,197; Dec. 9.
 Leon, L. J., Mfg. Co. (See Leon, Lewicki J., assignor.)
 Lendre, Eugene M. C., Paris, France, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,518,800; Dec. 9.
 Leslie, John W., Evanston, Ill. Reinforcing girth. 1,518,437; Dec. 9.
 L'Etat Français, Departement de la Guerre, représenté par le Ministre de la Guerre. (See Reibel, Jean F. J., assignor.)
 Letsch, Frederick W., Baltimore, Md. Automatic matrix-clamping and mold-adjusting mechanism. 1,518,858; Dec. 9.

Levigion, David, New York, N. Y. Easel. Des. 66,198; Dec. 9.
 Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining apparatus. 1,518,333; Dec. 9.
 Levy, Jennie, Philadelphia, Pa. Attachment for telephones. 1,518,859; Dec. 9.
 Libby, Harry T., Kankakee, Ill. Hydraulic conveyor. 1,518,528; Dec. 9.
 Libert, Arthur J., Green Bay, Wis. Turret attachment for lathes. 1,518,156; Dec. 9.
 Liérens, Léon. (See Bessat, A., and Liérens.)
 Linder, Andrew J., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Saddle. 1,518,157; Dec. 9.
 Linderme, Emil, Cleveland Heights, Ohio. Tire. 1,518,529; Dec. 9.
 Lindley, Ernest W., near Dayton, Montgomery County, assignor of one-third to W. M. Osterday, Dayton, Ohio. Steam engine. 1,518,438; Dec. 9.
 Lindsay, Walter L., Brooklyn, N. Y. Collar button. 1,518,989; Dec. 9.
 Link-Belt Company. (See Sayers, Albert J., assignor.)
 Line, Raleigh V., Cincinnati, Ohio. Automobile brake. 1,518,860; Dec. 9.
 Lipper, Clarence, Philadelphia, Pa. Electric lamp. 1,518,330; Dec. 9.
 Lipsius, Samuel, New York, N. Y. Heater for raised printing and the like. 1,518,861; Dec. 9.
 Lissan, Louis, assignor of one-half to I. J. Berman, Syracuse, N. Y. Flush tank. 1,518,990; Dec. 9.
 Livingston, Frank S., assignor to Snow Manufacturing Company, Los Angeles, Calif. Gas heater. Des. 66,199; Dec. 9.
 Livingston, Frank S., assignor to Snow Manufacturing Company, Los Angeles, Calif. Gas heater. Des. 66,200; Dec. 9.
 Livingston, Frank S., assignor to Snow Manufacturing Company, Los Angeles, Calif. Gas heater. Des. 66,201; Dec. 9.
 Livingston, Leon R., Greenville, S. C. Receptacle. 1,519,034; Dec. 9.
 Locke, Albert R., Chicago, Ill. Lighting fixture. 1,518,265; Dec. 9.
 Locomobile Company of America, Incorporated. (See Rosner, Adolph, assignor.)
 Loewer, Henry F., Rochester, N. Y. Last. 1,518,158; Dec. 9.
 Loewer, Henry F., Rochester, N. Y. Last. 1,518,266; Dec. 9.
 Lomax, Clarence E., assignor to Automatic Electric Company, Chicago, Ill. Overflow trunking system. 1,518,862; Dec. 9.
 Long, George R. (See Cordley, H. G., and Long.)
 Lovejoy, Frank W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. 1,518,409; Dec. 9.
 Lovey, Charles H. (See Craig, David, assignor.)
 Lovd, Louis F., Oelwein, Iowa. Resilient tire. 1,518,992; Dec. 9.
 Lucas, Chester, Clarksdale, Ariz. Vehicle signal. 1,518,588; Dec. 9.
 Lucey, Patrick J., assignor to Lucey Slicing Machine Company, Chicago, Ill. Slicing machine. 1,518,697; Dec. 9.
 Lucey Slicing Machine Company. (See Lucey, Patrick J., assignor.)
 Lund, George H., Chicago, Ill. Ink-roller attachment. 1,518,159; Dec. 9.
 Lung, Benjamin F., San Francisco, Calif. Needle holder. 1,518,531; Dec. 9.
 Lush, Ernest J., assignor to Technical Research Works Limited, London, England. Production of active metallic catalysts. 1,519,035; Dec. 9.
 Lutz, August H., Baltimore, Md., and G. J. Richardson, Petersburg, Va. Reproducing pictures and designs. 1,518,863; Dec. 9.
 Luyken, Hugo, assignor to the Firm: Dürkoppwerke A. G., Bielefeld, Germany. Charging device for shaft furnaces. 1,518,743; Dec. 9.
 MacArthur, Blanche A., assignor to Earle C. Anthony, Inc., Los Angeles, Calif. Step plate. Des. 66,202; Dec. 9.
 MacBryde, Louis E., West Hartford, Conn. Flushing device. 1,518,693; Dec. 9.
 McCerthy, Redmond A., assignor to L. B. Wells and D. P. Smith, Chicago, Ill., as trustees for the sole use and benefit of a voluntary organization known as "Women's Overseas Service League." Badge for personal wear. Des. 66,203; Dec. 9.
 MacDonald, Angus, Melrose, Mass. Hospital bed. 1,518,210; Dec. 9.
 Machinery Improvement Company, The. (See Root, William D., assignor.)
 Mahannah, Everett A., North Tonawanda, N. Y. Paper tester. 1,518,806; Dec. 9.
 Makowski, John F., assignor to The California Cedar Products Company, Stockton, Calif. Composite wall construction. 1,518,336; Dec. 9.
 Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Plaster lath. 1,518,337; Dec. 9.
 Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Plaster lath. 1,518,338; Dec. 9.

Mann, Matthew D., Jr., Roselle, N. J., assignor to S. B. Hunt, trustee, Mount Kisco, N. Y. Refining and deodorizing isopropyl alcohol. 1,518,339; Dec. 9.
 Marble, Walter R., Chicago, Ill. Vanity case. 1,518,594; Dec. 9.
 Marsh, Lucien A., Mill Valley, Calif. Game board. 1,518,340; Dec. 9.
 Marsilio, Antonio, Nyack, N. Y. Material gathering and loading device. 1,518,267; Dec. 9.
 Martell, Albert A., Woonsocket, R. I. Spark-plug tester. 1,518,268; Dec. 9.
 Martin, Alfred N., New Dorp, N. Y. Radiophone amplifier. 1,518,744; Dec. 9.
 Martin, Frank L., Dunbar, Pa. Combination pan and sifter. 1,519,038; Dec. 9.
 Martin, George D., Middleport, N. Y. Cigar holder. 1,518,693; Dec. 9.
 Maryott, Lucius R., Roberts, Mont. Stock-feeding apparatus. 1,518,664; Dec. 9.
 Mathieson Alkali Works, Inc., The. (See Mauran, Max, assignor.)
 Mau, Henry P., New York, N. Y. Electrical device for measuring the conductivity of the stomach contents. 1,518,211; Dec. 9.
 Maunders, Roland M., Palmerston North, New Zealand. Lock. 1,518,996; Dec. 9.
 Mauran, Max, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Gas-absorption apparatus. 1,518,595; Dec. 9.
 Mayer, Bertram, W. Moser, and J. Würgler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuff derived from anthraquinone and making same. 1,518,665; Dec. 9.
 Mayer, Frank J. (See Collins, C. F. and Mayer.)
 Mayhew Steel Products, Inc. (See Carlson, Gustave O., assignor.)
 Mayne, Edward C., Philadelphia, Pa. Figure toy. 1,518,212; Dec. 9.
 McArthur, John O., Philadelphia, Pa. Piston. 1,518,801; Dec. 9.
 McAviney, James D., Rochester, N. Y. Window ventilator. 1,518,589; Dec. 9.
 McCauley, Herman. (See Floro, J. A. and McCauley.)
 McCauley, Alphonsus L., Exeter, Pa. Traction attachment for vehicle wheels. 1,518,802; Dec. 9.
 McCauley, William P., Kalspell, Mont. Standing support for pictures and the like. 1,518,207; Dec. 9.
 McInnes, Joseph W., Washington, D. C. Demountable tire rim. 1,518,532; Dec. 9.
 McClellan, Walter N., Brooklyn, assignor of one-half to R. F. Baker, Tannersville, N. Y. Coin mechanism. 1,518,208; Dec. 9.
 McClenny, Robert J., assignor to Nu-Way Barrel and Machinery Co., Inc., St. Louis, Mo. Barrel-stave assembling and forming machine. 1,518,993; Dec. 9.
 McCord, Claude M., Richmond Heights, Mo. Machine for winding loose coils for armatures and the like. 1,518,209; Dec. 9.
 McCormick, Anthony P., Eagleville, Pa. Stock and die offer. 1,518,994; Dec. 9.
 McCoy, John R. (See Morgan, J. E. and McCoy.)
 McDonald, John L., St. Joseph, Mo. Reversible cuff. 1,518,803; Dec. 9.
 McElroy, William O., Jr., and J. F. Tropea, Riversedge, N. J. Toy vehicle. 1,518,661; Dec. 9.
 McGinn, A. G., Dallas, Tex. Fluid-dispensing pump. 1,518,864; Dec. 9.
 McGlothlen, John P., Seattle, Wash. Rocking-chair. Dec. 6, 1924; Dec. 9.
 McGovern, James, Taunton, assignor to The White-Warner Company, Boston, Mass. Guard for valves of gas ovens. 1,518,804; Dec. 9.
 McGraw, William P., assignor to Noble Jackson Company, Boston, Mass. Candy-curling machine. 1,518,805; Dec. 9.
 McKamey, James R. and R. N. Ashland, Oreg. Butt hook. 1,518,662; Dec. 9.
 McKamey, Robert N. (See McKamey, James R. and R. N.)
 McKenna, Charles B. (See Trager, Bernard, assignor.)
 McKeown, Samuel C., assignor to Splittorf Electrical Company, Newark, N. J. Circuit breaker for ignition magnets. 1,518,590; Dec. 9.
 McKeown, Samuel C., assignor to Splittorf Electrical Company, Newark, N. J. Magnet. 1,518,591; Dec. 9.
 McKisick, William H., Tulsa, Okla. Draining well tubing preparatory to drilling same. 1,518,865; Dec. 9.
 McLain, Robert H., Schenectady, N. Y., assignor to General Electric Company. Control of induction motors. 1,518,592; Dec. 9.
 McLenn, David S. (See Hutchison, G. H. and McLenn.)
 McManis, Edward, Tloga, La. Wheel drive. 1,519,036; Dec. 9.
 McMaster, Arthur H., Los Angeles, Calif. Engine-power-increasing device. 1,518,334; Dec. 9.
 McNery, Clyde J., Fort Madison, Iowa. Attachment for internal-combustion engines. 1,518,995; Dec. 9.
 McNicol, John W., Urbana, Ohio. Telephone-circuit-testing apparatus. 1,518,335; Dec. 9.
 McPhalen, Charles T., Los Angeles, Calif. Truck. 1,519,037; Dec. 9.
 Mead Pulp and Paper Company. (See Traquair, John, assignor.)
 Means, George. (See Holmes, A. and Means.)

Mehrlust, Jacob, New York, N. Y. Bracelet. 1,518,745; Dec. 9.
 Melissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arc transmitter for wireless telegraphy. 1,518,439; Dec. 9.
 Melissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Balancing circuit for telephonic transmission. 1,518,440; Dec. 9.
 Meldal, Edward, London, England. Seat guard for water-closets. 1,518,868; Dec. 9.
 Mendoza, Arnulfo, New York, N. Y., assignor to F. R. A. G. Corporation, Newark, N. J. Fountain toothbrush. 1,518,341; Dec. 9.
 Mendoza, Arnulfo, New York, N. Y., assignor to F. R. A. G. Corporation, Newark, N. J. Fountain toothbrush. 1,518,342; Dec. 9.
 Menge, Frank B., and W. Haab, New York, N. Y., assignors to Packard Motor Car Company, Detroit, Mich. Tire carrier. 1,518,533; Dec. 9.
 Mergott, J. E., Company, The. (See Fuller, Franz A., assignor.)
 Merritt, Merton, Syracuse, N. Y. Trap nest. 1,518,343; Dec. 9.
 Metcalf, Howard H., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Sealing machine. 1,518,534; Dec. 9.
 Metropolitan Electric Manufacturing Company. (See Winkelsch, Frederick O., assignor.)
 Meyer, Frank H., Warren, Ohio. Cushion-tire structure. 1,518,746; Dec. 9.
 Miles, George W., Sandwich, Mass., assignor to American Cellulose and Chemical Manufacturing Company, Ltd., New York, N. Y. Light-sensitive composition. 1,518,997; Dec. 9.
 Miller, Fred E., Wenatchee, Wash. Traffic signal. 1,518,998; Dec. 9.
 Miller, James F. (See Hurst, L. E. and Miller.)
 Miller, Jeanne, Muskegon, Mich. Garment accessory. 1,518,999; Dec. 9.
 Miller, John J., Chicago, Ill. Soap and suds container. 1,518,999; Dec. 9.
 Miller Lock Company. (See Solov, Frank, assignor.)
 Miller, Ralph L., Dayton, Ohio. Parachute toy. 1,518,344; Dec. 9.
 Miller, Tim K., South Bend, Ind. Rail joint. 1,518,667; Dec. 9.
 Miller Train Control Corporation, The. (See Murray, William B., assignor.)
 Mills Patent Holding Co. (See Allatt, Thomas, assignor.)
 Milwaukee Stamping Company. (See Petrie, August J., assignor.)
 Minter, Clarke C., New York, N. Y. Frosting glass and composition to be used therein. 1,518,807; Dec. 9.
 Mischke, Charles R. and R. C. Brooklyn, N. Y. Fur-shearing machine. 1,518,596; Dec. 9.
 Mischke, Reinhardt C. (See Mischke, Charles R. and R. C.)
 Mitchell, Isaac H. (See Mitchell, Obadiah T., I. H., W. M., and W. F.)
 Mitchell, John D., New Albany, Ind. Refrigerator. 1,518,668; Dec. 9.
 Mitchell, Obadiah T., I. H., W. M., and W. F., assignors of one-half to D. B. Sain, Sparta, Tenn. Union overalls. 1,518,345; Dec. 9.
 Mitchell, Waymon M. (See Mitchell, Obadiah T., I. H., W. M., and W. F.)
 Mitchell, William F. (See Mitchell, Obadiah T., I. H., W. M., and W. F.)
 Mitcho, Michael, Stockton, Pa. Flytrap. 1,518,535; Dec. 9.
 Mitusch, Alwin, and O. Balz, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture and production of oxalic acid. 1,518,597; Dec. 9.
 Mitts & Merrill. (See Mitts, Philip S., assignor.)
 Mitts, Philip S., assignor to Mitts & Merrill, Saginaw, Mich. Cylinder-drum mechanism for cutting machines. 1,518,213; Dec. 9.
 Mix, Melville W., Mishawaka, Ind. Composite wheel filler. 1,518,269; Dec. 9.
 Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Differential feeding mechanism for cup feed machines. 1,518,536; Dec. 9.
 Moore, Charles C., San Francisco, Calif. Drying fruit. 1,518,537; Dec. 9.
 Moore, Edith G., and M. P. Wood, New York, N. Y. Cigarette-package filler. 1,519,000; Dec. 9.
 Moore, Roy S., Chicago, Ill., assignor to The Moore Speedcrane, Inc. Steering mechanism for locomotive cranes. 1,518,808; Dec. 9.
 Moore Speedcrane, Inc., The. (See Moore, Roy S., assignor.)
 Morgan & Wright. (See Abbott, Adrian O., Jr., assignor.)
 Morgan & Wright. (See Young, Albert J., assignor.)
 Morgan, Charles N., Albany, and A. L. Keeler, Troy, N. Y. Furnace construction. 1,518,270; Dec. 9.
 Morgan, Edmund C., deceased, Chicago, Ill.; O. E. Morgan, executrix. Mining machine. 1,518,809; Dec. 9.
 Morgan, John E., and J. R. McCoy, Okemah, Okla. Underreamer. 1,519,039; Dec. 9.
 Morgan, Olive E., executrix. (See Morgan, Edmund C.)

Morinaga, Fum., New York, N. Y. Aerial toy. Dec. 6, 1925; Dec. 9.
 Moritz, Todd C. (See Nelson, J. M., Moritz, and Dilley.)
 Morris, Charles H., assignor to Shambow Shuttle Company, Woonsocket, R. I. Shuttle. 1,519,001; Dec. 9.
 Morrison, Lewis A., New York, N. Y. Inductance or tuner. 1,518,810; Dec. 9.
 Morse, Robert V., Ithaca, N. Y. Bomb-dropping sight. 1,519,002; Dec. 9.
 Moser, Felix, Holland, Mich. Sound resonator for pianos. 1,518,867; Dec. 9.
 Moser, Wilhelm. (See Mayer, B., Moser, and Würgler.)
 Moshak, Tony, Mishawaka, Ind. Plow. 1,519,003; Dec. 9.
 Mower, George A. (See Clark, Robert, assignor.)
 Moyer, Edward A. (See Hill R., and Moyer.)
 Muhleisen, Henry W., assignor to W. S. Rush & Co., Los Angeles, Calif. Take-up brake. 1,518,598; Dec. 9.
 Mulder, Peter W., Inlay City, assignor to G. M. Holley, Detroit, Mich. Making permanent metal molds from a permanent master positive mold. 1,518,271; Dec. 9.
 Müller, Carl A., Wittenhausen, Werra, Germany. Safety lock. 1,518,747; Dec. 9.
 Müller, Carl A., Wittenhausen, Werra, Germany. Safety lock. 1,518,748; Dec. 9.
 Müller, Philipp, Steglitz, near Berlin, Germany. Producing printing plates. 1,519,004; Dec. 9.
 Munson, Morton L., Lansing, Mich. Fish scaler. 1,518,538; Dec. 9.
 Murphy Wall Bed Company. (See Murphy, William L., assignor.)
 Murphy, William L., assignor to Murphy Wall Bed Company, San Francisco, Calif. Folding bed. 1,518,346; Dec. 9.
 Murray, Howard S., Los Angeles, Calif. Automatic meat broiler. 1,518,811; Dec. 9.
 Murray, Thomas E., Brooklyn, N. Y. Making pipe fittings and the like. 1,518,599; Dec. 9.
 Murray, William B., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Recording mechanism. 1,518,214; Dec. 9.
 Muzyczka, Peter, Bronx, N. Y. Sand distributor. 1,518,215; Dec. 9.
 Nash, Maurice R., West Point, Miss. Intake-manifold shield. 1,518,669; Dec. 9.
 National Brake & Electric Company. (See Alkman, Burton S., assignor.)
 National Carillon Company. (See Benner, R. C., and French, assignors.)
 National Malleable and Steel Castings Company. (See Ruzley, Arthur J., assignor.)
 National Screw and Tack Company, The. (See Olson, Axel L., assignor.)
 Neahr, Will C., assignor, by mesne assignments, to The Denver Rock Drill Manufacturing Company, Denver, Colo. Crossing signal. 1,518,539; Dec. 9.
 Nedland, Ivan T., Hillsboro, N. Dak. Stone-setting device. 1,519,040; Dec. 9.
 Nell, Joseph B., York, S. C. Water signal. 1,519,041; Dec. 9.
 Nelson, Charles J., and M. E. Widell, Maywood, Ill., assignors to American Can Company, New York, N. Y. Body-gauging hammer. 1,518,868; Dec. 9.
 Nelson, John E., Bucyrus, N. Dak. Tire-chain fastener. 1,518,541; Dec. 9.
 Nelson, Joseph J., Boston, Mass. Cuff button. 1,518,540; Dec. 9.
 Nelson, Joseph M., T. C. Moritz, and W. Dilley, Denver, Colo. Drilling machine. 1,518,347; Dec. 9.
 Nelson, Meynardie, Littleton, N. C. Vertical paper cutter. 1,518,749; Dec. 9.
 Nelson, Meynardie, Littleton, N. C. Vertical paper cutter. 1,518,750; Dec. 9.
 Neme, Joseph, Chicago, Ill. Refrigerator. 1,518,542; Dec. 9.
 Newcomb, John C. (See Gunn, C. H., and Newcomb.)
 Newton, Emmett S., et al. (See Klen, Edward T., assignor.)
 Nicholas Power Company. (See Uhlmann, T. F., and Ellwood, assignors.)
 Nicholson, William C., Oak Park, Ill. Rotating engine and operating connections therefor. 1,518,548; Dec. 9.
 Nielsen, Harald, London, assignor of one-half to B. Löfng, Hatfield, Herts, England. Rotary retort. 1,518,938; Dec. 9.
 Niles-Rement-Pond Company. (See Parkes, Albert W., assignor.)
 Nipson, Karl V., assignor to D. N. Aronson, H. A. Christenson, and L. Thomson, Chicago, Ill. Moisture indicator. 1,518,698; Dec. 9.
 Nitrogen Corporation, The. (See Wakeford, William T., assignor.)
 Noble Jackson Company. (See McGraw, William P., assignor.)
 Noe, William R., & Sons. (See Villaret, Gustave E., assignor.)
 Noel, Mac, Washington, D. C. Plaiting machine. 1,518,676; Dec. 9.
 Nolen, James G., New York, N. Y. Foot-pedal lift for vehicle jacks. 1,518,600; Dec. 9.
 Nolo, Sarah E., Venice, Calif. Flush tank. 1,518,699; Dec. 9.
 Novinsky, Stanley, Brownell, Pa. Baby jumper and amuser. 1,518,671; Dec. 9.

Nowell, Edward E., Manchester, N. H. Window bracket. 1,518,441; Dec. 9.
 Noyes, Paul P., et al. (See Kruse, Frederick P., assignor.)
 Nu-Way Barrel and Machinery Co. (See McClenny, Robert J., assignor.)
 Nygaard, Oscar O., Saugus, Mass., assignor to Combustion Engineering Corporation, New York, N. Y. Automatic stoker. 1,518,663; Dec. 9.
 Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical measurement apparatus. 1,518,543; Dec. 9.
 O'Connell, Michael J., Freeport, Ill. Tool kit. 1,518,672; Dec. 9.
 O'Day, Michael, Bridgenort, Conn. Holder for cables, clotheslines, and the like. 1,518,601; Dec. 9.
 O'N'On Chain Corporation. (See Johnston, A. Langstaff, Jr., assignor.)
 Ogden, J. Edward. (See Prescott, Arthur T., assignor.)
 O'Hara, Philip V., Ann Arbor, Mich. Milk dipper. 1,518,160; Dec. 9.
 Okun, Moses S., Philadelphia, Pa. Propeller. 1,518,544; Dec. 9.
 Olmstead, Henry H., Wharton, N. J. Resilient ring. 1,518,272; Dec. 9.
 Olson, Axel L., Essex, Conn., assignor to The National Screw and Tack Company, Cleveland, Ohio. Wire-spoke heading and bending machine. 1,518,869; Dec. 9.
 Olson, Charles J., Muskegon, Mich. Rotary engine. 1,518,812; Dec. 9.
 Olson, Sidney, Coon Valley, Wis. Combined tobacco-stripping and stalk-cutting machine. 1,518,349; Dec. 9.
 Onderdonk, Lansing, and A. J. Wohlborn, New York, N. Y., assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for cup-feed machines. 1,518,545; Dec. 9.
 Orady, Albert, Cleveland, Ohio. Dish and dish-cover rack. 1,518,216; Dec. 9.
 Ore Reclamation Company, The. (See Boylan, Samuel H., assignor.)
 Orth, Philipp, assignor to A. Trelek, Scotland, S. Dak. Attachment for harvesters. 1,518,813; Dec. 9.
 Osborn, Warren M., Chicago, assignor to Chicago Malleable Castings Company, West Pullman, Chicago, Ill. Rail-anchor plate. 1,518,870; Dec. 9.
 Osborn, Warren M., Chicago, Ill. Rail chair. 1,518,871; Dec. 9.
 Osborne, George A., El Dorado, Ark. Sand trap for oil wells. 1,519,042; Dec. 9.
 Oster, Albert G., assignor of one-half to M. A. Oster, St. Louis, Mo. Clothesline holder. 1,518,546; Dec. 9.
 Oster, Matthew C., Roy, Mont. Time-computing device. 1,518,547; Dec. 9.
 Oster, Maxime A. (See Oster, Albert G., assignor.)
 Osterday, Walter M. (See Lindley, Ernest W., assignor.)
 Osterhout, George H., Jr., Beaufort, S. C. Fountain pen. 1,518,548; Dec. 9.
 Ostermann, Henry, Chicago, Ill. Electric curling iron. 1,518,442; Dec. 9.
 Otto, Fred C., Worcester, Mass. Radiator. 1,518,700; Dec. 9.
 Otwell, Ralph B., Detroit, Mich. Tractor. 1,518,161; Dec. 9.
 Owen, Fernando C., Chicago, Ill. Telephone-locking device. 1,518,751; Dec. 9.
 Owen, James W., Secane, Pa., and A. Hewitt, Camden, N. J., assignors to Victor Talking Machine Company. Sound record and making the same. 1,518,443; Dec. 9.
 Pack, Samuel R., Washington, D. C. Electric battery. 1,518,874; Dec. 9.
 Packard Motor Car Company. (See Griswold, Walter R., assignor.)
 Packard Motor Car Company. (See Lepère, Eugène M. G., assignor.)
 Packard Motor Car Company. (See Menge, F. B., and Inah, assignors.)
 Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
 Pacz, Aladar, Cleveland Heights, Ohio. Producing fluorides. 1,518,872; Dec. 9.
 Page, Louis H., Jr. (See Harrison, C. K., Jr., and Page.)
 Paetz, Victor W., New York, N. Y. Rear-axle construction. 1,519,043; Dec. 9.
 Paiste, H. T., Company. (See Paiste, Henry T., assignor.)
 Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Electric switch. 1,519,044; Dec. 9.
 Palm, John D., Brockton, Mass. Arch support. 1,518,217; Dec. 9.
 Palmer, Edward H., trustee. (See Wenk, Friedrich, assignor.)
 Panko, Albert, Woodbridge, N. J. Plate hold. 1,519,045; Dec. 9.
 Pannier Bros. Stamp Co. (See Pannier, Oscar M., assignor.)
 Pannier Bros. Stamp Co. (See Pannier, William J., Jr., assignor.)
 Pannier, Oscar M., Ben Avon Heights, assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa. Stamping machine. 1,519,006; Dec. 9.
 Pannier, William J., Jr., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa. Embossing mechanism. 1,519,005; Dec. 9.

Paper Products Machine Company. (See Howard, Charles H., assignor.)
 Paper Products Machine Company. (See Howard, C. H., and Sharp, assignors.)
 Parker, Thaddeus, J. C. Lawrence, and F. G. Dunn, Primero, Colo. Safety headlight. 1,518,350; Dec. 9.
 Parkes, Albert W., Dundas, Canada, assignor to Niles-Bement-Pond Company, New York, N. Y. Feed ratchet for planers. 1,518,218; Dec. 9.
 Parkinson, Thomas, Topeka, Kans. Cooling room for hospitals. 1,518,162; Dec. 9.
 Patent Button Company, The. (See White, Franklin R., assignor.)
 Paterson, John H., assignor to The Premier Electric Welding Company, Limited, Westminster, London, England. Welding by the electric arc. 1,519,007; Dec. 9.
 Patton, Francis F., Chicago, Ill., assignor to Delta Tau Delta Fraternity, Badge. Des. 66,206; Dec. 9.
 Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Tractor hitch. 1,518,444; Dec. 9.
 Paulero, Louis, Petersburg, Va. Electric hammer. 1,518,273; Dec. 9.
 Pawlowski, Otto, Berlin, Germany. Automatic turret lathe. 1,518,163; Dec. 9.
 Pearce, Prince A., Norris City, Ill. Engine. 1,518,673; Dec. 9.
 Pedersen, John D., Jackson, Wyo. Automatic pistol. 1,518,602; Dec. 9.
 Pelletier, Michael, New York, N. Y. Picture frame. Des. 66,207; Dec. 9.
 Penn, Ralph, Des Moines, Iowa. Quick-acting switch mechanism. 1,518,701; Dec. 9.
 Penn Tobacco Company. (See Weizand, H., and Schobert, assignors.)
 Pereml, Edmund. (See Polachek, J., Jepsen, and Pereml.)
 Perkins, Elmer E., assignor to Elmer E. Perkins Company, Chicago, Ill. Drying room. 1,518,752; Dec. 9.
 Perkins, Elmer E., Company. (See Perkins, Elmer E., assignor.)
 Perks, Walter G., Romsey, England. Apparatus for hatching the eggs of birds. 1,518,351; Dec. 9.
 Perry, William G., assignor of one-half to G. M. Durrett and one-half to W. L. Adcock, Temple, Ga. Plowfender adjuster. 1,518,352; Dec. 9.
 Peter, Henry A., Philadelphia, Pa., assignor to Pioneer Suspender Company, Display box. 1,518,219; Dec. 9.
 Petrie, August J., assignor to Milwaukee Stamping Company, West Allis, Wis. Self-lubricating bearing. 1,518,220; Dec. 9.
 Petty, Thomas A., et al. (See Carmans, Havanar V., assignor.)
 Pewther, Judson C., Wichita, Kans. Antirattler. 1,519,046; Dec. 9.
 Phelan, Vincent W., Farrer, Iowa. Milk-bucket attachment. 1,518,445; Dec. 9.
 Phelps, Walter J., Baltimore, Md. Filling cans. 1,518,446; Dec. 9.
 Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
 Phillips, Robert A., Taylorville, Ill. Sanitary douche seat. 1,518,447; Dec. 9.
 Pierce, George L., Brooklyn, assignor to A. G. Spaulding & Bros., New York, N. Y. Football. 1,518,448; Dec. 9.
 Pierce, John K., Fort Worth, Tex. Flexible joint. 1,519,047; Dec. 9.
 Pike, Walter J. (See Walcott, C. R., and Pike.)
 Pioneer Suspender Company. (See Peter, Henry A., assignor.)
 Plantinga, Pierre, Cleveland, Ohio. Oil spray for carburetors. 1,518,449; Dec. 9.
 Plummer, Harold, Oakland, Calif. Shoe cleaning and polishing machine. 1,518,573; Dec. 9.
 Poe, Leslie, Cleveland, Miss. Buckle. 1,518,674; Dec. 9.
 Polachek, John, New York, J. Jepsen, Brooklyn, and E. Pereml, New York, assignors to J. Polachek, Long Island, N. Y., doing business as John Polachek Bronze & Iron Co., Window. 1,519,087; Dec. 9.
 Polachek, John. (See Polachek, J., Jepsen, and Pereml, assignors.)
 Polukowsky, Lipa, Hyde Park, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,518,815; Dec. 9.
 Polzer, Fridolin. (See Heyn, R. H., and Polzer.)
 Poole, Amos R., New York, N. Y. Knitted cap. Des. 66,208; Dec. 9.
 Port Arthur Shipbuilding Co. Ltd. (See Jones, Morris H., assignor.)
 Portland-Cementwerke, Heidelberg-Mannheim-Stuttgart, Aktien-Gesellschaft. (See Schott, E., and Haug, assignors.)
 Powell, Albert M., Shrewsbury, Mass. Cut-speed accelerating device. 1,518,702; Dec. 9.
 Powell, Edgar R., Payette, Idaho. Bed. 1,519,048; Dec. 9.
 Powell, Herbert S., New Hartford, N. Y. Floor or ceiling plate. 1,518,816; Dec. 9.
 Power Specialty Company. (See Hoffman, John H., assignor.)
 Powers, Charles C., Big Creek, Calif. Magnetic motor. 1,518,164; Dec. 9.

Pratt & Whitney Company. (See Hill, R., and Moyer, assignors.)
 Pratt & Whitney Company. (See La Ducer, Jerry J., assignor.)
 Premier Electric Welding Company, The. (See Paterson, John H., assignor.)
 Prescott, Arthur T., East Orange, N. J., assignor to J. E. Ogden, Mountville, N. Y. Spring hammer. 1,518,549; Dec. 9.
 Price, Frank E., Detroit, assignor to The Angle Bumper Corporation, Pontiac, Mich. Bumper. 1,518,753; Dec. 9.
 Prina, Frank and W., said W. Prina assignor to said Frank Prina, Jersey City, N. J. Electric amusement device. 1,518,754; Dec. 9.
 Prina, William. (See Prina, Frank and W.)
 Pritchard, Percy, Birmingham, England. Foundry molding machine. 1,519,049; Dec. 9.
 Prosperity Company, The. (See Ledbetter, James C., assignor.)
 Puening, Franz, Pittsburgh, Pa., assignor to American Tar Products Company, Chicago, Ill. Apparatus for coking liquefiable bituminous materials. 1,518,450; Dec. 9.
 Puelleman Manufacturing Corporation. (See Trinks, W. W., and Tucker, assignors.)
 Purkey, Clarence C., et al. (See Carmans, Havanar V., assignor.)
 Purkey, Lee G., et al. (See Carmans, Havanar V., assignor.)
 Purser, Joseph H., assignor of one-half to L. S. Hall, Los Angeles, Calif. Salvage-loop retainer. 1,519,008; Dec. 9.
 Purvis, James W., Houston, Tex. Heavy pipe tongs. 1,518,755; Dec. 9.
 Putnam, Alden L., Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del. Self-contained demountable wheel and hub cap. 1,518,550; Dec. 9.
 Raabe, Walter, Cothen, Anhalt, Germany. Leaching apparatus. 1,518,703; Dec. 9.
 Raaz, Frank H., El Campo, Tex. Mechanism for adjusting plows sidewise. 1,518,451; Dec. 9.
 Raaz, Frank H., El Campo, Tex. Draft rigging. 1,518,452; Dec. 9.
 Racine Confectioners Machinery Company. (See Hislop, Robert S., assignor.)
 Ralston, William S., assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa. Pressure regulator. 1,518,353; Dec. 9.
 Ramsey, Alwin, Danville, Ill. Car coupler. 1,518,574; Dec. 9.
 Ramspring Bumper Company. (See Baumgartl, L., and Hale, assignors.)
 Rand, James H., North Tonawanda, N. Y. Index frame. 1,518,354; Dec. 9.
 Ransom, Eugene. (See Vaughn, C. W., and Ransom.)
 Rapid Addressing Machine Company. (See Geiger, E. A., Schraegle, and Ellis, assignors.)
 Rapley, Harry J., Cambridge, and L. W. Kendrick, Boston, assignors to The Carter's Ink Company, Cambridge, Mass. Inking pad. 1,518,756; Dec. 9.
 Rarich, Commodore D., Wilkes-Barre, Pa. Vehicle brake. 1,518,704; Dec. 9.
 Raritan Copper Works. (See Sibol, Frank J., assignor.)
 Raun, Peter H., assignor to The Frederick Engineering Company, Frederick, Md. Conveyor pipe. 1,518,705; Dec. 9.
 Rawls, Franz, Osnabruck-Schinkel, Germany. Railway buffer construction. 1,518,453; Dec. 9.
 Raymer, Guy N., Hydesville, Calif. Animal clipper. 1,519,050; Dec. 9.
 Raymond Bros. Engineering Co. (See Brunner, Albert H., assignor.)
 Raymond Concrete Pile Company. (See Schroeder, F. A., and Smith, assignors.)
 Rayner, Alfred W., New York, N. Y. Cigar-box attachment. 1,519,051; Dec. 9.
 Reach, Milton B., Springfield, Mass., assignor to A. G. Spaulding & Bros., New York, N. Y. Indicator for golf clubs. 1,519,052; Dec. 9.
 Redman, Frank, Atlantic City, N. J. Shoe heel. 1,518,575; Dec. 9.
 Reed Propeller Co., The. (See Reed, Sylvanus A., assignor.)
 Reed Roller Bit Company. (See Duda, Oswald, assignor.)
 Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Aeronautical propeller. 1,518,410; Dec. 9.
 Reibel, Jean F. J., Chatelleraut, France, assignor to l'Etat Francais, Departement de la Guerre, represente par le Ministre de la Guerre. Device for moderating the speed of discharge for automatic firearms. 1,518,355; Dec. 9.
 Reid, James C., Jr., Cleveland, Ohio. Excavating mechanism. 1,518,757; Dec. 9.
 Reiber, Herbert H., Philadelphia, Pa. Valve. 1,518,221; Dec. 9.
 Reina, Joseph J., assignor of one-half to R. F. Welch, New York, N. Y. Removable insole for shoes. 1,519,009; Dec. 9.
 Rew, John E., Niagara Falls, N. Y. Medicated combustible. 1,519,053; Dec. 9.

Reynolds, Lynus C., Washington, D. C. Tabulating mechanism. 1,519,054; Dec. 9.
 Reynolds, Mary J., St. Joseph, Mo. Railway signal and gate. 1,519,055; Dec. 9.
 Reznor, George F., Mercer, Pa. Making gas burners. 1,519,010; Dec. 9.
 Rheinische Stahlwerke. (See Casel, Franz, assignor.)
 Rich, Clarence L., Sioux Falls, S. Dak. Mechanical football game. 1,518,817; Dec. 9.
 Richards, Charles E., Syracuse, N. Y. Talking or singing doll and other figure or statuette. 1,518,165; Dec. 9.
 Richardson, George J. (See Lutz, A. H., and Richardson.)
 Riche, Jacob P., Kansas City, Mo. Wall-paper-removing machine. 1,518,454; Dec. 9.
 Rietz, Eduard, Sao Paulo, Brazil. Graphite crucible. 1,518,818; Dec. 9.
 Risco, William S., Michigamme, Mich. Name-plate holder. 1,518,356; Dec. 9.
 Risluger, Frank V., Cleveland, Ohio. Burner. 1,519,056; Dec. 9.
 Ritter, Elmer L., Cosby, Mo. Braking mechanism for vehicle trailers. 1,518,357; Dec. 9.
 Ritter, George W., assignor to Sublime Order of Khat, Inc., Baltimore, Md. Badge or like article. Des. 66,209; Dec. 9.
 Rivano, Aristides, Santiago, Chile. Fluid turbine. 1,518,274; Dec. 9.
 Rober, Peter, El Monte, Calif. Walnut graft. 1,518,603; Dec. 9.
 Roberts, Clarence V., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven door. 1,519,057; Dec. 9.
 Roberts & Mander Stove Company. (See Roberts, Clarence V., assignor.)
 Robertson, William. (See Rosine, Conrad, assignor.)
 Roddy, Charles W., Miami, Ariz. Combined lock and latch. 1,518,819; Dec. 9.
 Rodie, Elizabeth M., Milwaukee, Wis. Underhose. 1,518,758; Dec. 9.
 Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Sheet-metal wheel. 1,518,411; Dec. 9.
 Roessler & Hunsbacher Chemical Company, The. (See Wernlund, Christian J., assignor.)
 Rohn, Wilhelm, Hanau, Germany. Melting metals. 1,519,058; Dec. 9.
 Rolls Royce Limited. (See Royce, Frederick H., assignor.)
 Romanoff, Hippolyte W., New York, N. Y. Preparing parquet flooring or wallcovering. 1,518,820; Dec. 9.
 Romayne, John, New York, N. Y. Poudreuse. 1,518,358; Dec. 9.
 Root, William D., assignor to The Machinery Improvement Company, Cleveland, Ohio. Liquid-dispensing device. 1,518,275; Dec. 9.
 Rosenbaum Brothers, Inc. (See Angell, Albert, Jr., assignor.)
 Rosine, Conrad, assignor of one-half to W. Robertson, Chicago, Ill. Pad holder for telephone transmitters. 1,518,576; Dec. 9.
 Rosner, Adolph, Bridgeport, Conn., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y. Friction clutch. 1,518,604; Dec. 9.
 Ross, Harry, London, England. Fountain pen. 1,518,821; Dec. 9.
 Ross, John D., Pasadena, Calif. Sprinkler nozzle. 1,518,412; Dec. 9.
 Ross, William E., Chicago, Ill. Mounting for wheel-dressing tools. 1,518,413; Dec. 9.
 Rossman, Charles H., Spring Mills, Pa. Hand control means for clutch pedals. 1,518,359; Dec. 9.
 Roth, Adolph F., Newark, N. J. Centrifugal fan. 1,518,455; Dec. 9.
 Roth, Pedro, Buenos Aires, Argentina. Pumping hot liquids. 1,518,456; Dec. 9.
 Rowe, Inc. (See Bennett, H. G., and Rowe.)
 Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Mounting of engine gears. 1,518,360; Dec. 9.
 Rubenstein, Julius B., et al. (See Hart, Harry, assignor.)
 Ruden, Henry M., Allentown, Conn. Exercising apparatus. 1,518,361; Dec. 9.
 Rudolph, Wilhelm. (See Hecht, H., and Rudolph.)
 Rundell, Sam S., assignor of forty-nine one-hundredths to H. J. Cowgill and J. H. Slaughter, Bogalusa, La. Oil cup. 1,518,675; Dec. 9.
 Rush, W. S., et al. (See Muhleisen, Henry W., assignor.)
 Rushing, Charles L. (See Henson, Ernest N., assignor.)
 Russell, Percy, Swarthmore, assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Electric switch. 1,519,059; Dec. 9.
 Ryon, Eppa H. (See Chevette, A. J., and Ryon.)
 S & K Burner Corporation. (See Walker, Edward L., assignor.)
 Sandi, Edward, Brooklyn, N. Y. Pencil. 1,518,822; Dec. 9.
 Saho, Louis, Carolina, W. Va. Car pusher. 1,518,605; Dec. 9.
 Sack, Herman R., Wallingford, Pa. Wheel for demountable rims. 1,518,276; Dec. 9.
 Saco-Lowell Shops. (See Wilkinson, Harry, assignor.)
 Safety Car Heating & Lighting Company, The. (See Dadds, William B., assignor.)

Safety Car Heating & Lighting Co., The. (See Vuilleumier, Rudolph, assignor.)
 Sain, Dorsey B. (See Mitchell, Obediah T., I. H., W. M., and W. F., assignors.)
 St. John, Harry M., Detroit, Mich. Electro-cooling construction. 1,518,416; Dec. 9.
 St. Peter, Napoleon, Fairfield, Me., assignor to W. D. Hunt, Brookline, Mass. Machine for molding articles from plastic material. 1,518,282; Dec. 9.
 Sallwasser, William H., Chicago, Ill. Baling press. 1,518,362; Dec. 9.
 Sandlin, Arthur L., Bismarck, N. Dak. Valve-spring compressor. 1,519,060; Dec. 9.
 Sarkisian, Dickran M., Forest Hills, N. Y. Curtain ring. 1,518,363; Dec. 9.
 Sartig, Johannes, Berlin-Zehlendorf, Germany. Denicotinizing tobacco. 1,518,706; Dec. 9.
 Sather, Carl O., assignor to E. Kleppen, Minneapolis, Minn. Closure extracting and replacing device for receptacles. 1,518,222; Dec. 9.
 Sayers, Albert J., assignor to Link-Belt Company, Chicago, Ill. Loading boom. 1,518,759; Dec. 9.
 Sayford, Frank M., Brooklyn, N. Y. Cooling device. 1,518,277; Dec. 9.
 Sayles Finishing Plants, Inc. (See Huey, Harold I., assignor.)
 Scharfenberg, Oswald. (See Herzberg, W., and Scharfenberg.)
 Schellenberg, Walther, Barmen-Rittershausen, Germany. Furnace grate. 1,518,364; Dec. 9.
 Schergens, Charles, St. Louis, Mo. Rim. 1,518,457; Dec. 9.
 Schlagle, Charles E. (See Downton, Bertram E., assignor.)
 Schlaich, Herman, Brooklyn, N. Y. Compensated distance-type thermometer. 1,518,939; Dec. 9.
 Schmidt, Charles D., Jamaica, N. Y. Antiskid device. 1,518,577; Dec. 9.
 Schmidt, Henry A., and W. E. K. Schossow, Milwaukee, Wis. Combination nipple and pacifier. 1,518,823; Dec. 9.
 Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile door handle. Des. 66,210; Dec. 9.
 Schobert, Oscar E. (See Weizand, H., and Schobert.)
 Schooley, Floyd W., Chicago, Ill. Check holder and punch. 1,518,458; Dec. 9.
 Schossow, William E. K. (See Schmidt, H. A., and Schossow.)
 Schott, Ehrhart, and W. Haug, Leimen, near Heidelberg, assignors to the Firm Portland-Cementwerke Heidelberg-Mannheim-Stuttgart, Aktien-Gesellschaft, Heidelberg, Germany. Burner for pulverous fuel. 1,518,223; Dec. 9.
 Schraegle, August F. (See Geiger, E. A., Schraegle, and Ellis.)
 Schramm, Adolph W., Riverton, N. J. assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Electric switch. 1,519,061; Dec. 9.
 Schröder, Edmund, Berlin, Germany, assignor to the Firm Braun-Brüning & Co., Basel, Switzerland. Electric welding and heating device. 1,519,062; Dec. 9.
 Schröder, Edmund, Berlin, Germany, assignor to the Firm Braun-Brüning & Co., Basel, Switzerland. Electric seam-welding machine. 1,519,063; Dec. 9.
 Schroeder, Frederick A., Bogota, N. J., and H. R. Smith, Brooklyn, assignors to Raymond Concrete Pile Company, New York, N. Y. Brick-handling machine. 1,518,278; Dec. 9.
 Schuch Machine Company. (See Kennedy, William L., assignor.)
 Schutte and Koerting Company. (See Knauf, Paul W., assignor.)
 Schwartz, Otto, Detroit, Mich. Radiator shield. 1,519,011; Dec. 9.
 Schwarz, Joseph M., New York, N. Y. Aluminum-nickel alloy. 1,518,760; Dec. 9.
 Schweizerische Industrie Gesellschaft. (See Furrer, Adolf, assignor.)
 Sealock, John W., Grand Rapids, Mich. Radiator cap for automobiles. Des. 66,211; Dec. 9.
 Sears, Roebuck and Co. (See Cahill, James H., assignor.)
 Sears, Roebuck and Co. (See Kingdon, Ralph H., assignor.)
 Seidemann, William A., and J. Johnson, assignors to Snap-On Wrench Company, Milwaukee, Wis. Tap wrench. 1,518,224; Dec. 9.
 Seng Company, The. (See Dyke, Darrell F., assignor.)
 Serre, Jean, Le Bouscat-Bordeaux, France. Apparatus for distributing pesty soap. 1,518,676; Dec. 9.
 Sewell, Frank F., Parkersburg, W. Va. Application-cylinder air-release valve for air-brake equipment. 1,518,677; Dec. 9.
 Shahapzian, Nazik, Washington, D. C. Ointment. 1,518,365; Dec. 9.
 Shambow Shuttle Company. (See Morris, Charles H., assignor.)
 Shapiro, Fanny. (See Solomon, Anna, assignor.)
 Sharp, Lewis. (See Howard, C. H., and Sharp.)
 Sharp, Warren J., Meridian, Miss. Fishhook. 1,518,166; Dec. 9.
 Sharples, Laurence P., West Chester, Pa. Milking machine. 1,518,225; Dec. 9.

Shawmut Engineering Company. (See Lea, Charles, assignor.)
 Shenfe, James S., Evanston, Ill. Stopcock. 1,518,606; Dec. 9.
 Sheer, H. M., Company. (See Snow, Lyle N., assignor.)
 Sheldon, Samuel B., Duluth, Minn. Operating blast furnaces. 1,518,459; Dec. 9.
 Shepherd, Jesse E., S., Indianapolis, Ind. Filling battery plates. 1,518,226; Dec. 9.
 Shevenell, John L., et al., trustees. (See Josephson, Helmer G., assignor.)
 Shimer, Porter W., Easton, Pa. Treatment of case-hardening baths. 1,518,607; Dec. 9.
 Shoemaker, Alvie R., and J. F. Hasenkamp, Chattanooga, Tenn. Attachment for motion-picture-projecting apparatus. 1,519,064; Dec. 9.
 Shore, William E., New York, N. Y. Carburation control for internal-combustion engines. 1,519,012; Dec. 9.
 Short, Charles, Darby, Pa., assignor to The S. S. White Dental Manufacturing Company. Tooth shade guide. 1,518,608; Dec. 9.
 Shorts, Nelson T., Fern, Pa. Vehicle signal. 1,518,366; Dec. 9.
 Sibbey, Irving A., Jr., Chicago, Ill. Bracket for automobile bumpers. 1,518,414; Dec. 9.
 Sibol, Frank J., Perth Amboy, N. J., assignor to Raritan Copper Works. Apparatus to facilitate the removal of starting-sheet deposits from their receiving blanks. 1,518,609; Dec. 9.
 Sidebottom, John W. (See Kenney, F. B., and Sidebottom.)
 Sidener, Roger D., St. Louis, Mo. Dental cream container. 1,519,065; Dec. 9.
 Signal Gesellschaft mit beschränkter Haftung. (See Hecht, H., and Rudolph, assignors.)
 Silica Brick & Engineering Company. (See Euwecke, Frank, assignor.)
 Silver, Jesse W., Tacoma, Wash. Information directory. 1,518,761; Dec. 9.
 Simonson, Leo R., New York, N. Y. Adjustable stand for hair-waving apparatus. 1,518,227; Dec. 9.
 Sipula, Charles, Billerica, Mass. Vaporizing device for internal-combustion engines. 1,519,013; Dec. 9.
 Slaughter, J. H., et al. (See Rundell, Sam S., assignor.)
 Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)
 Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Planer or shaper. 1,518,707; Dec. 9.
 Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive equalizer. 1,518,228; Dec. 9.
 Smart, Russel S. (See Youngquist, Carl G., assignor.)
 Smith, Arthur C., Meriden, Conn. Combination test clamp. 1,518,460; Dec. 9.
 Smith Cannery Machines Company. (See Waugh, Edward H., assignor.)
 Smith, Cyrus E., assignor to one-half to A. B. Brayton, Fall River, Mass. Automatic cut-off. 1,518,461; Dec. 9.
 Smith, Dorothy P., et al., trustees. (See MacCarthy, Redmond A., assignor.)
 Smith, Edward, Buffalo, N. Y. Illuminated indicator device. 1,518,708; Dec. 9.
 Smith, Forrest J., Copley, Ohio. Plug. 1,518,462; Dec. 9.
 Smith, Herman R. (See Schroeder, F. A., and Smith.)
 Smith, Margaret J., Chicago, Ill. Curtain holder and protector. 1,518,824; Dec. 9.
 Smith, Samuel B., Brooklyn, N. Y. Lock washer. 1,519,066; Dec. 9.
 Smith, Thomas G., Coffee Creek, Mont. Tool for removing bolts, keys, etc. 1,519,067; Dec. 9.
 Smoot, Charles H., Maplewood, N. J. Fluid meter. 1,518,279; Dec. 9.
 Snap-On Wrench Company. (See Seidemann, W. A., and Johnson, assignors.)
 Snider, Clint B., Independence, Kans. Piston-ring expander. 1,518,940; Dec. 9.
 Snow, Lyle N., assignor to H. M. Sheer Company, Quincy, Ill. Egg turner. 1,519,068; Dec. 9.
 Snow Manufacturing Company. (See Livingston, Frank S., assignor.)
 Snyder, George T., Natchez, Miss. Hammer. 1,519,069; Dec. 9.
 Society of Chemical Industry in Basle. (See Mayer, B., Moser, and Würgler, assignors.)
 Society of Chemical Industry in Basle. (See Tobler, Richard, assignor.)
 Soley, Frank, assignor to Miller Lock Company, Philadelphia, Pa. Latch lock. 1,519,070; Dec. 9.
 Solomon, Anna, assignor of one-half to F. Shapiro, New York, N. Y. Ventilated hat. 1,518,941; Dec. 9.
 Sovereign, George E., Plainfield, N. J. Traffic signal. 1,518,678; Dec. 9.
 Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
 Spalding, A. G., & Bros. (See Reach, Milton B., assignor.)
 Spear, Howard A., assignor of one-half to J. W. Stacy, Springfield, Mass. Flushing valve. 1,518,942; Dec. 9.
 Spees, Dana, Sheboygan Falls, Wis. Excavating apparatus. 1,518,463; Dec. 9.

Speldel, Charles F., and J. Christie, assignors to Eastman Kodak Company, Rochester, N. Y. Numbering stamp for photographic-printing machines. 1,518,415; Dec. 9.
 Spencer Elevator Co. (See Day, Wallace E., assignor.)
 Spencer, John R., Erie, Pa., assignor to Hogan-Spencer-Whitley Company. Reversing mechanism. 1,518,878; Dec. 9.
 Spencer, John R., and J. J. Hogan, Erie, Pa., assignors to Hogan-Spencer-Whitley Company. Reversing mechanism for washing machines. 1,518,879; Dec. 9.
 Spencer, William H., assignor to I. P. Frink, Inc., New York, N. Y. Adjustable reflector. 1,519,071; Dec. 9.
 Sperry Gyroscope Company, The. (See Bates, Mortimer F., assignor.)
 Speyer, Samuel H., New York, N. Y. Faucet. 1,518,367; Dec. 9.
 Splittorf Electrical Company. (See McKeown, Samuel C., assignor.)
 Springett, Stephen. (See Arutunoff, Armais, assignor.)
 Stacy, John W. (See Spear, Howard A., assignor.)
 Star Planting Co. (See Lapatin, Abraham, assignor.)
 Stasak, Alois, Detroit, Mich. Headlight-operating mechanism. 1,518,229; Dec. 9.
 Steed, Otto H. G., Stafford, England. Rotatable pipe joint. 1,518,368; Dec. 9.
 Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Making crank shafts. 1,518,610; Dec. 9.
 Steers, Newton I., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Blasting cap. 1,518,611; Dec. 9.
 Stephens, Eschol L., Rutherford, W. Va. Clutch-pedal latch for motor vehicles. 1,518,464; Dec. 9.
 Sternberg, William F., Piper City, Ill. Tractor. 1,518,465; Dec. 9.
 Stevens, Harry M., Schenectady, N. Y., assignor to General Electric Company. Alternating-current electromagnet. 1,518,612; Dec. 9.
 Stevenson, Donald E., Indianapolis, Ind. Tire boot. 1,518,466; Dec. 9.
 Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,518,230; Dec. 9.
 Stinchfield, Ray L., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,518,417; Dec. 9.
 Stock, Clarence A., Richmond, Calif. Dental tool. 1,518,825; Dec. 9.
 Stockton, Meredith M., St. Louis, Mo. Banking instrument for use in utilizing saving deposits as a credit without withdrawal. 1,518,280; Dec. 9.
 Stöhr, Miroslav, Prague, Czechoslovakia. Stove. 1,518,281; Dec. 9.
 Stolp, John V., Grand Rapids, Mich. Vehicle wheel. 1,518,369; Dec. 9.
 Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,518,231; Dec. 9.
 Story, Elliott M., Worcester, Mass. Holder for show cards, etc. 1,518,943; Dec. 9.
 Strehl, Frank, assignor to Union Machinery Company, Joliet, Ill. Dough mixer. 1,518,418; Dec. 9.
 Strenpel, Hugo, Richmond, Tex. Draft equalizer. 1,518,880; Dec. 9.
 Strong-Scott Mfg. Co. (See Erickson, Marcus A., assignor.)
 Stroud, William. (See Barr, A., and Stroud.)
 Styl, Harry H. (See Hill, H. W., and Styl.)
 Styl, Harry H., Southbridge, Mass. Reader. 1,518,419; Dec. 9.
 Sublime Order of Khat, Inc. (See Ritter, George W., assignor.)
 Sulzberger, Nathan, New York, N. Y. Asbestos paper, etc. 1,518,944; Dec. 9.
 Susquehanna Silk Mills. (See Bunting, James H., assignor.)
 Tabb, Frederick W. (See du Boisessellin, H., Tabb, and Hertenbela.)
 Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gyroscopic compass. 1,518,762; Dec. 9.
 Tarlton, Perle E., Los Angeles, Calif. Axle or shafting guard. 1,519,072; Dec. 9.
 Taylor, Edward R. (See Jones, P. T., and Taylor.)
 Taylor, Loren E., Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y. Coloring motion-picture films. 1,518,945; Dec. 9.
 Taylor, Loren E., Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y. Coloring motion-picture films. 1,518,946; Dec. 9.
 Technical Research Works Limited. (See Lush, Ernest J., assignor.)
 Teeter, Benben B., Los Angeles, Calif. Casement window. 1,518,613; Dec. 9.
 Teltz, Emanuel, Newark, N. J. Signaling device. 1,518,232; Dec. 9.
 Ternstedt Manufacturing Company. (See Schnell, William, assignor.)
 Teter, Leland D., Livingstonville, N. Y. Raising and lowering mechanism. 1,518,826; Dec. 9.
 Thaxton, Bernard E. (See Kiefer, B. E., and Thaxton.)
 Thoberath, Joseph C., Cleveland, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Rim-burring machine. 1,518,283; Dec. 9.

Thomas, Martin E., Stratford, assignor of one-fourth to J. L. Gray, Britton, one-eighth to G. C. Arnold, one-eighth to W. L. Allen, and one-fourth to I. F. Hasley, Oklahoma City, Okla. Drill. 1,518,370; Dec. 9.
 Thomas, Morris, Warren Center, Pa. Bench attachment. 1,518,769; Dec. 9.
 Thomas, Thomas D., Oakland, Calif. Towel-wrapping machine. 1,518,827; Dec. 9.
 Thomsen, Lawrence, et al. (See Nilson, Karl V., assignor.)
 Thornhill-Anderson Company. (See Thornhill, E. B., and Anderson, assignors.)
 Thornhill, Edwin B., and H. G. S. Anderson, Hurley, N. Mex., assignors to Thornhill-Anderson Company, Muskogee, Okla. Recovery of copper from ores thereof. 1,518,828; Dec. 9.
 Thornhill, Edwin B., and H. G. S. Anderson, Hurley, N. Mex., assignors to Thornhill-Anderson Company, Muskogee, Okla. Recovery of copper from ores thereof. 1,518,829; Dec. 9.
 Thovson, Thomas O., E. Bray, and C. S. and O. Brager, Hamletown, Iowa. Gate latch. 1,519,073; Dec. 9.
 Thyssen & Co., Aktien-Gesellschaft. (See Davies, K., and Weissenberg, assignors.)
 Tibbitts, Charles B. (See Hamilton, H. D., and Tibbitts.)
 Timken Roller Bearing Company, The. (See Dickinson, Elisha N., assignor.)
 Titchener-Diehl Company. (See Cylis, James A., assignor.)
 Tobler, Richard, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of new vat dyestuffs. 1,518,710; Dec. 9.
 Tornberg, Isidor, Plainfield, N. J. Combined check protector and blotter. 1,518,614; Dec. 9.
 Torrence, John C., New Orleans, La. Window-shade hanger. 1,519,074; Dec. 9.
 Toupet, J. H. (See Edie, John B., assignor.)
 Trager, Bernard, assignor of one-fourth to C. B. McKenna, New York, N. Y. Valve. 1,518,233; Dec. 9.
 Traquair, John, Chillicothe, assignor to Mead Pulp and Paper Company, Dayton, Ohio. Coating paper. 1,518,371; Dec. 9.
 Trask, Orr C., Toronto, Ontario, Canada. Burner-temperature-indicating mechanism. 1,518,711; Dec. 9.
 Trelek, Arthur. (See Orth, Philipp, assignor.)
 Trinks, William W., Bridgeport, Conn., and B. W. Tucker, South Orange, N. J., assignors to Pulclean Manufacturing Corporation, Bridgeport, Conn. Towel-separating mechanism for laundering machines. 1,518,615; Dec. 9.
 Tropae, Joseph F. (See McElroy, W. O., Jr., and Tropae.)
 Trotman, William E. K., Wood Green, England. Expanding cylinder mold and dandy roll for paper-making machines. 1,518,712; Dec. 9.
 Trow, Ferville A., Albert Lea, Minn. Camp stove. 1,518,713; Dec. 9.
 Troxel Manufacturing Company, The. (See Linder, Andrew J., assignor.)
 Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
 Tsong, Charles L., Cambridge, Mass. Viscosimeter. 1,518,167; Dec. 9.
 Tucker, Benjamin W. (See Trinks, W. W., and Tucker.)
 Turner, Charles S., Detroit, Mich. Speedometer adapter for instrument boards. 1,518,420; Dec. 9.
 Twiss, William J., High River, Canada. Horseshoe. 1,518,372; Dec. 9.
 Uhlemann, Theodore F., and W. Ellwood, assignors to Nicholas Power Company, Inc., New York, N. Y. Framing mechanism for moving-picture machines. 1,518,873; Dec. 9.
 Underwood Typewriter Company. (See Griffin, John B., assignor.)
 Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
 Underwood Typewriter Company. (See Waldheim, John, assignor.)
 Union Machinery Company. (See Streich, Frank, assignor.)
 Union Special Machine Company. (See Klemm, Hermann A., assignor.)
 Union Special Machine Company. (See Moffatt, James R., assignor.)
 Union Special Machine Company. (See Onderdonk, L., and Wahlport, assignors.)
 United Shoe Machinery Corporation. (See Braden, Albert R., assignor.)
 United Shoe Machinery Corporation. (See Hamilton, H. D., and Tibbitts, assignors.)
 United Shoe Machinery Corporation. (See Jacques, George W., assignor.)
 United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
 United States Gypsum Company. (See Birdsey, Charles R., assignor.)
 United States Hoffman Machinery Corporation. (See Goldhof, Peter E., assignor.)
 United States Hoffman Machinery Corporation. (See Ledbetter, James C., assignor.)
 Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)
 Van Hooydonk, Adrian C., Monroe, Mich. Trolley wheel. 1,518,168; Dec. 9.

Van Lijnden, Leonard L. J. (See Vermaes, S. J., and Van Lijnden.)
 Van Pelt, James D., South Amboy, N. J. Closure-cap anchor. 1,518,467; Dec. 9.
 Vansant, Frank, Topeka, Kans. Window sash. 1,518,374; Dec. 9.
 Vapor Car Heating Company. (See Bliss, William L., assignor.)
 Varnell, Sidney, and J. L. Harris, Kingsland, Ark. Highway safety device. 1,518,616; Dec. 9.
 Varnier, Leon, et al. (See du Boisessellin, H., Tabb, and Hertenbela, assignors.)
 Vaughn, Calvin W., and E. Ransom, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire-drawing machine. 1,518,714; Dec. 9.
 Vaughn Machinery Company, The. (See Vaughn, C. W., and Ransom, assignors.)
 Vermaes, Stefanus J., Delft, and L. L. J. van Lijnden, The Hague, Netherlands. Obtaining metals from their chloride vapors. 1,518,375; Dec. 9.
 Vermaes, Stefanus J., Delft, and L. L. J. van Lijnden, The Hague, Netherlands. Chloridizing volatilization of metals. 1,518,376; Dec. 9.
 Victor, Henry O., Saginaw, Mich. Combination radio cabinet and loud speaker. Dec. 66,212; Dec. 9.
 Victor, Henry O., Saginaw, Mich. Combination radio cabinet and loud speaker. Dec. 66,213; Dec. 9.
 Victor, Henry O., Saginaw, Mich. Combination radio cabinet and loud speaker. Dec. 66,214; Dec. 9.
 Victor, Henry O., Saginaw, Mich. Combination radio cabinet and loud speaker. Dec. 66,215; Dec. 9.
 Victor, Henry O., Saginaw, Mich. Combination radio cabinet and loud speaker. Dec. 66,216; Dec. 9.
 Victor, Henry O., Saginaw, Mich. Combination radio cabinet and loud speaker. Dec. 66,217; Dec. 9.
 Victor Talking Machine Company. (See Owen, J. W., and Hewitt, assignors.)
 Villaret, Gustave E., Leonia, N. J., assignor to William R. Roe & Sons, New York, N. Y. Final for lighting fixture. Dec. 66,218; Dec. 9.
 Villaret, Gustave E., Leonia, N. J., assignor to William R. Roe & Sons, New York, N. Y. Final for lighting fixture. Dec. 66,219; Dec. 9.
 Virag, Alexander, Townsend, Del. Shipping basket for fruits and vegetables. 1,518,234; Dec. 9.
 Virden, Clarence W., Kansas City, Mo. Internal-combustion engine. 1,518,468; Dec. 9.
 Vortex Mfg. Co., The. (See Holman, Rudolph, assignor.)
 Vulcan Iron Works. (See Damon, George B., assignor.)
 Waddell, Dean T., executrix. (See Waddell, John M.)
 Waddell, John M., deceased, Greenfield, Ohio; D. T. Waddell, executor. Display and sales case. 1,518,235; Dec. 9.
 Wagner, Russell D. (See Dunorth, Frank G., assignor.)
 Wakeford, William T., assignor to The Nitrogen Corporation, Providence, R. I. Separation of ammonia from its formative gases. 1,518,421; Dec. 9.
 Walcott, Collin R., and W. J. Pike, assignors to W. F. Hatch, Newaygo, Mich. Vibratile screen. 1,518,236; Dec. 9.
 Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,518,617; Dec. 9.
 Walker, Arlo C., Bridgeport, and W. R. Young, Fairfield, Conn. Air-hose equipment. 1,518,881; Dec. 9.
 Walker, Edward L., West Barrington, assignor to S & K Burner Corporation, Providence, R. I. Oil burner. 1,518,947; Dec. 9.
 Walker, Grover C., Chicago, Ill. Ventilator. 1,518,715; Dec. 9.
 Walker, John B., Brooklyn, N. Y., and A. R. Bond, Plainfield, N. J. Fire control of guns. 1,518,882; Dec. 9.
 Wankel, Frank, Brooklyn, N. Y. Key cutter. 1,518,469; Dec. 9.
 Warné, Charles C., Yonkers, N. Y. Tie-plug system. 1,518,470; Dec. 9.
 Warrington, John G., Dansville, N. Y. Cotter-pin extractor. 1,518,169; Dec. 9.
 Washburn-Crosby Company. (See Harding, Henry O., assignor.)
 Waters, Gilbert C., Jr., New York, assignor to S. F. Cohen, Brooklyn, N. Y. Wreath and making the same. 1,518,618; Dec. 9.
 Watson, Chester A., Ballinger, Tex. Can opener. 1,519,075; Dec. 9.
 Watson, William, and D. W. Kent-Jones, assignors to Woodlands Limited, Dover, Kent, England. Improver for flour for baking bread and method of making. 1,519,014; Dec. 9.
 Waugh, Edward H., assignor to Smith Cannery Machines Company, Seattle, Wash. Centering and holding means for cutter heads and the like. 1,518,716; Dec. 9.
 Weaver, Christopher C., Gary, Ind. Instantaneous water heater. 1,518,883; Dec. 9.
 Weaver, Robert R., assignor to General American Tank Car Corporation, Chicago, Ill. Tank car. 1,518,471; Dec. 9.
 Web Wheel Company Limited, The. (See Worrall, W. H., and Flunder, assignors.)
 Weber, Harry M. (See Ellis C., and Weber.)

Webster Electric Company. (See Hawkins, William W., assignor.)
 Weed, Edward D., Rockford, Ill. Changeable sign exhibitor. 1,519,076; Dec. 9.
 Weigand, Henry, Wilkes-Barre, and O. E. Schobert, West Pittston, assignors to Penn Tobacco Company, Wilkes-Barre, Pa. Tobacco-stemming machine. 1,519,077; Dec. 9.
 Weiner, Morris, Bicknell, Ind. Pocket construction. 1,518,884; Dec. 9.
 Weissenberg, Bruno. (See Daeyes, K., and Weissenberg.)
 Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. System of motor control. 1,518,619; Dec. 9.
 Welch, Raymond F. (See Reina, Joseph J., assignor.)
 Wells, Harrison H., Delanco, N. J. Refrigerating apparatus. 1,518,885; Dec. 9.
 Wells, Herbert J. C., New York, N. Y. Refrigerator control. 1,518,620; Dec. 9.
 Wells, Louise B., et al., trustees. (See McCarthy, Redmond A., assignor.)
 Wenk, Friedrich, Göttingen, Germany, assignor to E. H. Palmer, trustee, Boston, Mass. Supporting wing for flying machines. 1,518,621; Dec. 9.
 Wernlund, Christian J., Totterville, assignor to The Roessler & Hasselbacher Chemical Company, New York, N. Y. Rust-resistant plated article. 1,518,622; Dec. 1.
 Westcott, Glen R., Los Angeles, Calif. Safety zone. 1,518,623; Dec. 9.
 Wessell, George, Brooklyn, N. Y. Egg beater. 1,518,284; Dec. 9.
 Wessell, George, Brooklyn, N. Y. Drive wheel for beaters. 1,518,285; Dec. 9.
 Western Electric Company. (See Goodrum, Charles L., assignor.)
 Western Electric Company. (See Pollakowsky, Lipa, assignor.)
 Western Union Telegraph Company, The. (See Howe, Paul J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Gilson, Christian, assignor.)
 Westmoreland Specialty Company. (See Horn, Gustav A., assignor.)
 Wester, Adolf V., assignor to The Bristol Folding Base Company, Bristol, Conn. Camp chair. 1,519,078; Dec. 9.
 Weston, William S., Dallas, Tex. Anticreaper for railway rails. 1,518,472; Dec. 9.
 Wetzell, Maurice S., Chicago, Ill. Aerial float. 1,518,286; Dec. 9.
 Weymann, Charles T., Paris, France. Road-motor-vehicle body. 1,519,093; Dec. 9.
 Whaler, Herbert T., Miami, Fla. Radiodial. 1,518,473; Dec. 9.
 Wheeling Stamping Company. (See Edwards, Alonzo L., assignor.)
 Whitaker, George, Brownwood, Tex. Combination cotton chopper and cultivator. 1,518,287; Dec. 9.
 White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,518,717; Dec. 9.
 White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,518,718; Dec. 9.
 White, S. S., Dental Manufacturing Company, The. (See Short, Charles, assignor.)
 White-Warner Company, The. (See McGovern, James, assignor.)
 White, William C., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,518,624; Dec. 9.
 White, William C., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,518,625; Dec. 9.
 White, William E., Chicago, Ill. Collapsible chair. 1,518,886; Dec. 9.
 Whitman, Alva C., Cincinnati, Ohio. Capo tasto. 1,518,719; Dec. 9.
 Whiting, Everett H., Santa Rosa, Calif. Automatic safety tractor device. 1,519,079; Dec. 9.
 Whitley, Charles W., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Treatment of copper-lead matte. 1,518,626; Dec. 9.
 Whittingham, Charles H., Birmingham, England. Safe and the like. 1,518,948; Dec. 9.
 Whole Grain Wheat Company. (See Babendree, Albert, assignor.)
 Whyte, John D. (See Ellis, John T., assignor.)
 Wiell, Magnus E. (See Nelson, C. J., and Wiell.)
 Wiemann, Frank C., Cleveland, Ohio. Combined salt and pepper shaker. 1,518,887; Dec. 9.
 Wile, Solomon, Rochester, N. Y. Slicing machine. 1,518,474; Dec. 9.
 Wilkinson, Harry, Methuen, assignor to Saco-Lowell Shops, Boston, Mass. Stop mechanism for twistors and the like. 1,518,720; Dec. 9.
 Williams, Walter R., Newark, N. J. Collar button. 1,518,763; Dec. 9.

Wills, James M., Ottawa, Ontario, Canada. Device for supporting and operating lifting jacks. 1,518,627; Dec. 9.
 Wilson, Anna L. (See Fletcher, Anna L.)
 Wilson, Clarence C., assignor to The Compressed Paper Box Corporation, Bridgeport, Conn. Article-display box. 1,518,764; Dec. 9.
 Winands, Albert, Magdeburg, Germany. Roller plant with one or several front and rear rollers. 1,518,170; Dec. 9.
 Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
 Wine Railway Appliance Company. (See Wine, William E., assignor.)
 Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Car-door device. Re15,962; Dec. 9.
 Wineman, Charles P., assignor to Detroit Twist Drill Company, Detroit, Mich. Machine for straightening drills or the like. 1,518,721; Dec. 9.
 Wineman, Charles P., assignor to Detroit Twist Drill Company, Detroit, Mich. Forming drills. 1,518,722; Dec. 9.
 Winklerhaus, Frederick O., New York, N. Y., assignor to Metropolitan Electric Manufacturing Company. Switch. 1,518,888; Dec. 9.
 Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon blanks of sheet material. 1,518,171; Dec. 9.
 Wirth-Frey, Elias, Aarau, Switzerland. Device for introducing sulphite cellulose liquid into a furnace. 1,518,723; Dec. 9.
 Wohpert, August J. (See Onderdonk, L., and Wohlpert.)
 Woll, Paul E., Philadelphia, Pa. Method and apparatus for treating curled fiber rope. 1,519,094; Dec. 9.
 Wolpert, Meyer, Philadelphia, Pa. Amusement device. 1,518,288; Dec. 9.
 Wood, Clarence G. (See Wood, Frank E. and C. G.)
 Wood, Earl W., Los Angeles, Calif. Paper-handkerchief package. 1,518,628; Dec. 9.
 Wood, Frank E. and C. G., assignors to Girard Model Works, Inc., Girard, Pa. Toy aeroplane. 1,518,765; Dec. 9.
 Wood, Fred H., Fargo, N. Dak. Direction indicator for vehicles. 1,519,080; Dec. 9.
 Wood, Margery P. (See Moore, E. G., and Wood.)
 Wood Shovel and Tool Company, The. (See Brandenburg, Francis C., assignor.)
 Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting cap. 1,518,629; Dec. 9.
 Woodlands Limited. (See Watson, W., and Kent-Jones, assignors.)
 Woods, Thomas S., Fresno, Calif. Life-saving harness. 1,518,830; Dec. 9.
 Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,518,949; Dec. 9.
 Wooster, Lillian D., administratrix. (See Wooster, Phillip L.)
 Wooster, Phillip L., deceased, Manhasset, N. Y.; L. D. Wooster, administratrix. Making material for filtering and decolorizing. 1,518,289; Dec. 9.
 Wooster, Warren W., Berlin, N. J. Puzzle. 1,518,889; Dec. 9.
 Worrell, William H., and R. D. Flunder, assignors to The Web Wheel Company Limited, Letchworth, England. Wheel for motor and other vehicles. 1,518,290; Dec. 9.
 Wright, Walter C., Youngstown, Ohio. Guard for safety catches of automatic pistols. 1,518,831; Dec. 9.
 Wrigley, Henry L., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Hand brake mechanism. 1,518,724; Dec. 9.
 Wulf, George, assignor of one-third to B. F. Jensen and one-third to T. H. Godwin, Extra, Iowa. Baby-chick coop. 1,518,832; Dec. 9.
 Würzler, Jakob. (See Mayer, B., Moser, and Würzler.)
 Yers, William F., Minneapolis, Minn. Burner. 1,518,766; Dec. 9.
 Young, Albert J., Preston, Ontario, Canada, assignor to Morgan & Wright, Detroit, Mich. Engraving machine. 1,518,291; Dec. 9.
 Young, William R. (See Walker, A. C., and Young.)
 Youngblood, David F. (See Crews, John E., assignor.)
 Youngren, Oscar A., New York, and G. Klumpp, Brooklyn, N. Y. Mold for golf tees. 1,518,475; Dec. 9.
 Youngquist, Carl G., New York, N. Y., assignor to R. S. Smart, Ottawa, Canada. Manually-operated means for dispensing mechanism. 1,518,292; Dec. 9.
 Zang, John, Chicago, Ill. Neckband. 1,518,293; Dec. 9.
 Zeppelinwerk Lindau, Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
 Zweiman, James M., Brooklyn, N. Y. Lock. 1,518,950; Dec. 9.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid, Manufacture and production of oxalic. A. Mitsch and O. Balz. 1,518,597; Dec. 9.
 Adding machine. F. Bialik. 1,518,131; Dec. 9.
 Addressing machine, Selective attachment for. E. A. Geiger, A. F. Schraegle, and C. E. Ellis. 1,518,912; Dec. 9.
 Aerial float. M. S. Wotzel. 1,518,286; Dec. 9.
 Aerial propeller. A. and S. A. Harper. 1,518,846; Dec. 9.
 Aeronautical propeller. S. A. Reed. 1,518,410; Dec. 9.
 Agricultural implement. A. I. Conrad. 1,518,774; Dec. 9.
 Agricultural implement. J. Ibarra. 1,518,146; Dec. 9.
 Air-hose equipment. A. C. Walker and W. R. Young. 1,518,881; Dec. 9.
 Air separator. R. H. Kingdon. 1,518,152; Dec. 9.
 Alarm. See—
 Burglar alarm.
 Alcohol, Refining and deodorizing isopropyl. M. D. Mann, Jr. 1,518,339; Dec. 9.
 Alkyl chloride, Making. G. O. Curme, Jr. 1,518,182; Dec. 9.
 Alloy, Aluminum. A. Geyer. 1,518,321; Dec. 9.
 Alloy, Aluminum-nickel. J. M. Schwarz. 1,518,760; Dec. 9.
 Ammonia from its formative gases, Separation of. W. T. Wakeford. 1,518,421; Dec. 9.
 Amplifying system. W. C. White. 1,518,624-5; Dec. 9.
 Amusement device. M. Wolpert. 1,518,288; Dec. 9.
 Amusement device, Electric. F. and W. Prina. 1,518,754; Dec. 9.
 Anchor plate. W. H. Clark. 1,518,482; Dec. 9.
 Anchoring device. A. Dinklage. 1,518,903; Dec. 9.
 Animal clipper. G. N. Raymer. 1,519,050; Dec. 9.
 Animal-feeding device. D. M. Balrd. 1,518,553; Dec. 9.
 Animal intestines, Article made from. E. C. and I. C. Hoover. 1,518,328; Dec. 9.
 Aircraft fire-control apparatus. A. Barr and W. Stroud. 1,519,015; Dec. 9.
 Antirattle. J. C. Pewther. 1,519,046; Dec. 9.
 Antiskid device. C. D. Schmidt. 1,518,877; Dec. 9.
 Antitheft device. L. Kaufold. 1,519,032; Dec. 9.
 Arch support. G. H. Jung, Jr. 1,518,695; Dec. 9.
 Arch support. J. D. Palm. 1,518,217; Dec. 9.
 Asbestos paper, etc. N. Sulzberger. 1,518,944; Dec. 9.
 Auto top. F. D. Gould. 1,518,652; Dec. 9.
 Automobile brake. R. V. Lipe. 1,518,860; Dec. 9.
 Automobile bumper. J. I. Asmer. 1,518,453; Dec. 9.
 Automobile bumper. L. Baumgartl and J. D. Hale. 1,518,381; Dec. 9.
 Automobile bumper bracket. I. A. Sibley, Jr. 1,518,414; Dec. 9.
 Automobile chain hook or fastener. C. H. Godward. 1,518,649; Dec. 9.
 Automobile door handle. W. Schnell. Des. 66,210; Dec. 9.
 Automobile hood-clamping device. R. Huff. 1,518,429; Dec. 9.
 Automobile lock. E. C. Coffman. 1,519,086; Dec. 9.
 Automobile lock. J. N. Kelly. 1,518,159; Dec. 9.
 Automobile radiator cap. J. W. Sealock. Des. 66,211; Dec. 9.
 Automobile radiators, Float gauge for. I. S. Davis. 1,518,838; Dec. 9.
 Automobile radiators, Water gauge for. L. A. Jarvis. Des. 66,195; Dec. 9.
 Axle construction, Rear. V. W. Page. 1,519,043; Dec. 9.
 Axle or shafting guard. P. E. Tarlton. 1,519,072; Dec. 9.
 Baby jumper and amuser. S. Novinsky. 1,518,671; Dec. 9.
 Badge. F. F. Patton. Des. 66,206; Dec. 9.
 Badge for personal wear. R. A. McCarthy. Des. 66,203; Dec. 9.
 Badge or like article. G. W. Mitter. Des. 66,209; Dec. 9.
 Bag fastener. F. A. Fuller. 1,518,140; Dec. 9.
 Bag tie. H. Anderson. 1,518,767; Dec. 9.
 Baling press. W. H. Sallwasser. 1,518,302; Dec. 9.
 Banking instrument for use in utilizing saving deposits as a credit without withdrawal. M. M. Stockton. 1,518,280; Dec. 9.
 Barrel-stave assembling and forming machine. R. J. McHenry. 1,518,993; Dec. 9.
 Basket for fruits and vegetables, Shipping. A. Virag. 1,518,234; Dec. 9.
 Battery. See—
 Dry battery. Electric battery.
 Battery plates, Means for filling. J. E. S. Shepherd. 1,518,226; Dec. 9.

Bearing, Self-lubricating. A. J. Petrie. 1,518,220; Dec. 9.
 Bearings, Cage for roller. E. N. Dickinson. 1,518,731; Dec. 9.
 Beaters, Drive wheel for. G. Wessell. 1,518,285; Dec. 9.
 Bed. E. R. Powell. 1,519,048; Dec. 9.
 Bed, Folding. W. L. Murphy. 1,518,346; Dec. 9.
 Bed, Hospital. A. MacDonald. 1,518,210; Dec. 9.
 Beehive. A. T. Kell. 1,518,934; Dec. 9.
 Bench attachment. M. Thomas. 1,518,709; Dec. 9.
 Bevel wheels by generating movements, Machine for shaping the teeth of. R. C. Barth. 1,518,174; Dec. 9.
 Binder, Loose-leaf. J. Kahn. 1,518,796; Dec. 9.
 Binders, Post for loose-leaf. R. L. Esson. 1,518,976; Dec. 9.
 Bit. See—
 Tool bit.
 Blade tie. C. Gilson. 1,518,913; Dec. 9.
 Blast furnaces, Operating. E. B. Kirby. 1,518,854; Dec. 9.
 Blasting cap. N. I. Steers. 1,518,611; Dec. 9.
 Blasting cap. C. A. Woodbury. 1,518,629; Dec. 9.
 Board. See—
 Game board.
 Boat, High-speed. W. H. Keates. 1,518,263; Dec. 9.
 Boiler. V. Z. Carnicisti. 1,518,899; Dec. 9.
 Boiler plant with one or several front and rear boilers. A. Winands. 1,518,170; Dec. 9.
 Boll-weevil destroyer. H. V. Carmans. 1,518,305; Dec. 9.
 Bolts, keys, etc., Tool for removing. T. G. Smith. 1,519,067; Dec. 9.
 Bomb-dropping sight. R. V. Morse. 1,519,002; Dec. 9.
 Box. See—
 Coal box. Score box.
 Display box.
 Box and toy, Combined. C. A. Hammond-Knowlton. 1,518,981; Dec. 9.
 Box-covering machine. W. L. Kennedy. 1,518,151; Dec. 9.
 Bracket. See—
 Automobile bumper bracket. Window bracket.
 Curtain-rod bracket.
 Bracket. J. Mehrlust. 1,518,745; Dec. 9.
 Brake. See—
 Automobile brake. Vehiele brake.
 Take-up brake.
 Brick-handling machine. F. A. Schroeder and H. R. Smith. 1,518,278; Dec. 9.
 Brickmaking machinery. L. N. Dyhrberg. 1,518,641; Dec. 9.
 Broiler, Automatic meat. H. S. Murray. 1,518,811; Dec. 9.
 Brooder. F. C. Hare. 1,518,694; Dec. 9.
 Brush-making machine. C. E. Fisher. 1,518,844; Dec. 9.
 Bucket attachment, Milk. V. W. Phelan. 1,518,445; Dec. 9.
 Bucket conveyor. F. B. Andrus. 1,518,951; Dec. 9.
 Buckle. L. Poe. 1,518,674; Dec. 9.
 Building structures, Apparatus for. B. Kay. 1,518,149; Dec. 9.
 Bumper. A. A. Elmitsky. 1,518,779; Dec. 9.
 Bumper. F. E. Price. 1,518,753; Dec. 9.
 Burglar alarm. W. M. Greene. 1,518,915; Dec. 9.
 Burner. See—
 Fuel burner. Peat and lignite burner.
 Garbage burner. Stump burner.
 Oil burner.
 Burner. F. V. Risinger. 1,519,056; Dec. 9.
 Burner. W. F. Yers. 1,518,766; Dec. 9.
 Burner-temperature-indicating mechanism. O. C. Trask. 1,518,711; Dec. 9.
 Burners, Controlling device for oil. E. A. Basel. 1,518,298; Dec. 9.
 Burring machine, Rim. J. C. Theberath. 1,518,283; Dec. 9.
 Butt hook. J. R. and R. N. McKamey. 1,518,062; Dec. 9.
 Button. F. R. White. 1,518,717-18; Dec. 9.
 Button, Collar. W. L. Lindsay. 1,518,989; Dec. 9.
 Button, Cuff. J. J. Nelson. 1,518,540; Dec. 9.
 Button or stud. E. F. Clark. 1,518,179; Dec. 9.
 Cable-making machine. E. A. Conner. 1,518,253; Dec. 9.
 Cables, clotheslines, and the like, Holder for. M. O'Day. 1,518,601; Dec. 9.
 Cage, Bird. L. J. Leon. Des. 66,197; Dec. 9.
 Cam shaft. J. Garlick. 1,518,499; Dec. 9.

Cameras, Rising front mechanism for. F. W. Brehm. 1,518,835; Dec. 9.
 Camp chair. A. V. Wester. 1,519,078; Dec. 9.
 Camphor, Making. J. Ebert. 1,518,732; Dec. 9.
 Can opener. C. A. Watson. 1,519,075; Dec. 9.
 Candy-curling machine. W. P. McGraw. 1,518,805; Dec. 9.
 Candy, Making. P. B. Laskey. 1,518,587; Dec. 9.
 Candy-making machines, Rolls for. R. S. Hislop. 1,518,260; Dec. 9.
 Cans, Filling. W. J. Phelps. 1,518,446; Dec. 9.
 Cap, Knitted. A. R. Poole. Des. 66,208; Dec. 9.
 Capo tasto. A. C. Whiteman. 1,518,719; Dec. 9.
 Car coupler. A. J. Razeley. 1,518,242; Dec. 9.
 Car coupler. A. J. Razeley. 1,518,299-300; Dec. 9.
 Car coupler. A. Ramsey. 1,518,874; Dec. 9.
 Car-door device. W. E. Wine. Re15,962; Dec. 9.
 Car pusher. L. Sabo. 1,518,605; Dec. 9.
 Car, Tank. R. R. Weaver. 1,518,471; Dec. 9.
 Carboy. C. Lefkowitz. 1,518,987; Dec. 9.
 Carburetor. G. G. Brown, Jr. 1,518,559; Dec. 9.
 Carburetor. R. Cozette. 1,519,081; Dec. 9.
 Carburetors, Oil spray for. P. Plantinga. 1,518,449; Dec. 9.
 Card, Novelty place. B. M. Hatner. 1,518,834; Dec. 9.
 Cards and card games, Playing. C. V. Kent. 1,518,519; Dec. 9.
 Cards, etc., Holder for show. E. M. Story. 1,518,943; Dec. 9.
 Carrier. See—
 Tire carrier.
 Case. See—
 Compartment case. Vanity case.
 Display and sales case.
 Case-hardening baths, Treatment of. P. W. Shimer. 1,518,607; Dec. 9.
 Casting hollow ware of aluminum. H. Emery. 1,518,190; Dec. 9.
 Casting machine. F. N. Brown, Jr. 1,518,630; Dec. 9.
 Casting, Method of and apparatus for. E. D. Ekstedt. 1,518,188; Dec. 9.
 Casting stone. L. G. Copeman. 1,518,254; Dec. 9.
 Castings, Making patterns for. A. R. Braden. 1,518,133; Dec. 9.
 Catalysts, Production of active metallic. E. J. Lush. 1,519,035; Dec. 9.
 Catalyzer and making same. C. Ellis and H. M. Weber. 1,519,088; Dec. 9.
 Cattle guard. H. F. Carden. 1,518,772; Dec. 9.
 Cellulose-ether composition. R. L. Stinchfield. 1,518,417; Dec. 9.
 Chain and truck guide. L. E. Hurst. 1,518,431; Dec. 9.
 Chain fastener. R. E. Downton. 1,518,491; Dec. 9.
 Chain-repair tool. V. A. Fischer. 1,518,908; Dec. 9.
 Chair. See—
 Camp chair. Rail chair.
 Collapsible chair.
 Chair-leg cushion. A. B. Campbell. 1,518,771; Dec. 9.
 Chance device. H. J. Foley. T. Dilloway, and R. D. Batchelder. 1,518,845; Dec. 9.
 Check holder and punch. F. W. Schooley. 1,518,458; Dec. 9.
 Check protector and blotter, Combined. I. Tornberg. 1,518,614; Dec. 9.
 Chick coop, Baby. G. Wulf. 1,518,832; Dec. 9.
 Choker controller. A. H. Delsner. 1,519,022; Dec. 9.
 Choline compound having laxative properties. J. Callen. 1,518,689; Dec. 9.
 Chucks, Coupling for air. H. P. Kraft. 1,519,096; Dec. 9.
 Cigar-box attachment. A. W. Rayner. 1,519,051; Dec. 9.
 Cigar holder. G. D. Martin. 1,518,663; Dec. 9.
 Cigar lighter and inkstand, Combined. S. E. Guinn. Des. 66,184; Dec. 9.
 Cigarette. C. S. Evans. 1,518,843; Dec. 9.
 Cigarette holders, Stub extractor for. R. A. Crosby. 1,519,020; Dec. 9.
 Cigarette-package filler. E. G. Moore and M. P. Wood. 1,519,000; Dec. 9.
 Circuits, Selective. L. Espenschied. 1,518,495; Dec. 9.
 Clamp. See—
 Hose-winder clamp. Test clamp.
 Clip. See—
 Splicing clip.
 Clocks, Striking mechanism for electric. M. P. Favre-Bulle. 1,518,317; Dec. 9.
 Closure-cap anchor. J. D. Van Pelt. 1,518,467; Dec. 9.
 Clothesline fastener. A. Kubik. 1,518,523; Dec. 9.
 Clothesline holder. A. G. Oster. 1,518,546; Dec. 9.
 Clothes peg. A. Holmes and G. Mearns. 1,518,849; Dec. 9.
 Clothes wringers, Safety device for. L. S. Gunderman. 1,518,919; Dec. 9.
 Clutch, Friction. A. Rosner. 1,518,604; Dec. 9.
 Clutch pedals, Hand control means for. C. H. Rossman. 1,518,359; Dec. 9.
 Coal box, Household. J. J. Landers. 1,518,525; Dec. 9.
 Coils for armatures, Machine for winding loose. C. M. McCord. 1,518,209; Dec. 9.
 Coin mechanism. W. N. McClellan. 1,518,208; Dec. 9.
 Coking liquefiable bituminous materials, Apparatus for. F. Puening. 1,518,450; Dec. 9.
 Colander. C. Eckert. 1,518,972; Dec. 9.
 Collapsible chair. W. E. White. 1,518,886; Dec. 9.
 Collar button. W. B. Williams. 1,518,763; Dec. 9.

Comb. R. T. Cameron. 1,518,388; Dec. 9.
 Combustion control. L. J. Hess and M. G. Benjamin. 1,518,924; Dec. 9.
 Compartment case. E. H. Farr. 1,518,907; Dec. 9.
 Compass, Gyroscopic. H. L. Tanner. 1,518,762; Dec. 9.
 Computing machine. G. M. Bacon. 1,518,172-3; Dec. 9.
 Concrete blocks, tiles, and the like, Surfacing. J. H. Edie. 1,518,398; Dec. 9.
 Concrete forms, Tie member for. K. Backlund. 1,518,955; Dec. 9.
 Condenser. J. M. Cage. 1,518,688; Dec. 9.
 Confection and making same. C. R. Griffith. 1,518,737; Dec. 9.
 Connector. R. Eckstein. 1,518,733; Dec. 9.
 Container. J. H. Gravel. 1,518,194; Dec. 9.
 Container. E. W. Kirby. 1,518,433; Dec. 9.
 Containers, Handle for sheet-metal. W. G. Coote. 1,518,635; Dec. 9.
 Conveyor flight. L. E. Hurst and J. F. Miller. 1,518,430; Dec. 9.
 Conveyor pipe. P. H. Raun. 1,518,705; Dec. 9.
 Conveying apparatus. A. H. Brunner. 1,518,898; Dec. 9.
 Cooking apparatus. F. C. Kramer. 1,518,206; Dec. 9.
 Cooling device. F. M. Sayford. 1,518,277; Dec. 9.
 Copper from ores thereof, Recovery of. E. B. Thornhill and H. G. S. Anderson. 1,518,828-9; Dec. 9.
 Copper-lead matte, Treatment of. C. W. Whitley. 1,518,626; Dec. 9.
 Cord connector. F. C. De Reamer. 1,518,639; Dec. 9.
 Corner gauge. P. J. Howe. 1,519,082; Dec. 9.
 Cot, Folding. A. T. H. Brower. 1,518,386; Dec. 9.
 Cotter-pin extractor. J. G. Warrington. 1,518,169; Dec. 9.
 Cotton chopper and cultivator, Combination. G. Whitaker. 1,518,287; Dec. 9.
 Cotton fabrics, Producing woodlike effects upon. H. I. Huey. 1,518,931; Dec. 9.
 Cotton picker. M. A. Ball. 1,518,296; Dec. 9.
 Coupling. See—
 Hose coupling. Pump coupling.
 Pipe coupling.
 Cowl ventilator. W. N. Davis. 1,518,312; Dec. 9.
 Cracking apparatus. E. C. Blasdel. 1,518,555; Dec. 9.
 Crank shafts, Making. C. Steenstrup. 1,518,610; Dec. 9.
 Crimp protector. A. Ehrhardt. 1,518,975; Dec. 9.
 Crochet hook and holder. S. H. Burns. 1,518,961; Dec. 9.
 Crossing signal. W. C. Neahr. 1,518,530; Dec. 9.
 Crucible, Graphite. E. Rietz. 1,518,818; Dec. 9.
 Crutch or like article. E. C. Beecroft. 1,518,382; Dec. 9.
 Cuff, Reversible. J. I. McDonald. 1,518,803; Dec. 9.
 Cultivators, Adjustable fender for. M. A. Hollertz. 1,518,928; Dec. 9.
 Cup. See—
 Oil cup.
 Cup feed machines, Differential feeding mechanism for. J. R. Moffat. 1,518,536; Dec. 9.
 Cup feed machines, Feeding mechanism for. L. Onder donk and A. J. Wohlport. 1,518,545; Dec. 9.
 Curling iron, Electric. H. Osterman. 1,518,442; Dec. 9.
 Curtain fixture. J. H. Boye. 1,518,245; Dec. 9.
 Curtain holder and protector. M. J. Smith. 1,518,824; Dec. 9.
 Curtain ring. D. M. Sarkisian. 1,518,363; Dec. 9.
 Curtain-rod bracket. J. A. Clavis. 1,518,963; Dec. 9.
 Curtain stretcher. P. C. Holmquist. 1,518,203; Dec. 9.
 Cushion. See—
 Chair-leg cushion.
 Cut-off, Automatic. C. E. Smith. 1,518,461; Dec. 9.
 Cutter. See—
 Key cutter. Paper cutter.
 Cutter heads and the like, Centering and holding means for. E. H. Waugh. 1,518,716; Dec. 9.
 Cutting machines, Cylinder-drum mechanism for. P. S. Mitts. 1,518,213; Dec. 9.
 Date printer. F. W. Bernau. 1,518,478; Dec. 9.
 Density control for thickeners, Automatic. J. V. N. Dorr. 1,518,136; Dec. 9.
 Dental cream container. R. D. Sidenor. 1,519,065; Dec. 9.
 Dental tool. C. A. Stock. 1,518,825; Dec. 9.
 Dewatering or filtering activated sludge and producing fertilizer. W. L. D'Olier. 1,518,256; Dec. 9.
 Dipper, Milk. P. V. O'Hara. 1,518,160; Dec. 9.
 Directory, Information. J. W. Silver. 1,518,761; Dec. 9.
 Dish and dish-cover rack. A. Onody. 1,518,216; Dec. 9.
 Dispensing mechanism, Manually-operated means for. C. G. Youngquist. 1,518,292; Dec. 9.
 Display and sales case. J. M. Waddell. 1,518,235; Dec. 9.
 Dispensing apparatus. H. D. Hamilton and C. B. Tibbets. 1,518,195; Dec. 9.
 Display box. H. A. Peter. 1,518,219; Dec. 9.
 Display box, Article. C. C. Wilson. 1,518,764; Dec. 9.
 Display rack. M. Kamenstein. 1,518,148; Dec. 9.
 Dishwasher. F. B. Cooley. 1,518,484; Dec. 9.
 Doll and other figure or statuette, Talking or singing. C. E. Richardson. 1,518,165; Dec. 9.
 Door holder. M. H. Faubert. 1,518,043; Dec. 9.
 Door lock. H. W. Dyer. 1,518,187; Dec. 9.
 Door lock. H. W. Dyer. 1,518,574; Dec. 9.
 Door lock. S. Edelson. Des. 66,180-1; Dec. 9.
 Door stop and catch. M. A. Garrity. 1,518,911; Dec. 9.
 Dough mixer. F. Strelch. 1,518,418; Dec. 9.

Draft equalizer. H. Strempel. 1,518,880; Dec. 9.
 Draft rigging. G. L. Harvey. Re15,961; Dec. 9.
 Draft rigging. F. H. Raaz. 1,518,452; Dec. 9.
 Drag, Road. C. Glee. 1,518,735; Dec. 9.
 Dress folder. R. Cahn. 1,518,304; Dec. 9.
 Drier. See—
 Web drier.
 Drier. G. H. Damon. 1,518,966; Dec. 9.
 Drill. See—
 Mine drill. Stopping drill.
 Drill. M. E. Thomas. 1,518,370; Dec. 9.
 Drill press and tapping machine. O. H. Lee. 1,518,408; Dec. 9.
 Drill stems, Safety clutch for. D. K. Cason, Jr. 1,518,634; Dec. 9.
 Drilling machine. J. M. Nelson, T. C. Moritz, and W. Dilley. 1,518,347; Dec. 9.
 Drills, Forming. C. P. Wineman. 1,518,722; Dec. 9.
 Drills or the like, Machine for straightening. C. P. Wineman. 1,518,721; Dec. 9.
 Dry battery. H. C. Benner and H. F. French. 1,518,301; Dec. 9.
 Dry cell. H. de Olaneta. 1,518,637-8; Dec. 9.
 Drying machine. G. W. Hedstrom. 1,518,791; Dec. 9.
 Drying room. E. E. Perkins. 1,518,762; Dec. 9.
 Dumping platform. M. A. Erickson. 1,518,780; Dec. 9.
 Duplicating apparatus. A. Bessat and L. L. Liévens. 1,518,959; Dec. 9.
 Dye for wool of the safranin series, New. W. Herzberg and O. Scharfberg. 1,518,847; Dec. 9.
 Dyed fabrics, Producing. E. Kirschenbaum. 1,518,585; Dec. 9.
 Dye stuff derived from anthraquinone and making same. Val. B. Mayer, W. Moser, and J. Würgler. 1,518,665; Dec. 9.
 Dye stuffs, Manufacture of new vat. R. Tobler. 1,518,710; Dec. 9.
 Earth drilling, Universal rotary equipment for. F. W. Hill. 1,518,325; Dec. 9.
 Easel. D. Levigton. Des. 66,198; Dec. 9.
 Egg beater. G. Wessell. 1,518,284; Dec. 9.
 Egg turner. L. N. Snow. 1,519,068; Dec. 9.
 Eggs of birds, Apparatus for hatching the. W. G. Perks. 1,518,351; Dec. 9.
 Elastic fabric. T. F. Kendrick. 1,518,798; Dec. 9.
 Electric battery. S. B. Pack. 1,518,814; Dec. 9.
 Electric connector. J. S. Jones. 1,518,795; Dec. 9.
 Electric-fixture hanger. A. F. Anderson and C. C. Hayes. 1,518,768; Dec. 9.
 Electric meter. A. J. Kloneck. 1,518,332; Dec. 9.
 Electric motor with squirrel-cage rotor. A. Arutunoff. 1,518,952; Dec. 9.
 Electric switch. B. A. Benson. 1,518,957; Dec. 9.
 Electric switch. H. T. Palste. 1,519,044; Dec. 9.
 Electric switch. P. Russell. 1,519,059; Dec. 9.
 Electric switch. A. W. Schramm. 1,519,061; Dec. 9.
 Electrical connector device. A. P. Lelnen. 1,518,436; Dec. 9.
 Electrical measuring apparatus. H. Nyquist. 1,518,543; Dec. 9.
 Electricity meter, Induction. J. Harris. 1,518,196; Dec. 9.
 Electrode-cooling construction. H. M. St. John. 1,518,416; Dec. 9.
 Electromagnet, Alternating-current. H. M. Stevens. 1,518,612; Dec. 9.
 Elevator safety device. N. S. Dickinson. 1,518,902; Dec. 9.
 Elevator safety lock. W. E. Day. 1,518,313; Dec. 9.
 Embossing mechanism. W. J. Pannier, Jr. 1,519,005; Dec. 9.
 Embroidered textile fabric. A. Lapatin. Des. 66,196; Dec. 9.
 Engine. See—
 Internal-combustion en- Rotary engine.
 gine. Steam engine.
 Engine. P. A. Pearce. 1,518,673; Dec. 9.
 Engine and operating connections therefor, Rotating. W. C. Nicholson. 1,518,348; Dec. 9.
 Engine power-increasing device. A. H. McMaster. 1,518,334; Dec. 9.
 Engines, Attachment for internal-combustion. C. J. McNerny. 1,518,995; Dec. 9.
 Engines, Carburation control for internal-combustion. W. E. Shore. 1,519,012; Dec. 9.
 Engines, Hydrocarbon washer for gas. D. B. Gish. 1,518,980; Dec. 9.
 Engines, Radiator for internal-combustion. W. J. Drucker. 1,518,777; Dec. 9.
 Engines, Vaporizing device for internal-combustion. C. Sipula. 1,519,013; Dec. 9.
 Engraving machine. A. J. Young. 1,518,291; Dec. 9.
 Envelope and letter sheet, Combined. E. L. Dalley. 1,518,183; Dec. 9.
 Envelope-sealing machine. A. J. Kelsner. 1,518,330; Dec. 9.
 Excavating apparatus. D. Spees. 1,518,463; Dec. 9.
 Excavating mechanism. J. C. Reid, Jr. 1,518,757; Dec. 9.
 Excavator scoop and carrier therefor. R. R. Downie. 1,518,314; Dec. 9.
 Exercising apparatus. H. M. Ruden. 1,518,361; Dec. 9.
 Extractor. See—
 Cotter-pin extractor.

Eye protector. W. H. Bontelle. 1,518,385; Dec. 9.
 Eye protector. W. G. King. 1,518,407; Dec. 9.
 Fabric. See—
 Elastic fabric.
 Fan, Centrifugal. A. F. Roth. 1,518,455; Dec. 9.
 Faucet. G. W. Cooke. 1,518,307; Dec. 9.
 Faucet. H. G. Cordley and G. R. Long. 1,518,775; Dec. 9.
 Faucet. S. H. Speyer. 1,518,367; Dec. 9.
 Feeding apparatus, Stock. L. R. Maryott. 1,518,664; Dec. 9.
 Fertilizer. A. H. Cowles. 1,518,565-71; Dec. 9.
 Film, Laminated cellulose ether-cellulose ester. J. M. Donohue. 1,518,396; Dec. 9.
 Filaments to fabrics, Machine for applying reinforcing. C. H. Howard. 1,518,513; Dec. 9.
 Filaments to fabrics, Machine for applying reinforcing. C. H. Howard and L. Sharp. 1,518,512; Dec. 9.
 Filtering and decolorizing, Making material for. P. L. Wooster. 1,518,289; Dec. 9.
 Fire-control apparatus, determination of quadrant of enemy's course. A. Barr and W. Stroud. 1,518,477; Dec. 9.
 Fire escape. A. L. Fletcher. 1,518,318; Dec. 9.
 Fire-sprinkler system and the like. R. Clark. 1,518,964; Dec. 9.
 Firearm, Automatic. A. Furrer. 1,518,498; Dec. 9.
 Firearms, Device for moderating the speed of discharge for automatic. J. F. J. Reibel. 1,518,355; Dec. 9.
 Fishhook. W. J. Sharp. 1,518,166; Dec. 9.
 Fishline float. O. Haserodt. 1,518,424; Dec. 9.
 Fishline float, Electrical. O. Haserodt. 1,518,425; Dec. 9.
 Fish scaler. M. L. Munson. 1,518,538; Dec. 9.
 Fishing lure. I. Hennings. 1,518,199; Dec. 9.
 Fishing-rod handle. J. B. Kountz. 1,518,205; Dec. 9.
 Flap-making machine. A. O. Abbott, Jr. 1,518,237; Dec. 9.
 Flexible joint. J. K. Pierce. 1,519,047; Dec. 9.
 Floor openings, Covering for. V. Dahl. Des. 66,179; Dec. 9.
 Floor or ceiling plate. H. S. Powell. 1,518,816; Dec. 9.
 Flooring or wainscoting, Preparing parquet. H. W. Romanoff. 1,518,820; Dec. 9.
 Flour for baking bread and method of making, Improver for. W. Watson and D. W. Kent-Jones. 1,519,014; Dec. 9.
 Flour-packing machine. H. O. Harding. 1,518,921; Dec. 9.
 Flower, Manufactured. C. C. Foldessy. 1,518,909; Dec. 9.
 Fluid-actuated mechanism. J. C. Hanna. 1,518,788; Dec. 9.
 Fluid meter. C. H. Smoot. 1,518,279; Dec. 9.
 Fluid-transmission device. W. E. Kay. 1,518,797; Dec. 9.
 Fluorides, Producing. A. Pacz. 1,518,872; Dec. 9.
 Flush tank. L. Lissou. 1,518,990; Dec. 9.
 Flush tank. S. E. Nolop. 1,518,699; Dec. 9.
 Flushing device. L. E. MacBryde. 1,518,593; Dec. 9.
 Flying-boat's hull. C. Dornier. 1,518,640; Dec. 9.
 Flying machine. G. W. Cowgill. 1,518,485; Dec. 9.
 Flying machines, Supporting wing for. F. Wenk. 1,518,621; Dec. 9.
 Flytrap. M. Mitchko. 1,518,535; Dec. 9.
 Foods, Apparatus for treating. A. Babendrer. 1,518,552; Dec. 9.
 Football. G. L. Pierce. 1,518,448; Dec. 9.
 Frame. See—
 Index frame.
 Fruit, Drying. C. C. Moore. 1,518,537; Dec. 9.
 Fuel burner, Pulverous. E. Schott and W. Haug. 1,518,223; Dec. 9.
 Fur-shearing machine. C. R. and R. C. Mischke. 1,518,596; Dec. 9.
 Furnace. See—
 Heating furnace. Smelting furnace.
 Furnace. W. M. Duncan. 1,518,397; Dec. 9.
 Furnace construction. C. N. Morgan and A. L. Keeler. 1,518,270; Dec. 9.
 Furnaces, Charging device for shaft. H. Luyken. 1,518,743; Dec. 9.
 Furnaces, Operating blast. S. B. Sheldon. 1,518,459; Dec. 9.
 Fuse, Tracer. H. M. Brayton. 1,518,247; Dec. 9.
 Game. J. Cheiko. 1,518,178; Dec. 9.
 Game. H. Clegg. 1,518,306; Dec. 9.
 Game apparatus. A. H. Dickinson. 1,518,967; Dec. 9.
 Game appliance. L. V. Barach. 1,518,130; Dec. 9.
 Game board. L. A. Marsh. 1,518,340; Dec. 9.
 Game, Mechanical, football. C. L. Rich. 1,518,817; Dec. 9.
 Garbage burner. D. Herlihy. 1,518,200; Dec. 9.
 Garment accessory. J. Miller. 1,518,998; Dec. 9.
 Garment press. J. C. Ledbetter. 1,519,092; Dec. 9.
 Gas absorption apparatus. M. Mauran. 1,518,595; Dec. 9.
 Gas burners, Making. G. F. Reznor. 1,519,010; Dec. 9.
 Gas heater. S. P. Enright. 1,518,577; Dec. 9.
 Gas heater. F. S. Livingston. Des. 66,199-201; Dec. 9.
 Gases, Art and apparatus for separating liquid. W. B. Dodds. 1,518,255; Dec. 9.
 Gases, Method and apparatus for separating liquid. R. Vullieu Mier. 1,518,377; Dec. 9.

Gasoline system, Automobile. M. W. Edwards. 1,518,906; Dec. 9.
 Gasoline tank. J. E. Bland. 1,518,686; Dec. 9.
 Gate. E. A. and M. B. Crawford. 1,518,309; Dec. 9.
 Gauge: See—
 Corner gauge. Scriber gauge.
 Liquid-level gauge.
 Gear, Draft. H. F. Carry. 1,518,389; Dec. 9.
 Gear teeth, Finishing. R. C. Allen. 1,518,679; Dec. 9.
 Gear-tooth-rounding machine. P. S. Arnold. 1,518,239; Dec. 9.
 Gears, Mounting of engine. F. H. Royce. 1,518,360; Dec. 9.
 Girth, Reinforcing. J. W. Leslie. 1,518,437; Dec. 9.
 Glass and compositions to be used therein, Frosting. C. C. Minter. 1,518,807; Dec. 9.
 Glass, Drawing. R. L. Frink. 1,518,734; Dec. 9.
 Glassware, Cooling transfer device for. W. H. Johnson. 1,518,852; Dec. 9.
 Glassware, Decorating. G. A. Horn. 1,518,930; Dec. 9.
 Golf club. R. W. Ellingham. 1,518,316; Dec. 9.
 Golf clubs, Indicator for. M. B. Reach. 1,519,052; Dec. 9.
 Golf tees, Mold for. O. A. Youngren and G. Klumpp. 1,518,475; Dec. 9.
 Governor. C. H. Horn and C. W. Fleischauer. 1,519,030; Dec. 9.
 Graders, Steering mechanism, for road. F. E. Arndt. 1,518,681; Dec. 9.
 Graft, Walnut. P. Rober. 1,518,603; Dec. 9.
 Grate, Furnace. W. Schellenberg. 1,518,304; Dec. 9.
 Grate, Traveling. F. B. Forrest. 1,518,783; Dec. 9.
 Gravity separator. W. L. R. Emmet. 1,518,642; Dec. 9.
 Grids, Overflow pan for. J. S. Brennan. 1,518,728; Dec. 9.
 Grinder for reducing wood or other fiber to pulp. O. W. Greene. 1,518,422; Dec. 9.
 Guide. W. K. Johnson. 1,518,659; Dec. 9.
 Gun-elevating mechanism. B. P. Joyce. 1,518,262; Dec. 9.
 Guns, Fire control of. J. B. Walker and A. R. Bond. 1,518,882; Dec. 9.
 Gyrocompass. J. B. Henderson. 1,518,740; Dec. 9.
 Gyropendulum, Self-damping. M. F. Bates. 1,518,892; Dec. 9.
 Hairbrush. I. W. P. Buchanan. 1,518,489; Dec. 9.
 Hair-waving apparatus, Adjustable stand for. L. B. Simonson. 1,518,227; Dec. 9.
 Hammer. G. T. Snyder. 1,519,069; Dec. 9.
 Hammer, Body-gauging. C. J. Nelson and M. E. Widell. 1,518,868; Dec. 9.
 Hammer, Electric. L. Paulero. 1,518,273; Dec. 9.
 Hammer, Spring. A. T. Prescott. 1,518,549; Dec. 9.
 Hand brake mechanism. H. I. Wrigley. 1,518,724; Dec. 9.
 Handhoie plug. J. H. Hoffman. 1,518,326; Dec. 9.
 Handsaw, Bevel and square, Combined. E. C. Forrest. 1,518,977; Dec. 9.
 Hand tool. G. O. Carlson. 1,518,251; Dec. 9.
 Handle: See—
 Fishing-rod handle. Tool handle.
 Hanger: See—
 Electric-fixture hanger. Shade hanger.
 Harmonica. G. B. Dushnerre. 1,518,257; Dec. 9.
 Harvester attachment. P. Orth. 1,518,813; Dec. 9.
 Hat, Ventilated. G. A. Birdsall. 1,518,132; Dec. 9.
 Hat, Ventilated. A. Solomon. 1,518,941; Dec. 9.
 Headlight for bicycles, magnet-c drive. F. Evans. 1,518,399; Dec. 9.
 Headlight lenses, Tool for removing. F. G. Dunorth. 1,518,905; Dec. 9.
 Headlight-operating mechanism. A. Stasak. 1,518,229; Dec. 9.
 Headlight, Safety. T. Parker, J. C. Lawrence, and F. G. Dunn. 1,518,350; Dec. 9.
 Heat-absorbing device. H. P. Gage. 1,518,141; Dec. 9.
 Heat exchanger. G. H. Gibson. 1,518,785; Dec. 9.
 Heater: See—
 Gas heater. Water heater.
 Heating furnace. W. H. Hazard. 1,518,323; Dec. 9.
 Heel, Shoe. F. Redmann. 1,518,875; Dec. 9.
 Highway safety device. S. Varnell and J. L. Harris. 1,518,616; Dec. 9.
 Holder. J. L. Herling. 1,518,554; Dec. 9.
 Hook: See—
 Butt hook. Screw hook.
 Horseshoe. W. J. Twiss. 1,518,372; Dec. 9.
 Hose coupling. H. Brewer. 1,518,479; Dec. 9.
 Hose coupling. J. P. Eastman. 1,518,778; Dec. 9.
 Hose-winder clamp. A. Boudreau. 1,519,018; Dec. 9.
 Hospitals, Cooling room for. T. Parkinson. 1,518,162; Dec. 9.
 Hydraulic conveyor. H. T. Libby. 1,518,528; Dec. 9.
 Hydrocarbon motor. E. M. G. Lepere. 1,518,800; Dec. 9.
 Hydrocarbon motor. L. M. Woolson. 1,518,949; Dec. 9.
 Ignition-system lock. H. Essert. 1,518,496; Dec. 9.
 Illuminated indicator device. E. Smith. 1,518,708; Dec. 9.
 Index frame. J. H. Rand. 1,518,354; Dec. 9.
 Indicator. W. R. Griswold. 1,518,786; Dec. 9.
 Inductance or tuner. L. A. Morrison. 1,518,810; Dec. 9.
 Ink and dispensing means therefor, Soluble. B. B. Goldsmith. 1,518,504; Dec. 9.

Ink capsule. B. B. Goldsmith. 1,518,503; Dec. 9.
 Ink receptacle. C. W. Hahn. 1,518,738; Dec. 9.
 Ink-roller attachment. G. H. Land. 1,518,159; Dec. 9.
 Inking pad. H. J. Rapley and L. W. Kendrick. 1,518,756; Dec. 9.
 Insole for shoes, Removable. J. J. Reina. 1,519,009; Dec. 9.
 Intake-manifold shield. M. B. Nash. 1,518,669; Dec. 9.
 Internal-combustion engine. R. Krutina. 1,518,799; Dec. 9.
 Internal-combustion engine. C. W. Virden. 1,518,468; Dec. 9.
 Internal-combustion engine, Two-stroke-cycle valveless. J. Hyvernaud. 1,518,983; Dec. 9.
 Interrupter mechanism. W. W. Hawkins. 1,518,789; Dec. 9.
 Iron: See—
 Curling iron. Soldering iron.
 Iron and steel constructions, Manufacturing highly-strainable. K. Daeges and B. Weissenberg. 1,518,730; Dec. 9.
 Jack: See—
 Pump jack. Screw jack.
 Jacks, Device for supporting and operating lifting. J. M. Willis. 1,518,627; Dec. 9.
 Jacks, Foot pedal lift for vehicle. J. G. Nolen. 1,518,600; Dec. 9.
 Jarring machine. D. C. Coble. Re15,959; Dec. 9.
 Joint: See—
 Flexible joint. Rail joint.
 Pipe joint. Sucker-rod joint.
 Kaleidoscope. A. S. Husted. 1,518,204; Dec. 9.
 Key cutter. F. Wankel. 1,518,469; Dec. 9.
 Kiln, Lumber dry. P. T. Jones and E. R. Taylor. 1,518,516; Dec. 9.
 Knife switch. B. E. Getchell. 1,519,089; Dec. 9.
 Knitting machine. W. C. Adams. 1,518,378; Dec. 9.
 Labels to bottles, Machine for applying printed. A. L. Flower. 1,519,026; Dec. 9.
 Ladder. J. J. Byberg. 1,518,303; Dec. 9.
 Ladder attachment. A. M. Fairfield. 1,519,025; Dec. 9.
 Lamp. G. L. Hall. 1,518,787; Dec. 9.
 Lamp, Electric. C. Lipper. 1,518,530; Dec. 9.
 Lantern, Signal. W. J. Denning. 1,518,185; Dec. 9.
 Last. H. F. Loewer. 1,518,158; Dec. 9.
 Last. H. F. Loewer. 1,518,266; Dec. 9.
 Latch for motor vehicles, Clutch-pedal. E. L. Stephens. 1,518,464; Dec. 9.
 Latch, Gate. T. O. Thovson, E. Bray, and C. S. and O. Brager. 1,519,073; Dec. 9.
 Latch lock. F. Soley. 1,519,070; Dec. 9.
 Lath, Metallic. M. E. Chamberlain. 1,518,391; Dec. 9.
 Lath, Automatic turret. O. Pawlowski. 1,518,163; Dec. 9.
 Lathes, Turret attachment for. A. J. Libert. 1,518,156; Dec. 9.
 Laundering machines, Towel-separating mechanism for. W. W. Trinks and B. W. Tucker. 1,518,615; Dec. 9.
 Leaching apparatus. W. Raabe. 1,518,703; Dec. 9.
 Lens cap, Broken. H. C. Busch. 1,518,175; Dec. 9.
 Lens-grinding machine. G. S. Day. 1,518,394; Dec. 9.
 Lens-grinding machinery. H. W. Hill and H. H. Styl. 1,518,406; Dec. 9.
 Lens-measuring instruments, Prism attachment for. B. P. Currier. 1,518,393; Dec. 9.
 Lens, Ophthalmic. A. E. Glancy. 1,518,405; Dec. 9.
 Life-saving harness. T. S. Woods. 1,518,830; Dec. 9.
 Light projector. S. L. Leiby. 1,518,155; Dec. 9.
 Light-sensitive composition. G. W. Miles. 1,518,997; Dec. 9.
 Lighting fixture. W. Jaeger. Des. 66,191-4; Dec. 9.
 Lighting fixture. A. R. Locke. 1,518,265; Dec. 9.
 Lighting-fixture arm. H. Aglow. Des. 66,174; Dec. 9.
 Lighting fixture, Ceiling-type. W. Jaeger. Des. 66,187-8; Dec. 9.
 Lighting fixture, Flinal for. G. E. Villaret. Des. 66,218-19; Dec. 9.
 Lighting fixture, Flush wall-type. W. Jaeger. Des. 66,190; Dec. 9.
 Lighting-fixture part. H. Aglow. Des. 66,173; Dec. 9.
 Lighting fixture, Wall drop-type. W. Jaeger. Des. 66,189; Dec. 9.
 Lighting fixtures, Chain pendant for. W. Jaeger. Des. 66,186; Dec. 9.
 Line holder. G. C. Hume. 1,518,850; Dec. 9.
 Liquid-dispensing device. W. D. Root. 1,518,275; Dec. 9.
 Liquid-level gauge. C. Knobloch. 1,518,435; Dec. 9.
 Liquids into a mist, Apparatus for transforming. E. Garda. 1,519,027; Dec. 9.
 Loading apparatus. A. W. Carroll. 1,518,560; Dec. 9.
 Loading boom. A. J. Sayers. 1,518,759; Dec. 9.
 Lock: See—
 Automobile lock. Latch lock.
 Door lock. Nut lock.
 Elevator safety lock. Safety lock.
 Ignition-system lock.
 Lock. L. G. Curtis. 1,518,692; Dec. 9.
 Lock. L. A. Dexter. 1,518,395; Dec. 9.
 Lock. R. M. Maunders. 1,518,996; Dec. 9.
 Lock. J. M. Zweiman. 1,518,950; Dec. 9.
 Lock and latch, Combined. C. W. Roddy. 1,518,819; Dec. 9.
 Lock washer. H. F. Carden. 1,518,773; Dec. 9.
 Lock washer. S. B. Smith. 1,519,006; Dec. 9.

Locomotive equalizer. W. W. Sloane. 1,518,228; Dec. 9.
 Locomotives, Electrical system for. S. W. Farnham. 1,518,137; Dec. 9.
 Loom. E. M. de Neergaard. 1,519,023; Dec. 9.
 Looms, Feeler mechanism for. E. S. Stimpson. 1,518,230; Dec. 9.
 Looms, Feeler mechanism for. M. L. Stone. 1,518,231; Dec. 9.
 Looms, Let-off mechanism for. E. Barber. 1,518,379; Dec. 9.
 Loose material, Apparatus for handling. C. E. Davis. 1,518,184; Dec. 9.
 Magnetic motor. C. C. Powers. 1,518,164; Dec. 9.
 Magneto. S. C. McKeown. 1,518,591; Dec. 9.
 Magnetos, Circuit breaker for ignition. S. C. McKeown. 1,518,590; Dec. 9.
 Mail-bag catching and delivering apparatus. P. H. Glass. 1,518,648; Dec. 9.
 Match-dispensing receptacle. H. Kantor. 1,518,933; Dec. 9.
 Material gathering and loading machine. A. Marsilio. 1,518,267; Dec. 9.
 Matrix-clamping and mold-adjusting mechanism, Automatic. F. W. Letsch. 1,518,858; Dec. 9.
 Meal and oil, Treating organic materials to produce. S. Miller. 1,518,926; Dec. 9.
 Measuring device. H. G. Cordley and G. R. Long. 1,518,991; Dec. 9.
 Medicated combustible. J. E. Rew. 1,519,053; Dec. 9.
 Metal, Method of and apparatus for refining molten. H. Harris. Re15,960; Dec. 9.
 Metal strips, Device for forming eyes on. G. N. Hammond. 1,518,654; Dec. 9.
 Metals, Chloridizing volatilization of. S. J. Vermaes and L. J. van Lijnden. 1,518,376; Dec. 9.
 Metals from their chloride vapors, Obtaining. S. J. Vermaes and L. J. van Lijnden. 1,518,375; Dec. 9.
 Metals, Melting. W. Rohm. 1,519,058; Dec. 9.
 Meter: See—
 Electric meter. Fluid meter.
 Electricity meter.
 Milk-boiling vessel. E. Gérard-Festenburg. 1,518,142; Dec. 9.
 Milking machine. L. P. Sharples. 1,518,225; Dec. 9.
 Mill: See—
 Rolling mill.
 Milling machine. J. J. La Duer. 1,518,153-4; Dec. 9.
 Mine drill. J. W. Campbell. 1,518,250; Dec. 9.
 Mining apparatus. N. D. Levin. 1,518,333; Dec. 9.
 Mining machine. E. C. Morgan. 1,518,809; Dec. 9.
 Mirror and glare screen, Combined rear-view. A. B. Beltman. 1,518,956; Dec. 9.
 Mixer: See—
 Dough mixer.
 Moisture injector. K. V. Nilson. 1,518,698; Dec. 9.
 Mold. A. W. E. Hellyer. 1,518,581; Dec. 9.
 Molding articles from plastic material, Machine for. N. St. Peter. 1,518,282; Dec. 9.
 Molding machine, Foundry. P. Pritchard. 1,519,049; Dec. 9.
 Molds from a permanent master positive mold, Making permanent metal. P. W. Mulder. 1,518,271; Dec. 9.
 Motor: See—
 Hydrocarbon motor. Magnetic motor.
 Motor control, System of. A. F. Welch. 1,518,619; Dec. 9.
 Motors, Control of induction. R. H. McLain. 1,518,592; Dec. 9.
 Musical instrument. A. G. Folsom. 1,518,191; Dec. 9.
 Mute holder. E. Kresse. 1,518,264; Dec. 9.
 Name-plate holder. W. S. Risco. 1,518,356; Dec. 9.
 Neckband. J. Zang. 1,518,293; Dec. 9.
 Needle holder. B. F. Lung. 1,518,531; Dec. 9.
 Nest, Trap. M. Merritt. 1,518,343; Dec. 9.
 Nipple and pacifier, Combination. H. A. Schmidt and W. E. K. Schossow. 1,518,823; Dec. 9.
 Nitrochlor derivatives of open-chain hydrocarbons and making same. E. Belouss. 1,519,017; Dec. 9.
 Nonsluable coat. H. R. Hart. 1,518,509; Dec. 9.
 Nozzle, Sprinkler. J. D. Ross. 1,518,412; Dec. 9.
 Nut lock. I. W. Griffith and T. E. Dohoney. 1,518,918; Dec. 9.
 Oil burner. O. Dandurand. 1,518,837; Dec. 9.
 Oil burner. E. L. Walker. 1,518,947; Dec. 9.
 Oil-burning apparatus, Liquid. G. M. Bongort. 1,518,895; Dec. 9.
 Oil cup. S. S. Rundell. 1,518,675; Dec. 9.
 Oil dehydrators, Automatic control of. E. J. Hunt. 1,518,792; Dec. 9.
 Oil tanks, Relief device for. J. E. Crews. 1,518,486; Dec. 9.
 Oils, Apparatus for reclaiming waste lubricating. L. Benge. 1,518,684; Dec. 9.
 Oiler, Stock and die. A. P. McCormick. 1,518,994; Dec. 9.
 Ointment. N. Shihapzian. 1,518,365; Dec. 9.
 Oven door. C. V. Roberts. 1,519,037; Dec. 9.
 Overalls, Union. O. T. I. H. W. M., and W. F. Mitchell. 1,518,345; Dec. 9.
 Overflow trunking system. C. E. Lomax. 1,518,862; Dec. 9.
 Packaging and tying mechanism. J. T. Dalton. 1,518,310; Dec. 9.
 Packing articles, Device for. J. H. L. Boettcher. 1,518,556; Dec. 9.

Packing articles, Machine for. J. H. L. Boettcher. 1,518,558; Dec. 9.
 Packing device for paper cups and the like. P. F. Buchanan. 1,518,481; Dec. 9.
 Packing or stuffing tubes filled with sand or the like by means of knocking or beating, Device for. J. Hoffmann. 1,518,202; Dec. 9.
 Pad: See—
 Inking pad.
 Painting apparatus, Pneumatic. J. H. Cahill. 1,518,135; Dec. 9.
 Pan: See—
 Pie and cake pan.
 Pan and sifter, Combination. F. L. Martin. 1,519,038; Dec. 9.
 Paper and the like, Device for removably holding sheets of. C. E. Johnson. 1,518,329; Dec. 9.
 Paper bags, Machine for folding. P. Gangler. 1,518,192; Dec. 9.
 Paper, Coating. J. Traquair. 1,518,371; Dec. 9.
 Paper cups, Machine for making. R. Holman. 1,518,261; Dec. 9.
 Paper cutter, Vertical. M. Nelson. 1,518,749-50; Dec. 9.
 Paper-handkerchief package. E. W. Wood. 1,518,628; Dec. 9.
 Paper-making machines, Expanding-cylinder mold and dandy roll for. W. E. K. Trotman. 1,518,712; Dec. 9.
 Paper-pulp screen. J. W. Hammond. 1,518,507; Dec. 9.
 Paper receptacles, Machine for the manufacture of. D. J. Jennings. 1,518,514; Dec. 9.
 Paper-removing machine, Wall. J. P. Riche. 1,518,454; Dec. 9.
 Paper-rolling machine. D. W. Hudson. 1,518,428; Dec. 9.
 Paper stock, Method of and apparatus for working. A. J. Harg. 1,518,922; Dec. 9.
 Paper tester. E. A. Mahannah. 1,518,806; Dec. 9.
 Peat and lignite burner. H. N. Hager and J. E. Flynn. 1,518,322; Dec. 9.
 Pen, Fountain. G. H. Osterhout, Jr. 1,518,548; Dec. 9.
 Pen, Fountain. H. Ross. 1,518,821; Dec. 9.
 Penell. E. Saadl. 1,518,822; Dec. 9.
 Photographic film. F. W. Lovejoy. 1,518,409; Dec. 9.
 Photographic-printing machines, Numbering stamp for. C. F. Spidel and J. Christie. 1,518,415; Dec. 9.
 Photomechanical printing plates, Producing color negatives for. J. A. H. Hatt. 1,518,426; Dec. 9.
 Piano action. J. S. Conner. 1,518,483; Dec. 9.
 Pianos, Sound resonator for. F. Moser. 1,518,867; Dec. 9.
 Picker: See—
 Cotton picker.
 Picker rod. H. Bruneau. 1,518,631; Dec. 9.
 Picture films, Coloring motion. L. E. Taylor. 1,518,945-6; Dec. 9.
 Picture frame. M. Pelletier. Des. 66,207; Dec. 9.
 Picture machine, Framing mechanism for moving. T. F. Uhlemann and W. Ellwood. 1,518,373; Dec. 9.
 Picture-projecting apparatus, Attachment for motion. A. R. Shoemaker and J. F. Hasenkamp. 1,519,064; Dec. 9.
 Pictures and designs, Reproducing. A. H. Lutz and G. J. Richardson. 1,518,863; Dec. 9.
 Pictures and the like, Standing support for. W. P. McCauley. 1,518,207; Dec. 9.
 Pie and cake pan. A. O. Edwards. 1,518,973; Dec. 9.
 Pin: See—
 Stop pin.
 Pipe: See—
 Conveyer pipe.
 Pipe coupling. H. P. Kraft. 1,519,097; Dec. 9.
 Pipe fittings and the like, Making. T. E. Murray. 1,518,599; Dec. 9.
 Pipe joint, Rotatable. O. H. G. Steed. 1,518,368; Dec. 9.
 Pistol, Automatic. J. D. Pederson. 1,518,602; Dec. 9.
 Pistols, Guard for safety catches of automatic. W. C. Wright. 1,518,831; Dec. 9.
 Piston. J. O. McArthur. 1,518,801; Dec. 9.
 Piston construction. F. P. Kruse. 1,518,986; Dec. 9.
 Piston-ring expander. C. R. Snider. 1,518,940; Dec. 9.
 Plating machine. M. Noel. 1,518,670; Dec. 9.
 Planer or shaper. F. H. Sleeper. 1,518,707; Dec. 9.
 Planers, Feed ratchet for. A. W. Parkes. 1,518,218; Dec. 9.
 Planter attachment, Cultivator-disk. H. W. Carpenter. 1,518,177; Dec. 9.
 Planter. Seed mechanism for. S. O. Holland. 1,518,327; Dec. 9.
 Plaster lath. J. F. Makowski. 1,518,337-8; Dec. 9.
 Plaster wall board, Apparatus for binding the edges of. C. R. Birdsey. 1,518,243; Dec. 9.
 Plate holst. A. Panko. 1,519,045; Dec. 9.
 Plate or similar article. W. P. Graham. Des. 66,183; Dec. 9.
 Plated article, Rust-resistant. C. J. Wernlund. 1,518,622; Dec. 9.
 Platform, Lifting. A. W. Carroll. 1,518,561; Dec. 9.
 Plow. T. Moshak. 1,519,003; Dec. 9.
 Plows sidewise, Mechanism for adjusting. F. H. Raaz. 1,518,451; Dec. 9.
 Plowfender adjuster. W. G. Perry. 1,518,352; Dec. 9.
 Plug. F. J. Smith. 1,518,462; Dec. 9.
 Pocket construction. M. Welner. 1,518,884; Dec. 9.
 Polishing device, Shoe. A. Goldman. 1,518,143; Dec. 9.

Porous composition of matter. J. T. Ellis. 1,518,189; Dec. 9.
 Poudreuse. J. Ronayne. 1,518,358; Dec. 9.
 Poultry feeder. A. Angell, Jr. 1,518,891; Dec. 9.
 Powdered or finely-crushed materials, more particularly fuel, by means of pitch, Agglomeration of. H. du Boistessellu. F. W. Tabb, and L. Hertenbela. 1,518,186; Dec. 9.
 Press—See—
 Baling press.
 Garment press.
 Press toggle. J. C. Ledbetter. 1,518,527; Dec. 9.
 Pressing machinery, Steam-spraying and steam-heated member for garment—. P. E. Geldhof. 1,518,500; Dec. 9.
 Pressure regulator. W. S. Ralston. 1,518,353; Dec. 9.
 Printing and the like, Heater for raised. S. Lipsius. 1,518,861; Dec. 9.
 Printing and winding mechanism. Web. W. Assheton. 1,518,954; Dec. 9.
 Printing plates, Machine for making. J. S. Duncan. 1,518,904; Dec. 9.
 Printing plates, Producing. P. Müller. 1,519,004; Dec. 9.
 Printing press. R. Jacobuehl. 1,518,658; Dec. 9.
 Printing presses, Correcting. L. W. Claybourn. 1,518,562-3; Dec. 9.
 Projectile. J. J. Halloran. 1,518,920; Dec. 9.
 Projecting system. C. W. Frederick and E. C. Allen. 1,518,403; Dec. 9.
 Propeller. M. S. Okun. 1,518,544; Dec. 9.
 Propeller or the like, Screw. J. H. W. Gill. 1,518,501-2; Dec. 9.
 Puller—See—
 Stubble puller.
 Wheel puller.
 Pulp and apparatus for practicing the method, Making articles from. W. H. Drake. 1,518,968; Dec. 9.
 Pump. A. W. Burks. 1,518,134; Dec. 9.
 Pump. D. J. Conant. 1,518,965; Dec. 9.
 Pump and motor, Hydraulic. G. H. Hutchison and D. S. McLean. 1,518,851; Dec. 9.
 Pump coupling, Quick-acting. H. P. Kraft. 1,519,095; Dec. 9.
 Pump, Fluid. S. W. Greenwell. 1,518,916; Dec. 9.
 Pump, Fluid-dispensing. A. G. McGallin. 1,518,864; Dec. 9.
 Pump jack. L. J. Huss. 1,518,793; Dec. 9.
 Pump of variable resistance. C. Andreul. 1,518,833; Dec. 9.
 Pumping hot liquids. P. Roth. 1,518,456; Dec. 9.
 Pumping system. H. S. Aikman. 1,518,890; Dec. 9.
 Punching and fastener-inserting mechanism. G. W. Jacques. 1,518,147; Dec. 9.
 Puzzle. W. W. Wooster. 1,518,889; Dec. 9.
 Rack—See—
 Dish and dish-cover rack.
 Vending rack.
 Radial-drill base construction. D. C. Klausmeyer. 1,519,090; Dec. 9.
 Radiator. B. Edwards. 1,518,493; Dec. 9.
 Radiator. F. C. Otto. 1,518,700; Dec. 9.
 Radiator covers, Bracket for cloth. A. F. Hutzler. 1,518,145; Dec. 9.
 Radiator shield. O. Schwartz. 1,519,011; Dec. 9.
 Radio cabinet and loud speaker, Combination. H. O. Victor. Des. 66,212-17; Dec. 9.
 Radiodial. H. T. Whaler. 1,518,473; Dec. 9.
 Radiophone amplifier. A. N. Martin. 1,518,744; Dec. 9.
 Radio sets, Interchangeable battery system for. H. Hart. 1,518,508; Dec. 9.
 Radio signaling system and apparatus therefor. R. E. H. Carpenter. 1,518,633; Dec. 9.
 Radiotelegraph system. W. L. Carlson and E. C. Hanson. 1,518,655; Dec. 9.
 Radiotelegraph system. E. C. Hanson. 1,518,656; Dec. 9.
 Radio telephone and telegraph apparatus. T. S. Cole. 1,518,564; Dec. 9.
 Rag puppet. E. Edwards. 1,518,576; Dec. 9.
 Rail-anchor plate. W. M. Osborn. 1,518,870; Dec. 9.
 Rail anticreep. M. L. Harvey. 1,518,510; Dec. 9.
 Rail chair. W. M. Osborn. 1,518,871; Dec. 9.
 Rail fastener. D. F. Dyke. 1,518,970; Dec. 9.
 Rail fastening, Bed. D. F. Dyke. 1,518,969; Dec. 9.
 Rail joint. T. K. Miller. 1,518,667; Dec. 9.
 Railway buffer construction. F. Rawie. 1,518,453; Dec. 9.
 Railway-crossing device. E. Fogarty. 1,518,646; Dec. 9.
 Railway gates, Safety device for. T. T. Chaloner. 1,518,962; Dec. 9.
 Railway rails, Anticreep for. W. S. Weston. 1,518,472; Dec. 9.
 Railway signal and gate. M. J. Reynolds. 1,518,055; Dec. 9.
 Railway tie, Metal. R. T. Burdette. 1,518,387; Dec. 9.
 Railways, Governor for automatic control apparatus for. A. J. Brookins. 1,518,249; Dec. 9.
 Raising and lowering mechanism. L. D. Teter. 1,518,826; Dec. 9.
 Range fire blower and soot cleaner. Kitchen. R. Culbertson. 1,518,487; Dec. 9.
 Reader. H. H. Stylt. 1,518,419; Dec. 9.
 Receptacle. L. R. Livingston. 1,519,034; Dec. 9.
 Receptacles, Closure extracting and replacing device for. C. O. Sather. 1,518,222; Dec. 9.

Recording mechanism. W. B. Murray. 1,518,214; Dec. 9.
 Reflectograph. W. D. Arnot. 1,518,680; Dec. 9.
 Reflector, Adjustable. W. H. Spencer. 1,519,071; Dec. 9.
 Refrigerating apparatus. H. H. Wells. 1,518,885; Dec. 9.
 Refrigerator. J. D. Mitchell. 1,518,668; Dec. 9.
 Refrigerator. J. Nemec. 1,518,542; Dec. 9.
 Refrigerator control. H. J. C. Wells. 1,518,620; Dec. 9.
 Register. S. P. Burgess. Des. 66,178; Dec. 9.
 Regulator—See—
 Pressure regulator.
 Resilient ring. H. H. Olmstead. 1,518,272; Dec. 9.
 Retort, Rotary. H. Nielsen. 1,518,938; Dec. 9.
 Reversing mechanism. J. R. Spencer. 1,518,878; Dec. 9.
 Rim. C. Schergens. 1,518,457; Dec. 9.
 Rim, Demountable. G. W. Hebbeler. 1,518,739; Dec. 9.
 Rim-locking means. I. V. da Silveira. 1,518,693; Dec. 9.
 Ring—See—
 Curtain ring.
 Resilient ring.
 Ring. A. Brod. Des. 66,175-6; Dec. 9.
 Road drag. R. Griffith. 1,518,653; Dec. 9.
 Road leveler. B. W. Gray. 1,518,505; Dec. 9.
 Robe holder. W. G. Lachenmaler. 1,518,936; Dec. 9.
 Rocking-chair. J. F. McGlothorn. Des. 66,204; Dec. 9.
 Rod—See—
 Picker rod.
 Roller suspension. R. G. Bullock. 1,518,687; Dec. 9.
 Rolling mill. F. Casel. 1,518,830; Dec. 9.
 Roof ventilator. D. Craig. 1,518,691; Dec. 9.
 Roofing material. T. B. Lehou. 1,518,988; Dec. 9.
 Roost, Sanitary chicken. W. Faethe. 1,518,400; Dec. 9.
 Rope, Method and apparatus for treating curled über. P. E. Wolf. 1,519,094; Dec. 9.
 Rotary engine. C. J. Olson. 1,518,812; Dec. 9.
 Rubber and other heavy plastic material, Apparatus for treating. F. H. Banbury. 1,518,129; Dec. 9.
 Saddle. A. J. Linder. 1,518,157; Dec. 9.
 Safe and the like. C. H. Whittingham. 1,518,948; Dec. 9.
 Safety lock. C. A. Müller. 1,518,747-8; Dec. 9.
 Safety zone. G. R. Wescott. 1,518,623; Dec. 9.
 Salt and pepper shaker, Combined. F. C. Widmann. 1,518,887; Dec. 9.
 Sand distributor. P. Muzyczka. 1,518,215; Dec. 9.
 Sanitary douche seat. R. A. Phillips. 1,518,447; Dec. 9.
 Saw, Meat. M. Dandrea. 1,518,488; Dec. 9.
 Sawing apparatus. I. J. Hearne. 1,518,198; Dec. 9.
 Scale, Weighing. E. Harrold. 1,518,982; Dec. 9.
 Score box, Game. C. L. Ball. 1,518,476; Dec. 9.
 Scoring-pad holder. C. K. Harrison, Jr. and L. R. Page, Jr. 1,518,197; Dec. 9.
 Scraping implement. G. J. Gates. 1,518,320; Dec. 9.
 Scratching machine. A. L. Edwards. 1,518,971; Dec. 9.
 Screen—See—
 Paper-pulp screen.
 Well screen.
 Vibratile screen.
 Screw-feed magazine, Continuous. M. H. Jones. 1,518,583; Dec. 9.
 Screw hook, Heddle. W. J. Colbert. 1,518,900; Dec. 9.
 Screw jack, Compound. R. M. Dixon. 1,518,490; Dec. 9.
 Scriber, Gauge. D. W. L. Frank. 1,518,647; Dec. 9.
 Seal, Friction-sleeve water. F. A. Feiler. 1,518,644; Dec. 9.
 Sealing device for shipping cases. A. H. Goodwin. 1,518,914; Dec. 9.
 Sealing machine. H. H. Metcalf. 1,518,534; Dec. 9.
 Searchlight, Focusing hand. R. M. Eaton. 1,518,575; Dec. 9.
 Seat—See—
 Sanitary douche seat.
 Selva-loop retainer. J. H. Purser. 1,519,008; Dec. 9.
 Separator—See—
 Air separator.
 Gravity separator.
 Separator and classifier. S. H. Boylan. 1,519,019; Dec. 9.
 Sewing machine. H. A. Klemm. 1,518,520; Dec. 9.
 Sewing machines, Tensioning device for. H. Elcock. 1,518,494; Dec. 9.
 Sextant rest. F. W. Kretschmer. 1,518,985; Dec. 9.
 Shade fixture, Window. F. H. Chilton. 1,518,252; Dec. 9.
 Shade hanger, Window. J. C. Torrence. 1,519,074; Dec. 9.
 Sharpener attachment, Knife. O. C. Craver. 1,518,181; Dec. 9.
 Sharpener for knives and other cutting tools. H. G. Bennett and I. Rowe. 1,518,726; Dec. 9.
 Sheet deposits from their receiving blanks, Apparatus to facilitate the removal of starting. F. J. Sibol. 1,518,609; Dec. 9.
 Sheet material, Machine for operating upon blanks of. E. E. Winkley. 1,518,171; Dec. 9.
 Sheet-metal wheel. M. E. Roe. 1,518,411; Dec. 9.
 Shingle and making same, Fire-resistant. E. Layton. 1,518,857; Dec. 9.
 Shingle-blackening stands, Guard for. F. Kingsley. 1,518,853; Dec. 9.
 Shoe cleaning and polishing machine. H. Plummer. 1,518,873; Dec. 9.
 Shoe-shank support. H. G. Josephson. 1,518,432; Dec. 9.
 Shoes and an innersole used in such method, Making. O. E. De Ridder. 1,518,840; Dec. 9.
 Shovel. F. C. Brandenburg. 1,518,246; Dec. 9.
 Shuttle. C. H. Morris. 1,519,001; Dec. 9.

Shuttle bobbin. W. R. Berryman. 1,518,958; Dec. 9.
 Sign exhibitor, Changeable. E. D. Weed. 1,519,076; Dec. 9.
 Signal—See—
 Crossing signal.
 Traffic signal.
 Vehicle signal.
 Water signal.
 Signal. G. W. Cameron. 1,518,176; Dec. 9.
 Signaling device. E. Teltz. 1,518,232; Dec. 9.
 Signaling system. W. R. G. Baker. 1,518,682-3; Dec. 9.
 Siphons, Priming device for spillway. P. Davies. 1,518,489; Dec. 9.
 Skulcap. S. Bellitz. 1,519,016; Dec. 9.
 Sleeves into garment, Sewing. E. Kasalowicz. 1,518,584; Dec. 9.
 Slicing machine. P. J. Lucey. 1,518,697; Dec. 9.
 Slicing machine. S. Wile. 1,518,474; Dec. 9.
 Smelting furnace. C. Gauschmann. 1,518,193; Dec. 9.
 Snowplow. J. Borczik. 1,518,685; Dec. 9.
 Soap and suds container. J. J. Miller. 1,518,999; Dec. 9.
 Soap, Apparatus for distributing paste. J. Serre. 1,518,676; Dec. 9.
 Soldering iron. W. J. Frisbie. 1,518,404; Dec. 9.
 Sole and heel construction. J. R. Gammeter. 1,518,910; Dec. 9.
 Sound record and making the same. J. W. Owen and A. Hewitt. 1,518,443; Dec. 9.
 Spark plug. A. B. and H. A. Brohuska. 1,518,248; Dec. 9.
 Spark plug. W. R. Krebs. 1,518,660; Dec. 9.
 Spark-plug tester. A. A. Martell. 1,518,268; Dec. 9.
 Speed-accelerating device, Cut. A. M. Powell. 1,518,702; Dec. 9.
 Speed or like indicating device. B. Bonniksen. 1,518,244; Dec. 9.
 Speedometer adapter for instrument boards. C. S. Turner. 1,518,420; Dec. 9.
 Splicing clip. C. Lea. 1,519,091; Dec. 9.
 Spool. H. A. Feigelman. 1,518,402; Dec. 9.
 Spout support or hanger. W. R. Hickox. 1,518,848; Dec. 9.
 Springs, Enameling coil. D. M. Barry and L. C. Humason. 1,519,085; Dec. 9.
 Sputum-cup holder, Pocket. D. R. Bulla. 1,518,302; Dec. 9.
 Stacking articles, Apparatus for. J. H. L. Boettcher. 1,518,557; Dec. 9.
 Stamp, Combination magnetic. B. Bornstein. 1,518,727; Dec. 9.
 Stamping machine. O. M. Pannier. 1,519,006; Dec. 9.
 Stapling machine. R. H. Heyn and F. Polzer. 1,518,925; Dec. 9.
 Steam engine. E. W. Lindley. 1,518,438; Dec. 9.
 Steam-regulating means. W. L. Bliss. 1,518,894; Dec. 9.
 Steering device, Traller. H. W. Jonkhoff. 1,518,517; Dec. 9.
 Steering mechanism for locomotive cranes. R. S. Moore. 1,518,808; Dec. 9.
 Step plate. B. A. MacArthur. Des. 66,202; Dec. 9.
 Stoker, Automatic. O. O. Nygaard. Re-15,963; Dec. 9.
 Stomach contents, Electrical device for measuring the conductivity of the. H. P. Maue. 1,518,211; Dec. 9.
 Stone-cutting machine. A. Ditto. 1,518,841; Dec. 9.
 Stonelike material, Process and apparatus for the manufacture of. F. Euwecke. 1,518,842; Dec. 9.
 Stone-setting device. I. T. Nedland. 1,519,040; Dec. 9.
 Stop pin. P. C. Burns. 1,518,729; Dec. 9.
 Stopcock. J. S. Sheafe. 1,518,606; Dec. 9.
 Stopping drill. A. B. Blaustein. 1,518,384; Dec. 9.
 Store-front construction. F. and I. Himmel. 1,518,582; Dec. 9.
 Stove. M. Stöhr. 1,518,281; Dec. 9.
 Stove. Camp. L. B. N. J. M., and W. Goldberg. 1,518,651; Dec. 9.
 Stove, Pump. F. A. Trow. 1,518,713; Dec. 9.
 Stove, Firing and grate, Adjustable. R. Lacourse. 1,518,524; Dec. 9.
 Stoves, Folding grate and support for camp. L. B. N. J. M., and W. Goldberg. 1,518,650; Dec. 9.
 Straw spreader. M. P. Dougherty. 1,518,573; Dec. 9.
 Stubble puller. A. G. Erdman. 1,519,024; Dec. 9.
 Stuffer horn. W. F. Henderson. 1,518,511; Dec. 9.
 Stump burner. V. L. Holt. 1,518,929; Dec. 9.
 Sucker-rod joint. E. H. Bowser. 1,518,960; Dec. 9.
 Suction feeding machine. H. Krejca. 1,518,522; Dec. 9.
 Sulphite cellulose liquid into furnaces, Device for introducing. E. Wirth-Frey. 1,518,723; Dec. 9.
 Switch—See—
 Electric switch.
 Knife switch.
 Switch. A. C. Gerber. 1,519,028; Dec. 9.
 Switch. F. O. Winklerhaus. 1,518,888; Dec. 9.
 Switch mechanism. R. B. Benjamin. 1,518,383; Dec. 9.
 Switch mechanism, Quick-acting. R. Penn. 1,518,701; Dec. 9.
 Tabulating mechanism. L. C. Reynolds. 1,519,054; Dec. 9.
 Tag machine. T. Allatt. 1,518,551; Dec. 9.
 Take up brake. H. W. Muhleisen. 1,518,598; Dec. 9.
 Tamping machine. A. B. Rabbitt. 1,518,240; Dec. 9.
 Tank—See—
 Flush tank.
 Gasoline tank.
 Tap wrench. W. A. Seidemann and J. Johnson. 1,518,224; Dec. 9.
 Telephone attachment. J. Levy. 1,518,859; Dec. 9.
 Telephone-circuit testing apparatus. J. W. McNicol. 1,518,335; Dec. 9.

Telephone-exchange system, Machine-switching. L. Polinkowsky. 1,518,815; Dec. 9.
 Telephone-locking device. F. C. Owen. 1,518,751; Dec. 9.
 Telephone system. C. L. Goodrum. 1,518,736; Dec. 9.
 Telephone transmitters, Pad holder for. C. Rosine. 1,518,876; Dec. 9.
 Telephonic transmission, Balancing circuit for. A. Melksner. 1,518,440; Dec. 9.
 Temperature, Apparatus for producing and maintaining high. F. A. Fahrenwald. 1,518,258; Dec. 9.
 Temperature-indicating instrument for motor-vehicle radiators. H. H. Boyce. 1,518,896; Dec. 9.
 Tent, Fumigating. E. A. Klein. 1,518,434; Dec. 9.
 Test clamp, Combination. A. C. Smith. 1,518,460; Dec. 9.
 Testing materials, Machine for. H. Hecht and W. Rodolph. 1,518,790; Dec. 9.
 Textile fabric. J. H. Bunting. Des. 66,177; Dec. 9.
 Thermometer, Compensated distance-type. H. Schlaich. 1,518,939; Dec. 9.
 Thermostatic circuit closer. N. H. Freeman. 1,518,979; Dec. 9.
 Thread-hobbing machine. R. Hill and E. A. Moyer. 1,518,201; Dec. 9.
 Tie—See—
 Bale tie.
 Railway tie.
 Blade tie.
 Tie-plug system. C. C. Warne. 1,518,470; Dec. 9.
 Time-computing device. M. C. Oster. 1,518,547; Dec. 9.
 Tin from tin-containing minerals, alloys, scoria, and scrap, Extracting. L. Lamy. 1,518,742; Dec. 9.
 Tire. E. Landerme. 1,518,529; Dec. 9.
 Tire armor. J. Ferro. 1,518,781; Dec. 9.
 Tire, Automobile. A. H. Harris. Des. 66,185; Dec. 9.
 Tire boot. D. E. Stevenson. 1,518,466; Dec. 9.
 Tire carrier. D. B. Balma. 1,518,295; Dec. 9.
 Tire carrier. F. B. Menge and W. Haab. 1,518,533; Dec. 9.
 Tire chain. J. D. Finnegan. 1,518,645; Dec. 9.
 Tire chain. A. L. Johnston, Jr. 1,518,515; Dec. 9.
 Tire-chain fastener. J. E. Nelson. 1,518,541; Dec. 9.
 Tire holder, Spare. E. N. Henson. 1,518,923; Dec. 9.
 Tire, Resilient. L. F. Loyd. 1,518,992; Dec. 9.
 Tire rim. J. A. Floro and H. McCarley. 1,518,782; Dec. 9.
 Tire rim, Demountable. J. W. McClanahan. 1,518,532; Dec. 9.
 Tire structure, Cushion. F. H. Meyer. 1,518,746; Dec. 9.
 Tobacco, Denicotinizing. J. Sartig. 1,518,706; Dec. 9.
 Tobacco-stemming machine. H. Weigand and O. E. Schobert. 1,519,077; Dec. 9.
 Tobacco-stripping and stalk-cutting machine, Combined. S. Olson. 1,518,349; Dec. 9.
 Tongs, Heavy pipe. J. W. Purvis. 1,518,755; Dec. 9.
 Tool bit. G. W. Lupp. 1,518,556; Dec. 9.
 Tool handle. B. C. Filatroult. 1,518,259; Dec. 9.
 Tool kit. M. J. O'Connell. 1,518,672; Dec. 9.
 Tooth, Artificial. H. Eklof. 1,518,315; Dec. 9.
 Toothbrush, Fountain. A. Mendoza. 1,518,341-2; Dec. 9.
 Tooth shade guide. C. Short. 1,518,608; Dec. 9.
 Towel-wrapping machine. T. D. Thomas. 1,518,827; Dec. 9.
 Toy, Aerial. F. Morinaga. Des. 66,205; Dec. 9.
 Toy aeroplane. F. E. and C. G. Wood. 1,518,765; Dec. 9.
 Toy and elements for constructing it. A. C. Day. 1,518,839; Dec. 9.
 Toy electric tractor. A. A. Heaton, Jr. 1,518,324; Dec. 9.
 Toy, Figure. E. C. Mayne. 1,518,212; Dec. 9.
 Toy, Figure wheeled. H. Allison. 1,518,725; Dec. 9.
 Toy gravity railway. F. C. and C. Bauer. 1,518,893; Dec. 9.
 Toy, Parachute. R. L. Miller. 1,518,344; Dec. 9.
 Toy, Sand. U. S. Higgins. 1,518,144; Dec. 9.
 Toy vehicle. W. O. McElroy, Jr., and J. F. Tropea. 1,518,661; Dec. 9.
 Toys, Cry-producing device for. E. W. and H. B. Bruckner. 1,518,897; Dec. 9.
 Toys, Double voice for. T. Hutalkow. 1,518,794; Dec. 9.
 Tractor. H. C. Allen. 1,518,294; Dec. 9.
 Tractor. R. B. Otwell. 1,518,161; Dec. 9.
 Tractor. W. F. Sternberg. 1,518,465; Dec. 9.
 Tractor controlling mechanism, Extensible. A. H. Krueger. 1,519,033; Dec. 9.
 Tractor device, Automatic safety. E. H. Whiting. 1,519,079; Dec. 9.
 Tractor drawbar. C. D. Davis. 1,518,511; Dec. 9.
 Tractor hitch. W. L. Paul. 1,518,444; Dec. 9.
 Traffic signal. F. Miller. 1,518,423; Dec. 9.
 Traffic signal. E. E. Miller. 1,518,666; Dec. 9.
 Traffic signal. G. E. Sovereign. 1,518,678; Dec. 9.
 Train control. G. E. Jackson. 1,518,657; Dec. 9.
 Train-pipe connector, Automatic. M. A. Barber. 1,518,380; Dec. 9.
 Transmission of messages by high-frequency oscillations, Multiplex. H. Passbender and E. Habann. 1,518,401; Dec. 9.
 Tray, Impression. J. E. Craik. 1,518,308; Dec. 9.
 Trolley wheel. A. C. Van Hooydonk. 1,518,168; Dec. 9.
 Truck. C. T. McPhalen. 1,519,037; Dec. 9.

ALPHABETICAL LIST OF INVENTIONS.

Truck, Mill. T. A. Flood and E. W. Conboy. 1,518,497; Dec. 9.
Turbine, Fluid. A. Rivano. 1,518,274; Dec. 9.
Twisters and the like, Stop mechanism for. H. Wilkin-son. 1,518,720; Dec. 9.
Typewriter-type soldering and aligning apparatus. J. B. Griffin. 1,518,917; Dec. 9.
Typewriting machine. A. G. F. Kurowski. 1,518,741; Dec. 9.
Typewriting machine. J. Waldheim. 1,518,617; Dec. 9.
Umbrella attachment. C. A. Fetter. 1,518,138; Dec. 9.
Umbrella, Foldable. J. V. Hnanicek. 1,518,927; Dec. 9.
Underhose. E. M. Rodde. 1,518,758; Dec. 9.
Underreamer. J. E. Morgan and J. R. McCoy. 1,519,039; Dec. 9.
Valve. H. H. Reiber. 1,518,221; Dec. 9.
Valve. B. Trager. 1,518,233; Dec. 9.
Valve, Expansion. G. J. Cooke. 1,518,180; Dec. 9.
Valve, Expansion. E. T. Klen. 1,518,984; Dec. 9.
Valve for air-brake equipment. Application cylinder air-release. F. F. Sewell. 1,518,677; Dec. 9.
Valve for controlling the admission of high and low pressure liquid to hydraulic presses. B. C. Barton and R. H. Carr. 1,518,297; Dec. 9.
Valve, Flushing. H. A. Spear. 1,518,942; Dec. 9.
Valve-grinding tool. O. D. Hapgood. 1,518,579; Dec. 9.
Valve-operating mechanism. R. Fox. 1,518,978; Dec. 9.
Valve plug for inflated bodies. C. F. Collins and F. J. Mayer. 1,518,901; Dec. 9.
Valve-raising device. P. I. Langlykke. 1,518,855; Dec. 9.
Valve-spring compressor. A. L. Sandin. 1,519,060; Dec. 9.
Valve, Three-in-one. G. Curcouth. 1,518,636; Dec. 9.
Valve, Trip. P. W. Knauf. 1,518,586; Dec. 9.
Valves, Control for regulating. G. C. Davis. 1,518,776; Dec. 9.
Valves of gas ovens, Guard for. J. McGovern. 1,518,804; Dec. 9.
Vanity case. C. H. De Bernardi. 1,519,021; Dec. 9.
Vanity case. W. B. Marble. 1,518,544; Dec. 9.
Vaporizer and carburetor. H. V. Croon. 1,518,572; Dec. 9.
Vehicle and axle therefor. Motor. J. M. Lansden. 1,518,937; Dec. 9.
Vehicle body, Road-motor. C. T. Weymann. 1,519,093; Dec. 9.
Vehicle brake. C. D. Rarich. 1,518,704; Dec. 9.
Vehicle brake-operating mechanism. R. J. Burrows. 1,518,770; Dec. 9.
Vehicle, Child's. J. F. Johnstone and D. A. Johnston. 1,518,932; Dec. 9.
Vehicle signal. C. Lucas. 1,518,588; Dec. 9.
Vehicle signal. N. T. Shorts. 1,518,366; Dec. 9.
Vehicle top. M. Baldwin. 1,518,128; Dec. 9.
Vehicle trailers, Braking mechanism for. E. L. Ritter. 1,518,357; Dec. 9.
Vehicle ventilator, Motor. L. D. Freeman and R. Hunt. 1,518,319; Dec. 9.
Vehicle wheel. J. V. Stolp. 1,518,369; Dec. 9.
Vehicles, Direction indicator for. F. H. Wood. 1,519,040; Dec. 9.
Vehicles, Instrument board for motor. L. C. Freeman. 1,518,139; Dec. 9.
Vehicles, Rear-end signaling device for motor-driven. W. H. Cashin. 1,518,660; Dec. 9.
Vending machine. B. E. Klefer and B. E. Thaxton. 1,518,331; Dec. 9.
Vending rack. W. J. Ashton. Re 15,958; Dec. 9.
Ventilating apparatus. H. Baetz. 1,518,127; Dec. 9.
Ventilator: See—
Cowl ventilator. Vehicle ventilator.
Roof ventilator. Window ventilator.
Ventilator. A. G. Larson. 1,518,526; Dec. 9.
Ventilator. G. C. Walker. 1,518,715; Dec. 9.
Vibratile screen. C. R. Walcott and W. J. Pike. 1,518,236; Dec. 9.
Violin mute. L. Kozielek. 1,518,935; Dec. 9.
Viscosimeter. C. L. Tseng. 1,518,167; Dec. 9.
Vulcanizing bags, Process and apparatus for emptying. A. O. Abbott, Jr. 1,518,238; Dec. 9.

Wall construction, Composite. J. E. Makowski. 1,518,336; Dec. 9.
Warping machines, Pneumatic lint clearer for. F. H. Keuney and J. W. Sidebottom. 1,519,083-4; Dec. 9.
Washer: See—
Lock washer.
Washers, Forming. H. P. Kraft. 1,518,521; Dec. 9.
Washing machine. A. W. Farrell. 1,518,578; Dec. 9.
Washing machines, Reversing mechanism for. J. R. Spencer and J. J. Hogan. 1,518,879; Dec. 9.
Washtrays, Brace for. C. H. Gunn and J. C. Newcomb. 1,518,506; Dec. 9.
Watch, Demihunter. G. Huguenot. 1,519,031; Dec. 9.
Water-closets, Seat guard for. E. Meldal. 1,518,866; Dec. 9.
Water heater, Instantaneous. C. C. Weaver. 1,518,883; Dec. 9.
Water-heating element. H. W. Jordan. 1,518,518; Dec. 9.
Water, Method and apparatus for purifying. G. H. Gibson. 1,518,784; Dec. 9.
Water signal. J. H. Neill. 1,519,041; Dec. 9.
Weave head motion, Two. E. R. Holmes. 1,518,427; Dec. 9.
Web drier. G. D. Harris. 1,518,580; Dec. 9.
Web joining and pasting device. H. V. Ball. 1,518,241; Dec. 9.
Web carrier support and releasing device. A. J. Ché-vrette and E. H. Ryon. 1,518,392; Dec. 9.
Welding and heating device, Electric. E. Schröder. 1,519,062; Dec. 9.
Welding by the electric arc. J. H. Paterson. 1,519,007; Dec. 9.
Welding machine, Electric seam. E. Schröder. 1,519,063; Dec. 9.
Well and method of sinking. W. H. Cater. 1,518,390; Dec. 9.
Well-drilling apparatus, Deep. O. Duda. 1,518,492; Dec. 9.
Well screen. M. E. Layne. 1,518,696; Dec. 9.
Well tubing preparatory to pulling same, Draining. W. H. McKissick. 1,518,865; Dec. 9.
Wells, Sand trap for oil. G. A. Osborne. 1,519,042; Dec. 9.
Wheel: See—
Sheet-metal wheel. Vehicle wheel.
Trolley wheel.
Wheel and hub cap, Self-contained demountable. A. L. Putnam. 1,518,550; Dec. 9.
Wheel-dressing tools, Mounting for. W. E. Ross. 1,518,413; Dec. 9.
Wheel drive. E. McManemin. 1,519,036; Dec. 9.
Wheel filler, Composite. M. W. Mix. 1,518,269; Dec. 9.
Wheel for demountable rims. H. R. Sack. 1,518,276; Dec. 9.
Wheel for motor and other vehicles. W. H. Worrall and R. D. Flunder. 1,518,290; Dec. 9.
Wheel puller. F. L. Ege. 1,518,974; Dec. 9.
Wheels, Renovating worn flanged. A. Gollwitzer. 1,519,029; Dec. 9.
Wheels, Traction attachment for vehicle. A. L. McCauley. 1,518,802; Dec. 9.
Window. J. Polachek, J. Jepsen, and E. Peremi. 1,519,087; Dec. 9.
Window bracket. E. E. Nowell. 1,518,441; Dec. 9.
Window, Casement. R. B. Teeter. 1,518,613; Dec. 9.
Window sash. F. Vansant. 1,518,374; Dec. 9.
Window ventilator. J. D. McAviney. 1,518,589; Dec. 9.
Windows, Automatic closing device for. H. E. Campbell. 1,518,632; Dec. 9.
Wire-drawing machine. C. W. Vaughn and E. Ransom. 1,518,714; Dec. 9.
Wire-spoke heading and bending machine. A. L. Olson. 1,518,869; Dec. 9.
Wire stretcher. J. F. Brunk. 1,518,769; Dec. 9.
Wireless telegraphy, Arc transmitter for. A. Meissner. 1,518,439; Dec. 9.
Wreath and making the same. G. C. Waters, Jr. 1,518,618; Dec. 9.
Wrench: See—
Tap wrench.
Wren house. O. C. George. Des. 66,182; Dec. 9.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 9, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 23: 1,518,925	28— 22: 1,519,083	46— 40: 1,518,981	73— 118: 1,518,939	91— 71: 1,519,085	114— 66.5: 1,518,263
2— 14: 1,518,385	47: 1,519,084	41: 1,518,889	41: 1,518,889	92— 3: 1,518,944	116— 46: 1,518,588
50: 1,518,407	48: 1,519,091	45: 1,518,725	74— 6: 1,518,360	20: 1,518,922	50: 1,518,423
61: 1,518,758	6: 1,518,610	46: 1,518,765	7: 1,518,473	36: 1,518,507	53: 1,518,666
79: 1,518,345	10: 1,519,040	48: 1,518,794	14: 1,518,134	43: 1,518,712	53: 1,518,232
93: 1,518,584	33: 1,518,563	55: 1,518,897	54: 1,518,282	54: 1,518,968	63: 1,518,623
123: 1,518,803	34: 1,518,283	56: 1,518,324	57: 1,518,793	57: 1,518,934	85: 1,518,915
176: 1,518,132	43: 1,518,163	58: 1,518,197	17: 1,519,046	93— 2: 1,518,534	117— 20: 1,518,253
182: 1,518,941	48: 1,518,156	59: 1,518,340	33: 1,518,729	32: 1,518,192	29: 1,518,720
247: 1,518,884	85: 1,518,974	61: 1,518,817	39: 1,518,359	36: 1,518,261	52: 1,518,328
26: 1,518,447	86.1: 1,519,067	63: 1,518,306	78: 1,518,464	39: 1,518,514	16: 1,518,664
26: 1,518,990	86.3: 1,518,855	66: 1,518,130	91: 1,519,022	91: 1,518,551	19: 1,518,832
193: 1,518,506	148: 1,518,562	67: 1,518,776	41: 1,518,285	2: 1,518,946	24: 1,518,400
259: 1,518,302	157: 1,518,599	47— 6: 1,518,603	50: 1,518,878	5.1: 1,518,426	32: 1,518,694
53: 1,518,346	168: 1,519,029	48— 41: 1,518,207	56: 1,518,879	5.6: 1,519,004	36: 1,518,351
69: 1,518,210	1: 1,519,050	49— 14: 1,518,852	58: 1,518,978	7: 1,518,997	44: 1,519,068
117: 1,518,386	3: 1,519,075	17.1: 1,518,734	58: 1,518,892	9: 1,518,396	50: 1,518,343
119: 1,519,048	54: 1,519,445	50— 10: 1,518,353	66: 1,518,220	51: 1,518,835	51: 1,518,553
290: 1,518,969	73: 1,518,225	51— 23: 1,518,984	108: 1,518,886	12: 1,518,287	61: 1,518,691
296: 1,518,970	5: 1,518,825	51— 29: 1,518,579	109: 1,518,801	38: 1,519,024	120— 1: 1,518,614
1: 1,518,934	6: 1,518,308	108: 1,518,971	1: 1,518,940	46: 1,518,146	46: 1,518,330
7— 13: 1,518,977	9: 1,518,315	129: 1,518,394	14: 1,518,854	98: 1,518,462	122: 1,518,822
8— 5: 1,518,585	44: 1,518,647	131: 1,518,406	17: 1,518,375	113: 1,519,003	46: 1,518,821
9— 20: 1,518,509	46: 1,519,002	278: 1,518,679	234: 1,518,451	188: 1,518,352	47: 1,518,548
10— 126: 1,518,994	64: 1,519,082	1: 1,518,142	244: 1,518,348	1: 1,518,928	57: 1,518,504
136: 1,518,408	204: 1,518,740	6: 1,518,973	46: 1,518,788	22: 1,518,312	58: 1,518,738
151: 1,518,224	6: 1,518,966	7: 1,518,206	54: 1,518,319	27: 1,518,127	58: 1,518,812
184: 1,518,201	11: 1,518,791	55: 1,518,774	18: 1,518,828	31: 1,518,691	61: 1,518,851
136: 1,518,158	12: 1,518,861	56— 25: 1,518,161	76— 86: 1,518,726	27: 1,518,127	123— 123: 1,518,438
142: 1,518,840	19: 1,518,516	57— 181: 1,518,813	87: 1,518,181	31: 1,518,589	250: 1,518,883
19: 1,518,516	20: 1,518,580	58— 38: 1,518,317	108: 1,518,722	297: 1,518,899	297: 1,518,899
97: 1,518,143	46: 1,518,752	59— 88: 1,519,031	28: 1,519,060	444: 1,518,170	444: 1,518,170
135: 1,518,341	16: 1,518,608	60— 53: 1,518,797	44: 1,518,836	10: 1,518,737	25: 1,518,995
156: 1,518,490	39: 1,518,875	61— 53: 1,518,277	81— 31: 1,518,109	19: 1,518,362	51: 1,518,468
265: 1,518,853	35: 1,518,910	62— 72: 1,518,272	15: 1,518,908	31: 1,518,437	51: 1,518,468
42: 1,518,771	43: 1,519,000	63— 45: 1,518,887	64: 1,518,905	18: 1,519,005	53: 1,518,673
7: 1,518,538	71: 1,518,217	64— 45: 1,518,887	66: 1,518,735	48: 1,518,912	65: 1,518,983
41: 1,518,511	76: 1,518,432	65— 45: 1,518,887	72: 1,518,236	80: 1,518,415	90: 1,518,499
2: 1,518,129	8: 1,518,297	66— 45: 1,518,887	75: 1,518,422	115: 1,518,863	97: 1,518,799
47.5: 1,518,842	30: 1,518,685	67— 45: 1,518,887	82: 1,519,019	119: 1,518,959	119: 1,519,012
56: 1,518,238	62: 1,518,528	68— 17: 1,518,961	92: 1,518,615	199: 1,518,658	122: 1,518,949
59: 1,518,521	115: 1,518,184	17: 1,518,961	92: 1,518,615	227: 1,518,954	169: 1,518,248
60: 1,518,254	172: 1,518,735	21: 1,518,378	189: 1,518,867	344: 1,518,159	1: 1,518,462
66: 1,519,094	175: 1,518,653	21: 1,518,378	243: 1,518,483	405: 1,518,727	1: 1,518,660
16: 1,519,073	7: 1,519,055	21: 1,518,378	264: 1,518,191	9: 1,518,611	197: 1,518,841
52.4: 1,518,374	81: 1,519,309	9: 1,518,500	297: 1,518,935	1,518,629	19: 1,518,841
56.4: 1,518,882	63: 1,519,076	318: 1,518,719	311: 1,518,264	26: 1,518,920	38: 1,518,856
75: 1,518,820	63: 1,519,076	377: 1,518,257	318: 1,518,719	36: 1,518,247	15: 1,518,487
93: 1,518,470	64: 1,518,354	377: 1,518,257	377: 1,518,257	1: 1,518,456	30: 1,518,650
48: 1,519,049	102: 1,518,761	29: 1,518,272	377: 1,518,257	16: 1,518,964	31: 1,518,518
73: 1,518,630	130: 1,518,834	32: 1,518,919	377: 1,518,257	26: 1,518,890	38: 1,518,651
126: 1,518,190	132: 1,518,708	13: 1,518,171	377: 1,518,257	40: 1,518,833	42: 1,518,713
193: 1,518,271	12: 1,518,618	29: 1,518,395	377: 1,518,257	102: 1,518,965	42: 1,518,713
194: 1,518,188	13: 1,518,909	46: 1,518,574	377: 1,518,257	103: 1,518,916	77: 1,518,281
195: 1,518,133	26: 1,518,930	46: 1,518,574	377: 1,518,257	167: 1,518,864	144: 1,518,524
13: 1,518,872	3: 1,518,355	46: 1,518,574	377: 1,518,257	220: 1,519,042	200: 1,519,057
22: 1,518,723	7: 1,518,831	46: 1,518,574	377: 1,518,257	221: 1,518,865	214: 1,518,728
236: 1,519,088	15: 1,518,975	46: 1,518,574	377: 1,518,257	67: 1,518,893	244: 1,519,088
11: 1,518,554	17: 1,518,424	46: 1,518,574	377: 1,518,257	172: 1,518,431	271.1: 1,518,454
20: 1,518,767	36: 1,518,166	46: 1,518,574	377: 1,518,257	284: 1,518,453	272: 1,518,552
61: 1,518,763	48: 1,518,199	46: 1,518,574	377: 1,518,257	308: 1,518,228	283: 1,518,525
69: 1,518,491	119: 1,518,535	46: 1,518,574	377: 1,518,257	358: 1,518,471	317: 1,518,816
73: 1,518,998	126: 1,519,086	46: 1,518,574	377: 1,518,257	39: 1,518,419	2: 1,518,211
10: 1,519,018	9: 1,518,565	46: 1,518,574	377: 1,518,257	42: 1,518,175	252: 1,518,823
90: 1,518,717	10: 1,518,434	46: 1,518,574	377: 1,518,257	54: 1,518,405	347: 1,518,531
97: 1,518,989	10: 1,518,338	46: 1,518,574	377: 1,518,257	56: 1,518,393	23: 1,518,260
100: 1,518,179	13: 1,518,936	46: 1,518,574	377: 1,518,257	58: 1,518,587	54: 1,518,587
109: 1,518,546	24: 1,518,203	46: 1,518,574	377: 1,518,257	8: 1,518,200	21: 1,518,929
131: 1,518,546	57: 1,518,876	46: 1,518,574	377: 1,518,257	40: 1,518,397	24: 1,518,796
134: 1,518,850	77: 1,518,687	46: 1,518,574	377: 1,518,257	11: 1,518,154	157: 1,519,010
135: 1,518,601	97: 1,518,956	46: 1,518,574	377: 1,518,257	13.2: 1,518,469	31: 1,518,349
136: 1,518,523	4: 1,518,316	46: 1,518,574	377: 1,518,257	13.7: 1,518,291	6: 1,518,706
139: 1,518,849	21: 1,518,178	46: 1,518,574	377: 1,518,257	18: 1,518,153	10: 1,518,663
232: 1,518,541	35: 1,518,839	46: 1,518,574	377: 1,518,257	38: 1,518,239	10: 1,518,663
241: 1,518,645	37: 1,518,144	46: 1,518,574	377: 1,518,257	42: 1,518,707	1,519,020
41: 1,518,240	40: 1,518,165	46: 1,518,574	377: 1,518,257	48: 1,518,702	52: 1,518,843
105: 1,518,641	5: 1,518,212	46: 1,518,574	377: 1,518,257	56: 1,518,775	57: 1,519,077
119: 1,518,581	37: 1,518,344	46: 1,518,574	377: 1,518,257	67.1: 1,518,195	132— 13: 1,518,388
131: 1,518,149	40: 1,518,165	46: 1,518,574	377: 1,518,257	68: 1,518,371	37: 1,518,442
131: 1,518,149	5: 1,518,212	46: 1,518,574	377: 1,518,257	51: 1,518,398	49: 1,519,016
131: 1,518,955	1,518,576	46: 1,518,574	377: 1,518,257	54: 1,518,435	83: 1,518,433
		46: 1,518,574	377: 1,518,257	82: 1,518,838	1,518,594
		46: 1,518,574	377: 1,518,257	118: 1,518,896	59: 1,518,917
		46: 1,518,574	377: 1,518,257		78: 1,518,412
		46: 1,518,574	377: 1,518,257		79: 1,518,503
		46: 1,518,574	377: 1,518,257		79: 1,518,412

CLASSIFICATION OF PATENTS.

135-	28: 1,518,927	166-	9: 1,518,644	196-	139: 1,518,555	218-	152: 1,518,147	244-	29: 1,518,621	265-	63: 1,518,205	
44:	1,518,138	21:	1,518,390	197-	6: 1,518,904	219-	4: 1,519,062	246-	128: 1,518,646	266-	30: 1,518,459	
53:	1,518,382	9:	1,518,365	20:	1,519,064	8:	1,519,063	120:	1,518,176	34:	R. 15,960	
136-	38: 1,518,637	12:	1,519,053	126:	1,518,617	220-	9: 1,518,668	187:	1,518,657	268-	4: 1,518,613	
18:	1,518,638	13:	1,518,372	109:	1,518,759	24:	1,518,467	203:	1,518,962	271-	62: 1,518,522	
21:	1,518,885	170-	135: 1,518,544	148:	1,518,951	25:	1,518,326	1:	1,519,041	272-	37: 1,518,288	
53:	1,518,486	159:	1,518,410	175:	1,518,430	61:	1,518,135	36:	1,518,848	79:	1,518,361	
75:	1,518,705	167:	1,518,846	203:	1,518,898	94:	1,518,635	39:	1,518,943	273-	35: 1,519,052	
93:	1,518,593	168:	1,518,501	190-	60: 1,518,858	221-	60: 1,519,065	250-	8: 1,518,655	65:	1,518,448	
104:	1,518,699	171-	95: 1,518,332	200-	11: 1,519,059	122:	1,518,327	17:	1,518,439	86:	1,518,754	
139:	1,518,461	119:	1,518,810	30:	1,518,590	223-	39: 1,518,670	1:	1,518,656	120:	1,518,967	
1:	1,518,586	209:	1,518,591	50:	1,518,789	59:	1,518,304	20:	1,518,682	152:	1,518,519	
138-	16: 1,518,297	309:	1,518,196	50:	1,519,044	6:	1,518,830	41:	1,518,653	46:	1,518,443	
139-	33: 1,519,023	120:	1,518,619	52:	1,519,079	29:	1,518,295	275-	6: 1,518,573	276-	44: 1,518,907	
77:	1,518,427	126:	1,518,273	59:	1,518,680	1:	1,518,223	277-	7: 1,518,636	278-	16: 1,518,880	
92:	1,518,900	274:	1,518,592	67:	1,518,701	225-	21: 1,518,202	113:	1,518,606	33: 2: 1,518,444		
158:	1,518,631	324:	1,518,460	72:	1,518,888	40:	1,518,991	134:	1,518,800	33: 55: 1,518,517		
195:	1,519,008	332:	1,518,639	141:	1,518,979	226-	2: 1,518,558	137:	1,518,775	49:	1,518,497	
208:	1,519,001	334:	1,518,732	166:	1,519,089	14:	1,518,556	144:	1,518,233	97:	1,518,681	
251:	1,518,392	335:	1,518,436	202-	4: 1,518,322	16:	1,518,481	155:	1,518,307	112:	1,518,937	
270:	1,518,230	346:	1,518,383	9:	1,518,450	25:	1,518,921	157:	1,518,221	263-	57: 1,518,280	
272:	1,518,231	361:	1,518,795	9:	1,518,938	39:	1,518,226	159:	1,518,180	285-	24: 1,518,380	
9:	1,518,484	183:	1,518,268	204-	1: 1,518,622	57:	1,518,310	3:	1,518,289	77:	1,519,096	
141-	32: 1,518,198	338:	1,518,612	5: 1,518,543	9:	1,519,035	116:	1,518,446	97:	1,518,274	86:	1,518,778
142-	307: 1,518,709	7:	1,518,399	25:	1,518,792	12:	1,518,318	97:	1,518,274	90:	1,518,368	
143-	33: 1,518,488	314:	1,518,948	29:	1,518,508	5:	1,518,303	1:	1,518,600	124:	1,519,047	
144-	60: 1,518,676	329:	1,518,366	64:	1,518,416	60:	1,519,025	22:	1,519,069	129:	1,518,479	
145-	102: 1,518,474	337:	1,518,539	1:	1,518,814	229-92: 1:	1,518,183	38:	1,518,605	150:	1,519,095	
1:	1,518,537	44:	1,518,495	38:	1,518,301	230-	11: 1,518,455	78:	1,518,769	181:	1,519,097	
147-	1: 1,518,993	178-	2: 1,518,683	64:	1,518,416	234-27: 5:	1,518,214	102:	1,518,490	287-	53: 1,518,716	
148-	12: 1,518,730	179-	15: 1,518,401	1:	1,519,058	235-	60: 1,518,478	149:	1,518,724	33-	1,518,960	
149-	15: 1,518,607	18:	1,518,736	205-	14: 1,518,714	61:	1,518,172	255-	1: 1,518,634	291-	34: 1,518,215	
150-	19: 1,518,596	27:	1,518,815	206-	22: 1,518,933	89:	1,519,015	23:	1,518,325	292-	78: 1,518,911	
151-	8: 1,518,918	81:	1,518,440	44:	1,518,219	125:	1,518,476	29:	1,518,370	92:	1,518,187	
35:	1,518,773	164:	1,518,859	1:	1,518,764	144:	1,518,244	42:	1,518,347	114:	1,518,429	
45:	1,519,066	171:	1,518,621	56:	1,519,000	41:	1,518,661	45:	1,518,384	141:	1,518,412	
152-	1: 1,518,746	175:	1,518,625	57:	1,519,000	42:	1,518,932	46:	1,518,250	175:	1,518,140	
8:	1,518,962	189:	1,518,751	41:	1,518,661	26:	1,518,924	71:	1,518,492	194:	1,518,526	
14:	1,518,515	171:	1,518,621	42:	1,518,932	44:	1,518,162	74:	1,519,039	198:	1,518,643	
16:	1,518,781	180-	9: 1: 1,518,465	55:	1,518,136	79:	1,518,594	256-	16: 1,518,772	293-	55: 1,518,381	
17:	1,518,529	17:	1,518,294	42:	1,518,932	57:	1,518,686	257-	25: 1,518,777	1:	1,518,414	
21:	1,518,693	81:	1,518,033	55:	1,518,136	62:	1,518,642	129:	1,518,493	1:	1,518,753	
24:	1,518,466	90:	1,518,139	57:	1,518,686	79:	1,518,145	173:	1,518,700	294-	36: 1,518,251	
54:	1,518,721	183-	2: 5: 1,518,784	155:	1,518,972	237-	1: 1,519,011	241:	1,518,669	49:	1,518,246	
153-	1: 1,518,245	81:	1,518,152	165:	1,518,980	238-	3: 1,518,616	8:	1,518,648	82:	1,518,662	
154-	1: 1,518,245	115:	1,518,255	8: 1,518,208	207:	1,518,482	208:	1,518,871	259-	72: 1,518,202		
1:	1,518,513	184-	45: 1,518,675	14:	R. 15,958	208:	1,518,871	224:	1,518,667	109:	1,518,418	
9:	1,518,237	187-	9: 5: 1,518,780	1:	1,518,148	224:	1,518,667	269:	1,518,387	131:	1,518,284	
24:	1,518,671	29:	1,518,902	26:	1,518,216	269:	1,518,387	304:	1,518,870	29:	1,518,847	
147:	1,519,078	31:	1,518,313	32:	1,518,749	315:	1,518,510	329:	1,518,472	49:	1,518,710	
19:	1,518,245	115:	1,518,255	42:	1,518,757	330:	1,518,903	1:	1,518,678	119:	1,518,597	
20:	1,518,363	184-	45: 1,518,675	19:	1,518,242	1:	1,518,678	127:	1,518,689	133:	1,518,732	
22:	1,518,963	187-	9: 5: 1,518,780	30:	R. 15,961	3:	1,518,265	144:	1,519,017	156:	1,518,339	
23:	1,518,441	29:	1,518,902	43:	1,518,389	7:	1,518,787	166:	1,518,182	39:	1,518,559	
24:	1,519,074	31:	1,518,313	82:	1,518,874	8: 5: 1,518,530	166:	1,518,182	41:	1,519,081		
27:	1,518,252	39:	1,518,704	121:	1,518,300	44:	1,518,155	31:	1,518,595	77:	1,518,595	
33:	1,518,524	78:	1,518,598	152:	1,518,299	61:	1,518,229	114:	1,518,785	5:	1,518,809	
158-	27: 1,518,404	83:	1,518,379	1:	1,518,278	85:	1,518,768	5:	1,518,809	19:	1,518,505	
36:	1,518,906	109:	1,518,770	18:	1,518,743	103:	1,519,071	30:	1,518,333	8:	1,518,323	
42: 3:	1,518,298	112:	1,518,357	65:	1,518,560	62:	1,518,827	12:	1,518,193	15:	1,518,258	
56:	1,518,837	194:	1,518,860	145:	1,518,314	64:	1,518,428	48:	1,518,818	303-	21: 1,518,249	
63:	1,518,895	189-	74: 1,518,632	2:	1,519,026	70:	1,518,402	17:	1,519,030	41:	1,518,677	
70:	1,518,766	191-	3: 1,518,137	8:	1,518,320	21:	1,518,286	11:	1,518,167	36:	1,518,982	
92:	1,518,947	192-	43: 1,518,218	3:	1,518,194							
99:	1,519,056	194-	69: 1,518,604	54:	1,518,987							
104:	1,518,577	196-	88: 1,518,331	69:	1,518,914							
161-	1: 1,518,806	196-	16: 1,518,684	89:	1,518,234							
16:	1,518,811											
164-	43: 1,518,151											
119:	1,518,458											
166-	5: 1,518,696											

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- All-Felt Mattress Co., Indianapolis, Ind. Mattresses. 192,886; Dec. 16; Serial No. 199,594; published Sept. 9, 1924.
- American Blue Stone Co., Warsaw and New York, N. Y. Bluestone treads, stair landings, etc. 192,966; Dec. 16; Serial No. 198,277; published Sept. 30, 1924.
- American Briquet Company, The, Philadelphia, Pa. Coal briquets. 192,918; Dec. 16; Serial No. 201,482; published Sept. 30, 1924.
- American Forge Company, Chicago, Ill. Upset forgings. 192,921; Dec. 16; Serial No. 201,523; published Oct. 7, 1924.
- American Map Company. (See Andrews, Lewis M.)
- American Tripoli Company, Seneca, Mo. Tripoli flour (ground tripoli stone). 192,871; Dec. 16; Serial No. 200,171; published Sept. 30, 1924.
- American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Gloves, mittens, gauntlets, and mitts. 193,107; Dec. 16.
- Andrews, Lewis M., doing business as American Map Company, New York, N. Y. Maps and atlases. 193,134; Dec. 16.
- Andrick, Joseph, Ridgway, Pa. Garment sleeve protectors. 193,151; Dec. 16.
- Appleton Company, Lowell, Mass. Cotton piece goods. 192,861; Dec. 16; Serial No. 201,275; published Sept. 30, 1924.
- Art Craft Fixture Co., Newark, N. J. Lighting fixtures. 193,053; Dec. 16; Serial No. 195,855; published Sept. 30, 1924.
- Associated Oil Company, San Francisco, Calif. Soap, washing fluid, scouring powder, and cleaning solution. 192,874; Dec. 16; Serial No. 200,029; published Sept. 9, 1924.
- Atlas Fluid Company, The. (See Miller, William.)
- Atlas Limestone Cement Company, The, Baltimore, Md., and New York, N. Y. Cement. 192,958; Dec. 16; Serial No. 200,702; published Sept. 30, 1924.
- Auto Parts Company. (See Frank, H. G. John.)
- Aycock Hosiery Mills, South Pittsburg, Tenn. Hosiery. 193,086; Dec. 16; Serial No. 200,351; published Sept. 30, 1924.
- Baker, Clara B., Colorado Springs, Colo. Confections. 192,876; Dec. 16; Serial No. 199,971; published Sept. 30, 1924.
- Baldwin, George E., doing business as Mongrel Pup Company, Seattle, Wash. Sirup used in the preparation of soft drinks. 193,094; Dec. 16; Serial No. 200,844; published Oct. 7, 1924.
- Banner Accessory Mfg. Co. (See Bosley, Allen E.)
- Barnes Scale Company, Detroit, Mich. Weighing scales. 192,961; Dec. 16; Serial No. 200,804; published Oct. 7, 1924.
- Baron Bros. Millinery Company, Dallas, Tex. Hats for women and children. 193,135; Dec. 16.
- Bath, John, & Company, Inc., Worcester, Mass. Taps and dies. 192,947; Dec. 16; Serial No. 200,239; published Sept. 30, 1924.
- Bennison & Treanor, doing business as King Cole Co., Los Angeles, Calif. Nonalcoholic maltless beverage. 193,026; Dec. 16; Serial No. 200,543; published Oct. 7, 1924.
- Bennett & Royalty, Dyer, Ky. Medicines, vermifuge, ointments, hair tonic, etc. 193,126; Dec. 16.
- Benz Toilet Products, Inc., Syracuse, N. Y. Powders, face creams, compacts, lip sticks, rouges, toilet waters, perfumes. 193,129; Dec. 16.
- Berg, Frederick O., doing business as F. O. Berg Company, Spokane, Wash. Tables, chairs, stools, and wardrobes. 192,995; Dec. 16; Serial No. 189,351; published Sept. 23, 1924.
- Berlingieri, Raffaele G., New York, N. Y. Testing instrument for wooden and silken materials. 192,956; Dec. 16; Serial No. 200,606; published Sept. 30, 1924.
- Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Smoking tobacco. 193,139; Dec. 16.
- Bloomberg Millinery Co., Inc., Richmond, Va. Ladies' hats. 193,084; Dec. 16; Serial No. 200,242; published Sept. 20, 1924.
- Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 192,863; Dec. 16; Serial No. 201,388; published Sept. 30, 1924.
- Böhm, Conrad R., Berlin-Wilmersdorf, Germany. Medicaments to heal and prevent diseases of the skin and the tissues. 193,008; Dec. 16; Serial No. 196,851; published Sept. 9, 1924.
- Bosley, Allen E., doing business as Banner Accessory Mfg. Co., St. Louis, Mo. Fan-pulley rims. 193,115; Dec. 16.
- Boston Confectionery Company, Cambridge, Mass. Chocolates. 193,043; Dec. 16; Serial No. 145,935; published Oct. 7, 1924.
- Boy Scouts of America, New York, N. Y. Section of a magazine. 192,902; Dec. 16; Serial No. 199,877; published Sept. 23, 1924.
- Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 192,887; Dec. 16; Serial No. 199,529; published Sept. 30, 1924.
- Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 192,888; Dec. 16; Serial No. 199,527; published Sept. 30, 1924.
- Bridges, Hazel M., assignor to Silux Company, Malden, Mass. Glass, including articles made of glassware. 193,108; Dec. 16.
- Brown & Bigelow, St. Paul, Minn. Greeting and mailing cards, newspaper publications, booklets. 192,980; Dec. 16; Serial No. 196,574; published Sept. 30, 1924.
- Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Closet seats. 192,922; Dec. 16; Serial No. 201,535; published Oct. 7, 1924.
- Hubb, Geo., & Sons, Williamsport, Pa. Canned goods, coffee, etc. 192,909; Dec. 16; Serial No. 185,003; published Sept. 23, 1924.
- Bunte Brothers, Chicago, Ill. Candy. 192,864; Dec. 16; Serial No. 201,390; published Sept. 30, 1924.
- Burglund, Benjamin N., assignor to Radex Company, Inc., Seattle, Wash. Electrical therapeutical appliances. 192,873; Dec. 16; Serial No. 200,034; published Sept. 30, 1924.
- Burns Company, The, New York, N. Y. Savings banks. 192,930; Dec. 16; Serial No. 202,000; published Oct. 7, 1922.
- Burns, George J., Youngstown, Ohio. Lubricating oils. 193,018; Dec. 16; Serial No. 159,780; published Oct. 7, 1922.
- Buterbaugh, Linus E., Commodore, Pa. Medicine for quinsy. 193,125; Dec. 16.
- Cairo & Menacel, Brooklyn, N. Y. Olive oil. 193,009; Dec. 16; Serial No. 196,691; published Sept. 30, 1924.
- Carlo Fabbriotti e B. Fabbriotti e Figli, Carrara, Italy. Marble and stone. 192,972-5; Dec. 16; Serial Nos. 197,473-6; published Sept. 30, 1924.
- Carrier Construction Company, Inc., Newark, N. J. Tubular radiators or heaters. 192,857; Dec. 16; Serial No. 201,176; published Sept. 30, 1924.
- Cedar Falls Cannery Co., Cedar Falls, Iowa. Canned vegetables. 192,102; Dec. 16; Serial No. 201,538; published Oct. 7, 1924.
- Chivers & Sons, Limited, Histon, Cambridge, England. Marmalade. 193,039; Dec. 16; Serial No. 191,166; published Oct. 7, 1924.
- Christensen, John, St. Paul, Minn. Waterproof aprons. 193,004; Dec. 16; Serial No. 198,288; published Sept. 30, 1924.
- Churchill, O. H., Co., Los Angeles, Calif. Fresh grapes. 192,862; Dec. 16; Serial No. 201,329; published Sept. 30, 1924.
- Cinderella

Craft, Arthur C., Kansas City, Mo., Chocolates and candies. 192,858; Dec. 16; Serial No. 201,225; published Sept. 30, 1924.

Cushman Chuck Company, The, Hartford, Conn., Chucks. 193,088; Dec. 16; Serial No. 200,481; published Oct. 7, 1924.

Daily Trade Record Co. of New York, New York, N. Y., Newspaper articles in box form. 192,979; Dec. 16; Serial No. 197,418; published Aug. 26, 1924.

Daly, John J., Boston, Mass., Shoes. 193,077; Dec. 16; Serial No. 200,136; published Sept. 30, 1924.

Danville Wholesale Grocery Co., Danville, Ill., Canned vegetables. 193,013; Dec. 16; Serial No. 173,408; published Feb. 12, 1924.

Dayton Pump & Manufacturing Co., Dayton, Ohio, Pumps, water systems, and tanks. 192,959; Dec. 16; Serial No. 200,751; published Sept. 30, 1924.

De Bruyn, Marius, doing business as M. de Bruyn Importing Co., New York, N. Y., Canned sardines. 193,024; Dec. 16; Serial No. 200,671; published Oct. 7, 1924.

Dehner, Andy, Cigar Co., Burlington, Iowa, Cigars. 193,045; Dec. 16; Serial No. 201,948; published Oct. 7, 1924.

Denver Leather Co., The, Denver, Colo., Leather. 192,978; Dec. 16; Serial No. 197,420; published Sept. 30, 1924.

Des Moines Saddlery Company, Des Moines, Iowa, Harness and horse collars. 193,010; Dec. 16; Serial No. 195,502; published July 1, 1924.

Detroit Commerce Company, Detroit, Mich., Canned evaporated and condensed milk. 193,059; Dec. 16; Serial No. 193,995; published Sept. 30, 1924.

Detroit Packing Company, Detroit, Mich., Fresh beef. 192,997; Dec. 16; Serial No. 199,682; published Oct. 7, 1924.

Dodman, A. C., Jr., Inc., Hoboken, N. J., Wall paper. 192,962-3; Dec. 16; Serial Nos. 200,867-8; published Sept. 30, 1924.

Doubleday Page Book Shop Company, Garden City, N. Y., Leaflets, books, etc. 192,910; Dec. 16; Serial No. 188,106; published Sept. 23, 1924.

Drug Products Co., Inc., The, Long Island City, N. Y., Medicinal preparation for high blood pressure, etc. 193,093; Dec. 16; Serial No. 200,714; published Sept. 16, 1924.

Du Bois, Edgar H., doing business as The Great Swiss Candy Mfg. Co., Chicago, Ill., Candy. 193,104; Dec. 16; Serial No. 201,699; published Oct. 7, 1924.

Dvorkin Bros., New York, N. Y., Men's and young men's suits and topcoats. 193,076; Dec. 16; Serial No. 199,978; published Sept. 30, 1924.

Ean, Marjorie W., doing business as Withe Mitt Company, New York, N. Y., Chemically-treated gauze mit. 192,867; Dec. 16; Serial No. 198,795; published Sept. 30, 1924.

Earl Fruit Company, San Francisco, Calif., Fresh deciduous fruits, citrus fruits, bananas. 193,149; Dec. 16; Serial No. 201,431; published Oct. 7, 1924.

Eastman Kodak Company, Rochester, N. Y., Sensitized photographic paper. 192,915; Dec. 16; Serial No. 201,431; published Oct. 7, 1924.

Eastman Mfg. Co., Inc., Union City, Pa., Children's desks. 193,133; Dec. 16.

Eaton Axle & Spring Company, Cleveland, Ohio, Automobile bumpers and bumper fittings. 192,992; Dec. 16; Serial No. 185,904; published Sept. 30, 1924.

Elcat Rubber Company, The, Cuyahoga Falls, Ohio, Rubber tires. 192,924; Dec. 16; Serial No. 201,656; published Sept. 30, 1924.

Economies Laboratory, Incorporated, St. Paul, Minn., Cleaning compound for rugs, carpets, and the like. 193,072; Dec. 16; Serial No. 189,769; published Sept. 30, 1924.

Elmer Candy Company, Inc., New Orleans, La., Candy. 193,136; Dec. 16.

Esmond Mills, The, Esmond, Smithfield, R. I., Cotton bath-robe and lounging-robe blankets in the piece. 192,981; Dec. 16; Serial No. 196,052; published June 24, 1924.

Exchange Buffet Corporation, New York, N. Y., Beverage sold as a soft drink. 193,032; Dec. 16; Serial No. 198,298; published Oct. 7, 1924.

Ferbeck, Henry, San Francisco, Calif., Polishing cloth for gold, silver, brass, etc. 192,942; Dec. 16; Serial No. 198,998; published Sept. 30, 1924.

Fish Net & Twine Company, The, Jersey City, N. J., Linen and fish netting. 193,153; Dec. 16.

Fisk Rubber Company, The, Chicopee Falls, Mass., Rubber tubes. 192,846; Dec. 16; Serial No. 200,932; published Sept. 30, 1924.

Fliller, Edwin H., Company, The, Philadelphia, Pa., Manila rope and cable. 192,881; Dec. 16; Serial No. 199,747; published Sept. 30, 1924.

Fleischer, L. & Sons, Cincinnati, Ohio, Narrow braided and woven elastic. 193,127; Dec. 16.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo., Spices. 193,029; Dec. 16; Serial No. 200,193; published Oct. 7, 1924.

Fox Trading Company, Inc., New York, N. Y., Animal skins. 192,853; Dec. 16; Serial No. 201,082; published Sept. 30, 1924.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex., Speedometers and air and oil pressure gauges. 193,061; Dec. 16; Serial No. 193,225; published Sept. 30, 1924.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex., Vehicle axles and wheels, automobile radiators, etc. 193,062; Dec. 16; Serial No. 193,222; published Sept. 30, 1924.

Frost, Alfred W., New York, N. Y., Fresh fruits and vegetables. 193,031; Dec. 16; Serial No. 198,856; published Oct. 7, 1924.

Gardner, Estella M., doing business as Vivo Blood-Life Co., Boston, Mass., Blood purifier, a remedy for high blood pressure, and a tonic. 193,003; Dec. 16; Serial No. 199,056; published Sept. 2, 1924.

Gardner Governor Company, The, Quincy, Ill., Speed and pressure regulators, pumps, etc. 192,878; Dec. 16; Serial No. 199,780; published Sept. 30, 1924.

Garlock Packing Company, The, Palmyra, N. Y., Packing and packing material. 193,140-5; Dec. 16.

Garlock Packing Company, The, Palmyra, N. Y., Packing and packing material. 193,147-8; Dec. 16.

Gibbs, D. & W., Limited, London, England, Toilet creams, toilet and shampoo powders, dentifrices, and preparations for the hair. 193,132; Dec. 16.

Gilchrist and Company, Chicago, Ill., Steam boiler furnaces and parts thereof. 193,150; Dec. 16.

Glazer, Max, doing business as M-G Bottling Works, Dallas, Tex., Beverage sold as a soft drink. 193,161; Dec. 16.

Globe Phone Manufacturing Company, Reading, Mass., One-way telephones and car phones, stethoscopes, and parts thereof. 192,984; Dec. 16; Serial No. 168,637; published Oct. 7, 1924.

Goodell-Pratt Company, Greenfield, Mass., Breast, bench, and hand drills. 192,988; Dec. 16; Serial No. 176,020; published June 26, 1923.

Goodman, D. & Co., New York, N. Y., Men's outer apparel. 193,112; Dec. 16.

Gottlieb Bros., New York, N. Y., Knitting pins, crochet hooks, hand sewing needles, thimbles, etc. 192,985; Dec. 16; Serial No. 175,012; published Sept. 23, 1924.

Grady Mfg. Co., The, Long Island City, N. Y., Metal pushers. 192,898; Dec. 16; Serial No. 200,442; published Sept. 23, 1924.

Grady Mfg. Co., The, Long Island City, N. Y., Metal pushers. 192,950; Dec. 16; Serial No. 200,441; published Sept. 30, 1924.

Gram Headwear Mfg. Co., St. Louis, Mo., Caps, coats, etc. 193,023; Dec. 16; Serial No. 166,069; published Sept. 30, 1924.

Grand Central Wicker Shop, Inc., New York, N. Y., Wicker furniture. 192,865; Dec. 16; Serial No. 198,568; published Sept. 9, 1924.

Great Swiss Candy Mfg. Co., The, (See Du Bois, Edgar H.)

Gritzer & Ditzel, Chicago, Ill., Sweetmeats. 193,016; Dec. 16; Serial No. 131,367; published Sept. 30, 1924.

Grocers' Magazine Company, (See Pillsbury, Edwin B.)

Guthrie, E. Co., Paducah, Ky., Ladies' gloves, hosiery, and dresses. 193,110; Dec. 16.

Hamilton, Carol E., doing business as The Ride Air Company, Los Angeles, Calif., Inserts for leaf springs of motor vehicles. 192,847; Dec. 16; Serial No. 200,935; published Sept. 30, 1924.

Hamilton, Lushans, Silver City, Miss., Liniment. 193,130; Dec. 16.

Hammond Standish & Co., Detroit, Mich., Hams and bacon. 192,996; Dec. 16; Serial No. 199,696; published Oct. 7, 1924.

Hanley, E. M. & Co., New York, N. Y., Knit underwear and hosiery. 193,075; Dec. 16; Serial No. 199,783; published Sept. 30, 1924.

Harney, Gerald B., Los Angeles, Calif., Motion-picture films. 192,991; Dec. 16; Serial No. 184,553; published Sept. 30, 1924.

Hart Manufacturing Company, The, Cleveland, Ohio, Dies, diestocks, and screw-threading tools. 193,111; Dec. 16.

Hayes-Meserole Mfg. Co., Inc., The, Milford, Conn., Hair curlers. 192,965; Dec. 16; Serial No. 198,407; published Sept. 9, 1924.

Hay's Fruit Juice Company, Portland, Me., Fruit sirup. 193,155; Dec. 16.

Helmick, Dwight M., Columbus, Ohio, Fertilizers. 192,927; Dec. 16; Serial No. 201,847; published Oct. 7, 1924.

Henry-Brown Company, Inc., Glendale, Calif., Beverage and sirups used in the preparation of same. 193,156; Dec. 16.

Hersom, Thomas, & Company, New Bedford, Mass., Fertilizer. 193,117; Dec. 16.

Hobert-Stone Company, The, Cleveland, Ohio, Overall. 192,999; Dec. 16; Serial No. 199,619; published Sept. 30, 1924.

Home Makers of the World, Chicago, Ill., Publications. 192,904-5; Dec. 16; Serial Nos. 198,410-11; published Sept. 23, 1924.

Home Mfg. Company, The, (See Melnhardt, H. & Co.)

Hoyt Heater Company, Vernon, Calif., Water heaters. 192,859; Dec. 16; Serial No. 201,240; published Sept. 30, 1924.

Hynes and Daly, O'Neill, Nebr., said Hynes assignor to said Daly, Mittens and gloves. 192,994; Dec. 16; Serial No. 188,243; published Sept. 16, 1924.

Ide, Geo. P. & Co., Inc., Troy, N. Y., Men's underwear. 193,100; Dec. 16; Serial No. 201,451; published Sept. 30, 1924.

International Guide Publishing Co., Minneapolis, Minn., Route guide books. 192,951; Dec. 16; Serial No. 200,449; published Sept. 30, 1924.

International Magazine Company, Inc., New York, N. Y., Monthly magazine. 192,880; Dec. 16; Serial No. 199,751; published Sept. 30, 1924.

Iron Closet Bend Co., Morristown, N. J., Plumbing-pipe connections. 192,957; Dec. 16; Serial No. 200,682; published Sept. 30, 1924.

Jackle-Klothes, Inc., Brooklyn, N. Y., Boys' middy suits, blouses, pants, etc. 193,059; Dec. 16; Serial No. 200,499; published Sept. 30, 1924.

Jell, A. M., Manufacturing Co., Lexington, Ky., Lingerie, kimonos, and wash dresses. 193,012; Dec. 16; Serial No. 183,574; published Sept. 30, 1924.

Johansen Bros. Shoe Company, St. Louis, Mo., Shoes. 193,002; Dec. 16; Serial No. 199,353; published Sept. 30, 1924.

Kastens, Henry, New York, N. Y., Time-dating stamps. 192,952; Dec. 16; Serial No. 200,500; published Sept. 30, 1924.

Kauffman, Henry, Bayonne, N. J., Publications. 193,071; Dec. 16; Serial No. 190,019; published Sept. 30, 1924.

Kechn Brothers, Chicago, Ill., Shoes. 193,163; Dec. 16.

Keche Preserving Co., Clay City, Ind., Mint sauce. 193,051; Dec. 16; Serial No. 200,948; published Oct. 7, 1924.

Kibbe Brothers Company, Springfield, Mass., Coconut candy. 193,036; Dec. 16; Serial No. 196,123; published Oct. 7, 1924.

King Cole Co., (See Benneson & Treanor.)

Kirstin, A. J., Company, Escanaba, Mich., Gasoline gauges. 192,854; Dec. 16; Serial No. 201,146; published Oct. 7, 1924.

Kreder-Creveling Shoe Co., Boston, Mass., Boots and shoes. 193,092; Dec. 16; Serial No. 200,684; published Oct. 7, 1924.

Lamb Machine Company, Hoquiam, Wash., Logging blocks and parts, line rollers and spools, etc. 193,105; Dec. 16.

Lang Knitting Mills, Inc., New York, N. Y., Knitted silk fabrics. 192,848-9; Dec. 16; Serial Nos. 200,995-6; published Sept. 30, 1924.

Lang Knitting Mills, Inc., New York, N. Y., Knitted silk fabrics. 192,850; Dec. 16; Serial No. 200,998; published Sept. 30, 1924.

Laurent, Anselme, Lyon, France, Machinery packing. 192,916; Dec. 16; Serial No. 201,457; published Sept. 30, 1924.

Lavino, E. J., and Company, Philadelphia, Pa., Chrome ore. 192,925; Dec. 16; Serial No. 201,759; published Sept. 30, 1924.

Lavino, E. J., and Company, Philadelphia, Pa., Chrome ore. 192,926; Dec. 16; Serial No. 201,761; published Sept. 30, 1924.

Lavy, Chas. & Co., Hamburg, Germany, Rugs, tie cloth in the piece, shawls and scarfs used as draperies, table linen, tablecloths. 193,067; Dec. 16; Serial No. 191,633; published Sept. 30, 1924.

Lavy, Chas. & Co., Hamburg, Germany, Rugs, tie cloth in the piece, shawls and scarfs used as draperies, table linen, tablecloths. 193,069; Dec. 16; Serial No. 191,328; published Sept. 30, 1924.

Lebers, Ernest, New York, N. Y., Eggs. 192,860; Dec. 16; Serial No. 201,246; published Sept. 30, 1924.

Lederer, Herbert B., Corp., New York, N. Y., Cotton piece goods. 192,953; Dec. 16; Serial No. 200,501; published Sept. 30, 1924.

Levi, H. & Co., Kansas City, Mo., Underwear, hosiery, and work clothing. 193,014; Dec. 16; Serial No. 156,967; published Sept. 30, 1924.

Liberty & Co. Ltd., London, England, Silk piece goods. 193,158; Dec. 16.

Little Red Wagon Mfg. Co., The, Omaha, Nebr., Elevating graders. 193,116; Dec. 16.

Livsey, Anthony S., New York, N. Y., Fresh limes. 193,050; Dec. 16; Serial No. 201,199; published Oct. 7, 1924.

Long, Herbert C., San Francisco, Calif., Table sirups. 193,164; Dec. 16; Serial No. 198,319; published Sept. 30, 1924.

Lorraine Manufacturing Company, Pawtucket, R. I., Cotton and silk goods and wool and silk goods in the piece. 193,146; Dec. 16.

Lowden, Harry O., as executor of the last will of George W. Lowden, deceased, Savannah, Ga., Canned oysters. 193,037; Dec. 16; Serial No. 194,724; published Sept. 30, 1924.

Lukinovich, Jerome, New Orleans, La., Mops and brooms. 192,877; Dec. 16; Serial No. 199,844; published Sept. 2, 1924.

M-G Bottling Works, (See Glazer, Max.)

MacDonaghey, H. E., San Francisco, Calif., Chewing gum and candy. 193,033; Dec. 16; Serial No. 197,672; published Oct. 7, 1924.

Macfarlane, Emilie, Honolulu, Hawaii, and San Francisco, Calif., Marmalades, jams, jellies, etc. 193,028; Dec. 16; Serial No. 200,503; published Oct. 7, 1924.

Mailoch Knitting Mills, Grand Rapids, Mich., Hosiery. 193,091; Dec. 16; Serial No. 200,629; published Sept. 30, 1924.

Manges, Simon, & Son, Inc., New York, N. Y., Floorings. 192,855; Dec. 16; Serial No. 201,149; published Sept. 30, 1924.

Manning Abrasive Company Incorporated, Troy, N. Y., Abrasive paper and cloth and combination of abrasive paper and cloth. 192,894; Dec. 16; Serial No. 201,004; published Sept. 23, 1924.

Märkische Maschinenbau-Anstalt "Teutonia" Gesellschaft mit beschränkter Haftung, Frankfurt on the Oder, Germany, Cream separators and churns. 193,007; Dec. 16; Serial No. 196,922; published Oct. 7, 1924.

Marshall Field & Company, Chicago, Ill., Suspenders, arm bands, and men's belts. 193,022; Dec. 16; Serial No. 165,942; published Nov. 27, 1923.

Marvel Carburetor Company, Flint, Mich., Gasoline gauges. 193,109; Dec. 16.

Maskin-och Brobyggnads Aktiebolaget, Helsingfors, Finland, Cream separators. 193,095-6; Dec. 16; Serial Nos. 200,353-4; published Oct. 7, 1924.

McCurdy, Vivian T., Santa Clara, Calif., Fresh pears and apples. 193,073; Dec. 16; Serial No. 199,709; published Oct. 7, 1924.

McLannan, Frank W., doing business as F. W. McLannan & Son, Lawrence, Mass., Leather belting. 192,990; Dec. 16; Serial No. 184,210; published Sept. 16, 1924.

Mendor and Young, Nashville, Tenn., Coal. 192,964; Dec. 16; Serial No. 200,890; published Sept. 30, 1924.

Medal Brick & Tile Co., The, Cleveland, Ohio, Brick. 192,945; Dec. 16; Serial No. 200,212; published Sept. 30, 1924.

Melnhardt, H. & Co., also doing business as The Home Mfg. Company, Chicago, Ill., Malt extract for food purposes. 193,052; Dec. 16; Serial No. 200,891; published Oct. 7, 1924.

Michigan Elevator Exchange, Lansing, Mich., Beans. 192,970; Dec. 16; Serial No. 197,493; published Sept. 30, 1924.

Mid-West Metal Products Co., Muncie, Ind., Metallic mounting strips for switch boxes and metallic lath holders. 193,160; Dec. 16.

Miller, Helen D., doing business as Richard G. Miller Estate, Falfurrias, Tex., Fresh oranges and grapefruits. 193,041; Dec. 16; Serial No. 174,525; published Oct. 7, 1924.

Miller, William, doing business as The Atlas Fluid Company, Cincinnati, Ohio, Embalming fluid. 193,154; Dec. 16.

Mitchell, Frank P., doing business as Mitchell Laboratory, Battle Creek, Mich., Chewing gum. 193,120; Dec. 16.

Mongrel Pup Company, (See Baldwin, George E.)

Montgomery, William E., Boston, Mass., Eyeglass receptacles. 193,038; Dec. 16; Serial No. 192,717; published Oct. 7, 1924.

Morris, Emil, Detroit, Mich., Razor strops. 192,899; Dec. 16; Serial No. 200,405; published Sept. 23, 1924.

Morris Run Coal Mining Company, Wilkes-Barre, Pa., Coal. 193,162; Dec. 16.

Morse, C. C., & Co., San Francisco, Calif., Grass seed. 192,923; Dec. 16; Serial No. 201,574; published Sept. 30, 1924.

Morton, R. G. & Son, Zanesville, Ohio, Automobile polish. 193,098; Dec. 16; Serial No. 201,150; published Oct. 7, 1924.

Moser Paper Company, Chicago, Ill., Enameled book papers. 192,845; Dec. 16; Serial No. 200,893; published Sept. 30, 1924.

Mouson, J. G., & Co., Frankfurt-on-the-Main, Germany, Face powder and cream. 193,128; Dec. 16.

Murdock & Wilcek, Los Angeles, Calif., Davenport, chairs, couches, etc. 193,070; Dec. 16; Serial No. 190,738; published Sept. 23, 1924.

Nashua Gummed & Coated Paper Company, Nashua, N. H., Waxed or paraffin paper. 192,875; Dec. 16; Serial No. 200,005; published Sept. 16, 1924.

National Dairy Company, The, Toledo, Ohio, Food comprising chocolate liquor, condensed whole milk, and sugar. 193,027; Dec. 16; Serial No. 200,506; published Oct. 7, 1924.

National Department Stores, New York, N. Y., Beds and mattresses. 192,954; Dec. 16; Serial No. 200,510; published Sept. 23, 1924.

National Department Stores, Inc., New York, N. Y., Umbrellas. 192,955; Dec. 16; Serial No. 200,515; published Sept. 30, 1924.

National Glove Company, Columbus, Ohio, Gloves. 193,000-1; Dec. 16; Serial Nos. 199,434-5; published Oct. 7, 1924.

National Paper Products Company, San Francisco, Calif., Toilet-paper fixtures. 193,106; Dec. 16.

National Trading Company, Chicago, Ill., Combination veil and hair nets and veils and hair nets made from natural hair. 192,977; Dec. 16; Serial No. 197,442; published Sept. 30, 1924.

Neuburg, Alfred, New York, N. Y., Soaps. 192,892; Dec. 16; Serial No. 201,369; published Sept. 23, 1924.

New England Textile Corporation, New York, N. Y., Silk fabrics. 193,114; Dec. 16.

New York Toy House, Inc., New York, N. Y., Favors. 193,152; Dec. 16.

Nichols Manufacturing Company, The, Bridgeport, Conn., Shredded elastic. 192,968; Dec. 16; Serial No. 198,024; published Sept. 23, 1924.

Nicolas Lazzoni e Figlio, Carrara, Italy, Marble and stone. 192,971; Dec. 16; Serial No. 197,490; published Sept. 30, 1924.

Nip-O-Products Co., New York, N. Y. Teas. 193,034; Dec. 16; Serial No. 197,553; published Oct. 7, 1924.
 Northern Glove & Mitten Co., Green Bay, Wis. Gloves and mittens. 193,121; Dec. 16.
 Nye Tool & Machine Works, The, Chicago, Ill. Pipe cutters and vises, vise stands, etc. 192,911; Dec. 16; Serial No. 201,972; Oct. 7, 1924.
 Ortega, José M., Alderstone, Surrey, England. Devices for repairing knitted fabric. 192,989; Dec. 16; Serial No. 180,025; published Sept. 2, 1924.
 Osborne Owen Incorporated, Philadelphia, Pa. Hosiery. 193,157; Dec. 16.
 Pacific Spring Company, Oakland, Calif. Bedsprings and coiled-spring supports. 193,064; Dec. 16; Serial No. 192,728; published Sept. 2, 1924.
 Palmer Institute of Authorship, Hollywood, Calif. Prints and publications. 192,883; Dec. 16; Serial No. 199,717; published Sept. 30, 1924.
 Palmerton Bottling Works, Palmerton, Pa. Beverages sold as soft drinks. 193,090; Dec. 16; Serial No. 200,576; published Oct. 7, 1924.
 Paper Manufacturers Co. Inc., Philadelphia, Pa. Tape roll paper. 193,131; Dec. 16.
 Paris, William B., doing business as Shopping Guide Publishing Company, Los Angeles, Calif. Periodical. 192,901; Dec. 16; Serial No. 200,009; published Sept. 23, 1924.
 Parke Corporation, Kalamazoo, Mich. Toilet soap. 192,891; Dec. 16; Serial No. 201,371; published Sept. 23, 1924.
 Patterson, M. F., Dental Supply Company, Chicago, Ill., and St. Paul, Minn. Gold and platinum alloy metal for dental inlays and bridge work. 192,856; Dec. 16; Serial No. 201,155; published Oct. 7, 1924.
 Paxson, J. W., Co., Philadelphia, Pa. Foundry equipment and supplies. 193,054-5; Dec. 16; Serial Nos. 195,123-4; published Sept. 30, 1924.
 Pearce, C. R., Company, The, Pittsburgh, Pa. Candy confection and sugar-coated fruits. 192,985; Dec. 16; Serial No. 193,144; published Apr. 17, 1923.
 Pearce, C. R., Company, The, Pittsburgh, Pa. Candy confections and sugar-coated fruits. 193,042; Dec. 16; Serial No. 173,143; published Apr. 17, 1923.
 Penn Leather Company, Philadelphia, Pa. Hides, skins, and leather. 192,879; Dec. 16; Serial No. 199,760; published Sept. 30, 1924.
 Perlmann, Schel & Stern Inc., New York, N. Y. Canteen pieces, dollies, tablecloths, etc. 193,060; Dec. 16; Serial No. 193,851; published June 10, 1924.
 Perrin, V. & Co., Grenoble, France, and New York, N. Y. Leather gloves. 193,011; Dec. 16; Serial No. 194,942; published Sept. 30, 1924.
 Petersburg Packing Company, Seattle, Wash. Canned fish. 193,124; Dec. 16.
 Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. 193,015; Dec. 16; Serial No. 193,900; published Sept. 30, 1924.
 Pillsbury, Edwin R., doing business as Grocers' Magazine Company, Boston, Mass. Monthly magazine. 192,872; Dec. 16; Serial No. 200,057; published Sept. 30, 1924.
 Pilgrimage, Howard E., doing business as H. E. Pilgrimage Manufacturing Co., assignor to H. E. Pilgrimage Mfg. Co. Inc., Walpole, Mass. Laundry cases, school and commercial bags. 193,025; Dec. 16; Serial No. 200,579; published Sept. 30, 1924.
 Pococo Rubber Cloth Company, Trenton, N. J. Waterproofed fabrics and rubberized fabrics. 192,919; Dec. 16; Serial No. 201,510; published Sept. 30, 1924.
 Premier Syndicate, Inc., The, New York, N. Y. Cartoons. 192,896; Dec. 16; Serial No. 200,727; published Sept. 23, 1924.
 Quincy Show Case Works, Quincy, Ill. Show cases. 192,943; Dec. 16; Serial No. 199,390; published Sept. 23, 1924.
 Quinn, Geo. W., doing business as Trovylene Oil Company, San Francisco, Calif. Gasoline and motor oils. 192,993; Dec. 16; Serial No. 186,926; published July 22, 1924.
 Radex Company. (See Bingham, Benjamin N.)
 Renner Products Company, The, Akron, Ohio. Nonalcoholic malt beverages. 193,099; Dec. 16; Serial No. 201,298; published Oct. 7, 1924.
 Richards, Melvin C., Chicago, Ill. Cartoons. 192,949; Dec. 16; Serial No. 200,281; published Sept. 30, 1924.
 Ride Air Company, The. (See Hamilton, Carol F.)
 Rite Form Corset Co. Inc., The, New York, N. Y. Corsets and brassieres. 193,085; Dec. 16; Serial No. 200,341; published Sept. 30, 1924.
 Riverside Boiler Works, Inc., Cambridge, Mass. Automatic hot-water storage system. 192,866; Dec. 16; Serial No. 198,722; published Sept. 30, 1924.
 Royal Blue Stores, Inc., Chicago, Ill. Canned goods, sauces, tea, coffee, etc. 193,057; Dec. 16; Serial No. 194,488; published Sept. 30, 1924.
 Rudnick, Israel, doing business as I. Rudnick Mfg. Co., Dallas, Tex. Men's fabric hats, work shirts, trousers, etc. 192,906; Dec. 16; Serial No. 198,259; published Sept. 2, 1924.
 Rudolfker's, S. Sons, Philadelphia, Pa. Evening dress suits. 193,087; Dec. 16; Serial No. 200,407; published Sept. 30, 1924.

Rumsey, Clarence W., doing business as Rumsey Products Company, Wheaton, Ill. Preparation for cleaning dirt and grease from the hands. 192,895; Dec. 16; Serial No. 200,900; published Sept. 23, 1924.
 Rusk Oil Co., Philadelphia, Pa. Lubricating oils. 192,982; Dec. 16; Serial No. 196,032; published July 22, 1924.
 Sanitary Company of America, Philadelphia, Pa. Adjustable boiler stands. 192,851; Dec. 16; Serial No. 201,013; published Sept. 30, 1924.
 Sauer, George A., Louisville, Ky. Soap. 192,893; Dec. 16; Serial No. 201,265; published Sept. 23, 1924.
 Schaege, Josephine R., Lexington, Ky. Candles. 193,137; Dec. 16.
 Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports. 192,917; Dec. 16; Serial No. 201,468; published Oct. 7, 1924.
 Scholl Manufacturing Company, Inc., Chicago, Ill. Hosiery. 193,101; Dec. 16; Serial No. 201,467; published Sept. 30, 1924.
 Schumacher Wall Board Corporation, Wilmington, Del., and Los Angeles, Calif. Plaster board. 192,944; Dec. 16; Serial No. 199,394; published Sept. 30, 1924.
 Scientific Products, Inc., Chicago, Ill. Cleansing compound. 192,900; Dec. 16; Serial No. 200,226; published Sept. 23, 1924.
 Sifre, Farris R., Detroit, Mich. Cigarettes. 193,047; Dec. 16; Serial No. 201,820; published Oct. 7, 1924.
 Sharp, Edward, & Sons Ltd., Maldstone, England. Toffees, chocolates, and sweetmeats. 193,017; Dec. 16; Serial No. 153,570; published June 10, 1924.
 Sharpville Roller Works Co., Sharpville, Pa. Storage and pressure tanks. 193,159; Dec. 16.
 Shopping Guide Publishing Company. (See Paris, William B.)
 Silcox Company. (See Bridges, Hazel M., assignor.)
 Simon, Alfred L., & Company, New York, N. Y. Trimming feathers. 192,890; Dec. 16; Serial No. 199,396; published Sept. 16, 1924.
 Simonin's, C. P., Sons, Inc., Philadelphia, Pa. Corn oil. 192,897; Dec. 16; Serial No. 200,530; published Sept. 23, 1924.
 Skimitt Mfg. Co., Oskaloosa, Iowa. Cream siphons. 192,946; Dec. 16; Serial No. 200,229; published Sept. 30, 1924.
 Smith, William H., Newark, N. J. Traveling bags. 193,138; Dec. 16.
 Società nonima Francesco Cinzano & Cia., Turin, Italy. General medicinal tonic. 193,065; Dec. 16; Serial No. 191,919; published Sept. 30, 1924.
 Società Anonima Francesco Cinzano & Cia., Turin, Italy. Nonalcoholic vermouth. 193,066; Dec. 16; Serial No. 191,918; published Sept. 30, 1924.
 Solinger Metallwarenfabrik G. m. b. H., Solingen, Germany. Razors, table knives, scissors, etc. 193,006; Dec. 16; Serial No. 196,937; published Oct. 7, 1924.
 Southern Fruit Producers, Minot, N. Dak. Fresh grapefruit. 193,035; Dec. 16; Serial No. 197,302; published Oct. 7, 1924.
 Spreckels Brothers Commercial Company, San Diego, Calif. Fertilizer. 192,967; Dec. 16; Serial No. 198,261; published Sept. 30, 1924.
 Stafford, Lilly J., Gowanda, N. Y. Combined hoes and cultivators. 192,920; Dec. 16; Serial No. 201,516; published Oct. 7, 1924.
 Stampograph Company, Chicago, Ill. Hand-operated printing devices. 192,928; Dec. 16; Serial No. 201,938; published Oct. 7, 1924.
 Standard Corporation, The, New York, N. Y., assignor to Standard Publishing Company, Chicago, Ill. Periodical and magazine. 192,903; Dec. 16; Serial No. 198,824; published Sept. 23, 1924.
 Standard Publishing Company. (See Standard Corporation, The, assignor.)
 Staub-Richardson Co., Waukesha, Wis. Canned vegetables. 193,103; Dec. 16; Serial No. 201,595; published Oct. 7, 1924.
 Stix, Baer & Fuller Dry Goods Co., St. Louis, Mo. Boys' wash suits. 192,998; Dec. 16; Serial No. 199,656; published Sept. 30, 1924.
 Swenter & Knitted Textile Publicity Bureau, Inc., New York, N. Y. Pamphlets, circulars, and publications. 193,019; Dec. 16; Serial No. 194,990; published Sept. 30, 1924.
 Swenter & Knitted Textile Publicity Bureau, Inc., New York, N. Y. Pamphlets, circulars, and publications. 193,020-1; Dec. 16; Serial Nos. 194,992-3; published Sept. 30, 1924.
 Swift and Company, Chicago, Ill. Sausage. 193,122-3; Dec. 16.
 Taylor, Loron A., East Cleveland, Ohio. Comic serial for newspapers, etc. 192,907; Dec. 16; Serial No. 195,130; published Sept. 23, 1924.
 Textile Publishing Company, New York, N. Y. Publication. 192,908; Dec. 16; Serial No. 188,456; published Sept. 23, 1924.
 Thermotite Construction, Inc., San Jose, Calif. Concrete blocks, bricks, and tile. 192,882; Dec. 16; Serial No. 199,722; published Sept. 30, 1924.
 Trovylene Oil Company. (See Quinn, Geo. W.)
 Two in One Confection Company, Latrobe, Pa. Confection. 193,040; Dec. 16; Serial No. 182,228; published Oct. 7, 1924.

Union Special Machine Company, Chicago, Ill. Sewing machines for closing filled bags. 192,969; Dec. 16; Serial No. 197,846; published Oct. 7, 1924.
 Union Special Machine Company, Chicago, Ill. Sewing machines for closing filled bags. 192,976; Dec. 16; Serial No. 197,461; published Oct. 7, 1924.
 United States Bronze Powder Works, Inc., New York, N. Y. Bronze powders. 192,987; Dec. 16; Serial No. 176,231; published July 24, 1923.
 United States Dental Manufacturing Company, The, Cleveland, Ohio. Root-canal instruments, cleaners, and drills, dental mandrels, etc. 192,929; Dec. 16; Serial No. 201,991; published Oct. 7, 1924.
 United States Packing Company, Halls, Tenn. Canned chick peas. 193,119; Dec. 16.
 Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass. Candy-coating machines, candy pumps, and coolers, etc. 192,885; Dec. 16; Serial No. 199,661; published Oct. 7, 1924.
 Universal Polish Mfg. Co., Dallas, Tex., assignor to Universal Polish Mfg. Co., Wilmington, Del. Shoe dressing and polish. 193,063; Dec. 16; Serial No. 193,009; published Sept. 30, 1924.
 Verteco Manufacturing Company, Somerville, Mass. Portable savings banks. 192,913; Dec. 16; Serial No. 201,418; published Oct. 7, 1924.
 Vivaudon, V., Inc., New York, N. Y. Cosmetic containers. 192,852; Dec. 16; Serial No. 201,016; published Sept. 30, 1924.
 Vivo Blood-Life Co. (See Gardner, Estella M.)
 Walliser, H. F., Company, Chicago, Ill. Fringes, edgings, galloons, etc. 192,983; Dec. 16; Serial No. 195,996; published Sept. 2, 1924.
 Wellston Manufacturing Co., The, Wellston, Ohio. Display stands. 192,889; Dec. 16; Serial No. 199,513; published Sept. 30, 1924.
 Wesely, Chas., Company, Chicago, Ill. Laundry trays. 192,914; Dec. 16; Serial No. 201,419; published Oct. 7, 1924.

Western Sales Agency, Inc., Dallas, Tex. Chemical heat-producing bags. 193,058; Dec. 16; Serial No. 194,425; published Sept. 30, 1924.
 Westfeldt Brothers, New Orleans, La. Green coffees. 192,960; Dec. 16; Serial No. 200,792; published Sept. 30, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 192,868-9; Dec. 16; Serial Nos. 198,902-3; published Sept. 23, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 192,870; Dec. 16; Serial No. 198,905; published Sept. 23, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 192,931-7; Dec. 16; Serial Nos. 198,906-12; published Sept. 23, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 192,938; Dec. 16; Serial No. 198,914; published Sept. 23, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 192,939-40; Dec. 16; Serial Nos. 198,916-7; published Sept. 23, 1924.
 Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 192,941; Dec. 16; Serial No. 198,919; published Sept. 23, 1924.
 Whittier Select Citrus Association, Whittier, Calif. Fresh oranges and lemons. 193,048; Dec. 16; Serial No. 201,789; published Oct. 7, 1924.
 Wile, E. J., & Co., New York, N. Y. Woolen piece goods. 193,056; Dec. 16; Serial No. 194,499; published June 17, 1924.
 Winorr Canning Company, The, Circleville, Ohio. Canned vegetables and berries. 193,049; Dec. 16; Serial No. 201,605; published Oct. 7, 1924.
 Witt Mitt Company. (See Egan, Marjorie W.)
 Wright, A. E., Company, Chicago, Ill. Sandwich filler. 193,074; Dec. 16; Serial No. 199,734; published Oct. 7, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Arthur-Perry Cigar Co., The, Red Lion, Pa. The A and P Cigar. For Cigars. 27,928; Dec. 16.
 Berkball, Andrew, Lakewood, Ohio. Problem Solved. For Cod-Liver-Oil Compound. 27,929; Dec. 16.
 Health Manufacturing Co., Boundbrook, N. J. Health. For Salve. 27,930; Dec. 16.
 Hub Hosiery Mills, Boston, Mass. Lucky Dux. For Infants' Hose. 27,931; Dec. 16.

Meier & Frank Company, Portland, Oreg. All-Oregon. For Fruited Candles. 27,932; Dec. 16.
 Milwaukee Paper Box Company, Milwaukee, Wis. All Southern Fruits. For Candy. 27,933; Dec. 16.
 Scott Paper Company, Chester, Pa. S. P. Co. For Toilet Paper. 27,934; Dec. 16.
 Zonite Products Company, New York, N. Y. Zonite. For Antiseptic, Germ Destroyer, Disinfectant, Deodorant, and Bleach. 27,935; Dec. 16.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. The Age of "Thrills". For Wheat Breakfast Food. 7,603; Dec. 16.
 Cream of Wheat Co., Minneapolis, Minn. Laying The Cornerstone. For Wheat Breakfast Food. 7,604; Dec. 16.
 Eaton, Crane and Pike Company, Pittsfield, Mass. She wrote a letter of introduction for a friend and sealed it. For Eaton's Highland Linen and Crane's Writing Papers. 7,605; Dec. 16.
 Empire Bond and Mortgage Corporation, Wilmington, Del., and New York, N. Y. Empire Thrift Bonds. For Bonds. 7,606; Dec. 16.
 Estey Organ Company, The, Brattleboro, Vt. Schelling called architecture "frozen music." For Pipe Organs. 7,607; Dec. 16.
 Forhan Company, New York, N. Y. Brush Your Teeth With Forhan's For The Gums. For Preparation for the Teeth. 7,608; Dec. 16.
 Heinz, H. J., Company, Pittsburgh, Pa. Why We Advertise The "57." For Heinz Products. 7,609; Dec. 16.
 Heinz, H. J., Company, Pittsburgh, Pa. Who Wants to Cook? For Heinz 57 Varieties. 7,610; Dec. 16.
 Heinz, H. J., Company, Pittsburgh, Pa. A Heinz Meal In the open. For Heinz 57 Varieties. 7,611; Dec. 16.
 Hinds, A. S., Co., Portland, Me. Improve your hands with. For Hinds Honey and Almond Cream. 7,612; Dec. 16.

Hinds, A. S., Co., Portland, Me. So cooling for sunburn. For Hinds Honey and Almond Cream. 7,613; Dec. 16.
 Hinds, A. S., Co., Portland, Me. To have Soft Velvety Skin. For Hinds Honey and Almond Cream. 7,614; Dec. 16.
 Hinds, A. S., Co., Portland, Me. Gives Girlish Beauty. For Hinds Honey and Almond Cream. 7,615; Dec. 16.
 Hinds, A. S., Co., Portland, Me. Housework Makes Rough Hands. For Hinds Honey and Almond Cream. 7,616; Dec. 16.
 Hinds, A. S., Co., Portland, Me. Clean Your Hands. For Hinds Honey and Almond Cream. 7,617; Dec. 16.
 Hinds, A. S., Co., Portland, Me. Vacation Time. For Hinds Honey and Almond Cream. 7,618; Dec. 16.
 Hinds, A. S., Co., Portland, Me. A Clear Complexion. For Hinds Honey and Almond Cream. 7,619; Dec. 16.
 Lorillard, P. Co., Inc., New York, N. Y. Bigger and Better. For Bagpipe Chewing Tobacco. 7,620; Dec. 16.
 Mennen Company, The, Newark, N. J. Mennen Borated Talcum. For Mennen Borated Talcum. 7,621; Dec. 16.
 Ross Manufacturing Co., Kansas City, Mo. Safeguard your home by preventing Clogged Drain Pipes. For Drain-Pipe Solvent. 7,622; Dec. 16.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Coats, vests, trousers, hats, shirts, etc. 186,094; Dec. 16.
Abraham & Straus, Inc., New York, N. Y. Leather and silk gloves. 203,706; Dec. 16.
Adams, George Matthew, Service, The, New York, N. Y. Series of cartoons. 203,993; Dec. 16.
Air Reduction Company, Incorporated, New York, N. Y. Oxyacetylene cutting apparatus. 203,994-5; Dec. 16.
Aktiebolaget Pastill, Gelfe, Sweden. Bronchial tablets and pastils. 202,232; Dec. 16.
American Biscuit Company, San Francisco, Calif. Biscuits. 202,688; Dec. 16.
American Bottlers of Carbonated Beverages, Washington, D. C. Monthly publication. 202,917; Dec. 16.
American Brick Company, Medfield and Boston, Mass. Sand-lime bricks. 203,503; Dec. 16.
American Can Company, New York, N. Y. Cans and like containers. 145,868; Dec. 16.
American Femi-wear Corporation, Cleveland, Ohio. Dresses, skirts, underwear, etc. 203,066; Dec. 16.
American Pharmaceutical Company, The, doing business as Macdonald Laboratories, Memphis, Tenn. Medicinal preparation. 197,578; Dec. 16.
American Soda Water Company, St. Louis, Mo. Beverages sold as soft drinks. 203,778; Dec. 16.
Amusement Publishing Co., Atlantic City, N. J. Weekly magazine. 203,293; Dec. 16.
Art Ivory Manufacturing Co., Inc., New York, N. Y. Hand mirrors and toilet mirrors. 204,648; Dec. 16.
Atlantic Sea Products Co., Brunswick, Ga. Canned shrimp. 192,591; Dec. 16.
Atlas Letter Service, Inc., Chicago, Ill. Monthly publication. 204,139; Dec. 16.
Atlas Plywood Corp., Boston, Mass. Shipping pack. 203,105; Dec. 16.
Automatic Electric Company, Chicago, Ill. Bimonthly Journal. 204,080; Dec. 16.
Automatic Shade Co. (See Warren, Clyde W.).
Ayers, J. Raymond, Everett, Mass. Orthopedic shoes. 202,091; Dec. 16.
B & H Drug Co., The. (See Bransky & Harris.)
B & H Pharmaceutical Co., The. (See Bransky & Harris.)
Bakelite Corporation, New York, N. Y. Mouthpieces for tobacco pipes and cigar and cigarette holders. 198,337; Dec. 16.
Banner Silk Knitting Mills, Inc., The, New York, N. Y. Artificial-silk knitted cloth in the bolt. 204,810; Dec. 16.
Bayley, W. D., trustee, doing business as The E. W. Ross Company, Springfield, Mass. Metal silos. 204,745; Dec. 16.
Beck Hazzard, Inc., New York, N. Y. Boots, shoes, and slippers. 202,921; Dec. 16.
Beck, Wm. & Chas., Inc., Lawrence, Mass. Linen fire hose. 177,540; Dec. 16.
Bessmeyer-Wagoner Inc., Los Angeles, Calif. Canned fruits and vegetables. 204,435; Dec. 16.
Berger Overall Mfg. Co., Chicago, Ill. Kulekerbockers. 204,437; Dec. 16.
Bernheim, William, Oakland, Calif. Weekly magazine. 202,789; Dec. 16.
Besone, Joe, doing business as Besone's Distributing Co., Bakersfield, Calif. Fresh cauloupes, vegetables, grapes, etc. 197,652; Dec. 16.
Best, C. L., Tractor Company, San Leandro, Calif. Tractors. 201,644; Dec. 16.
Big Stone Canning Company, Ortonville, Minn. Canned corn. 201,532; Dec. 16.
Big Three Welding & Equipment Company Inc., The, Fort Worth, Tex. Oxyacetylene welding torches, cutting torches, etc. 200,668; Dec. 16.
Bishop & Company, Los Angeles, Calif. Chocolate candy. 204,536; Dec. 16.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 202,547; Dec. 16.
Bochmann, F. A., & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods. 196,689; Dec. 16.
Bransky & Harris, doing business as The B & H Pharmaceutical Co., Norfolk, Va. Medicines for use in the treatment of blood disorders, etc. 203,250; Dec. 16.
Bransky & Harris, doing business as The B & H Drug Co., Norfolk, Va. Insecticides. 203,251; Dec. 16.
British Celanese Limited, London, England. Hose, half hose, ladies' dresses, etc. 204,084; Dec. 16.
British Cyanides Company, Limited, London, England. Cyanide of soda, ferrocyanides of soda and potash, etc. 200,610; Dec. 16.
Brumalt Co., The. (See Milgram, Nathan.)
Buckeye Products Company, The, Cincinnati, Ohio. Core oils and greases. 202,739; Dec. 16.
Buckley, J. W., Rubber Co., New York, N. Y. Hose, belting, packing, and jar rings. 204,749-51; Dec. 16.
Buhler, Lucille, Vanity Products, Inc., New York, N. Y. Cosmetic cases. 203,108; Dec. 16.

Bunkeril Knitting Company, Malden, Mass. Sweaters and knitted underwear. 204,348; Dec. 16.
Butler, J. W., Paper Co., The, Chicago, Ill. Papers, Bristol board, cardboard, and envelopes. 202,485; Dec. 16.
Calumet Fruit Syrups Co. (See Meyer, Joseph E.)
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Spaghetti. 162,608; Dec. 16.
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Canned tomatoes, corn, peas, and beans. 172,368; Dec. 16.
Cannon Mills, Inc., New York, N. Y. Bedspreads. 202,277; Dec. 16.
Cannon Mills, Incorporated, New York, N. Y. Cotton piece goods. 204,753; Dec. 16.
Carlisle Shoe Company, Carlisle, Pa. Boots and shoes. 204,008; Dec. 16.
Chaffield & Woods Company, The, Cincinnati, Ohio. Writing paper. 203,165; Dec. 16.
Chemische Fabrik Jacobus. (See Jacobus, Sally.)
Circus Sally Company, The, Chicago, Ill. Candy. 187,089; Dec. 16.
Cleveland Automobile Company, Cleveland, Ohio. Lubricating systems for automobiles and parts thereof, etc. 204,218; Dec. 16.
Collins, J. G., Kansas City, Mo. Antifreeze composition for automobile radiators, etc. 203,938; Dec. 16.
Comet Textile Co., Inc., New York, N. Y. Gloves. 202,241; Dec. 16.
Congoleum Company, Inc., New York, N. Y. Rug racks. 201,917; Dec. 16.
Co-operative Chemical Co., St. Louis, Mo. Hose and gasket and plastic cements. 204,014; Dec. 16.
Cornell, Albert, doing business as Koffee-O Cereal Co., Tacoma, Wash. Imitation coffee. 193,140; Dec. 16.
Corona Chemical Company, Inc., New York, N. Y. Disinfectant. 202,244; Dec. 16.
Cosmic Arts, Inc., New York, N. Y. Moving picture films. 200,930; Dec. 16.
Crane Co., The, doing business as Crane Chocolate Co., Cleveland, Ohio, and Kansas City, Mo. Candy. 204,502; Dec. 16.
Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 203,720; Dec. 16.
Custard O Company, The, Cleveland, Ohio. Custard powder. 201,920; Dec. 16.
D. & S. Laboratories, The. (See Dunne, W. J.)
Date Corporation of America, The, Los Angeles, Calif. Dates. 199,827; Dec. 16.
David & Blum, Inc., New York, N. Y. Gloves. 201,746; Dec. 16.
Davis-Johnson Co., The, Chicago, Ill. Medicinal compound. 186,951; Dec. 16.
De Forest Phonofilm Corporation, New York, N. Y. Motion picture films, cameras, projecting machines, and talking-moving picture machines. 186,589-90; Dec. 16.
De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Monthly magazine. 202,743; Dec. 16.
Dennison Manufacturing Company, Framingham, Mass. Quarterly magazine. 204,895; Dec. 16.
Dennison Manufacturing Company, Framingham, Mass. Bimonthly magazine. 204,896; Dec. 16.
Devor & Reynolds Co., Inc., New York, N. Y. Varnish. 197,710; Dec. 16.
Diorex, Christian J., New York, N. Y. Crockery, earthenware, and porcelain. 193,386; Dec. 16.
Double Lock Patch and Rubber Company. (See Hall, Charles V.)
Dunham Company, The, Berea, Ohio. Water-weighted lawn rollers. 202,007; Dec. 16.
Dunne, W. J., doing business as The D. & S. Laboratories, Edinburgh, Scotland. Antiseptic epithelial proliferant. 198,847; Dec. 16.
Dunne, W. J., doing business as The D. & S. Laboratories, Edinburgh, Scotland. Epithelial proliferant. 198,848; Dec. 16.
E. T. S. Company. (See Riggs, Jennie S.)
Economy Screw Corporation, Chicago, Ill. Screws, bolts, studs, nuts, and washers. 204,398; Dec. 16.
Educational News Company, Columbus, Ohio. Name of a weekly publication. 204,399; Dec. 16.
Eg-Noo's Co. (See Ginsburg, Ida L.)
Eneglotaria Medicine Co., Inc., New York, N. Y. Bay rum. 203,877; Dec. 16.
Esbridge, G. W., Drug Co., Tallulah, La. Liniment, blood tonic, and laxative, etc. 187,571; Dec. 16.
Eugene Fruit Growers Association, Eugene, Oreg. Canned berries, fruits, and vegetables. 204,400; Dec. 16.
Everybody's Poultry Magazine Publishing Co., Hanover, Pa. Magazine. 204,548; Dec. 16.
Fairbanks, Maud M., Worcester, Mass. Soap. 202,618; Dec. 16.
Farmstead Mineral Manufacturing Company, Menno, S. Dak. Hog mineral food. 203,030; Dec. 16.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fitz Gibbon, William C., doing business as Olor-No-Mor Company, Washington, D. C. Deodorant toilet powder. 204,022; Dec. 16.
Forsinger, J. W., Co., Chicago, Ill. Jewelry trade journal published monthly. 203,626-7; Dec. 16.
Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. 204,593; Dec. 16.
Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. 204,596-7; Dec. 16.
Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. 201,600-1; Dec. 16.
Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. 204,603-4; Dec. 16.
Frances Knitting Mills, Inc., New York, N. Y. Lingerie and hosiery. 204,093; Dec. 16.
Franklin Simon & Co. (See Société Worth, assignor.)
French-American Cloak & Suit Mfg. Co., Los Angeles, Calif. Women's coats, cloaks, dresses, suits, and blouses. 204,023; Dec. 16.
Gardner's Candies, Inc., New York, N. Y. Candy. 201,339-400; Dec. 16.
Gartside's Iron Rust Soap Co., Philadelphia, Pa. Cleaning preparation for removing iron rust, ink, etc., stains from clothing and marble. 201,747; Dec. 16.
General Oil Conservancy Limited, London, England. Apparatus for use in separating mixtures of oil and water. 192,683; Dec. 16.
Gignot, Julien, Lyon, France. Hair nets. 193,455; Dec. 16.
Ginsburg, Ida L., doing business as Eg-Noo's Co., St. Paul, Minn. Egg noodles. 204,314; Dec. 16.
Glenny & Blew, London, England. Apparatus for indexing and cutting, and recording the duties and other data relating to persons or objects. 200,936; Dec. 16.
Goldman, Edmund L., doing business as Red Sun Products Co., Chicago, Ill. Malt sirup for food purposes. 203,810; Dec. 16.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Toilet paper. 203,269; Dec. 16.
Grennan Lake Corporation, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Cakes, cookies, fried cakes, etc. 201,544; Dec. 16.
Gutting Bros., New York, N. Y. Bulletin. 202,778; Dec. 16.
Hall, Charles V., doing business as Double Lock Patch and Rubber Company, Washington, D. C. Tire patches. 202,060; Dec. 16.
Haram, S. A., & Co., Inc., New York, N. Y. Canned sardines, kippered herring, etc. 198,306; Dec. 16.
Harris, Joseph H., Chicago, Ill. Mounts used for mounting photographic reproductions. 203,079; Dec. 16.
Harley, Wm. P. (London & Antree), Limited, Antree, Liverpool, and London, England. Jams, fruit, preserves, mince-meat, etc. 196,957; Dec. 16.
Harvard Food Products Co., Chemung, Ill. Mayonnaise salad dressing and Thousand Island dressing. 204,401; Dec. 16.
Hawley & Hoops, New York, N. Y. Candy. 202,109; Dec. 16.
Hays, Daniel, Company, The, Gloversville, N. Y. Leather gloves. 204,708; Dec. 16.
Heart of Maine Packing Company, Inc., Lewiston, Me. Canned vegetables, apple sauce, apples in water, and pea soup. 203,516; Dec. 16.
Herman, Fred W., doing business as Pileoff Company, Sandusky and Norwalk, Ohio. Ointment for treatment of piles. 201,178; Dec. 16.
Hermes Chemical Corp., Dover, Del., and Los Angeles, Calif. Face cream, hair tonic, etc. 204,168-9; Dec. 16.
Hills Brothers Company, The, New York, N. Y. Nuts. 202,967; Dec. 16.
Hirsch, Walter J., Company, Chicago, Ill. Peanut butter. 203,271; Dec. 16.
Hirschfeld Oresman Dress Co., St. Louis, Mo. Dresses and gowns. 204,554; Dec. 16.
Hoffmann Brothers Produce Company, St. Louis, Mo. Honey. 185,927; Dec. 16.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 203,953; Dec. 16.
Hollywood Fashion Frocks, Inc., Hollywood, Calif. Ladies' and children's cloaks, suits, and dresses. 203,080; Dec. 16.
Hor-U-S Laboratories, New York, N. Y. Adhesive cement, glue, mullage, adhesive pastes and liquids. 203,415; Dec. 16.
Howe, Margaret F., doing business as Margaret Vale, New York, N. Y. Women's coats, suits, cloaks, dresses, skirts, sweaters, hats. 185,968; Dec. 16.
Howe, Margaret F., doing business as Margaret Vale, New York, N. Y. Dolls. 188,118; Dec. 16.
Hubbard Milling Company, Mankato, Minn. Wheat and rye flour and corn meal. 183,185; Dec. 16.
Hydrol Sales Corporation, La Fayette, Ind. Centrifugal separators. 203,275; Dec. 16.
Hyden, Charles D., doing business as The Niloak Pottery, Benton, Ark. Ceramic products. 204,771; Dec. 16.
Inecto, Inc., New York, N. Y. Hair dye. 204,233; Dec. 16.
International Shoe Company, doing business as Roberts, Johnson and Rand, St. Louis, Mo. Leather boots and shoes. 204,034; Dec. 16.

J. & N. Chemical Co., The, Malden, Mass. Hair restorer. 204,403; Dec. 16.
Jacobus, Sally, doing business as Chemische Fabrik Jacobus, Berlin, Germany. Dyestuffs. 200,450; Dec. 16.
Jennings Sherry Co. Inc., Los Angeles, Calif. Shampoo. 204,172; Dec. 16.
Johnson, W. J., Cleveland, Ohio. Liniment. 185,298; Dec. 16.
Jones, Chas. A., Flour & Grain Co., Birmingham, Ala. Wheat flour. 200,262; Dec. 16.
Jones, Onolee, Los Angeles, Calif. Books and pamphlets of copy for radiobroadcasting. 185,466; Dec. 16.
Jordan Motor Car Company, Inc., Cleveland, Ohio. Magazine. 204,173; Dec. 16.
Kaminskas, John J., Chicago, Ill. Malt extract. 203,238; Dec. 16.
Kemp, Walter D., New York, N. Y. Fruit sauce and pulp. 188,207; Dec. 16.
Kent-Moore Organization, Detroit, Mich. Automotive repair tools. 200,263; Dec. 16.
Kessler, Lawrence A., Cedar Rapids, Iowa. Tooth powder. 150,238; Dec. 16.
Keystone Fruit Products Company, The, Hamilton, Ohio. Preserved fruit. 202,212; Dec. 16.
Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Barbed wire. 203,473; Dec. 16.
King Cole Brush Co., Inc., San Francisco, Calif. Brushes. 192,259; Dec. 16.
King, H. H., Flour Mills Company, Minneapolis, Minn. Wheat flour. 184,735; Dec. 16.
Kleartex Products Company. (See Little, Arthur.)
Klein, L., Chicago, Ill. Shoes. 202,397; Dec. 16.
Kleinberg, William, doing business as Wm. Kleinberg & Co., Rochester, N. Y. Ladies' coats and capes. 204,036; Dec. 16.
Koffee-O Cereal Co. (See Cornell, Albert.)
La Brath Carboy Box Co., Paulsboro, N. J. Carboy boxes. 202,511; Dec. 16.
Layick, Henry G., doing business as Layick Bedding Co., Duluth, Minn. Bed mattresses. 204,178; Dec. 16.
Leiser Gas Stove Co., Inc., Philadelphia, Pa. Gas ranges and gas cookers. 204,364; Dec. 16.
Lily of France Corset Co., New York, N. Y. Combination corset and brassiere. 204,614; Dec. 16.
Lincoln Manufacturing Company, Connerville, Ind. Automobile brakes and timers. 202,512; Dec. 16.
Little, Arthur, doing business as Kleartex Products Company, Lyndhurst, N. J. Shoe bags, laundry bags, upholstery coverings, etc. 204,776; Dec. 16.
Lo Bue, G. & J., Brothers, Jersey City, N. J. Macaroni. 194,606; Dec. 16.
Lucas, John, & Co., Inc., Philadelphia, Pa. Ready-mixed paints. 203,580; Dec. 16.
Luitpold-Werk Chemische-Pharmaceutische Fabrik, Mulden, Germany. Hemostatic. 204,321; Dec. 16.
Macdonald Laboratories. (See American Pharmaceutical Company, The.)
Magnetic Springs Water Co., Sherman, Calif. Non-medical natural spring water for beverage. 203,688; Dec. 16.
Mainhart, George E., doing business as Sierra Products Co., San Francisco, Calif. Metal polish. 202,173; Dec. 16.
Manas, Kalman, doing business as Manas's Malted Milk Co., New York, N. Y. Malted milk. 203,737; Dec. 16.
Manufacturers Home Service Inc., New York, N. Y. Sweaters, children's suits, and women's dresses. 203,527; Dec. 16.
Margo Distributing Company. (See Schmidt, Godfrey.)
Mar-O-Bar Company. (See Mars, Frank C.)
Mars, Frank C., doing business as Mar-O-Bar Company, Minneapolis, Minn. Candy. 194,461; Dec. 16.
Marshall & Company (Aberdeen) Ltd., Aberdeen, Scotland. Canned herring and mackerel. 202,592; Dec. 16.
Marshall Field & Company, Chicago, Ill. Polishing cloth. 202,620; Dec. 16.
Marshall Field & Company, Chicago, Ill. Coats for girls and young ladies. 203,460; Dec. 16.
Mason Box Co., The, Attleboro Falls, Mass. Paper and cardboard boxes and wrappers. 201,815; Dec. 16.
Match Pants Co., New York, N. Y. Men's and boys' trousers. 200,630; Dec. 16.
Mather Brothers, Atlanta, Ga. Children's chairs. 203,966; Dec. 16.
Maxwell, S. A., & Co., Chicago, Ill. Paste. 204,368; Dec. 16.
McAlister Hosiery Mills, Inc., Chattanooga, Tenn. Hosiery. 204,322; Dec. 16.
McBee Binder Company, Athens, Ohio. Accumulation index books for filing systems. 179,808; Dec. 16.
McBee Binder Company, The, Athens, Ohio. Stationery, letter paper, printed blanks, etc. 195,972-3; Dec. 16.
McGrath Shoe Co., Inc., New York, N. Y. Children's leather shoes. 199,846; Dec. 16.
Meyer, Joseph E., doing business as Calumet Fruit Syrups Co., Hammond, Ind. Sirup used for making soft drinks. 203,048; Dec. 16.
Milgram, Nathan, doing business as The Brumalt Co., Kansas City, Mo. Malt sirup. 201,203; Dec. 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Miner-Edgar Company, New York, N. Y. Chemical solvents. 186,658; Dec. 16.
 Miner-Edgar Company, New York, N. Y. Acetate of lime, acetates, and formaldehydes. 186,659; Dec. 16.
 Miner-Edgar Company, New York, N. Y. Denatured alcohol and wood alcohol. 186,661; Dec. 16.
 Morgan, William C. Everett, Wash. Beverages sold as soft drinks. 201,040; Dec. 16.
 Morgan, William C. Everett, Wash. Cigarettes, cigars, and smoking tobacco. 201,041; Dec. 16.
 Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruits. 204,184-5; Dec. 16.
 Nahon, Farris, doing business as Farris Nahon Co., Springfield, Mo. Overalls, shirts, and hosiery. 203,584; Dec. 16.
 Natick Drug Store. (See Shivers, John H.)
 National Aniline & Chemical Company, Incorporated, New York, N. Y. Dyes, dyestuffs, and colors. 204,468; Dec. 16.
 National Fire Extinguishing Company, The, West Chester, Pa. Fire-extinguishing chemical powder. 199,713; Dec. 16.
 National Fruit Product Company, Inc., Alexandria, Va. Pickles, chowchow, olives, etc. 198,720; Dec. 16.
 Neuss, Hessel & Co. Inc., New York, N. Y. Cotton piece goods. 204,469; Dec. 16.
 Niagara Metal Stamping Corporation, Niagara Falls, N. Y. Conster wagons. 186,800; Dec. 16.
 Nilko Pottery, The. (See Hyten, Charles D.)
 Norma Chocolate Company, Inc., Brooklyn, N. Y. Chocolate. 204,323; Dec. 16.
 Northern Paper Mills, Green Bay, Wis. Toilet paper. 201,674; Dec. 16.
 Norton Company, Worcester, Mass. Oilstones. 172,118; Dec. 16.
 Nuss, W. J., Lumber & Supply Company, Fond du Lac, Wis. Wooden doors. 203,424; Dec. 16.
 Odo-Mor Motor Company. (See Fitz Gibbon, William C.)
 Oilking Burner Sales Corporation, Detroit, Mich. Oil burners. 204,187; Dec. 16.
 Pacific Coast Biscuit Company, Seattle, Wash. Candy. 204,519; Dec. 16.
 Parsons & Seville Company, Evansville, Ind. Evaporated milk, potted meat products and cereal, etc. 203,484; Dec. 16.
 Paterson, R., & Sons Ltd., Glasgow, Scotland. Coffee essence with chicory. 202,459-60; Dec. 16.
 Peerless Motor Car Company, The, Cleveland, Ohio. Motor cars. 203,902; Dec. 16.
 Pickett Headwear Company, The, New York, N. Y. Hats and caps. 204,189; Dec. 16.
 Pennant Watch & Supply Corp., New York, N. Y. Watch-making tools. 133,679; Dec. 16.
 Peshastin Fruit Growers Association, Peshastin, Wash. Fresh apples. 204,047; Dec. 16.
 Pileoff Company. (See Herman, Fred W.)
 Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass. 201,715; Dec. 16.
 Porter Clothing Company, Inc., New Orleans, La. Suits for men and boys. 201,412; Dec. 16.
 Portland Wire & Iron Works, Portland, Oreg. Automatic coal burner. 203,835; Dec. 16.
 Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits. 202,599; Dec. 16.
 Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Children's tricycles. 204,372; Dec. 16.
 Ranneker, Samuel H., Baltimore, Md. Creepers, rompers, play suits, etc. 203,973; Dec. 16.
 Recher Bros. Ltd., Browns Mills, N. J. Stiffening lining fabrics in the piece. 202,035; Dec. 16.
 Red Sun Products Co. (See Goldman, Sigmund L.)
 Rehl, Murdoch & Co., Chicago, Ill. Salad dressing, coffee, catchup, chili sauce, canned goods, olive oil. 164,268; Dec. 16.
 Reliance Manufacturing Company, Chicago, Ill. Boys' houses and shirts. 203,489; Dec. 16.
 Review and Herald Publishing Assn., Takoma Park, Washington, D. C. Monthly and semi-monthly publications. 203,648; Dec. 16.
 Revivine Laboratories. (See Berg, Sigvé M.)
 Rice and Hutchins, Incorporated, Boston, Mass. Boots and shoes. 203,904; Dec. 16.
 Riggs, Jennie S., doing business as E. T. S. Company, Seattle, Wash. Soap. 201,717; Dec. 16.
 Rilavo Corporation, Worcester, Mass. Healing ointments, headache capsules, etc. 191,982; Dec. 16.
 Roberts, Johnson and Rand. (See International Shoe Company.)
 Rogers Siler Grocery Co., Owensboro, Ky. Coffee and spices. 191,509; Dec. 16.
 Rollins Hosiery Mills, Des Moines, Iowa. Hosiery. 204,476; Dec. 16.
 Rosenberger & Currier, Mankato, Minn. Candy. 203,538; Dec. 16.
 Ross, E. W., Company, The. (See Hayley, W. D., trustee.)
 Rossire, Katharine B., doing business as The Weaver Bird Studio, Yonkers, N. Y., and Hyannis, Mass. Material for sport skirts, capes, etc. 203,093; Dec. 16.

Royal Boot Shop Inc., Philadelphia, Pa. Shoes. 203,692; Dec. 16.
 Sagone & Cie., Palermo, Italy. Preparation used in bronchial asthma. 198,033; Dec. 16.
 Sales-Producing Circular Co. Inc., New York, N. Y. Printed advertising circulars. 201,965; Dec. 16.
 Salt's Textile Company, Inc., New York, N. Y. Upholstery fabrics. 203,590; Dec. 16.
 Salt's Textile Company, Inc., New York, N. Y. Women's children's, and infants' coats, cloaks, wraps, etc. 203,592; Dec. 16.
 Salt's Textile Company, Inc., New York, N. Y. Women's children's, and infants' coats, cloaks, wraps, etc. 203,594; Dec. 16.
 Salt's Textile Company, Inc., New York, N. Y. Women's children's, and infants' coats, cloaks, wraps, etc. 203,598; Dec. 16.
 Salt's Textile Company, Inc., New York, N. Y. Women's children's, and infants' coats, cloaks, wraps, etc. 203,602; Dec. 16.
 Salt's Textile Company, Inc., New York, N. Y. Women's children's, and infants' coats, cloaks, wraps, etc. 203,604; Dec. 16.
 San Antonio Beverage Syrup Company Inc., San Antonio, Tex. Fruit beverages, and compounds and syrups for making the same. 200,693; Dec. 16.
 Schmidt, Godfrey, doing business as Margo Distributing Company, Dayton, Ohio. Herb tablets for blood, stomach, and liver disorders. 203,695; Dec. 16.
 Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Lead pencils, mechanical lead pencils, penholders, etc. 199,856; Dec. 16.
 Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Lead, copyling, and slate pencils, etc. 199,860; Dec. 16.
 Scognamiglio, Rosa B., New York, N. Y. Corsets, brassieres, girdles, and women's underwear. 203,698; Dec. 16.
 Sharp & Dohme, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; and Philadelphia, Pa. Absorbents, alternatives, anodynes, etc. 204,055; Dec. 16.
 Shivers, John H., doing business as Natick Drug Store, Los Angeles, Calif. Eucalyptol cream, hair tonic, etc. 204,522; Dec. 16.
 Sierra Products Co. (See Malnhart, George E.)
 Sigvé M. Berg, doing business as Revivine Laboratories, Chicago, Ill. Preparations for the hair and scalp. 203,399; Dec. 16.
 Simon Levi Company, Los Angeles, Calif. Canned fruits and vegetables and honey. 195,894; Dec. 16.
 Siro, Peter, Company, Chicago, Ill. Candy. 201,984; Dec. 16.
 Small, L. R., Company, Los Angeles, Calif. Fresh grapes, vegetables, and deciduous fruits. 199,397; Dec. 16.
 Société Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Soaps. 199,978; Dec. 16.
 Soeld Electric Refrigerating Corporation, Lynn, Mass. Refrigerating machinery. 202,958; Dec. 16.
 Standard Manufacturing Company, Elizabeth City, N. C. Hosiery. 204,525; Dec. 16.
 Standard Oil Company of New York, New York, N. Y. Tanks, drums, and cans, barrels, cases, bags, and paper cartons. 201,058; Dec. 16.
 Stephens, A. L., & Company, Chicago, Ill. Women's hats. 203,446; Dec. 16.
 Stone and Forsyth Company, Boston, Mass. Toilet paper, paper crepe napkins, etc. 196,989; Dec. 16.
 Strable Hardwood Co., Oakland, Calif. Flooring. 203,207; Dec. 16.
 Strawbridge & Clothier, Philadelphia, Pa. Men's leather shoes. 187,968; Dec. 16.
 Stroock, S., & Company, Inc., New York, N. Y. Cashmere and wool cloth. 204,573; Dec. 16.
 Sturdevant, Alice M., Los Angeles, Calif. Windshield cleaners. 172,617; Dec. 16.
 Super-Weld Mfg. Company, Searsmont, Me., and Columbia, S. C. Rubber repair outfits. 204,729; Dec. 16.
 Surber-Arundale Company Inc., Charlottesville, Va. Publication (name of house organ). 203,846; Dec. 16.
 Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Overalls and overall sack coats. 182,488; Dec. 16.
 Swenson, Hilmer A., Advertising Co., Chicago, Ill. Magazine. 199,401; Dec. 16.
 Temple Laboratories. (See Vertrees, Jno. J.)
 Texas Farm & Ranch Publishing Company, Dallas, Tex. Weekly agricultural publication. 204,803; Dec. 16.
 Titanine Inc., Union, N. J. Varnishes, paint enamels, liquid paints, and paint pastes. 157,503; Dec. 16.
 Tosse, E. & Co. Inc., New York, N. Y. Preparation for arteriosclerosis, high blood pressure, etc. 204,530; Dec. 16.
 Ullman, J., & Sons, Reading, Pa. Composition shoe soles. 203,762; Dec. 16.
 United Brotherhood of Carpenters & Joiners, Indianapolis, Ind. Fresh oranges, grapefruit, and tangerines. 202,531; Dec. 16.
 United Drug Company, Boston, Mass. Adhesive mending tape. 204,286; Dec. 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 203,547; Dec. 16.
 United States Tobacco Company, Jersey City, N. J., and New York, N. Y. Snuff. 202,907; Dec. 16.
 Universal Pictures Corporation, New York, N. Y. Moving pictures. 198,546; Dec. 16.
 Vale, Margaret. (See Howe, Margaret F.)
 Vanderbilt Newspapers, Inc., Wilmington, Del., and Los Angeles, Calif. Daily magazine article. 204,531-2; Dec. 16.
 Vertrees, Jno. J., doing business as Temple Laboratories, Nashville, Tenn. Preparation for gallstones, liver complaints, etc. 202,085; Dec. 16.
 Wa-Pa Chemical Company, Marinette, Wis. Hand cleaner. 202,570; Dec. 16.
 Ward, Edward J., New York, N. Y. Check writers and printers and typewriters. 166,614; Dec. 16.
 Warren, Clyde W., doing business as Automatic Shade Co., Sank Rapids, Minn. Porch shades. 203,768-9; Dec. 16.

Weaver-Bird Studio, The. (See Rossire, Katharine B.)
 Weill & Hartman, New York, N. Y. Women's and misses' coats, suits, dresses, and waists. 203,991; Dec. 16.
 Weldon Manufacturing Company, Grand Rapids, Mich. Portable fire extinguishers. 187,030; Dec. 16.
 West Indies Fruit Importing Co., Chicago, Ill. Fresh pineapples. 202,909; Dec. 16.
 Western Meat Company, South San Francisco, Calif. Cottonseed and oleostearine shortening. 202,832; Dec. 16.
 Western Meat Company, South San Francisco, Calif. Lard. 202,838; Dec. 16.
 Whitehouse & Hardy, Inc., New York, N. Y. Men's shoes. 203,613; Dec. 16.
 Wilson, Thos. E., & Co., Chicago, Ill. Golf clubs. 203,858; Dec. 16.
 Xthermo Products Inc., Milwaukee, Wis. Insecticides and rat poisons. 189,828; Dec. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Meador and Young. 192,964; Dec. 16; Serial No. 200,890; published Sept. 30, 1924.
 Coal. Morris Run Coal Mining Company. 193,162; Dec. 16.
 Coal briquets. American Briquet Company. 192,918; Dec. 16; Serial No. 201,482; published Sept. 30, 1924.
 Hides, skins, and leather. Penn Leather Company. 192,879; Dec. 16; Serial No. 199,760; published Sept. 30, 1924.
 Leather. Denver Leather Co. 192,978; Dec. 16; Serial No. 197,420; published Sept. 30, 1924.
 Marble and stone. Carlo Fabbriotti e B. Fabbriotti e Figli. 192,972-5; Dec. 16; Serial Nos. 197,473-6; published Sept. 30, 1924.
 Marble and stone. Nicolao Lazzoni e Figlio. 192,971; Dec. 16; Serial No. 197,490; published Sept. 30, 1924.
 Ore, Chrome. E. J. Lavino and Company. 192,925; Dec. 16; Serial No. 201,759; published Sept. 30, 1924.
 Ore, Chrome. E. J. Lavino and Company. 192,926; Dec. 16; Serial No. 201,761; published Sept. 30, 1924.
 Seed, Grass. C. C. Morse & Co. 192,923; Dec. 16; Serial No. 201,574; published Sept. 30, 1924.
 Skins, Animal. Fox Trading Company. 192,853; Dec. 16; Serial No. 201,082; published Sept. 30, 1924.
 Tripoli flour (ground tripoli stone). American Tripoli Company. 192,871; Dec. 16; Serial No. 200,171; published Sept. 30, 1924.

CLASS 2.

Cosmetic containers. V. Vrandon, Inc. 192,852; Dec. 16; Serial No. 201,016; published Sept. 30, 1924.
 Eyeglass receptacles. W. E. Montgomery. 193,038; Dec. 16; Serial No. 192,717; published Oct. 7, 1924.
 Tanks. Sharpville Roller Works Co. 193,159; Dec. 16.

CLASS 3.

Bags, Travelling. W. H. Smith. 193,138; Dec. 16.
 Harness and horse collars. Des Moines Saddlery Company. 193,010; Dec. 16; Serial No. 195,502; published July 1, 1924.
 Laundry cases, school and commercial bags. H. E. Pilgrimage. 193,025; Dec. 16; Serial No. 200,579; published Sept. 30, 1924.

CLASS 4.

Abrasive paper and cloth and combination of abrasive paper and cloth. Manning Abrasive Company. 192,894; Dec. 16; Serial No. 201,004; published Sept. 30, 1924.
 Cleansing compound. Scientific Products, Inc. 192,900; Dec. 16; Serial No. 200,226; published Sept. 23, 1924.
 Cleansing compound for rugs, carpets, and the like. Economics Laboratory, Incorporated. 193,072; Dec. 16; Serial No. 189,769; published Sept. 30, 1924.
 Dressing and polish. Shoe. Universal Polish Mfg. Co. 193,063; Dec. 16; Serial No. 193,009; published Sept. 30, 1924.
 Polishes, Metal. Grady Mfg. Co. 192,898; Dec. 16; Serial No. 200,442; published Sept. 23, 1924.
 Polishes, Metal. Grady Mfg. Co. 192,950; Dec. 16; Serial No. 200,441; published Sept. 30, 1924.
 Polishing cloth for gold, silver, etc. H. Ferbeck. 192,942; Dec. 16; Serial No. 198,998; published Sept. 30, 1924.
 Preparation for cleaning dirt and grease from the hands. C. W. Rumsey. 192,895; Dec. 16; Serial No. 200,900; published Sept. 23, 1924.
 Razor straps. E. Morris. 192,899; Dec. 16; Serial No. 200,405; published Sept. 23, 1924.
 Soap. G. A. Sauer. 192,893; Dec. 16; Serial No. 201,265; published Sept. 23, 1924.

329 O. G.—51a

CLASS 6.

Blood purifier, a remedy for high blood pressure, and a tonic. E. M. Gardner. 193,003; Dec. 16; Serial No. 199,056; published Sept. 2, 1924.
 Creams, toilet and shampoo powders, etc. Toilet. D. & W. Gibbs, Limited. 193,132; Dec. 16.
 Embalming fluid. W. Miller. 193,154; Dec. 16.
 Lintiment. L. Hamilton. 193,130; Dec. 16.
 Lip sticks, rouges, and face powder. Coty, Inc. 193,118; Dec. 16.
 Medicaments. C. R. Böhm. 193,008; Dec. 16; Serial No. 196,851; published Sept. 9, 1924.
 Medicinal preparation for high blood pressure, etc. Drug Products Co. 193,093; Dec. 16; Serial No. 200,714; published Sept. 16, 1924.
 Medicinal tonic. General. Società Anonima Francesco Cuzano & Cia. 193,065; Dec. 16; Serial No. 191,919; published Sept. 30, 1924.
 Medicine for quinsy. L. E. Buterhangh. 193,125; Dec. 16.
 Medicines, vermifuge, ointments, etc. Bennett & Royalty. 193,126; Dec. 16.
 Powder and cream, Face. J. G. Mouson & Co. 193,128; Dec. 16.
 Powders, face creams, rouges, etc. Benz Toilet Products, Inc. 193,129; Dec. 16.

CLASS 7.

Rope and cable. Edwin H. Fidler Company. 192,881; Dec. 16; Serial No. 199,747; published Sept. 30, 1924.

CLASS 10.

Fertilizers. D. M. Helmick. 192,927; Dec. 16; Serial No. 201,847; published Oct. 7, 1924.
 Fertilizer. Thomas Herson & Company. 193,117; Dec. 16.
 Fertilizer. Spreckels Brothers Commercial Company. 192,967; Dec. 16; Serial No. 198,261; published Sept. 30, 1924.

CLASS 12.

Brick. Medal Brick & Tile Co. 192,945; Dec. 16; Serial No. 200,212; published Sept. 30, 1924.
 Cement. Atlas Luminite Cement Company. 192,958; Dec. 16; Serial No. 200,702; published Sept. 30, 1924.
 Concrete blocks, bucks, and tile. Thermotite Construction, Inc. 192,882; Dec. 16; Serial No. 199,722; published Sept. 30, 1924.
 Floorings. Simon Manges & Son, Inc. 192,855; Dec. 16; Serial No. 201,149; published Sept. 30, 1924.
 Plaster board. Schumacher Wall Board Corporation. 192,944; Dec. 16; Serial No. 199,394; published Sept. 30, 1924.
 Switch-box mounting strips and lath holders. Metallic. Mid-West Metal Products Co. 193,160; Dec. 16.
 Treads, stair landings, etc. American Blue Stone Co. 192,966; Dec. 16; Serial No. 198,277; published Sept. 30, 1924.

CLASS 13.

Boiler stands, Adjustable. Sanitary Company of America. 192,851; Dec. 16; Serial No. 201,013; published Sept. 30, 1924.
 Closet seats. Brunswick-Balke-Collender Company. 192,922; Dec. 16; Serial No. 201,535; published Oct. 7, 1924.

Paper fixtures, Toilet. National Paper Products Company. 193,106; Dec. 16.
 Pipe connections, Plumbing. Iron Closet Bend Co. 192,957; Dec. 16; Serial No. 200,682; published Sept. 30, 1924.
 Siphons, Cream. Skimit Mfg. Co. 192,946; Dec. 16; Serial No. 200,229; published Sept. 30, 1924.
 Trays, Laundry. Chas. Wesley Company. 192,914; Dec. 16; Serial No. 201,419; published Oct. 7, 1924.

CLASS 14.

Bars, Cored and solid. Cored Bar Corporation. 193,068; Dec. 16; Serial No. 191,367; published Sept. 30, 1924.
 Forgings, Upset. American Forge Company. 192,921; Dec. 16; Serial No. 201,523; published Oct. 7, 1924.

CLASS 15.

Gasoline and motor oils. G. W. Quinn. 192,993; Dec. 16; Serial No. 186,926; published July 22, 1924.
 Oils, Lubricating. G. J. Burns. 193,018; Dec. 16; Serial No. 159,780; published Oct. 17, 1922.
 Oils, Lubricating. Rusk Oil Co. 192,982; Dec. 16; Serial No. 196,032; published July 22, 1924.

CLASS 16.

Bronze powders. United States Bronze Powder Works, Inc. 192,987; Dec. 16; Serial No. 176,231; published July 24, 1923.
 Paints and varnishes. Gardening solution for. Clark Products Company. 193,087; Dec. 16; Serial No. 201,019; published Oct. 7, 1924.
 Polish, Automobile. R. G. Morton & Son. 193,098; Dec. 16; Serial No. 201,150; published Oct. 7, 1924.

CLASS 17.

Cigarettes. F. R. Sore. 193,047; Dec. 16; Serial No. 201,820; published Oct. 7, 1924.
 Cigars. Columbia Club Cigar Company. 193,044; Dec. 16; Serial No. 202,098; published Oct. 7, 1924.
 Cigars. Andy Dehner Cigar Co. 193,045; Dec. 16; Serial No. 201,948; published Oct. 7, 1924.
 Tobacco, Smoking. Bloch Brothers Tobacco Co. 193,139; Dec. 16.

CLASS 19.

Automobile bumpers and bumper fittings. Eaton Axle & Spring Company. 192,992; Dec. 16; Serial No. 185,961; published Sept. 30, 1924.
 Axles and wheels, automobile radiators, etc. Vehlele, H. G. J. Frank. 193,062; Dec. 16; Serial No. 193,222; published Sept. 30, 1924.
 Vehicles, Inserts for leaf springs of motor. C. F. Hamilton. 192,847; Dec. 16; Serial No. 200,935; published Sept. 30, 1924.

CLASS 22.

Favors. New York Toy House, Inc. 193,152; Dec. 16.
 Fish netting. Fish Net & Twine Company. 193,153; Dec. 16.

CLASS 23.

Candy coating machines, candy pumps and coolers, etc. Universal Candy and Chocolate Machinery Company. 192,885; Dec. 16; Serial No. 199,661; published Oct. 7, 1924.

Chucks. Cushman Chuck Company. 193,088; Dec. 16; Serial No. 200,481; published Oct. 7, 1924.
 Cream separators. Maskin och Brobyggnads Aktiebolaget. 193,095-6; Dec. 16; Serial Nos. 200,953-4; published Oct. 7, 1924.

Cream separators and churns. Märktische Maschinenbau-Anstalt "Teutonia" Gesellschaft mit beschränkter Haftung. 193,007; Dec. 16; Serial No. 196,922; published Oct. 7, 1924.

Dies, diestocks, and screw-threading tools. Hart Manufacturing Company. 193,111; Dec. 16.
 Drills, Breast, bench, and hand. Goodell-Pratt Company. 192,988; Dec. 16; Serial No. 176,620; published June 26, 1923.

Fan pulley rims. A. E. Bosley. 193,115; Dec. 16.
 Foundry equipment and supplies. J. W. Paxson Co. 193,054-5; Dec. 16; Serial Nos. 195,123-4; published Sept. 30, 1924.
 Graders, Elevating. Little Red Wagon Mfg. Co. 193,116; Dec. 16.

Hoes and cultivators, Combined. L. J. Stafford. 192,920; Dec. 16; Serial No. 201,516; published Oct. 7, 1924.
 Jacks, Lifting. Pierce-Arrow Motor Car Company. 193,015; Dec. 16; Serial No. 185,990; published Sept. 30, 1924.

Logging blocks and parts. Line rollers and spools, etc. Lamb Machine Company. 193,105; Dec. 16.
 Pipe cutters and vises, vise stands, etc. Nye Tool & Machine Works. 192,911; Dec. 16; Serial No. 201,972; published Oct. 7, 1924.

Printing devices, Hand-operated. Stampograph Company. 192,928; Dec. 16; Serial No. 201,938; published Oct. 7, 1924.

Pumps, water systems, and tanks. Dayton Pump & Manufacturing Co. 192,959; Dec. 16; Serial No. 200,751; published Sept. 30, 1924.

Razors, table knives, scissors, etc. Solinger Metallwarenfabrik G. m. B. H. 193,006; Dec. 16; Serial No. 196,937; published Oct. 7, 1924.

Sewing machines. Union Special Machine Company. 192,969; Dec. 16; Serial No. 197,846; published Oct. 7, 1924.

Sewing machines for closing filled bags. Union Special Machine Company. 192,976; Dec. 16; Serial No. 197,461; published Oct. 7, 1924.

Speed and pressure regulators, pumps, etc. Gardner Governor Company. 192,878; Dec. 16; Serial No. 199,780; published Sept. 30, 1924.

Tape and dies. John Bath & Company. 192,947; Dec. 16; Serial No. 200,239; published Sept. 30, 1924.

Vending machines. Columbus Vending Company. 193,113; Dec. 16.

CLASS 25.

Banks, Portable savings. Verteco Manufacturing Company. 192,913; Dec. 16; Serial No. 201,418; published Oct. 7, 1924.

Banks, Savings. Burns Company. 192,930; Dec. 16; Serial No. 202,000; published Oct. 7, 1924.

CLASS 26.

Gauges, Gasoline. A. J. Kirstin Company. 192,854; Dec. 16; Serial No. 201,146; published Oct. 7, 1924.

Gauges, Gasoline. Marvel Carburetor Company. 193,109; Dec. 16.

Photographic paper, Sensitized. Eastman Kodak Company. 192,915; Dec. 16; Serial No. 201,431; published Oct. 7, 1924.

Picture films, Motion. G. B. Harney. 192,991; Dec. 16; Serial No. 184,853; published Sept. 30, 1924.

Scales, Weighing. Barnes Scale Company. 192,961; Dec. 16; Serial No. 200,804; published Oct. 7, 1924.

Speedometers and pressure gauges. H. G. J. Frank. 193,061; Dec. 16; Serial No. 193,225; published Sept. 30, 1924.

Stamps, Time-dating. H. Kastens. 192,952; Dec. 16; Serial No. 200,500; published Sept. 30, 1924.

Testing instrument. R. G. Herlingier. 192,956; Dec. 16; Serial No. 200,606; published Sept. 30, 1924.

CLASS 29.

Mops and brooms. J. Lukinovich. 192,877; Dec. 16; Serial No. 199,844; published Sept. 2, 1924.

CLASS 32.

Bed springs and coiled spring supports. Pacific Spring Company. 193,064; Dec. 16; Serial No. 192,728; published Sept. 2, 1924.

Beds. Wheeler-Okell Company. 192,868-9; Dec. 16; Serial No. 198,962-3; published Sept. 23, 1924.

Beds. Wheeler-Okell Company. 192,870; Dec. 16; Serial No. 198,965; published Sept. 23, 1924.

Beds. Wheeler-Okell Company. 192,931-3; Dec. 16; Serial No. 198,966-12; published Sept. 23, 1924.

Beds. Wheeler-Okell Company. 192,938; Dec. 16; Serial No. 198,914; published Sept. 23, 1924.

Beds. Wheeler-Okell Company. 192,939-40; Dec. 16; Serial No. 198,916-17; published Sept. 23, 1924.

Beds. Wheeler-Okell Company. 192,941; Dec. 16; Serial No. 198,919; published Sept. 23, 1924.

Beds and mattresses. National Department Stores. 192,954; Dec. 16; Serial No. 200,510; published Sept. 23, 1924.

Davenport, chains, cane suites, etc. Murdock & Wilcox. 193,070; Dec. 16; Serial No. 190,738; published Sept. 23, 1924.

Desks, Children's. Eastman Mfg. Co. 193,133; Dec. 16.
 Display stands. Wellston Manufacturing Co. 192,889; Dec. 16; Serial No. 199,513; published Sept. 30, 1924.

Furniture, Wicker. Grand Central Wicker Shop, Inc. 192,865; Dec. 16; Serial No. 198,568; published Sept. 9, 1924.

Mattresses. All-Felt Mattress Co. 192,886; Dec. 16; Serial No. 199,594; published Sept. 9, 1924.

Show cases. Quincy Show Case Works. 192,943; Dec. 16; Serial No. 199,390; published Sept. 23, 1924.

Tables, chairs, stools, and wardrobes. F. O. Berg. 192,995; Dec. 16; Serial No. 189,351; published Sept. 23, 1924.

Talking machines and radio sets. Cabinets for. Columbia Mautel Co. 192,948; Dec. 16; Serial No. 200,246; published Sept. 9, 1924.

CLASS 33.

Glass, Including articles made of glassware. H. M. Bridges. 193,108; Dec. 16.

CLASS 34.

Furnaces and parts thereof. Gilchrist and Company. 193,150; Dec. 16.

Hot-water storage system, Automatic. Riverside Boiler Works, Inc. 192,866; Dec. 16; Serial No. 198,722; published Sept. 30, 1924.

Lighting fixtures. Art Craft Fixture Co. 193,053; Dec. 16; Serial No. 195,855; published Sept. 30, 1924.

Radiators or heaters. Tubular. Carrier Construction Company. 192,857; Dec. 16; Serial No. 201,176; published Sept. 30, 1924.

Water heaters. Hottel Heater Company. 192,859; Dec. 16; Serial No. 201,240; published Sept. 30, 1924.

CLASS 35.

Belting, Leather. F. W. McLanathan. 192,990; Dec. 16; Serial No. 184,210; published Sept. 16, 1924.

Packing and packing material. Garlock Packing Company. 193,140-5; Dec. 16.

Packing and packing material. Garlock Packing Company. 193,147-8; Dec. 16.

Packing, Machinery. A. Laurent. 192,916; Dec. 16; Serial No. 201,457; published Sept. 30, 1924.

Rubber tubes. Fisk Rubber Company. 192,846; Dec. 16; Serial No. 200,932; published Sept. 30, 1924.

Tires, Rubber. Emt Rubber Company. 192,924; Dec. 16; Serial No. 201,656; published Sept. 30, 1924.

CLASS 37.

Paper, Tape roll. Paper Manufacturers Co. 193,131; Dec. 16.

Paper, Wall. A. C. Dodman, Jr., Inc. 192,962-3; Dec. 16; Serial Nos. 200,867-8; published Sept. 30, 1924.

Paper, Waxed or paraffin. Nashua Gummed & Coated Paper Company. 192,875; Dec. 16; Serial No. 200,005; published Sept. 16, 1924.

Papers, Enamelled book. Moser Paper Company. 192,845; Dec. 16; Serial No. 200,893; published Sept. 30, 1924.

CLASS 38.

Books, Route guide. International Guide Publishing Co. 192,951; Dec. 16; Serial No. 200,449; published Sept. 30, 1924.

Cards, newspaper publications, booklets. Brown & Bigelow. 192,980; Dec. 16; Serial No. 196,574; published Sept. 30, 1924.

Cartoons. Premier Syndicate, Inc. 192,896; Dec. 16; Serial No. 200,727; published Sept. 23, 1924.

Cartoons. M. C. Richards. 192,949; Dec. 16; Serial No. 200,281; published Sept. 30, 1924.

Comic strip. L. A. Taylor. 192,907; Dec. 16; Serial No. 195,139; published Sept. 23, 1924.

Leaflets, books, etc. Doubleday Page Book Shop Company. 192,910; Dec. 16; Serial No. 188,106; published Sept. 23, 1924.

Magazine, Monthly. International Magazine Company. 192,886; Dec. 16; Serial No. 199,751; published Sept. 30, 1924.

Magazine, Monthly. E. B. Pillsbury. 192,872; Dec. 16; Serial No. 200,957; published Sept. 30, 1924.

Magazine, Section of a. Boy Scouts of America. 192,992; Dec. 16; Serial No. 199,877; published Sept. 23, 1924.

Maps and atlases. L. M. Andrews. 193,134; Dec. 16.

Newspaper articles. Daily Trade Record of New York. 192,979; Dec. 16; Serial No. 197,418; published Aug. 26, 1924.

Pamphlets, circulars, and publications. Sweater & Knitted Textile Publicity Bureau, Inc. 193,019; Dec. 16; Serial No. 164,990; published Sept. 30, 1924.

Pamphlets, circulars, and publications. Sweater & Knitted Textile Publicity Bureau, Inc. 193,020-1; Dec. 16; Serial Nos. 164,992-3; published Sept. 30, 1924.

Periodical and magazine. Standard Corporation. 192,903; Dec. 16; Serial No. 198,824; published Sept. 23, 1924.

Prints and publications. Palmer Institute of Authorship. 192,883; Dec. 16; Serial No. 199,717; published Sept. 30, 1924.

Publication. W. B. Paris. 192,901; Dec. 16; Serial No. 200,009; published Sept. 23, 1924.

Publication. Textile Publishing Company. 192,908; Dec. 16; Serial No. 188,456; published Sept. 23, 1924.

Publications. Home Makers of the World. 192,904-5; Dec. 16; Serial Nos. 198,410-11; published Sept. 23, 1924.

Publications. H. Kauffman. 193,071; Dec. 16; Serial No. 190,019; published Sept. 30, 1924.

CLASS 39.

Apparel, Men's outer. D. Goodman & Co. 193,112; Dec. 16.

Aprons, Waterproof. J. Christensen. 193,004; Dec. 16; Serial No. 198,288; published Sept. 30, 1924.

Boots and shoes. Kreider-Croveling Shoe Co. 193,092; Dec. 16; Serial No. 200,684; published Oct. 7, 1924.

Boots, Rubber. Converse Rubber Shoe Co. 193,078; Dec. 16; Serial No. 200,183; published Sept. 30, 1924.

Boots, Rubber. Converse Rubber Shoe Co. 193,083; Dec. 16; Serial No. 200,191; published Sept. 30, 1924.

Capes, coats, etc. Gram Headwear Mfg. Co. 193,023; Dec. 16; Serial No. 160,069; published Sept. 30, 1924.

Corsets and brassieres. Rite Form Corset Co. 193,085; Dec. 16; Serial No. 200,341; published Sept. 30, 1924.

Gloves. National Glove Company. 193,000-1; Dec. 16; Serial Nos. 199,434-5; published Oct. 7, 1924.

Gloves and mittens. Northern Glove & Mitten Co. 193,121; Dec. 16.

Gloves, hosiery, and dresses, Ladies'. E. Guthrie Co. 193,110; Dec. 16.

Gloves, Leather. V. Perrin & Co. 193,011; Dec. 16; Serial No. 194,942; published Sept. 30, 1924.

Gloves, mittens, gauntlets, and mitts. American Wholesale Corporation (Baltimore Bargain House). 193,107; Dec. 16.

Hats. Baron Bros. Millinery Company. 193,135; Dec. 16.

Hats. Cinderella Hat Co. 193,005; Dec. 16; Serial No. 198,115; published Sept. 30, 1924.

Hats, Ladies'. Bloomberg Millinery Co. 193,084; Dec. 16; Serial No. 200,242; published Sept. 30, 1924.

Hats, work shirts, trousers, etc., Men's fabric. T. Rudnik. 192,966; Dec. 16; Serial No. 198,259; published Sept. 2, 1924.

Hosiery. Aycock Hosiery Mills. 193,086; Dec. 16; Serial No. 200,351; published Sept. 30, 1924.

Hosiery. Malloch Knitting Mills. 193,091; Dec. 16; Serial No. 200,629; published Sept. 30, 1924.

Hosiery. Owen Osborne Incorporated. 193,157; Dec. 16.

Hosiery. Scholl Manufacturing Company. 193,101; Dec. 16; Serial No. 201,467; published Sept. 30, 1924.

Knit underwear and hosiery. E. M. Hanley & Co. 193,075; Dec. 16; Serial No. 199,783; published Sept. 30, 1924.

Lingerie, kimonos, wash dresses. A. M. Jelf Manufacturing Co. 193,012; Dec. 16; Serial No. 183,574; published Sept. 30, 1924.

Middy suits, blouses, etc., Boys'. Jackle-Klothes, Inc. 193,089; Dec. 16; Serial No. 200,499; published Sept. 30, 1924.

Mittens and gloves. Hynes and Daly. 192,994; Dec. 16; Serial No. 188,243; published Sept. 16, 1924.

Overalls. Hobert-Stone Company. 192,999; Dec. 16; Serial No. 199,619; published Sept. 30, 1924.

Shoes. Converse Rubber Shoe Co. 193,079-81; Dec. 16; Serial Nos. 200,185-7; published Sept. 30, 1924.

Shoes. Converse Rubber Shoe Co. 193,082; Dec. 16; Serial No. 200,190; published Sept. 30, 1924.

Shoes. J. J. Daly. 193,077; Dec. 16; Serial No. 200,136; published Sept. 30, 1924.

Shoes. Johansen Bros. Shoe Company. 193,002; Dec. 16; Serial No. 199,355; published Sept. 30, 1924.

Shoes. Kechn Brothers. 193,163; Dec. 16.

Sleeve protectors, Garment. J. Andrick. 193,151; Dec. 16.

Suits and topcoats, Men's and young men's. Dvorkin Bros. 193,076; Dec. 16; Serial No. 199,978; published Sept. 30, 1924.

Suits, Boys' wash. Stix, Baer & Fuller Dry Goods Co. 192,998; Dec. 16; Serial No. 199,656; published Sept. 30, 1924.

Suits, Evening dress. S. Rudofker's Sons. 193,087; Dec. 16; Serial No. 200,407; published Sept. 30, 1924.

Suspenders, arm bands, and men's belts. Marshall Field & Company. 193,022; Dec. 16; Serial No. 165,942; published Nov. 27, 1923.

Underwear, hosiery, and work clothing. H. Levi & Co. 193,014; Dec. 16; Serial No. 156,967; published Sept. 30, 1924.

Underwear, Men's. Geo. P. Ide & Co. 193,100; Dec. 16; Serial No. 201,451; published Sept. 30, 1924.

CLASS 40.

Elastic. I. Fleischer & Sons. 193,127; Dec. 16.

Elastic, Shirred. Nichols Manufacturing Company. 192,968; Dec. 16; Serial No. 198,024; published Sept. 23, 1924.

Fans, Toilet. U. O. Colson Company. 192,884; Dec. 16; Serial No. 199,678; published Sept. 23, 1924.

Fringes, edgings, galloons, etc. H. F. Walliser Company. 192,983; Dec. 16; Serial No. 195,996; published Sept. 2, 1924.

Hair curlers. Hayes-Meserole Mfg. Co. 192,965; Dec. 16; Serial No. 198,407; published Sept. 9, 1924.

Knitted silk fabrics. Lang Knitting Mills, Inc. 192,848-9; Dec. 16; Serial Nos. 200,995-6; published Sept. 30, 1924.
 Knitted silk fabrics. Lang Knitting Mills, Inc. 192,850; Dec. 16; Serial No. 200,998; published Sept. 30, 1924.
 Rugs, tie cloth, shawls and scarfs, table linens, tablecloths. Chs. Lavy & Co. 193,067; Dec. 16; Serial No. 191,633; published Sept. 30, 1924.
 Rugs, tie cloth, shawls and scarfs, table linens, tablecloths. Chs. Lavy & Co. 193,069; Dec. 16; Serial No. 191,328; published Sept. 30, 1924.
 Silk fabrics. New England Textile Corporation. 193,114; Dec. 16.
 Silk piece goods. Liberty & Co. 193,158; Dec. 16.
 Vell and hair net and vells and hair nets made from natural hair. Combination. National Trading Company. 192,977; Dec. 16; Serial No. 197,442; published Sept. 30, 1924.
 Woolen piece goods. E. J. Wile & Co. 193,056; Dec. 16; Serial No. 194,499; published June 17, 1924.

CLASS 44.

Arch supports. Scholl Manufacturing Company. 192,917; Dec. 16; Serial No. 201,468; published Oct. 7, 1924.
 Gold and platinum alloy metal. M. F. Patterson Dental Supply Company. 192,856; Dec. 16; Serial No. 201,155; published Oct. 7, 1924.
 Heat-producing bags. Chemical. Western Sales Agency, Inc. 193,058; Dec. 16; Serial No. 194,425; published Sept. 30, 1924.
 Mitt. Chemically-treated gauze. M. W. Ean. 192,867; Dec. 16; Serial No. 198,795; published Sept. 30, 1924.
 Root-canal instruments and cleaners, dental mandrels, etc. United States Dental Manufacturing Company. 192,929; Dec. 16; Serial No. 201,901; published Oct. 7, 1924.
 Telephones and ear phones, stethoscopes, and parts therefor. Globe Phone Manufacturing Company. 192,984; Dec. 16; Serial No. 198,637; published Oct. 7, 1924.
 Therapeutical appliances. Electrical. B. N. Burglund. 192,873; Dec. 16; Serial No. 200,034; published Sept. 30, 1924.

CLASS 45.

Beverage. M. Glazer. 193,161; Dec. 16.
 Beverage and sirups for making same. Henry-Brown Company. 193,156; Dec. 16.
 Beverage. Nonalcoholic maltless. Bennesson & Treanor. 193,026; Dec. 16; Serial No. 200,543; published Oct. 7, 1924.
 Beverage sold as a soft drink. Exchange Buffet Corporation. 193,032; Dec. 16; Serial No. 198,298; published Oct. 7, 1924.
 Beverages. Palmerton Bottling Works. 193,090; Dec. 16; Serial No. 200,576; published Oct. 7, 1924.
 Ginger ale. Coca-Cola Bottling Company. 193,030; Dec. 16; Serial No. 199,416; published Oct. 7, 1924.
 Sirup used in the preparation of soft drinks. G. E. Baldwin. 193,094; Dec. 16; Serial No. 200,844; published Oct. 7, 1924.
 Vermouth. Societa Anonima Francesco-Cinzano & Cia. 193,066; Dec. 16; Serial No. 191,918; published Sept. 30, 1924.

CLASS 46.

Beans. Michigan Elevator Exchange. 192,970; Dec. 16; Serial No. 197,493; published Sept. 30, 1924.
 Beef, Fresh. Detroit Packing Company. 192,997; Dec. 16; Serial No. 199,682; published Oct. 7, 1924.
 Candles. J. R. Schange. 193,137; Dec. 16.
 Candy. Bunte Brothers. 192,864; Dec. 16; Serial No. 201,390; published Sept. 30, 1924.
 Candy. Collins-Hencke Candy Co. 193,046; Dec. 16; Serial No. 201,835; published Oct. 7, 1924.
 Candy. Crisp Packing Company. 192,912; Dec. 16; Serial No. 201,393; published Sept. 30, 1924.
 Candy. E. H. Du Bois. 193,104; Dec. 16; Serial No. 201,699; published Oct. 7, 1924.
 Candy. Elmer Candy Company. 193,136; Dec. 16.
 Candy. Coconut. Kibbe Brothers Company. 193,036; Dec. 16; Serial No. 196,123; published Oct. 7, 1924.
 Candy confection and sugar-coated fruits. C. R. Pearce Company. 192,985; Dec. 16; Serial No. 173,144; published Apr. 17, 1923.
 Candy confections and sugar-coated fruits. C. R. Pearce Company. 193,042; Dec. 16; Serial No. 173,143; published Apr. 17, 1923.
 Canned chick peas. United States Packing Company. 193,119; Dec. 16.
 Canned evaporated and condensed milk. Detroit Commerce Company. 193,059; Dec. 16; Serial No. 193,995; published Sept. 30, 1924.
 Canned fish. Petersburg Packing Company. 193,124; Dec. 16.
 Canned goods, coffee, etc. Geo. Hubb & Sons. 192,909; Dec. 16; Serial No. 185,003; published Sept. 23, 1924.

Canned goods, spices, tea, coffee, etc. Royal Blue Stores, Inc. 193,057; Dec. 16; Serial No. 194,488; published Sept. 30, 1924.

Canned oysters. H. O. Lowden. 193,037; Dec. 16; Serial No. 194,724; published Sept. 30, 1924.
 Canned sardines. M. de Bruyn. 193,024; Dec. 16; Serial No. 200,671; published Oct. 7, 1924.
 Canned vegetables. Cedar Falls Canning Co. 193,102; Dec. 16; Serial No. 201,538; published Oct. 7, 1924.
 Canned vegetables. Danville Wholesale Grocery Co. 193,013; Dec. 16; Serial No. 173,408; published Feb. 12, 1924.

Canned vegetables. Staub-Richardson Co. 193,103; Dec. 16; Serial No. 201,595; published Oct. 7, 1924.
 Canned vegetables and berries. Winorr Canning Company. 193,049; Dec. 16; Serial No. 201,605; published Oct. 7, 1924.

Chocolates. Boston Confectionery Company. 193,043; Dec. 16; Serial No. 145,535; published Oct. 7, 1924.
 Chocolates and candies. A. C. Croft. 192,858; Dec. 16; Serial No. 201,225; published Sept. 30, 1924.
 Coffees. Green. Westfield Brothers. 192,960; Dec. 16; Serial No. 200,792; published Sept. 30, 1924.
 Confection. Two in One Confection Company. 193,040; Dec. 16; Serial No. 182,228; published Oct. 7, 1924.
 Confections. C. B. Baker. 192,876; Dec. 16; Serial No. 199,971; published Sept. 30, 1924.
 Eggs. E. Lebers. 192,860; Dec. 16; Serial No. 201,246; published Sept. 30, 1924.
 Food comprising chocolate liquor, condensed whole milk, and sugar. National Dairy Company. 193,027; Dec. 16; Serial No. 200,506; published Oct. 7, 1924.

Fruits and vegetables. Fresh. A. W. Frost. 193,031; Dec. 16; Serial No. 198,856; published Oct. 7, 1924.
 Fruits, bananas. Earl Fruit Company. 193,149; Dec. 16.
 Grapefruit. Fresh. Southern Fruit Producers. 193,035; Dec. 16; Serial No. 197,302; published Oct. 7, 1924.
 Grapes. O. H. Churchill Co. 192,862; Dec. 16; Serial No. 201,329; published Sept. 30, 1924.
 Gum and candy. Chewing. H. E. MacConaughy. 193,033; Dec. 16; Serial No. 197,672; published Oct. 7, 1924.

Gum, Chewing. F. P. Mitchell. 193,120; Dec. 16.
 Hams and bacon. Hammond Standish & Co. 192,996; Dec. 16; Serial No. 199,696; published Oct. 7, 1924.
 Limes, Fresh. A. S. Livesey. 193,050; Dec. 16; Serial No. 201,199; published Oct. 7, 1924.
 Malt extract. H. Meinhardt & Co. 193,052; Dec. 16; Serial No. 200,891; published Oct. 7, 1924.
 Marmalade. Chivers & Sons, Limited. 193,039; Dec. 16; Serial No. 191,166; published Oct. 7, 1924.
 Marmalades, jams, jellies, etc. E. Macfarlane. 193,028; Dec. 16; Serial No. 200,503; published Oct. 7, 1924.
 Mint sauce. Kehoe Preserving Co. 193,051; Dec. 16; Serial No. 200,948; published Oct. 7, 1924.
 Oil, Corn. C. F. Simonin's Sons, Inc. 192,897; Dec. 16; Serial No. 200,530; published Sept. 23, 1924.
 Oil, Olive. Cafero & Menacaci. 193,009; Dec. 16; Serial No. 196,691; published Sept. 30, 1924.
 Oranges and grapefruit. Fresh. H. D. Miller. 193,041; Dec. 16; Serial No. 174,525; published Oct. 7, 1924.
 Oranges and lemons. Fresh. Whittier Select Citrus Association. 193,048; Dec. 16; Serial No. 201,789; published Oct. 7, 1924.

Pears and apples. Fresh. V. T. McCurdy. 193,073; Dec. 16; Serial No. 199,709; published Oct. 7, 1924.
 Sandwich filler. A. E. Wright Company. 193,074; Dec. 16; Serial No. 199,734; published Oct. 7, 1924.
 Sausage. Swift and Company. 193,122-3; Dec. 16.
 Sirup. Fruit. Hay's Fruit Juice Company. 193,155; Dec. 16.
 Sirups. Table. H. C. Long. 193,164; Dec. 16; Serial No. 198,319; published Sept. 30, 1924.
 Spices. Jns. H. Forbes Tea & Coffee Co. 193,029; Dec. 16; Serial No. 200,193; published Oct. 7, 1924.
 Sweetmeats. Gritzner & Ditzel. 193,016; Dec. 16; Serial No. 131,367; published Sept. 30, 1924.
 Teas. Nip-O-Products Co. 193,034; Dec. 16; Serial No. 197,553; published Oct. 7, 1924.
 Toffees, chocolates, and sweetmeats. Edward Sharp & Sons Ltd. 193,017; Dec. 16; Serial No. 153,670; published June 10, 1924.

CLASS 48.

Beverages. Nonalcoholic malt. Renner Products Company. 193,099; Dec. 16; Serial No. 201,208; published Oct. 7, 1924.

CLASS 50.

Waterproofed and rubberized fabrics. Pocono Rubber Cloth Company. 192,919; Dec. 16; Serial No. 201,510; published Sept. 30, 1924.

ALPHABETICAL LIST OF LABELS.

All-Oregon. For Fruited Candles. Meier & Frank Company. 27,932; Dec. 16.
 All Southern Fruits. For Candy. Milwaukee Paper Box Company. 27,933; Dec. 16.
 Healtit. For Salve. Healtit Manufacturing Co. 27,930; Dec. 16.
 Lucky Dux. For Infants' Hose. Hub Hosiery Mills. 27,931; Dec. 16.

Problem Solved. For Cod-Liver Oil Compound. A. Berkhall. 27,929; Dec. 16.
 S. P. Co. For Toilet Paper. Scott Paper Company. 27,934; Dec. 16.
 The A and P Cigar. For Cigars. Arthur-Perry Cigar Co. 27,928; Dec. 16.
 Zonite. For Antiseptic, Germ Destroyer, Disinfectant, Deodorant, and Bleach. Zonite Products Company. 27,935; Dec. 16.

ALPHABETICAL LIST OF PRINTS.

A Clear Complexion. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,619; Dec. 16.
 A Heinz Meal in the Open. For Heinz 57 Varieties. H. J. Heinz Company. 7,611; Dec. 16.
 Bigger and Better. For Bagpipe Chewing Tobacco. P. Lorillard Co. 7,620; Dec. 16.
 Brush Your Teeth With Forhan's For The Gums. For Preparation for the Teeth. Forhan Company. 7,608; Dec. 16.
 Clean Your Hands. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,617; Dec. 16.
 Empire Thrift Bonds. For Bonds. Empire Bond and Mortgage Corporation. 7,606; Dec. 16.
 Gives Girlish Beauty. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,615; Dec. 16.
 Housework Makes Rough Hands. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,616; Dec. 16.
 Improve your hands with. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,612; Dec. 16.
 Laying The Cornerstone. For Wheat Breakfast Food. Cream of Wheat Co. 7,604; Dec. 16.
 Mennen Borated Talcum. For Mennen Borated Talcum. The Mennen Company. 7,621; Dec. 16.

Safeguard your home by preventing Clogged Drain Pipes. For Drain-Pipe Solvent. Ross Manufacturing Co. 7,622; Dec. 16.
 Schelling called architecture "frozen music." For Pipe Organs. Estey Organ Company. 7,607; Dec. 16.
 She wrote a letter of introduction for a friend and sealed it! For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane and Pike Company. 7,605; Dec. 16.
 So cooling for sunburn. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,613; Dec. 16.
 The Age of "thrills!" For Wheat Breakfast Food. Cream of Wheat Co. 7,603; Dec. 16.
 To have Soft Velvety Skin. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,614; Dec. 16.
 Vacation Time. For Hinds Honey and Almond Cream. A. S. Hinds Co. 7,618; Dec. 16.
 Who Wants to Cook? For Heinz 57 Varieties. H. J. Heinz Company. 7,610; Dec. 16.
 Why We Advertise The "57." For Heinz Products. H. J. Heinz Company. 7,609; Dec. 16.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Bags and upholstery coverings. A. Little. 204,776; Dec. 16.
 Boxes and wrappers. Mason Box Co. 201,815; Dec. 16.
 Boxes, Carboy. La Brath Carboy Box Co. 202,511; Dec. 16.
 Cans and like containers. American Can Company. 145,868; Dec. 16.
 Cosmetic cases. Lucille Buhl Vanity Products, Inc. 203,108; Dec. 16.
 Shipping pack. Atlas Plywood Corp. 203,105; Dec. 16.
 Silos, Metal. W. D. Bayley, trustee. 204,745; Dec. 16.
 Tanks, drums, and cans, etc. Standard Oil Company of New York. 201,058; Dec. 16.

CLASS 4.

Cleaner, Hand. Wa-Pa Chemical Company. 202,570; Dec. 16.
 Oilstones. Norton Company. 172,118; Dec. 16.
 Polish, Metal. G. E. Mainhart. 202,173; Dec. 16.
 Polishing cloth. Marshall Field & Company. 202,620; Dec. 16.
 Soap. M. M. Fairbanks. 202,618; Dec. 16.
 Soap. J. S. Riggs. 201,717; Dec. 16.
 Soaps. Société Worth. 196,978; Dec. 16.

CLASS 5.

Adhesive cement, glue, mullage, etc. Hdr-Us Laboratories. 203,415; Dec. 16.
 Cements, Hose and gasket and plastic. Co-operative Chemical Co. 204,014; Dec. 16.
 Mending tape. Adhesive. United Drug Company. 204,286; Dec. 16.
 Paste. S. A. Maxwell & Co. 204,368; Dec. 16.

CLASS 6.

Absorbents, alteratives, anodynes, etc. Sharp & Dohme. 204,055; Dec. 16.
 Acetate of lime, acetates, and formaldehydes. Miner-Edgar Company. 186,659; Dec. 16.
 Alcohol. Miner-Edgar Company. 186,661; Dec. 16.
 Antifreeze composition for automobile radiators, etc. J. G. Collins. 203,938; Dec. 16.
 Antiseptic epithelial proliferant. W. J. Dunne. 198,847; Dec. 16.
 Bay rum. Eneglotaria Medicine Co. 203,877; Dec. 16.
 Chemical solvents. Miner-Edgar Company. 186,658; Dec. 16.

Cleaning preparation for removing iron rust, ink, etc., stains from clothing and marble. Gartside's Iron Rust Soap Co. 201,747; Dec. 16.
 Cream, complexion lotion, hair tonic, etc., Eucalyptol. J. H. Shivers. 204,522; Dec. 16.
 Creams, hair tonic, etc. Face and massage. Hermes Chemical Corp. 204,168-9; Dec. 16.
 Cyanide of soda, ferrocyanides of soda and potash, etc. British Cyanides Company, Limited. 200,610; Dec. 16.
 Disinfectant. Corona Chemical Company. 202,244; Dec. 16.
 Dyes, dyestuffs, and colors. National Aniline & Chemical Company. 204,468; Dec. 16.
 Dyestuffs. S. Jacobus. 200,450; Dec. 16.
 Epithelial proliferant. W. J. Dunne. 198,848; Dec. 16.
 Fire-extinguishing chemical powder. National Fire Extinguishing Company. 199,713; Dec. 16.
 Hemostatic. Luitpold-Werk Chemische-Pharmaceutische Fabrik. 204,321; Dec. 16.
 Hair and scalp preparations. S. M. Berg. 203,399; Dec. 16.
 Hair dye. Inecto, Inc. 204,233; Dec. 16.
 Hair restorer. J. & N. Chemical Co. 204,403; Dec. 16.
 Insecticides. Bransky & Harris. 203,251; Dec. 16.
 Insecticides and rat poisons. Xtermo Products Inc. 189,828; Dec. 16.
 Liniment. W. J. Johnson. 185,298; Dec. 16.
 Liniment, blood tonic, and laxative, etc. G. W. Eskridge Drug Co. 187,571; Dec. 16.
 Medicinal compound. Davis-Johnson Co. 186,951; Dec. 16.
 Medicinal preparation. American Pharmacal Company. 197,578; Dec. 16.
 Medicines for blood disorders, etc. Bransky & Harris. 203,250; Dec. 16.
 Ointment, Pile. F. W. Herman. 203,178; Dec. 16.
 Ointments, headache capsules, etc. Kilavo Corporation. 191,982; Dec. 16.
 Powder, Toilet. W. C. Fitz Gibbon. 204,022; Dec. 16.
 Powder, Tooth. L. A. Kessler. 150,238; Dec. 16.
 Preparation for arteriosclerosis, angina pectoris, etc. E. Tosse & Co. 204,530; Dec. 16.
 Preparation for gallstones, liver complaints, etc. J. J. Vertrees. 202,085; Dec. 16.
 Preparation used in bronchial asthma. Sagone & Cie. 198,083; Dec. 16.
 Shampoo. Jennings Sherry Co. 204,172; Dec. 16.
 Tablets and pastils, Bronchial. Aktiebolaget Pastill. 202,232; Dec. 16.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tablets for blood, stomach, and liver disorders, Herb. G. Schmidt. 203,695; Dec. 16.

CLASS 8.

Tobacco pipes, etc., Mouthpieces for. Bakelite Corporation. 198,337; Dec. 16.

CLASS 12.

Bricks, Sand-lime. American Brick Company. 203,503; Dec. 16.
Doors, Wooden. W. J. Nuss Lumber & Supply Company. 203,424; Dec. 16.
Flooring. Struble Hardwood Co. 203,207; Dec. 16.

CLASS 13.

Screws, bolts, studs, nuts, and washers. Economy Screw Corporation. 204,398; Dec. 16.
Wire, Barbed. Keystone Steel & Wire Company. 203,473; Dec. 16.

CLASS 15.

Oils and greases, Core. Buckeye Products Company. 202,739; Dec. 16.

CLASS 16.

Paint, Ready-mixed. John Lucas & Co. 203,580; Dec. 16.
Varnish. Devos & Reynolds Co. 197,710; Dec. 16.
Varnishes, paint enamels, etc. Titanine Inc. 157,503; Dec. 16.

CLASS 17.

Cigarettes, cigars, and smoking tobacco. W. C. Morgan. 201,041; Dec. 16.
Snuff. United States Tobacco Company. 202,907; Dec. 16.

CLASS 19.

Automobile brakes and timers. Lincoln Manufacturing Company. 202,512; Dec. 16.
Cars, Motor. Peerless Motor Car Company. 203,902; Dec. 16.

CLASS 22.

Cards, Playing. United States Playing Card Company. 203,547; Dec. 16.
Conster wag. Niagara Metal Stamping Corporation. 186,800; Dec. 16.
Dolls. M. F. Lowe. 188,118; Dec. 16.
Golf clubs. Crawford, McGregor and Canby Company. 203,720; Dec. 16.
Golf clubs. Thos. E. Wilson & Co. 203,858; Dec. 16.
Tricycles, Children's. Puffer-Hubbard Manufacturing Company. 204,372; Dec. 16.

CLASS 23.

Centrifugal separators. Hydroll Sales Corporation. 203,275; Dec. 16.
Check writers and printers and typewriters. E. J. Ward. 166,614; Dec. 16.
Fire extinguishers, Portable. Weldon Manufacturing Company. 187,030; Dec. 16.
Lubricating systems, grease guns, etc. Cleveland Automobile Company. 204,218; Dec. 16.
Oil and water, Apparatus for use in separating mixtures of. General Oil Conservancy Limited. 192,683; Dec. 16.
Rollers, Lawn. Dunham Company. 202,007; Dec. 16.
Tools, Automotive repair. Kent-Moore Organization. 200,263; Dec. 16.
Tractors. C. L. Best Tractor Company. 201,644; Dec. 16.
Watchmaking tools. Pennant Watch & Supply Corp. 133,679; Dec. 16.

CLASS 26.

Indexing, indicating, and recording the duties and other data relating to persons or objects, Apparatus for. Glenn & Blew. 200,930; Dec. 16.
Picture films, cameras, etc., Motion. De Forest Phonofilm Corporation. 186,589-90; Dec. 16.
Picture films, Moving. Cosmic Arts, Inc. 200,930; Dec. 16.
Pictures, Moving. Universal Pictures Corporation. 198,546; Dec. 16.

CLASS 29.

Brushes, King Cole Brush Co. 192,259; Dec. 16.
Windshield cleaners. A. M. Sturdevant. 172,617; Dec. 16.

CLASS 30.

Ceramic products. C. D. Hyten. 204,771; Dec. 16.
Crookery, earthenware, and porcelain. C. J. Dierckx. 193,389; Dec. 16.

CLASS 31.

Refrigerating machinery. Secold Electric Refrigerating Corporation. 202,958; Dec. 16.

CLASS 32.

Books for filing systems, Index. McBee Binder Company. 179,808; Dec. 16.

Chairs, Children's. Mather Brothers. 203,966; Dec. 16.
Mattresses. H. G. Lavick. 204,178; Dec. 16.
Mirrors, Hand and toilet. Art Ivory Manufacturing Co. 204,648; Dec. 16.
Rug racks. Congoleum Company. 201,917; Dec. 16.
Shades, Porch. C. W. Warren. 203,768-9; Dec. 16.

CLASS 33.

Glass, Sheet. Pittsburgh Plate Glass Company. 201,715; Dec. 16.

CLASS 34.

Burner, Automatic coal. Portland Wire & Iron Works. 203,835; Dec. 16.
Oil burners. Oilking Burner Sales Corporation. 204,187; Dec. 16.
Oxyacetylene cutting apparatus. Air Reduction Company. 203,994-5; Dec. 16.
Oxyacetylene welding torches, cutting torches, acetylene generators, etc. Big Three Welding & Equipment Company. 200,668; Dec. 16.
Ranges and cookers, Gas. Lelzer Gas Stove Co. 204,364; Dec. 16.

CLASS 35.

Hose, belting, packing, and jar rings. J. W. Buckley Rubber Co. 204,749-51; Dec. 16.
Hose, Fire. Wm. & Chas. Beck, Inc. 177,540; Dec. 16.
Rubber repair outfits. Super-Weld Mfg. Company. 204,729; Dec. 16.
Tire patches. C. V. Hall. 202,060; Dec. 16.

CLASS 37.

Mounts used for mounting photographic reproductions. J. H. Harris. 203,079; Dec. 16.
Paper, paper crepe napkins, etc., Toilet. Stone and Forsyth Company. 196,989; Dec. 16.
Paper, Toilet. Great Atlantic & Pacific Tea Company. 203,269; Dec. 16.
Paper, Toilet. Northern Paper Mills. 201,674; Dec. 16.
Paper, Writing. Chatfield & Woods Company. 203,165; Dec. 16.
Papers, bristol board, cardboard, and envelopes. J. W. Butler Paper Co. 202,485; Dec. 16.
Pencils, elastic bands, pens, etc. Schwan-Bleistift-Fabrik A-G. 199,856; Dec. 16.
Pencils, penholders, and erasers. Schwan-Bleistift-Fabrik A-G. 199,860; Dec. 16.
Stationery, letter paper, printed blanks, etc. McBee Binder Company. 195,972-3; Dec. 16.

CLASS 38.

Bulletin. Gutttag Bros. 202,778; Dec. 16.
Cartoons. George Matthew Adams Service. 203,993; Dec. 16.
Circulars, Printed advertising. Sales-Producing Circular Co. 201,905; Dec. 16.
Journal, Automatic Electric Company. 204,080; Dec. 16.
Journal published monthly, Trade. J. W. Forsdinger Co. 203,626-7; Dec. 16.
Magazine. Jordan Motor Car Company. 201,173; Dec. 16.
Magazine article, Daily. Vanderbilt Newspapers, Inc. 204,531-2; Dec. 16.
Magazine, Ilmonthly. Dennison Manufacturing Company. 204,896; Dec. 16.
Magazine, Monthly. De Forest Radio Telephone and Telegraph Company. 202,743; Dec. 16.
Magazine, Monthly. Everybody's Poultry Magazine Publishing Co. 204,548; Dec. 16.
Magazine, Monthly. Hilmer V. Swenson Advertising Co. 199,401; Dec. 16.
Magazine, Quarterly. Dennison Manufacturing Company. 204,895; Dec. 16.
Magazine, Weekly. Amusement Publishing Co. 203,293; Dec. 16.
Magazine, Weekly. W. Bornheim. 202,789; Dec. 16.
Publication. Surber-Arundale Company. 203,846; Dec. 16.
Publication, Monthly. American Bottlers of Carbonated Beverages. 202,917; Dec. 16.
Publication, Monthly. Atlas Letter Service, Inc. 204,139; Dec. 16.
Publication, Name of a weekly. Educational News Company. 204,399; Dec. 16.
Publication, Semimonthly. Review and Herald Publishing Assn. 203,648; Dec. 16.
Publication, Weekly agricultural. Texas Farm & Ranch Publishing Company. 204,803; Dec. 16.
Publications, Monthly. Review and Herald Publishing Assn. 203,647; Dec. 16.
Radiobroadcasting. Books and pamphlets of copy for. O. Jones. 185,466; Dec. 16.

CLASS 39.

Blouses and shirts, Boys'. Reliance Manufacturing Company. 203,389; Dec. 16.
Boots and shoes. Carlisle Shoe Company. 204,008; Dec. 16.
Boots and shoes. International Shoe Company. 204,034; Dec. 16.

Boots and shoes. Rice and Hutchins, Incorporated. 203,904; Dec. 16.
Boots, shoes, and slippers. Beck Hazard, Inc. 202,921; Dec. 16.

Cloaks, suits, and dresses. Hollywood Fashion Frocks, Inc. 203,080; Dec. 16.
Coats, Marshall Field & Company. 203,460; Dec. 16.
Coats and capes, Ladies'. W. Kleinberg. 204,036; Dec. 16.

Coats, cloaks, suits, etc., Women's. French-American Cloak & Suit Mfg. Co. 204,023; Dec. 16.
Coats, cloaks, wraps, etc. Salt's Textile Company. 203,592; Dec. 16.

Coats, cloaks, wraps, etc. Salt's Textile Company. 203,594; Dec. 16.
Coats, cloaks, wraps, etc. Salt's Textile Company. 203,598; Dec. 16.

Coats, cloaks, wraps, etc. Salt's Textile Company. 203,602; Dec. 16.
Coats, cloaks, wraps, etc. Salt's Textile Company. 203,604; Dec. 16.

Coats, suits, dresses, and waists. Well & Hartmann. 202,991; Dec. 16.
Coats, suits, dresses, etc., Women's. M. F. Howe. 185,968; Dec. 16.

Coats, vests, trousers, hats, etc. Abraham & Straus, Inc. 186,094; Dec. 16.
Corset and brassiere, Combination. Lily of France Corset Co. 204,614; Dec. 16.

Corsets, brassieres, girdles, and women's underwear. R. B. Seognamille. 203,698; Dec. 16.
Cropers, rompers, play suits, etc. S. H. Bauneker. 203,573; Dec. 16.

Dresses and gowns. Hirschfeld-Oresman Dress Co. 204,554; Dec. 16.
Dresses, skirts, underwear, etc. American Feml-wear Corporation. 203,066; Dec. 16.

Gloves, Abraham & Straus, Inc. 203,706; Dec. 16.
Gloves, Comet Textile Co. 202,241; Dec. 16.
Gloves, David & Blum, Inc. 201,746; Dec. 16.

Gloves, Leather. Daniel Hays Company. 204,708; Dec. 16.
Hats and caps. Pickett Headwear Company. 204,189; Dec. 16.

Hats, Women's. A. I. Stephens & Company. 203,446; Dec. 16.
Hose, ladies' dresses, underwear, etc. British Celanese Limited. 204,084; Dec. 16.

Hosiery. McAllester Hosiery Mills, Inc. 204,322; Dec. 16.
Hosiery. Rollins Hosiery Mills. 204,476; Dec. 16.
Hosiery. Standard Manufacturing Company. 204,525; Dec. 16.

Knickknackery. Berger Overall Mfg. Co. 204,437; Dec. 16.
Lingerie and hosiery. Frances Knitting Mills, Inc. 204,093; Dec. 16.

Overalls and overall sack coats. Sweet-Orr & Co. 182,488; Dec. 16.
Overalls, shirts, and hosiery. F. Nahon. 203,584; Dec. 16.

Shoes. L. Klein. 202,397; Dec. 16.
Shoes. Royal Boot Shop Inc. 203,692; Dec. 16.
Shoes, Children's leather. McGrath Shoe Co. 199,846; Dec. 16.

Shoes, Men's. Whitehouse & Hardy, Inc. 203,613; Dec. 16.
Shoes, Men's leather. Strawbridge & Clothier. 187,968; Dec. 16.

Shoes, Orthopedic. J. R. Ayres. 202,091; Dec. 16.
Shoes, Composition shoe. J. Ullman & Sons. 203,762; Dec. 16.

Suits for men and boys. Porter Clothing Company. 201,412; Dec. 16.
Sweaters and knitted underwear. Bunkerl Knitting Company. 204,348; Dec. 16.

Sweaters, children's suits, and women's dresses. Manufacturers Home Service Inc. 203,527; Dec. 16.
Trousers. Match Pants Co. 200,630; Dec. 16.

CLASS 42.

Bedsprings. Cannon Mills, Inc. 202,277; Dec. 16.
Cashmere and wool cloth. S. Stroock & Company. 204,578; Dec. 16.

Cotton piece goods. Cannon Mills, Incorporated. 204,753; Dec. 16.
Cotton piece goods. Neuss, Hesslein & Co. 204,469; Dec. 16.

Fabrics in the piece, Pile. Sidney Blumenthal & Co. 202,547; Dec. 16.
Hair nets. J. Gighet. 193,455; Dec. 16.

Lining fabrics in the piece, Stiffening. Recher Bros. Ltd. 202,035; Dec. 16.
Silk knitted cloth in the bolt, Artificial. Banner Silk Knitting Mills, Inc. 204,810; Dec. 16.

Skirts, capes, etc., Material for sport. K. B. Rossire. 203,093; Dec. 16.
Upholstery fabrics. Salt's Textile Company. 203,590; Dec. 16.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Woolen piece goods. Forstmann & Hoffmann Company. 204,593; Dec. 16.
Woolen piece goods. Forstmann & Hoffmann Company. 204,596-7; Dec. 16.

Woolen piece goods. Forstmann & Hoffmann Company. 204,600-1; Dec. 16.
Woolen piece goods. Forstmann & Hoffmann Company. 204,603-4; Dec. 16.

Worsted and woolen dress goods. F. A. Bochmann & Co. 196,689; Dec. 16.
Worsted and woolen textile fabrics. Holden-Leonard Company. 203,953; Dec. 16.

CLASS 45.

Beverages and compounds and sirups for making the same. Fruit. San Antonio Beverage Sirup Company. 200,693; Dec. 16.

Beverages sold as soft drinks. American Soda Water Company. 203,778; Dec. 16.
Beverages sold as soft drinks. W. C. Morgan. 201,040; Dec. 16.

Sirup used for making soft drinks. J. E. Meyer. 203,048; Dec. 16.
Water for beverage. Natural spring. Magnetic Springs Water Co. 203,688; Dec. 16.

CLASS 46.

Apples. Peshastin Fruit Growers Association. 204,047; Dec. 16.
Biscuits. American Biscuit Company. 202,688; Dec. 16.

Cakes, cookies, fried cakes, etc. Grennan Cake Corporation. 201,844; Dec. 16.
Candy. Circus Sally Company. 187,089; Dec. 16.

Candy. Crane Co. 204,502; Dec. 16.
Candy. Gardner's Candies, Inc. 201,399-400; Dec. 16.
Candy. Hawley & Hoops. 202,109; Dec. 16.

Candy. F. C. Mars. 194,461; Dec. 16.
Candy. Pacific Coast Biscuit Company. 204,519; Dec. 16.

Candy. Rosenberger & Currier. 203,538; Dec. 16.
Candy. Peter Sisco Company. 201,984; Dec. 16.
Candy. Chocolate. Bishop & Company. 204,536; Dec. 16.

Canned berries, fruits, and vegetables. Eugene Fruit Growers Association. 204,400; Dec. 16.
Canned corn. Big Stone Canning Company. 201,532; Dec. 16.

Canned fruits. Pratt-Low Preserving Company. 202,599; Dec. 16.
Canned fruits and vegetables. Beesmyer-Waggoner Inc. 204,435; Dec. 16.

Canned fruits, vegetables and honey. Simon Levi Company. 195,894; Dec. 16.
Canned herring and mackerel. Marshall & Company (Aberdeen) Ltd. 202,592; Dec. 16.

Canned sardines, kippered herring, etc. S. A. Hiram & Co. 198,306; Dec. 16.
Canned shrimp. Atlantic Sea Products Co. 192,591; Dec. 16.

Canned tomatoes, corn, peas, and beans. Joseph Campbell Company. 172,368; Dec. 16.
Canned vegetables, apple sauce, apples in water, and pea soup. Heart of Maine Packing Company. 203,516; Dec. 16.

Cantaloupes, vegetables, citrus fruits, etc. J. Besone. 197,652; Dec. 16.
Chocolate. Norma Chocolate Company. 204,323; Dec. 16.

Coffee and spices. Rogers Siler Grocery Co. 191,509; Dec. 16.
Coffee essence with chicory. R. Paterson & Sons Ltd. 202,459-60; Dec. 16.

Coffee, Imitation. A. Cornell. 163,140; Dec. 16.
Dates. Date Corporation of America. 199,827; Dec. 16.

Flour and corn meal. Hubbard Milling Company. 183,185; Dec. 16.
Flour, Wheat. Chas. A. Jones Flour & Grain Co. 200,262; Dec. 16.

Flour, Wheat. H. H. King Flour Mills Company. 184,735; Dec. 16.
Food, Hog mineral. Farmstead Mineral Manufacturing Company. 203,030; Dec. 16.

Fruit, Preserved. Keystone Fruit Products Company. 202,212; Dec. 16.
Fruit sauce and pulp. W. D. Kemp. 188,207; Dec. 16.

Fruits, Citrous. Mutual Orange Distributors. 204,184-5; Dec. 16.
Grapes, vegetables, and deciduous fruits, Fresh. L. K. Small Company. 199,397; Dec. 16.

Honey. Hofmann Brothers Produce Company. 185,927; Dec. 16.
Jams, fruit preserves, mincemeat, etc. Wm. P. Hartley. (London & Alntree) Limited. 196,957; Dec. 16.

Lard. Western Meat Company. 202,838; Dec. 16.
Macaroni. G. & J. Lo Bue Brothers. 194,606; Dec. 16.
Malt extract. J. J. Kaminskis. 203,238; Dec. 16.

Mayonnaise salad dressing and Thousand Island dressing. Harvard Food Products Co. 204,401; Dec. 16.
Milk, Malted. K. Manas. 203,737; Dec. 16.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Milk, potted meat products and cereal, etc., Evaporated. Parsons & Scoville Company. 203,484; Dec. 16.	Powder, Custard. Custard O Company. 201,920; Dec. 16.
Noodles, Egg. L. L. Ginsburg. 204,314; Dec. 16.	Salad dressing, coffee, canned goods, etc. Reid, Murdoch & Co. 164,268; Dec. 16.
Nuts, Hills Brothers Company. 202,967; Dec. 16.	Shortening, Cottonseed and oleostearine. Western Meat Company. 202,832; Dec. 16.
Oranges, grapefruit, and tangerines. United Brotherhood of Carpenters & Joiners. 202,531; Dec. 16.	Sirup for food purposes, Malt. S. L. Goldman. 203,810; Dec. 16.
Peanut butter. Walter J. Hirsch Company. 203,273; Dec. 16.	Sirup for food purposes, Malt. N. Milgram. 201,203; Dec. 16.
Pickles, chowchow, olives, etc. National Fruit Product Company. 198,720; Dec. 16.	Spaghetti. Joseph Campbell Company. 162,608; Dec. 16.
Pineapples, Fresh. West Indies Fruit Importing Co. 202,909; Dec. 16.	

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Snap switch. 1,519,229; Dec. 16.
- Aalborg, Christian, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,519,230; Dec. 16.
- Abbott, Charles A., Springfield, Ohio. Jack. 1,519,893; Dec. 16.
- Abilene Manufacturing Company. (See Rutherford, Marvin E., assignor.)
- Adam, Harry C., St. Louis, Mo. Lighting-fixture urn. Des. 66,220; Dec. 16.
- Adams, Arthur H., Lakeville, Conn., assignor to The North Electric Manufacturing Company, Gallon, Ohio. Restoring means for automatic switches. 1,519,343; Dec. 16.
- Adams, Henry L., Hoosick, N. Y. Tire carrier. 1,519,894; Dec. 16.
- Adert, Leopold, Berlin, Germany. Alternating-current meter. 1,519,098; Dec. 16.
- Adkins, Nellie G., St. Marys, W. Va. Medicinal vaporizer. 1,519,713; Dec. 16.
- Aguliar, Sebastian, Pueblo, Colo. Climbing device. 1,519,748; Dec. 16.
- Alasworth, Harry G., Kentland, Ind. Door control. 1,519,749; Dec. 16.
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Graemiger, Benjamin, assignor.)
- Alexander, Arthur A., New York, N. Y. Keying device for power transmission. 1,519,474; Dec. 16.
- Allemeler, Herbert, Maumee, Ohio. Cutting spherical openings. 1,519,344; Dec. 16.
- Allen, Charles H., Chicago, Ill., assignor, by mesne assignments, to The Allenite Company. Headlight. 1,519,345; Dec. 16.
- Allen, Erhard, assignor to The Dayton Display Fixture Company, Dayton, Ohio. Shelf for box and can racks. 1,519,280; Dec. 16.
- Allen, Willes W., Bakersfield, Calif. Lawn-mower attachment. 1,519,714; Dec. 16.
- Allenite Company, The. (See Allen, Charles H., assignor.)
- Allums, Alfred C., assignor of one-half to R. C. Holland, Hazard, Ky. Combined bottle cap and opener. 1,519,100; Dec. 16.
- Altorfer, Alpheus W., Peoria, Ill. Washing machine. 1,519,475; Dec. 16.
- Altorfer, Alpheus W., Peoria, Ill. Washing machine. 1,519,715; Dec. 16.
- Automatic Appliance Company, The. (See Mapel, Lewis A., assignor.)
- American Automatic Connector Company, The. (See Barber, Martin A., assignor.)
- American Bromine Company. (See Tobler, Henri, assignor.)
- American Can Company. (See Butler, William F., assignor.)
- American Can Company. (See Hothersall, John M., assignor.)
- American Can Company. (See Sellars, W. S., and Clark, assignors.)
- American Casting and Manufacturing Corporation. (See Dietze, Emil, assignor.)
- American Chain Company. (See Fageol, Rollie B., assignor.)
- American Engineering Company. (See Weingartner, Anthony E., assignor.)
- American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
- American Lithographic Company. (See Dietsche, Adolph, Jr., assignor.)
- American Lithographic Company. (See Townsend, John W., assignor.)
- American Lurgi Corporation. (See Specketer, H., Münch, and Rossteutscher, assignors.)
- American Radiator Company. (See Marshall, Aquila R., assignor.)
- American Steel Products Co. (See Gaddis, Hugh L., assignor.)
- American Telephone and Telegraph Company. (See Clark, A. B., and Martin, assignors.)
- American Telephone and Telegraph Company. (See Clark, A. B., Gannett, and Nyquist, assignors.)
- American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
- American Telephone and Telegraph Company. (See Martin, William H., assignor.)
- American Wire Cord Tire Company, The. (See Weigel, Daniel M., assignor.)
- Andersen, Andrew C., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Night lock. 1,519,346; Dec. 16.
- Anderson, Laurits A., Audubon, Iowa. Produce carrier. 1,519,433; Dec. 16.
- Anderson, Lottie E., assignor of one-half to W. E. Warwick, Chicago, Ill. Controlling device for liquid receptacles. 1,519,347; Dec. 16.
- Anderson, Peter M., Springdale, Wis. Gas-mixing valve. 1,519,649; Dec. 16.
- Andrews, Albert, Sheridan, Wyo. Transmission mechanism. 1,519,895; Dec. 16.
- Anglemyer, Carl M. (See Coffman, W. P., and Anglemyer.)
- Anso Photoproducts, Incorporated. (See Furry, Edmond G., assignor.)
- Appleton, Ernst G., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill. Electrical connecting fixture. 1,519,651; Dec. 16.
- Archer, Calvert B. (See Sindler, Jay J., assignor.)
- Ardell, Emmett A., Pueblo, Colo. Building brick. 1,519,009; Dec. 16.
- Armand Company, The. (See Stevens, Frank M., assignor.)
- Arnold, Clarence L., and S. F. Bates, Sullivan, assignors of one-third to J. R. Farrar and E. E. Mathias, Leslie, Mo. Egg candler. 1,519,896; Dec. 16.
- Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Excavating device. 1,519,101; Dec. 16.
- Arrow Electric Company, The. (See Nero, Arvid H., assignor.)
- Ashmore, George. (See Ashmore, John and G.)
- Ashmore, John and G., Philadelphia, Pa. Warp-cutting device for use in pile-fabric looms. 1,519,750; Dec. 16.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lock-stitch sewing machine. 1,519,652; Dec. 16.
- Asplund, Peter, Tecumseh, Nebr. Trenching machine. 1,519,897; Dec. 16.
- Assala, Anthony, Des Moines, Iowa. Propeller. 1,519,102; Dec. 16.
- Aular, Percy W. (See Fisher, C. E., and Aular.)
- Aus der Mark, Friedrich, Essen-Altenessen, assignor to Firm of K & Th. Möller Gesellschaft mit beschränkter Haftung, Brackwede, Germany. Air filter. 1,519,739; Dec. 16.
- Austin, Ernest C., Wayne, Mich. Shock absorber. 1,519,650; Dec. 16.
- Austin, Harry E., Chicago, Ill. Holder for calendars, etc. 1,519,653; Dec. 16.
- Auto Table Co. (See Harvey, Kelly B., assignor.)
- Automatic Coin Stacker Corporation, The. (See Williamson, John A., assignor.)
- Ayscue, John H., Mount Pleasant, S. C. Spraying machine. 1,519,103; Dec. 16.
- Ayton-Blake, James, London, England. Oil lamp. 1,519,235; Dec. 16.
- B/G Sandwich Shops, Inc. (See Brooks, Thomas O., assignor.)
- Bacon, Nathaniel T., Peace Dale, R. I., assignor to The Solvay Process Company, Solvay, N. Y. Apparatus for recovering mixed salts from solution. 1,519,476; Dec. 16.
- Bailey, Morris J., Winthrop, Mass. Extension delivery mechanism. 1,519,817; Dec. 16.
- Baker, Conrad, Florence, Kans. Rod carrier. 1,519,104; Dec. 16.
- Baker, Erle K., assignor to Baker Wheel & Rim Company, Chicago, Ill. Extensible wheel carrier. 1,519,751; Dec. 16.
- Baker, Harry G., Worcester, Mass. Applying driving bands to spindles. 1,519,183; Dec. 16.
- Baker Wheel & Rim Company. (See Baker, Erle K., assignor.)
- Baldwin Locomotive Works, The. (See Vauclain, J. L., and Pfeiffer, assignors.)
- Balke, Will R. (See Kramer, W., and Balke.)
- Banks, Charles S., Manila, P. I. Generating hydrocyanic-acid gas. 1,519,434; Dec. 16.
- Bannister, Edward J., Milwaukee, Wis. Marking device for pies. 1,519,752; Dec. 16.
- Banta, Robert R., Chicago, Ill. Automatic flush valve. 1,519,654; Dec. 16.

Barber, Martha A., Cleveland, Ohio, assignor to The American Automatic Connector Company, Wyoming, Del. Automatic train-pipe connector. 1,519,184; Dec. 16.

Barnes, George W., assignor to Simmons Company, Kenosha, Wis. Assembling wire spring fabrics. 1,519,348; Dec. 16.

Barnett, Henry E., Summit, Miss. Auxiliary transmission for motor cars. 1,519,525; Dec. 16.

Barthel, Oliver E., Detroit, Mich. Guiding means for car bodies. 1,519,349; Dec. 16.

Bass, E. & J., Inc. (See Negbauer, Harry, assignor.)

Bates, James, Lorain, Ohio. Jar cabinet. 1,519,968; Dec. 16.

Bates, Samuel F. (See Arnstead, C. L., and Bates.)

Bauer Brothers Company, The. (See Daniel, Allan P., assignor.)

Bauersfeld, Walther, assignor to the Firm Carl Zeiss, Jena, Germany. Device for making cinematographic exposures. 1,519,105; Dec. 16.

Baurichter, Emil, Ludwigschaven, Germany, assignor to C. A. Hahn, St. Louis, Mo. Combined smelter and ladle. 1,519,290; Dec. 16.

Bench, William C., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,519,477; Dec. 16.

Benn, Joseph S., Mill Village, N. H. Rail joint. 1,519,716; Dec. 16.

Benn, Othello L., and J. W. Rasmussen, assignors to C. S. and Foreign Patents Holding Co., Los Angeles, Calif. Cylinder-grinding machine. 1,519,526; Dec. 16.

Beaton, Robert K., Greenock, Scotland. Varying the delivery of pumps. 1,519,478; Dec. 16.

Beaver Products Co., The. (See Williams, Clarence E., assignor.)

Bechtold, Charles, Glendale, N. Y. Faced crown and making the same. 1,519,969; Dec. 16.

Beck, Frank J., Boston, Mass. Drapery-supporting ring. 1,519,106; Dec. 16.

Beisel Spring Wheel Corporation. (See Beisel, William J., assignor.)

Beisel, William J., Port Richmond, assignor to Beisel Spring Wheel Corporation, New York, N. Y. Spring wheel. 1,519,898; Dec. 16.

Belding, George A., Billings, Mont. Metal shingle. 1,519,350; Dec. 16.

Bell, Frank B., Pittsburgh, Pa. Furnace. 1,519,970; Dec. 16.

Benjamin, Oscar P., assignor to Capitol Brass Works, Detroit, Mich. Stop and waste valve. 1,519,231; Dec. 16.

Bennet, Frank A., Ada, Minn. Gasoline filter. 1,519,479; Dec. 16.

Benner, Raymond C., Bayside, N. Y., assignor to National Carbon Company, Inc. Apparatus for radiocommunication. 1,519,899; Dec. 16.

Benson, Harry F., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Shaft bearing. 1,519,591; Dec. 16.

Berndt, Arthur A., assignor to Kurz Bros. Co., Chicago, Ill. Bottle crate. 1,519,655; Dec. 16.

Berndt, Arthur A., assignor to Kurz Bros. Co., Chicago, Ill. Fabricated metallic structure. 1,519,656; Dec. 16.

Bernier, Daniel E., Mercedfield, N. Y. Pulley-fastening device. 1,519,236; Dec. 16.

Berry, George W. (See Rhodes, C. J., and Berry.)

Bertram, Henry W., Elwood, Ind. Machine for making wedge tone dovetail joints. 1,519,753; Dec. 16.

Berry, Antoine, Paris, France. Safety razor. 1,519,185; Dec. 16.

Bethlehem Steel Company. (See Greenwell, Nevill, assignor.)

Bethlehem Steel Company. (See Hummel, Howard H., assignor.)

Beyer, Herbert G., assignor to Rae-Lite Manufacturing Co., Baltimore, Md. Parking light. Dec. 66,221; Dec. 16.

Biggert, Florence C., Jr., Crafton, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Mill. 1,519,657; Dec. 16.

Biggs, Robert H., St. Catharines, Ontario, Canada. Paper tape magazine holder. 1,519,480; Dec. 16.

Bilodenn, Arthur J., Melbourne, Quebec, Canada. Freight-car-door lock. 1,519,717; Dec. 16.

Bing, William S., San Diego, Calif. Branding apparatus. 1,519,481; Dec. 16.

Birkigt, Marc, Bols Colombes, France. Universal joint. 1,519,900; Dec. 16.

Bishop, Carl E., Mitchellville, Iowa. Boiler for steam engines and the like. 1,519,435; Dec. 16.

Bishop, Frederic L., Pittsburgh, Pa. Making conduits. 1,519,658; Dec. 16.

Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Tuft-tube frame for weaving. 1,519,987; Dec. 16.

Blabon, George W., Company, The. (See Tamberlin, John, assignor.)

Blair, Mark, Springfield, Mass. Snowplow. 1,519,718; Dec. 16.

Blair, Robert S., Sound Beach, Conn. Brush construction. 1,519,232; Dec. 16.

Blair, Robert S., Sound Beach, Conn. Fender for vehicles. 1,519,233; Dec. 16.

Blood, Harold L., North Plainfield, N. J., assignor to Siles-Bement-Pond company, New York, N. Y. Radial drilling machine. 1,519,351; Dec. 16.

Blow, Joseph E., La Cygne, Kans. Chicken roost. 1,519,818; Dec. 16.

Boaz, John W., Southend-on-Sea, J. M. Brown, Ilford, and P. J. Hawkins, London, England. Dunnage strip. 1,519,901; Dec. 16.

Boize, Rudolph A., Pleasantville, N. Y., and E. W. Demman, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Heater control. 1,519,234; Dec. 16.

Bond, Reuben W., Newport, Wales. Shutter for cinematograph apparatus. 1,519,392; Dec. 16.

Bonsall, Charles D., Parnassus, Pa., assignor to W. P. Murphy, New York, N. Y. Car-wall structure. 1,519,186; Dec. 16.

Booth, James S., Detroit, Mich. Hood lock. 1,519,352; Dec. 16.

Borden Company, The. (See Milton, William E., assignor.)

Born, William A., Chicago, Ill. Cutter-bar tool. 1,519,949; Dec. 16.

Bouhgan, Charles W., Hedrick, Iowa. Vacuum cleaner. 1,519,950; Dec. 16.

Bowen-Dumars Power Corporation. (See Bowen, W. S., and Dumars, assignors.)

Bowen, William S., and H. Dumars, assignors to Bowen-Dumars Power Corporation, New York, N. Y. Refrigeration and power system. 1,519,353; Dec. 16.

Bowerman, Joseph A., Wilbraham, T. Midgley, Hampden, and M. Casticum, Springfield, assignors to The Elsk Rubber Company, Chicopee Falls, Mass. Manufacture of bead fillers. 1,519,482; Dec. 16.

Bowman, Jessie B., Middlesboro, Ky. Breast drill. 1,519,551; Dec. 16.

Bowser, S. F., & Co. (See Griffith, Clement P., assignor.)

Bradley, Charles E., Montclair, N. J., and J. McGavack, Elmhurst, N. Y., assignors to Naugatuck Chemical Company. Producing photographic and other films. 1,519,659; Dec. 16.

Brady, Thomas E., Wichita, Kans., assignor to L. Schwab, doing business as Stevens & Company, New York, N. Y. Assembling clamp. 1,519,187; Dec. 16.

Brandon, David C., Balikpapan, Borneo, Dutch East Indies. Dephlegmator. 1,519,719; Dec. 16.

Braun Corporation, The. (See Brown, Nicholas E., assignor.)

Bray, William C. (See Lamb, A. B., and Bray.)

Brewer, Charles H., Allentown, Pa., assignor to Fuller-Lehigh Company. Pulverizing mill. 1,519,990; Dec. 16.

Brewer, Charles H., Allentown, Pa., assignor to Fuller-Lehigh Company. Pulverizing mill. 1,519,991; Dec. 16.

Brewer, Charles H., Allentown, Pa., assignor to Fuller-Lehigh Company. Pulverizing mill. 1,519,992; Dec. 16.

Brett, Carl N., Louisville, Ky. Hedge cutter. 1,519,291; Dec. 16.

Brettenstein, Julius G., Chicago, Ill. Meter attachment for sewing machines. 1,519,660; Dec. 16.

Breslau, Adolph, New York, N. Y. Combination wig and bandeau. 1,519,107; Dec. 16.

Briggs, Alfred A., New York, N. Y. Flush tank fixture. 1,519,188; Dec. 16.

Brix, Harold, assignor to Sharp & Smith, Chicago, Ill. Knife-blade sharpener. 1,519,661; Dec. 16.

Broberg, Mabel, administratrix. (See Broberg, Oscar W.)

Broberg, Oscar W., deceased, Cleveland, Ohio; M. Broberg, administratrix. Fuel economizer for internal-combustion engines. 1,519,393; Dec. 16.

Brock, Lawrence E., Troy, Ohio. Figure toy. 1,519,436; Dec. 16.

Broecker, Louis C. (See Rand, J. H., Jr., and Broecker.)

Brooke, Lloyd A., Landover, Md. Coupling for armored cables. 1,519,108; Dec. 16.

Brooks, Thomas O., Dallas, Tex., assignor to H/G Sandwich Shops, Inc., Kansas City, Mo. Card rack. 1,519,394; Dec. 16.

Brown Company. (See Richter, George A., assignor.)

Brown, Florence B., administratrix. (See Brown, Thomas E.)

Brown, George R., deceased, Oklahoma City, Okla., by W. Brown, temporary administrator, Ashwood, assignor to Clayton Gln Compress Co., Houston, Tex. Baling press. 1,519,109; Dec. 16.

Brown, James L., New Richmond, Wis. Bag holder. 1,519,662; Dec. 16.

Brown, John M. (See Boaz, J. W., Brown, and Hawkins.)

Brown, John W., Jr., Philadelphia, Pa. Work-positioning device for drilling machines. 1,519,952; Dec. 16.

Brown, Nicholas E., Los Angeles, Calif., assignor to The Braun Corporation. Vibrating screen. 1,519,237; Dec. 16.

Brown, Robert H., Scranton, Pa., assignor to U. S. Slicing Machine Company, Laporte, Ind. Slice receiver for slicing machines. 1,519,354; Dec. 16.

Brown, Thomas E., deceased, New York, N. Y.; F. B. Brown, administratrix. Drawbridge. 1,519,189; Dec. 16.

Brown, Walter, temporary administrator. (See Brown, George R.)

Brownell, Barnett M., assignor to Diamond Metal Products Co., St. Louis, Mo. Flexible pipe joint. 1,519,110; Dec. 16.

Brownell, Barnett M., assignor to Diamond Metal Products Co., St. Louis, Mo. Pipe coupling. 1,519,111; Dec. 16.

Brubaker, John A., assignor to The Haughton Elevator & Machine Co., Toledo, Ohio. Door-control mechanism. 1,519,355; Dec. 16.

Burch, Frederick W., Pueblo, Colo. Tire rack. 1,519,720; Dec. 16.

Bucyrus Company. (See Ferris, W., and Keese, assignors.)

Bumbough, Ralph R., and C. W. Stone, Los Angeles, Calif. Muffler. 1,519,527; Dec. 16.

Bunting, Reiner L., Columbus, Neb., assignor to F. S. Davis, W. D. Eggert, C. E. Devlin, and F. A. Olcott. Combination fender brace and bumper. 1,519,356; Dec. 16.

Burger, Ben E., Placerville, Calif. Double-compartment toilet bowl or water-closet. 1,519,112; Dec. 16.

Burgess, Robert, Newton Center, assignor of one-half to J. H. Jones, Winthrop, Mass. Cup-spinning frame. 1,519,663; Dec. 16.

Burkart, Nicholas, Los Angeles, Calif. Bath brush and holder. 1,519,721; Dec. 16.

Burkhart, Henry A., Fitzgerald, Ga. Trap. 1,519,113; Dec. 16.

Burllin, Leslie H., Chicago, Ill. Bracket for lamp and like stands. Dec. 66,222; Dec. 16.

Burlock-Walford Co. (See Chapman, Frank F. B., assignor.)

Burmester, William T., Lakewood, Ohio. Clamping device. 1,519,114; Dec. 16.

Burns, George J., Youngstown, Ohio. Fuel system for internal-combustion engines. 1,519,483; Dec. 16.

Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Spiral-winder cut-off mechanism. 1,519,754; Dec. 16.

Cahouet, Ralph H., trustee. (See McTarnahan, John T.)

Calkins, James M., Chicago, Ill. Dirigible headlight for vehicles. 1,519,437; Dec. 16.

Callahan Distributor Company. (See Callahan, John W., assignor.)

Callahan Distributor Company. (See Dushinberre, G. B., and Callahan.)

Callahan, John W. (See Dushinberre, G. B., and Callahan.)

Callahan, John W., Wellsboro, Pa., assignor, by mesne assignments, to Callahan Distributor Company, Incorporated. System and apparatus for distributing loose material. 1,519,953; Dec. 16.

Callahan, John W., Wellsboro, Pa., assignor, by mesne assignments, to Callahan Distributor Company, Incorporated. Hay distributor. 1,519,954; Dec. 16.

Camp, Ervin M., Chicago, Ill. Molding machine for shaping plastic material out of concrete and other material. 1,519,902; Dec. 16.

Campbell, Charles A., New York, N. Y. Lighting globe. Dec. 66,223; Dec. 16.

Campbell, Elbert L., assignor of one-half to L. S. Fisher, Tacoma, Wash. Pump. 1,519,664; Dec. 16.

Campbell, Harry, Chicago, Ill. Elevating and tilting device for automobiles. 1,519,357; Dec. 16.

Campbell, John G., assignor to Delco-Light Company, Dayton, Ohio. Flywheel fan. 1,519,903; Dec. 16.

Capitol Brass Works. (See Benjamin, Oscar P., assignor.)

Carol, Charles W., Globe, Ariz. Chicken hover. 1,519,115; Dec. 16.

Carr Fastener Company. (See Carr, Fred S., assignor.)

Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,519,528; Dec. 16.

Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,519,529; Dec. 16.

Carrigan, Jesse L., Birmingham, Ala. Screen door or window. 1,519,358; Dec. 16.

Carter, Ollie D., et al. (See Robb, Alex L., assignor.)

Cassaday, Ormond F., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Interrupter circuits. 1,519,603; Dec. 16.

Castleman, Francis L., Pencoed, Pa. Column construction. 1,519,292; Dec. 16.

Casticum, Martin. (See Bowerman, J. A., Midgley, and Casticum.)

Catron, John J., assignor to Catron Manufacturing Company, Bonham, Tex. Fluid-dispensing apparatus. 1,519,484; Dec. 16.

Catron Manufacturing Company. (See Catron, John J., assignor.)

Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Broom. 1,519,359; Dec. 16.

Chadwick, Lee S., Shaker Heights, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Adjustable support for burners and the like. Re15,964; Dec. 16.

Chan, Harry K., Honolulu, Hawaii. Power-operated magazine brush. 1,519,530; Dec. 16.

Chapman, Frank F. B., Nashua, N. H., assignor to Burlock-Walford Co., Inc., Boston, Mass. Powdered preparation for poultices. 1,519,755; Dec. 16.

Charles, Albert B., Blue Mound, Kans. Intake manifold for gasoline-propelled vehicles. 1,519,665; Dec. 16.

Charlton, Albert J., Lowden, Iowa. Combined water gauge and heat indicating device. 1,519,438; Dec. 16.

Cheetham, Arthur, Toronto, Ontario, Canada. Machine for making envelopes. 1,519,439; Dec. 16.

Christensen, Walter D., Pueblo, Colo. Automatic changeable projector. 1,519,808; Dec. 16.

Ciulla, Michael, Hastings-on-Hudson, and D. P. Fontana, New York, N. Y.; said Ciulla assignor of his entire right to said Fontana. Pipe tamper. 1,519,955; Dec. 16.

Clapp, Roger I., Shanghai, China. Nut lock. 1,519,361; Dec. 16.

Clark, Alfred A., Baltimore, Md. Closure and clamp for same. 1,519,988; Dec. 16.

Clark, Alva B., Brooklyn, D. K. Gannett and H. Nyquist, Elmhurst, N. Y., assignors to American Telephone and Telegraph Company. Voice-frequency signaling. 1,519,573; Dec. 16.

Clark, Alva B., Brooklyn, and W. H. Martin, New York, N. Y., assignors to American Telephone and Telegraph Company. Testing transmission lines. 1,519,574; Dec. 16.

Clark, Berton S. (See Sellers, W. S., and Clark.)

Clark, Eddy L., West Pittston, Pa. Pressure-retaining valve. 1,519,190; Dec. 16.

Clark, Henry, London, assignor to Head, Wrightson and Company, Limited, Thornaby-on-Tees, England. Conveying mechanism. 1,519,293; Dec. 16.

Clarke, Herman E., Vancouver, British Columbia, Canada. Tazor. 1,519,485; Dec. 16.

Clarke, John A., Jr., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,519,238; Dec. 16.

Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Mechanism for forming hinges of lasts for shoes. 1,519,360; Dec. 16.

Clawson, Monroe S., Upper Montclair, N. J. Mold. 1,519,116; Dec. 16.

Clay, Noble S., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Airplane-covering material. 1,519,239; Dec. 16.

Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Multiple-thread tension device for sewing machines. 1,519,486; Dec. 16.

Clayton Gln Compress Co. (See Brown, George R., assignor.)

Clegg, Thomas H., Brooklyn, N. Y. Industrial truck. 1,519,191; Dec. 16.

Clench, William A., assignor of one-half to G. H. Sanburn, Seattle, Wash. Water heater. 1,519,395; Dec. 16.

Cleveland Brass Manufacturing Company, The. (See Costello, Joseph A., assignor.)

Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)

Close, Dorr R. (See Furmidge, Samuel, assignor.)

Cochran, Clyde E., assignor to The Ellwell-Parker Electric Company, Cleveland, Ohio. Crane-truck outrigger. 1,519,117; Dec. 16.

Coffman, William P., Dunkirk, and C. M. Anglemeyer, assignors to The Edgemont Machine Company, Dayton, Ohio. Friction clutch. 1,519,531; Dec. 16.

Colbert, Clarence F., Hoopeston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Can-frilling machine. 1,519,756; Dec. 16.

Collins, Harry R., Allentown, Pa., assignor to Fuller Lehigh Company. Pulverizing mill. 1,519,989; Dec. 16.

Colombino, Rino, Turin, Italy. Collapsible hood for motor vehicles. 1,519,440; Dec. 16.

Comee, Joseph F. (See Klops, Sam F., assignor.)

Comfort, Michael, Plantsville, assignor of one-fourth to M. Trybulski, and one-fourth to W. alias G. Trybulski, Middletown, Conn. Globe-clock case. Dec. 66,224; Dec. 16.

Connolly, James H., El Paso, Tex. Attachment for internal-combustion engines. 1,519,956; Dec. 16.

Copeman, Lloyd G., Flint, Mich. Water control for refrigerator systems. 1,519,757; Dec. 16.

Corcoran, Cornelius B., Phoenix, Ariz., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,519,820; Dec. 16.

Cordo-Hyde Company. (See Eddins, Sextus A., assignor.)

Cornell, Ernest R., Omemece, Ontario, Canada. Fluid-transmission mechanism. 1,519,957; Dec. 16.

Cooney, Laura S., Brooklyn, N. Y. Button. 1,519,487; Dec. 16.

Cooney, William E., Pittsburgh, Pa. Game apparatus. 1,519,666; Dec. 16.

Coopersmith, Rudolph, Montreal, Quebec, Canada, assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Divanette. 1,519,667; Dec. 16.

Cosgrove, John P., Brockton, Mass. Leaf-spring lubricator. 1,519,758; Dec. 16.

Costello, Joseph A., assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Faucet. 1,519,604; Dec. 16.

Costello, Joseph A., assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Faucet. 1,519,668; Dec. 16.

Cowles, C., & Company. (See Gates, Louis W., assignor.)

Crandall, Max E., Kingfisher, Okla. Valve-actuating mechanism. 1,519,722; Dec. 16.

Creamery Package Mfg. Company, The. (See Valerius, Theodore L., assignor.)

Crenshaw, Leonard S., assignor of one-half to L. D. Tyson, Knoxville, Tenn. Drive for roving frames. 1,519,958; Dec. 16.
 Critchfield, Robert M., assignor to General Motors Corporation, Anderson, Ind. Impulse coupling. 1,519,959; Dec. 16.
 Crompton & Knowles Loom Works. (See Thomas, Arthur E., assignor.)
 Crompton & Knowles Loom Works. (See Wakefield, W. H., and Hoffman, assignors.)
 Crone, Seth A., East Orange, N. J. Railway brake beam. 1,519,759; Dec. 16.
 Crone, Seth A., East Orange, N. J. Railway brake beam. 1,519,760; Dec. 16.
 Crone, Seth A., East Orange, N. J. Railway brake beam. 1,519,761; Dec. 16.
 Crone, Seth A., East Orange, N. J. Railway brake beam. 1,519,762; Dec. 16.
 Crone, Seth A., East Orange, N. J. Railway brake beam. 1,519,763; Dec. 16.
 Crone, Seth A., East Orange, N. J. Railway brake beam. 1,519,764; Dec. 16.
 Crone, Seth A., East Orange, N. J. Pin or bolt retainer for railway brake beam levers and connections. 1,519,765; Dec. 16.
 Cronin, Frederick C., and J. A. Hoffman, Detroit, Mich. Grate. 1,519,240; Dec. 16.
 Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Electric wall bracket. Des. 66,225; Dec. 16.
 Crumley, Le Roy A., New York, N. Y., assignor to The Ferro-Art Lighting Fixture Co., Inc. Chandelier. Des. 66,226; Dec. 16.
 Cruver, Curtis L., Oak Park, Ill. Badge or button. 1,519,362; Dec. 16.
 Csenczky, Louis. (See Swan, John B., assignor.)
 Cullander, Adolph, and E. Haga, Belzoni, Miss. Cotton trampler. 1,519,294; Dec. 16.
 Cullen, James K., assignor to Niles-Bement-Pond Company, New York, N. Y. Auxiliary tool support. 1,519,363; Dec. 16.
 Cummings, Clifford L., St. Kilda, Victoria, Australia. Combination bonnet lock and ignition-cut-off device for motor vehicles. 1,519,904; Dec. 16.
 Curtis, Almon W., Cortland, N. Y. Bow socket. 1,519,821; Dec. 16.
 Curtis, Lewis E., Warren, Ohio, assignor to The Youngstown Pressed Steel Company. Metal-expanding machine. 1,519,669; Dec. 16.
 Custer, George E., Providence, R. I. Oil-gas generator. 1,519,295; Dec. 16.
 Cutler-Hammer Mfg. Co., The. (See Thomas, Benjamin, assignor.)
 Cutler-Hammer Mfg. Co., The. (See Wade, Henry N., assignor.)
 Czvik, Joseph. (See Fazekas, J., and Czvik.)
 Daly, Charles M. (See Hynes, John J., assignor.)
 Daniel, Allan P., assignor to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,519,241; Dec. 16.
 Daniel, Edward W., Asbury Park, N. J. Device for securing wall boards and the like. 1,519,118; Dec. 16.
 Daniloff, Serge, Lowell, and R. E. Naumburg, Winchester, assignors to Saco-Lowell Shops, Boston, Mass. Hand brake for spooling machines. 1,519,809; Dec. 16.
 Danstrup, Hans E., assignor of one-half to J. Harrison, Brooklyn, N. Y. Valve. 1,519,670; Dec. 16.
 Darrow, Frank M., Jackson, Calif. Ore-treating process. 1,519,396; Dec. 16.
 Davenport, Joseph P., Wheaton, Ill. Potato planter. 1,519,397; Dec. 16.
 Davidson, Charles L., New York, N. Y. Fire-arch structure. 1,519,364; Dec. 16.
 Davidson, J. L., Co. (See Harrison, Cecil B., assignor.)
 Davidson, James L. (See Harrison, Cecil B., assignor.)
 Davidson, William D. (See Goesser, E. W., and Davidson.)
 Davis, Charles W., assignor to The Torrington Company, Torrington, Conn. Vacuum cleaner. 1,519,822; Dec. 16.
 Davis, Fred S., et al. (See Bunting, Reiner L., assignor.)
 Davis, Freeman, and L. Davis, Centerville, Iowa. Poultry beholder. 1,519,296; Dec. 16.
 Davis, James E., Denver, Colo. Film meters for motion-picture apparatus. 1,519,605; Dec. 16.
 Davis, Lewis N., Akron, Ohio. Reversible steam engine. 1,519,823; Dec. 16.
 Davis, Loyd. (See Davis, Freeman and L.)
 Davis, Paul M., Chicago, Ill. Refrigerator. 1,519,441; Dec. 16.
 Davis, Trevalyn, Cincinnati, Ohio. Frame for holding automobile tags and similar articles. 1,519,575; Dec. 16.
 Day, Daniel R., Trenton, S. C. Fertilizer distributor. 1,519,960; Dec. 16.
 Day, William A., Bellingham, Wash. Pipe and nut wrench. 1,519,242; Dec. 16.
 Dayton Display Fixture Company, The. (See Allen, Erhard, assignor.)
 Deeter, Amos O., Minot, N. Dak. Coupling device. 1,519,442; Dec. 16.
 De Eullis, Frank. (See De Eullis, Pietro and F.)

De Eullis, Pietro and F., Ravenna, Ohio. Cheese grater. 1,519,532; Dec. 16.
 De Florez, Luis, Pomfret, Conn. Phonograph. 1,519,365; Dec. 16.
 De La Rhoisiere, Jean F. P., Berlin, Germany. Fuel for internal-combustion engines. 1,519,905; Dec. 16.
 Delco-Light Company. (See Campbell, John G., assignor.)
 Del Greco, William, New Haven, Conn. Guard. 1,519,297; Dec. 16.
 De Mare, Douglas, Chicago, Ill., assignor to Mohawk Electric Corporation. Radiocabinet. Des. 66,240; Dec. 16.
 De Meurisse, Alfred, Brooklyn, N. Y. Addressing machine. 1,519,119; Dec. 16.
 Dempsey, William H., Bogota, N. J. Suction-nozzle control for vacuum cleaners. 1,519,192; Dec. 16.
 De Mun, James B., Wilkes-Barre, Pa. Golf-ball tee. 1,519,298; Dec. 16.
 Demuth, Alfred M., Chicago, Ill. Cooking apparatus. 1,519,766; Dec. 16.
 Demuth, Alfred M., Chicago, Ill. Cooking apparatus. 1,519,767; Dec. 16.
 Deumma, Earl W. (See Bolze, R. A., and Deumma.)
 Desjardins, John J., Marinette, Wis. Radiator attachment. 1,519,906; Dec. 16.
 Detroit Aero Metals Company. (See Williams, Glen L., assignor.)
 Detroit Lubricator Company. (See Lanning, John G., assignor.)
 De Venu, Harry R., Mount Vernon, N. Y. Adjustable driving seat. 1,519,824; Dec. 16.
 Devlin, Carroll E., et al. (See Bunting, Reiner L., assignor.)
 De Vore, Belford, assignor to C. Hoskins, Kansas City, Mo. Whip for creams, sauces, etc. 1,519,606; Dec. 16.
 De Waale, Armand, assignor to D. Gestetner, Limited, London, England. Production of stencils for use in duplicating manuscript and typewritten documents, drawings, and the like. 1,519,975; Dec. 16.
 Diamond Metal Products Co. (See Brownell, Barnett M., assignor.)
 Dickinson, Joseph H., Montclair, and E. D. Swan, East Orange, N. J. Logging apparatus. 1,519,488; Dec. 16.
 Dietsche, Adolph, Jr., assignor to American Lithographic Company, New York, N. Y. Display device. 1,519,193; Dec. 16.
 Dietze, Emil, New York, assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y. Car seat. 1,519,671; Dec. 16.
 Dillabunt, Ambrose M. (See Knight, Charles R., assignor.)
 Dingle, Charles, Florence, Ariz. Beater. 1,519,533; Dec. 16.
 Doble, John A., assignor to Doble Laboratories, San Francisco, Calif. Steam engine. 1,519,672; Dec. 16.
 Doble Laboratories. (See Doble, John A., assignor.)
 Doble Laboratories. (See Doble, Warren, assignor.)
 Doble, Warren, assignor to Doble Laboratories, San Francisco, Calif. Heater. 1,519,673; Dec. 16.
 Donnell, L. F., et al. (See Serene, Paul, assignor.)
 Donnelly, Joseph W. (See Entwistle, T. J., O'Mara, and Donnelly.)
 Dore, Daniel E., Lebanon, Pa. Folding metallic clothes-line prop. 1,519,576; Dec. 16.
 Dorman, James E., Detroit, Mich. Gasoline gauge. 1,519,366; Dec. 16.
 Dorrard, John G., San Francisco, Calif. Deep-well double-acting plunger pump. 1,519,768; Dec. 16.
 Douglass, Henry S., Statesville, N. C. Merchandise case and distributor. 1,519,825; Dec. 16.
 Douglass, Samuel F., Prairie du Rocher, Ill. Motor-vehicle signal. 1,519,980; Dec. 16.
 Douthitt, Albert G., Kenyon, Minn. Can washer. 1,519,443; Dec. 16.
 Dow Chemical Company, The. (See Gann, John A., assignor.)
 Down, Sidney G., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control for motor vehicles. 1,519,120; Dec. 16.
 Down, Sidney G., and H. D. Hukill, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle control device. 1,519,121; Dec. 16.
 Drake, Allen M. (See Heald, J. N., Drake, and Guild.)
 Draper Corporation. (See Thigpen, William R., assignor.)
 Droll, Joseph W., Chicago, Ill., assignor to Droll Patents Corporation of Delaware. Stitching mechanism for mattress-roll-forming machines. 1,519,299; Dec. 16.
 Droll Patents Corporation of Delaware. (See Droll, Joseph W., assignor.)
 Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press-operating mechanism. 1,519,367; Dec. 16.
 Dudley, Howard M., Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y. Apparatus for dyeing, scouring, or otherwise treating yarn and other fibers in the hank or skein. 1,519,769; Dec. 16.

Dudley, Howard M., Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y. Apparatus for dyeing, scouring, or otherwise treating yarn and other fibers in the hank or skein. 1,519,770; Dec. 16.
 Dura Film Protector Co. (See Lichte, Heinrich, assignor.)
 Durán, Florencio N., Pinar de Nacozari, Mexico. Rail joint. 1,519,771; Dec. 16.
 Durr, Ludwig, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Outer cover for rigid airships and fastening the same. 1,519,772; Dec. 16.
 Dushner, George B., Elmira, N. Y., and J. W. Callahan, Wellsboro, Pa., assignor, by mesne assignments, to Callahan Distributor Company, Incorporated. Needle for handling hay or the like. 1,519,976; Dec. 16.
 Dyer, Cecil M., Kew, Victoria, Australia. Carburetor for internal-combustion engines. 1,519,773; Dec. 16.
 Dyke, Darrell P., Chicago, Ill., assignor to The Seng Company. Sofa bed. 1,519,674; Dec. 16.
 Eames, George M., and J. S. Finch, Bridgeport, Conn., assignors to The Singer Manufacturing Company. Elizabeth, N. J. Sewing machine. 1,519,489; Dec. 16.
 Easton, Henry P., Jr., Denver, Colo. Cleaning and abrading device. 1,519,577; Dec. 16.
 Eaton, James D., Medford, Oreg. Rack. 1,519,122; Dec. 16.
 Eberhardt, Robert, New York, N. Y. Gripping lamp and fuse holder. 1,519,774; Dec. 16.
 Edlins, Sextus A., assignor to Cordo-Hyde Company, Brockton, Mass. Package fastener. 1,519,368; Dec. 16.
 Edgemont Machine Company, The. (See Coffman, W. P., and Anglenyer, assignors.)
 Edison, Thomas A., West Orange, N. J. Grille for phonograph cabinets. Des. 66,227; Dec. 16.
 Edison, Thomas A., West Orange, N. J. Grille for phonograph cabinets. Des. 66,228; Dec. 16.
 Edmondson, Albert, Ware, Mass. Cleaning and polishing composition. 1,519,907; Dec. 16.
 Edwards, Arthur M., Kankakee, Ill. Shooting jacket. 1,519,123; Dec. 16.
 Edwards, Robert C., Elizabeth, N. J., assignor to Radio Corporation of America. Grille for radiocabinet or similar article. Des. 66,231; Dec. 16.
 Eggert, William D., et al. (See Bunting, Reiner L., assignor.)
 Elder, John, and B. M. Macleod, Lethbridge, Alberta, Canada. Combined wire stretcher and splicer. 1,519,360; Dec. 16.
 Electric Heating Corporation. (See Macy, Barnett W., assignor.)
 Ellery, Robert L., Toledo, Ohio. Window raising and lowering means. 1,519,194; Dec. 16.
 Elliott, Harold F., Palo Alto, assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Arc converter. 1,519,398; Dec. 16.
 Elmer, Obadiah A., Ogdensburg, N. Y. Punch-press safety appliance. 1,519,369; Dec. 16.
 Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
 Entwistle, Thomas J., H. P. O'Mara, and J. W. Donnelly, said Donnelly and said O'Mara assignors of eleven forty-eighths to said Entwistle and one-sixteenth to E. L. Martin, New Orleans, La. Valved outlet equipment for tank cars. 1,519,725; Dec. 16.
 Erickson, Charles, Astoria, Oreg. Motor-vehicle lock. 1,519,534; Dec. 16.
 Erickson, Emil, assignor to Wm. A. Field Company, Chicago, Ill. Correcting printing plates. 1,519,775; Dec. 16.
 Erickson, Gustav E., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for handling glass sheets. 1,519,243; Dec. 16.
 Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
 Esler Electric Manufacturing Company. (See Esler, Samuel M., assignor.)
 Esler, Samuel M., assignor to Esler Electric Manufacturing Company, Marion, Ind. Connecting device for electric circuits. 1,519,195; Dec. 16.
 Etne, Peter J., Merriam, Kans. Gate latch. 1,519,908; Dec. 16.
 Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Roller table for glass machines. 1,519,244; Dec. 16.
 Evans, John T., Jr., Brooklyn, N. Y. Instantaneous starter. 1,519,370; Dec. 16.
 Ewell, Frank B., Rochester, N. Y. Apparatus for making lead pipes. 1,519,724; Dec. 16.
 Fagool, Rollie B., Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Clamping device for automobile bumpers. 1,519,399; Dec. 16.
 Fales, Elsha N., Dayton, Ohio. Aircraft propulsion. 1,519,444; Dec. 16.
 Farley, George E., Los Angeles, assignor to Service Equipment Company, Huntington Park, Calif. Air, water, and light service tower. 1,519,725; Dec. 16.
 Farmer's Sanitary Strainer & Manufacturing Company, The. (See Von Gunten, Edward G., assignor.)
 Farnsworth, William W., Chicago, Ill. Attachment for carburetors. 1,519,371; Dec. 16.
 Farnum, William C., Fitchburg, Mass. Child's vehicle. 1,519,196; Dec. 16.

Farquharson, James. (See Klingman, H. E., and Farquharson.)
 Farrer, Jesse R., et al. (See Armstead, C. L., and Bates, assignors.)
 Faultless Caster Company. (See Moelting, William H., assignor.)
 Fauzon, Arturo G., Cleveland, Ohio, assignor to The Oak Rubber Company. Hydrogen-gas generator. 1,519,607; Dec. 16.
 Fawcett Wrench Company. (See Rauch, Philip, assignor.)
 Fazekas, Joseph, and J. Czvik, St. Paul, Minn. Agricultural implement. 1,519,776; Dec. 16.
 Fechtelner, Carl J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Centrifugal fan. 1,519,245; Dec. 16.
 Federal Telegraph Company. (See Elliott, Harold F., assignor.)
 Ferrari, Dario, Boston, Mass. Antiskid pneumatic-tire protector. 1,519,810; Dec. 16.
 Ferris, Walter, Milwaukee, and M. F. Keese, South Milwaukee, assignors to Bucyrus Company, Milwaukee, Wis. Placer-dredge bucket. 1,519,777; Dec. 16.
 Ferro-Art Lighting Fixture Co., The. (See Crumley, Le Roy A., assignor.)
 Fey, Albert D., C. S. Nicholson, and N. J. Nicholson, Scranton, Iowa. Hog-lubricating apparatus. 1,519,608; Dec. 16.
 Field, Michael R., Glasgow, Scotland, assignor to Pneumercator Company, New York, N. Y. Specific-gravity meter. 1,519,609; Dec. 16.
 Field, Wm. A., Company. (See Erickson, Emil, assignor.)
 Fiedling, John, Providence, and J. P. Whitaker, Apopauag, R. I. Flexible bracelet. 1,519,578; Dec. 16.
 Fifth Avenue Bank of New York, The. (See Dudley, Howard M., assignor.)
 Finch, John S. (See Eames, G. M., and Finch.)
 Finis, Richard A., San Francisco, assignor to The H-Sign Signal Company, Stockton, Calif. Multiple-contact electric switch. 1,519,535; Dec. 16.
 Finney, Eben D., Ranger, Tex. Oil-well-tool connection. 1,519,445; Dec. 16.
 Firestone Tire and Rubber Company, The. (See Hale, James E., assignor.)
 Firestone Tire and Rubber Company, The. (See Zimmerman, E. C., and Williams, assignors.)
 Fisher, Charles E., and P. W. Aular, assignors to The Titusville Iron Works Company, Titusville, Pa. Drill-stem bushing for well-boring apparatus. 1,519,197; Dec. 16.
 Fisher, L. S. (See Campbell, Elbert L., assignor.)
 Fisk Rubber Company, The. (See Bowerman, J. A., Midgley, and Gastreum, assignors.)
 Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
 Fitchburg Machine Works. (See Trust, Josephine and H., assignors.)
 Fitz Gerald, Raymond V., Easton, Pa., assignor of one-half to W. P. Fitz Gerald, Phillipsburg, N. J. Transmission brake. 1,519,400; Dec. 16.
 Fitz Gerald, William P. (See Fitz Gerald, Raymond V., assignor.)
 Flowers, Charles S., Chicago, Ill. Valve. 1,519,446; Dec. 16.
 Fontana, Domenico P. (See Ciulla M., and Fontana.)
 Foote, J. B., Foundry Company, The. (See Gould, John N., assignor.)
 Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Electric motor. 1,519,675; Dec. 16.
 Ford Instrument Company. (See Ford, Hannibal C., assignor.)
 Forshee, Frank F., Flint, Mich., and J. C. Woodson, Mansfield, Ohio, assignors to Westinghouse Electric Products Company. Electric soldering iron. 1,519,246; Dec. 16.
 Fortier-Beaulieu, Paul E. A., Roanne, France. Aerial turbine with vertical axis and helical centripetal circulation. 1,519,447; Dec. 16.
 Fosdick Machine Tool Company, The. (See Larsh, James E., assignor.)
 Fox, C. J., Company, The. (See Scott, Walter E., assignor.)
 Fox, John H., and J. H. Redshaw, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Edge-holding device for sheet glass. 1,519,247; Dec. 16.
 Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for handling glass plates. 1,519,248; Dec. 16.
 Fraim, William J., and T. E. Powers, Savannah, Ga. Loading chute. 1,519,909; Dec. 16.
 Frank, Patrick H., and W. H. Gohn, Manila, P. I. Hemp stripping machine. 1,519,579; Dec. 16.
 Franke, Roland C., Mullen, Nebr. Cotton chopper. 1,519,198; Dec. 16.
 Franz, Charles H., Jr., assignor to The Helms Co., Milwaukee, Wis. Binder. 1,519,610; Dec. 16.
 Fraser, Warren F., Westboro, Mass., assignor to General Electric Company. Temperature indicator. 1,519,676; Dec. 16.
 Free, John W., Woodlawn, Pa. Sheet-metal conveyer. 1,519,490; Dec. 16.
 Fregin, Herman, assignor to D. M. O'Neill, Chicago, Ill. Air-washing and ventilating machine. 1,519,726; Dec. 16.

Friedman, Samuel, New York, N. Y. Snow gathering and loading machine. 1,519,249; Dec. 16.
Fritz, Albert C., Evergreen Park, Ill. Burial vault. 1,519,727; Dec. 16.
Fuge, James W., assignor to The Fuge New Way Milking Machine and Tester Company Limited, Featherston, New Zealand. Appliance for use with milking-machine installations for measuring each cow's milk. 1,519,826; Dec. 16.
Fuge, James W., assignor to The Fuge New Way Milking Machine and Tester Company Limited, Featherston, New Zealand. Measuring means for use in milking-machine installations. 1,519,827; Dec. 16.
Fuge New Way Milking Machine and Tester Company Limited, The. (See Fuge, James W., assignor.)
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fuller Brush Company, The. (See Rudolph, W. H., and Hart, assignors.)
Fuller-Lehigh Company. (See Breerwood, Charles H., assignor.)
Fuller-Lehigh Company. (See Collins, Harry R., assignor.)
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Grinding apparatus. 1,519,124; Dec. 16.
Furen, Fred W., St. Petersburg, Fla. Automobile fuel tank. 1,519,728; Dec. 16.
Furlan, John G., assignor to Furlan Nut Machinery Corporation, New York, N. Y. Making lock nuts. 1,519,125; Dec. 16.
Furlan, John G., assignor to Furlan Nut Machinery Corporation, New York, N. Y. Making lock screws. 1,519,126; Dec. 16.
Furlan Nut Machinery Corporation. (See Furlan, John G., assignor.)
Furridge, Samuel, assignor of one-half to D. R. Close, Chicago, Ill. Vehicle spring hanger. 1,519,677; Dec. 16.
Fury, Edmund G., Bridgewater, Va., assignor to Ansoo Photoproducts, Incorporated, Birmingham, N. Y. Roll-film cartridge. 1,519,536; Dec. 16.
Fusay, Charles L., New York, N. Y. Tool for use in grinding or shaping ignition points. 1,519,828; Dec. 16.
Gaddis, Hugh L., assignor to American Steel Products Co., Macomb, Ill. Brooder stove. 1,519,819; Dec. 16.
Gaffney, James, Juliet, Ill. Soldering iron. 1,519,127; Dec. 16.
Gall, Friedrich, Kiel, Germany. Hand member for diving armors. 1,519,301; Dec. 16.
Gamain, Charles H. A., Paris, France. Process and apparatus for artificially reconstituting daylight. 1,519,448; Dec. 16.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Flux for magnesium and alloys thereof. 1,519,128; Dec. 16.
Gannett, Danforth K. (See Clark, A. B., Gannett, and Nyquist.)
Gardner, Frederic E., Beloit, Wis. Grinding machine. 1,519,811; Dec. 16.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company, Tool mounting. 1,519,997; Dec. 16.
Gates, Louis W., assignor to C. Cowless & Company, New Haven, Conn. Adjustable escutcheon plate. 1,519,678; Dec. 16.
Gautier, Trevor R., Yonkers, N. Y. Flap sealer for cartons. 1,519,129; Dec. 16.
General Electric Company. (See Fraser, Warren F., assignor.)
General Motors Corporation. (See Critchfield, Robert M., assignor.)
Gelstharpe, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Grading abrasives. 1,519,250; Dec. 16.
Gestetner, D., Limited. (See De Waele, Armand, assignor.)
Geyer, Benjamin F., assignor to Wayne Tank and Pump Company, Fort Wayne, Ind. Signal for measuring pumps. 1,519,372; Dec. 16.
Ghia, Eugene, Bristol, Conn. Emergency brake for cars. 1,519,401; Dec. 16.
Gibson, John W. (See Peace, Harvey W., assignor.)
Gill, James H. W., Henchan, assignor to Gill Propeller Company Limited, Kings Lynn, Norfolk, England. Maneuvering or steering of ships and other vessels. 1,519,580; Dec. 16.
Gill Propeller Company Limited. (See Gill, James H. W., assignor.)
Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Neb. Hose clamp. 1,519,130; Dec. 16.
Gillinder & Sons, Inc. (See Gillinder, Edgar A., assignor.)
Gillinder, Edgar A., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Glass illuminating bowl. Des. 66,229; Dec. 16.
Gillman, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Pneumatically-fed tool. 1,519,829; Dec. 16.
Gingrich, Harold S., Detroit, Mich. Speedometer drive. 1,519,537; Dec. 16.
Gish, George W., Atlanta, Ga. Rubber composition. 1,519,729; Dec. 16.
Goeriz, Oscar C., New York, N. Y. Atomizing fuel oils. 1,519,830; Dec. 16.

Goeser, Edwin W., and W. D. Davidson, Los Angeles, assignors to Union Tool Company, Torrance, Calif. Three-speed rotary draw works. 1,519,538; Dec. 16.
Gohn, William H. (See Frank, P. H., and Gohn.)
Goldstein, Barnett H. (See Pugatsky, M., and Goldstein.)
Goldvarg, Abram. (See Schmidt, Charles, assignor.)
Goodwin, Ernest G., assignor to Standard Coupler Company, New York, N. Y. Draft gear. 1,519,831; Dec. 16.
Goodwin, John E., Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y. Plate or similar article. Des. 66,230; Dec. 16.
Gorden, Melvin A., Brainerd, Minn. Washbench. 1,519,581; Dec. 16.
Goro Matsukata. (See Naito, Asobu, assignor.)
Gould, John N., assignor to The J. B. Foote Foundry Company, Fredericktown, Ohio. Clothes wringer. 1,519,251; Dec. 16.
Graemiger, Benjamin, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Compressor installation. 1,519,449; Dec. 16.
Graf, Emil, New York, N. Y. Strength-testing amusement device. 1,519,679; Dec. 16.
Graham, Howard, New Braunfels, Tex. Wrench. 1,519,910; Dec. 16.
Graham, Ronald V., New York, N. Y. Can spout. 1,519,911; Dec. 16.
Grant, Whendon M. (See Lomax, C. S., and Grant.)
Graves, Moss E., and C. C. Severin, San Francisco, Calif. High-tension operating switch. 1,519,402; Dec. 16.
Graves, Moss E., and C. C. Severin, San Francisco, Calif. High-tension operating switch. 1,519,403; Dec. 16.
Green, Okie F., Cynthiana, Ky. Sprayer. 1,519,199; Dec. 16.
Greenwell, Nevil, Bethlehem, Pa., assignor to Bethlehem Steel Company. Projectile. 1,519,302; Dec. 16.
Greiner, Frank, West Hartford, Conn. Metal-working machine. 1,519,680; Dec. 16.
Greist, Hubert M., and W. C., and W. F. Lent, assignors to The Greist Manufacturing Company, New Haven, Conn. Portable lamp. 1,519,131; Dec. 16.
Greist Manufacturing Company, The. (See Greist, H. M., and W. C., and Lent, assignors.)
Greist, Walter C. (See Greist, H. M., and W. C., and Lent.)
Greve, Edgar E., Bellevue, Pa. Traveling block. 1,519,252; Dec. 16.
Grey, George H., Winchester, Mass. Display box. 1,519,539; Dec. 16.
Greve, Archibald, assignor to Charles H. Kemper, Inc., Westport, Conn. Fuse. 1,519,912; Dec. 16.
Griffin, Alvan M., assignor of one-half to A. A. Kramer, Kansas City, Mo. Valve. 1,519,832; Dec. 16.
Griffin, Alvan M. (See Kramer, A. A., and Griffin.)
Griffith, Clement P., Fort Wayne, Ind., assignor to S. F. Bowser & Co., Inc. Apparatus for reclaiming used lubricating oil and fuel substances. 1,519,200; Dec. 16.
Gross, Edward M., and F. E. Mayes, Louisville, Ky. Combination electric switch. 1,519,303; Dec. 16.
Gross, William, New York, N. Y. Stiffener for cap visors and the like. 1,519,491; Dec. 16.
Grothe, Henry, Le Sueur Center, and M. Marty, St. Paul, Minn. Auger for postholes and wells. 1,519,132; Dec. 16.
Guild, Waldo J. (See Heald, J. N., Drake, and Guild.)
Guthrie, Norman E., Yerba Linda, Calif. Compression grease cup. 1,519,730; Dec. 16.
Hahn, Enoch. (See Cullander, A., and Hahn.)
Hager, Albert, and P. Sehrig, West Hoboken, N. J. Stocking holder for embroidery machines. 1,519,833; Dec. 16.
Hague, Floyd T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush holder. 1,519,304; Dec. 16.
Hahn, Carl A. (See Baureichter, Emil, assignor.)
Hahn, Frank R., Decatur, Ill. Building construction. 1,519,305; Dec. 16.
Hale, Guy O., Minneapolis, Minn. Key-locking device. 1,519,681; Dec. 16.
Hale, James E., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Resilient wheel. 1,519,971; Dec. 16.
Hall, Robert G., Swampscott, Mass. Educational game with particular respect to the organization of Boy Scouts of America. 1,519,133; Dec. 16.
Hallahan, Michael, New York, N. Y. Traction device for dual tire wheels. 1,519,834; Dec. 16.
Ham, Frank P. (See Ham, Wesley D., assignor.)
Ham, Wesley D., assignor of one-half to F. P. Ham, Manchester, N. H. Intake-manifold locking valve. 1,519,961; Dec. 16.
Hamer, William, Jr., Bury, England. Steam generator. 1,519,492; Dec. 16.
Hammond, William P., Scarsdale, N. Y. Rear bumper for automobiles. 1,519,540; Dec. 16.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hammer-type channeling machine. 1,519,134; Dec. 16.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Composite bit. 1,519,135; Dec. 16.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill-rod packing. 1,519,136; Dec. 16.

Hanson, Carl A., Portland, Oreg. Saw set. 1,519,450; Dec. 16.
Hardiman, Winton H., assignor to H. P. Murmann, St. Louis, Mo. Grain door. 1,519,962; Dec. 16.
Harker, Hyrum S., Shelley, Idaho, assignor to Pony Tricycle Corporation, San Francisco, Calif. Tricycle. 1,519,493; Dec. 16.
Harlow, Alfred A. K., et al. (See Riley, Henry, assignor.)
Harper, Theodore B., Hartford, Conn. Apparatus for computing interest. 1,519,253; Dec. 16.
Harrigan, Lou T., Los Angeles, Calif. Balance valve for hydraulic governors. 1,519,963; Dec. 16.
Harris, Albert L., Austin, Tex. Shock absorber. 1,519,451; Dec. 16.
Harris, John, Lakewood, Ohio. Blow pipe or torch. 1,519,582; Dec. 16.
Harrison, Cecil B., assignor to J. L. Davidson, Los Angeles, Calif. Doing business as J. L. Davidson Co. Postless ledger binder. 1,519,452; Dec. 16.
Harrison, Joseph. (See Danstrup, Huns E., assignor.)
Harry Brothers Manufacturing Company. (See Parks, Roy C., assignor.)
Hart, James D., West New Brighton, assignor of forty-five per cent to P. F. Quinn, New York, N. Y. Commercial ozonizer. 1,519,373; Dec. 16.
Hart, Wallace S. (See Rudolph, W. H., and Hart.)
Hart, August, Newark, N. J., assignor to Magnus Electric Co., Inc., New York, N. Y. Electrical contact socket member. 1,519,972; Dec. 16.
Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading system. 1,519,612; Dec. 16.
Hartzell, Walter L., and G. W. Huey, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. 1,519,254; Dec. 16.
Harvey, Albert L., Wilkesburg, and D. H. Hunter, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Motor-control system. 1,519,255; Dec. 16.
Harvey, Kelly B., New York, assignor to Auto Table Co., Inc., Richmond Hill, Long Island, N. Y. Auto table. 1,519,977; Dec. 16.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Tuff-tube frame for working. 1,519,978; Dec. 16.
Houghton Elevator & Machine Co. (See Brubaker, John A., assignor.)
Hawkins, Percy J. (See Boaz, J. W., Brown, and Hawkins.)
Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Method and machine for flanging thermic siphons and the like. 1,519,778; Dec. 16.
Hazard, Allen B., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing mechanism. 1,519,613; Dec. 16.
Hazel-Atlas Glass Company. (See Lloyd, Alphonzo, assignor.)
Head, Wrightson and Company. (See Clark, Henry, assignor.)
Heald, James N., A. M. Drake, and W. J. Guild, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,519,374; Dec. 16.
Head Machine Company, The. (See Heald, J. N. Drake, and Guild, assignors.)
Heck, George D., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Burr holder. 1,519,614; Dec. 16.
Hedenskoog, Ernest, Muskegon, Mich. Bowling pin. 1,519,835; Dec. 16.
Heichert, Herman S., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass-transfer apparatus. 1,519,256; Dec. 16.
Hein, George N., San Francisco, Calif. Operating mechanism for sunshades and the like. 1,519,837; Dec. 16.
Hein Co., The. (See Franz, Charles H., Jr., assignor.)
Heintz, Ernest E., assignor to Tornstedt Manufacturing Company, Detroit, Mich. Handle assembly. 1,519,375; Dec. 16.
Helsey, A. H., & Company. (See Helsey, T. Clarence, assignor.)
Helsey, T. Clarence, assignor to A. H. Helsey & Company, Newark, Ohio. Tumbler. Des. 66,233; Dec. 16.
Helsing, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signalling system. 1,519,615; Dec. 16.
Holland, Ralph C. (See Allums, Alfred C., assignor.)
Hollund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,519,257; Dec. 16.
Henderson, Edmund, Tampico, Mexico. Pipe joint. 1,519,404; Dec. 16.
Henderson, Harry L., Centerville, Iowa. Tobacco machine. 1,519,306; Dec. 16.
Hennessy, Stephen T., St. Louis, Mo. Wooden fast. 1,519,201; Dec. 16.
Henninger, Philip E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Armature-binding machine. 1,519,307; Dec. 16.
Herman, Joseph, New York, N. Y., assignor to America Telephone and Telegraph Company, Telegraph system. 1,519,202; Dec. 16.
Hermann, Louis J., Sigourney, Iowa. Crank holder. 1,519,964; Dec. 16.

Herndon, Rosalie M., Fredericksburg, Va. Stove cloth. 1,519,203; Dec. 16.
Herr, John, Philadelphia, Pa. Scrubbing machine. 1,519,616; Dec. 16.
Herr, John, Philadelphia, Pa. Scrubbing machine. 1,519,617; Dec. 16.
Herschler, Albert D., Canton, Ohio. Nut lock. 1,519,836; Dec. 16.
Hess, Karl, Heilbronn, Germany. Regaining of metal from metallic chippings. 1,519,204; Dec. 16.
Hettich, William G., assignor to Standard X-Ray Company, Chicago, Ill. Transformer. 1,519,258; Dec. 16.
Higby, B. P., et al. (See Serene, Paul, assignor.)
Hilker, Adam, Limited. (See Klein, Adrian B., assignor.)
Himmel, M. L., & Son, Company. (See Woltz, Albert M., assignor.)
Hinkley-Myers Company. (See Myers, Joseph W., assignor.)
Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)
Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company. Process and apparatus for making sheet glass. 1,519,259; Dec. 16.
Hodgdon, John W. S., Kittery Point, Me. Airplane. 1,519,618; Dec. 16.
Hofer, Charles C. (See Sieben, Henry, assignor.)
Hoffman, Jerome A. (See Cronin, F. C., and Hoffman.)
Hoffman, Louis F. (See Wakefield, W. H., and Hoffman.)
Hollahan, James P., Jr., and J. F. Kennedy, Ransom, Ill. Drivable headlight for motor vehicles. 1,519,682; Dec. 16.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,519,731; Dec. 16.
Holtzer-Cobot Electric Company, The. (See Schirmer, Cyrus T., assignor.)
Home Stove and Foundry Company. (See Page, Howard L., assignor.)
Hood, Andrew W., Philadelphia, Pa. Bolt. 1,519,308; Dec. 16.
Horton, Joseph W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Harmonic generator system. 1,519,619; Dec. 16.
Horton, Robert T., Greenwood, Ind. Firing door for boilers and furnaces. 1,519,838; Dec. 16.
Hoskins, Charlotte. (See De Vere, Belford, assignor.)
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Tobacco box. 1,519,137; Dec. 16.
Horhannessian, Magerdich, South Bethlehem, Pa. Laying out drawings. 1,519,965; Dec. 16.
Huber, Frank P., New Orleans, La. Circuit opening and closing device. 1,519,966; Dec. 16.
Huey, George W. (See Hartzell, W. L., and Huey.)
Huey, Harold L., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Producing transparent effects upon cotton fabrics. 1,519,376; Dec. 16.
Huffman, Howran P., Gadsden, Ala. Automobile whistle. 1,519,839; Dec. 16.
Hughes, Albert M., Pasadena, Calif. Pneumatic bumper. 1,519,967; Dec. 16.
Hukill, Henry D. (See Down, S. G., and Hukill.)
Hult, John A., Chicago, Ill. Telegraph sounder. 1,519,840; Dec. 16.
Hummel, Howard H., assignor to Bethlehem Steel Company, Bethlehem, Pa. Variable-speed driving mechanism. 1,519,309; Dec. 16.
Hunt, Clayton E., Charlotte, Mich. Spark plug. 1,519,583; Dec. 16.
Hunter, David H. (See Harvey, A. L., and Hunter.)
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Door latch. 1,519,841; Dec. 16.
Hynes, John J., Maple Grove, assignor to C. M. Daly, Nelli, Neb. Mitten. 1,519,913; Dec. 16.
Hilg, Paul T., Elensburg, Pa. Remountable-rim retainer. 1,519,453; Dec. 16.
Illinois Anthracite Corporation. (See Lomax, C. S., and Grant, assignors.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingersoll-Rand Company. (See Zimmermann, William F., assignor.)
Inglish, Henry B., Dayton, Ohio. Gun reel feed unit. 1,519,454; Dec. 16.
International Harvester Company. (See Smith, Ernest C., assignor.)
Iron Products Corporation. (See Molby, Edgar C., assignor.)
Iroquois China Company. (See Obert, Thomas W., assignor.)
Jackson, Thomas E. (See Troger, Fred O., and E. M., assignors.)
Jacobs, Max, Boston, Mass. Garment-length gauge. 1,519,914; Dec. 16.
Jacomini, Marius P., and L. F. Kristufek, Cincinnati, Ohio. Briquetting machine. 1,519,455; Dec. 16.

Jaffe, Lawson L., assignor to M. S. Levinsen & Company, Chicago, Ill. Ring or similar article. Dec. 6, 1922; Dec. 16.

Jaffe, Samuel. (See Kanner, S. and Jaffe.)

Jardine, Robert, assignor to Rich Tool Company, Chicago, Ill. Remountable rim. 1,519,683; Dec. 16.

Jarvis, Ernest G., Paterson, N. J., assignor, by mesne assignments, to Merco Nordstrom Valve Company, San Francisco, Calif. Alloy. 1,519,377; Dec. 16.

Jasneski, Bernard. (See Malcolm, O. C., and Jasneski.)

Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)

Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)

Jenner, Charles, Corvallis, Oreg. Music-leaf turner. 1,519,128; Dec. 16.

Jeter, Norvel T., New York, N. Y. Clothesline pulley device. 1,519,620; Dec. 16.

Johansen, Jens, Jersey City, N. J. Hand-bag frame. 1,519,684; Dec. 16.

Johnson, Arthur B. (See Johnson, Charles and A. B.)

Johnson, Charles and A. B., Minneapolis, Minn. Lumber-cut-off machine. 1,519,378; Dec. 16.

Johnson, Charles E., Denver, Colo. Air-cleaning device for the air-inlet apertures of carburetors of automobile vehicles. 1,519,541; Dec. 16.

Johnson, Charles L., San Jose, Calif. Dice thrower. 1,519,405; Dec. 16.

Johnson, Clarence A., Larimer, and E. K. Read, Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Interlocking apparatus. 1,519,310; Dec. 16.

Johnson, Clarence A. (See Read, E. K., and Johnson.)

Johnson, Edward M., Jr., Evansville, Ind. Producing coal-oil. 1,519,779; Dec. 16.

Johnson, Nathan C., Englewood, N. J. Reticulated or cellular cement or the like product and making same. 1,519,311; Dec. 16.

Johnson, Nathan C., Englewood, N. J. Weight-controlled dispensing apparatus. 1,519,685; Dec. 16.

Johnson, Ohrs E., Elmhurst, Ill. Flying machine. 1,519,686; Dec. 16.

Johnson, Walter G., Childress, Tex. Corrective mouth breather. 1,519,915; Dec. 16.

Jones, Charlie L., Altus, Okla. Disinfectant casing for clinical thermometers. 1,519,916; Dec. 16.

Jones, Clifford E., Peru, Ind. Insect destroyer. 1,519,456; Dec. 16.

Jones, Edward T., administrator. (See Stryker, Walter W.)

Jones, Joseph H. (See Burgess, Robert, assignor.)

Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)

Judson, Gordon P., Fairfield, Iowa. Well seal. 1,519,457; Dec. 16.

Juhasz, Mike, assignor of one-half to L. Kallio, Dover, Ohio. Spring wheel. 1,519,542; Dec. 16.

K. & Th. Möller Gesellschaft mit beschränkter Haftung. (See Aus. der Mark, Friedrich, assignor.)

Kallio, Lajos. (See Juhasz, Mike, assignor.)

Kalusche, Anton C. (See Stein, Nicholas D., assignor.)

Kanner, Samuel, and S. Jaffe, New York, N. Y. Hat pad. 1,519,842; Dec. 16.

Kaplan, Louis, New York, N. Y. Rubber heel. 1,519,843; Dec. 16.

Katz, Abraham, Brooklyn, N. Y. Store-front construction. 1,519,206; Dec. 16.

Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Spade grip. 1,519,458; Dec. 16.

Kay, Charles F., Nutley, N. J. Display device. 1,519,207; Dec. 16.

Keese, Matthew F. (See Ferris, W., and Keese.)

Keoh, William E., San Francisco, Calif. Display stand. Dec. 6, 1923; Dec. 16.

Kelner, Stephen, Los Angeles, Calif. Game appliance. 1,519,379; Dec. 16.

Kelleher, Francis W., Cambridge, assignor of one-half to A. L. Mariani, Everett, Mass. Spraying and washing device. 1,519,312; Dec. 16.

Kelley, Augustus N., Chicago, Ill., assignor to The Modern Foundry Company, Cincinnati, Ohio. Mold conveyor. 1,519,844; Dec. 16.

Kellogg Switchboard and Supply Company. (See Cassidy, Ormond F., assignor.)

Kemper, Charles H., Inc. (See Grievé, Archibald, assignor.)

Kennedy, James F. (See Hollahan, J. P., Jr., and Kennedy.)

Kennett, Frank C., Brooklyn, N. Y. Folding box. 1,519,406; Dec. 16.

Kent, Arthur A., Ardmore, Pa. Rheostat. 1,519,621; Dec. 16.

Kent, Charles, Sundridge, Ontario, Canada. Tractor steering device. 1,519,494; Dec. 16.

Keogh, James R., Philadelphia, Pa. Metallic packing. 1,519,845; Dec. 16.

Keyes, Ernest C., assignor to Whitin Machine Works, Whitinsville, Mass. Top-roll clearer. 1,519,139; Dec. 16.

Keyes, John J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Machine for wrapping insulation. 1,519,313; Dec. 16.

Kiefer, Karl, Cincinnati, Ohio. Valve for fluid-motive apparatus. 1,519,205; Dec. 16.

Kimbball, John A., Taylorville, Ill. Lamp adjuster. 1,519,917; Dec. 16.

Kimmerle, Albert, sr., Cincinnati, Ohio. Removable ratchet plate for accelerator levers of automobiles. 1,519,732; Dec. 16.

King, Edson E., and H. A. Worrell, Follett, Tex. Piston. 1,519,918; Dec. 16.

Kingman, Harry E., and J. Farguharson, Fort Collins, Colo. Embryotome. 1,519,407; Dec. 16.

Kleffel, Harrison E., New York, N. Y. Apparatus for delivering air tangentially to an air register. 1,519,846; Dec. 16.

Klein, Adrian B., assignor of one-half to Adam Hilger, Limited, London, England. Chromoscope. 1,519,919; Dec. 16.

Klingele, John, Yakima, Wash. Trigger-released supporting member. 1,519,687; Dec. 16.

Klohs, Sam F., assignor of one-half to J. F. Conner, Chicago, Ill. Locomotive front end. 1,519,780; Dec. 16.

Knapf Brothers Manufacturing Company. (See Thomas, Wingate S., assignor.)

Knee, John S., Grand Rapids, Mich. Hurdle. 1,519,847; Dec. 16.

Knight, Charles R., Ranger, assignor of one-half to A. M. Dillahunty, Beaumont, Tex. Animal trap. 1,519,459; Dec. 16.

Knight, Herbert M., Montclair, N. J. Building construction. 1,519,140; Dec. 16.

Knight, William E. S. (See Tapp, J., and Knight.)

Kochanski, Joseph, Chicago, Ill. Garment fastener. 1,519,380; Dec. 16.

Koenig, August, Lowell, assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Carrier-diverting device for carrier-dispatch systems. 1,519,993; Dec. 16.

Koenig, August, Lowell, Mass., assignor to The Lamson Company, Syracuse, N. Y. Carrier-delivery means for use in conveyor systems. 1,519,994; Dec. 16.

Kohn, Leo M., New York, N. Y. Folding machine. 1,519,733; Dec. 16.

Konicki, Klemens, Chicago, Ill. Footplate light. 1,519,734; Dec. 16.

Koopman, Alfred T., now by judicial change of name A. T. Pitman, Dayton, Ohio. Aeronautical apparatus. 1,519,622; Dec. 16.

Koupal, Walter G., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,519,314; Dec. 16.

Krag, Erik L., Chicago, Ill. Switch and switch box. 1,519,408; Dec. 16.

Kramer, Andrew A., and A. M. Griffin, Kansas City, Mo. Valve-operating-mechanism tank. 1,519,848; Dec. 16.

Kramer, Andrew A. (See Griffin, Alvah M., assignor.)

Kramer, William, and W. R. Balke, assignors of one-third to M. T. Sorensen, Sioux City, Iowa. Control for spring-motor-winding means. 1,519,920; Dec. 16.

Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc. Lamp-socket standard. Dec. 6, 1923; Dec. 16.

Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc. Lamp wall bracket. Dec. 6, 1923; Dec. 16.

Krause, John B., Hillsboro, Kans. Straw-binding machine. 1,519,141; Dec. 16.

Kreipke, Herman C., Los Angeles, Calif. Double-acting doorcheck. 1,519,584; Dec. 16.

Kristufek, Ladislav F. (See Jacomini, M. P., and Kristufek.)

Kruse, Edward H., Fort Wayne, Ind. Switch-box bracket. 1,519,735; Dec. 16.

Kubinyi, Jozsef, Canton, Ohio. Folding table. 1,519,543; Dec. 16.

Kuenzel, Charles A., Jr., Creighton, Nebr. Timber. 1,519,781; Dec. 16.

Kurscheidt, Peter J. (See Norwood, H. E., and Kurscheidt.)

Kurz Bros. Co. (See Berndt, Arthur A., assignor.)

Lake, Theodore, assignor of one-half to O. R. Van Cleave, Toronto, Kans. Automobile safety steering device. 1,519,849; Dec. 16.

Lakin, Harry W., Quincy, assignor to The Wilson Manufacturing Co., Inc., Boston, Mass. Securing means for pocket cases and the like. 1,519,142; Dec. 16.

Lamb, Arthur B., Cambridge, Mass., and W. C. Bray, Berkeley, Calif. Making iodine acid. 1,519,381; Dec. 16.

Lamb, Herbert W., assignor to F. E. Rozelle, Lagrange, Ind. Process of and apparatus for coloring fabric. 1,519,143; Dec. 16.

Lamberty, George E., Ogden, Utah. Automobile signal. 1,519,815; Dec. 16.

Lamson Company, The. (See Koenig, August, assignor.)

Lange, Jurgen P., Passaic, N. J. Spindle for grinders. 1,519,921; Dec. 16.

Langstaff, Clinton A., Taft, Calif. Dewatering tool. 1,519,585; Dec. 16.

Lanning, John G., assignor to Detroit Lubricator Company, Detroit, Mich. Fuelizer. 1,519,144; Dec. 16.

Larsh, James E., Cheviot, assignor to The Fossick Machine Tool Company, Cincinnati, Ohio. Device for imparting rotary motion. 1,519,316; Dec. 16.

Lausten, Louis A., Oakland, Calif. Sanitary toilet-seat cover. 1,519,409; Dec. 16.

Lautzenheiser, William H., Louisville, Ohio. Game. 1,519,850; Dec. 16.

Lavell, Lulu V., Minneapolis, Minn. Candlestick. Dec. 6, 1923; Dec. 16.

Lavell, Lulu V., Minneapolis, Minn. Candle holder. Dec. 6, 1923; Dec. 16.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for reclaiming fastenings. 1,519,145; Dec. 16.

Leahy, Thomas, North Kingsville, Ohio. Safety valve. 1,519,146; Dec. 16.

Lehnen, Edward C., Chicago, Ill. Smoke conveyer. 1,519,782; Dec. 16.

Lent, Wilmar F. (See Greist, H. M. and W. C., and Lent.)

Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining and loading machine. 1,519,147; Dec. 16.

Levinson, M. S., and Company. (See Jaffe, Lawson L., assignor.)

Lewis, Charles W., Portsmouth, N. H. Compensating grab plate. 1,519,736; Dec. 16.

Lewis, Emory S., New York, N. Y. Lighting-fixture cover. Dec. 6, 1923; Dec. 16.

Lewis, Thomas A., New York, N. Y. Water heater. 1,519,317; Dec. 16.

Lichte, Heinrich, Berlin, Germany, assignor to Dura Film Protector Co., New York, N. Y. Cleaning device for film strips. 1,519,460; Dec. 16.

Liebau, Richard, New Haven, Conn., assignor to The Westinghouse Air Spring Company. Automatic air spring. 1,519,851; Dec. 16.

Light, Peter, Cincinnati, Ohio. Opener. 1,519,495; Dec. 16.

Linderman, Bert A., assignor to Muskegon Machine Company, Muskegon, Mich. Positioning mechanism. 1,519,783; Dec. 16.

Lindsley, Fred E., Washington, Kans. Hayrack. 1,519,852; Dec. 16.

Lion Electric Manufacturing Co. (See Krause, Arthur R., assignor.)

Lissen, Olov G., Jersey City, N. J. Governor. 1,519,853; Dec. 16.

Livingston, William B., Chicago, Ill. Device for drawing off liquid portions of desired densities. 1,519,461; Dec. 16.

Lloyd, Alphonzo, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Venting mold. 1,519,586; Dec. 16.

Lockwood, Leon L., Centerport Harbor, N. Y. Fastener. 1,519,854; Dec. 16.

Locomotive Firebox Company. (See Hawley, Charles G., assignor.)

Locomotive Stoker Company. (See Lower, Nathan M., assignor.)

Lodwick, Frank L., Newport, Ky. Device for attaching, tightening, and clamping wire hose bands. 1,519,587; Dec. 16.

Lofand, Alfred M., Lebanon, Ind., assignor of one-half to L. C. Willis, Indianapolis, Ind. Metal wheel. 1,519,496; Dec. 16.

Loker, Charles F., Tonopah, Nev. Oil burner. 1,519,462; Dec. 16.

Lomax, Clarence S., Brooklyn, N. Y., and W. M. Grant, Birmingham, Ala., assignors to Illinois Anthracite Corporation, New York, N. Y. Producing a solid smokeless fuel from bituminous coal and lignite. 1,519,784; Dec. 16.

London, William J. A., Springfield, Mass. Flow meter. 1,519,855; Dec. 16.

Look, Fannie B., et al., trustees. (See Melcher, George S., assignor.)

Lorraine, David G., Los Angeles, Calif. Valve. 1,519,856; Dec. 16.

Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Underfeed stoker. 1,519,882; Dec. 16.

Lucas, Owen D., assignor to Vickers Limited, Westminster, London, England. Parachute. 1,519,857; Dec. 16.

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)

Lumley, Frank E., Omaha, Nebr. Valve. 1,519,858; Dec. 16.

Luna, Bruno, Rosebud, Tex. Cigar and cigarette holder. 1,519,785; Dec. 16.

Lupton, Benjamin M., Jr., Jersey City, N. J. Toy vehicle. 1,519,208; Dec. 16.

Lyndon, Edward, New York, N. Y. Light projector. 1,519,737; Dec. 16.

Mackin, Dwyer M. (See Sayen, Eli A., assignor.)

MacLeod, Bruce M. (See Elder, J., and MacLeod.)

MacLeod, Eldon, et al., trustees. (See Melcher, George S., assignor.)

MacPherson, Hugh D., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,519,497; Dec. 16.

Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Metal alloy. 1,519,862; Dec. 16.

Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Electrically-heated unit for heating liquids. 1,519,863; Dec. 16.

Magnus Electric Co. (See Harth, August, assignor.)

Mahlich, Joseph R., Stanton, Mich. Rifle sight. 1,519,865; Dec. 16.

Malcolm, Ormond C., and B. Jasneski, Auburn, N. Y. Headlight for motor vehicles. 1,519,318; Dec. 16.

Mallett, Charles S., Toronto, Ontario, Canada. Cluster plug. 1,519,498; Dec. 16.

Manassero, Giuseppe, Bronx, N. Y. Radiator-heating device for automobiles. 1,519,790; Dec. 16.

Manby, Harry B. (See Walker, T. R., and Manby.)

Manning, Rollo G., Ambridge, Pa. Girder support. 1,519,319; Dec. 16.

Manville, Charles J., Indianapolis, Ind. Illuminated house number. 1,519,791; Dec. 16.

Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Liquid-level indicator. 1,519,792; Dec. 16.

Marcalus, Nicholas. (See Rausch, R. H., and Marcalus.)

Marchetti, Alessandro, Rome, Italy. Stabilizer for flying apparatus sustained by propellers. 1,519,860; Dec. 16.

Mariani, Archie L. (See Kelleher, Francis W., assignor.)

Marko, Paul M., Brooklyn, N. Y. Storage-battery-cell cover. 1,519,867; Dec. 16.

Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making tires. 1,519,545; Dec. 16.

Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building apparatus. 1,519,546; Dec. 16.

Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Lubricating rubber surfaces. 1,519,547; Dec. 16.

Marshall, Aquila B., Brooklyn, N. Y., assignor to American Radiator Company, Chicago, Ill. Suction cleaning apparatus. 1,519,868; Dec. 16.

Martin, Edward L. (See Entwistle, T. J., O'Mara, and Donnelly, assignors.)

Martin, William H., New York, N. Y., assignor to American Telephone and Telegraph Company. Loud-speaker circuit. 1,519,211; Dec. 16.

Martin, William H. (See Clark, A. B., and Martin.)

Marty, Martin. (See Grothe, H., and Marty.)

Marx, Louis, New York, N. Y. Toy amusement device. 1,519,410; Dec. 16.

Mason Regulator Company. (See Melcher, George S.)

Mathias, Edward E., et al. (See Armistead, C. L., and Bates, assignors.)

Maxson, Frank P., Chicago, Ill. Fish scaler. 1,519,689; Dec. 16.

Mayes, Fred E. (See Gross, E. M., and Mayes.)

McCall, John, Toronto, Ontario, Canada. Street or station indicator. 1,519,148; Dec. 16.

McCammon, William S., Springfield, Mo. Dirigible headlight. 1,519,859; Dec. 16.

McClelland, Arthur J., Oklahoma City, Okla. Auto fender brace lug. 1,519,860; Dec. 16.

McColl, Francis P., Ridgewood, N. J., and W. W. Willison, Brooklyn, N. Y., assignors, by mesne assignments, to Thermokept Corporation. Preventing the formation of white deposits on commodities canned in vacuo. 1,519,149; Dec. 16.

McCollum, Fenelon, Jr., Mansfield Depot, Conn. Antiskid device. 1,519,688; Dec. 16.

McConnell, Charles W., et al., trustees. (See Melcher, George S., assignor.)

McCormick, Cyrus T., Fredericktown, Mo. Combination tool. 1,519,786; Dec. 16.

McCracken, Lolle, Santa Ana, Calif. Expansion plug for electric connections. 1,519,588; Dec. 16.

McEldowney, Clarence A., Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Armature. 1,519,861; Dec. 16.

McElroy, Frank C., Columbus, Ohio. Lamp. 1,519,209; Dec. 16.

McGavack, John. (See Bradley, C. E., and McGavack.)

McGowan, William L., Galt, Mo. Hog-ring holder. 1,519,738; Dec. 16.

McGuckin, John J., Brooklyn, N. Y. Assembling clamp. 1,519,219; Dec. 16.

McIndoe, George F., assignor of one-half to Niagara Paper Mills, Lockport, N. Y. Multicolor-printing press. 1,519,544; Dec. 16.

McIntire, Francis E., McHenry, Ky. Angle bar. 1,519,463; Dec. 16.

McKeever, Joseph N., Colfax, Iowa. Lifter for cylinder heads. 1,519,864; Dec. 16.

McNerthey, Thomas R., Tacoma, Wash. Process of and mechanism for separating metal from earth. 1,519,464; Dec. 16.

McTarnahan, John T., by operation of law to R. H. Cahonet, trustee in bankruptcy of McTarnahan Fuel Oil Burning Corporation, Boston, Mass. Automatic regulator for fuel-oil-burning apparatus. 1,519,787; Dec. 16.

McTarnahan, John T., by operation of law to R. H. Cahonet, trustee in bankruptcy of McTarnahan Fuel Oil Burning Corporation, Boston, Mass. Fuel-oil-burning apparatus. 1,519,788; Dec. 16.

Media Title & Trust Company, The, administrator. (See Teal, Louis.)

Melcher, Fannie O., executrix. (See Melcher, George S.)

Melcher, George S., deceased, by F. O. Melcher, executrix, Sharon; said George S. Melcher assignor to C. W. McConnell, Boston, E. MacLeod, Westwood, and F. B. Look, Northampton, Mass., trustees doing business as Mason Regulator Company. Pressure regulator. Re15,966; Dec. 16.

Menard, Edward A., and L. Reed, Springfield, Mass. Pedal holder. 1,519,793; Dec. 16.
 Menefee, Harry R., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Test device. 1,519,499; Dec. 16.
 Mentz, George B., Wallkill, N. Y. Brick mold. 1,519,150; Dec. 16.
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Stoneworking machine. 1,519,740; Dec. 16.
 Merco Nordstrom Valve Company. (See Jarvis, Ernest G., assignor.)
 Merrick, Herbert L., Passaic, N. J. Weighing mechanism. 1,519,151; Dec. 16.
 Merrick, Herbert L., Passaic, N. J. Weighing mechanism. 1,519,383; Dec. 16.
 Merryman, Harry, Carbondale, Ill. Spading device. 1,519,465; Dec. 16.
 Messer, George H., Newark, N. J. Liquid-fuel burner. 1,519,152; Dec. 16.
 Metal Forms Corporation. (See Reichert, August F., assignor.)
 Michalski, Joseph J., Buffalo, N. Y. Vehicle signal. 1,519,869; Dec. 16.
 Midgley, Thomas. (See Bowerman, J. A., Midgley, and Castriem.)
 Michie Printing Press & Manufacturing Company. (See Tindley, Edward E., assignor.)
 Miller, Edward, & Company. (See Wolter, Herman H., assignor.)
 Miller, Elmer E., Millersburg, Pa. Single-trigger fire mechanism for double-barrel guns. 1,519,589; Dec. 16.
 Miller, Harold A., et al. (See Riley, Henry, assignor.)
 Miller, John J., assignor to Perfect Window Regulator Company, New York, N. Y. Handle construction. 1,519,500; Dec. 16.
 Miller, Joseph. (See Stanley, Vongo, assignor.)
 Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Pattern mechanism for knitting machines. 1,519,384; Dec. 16.
 Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Balancing ocean-cable system. 1,519,870; Dec. 16.
 Minden Valve Stem Packing Company, The. (See Wilson, Thomas, assignor.)
 Miner, Evermont B., Portland, Oreg. Tube bender or hanging machine. 1,519,411; Dec. 16.
 Misch, Augustus, New York, N. Y. Washing machine. 1,519,690; Dec. 16.
 Mitchell, Martin V., Butte, Mont. Chain-tightener and coupling. 1,519,212; Dec. 16.
 Mittinger, George E., Cleveland Heights, Ohio. Crimping tool. 1,519,871; Dec. 16.
 Mitton, William E., New London, Wis., assignor to The Borden Company, New York, N. Y. Apparatus for shaking cans. 1,519,153; Dec. 16.
 Mitton, William E., New London, Wis., assignor to The Borden Company, New York, N. Y. Apparatus for inverting trays and the like. 1,519,154; Dec. 16.
 Mizrahi, Moz, New York, N. Y. Boat top. 1,519,691; Dec. 16.
 Modern Foundry Company, The. (See Kelley, Augustus N., assignor.)
 Moench, Franz A., Milwaukee, Wis. Electropneumatic unit-valve for pipe organs. 1,519,623; Dec. 16.
 Mohawk Electric Corporation. (See De Mare, Douglas, assignor.)
 Molby, Edgar C., Brooklyn, assignor to Iron Products Corporation, New York, N. Y. Heater. 1,519,501; Dec. 16.
 Molskness, Ole, Colman, S. Dak. Railway-crossing signal. 1,519,872; Dec. 16.
 Mooklar, Edward J., Kalaheo, Kauai, Hawaii. Producing a food product. 1,519,789; Dec. 16.
 Moore, Alfred M., Malden, assignor to C. M. Moore, Wakefield, doing business as Moore & Company, Everett, Mass. Shank for boots and shoes. 1,519,320; Dec. 16.
 Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Compressed-gaseous-fluid brake. 1,519,213; Dec. 16.
 Moore, Chester M. (See Moore, Alfred M., assignor.)
 Moore & Company. (See Moore, Alfred M., assignor.)
 Moore, Fred R., Chicago, Ill. Propulsion means for children's vehicles. 1,519,692; Dec. 16.
 Moore, Fred R., Chicago, Ill. Rotary medicine applicator. 1,519,693; Dec. 16.
 Moore, Giles S., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind. Trolley. 1,519,321; Dec. 16.
 Moore Inventions Corporation. (See Moore, Arlington, assignor.)
 Moore, John B., Latrobe, Pa. Indicating device. 1,519,214; Dec. 16.
 Moore, Lonnie M., Hopkinsville, Ky. Shade-bracket rod. 1,519,548; Dec. 16.
 Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,519,155; Dec. 16.
 Moran, Clarence A., Bronson, Minn. Potato-bug destroyer. 1,519,922; Dec. 16.
 Morlarty, Ernest C., U. S. Army. Fluid recoil brake for guns. 1,519,215; Dec. 16.
 Morrissey, Thomas F., East Orange, N. J. Auxiliary air inlet for automobiles. 1,519,156; Dec. 16.
 Mosonillo, Pasquale, Brooklyn, N. Y. Portable hanging vanity case. 1,519,873; Dec. 16.

Mott, Chester, Denver, Colo., assignor to Sullivan Machinery Company. Supporting means for rock drills. 1,519,981; Dec. 16.
 Moullbau, Jules J., Paris, France. Trouser braces. 1,519,466; Dec. 16.
 Muessman, Vincent C., Long Island City, N. Y. Pipe covering. 1,519,694; Dec. 16.
 Mull, Arthur B., Los Angeles, Calif. Convertible visor. 1,519,590; Dec. 16.
 Mullard Radio Valve Company, Limited, The. (See Mullard, Stanley R., assignor.)
 Mullard, Stanley R., assignor to The Mullard Radio Valve Company, Limited, Hammersmith, London, England. Suspension of incandescent filaments. 1,519,412; Dec. 16.
 Muller, Victor L., North Bergen, N. J. Valve-operating mechanism. 1,519,157; Dec. 16.
 Milnch, Gustav. (See Specketer, H., Milnch, and Rosentseher.)
 Munoz, Miguel G., Mexico, Mexico. Shoe sole and making the same. 1,519,624; Dec. 16.
 Munro, Alexander L., and H. H. Rumpel, assignors to Smith Engineering Works, Milwaukee, Wis. Primary breaker. 1,519,625; Dec. 16.
 Murmann, H. P. (See Hardman, Winton H., assignor.)
 Murphy, Alfred E., Boone, Iowa. Cap for liquid and pressure tanks. 1,519,413; Dec. 16.
 Murphy Door Bed Company. (See Murphy, William L., assignor.)
 Murphy, Ralph E., Topeka, Kans. Chair. 1,519,216; Dec. 16.
 Murphy, Walter P., New York, N. Y. Car roof. 1,519,217; Dec. 16.
 Murphy, Walter P. (See Bonsall, Charles D., assignor.)
 Murphy, William L., assignor to Murphy Door Bed Company, San Francisco, Calif. Folding bed. 1,519,414; Dec. 16.
 Muskegon Machine Company. (See Linderman, Bert A., assignor.)
 Myers, Joseph W., assignor to Hinkley-Myers Company, Jackson, Mich. Cylinder boring machine. 1,519,415; Dec. 16.
 Naeke, Karl, Brooklyn, N. Y. Husk for wall plates. Des. 66,241; Dec. 16.
 Naito, Asobu, assignor to Goro Matsukata, Tokyo, Japan. Treating magnetic sand or pulverized iron ore. 1,519,973; Dec. 16.
 Nalle, Charles R., Wichita Falls, Tex. Fastening device. 1,519,502; Dec. 16.
 Napier, John S., E. M. Porter, and J. Silva, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Slicing machine. 1,519,158; Dec. 16.
 National Box & Specialty Company. (See Verhulst, Jacob P., assignor.)
 National Carbon Company. (See Benner, Raymond C., assignor.)
 Nautaguck Chemical Company. (See Bradley, C. E., and McGavack, assignors.)
 Naumburg, Robert E. (See Daniloff, S., and Naumburg.)
 Neckerman, Wilson R., Pittsburgh, Pa. Coin-controlled lock. 1,519,159; Dec. 16.
 Nedrow, Roy E., Wenatchee, Wash. Box carrier. 1,519,160; Dec. 16.
 Negbauer, Harry, New York, N. Y., assignor to E. & J. Bass, Inc. Salt shaker or similar article. Des. 66,242; Dec. 16.
 Negbauer, Harry, New York, N. Y., assignor to E. & J. Bass, Inc. Salt shaker or similar article. Des. 66,243; Dec. 16.
 Nellissen, Willy, Blefeld, Germany. Gas-indicating device. 1,519,549; Dec. 16.
 Nelson, Hilmer, Marvendale, Pa. Repeating mechanism for phonographs. 1,519,695; Dec. 16.
 Nelson, Olaus N., and W. E. Strandquist, Sioux City, Iowa. Plow attachment. 1,519,161; Dec. 16.
 Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electrical flush receptacle. 1,519,923; Dec. 16.
 Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,519,924; Dec. 16.
 New York Coil Company. (See Rhoades, Lewis T., assignor.)
 Niagara Paper Mills. (See McIndoe, George F., assignor.)
 Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way high-frequency signaling. 1,519,626; Dec. 16.
 Nicholson, Charles S. (See Fey, A. D., and Nicholson.)
 Nicholson, Ned J. (See Fey, A. D., and Nicholson.)
 Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
 Niles-Bement-Pond Company. (See Cullen, James K., assignor.)
 Niles-Bement-Pond Company. (See Rausch, R. H., and Marcalus, assignors.)
 Niles-Bement-Pond Company. (See Wray, Edward H., assignor.)
 Nishina, Enpei, Tokyo-fu, Japan. Paper machine. 1,519,696; Dec. 16.
 Nissen, John P., Philadelphia, Pa. Stocking. Des. 66,253; Dec. 16.
 Noeltling, William H., assignor to Faultless Caster Company, Evansville, Ind. Caster and angle-iron mounting bracket. 1,519,794; Dec. 16.

Nolan, James A., Bowerston, Ohio. Automatic feeder. 1,519,925; Dec. 16.
 Norin, Adolf, Milwaukee, Wis. Tire. 1,519,162; Dec. 16.
 Norris, John W., Kimball, Nebr. Brake construction for motor vehicles. 1,519,467; Dec. 16.
 North Electric Manufacturing Company, The. (See Adams, Arthur H., assignor.)
 North, Samuel N., Toledo, Ohio. Piston ring. 1,519,697; Dec. 16.
 Norwood, Harry E., New York, and P. J. Kirscheidt, Brooklyn, assignors to Perfect Window Regulator Company, New York, N. Y. Handle construction. 1,519,503; Dec. 16.
 Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Making friction elements. 1,519,322; Dec. 16.
 Novlis Watch Company. (See Stoll, Mark W., assignor.)
 Noyes, Stanley E., Los Angeles, Calif. Partial denture. 1,519,505; Dec. 16.
 Nutry, John, Ridgewood, N. J. Novelty container. 1,519,795; Dec. 16.
 Nyquist, Harry. (See Clark, A. B., Gannett, and Nyquist.)
 Oak Rubber Company, The. (See Fauzon, Arturo G., assignor.)
 Obert, Thomas W., Eastwood, assignor to Iroquois China Company, Syracuse, N. Y. Plate or similar article. Des. 66,244; Dec. 16.
 Ogren, John, Stillwater, Minn. Truck body. 1,519,416; Dec. 16.
 O'Laughlin, Joseph A., Hutchinson, Kans. Shuk trap and lift. 1,519,323; Dec. 16.
 Olcott, Frank A., et al. (See Bunting, Reiner L., assignor.)
 Old Colony Trust Company, executor. (See Wesson, Joseph H., assignor.)
 Oliver, William C., Ferndale, Mich. Building. 1,519,627; Dec. 16.
 Olmsted, Francis A. (See Pilkington, E. J., and Olmsted.)
 Olson, Ole N. (See Thorp, W. A., and Olson.)
 O'Mara, Henry P. (See Entwistle, T. J., O'Mara, and Donnelly.)
 O'Neill, D. M. (See Freglin, Herman, assignor.)
 Ordway, Frank L., assignor to Parker Bros., Salem, Mass. Toy building block. 1,519,974; Dec. 16.
 Osborn, Homer L., New York, N. Y. Valet chair. 1,519,324; Dec. 16.
 Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass turnover frame. 1,519,325; Dec. 16.
 Owens, Frank R., Beaver Cross, Nebr. Pump jack. 1,519,926; Dec. 16.
 Packard Motor Car Company. (See Moorehouse, Alfred, assignor.)
 Page, Howard L., Chicago, Ill., assignor to Home Stove and Foundry Company. Combined burner and damper control for toaster or broiler ovens. 1,519,326; Dec. 16.
 Page, John B., Canton, Ohio. Pastry container. 1,519,874; Dec. 16.
 Pando, Edgardo, Philadelphia, Pa. Electric shaving machine. 1,519,504; Dec. 16.
 Parker Clarence L., Los Angeles, Calif. Variable-pitch propeller for airplanes. 1,519,163; Dec. 16.
 Parker Bros. (See Ordway, Frank L., assignor.)
 Parks, Roy C., assignor to Harry Brothers Manufacturing Company, Detroit, Mich. Brake-band anchor bracket. 1,519,875; Dec. 16.
 Parr, La Vern R., Los Angeles, Calif. Signal-lamp face-plate. Des. 66,245; Dec. 16.
 Pasdera, Edward, St. Paul, Nebr. Wire splicer and stretcher. 1,519,982; Dec. 16.
 Pasman, Abram N., Waterbury, Conn. Flush-tank fitting. 1,519,796; Dec. 16.
 Paulus, Charles L. (See Kauch, R., and Paulus.)
 Payne, Clarence Q., New York, N. Y. Electromagnetic clutch. 1,519,417; Dec. 16.
 Peace, Harvey W., assignor of one-half to J. W. Gibson, Toronto, Ontario, Canada. Pedal. 1,519,327; Dec. 16.
 Peck, Fleming H., Seattle, Wash. Form for molding concrete walls. 1,519,418; Dec. 16.
 Peck, Wilbur H., Los Angeles, Calif. Centrifugal separator. 1,519,419; Dec. 16.
 Peelle, Willis J., Chicago, Ill. Vacuum sealing cap for fruit jars and the like. 1,519,628; Dec. 16.
 Perdl, Steven, New York, N. Y. Clock mechanism. 1,519,797; Dec. 16.
 Perfect Window Regulator Company. (See Miller, John J., assignor.)
 Perfect Window Regulator Company. (See Norwood, H. E., and Kirscheidt, assignors.)
 Perry, Harold D., Cincinnati, Ohio, assignor, by mesne assignments, to Skylark Radio Corporation. Rheostat. 1,519,591; Dec. 16.
 Person, John, assignor of one-half to B. Solomson, Mora, Minn. Bag holder. 1,519,698; Dec. 16.
 Peterman, Mahlon L., Portland, Oreg. Bearing-lubricating device. 1,519,699; Dec. 16.
 Peterson, Emil R., St. Maries, Idaho. Saw set. 1,519,592; Dec. 16.
 Pfeiffer, Benjamin S., Winnetka, Ill. Tractor. 1,519,164; Dec. 16.
 Pfeiffer, John A. (See Vauclain, J. L., and Pfeiffer.)
 Phelps, Ab J., Alhambra, Calif. Routing bit. 1,519,876; Dec. 16.
 Phillips, Silas L., Delavan, Wis. Pen and pencil holder. 1,519,700; Dec. 16.

Pilkington, Earl J., Cambridge, and F. A. Olmsted, Everett, Mass. Drink mixer and similar device. 1,519,798; Dec. 16.
 Pillmer, Philip F., Philadelphia, Pa. Driving belt. 1,519,165; Dec. 16.
 Plotrowski, Anthony, Chicago, Ill. Combination vest and belt. 1,519,877; Dec. 16.
 Pitman, Alfred T. (See Koopman, Alfred T., assignor.)
 Pittsburgh Plate Glass Company. (See Ericsson, Gustav E., assignor.)
 Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)
 Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
 Pittsburgh Plate Glass Company. (See Fox, J. H., and Redshaw, assignors.)
 Pittsburgh Plate Glass Company. (See Gelstharp, Frederick C., assignor.)
 Pittsburgh Plate Glass Company. (See Helchert, Herman S., assignor.)
 Pittsburgh Plate Glass Company. (See Koupal, Walter G., assignor.)
 Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
 Pittsburgh Plate Glass Company. (See Taylor, William H., assignor.)
 Pneumocenter Company. (See Field, Michael B., assignor.)
 Polhemus, Albert, Jersey City, N. J. Outlet-box construction. 1,519,927; Dec. 16.
 Pony Tricycle Corporation. (See Harker, Hyrum S., assignor.)
 Poole, Arthur F., Pelham Manor, assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,519,328; Dec. 16.
 Porter, Ernest M. (See Napier, J. S., Porter, and Silva.)
 Postel-Vinay, Pierre J. R., assignor to Societe des Moteurs Salmson (Système Canton-Unne), Paris, France. Suspension device for vehicles. 1,519,468; Dec. 16.
 Poth, Benjamin F., New York, N. Y. Storage battery. 1,519,701; Dec. 16.
 Powell, Lucian B., Jr. (See Powell, Orrin B., assignor.)
 Powell, Orrin B., Jacksonville, Fla., assignor to L. B. Powell, Jr., Farmville, Va. Railway spike. 1,519,329; Dec. 16.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,519,330; Dec. 16.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,519,331; Dec. 16.
 Powers, Thomas E., Clarinda, Iowa. Collapsible supporting device. 1,519,506; Dec. 16.
 Powers, Thomas E. (See Train, W. J., and Powers.)
 Pozgay, Carl, Jamaica, N. Y. Forming wire terminals. 1,519,550; Dec. 16.
 Preuss, Oscar R., Bloomfield, N. J. Puzzle. 1,519,702; Dec. 16.
 Price, Fred. (See Van Dyke, Gerald M., assignor.)
 Presnitz, Joseph, Olmitz, Kans. Seed dispenser. 1,519,928; Dec. 16.
 Primmer, George R., Artesia, assignor of one-half to G. Sproule, Montebello, Calif. Jar. 1,519,551; Dec. 16.
 Prinke, Gust, Butte Falls, Oreg. Dirigible headlight. 1,519,703; Dec. 16.
 Pugatsky, Max, and B. H. Goldstein, New York, N. Y. Garment attachment. 1,519,878; Dec. 16.
 Quinby, Edwin J., New York, assignor to Quinby Radio Frame Corporation, Brooklyn, N. Y. Radiocabinet. 1,519,260; Dec. 16.
 Quinby Radio Frame Corporation. (See Quinby, Edwin J., assignor.)
 Quinn, Patrick F. (See Hart, James D., assignor.)
 Radio Corporation of America. (See Edwards, Robert C., assignor.)
 Radiotive Corporation. (See Schmidt, Lambert, assignor.)
 Rae-Lite Manufacturing Co. (See Beyer, Herbert G., assignor.)
 Rand, James H., Jr., Tonawanda, and L. C. Broecker, Buffalo, N. Y.; said Broecker assignor to said Rand. Tray or support for record matter. 1,519,704; Dec. 16.
 Ranney, Cassius W., New Castle, Pa. Pipe key for tobacco pipes. 1,519,261; Dec. 16.
 Rapp, Fred, West Albany, N. Y. Crank base for railway signal apparatus. 1,519,262; Dec. 16.
 Rascher, Frederick H., Jr., Arlington Heights, Ill. Paintbrush. 1,519,929; Dec. 16.
 Rasmussen, James W. (See Bean, O. L., and Rasmussen.)
 Rath, John, Bayonne, N. J. Tank car. 1,519,507; Dec. 16.
 Rauch, Philip, Brooklyn, assignor to Fawcett Wrench Company, New York, N. Y. Brace tool. 1,519,166; Dec. 16.
 Rausch, Roswell H., and N. Marcalus, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Machine-tool-frame structure. 1,519,332; Dec. 16.
 Raybestos Company, The. (See Novak, Izador J., assignor.)
 Read, Ernest K., Wilkinsburg, and C. A. Johnson, Larimer, Pa., assignors to Westinghouse Electric and Manufacturing Company. Interlock for switches. 1,519,263; Dec. 16.
 Read, Ernest K. (See Johnson, C. A., and Read.)

Redfield, Guy C., San Antonio, Tex. Curtain holder. 1,519,930; Dec. 16.
 Redfield, Snowden R., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Unloader. 1,519,705; Dec. 16.
 Redshaw, Joseph H. (See Fox, J. H., and Redshaw.)
 Reed, Lester. (See Menard, E. A., and Reed.)
 Reed, Theodore R., Hampton, Nebr. Chain fastener. 1,519,469; Dec. 16.
 Reed, William A. E., North Carlton, near Melbourne, Victoria, Australia. Spring expanding bracelet and wristlet. 1,519,799; Dec. 16.
 Reeves, William A. (See Tucker, O. M., and Reeves.)
 Rebbeln, Herman, Mischicot, Wis. Hook link. 1,519,931; Dec. 16.
 Reich, Gustave T., Sausalito, Calif. Purifying fermentation gases. 1,519,932; Dec. 16.
 Reichert, August F., assignor to Metal Forms Corporation, Milwaukee, Wis. Form for providing openings in plastic walls. 1,519,264; Dec. 16.
 Remington Accounting Machine Corporation. (See Remington Accounting Machine Corporation.)
 Remington Typewriter Company. (See Young, Frederick W., assignor.)
 Rhoades, Lewis T., Mont Clare, Pa., assignor to New York Coll. Company, New York, N. Y. Coll support. 1,519,167; Dec. 16.
 Rhodes, Charles J., and G. W. Berry, Wakefield, England. Draw press for sheet metal. 1,519,333; Dec. 16.
 Rich Tool Company. (See Jardine, Robert, assignor.)
 Richey, George A., Urbana, Ohio. Open fireplace. 1,519,218; Dec. 16.
 Richter, George A., assignor to Brown Company, Berlin, N. H. Interrelated process of and apparatus for producing sulphate and sulphite pulp. 1,519,508; Dec. 16.
 Richter, George A., assignor to Brown Company, Berlin, N. H. System for and method of producing sulphate and sulphite pulp. 1,519,509; Dec. 16.
 Rico, Pedro M., Arecibo, Porto Rico. Inkwell. Des. 66,246; Dec. 16.
 Riddle, Edward N., Co., The. (See Crowell, Frank S., assignor.)
 Ridgway, Edward J., Staten Island, N. Y. Plate or similar article. Des. Re15,970; Dec. 16.
 Riffard, Georges, New York, N. Y. Micrometer or tension wrench. 1,519,800; Dec. 16.
 Rigby, John J., Brooklyn, N. Y. Drawing press. 1,519,552; Dec. 16.
 Riker, Andrew L., Fairfield, Conn. Ventilator. 1,519,553; Dec. 16.
 Riley, Henry Kearney, assignor of one-third to H. A. Miller, Belleville, and one-third to A. K. Harlow, Nutley, N. J. Yeast food and making same. 1,519,801; Dec. 16.
 Rinaldy, Edward S., Rockville Center, N. Y. Intermittently-operating apparatus. 1,519,168; Dec. 16.
 Rixson, Oscar C., Co., The. (See Weber, Bruno, assignor.)
 Roach-Appleton Manufacturing Company. (See Appleton, Ernst G., assignor.)
 Robb, Alex. L., assignor of one-fourth to O. D. Carter and one-fourth to C. H. Speckter, Fresno, Calif. Lubricating device. 1,519,706; Dec. 16.
 Robbins, Lorin R., Milwaukee, Wis. Plate, shears. 1,519,983; Dec. 16.
 Roberts, Alva G., Erie, Kans. Jar for removing standing valves. 1,519,219; Dec. 16.
 Roberts, Ella L., Los Angeles, Calif. Lady's undergarment. 1,519,265; Dec. 16.
 Roebbing, Millard E., Cincinnati, Ohio. Signal lamp. 1,519,266; Dec. 16.
 Röhl, Hans, Mannheim, assignor to Schwarzwaldwerke Lanz, Kommanditgesellschaft, Donauessingen, Baden, Germany. Centrifugal milk separator. 1,519,629; Dec. 16.
 Rohrer, Daniel W., Trenton, N. J. Lock. 1,519,933; Dec. 16.
 Roll, John, West Allis, Wis. Vehicle pull. 1,519,334; Dec. 16.
 Románach, Antonio, Buenos Aires, Argentina. Wheel. 1,519,630; Dec. 16.
 Root, William R. (See Samuelson, Alexander, assignor.)
 Rosenthal, Harry A. (See Rosenthal, S., Subber, and Rosenthal.)
 Rosenthal, Sylvan, M. Subber, and H. A. Rosenthal, Philadelphia, Pa. Roll-chart holder. 1,519,554; Dec. 16.
 Ross, Chaire T., New York, N. Y. Poster. 1,519,934; Dec. 16.
 Ross, Harry B., Denver, Colo. Transmission-gear set. 1,519,420; Dec. 16.
 Rossteutscher, Fritz. (See Speckter, H., Münch, and Rossteutscher.)
 Rozelle, Frank E. (See Lamb, Herbert W., assignor.)
 Ruben, Samuel, New York, N. Y. Method and apparatus for gas determinations. 1,519,555; Dec. 16.
 Rubin, Adolph, assignor to Sieber Products Manufacturing Company, St. Louis, Mo. Refrigerator lock. 1,519,267; Dec. 16.
 Rudolph, Walter H., and W. S. Hart, assignors to The Fuller Brush Company, Hartford, Conn. Handle for mops, brushes, and the like. 1,519,335; Dec. 16.
 Rumpel, Harvey H. (See Munro, A. L., and Rumpel.)
 Runberg, John, Hopkins, Minn. Pipe wrench. 1,519,169; Dec. 16.

Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Valve. Re15,965; Dec. 16.
 Russell, Nathaniel H., Chicago, Ill. Spark plug. 1,519,707; Dec. 16.
 Rutherford, Marvin E., assignor to Abilene Manufacturing Company, Abilene, Tex. Support for the cross braces of motor vehicles. 1,519,935; Dec. 16.
 Ryder, Elmer, Argo, Ill. Combined heater and muffler for motor vehicles. 1,519,984; Dec. 16.
 Saco-Lowell Shops. (See Daniloff, S., and Naumburg, assignors.)
 Sallsbury Turbine Motor Co. (See Sallsbury, Wilbur A., assignor.)
 Sallsbury, Wilbur A., assignor to Sallsbury Turbine Motor Co., Spokane, Wash. Turbine engine. 1,519,336; Dec. 16.
 Samuelson, Alexander, assignor to W. R. Root, Terre Haute, Ind. Damming flow of molten glass. 1,519,802; Dec. 16.
 Santurn, George H. (See Clench, William A., assignor.)
 Santarsiero, Antonio V., New York, N. Y. Safety cooker. 1,519,510; Dec. 16.
 Sargant & Greenleaf Inc. (See Weber, Eugene R., assignor.)
 Sawtelle, Henry F., Leominster, Mass. Massage device. 1,519,631; Dec. 16.
 Sayen, Eli A., assignor of one-fourth to D. M. Macklin, Escanaba, Mich. Agricultural machine. 1,519,632; Dec. 16.
 Sayles Finishing Plants. (See Huey, Harold L., assignor.)
 Schicklering, Alfred, Scarsdale, N. Y. Lap robe. 1,519,741; Dec. 16.
 Schirmer, Cyrus T., Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Elapsed-time recorder. 1,519,633; Dec. 16.
 Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Chuck-operating mechanism. 1,519,337; Dec. 16.
 Schleicher, Adolf, Los Angeles, Calif. Pneumatic tire. Des. 66,247; Dec. 16.
 Schlepp, Morris, New York, N. Y. Lighting fixture. Des. 66,248; Dec. 16.
 Schmidt, Charles, McKees Rocks, Pa., assignor of one-half to A. Goldvarg, Spark plug. 1,519,511; Dec. 16.
 Schmidt, Gustav H., Bydgoszcz, Poland. Soft collar stiffener. 1,519,593; Dec. 16.
 Schmidt, Lambert, assignor to Radiotive Corporation, Brooklyn, N. Y. Telephone receiver or transmitter. 1,519,811; Dec. 16.
 Schneider, Heinrich, Winterthur, Switzerland. Locomotive driven by internal-combustion engine. 1,519,812; Dec. 16.
 Schneider, Jacob J., New York, N. Y. Toy. 1,519,936; Dec. 16.
 Schnell, Charles W., Fresno, Calif. Composition for use in automobile tire casings. 1,519,268; Dec. 16.
 Schrock, George W., Kellogg, Idaho. Drilling device. 1,519,512; Dec. 16.
 Schroeder, Rudolph W., Chicago, Ill. Combined-flow meter and speedometer. 1,519,269; Dec. 16.
 Schuessler, George L., Chicago, Ill. Printing. 1,519,934; Dec. 16.
 Schürer, Eugen, Cologne-Bülhelm, Germany. Continuously-loaded conductor. 1,519,220; Dec. 16.
 Schürer, Eugen, Cologne-Bülhelm, Germany. Continuously-loaded conductor. 1,519,221; Dec. 16.
 Schwab, Louis. (See Braley, Thomas E., assignor.)
 Schwarzwaldwerke Lanz, Kommanditgesellschaft. (See Röhl, Hans, assignor.)
 Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric circuits. 1,519,635; Dec. 16.
 Scott, Walter E., Providence, R. I., assignor to The C. J. Fox Company, Foldable box. 1,519,813; Dec. 16.
 Sebring, Charles L., Sebring, Ohio. Drying rack for pottery manufacture. Re15,967; Dec. 16.
 Sedgwick, Edward, Roundup, Mont. Never-slip tire chain. 1,519,937; Dec. 16.
 Sehrig, Paul. (See Hager, A., and Sehrig.)
 Seiss, George J., Toledo, Ohio. Electric motor. 1,519,222; Dec. 16.
 Seiss, George J., Toledo, Ohio. Automobile horn bracket. 1,519,223; Dec. 16.
 Sellars, William S., Brooklyn, N. Y., and B. S. Clark, Maywood, Ill., assignors to American Can Company, New York, N. Y. Gasket. 1,519,803; Dec. 16.
 Seng Company, The. (See Coopersmith, Rudolph, assignor.)
 Seng Company, The. (See Dyke, Darrell F., assignor.)
 Serene, Paul, assignor of one-third to R. P. Higby and one-third to L. F. Donnell, Youngstown, Ohio. Power-operated hair clipper. 1,519,636; Dec. 16.
 Service Equipment Company. (See Farley, George E., assignor.)
 Severin, Carl C. (See Graves, M. E., and Severin.)
 Seyms, Robert W., San Francisco, Calif. Water control for sprinklers. 1,519,338; Dec. 16.
 Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc barrier for dynamo-electric machines. 1,519,270; Dec. 16.
 Shannon, Charles L., Jr., Cincinnati, Ohio. Apparatus for attaching tile to a vertical wall. 1,519,637; Dec. 16.
 Shapiro, Charles H., Chicago, Ill. Radiator. 1,519,879; Dec. 16.

Sharaf, Ralph M., assignor to R. M. Sharaf Machine Co., Boston, Mass. Feeding mechanism for sewing machines. 1,519,556; Dec. 16.
 Sharaf, R. M., Machine Co. (See Sharaf, Ralph M., assignor.)
 Sharp & Smith. (See Brix, Harold, assignor.)
 Sharrock, Joseph F., Salem, Mass. Waterproof garment. 1,519,557; Dec. 16.
 Shawmut Engineering Company. (See Bixby, Walter, assignor.)
 Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
 Shoemaker, Guy E., Freedom, Pa. Water-heating apparatus. 1,519,594; Dec. 16.
 Shrayer, William E., Norwalk, Conn. Razor honing and stropping device. 1,519,170; Dec. 16.
 Sielen, Henry, assignor to C. C. Hoefer, Kansas City, Mo. Thermal-circuit interrupter. 1,519,638; Dec. 16.
 Sieber, Gottwalt, Plauen, Germany. Thread-conducting device for gripper looms. 1,519,804; Dec. 16.
 Sieber Products Manufacturing Company. (See Rubin, Adolph, assignor.)
 Silva, John. (See Napier, J. S., Porter, and Silva.)
 Simmons Company. (See Barnes, George W., assignor.)
 Simmons, Fred H., Hannibal, Mo. Attachment for welding torches. 1,519,639; Dec. 16.
 Simmons, Frederick D., Ocean Falls, British Columbia, Canada. Transfer roll in paper-making machines. 1,519,985; Dec. 16.
 Simler, Jay J., Framingham, assignor of one-half to C. B. Archer, Sherborn, Mass. Game. 1,519,339; Dec. 16.
 Sluzer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
 Singer Manufacturing Company, The. (See Eames, G. M., and Finch, assignors.)
 Skylark Radio Corporation. (See Perry, Harold D., assignor.)
 Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-fed lock for rock drills. 1,519,171; Dec. 16.
 Slough, Frank M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone. 1,519,271; Dec. 16.
 Smith, Donald V., Hollister, Calif. Flexible pliers. 1,519,938; Dec. 16.
 Smith Engineering Works. (See Munro, A. L., and Rumpel, assignors.)
 Smith, Ernest C., Chicago, Ill., assignor to International Harvester Company. Convertible manure-spreader bottom. 1,519,340; Dec. 16.
 Smith, Frances G., Brooklyn, N. Y. Suspending means. 1,519,341; Dec. 16.
 Smith, George W., Little Rock, Ark. Railway crossing. 1,519,939; Dec. 16.
 Smith, Jerry J., North Adams, Mass. Oil burner. 1,519,940; Dec. 16.
 Smith, Leith A., Washington, D. C. Rotary valve. 1,519,513; Dec. 16.
 Snider, Clint B., Independence, Kans. Tire-removing tool. 1,519,558; Dec. 16.
 Sobeck, George S., Jr., Luzerne, Pa. Combination grain container and door. 1,519,941; Dec. 16.
 Société des Moteurs Salomon (Système Canton-Unne). (See Postel-Vinny, Pierre, J. R., assignor.)
 Solomson, Brother. (See Person, John, assignor.)
 Solway Process Company, The. (See Bacon, Nathaniel T., assignor.)
 Sorenson, Myron T. (See Kramer, W., and Balke, assignors.)
 Sovereign, Frank H., Vallejo, Calif. Ratchet. 1,519,595; Dec. 16.
 Sparks-Withington Company, The. (See McEldowney, Clarence A., assignor.)
 Specht, Fred, Callaway, Nebr. Cultivator attachment. 1,519,596; Dec. 16.
 Speckter, Heinrich, G. Münch, Griesheim-on-the-Main, and F. Rossteutscher, Schwanheim-on-the-Main, Germany, assignors, by mesne assignments, to American Lurgi Corporation, New York, N. Y. Production of pure alumina. 1,519,880; Dec. 16.
 Speckter, Clarence H., et al. (See Robb, Alex. L., assignor.)
 Sperry Development Company. (See Sperry, Elmer A., assignor.)
 Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Mercury-cooled transfer valve. 1,519,272; Dec. 16.
 Sprague Canning Machinery Company. (See Colbert, Clarence F., assignor.)
 Sprong, Severn D., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,519,273; Dec. 16.
 Sproule, George. (See Primmer, George B., assignor.)
 Staats-Oels, Rudolph C. G., Monroe, N. Y. Automobile bumper. 1,519,597; Dec. 16.
 Standard Coupler Company. (See Goodwin, Ernest G., assignor.)
 Standard X-Ray Company. (See Hettich, William G., assignor.)
 Stanley, Vongo, assignor of one-half to J. Miller, Burlington, Iowa. System for train control. 1,519,986; Dec. 16.
 Stein, Nicholas D., assignor of one-half A. C. Kalusche, St. Cloud, Minn. Chord-playing attachment for stringed instruments. 1,519,881; Dec. 16.
 Stemkoski, Stanley, Luke, Md. Chicken-coop lock. 1,519,598; Dec. 16.

Stevens & Company. (See Braley, Thomas E., assignor.)
 Stevens, Frank M., assignor to The Armand Company, Des Moines, Iowa. Vanity case. 1,519,514; Dec. 16.
 Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake control. 1,519,172; Dec. 16.
 Stewart, Roderick, and T. W. Walker, Vernon, Tex. Rippling tool. 1,519,882; Dec. 16.
 Stewart, Scott S., Rivesville, W. Va. Check holder. 1,519,883; Dec. 16.
 Stewart-Warner Speedometer Corporation. (See Whittington, Frederick G., assignor.)
 Stewart, William E., assignor of one-half to T. Stoughton, South Glens Falls, N. Y. Self-clearing silencer for paper-making machines. 1,519,559; Dec. 16.
 Stickney, Burnham C., Ellzabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. 1,519,224; Dec. 16.
 Stoll, Mark W., Newark, N. J., assignor to Novallis Watch Company, Inc., New York, N. Y. Watch casing. Dec. 66,249; Dec. 16.
 Stone, Charles W. (See Bumbaugh, R. R., and Stone.)
 Stone, Nathan M., Chicago, Ill. Menu-card holder. 1,519,805; Dec. 16.
 Stonehill, Charles A., Glencoe, Ill. Toothbrush construction. 1,519,515; Dec. 16.
 Stoughton, Theodore. (See Stewart, William E., assignor.)
 Strandquist, Wilhelm E. (See Nelson, O. N., and Strandquist.)
 Street, Clement F., Greenwich, Conn. Starting engine for locomotives. 1,519,599; Dec. 16.
 Street, Clement F., Greenwich, Conn. Auxiliary starting engine for locomotives. 1,519,600; Dec. 16.
 Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
 Stromberg-Carlson Telephone Manufacturing Company, The. (See Slough, Frank M., assignor.)
 Stryker, Walter W., deceased, Dayton, Ohio; E. T. Jones, administrator. Fuel vaporizer. 1,519,516; Dec. 16.
 Stubbs, Arthur O., Des Moines, Iowa. Milk strainer. 1,519,421; Dec. 16.
 Sturgis, Charles E., Rochester, N. Y. Buckle. 1,519,274; Dec. 16.
 Subber, Morris. (See Rosenthal, S., Subber, and Rosenthal.)
 Sucharipa, Rudolph, Prague, Czechoslovakia. Method and apparatus for drying a substance carried in a liquid. 1,519,561; Dec. 16.
 Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
 Sullivan Machinery Company. (See Gilman, George H., assignor.)
 Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
 Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
 Sullivan Machinery Company. (See Mott, Chester, assignor.)
 Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
 Swan, Charles, San Francisco, Calif. Paving composition. 1,519,560; Dec. 16.
 Swan, E. D. (See Dickinson, J. H., and Swan.)
 Swan, John B., assignor of one-half to L. Czemleky, Denver, Colo. Wheeled cultivator. 1,519,275; Dec. 16.
 Swehla, Louis, Mason City, Iowa. Valve regulator. 1,519,640; Dec. 16.
 Tamberlin, John, assignor to The George W. Blabon Company, Philadelphia, Pa. Inlaid-linoleum machine. 1,519,742; Dec. 16.
 Tamberlin, John, assignor to The George W. Blabon Company, Philadelphia, Pa. Lubricating linoleum-die mechanisms. 1,519,743; Dec. 16.
 Tapp, Jesse, and W. E. S. Knight, Dunedin, Otago, New Zealand. Machinery-belt fastener. 1,519,708; Dec. 16.
 Tavernetti, Walter R., Salinas, Calif. Road-map exhibitor. 1,519,276; Dec. 16.
 Taylor, Harvey B., Philadelphia, Pa. Hydraulic turbine. 1,519,173; Dec. 16.
 Taylor, Le Roy, assignor to N. M. Way, New York, N. Y. Game. 1,519,422; Dec. 16.
 Taylor, William H., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Making glass blanks for parabolic reflectors. 1,519,277; Dec. 16.
 Teal, Louis, deceased, Lansdowne, Pa. The Media Title & Trust Company, administrator. Newspaper-assembling method and mechanism. 1,519,562; Dec. 16.
 Ternstedt Manufacturing Company. (See Andersen, Andrew C., assignor.)
 Ternstedt Manufacturing Company. (See Helutz, Ernest E., assignor.)
 Thayer, Marshall K., Casper, Wyo. Valve-actuating attachment for automobiles and the like. 1,519,517; Dec. 16.
 Thelmer, Max, Elizabeth, N. J. Blinding machine for bolognas or other similar products. 1,519,423; Dec. 16.
 Thermokept Corporation. (See McCall, F. P., and Willson, assignors.)
 Thigpen, William R., Fayetteville, N. C., assignor to Draper Corporation, Hopedale, Mass. Tension device for loom shuttles. 1,519,942; Dec. 16.
 Thomas, Arthur E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Whip roll for looms. 1,519,424; Dec. 16.

Thomas, Benjamin, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Transmission mechanism. 1,519,744; Dec. 16.
 Thomas, Wingate S., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Carpet fastener. 1,519,745; Dec. 16.
 Thompson, Walter N., Taft, Calif. Rotary underreamer. 1,519,641; Dec. 16.
 Thomson, John, Brooklyn, N. Y. Water-meter compound reducing gear train. 1,519,563; Dec. 16.
 Thomson, John, Brooklyn, N. Y. Remolding hard-rubber water-meter disks to precise dimensions. 1,519,564; Dec. 16.
 Thorndike, Rothchild F., assignor to Walker Lithograph and Publishing Co., Boston, Mass. Two-part collapsible display box. 1,519,565; Dec. 16.
 Thorp, Walter A., and O. N. Olson, Mankato, Kans. Hen's nest. 1,519,518; Dec. 16.
 Tiefenthaler, Andrew W., Anaconda, Mont. Ignition timer. 1,519,566; Dec. 16.
 Timbs, Edward, assignor to Union Tool Company, Torrance, Calif. Well-casing hook. 1,519,519; Dec. 16.
 Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)
 Titusville Iron Works Company, The. (See Fisher, C. E., and Aular, assignors.)
 Tobler, Henri, Hackensack, assignor to American Bromine Company, Maywood, N. J. Apparatus for the extraction and recovery of bromine. 1,519,642; Dec. 16.
 Tomasulo, Epifanio V. N., now by judicial change of name N. S. Tomasulo, Philadelphia, Pa. Power hair clipper. 1,519,601; Dec. 16.
 Tomasulo, Nestor N. (See Tomasulo, Epifanio V. N.)
 Tomlin, Alfred A., Toronto, Ontario, Canada. Spinning bait. 1,519,174; Dec. 16.
 Topham, James R., Zellenople, Pa. Tire. Des. 66,250; Dec. 16.
 Torrington Company, The. (See Davis, Charles W., assignor.)
 Townsend, John W., assignor to American Lithographic Company, New York, N. Y. Clamping device for sheets of sheets. 1,519,225; Dec. 16.
 Trask, Allan P., Bangor, Me. Internal-combustion engine. 1,519,814; Dec. 16.
 Traxler, David, Detroit, Mich. Garment pocket. 1,519,385; Dec. 16.
 Trenchard, Henry, Jr., Brooklyn, N. Y. Envelope. 1,519,567; Dec. 16.
 Trow, George B., Shreveport, La. Wrench. 1,519,175; Dec. 16.
 Troger, Erma M. (See Troger, Fred O. and E. M.)
 Troger, Fred O. and E. M., assignors to T. E. Jackson, Detroit, Mich. Tonster. 1,519,176; Dec. 16.
 Trolley Shoe-Wheel Company. (See Moore, Giles S., assignor.)
 Trowbridge, Leroy, Springfield, S. Dak. Seesaw. 1,519,884; Dec. 16.
 Trust, Henry. (See Trust, Josephine and H.)
 Trust, Josephine and H., Park Ridge, N. J., assignors, by mesne assignments, to Fitchburg Machine Works, Fitchburg, Mass. Truck. 1,519,979; Dec. 16.
 Trybulski, Mary, et al. (See Comfort, Michael, assignor.)
 Trybulski, Wojciech alias George, et al. (See Comfort, Michael, assignor.)
 Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio. Interchangeable spout-aperture bushing and applying the same. 1,519,885; Dec. 15.
 Tufts, David, Pittsburgh, Pa. Guard for firearms. 1,519,886; Dec. 16.
 Turonne, Wilfred J., Danvers, Mass. Supporting base for heating units of bathtubs and other heaters. 1,519,278; Dec. 16.
 Tyler, William T., Chicago, Ill. Grain door. 1,519,226; Dec. 16.
 Tyson, Lawrence D. (See Crenshaw, Leonard S., assignor.)
 Uffert, Walter B., Astoria, N. Y. Plowyoce and plow. 1,519,887; Dec. 16.
 Uffert, Walter B., New York, N. Y. Plow-contact-spring-securing means. 1,519,888; Dec. 16.
 Underwood Typewriter Company. (See Coreoran, Cornelius H., assignor.)
 Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
 Underwood Typewriter Company. (See Waldheim, John, assignor.)
 Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
 Union Tool Company. (See Goesser, E. W., and Davidson, assignors.)
 Union Tool Company. (See Timbs, Edward, assignor.)
 United Engineering and Foundry Company. (See Biggert, Florence C., Jr., assignor.)
 United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
 United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
 U. S. and Foreign Patents Holding Co. (See Bean, O. L., and Rasmussen, assignors.)
 U. S. Slicing Machine Company. (See Brown, Robert H., assignor.)
 Ulrich, Benjamin, Milwaukee, Wis. Puncture-closing device for tires. 1,519,227; Dec. 16.

Urbhart, Alexander, Derby, Conn. Clutch. 1,519,386; Dec. 16.
 Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer and changing the temperature of fluids. 1,519,746; Dec. 16.
 Van Amstel, Tudor, assignor to Western Electric Company, Incorporated, New York, N. Y. Slow-acting relay. 1,519,568; Dec. 16.
 Van Arsdale, Henry, New Rochelle, N. Y. Memorandum and reminder pad. 1,519,643; Dec. 16.
 Vance, Charles E., Pittsburgh, Pa. Gasket cutter. 1,519,815; Dec. 16.
 Van Cleve, Otis R. (See Lake, Theodore, assignor.)
 Van Dyke, Gerald M., Tientsin, China, assignor of one-half to F. Price, Fort McDowell, Calif. Paper file. 1,519,889; Dec. 16.
 Van Heusen, John M., Boston, Mass. Neckband. 1,519,279; Dec. 16.
 Vapor Car Heating Company. (See Russell, Edward A., assignor.)
 Vaucrain, Jacques L., Haverford, and J. A. Pfeiffer, Philadelphia, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Radial driving wheel for locomotives. 1,519,943; Dec. 16.
 Verbust, Jacob P., assignor to National Box & Specialty Company, Sheboygan, Wis. Box-sealing machine. 1,519,644; Dec. 16.
 Vickers, Thomas, Earlestown, England. Machine for molding plastic substances. 1,519,569; Dec. 16.
 Vickers Limited. (See Lucas, Owen D., assignor.)
 Vietel, Ole, Chicago, Ill. Chain clamp. 1,519,709; Dec. 16.
 Volkmer, Edward F., Brooklyn, N. Y. Machine for forming and wrapping packages. 1,519,177; Dec. 16.
 Von Gunten, Edward G., assignor to The Farmer's Sanitary Strainer & Manufacturing Company, Akron, Ohio. Strainer device. 1,519,890; Dec. 16.
 Von Loutzkoy, Boris, Berlin, Germany. Laminated tire. 1,519,178; Dec. 16.
 Vulcan Last Company, The. (See Clausing, George, assignor.)
 Wade, Henry N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Thermostatic switch. 1,519,747; Dec. 16.
 Wahl Company, The. (See Waring, James H., assignor.)
 Wakefield, Walter H., and L. F. Hoffman, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent rolling of bobbins. 1,519,710; Dec. 16.
 Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,519,645; Dec. 16.
 Walker Lithograph and Publishing Co. (See Thorndike, Rothchild F., assignor.)
 Walker, Thomas R., and H. B. Manby, Denver, Colo. Piano-key sanding and polishing machine. 1,519,425; Dec. 16.
 Walker, Thomas W. (See Stewart, R., and Walker.)
 Walker, William, Royal, Iowa. Educational device. 1,519,426; Dec. 16.
 Walker, William L., South Portland, Me. Bill file. 1,519,891; Dec. 16.
 Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,519,387; Dec. 16.
 Walter, Richard, Dusseldorf, Germany. Alloy. 1,519,388; Dec. 16.
 Wandel, Kurt, New York, N. Y. Method and apparatus for the manufacture of corrugated board. 1,519,280; Dec. 16.
 Wandel, Kurt, New York, N. Y. Manufacture of corrugated paperboard. 1,519,281; Dec. 16.
 Ward, Kenneth B., Chicago, Ill. Drafting implement. 1,519,446; Dec. 16.
 Ward, Leonard S., Valley City, N. Dak. Letter opener. 1,519,816; Dec. 16.
 Waring, James H., Milwaukee, Wis., assignor, by mesne assignments, to The Wahl Company, Chicago, Ill. Pencil. Re15,968; Dec. 16.
 Warren, Stephen R., Akron, Ohio. Pulley thimble. 1,519,520; Dec. 16.
 Wirsén, August W., Brooklyn, N. Y. Gripper for printing presses and paper-using machines. 1,519,944; Dec. 16.
 Warwick, W. E. (See Anderson, Lottie E., assignor.)
 Way, Nelson M. (See Taylor, Le Roy, assignor.)
 Wayne Tank and Pump Company. (See Geyer, Benjamin F., assignor.)
 Weber, Bruno, Chicago, Ill., assignor to The Oscar C. Rixon Co. Door-sock. 1,519,521; Dec. 16.
 Weber, Eugene R., assignor to Sargeant & Greenleaf Inc., Rochester, N. Y. Lock. 1,519,282; Dec. 16.
 Weber, William L., Chicago, Ill. Tool for slotting commutators. 1,519,228; Dec. 16.
 Webster, Lewis E., assignor to The Wyoming Shovel Works, Wyoming, Pa. Collapsible shovel. 1,519,892; Dec. 16.
 Webster, Willard M. (See Wernil, G. D., and Webster.)
 Wedgwood & Sons, Josiah, Inc., of America. (See Goodwin, John E., assignor.)
 Weizel, Daniel M., London, England, assignor, by mesne assignments, to The American Wire Cord Tire Company, Wilmington, Del. Method and apparatus for making pneumatic-tire fabrics. 1,519,522; Dec. 16.

Weingartner, Anthony E., assignor to American Engineering Company, Philadelphia, Pa. Coupling. 1,519,945; Dec. 16.
 Weir, G. & J., Limited. (See Weir, James G., assignor.)
 Weir, James G., Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Hydraulic installation. 1,519,570; Dec. 16.
 Wentes, Louis, Philadelphia, Pa. Stacking device for chips or counters. 1,519,389; Dec. 16.
 Wernil, George D., and W. M. Webster, Los Angeles, Calif. Ladder support. 1,519,283; Dec. 16.
 Wesson, Joseph H., deceased, Springfield, by Old Colony Trust Company, executor, Boston, Mass. Magazine pistol. 1,519,806; Dec. 16.
 Western Electric Company. (See Beach, William C., assignor.)
 Western Electric Company. (See Hartley, Ralph V. L., assignor.)
 Western Electric Company. (See Hazard, Allen B., assignor.)
 Western Electric Company. (See Helsing, Raymond A., assignor.)
 Western Electric Company. (See Horton, Joseph W., assignor.)
 Western Electric Company. (See MacPherson, Hugh D., assignor.)
 Western Electric Company. (See Menefee, Harry R., assignor.)
 Western Electric Company. (See Nichols, Harold W., assignor.)
 Western Electric Company. (See Scriven, Edward O., assignor.)
 Western Electric Company. (See Van Amstel, Tudor, assignor.)
 Western Union Telegraph Company, The. (See Milnor, Joseph W., assignor.)
 Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
 Westinghouse Air Brake Company, The. (See Down, S. G., and Hunkill, assignors.)
 Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
 Westinghouse Air Spring Company, The. (See Liebau, Richard, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Aalberg, Christian, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bolze, R. A., and Denman, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Clarke, John A., Jr., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Fechtelner, Carl J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Inague, Floyd T., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Hartzell, W. L., and Huey, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Harvey, A. L., and Hunter, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Henninger, Philip E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Johnson, C. A., and Read, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Keyes, John J., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Read, E. K., and Johnson, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Shand, Errol B., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Sprang, Severn D., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Wilson, James R., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
 Westinghouse Electric Products Company. (See Forshee, F. F., and Woodson, assignors.)
 Westinghouse Electric Products Company. (See Woodson, James C., assignor.)
 Wetmore, Albert G., Plymouth, Ind. Machine for cutting materials. 1,519,647; Dec. 16.
 Whetzel, Joshua C. (See Wilson, R. E., and Whetzel.)
 Whitaker, Joseph P. (See Fielding, J., and Whitaker.)
 White, S. S., Dental Manufacturing Company, The. (See Heck, George D., assignor.)
 Whitehead, Thomas C., Detroit, Mich. Rim and spoke connection. 1,519,807; Dec. 16.
 Whitin Machine Works. (See Keyes, Ernest C., assignor.)
 Whitnell, Charles O., Des Moines, Iowa. Ventilating skylight window. 1,519,427; Dec. 16.
 Whittaker, John A., Detroit, Mich. Device for leveling wooden floor sleepers. 1,519,179; Dec. 16.
 Whittington, Frederick G., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Steering-wheel drive for speedometers. Re15,969; Dec. 16.
 Wilsch, Julius A., Deutsch-Catharinenberg, Germany. Device for separating solid liquid, or semisolid matter from gases, vapors, and the like. 1,519,428; Dec. 16.
 Williams, Clarence E., Chicago, Ill., assignor to The Beaver Products Co., Inc., Buffalo, N. Y. Plaster board. 1,519,180; Dec. 16.

Williams, Glen L., assignor to Detroit Aero Metals Company, Detroit, Mich. Obtaining Aluminum from its ores. 1,519,948; Dec. 16.
 Williams, Ira. (See Zimmerman, E. C., and Williams.)
 Williams, William H., Jacobs Creek, Pa. Combination jack. 1,519,946; Dec. 16.
 Williamson, John A., assignor to The Automatic Coin Stacker Corporation, Denver, Colo. Combined automatically and manually operating coin counting and stacking machine. 1,519,947; Dec. 16.
 Willis, Lewis C. (See Lofland, Alfred M., assignor.)
 Willison, Walter W. (See McColl, F. P., and Willison.)
 Willoughby, Malcolm F., Cambridge, Mass. Self-winding fog signal. 1,519,342; Dec. 16.
 Wilson, James R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,519,284; Dec. 16.
 Wilson, Leon P., Sioux City, Iowa. Surface-treating device. 1,519,181; Dec. 16.
 Wilson Manufacturing Co., The. (See Lakin, Harry W., assignor.)
 Wilson, Robert E., Cambridge, Mass., and J. C. Whetzel, Pittsburgh, Pa. Impregnated carbon and making same. 1,519,470; Dec. 16.
 Wilson, Thomas, assignor to The Minden Valve Stem Packing Company, Inc., Minden, La. Valve-stem packing. 1,519,571; Dec. 16.
 Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor-controlling means. 1,519,995; Dec. 16.
 Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor-unloading mechanism. 1,519,996; Dec. 16.
 Winkler, Kaspar, Altstetten, near Zurich, Switzerland. Treating mortar, cement, concrete, and the like. 1,519,285; Dec. 16.
 Winkler, Kaspar, Altstetten, near Zurich, Switzerland. Treating mortar, cement, concrete, and the like. 1,519,286; Dec. 16.
 Withey, Bert A., Chicago, Ill. Game board. 1,519,711; Dec. 16.
 Wolf, Albert, assignor to Württembergische Metallwarenfabrik, Gelsingen-Steige, Germany. Electroplating. 1,519,572; Dec. 16.
 Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Shade holder. Des. 66,251; Dec. 16.
 Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Canopy for lighting fixtures. Des. 66,252; Dec. 16.
 Woltz, Albert M., assignor, by mesne assignments, to M. L. Himmel & Son Company, Inc., Baltimore, Md. Belt-operating mechanism. 1,519,471; Dec. 16.
 Wood, Straud K., Hutchinson, Kans. Car-identifying means. 1,519,472; Dec. 16.
 Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Electric heating system for conveyor ovens. 1,519,287; Dec. 16.
 Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oven. 1,519,288; Dec. 16.
 Woodson, James C. (See Forshee, F. F., and Woodson.)
 Worrell, Homer A. (See King, E. E., and Worrell.)
 Worthington Pump and Machinery Corporation. (See Benson, Harry F., assignor.)
 Wray, Edward H., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y. Tool-feeding mechanism. 1,519,390; Dec. 16.
 Württembergische Metallwarenfabrik. (See Wolf, Albert, assignor.)
 Wyoming Shovel Works, The. (See Webster, Lewis E., assignor.)
 Yaggy, Menno, Van Nuys, Calif. Dairy stanchion. 1,519,429; Dec. 16.
 Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Apparatus for making illuminating gas. 1,519,523; Dec. 16.
 Young, Edward J., Milwaukee, Wis. Collapsible shoe shiner. 1,519,712; Dec. 16.
 Young, Forrest J., assignor to Union Tool Company, Torrance, Calif. Casing hook. 1,519,430; Dec. 16.
 Young, Frederick W., Utica, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,519,524; Dec. 16.
 Youngstown Pressed Steel Company, The. (See Curtis, Lewis E., assignor.)
 Young-Whitwell Gas Process Company. (See Young, Daniel J., assignor.)
 Zahn, Albert E., Washington, D. C. Accelerometer. 1,519,473; Dec. 16.
 Zelsa, Firm of Carl. (See Bauersfeld, Walther, assignor.)
 Zeldow, August, San Rafael, Calif. Can opener. 1,519,431; Dec. 16.
 Ziemss, Henry, Jr., Chicago, Ill. Toy. 1,519,432; Dec. 16.
 Zimmerman, Eric C., and I. Williams, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Extensometer. 1,519,602; Dec. 16.
 Zimmermann, William F., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hollow butt-welded piston for sand rammers. 1,519,182; Dec. 16.
 Zuckerman, William, New York, N. Y. Book cover. 1,519,948; Dec. 16.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasives, Grading. F. Goisharp. 1,519,250; Dec. 16.
Accelerometer. A. F. Zahm. 1,519,473; Dec. 16.
Acid, Making. Iodine. A. B. Lamb and W. C. Bray. 1,519,381; Dec. 16.
Addressing machine. A. De Meurisse. 1,519,119; Dec. 16.
Aerial turbine with vertical axis and helical centripetal circulation. P. E. A. Fortier-Beaullien. 1,519,417; Dec. 16.
Aeronautical apparatus. A. T. Koopman. 1,519,622; Dec. 16.
Agricultural implement. J. Fazekas and J. Czvik. 1,519,776; Dec. 16.
Agricultural machine. E. A. Sayen. 1,519,632; Dec. 16.
Aircraft propulsion. E. N. Fales. 1,519,444; Dec. 16.
Airplane. J. W. S. Hodgdon. 1,519,618; Dec. 16.
Airplane-covering material. N. S. Clay. 1,519,239; Dec. 16.
Airplanes, Variable-pitch propeller for. C. L. Parker. 1,519,163; Dec. 16.
Air register, Apparatus for delivering air tangentially to an. H. E. Kleffel. 1,519,846; Dec. 16.
Airships and fastening the same, Outer cover for rigid. L. Dürr. 1,519,772; Dec. 16.
Air spring, Automatic. R. Liebau. 1,519,851; Dec. 16.
Air washing and ventilating machine. H. Fregin. 1,519,726; Dec. 16.
Air, water, and light service tower. G. E. Farley. 1,519,725; Dec. 16.
Alloy. E. G. Jarvis. 1,519,377; Dec. 16.
Alloy. R. Walter. 1,519,388; Dec. 16.
Alloy, Metal. R. W. Macy. 1,519,862; Dec. 16.
Alumina, Production of. H. Specketer, G. Münch, and F. Rosentusch. 1,519,880; Dec. 16.
Aluminum from its ores, Obtaining. G. L. Williams. 1,519,618; Dec. 16.
Amusement device, Strength-testing. E. Graf. 1,519,679; Dec. 16.
Angle bar. F. E. McIntire. 1,519,463; Dec. 16.
Animal trap. C. R. Knight. 1,519,459; Dec. 16.
Antiskid device. F. McCallum, Jr. 1,519,688; Dec. 16.
Arc converter. H. F. Elliott. 1,519,398; Dec. 16.
Armature. C. A. McElowney. 1,519,861; Dec. 16.
Armature-banding machine. P. E. Henninger. 1,519,397; Dec. 16.
Assembling clamp. P. E. Braler. 1,519,187; Dec. 16.
Assembling clamp. J. J. McGuckin. 1,519,210; Dec. 16.
Attrition mill. A. P. Daniel. 1,519,241; Dec. 16.
Auger for postholes and wells. H. Grathe and M. Marty. 1,519,132; Dec. 16.
Auto fender brace lug. A. J. McClelland. 1,519,860; Dec. 16.
Auto table. K. B. Harvey. 1,519,977; Dec. 16.
Automobile bumper. R. C. G. Staats-Oels. 1,519,597; Dec. 16.
Automobile bumpers, Clamping device for. R. B. Fageol. 1,519,399; Dec. 16.
Automobile fuel tank. F. W. Furen. 1,519,728; Dec. 16.
Automobile horn bracket. G. J. Seiss. 1,519,223; Dec. 16.
Automobile safety steering device. T. Lake. 1,519,849; Dec. 16.
Automobile signal. G. E. Lamberty. 1,519,315; Dec. 16.
Automobile tires and similar articles, Frame for holding. T. Davis. 1,519,575; Dec. 16.
Automobile whistle. H. P. Huffman. 1,519,839; Dec. 16.
Automobiles, Auxiliary air inlet for. T. F. Morrissey. 1,519,156; Dec. 16.
Automobiles, Elevating and tilting device for. H. Campbell. 1,519,357; Dec. 16.
Automobiles, Radiator-heating device for. G. Manassero. 1,519,790; Dec. 16.
Automobiles, Rear bumper for. W. P. Hammond. 1,519,540; Dec. 16.
Automobiles, Removable ratchet plate for accelerator levers of. A. Kimmie, sr. 1,519,732; Dec. 16.
Badge or button. C. L. Craver. 1,519,362; Dec. 16.
Bag frame, Hand. J. Johansen. 1,519,684; Dec. 16.
Bag holder. J. Person. 1,519,698; Dec. 16.
Bait, Spinning. A. A. Tomlin. 1,519,174; Dec. 16.
Balling press. G. R. Brown. 1,519,109; Dec. 16.
Bar: See—
Angle bar.
Bath brush and holder. N. Burkart. 1,519,721; Dec. 16.
Battery: See—
Storage battery.
Bead fillers, Manufacture of. J. A. Bowerman, T. Midgley, and M. Casticum. 1,519,482; Dec. 16.
Bearing-lubricating device. M. L. Peterman. 1,519,609; Dec. 16.
Bearing, Shaft. H. F. Benson. 1,519,391; Dec. 16.
Bender. C. Dingle. 1,519,533; Dec. 16.
Bed, Folding. W. L. Murphy. 1,519,414; Dec. 16.
Belt, Driving. P. F. Pulliner. 1,519,165; Dec. 16.
Belt fastener, Machinery. J. Tapp and W. E. S. Knight. 1,519,708; Dec. 16.
Blender. C. H. Franz, Jr. 1,519,610; Dec. 16.
Blind: See—
Composite blind.
Block: See—
Toy building block.
Blow pipe or torch. J. Harris. 1,519,582; Dec. 16.
Board: See—
Game board.
Boat top. M. Mizrahi. 1,519,691; Dec. 16.
Boobins, Device to prevent rolling of. W. H. Wakefield and L. F. Hoffman. 1,519,710; Dec. 16.
Boilers and furnaces, Firing door for. R. T. Horton. 1,519,838; Dec. 16.
Bolognas or other similar products, Binding machine for. M. Theimer. 1,519,423; Dec. 16.
Bolt. A. W. Hood. 1,519,308; Dec. 16.
Bolt-operating mechanism. A. M. Woltz. 1,519,471; Dec. 16.
Book cover. W. Zuckerman. 1,519,948; Dec. 16.
Boots and shoes, Shank for. A. M. Moore. 1,519,320; Dec. 16.
Bottle cap and opener, Combined. A. C. Allums. 1,519,160; Dec. 16.
Bowling pin. E. Hedenskoog. 1,519,835; Dec. 16.
Box: See—
Display box.
Foldable box.
Box carrier. R. E. Nedrow. 1,519,169; Dec. 16.
Brace tool. P. Rauch. 1,519,166; Dec. 16.
Bracelet and wristlet, Spring expanding. W. A. E. Reed. 1,519,799; Dec. 16.
Bracelet, Flexible. J. Fielding and J. P. Whitaker. 1,519,578; Dec. 16.
Bracket: See—
Automobile horn bracket.
Brake: See—
Fluid brake.
Brake-band anchor bracket. R. C. Parks. 1,519,875; Dec. 16.
Brake control, Automotive. C. D. Stewart. 1,519,172; Dec. 16.
Branding apparatus. W. S. Blag. 1,519,481; Dec. 16.
Breaker, Primary. A. L. Munro and H. H. Rumpel. 1,519,625; Dec. 16.
Broadcast drill. J. B. Bowman. 1,519,951; Dec. 16.
Brick, Building. E. A. Ardell. 1,519,999; Dec. 16.
Brick mold. G. B. Mentz. 1,519,159; Dec. 16.
Brick-making machine. M. P. Jacomini and L. F. Kristufek. 1,519,455; Dec. 16.
Brooder stove. H. L. Gaddis. 1,519,819; Dec. 16.
Broom. H. Cave. 1,519,359; Dec. 16.
Brooming, Apparatus for the extraction and recovery of. H. Tobler. 1,519,642; Dec. 16.
Brush construction. R. S. Blair. 1,519,232; Dec. 16.
Brush holder. F. T. Hague. 1,519,394; Dec. 16.
Brush, Power-operated magazine. H. K. Chan. 1,519,630; Dec. 16.
Buckle. C. E. Sturges. 1,519,274; Dec. 16.
Building. W. C. Oliver. 1,519,627; Dec. 16.
Building construction. F. R. Hahn. 1,519,305; Dec. 16.
Building construction. H. M. Knight. 1,519,140; Dec. 16.
Bumper, Pneumatic. A. M. Hughes. 1,519,967; Dec. 16.
Burner: See—
Liquid-fuel burner.
Burners and the like, Adjustable support for. L. S. Chadwick. 1,519,964; Dec. 16.
Burr holder. G. D. Hook. 1,519,614; Dec. 16.
Bushings and applying the same, Interchangeable spout-aperture. O. M. Tucker and W. A. Reeves. 1,519,885; Dec. 16.
Button. L. S. Cooney. 1,519,487; Dec. 16.
Cabinet, Jar. J. Bates. 1,519,968; Dec. 16.
Cable system, Balancing ocean. J. W. Minor. 1,519,870; Dec. 16.
Cables, Coupling for armored. L. A. Brooke. 1,519,108; Dec. 16.
Calculating machine. A. F. Poole. 1,519,328; Dec. 16.
Calendars, etc., Holder for. H. E. Austin. 1,519,653; Dec. 16.
Can-filling machine. C. F. Colbert. 1,519,756; Dec. 16.
Can opener. A. Zidovec. 1,519,431; Dec. 16.
Can spout. R. V. Graham. 1,519,911; Dec. 16.
Can washer. A. G. Douthitt. 1,519,443; Dec. 16.
Cans, Apparatus for shaking. W. E. Mitton. 1,519,153; Dec. 16.
Candle holder. L. V. Lavell. Des. 66,238; Dec. 16.
Candlestick. L. V. Lavell. Des. 66,237; Dec. 16.
Canned in vacuo, Preventing the formation of white deposits on commodities. F. P. McColl and W. W. Whillson. 1,519,149; Dec. 16.
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Carbon and making same, Impregnated. R. E. Wilson and J. C. Whetzel. 1,519,470; Dec. 16.
Carburetor attachment. W. W. Farnsworth. 1,519,371; Dec. 16.
Card rack. T. O. Brooks. 1,519,394; Dec. 16.
Carpet fastener. W. S. Thomas. 1,519,745; Dec. 16.
Carrier: See—
Box carrier.
Tire carrier.
Produce carrier.
Wheel carrier.
Rod carrier.
Cartons, Flap sealer for. T. R. Gantler. 1,519,129; Dec. 16.
Case: See—
Vanity case.
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Caster and angle-iron mounting bracket. W. H. Noeltling. 1,519,794; Dec. 16.
Cement or the like product and making same, Reticulated or cellular. N. C. Johnson. 1,519,311; Dec. 16.
Centrifugal separator. W. H. Peck. 1,519,419; Dec. 16.
Chain clamp. O. Vittel. 1,519,709; Dec. 16.
Chain fastener. T. R. Reed. 1,519,469; Dec. 16.
Chain tightener and coupling. M. V. Mitchell. 1,519,212; Dec. 16.
Chair: See—
Valet chair.
Chair. R. E. Murphy. 1,519,216; Dec. 16.
Chandelier. L. A. Crumley. Des. 66,226; Dec. 16.
Changeable projector, Automatic. W. D. Christensen. 1,519,308; Dec. 16.
Channeling machine, Hammer-type. C. C. Hansen. 1,519,134; Dec. 16.
Chart holder. Roll. S. Rosenthal, M. Subber, and H. A. Rosenthal. 1,519,554; Dec. 16.
Check holder. S. S. Stewart. 1,519,883; Dec. 16.
Chicken hoyer. C. W. Carol. 1,519,115; Dec. 16.
Chopper: See—
Cotton chopper.
Chromosome. A. B. Klein. 1,519,919; Dec. 16.
Chuck-operating mechanism. O. Schlaupitz. 1,519,337; Dec. 16.
Chute, Loading. W. J. Frain and T. E. Powers. 1,519,909; Dec. 16.
Cigar and cigarette holder. B. Luna. 1,519,785; Dec. 16.
Cinematograph apparatus, Shutter for. R. W. Bond. 1,519,392; Dec. 16.
Cinematographic exposures, Device for making. W. Bannertfeld. 1,519,105; Dec. 16.
Circuit interrupter. C. Aalborg. 1,519,230; Dec. 16.
Circuit interrupter, Thermal. H. Sieben. 1,519,638; Dec. 16.
Circuit opening and closing device. F. P. Huber. 1,519,966; Dec. 16.
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Hose clamp.
Chain clamp.
Clamping device. W. T. Burmeister. 1,519,914; Dec. 16.
Cleaner: See—
Vacuum cleaner.
Cleaning and abrading device. H. P. Easton, jr. 1,519,577; Dec. 16.
Cleaning and polishing composition. A. Edmondson. 1,519,907; Dec. 16.
Cleaning apparatus, Suction. A. B. Marshall. 1,519,868; Dec. 16.
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Clock case, Globe. M. Comfort. Des. 66,224; Dec. 16.
Clock mechanism. S. Perdi. 1,519,797; Dec. 16.
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Clutch. A. Urquhart. 1,519,886; Dec. 16.
Clutch, Electromagnetic. C. Q. Payne. 1,519,417; Dec. 16.
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Compressor installation. B. Graemiger. 1,519,449; Dec. 16.
Compressor unloading mechanism. W. H. Wineman. 1,519,996; Dec. 16.
Conductor, Continuously-loaded. E. Schürer. 1,519,220-1; Dec. 16.
Conduits, Making. F. L. Bishop. 1,519,658; Dec. 16.
Concrete and other material, Molding machine for shaping plastic material out of. E. M. Camp. 1,519,902; Dec. 16.
Concrete walls, Form for molding. F. H. Peck. 1,519,418; Dec. 16.
Control system. W. L. Hartzell and G. W. Huey. 1,519,254; Dec. 16.
Conveyer systems, Carrier-delivery means for use in. A. Koenig. 1,519,994; Dec. 16.
Conveying mechanism. H. Clark. 1,519,293; Dec. 16.
Cooker, Safety. A. V. Santasiero. 1,519,510; Dec. 16.
Cooking apparatus. A. M. Demuth. 1,519,766-7; Dec. 16.
Coop lock, Chicken. S. Stempkowski. 1,519,598; Dec. 16.
Corrugated board, Method and apparatus for the manufacture of. K. Wandel. 1,519,289; Dec. 16.
Corrugated paperboard, Manufacture of. K. Wandel. 1,519,281; Dec. 16.
Cotton chopper. R. C. Franke. 1,519,198; Dec. 16.
Cotton trapper. A. Cullander and E. Ilaga. 1,519,294; Dec. 16.
Counting and stacking machine, Combined automatically and manually operating coin. J. A. Williamson. 1,519,947; Dec. 16.
Coupling: See—
Impulse coupling.
Pipe coupling.
Coupling. A. E. Weingartner. 1,519,945; Dec. 16.
Coupling device. A. O. Deeter. 1,519,442; Dec. 16.
Crane-truck outrigger. C. E. Cochran. 1,519,117; Dec. 16.
Crank holder. L. J. Hermann. 1,519,964; Dec. 16.
Crate, Bottle. A. A. Berndt. 1,519,655; Dec. 16.
Creams, sauces, etc., Whip for. B. De Vore. 1,519,606; Dec. 16.
Crimping tool. G. E. Mittinger. 1,519,871; Dec. 16.
Crown and making the same, Faced. C. Bechtold. 1,519,969; Dec. 16.
Cultivator attachment. F. Specht. 1,519,596; Dec. 16.
Cultivator, Wheeled. J. B. Swan. 1,519,275; Dec. 16.
Cup: See—
Grease cup.
Current meter, Alternating. L. Adert. 1,519,098; Dec. 16.
Curtain holder. G. C. Redfield. 1,519,930; Dec. 16.
Cut-off mechanism, Spiral-winder. W. F. Büttler. 1,519,754; Dec. 16.
Cutter: See—
Gasket cutter.
Hedge cutter.
Cutter-bar tool. W. A. Born. 1,519,949; Dec. 16.
Cutting materials, Machine for. A. G. Wetmore. 1,519,647; Dec. 16.
Cutting spherical openings. H. Allemeler. 1,519,344; Dec. 16.
Cylinder-boring machine. J. W. Myers. 1,519,415; Dec. 16.
Cylinder heads, Lifter for. J. M. McKeever. 1,519,864; Dec. 16.
Dairy stanchion. M. Yaggy. 1,519,429; Dec. 16.
Daylight, Process and apparatus for artificially reconstituting. C. H. A. Gamain. 1,519,448; Dec. 16.
Delivery mechanism, Extension. M. J. Bailey. 1,519,817; Dec. 16.
Denture, Partial. S. E. Noyes. 1,519,605; Dec. 16.
Diphlegmator. D. C. Brandon. 1,519,719; Dec. 16.
Dewatering tool. C. A. Langstaff. 1,519,585; Dec. 16.
Dice thrower. C. L. Johnson. 1,519,405; Dec. 16.
Dispatch systems, Carrier-diverting device for carrier. A. Koenig. 1,519,993; Dec. 16.
Dispensing apparatus, Weight-controlled. N. C. Johnson. 1,519,685; Dec. 16.
Display box. G. H. Grey. 1,519,539; Dec. 16.
Display box, Two-part collapsible. R. F. Thorndike. 1,519,565; Dec. 16.
Display device. A. Dietsche, jr. 1,519,193; Dec. 16.
Display device. C. F. Kay. 1,519,207; Dec. 16.
Display stand. W. E. Kehoe. Des. 66,234; Dec. 16.
Distributing loose material, System and apparatus for. J. W. Callahan. 1,519,953; Dec. 16.
Distributing mechanism. A. B. Hazard. 1,519,613; Dec. 16.

xxxii

ALPHABETICAL LIST OF INVENTIONS.

xxxiii

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Creams, sauces, etc., Whip for. B. De Vore. 1,519,606; Dec. 16.
Crimping tool. G. E. Mittinger. 1,519,871; Dec. 16.
Crown and making the same, Faced. C. Bechtold. 1,519,969; Dec. 16.
Cultivator attachment. F. Specht. 1,519,596; Dec. 16.
Cultivator, Wheeled. J. B. Swan. 1,519,275; Dec. 16.
Cup: See—
Grease cup.
Current meter, Alternating. L. Adert. 1,519,098; Dec. 16.
Curtain holder. G. C. Redfield. 1,519,930; Dec. 16.
Cut-off mechanism, Spiral-winder. W. F. Büttler. 1,519,754; Dec. 16.
Cutter: See—
Gasket cutter.
Hedge cutter.
Cutter-bar tool. W. A. Born. 1,519,949; Dec. 16.
Cutting materials, Machine for. A. G. Wetmore. 1,519,647; Dec. 16.
Cutting spherical openings. H. Allemeler. 1,519,344; Dec. 16.
Cylinder-boring machine. J. W. Myers. 1,519,415; Dec. 16.
Cylinder heads, Lifter for. J. M. McKeever. 1,519,864; Dec. 16.
Dairy stanchion. M. Yaggy. 1,519,429; Dec. 16.
Daylight, Process and apparatus for artificially reconstituting. C. H. A. Gamain. 1,519,448; Dec. 16.
Delivery mechanism, Extension. M. J. Bailey. 1,519,817; Dec. 16.
Denture, Partial. S. E. Noyes. 1,519,605; Dec. 16.
Diphlegmator. D. C. Brandon. 1,519,719; Dec. 16.
Dewatering tool. C. A. Langstaff. 1,519,585; Dec. 16.
Dice thrower. C. L. Johnson. 1,519,405; Dec. 16.
Dispatch systems, Carrier-diverting device for carrier. A. Koenig. 1,519,993; Dec. 16.
Dispensing apparatus, Weight-controlled. N. C. Johnson. 1,519,685; Dec. 16.
Display box. G. H. Grey. 1,519,539; Dec. 16.
Display box, Two-part collapsible. R. F. Thorndike. 1,519,565; Dec. 16.
Display device. A. Dietsche, jr. 1,519,193; Dec. 16.
Display device. C. F. Kay. 1,519,207; Dec. 16.
Display stand. W. E. Kehoe. Des. 66,234; Dec. 16.
Distributing loose material, System and apparatus for. J. W. Callahan. 1,519,953; Dec. 16.
Distributing mechanism. A. B. Hazard. 1,519,613; Dec. 16.

Divanette. R. Coopersmith. 1,519,667; Dec. 16.
 Diving armor, Hand member for. F. Gall. 1,519,301; Dec. 16.
 Doorcheck. B. Weber. 1,519,521; Dec. 16.
 Doorcheck, Double-acting. H. C. Kreipke. 1,519,584; Dec. 16.
 Door control. H. G. Almsworth. 1,519,749; Dec. 16.
 Door-control mechanism. J. A. Brubaker. 1,519,355; Dec. 16.
 Door, Grain. W. H. Hardiman. 1,519,962; Dec. 16.
 Door, Grain. W. T. Tyler. 1,519,226; Dec. 16.
 Drafting implement. H. R. Ward. 1,519,644; Dec. 16.
 Drapery-supporting ring. F. J. Beck. 1,519,106; Dec. 16.
 Drawbridge. T. E. Brown. 1,519,180; Dec. 16.
 Drawing press. J. J. Rigby. 1,519,552; Dec. 16.
 Drawings, Laying out. M. Hovhannessian. 1,519,965; Dec. 16.
 Draw works, Three-speed rotary. E. W. Goesser and W. D. Davidson. 1,519,538; Dec. 16.
 Dredge bucket, Placer. W. Ferris and M. F. Keese. 1,519,777; Dec. 16.
 Drill: See—
 Breast drill.
 Drills, Air-feed lock for rock. F. M. Slater. 1,519,171; Dec. 16.
 Drills, Supporting means for rock. C. Mott. 1,519,981; Dec. 16.
 Drilling device. G. W. Schrock. 1,519,512; Dec. 16.
 Drilling machine, Radial. H. L. Blood. 1,519,351; Dec. 16.
 Drilling machines, Work-positioning device for. J. W. Brown, Jr. 1,519,952; Dec. 16.
 Drink mixer and similar device. E. J. Pilkington and F. A. Olmsted. 1,519,798; Dec. 16.
 Driving mechanism, Variable-speed. H. H. Hummel. 1,519,309; Dec. 16.
 Driving seat, Adjustable. H. R. De Venu. 1,519,824; Dec. 16.
 Drying a substance carried in a liquid, Method and apparatus for. R. Sucharipa. 1,519,561; Dec. 16.
 Dunnage strip. J. W. Roaz. J. M. Brown, and P. J. Hawkins. 1,519,901; Dec. 16.
 Dyeing, scouring, or otherwise treating yarn and other fibers in the bank or skein, Apparatus for. H. M. Dudley. 1,519,769-70; Dec. 16.
 Educational device. W. Walker. 1,519,426; Dec. 16.
 Egg candler. C. L. Armistead and S. F. Bates. 1,519,896; Dec. 16.
 Electric circuits. E. O. Scriven. 1,519,635; Dec. 16.
 Electric circuits, Connecting device for. S. M. Exler. 1,519,195; Dec. 16.
 Electric machines, Arc barrier for dynamo. E. B. Shand. 1,519,270; Dec. 16.
 Electric motor. H. C. Ford. 1,519,675; Dec. 16.
 Electric motor. G. J. Selss. 1,519,222; Dec. 16.
 Electric switch. A. H. Nero. 1,519,924; Dec. 16.
 Electric switch, Combination. E. M. Gross and F. E. Mayes. 1,519,303; Dec. 16.
 Electric switch, Multiple-contact. R. A. Flints. 1,519,535; Dec. 16.
 Electric wall bracket. F. S. Crowell. Des. 66,225; Dec. 16.
 Electrical connecting fixture. E. G. Appleton. 1,519,651; Dec. 16.
 Electrical contact socket member. A. Harth. 1,519,972; Dec. 16.
 Electrically-heated unit for heating liquids. B. W. Macy. 1,519,863; Dec. 16.
 Electroplating. A. Wolf. 1,519,572; Dec. 16.
 Embroidery machines, Stocking holder for. A. Hager and P. Schleg. 1,519,833; Dec. 16.
 Embryotome. H. E. Kingman and J. Farquharson. 1,519,497; Dec. 16.
 Engine: See—
 Internal-combustion engine, Steam engine.
 Locomotive engine, Turbine engine.
 Locomotive starting engine.
 Engines, Attachment for internal combustion. J. H. Connolly. 1,519,956; Dec. 16.
 Engines, Boiler for steam. C. E. Bishop. 1,519,435; Dec. 16.
 Engines, Carburetor for internal combustion. C. M. Dyer. 1,519,773; Dec. 16.
 Engines, Fuel economizer for internal combustion. O. W. Broberg. 1,519,393; Dec. 16.
 Engines, Fuel for internal combustion. J. F. P. de la Ribalsiere. 1,519,905; Dec. 16.
 Engines, Fuel system for internal combustion. G. J. Burns. 1,519,483; Dec. 16.
 Envelope. H. Trenchard, Jr. 1,519,567; Dec. 16.
 Envelopes, Machine for making. A. Cheetham. 1,519,439; Dec. 16.
 Escutcheon plate, Adjustable. L. W. Gates. 1,519,678; Dec. 16.
 Excavating device. E. J. Armstrong. 1,519,101; Dec. 16.
 Extensometer. E. C. Zimmerman and I. Williams. 1,519,602; Dec. 16.
 Fan, Centrifugal. C. J. Fechtelmer. 1,519,245; Dec. 16.
 Fan, Flywheel. J. G. Campbell. 1,519,903; Dec. 16.
 Fastener. F. S. Carr. 1,519,528-9; Dec. 16.
 Fastener. L. L. Lockwood. 1,519,854; Dec. 16.
 Fastening device. C. R. Nalle. 1,519,502; Dec. 16.
 Faucet. J. A. Costello. 1,519,604; Dec. 16.

Faucet. J. A. Costello. 1,519,608; Dec. 16.
 Feeder, Automatic. J. A. Nolan. 1,519,925; Dec. 16.
 Fender: See—
 Vehicle fender.
 Fender brace and bumper, Combination. R. L. Bunting. 1,519,356; Dec. 16.
 Fertilizer distributor. D. R. Day. 1,519,960; Dec. 16.
 File, Bill. W. L. Walker. 1,519,891; Dec. 16.
 Film cartridge, Roll. E. G. Furry. 1,519,530; Dec. 16.
 Film strips, Cleaning device for. H. Lichte. 1,519,460; Dec. 16.
 Filter. Air. F. aus der Mark. 1,519,739; Dec. 16.
 Fire-arch structure. C. L. Davidson. 1,519,364; Dec. 16.
 Firearm guard. D. Tufts. 1,519,886; Dec. 16.
 Fireplace, Open. G. A. Richey. 1,519,218; Dec. 16.
 Fish scaler. F. P. Maxson. 1,519,689; Dec. 16.
 Flatirons and other heaters, Supporting base for heating units of. W. J. Turonne. 1,519,278; Dec. 16.
 Floor sleepers, Device for leveling wooden. J. A. Whitaker. 1,519,179; Dec. 16.
 Flow meter. W. J. A. London. 1,519,855; Dec. 16.
 Flow meter and speedometer. Combined. R. W. Schroeder. 1,519,269; Dec. 16.
 Fluid brake, Compressed-gaseous. A. Moore. 1,519,213; Dec. 16.
 Fluid dispensing apparatus. J. J. Catron. 1,519,484; Dec. 16.
 Flush receptacle, Electrical. A. H. Nero. 1,519,923; Dec. 16.
 Flush-tank fitting. A. N. Pasman. 1,519,796; Dec. 16.
 Flying apparatus sustained by propellers, Stabilizer for. A. Marchetti. 1,519,866; Dec. 16.
 Flying machine. O. E. Johnson. 1,519,686; Dec. 16.
 Fog signal, Self-winding. M. F. Willoughby. 1,519,342; Dec. 16.
 Foldable box. W. E. Scott. 1,519,813; Dec. 16.
 Folding box. F. C. Kennett. 1,519,406; Dec. 16.
 Folding machine. L. M. Kohn. 1,519,733; Dec. 16.
 Folding table. J. Kubloyl. 1,519,513; Dec. 16.
 Food product, Producing a. E. J. Mooklar. 1,519,789; Dec. 16.
 Footplate light. K. Komacki. 1,519,734; Dec. 16.
 Frame: See—
 Bag frame. Spinning frame.
 Plate-glass turnover frame.
 Frames, Drive for roving. L. S. Crenshaw. 1,519,958; Dec. 16.
 Friction elements, Making. I. J. Novak. 1,519,322; Dec. 16.
 Fuel from bituminous coal and lignite, Producing a solid smokeless. C. S. Lomax and W. M. Grant. 1,519,784; Dec. 16.
 Fuelizer. J. G. Lanning. 1,519,144; Dec. 16.
 Furnace. F. B. Bell. 1,519,670; Dec. 16.
 Fuse. A. Griev. 1,519,912; Dec. 16.
 Game. W. H. Lautzenheiser. 1,519,850; Dec. 16.
 Game. J. J. Sindler. 1,519,339; Dec. 16.
 Game. L. Taylor. 1,519,422; Dec. 16.
 Game apparatus. W. E. Cooney. 1,519,666; Dec. 16.
 Game appliance. S. Kerner. 1,519,379; Dec. 16.
 Game board. R. A. Wilbey. 1,519,711; Dec. 16.
 Game, Educational. R. G. Hall. 1,519,133; Dec. 16.
 Garment attachment. M. Pugatsky and B. H. Goldstein. 1,519,878; Dec. 16.
 Garment fastener. J. Kochanski. 1,519,380; Dec. 16.
 Garment length gauge. M. Jacobs. 1,519,914; Dec. 16.
 Garment pocket. D. Traxler. 1,519,385; Dec. 16.
 Gas, Apparatus for making illuminating. D. J. Young. 1,519,625; Dec. 16.
 Gas determinations, Method and apparatus for. S. Ruben. 1,519,535; Dec. 16.
 Gas-indicating device. W. Nollman. 1,519,549; Dec. 16.
 Gas, Generating hydrocyanic acid. C. S. Banks. 1,519,434; Dec. 16.
 Gases, Purifying fermentation. G. T. Reich. 1,519,932; Dec. 16.
 Gasket. W. S. Sellars and B. S. Clark. 1,519,803; Dec. 16.
 Gasket cutter. C. E. Vance. 1,519,815; Dec. 16.
 Gasoline filter. F. A. Rennefeld. 1,519,479; Dec. 16.
 Gasoline gauge. J. E. Dorman. 1,519,366; Dec. 16.
 Gauge: See—
 Garment length gauge. Gasoline gauge.
 Gear, Draft. E. G. Goodwin. 1,519,831; Dec. 16.
 Gear set, Transmission. H. B. Ross. 1,519,420; Dec. 16.
 Generator: See—
 Hydrogen-gas generator. Steam generator.
 Oil-gas generator.
 Girder support. R. G. Manning. 1,519,319; Dec. 16.
 Glass, Apparatus for making sheet. W. G. Koupal. 1,519,374; Dec. 16.
 Glass, Dampening flow of molten. A. Samuelson. 1,519,802; Dec. 16.
 Glass, Edge-holding device for sheet. J. H. Fox and J. H. Redshaw. 1,519,247; Dec. 16.
 Glass illuminating bowl. E. A. Gillinder. Des. 66,229; Dec. 16.
 Glass machines, Roller table for. A. E. Evans. 1,519,244; Dec. 16.
 Glass plates, Process and apparatus for handling. J. H. Fox. 1,519,248; Dec. 16.
 Glass, Process and apparatus for making sheet. H. K. Hitchcock. 1,519,259; Dec. 16.

Glass sheets, Process and apparatus for handling. G. E. Ericsson. 1,519,243; Dec. 16.
 Glass-transfer apparatus, Plate. H. S. Helchert. 1,519,256; Dec. 16.
 Glass turnover frame, Plate. W. Owen. 1,519,325; Dec. 16.
 Golf-ball tee. J. B. De Mun. 1,519,298; Dec. 16.
 Governor. O. G. Lissen. 1,519,853; Dec. 16.
 Grab plate, Compensating. C. W. Lewis. 1,519,736; Dec. 16.
 Grain container and door, Combination. G. S. Soback, Jr. 1,519,941; Dec. 16.
 Grate. F. C. Cronin and J. A. Hoffman. 1,519,240; Dec. 16.
 Grater, Cheese. P. and F. De Eulla. 1,519,532; Dec. 16.
 Grease cup, Compression. N. E. Guthrie. 1,519,730; Dec. 16.
 Grinders, Spindle for. J. P. Lange. 1,519,921; Dec. 16.
 Grinding apparatus. F. M. Furber. 1,519,124; Dec. 16.
 Grinding machine. F. E. Gardner. 1,519,611; Dec. 16.
 Grinding machine. J. N. Heald, A. M. Drake, and W. J. Guild. 1,519,374; Dec. 16.
 Grinding machine, Cylinder. O. L. Bean and J. W. Rasmussen. 1,519,526; Dec. 16.
 Grinding or shaping ignition points, Tool for use in. C. L. Pusny. 1,519,828; Dec. 16.
 Guard. W. Del Greco. 1,519,297; Dec. 16.
 Gun reel feed unit. H. B. Ingalls. 1,519,454; Dec. 16.
 Guns, Fluid recoil brake for. E. C. Moriarty. 1,519,215; Dec. 16.
 Guns, Single-trigger fire mechanism for double-barrel. E. E. Miller. 1,519,549; Dec. 16.
 Hair clipper, Power. E. V. N. Tomasulo. 1,519,601; Dec. 16.
 Hair clipper, Power-operated. P. Serene. 1,519,636; Dec. 16.
 Handle assembly. E. E. Helntz. 1,519,375; Dec. 16.
 Handle construction. J. J. Miller. 1,519,500; Dec. 16.
 Handle construction. H. E. Norwood and P. J. Kuschel. 1,519,503; Dec. 16.
 Hanger: See—
 Vehicle spring hanger.
 Harmonic generator system. J. W. Horton. 1,519,619; Dec. 16.
 Hat pad. S. Kanner and S. Jaffe. 1,519,842; Dec. 16.
 Hay distributor. J. W. Callahan. 1,519,954; Dec. 16.
 Hayrack. F. E. Lindsley. 1,519,852; Dec. 16.
 Headlight. C. H. Allen. 1,519,345; Dec. 16.
 Headlight, Dirigible. W. S. McCanmon. 1,519,859; Dec. 16.
 Headlight, Dirigible. G. Prinke. 1,519,703; Dec. 16.
 Headlight for motor vehicles. O. C. Malcolm and B. Jasanski. 1,519,318; Dec. 16.
 Headlight for motor vehicles, Dirigible. J. P. Hollahan, Jr. and J. F. Kennedy. 1,519,682; Dec. 16.
 Headlight for vehicles, Dirigible. J. M. Calkins. 1,519,437; Dec. 16.
 Heater: See—
 Water heater.
 Heater. W. Doble. 1,519,673; Dec. 16.
 Heater. E. C. Molloy. 1,519,501; Dec. 16.
 Heater control. R. A. Bolze and E. W. Denman. 1,519,234; Dec. 16.
 Hedge cutter. C. N. Brett. 1,519,291; Dec. 16.
 Heel, Rubber. L. Kaplan. 1,519,843; Dec. 16.
 Hemp-stripping machine. P. H. Frank and W. H. Gohn. 1,519,579; Dec. 16.
 High frequency signaling, Two-way. H. W. Nichols. 1,519,626; Dec. 16.
 High-tension operating switch. M. E. Graves and C. C. Severin. 1,519,402-3; Dec. 16.
 Hog-lubricating apparatus. A. D. Fey and C. S. and N. J. Nicholson. 1,519,608; Dec. 16.
 Hog-ring holder. W. L. McGowan. 1,519,738; Dec. 16.
 Holder, Bag. J. L. Brown. 1,519,662; Dec. 16.
 Hood lock. J. S. Booth. 1,519,352; Dec. 16.
 Hook: See—
 Well-casing hook.
 Hose clamp. A. F. Gillet. 1,519,130; Dec. 16.
 House number, Illuminated. C. J. Manville. 1,519,791; Dec. 16.
 Humidifier. J. S. Knece. 1,519,847; Dec. 16.
 Hydraulic installation. J. G. Weir. 1,519,570; Dec. 16.
 Hydrogen-gas generator. A. G. Fauzon. 1,519,607; Dec. 16.
 Ice-cream freezer and changing the temperature of fluids. T. L. Valerius. 1,519,746; Dec. 16.
 Ignition timer. A. W. Tiefenthaler. 1,519,566; Dec. 16.
 Impulse coupling. R. M. Critchfield. 1,519,959; Dec. 16.
 Incandescent filaments, Suspension of. S. R. Mullan. 1,519,412; Dec. 16.
 Indicating device. J. B. Moore. 1,519,214; Dec. 16.
 Indicator: See—
 Liquid-level indicator. Temperature indicator.
 Street or station indicator.
 Inkwell. P. M. Rice. Des. 66,246; Dec. 16.
 Insect destroyer. C. E. Jones. 1,519,456; Dec. 16.
 Insulation, Machine for wrapping. J. J. Keyes. 1,519,313; Dec. 16.
 Interest, Apparatus for computing. T. B. Harper. 1,519,253; Dec. 16.
 Interlocking apparatus. C. A. Johnson and E. K. Read. 1,519,310; Dec. 16.
 Intermittently-operated apparatus. E. S. Rinaldy. 1,519,168; Dec. 16.

Internal-combustion engine. A. Moorhouse. 1,519,155; Dec. 16.
 Internal-combustion engine. A. P. Trask. 1,519,814; Dec. 16.
 Interrupter circuits. O. F. Cassaday. 1,519,603; Dec. 16.
 Iron: See—
 Soldering iron.
 Jack: See—
 Combination jack. Pump jack.
 Jack. C. A. Abbott. 1,519,893; Dec. 16.
 Jacket, Shooting. A. M. Edwards. 1,519,123; Dec. 16.
 Jar. G. B. Primmer. 1,519,551; Dec. 16.
 Jars, Vacuum-sealing cap for fruit. W. J. Peelle. 1,519,628; Dec. 16.
 Joint: See—
 Pipe joint. Universal joint.
 Rail joint.
 Joints, Machine for making wedge tenon dovetail. H. W. Bertram. 1,519,753; Dec. 16.
 Key-locking device. G. O. Hale. 1,519,681; Dec. 16.
 Knitting machines, Pattern mechanism for. M. C. Miller. 1,519,384; Dec. 16.
 Ladder support. G. D. Wernli and W. M. Webster. 1,519,283; Dec. 16.
 Lamp. F. C. McElroy. 1,519,209; Dec. 16.
 Lamp adjuster. J. A. Kimball. 1,519,917; Dec. 16.
 Lamp and fuse holder, Gripping. R. Eberhardt. 1,519,774; Dec. 16.
 Lamp and like stands, Bracket for. L. H. Burlin. Des. 66,222; Dec. 16.
 Lamp faceplate, Signal. L. R. Parr. Des. 66,245; Dec. 16.
 Lamp, Oil. J. Ayton-Blake. 1,519,235; Dec. 16.
 Lamp, Portable. H. M. and W. C. Greist and W. F. Lent. 1,519,131; Dec. 16.
 Lamp, Signal. M. F. Roehling. 1,519,266; Dec. 16.
 Lamp-socket standard. A. R. Krause. Des. 66,235; Dec. 16.
 Lamp wall bracket. A. R. Krause. Des. 66,236; Dec. 16.
 Last, Wooden. S. T. Hennessy. 1,519,201; Dec. 16.
 Lasts for shoes, Mechanism for forming hinges of. G. Clausen. 1,519,360; Dec. 16.
 Latch, Door. N. B. Hurd. 1,519,841; Dec. 16.
 Latch, Gate. P. J. Etue. 1,519,908; Dec. 16.
 Leaf-spring lubricator. J. P. Cosgrove. 1,519,758; Dec. 16.
 Ledger binder, Postless. C. B. Harrison. 1,519,452; Dec. 16.
 Letter opener. L. S. Ward. 1,519,816; Dec. 16.
 Light: See—
 Footplate light.
 Light projector. E. Lyndon. 1,519,737; Dec. 16.
 Lighting-fixture. M. Schlepp. Des. 66,248; Dec. 16.
 Lighting-fixture canopy. H. H. Wolter. Des. 66,252; Dec. 16.
 Lighting-fixture cover. E. S. Lewis. Des. 66,239; Dec. 16.
 Lighting-fixture urn. H. C. Adams. Des. 66,220; Dec. 16.
 Lighting globe. C. A. Campbell. Des. 66,223; Dec. 16.
 Link, Hook. H. Rebbeln. 1,519,931; Dec. 16.
 Linoleum-die mechanism, Lubricating. J. Tamberlin. 1,519,743; Dec. 16.
 Linoleum machine, Inlaid. J. Tamberlin. 1,519,742; Dec. 16.
 Liquid-fuel burner. G. H. Messer. 1,519,152; Dec. 16.
 Liquid-level indicator. L. A. Mapel. 1,519,792; Dec. 16.
 Liquid portions of desired densities, Device for drawing off. W. B. Livingston. 1,519,461; Dec. 16.
 Liquid receptacles, Controlling device for. L. E. Anderson. 1,519,347; Dec. 16.
 Loading system. R. V. L. Hartley. 1,519,612; Dec. 16.
 Lock: See—
 Car-door lock. Night lock.
 Coin-controlled lock. Nut lock.
 Coop lock. Refrigerator lock.
 Hood lock. Vehicle lock.
 Lock. D. W. Hohrer. 1,519,933; Dec. 16.
 Lock. E. R. Weber. 1,519,282; Dec. 16.
 Lock nuts, Making. J. G. Furlan. 1,519,125; Dec. 16.
 Locomotive driven by internal-combustion engine. H. Schnelder. 1,519,812; Dec. 16.
 Locomotive engine, Auxiliary starting. C. F. Street. 1,519,600; Dec. 16.
 Locomotive front end. S. F. Klohs. 1,519,780; Dec. 16.
 Locomotive starting engine. C. F. Street. 1,519,599; Dec. 16.
 Locomotives, Radial driving wheel for. J. L. Vauclain and J. A. Pfeiffer. 1,519,943; Dec. 16.
 Logging apparatus. J. H. Dickinson and E. D. Swan. 1,519,488; Dec. 16.
 Loom shuttles, Tension device for. W. R. Thigpen. 1,519,942; Dec. 16.
 Looms, Thread-conducting device for gripper. G. Sieber. 1,519,804; Dec. 16.
 Looms, Warp-cutting device for use in pile-fabric. J. and G. Ashmore. 1,519,750; Dec. 16.
 Looms, Whip roll for. A. E. Thomas. 1,519,424; Dec. 16.
 Loud-speaker circuit. W. H. Martin. 1,519,211; Dec. 16.
 Lubricating device. A. L. Robb. 1,519,706; Dec. 16.
 Lubricator: See—
 Leaf-spring lubricator.

Lumber-cut off-machine. C. and A. B. Johnson. 1,519,378; Dec. 16.
Machine-tool-frame structure. R. H. Bausch and N. Marcalus. 1,519,332; Dec. 16.
Magnesium and alloys thereof. Flux for. J. A. Gann. 1,519,128; Dec. 16.
Manure-spreader bottom. Convertible. E. C. Smith. 1,519,540; Dec. 16.
Map exhibitor. Road. W. R. Tavernetti. 1,519,276; Dec. 16.
Massage device. H. F. Sawtelle. 1,519,631; Dec. 16.
Mattress-roll forming machines. Stitching mechanism for. J. W. Droll. 1,519,299; Dec. 16.
Medicine applicator. Rotary. F. R. Moore. 1,519,693; Dec. 16.
Memorandum and reminder pad. H. Van Arsdale. 1,519,643; Dec. 16.
Menu-card holder. N. M. Stone. 1,519,805; Dec. 16.
Merchandise case and distributor. H. S. Douglass. 1,519,825; Dec. 16.
Metal-expanding machine. L. E. Curtis. 1,519,669; Dec. 16.
Metal from earth. Process of and mechanism for separating. T. R. McNeerney. 1,519,464; Dec. 16.
Metal from metallic chippings. Regaining of. K. Hoss. 1,519,204; Dec. 16.
Metal wheel. A. M. Lofland. 1,519,496; Dec. 16.
Metal-working machine. F. Greiner. 1,519,680; Dec. 16.
Metallic structure. Fabricated. A. A. Berndt. 1,519,656; Dec. 16.
Meter: See—
Current meter. Specific-gravity meter.
Flow meter.
Micrometer or tension wrench. G. Ridland. 1,519,500; Dec. 16.
Milk separator. Centrifugal. H. Rühl. 1,519,629; Dec. 16.
Milking-machine installation for measuring each cow's milk. Appliance for use with. J. W. Fuge. 1,519,826; Dec. 16.
Milking machine installations. Measuring means for use in. J. W. Fuge. 1,519,827; Dec. 16.
Mill: See—
Attrition mill. Pulverizing mill.
Mill. F. C. Bizzert, jr. 1,519,657; Dec. 16.
Mining and loading machine. N. D. Levin. 1,519,147; Dec. 16.
Mining apparatus. M. P. Holmes. 1,519,731; Dec. 16.
Mitten. J. J. Hynes. 1,519,913; Dec. 16.
Mold: See—
Brick mold. Venting mold.
Mold. M. S. Clawson. 1,519,116; Dec. 16.
Mold conveyor. A. N. Kelley. 1,519,844; Dec. 16.
Mop, brush, and the like handle. W. H. Rudolph and W. S. Hart. 1,519,335; Dec. 16.
Mortar, cement, concrete, and the like. Treating. K. Winkler. 1,519,285-6; Dec. 16.
Motion. Device for imparting rotary. J. E. Larsh. 1,519,316; Dec. 16.
Motor: See—
Electric motor.
Motor-control system. J. A. Clarke, jr. 1,519,238; Dec. 16.
Motor-control system. A. L. Harvey and D. H. Hunter. 1,519,255; Dec. 16.
Motor-control system. R. E. Hellmund. 1,519,257; Dec. 16.
Motor-control syst. m. J. R. Wilson. 1,519,284; Dec. 16.
Motor-winding means. Control for spring. W. Kramer and W. R. Baake. 1,519,920; Dec. 16.
Mouth breather. Corrective. W. G. Johnson. 1,519,915; Dec. 16.
Mower attachment. Lawn. W. W. Allen. 1,519,714; Dec. 16.
Muller. R. R. Bumbach and C. W. Stone. 1,519,527; Dec. 16.
Music-leaf turner. C. Jenner. 1,519,138; Dec. 16.
Neckband. J. M. van Heusen. 1,519,279; Dec. 16.
Needle for handling hay or the like. G. B. Dunsinberre and J. W. Callahan. 1,519,976; Dec. 16.
Nest. Hen's. W. A. Thorpe and O. N. Olson. 1,519,519; Dec. 16.
Newspaper-assembling method and mechanism. L. Teal. 1,519,362; Dec. 16.
Night lock. A. C. Andersen. 1,519,346; Dec. 16.
Novelty container. J. Nutter. 1,519,795; Dec. 16.
Nut lock. R. I. Clapp. 1,519,361; Dec. 16.
Nut lock. A. D. Gerschler. 1,519,894; Dec. 16.
Oil and fuel substances. Apparatus for reclaiming used lubricating. C. P. Griffith. 1,519,200; Dec. 16.
Oil burner. C. F. Loker. 1,519,462; Dec. 16.
Oil burner. J. J. Smith. 1,519,940; Dec. 16.
Oil-burning apparatus. Automatic regulator for fuel. J. T. McTarnahan. 1,519,787; Dec. 16.
Oil-burning apparatus. Fuel. J. T. McTarnahan. 1,519,788; Dec. 16.
Oil gas generator. G. E. Custer. 1,519,295; Dec. 16.
Oil. Producing cod-liver. E. M. Johnson, jr. 1,519,779; Dec. 16.
Oils. Atomizing fuel. O. C. Goeriz. 1,519,830; Dec. 16.
Opener. P. Light. 1,519,495; Dec. 16.
Ore-treating process. F. M. Darrow. 1,519,396; Dec. 16.
Outlet-box construction. A. Polhemus. 1,519,927; Dec. 16.

Oven. J. C. Woodson. 1,519,288; Dec. 16.
Ovens. Combined burner and damper control for toaster or broiler. H. L. Page. 1,519,326; Dec. 16.
Ovens. Electric heating system for conveyor. J. C. Woodson. 1,519,287; Dec. 16.
Ozonizer. Commercial. J. D. Hart. 1,519,373; Dec. 16.
Package fastener. S. A. Eddins. 1,519,368; Dec. 16.
Packages. Machine for forming and wrapping. E. F. Volkmer. 1,519,177; Dec. 16.
Packing. Drill rod. C. C. Hansen. 1,519,136; Dec. 16.
Packing. Metallic. J. R. Keogh. 1,519,845; Dec. 16.
Packing. Valve stem. T. Wilson. 1,519,571; Dec. 16.
Pad: See—
Hat pad.
Paintbrush. F. H. Rascher, jr. 1,519,929; Dec. 16.
Paper file. G. M. Van Dyke. 1,519,889; Dec. 16.
Paper machine. E. Nishina. 1,519,696; Dec. 16.
Paper-making machines. Self-clearing silencer for. W. E. Stewart. 1,519,559; Dec. 16.
Paper-making machines. Transfer roll in. F. D. Simmons. 1,519,985; Dec. 16.
Paper tape magazine holder. R. H. Biggs. 1,519,480; Dec. 16.
Parachute. O. D. Lucas. 1,519,857; Dec. 16.
Parking light. H. G. Beyer. Des. 66,221; Dec. 16.
Pastry container. J. B. Page. 1,519,874; Dec. 16.
Paving composition. C. Swan. 1,519,560; Dec. 16.
Pedal. H. W. Peace. 1,519,327; Dec. 16.
Pedal holder. E. A. Menard and L. Reed. 1,519,793; Dec. 16.
Pen and pencil holder. S. I. Phillips. 1,519,700; Dec. 16.
Pencil. J. H. Waring. Re15,968; Dec. 16.
Phonograph. L. de Florez. 1,519,365; Dec. 16.
Phonograph-cabinet grille. T. A. Edlson. Des. 66,227-8; Dec. 16.
Photographic and other films. Producing. C. E. Bradley and J. McGavack. 1,519,659; Dec. 16.
Phonographs. Repeating mechanism for. H. Nelson. 1,519,695; Dec. 16.
Piano-key sanding and polishing machine. T. R. Walker and H. B. Manly. 1,519,423; Dec. 16.
Picture apparatus. Film meter for motion. J. E. Davis. 1,519,605; Dec. 16.
Pies. Marking device for. E. J. Bannister. 1,519,752; Dec. 16.
Pin: See—
Bowling pin.
Pipe and nut wrench. W. A. Day. 1,519,242; Dec. 16.
Pipe coupling. B. M. Brownell. 1,519,111; Dec. 16.
Pipe covering. V. C. Muessner. 1,519,694; Dec. 16.
Pipe joint. E. Henderson. 1,519,404; Dec. 16.
Pipe joint. Flexible. B. M. Brownell. 1,519,110; Dec. 16.
Pipe tamper. M. Cilla and D. P. Fontana. 1,519,935; Dec. 16.
Pipe wrench. J. Runberg. 1,519,169; Dec. 16.
Pipes. Apparatus for making lead. F. B. Ewell. 1,519,724; Dec. 16.
Pistol. Magazine. J. H. Wesson. 1,519,806; Dec. 16.
Piston. E. E. King and H. A. Worrell. 1,519,918; Dec. 16.
Piston for sand rammers. Hollow butt-welded. W. F. Zimmermann. 1,519,182; Dec. 16.
Piston ring. S. N. North. 1,519,697; Dec. 16.
Planter. Potato. J. P. Davenport. 1,519,397; Dec. 16.
Plaster board. C. E. Williams. 1,519,180; Dec. 16.
Plastic substances. Machine for molding. T. Vicens. 1,519,569; Dec. 16.
Plate or similar article. J. E. Goodwin. Des. 66,230; Dec. 16.
Plate or similar article. T. W. Obert. Des. 66,244; Dec. 16.
Plate or similar article. E. J. Ridgway. Des. Re15,970; Dec. 16.
Plate shears. L. R. Robbins. 1,519,983; Dec. 16.
Pliers. Flexible. D. V. Smith. 1,519,938; Dec. 16.
Plow attachment. O. N. Nelson and W. E. Strandquist. 1,519,161; Dec. 16.
Plow-contact-spring-securing means. W. B. Uffert. 1,519,888; Dec. 16.
Plow and plow. W. B. Uffert. 1,519,887; Dec. 16.
Plug for electric connections. Expansion. L. McCracken. 1,519,588; Dec. 16.
Pneumatically-fed tool. G. H. Gilman. 1,519,829; Dec. 16.
Pocket-case-securing means. H. W. Lakin. 1,519,142; Dec. 16.
Pocket cases. Securing means for. H. W. Lakin. 1,519,142; Dec. 16.
Positioning mechanism. H. A. Linderman. 1,519,783; Dec. 16.
Poster. C. T. Ross. 1,519,934; Dec. 16.
Potato-bug destroyer. C. A. Moran. 1,519,922; Dec. 16.
Pottery manufacture. Drying rack for. C. L. Sebring. Re15,967; Dec. 16.
Poultries. Powdered preparation for. F. F. B. Chapman. 1,519,755; Dec. 16.
Poultry behander. F. and L. Davis. 1,519,296; Dec. 16.
Power transmission. Keying device for. A. A. Alexander. 1,519,474; Dec. 16.
Press: See—
Balling press. Printing press.
Drawing press.

Pressure regulator. G. S. Melcher. Re15,966; Dec. 16.
Printing. G. L. Schuessler. 1,519,634; Dec. 16.
Printing plates. Correcting. E. E. Erickson. 1,519,775; Dec. 16.
Printing press. Multicolor. G. F. McIndoe. 1,519,544; Dec. 16.
Printing-press-operating mechanism. E. F. Dudley. 1,519,367; Dec. 16.
Printing presses and paper-using machines. Gripper for. A. W. Warsen. 1,519,944; Dec. 16.
Produce carrier. L. A. Anderson. 1,519,433; Dec. 16.
Projectile. N. Greenwell. 1,519,302; Dec. 16.
Propeller. A. Assala. 1,519,102; Dec. 16.
Pulley-fastening device. D. E. Bernier. 1,519,286; Dec. 16.
Pulley thimble. S. R. Warren. 1,519,520; Dec. 16.
Pulverizing mill. C. H. Brerwood. 1,519,990-2; Dec. 16.
Pulverizing mill. H. R. Collins. 1,519,989; Dec. 16.
Pump. E. L. Campbell. 1,519,664; Dec. 16.
Pump. Deep-well double-acting plunger. J. G. Dorward. 1,519,768; Dec. 16.
Pump jack. F. R. Owens. 1,519,926; Dec. 16.
Pumps. Signal for measuring. B. F. Geyer. 1,519,372; Dec. 16.
Pumps. Varying the delivery of. R. K. Benton. 1,519,478; Dec. 16.
Punch-press safety appliance. O. A. Elmer. 1,519,369; Dec. 16.
Puzzle. O. R. Preuss. 1,519,702; Dec. 16.
Rack: See—
Card rack. Tire rack.
Rack. J. D. Eaton. 1,519,122; Dec. 16.
Racks. Shelf for box and can. E. Allen. 1,519,289; Dec. 16.
Radiator. C. H. Shapiro. 1,519,879; Dec. 16.
Radiator attachment. J. J. Desjardins. 1,519,906; Dec. 16.
Radiocabinet. D. De Mare. Des. 66,240; Dec. 16.
Radiocabinet. E. J. Quinby. 1,519,260; Dec. 16.
Radiocabinet or similar article. Grille for. R. C. Edwards. Des. 66,231; Dec. 16.
Radiocommunication. Apparatus for. R. C. Benner. 1,519,599; Dec. 16.
Rail joint. J. S. Bean. 1,519,716; Dec. 16.
Rail joint. F. N. Durán. 1,519,771; Dec. 16.
Railway brake beam. S. A. Crone. 1,519,759-64; Dec. 16.
Railway-brake-beam levers and connections. Pin or bolt retainer for. S. A. Crone. 1,519,765; Dec. 16.
Railway crossing. G. W. Smith. 1,519,939; Dec. 16.
Railway-crossing signal. O. Moiskness. 1,519,872; Dec. 16.
Railway signal apparatus. Crank base for. F. Rapp. 1,519,262; Dec. 16.
Railway spike. O. B. Powell. 1,519,329; Dec. 16.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,519,387; Dec. 16.
Ratchet. F. H. Sovereign. 1,519,595; Dec. 16.
Razor. H. E. Clarke. 1,519,485; Dec. 16.
Razor honing and stropping device. W. E. Shryver. 1,519,170; Dec. 16.
Razor. Safety. A. Bertry. 1,519,185; Dec. 16.
Reclaiming. Fastenings. Machine for. R. H. Lawson. 1,519,145; Dec. 16.
Reflectors. Making glass blanks for parabolic. W. H. Taylor. 1,519,277; Dec. 16.
Refrigeration and power system. W. S. Bowen and H. Dunams. 1,519,353; Dec. 16.
Refrigerator. P. M. Davis. 1,519,441; Dec. 16.
Refrigerator lock. A. Rubin. 1,519,267; Dec. 16.
Refrigerator systems. Water control for. L. G. Copeman. 1,519,757; Dec. 16.
Regulator: See—
Pressure regulator. Valve regulator.
Relay. S. D. Sprong. 1,519,273; Dec. 16.
Relay. Slow-acting. T. van Amstel. 1,519,568; Dec. 16.
Resilient wheel. J. E. Hale. 1,519,971; Dec. 16.
Rheostat. A. A. Kent. 1,519,621; Dec. 16.
Rheostat. H. D. Perry. 1,519,591; Dec. 16.
Rifle sight. J. R. Mahlich. 1,519,865; Dec. 16.
Rim and spoke connection. T. C. Whitehead. 1,519,807; Dec. 16.
Rim. Demountable. R. Jardine. 1,519,683; Dec. 16.
Rim retainer. Demountable. P. T. Illig. 1,519,453; Dec. 16.
Ring: See—
Drum-supporting ring.
Ring or similar article. L. L. Jaffe. Des. 66,232; Dec. 16.
Ripping tool. R. Stewart and T. W. Walker. 1,519,882; Dec. 16.
Robe. Lap. A. Schicklerling. 1,519,741; Dec. 16.
Rod: See—
Shade-bracket rod.
Rod carrier. C. Baker. 1,519,104; Dec. 16.
Roost. Chicken. J. E. Blow. 1,519,818; Dec. 16.
Routing bit. A. J. Phelps. 1,519,876; Dec. 16.
Rubber composition. G. W. Gish. 1,519,729; Dec. 16.
Rubber surfaces. Lubricating. M. A. Marquette. 1,519,547; Dec. 16.
Rubber water-meter disks to precise dimensions. Remolding hard. J. Thomson. 1,519,664; Dec. 16.
Salt shaker or similar article. H. Negbauer. Des. 66,242-3; Dec. 16.

Salts from solution. Apparatus for recovering mixed. N. T. Bacon. 1,519,476; Dec. 16.
Sand or pulverized iron ore. Treating magnetic. A. Naito. 1,519,973; Dec. 16.
Saw set. C. A. Hanson. 1,519,450; Dec. 16.
Saw set. E. R. Peterson. 1,519,592; Dec. 16.
Screen: See—
Vibrating screen.
Screen door or window. J. L. Carrigan. 1,519,358; Dec. 16.
Screws. Making lock. J. G. Furlan. 1,519,126; Dec. 16.
Scrubbing machine. J. Herr. 1,519,616-17; Dec. 16.
Seal. Car. E. Dietze. 1,519,671; Dec. 16.
Sealing machine. Box. J. P. Verhulst. 1,519,644; Dec. 16.
Seat: See—
Driving seat.
Seed dispenser. J. Priesnitz. 1,519,928; Dec. 16.
Seesaw. L. Trowbridge. 1,519,884; Dec. 16.
Separator: See—
Centrifugal separator. Milk separator.
Sewing machine. G. M. Eames and J. S. Finch. 1,519,489; Dec. 16.
Sewing-machine feeding mechanism. R. M. Sharaf. 1,519,556; Dec. 16.
Sewing machine. Lock-stitch. F. Ashworth. 1,519,652; Dec. 16.
Sewing machines. Meter attachment for. J. G. Breitenstein. 1,519,660; Dec. 16.
Sewing machines. Multiple-thread tension device for. A. B. Clayton. 1,519,486; Dec. 16.
Shade-bracket rod. L. M. Moore. 1,519,548; Dec. 16.
Shade holder. H. H. Wolter. Des. 66,251; Dec. 16.
Sharpener. Knife-blade. H. Brix. 1,519,661; Dec. 16.
Shaving machine. Electric. E. Pando. 1,519,504; Dec. 16.
Sheet-metal conveyor. J. W. Free. 1,519,490; Dec. 16.
Sheet metal. Draw press for. C. J. Rhodes and G. W. Berry. 1,519,323; Dec. 16.
Sheets. Clamping device for stacks of. J. W. Townsend. 1,519,225; Dec. 16.
Shingle. Metal. G. A. Belding. 1,519,350; Dec. 16.
Ships and other vessels. Maneuvering or steering of. J. H. W. Gill. 1,519,580; Dec. 16.
Shock absorber. E. C. Austin. 1,519,650; Dec. 16.
Shock absorber. A. L. Harris. 1,519,451; Dec. 16.
Shoe shiner. Collapsible. E. J. Young. 1,519,712; Dec. 16.
Shovel: See—
Collapsible shovel.
Signal: See—
Automobile signal. Railway-crossing signal.
Fog signal. Vehicle signal.
Signaling system. W. C. Beach. 1,519,477; Dec. 16.
Signaling system. K. A. Helsing. 1,519,615; Dec. 16.
Sink trap and lift. J. A. O'Laughlin. 1,519,323; Dec. 16.
Siphons and the like. Method and machine for flanging thermic. C. G. Hawley. 1,519,778; Dec. 16.
Slicing machine. J. S. Napier, E. M. Porter, and J. Silva. 1,519,158; Dec. 16.
Slicing machines. Slice receiver for. R. H. Brown. 1,519,354; Dec. 16.
Smelter and ladle. Combined. E. Baurichter. 1,519,290; Dec. 16.
Smoke conveyor. E. C. Lehmen. 1,519,782; Dec. 16.
Snap switch. C. Aalborg. 1,519,229; Dec. 16.
Snow gathering and loading machine. S. Friedman. 1,519,249; Dec. 16.
Snowplow. M. Hair. 1,519,718; Dec. 16.
Socket. Bow. A. W. Curtis. 1,519,821; Dec. 16.
Sofa bed. D. F. Dyke. 1,519,674; Dec. 16.
Soldering iron. J. Gaffney. 1,519,127; Dec. 16.
Soldering iron. Electric. F. F. Forshee and J. C. Woodson. 1,519,246; Dec. 16.
Sole and making same. Shoe. M. G. Muñoz. 1,519,624; Dec. 16.
Solid, liquid, or semigaseous matter from gases, vapors, and the like. Device for separating. J. A. Willisch. 1,519,428; Dec. 16.
Spade grip. K. Kauch and C. L. Paulus. 1,519,458; Dec. 16.
Spading device. H. Merryman. 1,519,465; Dec. 16.
Spark plug. C. L. Hunt. 1,519,583; Dec. 16.
Spark plug. N. H. Russell. 1,519,707; Dec. 16.
Spark plug. C. Schmidt. 1,519,511; Dec. 16.
Specific-gravity meter. M. B. Field. 1,519,609; Dec. 16.
Speedometer drive. H. S. Glingrich. 1,519,537; Dec. 16.
Speedometers. Steering-wheel drive for. F. G. Whittington. Re15,969; Dec. 16.
Spindles. Applying driving bands to. H. G. Baker. 1,519,183; Dec. 16.
Spinning frame. Cap. R. Burgess. 1,519,663; Dec. 16.
Spooling machines. Hand brake for. S. Daniloff and R. E. Naumburg. 1,519,809; Dec. 16.
Sprayer. O. F. Green. 1,519,199; Dec. 16.
Spraying and washing device. F. W. Kelleher. 1,519,812; Dec. 16.
Spraying machine. J. H. J. Ayscue. 1,519,103; Dec. 16.
Spring: See—
Air spring.
Spring wheel. W. J. Beisel. 1,519,898; Dec. 16.
Spring wheel. M. Juhász. 1,519,542; Dec. 16.
Sprinklers. Water control for. R. W. Seyms. 1,519,338; Dec. 16.

Stacking device for chips or counters. L. Wentes. 1,519,389; Dec. 16.
 Starter, instantaneous. J. T. Evans, Jr. 1,519,370; Dec. 16.
 Steam engine. J. A. Dobie. 1,519,672; Dec. 16.
 Steam engine, reversible. L. N. Davis. 1,519,823; Dec. 16.
 Steam generator. W. Hamer, Jr. 1,519,492; Dec. 16.
 Steering device, tractor. C. Kent. 1,519,494; Dec. 16.
 Stencils for use in duplicating manuscript and typewritten documents, drawings, and the like, production of. A. de Waele. 1,519,975; Dec. 16.
 Stocking. J. P. Nissen. 66,253; Dec. 16.
 Stoker, underfeed. N. M. Lower. 1,519,382; Dec. 16.
 Stoneworking machine. H. H. Mercer. 1,519,740; Dec. 16.
 Storage battery. B. F. Poth. 1,519,701; Dec. 16.
 Storage-battery-cell cover. P. M. Marko. 1,519,867; Dec. 16.
 Store-front construction. A. Katz. 1,519,206; Dec. 16.
 Strainer device. E. G. Von Gunten. 1,519,890; Dec. 16.
 Strainer, milk. A. O. Stubbs. 1,519,421; Dec. 16.
 Straw-binding machine. J. B. Krause. 1,519,141; Dec. 16.
 Street or station indicator. J. McCall. 1,519,148; Dec. 16.
 Stringed instruments, chord-playing attachment for. N. D. Stein. 1,519,881; Dec. 16.
 Sulphate and sulphite pulp, interrelated process of and apparatus for producing. G. A. Richter. 1,519,508; Dec. 16.
 Sulphate and sulphite pulp, system for and method of producing. G. A. Richter. 1,519,509; Dec. 16.
 Sunshades, operating mechanism for. G. N. Hein. 1,519,837; Dec. 16.
 Supporting device, collapsible. T. E. Powers. 1,519,506; Dec. 16.
 Surface treating device. L. P. Wilson. 1,519,181; Dec. 16.
 Suspending means. F. G. Smith. 1,519,341; Dec. 16.
 Switch: See—
 Electric switch. Snap switch.
 High-tension operating. Thermostatic switch.
 switch.
 Switch and switch box. E. L. Krag. 1,519,408; Dec. 16.
 Switch-box bracket. E. H. Kruse. 1,519,735; Dec. 16.
 Switches, interlock for. E. K. Read and C. A. Johnson. 1,519,263; Dec. 16.
 Switches, restoring means for automatic. A. H. Adams. 1,519,343; Dec. 16.
 Table: See—
 Auto table. Folding table.
 Tank: See—
 Automobile fuel tank.
 Valve-operating-mechanism tank.
 Tank fixture, flush-. A. A. Briggs. 1,519,188; Dec. 16.
 Tanks, cap for liquid and pressure. A. E. Murphy. 1,519,413; Dec. 16.
 Telegraph sender. J. A. Hullit. 1,519,840; Dec. 16.
 Telegraph system. J. Herman. 1,519,202; Dec. 16.
 Telephone receiver or transmitter. L. Schindt. 1,519,811; Dec. 16.
 Telephone system. H. D. MacPherson. 1,519,497; Dec. 16.
 Telephone system, automatic. W. T. Powell. 1,519,330-1; Dec. 16.
 Telephony. F. M. Slough. 1,519,271; Dec. 16.
 Temperature indicator. W. F. Fraser. 1,519,676; Dec. 16.
 Test device. H. R. Menefee. 1,519,499; Dec. 16.
 Thermometers, disinfectant casing for clinical. C. L. Jones. 1,519,916; Dec. 16.
 Thermostatic switch. H. N. Wade. 1,519,747; Dec. 16.
 Tile to a vertical wall, apparatus for attaching. C. L. Shannon, Jr. 1,519,637; Dec. 16.
 Time recorder, elapsed. C. T. Schirmer. 1,519,633; Dec. 16.
 Timer. C. A. Kuenzel, Jr. 1,519,781; Dec. 16.
 Tire. A. Norin. 1,519,162; Dec. 16.
 Tire. J. B. Topham. Des. 66,250; Dec. 16.
 Tire-building apparatus. M. A. Marquette. 1,519,546; Dec. 16.
 Tire carrier. H. L. Adams. 1,519,894; Dec. 16.
 Tire casings, composition for use in automobile. C. W. Schnell. 1,519,268; Dec. 16.
 Tire chain, never-slip. E. Sedgwick. 1,519,937; Dec. 16.
 Tire fabrics, method and apparatus for making pneumatic. D. M. Weigel. 1,519,522; Dec. 16.
 Tire, laminated. H. von Lutzky. 1,519,178; Dec. 16.
 Tire, pneumatic. A. B. Schleicher. Des. 66,247; Dec. 16.
 Tire protector, antiskid pneumatic. D. Ferrari. 1,519,810; Dec. 16.
 Tire rack. F. W. Burch. 1,519,720; Dec. 16.
 Tire-removing tool. C. B. Snider. 1,519,558; Dec. 16.
 Tires, making. M. A. Marquette. 1,519,545; Dec. 16.
 Tires, puncture-closing device for. B. Ulrich. 1,519,227; Dec. 16.
 Toaster. F. O. and E. M. Troger. 1,519,176; Dec. 16.
 Tobacco box. J. M. Hothersall. 1,519,137; Dec. 16.
 Tobacco machine. H. L. Henderson. 1,519,306; Dec. 16.
 Tobacco pipes, pipe key for. C. W. Ranney. 1,519,261; Dec. 16.
 Toilet bowl or water-closet, double-compartment. B. E. Burger. 1,519,112; Dec. 16.
 Toilet-seat cover, sanitary. L. A. Lausten. 1,519,409; Dec. 16.
 Tool, combination. C. T. McCormick. 1,519,786; Dec. 16.
 Tool-feeding mechanism. E. H. Wray. 1,519,390; Dec. 16.
 Tool mounting. E. G. Gartin. 1,519,997; Dec. 16.
 Tool support, auxiliary. J. K. Cullen. 1,519,363; Dec. 16.
 Toothbrush construction. C. A. Stonehill. 1,519,515; Dec. 16.
 Top-roll cleaner. E. C. Keyes. 1,519,139; Dec. 16.
 Torches, attachment for welding. F. H. Simmons. 1,519,639; Dec. 16.
 Toy. J. J. Schneider. 1,519,936; Dec. 16.
 Toy. H. Ziemss, Jr. 1,519,432; Dec. 16.
 Toy amusement device. L. Marx. 1,519,410; Dec. 16.
 Toy building block. F. L. Ordway. 1,519,674; Dec. 16.
 Toy, figure. L. E. Brock. 1,519,434; Dec. 16.
 Toy vehicle. H. M. Lupton, Jr. 1,519,208; Dec. 16.
 Tractor. B. S. Pfeiffer. 1,519,164; Dec. 16.
 Train-control system. V. Stanley. 1,519,986; Dec. 16.
 Train-pipe connector, automatic. M. A. Barber. 1,519,184; Dec. 16.
 Transformer. W. G. Hettich. 1,519,258; Dec. 16.
 Transmission brake. R. V. Flitz Gerald. 1,519,400; Dec. 16.
 Transmission lines, testing. A. B. Clark and W. H. Martin. 1,519,574; Dec. 16.
 Transmission mechanism. A. Andrews. 1,519,895; Dec. 16.
 Transmission mechanism. B. Thomas. 1,519,744; Dec. 16.
 Transmission mechanism, fluid. E. R. Cornell. 1,519,957; Dec. 16.
 Transparent effects upon cotton fabrics, producing. H. I. Huey. 1,519,376; Dec. 16.
 Trap: See—
 Animal trap.
 Trap. H. A. Burkhardt. 1,519,113; Dec. 16.
 Travelling block. E. E. Grove. 1,519,252; Dec. 16.
 Tray or support for record matter. J. H. Rand, Jr. and L. C. Broecker. 1,519,704; Dec. 16.
 Trays, apparatus for inverting. W. E. Milton. 1,519,154; Dec. 16.
 Trenching machine. P. Asplund. 1,519,897; Dec. 16.
 Tricycle. H. S. Harker. 1,519,493; Dec. 16.
 Trigger-released supporting member. J. Klingele. 1,519,687; Dec. 16.
 Trolley. G. S. Moore. 1,519,321; Dec. 16.
 Trouser braces. J. J. Moulbau. 1,519,466; Dec. 16.
 Truck. J. and H. Trust. 1,519,979; Dec. 16.
 Truck body. J. Ogren. 1,519,416; Dec. 16.
 Truck, industrial. T. H. Clegg. 1,519,191; Dec. 16.
 Tube bender or bending machine. E. B. Miner. 1,519,411; Dec. 16.
 Tumbler. T. C. Helsey. Des. 66,233; Dec. 16.
 Turbine engine. W. A. Salisbury. 1,519,336; Dec. 16.
 Turbine, hydraulic. H. B. Taylor. 1,519,173; Dec. 16.
 Typewriting machine. C. B. Corcoran. 1,519,820; Dec. 16.
 Typewriting machine. B. C. Stickney. 1,519,224; Dec. 16.
 Typewriting machine. J. Waldhelm. 1,519,645; Dec. 16.
 Typewriting machine. F. W. Young. 1,519,524; Dec. 16.
 Undergarment, lady's. E. L. Roberts. 1,519,265; Dec. 16.
 Underreamer, rotary. W. N. Thompson. 1,519,641; Dec. 16.
 Universal joint. M. Birkigt. 1,519,900; Dec. 16.
 Unloader. S. B. Redfield. 1,519,705; Dec. 16.
 Vacuum cleaner. C. W. Boughan. 1,519,950; Dec. 16.
 Vacuum cleaner. C. W. Davis. 1,519,822; Dec. 16.
 Vacuum cleaners, suction-nozzle control for. W. H. Dempsey. 1,519,192; Dec. 16.
 Valet chair. H. L. Osborn. 1,519,324; Dec. 16.
 Valve. H. E. Dunstrup. 1,519,670; Dec. 16.
 Valve. C. S. Flowers. 1,519,446; Dec. 16.
 Valve. A. M. Griffin. 1,519,832; Dec. 16.
 Valve. D. G. Lorraine. 1,519,856; Dec. 16.
 Valve. E. E. Lumley. 1,519,858; Dec. 16.
 Valve. E. A. Russell. 1,519,965; Dec. 16.
 Valve-actuating attachment for automobiles and the like. M. K. Thayer. 1,519,517; Dec. 16.
 Valve-actuating mechanism. M. E. Crandall. 1,519,722; Dec. 16.
 Valve, automatic flush. R. R. Banta. 1,519,654; Dec. 16.
 Valve for fluid-motive apparatus. K. Klefer. 1,519,205; Dec. 16.
 Valve for hydraulic governors, balance. L. T. Harrigan. 1,519,963; Dec. 16.
 Valve for pipe organs, electropneumatic unit. F. A. Moench. 1,519,623; Dec. 16.
 Valve, gas-mixing. P. M. Anderson. 1,519,640; Dec. 16.
 Valve, intake-manifold locking. W. D. Ham. 1,519,961; Dec. 16.
 Valve, mercury-cooled transfer. E. A. Sperry. 1,519,272; Dec. 16.
 Valve-operating mechanism. V. L. Muller. 1,519,157; Dec. 16.
 Valve-operating-mechanism tank. A. A. Kramer and A. M. Griffin. 1,519,848; Dec. 16.
 Valve, pressure-retaining. E. L. Clark. 1,519,190; Dec. 16.

Valve regulator. L. Swehla. 1,519,640; Dec. 16.
 Valve, rotary. L. A. Smith. 1,519,513; Dec. 16.
 Valve, safety. T. Leahy. 1,519,146; Dec. 16.
 Valve, stop and waste. O. P. Benjamin. 1,519,231; Dec. 16.
 Valves, jar for removing standing. A. G. Roberts. 1,519,219; Dec. 16.
 Vanity case. F. M. Stevens. 1,519,514; Dec. 16.
 Vanity case, portable hanging. P. Mosonillo. 1,519,873; Dec. 16.
 Vaporizer, fuel. W. W. Stryker. 1,519,516; Dec. 16.
 Vaporizer, medicinal. N. G. Adkins. 1,519,713; Dec. 16.
 Vault, burial. A. C. Fritz. 1,519,727; Dec. 16.
 Vehicle, child's. W. C. Farnum. 1,519,196; Dec. 16.
 Vehicle control device, motor. S. G. Down and H. D. Hukill. 1,519,121; Dec. 16.
 Vehicle fender. R. S. Blair. 1,519,233; Dec. 16.
 Vehicle lock, motor. C. Erickson. 1,519,534; Dec. 16.
 Vehicle pull. J. Roll. 1,519,334; Dec. 16.
 Vehicle signal. J. J. Michalski. 1,519,869; Dec. 16.
 Vehicle signal, motor. S. F. Douglass. 1,519,980; Dec. 16.
 Vehicle spring hanger. S. Furmidge. 1,519,677; Dec. 16.
 Vehicles, air-cleaning device for the air-inlet apertures of carburetors of automotive. C. E. Johnson. 1,519,541; Dec. 16.
 Vehicles, brake construction for motor. J. W. Norris. 1,519,467; Dec. 16.
 Vehicles, brake control for motor. S. G. Down. 1,519,120; Dec. 16.
 Vehicles, collapsible hood for motor. R. Colombino. 1,519,440; Dec. 16.
 Vehicles, combination bonnet lock and ignition-cut-off device for motor. C. L. Cummings. 1,519,904; Dec. 16.
 Vehicles, combined heater and muffler for motor. E. Ryder. 1,519,984; Dec. 16.
 Vehicles, intake manifold for gasoline-propelled. A. B. Charles. 1,519,665; Dec. 16.
 Vehicles, propulsion means for children's. F. R. Moore. 1,519,692; Dec. 16.
 Vehicles, support for the cross braces of motor. M. E. Rutherford. 1,519,935; Dec. 16.
 Vehicles, suspension device for. P. J. R. Postel-Vinay. 1,519,468; Dec. 16.
 Ventilator. A. L. Riker. 1,519,553; Dec. 16.
 Venting mold. A. Lloyd. 1,519,586; Dec. 16.
 Vest and belt, combination. A. Plotrowski. 1,519,877; Dec. 16.
 Vibrating screen. N. E. Brown. 1,519,237; Dec. 16.
 Visor, convertible. A. B. Mull. 1,519,590; Dec. 16.
 Voice-frequency signaling. A. B. Clark. D. K. Gannett, and H. Nyquist. 1,519,573; Dec. 16.
 Wall boards, device for securing. E. W. Daniel. 1,519,118; Dec. 16.
 Wall-plate husk. K. Nacke. Des. 66,241; Dec. 16.
 Walls, form for providing openings in plastic. A. F. Reichert. 1,519,264; Dec. 16.
 Washbench. M. A. Gorden. 1,519,581; Dec. 16.
 Washer: See—
 Cup washer.

Washing machine. A. W. Altorfer. 1,519,475; Dec. 16.
 Washing machine. A. W. Altorfer. 1,519,715; Dec. 16.
 Washing machine. A. Misch. 1,519,690; Dec. 16.
 Watch casing. M. W. Stoll. Des. 66,249; Dec. 16.
 Water gauge and heat-indicating device, combined. A. J. Charlton. 1,519,438; Dec. 16.
 Water heater. W. A. Clench. 1,519,395; Dec. 16.
 Water heater. T. A. Lewis. 1,519,317; Dec. 16.
 Water-heating apparatus. G. E. Shoemaker. 1,519,594; Dec. 16.
 Water-meter compound reducing gear train. J. Thomson. 1,519,563; Dec. 16.
 Waterproof garment. J. F. Sharrock. 1,519,557; Dec. 16.
 Weaving, tuft-tube frame for. W. Bixby. 1,519,987; Dec. 16.
 Weaving, tuft-tube frame for. E. F. Hathaway. 1,519,978; Dec. 16.
 Weighing mechanism. H. L. Merrick. 1,519,151; Dec. 16.
 Weighing mechanism. H. L. Merrick. 1,519,383; Dec. 16.
 Well-boring apparatus, drill-stem bushing for. C. E. Fisher and P. W. Aular. 1,519,197; Dec. 16.
 Well-casing hook. E. Timbs. 1,519,519; Dec. 16.
 Well seal. G. P. Judson. 1,519,457; Dec. 16.
 Well-tool connection, oil. E. D. Finney. 1,519,445; Dec. 16.
 Wheel: See—
 Metal wheel. Spring wheel.
 Resilient wheel.
 Wheel. A. Romanach. 1,519,630; Dec. 16.
 Wheel carrier, extensible. E. K. Baker. 1,519,751; Dec. 16.
 Wheels, traction device for dual-tired. M. Hallanan. 1,519,834; Dec. 16.
 Wig and bandeau, combination. A. Breslauer. 1,519,107; Dec. 16.
 Window raising and lowering means. R. L. Ellery. 1,519,194; Dec. 16.
 Window, ventilating skylight. C. O. Whitnell. 1,519,427; Dec. 16.
 Wire hose bands, device for attaching, tightening, and clamping. F. L. Lodwick. 1,519,587; Dec. 16.
 Wire splicer and stretcher. E. Pasdera. 1,519,982; Dec. 16.
 Wire spring fabrics, assembling. G. W. Barnes. 1,519,348; Dec. 16.
 Wire stretcher and splicer, combined. J. Elder and B. M. Macleod. 1,519,300; Dec. 16.
 Wire terminals, forming. C. Pozgay. 1,519,550; Dec. 16.
 Wrench: See—
 Pipe and nut wrench. Pipe wrench.
 Wrench. H. Graham. 1,519,910; Dec. 16.
 Wrench. G. B. Trew. 1,519,175; Dec. 16.
 Wringer: See—
 Clothes wringer.
 Yeast food and making same. H. Riley. 1,519,801; Dec. 16.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 16, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

2—	10: 1,519,590	24—	232: 1,519,519	51—	168: 1,519,921	80—	41: 1,519,657	106—	31: 1,519,560	137—	21: 1,519,723	
	20: 1,519,203		241: 1,519,442		216: 1,519,828	81—	3: 1,519,228	107—	12: 1,519,569		53: 1,519,856	
	73: 1,519,265		1,519,469		225: 1,519,124		9.3: 1,519,587		47: 1,519,752		93: 1,519,654	
	84: 1,519,557	25—	63: 1,519,455	53—	1: 1,519,510		15: 1,519,550	108—	5.8: 1,519,217		104: 1,519,832	
	94: 1,519,123		119: 1,519,150		1,519,766		53: 1,519,800		17: 1,519,350		139: R. 15,965	
	102: 1,519,877		124: 1,519,264		1,519,767		94: 1,519,910		31: 1,519,427		1,519,157	
	127: 1,519,279		130: 1,519,902		5: 1,519,176		102: 1,519,242	110—	1: 1,519,492		1,519,338	
	132: 1,519,593		131: 1,519,418		107: 1,519,632		105: 1,519,169		47: 1,519,382		1,519,517	
	158: 1,519,913	29—	29: 1,519,363		199: 1,519,714		193: 1,519,882		95: 1,519,364		160: 1,519,527	
	185: 1,519,842		43: 1,519,680		460: 1,519,141	82—	2: 1,519,390		145: 1,519,782		163: 1,519,757	
	195: 1,519,491		89: 1,519,187		58—	25: 1,519,797	83—	5: 1,519,241		173: 1,519,780	139—	10: 1,519,078
	236: 1,519,878		1,519,210		59—	79: 1,519,799		10: 1,519,625		178: 1,519,838		1,519,987
	253: 1,519,385		96: 1,519,949		61—	80: 1,519,578		26: 1,519,662	112—	3: 1,519,299		44: 1,519,750
4—	44: 1,519,188	30—	1: 1,519,601		71: 1,519,301		1,519,441		59: 1,519,486		114: 1,519,424	
	67: 1,519,796		3: 1,519,636		62—	57: 1,519,441		45: 1,519,989		81: 1,519,489		122: 1,519,804
	97: 1,519,112		11: 1,519,291		178: 1,519,353		1,519,990		90: 1,519,833		217: 1,519,942	
	243: 1,519,499		12: 1,519,185		64—	56: 1,519,391		1,519,991		209: 1,519,556		245: 1,519,710
5—	13: 1,519,667		1,519,485		91: 1,519,945		1,519,992		219: 1,519,652	141—	7: 1,519,443	
	31: 1,519,674		1,519,504		99: 1,519,920		56: 1,519,237	113—	18: 1,519,871	143—	45: 1,519,378	
	144: 1,519,414	31—	58: 1,519,826		66—	21: 1,519,384		71: 1,519,464		38: 1,519,333		168: 1,519,783
8—	209: 1,519,348		1,519,827		67—	72: 1,519,235		84: 1,519,250		46: 1,519,552		171: 1,519,360
	5: 1,519,143	32—	12: 1,519,505		68—	3: 1,519,620	84—	92: 1,519,490		109: 1,519,127	144—	33: 1,519,344
	18: 1,519,709		29: 1,519,969			12: 1,519,576		43: 1,519,215		111: 1,519,639		87: 1,519,753
	20: 1,519,376		18: 1,519,690			18: 1,519,690		317: 1,519,881	115—	14: 1,519,580		198: 1,519,647
	10: 1,519,126	33—	1: 1,519,965			32: 1,519,251		339: 1,519,623	116—	25: 1,519,342		240: 1,519,876
	36: 1,519,189		9: 1,519,914		70—	35: 1,519,581	85—	498: 1,519,138		51: 1,519,869	145—	66: 1,519,166
10—	139: 1,519,201		58: 1,519,865			14: 1,519,352		8: 1,519,308		114: 1,519,372		67: 1,519,951
	14: 36: 1,519,189	34—	104: 1,519,646			16: 1,519,678		29: 1,519,329		138: 1,519,839		121: 1,519,786
	9: 1,519,822		12: R. 15,967			18: 1,519,933	87—	5: 1,519,907	117—	41: 1,519,313	146—	6: 1,519,158
	16: 1,519,192	35—	19: 1,519,288			29: 1,519,346		9: 1,519,268	118—	40: 1,519,958		59: 1,519,397
	49: 1,519,616		2: 1,519,426			46: 1,519,282		13: 1,519,779		62: 1,519,663		94: 1,519,354
	50: 1,519,530		9: 1,519,554			65: 1,519,681	88—	14: 1,519,919	119—	22: 1,519,598		113: 1,519,532
	100: 1,519,460	36—	17: 1,519,934			74: 1,519,471		16: 1,519,605		25: 1,519,818	148—	10: 1,519,220
	135: 1,519,232		59: 1,519,843			128: 1,519,534		16.4: 1,519,105		33: 1,519,116		24: 1,519,128
	146: 1,519,181	37—	76: 1,519,320			1: 1,519,140		19.3: 1,519,392		44: 1,519,518		42: 1,519,684
	147: 1,519,335		5: 1,519,249			7: 1,519,727	89—	27: 1,519,458		148: 1,519,429	150—	19: 1,519,836
	155: 1,519,868		53: 1,519,718			30: 1,519,305		40: 1,519,454	120—	17: R. 15,968	151—	2: 1,519,834
	176: 1,519,359		87: 1,519,697			32: 1,519,099	90—	37: 1,519,332		35: 1,519,816	152—	8: 1,519,162
	209: 1,519,929		142: 1,519,101			118: 1,519,118	91—	68: 1,519,803	121—	9: 1,519,171		9: 1,519,178
	246: 1,519,721	40—	191: 1,519,777			128: 1,519,637		70: 1,519,322		1,519,829		14: 1,519,688
16—	1: 1,519,901		2.2: 1,519,472			51: 1,519,549	92—	11: 1,519,508		125: 1,519,672		16: 1,519,810
	7: 1,519,745		10: 1,519,883			52: 1,519,438		38: 1,519,696		178: 1,519,823		27: 1,519,227
	29: 1,519,794		42: 1,519,276			54: 1,519,792		1,519,509	122—	408: 1,519,435		36: 1,519,971
	65: 1,519,521		55: 1,519,148			82: 1,519,214		1,519,985	123—	25: 1,519,483		38: 1,519,542
	69: 1,519,584		71: 1,519,480			109: 1,519,855		44: 1,519,559		75: 1,519,814		43: 1,519,630
17—	1: 1,519,423		120: 1,519,653			118: 1,519,676	93—	2: 1,519,177		90: 1,519,640		50: 1,519,898
	7: 1,519,689		132: 1,519,791			7: R. 15,969		36: 1,519,129		1,519,722		16: 1,519,778
	11: 1,519,296		146: 1,519,805			1,519,537		1,519,644		119: 1,519,393	153—	32: 1,519,145
	47: 1,519,547		149: 1,519,193			14: 1,519,293		80: 1,519,754		122: 1,519,144		80: 1,519,411
	55: 1,519,564	41—	155: 1,519,575			1,519,926	97—	15: 1,519,198		149: 1,519,959	154—	2: 1,519,522
	139: 1,519,139	42—	38.6: 1,519,975			26: 1,519,660		40: 1,519,161		169: 1,519,511		10: 1,519,546
	2: 1,519,627		11: 1,519,806			33: 1,519,849		59: 1,519,275		1,519,583		14: 1,519,545
	6: 1,519,179		42: 1,519,589			34: 1,519,964		143: 1,519,596		1,519,707		23: 1,519,742
	31: 1,519,226	43—	70: 1,519,886			36: 1,519,309		215: 1,519,465		177: 1,519,272		33: 1,519,280
	22: 1,519,962		6: 1,519,113			39: 1,519,895	99—	216: 1,519,776		1,519,513		45: 9: 1,519,180
	34: 1,519,844		45: 1,519,174			1,519,467		2: 1,519,806		178: 1,519,155		46: 1,519,239
19—	17: 1,519,579		67: 1,519,459			1,519,732		8: 1,519,789	126—	39: 1,519,317		14: 1,519,824
	139: 1,519,139		131: 1,519,456			54: 1,519,595	100—	11: 1,519,109		58: 1,519,819		196: 1,519,216
	2: 1,519,627		143: 1,519,922			1,519,692	101—	57: 1,519,119		73: 1,519,501	155—	21: 1,519,106
	6: 1,519,179		147: 1,519,199			56: 1,519,297		178: 1,519,544		90: 1,519,673		23: 1,519,548
	31: 1,519,226		9: 1,519,905			58: 1,519,525		282: 1,519,367		120: 1,519,218	156—	33: 1,519,930
	36: 1,519,206	44—	11: 1,519,543			59: 1,519,316		376: 1,519,481		163: 1,519,240		37: 1,519,358
	56.4: 1,519,206		135: 1,519,873			1,519,420		395: 1,519,634		362: 1,519,594		6: 1,519,558
	22: 1,519,962		40: 1,519,410			1,519,474		401.3: 1,519,775		57: 1,519,631	157—	1.5: 1,519,846
	34: 1,519,844	48—	73: 1,519,523			63: 1,519,165		412: 1,519,944		164: 1,519,915	158—	27.4: 1,519,582
	134: 1,519,116		102: 1,519,295			66: 1,519,183	102—	29: 1,519,302		258: 1,519,713		28: 1,519,152
	1: 1,519,381		114: 1,519,607			81: 1,519,798		3: 1,519,706		307: 1,519,407		36: 1,519,788
	3: 1,519,555	49—	180: 1,519,371			83: 1,519,263	103—	11: 1,519,570		8: 1,519,889		64: 1,519,940
	10: 1,519,642		1,519,665			1,519,310		37: 1,519,478		13: 1,519,610		75: 1,519,462
	28: 1,519,470		3: 1,519,259			108: 1,519,182		89: 1,519,664	129—	16: 1,519,704		86: R. 15,964
	92: 1,519,880		17: 1,519,247			1,519,918		190: 1,519,768		35: 1,519,452		117.5: 1,519,830
	150: 1,519,932		33: 1,519,244			109: 1,519,571	105—	32: 1,519,599		10: 1,519,785		118: 1,519,649
	3: 1,519,142		55: 1,519,314			1,519,697		62: 1,519,812	131—	12: 1,519,665		2: 1,519,476
	11: 1,519,700		65: 1,519,586			1,519,862		99: 1,519,943		13: 1,519,261	159—	3: 1,519,523
	18: 1,519,368		77: 1,519,802			17: 1,519,204		147: 1,519,349		58: 1,519,306		1: 1,519,312
	19: 1,519,130		79: 1,519,277			73: 1,519,673		410: 1,519,186	132—	53: 1,519,107		6.6: 1,519,669
	31: 1,519,708	51—	83.1: 1,519,658			185: 1,519,306		423: 1,519,941		84: 1,519,515	162—	51: 1,519,225
	66: 1,519,891		3: 1,519,425			60: 1,519,450	106—	23: 1,519,659		51: 1,519,691		

CLASSIFICATION OF PATENTS.

166—	15: 1,519,136	188—	92: 1,519,963	208—	38: 1,519,208	230—	11: 1,519,245	251—	90: 1,519,670	272—	54: 1,519,884
	19: 1,519,585		96: 1,519,853		42: 1,519,493		1,519,440		96: 1,519,205	273—	33: 1,519,288
167—	9: 1,519,755		213: 1,519,759		70: 1,519,327		1,519,903		126: 1,519,156		82: 1,519,835
170—	4: 1,519,447		1,519,760		165: 1,519,196	24: 1,519,705			135: 1,519,604		94: 1,519,422
	163: 1,519,163		1,519,761	210—	51: 1,519,200	1,519,995			1,519,668		95: 1,519,379
	166: 1,519,102		1,519,762		157: 1,519,421	1,519,996			145: 1,519,858		97: 1,519,936
171—	97: 1,519,603		1,519,763		1,519,990	232—	6: 1,519,705	253—	17: 1,519,173		108: 1,519,860
	206: 1,519,861		1,519,764		166: 1,519,479	233—	15: 1,519,419		49: 1,519,336		109: 1,519,339
	264: 1,519,098	231: 1,519,765		211—	9: 1,519,968		27: 1,519,629	254—	8: 1,519,979		134: 1,519,133
	321: 1,519,270	249: 1,519,400			14: 1,519,289	234—	1,519,473		29: 1,519,804		158: 1,519,666
	324: 1,519,304	38: 1,519,292			16: 1,519,324	27: 5: 1,519,633			67: 1,519,946		136: 1,519,711
172—	36: 1,519,222	62: 1,519,553			18: 1,519,825	235—	1: 1,519,269		77: 1,519,982		145: 1,519,405
	120: 1,519,728	48: 1,519,887			24: 1,519,267		59: 1,519,328		81: 1,519,300		148: 1,519,389
	179: 1,519,208	49: 1,519,888			141: 1,519,888		58: 1,519,253		88: 1,519,977		158: 1,519,702
	1,519,255	59: 1: 1,519,321			145: 1,519,117	236—	8: 1,519,787		94: 1,519,893	274—	2: 1,519,365
	238: 1,519,284	3: 1,519,213			76: 1,519,184	237—	85: 1,519,066		187: 1,519,538		15: 1,519,605
	239: 1,519,675	10: 1,519,294			1: 1,519,101	238—	79: 1,519,847		192: 1,519,252	275—	2: 1,519,900
	274: 1,519,254	33: 1,519,168		214—	5: 1,519,357		1,519,906	255—	195: 1,519,520	279—	106: 1,519,337
	281: 1,519,619	54: 1,519,386			5: 1,519,953	239—	188: 1,519,463		23: 1,519,197	280—	152: 1,519,860
	298: 1,519,108	60: 1,519,967			1,519,954		260: 1,519,771		27: 1,519,445	281—	34: 1,519,945
	324: 1,519,499	68: 1,519,531			55: 1,519,925	240—	270: 1,519,716		37: 1,519,512	283—	2: 1,519,643
	331: 1,519,923	84: 1,519,417			65: 1,519,191		1: 1,519,448		1,519,551	285—	22: 1,519,404
	332: 1,519,972	99: 1,519,744			83: 1,519,340		7: 1,519,734	35: 1,519,175		95: 1,519,110	
	335: 1,519,195	129: 1,519,967			84: 1,519,416		41: 1,519,318	51: 1,519,907		120: 1,519,111	
	1,519,498	193: 3: 1,519,909			87: 1,519,248	48: 4: 1,519,200		53: 1,519,981		286—	33: 1,519,845
	358: 1,519,774	59: 1,519,159			1,519,256		1,519,345	68: 1,519,132		52: 1,519,236	
175—	360: 1,519,588	195: 20: 1,519,801		215—	38: 1,519,628		1,519,737	72: 1,519,135		100: 1,519,717	
	294: 1,519,273	196: 139: 1,519,719			46: 1,519,100	53: 1,519,131		73: 1,519,641		192: 1,519,841	
	320: 1,519,568	107: 183: 1,519,524		217—	12: 1,519,260	61: 1,519,437		130: 1,591,879		323: 1,519,671	
	355: 1,519,315	186: 1,519,224			22: 1,519,655	62: 1,519,682		136: 1,519,984		336: 1,519,267	
	356: 1,519,258	187: 1,519,645			1,519,656		1,519,859	256—	72: 1,519,475	340: 1,519,908	
	359: 1,519,167	188: 1,519,931		219—	20: 1,519,294		12: 1,519,466	257—	50: 1,519,502	355: 1,519,375	
177—	329: 1,519,266	188: 1,519,931			25: 1,519,278	241—	8: 1,519,707	59: 1,519,153		356: 1,519,500	
178—	2: 1,519,202	188: 1,519,931			1,519,341	242—	49: 1,519,809	72: 1,519,715		1,519,503	
	44: 1,519,635	200: 5: 1,519,535			26: 1,519,246	49: 1,519,809		134: 1,519,533	261—	290: 10: 1,519,233	
	45: 1,519,612	18: 1,519,257			35: 1,519,287	243—	24: 1,519,993	144: 1,519,606	63: 1,519,773	55: 1,519,356	
	63: 1,519,870	24: 1,519,566			38: 1,519,700	244—	3: 1,519,622	63: 1,519,773	80: 1,519,739	1,519,399	
	99: 1,519,840	26: 1,519,781			39: 1,519,395	3: 1,519,772		80: 1,519,739	5: 1,519,731	1,519,540	
179—	15: 1,519,626	43: 1,519,303			4: 1,519,874	14: 1,519,686		5: 1,519,731	8: 1,519,147	1,519,597	
	18: 1,519,330	44: 1,519,966		220—	39: 1,519,395	21: 1,519,857		8: 1,519,147	16: 1,519,134	294: 26: 1,519,864	
	1,519,331	48: 1,519,402			27: 1,519,137	25: 1,519,444		16: 1,519,134	5: 1,519,370	36: 1,519,938	
	27: 5: 1,519,343	50: 1,519,403			43: 1,519,495	29: 1,519,618		5: 1,519,370	6: 1,519,970	57: 1,519,892	
	35: 1,519,271	67: 1,519,229			44: 1,519,413	1,519,866		6: 1,519,970	13: 1,519,290	62: 1,519,160	
	43: 1,519,497	124: 1,519,924			55: 1,519,988	246—	34: 1,519,387	13: 1,519,290	19: 1,519,151	65: 1,519,243	
	89: 1,519,573	132: 1,519,638			86: 1,519,728		71: 1,519,986	5: 1,519,370	20: 1,519,679	82: 1,519,430	
	114: 1,519,477	134: 1,519,651			88: 1,519,848		170: 1,519,146	6: 1,519,970	19: 1,519,219	86: 1,519,219	
	171: 1,519,211	139: 1,519,747			22: 1,519,347		302: 1,519,872	19: 1,519,219	20: 1,519,679	106: 1,519,325	
180—	175: 1,519,574	147: 1,519,230			23: 1,519,911		378: 1,519,939	44: 1,519,609	44: 1,519,609	112: 1,519,736	
	7: 1,519,331	155: 1,519,591			64: 1,519,514	247—	39: 1,519,262	56: 1,519,383	56: 1,519,383	127: 1,519,976	
	17: 1,519,494	201: 55: 1,519,591			74: 1,519,484		21: 1,519,735	9: 1,519,650	9: 1,519,650	296: 81: 1,519,741	
	19: 1,519,164	202: 8: 1,519,784			130: 1,519,928	248—	20: 1,519,122	37: 1,519,758	37: 1,519,758	95: 1,519,837	
	82: 1,519,904	204: 1: 1,519,572			29: 1,519,720		21: 1,519,223	41: 1,519,468	41: 1,519,468	116: 1,519,440	
	85: 1,519,900	19: 1,519,648			14: 1,519,154	249—	24: 1,519,687	45: 1,519,935	45: 1,519,935	118: 1,519,821	
183—	23: 1,519,726	29: 1,519,701			97: 1,519,756	250—	48: 1,519,685	54: 1,519,677	54: 1,519,677	299: 39: 1,519,103	
	44: 1,519,950	32: 1,519,373			8: 1,519,748	249—	2: 1,519,615	64: 1,519,851	64: 1,519,851	77: 1,519,725	
	75: 1,519,428	206: 16: 5: 1,519,916			29: 1,519,433	250—	27: 1,519,412	27: 1,519,412	27: 1,519,412	301—	22: 1,519,683
	79: 1,519,541	41: 1,519,406			36: 1,519,813		38: 1,519,398	268—	38: 1,519,398	270—	26: 1,519,453
184—	48: 1,519,730	46: 1,519,738			44: 1,519,539	251—	6: 1,519,961	57: 1,519,562	57: 1,519,562	303—	6: 1,519,121
	64: 1,519,699	5: 1,519,724			48: 1,519,974		30: 1,519,446	81: 1,519,733	81: 1,519,733		50: 1,519,120
186—	1: 1,519,394				84: 1,519,567		43: 1,519,211	9: 1,519,749	9: 1,519,749		79: 1,519,190
187—	52: 1,519,355							271: 87: 1,519,817	271: 87: 1,519,817		
188—	38: 1,519,401							272: 30: 1,519,432	272: 30: 1,519,432		
	77: 1,519,875										
	88: 1,519,451										

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Ainsa, F. S., Co. Inc., The, El Paso, Tex. Coffee. 193,205; Dec. 23; Serial No. 202,193; published Oct. 14, 1924.
- Alfred Humbert & Son, Philadelphia, Pa. Wedding rings. 193,226-7; Dec. 23; Serial Nos. 189,721-2; published June 3, 1924.
- Allard & Co., Buenos Aires, Argentina. Stockings, underwear, sandals, boots, etc. 193,177; Dec. 23; Serial No. 182,557; published Oct. 7, 1924.
- Allsopp Brothers, Newark, N. J. Rings, cuff links, chains, etc. 193,302; Dec. 23; Serial No. 199,739; published Sept. 30, 1924.
- Amdur, M., & Son, New York, N. Y. Men's, boys', and children's coats and suits. 193,277; Dec. 23; Serial No. 198,495; published Sept. 30, 1924.
- Amdur, M., & Son, New York, N. Y. Coats and suits. 193,286; Dec. 23; Serial No. 199,029; published Sept. 30, 1924.
- American Butter and Cheese Company, Detroit, Mich. Butter. 193,195; Dec. 23; Serial No. 201,423; published Oct. 14, 1924.
- American Cranberry Exchange, Incorporated, New York, N. Y. Cranberry sauce and jelly. 193,249; Dec. 23; Serial No. 196,564; published Oct. 14, 1924.
- American Plush and Velvet Pressboard Co., New York, N. Y. Pressboards, steamers, and parts thereof. 193,359; Dec. 23.
- American Printing Company, Fall River, Mass. Cotton piece goods. 193,348-51; Dec. 23.
- Andrews Radio Company, Chicago, Ill. Radio receiving sets and parts therefor. 193,256; Dec. 23; Serial No. 200,174; published Sept. 23, 1924.
- Arnesto Paint Co. Inc., New York, N. Y. Ready-mixed paints. 193,339; Dec. 23; Serial No. 181,583; published Oct. 14, 1924.
- Arnold Electric Co., Racine, Wis. Hair driers, drink mixers, phonograph motors, etc. 193,356; Dec. 23.
- Atlantic Sea Products Co., Brunswick, Ga. Canned shrimp and oysters. 193,236; Dec. 23; Serial No. 192,592; published Oct. 14, 1924.
- Automotive Electric Service Corporation, New York, N. Y. Batteries. 193,245; Dec. 23; Serial No. 195,566; published Sept. 2, 1924.
- Auto Parts Company, (See Frank H. G. John.)
- Autopiano Company, The, New York, N. Y. Player pianos. 193,169; Dec. 23; Serial No. 153,910; published Oct. 7, 1924.
- Averill Manufacturing Corporation, New York, N. Y. Dolls. 193,333; Dec. 23; Serial No. 194,243; published Oct. 14, 1924.
- Baldi, Muria, doing business as The Lawrence Baldi Co., Laconia, N. H. Beverages and sirups for making same. 193,307; Dec. 23; Serial No. 202,092; published Oct. 14, 1924.
- Banghart, George E., doing business as The Highway Auto Accessories Co., Ballston, Va. Spark plugs. 193,258; Dec. 23; Serial No. 200,305; published Oct. 7, 1924.
- Bart Brothers, New York, N. Y. Cigarettes. 193,336; Dec. 23; Serial No. 189,549; published Oct. 14, 1924.
- Bee Line Manufacturing Company, The. (See Winer, Alex.)
- Best Of All Company, Philadelphia, Pa. Men's serge suits. 193,237; Dec. 23; Serial No. 192,753; published Oct. 7, 1924.
- Bettman Nut Co., Inc., New York, N. Y. Salted and candied nuts and nut meat. 193,232; Dec. 23; Serial No. 192,061; published Oct. 14, 1924.
- Birmingham Aluminum Casting (1903) Company Limited, The, Birmingham, England. Tennis, badminton, and rackets for all games. 193,328; Dec. 23; Serial No. 197,861; published Oct. 14, 1924.
- Borgfeldt, George, & Co., New York, N. Y. Dolls and toys. 193,330; Dec. 23; Serial No. 196,329; published Oct. 14, 1924.
- Bruno, C., & Son, Inc., New York, N. Y. Accordions. 193,191; Dec. 23; Serial No. 201,325; published Oct. 7, 1924.
- Bruno, C., & Son, Inc., New York, N. Y. Banjos. 193,288; Dec. 23; Serial No. 199,147; published Oct. 7, 1924.
- Budd & Votaw, San Francisco, Calif. Hosiery, sweaters, shirts, etc. 193,238; Dec. 23; Serial No. 193,212; published Oct. 7, 1924.
- Burrows, Claire H., doing business as Grandma's Pie Crust Co., Hollywood, Los Angeles, Calif. Material used in making pies. 193,261; Dec. 23; Serial No. 200,431; published Oct. 14, 1924.
- C. M. S., Inc., Tarrytown, N. Y. Electrical heating apparatus. 193,285; Dec. 23; Serial No. 198,986; published Sept. 30, 1924.
- California By-Products Co., San Francisco, Calif. Tennis-racket strings. 193,323; Dec. 23; Serial No. 199,462; published Oct. 14, 1924.
- California By-Products Co., San Francisco, Calif. Tennis-racket strings. 193,324; Dec. 23; Serial No. 199,346; published Oct. 14, 1924.
- Capstone Manufacturing Co., Newark, N. J. Lubricating oils. 193,338; Dec. 23; Serial No. 183,644; published Oct. 14, 1924.
- Cliff, Jabez, & Company Limited, Walsall, England. Football covers. 193,322; Dec. 23; Serial No. 199,555; published Oct. 14, 1924.
- Coen Cola Bottling Company of Los Angeles, Los Angeles, Calif. Beverages, sirups, extracts, etc. 193,310; Dec. 23; Serial No. 201,543; published Oct. 14, 1924.
- Colonial Brass Company, Middleboro, Mass. Antenna wire. 193,209; Dec. 23; Serial No. 200,863; published Oct. 7, 1924.
- Columbia Mills, Incorporated, The, New York, N. Y. Window shades. 193,365; Dec. 23.
- Columbia Phonograph Company, Bridgeport, Conn. Phonograph apparatus for recording and reproducing sounds, etc. 193,184; Dec. 23; Serial No. 189,302; published Oct. 14, 1924.
- Columbia Wax Works, Woodhaven, N. Y. Wax candles. 193,334; Dec. 23; Serial No. 191,474; published Oct. 14, 1924.
- Conlon Corporation, Cicero, Ill. Electric clothes washers. 193,269; Dec. 23; Serial No. 200,750; published Sept. 30, 1924.
- Connecticut Automotive Specialties Co., The, Bridgeport, Conn. Electric cigar lighters. 193,274; Dec. 23; Serial No. 197,855; published Sept. 2, 1924.
- Cookeville Overall Manufacturing Company, Incorporated, Cookeville, Tenn. Overalls, coats, suits, and shirts. 193,259; Dec. 23; Serial No. 199,975; published Oct. 7, 1924.
- Craft Company, The, Indianapolis, Ind. Finger rings, ornamental buttons, badges, emblems, medals, charms, fobs, earrings. 193,272; Dec. 23; Serial No. 197,802; published Oct. 14, 1924.
- Cuyler, O. W., doing business as The Cuyler Packing Corporation, Modeltown, N. Y. Canned vegetables. 193,280; Dec. 23; Serial No. 198,624; published Aug. 5, 1924.
- Cuyler Packing Corporation, The, Modeltown, N. Y. Canned vegetables and fruits. 193,281; Dec. 23; Serial No. 198,625; published Aug. 5, 1924.
- Danziger-Jones, Inc., New York, N. Y. Resistances for radio receiving and other circuits. 193,289; Dec. 23; Serial No. 199,153; published Sept. 30, 1924.
- Davis, H. B., Company, Baltimore, Md. Ready-mixed paints. 193,335; Dec. 23; Serial No. 191,370; published Oct. 14, 1924.
- Dayton Nut Products Company, The, Dayton, Ohio. Raw and salted nuts. 193,278; Dec. 23; Serial No. 198,508; published Oct. 14, 1924.
- Depolier Watch Company, Inc., Brooklyn, N. Y. Watches. 193,176; Dec. 23; Serial No. 182,402; published Oct. 7, 1924.
- Dickinson, Francis J., doing business as F. J. Dickinson & Sons, Freeport, Ill. Fountain sirups and carbonated and uncarbonated drinks. 193,306; Dec. 23; Serial No. 202,100; published Oct. 14, 1924.
- Duplex Engine Governor Company, Inc., New York, N. Y. Radio apparatus. 193,273; Dec. 23; Serial No. 197,804; published Oct. 7, 1924.
- Edison Orange Growers Association, Edison, Calif. Oranges, grapefruit, and lemons. 193,260; Dec. 23; Serial No. 200,386; published Oct. 14, 1924.
- Electrad Corporation of America, New York, N. Y. Radio equipment and parts thereof. 193,179; Dec. 23; Serial No. 182,852; published Oct. 7, 1924.
- Ellison, John B., & Sons, Philadelphia, Pa. Serge in the piece. 193,362; Dec. 23.
- Empire Paper Company, Chicago, Ill. Writing paper. 193,342-3; Dec. 23.
- Engle, William B., South Pasadena, Calif. Dried-fruit and nut combination. 193,168; Dec. 23; Serial No. 153,654; published Oct. 14, 1924.
- Epstein, H. & L., Inc., St. Louis, Mo. Topcoats and raincoats. 193,183; Dec. 23; Serial No. 188,671; published Oct. 7, 1924.
- Fabrique Mimo. (See Mimo Watch Co.)
- Famous Textile Co., Inc., New York, N. Y. Knitted underwear, blouses, bathing suits, etc. 193,296; Dec. 23; Serial No. 199,614; published Oct. 7, 1924.
- Feldhusen, Carl, Boise, Idaho. Dried-starch mixture for baking purposes. 193,263; Dec. 23; Serial No. 200,484; published Oct. 7, 1924.
- Folly Town Company, The, Chicago, Ill. Candy. 193,275; Dec. 23; Serial No. 198,405; published Oct. 14, 1924.
- Forstmann & Hufmann Company, Passaic, N. J. Woolen piece goods. 193,198-9; Dec. 23; Serial Nos. 201,494-5; published Oct. 14, 1924.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Magnetos, spark plugs, electrical switches, etc. 193,239; Dec. 23; Serial No. 193,223; published Oct. 7, 1924.

Frey, L. A., & Sons, Inc., New Orleans, La. Ham, bacon, and sausage. 193,171; Dec. 23; Serial No. 164,537; published Oct. 14, 1924.

Globe Lighting Fixture Mfg. Company, New York, N. Y. Electric-lighting fixtures and parts thereof. 193,257; Dec. 23; Serial No. 200,252; published Sept. 23, 1924.

Gold Seal Jewelers, New York, N. Y. Mesh bags. 193,361; Dec. 23.

Goldie, Louisa M., doing business as Goldie, Wade & Goldie, Mansfield, England. Hose and half hose. 193,287; Dec. 23; Serial No. 199,111; published Sept. 30, 1924.

Gott-Evans Co., Inc., New York, N. Y. Strings for violins and similar musical instruments. 193,264; Dec. 23; Serial No. 200,491; published Sept. 30, 1924.

Goodman American Ice Cream Company, Chicago, Ill. Ginger ale and root beer. 193,326; Dec. 23; Serial No. 198,519; published Oct. 14, 1924.

Gorham Manufacturing Company, Providence, R. I. Electric lamps and electroliners. 193,167; Dec. 23; Serial No. 152,247; published Sept. 30, 1924.

Groyer Company, The, Greenville, Miss. Coffee. 193,270; Dec. 23; Serial No. 196,864; published Oct. 14, 1924.

Graef et Cie. (See Mimo Watch Co.)

Grandma's Pie Crust Co. (See Burrows, Claire H.)

Great Northern Manufacturing Company, Minneapolis, Minn. Toy motor cycles, scooters, wagons, and cars. 193,337; Dec. 23; Serial No. 188,901; published Oct. 14, 1924.

Greenspot Citrus Association, Mentone, Calif. Oranges, lemons, and grapefruit. 193,327; Dec. 23; Serial No. 198,134; published Oct. 14, 1924.

Gross, L. N., Company, The, Cleveland, Ohio. Wash dresses, aprons, and house dresses. 193,248; Dec. 23; Serial No. 196,243; published Oct. 7, 1924.

Grosvenor, Jonathan P., Watertown, N. Y. Parlor board games. 193,317; Dec. 23; Serial No. 200,392; published Oct. 14, 1924.

Gruen Watch Company, The, Cincinnati, Ohio. Watchcases, watches, and parts thereof. 193,206; Dec. 23; Serial No. 200,761; published Sept. 30, 1924.

Grumbacher, Max, New York, N. Y. Artists' brushes. 193,358; Dec. 23.

H. K. H. Silk Co., The, Watertown, Conn. Silk threads. 193,344; Dec. 23.

Halcyon Insulator Company. (See London, Isador.)

Heller, L., & Son, Inc., New York, N. Y. Pearls. 193,363; Dec. 23.

Highway Auto Accessories Co., The. (See Banghart, George E.)

Hobner, M., Inc., New York, N. Y. Mouth harmonicas. 193,212-20; Dec. 23; Serial Nos. 200,937-45; published Oct. 7, 1924.

Home Supply Co. (See Morris, Lewis.)

Hope Webbing Company, Pawtucket and Providence, R. I. Radio antenna. 193,225; Dec. 23; Serial No. 201,085; published Oct. 14, 1924.

Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish and dried fruits. 193,240; Dec. 23; Serial No. 193,769; published Oct. 14, 1924.

Hut Neckwear Company, Inc., The, New York, N. Y. Men's cravats. 193,196; Dec. 23; Serial No. 201,450; published Oct. 7, 1924.

Incandescent Supply Company, New York, N. Y. Electric fixtures. 193,297; Dec. 23; Serial No. 199,625; published Sept. 2, 1924.

Ingraham, E., Company, The, Bristol, Conn. Clocks. 193,266; Dec. 23; Serial No. 200,560; published Sept. 30, 1924.

International Auto Equipment Co., Inc., Brooklyn, N. Y. Windshield cleaners. 193,321; Dec. 23; Serial No. 199,627; published Oct. 14, 1924.

Jacobson Brothers, Pittsburgh, Pa. Men's dress pants and trousers. 193,301; Dec. 23; Serial No. 199,702; published Oct. 7, 1924.

Jansen & Pretzfeld, Inc., New York, N. Y. Silks in the piece. 193,355; Dec. 23.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 193,298; Dec. 23; Serial No. 199,628; published Sept. 30, 1924.

Kaase Company, The, Akron, Barberton, Massillon, and Canton, Ohio. Bread, rolls, pies, cakes, etc. 193,367; Dec. 23.

Kaase, Richard W., Company, The, Cleveland, Ohio. Cake, pies, French pastries, etc. 193,364; Dec. 23.

Kaustine Company, Inc., Buffalo, N. Y. Garbage cans. 193,312; Dec. 23; Serial No. 201,349; published Oct. 14, 1924.

Killark Elec. Mfg. Co., St. Louis, Mo. Transformers. 193,267; Dec. 23; Serial No. 200,561; published Sept. 30, 1924.

Killian, W. H., Co., The, Baltimore, Md. Canned vegetables. 193,282; Dec. 23; Serial No. 198,805; published Sept. 23, 1924.

Klein, Joseph, Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Birch beer, cream soda, lemon soda, etc. 193,314; Dec. 23; Serial No. 200,625; published Oct. 14, 1924.

Klein, Joseph, Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Aerated distilled water for drinking purposes and distilled water for electric storage batteries. 193,315; Dec. 23; Serial No. 200,624; published Oct. 14, 1924.

Klein, Joseph, Jr., doing business as Oriental Bottling Works, Harrison, N. Y. Birch beer, cream soda, lemon soda, etc. 193,316; Dec. 23; Serial No. 200,623; published Oct. 14, 1924.

Kramer Hatchery Company, The, Fairmont, Minn. Baby chicks. 193,222; Dec. 23; Serial No. 200,992; published Oct. 14, 1924.

Kraunert, Victor L., doing business as Mallard Products Company, Anderson, Ind. Shipping container. 193,311; Dec. 23; Serial No. 201,456; published Oct. 14, 1924.

Kunin-Solomon, Inc., New York, N. Y. Underwear. 193,279; Dec. 23; Serial No. 198,528; published Sept. 30, 1924.

Lavick, S. B., Co., Chicago, Ill. Gold-plated collar buttons. 193,247; Dec. 23; Serial No. 195,696; published Sept. 2, 1924.

Lavy, Chs., & Co., Hamburg, Germany. Hats, caps, boots, shoes, etc. 193,229; Dec. 23; Serial No. 191,326; published Oct. 7, 1924.

Lavy, Chs., & Co., Hamburg, Germany. Hats, caps, boots, etc. 193,231; Dec. 23; Serial No. 191,631; published Oct. 7, 1924.

Lawrence, W. W., & Company, Pittsburgh, Pa. Varnish stain. 193,192; Dec. 23; Serial No. 201,352; published Oct. 14, 1924.

Lawrence, W. W., & Company, Pittsburgh, Pa. Paint and varnish removers. 193,193; Dec. 23; Serial No. 201,353; published Oct. 14, 1924.

Leblond-Goldsmith Co., Inc., New York, N. Y. Women's, misses', and children's coats, suits, dresses, etc. 193,253; Dec. 23; Serial No. 200,049; published Oct. 7, 1924.

Leslie, Wayne R., doing business as The W. L. Roberts Laboratories, Pittsburgh, Pa. Ointment. 193,331; Dec. 23; Serial No. 195,232; published June 24, 1924.

Lewis, Mears Company, Boston, Mass. Eggs. 193,208; Dec. 23; Serial No. 200,823; published Oct. 7, 1924.

Liebman, Chas. H., & Bro., Philadelphia, Pa. Men's suits and overcoats. 193,259; Dec. 23; Serial No. 200,362; published Oct. 7, 1924.

Liles, R. B., Grain Company, The, Colorado Springs, Colo. Egg mass and hen scratch feeds. 193,210; Dec. 23; Serial No. 200,888; published Oct. 7, 1924.

London, Isador, doing business as Halcyon Insulator Company, New York, N. Y. Capacity bridges, midget and by-pass condensers. 193,252; Dec. 23; Serial No. 200,108; published Sept. 23, 1924.

Luce, Leroy W., Vineyard Haven, Mass. Candy. 193,223; Dec. 23; Serial No. 201,003; published Oct. 14, 1924.

Luther, Morris H., Cincinnati, Ohio. Ointment for skin diseases. 193,239; Dec. 23; Serial No. 199,035; published Sept. 2, 1924.

M & P Corset Co., The, Derby, Conn. Corsets, corsettes, combinettes, and brassieres. 193,234; Dec. 23; Serial No. 192,495; published Sept. 16, 1924.

Magnavox Co., The, Oakland, Calif. Vacuum tubes. 193,292-3; Dec. 23; Serial Nos. 199,365-6; published Sept. 2, 1924.

Mallard Products Company. (See Kraunert, Victor L.)

Manufacture Internationale Montres Or. (See Mimo Watch Co.)

McDaniel, Robert, Los Angeles, Calif. Cigars, cigarettes, tobacco. 193,319; Dec. 23; Serial No. 200,270; published Oct. 14, 1924.

McGann, William, Detroit, Mich. Malt sirup. 193,329; Dec. 23; Serial No. 197,035; published Oct. 14, 1923.

Merkle Broom Co., Paris, Ill. Brooms. 193,308; Dec. 23; Serial No. 201,994; published Oct. 14, 1924.

Mesh, Rosa, doing business as Mesh Singing Machine Company, Cincinnati, Ohio. Phonographs. 193,166; Dec. 23; Serial No. 159,075; published Sept. 30, 1924.

Mid-West Metal Products Co., Muncie, Ind. Outlet-box hangers. 193,347; Dec. 23.

Milder-Hryant-Pierce Company, The, Aurora, Ill. Carbon papers. 193,262; Dec. 23; Serial No. 200,457; published Sept. 30, 1924.

Mimo Watch Co., doing business as Manufacture Internationale Montres Or, Graef et Cie., and Fabrique Mimo, La Chaux-de-Fonds, Switzerland. Watches, watchcases, watch movements, and parts thereof. 193,276; Dec. 23; Serial No. 198,418; published Sept. 2, 1924.

Morris, Lewis, doing business as Home Supply Co., Evansville, Ind. Extract malt and hops. 193,345; Dec. 23.

Munro, Harold W., Providence, R. I. Pins, emblems, finger rings, etc. 193,291; Dec. 23; Serial No. 199,289; published Sept. 30, 1924.

Mussel, C. J., doing business as Mussel & Westphal, Fort Atkinson, Wis. Musical saws. 193,357; Dec. 23.

Myers Paper Company, Memphis, Tenn. Wrapping and toilet paper, envelopes, paper napkins, and stencil board. 193,366; Dec. 23.

Nachman-Springfield Company, Chicago, Ill. Spring cushion constructions. 193,368; Dec. 23.

Nequette Orange Circle Co., Arlington, Calif. Orange preserves. 193,203; Dec. 23; Serial No. 202,075; published Oct. 14, 1924.

Nicholls Grain & Milling Co., Los Angeles, Calif. Livestock feeds, cereals, flours. 193,303; Dec. 23; Serial No. 199,758; published Sept. 30, 1924.

North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Wheat flour. 193,246; Dec. 23; Serial No. 195,590; published Oct. 14, 1924.

North Platte Flour Mills, North Platte, Nebr. Wheat flour. 193,190; Dec. 23; Serial No. 201,252; published Oct. 14, 1924.

Old Fashioned Millers, Inc., St. Paul, Minn. Wheat cereal. 193,174; Dec. 23; Serial No. 179,881; published Oct. 7, 1924.

Olney & Floyd, Westernville, N. Y. Canned fruits and vegetables. 193,271; Dec. 23; Serial No. 197,216; published Oct. 14, 1924.

Olympia Canning Company, Olympia, Wash. Canned fruits. 193,235; Dec. 23; Serial No. 192,417; published Oct. 14, 1924.

"Onyx" Hosiery Inc., New York, N. Y. Underhose. 193,294; Dec. 23; Serial No. 199,568; published Sept. 30, 1924.

Oppenheim, Oberndorf & Co., Inc., doing business as The Sealpak Company, Baltimore, Md. Clothing. 193,300; Dec. 23; Serial No. 199,644; published Oct. 7, 1924.

Oriental Bottling Works. (See Klein, Joseph, Jr.)

Palmer Candy Co., Sioux City, Iowa. Candy. 193,165; Dec. 23; Serial No. 147,121; published Sept. 30, 1924.

Patrick County Virginia Fairy Stone Co., Inc., Richmond, Va. Jewelry. 193,173; Dec. 23; Serial No. 177,799; published Sept. 2, 1924.

Peerless Radio Corporation, Wellesley and Newton Lower Falls, Mass. Transformers, radio receiving and sending sets, etc. 193,305; Dec. 23; Serial No. 199,899; published Sept. 2, 1924.

Pennsylvania Chocolate Company, Pittsburgh, Pa. Chocolate, chocolate coating, chocolate liquor, etc. 193,340; Dec. 23; Serial No. 159,529; published Oct. 14, 1924.

Pep-Tone Corporation of America, The, Tampa, Fla. Beverage and sirups for making same. 193,309; Dec. 23; Serial No. 201,714; published Oct. 14, 1924.

Pillsbury Flour Mills Company, Minneapolis, Minn. Cereal foods. 193,188; Dec. 23; Serial No. 201,205; published Oct. 14, 1924.

Plaza Music Co., New York, N. Y. Phonograph records and books therefor. 193,221; Dec. 23; Serial No. 200,960; published Oct. 7, 1924.

Pond, E. K., Company, Chicago, Ill. Pickled pigs' feet. 193,265; Dec. 23; Serial No. 200,521; published Oct. 14, 1924.

Press, Wells H., Company, Inc., Streator, Ill. Clothes or laundry washing machines. 193,181; Dec. 23; Serial No. 185,794; published Sept. 30, 1924.

Red Fox Orchards, Orange, Calif. Oranges. 193,204; Dec. 23; Serial No. 202,143; published Oct. 14, 1924.

Ribner & Wachus, Philadelphia, Pa. Women's skirts and dresses. 193,233; Dec. 23; Serial No. 192,087; published Oct. 7, 1924.

Roberts, W. L., Laboratories, The. (See Leslie, Wayne R.)

Rogerson, Wallace M., Chicago, Ill. Bread. 193,178; Dec. 23; Serial No. 182,720; published Oct. 14, 1924.

Rohdick, John, New York, N. Y. Ice and roller skates. 193,325; Dec. 23; Serial No. 199,129; published Oct. 14, 1924.

Rosenberg, Morris S., New York, N. Y. Bracelets, finger rings, watch chains, etc. 193,180; Dec. 23; Serial No. 184,215; published Sept. 2, 1924.

Russell, Renouf, Keene, N. H. Milk, cream, etc. 193,268; Dec. 23; Serial No. 200,644; published Oct. 7, 1924.

Sarafian, Sarkis, doing business as Sarafian Sahag Record Co., New York, N. Y. Phonograph records. 193,230; Dec. 23; Serial No. 191,575; published Sept. 2, 1924.

Sattels, Joseph T., doing business as Uncle Sam Electric Company, Plainfield, N. J. Induction coils. 193,283-4; Dec. 23; Serial Nos. 198,887-8; published Sept. 2, 1924.

Schuckl & Co., Inc., San Francisco, Calif. Canned fruits. 193,202; Dec. 23; Serial No. 202,036; published Oct. 14, 1924.

Schulz, M., Company, Chicago, Ill. Reproducing upright and grand pianos. 193,189; Dec. 23; Serial No. 201,212; published Oct. 7, 1924.

Schute, Frank, Sons, Philadelphia, Pa. Candy kisses. 193,352; Dec. 23.

Scott, Rufus W., Company, New York, N. Y. Hosiery. 193,295; Dec. 23; Serial No. 199,575; published Sept. 30, 1924.

Sealpak Company, The. (See Oppenheim, Oberndorf & Co.)

Semmel & Friedlander Inc., New York, N. Y. Dresses, coats, and suits for women. 193,243; Dec. 23; Serial No. 194,952; published Oct. 7, 1924.

Shapinsky, S., & Company, Louisville, Ky. Hosiery. 193,290; Dec. 23; Serial No. 199,189; published Sept. 30, 1924.

Shapleigh Hardware Company, St. Louis, Mo. Fishlines. 193,320; Dec. 23; Serial No. 199,807; published Oct. 14, 1924.

Sheaffer & Marvel, Philadelphia, Pa. Butter, eggs, cheese, and olive oil. 193,200; Dec. 23; Serial No. 201,513; published Oct. 14, 1924.

Shuchtr, T. M., & Co., Ltd., Cedar Rapids, Iowa. Butter. 193,194; Dec. 23; Serial No. 201,379; published Sept. 30, 1924.

Smithfield Company, Inc., The, Smithfield, Va. Hams. 193,224; Dec. 23; Serial No. 201,051; published Oct. 14, 1924.

Sociedad Anonima "E. R. A." Madrid, Spain. Perforated rolls for player pianos, etc. 193,175; Dec. 23; Serial No. 182,017; published Sept. 30, 1924.

Standard Pyroloxoid Corporation, Leominster, Mass. Hair, tooth, and clothes brushes. 193,318; Dec. 23; Serial No. 200,291; published Oct. 14, 1924.

State Mill and Elevator. (See North Dakota Mill and Elevator Association.)

Strombeck-Becker Manufacturing Co., Moline, Ill. Toy blocks. 193,313; Dec. 23; Serial No. 200,535; published Oct. 14, 1924.

Sturdy's, J. F., Sons Co., Attleboro Falls, Mass. Cuff links and buttons. 193,360; Dec. 23.

Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins and fruit. 193,185; Dec. 23; Serial No. 201,110; published Oct. 14, 1924.

Sunny South Grain Company, Birmingham, Ala. Livestock and dairy feeds. 193,197; Dec. 23; Serial No. 201,472; published Oct. 7, 1924.

Swift and Company, Chicago, Ill. Sausage. 193,207; Dec. 23; Serial No. 200,787; published Oct. 14, 1924.

Ternstedt Manufacturing Company, Detroit, Mich. Automobile dome lights and corner lights. 193,254; Dec. 23; Serial No. 200,162; published Oct. 7, 1924.

Texas Star Flour Mills, Galveston, Tex., and New York, N. Y. Wheat flour, bran, shorts, corn meal, etc. 193,170; Dec. 23; Serial No. 157,699; published Sept. 30, 1924.

Twinn Dry Cell Battery Company, The, Cleveland, Ohio. Electric batteries. 193,251; Dec. 23; Serial No. 200,022; published Sept. 23, 1924.

Uncle Sam Electric Company. (See Sattels, Joseph T.)

Verdi & Rossini Music House, New York, N. Y. Pianos, player pianos, phonographs, etc. 193,186; Dec. 23; Serial No. 201,165; published Oct. 7, 1924.

Vernor, James, Company, Detroit, Mich. Beverages sold as soft drinks. 193,341; Dec. 23.

Viking Oil Products Company, Charleston, W. Va. Gasoline. 193,332; Dec. 23; Serial No. 194,962; published Oct. 14, 1924.

Walpert, Fred, & Co., Baltimore, Md. Mattresses. 193,346; Dec. 23.

Washburn Crosby Company, Minneapolis, Minn. Stock feed. 193,228; Dec. 23; Serial No. 191,109; published Oct. 14, 1924.

Weldlich Bros. Mfg. Co., The, Bridgeport, Conn. Gold and silver plated tableware, hollow ware, and metal-plated articles. 193,182; Dec. 23; Serial No. 187,785; published July 22, 1924.

Weller, Jason, & Sons, Boston, Mass. Finger rings. 193,211; Dec. 23; Serial No. 200,914; published Oct. 7, 1924.

Weiss & Zahler, New York, N. Y. Mufflers. 193,304; Dec. 23; Serial No. 199,813; published Oct. 7, 1924.

Westgate Metal Products Co., Oakland, Calif. Electric stoves, ranges, cookers, and motors; air and water heaters. 193,172; Dec. 23; Serial No. 176,587; published Oct. 7, 1924.

Whelan Corporation, Philadelphia, Pa. Talking-machine records. 193,201; Dec. 23; Serial No. 201,727; published Oct. 7, 1924.

White, H. N., Company, The, Cleveland, Ohio. Wind instruments. 193,187; Dec. 23; Serial No. 201,168; published Oct. 7, 1924.

Wile, E. J., and Company, New York, N. Y. Ladies' cloaks, coats, suits, dresses, and skirts. 193,241; Dec. 23; Serial No. 194,093; published Oct. 7, 1924.

Willey Co., Inc., The, Philadelphia, Pa. Clothes-ironing calendars. 193,242; Dec. 23; Serial No. 194,762; published Sept. 2, 1924.

Williams, R. C., & Company, Inc., New York, N. Y. Cider, ginger ale, grape juice, root beer. 193,244; Dec. 23; Serial No. 195,251; published Oct. 14, 1924.

Winer, Alex., doing business as The Bee Line Manufacturing Company, Veedersburg, Ind. Pants, overalls, and coats. 193,255; Dec. 23; Serial No. 200,163; published Oct. 7, 1924.

Young, Thomas, Inc., New York, N. Y. Irish-linen scarfs, table covers, napkins, and doilies. 193,353; Dec. 23.

Young, Thomas, Inc., New York, N. Y. Irish-linen handkerchief squares. 193,354; Dec. 23.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Novelty Works, Herndon, Pa. Star Building Blocks. For a Container for Building Blocks. 27,936; Dec. 23.
Bardell, J. C., doing business as Bardell Art Printing Co., San Francisco, Calif. Souvenir Pictures. For Container for Miniature Post Cards. 27,937; Dec. 23.
Beaver Canning Company, Beaver Dam, Wis. Green Pod Brand. For Canned Peas. 27,938; Dec. 23.
Blacher Brothers, Providence, R. I. Blacher Novelty Jewelry. For Jewelry. 27,939; Dec. 23.
Chipman Knitting Mills, Easton, Pa. Bargain Brand. For Hosiery. 27,940; Dec. 23.
Clicquot Club Company, The, Mills, Mass. Clicquot Club Pale Dry. For Ginger Ale. 27,941; Dec. 23.
Collins County Mill & Elevator Co., McKinney, Tex. White Gold Flour. For Flour. 27,942; Dec. 23.
Consolidated Specialties Company, New Bedford, Mass. Go-Speco Glass Cleaner. For Cleaning Fluid. 27,943; Dec. 23.
Corby Baking Co., Inc., The, Washington, D. C. Koko. For Bread. 27,944; Dec. 23.
Countryman, W. H., Middletown, Ohio. Countryman Quinine Hair Tonic De Luxe. For Quinine Hair Tonic. 27,945; Dec. 23.
Dastin, Abraham, New York, N. Y. Flor De Dastine. For Cigars. 27,946; Dec. 23.
Franco-Italian Packing Co., Inc., East San Pedro, Calif. Bellomar. For Canned Tunny Fish. 27,947; Dec. 23.
Gatlin Laboratories, Minneapolis, Minn. Egyptol (Egyptian Oil). For Medicinal Product for the Relief of Rheumatism and Muscular Pains. 27,948; Dec. 23.
Glenby's, S. Sons Co., Inc., New York, N. Y. Lorraine Silk Net. For Hair Nets. 27,949; Dec. 23.
Glenby's, S. Sons Co., Inc., New York, N. Y. Regina Silk Net. For Hair Nets. 27,950; Dec. 23.
Glenby's, S. Sons Co., Inc., New York, N. Y. Jean Silk Net. For Hair Nets. 27,951; Dec. 23.
Henschel, C. B., Mfg. Co., Milwaukee, Wis. La Vina. For Cigars. 27,952; Dec. 23.
Hogle Products Co., Pittsburgh, Pa. Hogle All In One Powder. For Packages Containing a Washing and Cleaning Powder. 27,953; Dec. 23.
Jullaetta Cherry Growers Association, Jullaetta, Idaho. Jullaetta. For Fresh Cherries. 27,954; Dec. 23.
Kellogg Company, Battle Creek, Mich. All-Bran. For Cereal Breakfast Food. 27,955; Dec. 23.
Kloro Klenz Co., The, Chicago, Ill. Kloro Klenz. For Sanitary Cleaning Compounds. 27,956; Dec. 23.
Manas, Kalman, doing business as Manas's Malted Milk Co., New York, N. Y. Manas's Maltmilk. For Malted Milk. 27,957; Dec. 23.

Milani, Louis, Chicago, Ill. Milani's Worlds Best French Salad Dressing. For French Salad Dressing. 27,958; Dec. 23.
Milwaukee Paper Box Company, Milwaukee, Wis. Sweet Paints for Summer. For Candy. 27,959; Dec. 23.
Monarch Manufacturing Company, Atlanta, Ga. Cascade Ginger Ale. For Ginger Ale. 27,960; Dec. 23.
National Carbon Company, Inc., New York, N. Y. National Photographic White Flame Cored Carbons. For Electric Light Carbons. 27,961; Dec. 23.
National Carbon Company, Inc., New York, N. Y. National Solid Yellow Flame Carbons. For Electric Light Carbons. 27,962; Dec. 23.
National Carbon Company, Inc., New York, N. Y. National Silver Tip Inclined Feed Flame Carbons. For Electric Light Carbons. 27,963; Dec. 23.
National Carbon Company, Inc., New York, N. Y. National Welding Carbon Products. For Carbon Products for Welding. 27,964; Dec. 23.
National Carbon Company, Inc., New York, N. Y. National Welding Carbon Paste. For Carbon Paste for Welding. 27,965; Dec. 23.
Noble and Noble, New York, N. Y. Dicky Dicky Dock. For the Cover of a Game Box. 27,966; Dec. 23.
Noble and Noble, New York, N. Y. My Children's Lotto Game. For the Cover of a Game Box. 27,967; Dec. 23.
Polly-O Company, Montebello, Calif. Polly-O. For Polish. 27,968; Dec. 23.
Quality Bakery, Henryetta, Okla. True Milk. For Bread. 27,969; Dec. 23.
Red Gum Products Company, San Francisco, Calif. Regum. For Dentifrices. 27,970; Dec. 23.
Roblin Demerath Co., Inc., Rochester, N. Y. Buy a Unley Extra. For Packages of Marshmallows. 27,971; Dec. 23.
Rosedor Cigarette Co., Inc., New York, N. Y. Salome. For Cigarettes. 27,972; Dec. 23.
Sobel, Adolf, New York, N. Y. La Mesilla. For Cigars. 27,973; Dec. 23.
Wallace Milling Company, Huntingburg, Ind. White Way. For Wheat Flour. 27,974; Dec. 23.
Waxide Paper Company, Kansas City, Mo. Raisin. For Bread. 27,975; Dec. 23.
Weinhagen, Chas., & Co., St. Paul, Minn. Assorted Chocolates (Mother's Day—Carnation Design). For Candy. 27,976; Dec. 23.
Weinhagen, Chas., & Co., St. Paul, Minn. Assorted Chocolates (Mother's Day—Rose Design). For Candy. 27,977; Dec. 23.
Wright, Richard B., Central Islip, N. Y. Wright's Powder Not a Poison Kills Rats and Mice. For a Powder for Exterminating Rats and Mice. 27,978; Dec. 23.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. Venus Copying Pencils C 51. For Pencils. 7,623; Dec. 23.
Cluett, Peabody & Company, Inc., Troy, N. Y. Dart an Arrow Collar. For Collars. 7,624; Dec. 23.
Corn-Off Co., Los Angeles, Calif. Corn-Off. For Corn Remedy. 7,625; Dec. 23.
Delson, H. Jay, Chicago, Ill. Try This Snag Test. For Men's and Boys' Clothing. 7,626; Dec. 23.
Delson, H. Jay, Chicago, Ill. Try This Water Test. For Men's and Boys' Clothing. 7,627; Dec. 23.
Du Pont, E. I., de Nemours, and Company, Wilmington, Del. Du Pont Prescription Paint Service. For Paint. 7,628; Dec. 23.
Economy Clothing Manufacturing Company, Chicago, Ill. Ironcloth. For Boys Clothing. 7,629-30; Dec. 23.
Famous Textile Co., Inc., New York, N. Y. Sheer Beauty. For Silk Stockings. 7,631; Dec. 23.
Heinz, H. J., Company, Pittsburgh, Pa. Scene at Cape-town, South Africa. For Heinz 57 Variegates. 7,632; Dec. 23.

Jell-O Company, Inc., The, Le Roy, N. Y. Giro Orange Jell-O. For Jell-O, a Dessert Preparation. 7,633; Dec. 23.
Jell-O Company, Inc., The, Le Roy, N. Y. The Three Bears. For Jell-O, a Dessert Preparation. 7,634; Dec. 23.
Jorgens, Andrew, Co., The, Cincinnati, Ohio. Castolay The Modern Castle Soap. For Soap. 7,635; Dec. 23.
Mueller, George J., Inc., Washington, D. C. Menthol Honey Cough Drops. For Candy. 7,636; Dec. 23.
Mulholland, John H., Co., The, Philadelphia, Pa. Ribboned Ice Cream. For Ice Cream. 7,637; Dec. 23.
Scholl Manufacturing Company, Inc., The, Chicago, Ill. Corns stop hurting in one minute! For Dr. Scholl's Zino-Pads. 7,638; Dec. 23.
Schreiber Products Corp., Buffalo, N. Y. Ah! That's Coffee! Manru Coffee. For Coffee. 7,639; Dec. 23.
Wallace Pencil Co., St. Louis, Mo. Wallace Pencils with the Points that Please. For Pencils. 7,640; Dec. 23.
Williams Bros. Aircraft Corp., San Francisco, Calif. Williams Accelerator for Ford Cars. For Ford Car Accelerators. 7,641; Dec. 23.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott, A. Theo., & Co., Philadelphia, Pa. Textile fabric for decorative purposes. 202,788; Dec. 23.
Ackerman, Simon, Clothes, Inc., New York, N. Y. Men's suits and topcoats. 204,881-3; Dec. 23.
Adjustable Clamp Company, Chicago, Ill. Cabinet clamps. 191,661; Dec. 23.
American Crayon Company, The, Sandusky, Ohio. Chalk. 204,430; Dec. 23.
American Druggists Syndicate, Long Island City, N. Y. Perfumes, toilet waters, face cream, etc. 197,577; Dec. 23.
American Lady Corset Co., Detroit, Mich. Corsets, corset waist, brassieres, etc. 204,885; Dec. 23.
American Oil Burner Corporation, New York, N. Y. Oil burners. 187,240; Dec. 23.
American Pile Fabric Company, Frankford, Philadelphia, Pa. Mohair plushes for upholstery and furniture trunks. 204,214; Dec. 23.
American Printing Company, Fall River, Mass., doing business as M. C. D. Borden & Sons, Inc., New York, N. Y. Cotton piece goods. 201,479-80; Dec. 23.
Anderson, S. Theo., Corporation, Chicago, Ill. Covers for protecting horses, mules, and cattle against flies. 197,352; Dec. 23.
Arnold Bros., Inc., Chicago, Ill. Sausage. 196,996; Dec. 23.
Asotin Roller Mills, The. (See Vollmer-Clearwater Co.) Automatic Electric Company, Chicago, Ill. Automatic telephone systems. 203,664; Dec. 23.
Baldwin, George E., doing business as Kwen Company, Seattle, Wash. Srup used in the preparation of soft drinks. 204,809; Dec. 23.
Bankers Discount Corporation, Astoria, Oreg. Canned salmon. 192,813; Dec. 23.
Barbour Flax Spinning Co., Paterson, N. J. Linen thread. 185,949; Dec. 23.
Battle Creek Food Company, The, Battle Creek, Mich. Laxative. 204,850; Dec. 23.
Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods. 198,448; Dec. 23.
Belmont Hosiery Company, Belmont, N. H. Hosiery. 204,692; Dec. 23.
Benedict-Pollak & Company, Jacksonville, Fla. Underwear and hosiery. 204,746; Dec. 23.
Bird, John, doing business as Noenrb Mfg. Co., Camden, Me. Device attached to the intake manifold on internal-combustion engines for carrying chemicals, the fumes from which prevent the deposit of carbon. 203,786; Dec. 23.
Blake, Moffitt & Towne, San Francisco, Calif. Cartons and containers, paper boxes, and plates, etc. 197,528; Dec. 23.
Blue Mountain Chocolate Co., Inc., Cascade, Md. Candy, particularly milk-chocolate bars. 202,319; Dec. 23.
Bond Foundry and Machine Company, Mannheim, Pa. Truck casters. 203,713; Dec. 23.
Bonine, Charles E., Philadelphia, Pa. Grid leaks. 203,666; Dec. 23.
Borden, M. C. D., & Sons, Inc. (See American Printing Company.)
Borgfeldt, Geo., & Co., New York, N. Y. Toilet preparations. 204,889; Dec. 23.
Bourjois, A., & Co., Inc., New York, N. Y. Toilet preparations. 193,382; Dec. 23.
Boyd-Richardson Co., St. Louis, Mo. Suits, coats, and other wearing apparel. 204,851; Dec. 23.
Burkhardt Company, Inc., The, Detroit, Mich. Binders, ledgers, and sheet holders. 204,087; Dec. 23.
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Chemical products. 204,892; Dec. 23.
Cabanis, Ricardo, San Antonio, Tex. Tonic for the nerves, blood, and heart. 204,655; Dec. 23.
Caldwell & Taylor, St. Bernard, Ohio. Motor fuel oils. 205,298; Dec. 23.
Campbell-Holton & Co., Bloomington, Ill. Prepared oats. 202,792; Dec. 23.
Canton Pharmaceutical Company, The, Canton, Ohio. Medicine for indigestion, gastritis, etc. 195,153; Dec. 23.
Chanel Inc., New York, N. Y. Toilet preparations. 205,468-9; Dec. 23.
Chapin & Gould Paper Company, Springfield, Mass. Writing and printing paper. 204,542; Dec. 23.
Chatfield Manufacturing Company, The, Cincinnati, Ohio. Shingles and roofing materials. 202,003; Dec. 23.
Cincinnati Art Publishing Company, The, Cincinnati, Ohio. Framed mottoes. 204,011; Dec. 23.
Cleveland Tanning Company, The, Cleveland, Ohio. Leathers. 204,501; Dec. 23.
Cleveland Wheelbarrow & Manufacturing Company, The, Garfield Heights, Cleveland, Ohio. Wheelbarrows, wheeled carts. 181,381; Dec. 23.

Crane, Z. & W. M., Inc., Dalton, Mass. Writing paper, envelopes, flat paper, and paperboards. 204,587; Dec. 23.
Dawson, Samuel R., Brooklyn, N. Y. Hardened copper and ingots and castings thereof. 168,874; Dec. 23.
De-Hy-Dro Sales Co. (See Maler, Alois.)
Delbon, Frank G., Brooklyn, N. Y. Leather shoes and shank stiffeners. 205,501-2; Dec. 23.
Dennie, Frank R., doing business as Jersee Company, Minneapolis, Minn. Egg mash. 201,743; Dec. 23.
Dennie, Frank R., doing business as Security Remedy Company, Minneapolis, Minn. Egg mash. 201,744; Dec. 23.
Dextora Company, Indianapolis, Ind. Baby food. 204,817-19; Dec. 23.
Di-Noc Manufacturing Company, The, Cleveland, Ohio. Transfer prints for window signs, etc. 186,420; Dec. 23.
Disston, Henry, & Sons, Incorporated, Tacoma, Philadelphia, Pa. Cigarette knives and bands. 203,404; Dec. 23.
E. A. K. Chemical Company. (See Flory, Isaac L.)
Earl & Wilson, Troy, N. Y. Men's negligee and dress shirts and collars. 205,114; Dec. 23.
Economy Electric Lantern Company, Chicago, Ill. Electric lanterns and batteries. 204,163; Dec. 23.
Endless Belt Corporation, New York, N. Y. Sheet cork, sheeted straw, and sheet silk for cigarette tips. 154,358; Dec. 23.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,810; Dec. 23.
Eshborn, Samuel, New York, N. Y. Sound boxes for phonographs. 198,629; Dec. 23.
Evason Manufacturing Company, Los Angeles, Calif. Combined lubricators, roller bearings, and shock absorbers for leaf springs. 203,262; Dec. 23.
Everhot Manufacturing Company, Maywood, Ill. Branding and soldering irons. 200,872; Dec. 23.
Farmer, Max D., Brooklyn, N. Y. Containers used for substances to impart the medicinal value of radioactive emanation. 198,343; Dec. 23.
Feldstein, Charles H., Company, Incorporated, Philadelphia, Pa. Hairecloth in the piece. 204,359; Dec. 23.
Fisher Flouring Mills Company, Seattle, Wash. Rolled oats. 199,683; Dec. 23.
Floor Waxer & Polisher Corp., New York, N. Y. Floor waxing and polishing machines. 204,312; Dec. 23.
Flory, Isaac L., doing business as E. A. K. Chemical Company, Elkhon, Va. Toilet preparation for the hair. 202,272; Dec. 23.
Fratelli Berio, Oneglia, Italy. Olive oil. 182,330; Dec. 23.
Froshman, Chas., Company, Incorporated, New York, N. Y. Radio receiving sets. 203,406; Dec. 23.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties, cravats, four-in-hand and bow ties. 204,823; Dec. 23.
Gallah, Philip, New York, N. Y. Silk piece goods. 204,229; Dec. 23.
Glendale Engineering Co., Glendale, Calif. Automobile brakes. 204,451; Dec. 23.
Goodlatte, T. H., & Sons, (Inc.), Delawanna, N. J. Oil-cloth. 204,961; Dec. 23.
Great Eastern Mfg. Co., Inc., The, Reading, Pa. Women's outer wear, dresses, lingerie, etc. 204,607; Dec. 23.
Grech, Wm., Co., Baltimore, Md. Canned vegetables. 199,692; Dec. 23.
Grennan Cake Corporation, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Cakes, cookies, fried cakes, doughnuts, bread, and rolls. 201,841; Dec. 23.
Grennan Cake Corporation, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Cakes, cookies, fried cakes, etc. 201,845; Dec. 23.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,107; Dec. 23.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,109-11; Dec. 23.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,113; Dec. 23.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,116-18; Dec. 23.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,124; Dec. 23.
Gulterman Bros., Inc., St. Paul, Minn. Hosiery. 204,707; Dec. 23.
Hammermill Paper Company, Erie, Pa. Bond writing paper. 204,160; Dec. 23.
Harcol Motion Picture Industries, Inc., New Orleans, La. Moving-picture films. 203,732; Dec. 23.
Healy, John J., Reno, Nev. Liniments. 202,664; Dec. 23.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Henckels, J. A., Inc., New York, N. Y. Scissors, knives, and razors. 204,456; Dec. 23.
Hildner, Frederick, Chicago, Ill. Canned fruits and vegetables. 202,113; Dec. 23.
Hosch Brothers Company, Gainesville, Ga. Cotton plaids, serge, and crepes, shirtings, wool serge, etc. 204,030; Dec. 23.
Hygrade Oil & Fuel Corporation, Buffalo, N. Y. Oils and greases. 201,135; Dec. 23.
Independent Breweries Company, The, St. Louis, Mo. Thole beverage or substitute for coffee and tea. 205,013; Dec. 23.
Independent Oil Men of America, Chicago, Ill. Fuel and lubricating oils. 202,666; Dec. 23.
Jersee Company. (See Dennie, Frank B.)
Kant-Rust Products Corporation, Rahway, N. J. Lubricant and corrosion-preventing paste. 204,099; Dec. 23.
Keen Kola Manufacturing Company, Dallas, Tex. Beverages and sirups for making the same. 204,175; Dec. 23.
Kennedy, Charles E., New Bedford, Mass. Windshield wipers. 202,017; Dec. 23.
Kilgore Mfg. Co., The, Westerville, Ohio. Ammunition, particularly paper cups for toy pistols. 186,913; Dec. 23.
Kraimer, Samuel, doing business as S. Kraimer & Co., Chicago, Ill. Millinery. 194,110; Dec. 23.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Tea. 202,124; Dec. 23.
Kwen Company. (See Baldwin, George E.)
Larkin Co., Inc., Buffalo, N. Y. Water-softener compound and chemical cleaner. 204,610; Dec. 23.
Laufer, Oswald, doing business as Silvolplate Company, New York, N. Y. Silver-plating compound. 204,612; Dec. 23.
Laurence Belting Company, Inc., New York, N. Y. Leather and cotton belting. 200,106-7; Dec. 23.
Lohn & Pink, Inc., New York, N. Y. Antiseptics. 203,072; Dec. 23.
Levi & Seligman, Inc., Brooklyn, N. Y. Knitted artificial-silk piece goods. 203,961; Dec. 23.
Links Hosiery Company, Inc., New York, N. Y. Hosiery and sweaters. 204,969; Dec. 23.
Maler, Alois, doing business as De-Hy-Dro Sales Co., Los Angeles, Calif. Perfumes, face powders and creams, toilet waters, etc. 204,917; Dec. 23.
Marczak, Kasimir T., Massena, N. Y. Frozen confections. 200,683; Dec. 23.
Marshall Field & Company, Chicago, Ill. Hair nets and dress linings. 197,266; Dec. 23.
Martinsburgh Co., The, Cohoes, N. Y. Liquid polish. 204,041; Dec. 23.
Marvellum Company, The, Holyoke, Mass. Cover paper. 203,963; Dec. 23.
Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof, short circuiters, and centrifugally-operated electric cut-outs. 186,848; Dec. 23.
Matteson, J. H., Oakdale, Calif. Poultry and stock foods. 204,465; Dec. 23.
Maxime Drug Co. (See Robins, Max.)
McCrory Stores Corporation, Wilmington, Del., and New York, N. Y. Hosiery. 204,970-1; Dec. 23.
McDonald, Joseph Z., doing business as The J. Z. McDonald Co., Stanberry, Mo. Mending cement. 204,861; Dec. 23.
McElhan Stores Company, New York, N. Y. Hosiery. 205,018; Dec. 23.
Mereness, Mrs. J., Los Angeles, Calif. Preparation for the treatment of bruised coxeyx. 203,479; Dec. 23.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Antiseptic and deodorant medicinal preparation. 204,920; Dec. 23.
Meyer, William, Kansas City, Mo. Remedy for the treatment of rupture, fallen arches, etc. 204,922; Dec. 23.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton and linen goods in the piece. 187,686; Dec. 23.
Milo Manufacturing Company, North Arlington, N. J. Loud speaker. 201,270; Dec. 23.
Minneapolis Electric Lamp Company, Minneapolis, Minn. Incandescent electric lamps. 204,168; Dec. 23.
Moench, George W., doing business as The West Co., Logan, Utah. Wheat flour, bread, and breakfast cereal. 157,329; Dec. 23.
Mutual Knitting Mills. (See Trabiley, Eugene N.)
National Carbon Company, Inc., New York, N. Y. Lighting carbons. 203,640; Dec. 23.
National Department Stores, Inc., New York, N. Y. Leather goods, bill folders, pocketbooks, and reticules. 200,507; Dec. 23.
National Knitting Company, Royersford, Pa. Union suits, vests, bloomers, and step-ins. 204,829; Dec. 23.
Neuburger & Co., Inc., New York, N. Y. Artificial-silk, silk, cotton, and woolen yarns. 203,384; Dec. 23.
Neustadt, Victor, New York, N. Y. Hops. 203,741-2; Dec. 23.
New Millinery Company, Fort Smith, Ark. Ladies' hats. 200,459; Dec. 23.
Nocarb Mfg. Co. (See Bird, John.)

North Bro's Mfg Co., Philadelphia, Pa. Ratchet-hand-tool handles, hand drills, screw drivers, etc. 204,369; Dec. 23.
Norton Bros. & Morris, Los Angeles, Calif. Men's shirts, underwear, neckties, and pyjamas. 204,624; Dec. 23.
Oppenheim & McEwan Co., Inc., Albany, N. Y. Canned vegetables and tomato catchup. 202,885; Dec. 23.
Pacific Adhesive Products Company. (See Uman, George L.)
Pacific Sea Foods Co., Hoquiam, Wash. Canned salmon. 204,782; Dec. 23.
Pencecock, Lovie E., West Blocton, Ala. Liquid medicinal preparation used for the relief of dyspepsia, etc. 191,446; Dec. 23.
Peanut Specialty Co., Chicago, Ill. Candies; coated, treated, or prepared nuts; nut meats, or fruits. 200,827; Dec. 23.
Perkins Glue Company, Landsdale, Pa. Starch glue material. 203,903; Dec. 23.
Ph. Zang Company, The, Denver, Colo. Malt cereal beverages. 203,860; Dec. 23.
Pierre, Joseph M., doing business as Rescue Medicine Co., Fort Wayne, Ind. Medicinal preparation for indigestion, etc. 204,833; Dec. 23.
Premier Radio Corporation, The, Defiance, Ohio. Radio receiving sets. 203,866; Dec. 23.
Querns Bros., Philadelphia, Pa. Silk underwear. 204,978; Dec. 23.
R. W. & B. Manufacturing Corporation, New York, N. Y. Paper fasteners. 204,332; Dec. 23.
Rescue Medicine Co. (See Pierre, Joseph M.)
Robins, Max, doing business as Maxime Drug Co., Chicago, Ill. Cold cream. 204,789; Dec. 23.
Rosenbaum, Morris, Chicago, Ill. Automobile polish. 201,209; Dec. 23.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Pile fabrics in the piece. 186,617; Dec. 23.
Sandler, Samuel, New York, N. Y. Cigars. 204,118; Dec. 23.
Scripto Manufacturing Company, Atlanta, Ga. Pencil leads. 204,870; Dec. 23.
Security Remedy Company. (See Dennie, Frank B.)
Selle Company, The, Atlanta, Ga. Steam-distilled pine-oil disinfectant. 204,633; Dec. 23.
Silvolplate Company. (See Laufer, Oswald.)
Sinclair Refining Company, New York, N. Y. Lubricating oil. 204,283; Dec. 23.
Snow, Jack D., doing business as J. D. Snow Company, New York, N. Y. Fountain pens. 204,526; Dec. 23.
Sociedad Anonima Quebrachales Fusionados, Buenos Aires, Argentina. Quebracho extract, particularly quebracho extract soluble in cold water. 199,191-2; Dec. 23.
Societe Anonyme les Dentifrices du Docteur Pierre, Nanterre, France. Perfumes, toilet water, face powder, etc. 204,937; Dec. 23.
Societe l'Aliment Essentiel, Nanterre, France. Food for infants and invalids. 204,793; Dec. 23.
Societe l'Aliment Essentiel, Nanterre, France. Wheat farina. 204,796; Dec. 23.
Speed-It Company. (See Wirthman, Frederick G.)
Spratt's Patent (America) Limited, London, England. Food for poultry, game, and birds. 203,013; Dec. 23.
Squire Dingle Company, Chicago, Ill. Pickles. 204,637; Dec. 23.
Standard Oil Company, San Francisco, Calif. Lubricating oils. 200,464; Dec. 23.
Stein, S., & Co., New York, N. Y. Woolen goods. 199,581; Dec. 23.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece and in cut lengths. 205,179; Dec. 23.
Stevens & Thompson Paper Co., New York, N. Y. Plates, cups, saucers, etc. 196,888; Dec. 23.
Stifel, J. L., and Sons, Wheeling, W. Va. Cotton piece goods. 204,842; Dec. 23.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 205,093; Dec. 23.
Stix, Baer & Fuller Dry Goods Co., St. Louis, Mo. Misses' and women's outer wearing apparel. 204,875; Dec. 23.
Sundahl & Heckert Sheet Metal Works, Kansas City, Mo. Ventilators. 203,654; Dec. 23.
Taplet Manufacturing Company, Philadelphia, Pa. Electrical conduit fittings. 203,983; Dec. 23.
Tissue Company, The, Saugerties, N. Y. Paper napkins. 204,285; Dec. 23.
Tonsil-tone Company, Kansas City, Mo. Treatment of tonsillitis, laryngitis, etc. 204,940; Dec. 23.
Trabiley, Eugene N., doing business as Mutual Knitting Mills, New York, N. Y. Knitted sweaters, vests, scarfs, and ties. 204,844; Dec. 23.
Truitt Brothers Incorporated, Binghamton, N. Y. Children's shoes. 204,876; Dec. 23.
Tucker, Gordon, Minneapolis, Minn. Tire jacks. 203,868; Dec. 23.
Uman, George L., doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Library paste, glue, mullage, etc. 202,725; Dec. 23.
United Candy Company, Boston, Mass. Candy. 200,066; Dec. 23.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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U. S. Hame Company, Buffalo, N. Y. Hames. 204,942-3; Dec. 23.
Van Engers, Inc., Chicago, Ill. Candy. 204,878; Dec. 23.
Van Euten, Thomas D., Sidney, Ohio. Candy. 205,094; Dec. 23.
Vesuvio Aktiengesellschaft für den Bau von Feuerungsanlagen in München, Munich, Germany. Furnace and kiln structures and materials and parts of the same, etc. 187,444; Dec. 23.
Vollmer-Clearwater Co., Ltd., The, also doing business as The Asotin Roller Mills, Lewiston, Idaho. Wheat flour. 203,920; Dec. 20.
Wammanaker, John, New York, New York, N. Y. Children's shoes. 204,985; Dec. 23.

Warren, S. D., Company, Boston, Mass. Printing paper. 204,487; Dec. 23.
West Co., The. (See Moench, George W.)
Wirthman, Frederick G., doing business as Speed-It Company, Kansas City, Mo. Preparation to decrease deposit of carbon in cylinders of internal-combustion engines and to increase the explosive force of the gasoline used as fuel in same. 204,804; Dec. 23.
Wood, W. D., Lumber Company, Birmingham, Ala. Lumber and construction materials. 190,624; Dec. 23.
World Bottling Company, Ltd., New Orleans, La. Beverage sold as soft drink. 204,889; Dec. 23.
Yakima Fruit Growers Association, Yakima, Wash. Fresh apples. 205,044; Dec. 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.
Water, Aromatic distilled water and distilled. J. Klein, Jr. 193,315; Dec. 23; Serial No. 200,624; published Oct. 14, 1924.

CLASS 2.
Cans, Garbage. Kaustine Company. 193,312; Dec. 23; Serial No. 201,349; published Oct. 14, 1924.
Shipping container. V. L. Kraunert. 193,311; Dec. 23; Serial No. 201,156; published Oct. 14, 1924.

CLASS 6.
Ointment. W. R. Leslie. 193,331; Dec. 23; Serial No. 195,232; published June 24, 1924.
Ointment. M. H. Luther. 193,299; Dec. 23; Serial No. 199,635; published Sept. 2, 1924.

CLASS 11.
Carbon papers. Miller-Bryant Pierce Company. 193,262; Dec. 23; Serial No. 200,457; published Sept. 30, 1924.

CLASS 15.
Candles, Wax. Columbia Wax Works. 193,334; Dec. 23; Serial No. 191,474; published Oct. 14, 1924.
Gasoline. Viking Oil Products Company. 193,332; Dec. 23; Serial No. 194,962; published Oct. 14, 1924.
Oils, Lubricating. Capstone Manufacturing Co. 193,338; Dec. 23; Serial No. 183,644; published Oct. 14, 1924.

CLASS 16.
Paint and varnish removers. W. W. Lawrence & Company. 193,193; Dec. 23; Serial No. 201,353; published Oct. 14, 1924.

CLASS 17.
Cigarettes. Batt Brothers. 193,336; Dec. 23; Serial No. 189,549; published Oct. 14, 1924.
Cigars, cigarettes, tobacco. R. McDaniel. 193,319; Dec. 23; Serial No. 200,270; published Oct. 14, 1924.

CLASS 21.
Antenna wire. Colonial Brass Company. 193,209; Dec. 23; Serial No. 200,863; published Oct. 7, 1924.
Batteries, Automotive. Electric Service Corporation. 193,245; Dec. 23; Serial No. 195,566; published Sept. 2, 1924.

CLASS 24.
Clothes washers. Electric. Conlon Corporation. 193,269; Dec. 23; Serial No. 200,750; published Sept. 30, 1924.
Ironing calendars. Clothes. Willey Co. 193,242; Dec. 23; Serial No. 194,762; published Sept. 2, 1924.
Pressboards, steamers, and parts thereof. American Flush and Velvet Pressboard Co. 193,359; Dec. 23.
Washing machines, clothes or laundry. Wells H. Press Company. 193,181; Dec. 23; Serial No. 185,794; published Sept. 30, 1924.

CLASS 25.
Dolls. Aerill Manufacturing Corporation. 193,333; Dec. 23; Serial No. 194,243; published Oct. 14, 1924.
Dolls and toys. George Borgfeldt & Co. 193,339; Dec. 23; Serial No. 196,329; published Oct. 14, 1924.

CLASS 26.
Flashlights. Shapleigh Hardware Company. 193,320; Dec. 23; Serial No. 199,807; published Oct. 14, 1924.
Football covers. Jabez Cliff & Company Limited. 193,322; Dec. 23; Serial No. 199,555; published Oct. 14, 1924.

CLASS 27.
Games, Parlor board. J. P. Grosvenor. 193,317; Dec. 23; Serial No. 200,392; published Oct. 14, 1924.
Skates, Ice and roller. J. Rohdick. 193,325; Dec. 23; Serial No. 199,129; published Oct. 14, 1924.

CLASS 28.
Tennis, badminton, and rackets for all games. Birmingham Aluminum Casting (1903) Company Limited. 193,328; Dec. 23; Serial No. 197,861; published Oct. 14, 1924.

CLASS 29.
Tennis-racket strings. California By-Products Co. 193,323; Dec. 23; Serial No. 199,462; published Oct. 14, 1924.

CLASS 30.
Tennis-racket strings. California By-Products Co. 193,324; Dec. 23; Serial No. 199,346; published Oct. 14, 1924.

CLASS 31.
Toy blocks. Strombeck-Becker Manufacturing Company. 193,313; Dec. 23; Serial No. 200,835; published Oct. 14, 1924.

CLASS 32.
Toy motor cycles, scooters, wagons, and cars. Great Northern Manufacturing Company. 193,337; Dec. 23; Serial No. 188,901; published Oct. 14, 1924.

CLASS 33.
Electric-lighting fixtures and parts thereof. Globe Lighting Fixture Mfg. Company. 193,257; Dec. 23; Serial No. 200,252; published Sept. 23, 1924.

CLASS 34.
Electrical heating apparatus. C. M. S., Inc. 193,285; Dec. 23; Serial No. 198,086; published Sept. 30, 1924.

CLASS 35.
Hair dressers, drink mixers, phonograph motors, etc. Arnold Electric Co. 193,359; Dec. 23.

CLASS 36.
Lamps and electrolights. Electric. Graham Manufacturing Company. 193,167; Dec. 23; Serial No. 152,247; published Sept. 30, 1924.

CLASS 27.

Clocks. E. Ingraham Company. 193,266; Dec. 23; Serial No. 200,560; published Sept. 30, 1924.
 Watchcases, watches, and parts thereof. Gruen Watch Company. 193,266; Dec. 23; Serial No. 200,761; published Sept. 30, 1924.
 Watches. Depotier Watch Company. 193,176; Dec. 23; Serial No. 182,402; published Oct. 7, 1924.
 Watches, watchcases, watch movements, and parts thereof. Mino Watch Co. 193,276; Dec. 23; Serial No. 198,418; published Sept. 2, 1924.

CLASS 28.

Bracelets, finger rings, watch chains, etc. M. S. Rosenberg. 193,180; Dec. 23; Serial No. 184,215; published Sept. 2, 1924.
 Buttons. Collar. S. B. Lavick Co. 193,247; Dec. 23; Serial No. 195,696; published Sept. 2, 1924.
 Cuff links and buttons. J. F. Sturdy & Sons Co. 193,369; Dec. 23.
 Gold and silver plated and metal-plated ware. Weidlich Bros. Mfg. Co. 193,182; Dec. 23; Serial No. 187,785; published July 22, 1924.
 Jewelry. Patrick County Virginia Fairy Stone Co. 193,173; Dec. 23; Serial No. 177,799; published Sept. 2, 1924.
 Mesh bags. Gold Seal Jewelers. 193,361; Dec. 23.
 Pearls. L. Heller & Son, Inc. 193,363; Dec. 23.
 Pins, emblems, finger rings, etc. A. W. Munro. 193,291; Dec. 23; Serial No. 199,289; published Sept. 30, 1924.
 Rings, cuff links, chains, etc. Alsopp Brothers. 193,302; Dec. 23; Serial No. 199,739; published Sept. 30, 1924.
 Rings, finger. Jason Weiler & Sons. 193,211; Dec. 23; Serial No. 200,914; published Oct. 7, 1924.
 Rings, ornamental buttons, badges, etc. Finger. Craft Company. 193,272; Dec. 23; Serial No. 197,802; published Oct. 14, 1924.
 Rings, wedding. Alfred Humbert & Son. 193,226-7; Dec. 23; Serial Nos. 189,721-2; published June 3, 1924.

CLASS 29.

Brooms. Merkle Broom Co. 193,308; Dec. 23; Serial No. 201,944; published Oct. 14, 1924.
 Brushes, artists. M. Grumbacher. 193,358; Dec. 23.
 Brushes, hair, tooth, and clothes. Standard Pyroloxoid Corporation. 193,318; Dec. 23; Serial No. 200,291; published Oct. 14, 1924.
 Windshield cleaners. International Auto Equipment Co. 193,321; Dec. 23; Serial No. 199,627; published Oct. 14, 1924.

CLASS 32.

Mattresses. Fred Walpert & Co. 193,346; Dec. 23.
 Shades, window. Columbia Mills, Incorporated. 193,365; Dec. 23.
 Spring cushion constructions. Nachman-Springfield Company. 193,368; Dec. 23.

CLASS 36.

Accordions. C. Bruno & Son, Inc. 193,191; Dec. 23; Serial No. 201,325; published Oct. 7, 1924.
 Banjos. C. Bruno & Son, Inc. 193,288; Dec. 23; Serial No. 199,117; published Oct. 7, 1924.
 Harmonicas, mouth. M. Holmer, Inc. 193,212-20; Dec. 23; Serial Nos. 200,937-45; published Oct. 7, 1924.
 Musical saws. C. J. Mussell. 193,357; Dec. 23.
 Phonograph apparatus for recording and reproducing sounds, etc. Columbia Phonograph Company. 193,184; Dec. 23; Serial No. 189,302; published Oct. 14, 1924.
 Phonograph records. S. Sarafian. 193,230; Dec. 23; Serial No. 191,575; published Sept. 2, 1924.
 Phonograph records and books thereof. Plaza Music Co. 193,221; Dec. 23; Serial No. 200,969; published Oct. 7, 1924.
 Phonographs. R. Mesh. 193,166; Dec. 23; Serial No. 159,975; published Sept. 30, 1924.
 Pianos, etc. Perforated rolls for player. Sociedad Anonima "E. R. A." 193,175; Dec. 23; Serial No. 182,017; published Sept. 30, 1924.
 Pianos, player. Antopiano Company. 193,169; Dec. 23; Serial No. 153,910; published Oct. 7, 1924.
 Pianos, player pianos, phonographs, etc. Verdi & Rossini Music House. 193,186; Dec. 23; Serial No. 201,165; published Oct. 7, 1924.
 Pianos, reproducing upright and grand. M. Schulz Company. 193,189; Dec. 23; Serial No. 201,212; published Oct. 7, 1924.
 Saxophones. H. N. White Company. 193,187; Dec. 23; Serial No. 201,168; published Oct. 7, 1924.
 Talking-machine records. Whelan Corporation. 193,201; Dec. 23; Serial No. 201,727; published Oct. 7, 1924.
 Violin, etc., strings. Goll-Evans Co. 193,264; Dec. 23; Serial No. 200,491; published Sept. 30, 1924.

CLASS 37.

Paper, envelopes, paper napkins, and stencil board. Wrapping and toilet. Myers Paper Company. 193,366; Dec. 23.
 Paper, writing. Empire Paper Company. 193,342-3; Dec. 23.

CLASS 39.

Clothes, coats, suits, dresses, and skirts, ladies'. E. J. Wile and Company. 193,241; Dec. 23; Serial No. 194,093; published Oct. 7, 1924.

Clothing. Oppenheim, Oberdorf & Co. 193,300; Dec. 23; Serial No. 199,644; published Oct. 7, 1924.
 Coats and suits. M. Andur & Son. 193,286; Dec. 23; Serial No. 199,029; published Sept. 30, 1924.
 Coats and suits, men's, boys', and children's. M. Andur & Son. 193,277; Dec. 23; Serial No. 198,495; published Sept. 30, 1924.
 Coats, suits, dresses, etc. Women's, misses', and children's sport. Leiber-Goldsmith Co. 193,253; Dec. 23; Serial No. 200,049; published Oct. 7, 1924.
 Corsets, corsettes, combinettes, and brassieres. M & P Corset Co. 193,234; Dec. 23; Serial No. 192,405; published Sept. 16, 1924.
 Cravats, men's. Hut Neckwear Company. 193,196; Dec. 23; Serial No. 201,450; published Oct. 7, 1924.
 Dresses, aprons, and house dresses. Wash. L. N. Gross Company. 193,248; Dec. 23; Serial No. 196,243; published Oct. 7, 1924.
 Dresses, coats, and suits for women. Semmel & Friedlander Inc. 193,243; Dec. 23; Serial No. 194,952; published Oct. 7, 1924.
 Hats, caps, boots, etc. Chs. Lavy & Co. 193,229; Dec. 23; Serial No. 191,326; published Oct. 7, 1924.
 Hats, caps, boots, etc. Chs. Lavy & Co. 193,231; Dec. 23; Serial No. 191,631; published Oct. 7, 1924.
 Hose and half hose. L. M. Goldie. 193,287; Dec. 23; Serial No. 199,111; published Sept. 30, 1924.
 Hosiery. Rufus W. Scott Company. 193,295; Dec. 23; Serial No. 199,575; published Sept. 30, 1924.
 Hosiery. S. Shapinsky & Company. 193,290; Dec. 23; Serial No. 199,189; published Sept. 30, 1924.
 Hosiery, sweaters, shirts, etc. Budd & Votaw. 193,238; Dec. 23; Serial No. 193,212; published Oct. 7, 1924.
 Knitted underwear, blouses, dresses, etc. Famous Textile Co. 193,296; Dec. 23; Serial No. 199,614; published Oct. 7, 1924.
 Mullers. Weiss & Zahler. 193,304; Dec. 23; Serial No. 199,813; published Oct. 7, 1924.
 Overalls, coats, pants, and shirts. Cookeville Overall Manufacturing Company. 193,259; Dec. 23; Serial No. 199,975; published Oct. 7, 1924.
 Pants and trousers, men's. Jacobson Brothers. 193,301; Dec. 23; Serial No. 199,702; published Oct. 7, 1924.
 Pants, overalls, and coats. A. Winer. 193,255; Dec. 23; Serial No. 200,163; published Oct. 7, 1924.
 Skirts and dresses. Ribner & Wachs. 193,233; Dec. 23; Serial No. 192,087; published Oct. 7, 1924.
 Stockings, underwear, sandals, boots, etc. Allard & Co. 193,177; Dec. 23; Serial No. 182,557; published Oct. 7, 1924.
 Suits and overcoats, men's. Chas. H. Liebman & Bro. 193,259; Dec. 23; Serial No. 200,592; published Oct. 7, 1924.
 Suits, men's serge. Best Of All Company. 193,237; Dec. 23; Serial No. 192,700; published Oct. 7, 1924.
 Swimming suits. Jantzen Knitting Mills. 193,298; Dec. 23; Serial No. 199,628; published Sept. 30, 1924.
 Topcoats and raincoats. H. & L. Epstein Inc. 193,183; Dec. 23; Serial No. 188,671; published Oct. 7, 1924.
 Underhose. "Onyx" Hosiery Inc. 193,294; Dec. 23; Serial No. 199,568; published Sept. 30, 1924.
 Underwear. Knub-Solomon Inc. 193,279; Dec. 23; Serial No. 198,528; published Sept. 30, 1924.

CLASS 42.

Cotton piece goods. American Printing Company. 193,348-51; Dec. 23.
 Handkerchief squares, Irish-linen. Thomas Young Inc. 193,354; Dec. 23.
 Scarfs, table covers, napkins, and dollies, Irish-linen. Thomas Young Inc. 193,353; Dec. 23.
 Serge in the piece. John B. Ellison & Sons. 193,362; Dec. 23.
 Silks in the piece. Jansen & Pretzfeld, Inc. 193,355; Dec. 23.
 Woolen piece goods. Forstmann & Hoffmann Company. 193,198-9; Dec. 23; Serial Nos. 201,494-5; published Oct. 14, 1924.

CLASS 43.

Threads, silk. H. K. H. Silk Co. 193,344; Dec. 23.

CLASS 45.

Beverage and sirups for making same. Pep-Tone Corporation of America. 193,309; Dec. 23; Serial No. 201,714; published Oct. 14, 1924.
 Beverages. James Verner Company. 193,341; Dec. 23.
 Beverages and sirups for making same. M. Baldi. 193,367; Dec. 23; Serial No. 202,092; published Oct. 14, 1924.
 Beverages, sirups, extracts, etc. Coca Cola Bottling Company of Los Angeles. 193,310; Dec. 23; Serial No. 201,543; published Oct. 14, 1924.
 Birch beer, cream soda, lemon soda, etc. J. Klein, Jr. 193,314; Dec. 23; Serial No. 200,625; published Oct. 14, 1924.
 Birch beer, cream soda, lemon soda, etc. J. Klein, Jr. 193,316; Dec. 23; Serial No. 200,623; published Oct. 14, 1924.
 Elder, ginger ale, grape juice, root beer. R. C. Williams & Company. 193,244; Dec. 23; Serial No. 195,251; published Oct. 14, 1924.
 Ginger ale and root beer. Goodman American Ice Cream Company. 193,326; Dec. 23; Serial No. 198,519; published Oct. 14, 1924.

Sirups and carbonated and uncarbonated drinks. Fountain. F. J. Dickinson. 193,306; Dec. 23; Serial No. 202,100; published Oct. 14, 1924.

CLASS 46.

Bread. W. M. Rogerson. 193,178; Dec. 23; Serial No. 182,720; published Oct. 14, 1924.
 Bread, rolls, pies, cakes, etc. Kaase Company. 193,367; Dec. 23.
 Butter. American Butter and Cheese Company. 193,195; Dec. 23; Serial No. 201,423; published Oct. 14, 1924.
 Butter. T. M. Sinclair & Co. 193,194; Dec. 23; Serial No. 201,379; published Sept. 30, 1924.
 Butter, eggs, cheese, and olive oil. Sheaffer & Marvel. 193,200; Dec. 23; Serial No. 201,513; published Oct. 14, 1924.
 Cake, pies, French pastries, etc. Richard W. Kaase Company. 193,364; Dec. 23.
 Candy. Folly Town Company. 193,275; Dec. 23; Serial No. 198,495; published Oct. 14, 1924.
 Candy. L. W. Luce. 193,223; Dec. 23; Serial No. 201,003; published Oct. 14, 1924.
 Candy. Luluor Candy Co. 193,165; Dec. 23; Serial No. 147,121; published Sept. 30, 1924.
 Candy kisses. Frank Schute Sons. 193,352; Dec. 23.
 Canned fruits. Olympia Canning Company. 193,235; Dec. 23; Serial No. 192,417; published Oct. 14, 1924.
 Canned fruits. Schuckl & Co. 193,202; Dec. 23; Serial No. 202,036; published Oct. 14, 1924.
 Canned fruits and vegetables. Olney & Floyd. 193,271; Dec. 23; Serial No. 197,216; published Oct. 14, 1924.
 Canned goods and dried fruits. Hunt Brothers Packing Company. 193,240; Dec. 23; Serial No. 193,709; published Oct. 14, 1924.
 Canned shrimp and oysters. Atlantic Sea Products Co. 193,236; Dec. 23; Serial No. 192,592; published Oct. 14, 1924.
 Canned vegetables. O. W. Cuyler. 193,280; Dec. 23; Serial No. 198,624; published Aug. 5, 1924.
 Canned vegetables. W. H. Killian Co. 193,282; Dec. 23; Serial No. 198,805; published Sept. 23, 1924.
 Canned vegetables and fruits. Cuyler Packing Corporation. 193,281; Dec. 23; Serial No. 198,625; published Aug. 5, 1924.
 Cereal foods. Pillsbury Flour Mills Company. 193,188; Dec. 23; Serial No. 201,205; published Oct. 14, 1924.
 Cereal, wheat. Old Fashioned Millers, Inc. 193,174; Dec. 23; Serial No. 179,881; published Oct. 7, 1924.
 Chicks. Kramer Hatchery Company. 193,222; Dec. 23; Serial No. 200,992; published Oct. 14, 1924.
 Chocolate, chocolate coating and liquor, etc. Pennsylvania Chocolate Company. 193,340; Dec. 23; Serial No. 159,529; published Oct. 14, 1924.
 Coffee. F. S. Alms Co. 193,295; Dec. 23; Serial No. 202,192; published Oct. 14, 1924.
 Coffee. Goyer Company. 193,270; Dec. 23; Serial No. 196,864; published Oct. 14, 1924.
 Cranberry sauce and jelly. American Cranberry Exchange, Incorporated. 193,249; Dec. 23; Serial No. 196,564; published Oct. 14, 1924.

Eggs. Lewis, Mears Company. 193,208; Dec. 23; Serial No. 200,823; published Oct. 7, 1924.
 Feed, stock. Washburn Crosby Company. 193,228; Dec. 23; Serial No. 191,109; published Oct. 14, 1924.
 Feeds. Sunny South Grain Company. 193,197; Dec. 23; Serial No. 201,472; published Oct. 7, 1924.
 Feeds, cereals, and flours, livestock. Nicholls Grain & Milling Co. 193,303; Dec. 23; Serial No. 199,758; published Sept. 30, 1924.
 Flour, bran, shorts, corn meal, etc. Wheat. Texas Star Flour Mills. 193,170; Dec. 23; Serial No. 157,699; published Sept. 30, 1924.
 Flour, wheat. North Dakota Mill and Elevator Association. 193,246; Dec. 23; Serial No. 195,590; published Oct. 14, 1924.
 Flour, wheat. North Platte Flour Mills. 193,190; Dec. 23; Serial No. 201,252; published Oct. 14, 1924.
 Fruit and nut combination. Dried. W. B. Engle. 193,168; Dec. 23; Serial No. 153,654; published Oct. 14, 1924.
 Ham, bacon, and sausage. L. A. Frey & Sons, Inc. 193,171; Dec. 23; Serial No. 164,537; published Oct. 14, 1924.
 Hams. Smithfield Company. 193,224; Dec. 23; Serial No. 201,051; published Oct. 14, 1924.
 Mash and hen scratch feeds. Egg. R. B. Liles Grain Company. 193,210; Dec. 23; Serial No. 200,888; published Oct. 7, 1924.
 Milk, cream, etc. R. Russell. 193,268; Dec. 23; Serial No. 200,644; published Oct. 7, 1924.
 Nuts. Dayton Nut Products Company. 193,278; Dec. 23; Serial No. 198,508; published Oct. 14, 1924.
 Nuts and nut meat. Salted and candied. Bettman Nut Co. 193,232; Dec. 23; Serial No. 192,061; published Oct. 14, 1924.
 Oranges. Red Fox Orchards. 193,204; Dec. 23; Serial No. 202,143; published Oct. 14, 1924.
 Oranges, grapefruit, and lemons. Edison Orange Growers Association. 193,260; Dec. 23; Serial No. 200,356; published Oct. 14, 1924.
 Oranges, lemons, and grapefruit. Greenspot Citrus Association. 193,227; Dec. 23; Serial No. 198,134; published Oct. 14, 1924.
 Pies, material used in making. C. H. Burrows. 193,261; Dec. 23; Serial No. 200,431; published Oct. 14, 1924.
 Pigs, feet. Pickard. E. K. Pond Company. 193,265; Dec. 23; Serial No. 200,521; published Oct. 14, 1924.
 Preserves, orange. Nequette Orange Circle Co. 193,203; Dec. 23; Serial No. 202,075; published Oct. 14, 1924.
 Raisins and fruit, dried. Sun-Maid Raisin Growers of California. 193,285; Dec. 23; Serial No. 201,110; published Oct. 14, 1924.
 Sausage. Swift and Company. 193,207; Dec. 23; Serial No. 200,787; published Oct. 14, 1924.
 Starch mixture. Dried. C. Feidhusen. 193,263; Dec. 23; Serial No. 200,484; published Oct. 7, 1924.

CLASS 48.

Malt and hops, extract. L. Morris. 193,345; Dec. 23.
 Sirup, malt. W. McGann. 193,329; Dec. 23; Serial No. 197,935; published Oct. 14, 1924.

ALPHABETICAL LIST OF LABELS.

All-Brand. For Cereal Breakfast Food. Kellogg Company. 27,955; Dec. 23.
 Assorted Chocolates (Mother's Day—Carnation Design). For Candy. Chas. Weinbagen & Co. 27,976; Dec. 23.
 Assorted Chocolates (Mother's Day—Rose Design). For Candy. Chas. Weinbagen & Co. 27,977; Dec. 23.
 Bargain Brand. For Hosiery. Chipman Knitting Mills. 27,940; Dec. 23.
 Bellomar. For Canned Tunny Fish. Franco-Italian Packing Co. 27,947; Dec. 23.
 Blacher Novelty Jewelry. For Jewelry. Blacher Brothers. 27,939; Dec. 23.
 Buy a Unley Extra. For Packages of Marshmallows. Roblin Demerath Co. 27,971; Dec. 23.
 Cascade Ginger Ale. For Ginger Ale. Monarch Manufacturing Company. 27,960; Dec. 23.
 Clicquot Club Pale Dry. For Ginger Ale. Clicquot Club Company. 27,941; Dec. 23.
 Countryman Quinine Hair Tonic de Luxe. For Quinine Hair Tonic. W. H. Countryman. 27,945; Dec. 23.
 Dicky Dicky Dock. For the Cover of a Game Box. Noble and Noble. 27,966; Dec. 23.
 Egyptol (Egyptian Oil). For Medicinal Product for the Relief of Rheumatism and Muscular Pains. Gatlin Laboratories. 27,948; Dec. 23.
 Flor De Dastine. For Cigars. A. Dastin. 27,946; Dec. 23.
 Go-Speco Glass Cleaner. For Cleaning Fluid. Consolidated Speciatiles Company. 27,943; Dec. 23.
 Green-Pod Brand. For Canned Peas. Beaver Canning Company. 27,938; Dec. 23.
 Hogle All In One Powder. For Packages Containing a Washing and Cleaning Powder. Hogle Products Co. 27,953; Dec. 23.
 Jean Silk Net. For Hair Nets. S. Glemby's Sons Co. 27,951; Dec. 23.
 Juliaetta. For Fresh Cherries. Juliaetta Cherry Growers Association. 27,954; Dec. 23.

Kloro Klenz. For Sanitary Cleaning Compounds. The Kloro Klenz Co. 27,956; Dec. 23.
 Koko. For Bread. Corby Baking Co. 27,944; Dec. 23.
 La Mesilla. For Cigars. A. Sobel. 27,973; Dec. 23.
 La Vina. For Cigars. C. B. Henschel Mfg. Co. 27,952; Dec. 23.
 Lorraine Silk Net. For Hair Nets. S. Glemby's Sons Co. 27,949; Dec. 23.
 Manas's Maltamilk. For Malted Milk. K. Manas. 27,957; Dec. 23.
 Milan's Worlds Best French Salad Dressing. For French Salad Dressing. L. Milani. 27,958; Dec. 23.
 My Children's Lotto Game. For the Cover of a Game Box. Noble and Noble. 27,967; Dec. 23.
 National Photographic White Flame Cored Carbons. For Electric-Light Carbons. National Carbon Company. 27,961; Dec. 23.
 National Silvertip. Inclined Feed Flame Carbons. For Electric-Light Carbons. National Carbon Company. 27,963; Dec. 23.
 National Solid Yellow Flame Carbons. For Electric-Light Carbons. National Carbon Company. 27,962; Dec. 23.
 National Welding Carbon Paste. For Carbon Paste for Welding. National Carbon Company. 27,965; Dec. 23.
 National Welding Carbon Products. For Carbon Products for Welding. National Carbon Company. 27,964; Dec. 23.
 Polly-O. For Polish. Polly-O Company. 27,968; Dec. 23.
 Raisin. For Bread. Waxide Paper Company. 27,975; Dec. 23.
 Regina Silk Net. For Hair Nets. S. Glemby's Sons Co. 27,950; Dec. 23.
 Regum. For Dentifrices. Red Gum Products Company. 27,970; Dec. 23.
 Salome. For Cigarettes. Rosedor Cigarette Co. 27,972; Dec. 23.
 Souvenir Pictures. For Container for Miniature Post Cards. J. C. Bardell. 27,937; Dec. 23.

ALPHABETICAL LIST OF LABELS.

Star Building Blocks. For a Container for Building Blocks. American Novelty Works. 27,936; Dec. 23.
Sweet Delicacies for Summer. For Candy. Milwaukee Paper Box Company. 27,959; Dec. 23.
True Milk. For Bread. Quality Bakery. 27,969; Dec. 23.

White Gold Flour. For Flour. Collin County Mill & Elevator Co. 27,942; Dec. 23.
White Way. For Wheat Flour. Wallace Milling Company. 27,974; Dec. 23.
Wright's Powder Not a Poison Kills Rats And Mice. For a Powder for Exterminating Rats and Mice. R. B. Wright. 27,978; Dec. 23.

ALPHABETICAL LIST OF PRINTS.

Abel That's Coffee! Mahrn Coffee. For Coffee. Schreiber Products Corp. 7,639; Dec. 23.
Castaway The Modern Castle Soap. For Soap. Andrew Jorgens Co. 7,635; Dec. 23.
Corn-Off. For Corn Remedy. Corn-Off Co. 7,625; Dec. 23.
Corpus stop hurting in one minute! For Dr. Scholl's Zinc-Pads. Scholl Manufacturing Company. 7,638; Dec. 23.
Dart an Arrow Collar. For Collars. Cluett, Peabody & Company. 7,624; Dec. 23.
Du Pont Prescription Paint Service. For Paint. E. I. du Pont de Nemours and Company. 7,628; Dec. 23.
Giro Orange-Jell-O. For Jell-O, a Dessert Preparation. Jell-O Company. 7,633; Dec. 23.
Ironcloth. For Boys' Clothing. Economy Clothing Manufacturing Company. 7,629-30; Dec. 23.
Menthol Honey Cough Drops. For Candy. George J. Mueller, Inc. 7,636; Dec. 23.

Ribboned Ice Cream. For Ice Cream. John H. Muiholland Co. 7,637; Dec. 23.
Scene at Capetown. South Africa. For Heluz 57 Varieties. H. J. Heluz Company. 7,632; Dec. 23.
Sheer Beauty. For Silk Stockings. Famous Textile Co. 7,631; Dec. 23.
The Three Bears. For Jell-O, a Dessert Preparation. Jell-O Company. 7,634; Dec. 23.
Try This Snag Test. For Men's and Boys' Clothing. H. J. Delson. 7,626; Dec. 23.
Try This Water Test. For Men's and Boys' Clothing. H. J. Delson. 7,627; Dec. 23.
Venus Copying Pencils C 51. For Pencils. American Lead Pencil Company. 7,623; Dec. 23.
Wallace Pencils with the Points that Please. For Pencils. Wallace Pencil Co. 7,640; Dec. 23.
Williams Accelerator for Ford Cars. For Ford Car Accelerators. Williams Bros. Aircraft Corp. 7,641; Dec. 23.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.)

CLASS 1.

Cork, sheeted straw, and sheet silk. Sheet. Endless Belt Corporation. 154,558; Dec. 23.
Hops. V. Neustadt. 203,741-2; Dec. 23.
Leathers. Cleveland Tanning Company. 204,501; Dec. 23.

CLASS 2.

Cartons and containers, paper boxes and plates, etc. Blake, Moffitt & Towne. 197,528; Dec. 23.
Plates, cups, saucers, etc. Stevens & Thompson Paper Co. 196,888; Dec. 23.

CLASS 3.

Covers for protecting horses, etc., against flies. S. Theo. Anderson Corporation. 197,352; Dec. 23.
Hammes. U. S. Hume Company. 204,942-3; Dec. 23.
Leather goods. National Department Stores Inc. 200,507; Dec. 23.

CLASS 5.

Cement, Mending. J. Z. N. Schmid. 204,861; Dec. 23.
Glue material, Starch. Pease's Glue Company. 203,903; Dec. 23.
Paste, glue, mactilage, etc. Library. G. L. Uman. 202,725; Dec. 23.

CLASS 6.

Antiseptic deodorant medicinal preparation. Wm. S. Merrell Company. 204,920; Dec. 23.
Antiseptics. Lehn & Link, Inc. 205,072; Dec. 23.
Carbon in cylinders. Preparation to decrease deposit of. F. G. Wirthman. 204,804; Dec. 23.
Chemical products. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 204,892; Dec. 23.
Cream. Cold. M. Robins. 204,789; Dec. 23.
Disinfectant. Steam-distilled pine-oil. Selig Company. 204,633; Dec. 23.
Extract, particularly quebracho extract soluble in cold water. Quebracho. Sociedad Anonima Quebrachales Fusionados. 199,191-2; Dec. 23.
Laxative. Battle Creek Food Company. 204,850; Dec. 23.
Liniments. J. J. Henly. 202,664; Dec. 23.
Medicinal preparation for the relief of indigestion, etc. J. M. Perre. 204,833; Dec. 23.
Medicinal preparation used for the relief of dyspepsia, etc. L. E. Peacock. 194,446; Dec. 23.
Medicine for indigestion, etc. Canton Pharmaceutical Company. 195,153; Dec. 23.
Perfumes, face powders and creams, toilet waters, etc. A. Maier. 204,917; Dec. 23.
Perfumes, toilet-water, face powder, etc. Société Anonyme les Dentifrices du Docteur Pierre. 204,937; Dec. 23.
Perfumes, toilet waters, face cream, etc. American Druggists Syndicate. 197,577; Dec. 23.
Preparation for the treatment of bruised coccyx. Mrs. J. Moreness. 203,479; Dec. 23.
Remedy for the treatment of rupture, fallen arches, etc. W. Meyer. 204,922; Dec. 23.

Silver-plating compound. O. Laufer. 204,612; Dec. 23.
Toilet preparation for the hair. I. L. Flory. 202,272; Dec. 23.
Toilet preparations. Geo. Borgfeldt & Co. 204,889; Dec. 23.
Toilet preparations. A. Bourjois & Co. 193,382; Dec. 23.
Toilet preparations. Chanel Inc. 205,468-9; Dec. 23.
Tonic. R. Calanes. 204,655; Dec. 23.
Treatment of tonsillitis, laryngitis, etc. Tonsil-tone Company. 204,940; Dec. 23.
Water-softener compound and chemical cleaner. Larkin Co. 204,610; Dec. 23.

CLASS 9.

Toy pistols, Paper caps for. Kilgore Mfg. Co. 186,913; Dec. 23.

CLASS 12.

Lumber and construction materials. W. D. Wood Lumber Company. 190,624; Dec. 23.
Shingles and roofing materials. Chatfield Manufacturing Company. 202,003; Dec. 23.

CLASS 14.

Copper and ingots and castings thereof, Hardened. S. R. Dawson. 168,874; Dec. 23.

CLASS 15.

Lubricant and corrosion-preventing paste. Kant-Rust Products Corporation. 204,099; Dec. 23.
Oil, Lubricating. Sinclair Refining Company. 204,283; Dec. 23.
Oils and greases. Hygrade Oil & Fuel Corporation. 201,135; Dec. 23.
Oils, Fuel and Lubricating. Independent Oil Men of America. 202,666; Dec. 23.
Oils, Lubricating. Standard Oil Company. 200,464; Dec. 23.
Oils, Motor fuel. Caldwell & Taylor. 203,298; Dec. 23.

CLASS 16.

Polish, Automobile. M. Rosenbaum. 201,209; Dec. 23.
Polish, Liquid. Martingale Co. 204,041; Dec. 23.

CLASS 17.

Cigars. S. Sandler. 204,118; Dec. 23.

CLASS 19.

Automobile brakes. Glendale Engineering Co. 204,451; Dec. 23.
Lubricators, roller bearings, and shock absorbers, Combined. Evason Manufacturing Company. 203,262; Dec. 23.
Truck casters. Bond Foundry and Machinery Company. 203,713; Dec. 23.
Wheelbarrows, wheeled carts. Cleveland Wheelbarrow & Manufacturing Company. 181,381; Dec. 23.

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(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.)

CLASS 20.

Oheloth. T. R. Goodlatte & Sons. (Inc.). 204,961; Dec. 23.

CLASS 21.

Carbons, Lighting. National Carbon Company. 203,640; Dec. 23.
Electric motors and parts thereof, short circuiters, etc. Master Electric Company. 186,848; Dec. 23.
Electrical conduit fittings. Taplet Manufacturing Company. 203,983; Dec. 23.
Grid leaks. C. E. Bonine. 203,606; Dec. 23.
Lamps, Incandescent electric. Minneapolis Electric Lamp Company. 204,108; Dec. 23.
Lanterns and batteries, Electric. Economy Electric Lantern Company. 204,163; Dec. 23.
Loud speaker. Mijo Manufacturing Company. 204,270; Dec. 23.
Radio receiving sets. Chas. Freshman Company. 203,406; Dec. 23.
Radio receiving sets. Premier Radio Corporation. 203,866; Dec. 23.
Telephone systems, Automatic. Automatic Electric Company. 203,664; Dec. 23.

CLASS 22.

Fishing rods. Enterprise Manufacturing Company. 188,810; Dec. 23.

CLASS 23.

Clamps, Cabinet. Adjustable Clamp Company. 191,661; Dec. 23.
Engines for carrying chemicals. Device attached to the intake manifold on internal combustion. J. Bird. 203,786; Dec. 23.
Irons, Branding and soldering. Everhot Manufacturing Company. 200,872; Dec. 23.
Knives and bands, Cigarette. Henry Disston & Sons, Incorporated. 203,404; Dec. 23.
Ratche hand tool handles, hand drills, screw drivers, etc. North Bros. Mfg. Co. 204,369; Dec. 23.
Scissors, knives, and razors. J. A. Henckels, Inc. 204,456; Dec. 23.
Tire jacks. G. Tucker. 203,868; Dec. 23.
Waxing and polishing machines. Floor. Floor Waxer & Polisher Corp. 204,312; Dec. 23.

CLASS 26.

Picture films, Moving. Harcol Motion Picture Industries, Inc. 203,732; Dec. 23.

CLASS 29.

Brushes, Artists'. M. Grumbacher. 189,107; Dec. 23.
Brushes, Artists'. M. Grumbacher. 189,109-11; Dec. 23.
Brushes, Artists'. M. Grumbacher. 189,113; Dec. 23.
Brushes, Artists'. M. Grumbacher. 189,116-18; Dec. 23.
Brushes, Artists'. M. Grumbacher. 189,124; Dec. 23.
Windshield wipers. C. E. Kennedy. 202,017; Dec. 23.

CLASS 34.

Burners, Oil. American Oil Burner Corporation. 187,240; Dec. 23.
Furnace and kiln structures and materials and parts of same, etc. Vesuvio Aktiengesellschaft für den Bau von Feuerungsanlagen in München. 187,444; Dec. 23.
Ventilators. Sundahl & Heckert Sheet Metal Works. 203,654; Dec. 23.

CLASS 35.

Belting, Leather and cotton. Laurence Belting Company. 200,106-7; Dec. 23.

CLASS 36.

Phonograph sound boxes. S. Eshborn. 198,629; Dec. 23.

CLASS 37.

Binders, ledgers, and sheet holders. Burkhardt Company. 204,087; Dec. 23.
Chalk. American Crayon Company. 204,430; Dec. 23.
Paper, Bond writing. Hammermill Paper Company. 204,160; Dec. 23.
Paper, Cover. Marvellum Company. 203,965; Dec. 23.
Paper, envelopes, flat paper, and paperboards. Writing. Z. & W. M. Crane, Inc. 204,587; Dec. 23.
Paper fasteners. R. W. & B. Manufacturing Corporation. 204,332; Dec. 23.
Paper napkins. Tissue Company. 204,285; Dec. 23.
Paper, Printing. S. D. Warren Company. 204,487; Dec. 23.
Paper, Writing and printing. Chapin & Gould Paper Company. 204,542; Dec. 23.
Pencil leads. Scripto Manufacturing Company. 204,870; Dec. 23.
Pen, Fountain. J. D. Snow. 204,526; Dec. 23.

CLASS 38.

Mottos, Framed. Cincinnati Art Publishing Company. 204,011; Dec. 23.

CLASS 39.

Corsets, corset waists, brassieres, etc. American Lady Corset Co. 204,885; Dec. 23.
Hats, Ladies'. New Millinery Company. 200,459; Dec. 23.
Hosiery. Belmont Hosiery Company. 204,693; Dec. 23.
Hosiery. Guterman Bros., Inc. 204,707; Dec. 23.
Hosiery. McCroly Stores Corporation. 204,970-1; Dec. 23.
Hosiery. McLellan Stores Company. 205,018; Dec. 23.
Hosiery and sweaters. Links Hosiery Company. 204,669; Dec. 23.
Millinery. S. Kralner. 194,110; Dec. 23.
Outer wear, dresses, lingerie, etc. Women's. Great Eastern Mfg. Co. 204,607; Dec. 23.
Shirts and collars. Earl & Wilson. 205,114; Dec. 23.
Shirts, underwear, neckties, and pyjamas. Men's. Norton Bros. & Morris. 204,624; Dec. 23.
Shoes and shank stiffeners. Leather. F. G. Delbon. 205,051-2; Dec. 23.
Shoes, Children's. Truitt Brothers Incorporated. 204,876; Dec. 23.
Shoes, Children's. John Wanamaker, New York. 204,985; Dec. 23.
Skirts, waists, blouses, coats, etc. Sdx. Buer & Fuller Dry Goods Co. 204,875; Dec. 23.
Suits and topcoats. Men's. Simon Ackerman Clothes, Inc. 204,881-3; Dec. 23.
Suits, coats, and other wearing apparel. Boyd Richardson Co. 204,851; Dec. 23.
Sweaters, vests, scarfs, and ties. Knitted. E. N. Trabley. 204,844; Dec. 23.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 204,823; Dec. 23.
Underwear and hosiery. Benedict Pollak & Company. 204,746; Dec. 23.
Underwear, Silk. Querns Bros. 204,978; Dec. 23.
Union suits, vests, bloomers, step-ins. National Knitting Company. 204,829; Dec. 23.

CLASS 42.

Cotton and linen goods in the piece. Jacob Miller's Sons Co. 187,686; Dec. 23.
Cotton piece goods. American Printing Company. 201,479-80; Dec. 23.
Cotton piece goods. J. L. Stifel & Sons. 204,842; Dec. 23.
Cotton piece goods. J. L. Stifel & Sons. 205,093; Dec. 23.
Cotton plaids, serge, and crêpes, shirtings, wool serge, etc. Hesch Brothers Company. 204,030; Dec. 23.
Fabrics, Pile. Salt's Textile Manufacturing Company. 186,617; Dec. 23.
Hairecloth as piece goods. Charles H. Feldstein Company. 204,359; Dec. 23.
Hair nets and dress linings. Marshall Field & Company. 197,266; Dec. 23.
Knitted artificial-silk piece goods. Levi & Seligman, Inc. 203,961; Dec. 23.
Mohair plushes. American Pile, Fabric Company. 204,214; Dec. 23.
Piece goods. E. H. Behrens & Co. 198,448; Dec. 23.
Silk piece goods. P. Gallub. 204,229; Dec. 23.
Textile fabric. A. Theo. Abbott & Co. 202,788; Dec. 23.
Woolen goods. S. Stein & Co. 199,581; Dec. 23.
Woolen goods in the piece and in cut lengths. S. Stein & Co. 205,179; Dec. 23.

CLASS 43.

Thread, Linen. Barbour Flax Spinning Co. 185,949; Dec. 23.
Yarns, Artificial silk, silk, cotton, and woolen. Neuburger & Co. 203,384; Dec. 23.

CLASS 44.

Medicinal value of radioactive emanation. Containers used for substances to impart the. M. D. Farmer. 198,343; Dec. 23.

CLASS 45.

Beverage. World Bottling Company. 204,989; Dec. 23.
Beverages and sirups for making the same. Keen Kola Manufacturing Company. 204,175; Dec. 23.
Sirup used in the preparation of soft drinks. G. E. Baldwin. 204,809; Dec. 23.

CLASS 46.

Apples, Fresh. Yakima Fruit Growers Association. 205,044; Dec. 23.
Beverage, Table. Independent Breweries Company. 205,013; Dec. 23.
Cakes, cookies, fried cakes, doughnuts, bread, and rolls. Grennan Cake Corporation. 201,841; Dec. 23.
Cakes, cookies, fried cakes, etc. Grennan Cake Corporation. 201,845; Dec. 23.
Candles, coated, treated, or prepared nuts; nut meats, or fruits. Peanut Specialty Co. 200,827; Dec. 23.
Candy. United Candy Specialty Co. 200,066; Dec. 23.
Candy. Van Engers, Inc. 204,878; Dec. 23.
Candy. T. D. Van Etten. 205,094; Dec. 23.

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Canned fruits and vegetables. F. Hildner. 202,113; Dec. 23.	Food for poultry, game, and birds. Spratt's Patent (America) Limited. 203,013; Dec. 23.
Canned salmon. Bankers Discount Corporation. 192,813; Dec. 23.	Foods, Poultry and stock. H. H. Matteson. 204,465; Dec. 23.
Canned salmon. Pacific Sea Foods Co. 204,782; Dec. 23.	Oats, Prepared. Campbell Holton & Co. 202,792; Dec. 23.
Canned vegetables. Wm. Grochit Co. 199,692; Dec. 23.	Oats, Rolled. Fisher Flouring Mills Company. 199,683; Dec. 23.
Canned vegetables and tomato catchup. Oppenheim & McEwan Co. 202,885; Dec. 23.	Oil, Olive. Fratelli Berio. 182,330; Dec. 23.
Chocolate bars, Milk. Blue Mountain Chocolate Co. 202,319; Dec. 23.	Pickles. Squire Dingee Company. 204,637; Dec. 23.
Confections, Frozen. K. T. Marczak. 200,683; Dec. 23.	Sausage. Arnold Bros. Inc. 196,996; Dec. 23.
Egg mash. F. B. Denule. 201,743-4; Dec. 23.	Tea. Kroger Grocery & Baking Co. 202,124; Dec. 23.
Farina, Wheat. Societe l'Aliment Essentiel. 204,796; Dec. 23.	
Flour, bread, and breakfast cereal. Wheat. G. W. Moench. 157,329; Dec. 23.	
Flour, Wheat. Vollmer-Clearwater Co. 203,920; Dec. 23.	
Food, Baby. Dextora Company. 204,817-19; Dec. 23.	
Food for infants and invalids. Societe l'Aliment Essentiel. 204,793; Dec. 23.	

CLASS 48.

Beverages, Malt cereal. Ph. Zang Company. 203,860; Dec. 23.

CLASS 50.

Transfer prints. Di-Noc Manufacturing Company. 186,420; Dec. 23.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23^d DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abandowitz, Cohn, New York, N. Y. Egg-shelling device. 1,520,524; Dec. 23.	Arnsdorf, Ernst, Neudamm, Germany. Signaling device for collapsing pneumatic tires. 1,520,665; Dec. 23.
Abbott, Charles W., Hartford, Conn., assignor to Rome Wire Company, Rome, N. Y. Electrical conductor. 1,520,680; Dec. 23.	Ashley, Frank M. (See Trust, H., and Ashley.)
Abbott, William G., Jr., Wilton, N. H. Constant-speed winder. 1,520,101; Dec. 23.	Atkinson, Henry T., assignor to Universal Window Company, Oakland, Calif. Swinging window. 1,520,167; Dec. 23.
Ackerman, William, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,520,270; Dec. 23.	Atwater Kent Manufacturing Company. (See Kent, Arthur A., assignor.)
Action-Gesellschaft Weser. (See Müller, Heinrich, assignor.)	Auld, Lillian, Eugene, Oreg. Toy figure. 1,520,555; Dec. 23.
Adams, Arthur J., Heywood, near Westbury, England. Means for starting internal-combustion engines. 1,520,552; Dec. 23.	Auperl, Harry, Minneapolis, Minn. Amusement slide. 1,520,217; Dec. 23.
Adams, Harry A., Philadelphia, Pa., assignor to The Winner Laboratories, Inc. Tape-dispensing device. 1,519,998; Dec. 23.	Automatic Electric Company. (See Owen, William W., assignor.)
Adams, Jean E., Inglewood, Calif. Badge or similar article. Des. 66,254; Dec. 23.	Automatic Electric Company. (See Wicks, John, assignor.)
Adams, John B., Loxley, Ala. Gate. 1,520,318; Dec. 23.	Ayres, Hiram D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 66,256; Dec. 23.
Adams, Thomas H. (See Kitchell, Joseph, assignor.)	Ayres, Hiram D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 66,257; Dec. 23.
Alco Utilities Co. (See Devendorf, La Motte K., assignor.)	Bachman, Frank E., Port Henry, N. Y. Titanium compound and its manufacture. Reissue, 1,520,973; Dec. 23.
Air Reduction Company. (See Anderson, James L., assignor.)	Bachr, Albert M. (See Fleming, W. K., and Bachr.)
Aktiebolaget Karlstads Mekaniska Verkstad. (See Wagner, Rudolf E., assignor.)	Baird, Cassius M., Chicago, Ill. Spray nozzle. 1,520,048; Dec. 23.
Aktiebolaget Ljungströms Ångturbin. (See Ljungström, Fredrik, assignor.)	Baker, Joseph, Sons & Perkins Company. (See Baker, R. E., Cummins, and Ford, assignors.)
Albach, Frank. (See Medart, P. S., and Albach.)	Baker, Max L. (See Banks, G. L., and Baker.)
Alden, Ray C., and F. Foss, Seattle, Wash. Device for operating candy kettles. 1,520,047; Dec. 23.	Baker, Robert E., Bronxville, A. F. Cummins, White Plains, N. Y., and E. H. Ford, Los Angeles, Calif., assignors, by mesne assignments, to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y. Safety device for conveyer mechanisms. 1,520,000; Dec. 23.
Alexander, Hayes J. J., Detroit, Mich. Garment protector. 1,520,553; Dec. 23.	Bald, Joseph O., assignor to A. H. Heisey & Company, Newark, Ohio. Pitcher or similar article. Des. 66,258; Dec. 23.
Allard, Joseph A., Jr. (See Ketterer, A. C., and Slanker, assignors.)	Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. 1,520,001; Dec. 23.
Allen, Walter Z., Graham, Tex. Emblem or the like. Des. 66,255; Dec. 23.	Barchus, Charles, Natchez, Miss. Piston-ring-contracting device. 1,520,393; Dec. 23.
Altoonlan, Charles S., Providence, R. I. Swimming device. 1,520,391; Dec. 23.	Barker, Arthur P., Lynn, Mass. Fuel nozzle for carburetors. 1,520,629; Dec. 23.
American Aluminum Ware Co. (See Brucker, Henry, assignor.)	Barnard, Thomas H., Toronto, Ontario, Canada. Insulator bracket. 1,520,218; Dec. 23.
American Fabrics Company, The. (See Wackerman, Charles S., assignor.)	Barnes, John W., Rock Ferry, England. Apparatus for cutting inclined keyways in shafts or like operations. 1,520,219; Dec. 23.
American Machinery Company. (See Ziegner, Walter E., assignor.)	Barthelmeß, Emil, Dusseldorf-Oberkassel, Germany. Crushing mills. 1,520,319; Dec. 23.
American Narrow Fabric Company. (See Brown, Arnold V., assignor.)	Bassett, Elsha, London, England. Device for effecting the registration of plates for multicolor printing. 1,520,102; Dec. 23.
American Optical Company. (See Dey, G. S., and Hill, assignors.)	Bateman, Theodore E., St. Joseph, assignor of forty-nine one-hundredths to C. A. Fish, Chillicothe, Mo. Radiator truck. 1,520,630; Dec. 23.
American Optical Company. (See Maynard, A. E., and Gunning, assignors.)	Bauersfeld, Walther, and O. Mackensen, assignors to the Firm Carl Zeiss, Jena, Germany. Examining the relative position of sighting lines. 1,520,383; Dec. 23.
American Optical Company. (See Tillyer, E. D., and Glancy, assignors.)	Bauersfeld, Walther, assignor to the Firm Carl Zeiss, Jena, Germany. Cinematographic apparatus. 1,520,384; Dec. 23.
American Steel Foundries. (See Kinne, Edmund P., assignor.)	Bausch & Lomb Optical Company. (See Simpson, Leon G., assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)	Beach, Clarence E., Binghamton, N. Y. Signal device. 1,520,394; Dec. 23.
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)	Beardsley & Piper Company, The. (See Beardsley, E. O., and Piper, assignors.)
Ames, Samuel. (See Rishell, M. L., and Ames.)	Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Machine for making molds. 1,520,220; Dec. 23.
Anderson, Carl H., Roseglan, N. Dak. Combined wire stretcher and splicer. 1,520,628; Dec. 23.	Beck, John P., Flint, Mich. Watch-crystal cabinet. 1,520,525; Dec. 23.
Anderson, Henry J. (See Evensta, E. G., and Anderson.)	Becker, Gus, Fresno, Calif. Watch-chain holder. 1,520,395; Dec. 23.
Anderson, James L., Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Tube-welding machine. 1,520,271; Dec. 23.	Beckwith, Harry E., Norwich, Conn. Fishing tilt. 1,520,556; Dec. 23.
Ankeny, Arthur W., Indiana, and R. H. Ankeny, Apollo, Pa. Ventilator attachment for water-closets. 1,520,554; Dec. 23.	Bedell, Charles H., New London, Conn., assignor to Electric Boat Company. Compass system. 1,520,002; Dec. 23.
Ankeny, Roy H. (See Ankeny, Arthur W., and R. H.)	Beers, Edwin L., Broadalbin, N. Y. Motor-vehicle fuel-intake valve. 1,520,103; Dec. 23.
Anthony, Marcus O., Cleveland, Ohio, assignor to Continental Engineering Corporation, Omaha, Nebr. Rotary valve. 1,520,273; Dec. 23.	
Anthony, Marcus O., New York, N. Y., assignor to Continental Engineering Corporation, Omaha, Nebr. Valve-rotating mechanism. 1,520,272; Dec. 23.	
Appel, George C., Newport, Ky., assignor of one-half to J. Webb, Cincinnati, Ohio. Combination tool. 1,520,670; Dec. 23.	
Armstrong Cork Company. (See Humphreys, Charles F., assignor.)	
Arnold, Margaret L., Chicago, Ill. Scrubbing pail. 1,519,999; Dec. 23.	

Belanger, George L., Chicago, Ill. Combination lock. 1,520,385; Dec. 23.
 Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
 Bell, Edward M., Mill Spring, N. C. Differential mechanism. 1,520,320; Dec. 23.
 Bellmore, David H., New York, N. Y. Disk wheel and making the same. 1,520,104; Dec. 23.
 Beman, Lynn W., Chicago, Ill. Bathing cap. 1,520,049; Dec. 23.
 Bender, Anna V., Columbus, Ohio. Imitation candle for electric light fixtures. Des. 66,259; Dec. 23.
 Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
 Benjamin Electric Manufacturing Company. (See Ironmenger, Robert S., assignor.)
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade holding device. 1,520,386; Dec. 23.
 Bennett, John J., et al. (See Mongillo, Giacomo, assignor.)
 Benoit, Joseph F., assignor to Sanford Mills, Sanford, Me. Double-pile fabric loom. 1,520,274; Dec. 23.
 Benson, William, Brooklyn, assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,520,387; Dec. 23.
 Berck, George J., Osceola, Neb. Plow attachment. 1,520,360; Dec. 23.
 Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Switch device. 1,520,526; Dec. 23.
 Berg, Louis M., Duluth, Minn. Animal trap. 1,520,557; Dec. 23.
 Berg, Richard O. and S., assignors to Michigan Steel Tube Products Company, Detroit, Mich. Tube-welding machine. 1,520,221; Dec. 23.
 Berg, Simon. (See Berg, Richard O. and S.)
 Bergquist, Charles H., Okmulgee, Okla., assignor of one-half to E. A. Locke. Brace for well-drilling tools. 1,520,168; Dec. 23.
 Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 1,520,275; Dec. 23.
 Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. 1,520,276; Dec. 23.
 Best, Clarence L., San Leandro, assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor. 1,520,397; Dec. 23.
 Bicknell, Elliot. (See Bicknell, Richard S., assignor.)
 Bicknell, Richard S., Nitro, W. Va., assignor to E. Bicknell, Newton Highlands, Mass. Calculating device. 1,520,105; Dec. 23.
 Biffar, Andrews, Miltenberg, Germany. Machine for grinding and sifting wood pulp. 1,520,398; Dec. 23.
 Bindon, George H., Ottawa, Ontario, Canada. Electric cooker or heating unit. 1,520,321; Dec. 23.
 Bird, George H., Brooklyn, N. Y. Spool. 1,520,003; Dec. 23.
 Birmingham Iron Foundry. (See Banbury, Fernley H., assignor.)
 Bishop, Joseph W., and J. O. Matteson, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,520,106; Dec. 23.
 Bishop, Joseph W., and J. O. Matteson, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,520,107; Dec. 23.
 Bishop, Joseph W., and J. O. Matteson, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,520,108; Dec. 23.
 Bishop, Joseph W., and J. O. Matteson, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,520,109; Dec. 23.
 Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Starting mechanism. 1,520,681; Dec. 23.
 Blakeslee, George S., Chicago, Ill. Dishwashing machine. 1,520,110; Dec. 23.
 Blakeslee, George S., Chicago, Ill. Washing machine. 1,520,111; Dec. 23.
 Blakeslee, George S., Oak Park, Ill. Washing machine. 1,520,112; Dec. 23.
 Bloch, Franz G., Röhrlingen, Germany. Level-indicating device. 1,520,004; Dec. 23.
 Bloom, Edgar J., Tiffin, Ohio. Golf club. 1,520,113; Dec. 23.
 Blount, John E., Louisville, Ky. Electric humbler and deodorizer. 1,520,050; Dec. 23.
 Blumenthal, Ferdinand, Cologne-Braunsfeld, Germany. Apparatus for purifying boiler feed water. 1,520,399; Dec. 23.
 Blumenthal, Sidney, & Co. (See Crensey, Samuel E., assignor.)
 Book Binding Company, The. (See Flaherty, John F., assignor.)
 Boen, Joseph, assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Windshield. 1,520,051; Dec. 23.
 Borgnet, Maurice. (See Borgnet, Octave and M.)
 Borgnet, Octave and M., Brail-le-Comte, Belgium. Roof for sheds, railway stations, terminals, and the like. 1,520,322; Dec. 23.
 Borreson, Berre H., St. Paul, Minn. Certificate or tag holder. 1,520,323; Dec. 23.

Borreson, Berre H., St. Paul, Minn. Vehicle license or card holder. 1,520,324; Dec. 23.
 Bowman, Oliver S., Colorado Springs, Colo. Floor construction. 1,520,325; Dec. 23.
 Boyd, John S., and T. F., assignors to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,260; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,261; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,262; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,263; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,264; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,265; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,266; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,267; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,268; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,269; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,270; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,271; Dec. 23.
 Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 66,272; Dec. 23.
 Boyd, John S., Co. (See Boyd, John S., assignor.)
 Boyd, John S., Co. (See Boyd, John S. and T. F., assignors.)
 Boyd, Thomas F. (See Boyd, John S. and T. F.)
 Boynton, Alexander, San Antonio, Tex. Swab. 1,520,400; Dec. 23.
 Brady, Gordon G., Arkansas City, Kans. Temper screw. 1,520,401; Dec. 23.
 Bransky, Oscar E. (See Glahr, H. E., and Bransky.)
 Bremer, Carl. (See Jacobson, C. H., and Bremer.)
 Bremer, Harry A., Chicago, Ill. Electric condenser. 1,520,461; Dec. 23.
 Breslavsky, Hyman, Brooklyn, N. Y. Finger ring and forming the same. 1,520,462; Dec. 23.
 Breslin, Frank M., West Springfield, Mass. Locomotive toy. 1,520,388; Dec. 23.
 Brewster, William, New York, N. Y. Construction of in-closed drive automobile bodies. 1,520,389; Dec. 23.
 Brooks, Lewis C., assignor to The National Paper Can Company, Milwaukee, Wis. Container. 1,520,527; Dec. 23.
 Brooks, Lewis C., assignor to The National Paper Can Company, Milwaukee, Wis. Container closure. 1,520,528; Dec. 23.
 Broughton, Patrick, New London, Conn. Power plant. 1,520,005; Dec. 23.
 Brown & Sharpe Manufacturing Company. (See Smith, Walter F., assignor.)
 Brown, Arnold V., Worcester, Mass., assignor to American Narrow Fabric Company, detachable connecting device for hose supporters. 1,520,114; Dec. 23.
 Brown, Carl R., Stockton, Kans. Combined grain harvesting and thrashing machine. 1,520,558; Dec. 23.
 Brown, Lewis W., St. Louis, Mo. Chair. 1,520,222; Dec. 23.
 Brown Shoe Company. (See Bush, John A., assignor.)
 Brown, Walter O., Detroit, Mich. Badge or similar article. Des. 66,273; Dec. 23.
 Browlee, Roy H., and R. H. Uhlinger, assignors to Thermatomic Carbon Company, Pittsburgh, Pa. Apparatus for the instantaneous cooling of mixtures of gas and solids. 1,520,115; Dec. 23.
 Brunker, Henry, Newark, N. J., assignor to American Aluminum Ware Co. Pouring spout and container. 1,520,006; Dec. 23.
 Brunk, Mary V., Kansas City, Mo. Cap, hat, and bonnet. 1,520,007; Dec. 23.
 Brunswick-Balke-Collender Company, The. (See Bishop, J. W., and Matteson, J. O., assignors.)
 Bryant Electric Company, The. (See Thomas, George R., assignor.)
 Bryant Electric Company, The. (See Tizley, Arthur J., assignor.)
 Büchner, Oswald, Hongg, near Zurich, Switzerland. Lens and the arrangement of lenses. 1,520,550; Dec. 23.
 Buchter, Henry, Cincinnati, Ohio. Caster. 1,520,116; Dec. 23.
 Buck, Clarence M. (See Fick, H., Buck, and Scherer.)
 Buckle, Horace L. T., Yiewsley, England, assignor to Victor Talking Machine Company. Governor for talking machines. 1,520,008; Dec. 23.
 Buchle, Erich, San Francisco, Calif. Valve. 1,520,117; Dec. 23.
 Bultman, Charles E., deceased, Chicago, Ill.; I. M. Bultman, executrix. Container. 1,520,118; Dec. 23.
 Bultman, Ida M., executrix. (See Bultman, Charles E.)
 Burne, Joseph N., Chicago, Ill. Dispensing apparatus. 1,520,560; Dec. 23.
 Burr, Almon W., Beloit, Wis. Facilitating the construction of treplices. 1,520,223; Dec. 23.
 Burton Knitting Company. (See Parker, William S., assignor.)

Bush, Hardy, sr., Newark, N. J. Bracelet. Des. 66,274; Dec. 23.
 Bush, John A., assignor to Brown Shoe Company, Inc., St. Louis, Mo. Identifying shoes. 1,520,224; Dec. 23.
 Busiek, William A., Belleville, Ill. Range. 1,520,463; Dec. 23.
 Busiek, William A., Belleville, Ill. Range. 1,520,464; Dec. 23.
 Butcher, Archie W. (See McCullough, E. D., and Butcher.)
 Butler, William P. (See Stewart, John H., assignor.)
 Byrne, James A. (See McClure, Charles J., assignor.)
 Cagle, Lester J., Wenatchee, Wash. Lopping or pruning shears. 1,520,529; Dec. 23.
 Callahan, Francis J., Chicago, Ill. Notarial seal. 1,520,277; Dec. 23.
 Campbell, David N. E., administrator. (See Walker, Charles W.)
 Cannon, John H., Shreveport, La. Fencepost. 1,520,326; Dec. 23.
 Cappellanti, Harry, Morgantown, W. Va. Circuit closer for alarms. 1,520,169; Dec. 23.
 Carborundum Company, The. (See Tene, Frank J., assignor.)
 Carley, Leonard R., Watertown, assignor to The Patent Button Company, Watertown, Conn. Button. Des. 66,275; Dec. 23.
 Carlson, Gustave O., Wethersfield, assignor of one-half to H. Hanson, Middletown, Conn. Wrench. 1,520,170; Dec. 23.
 Carlson, Gustave O., Wethersfield, assignor of one-half to H. Hanson, Middletown, Conn. Wrench. 1,520,171; Dec. 23.
 Carlson, Gustave O., Wethersfield, assignor of one-half to H. Hanson, Middletown, Conn. Wrench. 1,520,172; Dec. 23.
 Carpenter, Allan O., Corning, and J. Le Valley, Painted Post, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Drilling device. 1,520,390; Dec. 23.
 Carr, John D., and J. E. Ritch, Humble, Tex. Pump plunger. 1,520,173; Dec. 23.
 Carrick, Gerald S., Chicago, Ill. Combustion-control apparatus. 1,520,530; Dec. 23.
 Cassel, Gunnar E., Stockholm, assignor to A. Löffler, Djursholm, Sweden. Electrical agricultural system. 1,520,527; Dec. 23.
 Chapman, Robert N., Dublin, Ga. Quick drying of clay articles. 1,520,328; Dec. 23.
 Cherpeck, Casimir S., Chicago, Ill. Variable condenser. 1,520,329; Dec. 23.
 Chlum, Howard T., Florin, Calif. Saw. 1,520,330; Dec. 23.
 Chott, William. (See Wallisch, P., and Chott.)
 Christensen, George E., Fullerton, Neb. Incubator heater. 1,520,551; Dec. 23.
 Christwell, Frederick W., assignor to Pacific Car and Foundry Company, Seattle, Wash. Lag bunk. 1,520,009; Dec. 23.
 Clark, Charles N., Somerville, Mass. Basket. 1,520,532; Dec. 23.
 Clark, Edward A., assignor of one-half to J. Hertler, Saline, Mich. Parlor football game. 1,520,010; Dec. 23.
 Clark, Edward A., assignor of one-half to C. A. Curtiss, Saline, Mich. Parlor football game. 1,520,011; Dec. 23.
 Clark, Edwin K., Leeds, England. Articulated locomotive. 1,520,533; Dec. 23.
 Clark, Nelson O., Texarkana, Ark. Electric heating device. 1,520,174; Dec. 23.
 Clark, William H., Cleveland, Ohio. Apron. 1,520,465; Dec. 23.
 Clemans, Elizabeth C., et al. (See Clemans, William M., assignor.)
 Clemans, Gwendolyn C., et al. (See Clemans, William M., assignor.)
 Clemans, Roth M., et al. (See Clemans, William M., assignor.)
 Clemans, William M., assignor of one-half to J. C. Fee and one-half to R. M. Clemans, G. C. Clemans, and E. C. Clemans, Wheeling, W. Va. Dish. 1,520,402; Dec. 23.
 Clemens, Alfred A. (See Phillips, G. B., and Clemens.)
 Cleveland-Akron Bag Company, The. (See Merrick, Howard W., assignor.)
 Cleveland Engineering Laboratories Company, The. (See Fleming, W. K., and Baehr, assignors.)
 Climax Conveyor Corporation. (See Connolly, Joseph F., assignor.)
 Cones, Frederick, Cincinnati, Ohio. Container closure. 1,520,403; Dec. 23.
 Colburn, Ernest, Spokane, Wash., assignor to The Holt Manufacturing Company, Stockton, Calif. Combined header and thrasher. 1,520,404; Dec. 23.
 Collins, Bascom E., Calmesville, Mo. Hoisting and conveying device. 1,520,175; Dec. 23.
 Comfort, Edward W., Winchester, assignor to Parks-Cramer Company, Boston, Mass. Hygrometric indicator, recorder, and regulator. 1,520,533; Dec. 23.
 Connorsville Blower Co. (See Wilkin, John T., assignor.)
 Connolly, Joseph F., East Providence, R. I., assignor to Climax Conveyor Corporation, Jersey City, N. J. Elevating conveyor. 1,520,332; Dec. 23.
 Conrad, Rudolph, Erie, Pa. Treating oil wells and apparatus therefor. 1,520,012; Dec. 23.

Conrader, Rudolph, Erie, Pa. Operating oil wells and treating the products therefrom and apparatus therefor. 1,520,052; Dec. 23.
 Continental Engineering Corporation. (See Anthony, Marcus O., assignor.)
 Cooke, Genaro W. (See Otero, Juan A., assignor.)
 Cornwall, Frederick R., deceased; M. B. Cornwall, executrix, assignor, by mesne assignments, to M. B. Cornwall, St. Louis, Mo. Six-wheel truck. 1,520,176; Dec. 23.
 Cornwall, May B. (See Cornwall, Frederick R., assignor.)
 Cornwall, May B., executrix. (See Cornwall, Frederick R.)
 Cosgrave, Austin B., and W. H. Lewis, Mountain Lakes, N. J. Signalling siren. 1,520,225; Dec. 23.
 Costello, Louis J. (See Morlan, R. L., and Costello.)
 Cote, Omer E., Pawtucket, assignor to Electrical Products Manufacturing Company, Providence, R. I. Telephone headset. 1,520,436; Dec. 23.
 Cote, Thomas E., Montreal, Quebec, Canada. Fuse plug. 1,520,561; Dec. 23.
 Craig, George W., Los Angeles, Calif. Rake cleaner. 1,520,278; Dec. 23.
 Cramp, William, & Sons Ship and Engine Building Company. (See Lerner, Chester W., assignor.)
 Craze Company of Minnesota. (See Hougland, Albert C., assignor.)
 Crawford, Ralph C., Salina, Kans. Power-take-off device for motor vehicles. 1,520,562; Dec. 23.
 Crensey, Samuel E., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric to simulate fur blankets and producing the same. 1,520,333; Dec. 23.
 Cross, Francis W., Prior Lake, Minn. Control for battery-charging plants. 1,520,334; Dec. 23.
 Crox Carpet Company. (See Waldo, Algermont H., assignor.)
 Crox Carpet Company. (See Waldo, Raymond H., assignor.)
 Crowell, Rufus, Winchester, Mass. Method and apparatus for spinning metal tubes. 1,520,226; Dec. 23.
 Craver, Curtis L., Oak Park, Ill. Cap for knobs. 1,520,534; Dec. 23.
 Culotta, Edward, New York, N. Y. Gem-setting machine. 1,520,013; Dec. 23.
 Cumfer, Harry A., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill. Machine for making asphalt roofing. 1,520,014; Dec. 23.
 Cumling, M. A., & Co. (See Cumling, Robert M., assignor.)
 Cumling, Robert M., Kew Gardens, N. Y., assignor to M. A. Cumling & Co., Inc. Hat forming dies. 1,520,015; Dec. 23.
 Cummins, Arthur F. (See Baker, R. E., Cummins, and Ford.)
 Curran, Edward T., Detroit, Mich. Water cooler or radiator. 1,520,016; Dec. 23.
 Curtiss, Carl A. (See Clark, Edward A., assignor.)
 Cytron, Julius, Tulsa, Okla. Bag-holding apparatus. 1,520,279; Dec. 23.
 Dale, George Nelson, & Company. (See McQuitty, Robert A., assignor.)
 Damm, Charles F., Buffalo, N. Y. Headlight. 1,520,405; Dec. 23.
 Danks, Roy L., and M. L. Baker, assignors to The Regal Silver Mfg. Co., New Haven, Conn. Spoon or similar article. Des. 66,276; Dec. 23.
 Danke, Robert, Gotha, Germany, assignor to Morris, Mann & Kelly, Inc., Chicago, Ill. Statuette. Des. 66,277; Dec. 23.
 Darley, Alfred P., Cedar Edge, Colo. Attachment for stovepipes. 1,520,563; Dec. 23.
 Davidson, Arthur C., Chicago, Ill. Draft gear. 1,520,536; Dec. 23.
 Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling ore and the like. 1,520,119; Dec. 23.
 Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling ore and the like. 1,520,120; Dec. 23.
 Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,520,280; Dec. 23.
 Davis, Thomas J., Duquesne, Pa. Sintering apparatus. 1,520,535; Dec. 23.
 Davis, William, Chicago, Ill. Pedal-operated driving control of motor vehicles. 1,520,335; Dec. 23.
 Deckebach, Henry E., Cincinnati, Ohio. Increasing efficiency of distillation. 1,520,121; Dec. 23.
 Delec-Light Company. (See Hardman, Frederick J., assignor.)
 De Markus, Louis, Montrose, Pa. Method and apparatus for pulverizing. 1,520,537; Dec. 23.
 Denny, Claude W., London, England. Electric switch. 1,520,406; Dec. 23.
 Denton, Willmott H., Whitely, Mass. Seed dropper. 1,520,017; Dec. 23.
 Denzer, William, New York, N. Y. Coupling. 1,520,336; Dec. 23.
 De Rosa, Genaro, New York, N. Y. Covered dish or similar article. Des. 66,278; Dec. 23.
 Dess, Joseph B., Baltimore, Md. Extension table. 1,520,337; Dec. 23.
 Deutsch, Frances, New York, N. Y. Form. 1,520,564; Dec. 23.

Devendorf, La Motte K., assignor to Aeco Utilities Co., Albany, N. Y., Knockdown stove, 1,520,565; Dec. 23.
 De Vitalis, Attilio M., New York, N. Y., Food-handling utensil, 1,520,227; Dec. 23.
 Dey, Gilbert S., and H. W. Hill, assignors to American Optical Company, Southbridge, Mass., Lens-grinding machinery, 1,520,631; Dec. 23.
 Dickason, Frank B., assignor of two-fifths to R. C. Harvey, Shreveport, La., Door, 1,520,177; Dec. 23.
 Dietz, Carl F., deceased, Fitzsimmons, Colo.; W. D. Dietz, executrix, Puzzles, 1,520,666; Dec. 23.
 Dietz, Winifred D., executrix, (See Dietz, Carl F.)
 Dodge, Gordon F., Brookline, Mass., Hoisting apparatus, 1,520,538; Dec. 23.
 Dolzer, John J., St. Paul, Minn., Ash tray, 1,520,407; Dec. 23.
 Donnelly, Joseph W., (See Entwistle, T. J., O'Mara, and Donnelly.)
 Donohue, Michael J., (See Mahoney, John P., assignor.)
 Doran, James W., Brooklyn, N. Y., Motion-picture device, 1,520,566; Dec. 23.
 Dorenfeld, Julius, Jr., et al., (See Lawson, Gordon, assignor.)
 Dornself, Hugo, Radevormwald, Germany, Pencil sharpener, 1,520,538; Dec. 23.
 Dorsa, Jerald, (See Grevers, H. J., and Dorsa.)
 Dorsey, Thomas V. S., Lockport, La., Nut lock, 1,520,567; Dec. 23.
 Drake, George W., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio, Thread-chasing attachment for lathes, 1,520,494; Dec. 23.
 Draper Corporation, (See Paschall, John L., assignor.)
 Draper Corporation, (See Stone, Melvin L., assignor.)
 Dreischmann, Hugo, Zurich, Switzerland, Roller bearing, 1,520,053; Dec. 23.
 Duckett, Joseph P., Sisters, Oreg., Grate for burning sawdust, 1,520,539; Dec. 23.
 Dundson, Thomas, Abertridwr, near Cardiff, Wales, Football, net ball, and the like, 1,520,281; Dec. 23.
 Duff, Thomas F., Spokane, Wash., Type-casting machine, 1,520,282; Dec. 23.
 Dulitz, Adolf, Hirschberg, Germany, Manufacture of sealing caps and applying them onto the vessels to be sealed, 1,520,054; Dec. 23.
 Dupon, Peter A., assignor of one-half to D. R. Perry, Altoona, Pa., Automatic railway-crossing gate, 1,520,592; Dec. 23.
 Dupont, Edgard, Antwerp, Belgium, Grate structure for boilers, 1,520,178; Dec. 23.
 E-Z Manufacturing Co., (See Evensta, E. G., and Anderson, assignors.)
 Eastern Manufacturing Company, (See Verow, George W., assignor.)
 Ebeling, Phillip, Bellaire, Ohio, Muffle glass furnace, 1,520,408; Dec. 23.
 Edwards, Alexander T., Detroit, Mich., Washing machine, 1,520,283; Dec. 23.
 Edwards, Robert C., Elizabeth, N. J., assignor to Radio Corporation of America, Pointer for radioreceivers, Des. 66,279; Dec. 23.
 Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich., Hinge, 1,520,179; Dec. 23.
 Eldridge, Francis L., Bourne, England, Sparking plug, 1,520,674; Dec. 23.
 Electric Auto-Lite Company, The, (See Gilchrist, Clarence F., assignor.)
 Electric Boat Company, (See Redell, Charles H., assignor.)
 Electrical Products Manufacturing Company, (See Cote, Omer E., assignor.)
 Ellenwood, Jay W., Pacific Grove, Calif., Filing device, 1,520,568; Dec. 23.
 Elliott Machine Corporation, (See Smith, George, assignor.)
 Elliott, Ray W., et al., (See Hamer, Leland S., assignor.)
 Elliott, Richard C., Plumlee, London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., Typographic composing machine, 1,520,632; Dec. 23.
 Elliott, Richard C., London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., Automatic typographic or type casting and composing machine, 1,520,633; Dec. 23.
 Ellis, George H., St. Paul, Minn., Composite insulating board, 1,520,284; Dec. 23.
 Ellis, Lawrence E., New York, N. Y., Textile fabric, Des. 66,280; Dec. 23.
 Ellis, Lawrence E., New York, N. Y., Textile fabric, Des. 66,281; Dec. 23.
 Elmendorf, Arnim, Chicago, Ill., assignor to Haskelite Manufacturing Corporation, Refrigerator construction, 1,520,409; Dec. 23.
 Elzemyer, Ernst H., and P. S. Kuttel, St. Louis, Mo., Pulverizing machine, 1,520,228; Dec. 23.
 Emerson, Arthur G., Riverbank, Calif., Portable tent, 1,520,569; Dec. 23.
 England, Nathan R., Appleton, Minn., Window fastener, 1,520,180; Dec. 23.
 Entwistle, Thomas J., H. P. O'Mara, and J. W. Donnelly, said Donnelly and said O'Mara assignors of eleven forty-eighths to said Entwistle and one sixteenth to Edward L. Martin, New Orleans, La., Valved-outlet equipment for tank cars, 1,520,285; Dec. 23.
 Epping, Carl J., (See Gaffney, J. J., and Epping.)

Equipment Devices Company, (See Mudd, Frank X., assignor.)
 Escher, Gustav E., Summit, N. J., Measuring apparatus, 1,520,339; Dec. 23.
 Eskildsen, Nels P. R., Hampton, Nebr., Feeding machine, 1,520,634; Dec. 23.
 Evans, John, Sons Inc., (See Evans, William, assignor.)
 Evans, William, assignor to John Evans' Sons Inc., Philadelphia, Pa., Leaf-spring-eyelet-forming machine, 1,520,635; Dec. 23.
 Evensta, Edwin G., and H. J. Anderson, assignors to E-Z Manufacturing Co., Minneapolis, Minn., Laundry-tray faucet, 1,520,018; Dec. 23.
 Fabian, Frank, Allentown, Pa., Machine for buttering rolls, 1,520,286; Dec. 23.
 Farnham, Stephen H., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y., Typewriting machine, 1,520,340; Dec. 23.
 Fauser, Gustave M., assignor to Tingle Manufacturing Company, New York, N. Y., Woven fabric, Des. 66,282; Dec. 23.
 Fauch, Christian, Ecorse, Mich., Auto traction device, 1,520,287; Dec. 23.
 Featherstone, Paul P., Longview, Tex., Fire extinguisher, 1,520,288; Dec. 23.
 Fee, J. C., et al., (See Clemens, William M., assignor.)
 Felker, Winfield W., Racine, Wis., Artificial fish bait, 1,520,636; Dec. 23.
 Feingold, David, (See Feingold, Lipa and D.)
 Feingold, Lipa and D., Brooklyn, N. Y., Steckpin, Des. 66,283; Dec. 23.
 Feist, Michael, Rowena, Tex., Separator and grinder, 1,520,055; Dec. 23.
 Ferngren, Enoch T., (See Soubier, L. D., and Ferngren.)
 Ferngren, Enoch T., assignor to The Owens Bottle Company, Toledo, Ohio, Feeding molten glass, 1,520,229; Dec. 23.
 Firestone Tire and Rubber Company, The, (See Putt, Edward D., assignor.)
 Fischer, Arthur L., Cleveland Heights, assignor to M. H. Glauber, Cleveland, Ohio, Combined water supply and overflow fixture for bathtubs, 1,520,019; Dec. 23.
 Fischer, Cyrus C., (See Thomas, J. M., and Fischer.)
 Fish, C. A., (See Bateman, Theodore E., assignor.)
 Flaherty, John F., assignor to The Beck Bearing Company, Toledo, Ohio, Roll-gauging machine, 1,520,020; Dec. 23.
 Flannery Bolt Company, (See Flannery, E. G., and Greenslade, assignors.)
 Flannery, Eugene G., and G. R. Greenslade, assignors to Flannery Bolt Company, Pittsburgh, Pa., Stay bolt for boilers, 1,520,540; Dec. 23.
 Flath, Otto S., Chicago, Ill., Storage tank, 1,520,230; Dec. 23.
 Fleisher, W. L., & Co., (See Fleisher, Walter L., assignor.)
 Fleisher, Walter L., assignor to W. L. Fleisher & Co. Inc., New York, N. Y., Heating system, 1,520,231; Dec. 23.
 Fleming, Wilfred K., and A. M. Baehr, Lakewood, assignors to The Cleveland Engineering Laboratories Company, Cleveland, Ohio, Storage-cell cover, 1,520,495; Dec. 23.
 Flick, Henry, C. M. Buck, and G. F. Scherer, assignors to Hayes Wheel Company, Jackson, Mich., Boring machine, 1,520,181; Dec. 23.
 Fluckiger, Bertha, St. Imier, Switzerland, Manufacturing process of appliqué plots for metal dials, backs or covers of cases, and the like, 1,520,289; Dec. 23.
 Fluckiger, Gottfried, Eschert, Switzerland, Automatic coupling for railway cars, 1,520,341; Dec. 23.
 Fluke, Edward E., Bearcreek, Mont., Fluid transmission, 1,520,056; Dec. 23.
 Ford, Eardley H., (See Baker, R. E., Cummins, and Ford.)
 Forwood, David F., Taylor, Tex., Grave lining, Des. 66,284; Dec. 23.
 Forwood, David F., Taylor, Tex., Grave lining, Des. 66,285; Dec. 23.
 Foss, Frank, (See Alden, R. C., and Foss.)
 Foster, Theodore W., & Bro. Company, (See Noble, Arthur H., assignor.)
 Fox Automotive Products Corporation, (See Godshalk, Clarence A., assignor.)
 France, Antoine, Liege, Belgium, Moisture-reducing plant for coal washeries, 1,520,410; Dec. 23.
 Frank, John P., Papakou, Hawaii, Burette, 1,520,637; Dec. 23.
 Franklin, Jacob, Des Moines, Iowa, Ventilating device for bats, 1,520,290; Dec. 23.
 Frantz, Albert D., Battle Creek, Mich., Centrifugal machine, 1,520,467; Dec. 23.
 French, Abraham L., Colorado Springs, Colo., Bank guard, 1,520,232; Dec. 23.
 Fricker, Carl J., New York, N. Y., Method of and apparatus for removing wrinkles from used neckwear, 1,520,411; Dec. 23.
 Fuller Brush Company, The, (See Hines, William J., assignor.)
 Furgal, Frank L., Warren, Mass., Support for drop-box pattern chains, 1,520,057; Dec. 23.
 Furman, Eugene C., Newport News, Va., Protective device for liquid containers, 1,520,182; Dec. 23.
 Gabalac, Peter, et al., (See Parnicky, Paul, assignor.)
 Gabriel, Joseph A., Cleveland, Ohio, Liquid and gas regulating valve, 1,520,233; Dec. 23.

Gaffney, James J., and C. J. Epping, Louisville, Ky.; said Epping assignor to said Gaffney, Building, 1,520,638; Dec. 23.
 Gamm, Charles C., St. Paul, Minn., assignor to Waldorf Paper Products Company, Tape-sealing machine, 1,520,633; Dec. 23.
 Garlow, George A., Conneaut, Ohio, Door holder, 1,520,039; Dec. 23.
 Garner, James C., Houston, Tex., Gln, 1,520,412; Dec. 23.
 Gassner, Otto R., St. Louis, Mo., Closure for laundry-machine drums and the like, 1,520,234; Dec. 23.
 Geer, Paul L., Oakland, Calif., Branding machine, 1,520,235; Dec. 23.
 Gelsev, George L., Steubenville, Ohio, Thermionic device, 1,520,640; Dec. 23.
 Geist Manufacturing Company, (See Wiederwax, Robert W., assignor.)
 General Motors Corporation, (See Blackmore, Lloyd, assignor.)
 General Motors Corporation, (See Kopplin, Harry K., assignor.)
 General Motors Corporation, (See Mayse, William H., assignor.)
 General Motors Corporation, (See Tenney, Perry L., assignor.)
 Genesee Hroding Machine Company, The, (See Jenks, T. A., and Hammond, assignors.)
 Gephart, Frank C., and R. H. Harries, New York, N. Y.; said Harries assignor to said Gephart, Making solid, water-soluble tea product, 1,520,122; Dec. 23.
 Glard, Napoleon, St. Michel de Rougemont, Quebec, Canada, Furniture set, 1,520,641; Dec. 23.
 Gibson, John H., Bruhn, Pa., Equalizer, 1,520,058; Dec. 23.
 Gilbert, William L., Clock Company, (See Hodge, Albert P., assignor.)
 Gilchrist, Clarence F., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, Dynamoelectric machine, 1,520,237; Dec. 23.
 Gilchrist, William A., New York, N. Y., Steam-boller furnace, 1,520,236; Dec. 23.
 Gill, Thomas H., (See Myers, William M., assignor.)
 Gillen, George A., Jersey City, N. J., assignor to Gillen, Kinney, Baker Syndicate, Inc., New York, N. Y., Toggle pin, 1,520,123; Dec. 23.
 Gillen, Kinney, Baker Syndicate, Inc., (See Gillen, George A., assignor.)
 Gibson, Bert D., Chicago, Ill., Engine starter, 1,520,468; Dec. 23.
 Gibson, Bert D., Chicago, Ill., Engine starter, 1,520,469; Dec. 23.
 Gloux, Gilbert A., New Orleans, La., Sandpaper holder, 1,520,642; Dec. 23.
 Glair, Harry F., and O. E. Bransky, assignors to Standard Oil Company, Whiting, Ind., Ornamented candle, 1,520,541; Dec. 23.
 Glancy, Anna E., (See Thilly, E. D., and Glancy.)
 Glauzer, Ludwig, Winkler, Kans., Air-cooling device for multiple motors, 1,520,021; Dec. 23.
 Glauber, Morris H., (See Fischer, Arthur L., assignor.)
 Godshalk, Clarence A., assignor to Fox Automotive Products Corporation, Philadelphia, Pa., Locking means for the steering mechanism of motor vehicles, 1,520,643; Dec. 23.
 Goldstein, Louis, Brooklyn, N. Y., Turnover machine, 1,520,644; Dec. 23.
 Gollath Rubber Company, The, (See Mackey, Albert R., assignor.)
 Goodman Manufacturing Company, (See Davis, Charles E., assignor.)
 Goodman Manufacturing Company, (See Pray, Thomas E., assignor.)
 Goodrich, R. F., Company, The, (See Ayres, Hiram D., assignor.)
 Gottschalk, Albert, New York, N. Y., Automatic drain apparatus for reservoirs, 1,520,124; Dec. 23.
 Governors of the University of Toronto, The, (See Wa'den, George B., assignor.)
 Grabau, Hans E., Throggs Neck, assignor, by mesne assignments, to Multiple Cord Corporation, New York, N. Y., Strand for tire fabric and making same, 1,520,342; Dec. 23.
 Grand Rapids Brass Company, (See Ekman, Andrew, assignor.)
 Gravity Dump Manufacturing Company, The, (See McCullough, E. D., and Butcher, assignors.)
 Green, Norris P., Montrose, Colo., Combined blasting gun and chute, 1,520,343; Dec. 23.
 Greenslade, Grover A., (See Flannery, E. G., and Greenslade.)
 Greenwald, Jacob, Philadelphia, Pa., Stocking, Des. 66,286; Dec. 23.
 Greenwald, Jacob, Philadelphia, Pa., Stocking, Des. 66,287; Dec. 23.
 Greenwood Samuel A., (See Pratt, Irwin E., assignor.)
 Grevers, Henry J., and J. Dorsa, Brooklyn, N. Y., Soldering iron, 1,520,645; Dec. 23.
 Grunle, Sigwald C., Chicago, Ill., Machine for separating and gathering sheets of paper, 1,520,022; Dec. 23.
 Gulf Refining Company, (See Pritchard, G. L., and Henderson, assignors.)
 Gunning, William A., (See Maynard, A. E., and Gunning.)

Gustafson, Edward L., Holdrege, Nebr., Valve for Cor-liss engines, 1,520,413; Dec. 23.
 Guyton & Cumfer Mfg. Co., (Cumfer, Harry A., assignor.)
 Hang, John, Mansfield, Ohio, Core-molding machine, 1,520,238; Dec. 23.
 Hans Brothers, Inc., Corporation, (See Jackson, Frank F., assignor.)
 Haug, Fred A., Pittsburgh, Pa., Water-cooling tower, 1,520,125; Dec. 23.
 Hacker, George H., Jr., (See Knutson, A. N., and Hacker.)
 Hahn, Frank R., Decatur, Ill., Building construction, 1,520,344; Dec. 23.
 Hahnemann, Walter, Kitzberg, near Kiel, assignor to the Firm Stenul Gesellschaft m. b. H., Kiel, Germany, Transmitting and receiving device for submarine sound waves, 1,520,291; Dec. 23.
 Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J., Air-line offer, 1,520,023; Dec. 23.
 Hamer, Leland S., Fullerton, assignor of one-third to L. D. Hilton, Long Beach, two-ninths to R. W. Elliott, and one-ninth to L. S. Lyon, Los Angeles, Calif., Well cap, 1,520,183; Dec. 23.
 Hamilton, Don, Salt Lake City, Utah, Ladder, 1,520,414; Dec. 23.
 Hamilton, Walter B., Lancaster, England, and F. Reid, Norfolk, Va., Reduction of metals, 1,520,240; Dec. 23.
 Hamilton, William M., Honey Island, N. Y., Game apparatus, 1,520,345; Dec. 23.
 Hamlin, Arthur D., deceased; M. M. Hamlin, administratrix, Portland, Me., Shaking and dumping grate, 1,520,239; Dec. 23.
 Hamlin, Minnie M., administratrix, (See Hamlin, Arthur D.)
 Hammond, Robert O., (See Jenks, T. A., and Hammond.)
 Hanson, Harry, Somerville, Mass., Holding device for articles, 1,520,542; Dec. 23.
 Hanson, Henry, (See Carlson, Gustave O., assignor.)
 Hanson, Henry A., Chicago, Ill., Mop, 1,520,646; Dec. 23.
 Happe, Arthur H., Detroit, Mich., Electric heater, 1,520,241; Dec. 23.
 Hardman, Frederick J., assignor to Delco-Light Company, Dayton, Ohio, Battery-charging system, 1,520,682; Dec. 23.
 Hardy, Arthur J., (See Shillito, C., and Hardy.)
 Harper, George E., Galveston, Tex., Battery terminal, 1,520,675; Dec. 23.
 Harries, Rudolph, H., (See Gephart, F. C., and Harries.)
 Harris, Charles, Chicago, Ill., and M. A. Katz, Cleveland, Ohio, Mounting doll heads on box lids, 1,520,346; Dec. 23.
 Harrold, John G., Newark, N. J., Automatic gas cut-off and fire alarm, 1,520,126; Dec. 23.
 Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., Typewriting machine, 1,520,127; Dec. 23.
 Hart, Frederick H. M., Poughkeepsie, N. Y., assignor to J. R. Short Milling Company, Quickly-detachable connection between members and supporting shafts, 1,520,128; Dec. 23.
 Harvey, Ray C., (See Dickason, Frank B., assignor.)
 Haskelite Manufacturing Corporation, (See Elmendorf, Arnim, assignor.)
 Hessel, William W., et al., (See Smith, Arthur C., assignor.)
 Haynes, George R., Waynesboro, Va., Nonslip clothesline grip, 1,520,570; Dec. 23.
 Hayes Wheel Company, (See Flick, H. L., Buck, and Scherer, assignors.)
 Hedeon, Arthur E., Portland, Oreg., Nut and fruit gatherer, 1,520,129; Dec. 23.
 Hein, George N., (See Platt, F. L., Hein, and Imper.)
 Heinke, John C., Springfield, Ill., Grain-weighing attachment for thrashing machines, 1,520,470; Dec. 23.
 Heluz, Harry E., Minneapolis, Minn., Furnace regulator, 1,520,496; Dec. 23.
 Helsey, A. H., & Company, (See Balda, Joseph O., assignor.)
 Helsey, A. H., & Company, (See Helsey, T. Clarence, assignor.)
 Helsey, T. Clarence, assignor to A. H. Helsey & Company, Newark, Ohio, Dish, Des. 66,288; Dec. 23.
 Henderson, Herbert, (See Pritchard, G. L., and Henderson.)
 Hennegan, James T., Cincinnati, Ohio, Flowerpot cover, 1,520,647; Dec. 23.
 Hercules Powder Company, (See Shapleigh, James H., assignor.)
 Hertler, Julius, (See Clark, Edward A., assignor.)
 Hill, Harry W., (See Dey, G. S., and Hill.)
 Hilton, L. D., et al., (See Hamer, Leland S., assignor.)
 Himmelfarb, Max, Brooklyn, N. Y., Serving tray, 1,520,024; Dec. 23.
 Hines, William J., assignor to The Fuller Brush Company, Hartford, Conn., Brush holder, Des. 66,289; Dec. 23.
 Hipwell, Harry H., Pittsburgh, Pa., Switch for portable electric lamps, 1,520,025; Dec. 23.
 Hodge, Albert P., assignor to William L. Gilbert Clock Company, Windsor, Conn., Clock, 1,520,415; Dec. 23.
 Hofmann, Josef, Baumaroche, assignor to Alfred Joel & Co., Zurich, Switzerland, Shock absorber, 1,520,347; Dec. 23.

Hofmann, Josef, Baunreche, Switzerland. Shock absorber. 1,520,348; Dec. 23.
 Hogg, James A., Lowell, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Back washer immersing and squeezing feeder. 1,520,184; Dec. 23.
 Hollands, Harry F., Detroit, Mich. Divided grate. 1,520,243; Dec. 23.
 Holmes, Edward. (See Lightner, A. D., and Holmes.)
 Holmes Electric Protective Company. (See Manson, Walter B., assignor.)
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Rotary fluid-pressure motor. 1,520,212; Dec. 23.
 Holt, Ames S., Glen Riddly, Pa. Calendar. 1,520,648; Dec. 23.
 Holt Manufacturing Company, The. (See Best, Clarence L., assignor.)
 Holt Manufacturing Company, The. (See Coburn, Ernest, assignor.)
 Holt Manufacturing Company, The. (See Holt, Philip E., assignor.)
 Holt Manufacturing Company, The. (See Nordius, Emil F., assignor.)
 Holt Manufacturing Company, The. (See Thoen, Lowell H., assignor.)
 Holt, Philip E., assignor to The Holt Manufacturing Company, Stockton, Calif. Spring-mounted truck roller for tractors. 1,520,416; Dec. 23.
 Hope, Homer E., Princeton, N. J. Adjustable cot. 1,520,649; Dec. 23.
 Hornquist, Frank, Mount Vernon, Pa. Bolster and axle assembly for children's wagons. 1,520,650; Dec. 23.
 Horsch, G., Carlton, and J. L. Wheeler, assignors to The Measuring Company, St. Louis, Mo. Fabric measuring and cost computing machine. 1,520,474; Dec. 23.
 Houghland, Albert C., St. Paul, Minn., assignor to Crane Company of Minnesota. Coating food containers. 1,520,244; Dec. 23.
 Howard, Charles L., Saugus, and L. Sharp, North Attleboro, assignors to Paper Products Machine Company, Boston, Mass. Fabric or paper reinforcing machine. 1,520,349; Dec. 23.
 Huber, Alfred, et al. (See Kucharski, Stanislaus, assignor.)
 Hubbel, Joseph, Detroit, Mich. Indicator. 1,520,417; Dec. 23.
 Hugh, Frank, New York, N. Y. Nail band and producing the same. 1,520,026; Dec. 23.
 Humbrecht, Jules, Friedmann, near Berlin, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedmann, Germany. Periscope with transparent hood. 1,520,245; Dec. 23.
 Humphrey, Charles F., Lancaster, Pa., assignor to Armstrong Cork Company. Surface covering and decorating the same. 1,520,139; Dec. 23.
 Hunt, Frank J. (See Irwin, William C., assignor.)
 Hunt, Thomas E., Chicago Heights, assignor to Quaker Manufacturing Company, Chicago, Ill. Ironing machine. 1,520,246; Dec. 23.
 Hurst, Henry A., Cincinnati, Ohio. Winding device for spring motors. 1,520,418; Dec. 23.
 Hurst, Albert E., assignor to Textile Publishing Company, New York, N. Y. Display device. 1,520,472; Dec. 23.
 Impey, Robert R. (See Platt, F. L., Hein, and Impey.)
 Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic keyboard machine. 1,520,571; Dec. 23.
 Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic casting and composing machines. 1,520,572; Dec. 23.
 Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic mold mechanism. 1,520,573; Dec. 23.
 Ingersoll, Charles A., Portland, assignor to Russell Mfg. Co., Middletown, Conn. Transmission band for Ford cars. 1,520,497; Dec. 23.
 Ingersoll-Rand Company. (See Carpenter, A. O., and Le Valley, assignors.)
 Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
 Ironmonger, Robert S., New York, N. Y., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Theft-proof lamp construction. 1,520,350; Dec. 23.
 Irwin, William C., assignor of one-half to F. J. Hunt, Rochester, N. Y. Combination puzzle and game. 1,520,651; Dec. 23.
 Jackson, Arthur C., assignor to Miller Lock Company, Philadelphia, Pa. Combination knob and dial for a lock. Dec. 23, 1,520,290; Dec. 23.
 Jackson, Frank F., Brooklyn, assignor to Huns Brothers Fabrics Corporation, New York, N. Y. Textile fabric. Dec. 23, 1,520,291; Dec. 23.
 Jacob, Heinrich, Friedmann, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedmann, near Berlin, Germany. Oblong drop projectile. 1,520,131; Dec. 23.
 Jacobs, John R., Blacksburg, Va. Safety lamp. 1,520,574; Dec. 23.
 Jacobsen, Charles H., and C. Broer, Detroit, Mich. Refrigerator unit for domestic refrigerators. 1,520,248; Dec. 23.
 Jacobson, Richard S., Chicago, Ill. Portable shoveling and unloading machine. 1,520,247; Dec. 23.
 Jeffery, Alexander, Saginaw, Mich. Stone spreader. 1,520,059; Dec. 23.

Jenks, Thomas A., and R. O. Hammond, assignors, by mesne assignments, to The Genesee Broiling Machine Company, Inc., Rochester, N. Y. Broiler. 1,520,495; Dec. 23.
 Jensen, Lauritz D., Lekken Verk, near Trondhjem, Norway. Material handling apparatus. 1,520,652; Dec. 23.
 Jobski, Otto H., Cleveland, Ohio, assignor, by mesne assignments, to J. H. Wagenhorst, Jackson, Mich. Wheel. 1,520,060; Dec. 23.
 Joel, Alfred, & Co. (See Hofmann, Josef, assignor.)
 John, Ferdinand, Dusseldorf, Germany. Rotary key clutch. 1,520,451; Dec. 23.
 Johanson, Adolph T., et al., trustees. (See Simmons, Charles H., assignor.)
 Johnson, Andrew, Brewster, Wash. Fruit handling and sorting apparatus. 1,520,352; Dec. 23.
 Johnson, Axel, Oakland, Calif. Quick-acting thermostat. 1,520,499; Dec. 23.
 Johnson, Carl G., Eau Claire, Wis. Camera. 1,520,185; Dec. 23.
 Johnson, Frederick H., South Pasadena, Calif. System and means of control. 1,520,132; Dec. 23.
 Johnson, Henry O., Wichita, Kans. Wrench. 1,520,653; Dec. 23.
 Johnson, John C., High Point, N. C. Gasoline filter. 1,520,654; Dec. 23.
 Johnson Service Company. (See Otto, Arthur J., and C. V., assignors.)
 Jones, Luben E., Alexandria, Mont. Metal folding machine. 1,520,419; Dec. 23.
 Jourd'he, Charles, New Orleans, La. Map. 1,520,599; Dec. 23.
 Kaiser, Thomas O., assignor to Warren-Kaiser, Incorporated, Rochester, N. Y. Badge. Dec. 23, 1,520,292; Dec. 23.
 Kandarian, John, Providence, R. I. Adjustable valve and spring. 1,520,575; Dec. 23.
 Kanuritz, Mike, et al. (See Parnicki, Paul, assignor.)
 Katz, Martin A. (See Harris, C., and Katz.)
 Kauf, John, Glen Morgan, W. Va. Brake band. 1,520,055; Dec. 23.
 Kaufmann, Elmer, Milwaukee, Wis. Airpump attachment for automobiles. 1,520,249; Dec. 23.
 Kavanaugh, Edwin C., Bethlehem, Pa. Internal-combustion engine. 1,520,250; Dec. 23.
 Kanton, James R., Stockton, Wash. Hook. 1,520,576; Dec. 23.
 Kehoe, William E., San Francisco, Calif. Table. Dec. 23, 1,520,293; Dec. 23.
 Keller, John A., Bay Shore, and C. Spielmann, Richmond Hill, N. Y., and Spielmann assignor, by mesne assignments, to said Keller. Numbering mechanism for ticket printing machines. 1,520,354; Dec. 23.
 Kelley, Logan N., assignor to C. E. Stude, New York, N. Y. Fluid vacuum feed device. 1,520,355; Dec. 23.
 Kelly, George R., Dover, Mo. Horse collar. 1,520,061; Dec. 23.
 Kelsey, Willard A. (See Stoneback, J. G., and Kelsey.)
 Kendall, Edward P., Bowdoinham, Me. Vegetable harvester. 1,520,577; Dec. 23.
 Kent, Arthur A., Ardmore, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Condenser and holder therefor. 1,520,027; Dec. 23.
 Kerr, Duncan M., Palmerton, Pa. Removable cap for containers. 1,520,259; Dec. 23.
 Kestenman Brothers Mfg. Co. (See Kestenman, Charles H., assignor.)
 Kestenman, Charles H., assignor to Kestenman Brothers Mfg. Co., Providence, R. I. Expandable metal band. 1,520,186; Dec. 23.
 Ketterer, Alphonse C., and G. P. Shanker, Santa Barbara, assignors of one-tenth to J. A. Allard, Jr., Pomona, Calif. Coin clock bank. 1,520,056; Dec. 23.
 Kideney, Robert J., and S. L., Buffalo, N. Y. Bath cabinet. 1,520,420; Dec. 23.
 Kideney, Sylvia L. (See Kideney, Robert J., and S. L.)
 Klime, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,520,251; Dec. 23.
 Kitchell, Joseph, assignor to T. H. Adams, Vincennes, Ind. Seal. 1,520,578; Dec. 23.
 Kleckner, Arthur C., assignor to Webster Electric Company, Racine, Wis. Portable lamp. 1,520,473; Dec. 23.
 Knittel, Paul S. (See Elzemeyer, E. H., and Knittel.)
 Knutson, Amos N., and G. H. Hacker, Jr., Benson, Minn. Attachment for butter printers. 1,520,579; Dec. 23.
 Kohler, Gustav E., Rochester, N. Y. Coupling. 1,520,062; Dec. 23.
 Kohn, Milton, M., New York, N. Y. Electrical food and beverage preparing device. 1,520,501; Dec. 23.
 Kohn, Thomas J., and J. J. Plouch, Glensy, Pa. Rail clamp. 1,520,657; Dec. 23.
 Kolar, Frank E., St. Paul, Minn. Electrical connector and supporting device. 1,520,421; Dec. 23.
 Kopplin, Harry K., Jackson, assignor to General Motors Corporation, Detroit, Mich. Rim-plating machine. 1,520,676; Dec. 23.
 Krause, Walter, Friesack, Germany. Pipe joint. 1,520,028; Dec. 23.
 Krav, Elmer P., Chicago, Ill. Aeroplane. 1,520,292; Dec. 23.
 Kucharski, Stanislaus, Charlottenburg, Germany, assignor to A. Huber and W. Simons, Berne, Switzerland. Film-feed mechanism for photographic cameras. 1,520,658; Dec. 23.

Kuehnrich, Paul R., Sheffield, England. Manufacture of steel. 1,520,063; Dec. 23.
 Lacy, John H., Boston, Mass. Automobile choker protector. 1,520,064; Dec. 23.
 Lanston Monotype Machine Company. (See Elliott, Richard C., assignor.)
 Lanston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
 Larner, Chester W., Philadelphia, Pa., assignor to William Crump & Sons Ship and Engine Building Company. Valve. 1,520,474; Dec. 23.
 Lawaczek, Franz, Pocking, Upper Bavaria, Germany. Automatic thrust bearing. 1,520,356; Dec. 23.
 Lawson, Elmo E., et al. (See Lawson, Gordon, assignor.)
 Lawson, Gordon, Wharton, Tex., assignor of one-fourth and thirty-three four-thousandths to T. Rogge, Lavaca County, one hundred and sixty-five one-thousandths to J. T. Stockton, forty-five four-thousandths to J. Do- renfeld, Jr., Travis County, one hundred and ninety-one one-thousandths to G. G. Lawson, Matagorda County, and one hundred and ninety-one one-thousandths to E. E. Lawson, San Patricio County, Tex. Cotton drier. 1,520,187; Dec. 23.
 Lawson, Grover G., et al. (See Lawson, Gordon, assignor.)
 Lea, Norman, Coventry, and J. Ree, Pinner, England. Electromagnetic wave signaling system. 1,520,580; Dec. 23.
 Le Bonthillier, Joseph A., Chicago, Ill. Advertising device. 1,520,188; Dec. 23.
 Lefebvre, Edward A., Long Island City, N. Y. Sound amplifier. 1,520,581; Dec. 23.
 Lester, Arthur. (See Cassel, Gunmar E., assignor.)
 Lester, Eugene A., Punta Gorda, British Honduras. Sling pan. 1,520,582; Dec. 23.
 Le Valley, John. (See Carpenter, A. O., and Le Valley.)
 Levine, Abraham, Elizabeth, N. J., assignor to Presto Metal Stamping Corporation, New York, N. Y. Locking or holding hasp. 1,520,189; Dec. 23.
 Lewis, Harvey, Chicago, Ill. Spout for dispensing receptacles. 1,520,029; Dec. 23.
 Lewis, William H. (See Cosgrave, A. B., and Lewis.)
 Lichinsky, Valentin, et al. (See Lawson, Gordon, assignor.)
 Lieberman, George, Houston, Tex. Extracting machine. 1,520,190; Dec. 23.
 Lightner, Arthur D., and E. Holmes, assignors to The Williams-Overland Company, Toledo, Ohio. Decking system. 1,520,293; Dec. 23.
 Lind, Arvid, Stockholm, Sweden. Saw blade. 1,520,422; Dec. 23.
 Lockster, John T., Minneapolis, Minn. Nicotine absorber. 1,520,252; Dec. 23.
 Ljungström, Fredrik, Lidings-Brevik, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Locomotive provided with condensers. 1,520,423; Dec. 23.
 Lohel, Leon, assignor to Dr. Lohel's Spring Arch Support Co., Inc., New York, N. Y. Arch support. 1,520,065; Dec. 23.
 Lohel's, Dr., Spring Arch Support Co. (See Lohel, Leon, assignor.)
 Locke, Henry A. (See Bersquist, Charles H., assignor.)
 Lord, Hugh C., Erie, Pa. Method of and apparatus for producing sound. 1,520,357; Dec. 23.
 Lord, Hugh C. (See Waters, Samuel S., assignor.)
 Lorenz, William R., New York, N. Y. Toy balloon. Dec. 23, 1,520,294; Dec. 23.
 Lotz, William A., assignor to The T & L Co., Inc., Newark, N. J. Latch fastener for bags. 1,520,030; Dec. 23.
 Lowry, George A., Indianapolis, Ind., assignor, by mesne assignments, to Tropical Fibre Corporation. Shredding fibrous plant leaves. 1,520,358; Dec. 23.
 Lowry, George A., Indianapolis, Ind., assignor, by mesne assignments, to Tropical Fibre Corporation. Machine for shredding the leaves of fibrous plants. 1,520,359; Dec. 23.
 Lockhart, Harold J., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Fluid-pressure regulator. Dec. 23, 1,520,583; Dec. 23.
 Lucas, Noah E., Norwich, Conn. Stripper for under-cleaver rolls. 1,520,031; Dec. 23.
 Lundblad, Emil O., Medford, Mass. Discharge closure for liquid containers. 1,520,502; Dec. 23.
 Lundeen, August A., Brooklyn, N. Y. Weather strip. 1,520,584; Dec. 23.
 Lussan, Walter C., Haverford, Pa. Automatic intake check valve. 1,520,585; Dec. 23.
 Lyon, Leonard S., et al. (See Hamer, Leland S., assignor.)
 Lytton Incorporated. (See Lytton, Walter, assignor.)
 Lytton, Walter, assignor to Lytton Incorporated, Chicago, Ill. Cabinet. Dec. 23, 1,520,295; Dec. 23.
 MacGregor, Joseph F., Meadville, Pa. Copyholder. 1,520,363; Dec. 23.
 MacGregor, Stuart E., Windsor, Ontario, Canada. Alloy. 1,520,033; Dec. 23.
 Mackensen, Otto. (See Bauersfeld, W., and Mackensen.)
 Mackey, Albert B., Cleveland Heights, assignor to The Goliath Rubber Company, Cleveland, Ohio. Making steering-wheel rims. 1,520,191; Dec. 23.
 Mackie, John P., Belfast, Ireland. Card feed. 1,520,034; Dec. 23.

Madden, Frank A. (See Walters, A. B., and Madden.)
 Maddock & Miller, Inc. (See Miller, John J., assignor.)
 Madigan, Thomas J., New York, N. Y. Pinner for headlights. 1,520,192; Dec. 23.
 McBeney, John P., assignor of one-half to M. J. Donahue, Amsterdam, N. Y. Combination shade and curtain hanger. 1,520,066; Dec. 23.
 Malin, Henry, Johannesburg, Transvaal, South Africa. Combined desk set and lamp. Dec. 23, 1,520,296; Dec. 23.
 Mann, Willy, Neudorf, near Suhl, Germany. Automatic pistol. 1,520,298; Dec. 23.
 Manson, Ray H., assignor to The Strongberg Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiojack. 1,520,661; Dec. 23.
 Manson, Walter B., East Orange, N. J., assignor to Holmes Electric Protective Company, New York, N. Y. Switching device. 1,520,193; Dec. 23.
 Marshall, Luther A., Floydada, Tex. Joy road. 1,520,299; Dec. 23.
 Martin, Edward L. (See Entwistle, T. J., O'Mara, and Donnelly, assignors.)
 Mathosius, Hans. (See Mathosius, Walter and H.)
 Mathosius, Walter and H., Charlottenburg, near Berlin, Germany. Lead alloy and making same. 1,520,254; Dec. 23.
 Markovic, Philip, Davenport, Iowa. Chiropactic posture stool. 1,520,589; Dec. 23.
 Matteson, Jesse O. (See Bishop, J. W., and Matteson.)
 Matthews, Carl A., Nashville, Tenn. Attachment for wreckers. 1,520,194; Dec. 23.
 Maury, Léon, Begles, France. Mechanism for automatically locking carriage doors. 1,520,067; Dec. 23.
 Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company, Compressor. 1,520,255; Dec. 23.
 Mayberry, James B., Shreveport, La. Agitator for chain pumps. 1,520,195; Dec. 23.
 Maynard, Albert E., and W. A. Gunning, assignors to American Optical Company, Southbridge, Mass. Lens-surfacing machine. 1,520,662; Dec. 23.
 McArthur, Finley, Montreal, Canada. Watering device. 1,520,193; Dec. 23.
 McAmis, Egbert E., Gower, Mo. Stirrup. 1,520,586; Dec. 23.
 McCarley, Clark V., McClure, Ohio. Light deflector. 1,520,475; Dec. 23.
 McCaskey, Joseph, Wilkeson, Wash. Automatic electric safety switch and carburetor control for automobiles. 1,520,294; Dec. 23.
 McCaskey, James F., Cleveland, Ohio. Storage battery. 1,520,587; Dec. 23.
 McClure, Charles J., Eagle Rock, Calif. Liquid-level gauge. 1,520,361; Dec. 23.
 McClure, Charles J., Eagle Rock, assignor of one-half to J. A. Byrne, Los Angeles, Calif. Liquid-level gauge. 1,520,360; Dec. 23.
 McCulloch, Harold W., New York, N. Y. Nut lock. 1,520,032; Dec. 23.
 McCullough, Charles, assignor to C. S. McCullough, Berkeley, Calif. Machine for treating eggs. 1,520,424; Dec. 23.
 McCullough, Clara S. (See McCullough, Charles, assignor.)
 McCullough, Eli D., and A. W. Butcher, Solomon, Kans., assignors to The Gravity Dump Manufacturing Company. Wagon and truck dump. 1,520,295; Dec. 23.
 McCullough, Eli D., and A. W. Butcher, Solomon, Kans., assignors to The Gravity Dump Manufacturing Company. Wagon and truck dump. 1,520,296; Dec. 23.
 McDonnell, Frank S., Mattapan, assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Paper-making machine. 1,520,659; Dec. 23.
 McGinnis, Joseph M., Philadelphia, Pa. Removal valve mechanism for underground liquid tanks. 1,520,362; Dec. 23.
 McKay, Donald, Montgomery, Ala. Dirigible headlight. 1,520,425; Dec. 23.
 McKenna, Horatio, Edmonds, Wash. Flash light. 1,520,297; Dec. 23.
 McKennie, Beverly R. (See Snodgrass, Joseph C., assignor.)
 McLanahan, Robert J., Woodlawn, Pa. Water-closet structure. 1,520,476; Dec. 23.
 McMahon, John E., St. Paul, Minn. Shovel handle. 1,520,253; Dec. 23.
 Mellae, William A. R. M., London, England. Washing apparatus suitable for the treatment of paper pulp and for other purposes. 1,520,588; Dec. 23.
 McQuitty, Robert A., London, assignor to George Nelson Dale & Company, Limited, Warwick, England. Apparatus for manufacturing thin sheets of gelatine. 1,520,660; Dec. 23.
 Menchen, James, Dickson, Pa. Fishing-rod support. 1,520,543; Dec. 23.
 Monde, Harold W., Yeddo, Ind. Window operating device. 1,520,300; Dec. 23.
 Mesuregraph Company, The. (See Horsch, G. C., and Wheeler, assignors.)
 Medart, Fred Manufacturing Company. (See Medart, P. S., and Albach, assignors.)
 Medart, Philip S., and F. Albach, assignors to Fred Medart Manufacturing Company, St. Louis, Mo. Basketball goal. 1,520,196; Dec. 23.
 Meeks, Henry G., assignor of one-half to F. Stevenson, Palmetto, Fla. Spray for tomato rust. 1,520,197; Dec. 23.

Melcherhofer, George, St. Louis, Mo. Automobile signal. 1,520,477; Dec. 23.
 Merzenthaler Linotype Company. (See Ackerman, William, assignor.)
 Merriek, Howard W., assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio. Making a felted and woven fabric. 1,520,198; Dec. 23.
 Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
 Meyers, Joseph A., assignor to J. A. Meyers & Co. Inc., Los Angeles, Calif. Badge or article of similar nature. Des. 66,297; Dec. 23.
 Meyers, J. A., & Co. (See Meyers, Joseph A., assignor.)
 Mezel, George, Clinchco, Va. Combined milk and mail box. 1,520,544; Dec. 23.
 Michel, Christopher R., Oakland, Calif. Combination combination seat. 1,520,301; Dec. 23.
 Michigan Steel Tube Products Company. (See Berg, Richard O. and S., assignors.)
 Miller, James I., Blacksburg, W. Va. Jack hanger. 1,520,590; Dec. 23.
 Miller, John J., Montclair, N. J., assignor to Maddock & Miller, Inc., New York, N. Y. Plate or similar article. Des. 66,298; Dec. 23.
 Miller, John J., Montclair, N. J., assignor to Maddock & Miller, Inc., New York, N. Y. Plate or similar article. Des. 66,299; Dec. 23.
 Miller Lock Company. (See Jackson, Arthur C., assignor.)
 Mills, David B., Montclair, N. J. Coupling for electrical conductors. 1,520,503; Dec. 23.
 Mills, David S. (See Schmidt, Frank J., assignor.)
 Mishne, Joseph. (See Schwartz, Joseph H., assignor.)
 Mitchell, Basil, St. Joseph, Mo. Padlock. 1,520,935; Dec. 23.
 Mitts & Merrill. (See Mitts, Philip S., assignor.)
 Mitts, Philip S., Saginaw, Mich. Assignor to Mitts & Merrill. Knife-clamping device. 1,520,068; Dec. 23.
 Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Automobile hand-jack handle. 1,520,134; Dec. 23.
 Modern Chemical Manufacturing Company. (See Shrum, Will N., assignor.)
 Molsberger, Bernard, Fort Sam Houston, Tex. Renewable broom. 1,520,591; Dec. 23.
 Mongillo, Giacomo, Derby, Conn. Assignor of one-third to J. Mongillo, Salamanca, N. Y., and one-third to J. J. Bennett, Ansonia, Conn. Amusement apparatus. 1,520,592; Dec. 23.
 Mongillo, John, et al. (See Mongillo, Giacomo, assignor.)
 Montgomery, Samuel A. (See Payne, E. H., and Montgomery.)
 Monti, Eudo, Turin, Italy. Apparatus for evaporating solutions. 1,520,069; Dec. 23.
 Moon, James A., Los Angeles, Calif. Converting device for wall beds. 1,520,256; Dec. 23.
 More, Robert W., Chicago, Ill. System of operation of automatic typewriters and devices thereof. 1,520,478; Dec. 23.
 Morgan, Robert P., Worcester, Mass. Door silencer. 1,520,199; Dec. 23.
 Morgan, William C., assignor to Zero Ice Cream Dipping Machine Company, Inc., Everett, Wash. Frozen confection. 1,520,302; Dec. 23.
 Morganroth, Charles K. (See Murphy, John M., assignor.)
 Morlan, Ross L., and L. J. Costello, Des Moines, Iowa. Combination license-plate and tail-light structure. 1,520,257; Dec. 23.
 Morris, Mann & Kelly, Inc. (See Danske, Robert, assignor.)
 Morton, Albert H., Lowell, Mass. Pick counter for looms. 1,520,364; Dec. 23.
 Mosley, Harley C., Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Electrical rolling apparatus. 1,520,426; Dec. 23.
 Moyse, William H., Oshawa, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich. Adjustable steering column for automobiles. 1,520,677; Dec. 23.
 Mudd, Frank N., Chicago, Ill. Assignor, by mesne assignments, to Equipment Devices Company, Truck for transporting live poultry. 1,520,504; Dec. 23.
 Muehlhauser, Martin W. (See Seefeld, S. W., and Muehlhauser.)
 Müller, Heinrich, assignor to Action-Gesellschaft Weser, Bremen, Germany. Engine or motor governor. 1,520,593; Dec. 23.
 Muller, John, Beechurst, N. Y. Machine for forming a rim on the back of watchcases. 1,520,594; Dec. 23.
 Mulrony, Frank M., Fort Dodge, Iowa. Necktie. 1,520,427; Dec. 23.
 Multiple Cord Corporation. (See Grabau, Hans E., assignor.)
 Murphy, John M., assignor of one-half to C. K. Morganroth, Shamokin, Pa. Transmission gear. 1,520,545; Dec. 23.
 Murray, John, London, England. Rotary printing machine. 1,520,546; Dec. 23.
 Myers, Harold L., Morristown, N. J. Box. 1,520,135; Dec. 23.
 Myers, William M., St. Joseph, Mo., assignor to T. H. Gill, Milwaukee, Wis. Refrigerator. 1,520,200; Dec. 23.
 Nakhara, Asakichi, Seattle, Wash. Brush. 1,520,595; Dec. 23.

National Paper Can Company, The. (See Brooks, Lewis C., assignor.)
 Neff, James R., Indianapolis, Ind. Soda-water apparatus. 1,520,136; Dec. 23.
 Nelson, Axel, Philadelphia, Pa. Automatic railway crossing gate. 1,520,428; Dec. 23.
 Nelson, Hans P., New York, N. Y. Umbrella carrier. 1,520,070; Dec. 23.
 Nenonen, John N., Aberdeen, Wash. Fuse. 1,520,201; Dec. 23.
 Nestor, Thomas J., Bergenfield, N. J., assignor to A. Reich and W. Salzman, New York, N. Y. Shopping bag. 1,520,071; Dec. 23.
 Neville, David J., Denver, Colo., assignor to The Stearns-Roger Manufacturing Company, Crusier. 1,520,202; Dec. 23.
 Newman, Almyr L., Warwick, assignor to A. L. Newman & Company, Cranston, R. I. Bracelet clasp. 1,520,203; Dec. 23.
 Newman, A. L., & Company. (See Newman, Almyr L., assignor.)
 Newton, Edward H., and J. Sutter, Birmingham, England. Pendulum level. 1,520,429; Dec. 23.
 Nichols, Samuel D., Fond du Lac, Wis. Ribbed article and forming same. 1,520,303; Dec. 23.
 Nicholson, Frank H., Wilkesburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,520,072; Dec. 23.
 Nielsen, Niels, Pittsburg, Calif. Automatic stamping machine with magazine. 1,520,365; Dec. 23.
 Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Lipstick holder. 1,520,430; Dec. 23.
 Noble, George A., Marysville, Calif. Concrete mold. 1,520,431; Dec. 23.
 Norrellus, Emil F., Peoria, Ill. Assignor to The Holt Manufacturing Company, Stockton, Calif. Traction engine. 1,520,432; Dec. 23.
 Numajlyk, Nicholas, Winnipeg, Manitoba, Canada. Cattle guard. 1,520,547; Dec. 23.
 Nye, Roy L., Des Moines, Iowa. Tattler sent for infants. 1,520,304; Dec. 23.
 O'Brien, Thomas H. (See Vorndike, Anthony A., assignor.)
 O'Connell, Charles H., Rochester, N. Y. Electrical connection. 1,520,073; Dec. 23.
 Odum, Daniel E., Bennettsville, S. C. Spring motor. 1,520,548; Dec. 23.
 Ohnes, Ragim, Arlington, S. Dak. Dishwashing machine. 1,520,667; Dec. 23.
 O'Mara, Henry P. (See Entwistle, T. J., O'Mara, and Donnelly.)
 Opich, Nick, Benwood, W. Va. Water clock. 1,520,204; Dec. 23.
 Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Humbrecht, Jules, assignor.)
 Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)
 Osborn, Alden E., New York, N. Y. Internal combustion engine. 1,520,205; Dec. 23.
 Oser, Adam, Lyon, assignor to Societe Chimique des Usines du Rhone, Paris, France. Compressed vanilla tablet. 1,520,366; Dec. 23.
 Otero, Juan A., assignor to G. W. Cooke, La Plata, Argentina. Electric interrupter. 1,520,074; Dec. 23.
 Otto, Arthur J. and C. A., assignors to Johnson Service Company, Milwaukee, Wis. Thermostatic couple. 1,520,549; Dec. 23.
 Otto, Carl A. (See Otto, Arthur J. and C. A.)
 Owen, William W., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Measured service water system. 1,520,206; Dec. 23.
 Owens Bottle Company, The. (See Ferguson, Enoch T., assignor.)
 Owen Bottle Company, The. (See Souder, L. D., and Ferguson, assignors.)
 Pacific Car and Foundry Company. (See Christwell, Frederick W., assignor.)
 Packard, Roscoe M., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pattern-grinding machine. 1,520,075; Dec. 23.
 Page, Christopher M., et al. trustees. (See Simmons, Charles H., assignor.)
 Page, Milton E., Jr., et al. trustees. (See Simmons, Charles H., assignor.)
 Paige, Arthur E., Philadelphia, Pa. Vehicle lock and electric circuit. 1,520,076; Dec. 23.
 Palm, Victor H., Butler, Pa. Pumping apparatus for wells. 1,520,077; Dec. 23.
 Paper Products Machine Company. (See Howard, C. H., and Sharp, assignors.)
 Parker, William S., assignor to Huron Knitting Company, Rockford, Ill. Needle-actuating cam for knitting machines. 1,520,479; Dec. 23.
 Parkersburg Rig & Reel Company, The. (See Lockhart, Harold J., assignor.)
 Parks-Cramer Company. (See Comfort, Edward W., assignor.)
 Paruleky, Paul, Kenmore, assignor of one-half to P. Gabalac and one-fourth to M. Kanulitz, Akron, Ohio. Automatic railway gate. 1,520,433; Dec. 23.
 Paschall, John L., St. Louis, Mo., assignor to Draper Corporation, Hopedale, Mass. Cloth hold down for looms. 1,520,434; Dec. 23.

Patent Button Company, The. (See Carley, Leonard R., assignor.)
 Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Preparing adsorbent and catalytic oxides. 1,520,305; Dec. 23.
 Patten, John, Baltimore, assignor of one-half to S. M. Shoemaker, Burnside, Eccleston, Md. Votting machine. 1,520,078; Dec. 23.
 Payne, Elmer H., and S. A. Montgomery, Wood River, Ill. Assignors to Standard Oil Company, Whiting, Ind. Chlorination of hydrocarbon gases. 1,520,506; Dec. 23.
 Pearson, Carl E., assignor to The Teagle Company, Cleveland, Ohio. Impulse drive mechanism for magnetos. 1,520,207; Dec. 23.
 Peck, Alvah A., Underwood, N. Dak. Repair device for pneumatic tires. 1,520,550; Dec. 23.
 Peck, Earl K. (See Von Glahn, E. C., and Peck.)
 Pell, Earl W., Cleveland, Ohio. Automobile signal. 1,520,306; Dec. 23.
 Pengilly Lewis, Stockton, Calif. Suction valve for cigarettes lighters. 1,520,367; Dec. 23.
 Penn, Albert. (See Penn, Ralph, assignor.)
 Penn, Ralph, assignor of one-half to A. Penn, Des Moines, Iowa. Electric switch. 1,520,255; Dec. 23.
 Perdue, Peter, Senforth, Ontario, Canada. Hoe for cultivators and seed drills. 1,520,079; Dec. 23.
 Perky, Scott H., Keeseville, N. Y. Soup stick. Des. 66,300; Dec. 23.
 Perry, David R. (See Dupeza, Peter A., assignor.)
 Perry, Ernest J., Birmingham, England. Tube of axminster and like carpet looms and threading the same. 1,520,595; Dec. 23.
 Peterson, Peter, Los Angeles, Calif. Utility box for vehicles. 1,520,259; Dec. 23.
 Pezz, Adam, Montclair, N. J. Gellar and making same. 1,520,435; Dec. 23.
 Peyton, William H., Roberts, Idaho. Seed potato-cutting knife. 1,520,436; Dec. 23.
 Phillips, George R., and A. A. Clemens, Shawmut, Calif. Ford transmission lock. 1,520,507; Dec. 23.
 Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)
 Pielstick, Gustav, Augsburg, Germany. Valve-actuating gear for internal-combustion engines. 1,520,208; Dec. 23.
 Pierce-Arrow Motor Car Company, The. (See Boca, Joseph, assignor.)
 Piper, Walter F. (See Beardsley, E. O., and Piper.)
 Pipkin, Marvin, Fort Meade, Fla. Catalyzing gaseous reactions. 1,520,437; Dec. 23.
 Platt, Frank L., G. N. Helm, and R. R. Impey, San Francisco, Calif. Coupling. 1,520,508; Dec. 23.
 Planch, Joseph J. (See Kohuth, T. J., and Planch.)
 Plösch, Reinhold R., Glashütte, Germany. Calculating machine. 1,520,438; Dec. 23.
 Preather, John K., El Paso, Tex. Polishing tool. 1,520,596; Dec. 23.
 Pratt, Irwin E., assignor of one-half to S. A. Greenwood, Los Angeles, Calif. Combined pad and holder. 1,520,260; Dec. 23.
 Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Controller for electric vehicles. 1,520,137; Dec. 23.
 Pressland, Clifford, Hampton-on-Thames, England. Making fluid-tight sliding joints in internal-combustion engines. 1,520,307; Dec. 23.
 Presto Metal Stamping Corporation. (See LeVine, Abraham, assignor.)
 Preston, Clarence S., San Diego, Calif. Vehicle tire. 1,520,439; Dec. 23.
 Preston, George H., London, England. Cooking and heating stove. 1,520,138; Dec. 23.
 Priehard, George L., and H. Henderson, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Recovering aluminum chloride. 1,520,080; Dec. 23.
 Prior, Walter, East Orange, and W. Prior, Jr., South Orange, N. J. Machine for cutting bias strips. 1,520,139; Dec. 23.
 Prior, Walter, Jr. (See Prior, Walter and W., Jr.)
 Proctor & Schwartz, Inc. (See Rihl, William H., assignor.)
 Purnell, William R., U. S. Navy. Indoor game of golf. 1,520,081; Dec. 23.
 Purnell, William R., U. S. Navy. Radio game. 1,520,082; Dec. 23.
 Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-stripping machine. 1,520,663; Dec. 23.
 Pyleck, Frank F., Cleveland, Ohio. Automatic fire escape. 1,520,440; Dec. 23.
 Quadri, Bruno E., Chicago, Ill. Electric swivel connection. 1,520,308; Dec. 23.
 Quaker Manufacturing Company. (See Hunt, Thomas E., assignor.)
 Radford, George, Oakland Beach, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 66,301; Dec. 23.
 Radio Corporation of America. (See Edwards, Robert C., assignor.)
 Ramsdell, Lyndon O., Danvers, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Clutch mechanism. 1,520,209; Dec. 23.
 Rancœur, Napoleon, Highland Park, Mich. Burglarproof lock. 1,520,509; Dec. 23.
 Randle, Irving V., Merim, Nebr. Drinking fountain. 1,520,441; Dec. 23.

Ratta, Joseph H., Honolulu, Hawaii. Ventilator. 1,520,309; Dec. 23.
 Ravenhall, Frances J., New Port Richey, Fla. Pin or similar article. Des. 66,302; Dec. 23.
 Raver, Harvey C., Salem, Ill. Automobile headlight mechanism. 1,520,551; Dec. 23.
 Rendon, Robert E., Washington, D. C. Holder for explosive targets. 1,520,140; Dec. 23.
 Reavis, Andrew B., Bethlehem, Pa. Soldering iron. 1,520,597; Dec. 23.
 Reda, Frank E. (See Vittori, B. E., and Reda.)
 Rec, John. (See Lea, N., and Rec.)
 Redfield, William C., Chicago, Ill. Pot-charging mechanism. 1,520,083; Dec. 23.
 Regal Silver Mfg. Co., The. (See Danks, R. L., and Baker, assignors.)
 Reich, Alexander, et al. (See Nestor, Thomas J., assignor.)
 Reid, Fergus. (See Hamilton, W. B., and Reid.)
 Remington Typewriter Company. (See Farnham, Stephen H., assignor.)
 Remington Typewriter Company. (See Hart, Frederick A., assignor.)
 Respass, Roland B., New York, N. Y., assignor to Respro, Inc., Providence, R. I. Making shoe counters. 1,520,510; Dec. 23.
 Respro, Inc. (See Respass, Roland B., assignor.)
 Reynolds, Joseph H., Orego, N. Y. Drip catcher. 1,520,511; Dec. 23.
 Reynolds, Lewis C., Los Angeles, Calif. Device for steering autos. 1,520,598; Dec. 23.
 Rice, Barton & Fales, Incorporated. (See McDonnell, Frank S., assignor.)
 Richards, Ruel W., Beach, N. Dak. Preservative composition. 1,520,442; Dec. 23.
 Richmond Lace Works. (See Radford, George, assignor.)
 Rigot, Paul, Jr., Wheeling, W. Va. File for canceled checks. 1,520,443; Dec. 23.
 Rihl, William H., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,520,512; Dec. 23.
 Riote, Eugene A., Manhasset, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Spray carburetor. 1,520,210; Dec. 23.
 Rishell, Marcus L., and S. Ames, Alexandria, Va.; said Rishell assignor to said Ames. Water heater. 1,520,084; Dec. 23.
 Ritch, John F. (See Carr, J. D., and Ritch.)
 Ritter, George F., and H. C. Tillotson, assignors to The Tillotson Manufacturing Company, Toledo, Ohio. Carburetor. 1,520,261; Dec. 23.
 Robbins, Charles L., Rochester, N. Y. Automobile lock. 1,520,600; Dec. 23.
 Robertson, John R., Archer, Fla. Tire tool. 1,520,599; Dec. 23.
 Robertson, William A., Cleveland, Ohio. Headlight. 1,520,480; Dec. 23.
 Rogers, E. Irving, Jr., Providence, R. I. Jewelry-display container. 1,520,310; Dec. 23.
 Rogers, Harry E., St. Louis, Mo. Pneumatic tool. 1,520,141; Dec. 23.
 Rogge, Theo., et al. (See Lawson, Gordon, assignor.)
 Romadka, Charles A., San Francisco, Calif. First-aid container. 1,520,444; Dec. 23.
 Rome Wire Company. (See Abbott, Charles W., assignor.)
 Rosler, Henry, Lowell, Mass. Automatic firearm. 1,520,671; Dec. 23.
 Ross, Frederick C. (See Skinner, J. H., and Ross.)
 Rosseter, Clinton L., Jr., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine support. 1,520,085; Dec. 23.
 Rostern, William J., New York, N. Y. Container for inner tubes for pneumatic tires. 1,520,481; Dec. 23.
 Roth, Louis, assignor to Sterling Bronze Company, New York, N. Y. Theater chair. 1,520,142; Dec. 23.
 Ruggles, Horace F., New York, N. Y. Evaporating apparatus. 1,520,598; Dec. 23.
 Rushmer, William B., Salt Lake City, Utah. Lens pattern. 1,520,445; Dec. 23.
 Russell Mfg. Co. (See Ingersoll, Charles A., assignor.)
 Ruth, Earl A., Washington, D. C. Stereoscope. 1,520,311; Dec. 23.
 Salzman, William, et al. (See Nestor, Thomas J., assignor.)
 Sandell, Anton B., assignor to The Sandell Specialties Co., Groton, Conn. Adjustable pipe template. 1,520,143; Dec. 23.
 Sandell Specialties Co., The. (See Sandell, Anton B., assignor.)
 Sanderson, William G., Chicago, Ill. Fire and gas alarm device. 1,520,086; Dec. 23.
 Sander, Nicholas, Dresden, Germany. Egg container. 1,520,513; Dec. 23.
 Sanford Mills. (See Benoit, Joseph F., assignor.)
 Sansom, Walter C., Pittsburgh, Pa. Connector for barges. 1,520,144; Dec. 23.
 San Souci, Peter H., Central Falls, R. I. Music-leaf turner. 1,520,601; Dec. 23.
 Sargent's, C. G., Sons Corporation. (See Hogg, James A., assignor.)
 Sargent's, C. G., Sons Corporation. (See Swalu, Fred W., assignor.)
 Satake, Shuzo, Sacramento, Calif. Laundry sprayer. 1,520,446; Dec. 23.

Schalke, Maximilian, Franklin Park, Ill. Signal. 1,520,672; Dec. 23.
 Scharff, Joseph H., Nutley, N. J. Thermostatic electric chaser. 1,520,145; Dec. 23.
 Schat, Anne P., Utrecht, Netherlands. Davit. 1,520,087; Dec. 23.
 Schenk, Charles J., Rannington, Calif. Pump plunger. 1,520,262; Dec. 23.
 Schenkeln, Samuel M., Lyndhurst, N. J. Bottle. 1,520,088; Dec. 23.
 Scherbins, Arthur, Berlin Wannee, Germany. Electric typewriting machine. 1,520,089; Dec. 23.
 Scherer, George F. (See Fick, H., Ruck, and Scherer.)
 Schlapitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Indicating gauge. 1,520,263; Dec. 23.
 Schmidt, Chester A., Cincinnati, Ohio. Dough-working device. 1,520,602; Dec. 23.
 Schmidt, Frank J., Jersey City, N. J. assignor to D. S. Mills, New York, N. Y. Pressure-gauge valve device. 1,520,603; Dec. 23.
 Schneider, Carl, Nutley, N. J. Record container. 1,520,369; Dec. 23.
 Schwartz, Joseph H., assignor to J. Mishne, Cleveland, Ohio. Tire. Des. 66,303; Dec. 23.
 Seofeld, Sherman W., and M. W. Muehlhauser, Cleveland, Ohio. Muffler. 1,520,090; Dec. 23.
 Seifstein, Abraham, Munich, Germany. Safety razor. 1,520,264; Dec. 23.
 Senfha, Hugo de W., Weehawken, N. J. Spring wheel. 1,520,091; Dec. 23.
 Sexauer, Fred, Torrington, Conn. Safety razor. 1,520,604; Dec. 23.
 Shaffer, Dewey F., Sines, Md. Speed register. 1,520,447; Dec. 23.
 Shaffer, Glenn A., and F. H. Wirtz, Green Bay, Wis. Paper-folding machine. 1,520,312; Dec. 23.
 Shaler, Abraham. (See Shaler, Saul, assignor.)
 Shaler, Saul, Bronx, assignor of one-half to A. Shaler, New York, N. Y. Combination padlock. 1,520,092; Dec. 23.
 Shannon, John R., Lowell, Ariz. Oil-vapor generator. 1,520,146; Dec. 23.
 Shapleigh, James H., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Making sulphuric acid. 1,520,093; Dec. 23.
 Sharp, Lewis. (See Howard, C. H., and Sharp.)
 Shaub, Robert B., Canton, Ill. Drill. 1,520,147; Dec. 23.
 Sheer, Henry M., Quincy, Ill. Heater for hovers and brooders. 1,520,605; Dec. 23.
 Shiekuna, Joseph J., Buffalo, N. Y. Polishing mop. 1,520,148; Dec. 23.
 Shillito, Charles, and A. J. Hardy, Eltham, London, England. Duplinter. 1,520,606; Dec. 23.
 Shockey, Daniel, North St. Paul, Minn. Device for cutting surgical bandages. 1,520,149; Dec. 23.
 Shoemaker, S. M. (See Patten, John, assignor.)
 Shore, Albert F., New York, N. Y. Spring support for vehicles. 1,520,482; Dec. 23.
 Shore, Albert F., New York, N. Y. Spring support for vehicles. 1,520,483; Dec. 23.
 Shore, Albert F., New York, N. Y. Spring support for vehicles. 1,520,484; Dec. 23.
 Short, J. R., Milling Company. (See Hart, Frederick H. M., assignor.)
 Shrum, Will N., Dallas, Tex., assignor, by mesne assignments, to Modern Chemical Manufacturing Company. Antileak composition. Ref. 5,971; Dec. 23.
 Signal Gesellschaft m. b. H. (See Hahnemann, Walter, assignor.)
 Siles, G. Corporation, The. (See Patrick, Walter A., assignor.)
 Simmons, Charles H., assignor to M. E. Page, Jr., A. T. Johnson, and C. M. Page, Chicago, Ill., trustees for Aabell Manufacturing Company. Oil burner. 1,520,211; Dec. 23.
 Simons, Wolfgang, et al. (See Kucharski, Stanislaus, assignor.)
 Simpson, Leon G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens-grinding machine. 1,520,094; Dec. 23.
 Singleton, Frank C., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Static-electricity-grounding device. 1,520,485; Dec. 23.
 Skinner, John H., and F. C. Ross, Durban, Natal, South Africa. Manufacture of parquetry and wood mosaic. 1,520,313; Dec. 23.
 Skonger, Hyalmar E., Brooklyn, N. Y. Material-handling equipment. 1,520,150; Dec. 23.
 Slater, George P. (See Kottler, A. C., and Slater.)
 Slater, Mabel H., New York, N. Y. Cover for loose-leaf folders or books. 1,520,151; Dec. 23.
 Small, Arthur V., August, Kans. Shipping and exhibiting case for honey. 1,520,152; Dec. 23.
 Smith, Arthur C., assignor, by mesne assignments, of one-half to W. W. Russell and one-half to A. C. Smith, Colorado Springs, Colo. Combined atomizer and vaporizer for oil engines. 1,520,153; Dec. 23.
 Smith, Arthur C., et al. (See Smith, Arthur C., assignor.)
 Smith, Douglas B., San Francisco, Calif. Transmission refilling band. 1,520,154; Dec. 23.
 Smith, Edwin A., Concord, Calif. Revolving nut-drying tray. 1,520,448; Dec. 23.

Smith, George, assignor to Elliott Machine Corporation, Baltimore, Md. Dredging apparatus. 1,520,449; Dec. 23.
 Smith, Jesse A. R., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,520,350; Dec. 23.
 Smith, Murray, Springfield, Ohio. Feed hopper. 1,520,607; Dec. 23.
 Smith, Oberlin, Bridgeton, N. J. Game apparatus. 1,520,608; Dec. 23.
 Smith, Walter F., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Cutter clearance gauge. 1,520,450; Dec. 23.
 Snodgrass, Joseph C., assignor to B. R. McKemie, Nashville, Tenn. Letter-stamping machine. 1,520,609; Dec. 23.
 Societ  Chimique des Usines du Rhone. (See Oser, Adam, assignor.)
 Soda Service Corporation. (See Walters, A. R., and Madden, assignors.)
 Sodemann, William, St. Louis, Mo. Automobile envelope. 1,520,186; Dec. 23.
 Soderberg, Louis W., Rockford, Ill. Foot accelerator for motor cars. 1,520,155; Dec. 23.
 Souger, Harry A., Wichita, Kans. Radiator for motor-driven vehicles. 1,520,212; Dec. 23.
 Souther, Leonard D., and E. T. Ferngren, assignors to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,520,213; Dec. 23.
 Spangenberg, John M. L., Forshaga, Sweden. Screen for paper pulp or the like. 1,520,371; Dec. 23.
 Sperry, Edwin A., Tientsin, China. Concentrating table. 1,520,451; Dec. 23.
 Spielmann, Charles. (See Keller, J. A., and Spielmann.)
 Stadel, Charles E. (See Kelley, Logan N., assignor.)
 Stahl, Rodolphe, Detroit, Mich. Clutch. 1,520,314; Dec. 23.
 Standard Motor Construction Company. (See Rlotte, Eugene A., assignor.)
 Standard Oil Company. (See Blair, H. F., and Bransky, assignors.)
 Standard Oil Company. (See Payne, E. H., and Montgomery, assignors.)
 Standard Oil Company. (See Singleton, Frank C., assignor.)
 Standard Oil Company. (See Watts, George W., assignor.)
 Standard Oil Company. (See Wilson, Robert E., assignor.)
 Starck, August W., Skovde, Sweden. Spring frame for saddles for bicycles, motor cycles, and the like. 1,520,156; Dec. 23.
 Starrett, Henry F., assignor to Starrett Manufacturing Company, Chicago, Ill. Panel board. 1,520,452; Dec. 23.
 Starrett Manufacturing Company. (See Starrett, Henry F., assignor.)
 Stearns-Roger Manufacturing Company, The. (See Nevill, David J., assignor.)
 Steining, Harry A., London, England. Dies for connecting pipes together. 1,520,095; Dec. 23.
 Stephens, Joseph A., Vermilion, S. Dak. Brooder. 1,520,610; Dec. 23.
 Sterling Bronze Company. (See Roth, Louis, assignor.)
 Sterling Clock Co. (See Stern, Lewis J., assignor.)
 Stern, Lewis J., New York, N. Y., assignor to Sterling Clock Co., Inc. Electrically-controlled timepiece. 1,520,453; Dec. 23.
 Sterenson, Frederick. (See Meeks, Henry G., assignor.)
 Stewart, John H., assignor of one-half to W. P. Butler, Nashville, Tenn. Street sweeper. 1,520,315; Dec. 23.
 Stewart Warner Speedometer Corporation. (See Whittington, Frederick G., assignor.)
 Stockton, J. T., et al. (See Lawson, Gordon, assignor.)
 Stolper, Joseph V., Chicago, Ill. Game. 1,520,316; Dec. 23.
 Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeder mechanism for looms. 1,520,157; Dec. 23.
 Stoneback, John G., and W. A. Kelsey, Topeka, Kans.; said Kelsey assignor of his right to said Stoneback. Upholstery-edge-stitching machine. 1,520,317; Dec. 23.
 Storer, William H., Casper, Wyo. Hreec-closing and gun firing mechanism. 1,520,515; Dec. 23.
 Strassner, Frank J., Newark, N. J. Badge or the like. Des. 66,304; Dec. 23.
 Streadwick, Aubrey E., assignor to Streadwick Heat and Ventilating System Limited, Toronto, Ontario, Canada. Furnace. 1,520,096; Dec. 23.
 Streadwick Heat and Ventilating System Limited. (See Streadwick, Aubrey E., assignor.)
 Stromberg-Carlson Telephone Manufacturing Company, The. (See Manson, Ray H., assignor.)
 Strutz, John C., Albuquerque, N. Mex. Automatic work holder. 1,520,611; Dec. 23.
 Snodgrass, Elijah C., Lubbock, Tex. Register for liquid pumps. 1,520,514; Dec. 23.
 Suarez, Maria D., Azpetia, Guipuzcoa, Spain. Keyboard and attachment controlled thereby for musical instruments. 1,520,612; Dec. 23.
 Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
 Sullivan Machinery Company. (See Maxson, Louis A., assignor.)
 Sutter, John. (See Newton, E. H., and Sutter.)

Swain, Fred W., Dunstable, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Wool-washing machine. 1,520,158; Dec. 23.
 Swartz, Raymond, Harrisburg, Pa. Removable contact tip. 1,520,454; Dec. 23.
 Sweaf, Jennie A., New York, N. Y. Toilet-powder receptacle. 1,520,036; Dec. 23.
 Syers, Paul R., Indianapolis, Ind. Combined laundry bag holder and weight indicator. 1,520,372; Dec. 23.
 T & L Co., The. (See Lotz, William A., assignor.)
 T & L Co., The. (See Tueckmantel, Hugo, assignor.)
 Taylor, Edward C., New York, N. Y. Casing for traffic signals. Des. 66,305; Dec. 23.
 Taylor, John W., Cincinnati, Ohio. Mandrel for bending machines. 1,520,373; Dec. 23.
 Teagle Company, The. (See Pearson, Carl E., assignor.)
 Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Steering mechanism for motor-driven vehicles. 1,520,679; Dec. 23.
 Terwilliger, Harry W., Altoona, Pa. License Bracket. 1,520,455; Dec. 23.
 Textile Publishing Company. (See Hurst, Albert E., assignor.)
 Thermatomic Carbon Company. (See Brownlee, R. H., and Uhlinger, assignors.)
 Thibodeau, Peter, assignor of one-half to D. H. Young, Holyoke, Mass. Curtain fixture. 1,520,265; Dec. 23.
 Thim, Hans H., Enniscraw, Wash. D.C. Pliers. 1,520,613; Dec. 23.
 Thoen, Lowell H., assignor to The Holt Manufacturing Company, Stockton, Calif. Pick-up attachment for harvesters. 1,520,456; Dec. 23.
 Thoenes, John M., and C. C. Fischer, Milwaukee, Wis. Radiator cap. Des. 66,306; Dec. 23.
 Thomas, George H., assignor to The Bryant Electric Company, Bridgeport, Conn. Lighting fixture. 1,520,516; Dec. 23.
 Thomason, William S., Norfolk, Va. Table with detachable top. 1,520,517; Dec. 23.
 Thomason, William S., Norfolk, Va. Coupling for table tops. 1,520,518; Dec. 23.
 Thomason, William S., Norfolk, Va. Connector for the end and side rails of knockdown tables. 1,520,519; Dec. 23.
 Thomason, William S., Norfolk, Va. Knockdown pedestal table. 1,520,520; Dec. 23.
 Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 1,520,097; Dec. 23.
 Thompson, Herbert A., Morpeth, England. Atomizer or liquid fuel burner. 1,520,614; Dec. 23.
 Thompson, Joseph H., Cincinnati, Ohio. Saw guide. 1,520,615; Dec. 23.
 Thompson, Owen A., Independence, Kans. Support and release for well-tubing elevators. 1,520,374; Dec. 23.
 Thomson, Charles A., Belleville, N. J. Machine for molding phonograph records. 1,520,214; Dec. 23.
 Thornton, Stuart R., Berkeley, Calif. Soldering iron. 1,520,616; Dec. 23.
 Tillotson, Harry C. (See Ritter, G. F., and Tillotson.)
 Tillotson Manufacturing Company, The. (See Ritter, G. F., and Tillotson, assignors.)
 Tillyer, Edgar D., and A. E. Glancy, assignors to American Optical Company, Southbridge, Mass. Lens. 1,520,617; Dec. 23.
 Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)
 Tingle Manufacturing Company. (See Fauser, Gustave M., assignor.)
 Tissot, Auguste A. H., St. Cloud, France. Air cooling system for explosion engines. 1,520,521; Dec. 23.
 Tizley, Arthur J., Brooklyn, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Candle socket. 1,520,522; Dec. 23.
 Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article. 1,520,487; Dec. 23.
 Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Sharpening tool. 1,520,488; Dec. 23.
 Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,520,098; Dec. 23.
 Tower, Charles H., Holyoke, Mass. Ventilation system. 1,520,037; Dec. 23.
 Trolano, Antonio, Washington, D. C. Resilient heel. Ref. 5,972; Dec. 23.
 Tropical Fibre Corporation. (See Lowry, George A., assignor.)
 Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; J. Trust, administratrix. Mixing and beating machine. 1,520,375; Dec. 23.
 Trust, Josephine, administratrix. (See Trust, H., and Ashley.)
 Tucker, Albert Y., assignor to Tucker Rubber Corporation, Buffalo, N. Y. Covering for floors or other surface. Des. 66,307; Dec. 23.
 Tucker Rubber Corporation. (See Tucker, Albert Y., assignor.)
 Tueckmantel, Hugo, assignor to The T & L Co., Inc., Newark, N. J. Locking catch for portfolios and the like. 1,520,038; Dec. 23.
 Turner Tanning Machinery Company, The. (See Ramsdell, Lyndon O., assignor.)

Uhlinger, Roy H. (See Brownlee, R. H., and Uhlinger.)
 Underwood Typewriter Company. (See Benson, William, assignor.)
 Underwood Typewriter Company. (See Rossiter, Clinton L., Jr., assignor.)
 Underwood Typewriter Company. (See Smith, Jesse A. R., assignor.)
 Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
 United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
 United Shoe Machinery Corporation. (See Packard, Roscoe M., assignor.)
 Universal Window Company. (See Atkinson, Henry T., assignor.)
 Uttley, Fred, Elmhurst, N. Y. Loom card-pegging machine. 1,520,159; Dec. 23.
 Van Der Wyk, Sally, Milwaukee, Wis. Towel-dispensing device. 1,520,160; Dec. 23.
 Van Tilburg, Frank E., Minneapolis, Minn. Apparatus for separating composite oils into component parts. 1,520,161; Dec. 23.
 Vaughan, Earney B., Long Beach, Calif. Confection-baking apparatus. 1,520,457; Dec. 23.
 Vaughn, Francis E., Indianapolis, Ind. Cable drive. 1,520,458; Dec. 23.
 Verneil, Edward H., Mangum, Okla. Oil-well strainer. 1,520,376; Dec. 23.
 Verow, George W., Lincoln, Me., assignor to Eastern Manufacturing Company, Boston, Mass. Watermarking dandy roll. 1,520,099; Dec. 23.
 Verway, Clarence, Muskegon, Mich. Can-sealing device. 1,520,459; Dec. 23.
 Vetsch, Othmar, Albertville, Minn. Convertible pitchfork and rake. 1,520,266; Dec. 23.
 Victor Talking Machine Company. (See Buckle, Horace L. T., assignor.)
 Vectorsohn, Morris, Brooklyn, N. Y. Combined phonograph and radio cabinet. Des. 66,308; Dec. 23.
 Vittori, Bart E., and F. E. Reda, Chicago, Ill. Salami-tying machine. 1,520,162; Dec. 23.
 Von Glahn, Elmer C., and E. K. Peck, Corcoran, Calif. Toy vehicle. 1,520,523; Dec. 23.
 Von Parseval, August, Berlin-Charlottenburg, Germany. Taut airship. 1,520,618; Dec. 23.
 Vordulke, Anthony A., assignor of one-half to T. H. O'Brien, Cincinnati, Ohio. Electric starting, stopping, and detecting device. 1,520,678; Dec. 23.
 Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Woven trimming. Des. 66,309; Dec. 23.
 Wade, Katherine W., San Francisco, Calif. Doll. Des. 66,310; Dec. 23.
 Wade, Katherine W., San Francisco, Calif. Novelty doll. Des. 66,311; Dec. 23.
 Wade, Katherine W., San Francisco, Calif. Novelty doll. Des. 66,312; Dec. 23.
 Wagenhorst, James H. (See Johski, Otto H., assignor.)
 Wagner, Rudolf E., assignor to Aktiebolaget Karlstads Mekanska Verkstad, Karlstad, Sweden. Roll for rotary pressing apparatus. 1,520,489; Dec. 23.
 Wahl, Christian J., Michigan City, Ind. Game piece. 1,520,039; Dec. 23.
 Walden, George B., Franklin, Ind., assignor, by mesne assignments, to the Governors of the University of Toronto, Toronto, Ontario, Canada. Purified antidiabetic product and making it. 1,520,673; Dec. 23.
 Waldo, Algernont H., St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 66,313; Dec. 23.
 Waldo, Raymond H., St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 66,314; Dec. 23.
 Waldorf, Fred, Pittsburgh, Pa. Controller for automobile lamps. 1,520,040; Dec. 23.
 Walker, Charles W., deceased, Jersey City, N. J.; D. N. E. Campbell, Brooklyn, N. Y., administrator. Third-rail telephone. 1,520,619; Dec. 23.
 Walker, John, London, England. Photographic mount, album, and the like. 1,520,041; Dec. 23.
 Walker Manufacturing Company. (See Milzer, Joseph J., assignor.)
 Wall, Arthur W., Sheldon, near Birmingham, assignor of three-fourths to J. White, Birmingham, England. Internal-combustion engine. 1,520,620; Dec. 23.
 Walling, Frederick D., assignor to Western Cartridge Company, East Alton, Ill. Target trap. 1,520,215; Dec. 23.
 Wallisch, Paul, and W. Chott, Brooklyn, N. Y. Stair tread. 1,520,042; Dec. 23.
 Walters, Arthur B., and F. A. Madden, assignors to Soda Service Corporation, Kansas City, Mo. Liquid proportioning, mixing, and dispensing machine. 1,520,664; Dec. 23.
 Walton, Edgar E. (See Washburn, Thomas E., assignor.)
 Waltz, Frederick, South Bend, Ind. Paint-spraying cabinet. 1,520,267; Dec. 23.
 Warner & Swaney Company, The. (See Drake, George W., assignor.)
 Warren-Kahse, Incorporated. (See Kahse, Thomas O., assignor.)
 Washburn, Thomas E., assignor of one-half to E. E. Walton, Conaling, Calif. Self-closing valve. 1,520,377; Dec. 23.

- Waters, Samuel S., Washington, D. C., assignor to H. C. Lord, Erie, Pa. Apparatus for recording and reproducing sound. 1,520,378; Dec. 23.
- Watkins, Herbert H., Homer, La. Rectilinear pump. 1,520,621; Dec. 23.
- Watson, Edmund F., sr., Bentonville, Ark. Egg carrier. 1,520,622; Dec. 23.
- Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Automatic check valve for storage tanks. 1,520,490; Dec. 23.
- Webb, Joseph. (See Appel, George C., assignor.)
- Webster Electric Company. (See Kleckner, Arthur C., assignor.)
- Weigen, James A., Sun Prairie, Wis. Fencepost. 1,520,163; Dec. 23.
- Weiskopf, Henry H., Wilson Borough, Pa. Device for boring connecting rods, bushings, etc. 1,520,623; Dec. 23.
- Weissleder, George H., Milwaukee, Wis. Combined sanitary toothbrush with tooth-cleaning medium. 1,520,491; Dec. 23.
- Wernline, Hugo H., assignor to Belden Manufacturing Company, Chicago, Ill. Spool. 1,520,379; Dec. 23.
- Western Cartridge Company. (See Walling, Frederick D., assignor.)
- Wetter, Gustav, Weesen, Switzerland. Writing board or slate and making same. 1,520,380; Dec. 23.
- Weymann, H. A., & Son, Inc. (See Weymann, Harry W., assignor.)
- Weymann, Harry W., assignor to H. A. Weymann & Son, Inc., Philadelphia, Pa. Armrest and sleeve protector. 1,520,492; Dec. 23.
- Wheeler, John L. (See Hesch, G. C., and Wheeler.)
- Wheeling Steel Corporation. (See Mosley, Harley C., assignor.)
- White, Charles S., Marton, New Zealand. Safety napkin clip. 1,520,043; Dec. 23.
- White, Clarence W., assignor to H. C. White Company, North Bennington, Vt. Wagon gear. 1,520,381; Dec. 23.
- White, H. C., Company. (See White, Clarence W., assignor.)
- White, John. (See Wall, Arthur W., assignor.)
- Whittington, Frederik G., Evanston, assignor to Stewart Warner Speedometer Corporation, Chicago, Ill. Mileage-period-indicating odometer. 1,520,216; Dec. 23.
- Wicks, John, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,520,268; Dec. 23.
- Wiederwax, Robert W., assignor to Gelst Manufacturing Company, Atlantic City, N. J. Burning liquid fuels. 1,520,624; Dec. 23.
- Wigley, Dan, Binghamton, N. Y. Gear wheel. 1,520,625; Dec. 23.
- Wilkin, John T., assignor to The Connersville Blower Co., Connersville, Ind. Fluid governor meter. 1,520,668; Dec. 23.
- Williams, Walter, Springfield, Mass. Fountain pen. 1,520,164; Dec. 23.
- Willys-Overland Company, The. (See Lightner, A. D., and Holmes, assignors.)
- Wilson, Robert E., Chicago, Ill. assignor to Standard Oil Company, Whiting, Ind. Revivifying fuller's earth. 1,520,493; Dec. 23.
- Wilt, Charles T., assignor to Wilt Trunk Company, Chicago, Ill. Trunk. 1,520,041; Dec. 23.
- Wilt Trunk Company. (See Wilt, Charles T., assignor.)
- Winarski, Adam F., New York, N. Y. Squeezee. 1,520,045; Dec. 23.
- Winkler, Carl, Berne, Switzerland. Automatic machine for casting stereoplates. 1,520,626; Dec. 23.
- Winnor Laboratories, Inc., The. (See Adams, Harry A., assignor.)
- Wirtz, Franklin H. (See Shaffer, G. A., and Wirtz.)
- Wishard, Samuel E., Bagdad, Calif. Fifth-wheel construction. 1,520,046; Dec. 23.
- Witcombe, Ernest, Quimby, Iowa. Shock loader. 1,520,165; Dec. 23.
- Wolcott, Henry, Providence, R. I. Separable button. 1,520,460; Dec. 23.
- Workman, Raymond W., Carson City Nev. Boring head. 1,520,382; Dec. 23.
- Wright, Walter C., Youngstown, Ohio. Quick-release apparatus for air-brake cylinders. 1,520,166; Dec. 23.
- Yelle, Alice L., Pullman, Wash. Hood. 1,520,269; Dec. 23.
- Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Recovering natural gas gasoline from natural gas. 1,520,627; Dec. 23.
- Young, David H. (See Thilsodeau, Peter, assignor.)
- Zeiss, Firm Carl. (See Bauersfeld, Walther, assignor.)
- Zeiss, Firm Carl. (See Bauersfeld, W., and Mackensen, assignors.)
- Zero Ice Cream Dipping Machine Company. (See Morgan, William C., assignor.)
- Zetlin, Samuel, Baltimore, Md. Reinforced detachable pocket. 1,520,100; Dec. 23.
- Ziegner, Walter E., assignor to American Machinery Co., Inc., Philadelphia, Pa. Feeding device. 1,520,669; Dec. 23.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Acid, Making sulphuric. J. H. Shapleigh. 1,520,093; Dec. 23.
- Advertising device. J. A. Le Bouthillier. 1,520,188; Dec. 23.
- Aeroplane. E. P. Kray. 1,520,292; Dec. 23.
- Agricultural system, Electrical. G. E. Cassel. 1,520,327; Dec. 23.
- Air-brake cylinders, Quick release apparatus for. W. C. Wright. 1,520,166; Dec. 23.
- Air-cooling device for multiple motors. L. Glanzer. 1,520,021; Dec. 23.
- Air-line oiler. H. V. Haight. 1,520,023; Dec. 23.
- Airship, Taut. A. von Parseval. 1,520,618; Dec. 23.
- Alarm: See—
- Gas cut-off and fire alarm.
- Alarms, Circuit closer for. H. Cappellanti. 1,520,169; Dec. 23.
- Alloy. S. E. MacGregor. 1,520,033; Dec. 23.
- Alloy and making same. Lead. W. and H. Mathesius. 1,520,254; Dec. 23.
- Aluminum chloride, Recovering. G. L. Prichard and H. Henderson. 1,520,080; Dec. 23.
- Amusement apparatus. G. Mongillo. 1,520,592; Dec. 23.
- Amusement slide. H. Auferl. 1,520,217; Dec. 23.
- Animal trap. M. M. Berg. 1,520,557; Dec. 23.
- Antidibetic product and making it. Purified. G. B. Walden. 1,520,673; Dec. 23.
- Antileak composition. W. N. Shrum. Re15,971; Dec. 23.
- Applique plots for metal dials, bucks, or covers of cases, and the like, Manufacturing process of. B. Fluckiger. 1,520,289; Dec. 23.
- Apron. W. H. Clark. 1,520,165; Dec. 23.
- Arch support. L. Lobel. 1,520,065; Dec. 23.
- Armrest and sleeve protector. H. W. Weymann. 1,520,492; Dec. 23.
- Article-holding device. H. Hanson. 1,520,542; Dec. 23.
- Atomizer or liquid fuel burner. H. A. Thompson. 1,520,614; Dec. 23.
- Auto traction device. C. Fauth. 1,520,287; Dec. 23.
- Automobile bodies, Construction of inclosed-drive. W. Brewster. 1,520,389; Dec. 23.
- Automobile choker protector. J. H. Lacy. 1,520,064; Dec. 23.
- Automobile envelope. W. Sodenmann. 1,520,486; Dec. 23.
- Automobile hand-jack handle. J. J. Mizer. 1,520,134; Dec. 23.
- Automobile lock. C. L. Robbins. 1,520,600; Dec. 23.
- Automobile signal. G. Meierhofer. 1,520,477; Dec. 23.
- Automobile signal. E. W. Pell. 1,520,306; Dec. 23.
- Automobiles, Adjustable steering column for. W. H. Myse. 1,520,677; Dec. 23.
- Automobiles, Air-pump attachment for. E. Kaufmann. 1,520,249; Dec. 23.
- Automobiles, Automobile electric safety switch and carburetor control for. J. McCaskey. 1,520,294; Dec. 23.
- Autos, Device for steering. L. C. Reynolds. 1,520,598; Dec. 23.
- Badge. T. O. Kahse. Des. 66,292; Dec. 23.
- Badge or similar article. J. E. Adams. Des. 66,254; Dec. 23.
- Badge or similar article. W. O. Brown. Des. 66,273; Dec. 23.
- Badge or the like. F. J. Strassner. Des. 66,304; Dec. 23.
- Badge or similar article. J. A. Meyers. Des. 66,297; Dec. 23.
- Bag: See—
- Shopping bag.
- Bag-holding apparatus. J. Cytron. 1,520,279; Dec. 23.
- Bags, Latch fastener for. W. A. Latz. 1,520,030; Dec. 23.
- Baking apparatus, Confection. E. B. Vaughan. 1,520,457; Dec. 23.
- Ball goal. Basket. P. S. Medart and F. Albach. 1,520,196; Dec. 23.
- Bank coin clock. A. C. Ketterer and G. P. Shanker. 1,520,656; Dec. 23.
- Bank guard. A. L. French. 1,520,232; Dec. 23.
- Barge connector. W. C. Sansom. 1,520,144; Dec. 23.
- Basket. C. N. Clark. 1,520,532; Dec. 23.
- Bath cabinet. R. J. and S. L. Kidney. 1,520,420; Dec. 23.
- Bathing cap. L. W. Beman. 1,520,049; Dec. 23.
- Bathtubs, Combined water supply and overflow fixture for. A. I. Fischer. 1,520,019; Dec. 23.
- Battery: See—
- Storage battery.
- Battery-charging plants, Control for. F. W. Cress. 1,520,334; Dec. 23.
- Battery-charging system. F. J. Hardman. 1,520,682; Dec. 23.
- Battery terminal. G. E. Harper. 1,520,675; Dec. 23.
- Bearing, Automatic thrust. F. Lawaczek. 1,520,356; Dec. 23.
- Bearing, Roller. H. Dreitschmann. 1,520,053; Dec. 23.
- Beds, Converting device for wall. J. A. Moon. 1,520,256; Dec. 23.
- Bending machines, Mandrel for. J. W. Taylor. 1,520,373; Dec. 23.
- Blas strips, Machine for cutting. W. Prior and W. Prior, Jr. 1,520,139; Dec. 23.
- Ricycles, motor cycles, and the like, Spring frame for saddles for. A. W. Starck. 1,520,156; Dec. 23.
- Blasting gun and chute, Combined. N. P. Green. 1,520,343; Dec. 23.
- Board: See—
- Insulating board. Panel board.
- Boller feed water, Apparatus for purifying. F. Blumen-thal. 1,520,399; Dec. 23.
- Boller stay bolt. E. G. Flannery and G. R. Greenslade. 1,520,540; Dec. 23.
- Bollers, Grate structure for. E. Dupont. 1,520,178; Dec. 23.
- Bolt: See—
- Boller stay bolt.
- Boring connecting rods, bushings, etc. Device for. H. H. Weiskopf. 1,520,623; Dec. 23.
- Boring head. R. W. Workman. 1,520,382; Dec. 23.
- Boring machine. H. Flick, C. M. Buck, and G. F. Scherer. 1,520,181; Dec. 23.
- Bottle. S. M. Schenkeln. 1,520,088; Dec. 23.
- Bowling pin. J. W. Bishop and J. A. Matteson. 1,520,106-9; Dec. 23.
- Box: See—
- Milk and mail box.
- Box. H. L. Myers. 1,520,135; Dec. 23.
- Bracket. H. Bush, sr. Des. 66,274; Dec. 23.
- Bracket clasp. A. L. Newman. 1,520,205; Dec. 23.
- Bracket: See—
- Insulator bracket. License bracket.
- Brake band. J. Kauff. 1,520,655; Dec. 23.
- Branding machine. P. L. Geer. 1,520,235; Dec. 23.
- Breech-closing and gun-firing mechanism. W. H. Storer. 1,520,515; Dec. 23.
- Broiler. T. A. Jenks and R. O. Hammond. 1,520,498; Dec. 23.
- Brooder. J. A. Stephens. 1,520,610; Dec. 23.
- Broom, Renewable. H. Molsberger. 1,520,591; Dec. 23.
- Brush. A. Nakahara. 1,520,505; Dec. 23.
- Brush holder. W. J. Hines. Des. 66,289; Dec. 23.
- Building. J. J. Gaffney and C. J. Epping. 1,520,638; Dec. 23.
- Building construction. F. R. Hahn. 1,520,344; Dec. 23.
- Burette. J. P. Frank. 1,520,637; Dec. 23.
- Burglarproof lock. N. Rancour. 1,520,509; Dec. 23.
- Burner: See—
- Atomizer or liquid-fuel burner.
- Oil burner.
- Burning sawdust, Grate for. J. P. Duckett. 1,520,539; Dec. 23.
- Butter printers, Attachment for. A. N. Kintson and G. H. Hacker, Jr. 1,520,579; Dec. 23.
- Button. L. R. Carley. Des. 66,275; Dec. 23.
- Button, Separable. H. Wolcott. 1,520,460; Dec. 23.
- Cabinet. W. Lytton. Des. 66,295; Dec. 23.
- Cabinet, Watch-crystal. J. P. Beck. 1,520,525; Dec. 23.
- Cable drive. F. E. Vaughn. 1,520,458; Dec. 23.
- Calculating device. R. S. Blecknell. 1,520,105; Dec. 23.
- Calculating machine. R. R. Pothig. 1,520,438; Dec. 23.
- Calendar. A. S. Holt. 1,520,648; Dec. 23.
- Camera. C. G. Johnson. 1,520,185; Dec. 23.
- Cameras, Film-feed mechanism for photographic. S. Kucharski. 1,520,658; Dec. 23.
- Candle, Ornamented. H. F. Blair and O. E. Bransky. 1,520,541; Dec. 23.
- Candy kettles, Device for operating. R. C. Alden and F. Foss. 1,520,047; Dec. 23.
- Cap, hat, and bonnet. M. V. Brunk. 1,520,007; Dec. 23.
- Carburetor. G. E. Ritter and H. C. Tillotson. 1,520,261; Dec. 23.
- Carburetor, Spray. E. A. Riotte. 1,520,210; Dec. 23.
- Carburetors, Fuel nozzle for. A. P. Barker. 1,520,629; Dec. 23.
- Card feed. J. P. Mackie. 1,520,031; Dec. 23.

Carriage doors, Mechanism for automatically locking. L. Maury. 1,520,067; Dec. 23.
 Carrier: See—
 Egg carrier. Umbrella carrier.
 Cars, Automatic coupling for railway. G. Flückiger. 1,520,341; Dec. 23.
 Cars, Foot accelerator for motor. L. W. Soderberg. 1,520,155; Dec. 23.
 Cars, Transmission band for Ford. C. A. Ingersoll. 1,520,497; Dec. 23.
 Cars, Valve-outlet equipment for tank. T. J. Entwistle. H. P. O'Mara, and J. W. Donnelly. 1,520,285; Dec. 23.
 Caster. H. Buchter. 1,520,116; Dec. 23.
 Casting stereoplasts, Automatic machine for. C. Winkler. 1,520,626; Dec. 23.
 Cattle guard. N. Numajlyk. 1,520,547; Dec. 23.
 Centrifugal machine. A. D. Frantz. 1,520,467; Dec. 23.
 Certificate or tag holder. B. H. Borreson. 1,520,323; Dec. 23.
 Chain. L. W. Brown. 1,520,222; Dec. 23.
 Chains, Support for drop-box pattern. F. L. Furgal. 1,520,057; Dec. 23.
 Chair: See—
 Theater chair.
 Cigarette lighters, Suction valve for. L. Pengilly. 1,520,367; Dec. 23.
 Cinematographic apparatus. W. Bauersfeld. 1,520,384; Dec. 23.
 Clamp: See—
 Rail clamp.
 Clasp: See—
 Bracelet clasp.
 Clay articles, Quick drying of. R. N. Chapman. 1,520,328; Dec. 23.
 Cleaner: See—
 Rake cleaner.
 Clock. A. P. Hodge. 1,520,415; Dec. 23.
 Clock, Water. N. Opich. 1,520,204; Dec. 23.
 Clothesline grip. Nonslip. G. R. Haynes. 1,520,570; Dec. 23.
 Clutch. R. Stahl. 1,520,314; Dec. 23.
 Clutch mechanism. L. O. Ramsdell. 1,520,209; Dec. 23.
 Clutch, Rotary key. F. John. 1,520,351; Dec. 23.
 Coal washeries, Moisture-reducing plant for. A. France. 1,520,410; Dec. 23.
 Collar and making same. A. Petz. 1,520,435; Dec. 23.
 Combination lock. G. L. Belanger. 1,520,385; Dec. 23.
 Combustion-control apparatus. G. S. Carrick. 1,520,530; Dec. 23.
 Commode seat, Combination. C. B. Michel. 1,520,301; Dec. 23.
 Compass system. C. H. Bedell. 1,520,002; Dec. 23.
 Compressor. L. A. Maxson. 1,520,255; Dec. 23.
 Concentrating table. E. A. Sperry. 1,520,451; Dec. 23.
 Concrete mold. G. A. Noble. 1,520,431; Dec. 23.
 Condenser and holder therefor. A. A. Kent. 1,520,027; Dec. 23.
 Condenser, Electric. H. A. Bremer. 1,520,461; Dec. 23.
 Condenser, Variable. C. S. Cherpeck. 1,520,329; Dec. 23.
 Confection, Frozen. W. C. Morgan. 1,520,302; Dec. 23.
 Contact tip, Removable. R. Swartz. 1,520,454; Dec. 23.
 Container. L. C. Brooks. 1,520,527; Dec. 23.
 Container. C. E. Bultman. 1,520,118; Dec. 23.
 Container closure. L. C. Brooks. 1,520,528; Dec. 23.
 Container closure. F. Coates. 1,520,403; Dec. 23.
 Containers, Discharge closure for liquid. E. O. Lundblad. 1,520,502; Dec. 23.
 Containers, Removable cap for. D. M. Kerr. 1,520,250; Dec. 23.
 Control, System and means of. F. H. Johnson. 1,520,132; Dec. 23.
 Conveyor, Elevating. J. F. Connolly. 1,520,332; Dec. 23.
 Conveyor mechanisms, Safety device for. R. E. Baker. A. F. Cummins, and E. H. Ford. 1,520,000; Dec. 23.
 Cooker or heating unit, Electric. G. H. Bindon. 1,520,321; Dec. 23.
 Copyholder. J. F. MacGregor. 1,520,363; Dec. 23.
 Core-molding machine. J. Haug. 1,520,238; Dec. 23.
 Cot, Adjustable. H. E. Hope. 1,520,649; Dec. 23.
 Cotton drier. G. Lawson. 1,520,187; Dec. 23.
 Compler. E. P. Kinne. 1,520,251; Dec. 23.
 Coupling: See—
 Table-top coupling.
 Coupling. W. Deuser. 1,520,336; Dec. 23.
 Coupling. G. E. Kähler. 1,520,062; Dec. 23.
 Coupling. F. L. Platt, G. N. Hein, and R. R. Impey. 1,520,508; Dec. 23.
 Covering and decorating the same, Surface. C. F. Humphreys. 1,520,130; Dec. 23.
 Crusher. D. J. Nevill. 1,520,202; Dec. 23.
 Crushing mill. E. Barthelme. 1,520,319; Dec. 23.
 Cultivators and seed drills, Hoe for. P. Perdue. 1,520,079; Dec. 23.
 Curtain fixture. P. Thibodeau. 1,520,265; Dec. 23.
 Cutter-clearance gauge. W. F. Smith. 1,520,450; Dec. 23.
 Davit. A. P. Schat. 1,520,087; Dec. 23.
 Decking system. A. D. Lightner and E. Holmes. 1,520,293; Dec. 23.
 Desk set and lamp, Combined. H. Mallin. Des. 66,296; Dec. 23.
 Detachable connection between members and supporting shafts, Quickly. F. H. M. Hart. 1,520,128; Dec. 23.

Differential mechanism. E. M. Bell. 1,520,329; Dec. 23.
 Dish. W. M. Clemans. 1,520,402; Dec. 23.
 Dish. T. C. Hildsey. Des. 66,288; Dec. 23.
 Dish or similar article, Covered. G. De Rosa. Des. 66,278; Dec. 23.
 Dishwashing machine. G. S. Blakeslee. 1,520,110; Dec. 23.
 Dishwashing machine. R. Olmes. 1,520,667; Dec. 23.
 Dispensing apparatus. J. N. Burno. 1,520,560; Dec. 23.
 Dispensing receptacles, Spout for. H. Lewis. 1,520,029; Dec. 23.
 Display container, Jewelry. E. I. Rogers, Jr. 1,520,310; Dec. 23.
 Display device. A. E. Hurst. 1,520,472; Dec. 23.
 Distillation, Increasing efficiency of. H. E. Deekbach. 1,520,121; Dec. 23.
 Doll. K. W. Wade. Des. 66,310; Dec. 23.
 Doll heads on box lids, Mounting. C. Harris and M. A. Katz. 1,520,346; Dec. 23.
 Doll, Novelty. K. W. Wade. Des. 66,311-12; Dec. 23.
 Door. F. H. Dickason. 1,520,177; Dec. 23.
 Door holder. G. A. Garlow. 1,520,639; Dec. 23.
 Door silencer. R. P. Morgan. 1,520,199; Dec. 23.
 Dough-working device. C. A. Schmid. 1,520,602; Dec. 23.
 Dredging apparatus. G. Smith. 1,520,449; Dec. 23.
 Drier: See—
 Cotton drier.
 Drier. W. H. Rihl. 1,520,512; Dec. 23.
 Drill. R. B. Shubb. 1,520,147; Dec. 23.
 Drinking fountain. I. V. Randle. 1,520,441; Dec. 23.
 Drip catcher. J. D. Keymore. 1,520,511; Dec. 23.
 Duplicator. C. Shillitto and A. J. Hardy. 1,520,606; Dec. 23.
 Dynamo-electric machine. C. F. Gilchrist. 1,520,237; Dec. 23.
 Egg carrier. E. P. Watson, sr. 1,520,622; Dec. 23.
 Egg container. N. Sander. 1,520,513; Dec. 23.
 Egg shelling device. C. Abandowitz. 1,520,524; Dec. 23.
 Eggs, Machine for treating. C. McCullough. 1,520,424; Dec. 23.
 Electric starting, stopping and detecting device. A. A. Vorndieke. 1,520,678; Dec. 23.
 Electric heater. A. H. Happe. 1,520,241; Dec. 23.
 Electric interrupter. J. A. Otero. 1,520,074; Dec. 23.
 Electric-light fixtures, Limitation candle for. A. V. Bender. Des. 66,259; Dec. 23.
 Electric switch. C. W. Denny. 1,520,406; Dec. 23.
 Electric switch. E. Penn. 1,520,258; Dec. 23.
 Electric swivel connection. B. E. Quadri. 1,520,308; Dec. 23.
 Electrical conductor. C. W. Abbott. 1,520,680; Dec. 23.
 Electrical conductors, Coupling for. D. B. Mills. 1,520,503; Dec. 23.
 Electrical connector and supporting device. F. E. Kolar. 1,520,421; Dec. 23.
 Electrical connection. C. H. Ocumpangh. 1,520,073; Dec. 23.
 Electrical roll-heating apparatus. H. C. Mosley. 1,520,426; Dec. 23.
 Electromagnetic-wave signaling system. N. Lea and J. Roe. 1,520,580; Dec. 23.
 Elevators, Support and release for well tubing. O. A. Thompson. 1,520,374; Dec. 23.
 Emblem or the like. W. Z. Allen. Des. 66,255; Dec. 23.
 Engine: See—
 Internal-combustion engine
 Traction engine.
 Engine starter. B. H. Gilson. 1,520,468-9; Dec. 23.
 Engines, Combined atomizer and vaporizer for oil. A. C. Smith. 1,520,153; Dec. 23.
 Engines, Air-cooling system for explosion. A. A. H. Tisserant. 1,520,521; Dec. 23.
 Engines, Making fluid-tight sliding joints in internal-combustion. C. Pressland. 1,520,307; Dec. 23.
 Engines, Means for starting internal-combustion. A. J. Adams. 1,520,552; Dec. 23.
 Engines, Valve-actuating gear for internal-combustion. G. Pielstick. 1,520,208; Dec. 23.
 Engines, Valve for Corliss. E. L. Gustafson. 1,520,413; Dec. 23.
 Equalizer. J. H. Gibson. 1,520,058; Dec. 23.
 Evaporating apparatus. H. F. Ruggles. 1,520,368; Dec. 23.
 Evaporating solutions, Apparatus for. E. Monli. 1,520,069; Dec. 23.
 Extension table. J. B. Dess. 1,520,337; Dec. 23.
 Extracting machine. G. Lieberman. 1,520,190; Dec. 23.
 Eyelet-forming machine. Leaf-spring. W. Evans. 1,520,635; Dec. 23.
 Fabric, Making a felted and woven. H. W. Merrick. 1,520,198; Dec. 23.
 Fabric or paper reinforcing machine. C. H. Howard and L. Sharp. 1,520,349; Dec. 23.
 Faucet, Laundry-tray. E. G. Evensta and H. J. Anderson. 1,520,018; Dec. 23.
 Feed hopper. M. Smith. 1,520,607; Dec. 23.
 Feeding device. W. E. Ziegner. 1,520,669; Dec. 23.
 Feeding machine. N. P. B. Eskildsen. 1,520,634; Dec. 23.
 Fencepost. J. H. Cannon. 1,520,326; Dec. 23.
 Fencepost. J. A. Welgen. 1,520,163; Dec. 23.
 File for canceled checks. P. Rigot, Jr. 1,520,443; Dec. 23.
 Filling device. J. W. Ellenwood. 1,520,568; Dec. 23.
 Filter, Gasoline. J. C. Johnson. 1,520,654; Dec. 23.

Finger ring and forming the same. H. Broslavsky. 1,520,462; Dec. 23.
 Firearm, Automatic. H. Rosier. 1,520,671; Dec. 23.
 Fire and gas alarm device. W. G. Sanderson. 1,520,086; Dec. 23.
 Fire escape, Automatic. F. F. Pyleck. 1,520,440; Dec. 23.
 Fire extinguishers. P. P. Featherstone. 1,520,288; Dec. 23.
 Fireplaces, Facilitating the constitution of. A. W. Burr. 1,520,223; Dec. 23.
 First-aid container. C. A. Romadka. 1,520,444; Dec. 23.
 Fish bait, Artificial. W. W. Felker. 1,520,636; Dec. 23.
 Fishing rod support. J. Meachen. 1,520,543; Dec. 23.
 Fishing tilt. H. E. Beckwith. 1,520,556; Dec. 23.
 Flash light. H. McKenna. 1,520,297; Dec. 23.
 Floor construction. O. S. Bowman. 1,520,325; Dec. 23.
 Floors and other surface, Covering for. A. Y. Tucker. Des. 66,307; Dec. 23.
 Flowerpot cover. J. T. Hennegan. 1,520,647; Dec. 23.
 Fluid-governor meter. J. T. Wilkin. 1,520,668; Dec. 23.
 Fluid-pressure motor, Rotary. M. P. Holmes. 1,520,242; Dec. 23.
 Fluid-pressure regulator. H. J. Lockhart. 1,520,583; Dec. 23.
 Fluid transmission. E. E. Pluke. 1,520,056; Dec. 23.
 Fluid vacuum feed device. L. N. Kelley. 1,520,355; Dec. 23.
 Food and beverage preparing device, Electrical. M. M. Kohn. 1,520,501; Dec. 23.
 Food containers, Conting. A. C. Hougland. 1,520,244; Dec. 23.
 Food-handling utensil. A. M. De Vitalls. 1,520,227; Dec. 23.
 Football, net ball, and the like. T. Dudson. 1,520,281; Dec. 23.
 Form. F. Deutsch. 1,520,564; Dec. 23.
 Fountain: See—
 Drinking fountain.
 Fruit handling and sorting apparatus. A. Johnson. 1,520,352; Dec. 23.
 Fuller's earth, Revivifying. R. E. Wilson. 1,520,493; Dec. 23.
 Furnace: See—
 Glass furnace.
 Steam-boiler furnace.
 Furnace. A. E. Streadwick. 1,520,096; Dec. 23.
 Furnace regulator. H. E. Helzig. 1,520,496; Dec. 23.
 Furniture set. N. Gard. 1,520,641; Dec. 23.
 Fuse. J. N. Nenonen. 1,520,201; Dec. 23.
 Fuse plug. T. F. Cote. 1,520,561; Dec. 23.
 Game. J. V. Stolper. 1,520,316; Dec. 23.
 Game apparatus. W. M. Hamilton. 1,520,345; Dec. 23.
 Game apparatus. O. Smith. 1,520,608; Dec. 23.
 Game, Parlor football. E. A. Clark. 1,520,010-11; Dec. 23.
 Game piece. C. J. Wahl. 1,520,039; Dec. 23.
 Garment protector. H. J. J. Alexander. 1,520,563; Dec. 23.
 Gas and solids, Apparatus for the instantaneous cooling of mixtures of. R. H. Browndee and R. H. Uhlinger. 1,520,115; Dec. 23.
 Gas cut-off and fire alarm, Automatic. J. G. Harrold. 1,520,126; Dec. 23.
 Gas gasoline from natural gas, Recovering natural. M. P. Youker. 1,520,627; Feb. 23.
 Gaseous reactions, Catalyzing. M. Pipkin. 1,520,457; Dec. 23.
 Gate: See—
 Railway gate.
 Railway-crossing gate.
 Gate. J. H. Adams. 1,520,318; Dec. 23.
 Gauge: See—
 Cutter-clearance gauge.
 Liquid-level gauge.
 Indicating gauge.
 Gear. Draft. A. C. Davidson. 1,520,536; Dec. 23.
 Gear, Wagon. C. W. White. 1,520,381; Dec. 23.
 Gear wheel. D. Wigley. 1,520,625; Dec. 23.
 Gearing, Transmission. J. M. Murphy. 1,520,545; Dec. 23.
 Gelatin, Apparatus for manufacturing thin sheets of. R. A. McQuilty. 1,520,660; Dec. 23.
 Gem-setting machine. E. Culotta. 1,520,013; Dec. 23.
 Generator: See—
 Oil-vapor generator.
 Glass feeder. L. D. Soubier and E. T. Ferngren. 1,520,213; Dec. 23.
 Glass, Feeding molten. E. T. Ferngren. 1,520,229; Dec. 23.
 Glass furnace, Muffle. P. Ebeling. 1,520,408; Dec. 23.
 Gin. J. C. Garner. 1,520,412; Dec. 23.
 Golf club. E. J. Bloom. 1,520,113; Dec. 23.
 Golf, Indoor game of. W. R. Purnell. 1,520,081; Dec. 23.
 Governor, Engine or motor. H. Müller. 1,520,593; Dec. 23.
 Grate, Divided. H. F. Hollands. 1,520,243; Dec. 23.
 Grate, Shaking and dumping. A. D. Hamlin. 1,520,239; Dec. 23.
 Grave lining. D. F. Forwood. Des. 66,284-5; Dec. 23.
 Handle: See—
 Auto mobile hand-jack
 Shovel handle.
 Hanger: See—
 Jack hanger.
 Harvester, Vegetable. E. P. Kendall. 1,520,577; Dec. 23.
 Harvesting and thrashing machine, Combined grain. C. R. Brown. 1,520,558; Dec. 23.

Harvesters, Pick-up attachment for. L. H. Thoen. 1,520,456; Dec. 23.
 Hasp, Locking or holding. A. Levine. 1,520,189; Dec. 23.
 Hat-forming dies. R. M. Cuning. 1,520,015; Dec. 23.
 Hats, Ventilating device for. J. Franklin. 1,520,290; Dec. 23.
 Header and thrasher, Combined. E. Coburn. 1,520,404; Dec. 23.
 Headlight. C. F. Damm. 1,520,405; Dec. 23.
 Headlight. W. A. Robertson. 1,520,480; Dec. 23.
 Headlight dimmer. T. J. Madigan. 1,520,192; Dec. 23.
 Headlight, Dirigible. D. McKay. 1,520,423; Dec. 23.
 Headlight mechanism, Automobile. H. C. Raver. 1,520,551; Dec. 23.
 Heater: See—
 Electric heater.
 Incubator heater.
 Hover and brooder heater.
 Water heater.
 Heating device, Electric. N. O. Clark. 1,520,174; Dec. 23.
 Heating system. W. L. Fleisher. 1,520,231; Dec. 23.
 Heel, Resilient. A. Trolano. Re15,972; Dec. 23.
 Hinge. A. Ekman. 1,520,179; Dec. 23.
 Hoisting and conveying device. B. E. Collins. 1,520,175; Dec. 23.
 Hoisting apparatus. G. F. Dodge. 1,520,538; Dec. 23.
 Honey, Shipping and exhibiting case for. A. V. Small. 1,520,152; Dec. 23.
 Hood. A. L. Yelle. 1,520,269; Dec. 23.
 Hook. J. R. Keaton. 1,520,576; Dec. 23.
 Horse collar. G. R. Kelly. 1,520,061; Dec. 23.
 Hose supporters, Detachable connecting device for. A. V. Brown. 1,520,114; Dec. 23.
 Hover and brooder heater. H. M. Sheer. 1,520,605; Dec. 23.
 Humidifier and deodorizer, Electric. J. E. Blount. 1,520,050; Dec. 23.
 Hydrocarbon gases, Chlorination of. E. H. Payne and S. A. Montgomery. 1,520,506; Dec. 23.
 Hygrometric indicator, recorder, and regulator. E. W. Comfort. 1,520,533; Dec. 23.
 Incubator heater. G. E. Christensen. 1,520,531; Dec. 23.
 Indicating gauge. O. Schlaupitz. 1,520,263; Dec. 23.
 Indicator. J. Hubicki. 1,520,417; Dec. 23.
 Insulating board, Composite. G. H. Ellis. 1,520,284; Dec. 23.
 Insulator bracket. T. H. Barnard. 1,520,218; Dec. 23.
 Internal-combustion engine. E. C. Kavanaugh. 1,520,353; Dec. 23.
 Internal-combustion engine. A. E. Osborn. 1,520,205; Dec. 23.
 Internal-combustion engine. A. W. Wall. 1,520,620; Dec. 23.
 Iron: See—
 Soldering iron.
 Ironing machine. T. E. Hunt. 1,520,246; Dec. 23.
 Jack: See—
 Radiojack.
 Jack hanger. J. I. Miller. 1,520,590; Dec. 23.
 Joint: See—
 Pipe joint.
 Joy road. L. A. Marshall. 1,520,299; Dec. 23.
 Knife-clamping device. P. S. Mills. 1,520,068; Dec. 23.
 Knife, Seed-potato-cutting. W. E. Peyton. 1,520,436; Dec. 23.
 Knitting machines, Needle-actuating cam for. W. S. Parker. 1,520,479; Dec. 23.
 Knob cap. C. L. Craver. 1,520,534; Dec. 23.
 Lace. G. Radford. Des. 66,301; Dec. 23.
 Ladder. D. A. Hamilton. 1,520,414; Dec. 23.
 Lamp construction. Thiefproof. R. S. Iremonger. 1,520,350; Dec. 23.
 Lamp, Portable. A. C. Kleckner. 1,520,473; Dec. 23.
 Lamp, Safety. J. R. Jacobs. 1,520,574; Dec. 23.
 Lamps, Controller for automobile. F. Waldorf. 1,520,040; Dec. 23.
 Lamps, Switch for portable electric. H. H. Hipwell. 1,520,025; Dec. 23.
 Lathes, Thread-chasing attachment for. G. W. Drake. 1,520,494; Dec. 23.
 Laundry-bag holder and weight indicator, Combined. P. R. Syers. 1,520,372; Dec. 23.
 Laundry-machine-drum closure. O. R. Gassner. 1,520,234; Dec. 23.
 Lens. E. D. Tillyer and A. E. Glancy. 1,520,617; Dec. 23.
 Lens and the arrangement of lenses. O. Buchner. 1,520,559; Dec. 23.
 Lens-grinding machine. L. G. Simpson. 1,520,094; Dec. 23.
 Lens-grinding machinery. G. S. Dey and H. W. Hill. 1,520,631; Dec. 23.
 Lens-pattern. W. B. Rushmer. 1,520,445; Dec. 23.
 Lens-surfacing machine. A. E. Maynard and W. A. Gunn. 1,520,662; Dec. 23.
 Letter-stamping machine. J. C. Snodgrass. 1,520,609; Dec. 23.
 Level-indicating device. F. G. Bloch. 1,520,004; Dec. 23.
 License bracket. H. W. Terwilliger. 1,520,455; Dec. 23.
 License or card holder, Vehicle. B. H. Borreson. 1,520,324; Dec. 23.
 License-plate and tail-light structure, Combination. R. L. Morlan and L. J. Costello. 1,520,257; Dec. 23.
 Light deflector. C. V. McCauley. 1,520,475; Dec. 23.
 Lighting fixture. G. B. Thomas. 1,520,516; Dec. 23.

Lip-stick holder. A. H. Noble. 1,520,430; Dec. 23.
 Liquid containers, Protective device for. E. C. Furman. 1,520,182; Dec. 23.
 Liquid fuels, Burning. R. W. Wiederwax. 1,520,624; Dec. 23.
 Liquid-level gauge. C. J. McClure. 1,520,360-1; Dec. 23.
 Liquid proportioning, mixing, and dispensing machine. A. R. Walters and F. A. Madden. 1,520,664; Dec. 23.
 Loader, Shock. E. Witcombe. 1,520,165; Dec. 23.
 Lock: See—
 Automobile lock. Combination lock.
 Burglarproof lock. Nut lock.
 Lock, Combination knob and dial for a. A. C. Jackson. Des. 66,290; Dec. 23.
 Locomotive, Articulated. E. K. Clark. 1,520,331; Dec. 23.
 Locomotive provided with condensers. F. Ljungström. 1,520,423; Dec. 23.
 Log bunk. F. W. Christwell. 1,520,009; Dec. 23.
 Loom card-pegging machine. F. Utley. 1,520,159; Dec. 23.
 Loom, Double-pile-fabric. J. F. Benoit. 1,520,274; Dec. 23.
 Looms and threading the same, Tube of Axminster and like carpet. E. J. Perry. 1,520,595; Dec. 23.
 Looms, Cloth hold down for. J. L. Paschall. 1,520,434; Dec. 23.
 Looms, Feeler mechanism for. M. L. Stone. 1,520,157; Dec. 23.
 Looms, Pick counter for. A. H. Morton. 1,520,364; Dec. 23.
 Loose-leaf folders or books, Cover for. M. H. Slater. 1,520,151; Dec. 23.
 Lopping or pruning shears. L. J. Cagle. 1,520,529; Dec. 23.
 Magnetos, Impulse-drive mechanism for. C. E. Pearson. 1,520,297; Dec. 23.
 Material-handling apparatus. L. D. Jensen. 1,520,652; Dec. 23.
 Material-handling equipment. H. E. Skouger. 1,520,150; Dec. 23.
 Measuring and cost computing machine, Fabric. G. C. Bosch and J. L. Wheeler. 1,520,471; Dec. 23.
 Measuring apparatus. G. E. Escher. 1,520,339; Dec. 23.
 Metal band, Expandible. C. H. Kesterman. 1,520,186; Dec. 23.
 Metal-folding machine. L. E. James. 1,520,419; Dec. 23.
 Metals, Reduction of. W. R. Hamilton and F. Reld. 1,520,240; Dec. 23.
 Meter: See—
 Fluid governor meter.
 Mill: See—
 Crushing mill.
 Milk and mail box, Combined. G. Mezel. 1,520,544; Dec. 23.
 Mining machine. C. E. Davis. 1,520,280; Dec. 23.
 Mixing and heating machine. H. Trust and F. M. Ashley. 1,520,375; Dec. 23.
 Mold: See—
 Concrete mold.
 Molds, Machine for making. E. O. Beardsley and W. F. Piper. 1,520,220; Dec. 23.
 Mop. H. A. Hanson. 1,520,646; Dec. 23.
 Mop. C. J. Monville. 1,520,500; Dec. 23.
 Mop, Polishing. J. J. Shickman. 1,520,148; Dec. 23.
 Motor: See—
 Fluid pressure motor. Spring motor.
 Motors, Winding device for spring. H. A. Harbort. 1,520,418; Dec. 23.
 Muller. S. W. Scofield and M. W. Muehlhauser. 1,520,090; Dec. 23.
 Muscle-leaf turner. P. H. San Souci. 1,520,691; Dec. 23.
 Musical instruments, Keyboard and attachment controlled thereby for. M. D. Suarez. 1,520,612; Dec. 23.
 Nail band and producing the same. F. Hugh. 1,520,026; Dec. 23.
 Napkin clip, Safety. C. S. White. 1,520,043; Dec. 23.
 Necktie. F. M. Mulroney. 1,520,427; Dec. 23.
 Neckwear, Method of and apparatus for removing wrinkles from used. C. J. Fricker. 1,520,411; Dec. 23.
 Nicotine absorber. J. T. Linklater. 1,520,252; Dec. 23.
 Nozzle, Spray. C. M. C. Baird. 1,520,048; Dec. 23.
 Nut and fruit gatherer. A. E. Heben. 1,520,129; Dec. 23.
 Nut lock. T. V. S. Dorsey. 1,520,567; Dec. 23.
 Nut lock. H. W. Mculloch. 1,520,632; Dec. 23.
 Odometer, Mileage-per-mile indicating. F. G. Whittington. 1,520,216; Dec. 23.
 Oil burner. C. H. Simmons. 1,520,211; Dec. 23.
 Oil vapor generator. J. R. Shannon. 1,520,146; Dec. 23.
 Oiling device. A. O. Carpenter and J. Le Valley. 1,520,390; Dec. 23.
 Oils into component parts, Apparatus for separating composite. F. E. Van Tilburg. 1,520,161; Dec. 23.
 Ore and the like, Apparatus for handling. C. E. Davis. 1,520,119-20; Dec. 23.
 Oxides, Preparing absorbent and catalytic. W. A. Patrick. 1,520,305; Dec. 23.
 Pad and holder, Combined. I. E. Pratt. 1,520,260; Dec. 23.
 Padlock. R. Mitchell. 1,520,035; Dec. 23.
 Padlock, Combination. S. Shaler. 1,520,092; Dec. 23.

Pail, Scrubbing. M. L. Arnold. 1,519,999; Dec. 23.
 Paint-spraying cabinet. F. Waltz. 1,520,267; Dec. 23.
 Pan: See—
 Strup pan.
 Panel board. H. F. Starrett. 1,520,452; Dec. 23.
 Paper-folding machine. G. A. Shaffer and F. H. Wirtz. 1,520,312; Dec. 23.
 Paper, Machine for separating and gathering sheets of. S. C. Grunlee. 1,520,022; Dec. 23.
 Paper-making machine. F. S. McDonnell. 1,520,659; Dec. 23.
 Paper pulp and for other purposes, Washing apparatus suitable for the treatment of. W. A. R. M. McIntae. 1,520,580; Dec. 23.
 Paper pulp or the like, Screen for. J. M. L. Spangenberg. 1,520,371; Dec. 23.
 Parquetry and wood mosaic, Manufacture of. J. H. Skinner and F. C. Ross. 1,520,313; Dec. 23.
 Pattern-grading machine. R. M. Packard. 1,520,075; Dec. 23.
 Pedestal table, Knockdown. W. S. Thomason. 1,520,520; Dec. 23.
 Pen, Fountain. W. Williams. 1,520,104; Dec. 23.
 Pendulum level. E. H. Newton and J. Sutter. 1,520,429; Dec. 23.
 Periscope with a transparent hood. J. Humbrecht. 1,520,245; Dec. 23.
 Phonograph and radio cabinet, Combined. M. Victorson. Des. 66,308; Dec. 23.
 Phonograph records, Machine for molding. C. A. Thomson. 1,520,214; Dec. 23.
 Photographic mount, album, and the like. J. Walker. 1,520,041; Dec. 23.
 Picture device, Motion. J. W. Doran. 1,520,566; Dec. 23.
 Pin fabric to simulate fur blankets and producing the same. S. E. Crensey. 1,520,333; Dec. 23.
 Pin: See—
 Bowling pin. Toggle pin.
 Pin or similar article. F. J. Ravenhall. Des. 66,302; Dec. 23.
 Pipe joint. W. Krause. 1,520,028; Dec. 23.
 Pipe template, Adjustable. A. B. Sandell. 1,520,143; Dec. 23.
 Pipes together, Die for connecting. H. A. Stenning. 1,520,095; Dec. 23.
 Pistol, Automatic. W. Mann. 1,520,298; Dec. 23.
 Piston-ring-contracting device. C. Barchus. 1,520,393; Dec. 23.
 Pitcher or similar article. J. O. Balda. Des. 66,258; Dec. 23.
 Pitchfork and rake, Convertible. O. Vetsch. 1,520,266; Dec. 23.
 Plant leaves, Shredding fibrous. G. A. Lowry. 1,520,358; Dec. 23.
 Plants, Machine for shredding the leaves of fibrous. G. A. Lowry. 1,520,359; Dec. 23.
 Plate or similar article. J. J. Miller. Des. 66,298-9; Dec. 23.
 Pliers. H. H. Thim. 1,520,613; Dec. 23.
 Plow attachment. G. J. Berck. 1,520,396; Dec. 23.
 Pneumatic tool. H. E. Rogers. 1,520,141; Dec. 23.
 Pocket, Resealable detachable. S. Zetlin. 1,520,100; Dec. 23.
 Polishing tool. J. K. Prather. 1,520,596; Dec. 23.
 Portfolios and the like, Locking catch for. H. Tueckmantel. 1,520,038; Dec. 23.
 Post: See—
 Fencepost.
 Pot-charging mechanism. W. C. Redfield. 1,520,083; Dec. 23.
 Powder receptacle, Toilet. J. A. Sweat. 1,520,036; Dec. 23.
 Power plant. P. Broughton. 1,520,005; Dec. 23.
 Preservative composition. B. W. Richards. 1,520,442; Dec. 23.
 Pressing apparatus, Roll for rotary. R. E. Wagner. 1,520,489; Dec. 23.
 Printing, Device for effecting the registration of plates for multicolor. E. Bassett. 1,520,192; Dec. 23.
 Printing machine, Rotary. J. Murray. 1,520,546; Dec. 23.
 Projectile, Oblong drop. H. Jacob. 1,520,131; Dec. 23.
 Pulverizing machine. E. H. Elzemer and P. S. Knittel. 1,520,228; Dec. 23.
 Pulverizing, Method and apparatus for. L. De Markus. 1,520,537; Dec. 23.
 Pump plunger. J. D. Carr and J. F. Ritch. 1,520,173; Dec. 23.
 Pump plunger. C. J. Schenk. 1,520,262; Dec. 23.
 Pump, Rectilinear. H. H. Watkins. 1,520,621; Dec. 23.
 Pumping apparatus for wells. V. H. Pahn. 1,520,977; Dec. 23.
 Pumps, Agitator for chain. J. B. Mayberry. 1,520,195; Dec. 23.
 Pumps, Register for liquid. E. C. Snodgrass. 1,520,514; Dec. 23.
 Puzzle. C. F. Dietz. 1,520,666; Dec. 23.
 Puzzle and game, Combination. W. C. Irwin. 1,520,651; Dec. 23.
 Radiator cap. J. M. Thoenes and C. C. Fischer. Des. 66,306; Dec. 23.
 Radiator for motor-driven vehicles. H. R. Souger. 1,520,212; Dec. 23.

Radio game. W. R. Parnell. 1,520,082; Dec. 23.
 Radiojack. R. H. Manson. 1,520,661; Dec. 23.
 Radioreceivers, Pointer for. R. C. Edwards. Des. 66,279; Dec. 23.
 Rail clamp. T. J. Kohnth and J. J. Plouch. 1,520,657; Dec. 23.
 Railway-crossing gate, Automatic. P. A. Duceza. 1,520,392; Dec. 23.
 Railway-crossing gate, Automatic. A. Nelson. 1,520,428; Dec. 23.
 Railway gate, Automatic. P. Parnicky. 1,520,433; Dec. 23.
 Railway signaling. F. H. Nicholson. 1,520,072; Dec. 23.
 Rake cleaner. G. W. Craig. 1,520,278; Dec. 23.
 Range. W. A. Busiek. 1,520,463-4; Dec. 23.
 Razor, Safety. A. Seligstein. 1,520,264; Dec. 23.
 Razor, Safety. F. Sexauer. 1,520,604; Dec. 23.
 Record container. C. Schneider. 1,520,369; Dec. 23.
 Refractory article. F. J. Toner. 1,520,487; Dec. 23.
 Refrigerator. W. M. Myers. 1,520,200; Dec. 23.
 Refrigerator construction. A. Elmendorf. 1,520,409; Dec. 23.
 Refrigerators, Refrigerator unit for domestic. C. H. Jacobson and C. Breer. 1,520,248; Dec. 23.
 Regulator: See—
 Fluid-pressure regulator. Furnace regulator.
 Reservoirs, Automatic drain apparatus for. A. Gottschalk. 1,520,124; Dec. 23.
 Ribbed article and forming same. S. D. Nichols. 1,520,303; Dec. 23.
 Rim-plating machine. H. K. Kopplin. 1,520,676; Dec. 23.
 Roll-gauging machine. J. F. Flaherty. 1,520,020; Dec. 23.
 Rolls, Machine for buttering. F. Fabbian. 1,520,286; Dec. 23.
 Roof for sheds, railway stations, terminals, and the like. O. and M. Borguet. 1,520,322; Dec. 23.
 Roofing, Machine for making asphalt. H. A. Cumfer. 1,520,014; Dec. 23.
 Rubber and other heavy plastic material, Machine for treating. F. H. Banbury. 1,520,001; Dec. 23.
 Rug. A. H. Waldo. Des. 66,313; Dec. 23.
 Rug. H. H. Waldo. Des. 66,314; Dec. 23.
 Salmi-tying machine. B. F. Vittori and F. E. Reda. 1,520,162; Dec. 23.
 Sandpaper holder. G. A. Giroux. 1,520,642; Dec. 23.
 Saw. H. T. Chinn. 1,520,330; Dec. 23.
 Saw blade. A. Lind. 1,520,422; Dec. 23.
 Saw guide. J. H. Thompson. 1,520,615; Dec. 23.
 Screw, Templer. G. G. Brady. 1,520,401; Dec. 23.
 Seal. J. Kitchell. 1,520,578; Dec. 23.
 Seal, Notarial. F. J. Callahan. 1,520,277; Dec. 23.
 Sealing caps and applying them onto the vessels to be sealed, Manufacture of. A. Dultz. 1,520,054; Dec. 23.
 Sealing device, Can. C. Verway. 1,520,459; Dec. 23.
 Sealing machine, Tape. C. C. Gamm. 1,520,683; Dec. 23.
 Seat: See—
 Commode seat.
 Seed dropper. W. H. Denton. 1,520,017; Dec. 23.
 Separator and grinder. M. Fels. 1,520,055; Dec. 23.
 Shade and curtain hanger, Combination. J. P. Mahoney. 1,520,066; Dec. 23.
 Shade-holding device. R. B. Benjamin. 1,520,386; Dec. 23.
 Shafts or like operations, Apparatus for cutting inclined keyways in. J. W. Barnes. 1,520,219; Dec. 23.
 Sharpener, Penel. H. Dornseif. 1,520,338; Dec. 23.
 Sharpening tool. F. J. Toner. 1,520,458; Dec. 23.
 Shock absorber. J. Hofmann. 1,520,347-8; Dec. 23.
 Shoe counters, Making. R. B. Respass. 1,520,510; Dec. 23.
 Shoe-sewing machine. F. E. Bertrand. 1,520,275-6; Dec. 23.
 Shoes, Identifying. J. A. Bush. 1,520,224; Dec. 23.
 Shopping bag. T. J. Nestor. 1,520,071; Dec. 23.
 Shovel handle. J. E. McMahon. 1,520,253; Dec. 23.
 Shoveling and loading machine, Portable. R. S. Jacobsen. 1,520,247; Dec. 23.
 Sighting lines, Examining the relative position of. W. Bauersfeld and O. Mackensen. 1,520,383; Dec. 23.
 Signal: See—
 Automobile signal.
 Signal. M. Schalke. 1,520,672; Dec. 23.
 Signal device. C. E. Beach. 1,520,394; Dec. 23.
 Signaling system. J. F. Toomey. 1,520,098; Dec. 23.
 Signaling system, Selective. G. K. Thompson. 1,520,097; Dec. 23.
 Sintering apparatus. T. J. Davis. 1,520,535; Dec. 23.
 Siren, Signaling. A. B. Cosgrave and W. H. Lewis. 1,520,225; Dec. 23.
 Strup pan. E. A. Lester. 1,520,582; Dec. 23.
 Socket, Candle. A. J. Tizley. 1,520,522; Dec. 23.
 Soda-water apparatus. J. K. Neff. 1,520,136; Dec. 23.
 Soldering iron. H. J. Grevers and J. Dorsan. 1,520,645; Dec. 23.
 Soldering iron. A. B. Reavis. 1,520,597; Dec. 23.
 Soldering iron. S. R. Thornton. 1,520,616; Dec. 23.
 Sound amplifier. E. A. Lefebvre. 1,520,581; Dec. 23.
 Sound, Apparatus for recording and reproducing. S. S. Waters. 1,520,378; Dec. 23.
 Sound, Method of and apparatus for producing. H. C. Lord. 1,520,357; Dec. 23.
 Sound waves, Transmitting and receiving device. W. Hahnemann. 1,520,291; Dec. 23.

Soup stick. S. H. Perky. Des. 66,300; Dec. 23.
 Sparking plug. F. L. Eldridge. 1,520,674; Dec. 23.
 Speed register. D. F. Shaffer. 1,520,447; Dec. 23.
 Spool. G. H. Bird. 1,520,003; Dec. 23.
 Spool. H. H. Verminie. 1,520,379; Dec. 23.
 Spoon or similar article. R. L. Danks and M. L. Baker. Des. 66,276; Dec. 23.
 Spout and container, Pouring. H. Brucker. 1,520,006; Dec. 23.
 Sprayer, Laundry. S. Satake. 1,520,446; Dec. 23.
 Spring motor. D. E. Odum. 1,520,548; Dec. 23.
 Spring wheel. H. de W. Seuthin. 1,520,091; Dec. 23.
 Squeegee. A. P. Winkarski. 1,520,045; Dec. 23.
 Stair tread. P. Wallisch and W. Chott. 1,520,042; Dec. 23.
 Stamping machine with magazine, Automatic. N. Nielsen. 1,520,365; Dec. 23.
 Starting mechanism. L. Blackmore. 1,520,681; Dec. 23.
 Statle-electricity-grounding device. F. C. Singleton. 1,520,485; Dec. 23.
 Statuette. R. Danske. Des. 66,277; Dec. 23.
 Steam-boller furnace. W. A. Gilchrist. 1,520,236; Dec. 23.
 Steel, Manufacture of. P. R. Kuehnrich. 1,520,063; Dec. 23.
 Steering mechanism for motor-driven vehicles. P. L. Tenney. 1,520,679; Dec. 23.
 Steering mechanism of motor vehicles, Locking means for the. C. A. Godshalk. 1,520,643; Dec. 23.
 Steering-wheel rims, Making. A. B. Mackey. 1,520,191; Dec. 23.
 Stereoscope. E. A. Ruth. 1,520,311; Dec. 23.
 Stickpin. L. and D. Feingold. Des. 66,283; Dec. 23.
 Strup. E. E. McCanis. 1,520,536; Dec. 23.
 Stocking. J. Greenwald. Des. 66,287-7; Dec. 23.
 Stone spreader. A. Jeffrey. 1,520,059; Dec. 23.
 Stool, Chiropractic posture. F. Matkovic. 1,520,589; Dec. 23.
 Storage battery. J. F. McAnuley. 1,520,587; Dec. 23.
 Storage-cell cover. W. K. Fleming and A. M. Baehr. 1,520,495; Dec. 23.
 Storage tank. O. S. Flath. 1,520,230; Dec. 23.
 Stove, Cooking and heating. G. H. Preston. 1,520,138; Dec. 23.
 Stove, Knockdown. L. K. Beyendorf. 1,520,565; Dec. 23.
 Stovepipe attachment. A. P. Darley. 1,520,563; Dec. 23.
 Street sweeper. J. H. Stewart. 1,520,315; Dec. 23.
 Surgical bandages, Device for cutting. D. Shockey. 1,520,149; Dec. 23.
 Swab. A. Boynton. 1,520,469; Dec. 23.
 Switch: See—
 Electric switch.
 Switch device. J. Berg. 1,520,526; Dec. 23.
 Swimming device. C. S. Altoonian. 1,520,391; Dec. 23.
 Switching device. W. B. Manson. 1,520,193; Dec. 23.
 Table: See—
 Concentrating table. Pedestal table.
 Extension table.
 Table. W. E. Kehoe. Des. 66,293; Dec. 23.
 Table-top coupling. W. S. Thomason. 1,520,518; Dec. 23.
 Table with detachable top. W. S. Thomason. 1,520,517; Dec. 23.
 Tables, Connector for the end and side rails of knock-down. W. S. Thomason. 1,520,519; Dec. 23.
 Tablet, Compressed vanillin. A. Oser. 1,520,366; Dec. 23.
 Talking machines, Governor for. H. L. T. Buckle. 1,520,008; Dec. 23.
 Tank: See—
 Storage tank.
 Tape-dispensing device. H. A. Adams. 1,519,998; Dec. 23.
 Target trap. F. D. Walling. 1,520,215; Dec. 23.
 Targets, Holder for explosive. R. E. Reardon. 1,520,140; Dec. 23.
 Tea product, Making solid, water-soluble. F. C. Gephart and R. H. Harries. 1,520,122; Dec. 23.
 Telephone headset. O. E. Cote. 1,520,466; Dec. 23.
 Telephone system, Automatic. J. Wicks. 1,520,268; Dec. 23.
 Telephone system, Measured-service. W. W. Owen. 1,520,206; Dec. 23.
 Telephone, Third-rail. C. W. Walker. 1,520,619; Dec. 23.
 Tent, Portable. A. G. Emerson. 1,520,569; Dec. 23.
 Textile fabric. J. S. and T. F. Boyd. Des. 66,260-72; Dec. 23.
 Textile fabric. L. E. Ellis. Des. 66,280-1; Dec. 23.
 Textile fabric. F. E. Jackson. Des. 66,291; Dec. 23.
 Tire, Pneumatic. H. D. Ayres. Des. 66,256-7; Dec. 23.
 Theater chair. L. Roth. 1,520,142; Dec. 23.
 Thermionic device. G. L. Gelsay. 1,520,640; Dec. 23.
 Thermostat, Quick-acting. A. Johnson. 1,520,499; Dec. 23.
 Thermostatic circuit closer. J. H. Scharff. 1,520,145; Dec. 23.
 Thermostatic couple. A. J. and C. A. Otto. 1,520,549; Dec. 23.
 Thrashing machines, Grain-weighting attachment for. J. C. Heineke. 1,520,470; Dec. 23.
 Ticket-printing machines, Numbering mechanism for. J. A. Keller and C. Spielmann. 1,520,554; Dec. 23.
 Timepiece, Electrically-controlled. L. J. Stern. 1,520,453; Dec. 23.

ALPHABETICAL LIST OF INVENTIONS.

Tire, J. H. Schwartz. Des. 66,303; Dec. 23.
Tire fabric and making same. Strand for. H. E. Grabau. 1,520,342; Dec. 23.
Tire-stripping machine. E. D. Pitt. 1,520,663; Dec. 23.
Tire tool. J. R. Robertson. 1,520,599; Dec. 23.
Tire, Vehicle. C. S. Preston. 1,520,439; Dec. 23.
Tires, Container for inner tubes for pneumatic. W. J. Rostern. 1,520,481; Dec. 23.
Tires, Repair device for pneumatic. A. A. Peck. 1,520,559; Dec. 23.
Tires, Signalling device for collapsing pneumatic. E. Arnsdorf. 1,520,665; Dec. 23.
Titanium compound and its manufacture. F. E. Bachman. Rel. 5,973; Dec. 23.
Toggle pin. G. A. Gillen. 1,520,123; Dec. 23.
Toliet seat for infants. R. L. Nye. 1,520,304; Dec. 23.
Tomato crust, Spray for. H. G. Meeks. 1,520,197; Dec. 23.
Tool, Combination. G. C. Appel. 1,520,670; Dec. 23.
Toothbrush with tooth-cleaning medium. Combined sanitary. G. H. Weissbard. 1,520,491; Dec. 23.
Towel-dispensing device. S. Van Der Wyk. 1,520,160; Dec. 23.
Toy balloon. W. R. Lorenz. Des. 66,294; Dec. 23.
Toy figure. L. Auld. 1,520,555; Dec. 23.
Toy, Locomotive. F. M. Breslin. 1,520,388; Dec. 23.
Toy vehicle. E. C. von Glahn and E. K. Peck. 1,520,523; Dec. 23.
Traction engine. E. F. Norelius. 1,520,432; Dec. 23.
Tractor. C. L. Best. 1,520,397; Dec. 23.
Tractors, Spring-mounted truck roller for. P. E. Holt. 1,520,416; Dec. 23.
Traffic signals, Casing for. E. C. Taylor. Des. 66,305; Dec. 23.
Transmission lock. Ford. G. B. Phillips and A. A. Clemens. 1,520,507; Dec. 23.
Transmission retuning band. D. B. Smith. 1,520,154; Dec. 23.
Trap. See—
Animal trap. Target trap.
Tray, Ash. J. J. Dolzer. 1,520,407; Dec. 23.
Tray, Revolving nut-drying. E. A. Smith. 1,520,448; Dec. 23.
Tray, Serving. M. Himmelfarb. 1,520,024; Dec. 23.
Trimming. Woven. C. S. Wackerman. Des. 66,309; Dec. 23.
Truck for transporting live poultry. F. N. Mudd. 1,520,504; Dec. 23.
Truck, Radiator. T. E. Baberman. 1,520,630; Dec. 23.
Truck, Six wheel. E. R. Cornwall. 1,520,176; Dec. 23.
Trunk. C. T. Wilt. 1,520,044; Dec. 23.
Tubes, Method and apparatus for splinting metal. R. Crowell. 1,520,226; Dec. 23.
Turnover machine. L. Goldstein. 1,520,644; Dec. 23.
Type-casting machine. T. F. Duff. 1,520,282; Dec. 23.
Typewriters and devices thereof, System of operation of automatic. R. W. More. 1,520,478; Dec. 23.
Typewriting machine. W. Benson. 1,520,387; Dec. 23.
Typewriting machine. S. H. Farnham. 1,520,340; Dec. 23.
Typewriting machine. F. A. Hart. 1,520,127; Dec. 23.
Typewriting machine. J. A. B. Smith. 1,520,370; Dec. 23.
Typewriting machine, Electric. A. Schorbus. 1,520,089; Dec. 23.
Typewriting machine, support. C. L. Rossiter, Jr. 1,520,085; Dec. 23.
Typographic casting and composing machines. M. C. Indahl. 1,520,572; Dec. 23.
Typographic composing machine. R. C. Elliott. 1,520,632; Dec. 23.
Typographic keyboard machine. M. C. Indahl. 1,520,571; Dec. 23.
Typographic mold mechanism. M. C. Indahl. 1,520,573; Dec. 23.
Typographic or type casting and composing machine. Automatic. R. C. Elliott. 1,520,633; Dec. 23.
Typographical machine. W. Ackerman. 1,520,270; Dec. 23.
Umbrella carrier. H. P. Nelson. 1,520,070; Dec. 23.
Underclearer rolls, Stripper for. N. E. Lucas. 1,520,031; Dec. 23.
Upholstery-edge stitching machine. J. G. Stoneback and W. A. Kelsey. 1,520,317; Dec. 23.
Valve. E. Buehle. 1,520,117; Dec. 23.
Valve. C. W. Larner. 1,520,474; Dec. 23.
Valve and spring, Adjustable. J. Kandarian. 1,520,575; Dec. 23.
Valve, Automatic intake check. W. C. Lussen. 1,520,585; Dec. 23.
Valve device, Pressure-gauge. F. J. Schmidt. 1,520,603; Dec. 23.
Valve for storage tanks, Automatic check. G. W. Watts. 1,520,490; Dec. 23.

Valve, Liquid and gas regulating. J. A. Gabriel. 1,520,233; Dec. 23.
Valve mechanism for underground liquid tanks, Removable. J. M. McGinnis. 1,520,362; Dec. 23.
Valve, Motor-vehicle fuel-intake. E. L. Beers. 1,520,103; Dec. 23.
Valve, Rotary. M. O. Anthony. 1,520,273; Dec. 23.
Valve-rotating mechanism. M. O. Anthony. 1,520,272; Dec. 23.
Valve, Self-closing. T. F. Washburn. 1,520,377; Dec. 23.
Vehicle lock and electric circuit. A. E. Falge. 1,520,076; Dec. 23.
Vehicle spring support. A. F. Shore. 1,520,482-4; Dec. 23.
Vehicles, Controller for electric. T. E. Pray. 1,520,137; Dec. 23.
Vehicles, Utility box for. P. Petersen. 1,520,259; Dec. 23.
Vehicles, Pedal-operated driving control of motor. W. Davis. 1,520,335; Dec. 23.
Vehicles, Power take-off device for motor. R. F. Crawford. 1,520,562; Dec. 23.
Ventilation system. C. H. Tower. 1,520,037; Dec. 23.
Ventilator. J. H. Ratta. 1,520,309; Dec. 23.
Voting machine. J. Patten. 1,520,078; Dec. 23.
Wagon and truck dump. E. D. McCullough and A. W. Butcher. 1,520,295-6; Dec. 23.
Wagons, Holster and axle assembly for children's. F. Hornquist. 1,520,650; Dec. 23.
Washer immersing and squeezing feeder. Rack. J. A. Hogg. 1,520,184; Dec. 23.
Washing machine. G. S. Blakeslee. 1,520,111-2; Dec. 23.
Washing machine. A. T. Edwards. 1,520,283; Dec. 23.
Watchcases, Machine for forming a rim on the back of. J. Muller. 1,520,594; Dec. 23.
Watch-chain holder. G. Becker. 1,520,395; Dec. 23.
Water-closet structure. R. J. McAnahan. 1,520,476; Dec. 23.
Water closets, Ventilator attachment for. A. W. and R. H. Ankeny. 1,520,554; Dec. 23.
Water cooler or radiator. E. T. Curran. 1,520,016; Dec. 23.
Water-cooling tower. F. W. Haas. 1,520,125; Dec. 23.
Water heater. M. L. Rishell and S. Ames. 1,520,084; Dec. 23.
Watering device. F. McArthur. 1,520,133; Dec. 23.
Watermarking dandy roll. G. W. Verow. 1,520,099; Dec. 23.
Weather strip. A. A. Lundeen. 1,520,584; Dec. 23.
Welding machine, Tube. J. L. Anderson. 1,520,271; Dec. 23.
Welding machine, Tube. R. O. and S. Berg. 1,520,221; Dec. 23.
Well cap. L. S. Hamer. 1,520,182; Dec. 23.
Well-drilling tools, Brace for. C. H. Bergquist. 1,520,168; Dec. 23.
Well strainer. Oil. E. P. Vernenil. 1,520,376; Dec. 23.
Wells and apparatus therefor, Treating oil. R. Conrad. 1,520,012; Dec. 23.
Wells and treating the products therefrom and apparatus therefor, Operating oil. R. Conrad. 1,520,052; Dec. 23.
Wheel. See—
Gear wheel. Spring wheel.
Wheel. O. H. Johski. 1,520,060; Dec. 23.
Wheel and making the same. Disk. D. H. Bellamore. 1,520,104; Dec. 23.
Wheel construction, Fifth. S. E. Wishard. 1,520,046; Dec. 23.
Winder, Constant speed. W. G. Abbott, Jr. 1,520,101; Dec. 23.
Window fastener. N. R. England. 1,520,180; Dec. 23.
Window-operating device. H. W. Meade. 1,520,300; Dec. 23.
Window, Swinging. H. T. Atkinson. 1,520,167; Dec. 23.
Windshield. J. Boca. 1,520,051; Dec. 23.
Wire stretcher and splicer, Combined. C. H. Anderson. 1,520,628; Dec. 23.
Wood pulp, Machine for grinding and sifting. A. Riffar. 1,520,398; Dec. 23.
Wool washing machine. F. W. Swain. 1,520,158; Dec. 23.
Work holder, Automatic. J. C. Stutz. 1,520,611; Dec. 23.
Woven fabric. G. M. Fauser. Des. 66,282; Dec. 23.
Wrecker attachment. C. A. Matthews. 1,520,194; Dec. 23.
Wrench. G. O. Carlson. 1,520,170-2; Dec. 23.
Wrench. H. O. Johnson. 1,520,653; Dec. 23.
Writing board or slate and making same. G. Welter. 1,520,380; Dec. 23.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 23, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

2— 51: 1,520,465	34— 12: 1,520,187	74— 50: 1,520,209	105— 37: 1,520,423	137— 34.3: 1,520,182	179— 87: 1,520,097
68: 1,520,049	17: 1,520,448	58: 1,520,545	109: 1,520,099	169: 1,520,583	96: 1,520,661
144: 1,520,427	39: 1,520,512	79: 1,520,679	195: 1,520,176	68: 1,520,103	156: 1,520,466
176: 1,520,240	35: R. 15, 972	80: 1,520,677	232: 1,520,331	78: 1,520,668	180— 9.1: 1,520,397
204: 1,520,007	71: 1,520,065	81: 1,520,335	308: 1,520,293	111: 1,520,511	1,520,432
248: 1,520,100	67: 1,520,449	109: 1,520,173	395: 1,520,067	139: 1,520,117	181— 27: 1,520,581
72: 1,520,476	115: 1,520,119	1: 1,520,033	106— 11: 1,520,487	139: 1,520,474	183— 11: 1,520,115
183: 1,520,018	1,520,120	1: 1,520,240	107— 7: 1,520,128	160: 1,520,000	114.6: 1,520,627
195: 1,520,019	39— 19: 1,520,547	1,520,254	10: 1,520,602	161: 1,520,126	184— 53: 1,520,023
214: 1,520,554	60: 1,520,318	1,520,623	66: 1,520,457	10: 1,520,158	103: 1,520,390
235: 1,520,301	40— 2: 1,520,224	58: 1,520,382	110— 7: 1,520,236	270: 1,520,157	185— 40: 1,520,418
239: 1,520,304	10: 1,520,323	60: 1,520,095	1,520,539	291: 1,520,274	45: 1,520,548
66: 1,520,649	16: 1,520,321	83: 1,520,221	112— 3: 1,520,317	1,520,434	77: 1,520,655
162: 1,520,256	53: 1,520,417	1,520,271	35: 1,520,276	332: 1,520,057	187: 1,520,008
1: 1,520,670	107: 1,520,648	80— 41: 1,520,426	59: 1,520,275	386: 1,520,435	249: 1,520,154
9— 18: 1,520,391	125: 1,520,188	81— 15: 1,520,459	262: 1,520,303	141— 1: 1,520,111	1,520,497
22: 1,520,087	1,520,455	92: 1,520,171	113— 52: 1,520,226	1,520,112	190— 13: 1,520,044
135: 1,520,596	143: 1,520,653	143: 1,520,594	5: 1,520,158	5: 1,520,184	191— 12: 1,520,327
120: 1,520,500	164: 1,520,170	105: 1,520,597	1,520,184	9: 1,520,110	192— 29: 1,520,284
1,520,646	41— 10: 1,520,346	109: 1,520,616	9: 1,520,667	50: 1,520,320	50: 1,520,320
135: 1,520,505	1,520,647	52— 5: 1,520,494	1,520,645	60: 1,520,056	60: 1,520,056
177: 1,520,591	17: 1,520,130	83— 6: 1,520,068	1,520,062	135: 1,520,422	68: 1,520,314
229: 1,520,148	1: 1,520,343	9: 1,520,319	211: 1,520,309	144— 84: 1,520,611	150: 1,520,000
245: 1,520,045	3: 1,520,298	11: 1,520,557	235: 1,520,144	99: 1,520,291	45: 1,520,656
264: 1,519,999	16: 1,520,671	53: 1,520,202	27: 1,520,291	50: 1,520,672	64: 1,520,542
19: 1,520,116	17: 1,520,536	58: 1,520,451	58: 1,520,064	115: 1,520,216	196— 88: 1,520,121
86: 1,520,190	46: 1,520,636	92: 1,520,020	147: 1,520,225	148— 19: 1,520,063	106: 1,520,161
135: 1,520,179	69: 1,520,557	42: 1,520,612	119— 12: 1,520,504	49: 1,520,532	12: 1,520,089
2: 1,520,190	9: 1,520,337	328: 1,520,492	32: 1,520,610	52: 1,520,481	13: 1,520,478
18— 2: 1,520,001	31: 1,520,517	402: 1,520,601	32: 1,520,610	151— 39: 1,520,567	27: 1,520,387
1,520,663	1,520,518	85— 1.5: 1,520,540	52: 1,520,607	152— 1: 1,520,439	36: 1,520,127
5.3: 1,520,214	32: 1,520,160	3: 1,520,123	72: 1,520,441	11.5: 1,520,603	127: 1,520,340
15: 1,520,660	37: 1,520,553	53: 1,520,534	77: 1,520,133	24: 1,520,550	135: 1,520,370
55: 1,520,191	48: 1,520,519	21: 1,520,541	28: 1,520,363	38: 1,520,091	198— 11: 1,520,332
56: 1,520,510	52: 1,520,520	1: 1,520,245	46: 1,520,164	25: 1,520,419	129: 1,520,458
58: 1,520,054	52: 1,520,085	16.8: 1,520,384	93: 1,520,338	40: 1,520,635	164: 1,520,165
21: 1,520,358	46— 40: 1,520,555	1,520,559	13: 1,520,141	51: 1,520,373	199— 1: 1,520,573
1,520,359	94: 1,520,146	1,520,566	70: 1,520,342	51: 1,520,342	40: 1,520,270
59: 1,520,412	49: 1,520,408	1,520,562	186: 1,520,413	40: 1,520,196	77: 1,520,572
68: 1,520,034	55: 1,520,213	24: 1,520,006	23: 1,520,531	40: 1,520,284	55: 1,520,633
157: 1,520,349	1,520,229	29: 1,520,311	169: 1,520,084	135— 123: 1,520,641	7: 1,520,107
20— 1.13: 1,520,638	119: 1,520,631	54: 1,520,617	371: 1,520,099	134: 1,520,142	43: 1,520,678
16: 1,520,177	124: 1,520,094	15: 1,520,219	30: 1,520,153	151: 1,520,086	52: 1,520,086
42: 1,520,167	131: 1,520,602	91— 14: 1,519,998	69: 1,520,005	162: 1,520,222	58: 1,520,665
67: 1,520,584	187: 1,520,642	43: 1,520,019	71: 1,520,353	22: 1,520,265	59: 1,520,306
75: 1,520,313	205: 1,520,488	1,520,286	73: 1,520,620	24: 1,520,066	1,520,477
79: 1,520,042	21: 1,520,061	44: 1,520,244	75: 1,520,205	36: 1,520,032	60: 1,520,025
10: 1,520,238	49: 1,520,586	60: 1,520,217	90: 1,520,208	157— 6: 1,520,599	68: 1,520,499
36: 1,520,220	55— 51: 1,520,577	68: 1,520,380	1,520,272	158— 50.1: 1,520,585	81: 1,520,169
71: 1,520,282	146: 1,520,278	20: 1,520,398	1,520,273	75: 1,520,614	84: 1,520,334
1,520,626	21: 1,520,558	24: 1,520,588	146.5: 1,520,076	77: 1,520,211	90: 1,520,074
80: 1,520,083	186: 1,520,456	36: 1,520,371	149: 1,520,207	117.5: 1,520,624	121: 1,520,201
1— 1,520,437	228: 1,520,404	44: 1,520,659	169: 1,520,674	159— 28: 1,520,069	128: 1,520,561
13: 1,520,080	329: 1,520,129	48: 1,520,099	171: 1,520,021	1,520,368	130: 1,520,073
28: 1,520,305	2: 1,520,204	49: 1,520,489	1,520,521	40: 1,520,582	140: 1,520,145
175: 1,520,093	8: 1,520,415	93— 56: 1,520,683	180: 1,520,552	1: 1,520,040	157: 1,520,406
202: R. 15, 973	41: 1,520,453	94— 6: 1,520,325	5: 1,520,215	7: 1,520,132	165: 1,520,526
259: 1,520,637	79: 1,520,186	44: 1,520,315	15.5: 1,520,140	65: 1,520,139	169: 1,520,193
109: 1,520,460	62— 97: 1,520,200	46: 1,520,059	1: 1,520,138	79: 1,520,149	171: 1,520,454
132: 1,520,570	59— 79: 1,520,186	64: 1,520,059	9: 1,520,565	112: 1,520,571	204— 11: 1,520,676
195: 1,520,114	47: 1,520,356	95— 64: 1,520,185	39: 1,520,463	1,520,632	29: 1,520,587
233: 1,520,203	91: 1,520,336	97— 113: 1,520,079	211: 1,520,596	1: 1,520,052	206— 12: 1,520,444
240: 1,520,396	15: 1,520,402	98— 9: 1,520,037	41: 1,520,498	5: 1,520,376	15: 1,520,369
241: 1,520,576	53: 1,520,024	99— 2: 1,520,424	93: 1,520,605	14: 1,520,183	44: 1,520,135
258: 1,520,043	27: 1,520,162	11: 1,520,122	152: 1,520,178	1,520,374	44: 1,520,152
131: 1,520,431	28: 1,520,479	307: 1,520,563	163: 1,520,243	15: 1,520,377	56: 1,520,430
156: 1,520,328	68— 9: 1,520,246	16: 1,520,302	176: 1,520,239	17: 1,520,012	208— 15: 1,520,156
2: 1,520,333	37: 1,520,283	3: 1,520,277	307: 1,520,563	6: 1,520,197	42: 1,520,523
26— 7: 1,520,031	70— 14: 1,520,509	27: 1,520,235	216: 1,520,508	7: 1,520,673	16: 1,520,399
29— 10: 1,520,013	90: 1,520,600	43: 1,520,365	8: 1,520,568	2: 1,520,288	69: 1,520,467
86.1: 1,520,159	108: 1,520,035	77: 1,520,354	20: 1,520,041	36: 1,520,237	165: 1,520,654
86.4: 1,520,393	113: 1,520,092	94: 1,520,503	21: 1,520,443	259: 1,520,675	197: 1,520,410

CLASSIFICATION OF PATENTS.

214—	90: 1,520,247	225—	21: 1,520,664	240—	61: 1,520,551	251—	132: 1,520,575	268—	4: 1,520,360	280—	125: 1,520,381
109: 1,520,652		28: 1,520,136		62: 1,520,425		252: 2: 1,520,493		270—	66: 1,520,312	281—	25: 1,520,260
119: 1,520,538		226—	125: 1,520,669	85: 1,520,297		254: 6: 1,520,630		271—	29: 1,520,022	282—	130: 1,520,028
5: 1,520,401		227—	7: 1,520,440	123: 1,520,516		133: 1,520,590		272—	37: 1,520,592	283—	30: 1,520,307
13: 1,520,118		228—	57: 1,520,414	128: 1,520,350		163: 1,520,628			85: 1,520,388	284—	61: 1,520,401
83: 1,520,088		229—	3: 1,520,528	132: 1,520,386		255—	35: 1,520,168	273—	1: 1,520,196	100: 1,520,134	
7: 1,520,469			7: 1,520,527	242—	26: 1,520,101		61: 1,520,147		40: 1,520,608	290—	35: 1,520,682
35: 1,520,513			54: 1,520,071	65: 1,520,546		256—	50: 1,520,326		65: 1,520,281	292—	42: 1,520,038
54: 1,520,622		230—	24: 1,520,255	70: 1,520,003			52: 1,520,163		81: 1,520,113		202: 1,520,180
56: 1,520,234			30: 1,520,248	71: 1,520,658		257—	125: 1,520,016		82: 1,520,106		229: 1,520,030
66: 1,520,026		232—	1: 1,520,544	124: 1,520,379			1: 1,520,212		1,520,108		229: 1,520,189
25: 1,520,174		235—	1: 1,520,364	244—	3: 1,520,618	259—	1: 1,520,339		1,520,109		318: 1,520,578
34: 1,520,241			1,520,447	15: 1,520,292			107: 1,520,375				
37: 1,520,321			54: 1,520,078	246—	98: 1,520,619	260—	166: 1,520,506		86: 1,520,345	294—	44: 1,520,613
40: 1,520,050			61: 1,520,514	38: 1,520,072		261—	1: 1,520,629		87: 1,520,081		52: 1,520,266
41: 1,520,501			70: 1,520,105	125: 1,520,392			32: 1,520,210		94: 1,520,010		57: 1,520,253
85: 1,520,362			82: 1,520,438	128: 1,520,428			41: 1,520,261		95: 1,520,011		99: 1,520,227
11: 1,520,006	216—	31: 1,520,530	293: 1,520,433	248—	37: 1,520,543	262—	30: 1,520,280		106: 1,520,039	296—	92: 1,520,051
23: 1,520,502		46: 1,520,496		41: 1,520,579		264—	1: 1,520,593		132: 1,520,690	297—	14: 1,520,549
28: 1,520,029	238—	5: 1,520,299		32: 1,520,470		265—	51: 1,520,372		157: 1,520,651	298—	63: 1,520,446
64: 1,520,050		14: 1,520,287	249—	19: 1,520,580		266—	21: 1,520,535		174: 1,520,316		106: 1,520,048
143: 1,520,017	240—	41: 1,520,405	27: 1,520,640	250—	27: 1,520,640	267—	17: 1,520,347	274—	28: 1,520,378	301—	23: 1,520,060
19: 1,520,411		41: 1,520,480	41: 1,520,027	41: 1,520,027			29: 1,520,348		46: 1,520,257		63: 1,520,164
20: 1,520,644		48: 4: 1,520,475	1,520,461	1,520,461			36: 1,520,483	277—	4: 1,520,233	303—	69: 1,520,165
31: 1,520,015		1,520,574	1,520,329	1,520,329			43: 1,520,482	280—	87: 5: 1,520,630		88: 1,520,124
29: 1,520,259	48: 6: 1,520,192				251—	6: 1,520,385	47: 1,520,484	282—	98: 1,520,598	305—	9: 1,520,416
225—	52: 1,520,522				95: 1,520,367		2: 1,520,232	288—	108: 1,520,046		

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Fluxes for soldering metals. 193,475; Dec. 30; Serial No. 201,316; published Oct. 7, 1924.
- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Fluxes for soldering metals. 193,545; Dec. 30; Serial No. 201,317; published Oct. 7, 1924.
- Adelson, Abe N., New York, N. Y. Hats for women. 193,427; Dec. 30; Serial No. 200,741; published Oct. 21, 1924.
- Adisplay. (See Bernstein, Alexander.)
- Actua Hosiery Company, assignor, by mesne assignments, to Holden Knitting Co., Worcester, Mass. Knitted washing and polishing mitts. 193,596; Dec. 30.
- Allklean Manufacturing Company, New York, N. Y. Polish for automobiles, furniture, etc. 193,574; Dec. 30.
- American Chic Company, Long Island City, N. Y. Chewing gum. 193,438; Dec. 30; Serial No. 202,315; published Oct. 21, 1924.
- American Cyanamid Company, New York, N. Y. Insecticide and rodent exterminator. 193,386; Dec. 30; Serial No. 199,768; published Oct. 14, 1924.
- American Hatters and Furriers Company, Incorporated, Danbury, Conn. Carroted fur. 193,454; Dec. 30; Serial No. 201,914; published Oct. 14, 1924.
- Archer Rubber Company, Milford, Mass. Waterproof clothing. 193,431; Dec. 30; Serial No. 201,526; published Oct. 14, 1924.
- Arlt, Anna H., Brooklyn, N. Y. Rouge. 193,542; Dec. 30; Serial No. 201,387; published Oct. 7, 1924.
- Auto Parts Company. (See Frank, H. G. John.)
- Bahnsen, C. & Co., Inc., New York, N. Y. Wool-velour coating piece goods. 193,508; Dec. 30; Serial No. 196,559; published Oct. 21, 1924.
- Baler, William F., doing business as William F. Baler Manufacturing Company, St. Paul, Minn. Salve. 193,384; Dec. 30; Serial No. 200,238; published Sept. 30, 1924.
- Bailly, Amour, Paris, France. Remedy for neglected colds, catarrh, etc. 193,491; Dec. 30; Serial No. 200,704; published Sept. 30, 1924.
- Baker & Coe, White Salmon, Wash. Fertilizer. 193,556; Dec. 30; Serial No. 197,649; published Oct. 14, 1924.
- Bamberger, L. & Co., Newark, N. J. Women's hats. 193,429; Dec. 30; Serial No. 201,218; published Oct. 7, 1924.
- Banks Hg., Incorporated, New York, N. Y. Hats for ladies and children. 193,404; Dec. 30; Serial No. 198,979; published Oct. 21, 1924.
- Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 193,411; Dec. 30; Serial No. 200,240; published Oct. 14, 1924.
- Bay Chemical Company. (See Crawford, Owen.)
- Beau Ideal Company, The. (See Morrow, Ida H.)
- Berk, Wm. & Chas., Inc., Lawrence, Mass. Linen fire hose. 193,402; Dec. 30; Serial No. 175,122; published Oct. 14, 1924.
- Bernstein, Alexander, doing business as Adisplay, New York, N. Y. Display apparatus. 193,502; Dec. 30; Serial No. 196,213; published Oct. 7, 1924.
- Betz, Frank S., Company, Hammond, Ind. Steel furniture for hospitals, etc. 193,558; Dec. 30; Serial No. 196,503; published Oct. 14, 1924.
- Biflex Products Company, North Chicago, Ill. Automobile bumpers and parts thereof. 193,385; Dec. 30; Serial No. 200,131; published Oct. 14, 1924.
- Birnbaum, Jacob S. C., doing business as Birnbaum, New York, N. Y. Treatment for the scalp and dandruff. 193,472; Dec. 30; Serial No. 201,276; published Oct. 7, 1924.
- Blackfoot Tire and Rubber Company, Chicago, Ill. Vehicle tire casings and tubes. 193,424; Dec. 30; Serial No. 200,978; published Oct. 7, 1924.
- Blanke-Wenneker Candy Company. (See Wenneker-Morris Candy Co., assignor.)
- Bob Cap Co., St. Louis, Mo. Caps. 193,512; Dec. 30; Serial No. 192,609; published June 3, 1924.
- Bologna, A. & Company, New Orleans, La. Macaroni. 193,425; Dec. 30; Serial No. 200,806; published Oct. 14, 1924.
- Boston Belting Company, Boston, Mass. Mechanical rubber goods. 26,052; renewed Feb. 12, 1925.
- Calein Drug Company. (See Hinckley, Frank H.)
- Carver-Ruff Co., New York, N. Y. Toilet preparations. 193,485; Dec. 30; Serial No. 200,929; published Oct. 14, 1924.
- Cement Finish Co., Inc., New York, N. Y. Cement floors, nailing base for concrete, metallic finished floors, etc. 193,406; Dec. 30; Serial No. 168,916; published Oct. 7, 1924.
- Central Nelson Association, Livingston, Va. Fresh apples. 193,567; Dec. 30.
- Chemische Fabrik Grünau Landshoff & Meyer Aktien-Gesellschaft, Berlin, Germany. Aniline and its salts, naphthol and its derivatives, etc. 193,554; Dec. 30; Serial No. 196,906; published Oct. 14, 1924.
- Clark, Bessie I., doing business as The Humming Bird Co., Detroit, Mich. Hair grower. 193,517; Dec. 30; Serial No. 201,179; published Oct. 7, 1924.
- Clemmons, C. C., Produce Co., Kansas City, Mo. Potatoes and fresh vegetables. 193,559; Dec. 30; Serial No. 196,234; published Oct. 21, 1924.
- Cohn, Leon, Paris, France. Perfumes. 193,471; Dec. 30; Serial No. 201,220; published Oct. 14, 1924.
- Comstock, Stephen E., doing business as S. E. Comstock & Co., Newark, N. Y. Canned fresh fruits and vegetables. 193,463; Dec. 30; Serial No. 198,116; published Oct. 21, 1924.
- Cones, C. B. & Son Mfg. Co., The, Indianapolis, Ind. Work shirts. 193,503; Dec. 30; Serial No. 185,567; published Sept. 23, 1924.
- Consolidated Glove & Hosiery Corporation, San Francisco, Calif. Men's hose. 193,373; Dec. 30; Serial No. 200,984; published Oct. 14, 1924.
- Continental Ceramics Corporation, New York, N. Y. Porcelain and china ware of all kinds. 193,539; Dec. 30; Serial No. 202,099; published Oct. 21, 1924.
- Converse Rubber Shoe Co., Malden, Mass. Rubber shoes. 193,369-70; Dec. 30; Serial Nos. 201,077-8; published Oct. 21, 1924.
- Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor arc lamps. 193,432; Dec. 30; Serial No. 201,392; published Oct. 7, 1924.
- Corning Glass Works, Corning, N. Y. Vases, bowls, jugs, etc. 193,476; Dec. 30; Serial No. 201,023; published Oct. 21, 1924.
- Crawford, Owen, doing business as Bay Chemical Company, Bay St. Louis, Miss. Salves for diseases and infections of the skin. 193,470; Dec. 30; Serial No. 201,125; published Oct. 14, 1924.
- Dazey Churn & Manufacturing Company, St. Louis, Mo. Tool-grinding machines. 193,418; Dec. 30; Serial No. 199,349; published Oct. 14, 1924.
- Debenedenti, J. L., San Francisco, Calif. Fresh artichokes. 193,439; Dec. 30; Serial No. 201,287; published Oct. 21, 1924.
- Develon, Thomas, Jr., Philadelphia, Pa. Wilton rugs. 193,553; Dec. 30; Serial No. 197,917; published Oct. 21, 1924.
- Doddridge, Claude W., doing business as Killingsworth Avenue Drug Company, Portland, Ore. Laxative tablets. 193,516; Dec. 30; Serial No. 201,080; published Sept. 30, 1924.
- Dodge, Geraldine R., doing business as Giralda Farms, Madison, N. J. Dogs. 193,410; Dec. 30; Serial No. 200,312; published Oct. 7, 1924.
- Douglas-Mack Chas., Co., Inc., doing business as The Silverstrobe Co., Inc., New York, N. Y. Men's, young men's, and boys' clothes, overcoats, and suits. 193,447; Dec. 30; Serial No. 201,334; published Oct. 14, 1924.
- Douglas-Mack, Chas., Co., Inc., doing business as The Silverstrobe Co., Inc., New York, N. Y. Overcoats and suits. 193,448; Dec. 30; Serial No. 201,335; published Oct. 14, 1924.
- Edelson, Samuel, doing business as Horse Shoe Lock Co., New York, N. Y. Door locks. 193,587; Dec. 30.
- Ellicott Machine Corporation, The, Baltimore, Md. Base-metal alloys. 193,595; Dec. 30.
- Ellicottville Scale Removing Corporation, Ellicottville, N. Y. Boiler-cleaning and scale-removing compounds. 193,382; Dec. 30; Serial No. 200,437; published Sept. 30, 1924.
- Enders, Edward J., New York, N. Y. Hair cream. 193,544; Dec. 30; Serial No. 201,339; published Oct. 7, 1924.
- Enid Frocks, Inc., New York, N. Y. Dresses, coats, brassières, etc. 193,394; Dec. 30; Serial No. 199,050; published Oct. 21, 1924.
- Etablissements Chané & Dumall, Paris, France. Hemp, flax, cotton, and jute fabrics. 193,530-1; Dec. 30; Serial Nos. 195,438-9; published Oct. 21, 1924.
- Federal Products Co., The, Cincinnati, Ohio. Completely-denatured alcohol. 193,518; Dec. 30; Serial No. 201,190; published Oct. 7, 1924.
- Fischer Meat Co., St. Louis, Mo. Ham, bacon, chipped beef, etc. 193,405; Dec. 30; Serial No. 167,240; published July 23, 1924.
- Fisher Bros. Paper Company, Fort Wayne, Ind. Building and roofing paper, shingles, etc. 193,377; Dec. 30; Serial No. 200,874; published Oct. 14, 1924.
- Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Piston rings, rubber hose, tires, and patches, inner tubes, and packing. 193,513; Dec. 30; Serial No. 193,224; published Oct. 14, 1924.
- Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Lugs, lug bolts, and pipe valves. 193,562; Dec. 30; Serial No. 193,226; published Oct. 14, 1924.
- Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 193,573; Dec. 30.
- Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 193,575-85; Dec. 30.
- Gas-O-Pep Laboratories. (See Mills, Frederick R.)

Gastineau, Betty S., Indianapolis, Ind. Narcotic-addict medicine. 193,528; Dec. 30; Serial No. 196,586; published Oct. 7, 1924.

Gelfand Manufacturing Co., The, Baltimore, Md. Sandwich spread. 193,426; Dec. 30; Serial No. 200,759; published Oct. 14, 1924.

Germann, Mary, Springfield, Mass. Meat cakes. 193,594; Dec. 30.

Giralda Farms. (See Dodge, Geraldine R.)

Grover, Norard, Los Angeles, Calif. Woolen billiard-table cloth. 193,395; Dec. 30; Serial No. 199,001; published Oct. 21, 1924.

Guerlain Perfumery Corporation, Wilmington, Del. Perfumes, eau de cologne, bath salts, etc. 193,391; Dec. 30; Serial No. 199,163; published Sept. 30, 1924.

Hagerstown Shoe & Luggage Co. Inc., Hagerstown, Md. Leather soles for shoes for infants and children. 193,403; Dec. 30; Serial No. 176,544; published Oct. 21, 1924.

Halligan, John E., Boston, Mass. Leather in the piece. 193,460; Dec. 30; Serial No. 202,169; published Oct. 14, 1924.

Heide, Henry, Inc., New York, N. Y. Candy. 193,565; Dec. 30; Serial No. 191,484; published Sept. 30, 1924.

Heinemann, Frank, doing business as Loxalek Co., Chicago, Ill. Liquid for closing leaks in radiators and water jackets. 193,468; Dec. 30; Serial No. 201,030; published Oct. 14, 1924.

Heller, B., & Company, Chicago, Ill. Food colors in paste, dry, and liquid forms. 193,520; Dec. 30; Serial No. 201,237; published Oct. 7, 1924.

Hinckley, Frank H., doing business as Calcin Drug Company, New York, N. Y. Tonic. 193,496; Dec. 30; Serial No. 200,545; published Sept. 30, 1924.

Hip Hold Corset Corporation, New York, N. Y. Corsets, girdles, and health belts. 193,423; Dec. 30; Serial No. 200,989; published Oct. 21, 1924.

Hocher and Blue, Ottawa, Ohio. Cough syrup. 193,536; Dec. 30; Serial No. 181,892; published Oct. 14, 1924.

Holden Knitting Co. (See Actna Hosiery Company, assignor.)

Horse Shoe Lock Co. (See Edelson, Samuel.)

Humming Bird Co., The. (See Clark, Bessie I.)

Independent Coal Corporation, New York, N. Y. Coal. 193,572; Dec. 30.

Jackson-Wheeler Metals Service, Brooklyn, N. Y. Bearing alloys and white-metal alloys. 193,420; Dec. 30; Serial No. 200,719; published Oct. 14, 1924.

Jennings, Allen F., Chicago, Ill. Apparatus to clear air of smoke and odors and to vaporize perfume. 193,401; Dec. 30; Serial No. 180,703; published Oct. 7, 1924.

Johnson, Scott W., doing business as Pure Drug Products Co., Cincinnati, Ohio. Preparation for bronchitis, pneumonia, etc. 193,550; Dec. 30; Serial No. 197,760; published Sept. 30, 1924.

Jones, Arthur J., Chicago, Ill. Fluid for prevention and removal of corrosion of metals. 193,541; Dec. 30; Serial No. 201,494; published Oct. 7, 1924.

Judith, Joseph H., doing business as The J. H. Judith Co., Evansville, Ind. Extract of malt and hops. 193,435; Dec. 30; Serial No. 201,704; published Oct. 14, 1924.

Kaltenbach & Stephens Inc., New York, N. Y. Ribbons. 193,433; Dec. 30; Serial No. 201,348; published Oct. 28, 1924.

Kasser, Samuel, Philadelphia, Pa. Malt extract and sirup. 193,413; Dec. 30; Serial No. 199,704; published Oct. 14, 1924.

Kaufmann Bros. & Handy, New York, N. Y. Smokers' pipes, cigar and cigarette holders. 193,507; Dec. 30; Serial No. 189,314; published Mar. 25, 1924.

Kelley Textile Corporation, New York, N. Y. Cotton piece goods. 193,534; Dec. 30; Serial No. 185,756; published Oct. 21, 1924.

Killingworth Avenue Drug Company. (See Doddridge, Claude W.)

Kleinschmidt Magnesia Co., New York, N. Y. Citrate-magnesia solutions. 193,383; Dec. 30; Serial No. 200,266; published Sept. 30, 1924.

Köln-Rottwell Aktiengesellschaft, Berlin, Germany. Yarn, thread, and floss. 193,537; Dec. 30; Serial No. 198,423; published Oct. 21, 1924.

Kummer, Upmann & Co., New York, N. Y. Cotton piece goods. 193,378; Dec. 30; Serial No. 200,820; published Oct. 21, 1924.

Lake Mills Canning Company, Lake Mills, Iowa. Canned corn. 193,491; Dec. 30; Serial No. 198,143; published Aug. 19, 1924.

Lampert Mfg. Supply Co., Inc., The, New York, N. Y. Linen, canvas, cotton, and sail cloth in the piece. 193,509; Dec. 30; Serial No. 188,422; published Oct. 21, 1924.

Lang Knitting Mills, Inc., New York, N. Y. Knitted silk fabrics of silk and artificial silk. 193,372; Dec. 30; Serial No. 200,997; published Oct. 21, 1924.

Laupheir, James C., doing business as Northwest Rug Company, Portland, Ore. Textile rugs. 193,374; Dec. 30; Serial No. 200,919; published Oct. 21, 1924.

Lasdon, Samuel D., & Co., New York, N. Y. Ladies' and misses' hats. 193,380; Dec. 30; Serial No. 200,721; published Oct. 7, 1924.

Laundry Products Corp., New York, N. Y. Laundry blue. 193,486; Dec. 30; Serial No. 200,950; published Oct. 14, 1924.

Laurenzana, Frank P., Chicago, Ill. Preparation for the treatment of leucorrhea. 193,494; Dec. 30; Serial No. 200,628; published Sept. 30, 1924.

Lavino, E. J., and Company, Philadelphia, Pa. Chrome ore. 193,453; Dec. 30; Serial No. 201,762; published Oct. 14, 1924.

Leshner, Whitman & Co., Inc., New York, N. Y. Draperies, valances, curtains, window shades, and bedspreads. 193,451; Dec. 30; Serial No. 201,458; published Oct. 21, 1924.

Liberty Glass Company, Sapulpa, Okla. Glass milk bottles and cottage-cheese containers. 193,540; Dec. 30; Serial No. 201,667; published Oct. 21, 1924.

Lobstein, Abraham M., New York, N. Y. Preparation for the treatment of wounds, gangrene, and allied conditions. 193,543; Dec. 30; Serial No. 201,357; published Oct. 14, 1924.

Lier, Leopold R., doing business as Royal Brand Paste Factory, New Orleans, La. Noodles. 193,557; Dec. 30; Serial No. 196,599; published Oct. 14, 1924.

Linen Thread Company, The, Paterson, N. J., and New York, N. Y. Threads. 193,402-2; Dec. 30; Serial Nos. 200,564-6; published Oct. 21, 1924.

Lo Gatto, Fedele, Brooklyn, N. Y. Artificial meats. 193,412; Dec. 30; Serial No. 200,147; published Oct. 7, 1924.

London Feather Novelty Company, New York, N. Y. Ladies' hats. 193,511; Dec. 30; Serial No. 192,184; published Oct. 21, 1924.

Lone Star Lime Works, Oglesby, Tex. Lime. 193,586; Dec. 30.

Lord & Taylor, New York, N. Y. Dresses, coats, suits, blouses, skirts, and capes. 193,441; Dec. 30; Serial No. 201,148; published Oct. 14, 1924.

Loxalek Co. (See Heinemann, Frank.)

Lucas, Louis, Co., Inc., Jamestown, N. Y. Incense. 193,492; Dec. 30; Serial No. 200,685; published Sept. 30, 1924.

Macoustic Engineering Company, Inc., Cleveland, Ohio. Plaster. 193,428; Dec. 30; Serial No. 200,504; published Oct. 7, 1924.

Macy, R. H., & Co., Inc., New York, N. Y. Men's athletic underwear. 193,379; Dec. 30; Serial No. 200,723; published Oct. 14, 1924.

Maghee Chemical Corporation, Lander, Wyo. Medicinal preparation for epilepsy. 193,515; Dec. 30; Serial No. 201,038; published Sept. 30, 1924.

Maldwell Brassiere Company, New York, N. Y. Brassieres and bandeaux. 193,510; Dec. 30; Serial No. 199,449; published Oct. 14, 1924.

Maubel Insecticide Company. (See Sultzbach, Maurice.)

May Department Stores Company, The, St. Louis, Mo. Ladies' dresses. 193,442; Dec. 30; Serial No. 201,200; published Oct. 14, 1924.

McDonald, J. G., Chocolate Company, Salt Lake City, Utah. Candy. 193,440; Dec. 30; Serial No. 202,213; published Oct. 21, 1924.

McFadden, James H., Mount Vernon, S. Dak. Pocket-knives and attachments therefor. 193,392; Dec. 30; Serial No. 199,121; published Oct. 14, 1924.

Merck, E., Darmstadt, Germany. Cocaine. 193,527; Dec. 30; Serial No. 201,090; published Oct. 14, 1924.

Metropolitan Device Corporation, Brooklyn, N. Y. Rubber tubing. 193,414; Dec. 30; Serial No. 199,642; published Oct. 7, 1924.

Miami Trailer Scraper Co., The, Troy, Ohio. Earth digging and moving apparatus. 193,590; Dec. 30.

Mid West Sales and Manufacturing Co., Inc., Salt Lake City, Utah. Waterproof cotton fabrics in the piece. 193,422; Dec. 30; Serial No. 200,367; published Oct. 7, 1924.

Middle West Coal Company, Cincinnati, Ohio. Coal. 193,455-7; Dec. 30; Serial Nos. 202,070-2; published Oct. 14, 1924.

Middle West Hat Mfg. Co., The, Cleveland, Ohio. Men's hats. 193,400; Dec. 30; Serial No. 180,138; published Oct. 21, 1924.

Miller, Albert, & Co., Chicago, Ill. Potatoes. 193,566; Dec. 30; Serial No. 190,025; published Sept. 9, 1924.

Mills, Frederick R., doing business as Gas-O-Pop Laboratories, Detroit, Mich. Chemical composition to be added to liquid fuel to increase efficiency and to reduce carbon. 193,489; Dec. 30; Serial No. 200,956; published Sept. 30, 1924.

Mitchell Bros. Inc., New York, N. Y. Cotton fabrics. 193,465; Dec. 30; Serial No. 199,076; published Oct. 21, 1924.

Mitchell Clay Mfg. Co., St. Louis, Mo. Fire brick, furnace linings, etc., used in the construction of glass and zinc and similar furnaces. 193,458; Dec. 30; Serial No. 202,133; published Oct. 14, 1924.

Montgomerie and Company Limited, Glasgow, Scotland. Oatmeal and cereal preparation, full-cream, dried milk, etc. 193,564; Dec. 30; Serial No. 192,851; published Aug. 12, 1924.

Moore, W. W., Company, Sharon, Pa. Ladies' and children's coats, suits, skirts, etc. 193,419; Dec. 30; Serial No. 199,238; published Oct. 21, 1924.

Morgenstern & Company, New York, N. Y. Emulsions of therapeutic bacilli. 193,393; Dec. 30; Serial No. 199,077; published Oct. 14, 1924.

Morrow, Ida H., doing business as The Beau Ideal Company, Clarksville, Tenn. Shampoo. 193,495; Dec. 30; Serial No. 200,574; published Sept. 30, 1924.

National Aniline & Chemical Company, Incorporated, New York, N. Y. Certified food colors. 193,390; Dec. 30; Serial No. 199,179; published Oct. 7, 1924.

National Drug Distributing Syndicate. (See Von Dancz, Jenes O.)

National Glove Company, Columbus, Ohio. Work gloves. 193,417; Dec. 30; Serial No. 199,433; published Oct. 21, 1924.

Northern Jobbing Company, Chicago, Ill. Water softener and cleanser. 193,488; Dec. 30; Serial No. 200,959; published Sept. 30, 1924.

Northwest Rug Company. (See Laupheir, James C.)

O-T Manufacturing Company. (See Tanner, Arnold J.)

Old Town Woolen Co., Inc., Oldtown, Me. Wool and mixed cotton and wool blankets. 193,548; Dec. 30; Serial No. 197,677; published Oct. 21, 1924.

Old Town Woolen Co., Inc., Oldtown, Me. Wool and mixed cotton and wool blankets. 193,552; Dec. 30; Serial No. 197,679; published Oct. 21, 1924.

Original Tire Company, Cincinnati, Ohio. Tires and inner tubes. 193,505; Dec. 30; Serial No. 189,134; published Feb. 19, 1924.

Osskeyhtlo Savo, Ltd., Kuopio, Finland. Matches. 193,477; Dec. 30; Serial No. 198,083; published Oct. 21, 1924.

Park Laboratory Co., Inc., San Antonio, Tex. Animal insecticide. 193,523; Dec. 30; Serial No. 201,408; published Oct. 7, 1924.

Parlier Fruit Growers Assn., Parlier, Calif. Fresh grapes, peaches, plums, etc. 193,546; Dec. 30; Serial No. 184,680; published Oct. 21, 1924.

Peerless Motor Car Company, Cleveland, Ohio. Motor cars. 193,408; Dec. 30; Serial No. 174,483; published Aug. 28, 1923.

Pendleton Woolen Mills, Pendleton, Ore. Outer coats, trousers, and vests, underwear, etc. 193,592; Dec. 30.

Pennsylvania Rubber Company, Jeannette, Pa. Rubber tires for vehicles. 193,506; Dec. 30; Serial No. 189,137; published Oct. 14, 1924.

Pen-O-Pencil Company, New York, N. Y. Fountain pens and pencils and combination fountain pens and pencils. 193,396; Dec. 30; Serial No. 175,678; published Sept. 2, 1924.

People's Shoe Stores Co., The, St. Louis, Mo. Hosiery. 193,371; Dec. 30; Serial No. 201,011; published Oct. 14, 1924.

Phillips-Jones Corporation, New York, N. Y. Shirts, pyjamas, and boys' blouses. 193,445-6; Dec. 30; Serial Nos. 201,304-5; published Oct. 14, 1924.

Pike River Granite Co., Marinette, Wis., and Chicago, Ill. Monumental and building granite. 193,569-70; Dec. 30.

Poulson, Charles W., New York, N. Y. Wool carpets. 193,440; Dec. 30; Serial No. 201,376; published Oct. 21, 1924.

Powell, John, & Co., Inc., New York, N. Y. Insect powder. 193,501; Dec. 30; Serial No. 185,764; published Feb. 5, 1924.

Prumtore Laboratories, The. (See Warthen, Clarence E.)

Pure Drug Products Co. (See Johnson, Scott W.)

Putnam, Dr. (See Williams, Alonzo G.)

Quaker Oil Products Corporation, Conshohocken, Pa. Oleaginous preparation. 193,487; Dec. 30; Serial No. 201,012; published Sept. 30, 1924.

Rapid Bottle Washer Company, The, Delphos, Ohio. Bottle washing machines. 193,560; Dec. 30; Serial No. 194,946; published Oct. 14, 1924.

Rawleigh, W. T., Company, The, Freeport, Ill. Perfume and toilet waters. 193,478; Dec. 30; Serial No. 198,965; published Oct. 14, 1924.

Reba Chemical Company. (See Zumpft, Robert K.)

Reliable Grocery Company, Inc., Philadelphia, Pa. Canned vegetables, olives, mustard, peanut butter, sauerkraut. 193,416; Dec. 30; Serial No. 199,437; published Oct. 14, 1924.

Reuben's Pure Food Shop, Inc., New York, N. Y. Nuts, salads, and sandwiches. 193,399; Dec. 30; Serial No. 178,870; published Oct. 14, 1924.

Roper, Geo. D., Corporation, Rockford, Ill. Gas stoves and ranges. 193,430; Dec. 30; Serial No. 201,046; published Oct. 7, 1924.

Roseman, Benjamin F., Corvallis, Ore. Preparation used for allaying pain. 193,522; Dec. 30; Serial No. 201,378; published Oct. 7, 1924.

Rosen-Sussman Hat Corporation, New York, N. Y. Ladies' and children's hats. 193,514; Dec. 30; Serial No. 193,309; published June 17, 1924.

Rotary Machine & Engineering Co., The, Cleveland, Ohio. Pumps for air or liquids. 193,409; Dec. 30; Serial No. 174,863; published Oct. 14, 1924.

Royal Brand Paste Factory. (See Lier, Leopold R.)

Saffine County Coal Corporation, Chicago, Ill. Coal. 193,568; Dec. 30.

Saunders, Arthur, Sausalito, Calif. Banana surrounded by ice cream and retained in an edible casing. 193,407; Dec. 30; Serial No. 170,791; published Oct. 21, 1924.

Schering & Glatz, Inc., New York, N. Y. Analgesics, anesthetics, anodynes, etc. 193,381; Dec. 30; Serial No. 200,522; published Oct. 7, 1924.

Schering & Glatz, Inc., New York, N. Y. Analgesics, anesthetics, anodynes, etc. 193,500; Dec. 30; Serial No. 200,523; published Sept. 30, 1924.

Schlesinger, Louis, Knitting Co., Inc., New York, N. Y. Booties, hoods, toques, etc. 193,466; Dec. 30; Serial No. 199,131; published Oct. 21, 1924.

Schmitt, Frank, & Company, Portland, Ore. Cabinet work and millwork, interior and exterior millwork. 193,547; Dec. 30; Serial No. 184,267; published Oct. 7, 1924.

Seamless Brassiere Co., Inc., New York, N. Y. Brassieres. 193,415; Dec. 30; Serial No. 199,497; published Oct. 21, 1924.

Selbert, Finley P., doing business as F. Page Selbert, Philadelphia, Pa. Medicinal treatment for constipation. 193,469; Dec. 30; Serial No. 201,104; published Oct. 14, 1924.

Sheftelman, David, doing business as Sunrise Chemical Co., Stroudsburg, Pa. Headache, neuralgia, and pain relief. 193,499; Dec. 30; Serial No. 200,523; published Sept. 30, 1924.

Shellenberger, J. Frank, Co., Philadelphia, Pa. Cough drops. 193,521; Dec. 30; Serial No. 201,266; published Oct. 7, 1924.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, germicides. 193,497-8; Dec. 30; Serial Nos. 200,527-8; published Sept. 30, 1924.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, varnishes, etc. 193,571; Dec. 30.

Shewry, William M., Chicago, Ill. Glass dishes. 193,529; Dec. 30; Serial No. 196,262; published Oct. 21, 1924.

Showers Brothers Company, Bloomington and Indianapolis, Ind., and Burlington, Iowa. Monthly publication. 193,421; Dec. 30; Serial No. 200,375; published Sept. 16, 1924.

Silverstrey Co., The. (See Douglass-Mack, Chas. Co.)

Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and silk and cotton goods in the piece. 193,549; Dec. 30; Serial No. 197,839; published Oct. 21, 1924.

Sledge, Mrs. Oscar C., Smithville, Tex. Coat and trousers in one piece. 193,389; Dec. 30; Serial No. 199,328; published Oct. 14, 1924.

Sludge Flux Manufacturing Company. (See Way, Lewis A.)

Smith, B. Clarence, Pittsburgh, Pa. Medical preparation for the muscles and tissues. 193,551; Dec. 30; Serial No. 197,689; published Oct. 14, 1924.

Smith, Geo. H., Steel Casting Company, Milwaukee, Wis. Crawler attachments for tractors. 193,591; Dec. 30.

Smith-McCord-Townsend Dry Goods Co., Kansas City, Mo. Mercerized sateen in the piece. 193,444; Dec. 30; Serial No. 201,267; published Oct. 21, 1924.

"Sna-Viscosa" Società Nazionale Industria Applicazioni Viscosa, Turin, Italy. Artificial silk, spun, thrown, sewing, or knitting twist, yarn, and thread. 193,532; Dec. 30; Serial No. 195,083; published Oct. 21, 1924.

Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 193,524; Dec. 30; Serial No. 190,390; published Sept. 30, 1924.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petroleum oil for spraying livestock. 193,535; Dec. 30; Serial No. 185,267; published Oct. 7, 1924.

Star Garter Co., Chicago, Ill. Infants' blis and children's aprons. 193,563; Dec. 30; Serial No. 192,935; published Sept. 16, 1924.

Steel Silks Corporation, New York, N. Y. Silk piece goods. 193,452; Dec. 30; Serial No. 201,517; published Oct. 21, 1924.

Stein, S., & Co., New York, N. Y. Woolen cloths in the piece for suiting, etc. 193,538; Dec. 30; Serial No. 166,474; published Oct. 21, 1924.

Sterinual Co., The, Stillwater, Okla. Remedy for infection, etc., of the skin. 193,490; Dec. 30; Serial No. 200,908; published Sept. 30, 1924.

Stewart, M. L., & Co., Inc., New York, N. Y. Hosiery. 193,462; Dec. 30; Serial No. 198,266; published Aug. 5, 1924.

Strong, Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 193,376; Dec. 30; Serial No. 200,909; published Oct. 21, 1924.

Sultzbach, Maurice, doing business as Maubel Insecticide Company, West Haven, Conn. Insecticides and rodent exterminator. 193,483; Dec. 30; Serial No. 200,597; published Oct. 7, 1924.

Sunrise Chemical Co. (See Sheftelman, David.)

Sutro, E., & Son Company, Inc., Philadelphia, Pa. Hosiery. 193,450; Dec. 30; Serial No. 201,417; published Oct. 14, 1924.

Swanson, Herman D., New Haven, Conn. Carpenters' hammers, saws, planes, etc. 193,593; Dec. 30.

Swift and Company, Chicago, Ill. Sausage. 193,589; Dec. 30.

Swift Provision Co., Baltimore, Md. Hams, bacon, and lard. 25,597-8; renewed Dec. 4, 1924.

Tanner, Arnold J., doing business as O-T Manufacturing Company, New Haven, Conn. Can openers. 193,436; Dec. 30; Serial No. 201,519; published Oct. 14, 1924.

Texas Company, The, Houston, Tex., and New York, N. Y. Insecticides. 193,473-4; Dec. 30; Serial Nos. 201,313-4; published Oct. 7, 1924.

Thompson, Alfred C., doing business as The Thompson Chemical Co., Colton, S. Dak. General tonic for chickens. 193,476; Dec. 30; Serial No. 200,533; published Oct. 14, 1924.

iv ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Thurman, Beverly H., Southwest City, Mo. Metal and plaster of Paris busts. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.

U. S. Chlorinhaler Company, Washington, D. C. Chlorine-gas inhalers. 193,437; Dec. 30; Serial No. 202,568; published Oct. 28, 1924.

United States Gypsum Company, Chicago, Ill. Plaster board and plaster wall board. 193,459; Dec. 30; Serial No. 202,155; published Oct. 14, 1924.

United States Metallic Packing Company, The, Philadelphia, Pa. Metallic packing for piston and other rods. 193,397; Dec. 30; Serial No. 178,009; published Aug. 28, 1923.

United States Metallic Packing Company, Philadelphia, Pa. Metallic packing for piston and other rods. 193,398; Dec. 30; Serial No. 178,076; published Aug. 28, 1923.

Vavra, Minerva, doing business as Vavra's Pharmacy, Chicago, Ill. Antiseptic solution used as a medicine. 193,526; Dec. 30; Serial No. 194,382; published Sept. 30, 1924.

Vereinigte Freilager Ehrenfabriken A.-G. incl. vorm. Gustav Becker, Freiberg, Germany. Clocks, clockworks, and parts thereof. 193,404; Dec. 30; Serial No. 180,253; published Oct. 9, 1923.

Vitopake Co., Inc., New York, N. Y. Ophthalmic lenses and the blanks from which the same are cut. 193,467; Dec. 30; Serial No. 198,770; published Oct. 14, 1924.

Von Dancz, Dones O., doing business as National Distributing Syndicate, Brooklyn, N. Y. Antiseptic and germicide foot salves and remedies. 193,533; Dec. 30; Serial No. 191,515; published Oct. 14, 1924.

Wanamaker, John, Philadelphia, Pa. Perfumes and toilet creams. 193,484; Dec. 30; Serial No. 200,913; published Oct. 14, 1924.

Warner Brothers Pictures Inc., New York, N. Y. Motion-picture films. 193,588; Dec. 30.

Way, Lewis A., doing business as Sludge Flux Manufacturing Company, Pittsburgh, Pa. Material for treating hydrocarbons and their derivatives. 193,525; Dec. 30; Serial No. 192,871; published Sept. 30, 1924.

Webster, William A., Company, Memphis, Tenn. Face and talcum powders, beauty, cold, and dental creams. 193,388; Dec. 30; Serial No. 199,510; published Oct. 14, 1924.

Weinert Knitting & Machine Co., Inc., Reading, Pa. Ladies' hosiery. 193,375; Dec. 30; Serial No. 200,916; published Oct. 14, 1924.

Weinert Knitting & Machine Co., Inc., Reading, Pa. Ladies' hosiery. 193,443; Dec. 30; Serial No. 201,215; published Oct. 14, 1924.

Wencker-Morris Candy Co., assignor to Blanke-Wencker Candy Company, St. Louis, Mo. Cough drops and other remedies for coughs, colds, and sore throat. 26,295; renewed Mar. 26, 1925.

Western Safety Razor Company, Los Angeles, Calif. Safety razors and safety-razor blades. 193,434; Dec. 30; Serial No. 201,941; published Oct. 14, 1924.

Western Steel Products Co., Duluth and New Duluth, Minn. Furnaces. 193,561; Dec. 30; Serial No. 194,384; published June 24, 1924.

Whitson, Wesley J., Metairie Ridge, La. Shampoo. 193,519; Dec. 30; Serial No. 201,216; published Oct. 7, 1924.

Williams, Alonzo G., doing business as Dr. Putnam, New York, N. Y. Soap and shaving cream. 193,504; Dec. 30; Serial No. 187,236; published Sept. 30, 1924.

Worthen, Clarence E., doing business as The Prunione Laboratories, Malden, Mass. Liquid tonic medicine and pills for dyspepsia, etc. 193,387; Dec. 30; Serial No. 199,733; published Oct. 14, 1924.

Zumpt, Robert K., doing business as Redu Chemical Company, Cleveland, Ohio. Bathing salts and bathing compositions for reducing flesh. 193,493; Dec. 30; Serial No. 200,649; published Sept. 30, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Banana. For a Beverage. 27,979; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Virginia Pride. For a Beverage. 27,980; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Pestkowka. For a Beverage. 27,981; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Cherry. For a Beverage. 27,982; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Tokay. For a Beverage. 27,983; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Ginger Brandy. For a Beverage. 27,984; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Creme De Menthe. For a Beverage. 27,985; Dec. 30.

Buffalo Beverage Mfg. Co., Buffalo, N. Y. Kummel. For a Beverage. 27,986; Dec. 30.

Chairemont Sterilized Egg Co., Inc., Chicago, Ill. Clairemont sterile Eggs. 27,987; Dec. 30.

Clear Rock Mineral Co. (See Crowe, John C.)

Crowe, John C., doing business as Clear Rock Mineral Co., Indianapolis, Ind. R A B Foot-Vigor. For Preparation for the Human Feet. 27,988; Dec. 30.

Ditzler, Ray L., Huntington, Ind. Ditzler's Fancy Milk Food Poultry. For Poultry. 27,989-90; Dec. 30.

Fritz, S. S., Jr. & Co. (Inc.), Philadelphia, Pa. High Grade Nipples—Fritz-Made From New Pipe. For Assorted Nipples. 27,991; Dec. 30.

Hirst, Maurice D., Camden, N. J. Clinco The Magical Cleaner. For Bottles Containing a Cleaning Fluid. 27,992; Dec. 30.

Hosiery Manufacturers Sales Co., Inc., New York, N. Y. Crepleik. For Ladies', Men's, and Children's Hosiery, Sweaters, and Knitted Underwear. 27,993; Dec. 30.

Hosiery Manufacturers Sales Co., Inc., New York, N. Y. Aloaware. For Ladies', Men's, and Children's Hosiery, Sweaters, and Knitted Underwear. 27,994; Dec. 30.

Hospital, Francisco J., Los Angeles, Calif. Cienosan. For Purely Vegetable Blood Purifier and Tonic. 27,995; Dec. 30.

Kaltreider Cigar Company, The, Red Lion, Pa. Blitrite. For Cigars. 27,996; Dec. 30.

Kline, E. L., Yorkana, Pa. Tenico. For Cigars. 27,997; Dec. 30.

Lavitz, Herman, doing business as Dr. Young's Food Company, Brooklyn, N. Y. Dr. Young's Chocolate Flavor Malted Milk. For Malted Milk. 27,998; Dec. 30.

Lebers, Ernest, New York, N. Y. Milk White. For Eggs. 27,999; Dec. 30.

Molra, Limited, Halifax, Nova Scotia, Canada. The Bridge Box. For Chocolate Candy. 28,000; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National Photo Engraving Carbons. For Electric-Light Carbons. 28,001; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National Solid White Flame Carbons. For Electric-Light Carbons. 28,002; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National White Flame A. C. Projector Carbons. For Electric-Light Carbons. 28,003; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National High Intensity White Flame Projector Carbons. For Electric-Light Carbons. 28,004; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National High Intensity Searchlight Carbons. For Electric-Light Carbons. 28,005; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National Searchlight Carbons. For Electric-Light Carbons. 28,006; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National Projector Carbons. For Electric-Light Carbons. 28,007; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National Silvertip Negative Projector Carbons. For Electric-Light Carbons. 28,008; Dec. 30.

National Carbon Company, Inc., New York, N. Y. National Enclosed Arc Carbons. For Electric-Light Carbons. 28,009; Dec. 30.

Newark Paraffine & Parchment Paper Co., Newark, N. J.; Columbus, Ohio; and New York, N. Y. Home Made Bread. For Bread. 28,010; Dec. 30.

Perrex Company, Youngstown, Ohio. Beauty-Glow Combination Creme Powder. For Creme Powder Which Removes Blackheads, Freckles, Pimples, Sunburn, and Tan. 28,011; Dec. 30.

Porter, H. C., Orlando, Fla. Gum Spirits of Turpentine. For Turpentine. 28,012; Dec. 30.

Young's, Dr., Food Company. (See Lavitz, Herman.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Chattanooga Medicine Co., The, Chattanooga, Tenn. Cardul. For a Purely Vegetable Remedy or Tonic. 7,642; Dec. 30.

Day and Night Clothes Shop. (See Parver, Samuel D.)

Krank, Alfred J., St. Paul, Minn. Lemon Shampoo Window Display. For Preparations for the Hair. 7,643; Dec. 30.

Monarch Manufacturing Co., Atlanta, Ga. Cascade Home Hospitality Carton. For Ginger Ale. 7,644; Dec. 30.

Parver, Samuel D., doing business as Day and Night Clothes Shop, Salt Lake City, Utah. "Twin-Trouser" Suits. For Men's Clothing. 7,645; Dec. 30.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Active Process Corporation, New York, N. Y. Films and transfer positives. 204,947; Dec. 30.

Alexander Brothers, Philadelphia, Pa. Leather belts and belting. 202,687; Dec. 30.

Allied Fruit & Extract Co., New York, N. Y. Food-flavoring extracts, fruit sirups, malted skim milk, and preserved nuts. 184,431; Dec. 30.

Altshuler Brothers & Company, Youngstown, Ohio. Vinegar, pickles, catchup, etc. 204,386; Dec. 30.

Amazon Cotton Mills, Thomasville, N. C. Knitting yarns. 204,387; Dec. 30.

American Crayon Company, The, Sandusky, Ohio. Adhesive paste. 204,491; Dec. 30.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 204,145-51; Dec. 30.

American Mineral Spirits Co., Chicago, Ill. Motor oils. 203,640; Dec. 30.

American Motor Body Corporation, The, Philadelphia, Pa. Automobile passenger buses. 203,928; Dec. 30.

American Printing Company, Fall River, Mass. Cotton piece goods. 204,431; Dec. 30.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Hose supporters or garters. 182,697; Dec. 30.

Ansonia O & C Company, The, Ansonia, Conn. Shoe lacings. 205,240; Dec. 30.

Apo Manufacturing Company, Providence, R. I. Current rectifiers. 204,580; Dec. 30.

Armisteadt & Company, New York, N. Y. Men's robes and suits, women's dresses and robes, etc. 198,393; Dec. 30.

Art Ivory Manufacturing Co., Inc., New York, N. Y. Hairbrushes, clothes brushes, and toothbrushes. 204,647; Dec. 30.

Asbestos Limited, Inc., New York, N. Y. Plaster. 205,100; Dec. 30.

Ash Grove Lime and Portland Cement Company, Portland, Me., and Kansas City, Mo. Finish-coat plastering material. 203,709; Dec. 30.

Athlete and Sportsman Company, Inc., Columbus, Ohio. Magazine. 203,781; Dec. 30.

Auto Sheet Metal Works, Los Angeles, Calif. Automobile bumpers, trunk racks, and luggage carriers, and metal covers. 199,741; Dec. 30.

Baby Nose-Gay House. (See Forbis, Hazel T.)

Bacon, Leonard W., Jr., doing business as Delmo Laboratories, New York, N. Y. Antiseptic powder. 205,579; Dec. 30.

Batcheller, George C. & Co., New York, N. Y. Corsets. 187,502; Dec. 30.

Behan, Thomas Aliquippa, Pa. Urine conductor. 204,436; Dec. 30.

Belsor, Edward T., Company, Inc., Riverside, Conn. Perfumes, essential oils, and odoriferous chemical compounds. 204,888; Dec. 30.

Benjamin, E. V., Company, The, doing business as McGinnis Cotton Mills, New Orleans, La. Cotton denims. 204,649; Dec. 30.

Bergstrom Paper Company, Neenah, Wis. Book, cover, and catalogue papers. 189,961; Dec. 30.

Berstan Radio Products. (See Silber, Antoine R.)

Borsted Manufacturing Company, Chicago, Ill. Plugs for completing the connection between electric wires and devices to which electricity is to be supplied. 185,951; Dec. 30.

Better Health Company, San Bernardino, Calif. Antiseptic. 205,580; Dec. 30.

Big 4 Mfg. Co., The, Spokane, Wash. Face cream. 197,357; Dec. 30.

Birmingham Stove & Range Co., Birmingham, Ala. Gas, coal, and wood cooking ranges. 198,698; Dec. 30.

Bischoff, Ernst, Co., Inc., New York, N. Y. Dialyzed extract of fresh digitalis leaves. 204,695; Dec. 30.

Blatz, Valentin, Brewing Company, Milwaukee, Wis. Tobacco products. 205,387; Dec. 30.

Bleyle, Willi., G. m. b. H., Stuttgart, Germany. Outer garments and undergarments. 203,499; Dec. 30.

Boots Pure Drug Co., Limited, Nottingham, England. Medicinal preparation of bismuth. 205,466; Dec. 30.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 200,653; Dec. 30.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 200,655; Dec. 30.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 200,660; Dec. 30.

Brown, Edward W., Company, San Francisco, Calif. Gelatin dessert preparation. 185,002; Dec. 30.

Burch, R. W., Plant City, Fla. Fresh tomatoes. 204,582; Dec. 30.

Buschman Weissberg & Co., Inc., New York, N. Y. Electric lamps. 203,297; Dec. 30.

Butts Mfg. Co., Philadelphia, Pa. Deodorant mouth wash. 205,109; Dec. 30.

Cambridge Rubber Company, Cambridge, Mass. Coats, hats, and jackets. 204,656; Dec. 30.

Cameron, Wm., & Co., Inc., Waco, Tex. Paints, putty, and varnishes. 151,355; Dec. 30.

Cantol Wax Company, Bloomington, Ind. Belt dressing and wax impregnating compound. 185,241; Dec. 30.

Carlisle Shoe Company, Carlisle, Pa. Boots and shoes. 204,156; Dec. 30.

Carlson, F. O., Hopewell, Va. Light-switch extensions. 204,657; Dec. 30.

Carr Clothing Company, San Antonio, Tex. Work pants and coats. 201,834; Dec. 30.

Carter, Ralph B., Company, New York, N. Y. Rubber diaphragms for pumps. 203,222; Dec. 30.

Coto-Coil Co., Providence, R. I., and Boston, Mass. Radio receiving, detecting, and amplifying apparatus and parts thereof. 196,651; Dec. 30.

Central Dental Laboratory Co., Inc., New York, N. Y. Dental crowns and bridges. 202,326; Dec. 30.

Century Pen Company, The, Whitewater, Wis. Fountain pens. 197,800; Dec. 30.

Chaifant Can Company, Fort Wayne and Indianapolis, Ind. Cans for shipping milk. 200,181; Dec. 30.

Chartola Co., The. (See Schmidt, Oscar, Inc.)

Chauveau, Rene, Paris, France. Coffeepots. 205,110; Dec. 30.

Chemical Company of America, Inc., The, New York, N. Y. Dyestuffs. 205,194; Dec. 30.

Cheramy, Inc., New York, N. Y. Perfume, toilet water, vegetable, etc. 205,686; Dec. 30.

Clapp, Otis, & Son, Inc., Boston, Mass. Series of tonics with different medications. 200,860; Dec. 30.

Claxton Company, The, Youngstown, Ohio. Radio loud speakers. 198,224; Dec. 30.

Cleveland Automobile Company, Cleveland, Ohio. Internal-combustion engines and motors and parts thereof. 203,025; Dec. 30.

Cohen, Friedlander & Martin Co., The, Toledo, Ohio. Wool and mixtures thereof in the piece. 195,865; Dec. 30.

Cohn Hall Marx Co., New York, N. Y. Silk-stripe shirtings. 202,581; Dec. 30.

Colgate & Company, Jersey City, N. J. Face powder and rouge. 204,702; Dec. 30.

Collins, C. C., Company, Santa Ana, Calif. Poultry, hog, horse, rabbit, and cattle foods, fresh lemons and oranges, dried figs, etc. 198,731; Dec. 30.

Columbus-Union Oil Cloth Co., The, Columbus, Ohio. Oiled cloth. 205,197-9; Dec. 30.

Consolidated Products Co., Chicago, Ill. Concentrated buttermilk. 197,258; Dec. 30.

Crosby, Percy L., New York, N. Y. Title for cartoons. 204,690; Dec. 30.

Darling Valve & Manufacturing Company, Williamsport, Pa. Gate valves and fire hydrants. 203,791; Dec. 30.

Davis-Johnson Co., The, Chicago, Ill. Medicinal compound. 186,949-50; Dec. 30.

Decker, Alfred, & Cohn, Chicago, Ill. Clothing. 201,127; Dec. 30.

Degen-Lipp, Inc., Brooklyn, N. Y. Shoes. 204,309; Dec. 30.

Delmo Laboratories. (See Bacon, Leonard W., Jr.)

De Nordiske Fabriker De-No-Fa Aktieselskab, Christiania, Norway. Eatable fats and oils. 157,307; Dec. 30.

Detroit Quality Brush Mfg. Co., Detroit, Mich. Brushes, brooms, mops, and dusters. 202,744; Dec. 30.

Dew-On Company. (See Wilson, George T.)

Diamond Expansion Bolt Co., New York, N. Y. Nail expansion, nail fasteners, and nail anchors. 204,761-2; Dec. 30.

Dif Corporation, Brooklyn, N. Y. Chemical compound for cleaning glassware, etc. 204,227; Dec. 30.

Di Flore, D., Canning Co., San Jose, Calif. Canned fruits and vegetables. 205,320; Dec. 30.

Domestic Electric Company, The, Cleveland, Ohio. Automatic switches. 175,015; Dec. 30.

Dow Chemical Company, The, Midland, Mich. Chemical compounds and hygroscopic materials. 202,006; Dec. 30.

Draper, H. C., doing business as Draper Canning Company, Milton, Del. Canned vegetables. 202,331; Dec. 30.

Dual Loud Speaker Co. (See Hecht, Alexander S.)

Dwyer, William J., et al. (See Kimbro, James, assignor.)

E. L. Syndicate, Limited, London, England. Cinematograph projectors and parts thereof. 202,332; Dec. 30.

Eagle Cap Manufacturing Company. (See Miller, Ben A.)

Eastbrook Coal Company, The, Cleveland, Ohio. Coal. 205,001; Dec. 30.

Eastern Manufacturing Company, South Brewer, Me. Cellulose. 205,158; Dec. 30.

Electric Storage Battery Company, The, Philadelphia, Pa. Battery plates or elements. 203,169; Dec. 30.

Ellen Silk Mills, Inc., New York, N. Y. Tub-silk piece goods. 191,763; Dec. 30.

Elta Outboard Motor Company, Milwaukee, Wis. Marine engines and parts thereof. 202,103; Dec. 30.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Enco & Enco Menthol Company, Kansas City, Mo. External remedy to relieve catarrh or cold in head, throat, or lungs, insect bites, etc. 205,053; Dec. 30.

Everitt Rubber Heel Corporation, New York, N. Y. Rubber heels for boots and shoes. 197,265; Dec. 30.

F. A. B. Manufacturing Co., Oakland, Calif. Water pumps for internal-combustion-engine cooling systems. 193,810; Dec. 30.

Fear, Fred, & Co., Brooklyn, N. Y. Dyestuffs. 204,444; Dec. 30.

Filmex Dress Co., Inc., New York, N. Y. Dresses. 204,020; Dec. 30.

Firth Carpet Company, The, New York, N. Y. Textile rugs. 204,704; Dec. 30.

Fishall's Inc., Sioux City, Iowa. Ladies' suits, coats, dresses, etc. 199,935; Dec. 30.

Fitzpatrick Brothers, Chicago, Ill. Soap. 203,462; Dec. 30.

Flox Co., The, Minneapolis, Minn. Boiler-cleaning compounds and water softeners. 205,270; Dec. 30.

Floyd, R. Wentworth, doing business as Hyle Jack Company, New York, N. Y. Motorcar and other vehicle backs. 198,511; Dec. 30.

Folly Town Company, The, Chicago, Ill. Candy. 196,452; Dec. 30.

Forbis, Hazel T., doing business as Baby Nose-Gay House, Missoula, Mont. Nose syringes. 204,592; Dec. 30.

Foster, C. B., Packing Co., Inc., Biloxi, Miss. Canned shrimp and oysters. 203,463; Dec. 30.

Fox Furnace Company, The, Elyria, Ohio. Coal, gas, water, and oil furnaces and heaters. 204,142; Dec. 30.

Frank, Peter, West Haven, Conn. Candied pop corn. 203,264; Dec. 30.

Franklin Simon & Co. (See Sadleir Worth, assignor.)

French Mail Undergarment Co., Philadelphia, Pa. Ladies' underwear. 203,729; Dec. 30.

Frost, Herbert H., Incorporated, Chicago, Ill. Loud speakers and amplifying horns. 202,865; Dec. 30.

Fuller Brush Company, The, Hartford, Conn. Combs. 203,411; Dec. 30.

Fuller, W. F., & Co., San Francisco, Calif. Wood preservatives. 205,523; Dec. 30.

General Chain Company, Providence, R. I. Chains for personal wear. 203,674; Dec. 30.

Gentile, James, doing business as Darkona Easy Wash Company, B.H.Iro., Ohio. Clothes washing fluid. 204,313; Dec. 30.

Gerla, M., & Son, New York, N. Y. Dresses, coats, suits, underwear, etc. 201,028; Dec. 30.

Gold Band Confectionery Inc., Boston, Mass. Candy and chocolates. 203,947; Dec. 30.

Gotham Novelty Co., New York, N. Y. Boys' caps, shirts, blouses, pants, suits, and athletic uniforms. 168,964; Dec. 30.

Grammus, Gustavus, doing business as Midstate Candy Co., Grand Rapids, Mich. Candy bars. 203,266; Dec. 30.

Greenwood & Company, San Francisco, Calif. Canned fruits and vegetables, dried fruits, and fresh deciduous fruits. 200,330; Dec. 30.

Guardian Ointment Company, The, New York, N. Y. Remedy for treatment of diseases of the blood. 200,043; Dec. 30.

Gutmann & Company, Chicago, Ill. Leathers. 203,949; Dec. 30.

H. & H. Chemical Company, Chicago, Ill. Furniture polish. 204,167; Dec. 30.

Hall Van Gorder Company, The, Cleveland, Ohio. Tooth paste. 205,412; Dec. 30.

Harding, Lee L., New Britain, Conn. Liquid preparation for the treatment of gonorrhea. 196,245; Dec. 30.

Hearn, James A., & Son Inc., New York, N. Y. Candy. 205,208; Dec. 30.

Hecht, Alexander S., doing business as Dual Loud Speaker Co., New York, N. Y. Loud speakers, amplifying horns, and head sets. 202,665; Dec. 30.

Hendard Mayonnaise Company, Nashville, Tenn. Salad dressing. 203,568; Dec. 30.

Hendard Mayonnaise Company, Nashville, Tenn. Salad dressing. 203,568; Dec. 30.

Hillierich & Bradshy Co., Inc., Louisville, Ky. Golf balls. 205,479; Dec. 30.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 203,313; Dec. 30.

Home Yeast Company, Chicago, Ill. Yeast. 199,700; Dec. 30.

Hornel, Geo. A., & Co., Austin, Minn. Periodical. 202,779; Dec. 30.

House of A. Blatt Inc., The, New York, N. Y. Imitation-hair goods. 205,010; Dec. 30.

Hudant, Richard, New York, N. Y. Skin and tissue cream, talc, face powder, bath salts, etc. 201,751; Dec. 30.

Hungarian Rubber Goods Factory Limited, The, Budapest, Hungary. Tennis balls. 205,601; Dec. 30.

Hunt, C. B., & Son, Salem, Ohio. Hose couplers. 204,912; Dec. 30.

Hyle Jack Company, (See Floyd, R. Wentworth.)

Hynson, Westcott & Dunning, Baltimore, Md. Antiseptics, germicides, and bactericides. 205,069; Dec. 30.

Hynson, Westcott & Dunning, Baltimore, Md. Antiseptics, germicides, and bactericides. 205,336; Dec. 30.

Ica Aktiengesellschaft, Dresden, Germany. Cameras of all kinds, etc. 166,075; Dec. 30.

Ide, Geo. P., & Co., Inc., Troy, N. Y. Handkerchiefs. 201,452; Dec. 30.

Interstate Chemical Co., Jersey City, N. J. Insecticides. 205,643; Dec. 30.

Ion Radio Corporation, New York, N. Y. Radio receiving sets and parts. 204,557; Dec. 30.

Irvine, Geo. H., doing business as Sno-Flake Products Company, Detroit, Mich. Automobile body and furniture polishes. 203,822; Dec. 30.

Jefferson Company, Follansbee, W. Va. Electric lamps. 202,506; Dec. 30.

Jensen, Alexander J., Los Angeles, Calif. Paper weights. 197,279; Dec. 30.

Jewel Phonographs Company, Chicago, Ill. Stylus for phonographs. 187,315; Dec. 30.

Joh. Gottl. Hauswaldt, Magdeburg, Germany. Eating chocolate. 192,254; Dec. 30.

Johnson Company, Inc., The, Philadelphia, Pa. Heat-proof tables for use over radiators. 202,211; Dec. 30.

Johnson & Johnson, New Brunswick, N. J. Bandages for orthopedic use. 204,511; Dec. 30.

Jugo-Slavica Tea Company, (See Simunovich, Michael M.)

Karolth Corporation, Long Island City, N. Y. Casein plastic. 204,711; Dec. 30.

Katz & Ogush, Inc., New York, N. Y. Finger rings, bracelets, mesh bags, etc. 203,420; Dec. 30.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Neckties and scarfs, kimonos, wash dresses, etc. 159,155; Dec. 30.

Kelly, Jack, El Centro, Calif. Fresh cantaloupes. 201,350; Dec. 30.

Kendrick, James R., Co., Inc., Philadelphia, Pa. Corsets, corset elastics, brassieres, and brassiere elastics. 186,648; Dec. 30.

Kimball Brothers & Company, Inc., Enosburg Falls, Vt. Rubbing compound and vaporizing treatment for colds, pains, etc. 204,413; Dec. 30.

Kimball Brothers & Company, Inc., Enosburg Falls, Vt. Hair dressing and combing preparation. 204,414; Dec. 30.

Kimbro, James, doing business as National Golf Course and Lawn Supply Co., assignor to William J. Dwyer and Henry S. Wood, Washington, D. C. Lawn-mower blades. 197,154; Dec. 30.

Kindark Rug Company, Neenah, Wis. Rugs woven from paper yarn. 201,964; Dec. 30.

King Card Company, Philadelphia, Pa. Engraved greeting cards and calendars. 201,351; Dec. 30.

Kloro-Klenz Co., The, Chicago, Ill. Sanitary cleaning compounds. 203,632; Dec. 30.

Knitwear Promoters, Inc., New York, N. Y. Knit-goods materials and knitted articles for women. 202,631; Dec. 30.

Knoll, H. G., & Co., Inc., New York, N. Y. Tablets for nervousness and headaches. 204,235; Dec. 30.

Krank, A. J., Manufacturing Co., St. Paul, Minn. Face powder, cold cream, etc. 173,430; Dec. 30.

Lafay, Laurent, Paris, France. Medicinal preparation. 200,822; Dec. 30.

Lambert Pharmaceutical Company, St. Louis, Mo. Medicinal compound. 205,537; Dec. 30.

Lawrence Webster Co., The, Malone, N. Y. Trousers, suits, odd vests, and reefers. 192,025; Dec. 30.

Le Bel, Joseph I., Montreal, Quebec, Canada. Smoking pipes and cigar- and cigarette holders. 189,630; Dec. 30.

Leddich, Sylvester W., doing business as Llewellyn's Drug Store, Philadelphia, Pa. Antiseptic and hypotonic solutions. 204,613; Dec. 30.

Lerner, Harry, doing business as H. Lerner Company, Brooklyn, N. Y. Table and toilet silver-plated ware. 188,562; Dec. 30.

Lincoln Hosiery Corporation, Philadelphia, Pa. Hosiery. 202,997; Dec. 30.

Lincoln & Ulmer, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 205,538; Dec. 30.

Listerated Gum Corporation, New York, N. Y. Candy and chewing gum. 204,320; Dec. 30.

Llewellyn's Drug Store, (See Leddich, Sylvester W.)

Lotus Bud Company, Inc., New York, N. Y. Shampoos, hair tonic, cold cream, etc. 203,582; Dec. 30.

Lotus Chocolate Cream Co., The, Chicago, Ill. Candy. 204,617; Dec. 30.

Lucas, John, & Co., Inc., Philadelphia, Pa. Paste paint. 204,104; Dec. 30.

Lucas, Rhey, Hot Springs, Ark. Weight-reducing preparation. 203,476; Dec. 30.

Lyne, Lewis F., Jr., doing business as Oil Specialties and Supply Company, New York, N. Y. Preparations for preventing rust. 186,846; Dec. 30.

Macfadden Newspaper Publishing Corporation, New York, N. Y. Newspaper. 202,999; Dec. 30.

MacIn-Zimmer-McGill Tobacco Co., Incorporated, Petersburg, Va. Smoking and chewing tobacco and snuff. 205,169; Dec. 30.

Magle Dress Co., Los Angeles, Calif. Dresses. 190,293; Dec. 30.

Mannheim, Lewis, Pittsburgh, Pa. Shoes. 200,569; Dec. 30.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Marcovitch & Co., Limited, London, England. Cigarettes. 204,559; Dec. 30.

Maxline Drug Co. (See Robins, Max.)

Mayflower Fruit Association, Exeter, Calif. Fresh grapes. 201,813; Dec. 30.

McCallum Company, Inc., Pittsburgh, Pa. Fertilizer. 205,609; Dec. 30.

McGinnis Cotton Mills, (See Benjamin, E. V.)

McGregor Chemical Co., Chicago, Ill. Preparation for the treatment of the stomach, bowels, etc. 197,612; Dec. 30.

Menihan Company, The, Rochester, N. Y. Leather shoes. 189,256-7; Dec. 30.

Meyerhoff & Kaplan, Chicago, Ill. Books of tables. 203,480; Dec. 30.

Midstate Candy Co. (See Grammus, Gustavus.)

Miller, Ben A., doing business as Eagle Cap Manufacturing Company, Los Angeles, Calif. Caps for men. 200,368; Dec. 30.

Miller Publishing Company, The, Minneapolis, Minn. Weekly magazine. 204,716; Dec. 30.

Miller Publishing Company, The, Minneapolis, Minn. Monthly magazine. 204,717; Dec. 30.

Miner-Edgar Company, New York, N. Y. Compounds of oils and other solvents with nitrated cotton used in dressing leather. 186,662; Dec. 30.

Monaghan, Patrick J., doing business as P. J. Monaghan & Co., Baltimore, Md. Shoes. 204,564; Dec. 30.

Montague City Rod Co., Montague City and Amherst, Mass., and Brooklyn, N. Y. Fishing rods and reels. 203,135; Dec. 30.

Munsell, J. Guy, Lincoln, Nebr. Monthly publication. 203,281; Dec. 30.

Nacto Cleaner Corporation, New York, N. Y. Composition for cleaning textile fabrics and the like. 163,940; Dec. 30.

Nacto Cleaner Corp., New York, N. Y. Composition for cleaning fabrics and removing tar. 163,941; Dec. 30.

National Golf Course and Lawn Supply Co. (See Kimbro, James.)

National Ice Cream Company, The, Louisville, Ky. Ice cream. 205,023; Dec. 30.

National Pavements Corporation, New York, N. Y. Laid pavements and paving blocks. 205,217; Dec. 30.

Nelson, Fred S., Chicago, Ill. Advertising holders for cards, signs, etc. 202,353; Dec. 30.

New Haven Silk Hosiery Company, New Haven, Ind. Hosiery. 201,407; Dec. 30.

New Jersey Motors, Inc., Keyport, N. J. Internal-combustion engines and parts thereof. 197,164; Dec. 30.

New Metropolitan Fiction, Inc., New York, N. Y. Monthly magazine. 204,470; Dec. 30.

Northern New York Grocery Co., Malone, N. Y. Canned goods. 203,324; Dec. 30.

Nu Bone Corset Company, The, Los Angeles, Calif. Corsets and corset waists. 186,196; Dec. 30.

Nuway Mfg. Co., The, Long Island City, N. Y. Floor and automobile polish. 204,110; Dec. 30.

Oakley, Richard H., doing business as Oakley Paint Manufacturing Company, Los Angeles, Calif. Mixed paints. 200,636; Dec. 30.

Obarr, Raxley L., Huntington Beach, Calif. Compounded laxative mineral water. 172,343; Dec. 30.

O'Donnell, John A., Dennison, Ohio. Building tile. 204,625; Dec. 30.

O'Hanlon, Wm., & Co. Ltd., Manchester, England. Window Hollands. 200,369; Dec. 30.

Ohio Hammered Piston Ring Company, The, Cleveland, Ohio. Piston rings. 204,370; Dec. 30.

Oil Specialties and Supply Company, (See Lyne, Lewis F., Jr.)

Olsen & Ebann, Chicago, Ill. Jewelry. 202,884; Dec. 30.

Onelta Knitting Mills, Utica, N. Y. Knit underwear for women and girls. 199,015; Dec. 30.

O'Pal Manufacturing Company, The, Chicago, Ill. Toilet creams and powders, perfumes, talcum powder, etc. 205,653; Dec. 30.

Organ-Iron Laboratories, Omaha, Nebr. Medicine. 204,667; Dec. 30.

Owl Drug Company, The, San Francisco, Calif. Witch-hazel, bronchial tracheas, coconut-oil shampoo, etc. 201,097; Dec. 30.

Pacific Adhesive Products Company, (See Uman, George L.)

Palmetto Coffee Company, Inc., Washington, D. C. Coffee. 203,865; Dec. 30.

Parfumerie Roger & Gallet, Paris, France. Pastes and powders for the teeth, skin, and hair, and perfumery. 193,119; Dec. 30.

Patricia Mills, Inc., Kings Mountain, N. C. Table napkins. 192,083; Dec. 30.

Patton Bros. Drug Co., Catlettsburg, Ky. Antiseptic and deodorant. 205,707; Dec. 30.

Pelstrung, Herman J., Philadelphia, Pa. Printed books. 192,637; Dec. 30.

Pen-I-Sauken Silk Mill, Maple Shade, N. J., and New York, N. Y. Crêpe-backed satins in the piece. 204,246; Dec. 30.

Pfaffe, Henry, & Mike Kostogiann, Quincy, Ill. Pastry puff filled with ice cream. 194,077; Dec. 30.

Pierce, S. S., Co., Boston, Mass. Trade publication. 202,757; Dec. 30.

Pigot, Sayre Company, The, New York, N. Y. Oil to be used in pigments. 204,520; Dec. 30.

Placquo Art Company, The, Coffeyville, Kans. Bronzing liquid. 204,190; Dec. 30.

Plant Jr.-Weir Company, Cincinnati, Ohio. Clothing. 204,048; Dec. 30.

Plee-Zing Corporation, The, New York, N. Y. Canned fruits and vegetables, coffee, tapioca, and cornstarch. 203,144; Dec. 30.

Pope-Maloney Millinery Company, Louisville, Ky. Ladies' hats. 203,202; Dec. 30.

Prager Co., Inc., The, Brooklyn, N. Y. Wall paper. 198,693; Dec. 30.

Premier Bed and Spring Co., San Francisco, Calif. Beds, springs, and box springs. 188,927; Dec. 30.

Prym, William, Company, Limited, The, Stolberg, Germany. Pins, hairpins, buckles, snap fasteners, etc. 169,868; Dec. 30.

Puritan Tattle Coal Co., Inc., Columbus, Ohio. Bituminous coal. 198,674; Dec. 30.

Quilleash, Elmer H., Sioux City, Iowa. Hosiery, boots, shoes, etc. 197,046; Dec. 30.

Raffy, Marcel J., doing business as Raffy, New York, N. Y. Face powders and creams, perfumes, rouges, etc. 204,472; Dec. 30.

Reich, A. J., Company, Philadelphia, Pa. Golf clubs. 204,671-4; Dec. 30.

Reichel, Otto, Berlin, Germany. Juice, sirup of fruits, essences for preparing nonalcoholic beverages. 205,296; Dec. 30.

Remesin Products Co., New York, N. Y. Preparation for treatment of canine distemper, tonic, emulsion, etc. 204,329-30; Dec. 30.

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 204,475; Dec. 30.

Reward Chemical Company, Toledo, Ohio. Liquid cathartic or physic. 196,478; Dec. 30.

Richards, G. Whitfield, Philadelphia, Pa. Cutting and motor oils. 204,629; Dec. 30.

Riverside Chemical Company, Inc., North Tonawanda, N. Y. Lubricating oils and greases. 204,570; Dec. 30.

Robinson Iron Company, Philadelphia, Pa. Pig iron. 205,551; Dec. 30.

Robins, Max, doing business as Maxime Drug Co., Chicago, Ill. Liquid insect exterminator. 179,225; Dec. 30.

Robinson Packer Company, Tulsa, Okla. Packers, etc. 190,938; Dec. 30.

Rola Company, The, Seattle, Wash. Electrical loud speakers or microphones. 194,125; Dec. 30.

Rosell, J. D., Company, Peoria, Ill. Milk chocolate, caramels, and peanut bar. 200,899; Dec. 30.

Rutenber Electric Company, Marion, Ind. Electric air heater of the reflector type. 202,787; Dec. 30.

Sacks, H. & L., New York, N. Y. Children's and misses' dresses. 203,752; Dec. 30.

Salant & Salant Inc., New York, N. Y. Work shirts. 197,172; Dec. 30.

Samuel Clothes Inc., New York, N. Y. Suits, overcoats, trousers, vests, and coats. 204,477; Dec. 30.

Sampson, E. C., Wenatchee, Wash. Fresh apples. 205,232; Dec. 30.

Sanitary Products Company, (See Wlenand, Adam, Jr.)

Scheff, J. A., Inc., New York, N. Y. Wigs and transformations. 204,935; Dec. 30.

Scheffner, Charles, New York, N. Y. Boys' and young men's suits and overcoats. 202,680; Dec. 30.

Schenker, Michel & Welstock, Inc., Chicago, Ill. Ladies' coats and suits. 203,488; Dec. 30.

Schmidt, Oscar, Inc., doing business as The Chartola Co., Jersey City, N. J. Zithers. 203,650; Dec. 30.

Schrafft's Stores, The, (See Shattuck, Frank G., Company.)

Seranton Glass Instrument Company, Seranton, Pa. Syringe hydrometers. 204,281; Dec. 30.

Seffert, Otto, Vienna, Austria. Chucks. 187,139; Dec. 30.

Service Garment Company, Galveston, Tex. Overalls, jumpers, trousers, etc. 203,757; Dec. 30.

Sexton, John, and Company, Chicago, Ill. Table salt, coloring for foods, lye, etc. 187,475; Dec. 30.

Sexton, John, and Company, Chicago, Ill. Shingles and roofs. 187,900; Dec. 30.

Sharo, Co., The, (See Vi-Vola Laboratories.)

Shattuck, Frank G., Company, doing business as The Schrafft's Stores, and Schrafft's, New York, N. Y. Candy. 205,367; Dec. 30.

Sherrin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, varnishes, stains, and fillers. 200,584; Dec. 30.

Silber, Antoine R., doing business as Berstan Radio Products, Springfield, Mass. Radio transmitting and receiving sets and parts therefor, etc. 203,010; Dec. 30.

Simmons, John, Co., New York, N. Y. Pipe, valves, sectional pipe casing, unions, etc. 203,148; Dec. 30.

Simon, I. N., and Son, Philadelphia, Pa. Cucumber seeds. 203,697; Dec. 30.

Simunovich, Michael M., doing business as Jugo-Slavian Tea Company, Cleveland, Ohio. Medicinal tea constituting a blood tonic. 186,297; Dec. 30.
 Sklenicka, James, doing business as Sklenicka Trading Co., Omaha, Nebr. Malt sirup. 202,900; Dec. 30.
 Sno-Flake Products Company. (See Irvine, Geo. H.)
 Snyder, Jno. C. F. & Sons, Philadelphia, Pa. Sweeping compound. 203,541; Dec. 30.
 Societe Anonyme des Papiers Abadie, Paris, France. Cigarette papers, holders, and mouthpieces. 201,906; Dec. 30.
 Societe Anonyme les Dentifrices du Docteur Pierre, Nanterre, France. Perfumes, toilet water, face powder, etc. 204,636; Dec. 30.
 Societe Rodier, Paris, France. Piece goods of wool, cotton, and silk, and mixtures of same. 204,797; Dec. 30.
 Societe Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Soaps. 196,984; Dec. 30.
 Sorbo Rubber-Sponge Products Ltd., Woking, England. Shoe soles and linings for helmets and hats. 137,554; Dec. 30.
 Spangberg & Rudelius, Rockford, Ill. Plaster for healing boils, swellings, etc. 199,654; Dec. 30.
 Studdy, George E., London, England. Jewelry. 204,126; Dec. 30.
 Suchard, S. A., Serrieres, Switzerland. Chocolate. 198,095; Dec. 30.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins and fruits. 196,774; Dec. 30.
 Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins. 203,286; Dec. 30.
 T. & O., New York, N. Y. Face cream, liquid toilet powder, compact powders, and rouges. 204,336; Dec. 30.
 Technical Supply Corporation of Chicago, Chicago, Ill. Blue prints, black-line prints, etc. 203,700; Dec. 30.
 Tharp, Laurence M., Chicago, Ill. Golf balls, clubs, and bags. 201,986; Dec. 30.
 Tingle, Brown & Co., New York, N. Y. Padding for ironing rolls. 204,209; Dec. 30.
 Tomlinson, Algeo B., Shamrock, Tex. Knee pads. 201,939; Dec. 30.
 Tussey-Burns Co., Philadelphia, Pa. Wax paper sheets. 190,524; Dec. 30.
 Twin Peaks Canning Co., Salt Lake City, Utah. Canned vegetables. 203,495; Dec. 30.
 Uman, George L., doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Writing inks. 202,724; Dec. 30.
 Union Knitwear Service, Inc., New York, N. Y. Knitted wearing apparel. 203,849; Dec. 30.
 Unique Cleaners and Dyers, The, Chicago, Ill. Suits, dresses, coats, and gloves. 199,136; Dec. 30.
 United States Gypsum Company, Chicago, Ill. Stucco and wall plaster. 204,576; Dec. 30.
 U. S. Industrial Chemical Co., Baltimore, Md. Materials containing iodine. 203,986-7; Dec. 30.

Utah Canning Company, The, Ogden, Utah. Canned tomatoes. 203,496; Dec. 30.
 Vandewart Company, Inc., New York, N. Y. Men's and boys' knitted sweaters, vests, slip-overs, etc. 202,311; Dec. 30.
 Varkenn Easy Wash Company. (See Gentile, James.)
 Vaughan, E. A. Company, St. Paul, Minn. Hand lotion. 204,642; Dec. 30.
 Vi-Vola Laboratories, doing business as The Sharo Co., New York, N. Y. Depilatories. 205,575; Dec. 30.
 Voss, George A., Jr., Syracuse, N. Y. Cough drops. 198,272; Dec. 30.
 Watkins, Richard M., doing business as Watkins Hosiery Mills, Chattanooga, Tenn. Ladies' hosiery. 204,075; Dec. 30.
 White, Glenn G., doing business as The White-Hall Specialty Co., Kalamazoo, Mich. Household cleaning preparation. 203,658; Dec. 30.
 White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Artificial teeth. 204,293; Dec. 30.
 White Star Oil Company, Philadelphia, Pa. Lubricating and stock blend oil, green lubricants, cup grease, etc. 199,914; Dec. 30.
 Wionand, Adam, Jr., doing business as Sanitary Products Company, Pittsburgh, Pa. Cleaning compound for cleaning windows, sinks, etc. 203,902; Dec. 30.
 Wiley Dandruff Remover Co., The, doing business as The Wiley D. R. Co., Toledo, Ohio. Liquid preparations for shampoo, etc., and toilet waters. 189,085; Dec. 30.
 Wilkins, Thomas H., Portsmouth, Va. Powders for headache, neuralgia, etc. 204,212; Dec. 30.
 Wilson, George T., doing business as Dew-On Company, Cleveland, Ohio. Preparations for cleaning, polishing, and improving furniture, pianos, etc. 185,278; Dec. 30.
 Windsor Wax Company, Inc., New York, N. Y. Wax compositions for polishing furniture, automobiles, etc. 197,463; Dec. 30.
 Winget Kickernick Co., Minneapolis, Minn. Women's and children's underwear. 184,276; Dec. 30.
 Wolovoy Sisters, Chicago, Ill. Medical preparation used in the treatment of bladder trouble. 201,871; Dec. 30.
 Women's Hygienic Institute, Inc., New York, N. Y. Fountain syringes. 204,340; Dec. 30.
 Women's Hygienic Institute, Inc., New York, N. Y. Antiseptic powder, etc. 204,341; Dec. 30.
 Wood, Campbell, Detroit, Mich. Advertising and literature racks. 202,732; Dec. 30.
 Wood, Henry S., et al. (See Kimbro, James, assignor.)
 Zaloom Brothers Company, Inc., New York, N. Y. Nut foods, especially roasted pistachio nuts. 205,187; Dec. 30.
 Zimmerman Coal Company, Terre Haute, Ind. Coal. 205,461; Dec. 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Independent Coal Corporation. 193,572; Dec. 30.
 Coal. Middle West Coal Company. 193,455-7; Dec. 30; Serial Nos. 202,070-2; published Oct. 14, 1924.
 Coal. Saline County Coal Corporation. 193,568; Dec. 30.
 Dogs. G. R. Dodge. 193,410; Dec. 30; Serial No. 200,312; published Oct. 7, 1924.
 Fur. Carroted. American Hatters and Furriers Company. 193,454; Dec. 30; Serial No. 201,914; published Oct. 14, 1924.
 Leather in the piece. J. E. Hurligan. 193,460; Dec. 30; Serial No. 202,169; published Oct. 14, 1924.
 Ore. Chrome. E. J. Lavino and Company. 193,453; Dec. 30; Serial No. 201,762; published Oct. 14, 1924.

CLASS 4.

Soap and shaving cream. A. G. Williams. 193,504; Dec. 30; Serial No. 187,236; published Sept. 30, 1924.

CLASS 6.

Alcohol. Completely-denatured. Federal Products Co. 193,518; Dec. 30; Serial No. 201,190; published Oct. 7, 1924.
 Analgesics, anesthetics, anodynes, etc. Schering & Glatz, Inc. 193,581; Dec. 30; Serial No. 200,522; published Oct. 7, 1924.
 Analgesics, anesthetics, anodynes, etc. Schering & Glatz, Inc. 193,500; Dec. 30; Serial No. 200,523; published Sept. 30, 1924.
 Aniline and its salts, naphthol and its derivatives, etc. Chemische Fabrik Grünau Landshoff & Meyer Aktien-gesellschaft. 193,554; Dec. 30; Serial No. 196,906; published Oct. 14, 1924.

Antiseptic solution. M. Yavna. 193,526; Dec. 30; Serial No. 194,382; published Sept. 30, 1924.
 Bathing salts and bathing compositions. R. K. Zumpft. 193,493; Dec. 30; Serial No. 200,649; published Sept. 30, 1924.
 Boiler-cleaning and scale-removing compounds. Ellicottville Scale Removing Corporation. 193,382; Dec. 30; Serial No. 200,437; published Sept. 30, 1924.
 Chemical composition. F. R. Mills. 193,489; Dec. 30; Serial No. 200,956; published Sept. 30, 1924.
 Citrate-magnesia solutions. Kleinschmidt Magnesia Co. 193,383; Dec. 30; Serial No. 200,266; published Sept. 30, 1924.
 Cocaine. E. Merck. 193,527; Dec. 30; Serial No. 201,096; published Oct. 14, 1924.
 Colors. Certified food. National Aniline & Chemical Company. 193,390; Dec. 30; Serial No. 199,179; published Oct. 7, 1924.
 Colors. Coal-tar. Society of Chemical Industry in Basle. 193,524; Dec. 30; Serial No. 190,390; published Sept. 30, 1924.
 Cough drops. J. Frank Shellenberger Co. 193,521; Dec. 30; Serial No. 201,206; published Oct. 7, 1924.
 Cough drops and other remedies for coughs, colds, and sore throat. Wencker-Morris Candy Co. 20,295; renewed Mar. 26, 1925.
 Cough sirup. Hector and Blue. 193,530; Dec. 30; Serial No. 181,892; published Oct. 14, 1924.
 Emulsions of therapeutic bacilli. Morgenstern & Company. 193,393; Dec. 30; Serial No. 199,077; published Oct. 14, 1924.
 Fluid for prevention and removal of corrosion of metals. A. J. Jones. 193,541; Dec. 30; Serial No. 201,404; published Oct. 7, 1924.
 Fluxes for soldering metals. Actien-Gesellschaft für Anilin-Fabrikation. 193,475; Dec. 30; Serial No. 201,316; published Oct. 7, 1924.

Fluxes for soldering metals. Actien-Gesellschaft für Anilin-Fabrikation. 193,545; Dec. 30; Serial No. 201,317; published Oct. 7, 1924.
 Food colors. B. Heller & Company. 193,520; Dec. 30; Serial No. 201,237; published Oct. 7, 1924.
 Gum, chewing. American Chicle Company. 193,438; Dec. 30; Serial No. 202,315; published Oct. 21, 1924.
 Hair cream. E. J. Enderes. 193,544; Dec. 30; Serial No. 201,339; published Oct. 7, 1924.
 Hair grower. B. I. Clark. 193,517; Dec. 30; Serial No. 201,179; published Oct. 7, 1924.
 Headache, neuralgia, and pain relief. D. Sheftelman. 193,499; Dec. 30; Serial No. 200,525; published Sept. 30, 1924.
 Hydrocarbons and their derivatives. Material for treating. L. A. Way. 193,525; Dec. 30; Serial No. 192,871; published Sept. 30, 1924.
 Incense. Louis Lucas Co. 193,492; Dec. 30; Serial No. 200,685; published Sept. 30, 1924.
 Insect powder. John Powell & Co. 193,501; Dec. 30; Serial No. 185,764; published Feb. 5, 1924.
 Insecticide and rodent exterminator. American Cyanamid Company. 193,386; Dec. 30; Serial No. 199,768; published Oct. 14, 1924.
 Insecticide, animal. Park Laboratory Co. 193,523; Dec. 30; Serial No. 201,408; published Oct. 7, 1924.
 Insecticides. Texas Company. 193,473-4; Dec. 30; Serial Nos. 201,312-14; published Oct. 7, 1924.
 Insecticides and rodent exterminator. M. Sultzbach. 193,483; Dec. 30; Serial No. 200,597; published Oct. 7, 1924.
 Insecticides, fungicides, germicides. Sherwin-Williams Company. 193,497-8; Dec. 30; Serial Nos. 200,527-8; published Sept. 30, 1924.
 Laundry blue. Laundry Products Corp. 193,486; Dec. 30; Serial No. 200,550; published Oct. 14, 1924.
 Laxative tablets. C. W. Doddridge. 193,516; Dec. 30; Serial No. 201,080; published Sept. 30, 1924.
 Liquid for closing leaks in radiators and water jackets. F. Heilmann. 193,468; Dec. 30; Serial No. 201,030; published Oct. 14, 1924.
 Medicinal preparation. Maghee Chemical Corporation. 193,515; Dec. 30; Serial No. 201,038; published Sept. 30, 1924.
 Medicinal preparation. B. C. Smith. 193,551; Dec. 30; Serial No. 197,689; published Oct. 14, 1924.
 Medicinal treatment for constipation. F. P. Selbert. 193,469; Dec. 30; Serial No. 201,104; published Oct. 14, 1924.
 Medicine and pills for dyspepsia, etc. Tonic. C. E. Worthen. 193,387; Dec. 30; Serial No. 199,733; published Oct. 14, 1924.
 Medicine, narcotic-addict. B. S. Gastineau. 193,528; Dec. 30; Serial No. 196,586; published Oct. 7, 1924.
 Oil. Petroleum. Standard Oil Company. 193,535; Dec. 30; Serial No. 185,267; published Oct. 7, 1924.
 Oleaginous preparation. Quaker Oil Products Corporation. 193,487; Dec. 30; Serial No. 201,012; published Sept. 30, 1924.
 Perfume and toilet waters. W. T. Rawleigh Company. 193,478; Dec. 30; Serial No. 198,965; published Oct. 14, 1924.
 Perfumes. L. Cohn. 193,471; Dec. 30; Serial No. 201,220; published Oct. 14, 1924.
 Perfumes and toilet creams. John Wanamaker Philadelphia. 193,484; Dec. 30; Serial No. 200,913; published Oct. 14, 1924.
 Perfumes, toilet waters, bath salts, etc. Guerlain Perfumery Corporation. 193,391; Dec. 30; Serial No. 199,163; published Sept. 30, 1924.
 Powders and creams. William A. Webster Company. 193,388; Dec. 30; Serial No. 199,510; published Oct. 14, 1924.
 Preparation for bronchitis, pneumonia, etc. S. W. Johnson. 193,550; Dec. 30; Serial No. 197,760; published Sept. 30, 1924.
 Preparation for the treatment of leucorrhea. F. P. Laurenza. 193,494; Dec. 30; Serial No. 200,628; published Sept. 30, 1924.
 Preparation for treatment of wounds, gangrene, and allied conditions. A. M. Liebsch. 193,543; Dec. 30; Serial No. 201,357; published Oct. 14, 1924.
 Preparation used for allaying pain. B. F. Roseman. 193,522; Dec. 30; Serial No. 201,378; published Oct. 7, 1924.
 Remedy for infection, etc., of the skin. Sterinaul Co. 193,490; Dec. 30; Serial No. 200,908; published Sept. 30, 1924.
 Remedy for neglected colds, catarrh, etc. A. Bailly. 193,491; Dec. 30; Serial No. 200,704; published Sept. 30, 1924.
 Rouge. A. H. Arlt. 193,542; Dec. 30; Serial No. 201,387; published Oct. 7, 1924.
 Salve. W. F. Fisher. 193,384; Dec. 30; Serial No. 200,238; published Sept. 30, 1924.
 Salves and remedies. Foot. I. O. Von Dancz. 193,533; Dec. 30; Serial No. 194,315; published Oct. 14, 1924.
 Salves for diseases and infections of the skin. O. Crawford. 193,470; Dec. 30; Serial No. 201,125; published Oct. 14, 1924.
 Shampoo. I. H. Morrow. 193,495; Dec. 30; Serial No. 200,574; published Sept. 30, 1924.
 Shampoo. W. J. Whitson. 193,519; Dec. 30; Serial No. 201,216; published Oct. 7, 1924.

Toilet preparations. Carver-Ruff Co. 193,485; Dec. 30; Serial No. 200,929; published Oct. 14, 1924.
 Tonic. F. H. Hinckley. 193,496; Dec. 30; Serial No. 200,545; published Sept. 30, 1924.
 Tonic for chickens. A. C. Thompson. 193,479; Dec. 30; Serial No. 200,533; published Oct. 14, 1924.
 Treatment for the scalp and dandruff. J. S. C. Birnbaum. 193,472; Dec. 30; Serial No. 201,276; published Oct. 7, 1924.
 Water softener and cleanser. Northern Jobbing Company. 193,488; Dec. 30; Serial No. 200,959; published Sept. 30, 1924.

CLASS 8.

Pipes, cigar and cigarette holders, smokers'. Kaufmann Bros. & Bondy. 193,507; Dec. 30; Serial No. 189,314; published Mar. 25, 1924.

CLASS 9.

Matches. Osakeyhtiö Savo, Ltd. 193,477; Dec. 30; Serial No. 198,083; published Oct. 21, 1924.

CLASS 10.

Fertilizer. Baker & Coe. 193,556; Dec. 30; Serial No. 197,649; published Oct. 14, 1924.

CLASS 12.

Building paper, shingles, corrugated fiber board, etc. Fisher Bros. Paper Company. 193,377; Dec. 30; Serial No. 200,874; published Oct. 14, 1924.
 Cabinet work and millwork, interior and exterior millwork. Frank Schmitt & Company. 193,547; Dec. 30; Serial No. 184,267; published Oct. 7, 1924.
 Fire brick, furnace linings, etc., used in the construction of glass and zinc and similar furnaces. Mitchell Clay Mfg. Co. 193,458; Dec. 30; Serial No. 202,133; published Oct. 14, 1924.
 Floors, nailing base for concrete, metallic finished floors. Cement. Cement Finish Co. 193,406; Dec. 30; Serial No. 168,916; published Oct. 7, 1924.
 Granite. Pike River Granite Co. 193,569-70; Dec. 30.
 Lime, hydrated. Lone Star Lime Works. 193,586; Dec. 30.
 Plaster. Macoustic Engineering Company. 193,428; Dec. 30; Serial No. 200,504; published Oct. 7, 1924.
 Plaster board and plaster wall board. United States Gypsum Company. 193,459; Dec. 30; Serial No. 202,155; published Oct. 14, 1924.

CLASS 13.

Lugs, lug bolts, and pipe valves. H. G. J. Frank. 193,562; Dec. 30; Serial No. 193,226; published Oct. 14, 1924.

CLASS 14.

Alloyed ferrous metal. Ellicott Machine Corporation. 193,595; Dec. 30.
 Alloys, bearing and white-metal. Jackson-Wheeler Metals Service. 193,420; Dec. 30; Serial No. 200,719; published Oct. 14, 1924.

CLASS 16.

Paints, paint enamels, japans, varnishes, stains, and fillers. Sherwin-Williams Company. 193,571; Dec. 30; Polish for automobiles, furniture, etc. Alklean Manufacturing Company. 193,574; Dec. 30.

CLASS 19.

Automobile bumpers and parts thereof. Biflex Products Company. 193,385; Dec. 30; Serial No. 200,131; published Oct. 14, 1924.
 Cars, motor. Peerless Motor Car Company. 193,408; Dec. 30; Serial No. 174,483; published Aug. 28, 1923.

CLASS 23.

Bottle-washing machines. Rapid Bottle Washer Company. 193,560; Dec. 30; Serial No. 194,946; published Oct. 14, 1924.
 Can openers. A. J. Tanner. 193,436; Dec. 30; Serial No. 201,519; published Oct. 14, 1924.
 Digging and moving apparatus. Earth. Miami Trailer-Scraper Co. 193,590; Dec. 30.
 Hammers, saws, planes, knives, etc. H. D. Swanson. 193,593; Dec. 30.
 Pocketknives and attachments therefor. J. H. McFadden. 193,392; Dec. 30; Serial No. 199,121; published Oct. 14, 1924.
 Pumps for air or liquids. Rotary Machine & Engineering Co. 193,409; Dec. 30; Serial No. 174,863; published Oct. 14, 1924.
 Razors and safety-razor blades. Safety. Western Safety Razor Company. 193,434; Dec. 30; Serial No. 201,941; published Oct. 14, 1924.
 Tool-grinding machines. Dazey Churn & Manufacturing Company. 193,418; Dec. 30; Serial No. 199,349; published Oct. 14, 1924.
 Tractors, crawler attachments for. Geo. H. Smith Steel Casting Company. 193,591; Dec. 30.

CLASS 25.

Locks, door. S. Edelson. 193,587; Dec. 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 26.

Lenses and the blanks from which the same are cut. Ophthalmic. Viopak Co. 193,467; Dec. 30; Serial No. 198,770; published Oct. 14, 1924.
Ophthalmic mountings and parts thereof. Bausch and Lomb Optical Company. 193,411; Dec. 30; Serial No. 200,240; published Oct. 14, 1924.
Picture films, Motion-. Warner Brothers Pictures Inc. 193,588; Dec. 30.

CLASS 27.

Clocks, clockworks, and parts thereof. Vereinigte Frel burger Uhrenfabriken A.-G. incl. vorm. Gustav Becker 193,404; Dec. 30; Serial No. 180,253; published Oct. 9, 1923.

CLASS 29.

Mitts, Washing and polishing. Aetna Hosiery Company. 193,596; Dec. 30.

CLASS 30.

Porcelain and china ware. Continental Ceramics Corporation. 193,539; Dec. 30; Serial No. 202,099; published Oct. 21, 1924.

CLASS 33.

Dishes, Glass. W. M. Shewry. 193,529; Dec. 30; Serial No. 196,262; published Oct. 21, 1924.
Glass milk bottles and cottage cheese containers. Liberty Glass Company. 193,546; Dec. 30; Serial No. 201,667; published Oct. 21, 1924.
Vases, bowls, jugs, etc. Corning Glass Works. 193,476; Dec. 30; Serial No. 201,023; published Oct. 21, 1924.

CLASS 34.

Air of smoke and odors and to vaporize perfume. Apparatus to clear. A. F. Jennings. 193,401; Dec. 30; Serial No. 180,703; published Oct. 7, 1924.
Furnaces. Western Steel Products Co. 193,561; Dec. 30; Serial No. 194,384; published June 24, 1924.
Stoves and ranges, Gas. Geo. D. Roper Corporation. 193,430; Dec. 30; Serial No. 201,046; published Oct. 7, 1924.

CLASS 35.

Hose, Linen fire. Wm. & Chas. Beck, Inc. 193,402; Dec. 30; Serial No. 175,122; published Oct. 14, 1924.
Mechanical rubber goods. Boston Belting Company. 26,052; renewed Feb. 12, 1925.
Packing and packing material. Garlock Packing Company. 193,573; Dec. 30.
Packing and packing material. Garlock Packing Company. 193,575-85; Dec. 30.
Piston and other rods, Metallic packing for. United States Metallic Packing Company. 193,397; Dec. 30; Serial No. 178,009; published Aug. 28, 1923.
Piston and other rods, Metallic packing for. United States Metallic Packing Company. 193,398; Dec. 30; Serial No. 178,076; published Aug. 28, 1923.
Piston rings, rubber hose, tires, and patches, inner tubes, packing. H. G. J. Frank. 193,513; Dec. 30; Serial No. 193,224; published Oct. 14, 1924.
Rubber tubing. Metropolitan Device Corporation. 193,414; Dec. 30; Serial No. 199,642; published Oct. 7, 1924.
Tire casings and tubes, Vehicle. Blackfoot Tire and Rubber Company. 193,424; Dec. 30; Serial No. 200,978; published Oct. 7, 1924.
Tires and inner tubes. Original Tire Company. 193,505; Dec. 30; Serial No. 189,134; published Feb. 19, 1924.
Tires, Rubber. Pennsylvania Rubber Company. 193,506; Dec. 30; Serial No. 189,137; published Oct. 14, 1924.

CLASS 37.

Pens and pencils and combination fountain pens and pencils. Fountain. Pen-O-Pencil Company. 193,396; Dec. 30; Serial No. 175,678; published Sept. 2, 1924.

CLASS 38.

Publication. Shower Brothers Company. 193,421; Dec. 30; Serial No. 200,375; published Sept. 16, 1924.

CLASS 39.

Bibs and children's aprons, Infants'. Star Garter Co. 193,563; Dec. 30; Serial No. 192,935; published Sept. 16, 1924.
Bootties, hoods, toques, etc. Louis Schlesinger Knitting Co. 193,466; Dec. 30; Serial No. 199,131; published Oct. 21, 1924.
Brassieres. Seamless Brassiere Co. 193,415; Dec. 30; Serial No. 199,497; published Oct. 21, 1924.
Brassieres and bandeaux. Malldwell Brassiere Company. 193,510; Dec. 30; Serial No. 190,349; published Oct. 14, 1924.
Caps. Bob Cap Co. 193,512; Dec. 30; Serial No. 192,669; published June 3, 1924.
Clothes, overcoats, and suits. Chas. Douglas-Mack Co. 193,447; Dec. 30; Serial No. 201,334; published Oct. 14, 1924.
Coat and trousers in one piece. Mrs. O. C. Sledge. 193,389; Dec. 30; Serial No. 199,328; published Oct. 14, 1924.

Coats, suits, skirts, etc. W. W. Moore Company. 193,419; Dec. 30; Serial No. 199,238; published Oct. 21, 1924.

Coats, trousers, overcoats, shirts, etc. Outer. Pendleton Woolen Mills. 193,592; Dec. 30.
Corsets, girdles, and health belts. Hip Hold Corset Corporation. 193,423; Dec. 30; Serial No. 200,989; published Oct. 21, 1924.

Dresses, coats, brassieres, etc. Enid Frocks, Inc. 193,394; Dec. 30; Serial No. 199,050; published Oct. 21, 1924.

Dresses, coats, suits, blouses, skirts, and capes. Lord & Taylor. 193,441; Dec. 30; Serial No. 201,148; published Oct. 14, 1924.

Dresses, Ladies'. May Department Stores Company. 193,442; Dec. 30; Serial No. 201,200; published Oct. 14, 1924.

Gloves, Work. National Glove Company. 193,417; Dec. 30; Serial No. 199,433; published Oct. 21, 1924.

Hats. A. N. Adelson. 193,427; Dec. 30; Serial No. 200,741; published Oct. 21, 1924.

Hats. Banks Hat, Incorporated. 193,464; Dec. 30; Serial No. 198,979; published Oct. 21, 1924.

Hats, Ladies'. London Feather Novelty Company. 193,511; Dec. 30; Serial No. 192,184; published Oct. 21, 1924.

Hats, Ladies' and children's. Rosen-Sussman Hat Corporation. 193,514; Dec. 30; Serial No. 193,309; published June 17, 1924.

Hats, Ladies' and misses'. Samuel D. Laidson & Co. 193,380; Dec. 30; Serial No. 200,721; published Oct. 7, 1924.

Hats, Men's. Middle West Hat Mfg. Co. 193,400; Dec. 30; Serial No. 180,138; published Oct. 21, 1924.

Hats, Women's. L. Hamberger & Co. 193,429; Dec. 30; Serial No. 201,218; published Oct. 7, 1924.

Hose, Men's. Consolidated Glove & Hosiery Corporation. 193,373; Dec. 30; Serial No. 200,984; published Oct. 14, 1924.

Hosiery. People's Shoe Stores Co. 193,371; Dec. 30; Serial No. 201,011; published Oct. 14, 1924.

Hosiery. M. I. Stewart & Co. 193,462; Dec. 30; Serial No. 198,266; published Aug. 5, 1924.

Hosiery. E. Suro & Son Company. 193,450; Dec. 30; Serial No. 201,417; published Oct. 14, 1924.

Hosiery, Ladies'. Weinert Knitting & Machine Co. 193,375; Dec. 30; Serial No. 200,916; published Oct. 14, 1924.

Hosiery, Ladies'. Weinert Knitting & Machine Co. 193,447; Dec. 30; Serial No. 201,215; published Oct. 14, 1924.

Overcoats and suits. Chas. Douglas-Mack Co. 193,448; Dec. 30; Serial No. 201,335; published Oct. 14, 1924.

Shirts, pyjamas, and boys' blouses. Phillips-Jones Corporation. 193,445-6; Dec. 30; Serial Nos. 201,304-5; published Oct. 14, 1924.

Shirts, Work. C. B. Cones & Son Mfg. Co. 193,503; Dec. 30; Serial No. 185,507; published Sept. 23, 1924.

Shoes, Rubber. Converse Rubber Shoe Co. 193,369-70; Dec. 30; Serial Nos. 201,077-8; published Oct. 21, 1924.

Soles, Leather. Hagerstown Shoe & Luggage Co. 193,403; Dec. 30; Serial No. 176,544; published Oct. 21, 1924.

Underwear, Men's athletic. R. H. Macy & Co. 193,379; Dec. 30; Serial No. 200,723; published Oct. 14, 1924.

Waterproof clothing. Archer Rubber Company. 193,431; Dec. 30; Serial No. 201,526; published Oct. 14, 1924.

CLASS 42.

Blankets. Old Town Woolen Co. 193,548; Dec. 30; Serial No. 197,677; published Oct. 21, 1924.

Blankets. Old Town Woolen Co. 193,557; Dec. 30; Serial No. 197,679; published Oct. 21, 1924.

Carpets, Wool. C. W. Poulson. 193,449; Dec. 30; Serial No. 201,376; published Oct. 21, 1924.

Cotton fabrics. Mitchell Bros. Inc. 193,465; Dec. 30; Serial No. 199,076; published Oct. 21, 1924.

Cotton piece goods. Kelsey Textile Corporation. 193,534; Dec. 30; Serial No. 185,756; published Oct. 21, 1924.

Cotton piece goods. Kummer, Upmann & Co. 193,378; Dec. 30; Serial No. 200,820; published Oct. 21, 1924.

Draperies, valances, curtains, window shades, and bedspreads. Leshner, Whitman & Co. 193,451; Dec. 30; Serial No. 201,458; published Oct. 21, 1924.

Fabrics of silk and artificial silk. Lang Knitting Mills, Inc. 193,372; Dec. 30; Serial No. 200,997; published Oct. 21, 1924.

Hemp, flax, cotton, and jute fabrics. Etablissements Chané & Dumall. 193,530-1; Dec. 30; Serial Nos. 195,438-9; published Oct. 21, 1924.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

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Silk and silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 193,549; Dec. 30; Serial No. 197,839; published Oct. 21, 1924.

Silk piece goods. Stepli Silks Corporation. 193,452; Dec. 30; Serial No. 201,517; published Oct. 21, 1924.

Wool velour coating piece goods. C. Bahnsen & Co. 193,508; Dec. 30; Serial No. 186,539; published Oct. 21, 1924.

Woolen billiard table cloth. N. Grover. 193,395; Dec. 30; Serial No. 199,001; published Oct. 21, 1924.

Woolen cloths in the piece for suiting, etc. S. Stein & Co. 193,538; Dec. 30; Serial No. 166,474; published Oct. 21, 1924.

Woolen piece goods. Strong, Hewitt & Co. 193,376; Dec. 30; Serial No. 200,909; published Oct. 21, 1924.

CLASS 43.

Silk, spun, thrown, sewing, or knitting twist, yarn, and thread, Artificial. "Sula-Viscosa" Società Nazionale Industriale Applicazioni Viscosa. 193,532; Dec. 30; Serial No. 195,083; published Oct. 21, 1924.

Threads. Linen Thread Company. 193,480-2; Dec. 30; Serial Nos. 200,564-6; published Oct. 21, 1924.

Yarn, thread, and loss. Köln-Hottwell Aktiengesellschaft. 193,537; Dec. 30; Serial No. 168,423; published Oct. 21, 1924.

CLASS 44.

Furniture for hospitals, etc. Steel. Frank S. Betz Company. 193,558; Dec. 30; Serial No. 196,503; published Oct. 14, 1924.

Inhalers, Chlorine-gas. U. S. Chlorinhaler Company. 193,437; Dec. 30; Serial No. 202,568; published Oct. 28, 1924.

Mercury-vapor arc lamps. Cooper Hewitt Electric Company. 193,432; Dec. 30; Serial No. 201,392; published Oct. 7, 1924.

CLASS 46.

Apples, Fresh. Central Nelson Association. 193,567; Dec. 30.

Artichokes, Fresh. J. L. Debenedetti. 193,439; Dec. 30; Serial No. 201,287; published Oct. 21, 1924.

Banana surrounded by ice cream and retained in an edible casing. A. Saunders. 193,407; Dec. 30; Serial No. 170,791; published Oct. 21, 1924.

Candy. Henry Heide, Inc. 193,565; Dec. 30; Serial No. 191,484; published Sept. 30, 1924.

Candy. J. G. McDonald Chocolate Company. 193,440; Dec. 30; Serial No. 202,213; published Oct. 21, 1924.

CLASS 50.

Busts. B. H. Thurman. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.

Display apparatus. A. Bernstein. 193,502; Dec. 30; Serial No. 186,213; published Oct. 7, 1924.

Meats, Artificial. F. Lo Galto. 193,412; Dec. 30; Serial No. 200,147; published Oct. 7, 1924.

Waterproof cotton fabrics in the piece. Mid West Sales and Manufacturing Co. 193,422; Dec. 30; Serial No. 200,867; published Oct. 7, 1924.

CLASS 51.

Busts. B. H. Thurman. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.

Display apparatus. A. Bernstein. 193,502; Dec. 30; Serial No. 186,213; published Oct. 7, 1924.

Meats, Artificial. F. Lo Galto. 193,412; Dec. 30; Serial No. 200,147; published Oct. 7, 1924.

Waterproof cotton fabrics in the piece. Mid West Sales and Manufacturing Co. 193,422; Dec. 30; Serial No. 200,867; published Oct. 7, 1924.

CLASS 52.

Busts. B. H. Thurman. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.

Display apparatus. A. Bernstein. 193,502; Dec. 30; Serial No. 186,213; published Oct. 7, 1924.

Meats, Artificial. F. Lo Galto. 193,412; Dec. 30; Serial No. 200,147; published Oct. 7, 1924.

CLASS 53.

Busts. B. H. Thurman. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.

Display apparatus. A. Bernstein. 193,502; Dec. 30; Serial No. 186,213; published Oct. 7, 1924.

Meats, Artificial. F. Lo Galto. 193,412; Dec. 30; Serial No. 200,147; published Oct. 7, 1924.

CLASS 54.

Busts. B. H. Thurman. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.

ALPHABETICAL LIST OF LABELS.

Alotaware. For Ladies', Men's, and Children's Hosiery, Sweaters, and Knitted Underwear. Hosiery Manufacturers Sales Co. 27,994; Dec. 30.
Banana. For a Beverage. Buffalo Beverage Mfg. Co. 27,979; Dec. 30.
Beauty-Glow Combination Creme Powder. For Creme Powder Which Removes Blackheads, Freckles, Pimples, Sunburn, and Tan. Perrex Company. 28,011; Dec. 30.
Bilrite. For Cigars. Kaltreider Cigar Company. 27,996; Dec. 30.
Cherry. For a Beverage. Buffalo Beverage Mfg. Co. 27,982; Dec. 30.
Clairmont air-tite. Eggs. For Eggs. Clairmont Sterilized Egg Co., Inc. 27,987; Dec. 30.
Clenosan. For Purely Vegetable Blood Purifier and Tonic. F. J. Hospital. 27,995; Dec. 30.
Clenco The Magical Cleaner. For Bottles Containing a Cleaning Fluid. M. D. Hirst. 27,992; Dec. 30.
Creme De Menthe. For a Beverage. Buffalo Beverage Mfg. Co. 27,985; Dec. 30.
Crepitalk. For Ladies', Men's, and Children's Hosiery, Sweaters, and Knitted Underwear. Hosiery Manufacturers Sales Co. 27,993; Dec. 30.
Ditzler's Fancy Milk Fed Poultry. For Poultry. R. L. Ditzler. 27,989-90; Dec. 30.
Dr. Young's Chocolate Flavor Malted Milk. For Malted Milk. H. Lavitz. 27,998; Dec. 30.
Ginger Brandy. For a Beverage. Buffalo Beverage Mfg. Co. 27,984; Dec. 30.
Gum Spirits of Turpentine. For Turpentine. H. C. Porter. 28,012; Dec. 30.
High Grade Nipples-Fretz-Made From New Pipe. For Assorted Nipples. S. S. Fretz, Jr. & Co. (Inc.) 27,991; Dec. 30.
Home Made Bread. For Bread. Newark Paraffine & Parchment Paper Co. 28,010; Dec. 30.

Canned corn. Lake Mills Canning Company. 193,461; Dec. 30; Serial No. 198,143; published Aug. 19, 1924.
Canned fruits and vegetables. S. E. Comstock. 193,463; Dec. 30; Serial No. 198,116; published Oct. 21, 1924.
Canned vegetables, olives, mustard, etc. Reliable Grocery Company. 193,416; Dec. 30; Serial No. 199,437; published Oct. 14, 1924.
Grapes, peaches, plums, etc. Fresh. Parlier Fruit Growers Assn. 193,546; Dec. 30; Serial No. 184,680; published Oct. 21, 1924.
Ham, bacon, corned beef, etc. Fischer Meat Co. 193,405; Dec. 30; Serial No. 167,240; published July 29, 1924.
Hams, bacon, and lard. Swift Provision Co. 25,597-8; renewed Dec. 4, 1924.
Macaroni. A. Bologna & Company. 193,425; Dec. 30; Serial No. 200,806; published Oct. 14, 1924.
Malt and hops. Extract of. J. H. Judith. 193,435; Dec. 30; Serial No. 201,704; published Oct. 14, 1924.
Malt extract and sirup. S. Kasser. 193,413; Dec. 30; Serial No. 199,704; published Oct. 14, 1924.
Meat cakes. M. Germain. 193,594; Dec. 30.
Noodles. L. R. Her. 193,557; Dec. 30; Serial No. 196,599; published Oct. 14, 1924.
Nuts, salads, and sandwiches. Reuben's Pure Food Shop, Inc. 193,399; Dec. 30; Serial No. 178,870; published Oct. 14, 1924.
Oatmeal and cereal preparation, full-cream dried milk, etc. Montgomerie and Company Limited. 193,564; Dec. 30; Serial No. 192,851; published Aug. 12, 1924.
Potatoes. Albert Miller & Co. 193,566; Dec. 30; Serial No. 190,025; published Sept. 9, 1924.
Potatoes and fresh vegetables. C. C. Clemmons Produce Co. 193,559; Dec. 30; Serial No. 196,234; published Oct. 21, 1924.
Sandwich spread. Gelfand Manufacturing Co. 193,426; Dec. 30; Serial No. 200,759; published Oct. 14, 1924.
Sausage. Swift and Company. 193,589; Dec. 30.

CLASS 50.

Busts. B. H. Thurman. 193,555; Dec. 30; Serial No. 196,890; published Oct. 14, 1924.
Display apparatus. A. Bernstein. 193,502; Dec. 30; Serial No. 186,213; published Oct. 7, 1924.
Meats, Artificial. F. Lo Galto. 193,412; Dec. 30; Serial No. 200,147; published Oct. 7, 1924.
Waterproof cotton fabrics in the piece. Mid West Sales and Manufacturing Co. 193,422; Dec. 30; Serial No. 200,867; published Oct. 7, 1924.

ALPHABETICAL LIST OF PRINTS.

Cardui. For a Purely Vegetable Remedy or Tonic. Chantanooga Medicine Co. 7,642; Dec. 30.
Casadeo Home Hospitality Carton. For Ginger Ale. Monarch Manufacturing Co. 7,644; Dec. 30.

Lemon Shampoo Window Display. For Preparations for the Hair. A. J. Krank. 7,643; Dec. 30.
"Twin-Trouser" Suits. For Men's Clothing. S. D. Parver. 7,645; Dec. 30.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Cellulose. Eastern Manufacturing Company. 205,158; Dec. 30.
Coal. Easternbrook Coal Company. 205,001; Dec. 30.
Coal. Puritan Tuttle Coal Co. 198,674; Dec. 30.
Coal. Zimmerman Coal Company. 205,461; Dec. 30.
Ironing-roll padding. Tlingue, Brown & Co. 204,209; Dec. 30.
Leathers. Gutmann & Company. 203,949; Dec. 30.
Seeds. Cucumber. I. N. Simon and Son. 203,697; Dec. 30.

CLASS 2.

Cans for shipping milk. Chalfant Can Company. 200,181; Dec. 30.

CLASS 4.

Belt dressing and wax impregnating compound. Cantol Wax Company. 185,241; Dec. 30.
Chemical compound for cleaning glassware, etc. Dif Corporation. 204,227; Dec. 30.
Cleaning compound. A. Wienand, Jr. 203,992; Dec. 30.
Cleaning compounds. Sanitary. Kloro Klenz Co. 203,632; Dec. 30.
Cleaning fabrics and removing tar. Composition for. Nucto Cleaner Corp. 163,941; Dec. 30.
Cleaning preparation. Household. G. G. White. 203,658; Dec. 30.
Cleaning textile fabrics and the like. Composition for. Nucto Cleaner Corporation. 163,940; Dec. 30.
Compounds of oils and other solvents with nitrated cotton used in dressing leather. Miner-Edgar Company. 186,662; Dec. 30.
Soap. Fitzpatrick Brothers. 203,462; Dec. 30.
Soaps. Société Worth. 196,984; Dec. 30.
Sweeping compound. Jno. C. F. Snyder & Sons. 203,541; Dec. 30.
Washing fluid. Clothes. J. Gentile. 204,313; Dec. 30.

CLASS 5.

Adhesive paste. American Crayon Co. 204,491; Dec. 30.

CLASS 6.

Antiseptic. Better Health Company. 205,580; Dec. 30.
Antiseptic and deodorant. Patton Bros. Drug Co. 205,707; Dec. 30.
Antiseptic and hypotonic solutions. S. W. Leidich. 204,613; Dec. 30.
Antiseptic powder. L. W. Bacon, Jr. 205,579; Dec. 30.
Antiseptics, germicides, and bactericides. Hynson, Westcott & Dunning. 205,069; Dec. 30.
Antiseptics, germicides, and bactericides. Hynson, Westcott & Dunning. 205,336; Dec. 30.
Casein plastic. Karolth Corporation. 204,711; Dec. 30.
Cathartic or physic. Liquid. Reward Chemical Company. 196,478; Dec. 30.
Cleaning compounds and water softeners. Boiler. Flox Co. 205,270; Dec. 30.
Cough drops. G. A. Voss, Jr. 198,272; Dec. 30.
Cream. Face. Big 4 Mfg. Co. 197,357; Dec. 30.
Cream. Liquid toilet powder, compact powders, and rouges. Face. T. & O. 204,336; Dec. 30.
Cream. talc, face powders, bath salts, etc. Skin and tissue. Richard Hudnut. 201,751; Dec. 30.
Creams and powders, perfumes, talcum powder, etc. Toilet. O'fal Manufacturing Company. 205,653; Dec. 30.
Depilatories. Vi-Vola Laboratories. 205,575; Dec. 30.
Dialyzed extract of fresh digitalis leaves. Ernst Bischoff Co. 204,693; Dec. 30.
Dyestuffs. Chemical Company of America, Inc. 205,194; Dec. 30.
Dyestuffs. Fred Fear & Co. 204,444; Dec. 30.
Hair dressing and combing preparation. Kimball Brothers & Company. 204,414; Dec. 30.
Insect exterminator. M. Robins. 179,225; Dec. 30.
Insecticides. Interstate Chemical Co. 205,643; Dec. 30.
Iodine. Materials containing. U. S. Industrial Chemical Co. 203,986-7; Dec. 30.
Laxative. Mineral water, Compounded. R. L. Obarr. 172,343; Dec. 30.
Lotion. Hand. E. A. Vaughan Company. 204,642; Dec. 30.
Medical preparation used in the treatment of bladder trouble. Wolovoy Sisters. 201,871; Dec. 30.
Medicinal compound. Davis-Johnson Co. 186,949-50; Dec. 30.
Medicinal compound. Lambert Pharmacal Company. 205,537; Dec. 30.
Medicinal preparation. L. Lafay. 200,822; Dec. 30.
Medicinal preparation of bismuth. Boat's Pure Drug Co. 205,466; Dec. 30.
Medicinal tea constituting a blood tonic. M. M. Simanovich. 186,297; Dec. 30.

Medicine. Organ-Iron Laboratories. 204,667; Dec. 30.
Mouth wash. Deodorant. Butts Mfg. Co. 205,109; Dec. 30.
Pastes and powders and perfumery. Parfumerie Roger & Gallet. 193,119; Dec. 30.
Perfume. toilet water, vegetal, etc. Cheramy, Inc. 205,686; Dec. 30.
Perfumes, essential oils, and odoriferous chemical compounds. Edward T. Belser Company. 204,888; Dec. 30.
Perfumes, toilet water, face powder, etc. Société Anonyme es Dentifrices du Docteur Pierre. 204,636; Dec. 30.
Plaster for healing boils, etc. Sponberg & Rudellus. 199,654; Dec. 30.
Powder and rouge. Face. Colgate & Company. 204,702; Dec. 30.
Powder, etc. Antiseptic. Woman's Hygienic Institute, Inc. 204,341; Dec. 30.
Powder, toilet and cold creams, etc. Face. A. J. Krank Manufacturing Co. 173,430; Dec. 30.
Powders for headaches, neuralgia, etc. T. H. Wilkins. 204,212; Dec. 30.
Powders, perfumes, etc. Face. M. J. Raffy. 204,472; Dec. 30.
Preparation for canine distemper, tonic, emulsion, etc. Remeslin Products Co. 204,329-30; Dec. 30.
Preparation for the treatment of gonorrhea. Liquid. L. L. Harding. 196,245; Dec. 30.
Preparation for the treatment of the stomach, bowels, etc. McGregor Chemical Co. 197,612; Dec. 30.
Preparations for shampoo and massage and treatment of the scalp, hair, and face, and toilet waters. Wiley Dandruff Remover Co. 189,085; Dec. 30.
Remedy for treatment of diseases of the blood. Guardias Ointment Company. 200,043; Dec. 30.
Remedy to relieve catarrh, insect bites, etc. Encoe & Encoe Menthol Company. 205,053; Dec. 30.
Rubbing compound and vaporizing treatment for colds, pains, etc. Kimball Brothers & Company. 204,413; Dec. 30.
Salt, coloring for foods, laundry bluing, etc. Table. John Sexton and Company. 187,775; Dec. 30.
Shampoos, hair tonic, cold cream, etc. Lotus Bud Company. 203,582; Dec. 30.
Tablets for nervousness and headaches. H. G. Knoll & Co. 204,235; Dec. 30.
Tonics. Series of. Otis Clapp & Son, Inc. 200,860; Dec. 30.
Tooth paste. Hall Van Gorder Company. 205,412; Dec. 30.
Weight-reducing preparation. R. Lucas. 203,476; Dec. 30.
Witch-hazel, bronchial troches, coconut-oil shampoo, etc. Owl Drug Company. 201,097; Dec. 30.
Wood preservatives. W. P. Fuller & Co. 205,523; Dec. 30.

CLASS 8.

Cigarette papers, holders, and mouthpieces. Société Anonyme des Papiers Abadie. 201,906; Dec. 30.
Pipes and cigar and cigarette holders. Smoking. J. I. Le Bel. 189,630; Dec. 30.

CLASS 9.

Ammunition. Remington Arms Company. 204,475; Dec. 30.

CLASS 10.

Fertilizer. McCallum Company. 205,609; Dec. 30.

CLASS 11.

Inks. Writing. G. L. Uman. 202,724; Dec. 30.

CLASS 12.

Chemical compounds and hygroscopic materials. Dow Chemical Company. 202,006; Dec. 30.
Pavements and paving blocks. Laid. National Pavements Corporation. 205,217; Dec. 30.
Plaster. Asbestos Limited. 205,100; Dec. 30.
Plastering material. Finish-coat. Ash Grove Lime and Portland Cement Company. 203,709; Dec. 30.
Roofing. Prepared. John Sexton and Company. 187,900; Dec. 30.
Stucco and wall plaster. United States Gypsum Company. 204,576; Dec. 30.
Tile, Building. J. A. O'Donnell. 204,625; Dec. 30.

CLASS 13.

Cards, signs, etc. Advertising holders for. F. S. Nelson. 202,353; Dec. 30.
Coffeepots. R. Chauveau. 205,110; Dec. 30.
Comblers. Hose. C. B. Hunt & Son. 204,913; Dec. 30.
Nail expansion, nail fasteners, and nail anchors. Diamond Expansion Bolt Co. 204,761-2; Dec. 30.

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Pipe valves, unions, etc. John Simmons Co. 203,148; Dec. 30.
Valves and fire hydrants, Gate. Darling Valve & Manufacturing Company. 203,791; Dec. 30.

CLASS 14.

Iron. Pig. Robeson Iron Company. 205,551; Dec. 30.

CLASS 15.

Oils and greases, Lubricating. Riverside Chemical Company. 204,570; Dec. 30.
Oils, Cutting and motor. G. W. Richards. 204,629; Dec. 30.
Oils, green lubricants, cup grease, etc. Lubricating and stock blend. White Star Oil Company. 199,914; Dec. 30.
Oils, Motor. American Mineral Spirits Co. 203,660; Dec. 30.
Paints, paint enamels, japans, varnishes, stains, and fillers. Sherwin-Williams Company. 200,584; Dec. 30.
Preparations for preventing rust. L. F. Lyne, Jr. 186,846; Dec. 30.

CLASS 16.

Bronzing liquid. Plaque Art Company. 204,190; Dec. 30.
Oil. Pigot, Sayre Company. 204,520; Dec. 30.
Paint, Paste. John Lucas & Co. 204,104; Dec. 30.
Paints, Mixed. R. H. Oakley. 200,636; Dec. 30.
Paints, putty, and varnishes. Wm. Cameron & Co. 151,355; Dec. 30.
Polish, Floor and automobile. Nuway Mfg. Co. 204,110; Dec. 30.
Polish, Furniture. H & H Chemical Company. 204,167; Dec. 30.
Polishes, Automobile body and furniture. G. H. Irvine. 203,822; Dec. 30.
Preparations for cleaning, polishing, and improving furniture, pianos, etc. G. T. Wilson. 185,278; Dec. 30.
Wax compositions for polishing furniture, etc. Windsor Wax Company. 197,463; Dec. 30.

CLASS 17.

Cigarettes. Marcovitch & Co. 204,559; Dec. 30.
Cigars, cigarettes, and smoking tobacco. Lincoln & Ulmer. 205,538; Dec. 30.
Tobacco and snuff. Smoking and chewing. MacLin-Zimmer-McGill Tobacco Co. 205,169; Dec. 30.
Tobacco products. Valentin Blatz Brewing Company. 205,387; Dec. 30.

CLASS 19.

Automobile bumpers, trunk racks, and luggage carriers, and metal covers. Auto Sheet Metal Works. 199,741; Dec. 30.
Automobile passenger busses. American Motor Body Corporation. 203,928; Dec. 30.

CLASS 20.

Oiled cloth. Columbus-Union Oil Cloth Co. 205,197-9; Dec. 30.

CLASS 21.

Battery plates or elements. Electric Storage Battery Company. 203,169; Dec. 30.
Current rectifiers. Apco Manufacturing Company. 204,580; Dec. 30.
Electric wires and devices to which electricity is to be supplied. Plugs for completing the connection between. Bersted Manufacturing Company. 185,951; Dec. 30.
Heater of the reflector type. Electric air. Rutenber Electric Company. 202,787; Dec. 30.
Lamps, Electric. Buschman Weissberg & Co. 203,297; Dec. 30.
Lamps, Electric. Jefferson Company. 202,506; Dec. 30.
Light-switch extensions. F. O. Carlson. 204,657; Dec. 30.
Loud speakers and amplifying horns. Herbert H. Frost, Incorporated. 202,865; Dec. 30.
Loud speakers or microphones, Electrical. Rola Company. 194,125; Dec. 30.
Radio loud speakers. Claravox Company. 198,224; Dec. 30.
Radio receiving, detecting, and amplifying apparatus and parts thereof. Coto-Coil Co. 196,651; Dec. 30.
Radio receiving sets and parts. Ion Radio Corporation. 204,557; Dec. 30.
Radio supplies and wireless equipment. A. S. Hecht. 202,665; Dec. 30.
Radio transmitting and receiving sets and parts thereof. A. R. Silver. 203,010; Dec. 30.
Switches, Automatic. Domestic Electric Company. 176,015; Dec. 30.

CLASS 22.

Fishing rods and reels. Montague City Rod Co. 203,135; Dec. 30.
Golf balls. Hillerich & Bradshy Co. 205,479; Dec. 30.
Golf balls, clubs, and bags. L. M. Tharp. 201,986; Dec. 30.
Golf clubs. A. J. Reach Company. 204,671-4; Dec. 30.
Tennis balls. Hungarian Rubber Goods Factory Limited. 205,601; Dec. 30.

CLASS 23.

Chucks. O. Selfert. 187,139; Dec. 30.
Engines and motors and parts thereof, Internal-combustion. Cleveland Automobile Company. 203,023; Dec. 30.
Engines and parts thereof, Internal-combustion. New Jersey Motors, Inc. 197,164; Dec. 30.
Engines and parts thereof, Marine. Elito Outboard Motor Company. 202,103; Dec. 30.
Jacks. R. W. Floyd. 198,514; Dec. 30.
Mower blades, Lawn. J. Kimbro. 197,154; Dec. 30.
Packers, limit plugs, new-style common swabs, swab parts, etc. Robinson Packer Company. 190,938; Dec. 30.
Pumps for internal-combustion-engine cooling systems. Water. F. A. B. Manufacturing Co. 193,810; Dec. 30.

CLASS 26.

Cameras of all types, etc. Ica. Aktiengesellschaft. 166,075; Dec. 30.
Cinematograph projectors and parts thereof. E. L. Syndicate, Limited. 202,332; Dec. 30.
Films and transfer positives. Actinic Process Corporation. 204,947; Dec. 30.
Hydrometer, Syringe. Scranton Glass Instrument Company. 204,281; Dec. 30.

CLASS 28.

Chains for personal wear. General Chain Company. 203,674; Dec. 30.
Jewelry. Olsen & Ebbann. 202,884; Dec. 30.
Jewelry. G. E. Studdy. 204,126; Dec. 30.
Rings, bracelets, etc. Finger. Katz & Ogush, Inc. 203,420; Dec. 30.
Silver-plated ware, Flat and hollow table and toilet. H. Lerner. 188,562; Dec. 30.

CLASS 29.

Brushes, brooms, mops, and dusters. Detroit Quality Brush Mfg. Co. 202,744; Dec. 30.
Hairbrushes, clothes brushes, and toothbrushes. Art Ivory Manufacturing Co. 204,647; Dec. 30.

CLASS 32.

Beds, springs, and box springs. Premier Bed and Spring Co. 188,927; Dec. 30.
Racks, Advertising and literature. C. Wood. 202,732; Dec. 30.
Tables, Heatproof. Johnson Company. 202,211; Dec. 30.

CLASS 34.

Furnaces and heaters. Fox Furnace Company. 200,142; Dec. 30.
Ranges. Birmingham Stove & Range Co. 198,698; Dec. 30.

CLASS 35.

Belts and belting, Leather. Alexander Brothers. 202,687; Dec. 30.
Piston rings. Ohio Hammered Piston Ring Company. 204,370; Dec. 30.
Pumps, Rubber diaphragms for. Ralph B. Carter Company. 203,222; Dec. 30.

CLASS 36.

Harmonicas, Mouth. M. Hohner, Inc. 203,313; Dec. 30.
Phonograph styl. Jewel Phonoparts Company. 187,315; Dec. 30.
Zithers. Oscar Schmidt Inc. 203,650; Dec. 30.

CLASS 37.

Paper, Wall. Prager Co. 198,963; Dec. 30.
Paper weights. A. J. Jensen. 197,279; Dec. 30.
Papers, Book, cover, and catalogue. Bergstrom Paper Company. 189,961; Dec. 30.
Pens, Fountain. Century Pen Company. 197,800; Dec. 30.
Wax paper sheets. Tussey-Burns Co. 190,524; Dec. 30.

CLASS 38.

Blue prints, negative prints, etc. Technical Supply Corporation of Chicago. 203,700; Dec. 30.
Books of tables. Meyerhoff & Kaplan. 203,480; Dec. 30.
Books, Printed. H. J. Pelstring. 192,637; Dec. 30.
Cards and calendars, Engraved greeting. King Card Company. 201,351; Dec. 30.
Cartoons, Title for. P. L. Crosby. 204,090; Dec. 30.
Magazine, Monthly. Athlete and Sportsman Company. 203,781; Dec. 30.
Magazine, Monthly. Miller Publishing Company. 204,717; Dec. 30.
Magazine, Monthly. New Metropolitan Fiction, Inc. 204,470; Dec. 30.
Magazine, Weekly. Miller Publishing Company. 204,716; Dec. 30.
Newspaper. Macfadden Newspaper Publishing Corporation. 202,909; Dec. 30.
Periodical. Geo. A. Hormel & Co. 202,779; Dec. 30.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Publication. S. S. Pierce Co. 202,757; Dec. 30.
Publication. Monthly. J. G. Munsell. 203,281; Dec. 30.

CLASS 39.

Apparel, Knitted wearing. Union Knitwear Service, Inc. 203,849; Dec. 30.
Boots and shoes. Carlisle Shoe Company. 204,156; Dec. 30.
Caps for men. B. A. Miller. 200,368; Dec. 30.
Caps, shirts, pants, etc., Boys'. Gotham Novelty Co. 168,964; Dec. 30.
Clothing. Cambridge Rubber Company. 204,656; Dec. 30.
Clothing. Alfred Decker & Cohn. 201,127; Dec. 30.
Clothing. Plant Jr.-Wear Company. 204,048; Dec. 30.
Coats and suits, Ladies'. Schenker, Michel & Weinstock, Inc. 203,488; Dec. 30.
Corsets. George C. Batcheller & Co. 187,502; Dec. 30.
Corsets and corset wasts. Nu Bone Corset Company. 186,196; Dec. 30.
Corsets, brassieres, and corset and brassiere elastics. James R. Kendrick Co. 186,648; Dec. 30.
Dresses. Filmax Dress Co. 204,020; Dec. 30.
Dresses. Mazie Dress Co. 190,293; Dec. 30.
Dresses. H. & L. Sacks. 203,752; Dec. 30.
Dresses, coats, suits, underwear, etc. M. Gerla & Son. 201,028; Dec. 30.
Garments and undergarments. Outer. Willh. Bleye, G. m. b. H. 203,499; Dec. 30.
Hats, Ladies'. Pope-Maloney Millinery Company. 203,202; Dec. 30.
Heels, Rubber. Evernu Rubber Heel Corporation. 197,265; Dec. 30.
Hose supporters or garters. American Wholesale Corporation (Baltimore Bargain House). 182,697; Dec. 30.
Hosiery. Lincoln Hosiery Corporation. 202,097; Dec. 30.
Hosiery. New Haven Silk Hosiery Company. 201,407; Dec. 30.
Hosiery, boots, shoes, etc. E. B. Quillensh. 197,046; Dec. 30.
Hosiery, Ladies'. R. M. Watkins. 204,075; Dec. 30.
Neckties, scarfs, wash dresses, etc. Kaufmann Department Stores, Inc. 159,155; Dec. 30.
Overalls, jumpers, trousers, etc. Service Garment Company. 203,757; Dec. 30.
Pads, Knee. A. B. Tomlinson. 201,939; Dec. 30.
Pants and coats, Work. Carr Clothing Company. 201,834; Dec. 30.
Robes and suits, women's dresses and robes, etc., Men's. Armistead & Company. 198,393; Dec. 30.
Shirts, Work. Salant & Salant Inc. 197,772; Dec. 30.
Shoes. Degen-Lipp, Inc. 204,309; Dec. 30.
Shoes. L. Mannheim. 200,569; Dec. 30.
Shoes. P. J. Monaghan. 204,564; Dec. 30.
Shoes, Leather. Menihan Company. 189,256-7; Dec. 30.
Soles and linings for helmets and hats. Shoe. Sorbo Rubber-Sponge Products Ltd. 137,554; Dec. 30.
Suits and overcoats. C. Schaeffer. 202,680; Dec. 30.
Suits, coats, dresses, etc., Ladies'. Fishgall's Inc. 199,935; Dec. 30.
Suits, dresses, coats, and gloves. Unique Cleaners and Dyers. 199,136; Dec. 30.
Suits, Men's. Hickey-Freeman Company. 203,176; Dec. 30.
Suits, overcoats, trousers, vests, and coats. Sampeck Clothes Inc. 204,477; Dec. 30.
Sweaters, dresses, belts, etc. Knitwear Promoters, Inc. 202,631; Dec. 30.
Sweaters, vests, slip-overs, etc., Men's and boys'. Vandewort Company. 202,311; Dec. 30.
Trousers, suits, odd vests, and reefers. Lawrence Webster Co. 192,025; Dec. 30.
Underwear. Winget Kickernick Co. 184,276; Dec. 30.
Underwear, Knit. Onelta Knitting Mills. 199,015; Dec. 30.
Underwear, Ladies'. French Maid Undergarment Co. 203,729; Dec. 30.

CLASS 40.

Combs. Fuller Brush Company. 203,411; Dec. 30.
Combs, Hard-rubber. American Hard Rubber Company. 204,145-51; Dec. 30.
Hair goods, Imitation-. House of A. Blatt Inc. 205,010; Dec. 30.
Lacings, Shoe. Ansonia O & C Company. 205,260; Dec. 30.
Pins, safety pins, hooks and eyes, etc. William Prym Company. 169,868; Dec. 30.
Wigs and transformations. J. Schaeffer, Inc. 204,935; Dec. 30.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 200,653; Dec. 30.
Awning stripes and ticking. John Boyle & Company. 200,655; Dec. 30.
Awning stripes and ticking. John Boyle & Company. 200,660; Dec. 30.
Cotton piece goods. American Printing Company. 204,431; Dec. 30.
Denims, Cotton. E. V. Benjamin Company. 204,649; Dec. 30.

Handkerchiefs. Geo. T. Ide & Co. 201,452; Dec. 30.
Hollands, Window. Wm. O'Hanlon & Co. Ltd. 200,369; Dec. 30.
Napkins, Table. Patricia Mills, Inc. 192,033; Dec. 30.
Rugs. Kilmark Rug Company. 201,964; Dec. 30.
Rugs, Textile. Firth Carpet Company. 204,704; Dec. 30.
Satins in the piece. Pen-I-Sauken Silk Mill. 204,246; Dec. 30.
Shirtings, Silk-stripe. Cohn Hall Marx Co. 202,581; Dec. 30.
Silk or silk with schapp filling. Piece goods of tub-. Ellen Silk Mills, Inc. 191,763; Dec. 30.
Wool and mixtures thereof in the piece. Cohen, Friedlander & Martin Co. 195,865; Dec. 30.
Wool, cotton, silk, and mixtures piece goods. Societe Rodler. 204,797; Dec. 30.

CLASS 43.

Yarns, Knitting. Amazon Cotton Mills. 204,387; Dec. 30.

CLASS 44.

Bandages. Johnson & Johnson. 204,511; Dec. 30.
Dental crowns and bridges. Central Dental Laboratory Co. 202,326; Dec. 30.
Nose swabs. H. T. Forbis. 204,592; Dec. 30.
Syringes, Fountain. Woman's Hygiene Institute, Inc. 204,340; Dec. 30.
Teeth, Artificial. S. S. White Dental Manufacturing Company. 204,293; Dec. 30.
Urine conductor. T. Behan. 204,436; Dec. 30.

CLASS 45.

Juice, sirup of fruits, essences for preparing beverages. O. Itelchel. 205,296; Dec. 30.

CLASS 46.

Apples, Fresh. E. C. Sampson. 205,232; Dec. 30.
Buttermilk, Concentrated. Consolidated Products Co. 197,258; Dec. 30.
Candy. Folly Town Company. 196,452; Dec. 30.
Candy. James A. Hearn & Son Inc. 205,298; Dec. 30.
Candy. Lotus Chocolate Cream Co. 204,617; Dec. 30.
Candy. Frank G. Shattuck Company. 205,367; Dec. 30.
Candy and chewing gum. Listered Gum Corporation. 204,320; Dec. 30.
Candy and chocolates. Gold Brand Confectionery Inc. 203,947; Dec. 30.
Candy bars. G. Grammas. 203,266; Dec. 30.
Canned fruits and vegetables. D. Di Flore Canning Co. 205,320; Dec. 30.
Canned fruits and vegetables, dried fruits, and fresh deciduous fruits. Greenwood & Company. 205,330; Dec. 30.
Canned good. Northern New York Grocery Co. 203,324; Dec. 30.
Canned goods, coffee, tapioca, cornstarch. Plee Zing Corporation. 203,144; Dec. 30.
Canned shrimp and oysters. C. B. Foster Packing Co. 203,463; Dec. 30.
Canned tomatoes. Utah Canning Company. 203,496; Dec. 30.
Canned vegetables. H. C. Draper. 202,331; Dec. 30.
Canned vegetables. Twin Peaks Canning Co. 203,495; Dec. 30.
Cantaloupes, Fresh. J. Kelly. 201,350; Dec. 30.
Chocolate. Suchard S. A. 198,095; Dec. 30.
Chocolate, caramel, and peanut candy bar. Milk. J. D. Roszell Company. 200,899; Dec. 30.
Chocolate, Eating. Joh. Gottl. Hauswaldt. 192,254; Dec. 30.
Coffee. Palmetto Coffee Company. 203,865; Dec. 30.
Fats and oils, Eatable. De Nordiske Fabrikker De-No-Ea Aftieselskab. 157,307; Dec. 30.
Flavoring extracts, fruit sirups, malted skim milk, and preserved nuts. Allied Fruit & Extract Co. 184,431; Dec. 30.
Foods, fresh lemons and oranges, dried figs, etc. Poultry, etc. C. C. Collins Company. 198,731; Dec. 30.
Gelatin dessert preparation. Edward W. Brown Company. 185,002; Dec. 30.
Grapes, Fresh. Mayflower Fruit Association. 201,813; Dec. 30.
Ice cream. National Ice Cream Company. 205,023; Dec. 30.
Nuts, Roasted pistachio. Zaloom Brothers Company. 205,187; Dec. 30.
Pastry puff filled with ice cream. Henry Pfafe & Mike Kostoglan. 194,077; Dec. 30.
Pop corn, Candied. P. Franke. 203,264; Dec. 30.
Raisins and fruits, Dried. Sun-Maid Raisin Growers of California. 196,774; Dec. 30.
Raisins, Dried. Sun-Maid Raisin Growers of California. 203,286; Dec. 30.
Salad dressing. Henard Mayonnaise Company. 203,568; Dec. 30.
Sirup, Malt. J. Sklenicka. 202,900; Dec. 30.
Tomatoes. H. W. Burch. 204,582; Dec. 30.
Vinegar, pickles, catchup, etc. Altschuler Brothers & Company. 204,386; Dec. 30.
Yeast. Home Yeast Company. 199,700; Dec. 30.

ALPHABETICAL LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (In accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, William J., et al. (See Remus, William F., assignor.)
Achterkirch, William C., Ogilvie, and E. B. Marsh, Anoka, Minn. Bulletin board. 1,521,167; Dec. 30.
Aetlon Gesellschaft für Anilin Fabrikation. (See Becker, O., and Ollendorff, assignors.)
Adair, Thomas D., Jr., Dorchester, assignor, by mesne assignments, to L. L. Elden and D. S. Boyden, Brookline, Mass. Overload-indicating apparatus for transformers. 1,521,144; Dec. 30.
Adair, Thomas D., Jr., Dorchester, assignor, by mesne assignments, to L. L. Elden, Brookline, and D. S. Boyden, Boston, Mass. Overload-indicating apparatus for transformers. 1,521,145; Dec. 30.
Adams, Frank D., Bellwood, Nebr. Power-driven colter. 1,520,741; Dec. 30.
Adler Engineering Company. (See Cohen, Milton, assignor.)
Aikens, Thomas N. (See Arnt, H. P., and Aikens.)
Air-Lite Auto Top Company. (See Pollard, Willard L., assignor.)
Air Reduction Company. (See Van Nuys, Claude C., assignor.)
Ajax Rubber Company. (See Holtz, Frederic M., assignor.)
Aktiebolaget Ljungströms Ångturbin. (See Ljungström, Fredrik, assignor.)
Albany Paper Mill Machinery Company. (See Crandell, Willis S., assignor.)
Aldeen, Gedor W., assignor to National Lock Co., Rockford, Ill. Shaving and slotting machine. 1,520,684; Dec. 30.
Allen, Charles A., Grand Rapids, Mich. Lathe rest. 1,521,146; Dec. 30.
Allen, Charles H., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor. 1,521,211; Dec. 30.
Allen, Harvie, Anniston, Ala. Receptacle moving and dumping apparatus. 1,521,413; Dec. 30.
Allen, William, Overbrook, Kans. Funnel. 1,521,212; Dec. 30.
Allyne-Zerk Company, The. (See Zerk, Oscar, assignor.)
Altshul, Milton P., assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio. Envelope. 1,520,685; Dec. 30.
Ambruster, Cornelius, Roslyn, Pa. Opposing the discharge of acid-laden air. 1,521,348; Dec. 30.
American Briquet Company. (See Parker, Alexis D., assignor.)
American Cast Iron Pipe Company. (See Stevens, Fred, assignor.)
American Dresser Tunnel Kilns, Inc. (See Dresser, Philip D'H., assignor.)
American Dresser Tunnel Kilns, Inc. (See Robertson, Harry M., assignor.)
American Shoe Machinery and Tool Company. (See Krag, Harry W., assignor.)
American Steel Foundries. (See Whitney, Loren L., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Young, Rowland L., assignor.)
Amico, Charles. (See Stella, Pasquale, assignor.)
Anaconda Sales Company. (See Robinson, Thomas, assignor.)
Anderson, Andrew B., assignor of one-half to J. Sandusky, Des Moines, Iowa. Double saw set. 1,521,063; Dec. 30.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, David A., assignor to Faribault Machine Shop & Foundry Co., Faribault, Minn. Driving tool. 1,521,265; Dec. 30.
Anderson, MacGregor S. (See Pulls, O. B., and Anderson.)
Andler, William, Chicago, Ill. Door construction. 1,520,686; Dec. 30.
Andrews Crane Corporation. (See Andrews, Donald S., assignor.)
Andrews, Donald S., assignor to Andrews Crane Corporation, Cleveland, Ohio. Ship loading and unloading system. 1,521,266; Dec. 30.
Andrews, Lawrence W., Kansas City, Mo. Oil pump. 1,521,267; Dec. 30.
Arale, Joseph, et al. (See Goldstein, B., and Mastrarrigo, assignors.)

Arcaro, Harry G., Pittsburgh, Pa. Wash baskets. 1,521,414; Dec. 30.
Arista Manufacturing Company. (See Christmas, William W., assignor.)
Armstrong, Claude E., Princeton, W. Va. Merry-go-round. 1,521,498; Dec. 30.
Arnold, Harold D., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge amplifier. 1,520,994; Dec. 30.
Arnt, Herald P., and T. N. Aikens, Lakewood, Ohio. Die. 1,520,921; Dec. 30.
Arsenault, John O., Detroit, Mich. Screw driver. 1,521,268; Dec. 30.
Asam Brothers, Incorporation. (See Asam, Charles L., assignor.)
Asam, Charles L., assignor to Asam Brothers, Incorporation, Philadelphia, Pa. Bookbinding. 1,521,587; Dec. 30.
Ashbaugh, John H. (See Bradshaw, W. M., and Ashbaugh.)
Atkinson, John R., and H. Gearing, Los Angeles, Calif., assignors to said Atkinson. Machine for making stereotype plates for printing for the blind. 1,521,415; Dec. 30.
Atlantic Refining Company, The. (See Johansen, Ernst M., assignor.)
Automatic Electric Company. (See Wicks, John, assignor.)
Auto Turn Company. (See Iseman, Richard B., assignor.)
Avedon, William C., New York, N. Y. Closure for garments and other purposes. 1,520,687; Dec. 30.
Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Drier. 1,521,416; Dec. 30.
Bailey, Edwin W. M., Amesbury, Mass. Window guide. 1,521,158; Dec. 30.
Bain, Wilson C., and F. P. Pitman, Wichita Falls, Tex. Recording an address. 1,521,417; Dec. 30.
Baker, Abner D., Swanton, Ohio. Roller-pressure control. 1,520,922; Dec. 30.
Baker, Paul H., Bluffton, Ind. Combined bottle stopper and pouring spout. 1,520,845; Dec. 30.
Baker, Stephen D., New York, N. Y. Bathroom fixture. Des. 66,315; Dec. 30.
Baker, Stephen D., New York, N. Y. Bathroom bracket or hook. Des. 66,316; Dec. 30.
Baker, Stephen D., New York, N. Y. Bathroom shelf or receptacle. Des. 66,317; Dec. 30.
Baker, Stephen D., New York, N. Y. Grab rail or similar article. Des. 66,318; Dec. 30.
Baker, Stephen D., New York, N. Y. Bathroom paper holder. Des. 66,319; Dec. 30.
Baker, Stephen D., New York, N. Y. Bracket for bathroom fixtures. Des. 66,320; Dec. 30.
Baldwin, James M., deceased, Brownville, N. Y.; M. R. Baldwin, administratrix. Steam drier. 1,520,923; Dec. 30.
Baldwin, James P., Los Angeles, Calif. Sliding clutch. 1,521,588; Dec. 30.
Baldwin, James P., Los Angeles, Calif. Shock absorber. 1,521,589; Dec. 30.
Baldwin, Mary R., administratrix. (See Baldwin, James M.)
Baldwin, William S., Houston, Tex. Insecticide. 1,520,924; Dec. 30.
Ball, Albert, Claremont, N. H., assignor to Sullivan Machinery Company. Channeling machine. 1,520,995; Dec. 30.
Ball, Charles O., assignor to Yellow Coach Manufacturing Company, Chicago, Ill. Motor vehicle. 1,521,064; Dec. 30.
Ball, John R., Durango, Colo. Ball mill. 1,521,418; Dec. 30.
Banker's Specialty Corporation. (See Story, David G., assignor.)
Barr, Jean. (See Walker, Otto, assignor.)
Barker, William M., Canton, Ohio. Lining for ball mills. 1,521,169; Dec. 30.
Barks, Frank S., and G. B. Bell, Jr., assignors to Lincoln Steel and Forge Company, St. Louis, Mo. Journal box for mine-car wheels. 1,520,688; Dec. 30.
Barmé, Friedrich, Elberfeld, and F. Mahner, Nierenhof, near Langenberg, Germany. Apparatus for manufacturing metal sheets and strips. 1,521,065; Dec. 30.

Barnes, Frederick A., Cleveland, Ohio, assignor to The Foote-Burt Company. Washing and wringing machine. 1,520,898; Dec. 30.

Barnes, Frederick A., Cleveland, Heights, Ohio, assignor to The Foote-Burt Company. Clothes wringer. 1,520,899; Dec. 30.

Barr, Lester S., Washington, D. C. Syringe. 1,520,795; Dec. 30.

Barritt, John R., Pacific Grove, Calif. Combined buffet and table. 1,521,499; Dec. 30.

Barrows, Donald S., Rochester, assignor to The T. H. Symington Company, New York, N. Y. Draft rigging. 1,521,419; Dec. 30.

Barry, William M., and E. H. Becker, Mexia, Tex. Jack stand. 1,520,846; Dec. 30.

Bartholomew, James H., and R. H. Boardman, assignors to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Electric switch. 1,520,847; Dec. 30.

Bartling, Howard G., Chicago, Ill. Spray cabinet. 1,520,796; Dec. 30.

Baruch, Sydney N., New York, N. Y. Fixed and variable grid leak. 1,521,213; Dec. 30.

Basman, Anthony M., Detroit, Mich. Ventilator. 1,520,742; Dec. 30.

Bassan, Mordecai, Brooklyn, N. Y. Automatic toy. 1,521,224; Dec. 30.

Bast, Joseph H., Santa Monica, Calif. Metal feeder for linotype machines. 1,521,349; Dec. 30.

Bastin, Arthur J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Container and molding the same. 1,520,996; Dec. 30.

Bates, Adolmer M., and J. E. Dancker, assignors to Bates Valve Bag Company, Chicago, Ill. Packaging process. 1,521,225; Dec. 30.

Bates, Clarence A. (See Fuhs, E., and Bates.)

Bates, Harry, New York, assignor, by mesne assignments, to Rochester Industries, Inc., Rochester, N. Y. Type-writer. 1,521,214; Dec. 30.

Bates Valve Bag Company. (See Bates, A. M., and Dancker, assignors.)

Batie, Joseph E., assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Riveting machine. 1,521,066; Dec. 30.

Bausch and Lomb Optical Company. (See Stevens, Frederick A., assignor.)

Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Safety switch box. 1,520,907; Dec. 30.

Beach, Willard C., Newark, N. J. Combined paint-spraying apparatus and tank. 1,520,998; Dec. 30.

Bean, Grace L., Washington, D. C. Camera. 1,521,067; Dec. 30.

Beasley, Stanley F., Kansas City, Kans. Brake-lever bracket and guide. 1,520,797; Dec. 30.

Beaton & Cadwell Manufacturing Company, The. (See Burns, Edward P., assignor.)

Becker, Edmond H. (See Barry, W. M., and Becker.)

Becker, Oskar, Berlin-Treptow, and G. Ollendorff, Berlin-Wilmersdorf, assignors to Actien Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Film case. 1,521,500; Dec. 30.

Beckert, Wallace G., Cornapolis, Pa. Hot-water regulator. 1,520,848; Dec. 30.

Bedaux, Charles E., Cleveland, Ohio. Game apparatus. 1,520,743; Dec. 30.

Bebe, Thompson G., Harbor Springs, Mich. Doll house. 1,521,420; Dec. 30.

Beehler Steel Products Company. (See Simon, Maurice, assignor.)

Beeselman, John F., assignor of one-half to E. G. Rasheta, East Chicago, Ind. Automatic train-stopping device. 1,520,798; Dec. 30.

Behm, Jack. (See Nathanson, W., and Behm, assignors.)

Behm, Jack, et al. (See Nathanson, W., and Behm, assignors.)

Bell, George B., Jr. (See Harks, F. S., and Bell.)

Bellis, Arthur E., New Haven, Conn., assignor to The Bellis Heat Treating Company, New York, N. Y. Bath for heat-treating metals. 1,520,744; Dec. 30.

Bellis Heat Treating Company, The. (See Bellis, Arthur E., assignor.)

Ben & Sally. (See Goldstein, B., and Mastrarrigo.)

Benjamin, Amber M., Los Angeles, Calif. Corset. 1,521,068; Dec. 30.

Benjamin, Edward O., Newark, N. J., assignor to International Oxygen Company. Evaporating and condensing apparatus. 1,521,147; Dec. 30.

Benjamin, John M. (See Bennett, W. H., and Benjamin.)

Bentley, Albert G. (See Friend, E. H., and Bentley.)

Berger, Dellino, Madison Township, Franklin County, Ohio. Air brake. 1,521,170; Dec. 30.

Berger Point Iron Works. (See Smith, Augustus, assignor.)

Bergmann, Carl, Jr., West Hoboken, assignor of one-half to W. W. Silvernail, Newark, N. J. Automatic clutching or starting device. 1,521,421; Dec. 30.

Bern, Emil, Des Moines, Iowa. Baffle wall for drainage ditches. 1,521,069; Dec. 30.

Bethlehem Steel Company. (See Madden, James P., assignor.)

Bethlehem Steel Company. (See Morgan, Rees C., assignor.)

Bicker, Edgar B., St. Louis, Mo. Vending machine. 1,521,350; Dec. 30.

Bickford, Guy R., assignor of one-half to H. V. Pettitt, Wayzata, Minn. Draft-preventing device. 1,520,799; Dec. 30.

Billings, Marion L., Adrian, Mich. Liquid fuel-dispensing apparatus. 1,521,070; Dec. 30.

Birnback, Ray M., Little Rock, Ark. Monument mold. 1,520,849; Dec. 30.

Bjorklund, Clifford H., and J. P. Johnson, Fergus Falls, Minn. Dumping body. 1,521,171; Dec. 30.

Blackwelder, Bert R., Laporte, Ind. Tire material. 1,520,925; Dec. 30.

Blanchard, Harold L., Northbridge, and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent rotation of bobbins. 1,521,501; Dec. 30.

Blenko, Walter J. (See Cave, E. U., and Blenko.)

Blodgett, Henry A. (See Milne, Harry, assignor.)

Blomquist, Johan V., and K. F. Wessblad, Stockholm, Sweden. Feed-water heater for steam generators with a rotary water layer. 1,521,502; Dec. 30.

Blood, Harold L., North Plainfield, N. J., and L. C. Cole, Hamilton, Ohio, assignors to Niles-Bement-Pond Company, New York, N. Y. System of control. 1,521,269; Dec. 30.

Blume, Aaron, New York, N. Y. Therapeutic appliance. 1,520,800; Dec. 30.

Blumenthal, Sidney, & Company. (See Stolzeberg, Fritz, assignor.)

Blunt, Grover A. (See Briley, O. M., and Blunt.)

Boardman, Raymond H. (See Bartholomew, J. H., and Boardman.)

Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,520,999; Dec. 30.

Boesch Lamp Company. (See Savery, Edwin, assignor.)

Bogdanoff, Paul G., Battle Creek, Mich. Centrifugal pump. 1,521,220; Dec. 30.

Bogdanoff, Paul G., Battle Creek, Mich. Vacuum pump. 1,521,270; Dec. 30.

Bohn, Rudolph A. (See Fischer, Walter D., assignor.)

Bolton, John B., assignor of one-half to John Bromley & Sons, Incorporated, Philadelphia, Pa. Robbin frame for looms. 1,521,351; Dec. 30.

Boltschauser, Heinrich, Zurich, Switzerland. Steam locomotive. 1,521,000; Dec. 30.

Bonnard, Leonard H., London, England. Manufacture of vegetable charcoal. 1,521,801; Dec. 30.

Bonney Forge & Tool Works. (See Durham, Joseph E., Jr., assignor.)

Boon, Daniel B., Roseburg, Oreg. Can opener. 1,521,271; Dec. 30.

Booth, William N., Detroit, Mich. Demountable rim for vehicle wheels. 1,521,071; Dec. 30.

Bordman, Morris A., Philadelphia, Pa. Saddle. 1,521,352; Dec. 30.

Bosbury, Joseph M., Peoria, Ill. Safety car-control device. 1,520,689; Dec. 30.

Bottom, Arthur, Veteran, Alberta, Canada. Automobile switch lock. 1,521,215; Dec. 30.

Bowden, Junius A., Los Angeles, Calif. Pressure lubricating device. 1,520,745; Dec. 30.

Bowman, Julius, Chicago, Ill., assignor to Johnson Automobile Lock Co. Taper attachment for screw machines. 1,521,001; Dec. 30.

Boyce, Fred E., Portland, and C. B. Rutledge, South Portland, Me. Propeller. 1,520,746; Dec. 30.

Boyd, George W., Nashville, Tenn. Pole or tower. 1,521,422; Dec. 30.

Rayden, David S., et al. (See Adair, Thomas D., Jr., assignor.)

Boyer, Anthony S., St. Paul, Minn. Depositing plate for lead mold impressions. 1,520,850; Dec. 30.

Boylan, Aaron E., Denison, Iowa. Vacuum tank. 1,521,423; Dec. 30.

Boyle, Charles H., New Haven, Conn. Shoe-polishing box. 1,520,690; Dec. 30.

Boyls, Cecil H., Louisville, Ky. Water-supply control for laundry machines. 1,520,691; Dec. 30.

Brace, Porter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature control for electrolytic cells. 1,521,002; Dec. 30.

Bracke, Robert F., Chicago, assignor, by mesne assignments, to C. R. Camp, trustee, Oak Park, Ill. Mould for internal-combustion engines. 1,521,353; Dec. 30.

Bradshaw, William M., and J. H. Ashbaugh, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. 1,521,003; Dec. 30.

Bradshaw, William M., and J. H. Ashbaugh, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,521,004; Dec. 30.

Bradshaw, William M., and J. H. Ashbaugh, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,521,005; Dec. 30.

Breckenridge, Robert A., Owen Sound, Ontario, Canada. Grave-covering device. 1,520,802; Dec. 30.

Brennan, William J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Adjusting mechanism. 1,520,692; Dec. 30.

Brewster, Louise H., Lexington, assignor to Joseph W. Woods & Sons Company, Boston, Mass. Woven fabric or similar article. Des. 66,321; Dec. 30.

Brigham, Martin E., Philadelphia, Pa. Labeling and waxing machine. 1,520,747; Dec. 30.

Briley, Otho M., Ames, and G. A. Blunt, assignors of one-third to R. W. Simpson, Dubuque, Iowa. Road maintainer. 1,521,227; Dec. 30.

Bromley, John, & Sons, Incorporated. (See Bolton, John B., assignor.)

Brooks, Lawrence N., Chamberlain, S. Dak. Grease-gun attachment. 1,521,272; Dec. 30.

Brown, Charles H., Breckenridge, Tex. Sand pump. 1,520,803; Dec. 30.

Brown, Daniel H., Oakland, Calif. Traffic signal. 1,520,693; Dec. 30.

Brown, George G., Jr., Ann Arbor, Mich. Carburetor. 1,520,926; Dec. 30.

Brown, Harry M., New Kensington, Pa. Car coupling. 1,520,927; Dec. 30.

Brown, Harvey F., assignor to Curlee Clothing Company, St. Louis, Mo. Spool holder. 1,520,748; Dec. 30.

Brown, Ray F., Chester, Iowa. Motion and direction indicator for vehicles. 1,520,851; Dec. 30.

Brown, Theophilus. (See Strandlund, C. G., and Brown.)

Brown, Walter P., and C. A. Cook, Piedmont, Ala. Device for grading railway tracks. 1,520,928; Dec. 30.

Brownlow, Samuel L., Elmo, Ark. Roll-weevil exterminator. 1,521,424; Dec. 30.

Brownrigg, Abel L., East Orange, N. J. Antifriction bearing. 1,520,749; Dec. 30.

Brulneckol, Peter, Densmore, Kans. Weeder. 1,521,503; Dec. 30.

Bryant Electric Company, The. (See Hammerstrom, Oscar, assignor.)

Bryant, Stanley C., assignor to Bryant Zinc Company, Chicago, Ill. Interlocking relay. 1,521,273; Dec. 30.

Bryant Zinc Company. (See Bryant, Stanley C., assignor.)

Buckley, Thomas A., Brooklyn, N. Y. Implement for cleaning teeth. 1,521,425; Dec. 30.

Buerk, Charles A., Chicago, Ill. Vanity box. 1,521,072; Dec. 30.

Buettner, Rudolf W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Crosshead for reciprocating machinery. 1,521,426; Dec. 30.

Bulsson, Louis P., New York, N. Y. Cuff button. 1,521,427; Dec. 30.

Bullet Proof & Non Shatterable Glass Corporation. (See Ross, James T., assignor.)

Bull, George F., assignor of one-half to Charles H. Fugh Limited, Birmingham, England. Adjusting shaft. 1,521,428; Dec. 30.

Burhorn, Edwin, Hoboken, N. J. Water-cooling spray nozzle. 1,520,929; Dec. 30.

Burke, Charles R., Tulsa, Okla., and T. F. Hintze, Arrowchar, N. Y.; said Burke assignor of his right to L. P. Burke, Tulsa, Okla. Process and apparatus for making oil gas. 1,520,804; Dec. 30.

Burke, Louise P. (See Burke, C. R., and Hintze, assignors.)

Burns, Edward P., assignor, by mesne assignments, to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Flush valve. 1,521,354; Dec. 30.

Burns, Edward P., assignor, by mesne assignments, to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Flush valve. 1,521,355; Dec. 30.

Burt, Townsend W., Hempstead, N. Y. Mandrel press. 1,521,356; Dec. 30.

Butler, Benjamin and W. Dinkfield, England. Stop cock and valve. 1,520,694; Dec. 30.

Butler, Wilfred. (See Butler, Benjamin and W.)

Butterfield, Fred, & Co. (See Vandergaw, E. B., and Heinrich, assignors.)

Buttweiler, John R., Freeport, Minn. Snowplow. 1,521,172; Dec. 30.

Cable, Frank T., New London, Conn., assignor to Electric Boat Company. Air-compressor piston. 1,520,852; Dec. 30.

Cable, Frank T., New London, Conn., assignor to Electric Boat Company. Air-compressor piston. 1,520,853; Dec. 30.

Calhoun, Harry L., Binghamton, N. Y. Filter. 1,520,930; Dec. 30.

Caltex Company, The. (See Ostberg, Zeno, assignor.)

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Operating mechanism for dump-car-door raising and supporting shafts. 1,520,695; Dec. 30.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load-discharging car. 1,520,696; Dec. 30.

Campbell, Lewis G., assignor to The Puritan Cabinet Dryer Company, Cincinnati, Ohio. Clothes drier. 1,521,274; Dec. 30.

Campbell, Scott E., Los Angeles, Calif. Reinforced cement tile structure. 1,521,430; Dec. 30.

Camp, Curtis B., trustee. (See Bracke, Robert F., assignor.)

Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Winding mechanism. 1,520,805; Dec. 30.

Camp, Warner H., assignor, by mesne assignments, to J. Miller, Atlanta, Ga. Baling press. 1,521,429; Dec. 30.

Camby, Amos G., Detroit, Mich. Automobile top. 1,521,073; Dec. 30.

Canelles, John, Duluth, Minn. Supplemental lock and key device. 1,520,806; Dec. 30.

Carley, Leonard R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,521,431; Dec. 30.

Carlson, David E., Chicago, Ill. Game. 1,520,697; Dec. 30.

Carlson, Wendell L. (See Carpenter, G. W., and Carlson.)

Carpenter, Glenn W., and W. L. Carlson, Schenectady, N. Y. Telephone headset. 1,521,275; Dec. 30.

Carrington, Ernest E., Napier, New Zealand. Carrier attachment to cycle frames. 1,521,504; Dec. 30.

Carr, Sidney L., Bay City, Tex. Muffler for internal-combustion engines. 1,521,074; Dec. 30.

Carter, Daniel. (See Roach, P. J., and Carter.)

Carter, Nathan A., Earl, Ark. Unloading device. 1,521,505; Dec. 30.

Carter, Nathan A., Earl, Ark. Roll-weevil-spraying machine. 1,520,854; Dec. 30.

Case, Francis M., Cleveland, Ohio, assignor, by mesne assignments, to The Foote-Burt Company. Clothes wringer. 1,520,855; Dec. 30.

Cass, Christopher P., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle brake. 1,520,698; Dec. 30.

Catching, Roy W., Roseburg, Oreg. Electromagnetic tool. 1,521,173; Dec. 30.

Caulfield, Norman H., Victoria, British Columbia, Canada. Stoker. 1,521,075; Dec. 30.

Cavanagh, John F., Providence, R. I. Electrical switch. 1,521,432; Dec. 30.

Cave, Edward W., Lancaster, Ohio, and W. J. Blenko, Pittsburgh, Pa., assignors, by mesne assignments, to The Fairfield Engineering Co., Marion, Ohio. Apparatus for coaling locomotives. 1,521,276; Dec. 30.

Celitte Company, The. (See Teltsworth, Clark S., assignor.)

Chalk, Homer C., San Antonio, Tex. Attachment for presses. 1,521,506; Dec. 30.

Chambers, John E., Shelbyville, Ind. Cooking stove. 1,520,807; Dec. 30.

Charlton, Robert W., Pineville, La. Indicating insulator. 1,521,433; Dec. 30.

Chase, Philip H. (See Foster, William, assignor.)

Cheek, Tolbert F., assignor to Welte-Mignon Corporation, New York, N. Y. Automatic musical instrument. 1,521,571; Dec. 30.

Cheney Talking Machine Company. (See Doerr, Fred H., assignor.)

Chessler, Harry, Brooklyn, N. Y. Convertible couch bed. 1,520,931; Dec. 30.

Chippindale, Henry, Richmond Hill, N. Y. Hose-winding drum. 1,520,808; Dec. 30.

Christensen, Christian A. (See Jensen, A., and Christensen.)

Christensen, Niels C., Salt Lake City, Utah. Apparatus for the concentration of ores. 1,521,277; Dec. 30.

Christiansen, Kay, San Francisco, Calif., assignor to Westinghouse Electric & Manufacturing Company. Induction-regulator system. 1,521,006; Dec. 30.

Christmas, William W., Ridgefield Park, N. J., assignor to Arista Manufacturing Company. Composition material. 1,521,174; Dec. 30.

Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Recording meter. 1,521,007; Dec. 30.

Cities Illuminating Co. (See Kelly, J., and Volkman, assignors.)

Clamage, Sophia, Chicago, Ill. Three-part garment for women and girls. 1,521,228; Dec. 30.

Clarke, Giacomo, assignor of one-half to L. E. Osborne, Chicago, Ill. Cap and the like. 1,521,149; Dec. 30.

Clark, Charles M., Havre de Grace, Md., assignor to Lock Clip and Folder Company, Incorporated. Loose-leaf cover. 1,521,076; Dec. 30.

Clark, Edgar M., New York, N. Y., assignor to Standard Development Company. Refining of petroleum oil. 1,521,278; Dec. 30.

Clarke, Richard A., assignor of one-half to T. H. Clay, Chattanooga, Tenn. Jack structure. 1,521,434; Dec. 30.

Clay, Samuel B., assignor to Heine Boiler Company, St. Louis, Mo. Tool for installing boiler handhole caps. 1,521,008; Dec. 30.

Clay, Thomas H. (See Clarke, Richard A., assignor.)

Clegg, William H., West Kirby, England. Internal-combustion engine. 1,521,077; Dec. 30.

Clickner, Earle, assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,521,229; Dec. 30.

Clipper Belt Lacer Company. (See Diamond, James K., assignor.)

Cluett, Peabody & Company. (See Hess, John W., assignor.)

Coffey, Louis A. (See Johnson, Raymond F., assignor.)

Cohen, Milton, New York, assignor to Adler Engineering Company, Corona, Long Island, N. Y. Dental attachment for movable-removable bridgework. 1,520,809; Dec. 30.

Cohn, Aaron, Toronto, Ontario, Canada. Sleeping doll's head. 1,521,279; Dec. 30.

Colby, Ora A., Irwin, and E. W. Denman, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,521,009; Dec. 30.
 Cole, Eliah H., Brooklyn, N. Y. Baseball game. 1,521,435; Dec. 30.
 Cole, Lyndon C. (See Blood, H. L. and Cole.)
 Collins, Thomas C., et al. (See Frank, Neal W., assignor.)
 Colonna, Frank, Brooklyn, N. Y. Automatic gas cut-off. 1,521,150; Dec. 30.
 Columbia Phonograph Company. (See Pike, George J., assignor.)
 Common Sense Crown Company. See Gaynor, John J., assignor.
 Commonwealth Steel Company. (See Jackson, Edwin C., assignor.)
 Comstock, Daniel J., Brooklyn, N. Y. Traveling bag or box. 1,520,932; Dec. 30.
 Condon, Gertrude G., Oakland, Calif. Hair curler. 1,520,933; Dec. 30.
 Connecticut Telephone & Electric Company, The. (See Bartholomew, J. H., and Boardman, assignors.)
 Cook, Clarence A. (See Brown, W. P., and Cook.)
 Cooper, Willis M., Norman, Okla. Automatic door. 1,521,357; Dec. 30.
 Copithorn, Walter E., Natick, Mass. Vehicle wheel. 1,520,810; Dec. 10.
 Coriellano, Giovanni, Monrovia, Calif. Curling trees of gum diseases. 1,521,078; Dec. 30.
 Cork, Charles F., et al. (See Remus, William F., assignor.)
 Correll, Solomon R., Ferndale, Wash. Cow-hopple hook former. 1,521,358; Dec. 30.
 Cory, Chas., & Son, Incorporated. (See Herrmann, Charles, assignor.)
 Cosman, Nathan C., National City, Calif. Chopping knife and cake cutter. 1,520,856; Dec. 30.
 Costa, Louis J., assignor to Standard Electric Products, Inc., Philadelphia, Pa. Motor drive. 1,521,359; Dec. 30.
 Cot, Louis, Brooklyn, N. Y. Cargo hook. 1,521,230; Dec. 30.
 Courtois, Omer, Manchester, N. H. Curtain bracket. 1,520,857; Dec. 30.
 Cox, Arthur, Olton, near Birmingham, England. Float chamber of carburetors. 1,521,507; Dec. 30.
 Cox, T. D., et al. (See Frank, Neal W., assignor.)
 Craigo, Eugene T., Los Angeles, Calif. Check filler or surfaces for retinishing varnished and like articles. 1,520,934; Dec. 30.
 Crandell, Willis S., Elsmere, assignor to Albany Paper Mill Machinery Company, Inc., Albany, N. Y. Driving mechanism for paper-making machines. 1,520,935; Dec. 30.
 Crane, Margaret M., Los Angeles, Calif. Bookmark. Des. 66,322; Dec. 30.
 Crompton & Knowles Loom Works. (See Blanchard, H. L., and Wakefield, assignors.)
 Crompton & Knowles Loom Works. (See Hoffman, Louie F., assignor.)
 Crompton & Knowles Loom Works. (See Holmes, E. R., and Wakefield, assignors.)
 Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
 Cullen, Jullien F., Portland, Oreg., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Fabric-handling machine. 1,520,858; Dec. 30.
 Cummings, Jerry D., Detroit, Mich. Combined toothpick, match, and change tray. Des. 66,323; Dec. 30.
 Cunningham, Frank H., Youngstown, Ohio. Coating machine. 1,521,010; Dec. 30.
 Curioni, Aldo, New Rochelle, assignor to M. Levy, New York, N. Y. Sewing powder puffs. 1,521,360; Dec. 30.
 Curlee Clothing Company. (See Brown, Harvey F., assignor.)
 Curriden, Samuel C., Clarksboro, N. J. Transporting pipe sections of large diameters. 1,520,699; Dec. 30.
 Curtis, Albion P. (See Danford, T., and Curtis.)
 Cusack, Thos., Company. (See Frills, J., and Ehnborn, assignors.)
 Dane, Reinhardt, Pittsburgh, Pa. Poker mechanism for gas producers. 1,521,231; Dec. 30.
 Dane, Reinhardt, Youngstown, Ohio. Feeding means for gas producers. 1,521,232; Dec. 30.
 Daman, Louis W., Sackville, New Brunswick, Canada. Pipeless furnace. 1,520,900; Dec. 30.
 Dana, Leslie, St. Louis, Mo. Automatic draft regulator. 1,521,436; Dec. 30.
 Dancker, Johann E. (See Bates, A. M., and Dancker.)
 Danford, Tad, and A. P. Curtis, Granby, Colo. Centrifugal pump. 1,520,859; Dec. 30.
 Dabserau, Omer J., Claremont, N. H., assignor to Sullivan Machinery Company, Method and apparatus for forming chains. 1,521,011; Dec. 30.
 Davidson, Meyer J., Paris, France. Production of objects or bodies from cement or concrete. 1,521,233; Dec. 30.
 Davies, Henry R., assignor to Industrial Research Corporation, Toledo, Ohio. Battery charging and discharging system. 1,521,584; Dec. 30.
 Davis & Furber Machine Company. (See Putnam, Walter T., assignor.)
 Davis, Arthur P., Brooklyn, N. Y. Arc lamp. 1,521,361; Dec. 30.
 Davis, David I., Chicago, Ill. Freezing and preserving perishable products. 1,520,811; Dec. 30.

Dean, John S., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush holder and making the same. 1,521,012; Dec. 30.
 Deane, Oscar R., jr., et al. (See Louis, Terrence G., assignor.)
 De Bruyn, René, Mont-sur-Marchienne, Belgium. Rotary converter. 1,521,280; Dec. 30.
 Deere & Company. (See Strandlund, C. G., and Brown, assignors.)
 De Florez, Luis, Pomfret, Conn. Phonograph. 1,521,281; Dec. 30.
 Denman, Earl W. (See Colby, O. A., and Denman.)
 Denney, James H., Detroit, Mich. Artificial refrigerating system. 1,520,936; Dec. 30.
 Dennett, William H., Swampscott, and J. M. Benjamin, Beverly, Mass. Storage apparatus. 1,521,148; Dec. 30.
 Denoux, René, Paris, France. Reflector for use on motor vehicles and the like and for analogous purposes. 1,521,508; Dec. 30.
 Denz, Emil A., Chicago, Ill. Potato-chip-frying machine. 1,520,860; Dec. 30.
 Derck, Fred, Kokomo, Ind. Distributor. 1,521,079; Dec. 30.
 De Santis, Louis, New York, N. Y. Steam generator. 1,521,437; Dec. 30.
 Detroit Vapor Stove Company. (See Sherman, A. G., and Meadows, assignors.)
 Dewey, Arthur C. (See Morgan, F. L., and Dewey.)
 Diamond Electric Specialties Corporation. (See Holler, Homer D., assignor.)
 Diamond Expansion Bolt Company. (See Hubener, William A., assignor.)
 Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt-fastener-applying device. 1,520,861; Dec. 30.
 Dickey, Herbert L., Detroit, Mich. Lifting jack. 1,520,937; Dec. 30.
 Diebel, Leo L. (See Thompson, E., and Diebel.)
 Dietmann, Paul W., Kalmar, Sweden. Multiple milling machine. 1,521,080; Dec. 30.
 Diggs, Sterling H., assignor to Standard Oil Company, Whiting, Ind. Refining oils. 1,521,282; Dec. 30.
 Diggs, Sterling H., assignor to Standard Oil Company, Whiting, Ind. Refining oils. 1,521,283; Dec. 30.
 Dixon, Cuthbert L., Montreal, Quebec, Canada. Steam water heater. 1,520,938; Dec. 30.
 Dodds, Robert S., Webster, Mass. Picker-stick and sweep-stick coupling. 1,521,438; Dec. 30.
 Doerr, Fred H., Grand Rapids, Mich., assignor to Cheney Talking Machine Company, Chicago, Ill. Automatic motor stop. 1,521,013; Dec. 30.
 Doering, Joseph P., New Haven, Conn. Valve for in-datable articles. 1,521,081; Dec. 30.
 Dorel, Jean, Nice, France. Composition for use in the reproduction of line documents. 1,521,509; Dec. 30.
 Dorer, Oscar H., Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pump sealing and testing device. 1,520,939; Dec. 30.
 Dorman, Morris, Baltimore, Md. Cloth laying and folding machine. 1,521,284; Dec. 30.
 Dornment, Frank C., assignor of one-half to G. J. Lowe, Cleveland, Ohio. Vaporizing device. 1,520,700; Dec. 30.
 Doughtie, John E. (See Howell, Henry M., assignor.)
 Doughty, Edgar S., Red Wing, Minn. Toy cannon. 1,521,510; Dec. 30.
 Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,520,701; Dec. 30.
 Draper Corporation. (See Rhoades, Alonzo E., assignor.)
 Drayer, Emil R., assignor of one-third to O. Drayer and one-third to F. Drayer, Richmond, Ind. Regulating device for percentage feeders. 1,521,014; Dec. 30.
 Drayer, Florence, et al. (See Drayer, Emil R., assignor.)
 Drayer, Orrin, et al. (See Drayer, Emil R., assignor.)
 Dressler, Philip D. H., Zanesville, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Kiln car. 1,521,216; Dec. 30.
 Dugan, Charles E., Los Angeles, Calif. Trunk and suitcase fastener. 1,521,082; Dec. 30.
 Dultz, August A., Hirschberg, Germany. Manufacture of sealing caps and applying them onto the vessels to be sealed. 1,520,910; Dec. 30.
 Dunlap, George M., Chicago, Ill. Radiator shutter. 1,521,362; Dec. 30.
 Du Pont, E. I., de Nemours & Company. (See Lindsey, Henri A., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Sense, Virgil B., assignor.)
 Du Pont, E. I., de Nemours and Company. (See Stillwell, Howard A., assignor.)
 Du Pont, E. I., de Nemours, and Company. (See Taylor, John S., assignor.)
 Dura Company, The. (See Lawrence, John D., assignor.)
 Dura Company, The. (See Nicholson, Stanley W., assignor.)
 Durham, Joseph E., jr., assignor to Bonney Forge & Tool Works, Allentown, Pa. Making thumbscrews and caps. 1,520,702; Dec. 30.
 Dwight, James H., Atlanta, Ga. Fire grate. 1,521,511; Dec. 30.
 Ebbert, Daniel F., Wheeling, W. Va. Shipping case. 1,521,512; Dec. 30.

Eberle, H. D., et al. (See Newman, Harry C., assignor.)
 Eckert, Joseph, jr. (See Thompson, G. K., and Eckert.)
 Edlund, Carl R., Spokane, Wash. Continuous-rail crossing. 1,521,513; Dec. 30.
 Edmunds and Jones Corporation. (See Godley, Charles E., assignor.)
 Edwards, Louis C., Ellington, Conn. Tobacco lath. 1,521,083; Dec. 30.
 Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Shearing metal bars while in motion. 1,521,514; Dec. 30.
 Eggers, Anton C., Brooklyn, N. Y. Closure for ice bags or the like. 1,520,812; Dec. 30.
 Egly Register Company, The. (See Stern, Milton C., assignor.)
 Ehnborn, Charles B. (See Frills, J., and Ehnborn.)
 Ehnman, Edwin H., Oak Park, Ill., assignor to Standard Screw Company, Jersey City, N. J. Blank registering device. 1,521,234; Dec. 30.
 Ekergaard, Edward. (See Wallenthin, Walfrid, assignor.)
 Elden, Leonard L., et al. (See Adair, Thomas D., jr., assignor.)
 Electric Apparatus Co., The. (See McCan, David G., assignor.)
 Electric Boat Company. (See Cable, Frank T., assignor.)
 Ellashovich, Maxim K., San Francisco, Calif. Pocket-knife. 1,521,084; Dec. 30.
 Elliott Company. (See McDermott, John R., assignor.)
 Ellis, Charles W., Haberfield, near Sydney, New South Wales, Australia. Abutment device for the heels of footwear. 1,521,175; Dec. 30.
 Enterprise Railway Equipment Company. (See Campbell, Argyie, assignor.)
 Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
 Erickson, Axel B., Omaha, Nebr. Telephone and telegraph pole. 1,521,285; Dec. 30.
 Erleson, Gustav E., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Machine for smoothing curved surfaces. 1,520,703; Dec. 30.
 Erskine, James E., Jacksonville, Fla. Piston and connecting-rod construction. 1,521,515; Dec. 30.
 Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Selective circuits for multiplex transmission. 1,520,813; Dec. 30.
 Estrade, Joachim, Carcassonne, France. Anchor carriage and like vehicle. 1,521,085; Dec. 30.
 Evans, Albert C., Butte, Mont. Printer's lock-up square. 1,521,516; Dec. 30.
 Evans, Jesse M., Springfield, Mo. Automatic weighing apparatus. 1,520,814; Dec. 30.
 Fairbank, Ralph W., Toledo, Ohio. Hand accelerator. 1,521,517; Dec. 30.
 Fairfield Engineering Co., The. (See Cave, E. U., and Blenko, assignors.)
 Falcone, Joseph, New York, N. Y. Combination electric shade holder. 1,521,551; Dec. 30.
 Fairbank Machine Shop & Foundry Co. (See Anderson, David A., assignor.)
 Farmer, Clyde C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston packing. 1,527,704; Dec. 30.
 Farmer, Clyde C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pipe-supporting device. 1,520,705; Dec. 30.
 Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Centrifugal dirt collector. 1,520,706; Dec. 30.
 Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-governor device. 1,520,707; Dec. 30.
 Farrell, James W., assignor to Homan & Co., Cincinnati, Ohio. Candle mold. 1,521,552; Dec. 30.
 Fastling, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Grinding mill. 1,521,217; Dec. 30.
 Faudt, Fritz, Düsseldorf-Oberkassel, Germany. Spherical joint. 1,520,862; Dec. 30.
 Faustmann, William, Brooklyn, assignor to Hammel, Riglander & Co., New York, N. Y. Watchmaker's loupe. 1,521,151; Dec. 30.
 Federal Manufacturing Company. (See Olinger, Thomas, assignor.)
 Federated Metals Corporation. (See Jacobson, Samuel, assignor.)
 Fegbank, Reinhard, Granville, Iowa. Manure hook. 1,521,086; Dec. 30.
 Fegles Construction Company. (See Hague, Frank L., assignor.)
 Fehr, Benjamin J., Roanoke, Ill. Loose wheel car-axle structure. 1,521,518; Dec. 30.
 Ferguson, Thomas, Bowdon, England, assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,521,015; Dec. 30.
 Ferris, Frederick, Bayonne, N. J. Combined shade-roller bracket and curtain support. 1,521,519; Dec. 30.
 Fire Gun Manufacturing Company. (See Tunnell, Harry E., assignor.)
 Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
 Fischer, Christian A., Grand Forks, N. Dak. Signal. 1,520,815; Dec. 30.

Fischer, Walter D., assignor of one-half to R. A. Bohm, Marlin, Tex. Dispensing receptacle. 1,521,520; Dec. 30.
 Fisher, Ernest L., New Brunswick, N. J. Trigger for firearms. 1,521,286; Dec. 30.
 Flagg, Charles E., West Roxbury, Mass. Vending installation. 1,521,521; Dec. 30.
 Flater, Alfred, administrator. (See Ranchwetter, Franz.)
 Flentje, Ernst, Cambridge, Mass. Shock absorber. 1,521,218; Dec. 30.
 Flick, Lorenz, Providence, assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Fabric ornamentation. 1,521,363; Dec. 30.
 Foley, Frank, Clarksburg, W. Va. Automatic shade-dimmed headlight. 1,521,219; Dec. 30.
 Foote-Burt Company, The. (See Barnes, Frederick A., assignor.)
 Foote-Burt Company, The. (See Case, Francis M., assignor.)
 Foote-Burt Company, The. (See Randles, George E., assignor.)
 Foresman, Robert A., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Stoker ram. 1,521,235; Dec. 30.
 Forsell, Frans E., assignor to Parks Bros. & Rogers, Providence, R. I. Belt buckle. 1,521,439; Dec. 30.
 Forshee, Frank F., Flint, Mich., assignor to Westinghouse Electric Products Company. Quick-acting knife switch. 1,521,016; Dec. 30.
 Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical distributing system. 1,521,017; Dec. 30.
 Foster, Oscar V., Louisville, Ky. Motor for automobiles. 1,521,440; Dec. 30.
 Foster, William, Philadelphia, assignor to P. H. Chase, Bala, Pa. Light support. 1,521,087; Dec. 30.
 Fowler, Charles E., New York, N. Y. Caisson and making the same. 1,521,522; Dec. 30.
 Frank, Neal W., assignor of one-third to T. C. Collins and one-third to T. D. Cox, Vinita, Okla. Cut-out. 1,521,176; Dec. 30.
 Franklin Knitting Mills, Inc. (See Worms, Sidney, assignor.)
 Franks, Harvey H., Dixon, Ill. Trenching machine. 1,522,236; Dec. 30.
 Fraser, John W., Cleveland, Ohio. Rectifier. 1,521,441; Dec. 30.
 Freedman, Max, Boston, Mass. Buffer for vehicles. 1,521,579; Dec. 30.
 Friend Bentley Elements Company Limited, The. (See Friend, E. H., and Bentley, assignors.)
 Friend, Edward H., Katoomba, New South Wales, and A. G. Bentley, assignors to The Friend Bentley Elements Company Limited, Melbourne, Australia. Internal-combustion engine. 1,521,220; Dec. 30.
 Frills, John, and C. B. Ehnborn, assignors to Thos. Cusack Company, Chicago, Ill. Electrically-illuminated sign. 1,521,177; Dec. 30.
 Frink, Walter J., Chattanooga, Tenn. Magazine pencil. 1,521,523; Dec. 30.
 Froelich, Frederick C., Philadelphia, Pa. Air pump. 1,521,364; Dec. 30.
 Frohn, Leonard J., Lynbrook, N. Y. Sheet feeder. 1,521,365; Dec. 30.
 Fulgora, Fred, assignor of one-half to J. N. McGrath, jr., Pittsburgh, Pa. Spark-plug-amplifying means. 1,521,178; Dec. 30.
 Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-frame hinge. 1,521,237; Dec. 30.
 Fuller, Sidney L., Lansing, Minn. Pick-up tongs. 1,521,524; Dec. 30.
 Fuels, Edwin, and C. A. Bates, Canastota, N. Y. Cake turner. 1,521,525; Dec. 30.
 Funk, Austin L., Longford, Kans. Brake mechanism. 1,520,941; Dec. 30.
 G. C. A. Manufacturing Company, The. (See Grinnell, Harold D., assignor.)
 Gamble, Charles B. (See Lucas, J. T., and Gamble.)
 Gammeter, John R., Akron, Ohio, assignor to The R. F. Goodrich Company, New York, N. Y. Grooving machine. 1,521,238; Dec. 30.
 Garon, Israel, Duluth, Minn. Spooling yarns. 1,521,179; Dec. 30.
 Garrett, John H. R., Urbana, Ill. Internal-combustion engine. 1,520,942; Dec. 30.
 Gary, Theo. H. (See Marcusson, Ju'hus, assignor.)
 Gatewood, Irvin, Moline, Ill. Wall paper. Des. 66,324; Dec. 30.
 Gaynor, John J., Indianapolis, Ind., assignor to Common Sense Crown Company. Bottle-crowning machine. 1,521,442; Dec. 30.
 Gearling, Harry. (See Atkinson, J. R., and Gearling.)
 Gemas, Ira S., et al. (See Nelson, Paul, assignor.)
 Gernsback, Hugo, New York, N. Y. Acoustic apparatus. 1,521,287; Dec. 30.
 Gerrard, Alec J. (See Mueller, William G., assignor.)
 Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
 Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Plaster shield for inclosed switches. 1,521,553; Dec. 30.
 Gignoux, John R., Long Beach, Calif. Housing for oil or other wells. 1,521,088; Dec. 30.

Gilbert, William L., Clock Company. (See Hodge, Albert P., assignor.)
 Glasener, Frank R., Cedar Falls, Iowa. Sheaf-delivering conveyor for shocking machines. 1,521,089; Dec. 30.
 Goble, Bert G., Tulsa, Okla. Artificial bait. 1,521,090; Dec. 30.
 Godai, Ryosaku, Tokyo, Japan. Nozzle of the ladle for steel casting. 1,521,526; Dec. 30.
 Godfrey, Howard L., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Signaling system. 1,521,018; Dec. 30.
 Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp. 1,520,943; Dec. 30.
 Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Signal lamp. 1,520,944; Dec. 30.
 Godshalk, Clarence A., Ardmore, Pa. Vehicle lamp. 1,521,239; Dec. 30.
 Gold, Samuel M. (See Rachlin, Max, assignor.)
 Goldstein, Benjamin, and S. Mastrarrigo, assignors to Ben & Sally, New York, N. Y. Ballet slipper. 1,520,708; Dec. 30.
 Goldstein, Benjamin, et al. (See Goldstein, B., and Mastrarrigo, assignors.)
 Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
 Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,521,019; Dec. 30.
 Gouldbourne, Joseph, and F. Ricks, Leicester, England, assignors, to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,521,288; Dec. 30.
 Graham, William A., U. S. Army. Fence. 1,521,240; Dec. 30.
 Gray, Peter, & Sons Inc. (See Kelson, Clarence H., assignor.)
 Green, Walter R., Chicago, Ill. Attaching bracket for tire carriers. 1,520,816; Dec. 30.
 Greet, William H., Gebo, Wyo. Safety device for cars. 1,521,527; Dec. 30.
 Griesemer, Abraham R., San Francisco, Calif. Water-pressure ejector. 1,520,945; Dec. 30.
 Griffiths, William U., Llanwellyn, assignor to I X L Pump and Manufacturing Company, Philadelphia, Pa. Valve-operating means for flush tanks. 1,520,863; Dec. 30.
 Grigg, Lily S., Long Beach, Calif. Tattling shuttle. 1,521,528; Dec. 30.
 Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lampbulb placing and removing device. 1,520,946; Dec. 30.
 Groehl, Joseph A., New York, N. Y. Sewing machine. 1,521,443; Dec. 30.
 Grubman, Lee J., New York, N. Y. Sound-producing device. 1,520,709; Dec. 30.
 Guny, Joseph, assignor to J. S. Kessler and A. A. Langlois, Missoula, Mont. Billiard-cue chalker. 1,521,580; Dec. 30.
 Guenther, Alma, New York, N. Y. Window porch. 1,521,554; Dec. 30.
 Guillemet, Francois L., San Francisco, Calif. Depth bomb. 1,521,091; Dec. 30.
 Gulf Refining Company. (See McAfee, Almer M., assignor.)
 Gulf Refining Company. (See Prichard, G. L., and Henderson, assignors.)
 Guilborg, Arthur V., Chicago, Ill. Antifriction insert for leaf springs. 1,521,020; Dec. 30.
 Gunn, Charles H., Oakland, Calif. Toilet flush. 1,521,092; Dec. 30.
 Gurren, Edward J., St. Louis, Mo. Combustion device. 1,520,710; Dec. 30.
 Guttman, Harry J., Chicago, Ill. Clamp for baking pans and the like. 1,521,289; Dec. 30.
 Haag, Alfred H., Baltimore, Md. Combined radio and phonograph amplifier and tone control therefor. 1,521,366; Dec. 30.
 Habart, Charles, Cleveland, Ohio. Cutting implement. 1,520,711; Dec. 30.
 Hagemeister, Emma, New York, N. Y. Hair waver. 1,521,529; Dec. 30.
 Hague, Frank L., Minneapolis, Minn., assignor to Fegles Construction Company, Limited, Fort William, Ontario, Canada. Box-car unloader. 1,521,290; Dec. 30.
 Hahnemann, Paul R., assignor to The Peck Stow & Wilcox Co., Southington, Conn. Gauge for machines for folding sheet metal. 1,521,367; Dec. 30.
 Hale, Willis W., Cleveland, Ohio. Electrical insulating medium. 1,521,241; Dec. 30.
 Hall, Edwin S., Denver, Colo. Pressure vessel. 1,521,093; Dec. 30.
 Hamersley, Carl S., assignor to The Hamersley Manufacturing Company, New York, N. Y. Package. 1,521,368; Dec. 30.
 Hamersley, George W., assignor to The Hamersley Manufacturing Company, New York, N. Y. Package. 1,521,369; Dec. 30.
 Hamersley Manufacturing Company, The. (See Hamersley, Carl S., assignor.)
 Hammel, Riglander & Co. (See Faustmann, William, assignor.)
 Hammer, Sam, New York, and D. Postal, Brooklyn, assignors to United Metal Box Company, Inc., Long Island City, N. Y. Latch. 1,521,572; Dec. 30.

Hammerstrom, Oscar, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,521,530; Dec. 30.
 Harold, Harold N., Standish, Me. Blanket-roll support. 1,521,531; Dec. 30.
 Hansen, Julius A., Salt Lake City, Utah. Novelty bank. 1,521,532; Dec. 30.
 Hanson, Bengt M. W., Hartford, Conn. Metal-working machine. 1,520,712; Dec. 30.
 Hanson, Bengt M. W., Hartford, Conn. Milling machine. 1,520,713; Dec. 30.
 Hanson, Bengt M. W., Hartford, Conn. Tap. 1,520,714; Dec. 30.
 Harford, Don L., Des Moines, Iowa. Newspaper-assembling machine. 1,521,094; Dec. 30.
 Harper, John M., et al. (See Harper, William, assignor.)
 Harper, Norman T. (See Turmes, John, assignor.)
 Harper, William, assignor of one-third to W. N. Walker and one-third to J. M. Harper, Kadena City, Mo. Return conveyor for mangles. 1,521,444; Dec. 30.
 Harris, Asa B., Vienna, Ill. Folding box. 1,521,291; Dec. 30.
 Harris, Charles H., Yonkers, N. Y. Artificial shingle. 1,520,947; Dec. 30.
 Harris, Elmer H., Scranton, Pa. Game. 1,521,095; Dec. 30.
 Harris, Ora G., Laurel, Miss. Grinding machine. 1,520,817; Dec. 30.
 Harrison, John S., assignor to Macnab Stratfield Coal Limited, London, England. Molding apparatus. 1,521,292; Dec. 30.
 Haviland, George, Limoges, France. Bowl or similar article. Des. 66,325; Dec. 30.
 Haviland, Theodore, & Co. (See Haviland, William D., assignor.)
 Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Plate or similar article. Des. 66,326; Dec. 30.
 Hayes, Dennis J., New Orleans, La. Refrigerating apparatus. 1,521,445; Dec. 30.
 Hazeltine, Robert H., New York, N. Y. Fuel tank. 1,521,293; Dec. 30.
 Heberling, John, Rochester, N. Y. Vehicles for children. 1,521,180; Dec. 30.
 Helne Roller Company. (See Clay, Samuel B., assignor.)
 Heinrich, Jules. (See Vandergraw, E. R., and Heinrich.)
 Heinz, Philipp, Pforzheim, Germany. Machine for grinding precious stones. 1,520,948; Dec. 30.
 Hemleb, Martin, assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabeth, N. J. Motor support. 1,520,949; Dec. 30.
 Henderson, Arch E., Fort Smith, Ark. Knife for trimming hloleum. 1,521,533; Dec. 30.
 Henderson, Herbert. (See Prichard, G. L., and Henderson.)
 Henderson, John C., New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,521,294; Dec. 30.
 Hennegan, Paul M., Cincinnati, Ohio. Finishing panels for radio sets. 1,521,096; Dec. 30.
 Henro, Arthur, Brussels, Belgium. Apparatus for the automatic manufacture of tiles with incrusted designs. 1,521,097; Dec. 30.
 Henry, John B., Aspinwall, Pa. Opening or separating machine. 1,520,864; Dec. 30.
 Herman, Joseph F. (See Thomas, Elsha G., assignor.)
 Herrmann, Charles, Brooklyn, assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Annunciator drop. 1,521,534; Dec. 30.
 Hess, John W., Kitchener, Ontario, Canada, assignor to Chett, Peabody & Company, Inc., Troy, N. Y. Fold-over collar and making the same. 1,521,152; Dec. 30.
 Heyer, Benjamin F. W., Montclair, N. J. Apparatus and meter for testing batteries. 1,520,865; Dec. 30.
 Hicks, Ernest C., Waynesville, Mo. Gear-shift mechanism. 1,521,535; Dec. 30.
 Hilton, William, Seattle, Wash. File gauge. 1,521,098; Dec. 30.
 Hines, Albert C., Columbus, Ohio. Automobile theft-prevention means. 1,521,099; Dec. 30.
 Hintze, Thomas F. (See Burke, C. R., and Hintze.)
 Hirschman, Arthur, St. Paul, Minn. Brake-release attachment for automobiles. 1,520,818; Dec. 30.
 Hobdell, Way and Company. (See Payne, Matt, assignor.)
 Hoblitt, Frederic M., New York, assignor to Ajax Rubber Company, Inc., Millbrook, N. Y. Tire tread. Des. 66,327; Dec. 30.
 Hodge, Albert P., assignor to William L. Gilbert Clock Company, Winsted, Conn. Clock. 1,520,866; Dec. 30.
 Hodgman, Emma A., executrix. (See Hodgman, Willis K.)
 Hodgman, Willis K., deceased, Taunton, Mass.; E. A. Hodgman, executrix. Fusible link. 1,520,750; Dec. 30.
 Hoey, William, Grand Rapids, Mich. Automobile signal. 1,520,867; Dec. 30.
 Hoffman, Louis F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism. 1,521,182; Dec. 30.
 Hölting, Rudolf, Essen, Germany. Rail plate. 1,521,181; Dec. 30.
 Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor. 1,521,021; Dec. 30.

Holler, Homer D., Leonia, assignor to Diamond Electric Specialties Corporation, Newark, N. J. Dry cell. 1,521,295; Dec. 30.
 Holmes, Elbridge R., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Jack eye for harness levers. 1,521,183; Dec. 30.
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Safety appliance for mining machines. 1,521,022; Dec. 30.
 Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,521,023; Dec. 30.
 Holmes, Samuel A., Storm Lake, Iowa. Crutch chair. 1,521,536; Dec. 30.
 Holt, Harris B., Dormont, assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa. Grate structure. 1,521,296; Dec. 30.
 Holton, Abner L., Big Stone Gap, Va. Water bag. 1,521,184; Dec. 30.
 Homan & Co. (See Farrell, James W., assignor.)
 Homens, Fred W., Sterling, Ill. Door for basement openings. 1,520,819; Dec. 30.
 Honighaun, Harry H., Richmond Hill, N. Y. Roofing nail. 1,520,751; Dec. 30.
 Hope, James S., Portsmouth, Va. Toy. 1,521,297; Dec. 30.
 Horwitz, Wilhelm, Berlin, Germany. Recovery of petroleum. 1,520,752; Dec. 30.
 Hondalla Company, The. (See Lincoln, C. A., and Rossmann, assignors.)
 Houghton, Harry W., Glen Echo, Md. Fumigant and process of fumigation. 1,521,537; Dec. 30.
 House, George W., Long Beach, Calif. Water filter and cooler. 1,521,100; Dec. 30.
 Howell, Henry M., assignor of one-half to J. E. Doughtle, Monroe, La. Wheel. 1,521,538; Dec. 30.
 Hoyt Metal Company. (See Thompson, G. K., and Eckert, assignors.)
 Hubbell, Clinton C., Norwalk, Conn. Marine cooling system. 1,521,446; Dec. 30.
 Hubener, William A., assignor to Diamond Expansion Bolt Company, New York, N. Y. Anchor-bolt nut. 1,521,024; Dec. 30.
 Hubener, William A., assignor to Diamond Expansion Bolt Company, New York, N. Y. Anchor-bolt nut. 1,521,025; Dec. 30.
 Hubener, William A., assignor to Diamond Expansion Bolt Company, New York, N. Y. Anchor bolt. 1,521,026; Dec. 30.
 Hudson, Monroe, Cockville, Tenn. Cultivator structure. 1,521,539; Dec. 30.
 Hudry, John, Ancon, Canal Zone, Panama. Velocipede. 1,521,540; Dec. 30.
 Huff, Wilson S., Oklahoma City, Okla. Bracing apparatus for fireproof tanks. 1,521,555; Dec. 30.
 Humphrey, Joseph H., and E. Zola, St. Louis, Mo.; said Zola assignor to said Humphrey. Time-controlled switch-operating device. 1,521,101; Dec. 30.
 Hunkins, William S., Hollywood, Calif. Pin tube. 1,521,370; Dec. 30.
 Hunt, Raymond B., Lakewood, Ohio. Toy boat. 1,521,185; Dec. 30.
 Hunter, Charles A., Aurora, Ill. Floor-board shield for automobiles. 1,520,950; Dec. 30.
 Hunter, Charles G., Lawrence, Ind. Metallic gate. 1,521,371; Dec. 30.
 Hutton, Raymond M., Philadelphia, Pa. Electric ground clamp. 1,520,868; Dec. 30.
 Hyman, Elias, Brooklyn, N. Y. Stair covering. 1,521,153; Dec. 30.
 Hyman, Elias, Brooklyn, N. Y. Stair covering. 1,521,154; Dec. 30.
 I X L Pump and Manufacturing Company. (See Griffiths, William U., assignor.)
 Igo, Joseph H., Chicago Heights, assignor to Igo Manufacturing Co., Chicago, Ill. Automobile bumper. 1,520,951; Dec. 30.
 Igo Manufacturing Co. (See Igo, Joseph H., assignor.)
 Inada, Yoshiho, Takaw, Formosa, Japan. Making carbons. 1,521,541; Dec. 30.
 Industrial Research Corporation. (See Davies, Henry R., assignor.)
 Industrial Research Corporation. (See Whitcomb, Edmund B., assignor.)
 International Oxygen Company. (See Benjamin, Edward O., assignor.)
 Internationale Siegwartbalken-Gesellschaft. (See Zehnder, Paul, assignor.)
 Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
 Isaacs, Arthur S., Pittsburgh, Pa. Shade pull. 1,521,155; Dec. 30.
 Isaacs, Joel L., Milwaukee, Wis. Nozzle. 1,520,820; Dec. 30.
 Isoman, Richard B., assignor, by mesne assignments, to Auto Turn Company, Clarion, Pa. Automobile turntable. 1,520,715; Dec. 30.
 Isley, George H., assignor to Morgan Construction Co., Worcester, Mass. Reversing apparatus for heating furnaces. 1,521,298; Dec. 30.
 Ivory, James W., Philadelphia, Pa. Dental clamp attachment. 1,520,753; Dec. 30.
 Jackson, Corwill, Kalamazoo, Mich. Connector for electric cables. 1,521,102; Dec. 30.

Jackson, Edwin C., assignor to Commonwealth Steel Company, St. Louis, Mo. Trailer truck. 1,520,754; Dec. 30.
 Jacobsen, Calle P., Coquille, Oreg. Self-sealing-jar opener. 1,521,542; Dec. 30.
 Jacobson, Samuel, San Francisco, Calif., assignor to Federated Metals Corporation. Stripping cables. 1,521,103; Dec. 30.
 Jacke, Walter G., Pilger, Nebr. Chain fastener. 1,520,952; Dec. 30.
 Jenelck, Stephen, assignor to P. L. Schanze, Cleveland, Ohio. Motor-starting mechanism. 1,521,186; Dec. 30.
 Jenelck, Stephen, assignor to G. A. Schanze, deceased, Cleveland, Ohio; P. L. Schanze, administrator. Internal-combustion-motor-starting apparatus. 1,521,187; Dec. 30.
 Jenkins, Charles F., assignor to Radio Pictures Corporation, Washington, D. C. Photographing oscillating sparks. 1,521,188; Dec. 30.
 Jenkins, Charles F., assignor to Radio Pictures Corporation, Washington, D. C. Film reception of broadcast pictures. 1,521,189; Dec. 30.
 Jenkins, Charles F., assignor to Radio Pictures Corporation, Washington, D. C. Drum lens carrier. 1,521,190; Dec. 30.
 Jenkins, Charles F., assignor to Radio Pictures Corporation, Washington, D. C. Prism-lens disk. 1,521,191; Dec. 30.
 Jenkins, Charles F., assignor to Radio Pictures Corporation, Washington, D. C. Electroscopic picture reception. 1,521,192; Dec. 30.
 Jenkins, Edward T., Brooklyn, N. Y. Vehicle body. 1,521,156; Dec. 30.
 Jensen, Andreas, Copenhagen, and C. A. Christensen, Frederiksberg, Denmark. Label-applying machine. 1,521,193; Dec. 30.
 Jinks, Ethel. (See McGhee, James W., assignor.)
 Johansen, Ernst M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Separating oils. 1,520,953; Dec. 30.
 Johansson, Johan W., Njurunda, Sweden. Plow. 1,521,299; Dec. 30.
 Johnson Automobile Lock Co. (See Bowman, Julius, assignor.)
 Johnson, Bernard F., Jersey City, N. J. Winding machine. 1,521,372; Dec. 30.
 Johnson, Eveline F., Forest Hills Gardens, N. Y. Attaching separate borders to household linens. 1,521,300; Dec. 30.
 Johnson, Harry H., Washington, D. C. Liquid-dispensing device. 1,521,543; Dec. 30.
 Johnson, John P. (See Bjorklund, C. H., and Johnson.)
 Johnson, Percy, Beaumont, Tex. Diestock attachment. 1,521,194; Dec. 30.
 Johnson, Raymond F., assignor to L. A. Coffey, Los Angeles, Calif. Liquid-level indicator. 1,521,195; Dec. 30.
 Johnston, Howard H., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric locomotive. 1,520,901; Dec. 30.
 Jones, Randall H., Indianapolis, Ind. Ring. Des. 66,328; Dec. 30.
 Jones, Thomas S., Newport, England. Dynamo-electric machine. 1,521,801; Dec. 30.
 Jones, W. A., Foundry & Machine Company. (See Jones, Warren G., assignor.)
 Jones, Warren G., assignor to W. A. Jones Foundry & Machine Company, Chicago, Ill. Speed changer and the like. 1,521,104; Dec. 30.
 Jopson Manufacturing Company. (See Jopson, William G., assignor.)
 Jopson, William G., Wellesley, assignor to Jopson Manufacturing Company, Boston, Mass. Tag-stringing machine. 1,521,242; Dec. 30.
 Josef, Hugo, Cleveland, Ohio. Ventilator. 1,521,243; Dec. 30.
 Joyce, James D., Philadelphia, Pa. Winding machine. 1,521,556; Dec. 30.
 Joyce, James D., Philadelphia, Pa. Winding machine. 1,521,557; Dec. 30.
 Judd, John G., Detroit, Mich. Wire gripper. 1,520,716; Dec. 30.
 Junkunc, John, Chicago, Ill. Spare-tire lock. 1,520,902; Dec. 30.
 Jutila, Arthur, Chicago, Ill. Potato masher. 1,520,903; Dec. 30.
 Kahn, Moses M. (See Silva, Franklyn J., assignor.)
 Kalsing, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic switch. 1,520,821; Dec. 30.
 Kane, James M., New York, N. Y. Soft-fold collar and stiffening device therefor. 1,520,822; Dec. 30.
 Kaplan, Isidor, New York, N. Y. Ventilated cap. 1,520,717; Dec. 30.
 Kastle, Anton, H., Whitefish, Mont. Toothbrush. 1,520,954; Dec. 30.
 Kay, Richard C., South Kensington, London, England. Portable electric lamp. 1,521,105; Dec. 30.
 Keen, David W., Brooklyn, N. Y. Building construction. 1,521,373; Dec. 30.
 Kelm, Edwin P., Chicago, Ill. Windshield cleaner. 1,520,904; Dec. 30.
 Kelm, William C., Springfield, Ill. Cylinder head and spark plug. 1,521,106; Dec. 30.

Kellogg Switchboard and Supply Company. (See Kalsing, William, assignor.)
 Kelly, James, and F. C. Volkman, Baltimore, Md., assignor to Cities Illuminating Co., New York, N. Y. Gas burner. 1,521,302; Dec. 30.
 Kelly-Springfield Tire Company. (See Cullen, Julien F., assignor.)
 Kelly, William A., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Invoice sheet. 1,520,755; Dec. 30.
 Kelsen, Clarence H., Belmont, assignor to Peter Gray & Sons Inc., Cambridge, Mass. Focusing device for lanterns. 1,521,107; Dec. 30.
 Kelsey Wheel Company. (See Ratle, Joseph E., assignor.)
 Kemper, Edward C., Washington, D. C. Canoe support and shelter. 1,520,756; Dec. 30.
 Keslinger, George G., Jr., Oswego, Ill. Post holder. 1,521,771; Dec. 30.
 Kessler, Joseph S., et al. (See Guay, Joseph, assignor.)
 Kestner, Paul, Boulogne-sur-Seine, France. Abstracting gases from water by means of metallic filters. 1,520,823; Dec. 30.
 Killam, Gaston B., Calgary, Alberta, Canada. Shutter for automobile headlights and the like. 1,520,889; Dec. 30.
 Killon, John H., Chicago, Ill. Knock-down barrel. 1,521,108; Dec. 30.
 Kimbrough, John W., Haleyville, Ala. Cultivator. 1,520,824; Dec. 30.
 King, George A., Waterbury, and E. D. Simons, Cheshire, assignors to Seville Manufacturing Company, Waterbury, Conn. Carpet fastener. 1,521,157; Dec. 30.
 King, Robert, Philadelphia, Pa. Drilling device. 1,521,158; Dec. 30.
 Klug, Thomas H., Charlotte, N. C. Carpenter's scriber. 1,521,544; Dec. 30.
 Klinker, Clarence C., assignor to The O'Neill Machine Co., Toledo, Ohio. Take-off mechanism. 1,521,375; Dec. 30.
 Kinlaw, Romie A., Fayetteville, N. C. Plow. 1,520,825; Dec. 30.
 Kistler, Wilbur D., Sheridan, Wyo. Sample machine. 1,521,545; Dec. 30.
 Klein, Max, New York, N. Y., assignor to Shapiro & Aropson, Inc., Wall bracket for lighting fixtures. Des. 66,330; Dec. 30.
 Knapp Brothers Manufacturing Company. (See Knapp, George A., assignor.)
 Knapp Brothers Manufacturing Company. (See Swiney, Everett E., assignor.)
 Knapp, George A., Chicago, Ill., assignor to Knapp Brothers Manufacturing Company. Metal facing for door and window openings. 1,520,826; Dec. 30.
 Knight, Richard M., Minneapolis, Minn. Gravity-feed roller. 1,521,109; Dec. 30.
 Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Work supporting and rotating chuck. 1,521,308; Dec. 30.
 Koch, Lydia B., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Manufacturing milk bottles and like constructions. 1,520,870; Dec. 30.
 Koehndorfer, Frederic S., Newton, Iowa, and J. N. Selvig, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand or cord-working mechanism. 1,520,718; Dec. 30.
 Koerber, Walter, Alexandria, Mo. Sawing attachment for tractors. 1,520,955; Dec. 30.
 Koehring Company. (See Lichtenberg, Erich H., assignor.)
 Kohler Ernest, Alameda, Calif. Game board. 1,521,558; Dec. 30.
 Kolsch, Otto, assignor to the Elm Heinrich Lanz, Mannheim, Baden, Germany. Valve. 1,521,447; Dec. 30.
 Koontz, Victor R., assignor, by mesne assignments, to Landis Machine Company, Waynesboro, Pa. Die head. 1,520,871; Dec. 30.
 Koppers Company, The. (See Shaw, Joseph A., assignor.)
 Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)
 Koppers, Heinrich, Essen-Ruhr, Germany, assignor to the Koppers Development Corporation, Pittsburgh, Pa. Channel oven. 1,520,757; Dec. 30.
 Kornelov, Leon, Martinsburg, N. Y. Power-driven truck. 1,521,196; Dec. 30.
 Krag, Harry W., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo. Skiving machine. 1,521,110; Dec. 30.
 Krag, Harry W., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Cutting machine. 1,521,376; Dec. 30.
 Kragiel, William, Paterson, N. J. Combined toy and ornament. 1,521,448; Dec. 30.
 Krout, Pulled B., Narberth, Pa. Wire clamp. 1,521,377; Dec. 30.
 Kusebauch, Anton K., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Locomotive draft appliance. 1,520,956; Dec. 30.
 Kusklin, David K., New York, N. Y. Collapsible tube. 1,521,546; Dec. 30.
 La Bree, Ida, Oakland, Calif. Bath brush. 1,521,111; Dec. 30.
 Lacerda, Harry A., Watervliet, N. Y. Dolly bar. 1,521,547; Dec. 30.

Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Hurlington, N. J. Centrifugal casting machine. 1,521,244; Dec. 30.
 Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Hurlington, N. J. Molding apparatus. 1,521,245; Dec. 30.
 Landis Machine Company. (See Koontz, Victor R., assignor.)
 Langlois, Archibald A., et al. (See Guay, Joseph, assignor.)
 Lane, George S., San Francisco, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake device. 1,520,758; Dec. 30.
 Lanz, Heinrich. (See Kolsch, Otto, assignor.)
 Larsen, Lars P., Horsens, Denmark. Arrangement in churns for churning and working butter. 1,520,872; Dec. 30.
 Latimer, Homer L., Whittier, Calif. Disappearing mirror for motor vehicles. 1,521,378; Dec. 30.
 Lauren, John W., Sterling, Ill. Wire or rod rolling machine. 1,520,905; Dec. 30.
 Lauritsen, Charles C., assignor, by mesne assignments, to The Swartwout Company, Cleveland, Ohio. Measuring and integrating mechanism. 1,520,873; Dec. 30.
 Lauritsen, Charles C., assignor, by mesne assignments, to The Swartwout Company, Cleveland, Ohio. Recording and indicating mechanism. 1,520,874; Dec. 30.
 Lavole, Alphonse J., Montreal, Quebec, Canada. Internal-combustion engine. 1,520,875; Dec. 30.
 Lawrence, John D., assignor to The Dura Company, Toledo, Ohio. Window-controlling device. 1,521,112; Dec. 30.
 Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,521,304; Dec. 30.
 Lee, Aubrey M., Coleman, Tex. Ice-scoring machine. 1,521,449; Dec. 30.
 Lee, George W. (See Thomas, H. W., and Lee.)
 Leen, Maurice, Chicago, Ill. Shipping case. 1,520,827; Dec. 30.
 Lehman, Hugo O., Washington, D. C. Dental stand. 1,520,957; Dec. 30.
 Lemieux, Raphael, New Bedford, Mass. Tension device. 1,521,305; Dec. 30.
 Leonard, Stuart C., Gallon, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Automatic control system for synchronous motor-generator sets. 1,520,906; Dec. 30.
 Levy, Maurice. (See Curioni, Addo, assignor.)
 Lewis, Earle B., Waterbury, Conn. Clasp for electrical conductors. 1,521,197; Dec. 30.
 Lewis, Fred K., Ashtabula, Ohio. Top for vehicles and the like. 1,521,198; Dec. 30.
 Lewis, Henry J., Milwaukee, Wis. Refuse container. 1,520,828; Dec. 30.
 Libbey-Owens Sheet Glass Company, The. (See Henderson, John C., assignor.)
 Lichtenberg, Erich H., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Concrete loading, mixing, and distributing machine. 1,521,246; Dec. 30.
 Lichtentag, Hortense, deceased; R. Paskin, administratrix, assignor to Paris Laboratories, New York, N. Y. Powder puff. 1,520,876; Dec. 30.
 Lichter, Benjamin, et al. (See Smith, Benjamin, assignor.)
 Liden, Gustave, Chicago, Ill. Oil can. 1,520,829; Dec. 30.
 Liedberg, Carl E., Chicago, Ill. Automobile rack. 1,521,450; Dec. 30.
 Lightfoot Schultz Company. (See Rast, Felix Q., assignor.)
 Lincoln, Carlisle A., and E. F. Rossman, assignors to The Houdaille Company, Buffalo, N. Y. Clip cap for spring covers. 1,521,027; Dec. 30.
 Lincoln Steel and Forge Company. (See Barks, F. S., and Bell, assignors.)
 Lindeman, William K., sr., Philadelphia, Pa. Antiskidding device. 1,521,451; Dec. 30.
 Lindsey, Henri A., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making decorated leather substitute and the product thereof. 1,520,877; Dec. 30.
 Lindsey, James O., Comanche, Tex. Shock-absorber snubber. 1,521,452; Dec. 30.
 Link, Charles E., Remington, Ohio. Decarbonizer spray. 1,521,453; Dec. 30.
 Linn, Holman H., Morris, N. Y. Creeper. 1,521,454; Dec. 30.
 Lipkey, Joseph, Chicago, Ill. Shirt cuff. 1,520,759; Dec. 30.
 Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor for electric furnaces. 1,521,028; Dec. 30.
 Livingston, Richard D., assignor to Signode System, Inc., Chicago, Ill. Shingle-strapping support. 1,521,379; Dec. 30.
 Ljungström, Fredrik, Lidingö-Brevik, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Packing means for the blades of steam turbines. 1,520,830; Dec. 30.
 Lobby, Fred T., St. Louis, Mo., assignor to Sullivan Machinery Company. Truck. 1,521,029; Dec. 30.

Lock Clip and Folder Company. (See Clark, Charles M., assignor.)
 Locomotive Stoker Company. (See Kusebauch, Anton K., assignor.)
 Longanesi, Paolo, Bologna, Italy. Puff-paste roller. 1,521,455; Dec. 30.
 Louis, Charles W., et al. (See Louis, Terrence G., assignor.)
 Louis, Terrence G., assignor of one-third to O. B. Deane, Jr., and one-third to C. W. Louis, Springfield, Mass. Variometer. 1,521,585; Dec. 30.
 Lowe, George J. (See Dormont, Frank C., assignor.)
 Lubin, Lewi, Brooklyn, N. Y. Watchcase. 1,521,456; Dec. 30.
 Lucas, John T., and C. R. Gamble, Minneapolis, Minn. Meter bracket. 1,521,457; Dec. 30.
 Lund, Matthew, assignor to Valley City Machine Works, Grand Rapids, Mich. Valve and valve connection. 1,521,247; Dec. 30.
 Mans, Elov F., Long Branch, N. J. Mounting fixture or device. 1,521,383; Dec. 30.
 Macartney, Kenneth H. (See Owen, H. E. L., and Macartney.)
 MacFarland, Ails M., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrically-heated solder pot. 1,521,031; Dec. 30.
 MacGahan, Paul, Pittsburgh, and H. P. Sparkes, Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,521,032; Dec. 30.
 Mackey, John W., Detroit, Mich. Safety pin. 1,521,113; Dec. 30.
 Macnab Stratified Coal Limited. (See Harrison, John S., assignor.)
 MacPherson, Hugh D., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,521,159; Dec. 30.
 MacPherson, Hugh D., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Toll switching system. 1,521,160; Dec. 30.
 Macredie, Alexander E., et al. (See Remus, William F., assignor.)
 Macy, R. H., & Co. (See Von Kersburg, Harry E., assignor.)
 Madden, James P., assignor to Bethlehem Steel Company, Bethlehem, Pa. Variable-pressure power pump. 1,521,461; Dec. 30.
 Maddox, Homer V., Los Angeles, Calif. Traffic signal. 1,521,462; Dec. 30.
 Mahan, William H., Peoria, Ill. Conductor's equipment case. 1,521,248; Dec. 30.
 Mahnert, Fritz. (See Barmé, F., and Mahnert.)
 Mahtesian, Nerses H., Watertown, N. Y. Railway gate. 1,521,307; Dec. 30.
 Malone, George E., Hartford, Conn. Multiform tool. 1,520,834; Dec. 30.
 Malzacher, Walther, Traisen, Austria. Runner brick and manufacturing the same. 1,521,463; Dec. 30.
 Marbach, Frank G., Cleveland, Ohio. Metal chest. 1,520,907; Dec. 30.
 Marcusson, Julius, Lichterfelde, near Berlin, Germany, assignor to T. H. Gary, New York, N. Y. Making oil-proof concrete bodies. 1,521,384; Dec. 30.
 Marks, Herbert E., Glen Osborne, Pa. Forming reinforced cementitious slabs. 1,520,878; Dec. 30.
 Marsh, Ernest R. (See Ackerkirch, W. C., and Marsh.)
 Marshall, Burns H., Detroit, Mich. Toy. 1,521,161; Dec. 30.
 Martin, Homer D. (See Murphy, William N., assignor.)
 Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft. (See Pielstick, Gustav, assignor.)
 Mastrarrigo, Salvatore. (See Goldstein, B., and Mastrarrigo.)
 Mastrarrigo, Salvatore, et al. (See Goldstein, B., and Mastrarrigo, assignors.)
 Mathis, Benedict H., Warren, Pa. Oil-tank valve. 1,521,033; Dec. 30.
 Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,521,199; Dec. 30.
 Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,521,200; Dec. 30.
 Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,521,034; Dec. 30.
 Mayeda, Etsuji E., New York, N. Y. Clasp for dental mirrors. 1,521,114; Dec. 30.
 McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Recovering aluminum chloride. 1,520,831; Dec. 30.
 McBroom, Otey B., Roxboro, N. C. Bottle. Des. 66,329; Dec. 30.
 McCaa, David G., Lancaster, assignor to The Electric Apparatus Co., Parkersburg, Pa. Receiving system. 1,521,380; Dec. 30.
 McCarthy, William J. (See Miller, S. A., and McCarthy.)
 McCartney, Elmer B., assignor to Toro Motor Company, Minneapolis, Minn. Tractor. 1,521,458; Dec. 30.
 McConnell, John B., Montreal, Quebec, Canada. Shirt cuff. 1,520,832; Dec. 30.
 McCoy, Grover C., Pontiac, Ill. Straightedge for laying shingles. 1,521,459; Dec. 30.

McGoy, Julius C., Athens, W. Va. Cigarette container. 1,521,460; Dec. 30.
 McIlmet, John R., Jeannette, assignor to E. J. Company, Pittsburgh, Pa. Treating water. 1,521,306; Dec. 30.
 McGhee, James W., assignor of one-half to J. J. Links, Los Angeles, Calif. Non-sew-on ring. 1,521,461; Dec. 30.
 McGrath, James N., Jr. (See Fulkora, Fred, assignor.)
 McHugh, Patrick J., Cincinnati, Ohio. Automobile tire filler. 1,520,760; Dec. 30.
 McKechnie, James, Barrow-in-Furness, Lancaster County, assignor to Vickers Limited, Westminster, England. Supplying liquid fuel to internal-combustion engines. 1,520,833; Dec. 30.
 McLean, Lee A., St. Louis, Mo. Cigar and making the same. 1,520,761; Dec. 30.
 McNeill, Alan M., et al. (See Remus, William F., assignor.)
 McPherson, James, New York, N. Y. Condenser-tube extractor. 1,521,381; Dec. 30.
 McPherson, James, New York, N. Y. Condenser-tube-plug extractor. 1,521,382; Dec. 30.
 Meadows, Albert. (See Sherman, A. G., and Meadows.)
 Meagher, Francis J., New York, N. Y. Door controller. 1,521,162; Dec. 30.
 Mefford, Fred E. (See Thaete, W. L., and Mefford.)
 Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiving electrical oscillations. 1,520,835; Dec. 30.
 Meissner, Clement F., assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill. Laundry machinery. 1,520,762; Dec. 30.
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Forging furnace. 1,521,035; Dec. 30.
 Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Percussive tool. 1,521,036; Dec. 30.
 Mergott, J. E., Company, The. (See Fuller, Franz A., assignor.)
 Merrill, Frank W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Regulating the voltage of distribution systems. 1,521,586; Dec. 30.
 Messenger, Jack E., Des Moines, Iowa. Brake-lever spring. 1,521,308; Dec. 30.
 Messer, Adolf, Frankfurt-on-the-Main, Germany. Device for the production of compressed oxygen from liquid oxygen. 1,521,385; Dec. 30.
 Metal Forms Corporation. (See Pulls, O. B., and Anderson, assignors.)
 Mewes, Rudolf F. and R. K. E., Berlin, Germany. Separating gas mixtures under pressure. 1,521,115; Dec. 30.
 Mewes, Rudolf K. E. (See Mewes, Rudolf F. and R. K. E.)
 Meyer, Arthur R., Chicago, Ill. Brush for cleaning nasal passages. 1,520,908; Dec. 30.
 Miller, Benjamin D., Wooster, Ohio. Ice-cream dispenser. 1,520,763; Dec. 30.
 Miller, George P., Foxcroft, Me. Machine for bevelling the edges of optical lenses. 1,521,116; Dec. 30.
 Miller, George P., Dover-Foxcroft, Me. Axometer. 1,521,117; Dec. 30.
 Miller, Harry G., assignor to The Vocalstyle Music Company, Cincinnati, Ohio. Music sheet. 1,521,559; Dec. 30.
 Miller, J. Hall. (See Camp, Warner H., assignor.)
 Miller, Robert E., Waynesville, N. C. Wrench. 1,521,464; Dec. 30.
 Miller, Stephen A., and W. J. McCarthy, Bakersfield, Calif. Oil separator. 1,521,309; Dec. 30.
 Mills, William P., assignor to Moore Push-Pin Company, Philadelphia, Pa. Pushpin card. 1,521,465; Dec. 30.
 Mills, William P., assignor to Moore Push-Pin Company, Philadelphia, Pa. Picture-book card package. 1,521,466; Dec. 30.
 Milne, Harry, assignor of one-half to H. A. Blodgett, Edmonton, Alberta, Canada. Auto lunch box. 1,520,879; Dec. 30.
 Mitchell Machine Company. (See Mitchell, Robert J., assignor.)
 Mitchell, Marlon C., Chicago, Ill., assignor to Sullivan Machinery Company. Truck. 1,521,037; Dec. 30.
 Mitchell, Robert J., assignor to Mitchell Machine Company, Washington, D. C. Keyboard for mail-distributing machines. 1,520,836; Dec. 30.
 Miyasaki, Yuske, Hubbard, Ohio. Bumper. 1,521,548; Dec. 30.
 Mock, Dwight S., Syracuse, Ind. Cost-computing machine. 1,520,958; Dec. 30.
 Moore, John E., Blackburn, England. Adjustable thread-selecting device. 1,521,103; Dec. 30.
 Moore, Noble L., Mitchell, Ind. Mixing and agitating device. 1,521,038; Dec. 30.
 Moore Push Pin Company. (See Mills, William P., assignor.)
 Moore, Robert A., assignor to Ram Metal Products Co., Inc., New York, N. Y. Cake turner. 1,520,959; Dec. 30.
 Moore, T. Fred. (See Wadsworth, Charles W., assignor.)
 Moran, Clyde F., Southgate Gardens, Calif. Combination tool case. 1,521,310; Dec. 30.

Morgan Construction Company. (See Edwards, Victor E., assignor.)
 Morgan Construction Co. (See Isley, George H., assignor.)
 Morgan, Francis L., and A. C. Dewey, Washington, Iowa. Parachute container. 1,521,118; Dec. 30.
 Morgan, John S., London, England. Producing chemical reactions by action of heat. 1,521,549; Dec. 30.
 Morgan, Joseph P., Thorp, Wis. Automobile radiator. 1,520,837; Dec. 30.
 Morgan, Rees C., assignor to Bethlehem Steel Company, Bethlehem, Pa. Milling cutter. 1,521,467; Dec. 30.
 Mountain, Edward, assignor of one-half to G. Mountain, Jr., Greenville, Me. Buoyant raft. 1,520,838; Dec. 30.
 Mountain, George, Jr. (See Mountain, Edward, assignor.)
 Mrabunco, Gregorio, New York, N. Y. Knife. 1,521,311; Dec. 30.
 Mueller, William G., Chicago, assignor, by mesne assignments, to A. J. Gerrard, Cicero, Ill. Box-strapping machine. 1,521,201; Dec. 30.
 Muhlenbruch, Otto R. G., Decatur, Ill. Automobile radiator attachment. 1,521,164; Dec. 30.
 Muhlhausen, William C., Brooklyn, N. Y. Electric torch holder. 1,520,839; Dec. 30.
 Murphy, Melvin P., Chesterfield, Ill. Piston-aligning tool. 1,521,119; Dec. 30.
 Murphy, Thomas J., et al. (See Nelson, Paul, assignor.)
 Murphy, William N., assignor of one-half to H. D. Martin, Detroit, Mich. Mail box. 1,521,120; Dec. 30.
 Murray, Thomas E., Brooklyn, N. Y. Apparatus and method for molding conduits and the like. 1,520,840; Dec. 30.
 Musso, Fausto, Newcastle, Wyo. Wire stretcher. 1,520,841; Dec. 30.
 Myers, Philip, Glenview, Ill. Wheeled toy. 1,521,573; Dec. 30.
 Nagelmann, Clemens B., Santa Barbara, Calif. Internal-combustion engine. 1,520,960; Dec. 30.
 Nathanson, William, et al. (See Nathanson, W., and Behm, assignors.)
 National Lock Co. (See Alden, Gedor W., assignor.)
 Nelli, Bertram, Norwalk, Calif. Oil separator. 1,521,386; Dec. 30.
 Nelson, Bertha E., New York, N. Y. Skirt guard. 1,521,121; Dec. 30.
 Nelson, Paul, Morantown, W. Va., assignor of forty-five one-hundredths to I. S. Gemas and ten one-hundredths to T. J. Murphy, Martins Ferry, Ohio. Apparatus for trimming and perforating sheet-metal packs. 1,521,312; Dec. 30.
 Newcastle-upon-Tyne & Gateshead Gas Company. (See Wikner, Sigurd W. A., assignor.)
 Newman, Harry C., assignor of one-third to H. D. Eberle and one-third to S. C. Rogers, Los Angeles, Calif. Jack. 1,520,842; Dec. 30.
 Newman, Hugo, New York, N. Y. Combined optical projecting machine and slide carrier. 1,521,122; Dec. 30.
 Ney, J. M., Company, The. (See Pfunder, Emil L., assignor.)
 Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Sliding closure. 1,521,039; Dec. 30.
 Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,521,040; Dec. 30.
 Nielsen, Niels J., Aarhus, Denmark. Sterilizing and filling in of milk for transport. 1,520,880; Dec. 30.
 Nielsen, Niels J., Aarhus, Denmark. Apparatus for closing hermetic boxes or the like. 1,520,881; Dec. 30.
 Niles-Bement-Pond Company. (See Blood, H. L., and Cole, assignors.)
 Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
 Nizamis, Efthimios, Kalamazoo, Mich. Automobile signal. 1,520,961; Dec. 30.
 Nathanson, William, and J. Behm, assignors, by mesne assignments, of one-third to W. Nathanson, one-third to J. Behm, and one-third to O. A. Zinke, Chicago, Ill. Making seamless pipe connections. 1,520,764; Dec. 30.
 Nordberg Manufacturing Company. (See Buettner, Rudolph W., assignor.)
 Nordlund, Patrick, Dodson, Mont. Harness bit. 1,521,468; Dec. 30.
 North, Herman A., Bogota, N. J. Protective garment. 1,520,962; Dec. 30.
 Norton Door Closer Company. (See Norton, Lewis C., assignor.)
 Norton, Lewis C., assignor to Norton Door Closer Company, Chicago, Ill. Door-closing device and doorcheck. 1,520,765; Dec. 30.
 Norton, Silas E., East Orwell, Ohio. Adjustable window screen. 1,521,550; Dec. 30.
 Nyilas, Géza, Hermand, Czechoslovakia. Jacket capable of conversion into a knapsack or tourist's ground sheet or litter. 1,520,963; Dec. 30.
 Oakes, George W., Crystal City, Mo., assignor to Pittsburgh Plate Glass Company. Plate-glass-polishing machine. 1,520,766; Dec. 30.
 Oechslein, Carl, Ablon, France. Preparation of aliphatic arsenical derivatives from aceto-arsenious anhydride. 1,521,560; Dec. 30.
 Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
 Ohio Truss Company, The. (See Pense, Isaac M., assignor.)

Oil Products Appliance Co. (See Scheu, William, assignor.)
 Oldroyd, Cyrus S., Cincinnati, Ohio. Mechanism for Old South Cone Company. (See Smith, Benjamin.) transmitting motion. 1,521,313; Dec. 30.
 Ollinger, Thomas, assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich. Sheet metal damper clip. 1,521,249; Dec. 30.
 Ollinger, Thomas, assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich. Damper construction and clip therefor. 1,521,250; Dec. 30.
 Ollendorff, Gerhard. (See Becker, O., and Ollendorff.)
 O'Neill Machine Co., The. (See Kinker, Clarence C., assignor.)
 Opsahl, Harry L., Minneapolis, Minn. Spark-plug carrier and testing device. 1,521,041; Dec. 30.
 Orr, Edwin F., North Richmond, Melbourne, Victoria, Australia. Note-sheet-guiding device for player pianos and the like. 1,521,561; Dec. 30.
 Osborne, Livingston E. (See Clarizio, Giacomo, assignor.)
 Oswood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company, Clutch. 1,521,042; Dec. 30.
 Oswood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Clutch mechanism. 1,521,043; Dec. 30.
 Oswood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Puller device. 1,521,202; Dec. 30.
 Ostenberg, Zeno, assignor to The Caltex Company, San Jose, Calif. Centrifuge. 1,520,767; Dec. 30.
 Ostrowski, Alfons, assignor to Ostrowski & Co., Berlin, Germany. Luncheon box and the like. 1,520,964; Dec. 30.
 Ostrowski & Co. (See Ostrowski, Alfons, assignor.)
 Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
 Owen, Henry E. L., and K. H. Macartney, Port Arthur, Ontario, Canada. Fastening device. 1,520,768; Dec. 30.
 Paris Laboratories. (See Lichtentag, Hortense.)
 Parker, Alexis D., Villa Nova, assignor to American Briquet Company, Philadelphia, Pa. Mixing machine. 1,521,044; Dec. 30.
 Parks Bros. & Rogers. (See Forsell, Frans E., assignor.)
 Paskin, Louis. (See Lichtentag, Hortense, assignor.)
 Paskin, Ruth, administratrix. (See Lichtentag, Hortense.)
 Pate, Robert L., Springfield, Mo. Radiator curtain or cover. 1,520,843; Dec. 30.
 Patent Button Company, The. (See Carley, Leonard R., assignor.)
 Pavitt, William H., Brooklyn, assignor of one-third to L. Wilputte and two-thirds to A. A. Wilputte, New Rochelle, N. Y. Coke oven. 1,521,123; Dec. 30.
 Pawlikowski, Rudolf, Gorlitz, Germany. Horizontal sifter for the manufacture of paper pulp and cellulose with a screen submerged in the aqueous paper pulp. 1,521,469; Dec. 30.
 Payne, Matt, assignor of one-half to Hobdell, Way and Company, Limited, London, England. Electromagnetic transmission of power on vehicles. 1,521,562; Dec. 30.
 Payne, Walter B., assignor to Todd Photograph Co., Rochester, N. Y. Motor-driven printing machine. 1,521,314; Dec. 30.
 Pearl, Eugene, Passaic, N. J. Vertical filling device. 1,521,470; Dec. 30.
 Pease, Isaac M., assignor to The Ohio Truss Company, Cincinnati, Ohio. Abdominal support. 1,521,315; Dec. 30.
 Peck Stow & Wilcox Co., The. (See Hahnemann, Paul R., assignor.)
 Pegz, Ethelyn A., Hollywood, Calif. Hat. Dec. 66,331; Dec. 30.
 Pelton, John C., Pasadena, Calif. Apparatus for producing concrete castings. 1,521,316; Dec. 30.
 Pérez, Manuel H., San Pedro Sula, Honduras. Hand embroidery machine. 1,521,165; Dec. 30.
 Pericle, Jesse M., Hutchinson, Minn. Snap hook. 1,521,387; Dec. 30.
 Perkins, Elmer E., assignor to Elmer E. Perkins Company, Chicago, Ill. Drying kiln. 1,520,844; Dec. 30.
 Perkins, Elmer E., Company. (See Perkins, Elmer E., assignor.)
 Peterson, John J., Steubenville, Ohio. Floor-scrubbing machine. 1,520,769; Dec. 30.
 Pettersen, Albert, Grenaker Station, Norway. Sofa bed. 1,521,471; Dec. 30.
 Pettitt, Harry V. (See Bleckford, Guy R., assignor.)
 Pfeigor, Carroll, assignor to The Scientific Apparatus Corporation, Milton, Pa. Fluid lens. 1,521,563; Dec. 30.
 Pfunder, Emil L., Windsor, assignor to The J. M. Ney Company, Hartford, Conn. Collet chuck. 1,520,882; Dec. 30.
 Pfunder, Emil L., Windsor, assignor to The J. M. Ney Company, Hartford, Conn. Chuck. 1,520,883; Dec. 30.
 Philadelphia Textile Machinery Company, The. (See Ayres, Elwood B., assignor.)
 Philippe, Florent, sr., South Charleston, W. Va. Towel hanger. 1,521,472; Dec. 30.
 Phillips, Robert H., Kensington, Md. Track construction. 1,521,564; Dec. 30.

Pielstick, Gustav, assignor to the Firm Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Piston and piston rod of internal-combustion engines. 1,521,388; Dec. 30.
 Pielstick, Gustav, assignor to the Firm Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Liquid-fuel spraying and injecting device. 1,521,389; Dec. 30.
 Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Controlling means for fabric cages for knitting machines. 1,521,574; Dec. 30.
 Pike, George J., Grand Rapids, Mich., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph cabinet. Dec. 66,332; Dec. 30.
 Pike, George J., Grand Rapids, Mich., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph cabinet. Dec. 66,333; Dec. 30.
 Pike, George J., Grand Rapids, Mich., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph cabinet. Dec. 66,334; Dec. 30.
 Pilkinton, George J., assignor to United States Tent & Awning Company, Chicago, Ill. Tent structure. 1,520,719; Dec. 30.
 Pine, George T., Scott Depot, W. Va. Game. 1,521,473; Dec. 30.
 Pitcher, Walter F., Joliet, Ill. Toe calk for horseshoes. 1,520,884; Dec. 30.
 Pitman, Frank P. (See Bain, W. C., and Pitman.)
 Pittsburgh Plate Glass Company. (See Erlisson, Gustav E., assignor.)
 Pittsburgh Plate Glass Company. (See Oakes, George W., assignor.)
 Plasters, Emma E., Hyattsville, Wyo. Dishwasher. 1,521,124; Dec. 30.
 Pollard, Willard L., Evanston, assignor to Air-Lite Auto Top Company, Chicago, Ill. Automobile inclosure construction. 1,520,770; Dec. 30.
 Porter, Frank R., Washington, D. C. Display stand. Dec. 66,335; Dec. 30.
 Postal, David. (See Hammer, S., and Postal.)
 Potthast, Walter H., Manning, Iowa. Trap. 1,521,474; Dec. 30.
 Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,520,909; Dec. 30.
 Powers, Frank T., Little Neck, N. Y. Plate burning or drying apparatus. 1,520,720; Dec. 30.
 Poyas, Karl H., Los Angeles, Calif. Carrier for automobile curtains and the like. 1,521,045; Dec. 30.
 Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
 Pratt & Whitney Company. (See Schramm, C., and Vokal, assignors.)
 Pratt & Whitney Company. (See Teller, Spencer, J., assignor.)
 Pratt & Whitney Company. (See Thacher, John J., assignor.)
 Prichard, George L., and H. Henderson, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Oil heating furnace and the like. 1,520,771; Dec. 30.
 Pugh, Charles H., Limited. (See Bull, George F., assignor.)
 Pugh, John D., Baltimore, Md. Hot-metal car. 1,521,317; Dec. 30.
 Pulis, Oscar B., Milwaukee, Wis., and M. S. Anderson, Bay Shore, N. Y., assignors to Metal Forms Corporation, Milwaukee, Wis. Steel aligner. 1,520,965; Dec. 30.
 Purdy, Frederick, Chicago, Ill. Circulating system. 1,521,475; Dec. 30.
 Puritan Cabinet Dryer Company, The. (See Campbell, Lewis G., assignor.)
 Putnam, Walter T., assignor to Davis & Furber Machine Company, North Andover, Mass. Variable-speed driving mechanism for condensers. 1,521,318; Dec. 30.
 Pye, Carl F., Winnipeg, Manitoba, Canada. Box-lid remover. 1,521,476; Dec. 30.
 Rachlin, Max, assignor of one-half to S. M. Gold, New York, N. Y. Incandescent-lamp lock. 1,521,251; Dec. 30.
 Rackham, George J., assignor to Yellow Coach Manufacturing Company, Chicago, Ill. Radiator filler cap and the like. 1,521,125; Dec. 30.
 Rackham, George J., assignor to Yellow Coach Manufacturing Company, Chicago, Ill. Motor vehicle. 1,521,126; Dec. 30.
 Radio Pictures Corporation. (See Jenkins, Charles F., assignor.)
 Ram Metal Products Co. (See Moore, Robert A., assignor.)
 Randies, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Washing and wringing machine. 1,520,886; Dec. 30.
 Randies, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Reversing gearing for clothes wringers. 1,520,887; Dec. 30.
 Rankin, Forrest J., St. Louis, Mo. Process of and apparatus for oxidizing carbon compounds. 1,520,885; Dec. 30.
 Ransbeta, Elle G. (See Beeselman, John F., assignor.)
 Rast, Felix Q., New York, N. Y., assignor to Lightfoot Schultz Company, Hoboken, N. J. Container. 1,521,319; Dec. 30.

Rau, Fred, Milwaukee, Wis. Antiskid device. 1,521,320; Dec. 30.
 Rauchwetter, Franz, deceased, Berlin-Friedenau, by A. Plater, administrator, Berlin, Germany. Clearing-sign hammer mechanism. 1,521,477; Dec. 30.
 Rauland, Einar N. A., Chicago, Ill. Transformer. 1,521,252; Dec. 30.
 Reed, Daniel A., Dunkirk, N. Y. Automobile headlight screen. 1,521,321; Dec. 30.
 Reed, Edgar H., Worcester, Mass. Making thread-rolling dies. 1,521,322; Dec. 30.
 Reeder, John W., Spokane, Wash. Insect trap. 1,521,323; Dec. 30.
 Reeves, Reuben G., Bridgeton, N. J. Sail control. 1,521,478; Dec. 30.
 Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
 Reiner, Robert, Wheelawken, N. J. Stretching frame for embroidery machines. 1,520,966; Dec. 30.
 Reinforced Paper Bottle Corporation. (See Koch, Lydla B., assignor.)
 Reisinger, George, Rochester, N. Y. Bumper for vehicles. 1,521,046; Dec. 30.
 Reliance Company, The. (See Wilms, Gustav O., assignor.)
 Remus, William F., Ranawatana, assignor of one-sixth to A. B. Macredia, one-sixth to C. F. Cork, three-twelfths to A. M. McNeill, and three-twelfths to W. J. Abbott, Auckland, New Zealand. Preparation of meat powders. 1,521,127; Dec. 30.
 Renault, Louis. (See Salves, Léon, assignor.)
 Renne, Joseph E., Paterson, N. J. Yielding pitman for looms. 1,521,166; Dec. 30.
 Revelli, Bethel A., Turin, Italy. Magazine for firearm. 1,521,324; Dec. 30.
 Reynolds, Charles B., Whittier, Calif. Mud and oil stripper. 1,521,390; Dec. 30.
 Reynolds, John H., Los Angeles, Calif. Flying machine. 1,521,047; Dec. 30.
 Reynolds, Raymond C., Muncie, Ind. Sifting device. 1,521,325; Dec. 30.
 Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. 1,520,721; Dec. 30.
 Ricardo, Harry R., London, England. Internal-combustion engine. 1,520,772; Dec. 30.
 Richard, Charles D., New Brighton, assignor to Western Electric Company, Incorporated, New York, N. Y. Calling device. 1,520,910; Dec. 30.
 Ricks, Fred. (See Gouldbourn, J., and Ricks.)
 Rignante, Joseph, Mineola, N. Y. Shoe-tree. 1,521,048; Dec. 30.
 Rimmer, Gilbert, Wigan, England, assignor to Sullivan Machinery Company, Truck. 1,521,049; Dec. 30.
 Rissman, Paul, Detroit, Mich. Fastener making and driving tool. 1,520,722; Dec. 30.
 Roach, Patrick J., and D. Carter, Toronto, Ontario, Canada. Liquid meter. 1,521,391; Dec. 30.
 Robertson, Harry M., Cleveland, Ohio, assignor to American Dresser Tunnel Kilns, Inc., New York, N. Y. Combination open and muffle kiln and operating the same. 1,521,392; Dec. 30.
 Robertson, Marie F., New York, N. Y. Silencer for type-writing machines. 1,521,050; Dec. 30.
 Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Smash protector for looms. 1,521,253; Dec. 30.
 Robinson, Thomas, Babylon, N. Y., assignor to Anaconda Sales Company. Roofing element. 1,521,128; Dec. 30.
 Rochester Industries, Inc. (See Bates, Harry, assignor.)
 Roehrig, Bernard F., San Francisco, Calif. Sealing device. 1,521,203; Dec. 30.
 Rogers, Spencer C., et al. (See Newman, Harry C., assignor.)
 Rogier, Max, Ratingen, Germany. Apparatus for tapping liquids such as paint from receptacles. 1,521,564; Dec. 30.
 Rollings, Milton W., Hendersonville, N. C. Grate. 1,521,204; Dec. 30.
 Rønne, Einar, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Process and apparatus for utilization of the combustion gases from rotary cement-burning kilns. 1,521,129; Dec. 30.
 Rosedale Foundry & Machine Company. (See Holt, Harris B., assignor.)
 Ross, James T., assignor to Bullet Proof & Non Shatterable Glass Corporation, New York, N. Y. Speech vent. 1,521,393; Dec. 30.
 Rossman, Edwin F. (See Lincoln, C. A., and Rossman.)
 Rothweiler, Harvey N., Seattle, Wash. Automobile brake shoe. 1,520,967; Dec. 30.
 Rudduck, Clarence M., Springfield, Ohio. Corn harvester. 1,520,723; Dec. 30.
 Rutledge, Charles B. (See Boyce, F. E., and Rutledge.)
 Salves, Léon, assignor to L. Renault, Billancourt, France. Brake for automobile vehicles. 1,520,773; Dec. 30.
 Salsich, Neil E., Bethlehem, Pa. Mine railway construction. 1,521,254; Dec. 30.
 Sanchez, Juan E. R., San Jose, Costa, Rica. Floor cleaning and polishing apparatus. 1,520,888; Dec. 30.
 Sandusky, Jefferson. (See Anderson, Andrew B., assignor.)
 Sanford, Joseph H., Pasadena, Calif. Peanut heater. 1,521,394; Dec. 30.

Sartory, Peter, Bayswater, London, England. Steaming tube for hair waving and curling. 1,520,968; Dec. 30.
 Sargy, Edwin, assignor to Hoesch Lamp Company, San Francisco, Calif. Smoker's stand. Des. 66,336; Dec. 30.
 Sawtelle, Elmer S., Cincinnati, assignor to The Tool Steel Gear & Pinion Company, Elmwood Place, Ohio. Power-transmission mechanism. 1,521,565; Dec. 30.
 Sayles Finishing Plants, Inc. (See Flick, Lorenz, assignor.)
 Schanze, Gustavus A. (See Jencick, Stephen, assignor.)
 Schanze, P. L., administrator. (See Jencick, Stephen.)
 Schanze, Prosper L. (See Jencick, Stephen, assignor.)
 Scherle, Charles, San Antonio, Tex. Railway-switch lamp. 1,520,774; Dec. 30.
 Schen, William, assignor to Oil Products Appliance Co., Maywood, Ill. Multiple-compartment tank. 1,521,235; Dec. 30.
 Schick, Henry, Buhl, Idaho. Agricultural implement. 1,521,395; Dec. 30.
 Schmidt, Otto, Berlin-Tegel, Germany. Weighing scale. 1,520,775; Dec. 30.
 Schneider, Hermann. (See Straub, F., and Schneider.)
 Schneider, Otto, Dresden, Germany. Electrode of accumulators. 1,520,724; Dec. 30.
 Schrader, Herbert, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Method of and apparatus for cutting and applying ring liners to can covers. 1,521,328; Dec. 30.
 Schramm, Carl, West Hartford, and P. F. Vokal, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Relieving machine. 1,521,326; Dec. 30.
 Schriber, O. P., Company, The. (See Webster, Walter H., assignor.)
 Schumacher, Henry, Buffalo, N. Y. Asphalt cutter. 1,521,327; Dec. 30.
 Schwelzer, Edmund O., Chicago, Ill. Adapter for electrical fixtures. 1,521,130; Dec. 30.
 Scientific Apparatus Corporation, The. (See Pfeeger, Carroll, assignor.)
 Scott, Archibald D., deceased, by M. V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company. Winding machine. 1,521,396; Dec. 30.
 Scott, Braxton L., Charendon, Va. Mail-box attachment. 1,521,397; Dec. 30.
 Scott, Mary V., executrix. (See Scott, Archibald D.)
 Scott, Robert W., Babylon, N. Y. Stocking having a thickened wale structure and knitting the same. 1,521,256; Dec. 30.
 Scott, Wirt S., Bozman, Md. Preheating recuperative furnace. 1,520,911; Dec. 30.
 Seovill Manufacturing Company. (See King, G. A., and Simons, assignors.)
 Seovill Manufacturing Company. (See Warner, Frank E., assignor.)
 Serable, Carl, Urbana, Ohio. Tractor. 1,520,912; Dec. 30.
 Seagrave, Walter H., Cleveland, Ohio. Indicator for indoor golf games. 1,520,725; Dec. 30.
 Sears, Willard T., Montclair, N. J., assignor to Niles-Rement-Pond Company, New York, N. Y. Rail-clamping mechanism. 1,521,329; Dec. 30.
 Sears, Willard T., Montclair, N. J., assignor to Niles-Rement-Pond Company, New York, N. Y. Drilling machine. 1,521,330; Dec. 30.
 Sease, Virgil B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separator for electric batteries. 1,520,889; Dec. 30.
 Sechrist, James B., Red Lion, Pa. Bed hook pin. 1,520,890; Dec. 30.
 Seidley, Reginald F., Philadelphia, Pa. Clutch wrench. 1,521,331; Dec. 30.
 Sedlack, Daniel E., Newark, N. J. Bag lock. 1,521,131; Dec. 30.
 Selvig, John N. (See Kochendorfer, F. S., and Selvig.)
 Seyferth, Alfred, Chicago, Ill. Concrete garbage can. 1,521,398; Dec. 30.
 Shakespeare Company. (See Clickner, Earle, assignor.)
 Shapiro & Aronson, Inc. (See Kleit, Max, assignor.)
 Sharp, Ira D., Nicholasville, Ky. Apparatus for printing photographic prints from negatives. 1,521,399; Dec. 30.
 Shaver, Archibald G., Chicago, Ill. assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Shunting or trip device. 1,521,332; Dec. 30.
 Shaw, Henry, Homebush, New South Wales, Australia. Exhaust ejection attachment and muffler for internal-combustion engines. 1,521,400; Dec. 30.
 Shaw, Joseph A., assignor to The Koppers Company, Pittsburgh, Pa. Purifying gases. 1,520,726; Dec. 30.
 Sheer, H. M., Company. (See Sheer, Henry M., assignor.)
 Sheer, Henry M., assignor to H. M. Sheer Company, Quincy, Ill. Maintained oil-level-regulating device. 1,521,401; Dec. 30.
 Sherlock, C. B., Patent Investment Company. (See Sherlock, Charles B., assignor.)
 Sherlock, Charles B., Baltimore, Md., assignor to C. B. Sherlock Patent Investment Company, Philadelphia, Pa. Ice-shaving scoop and can opener. 1,521,479; Dec. 30.
 Sherman, Alvin G., and A. Meadows, assignors to Detroit Vapor Stove Company, Detroit, Mich. Gas-cock assembly. 1,521,333; Dec. 30.
 Shiba, Yachiro, San Jose, Calif. Combined finger ring and cord cutter. 1,521,051; Dec. 30.

Shover, Barton R., Pittsburgh, Pa. Control mechanism for electric furnaces. 1,521,402; Dec. 30.
 Signode System, Inc. (See Livingston, Richard D., assignor.)
 Silva, Franklin J., Oakland, assignor to M. M. Kahn, San Francisco, Calif. Drawbar attachment for tractors. 1,521,052; Dec. 30.
 Silvernail, William W. (See Bergmann, Carl, Jr., assignor.)
 Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,521,053; Dec. 30.
 Simon, Maurice, assignor to Beehler Steel Products Company, St. Louis, Mo. Electric soldering iron and making the same. 1,520,913; Dec. 30.
 Simons, Ernest D. (See King, G. A., and Simons.)
 Simpson, R. W. (See Briley, O. M., and Blunt, assignors.)
 Sims, Jesse G., Crown City, Ohio. Wrench. 1,521,403; Dec. 30.
 Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
 Sippert, Matthias, Bentley, N. Dak. Computing machine. 1,520,727; Dec. 30.
 Skelton, James C., Santa Monica, Calif. Sanitary laundry box. 1,521,334; Dec. 30.
 Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-actuated inlet valve for rock drills. 1,520,728; Dec. 30.
 Sleeper, Harvey P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature indicator. 1,520,915; Dec. 30.
 Smart, Frank C., Hartford, Conn. Ratchet-action scroll and jaw-slide lathe chuck. 1,520,969; Dec. 30.
 Smith, F. L., & Co. (See Easting, John S., assignor.)
 Smith, F. L., & Co. (See Ronne, Elmar, assignor.)
 Smith, Augustus, Roselle, assignor to Berger Point Iron Works, Bayonne, N. J. Transfer apparatus. 1,521,404; Dec. 30.
 Smith, Benjamin, assignor to Old South Cone Company, Chelsea, Mass. Ice-cream cone. Des. 66,337; Dec. 30.
 Smith, Benjamin, et al. (See Smith, Benjamin, assignor.)
 Smith, Elmer H., Minneapolis, Minn. Preheating torch. 1,521,335; Dec. 30.
 Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,521,336; Dec. 30.
 Smith, Richard R., assignor to Union Tool Company, Torrance, Calif. Underreamer. 1,520,971; Dec. 30.
 Smith, Warren S., Bangor, Pa. Dispensing display rack. 1,520,970; Dec. 30.
 Snlegockl, Anthony, Oakland, Calif. Tailor's measuring device. 1,521,054; Dec. 30.
 Snyder, Corydon G., Oak Park, Ill. Chart for memorizing wireless codes. 1,521,566; Dec. 30.
 Societe Nauton Freres & De Marsac et al. (See Tesse, Theodore F., assignor.)
 Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
 Sonsthagen, Ashjorn, Essex, England. Machine for folding paper. 1,521,480; Dec. 30.
 Sousa, John R., Washington, D. C. Automatic parcel-sorting machine. 1,521,405; Dec. 30.
 Sparkes, Harry P. (See MacGahan, P., and Sparkes.)
 Spearling, John C., Cleveland, Ohio. Float for float valves. 1,520,914; Dec. 30.
 Specht, Harry M., Pelham, N. Y. Vehicle wheel. 1,521,257; Dec. 30.
 Specht, Harry M., Pelham, N. Y. Vehicle wheel. 1,521,258; Dec. 30.
 Spencer, Lillian J., Eutaw, Ala. Holder. 1,521,481; Dec. 30.
 Sperry Gyroscope Company, The. (See Sperry, Lawrence B., assignor.)
 Sperry, Lawrence B., Farmingdale, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic apparatus for airplanes. 1,521,132; Dec. 30.
 Spillman, Albert, North Tonawanda, N. Y. Engine piston. 1,520,972; Dec. 30.
 Spurway, Charles H., Lansing, Mich. Soil-testing means and applying and using the same. 1,520,891; Dec. 30.
 Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,520,973; Dec. 30.
 Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,520,974; Dec. 30.
 Standard Car Truck Company. (See Webb, Edwin W., assignor.)
 Standard Development Company. (See Clark, Edgar M., assignor.)
 Standard Electric Products, Inc. (See Costin, Louis J., assignor.)
 Standard Envelope Manufacturing Company, The. (See Altschul, Milton P., assignor.)
 Standley, Meredith G., Cincinnati, and E. White, Milford, Ohio; said White assignor to said Standley. Distress signal. 1,521,567; Dec. 30.
 Standard Oil Company. (See Diggs, Sterling H., assignor.)
 Standard Screw Company. (See Ehrman, Edwin H., assignor.)
 Steele, Hampton A., Lawton, Okla. Tool joint. 1,521,482; Dec. 30.

Steenen, Sverre J., Christiania, Norway. Washing valve for water-closets and the like. 1,520,892; Dec. 30.
 Stella, Pasquale, assignor of one-half to C. Amico, Chicago, Ill. Rail joint. 1,521,337; Dec. 30.
 Stephenson, William S., and G. W. Walton, London, England. Synchronizing rotating bodies. 1,521,205; Dec. 30.
 Sterling, George H., Minneapolis, Minn. Padlock. 1,520,975; Dec. 30.
 Stern, Milton C., assignor to The Egly Register Company, Dayton, Ohio. Handle stop for autographic registers. 1,520,776; Dec. 30.
 Stern, Louis, assignor of one-half to B. Welsbart, New York, N. Y. Lock. 1,520,976; Dec. 30.
 Stevens, Fred, assignor to American Cast Iron Pipe Company, Birmingham, Ala. Prepared gasket and making same. 1,521,483; Dec. 30.
 Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,521,484; Dec. 30.
 Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,520,977; Dec. 30.
 Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,520,978; Dec. 30.
 Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,520,979; Dec. 30.
 Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tread-buffing machine. 1,521,582; Dec. 30.
 Stewart-Warner Speedometer Corporation. (See Van Guilder, Walter, assignor.)
 Stickney, Percy C., Jacksonville, Fla. Emergency rim. 1,520,777; Dec. 30.
 Stillwell, Howard A., Woodbury, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Drilling apparatus. 1,520,778; Dec. 30.
 Stine, Herbert G., administrator. (See Stine, Thomas L.)
 Stine, Thomas L., deceased, Trego, Md.; H. G. Stine, administrator. Amusement device. 1,521,568; Dec. 30.
 Stoewrand, Frederick J., Chicago, Ill., assignor to The Twin Electric Sign Company. Illuminated sign. 1,520,729; Dec. 30.
 Stoll, David, Brooklyn, N. Y. Metal sheet or similar article of manufacture. Des. 66,338; Dec. 30.
 Stolzenberg, Fritz, Shelton, Conn., assignor to Sidney Blumenthal & Company, Inc., New York, N. Y. Imitation fur and producing the same. 1,521,259; Dec. 30.
 Stone, Rufus M., Oklahoma City, Okla. Hydrocarbon burner. 1,521,485; Dec. 30.
 Storrs, Aaron P., assignor to Storrs Mica Company, Oswego, N. Y. Lamp or lantern globe. 1,520,779; Dec. 30.
 Storrs Mica Company. (See Storrs, Aaron P., assignor.)
 Story, David G., Larchmont, N. Y., assignor to Bankers Specialty Corporation, Perth Amboy, N. J. Coin cabinet. 1,520,980; Dec. 30.
 Strandlund, Carl G., and T. Brown, assignors to Deere & Company, Moline, Ill. Wheeled plow. 1,520,981; Dec. 30.
 Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Monazo dye containing two hydroxy-naphthalene nuclei. 1,521,206; Dec. 30.
 Street Bros. Machine Works. (See Street, Joseph P., assignor.)
 Street, John A., Los Angeles, Calif. Toothbrush. 1,520,730; Dec. 30.
 Street, Joseph P., assignor to Street Bros. Machine Works, Chattanooga, Tenn. Cableway carriage. 1,520,780; Dec. 30.
 Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
 Stuart, Alexander T., Toronto, Ontario, Canada. Filter screen. 1,520,781; Dec. 30.
 Suarez, Joseph M., Baltimore, Md. Adjustable support and lifter for covers. 1,521,134; Dec. 30.
 Sullivan Machinery Company. (See Allen, Charles H., assignor.)
 Sullivan Machinery Company. (See Ball, Albert, assignor.)
 Sullivan Machinery Company. (See Dansereau, Omer J., assignor.)
 Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
 Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
 Sullivan Machinery Company. (See Lobbey, Fred T., assignor.)
 Sullivan Machinery Company. (See Maxson, Louis A., assignor.)
 Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
 Sullivan Machinery Company. (See Mitchell, Marlon C., assignor.)

Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
 Sullivan Machinery Company. (See Rimmer, Gilbert, assignor.)
 Sullivan Machinery Company. (See Simmons, Leon E., assignor.)
 Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
 Sullivan, William T., Cincinnati, Ohio. Binding post for calendars. 1,520,982; Dec. 30.
 Superior Boiler Works. (See Walsh, Edward F., assignor.)
 Swanson, John E., Jamaica Plain, assignor to J. E. Swanson, Inc., Boston, Mass. Shoe and making the same. 1,521,338; Dec. 30.
 Swanson, John E., Inc. (See Swanson, John E., assignor.)
 Swartwout Company, The. (See Lauritsen, Charles C., assignor.)
 Swenson, Fritz L., Northfield, Vt. Stencil. 1,521,486; Dec. 30.
 Swiney, Everett E., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Wall construction. 1,520,782; Dec. 30.
 Sylvan, Joseph, Cicero, Ill. Window construction. 1,521,135; Dec. 30.
 Symington, T. H., Company, The. (See Barrows, Donald S., assignor.)
 Taylor, Harvey B., Philadelphia, Pa. Hydraulic turbine. 1,520,783; Dec. 30.
 Taylor, John S., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Closure. 1,520,784; Dec. 30.
 Taylor, Leslie B., Birmingham, England. Projectile. 1,521,406; Dec. 30.
 Taylor, William, Leicester, England. Optical apparatus for instructional purposes. 1,521,339; Dec. 30.
 Taylor, William J., Cameron, Mo. Temporary table stand. 1,520,983; Dec. 30.
 Teltsworth, Clark S., Lompoc, assignor to The Celite Company, Los Angeles, Calif. Semirefractory heat-insulating material and making the same. 1,520,893; Dec. 30.
 Teller, Spencer J., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatic lathe. 1,521,340; Dec. 30.
 Tesse, Theodore F., Paris, assignor to Societe Nauton freres & De Marsac, St. Ouen, and T. F. Tesse, Paris, France. Conted aeroplane cloth and making same. 1,521,055; Dec. 30.
 Tesse, Theodore F., et al. (See Tesse, Theodore F., assignor.)
 Tesse, Theodore F., Paris, France. Composition for coating. 1,521,056; Dec. 30.
 Thatcher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Work support. 1,521,341; Dec. 30.
 Thate, William L., and F. E. Mefford, Colorado Springs, Colo. Headlight-tilting device. 1,521,569; Dec. 30.
 Thomas, Elisha G., assignor to J. F. Herman, Washington, D. C. Antiskidding chain for auto wheels. 1,521,207; Dec. 30.
 Thomas, Harold D., assignor to Vesta Battery Corporation, Chicago, Ill. Searchlight for automobiles. 1,520,894; Dec. 30.
 Thomas, Harry W., and G. W. Lee, Glen Campbell, Pa. Band wrench. 1,521,342; Dec. 30.
 Thomas, Percy H., Upper Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electric insulator. 1,520,984; Dec. 30.
 Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Exhaust box. 1,521,407; Dec. 30.
 Thompson, Elvin, and L. L. Diebel, Alliance, Ohio. Jack. 1,520,785; Dec. 30.
 Thompson, George K., Summit, and J. Eckert, Jr., Maurer, N. J., assignors to Hoyt Metal Company, St. Louis, Mo. Coating ferric articles with a metallic protective. 1,520,731; Dec. 30.
 Thompson, George K., Summit, and J. Eckert, Jr., Maurer, N. J., assignors to Hoyt Metal Company, St. Louis, Mo. Coating ferric articles with a metallic protective. 1,520,732; Dec. 30.
 Thompson, Samuel A., New York, N. Y. Typewriter. 1,521,408; Dec. 30.
 Tinker, Eugene F., Salina, Kans. Amusement device. 1,521,133; Dec. 30.
 Tipton, Edna S., New York, N. Y. Shoppers nail cleaning and polishing set. 1,520,895; Dec. 30.
 Todd Protectograph Co. (See Payne, Walter B., assignor.)
 Tool Steel Gear & Pinion Company, The. (See Sawtelle, Elmer S., assignor.)
 Toro Motor Company. (See McCartney, Elmer B., assignor.)
 Townsend, George H., Bronxville, N. Y. Temperature-responsive instrument. 1,521,343; Dec. 30.
 Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Sand cutting and screening machine. 1,520,916; Dec. 30.
 Trachtenberg, Charles, Brooklyn, N. Y. Suitcase, etc. 1,521,260; Dec. 30.
 Trezona, Charles, Ely, Minn. Safety-apron construction for rotating platforms. 1,521,057; Dec. 30.

Troseth, Ralph, Portland, Oreg. Water-level indicator. 1,520,985; Dec. 30.
 Troy Laundry Machinery Co. (See Meissner, Clement F., assignor.)
 Trumbull Electric Manufacturing Company, The. (See Gatchell, Benjamin E., assignor.)
 Tuguez, Amable S., Philadelphia, Pa. Window sash. 1,521,409; Dec. 30.
 Turner, George E., Hot Springs, S. Dak. Amusement device. 1,521,487; Dec. 30.
 Tschernitschek, Franz, Trautman, Czechoslovakia. Flycatcher. 1,521,261; Dec. 30.
 Tunnell, Harry E., assignor to Fire Gun Manufacturing Company, Inc., New York, N. Y. Liquid projector. 1,521,136; Dec. 30.
 Turnes, John, assignor of one-half to N. T. Harper, Brackenridge, Tex. Nutcracker. 1,521,345; Dec. 30.
 Turney, Harry L., Portland, Oreg. Clutch mechanism. 1,520,733; Dec. 30.
 Turney, Harry L., Portland, Oreg. Driving mechanism. 1,520,734; Dec. 30.
 Turoff, William J., New York, N. Y. Man's waistcoat or vest for dress wear. 1,521,344; Dec. 30.
 Twin Electric Sign Company, The. (See Stoessand, Frederick J., assignor.)
 Tyskiewicz, Adam, Rothschild, Wis. Concrete mold. 1,520,986; Dec. 30.
 Underwood Typewriter Company. (See Kelly, William A., assignor.)
 Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
 Union Tool Company. (See Smith, Richard R., assignor.)
 United Metal Box Company. (See Hammer, S., and Postal, assignors.)
 United Shoe Machinery Corporation. (See Brennan, William J., assignor.)
 United Shoe Machinery Corporation. (See Gouldbourn, J., and Ricks, assignors.)
 United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
 United States Sugar Cane Harvester Corporation. (See Whitney, George F., assignor.)
 United States Tent & Awning Company. (See Pilkinton, George J., assignor.)
 Universal Draft Gear Attachment Company. (See Camp, Percy H., assignor.)
 Valley City Machine Works. (See Lund, Matthew, assignor.)
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabrics. Des. 66,339; Dec. 30.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 66,340; Dec. 30.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 66,341; Dec. 30.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 66,342; Dec. 30.
 Vandergaw, Edward B., Brooklyn, and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 66,343; Dec. 30.
 Van Guilder, Walter, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Two-way switch. 1,521,488; Dec. 30.
 Van Nys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated. Liquefaction of gases. 1,521,138; Dec. 30.
 Varley Duplex Magnet Company. (See Scott, Archibald D., assignor.)
 Vaughan, Walter D., Rutland, Vt. Bolt. 1,521,489; Dec. 30.
 Vaughn, Thomas L., Jr., Dunn, N. C. Ironing board and support therefor. 1,520,786; Dec. 30.
 Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Duplex counting machine. 1,521,137; Dec. 30.
 Veeder Manufacturing Company. (See Veeder, Curtis H., assignor.)
 Vesta Battery Corporation. (See Thomas, Harold D., assignor.)
 Vickers Limited. (See McKeeble, James, assignor.)
 Vocalstyle Music Company, The. (See Miller, Harry G., assignor.)
 Vokal, Paul F. (See Schramm, C., and Vokal, assignors.)
 Volkman, Frederick C. (See Kelly, J., and Volkman, assignors.)
 Von Kersburg, Harry E., assignor to R. H. Macy & Co., Inc., New York, N. Y. Safety attachment for stop watches. 1,521,208; Dec. 30.
 Wadsworth, Charles W., Merrick, assignor to T. F. Moore, New York, N. Y. Display device. 1,520,806; Dec. 30.
 Walnwright, Jacob T., Detroit, Mich. Intake-air cleaner for internal-combustion motor engines. 1,521,262; Dec. 30.
 Walte, Edwin E., Framingham, Mass. Method of and machine for producing cops of asbestos roving. 1,520,917; Dec. 30.
 Walte, Edwin E., Framingham, Mass. Cop of roving. 1,520,918; Dec. 30.
 Wakefield, Walter H. (See Blanchard, H. L., and Wakefield.)

Wakefield, Walter H. (See Holmes, E. R., and Wakefield.)
 Walker, Fred W., Harrison, Ark. Educational device. 1,521,491; Dec. 30.
 Walker, Gilbert S., Pittsburgh, Pa. Automatic water heater. 1,521,139; Dec. 30.
 Walker, Otto, Zurich, assignor to J. Bär, Dozwil, Switzerland. Pressing iron. 1,521,058; Dec. 30.
 Walker, William N., et al. (See Harper, William, assignor.)
 Wallentin, Walfrid, Attleboro, Mass., assignor to E. Ekserghian, St. Louis, Mo. Cigarette holder. 1,520,919; Dec. 30.
 Walsh, Edward F., assignor to Superior Boiler Works, Marion, Ind. Tail-gate latch and spreader for dump bodies on motor vehicles. 1,520,787; Dec. 30.
 Walters, Calvin J., San Angelo, Tex. Water heater. 1,520,788; Dec. 30.
 Walton, George W. (See Stephenson, W. S., and Walton.)
 Walty, Frank O., Avoca, Wis. Antiskid chain. 1,521,140; Dec. 30.
 Waples, Rufus, Wayne, Pa. Means for securing railway rails to roadbeds. 1,520,987; Dec. 30.
 Warner, Frank E., assignor to Scozill Manufacturing Company, Waterbury, Conn. Snap fastener-setting machine. 1,521,141; Dec. 30.
 Warner, Joseph R., Thomaston, Conn. Wire stretcher. 1,521,209; Dec. 30.
 Warren, Frederick A., Atlanta, Ga. Plumbing installation. 1,521,492; Dec. 30.
 Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Side bearing. 1,520,988; Dec. 30.
 Webb, Thomas B., Stockton, Calif. Ditching machine. 1,520,735; Dec. 30.
 Weber, Charles, assignor to Weber Pearl Bath Company, Newark, N. J. Aerating bubbler. 1,521,143; Dec. 30.
 Weber Pearl Bath Company. (See Weber, Charles, assignor.)
 Webster, Walter H., assignor to The O. P. Schriver Company, Cincinnati, Ohio. Auxiliary base for jacks. 1,520,989; Dec. 30.
 Weeks, William H., Oakland, Calif. Chalk rail for blackboards. 1,521,059; Dec. 30.
 Weidlich, Kunz, Nuremberg, Germany. Meat chopper. 1,521,316; Dec. 30.
 Weigel, Joel, Pittsburg, Calif. Push-rake attachment for tractors. 1,521,060; Dec. 30.
 Weill, Robert, Colmar, France. Apparatus for cleaning the seats of water-closets. 1,520,789; Dec. 30.
 Weisbart, Benjamin. (See Stern, Louis, assignor.)
 Weite-Mignon Corporation. (See Cheek, Tolbert F., assignor.)
 Wesblad, Karl F. (See Blomquist, J. V., and Wesblad.)
 Western Electric Company. (See Arnold, Harold D., assignor.)
 Western Electric Company. (See Goodrum, Charles L., assignor.)
 Western Electric Company. (See Kochendorfer, F. S., and Selvig, assignors.)
 Western Electric Company. (See MacPherson, Hugh D., assignor.)
 Western Electric Company. (See Merrill, Frank W., assignor.)
 Western Electric Company. (See Richard, Charles D., assignor.)
 Westinghouse Air Brake Company, The. (See Cass, Christopher P., assignor.)
 Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
 Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
 Westinghouse Air Brake Company, The. (See Lane, George S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bastian, Arthur J., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Biddle, Clarence A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bruce, Porter H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Bradshaw, W. M., and Ashbaugh, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Christianson, Kay, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Colby, O. A., and Denman, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Dean, John S., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Ferguson, Thomas, assignor.)
 Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Godfrey, Howard L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Leonard, Stuart G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See MacFarland, Albia M., assignor.)
 Westinghouse Electric & Manufacturing Company. (See MacGahan P., and Sparks, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Sleeper, Harvey P., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Stuge, Stephen A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Thomas, Percy H., assignor.)
 Westinghouse Electric Products Company. (See Forshee, Frank F., assignor.)
 Whitcomb, John, Zanesville, Ohio. Gas burner. 1,521,493; Dec. 30.
 Whitaker-Glossner Company. (See Schrader, Herbert, assignor.)
 Whitcomb, Edmund R., Brooklyn, N. Y., assignor to Industrial Research Corporation, Toledo, Ohio. Recoll check. 1,521,583; Dec. 30.
 White, Ernest. (See Standley, M. G., and White.)
 White, John W., Buffalo, N. Y. Disk wheel. 1,520,736; Dec. 30.
 Whiting Corporation. (See Townsend, John S., assignor.)
 Whitney, George F., assignor to United States Sugar Cane Harvester Corporation, New York, N. Y. Can-cutting machine. 1,521,263; Dec. 30.
 Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Fulcrum and making same. 1,521,410; Dec. 30.
 Wicks, John, assignor to Automatic Electric Company, Chicago, Ill. Multiflex telephone system. 1,520,990; Dec. 30.
 Wier, Harvey J., Opelousas, La. Sundial. 1,520,790; Dec. 30.
 Wiggins, John H., Bartlesville, Okla. Floating deck or roof for liquid storage tanks. 1,520,991; Dec. 30.
 Wikander, Gustavus A., Portland, Oreg. Guiding attachment for brilliant view finders. 1,521,210; Dec. 30.
 Wikner, Sigurd W. A., assignor of one-eighth to Newcastle-Upon-Tyne, England. Distillation of tar and the like. 1,521,490; Dec. 30.
 Wilcox, Merrill M., Saginaw, Mich. Tappet. 1,521,221; Dec. 30.
 Wilcox, Merrill M., Saginaw, Mich. Tappet. 1,521,222; Dec. 30.
 Wildman Mfg. Co. (See Pigeon, Albert M., assignor.)
 William, Joseph A., Angler, N. C. Clothes-washing apparatus. 1,520,897; Dec. 30.
 Williams, Samuel B., Meridian, Miss. Glare protector. 1,521,494; Dec. 30.
 Wills, James M., Ottawa, Ontario, Canada. Combination tool. 1,520,992; Dec. 30.
 Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Equalizing device for compression resistors. 1,521,411; Dec. 30.
 Wilpette, Alice A., et al. (See Pavitt, William H., assignor.)
 Wilpette, Louis, et al. (See Pavitt, William H., assignor.)
 Wilson, Samuel S., Meyerton, Transvaal, South Africa. Apparatus for manufacturing sheets and other articles from plastic materials. 1,520,791; Dec. 30.
 Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company, Separator. 1,521,570; Dec. 30.
 Winn, Sidney B., Lapeer, Mich. Duplex tractor. 1,521,061; Dec. 30.

Winters, Roger E., Philadelphia, Pa. Car wheel. 1,521,347; Dec. 30.
 Wittmeler, Hans, Berlin, Germany. Filter for purifying air. 1,521,575; Dec. 30.
 Wittmeler, Hans, Berlin, Germany. Filter for purifying the air. 1,521,576; Dec. 30.
 Wittmeler, Hans, Berlin, Germany. Filter for purifying the air. 1,521,577; Dec. 30.
 Wittmeler, Hans, Berlin, Germany. Filter for purifying the air. 1,521,578; Dec. 30.
 Wolfe, Russell S., Orangeburg, S. C. Fence-wire twister. 1,521,495; Dec. 30.
 Wolleson, James L., Chicago, Ill. Powder duster. 1,521,496; Dec. 30.
 Woods, Joseph W., & Sons Company (See Brewster, Louise H., assignor.)
 Worms, Sidney, New Rochelle, assignor to Franklin Knitting Mills, Inc., New York, N. Y. Grenadine lace stripe fabric. Des. 66,344; Dec. 30.
 Worthington Pump and Machinery Corporation. (See Dorer, Oscar H., assignor.)
 Wright, Oliver S., Philadelphia, Pa. Electric attachment plug. 1,521,142; Dec. 30.
 Wright, Robert L., Fort Dodge, Iowa. Increasing oil extraction from oil-bearing strata. 1,520,737; Dec. 30.
 Wright, Violette F., Philadelphia, Pa. Doll. Des. 66,345; Dec. 30.
 Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Closure disk. 1,521,412; Dec. 30.
 Wyld, Robert H., Garden City, N. Y. Process and apparatus for drying. 1,521,223; Dec. 30.
 Yablin, Louis, Chicago, Ill. Electric light. 1,520,738; Dec. 30.
 Yellow Coach Manufacturing Company. (See Ball, Charles O., assignor.)
 Yellow Coach Manufacturing Company. (See Rackham, George J., assignor.)
 Yingve, Victor, Niagara Falls, N. Y. Salt and purifying the same. 1,520,920; Dec. 30.
 Young, George H., St. Paul, Minn. Resilient rim. 1,520,792; Dec. 30.
 Young, Millard S., Flint, Mich. Chock block. 1,521,497; Dec. 30.
 Young, Rowland L., East Orange, N. J., assignor to American Telephone and Telegraph Company. Current-regulating device. 1,520,793; Dec. 30.
 Zehnder, Paul, assignor to the Firm Internationale Slegwartbalken-Gesellschaft, Lucerne, Switzerland. Method and device for the production of hollow bodies such as pipes, masts, and the like from ferroconcrete. 1,521,264; Dec. 30.
 Zerk, Oscar, now by judicial change of name Oscar U. Zerk, assignor, by mesne assignments, to The Allene-Zerk Company, Cleveland, Ohio. Lubricating apparatus. 1,520,993; Dec. 30.
 Zetlitz, Carl E., Chicago, Ill. Fastener. 1,520,739; Dec. 30.
 Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Center-dumping ballast car. 1,520,740; Dec. 30.
 Zinke, Otto A., et al. (See Nathanson, W., and Behm, assignors.)
 Zint, George, Wapakoneta, Ohio. Lawn sprinkler. 1,521,062; Dec. 30.
 Zola, Edward. (See Humphrey, J. H., and Zola.)
 Zons, Frederick W., New York, N. Y. Refractory alloy for wires and rods. 1,520,794; Dec. 30.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF DECEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abdominal support. I. M. Pease. 1,521,315; Dec. 30.
Accelerator, Hand. R. W. Fairbank. 1,521,517; Dec. 30.
Aceto-arsenious anhydride. Preparation of allphatic arsenical derivatives from. C. Oechsle. 1,521,560; Dec. 30.
Acid-laden air. Opposing the discharge of. C. Ambruster. 1,521,348; Dec. 30.
Acoustic apparatus. H. Gernsback. 1,521,287; Dec. 30.
Address, Recording an. W. C. Balu and E. P. Pitman. 1,521,417; Dec. 30.
Adjusting mechanism. W. J. Brennan. 1,520,692; Dec. 30.
Aerating bubbler. C. Weber. 1,521,143; Dec. 30.
Aeroplane cloth and making same. Conced. T. F. Tesse. 1,521,055; Dec. 30.
Agricultural implement. H. Schick. 1,521,395; Dec. 30.
Air brake. D. Berger. 1,521,170; Dec. 30.
Airplanes. Gyroscopic apparatus for. L. B. Sperry. 1,521,132; Dec. 30.
Alloy for wires and rods. Refractory. F. W. Zons. 1,520,794; Dec. 30.
Aluminum chloride. Recovering. A. M. McAfee. 1,520,831; Dec. 30.
Amusement device. T. L. Stine. 1,521,568; Dec. 30.
Amusement device. E. F. Tinker. 1,521,133; Dec. 30.
Amusement device. G. E. Turner. 1,521,487; Dec. 30.
Anchor bolt. W. A. Hubner. 1,521,026; Dec. 30.
Annunciator drop. C. Herrmann. 1,521,534; Dec. 30.
Antiskid chain. F. O. Walty. 1,521,140; Dec. 30.
Antiskid device. E. Rau. 1,521,320; Dec. 30.
Antiskidding chain for auto wheels. E. G. Thomas. 1,521,207; Dec. 30.
Antiskidding device. W. K. Lindeman, sr. 1,521,451; Dec. 30.
Asbestos roving. Method of and machine for producing cops of. E. E. Waite. 1,520,917; Dec. 30.
Asphalt cutter. H. Schumacher. 1,521,327; Dec. 30.
Automatic switch. W. Kalsling. 1,520,821; Dec. 30.
Automobile brake shoe. H. N. Rothweiler. 1,520,967; Dec. 30.
Automobile bumper. J. H. Igo. 1,520,951; Dec. 30.
Automobile curtains. Carrier for. K. H. Poyas. 1,521,045; Dec. 30.
Automobile inclosure construction. W. L. Pollard. 1,520,770; Dec. 30.
Automobile motor. O. V. Foster. 1,521,440; Dec. 30.
Automobile rack. C. E. Liedberg. 1,521,450; Dec. 30.
Automobile radiator. J. F. Morgan. 1,520,837; Dec. 30.
Automobile radiator attachment. O. R. G. Muhlenbruch. 1,521,164; Dec. 30.
Automobile signal. W. Hoey. 1,520,867; Dec. 30.
Automobile signal. E. Nizamis. 1,520,961; Dec. 30.
Automobile switch lock. A. Bottom. 1,521,215; Dec. 30.
Automobile theft-prevention means. A. C. Hines. 1,521,099; Dec. 30.
Automobile top. A. G. Canby. 1,521,073; Dec. 30.
Automobile turntable. R. B. Iseman. 1,520,715; Dec. 30.
Automobile vehicle brake. L. Salves. 1,520,773; Dec. 30.
Automobiles. Brake-release attachment for. A. Hirschman. 1,520,818; Dec. 30.
Automobiles. Floor-board shield for. C. A. Hunter. 1,520,950; Dec. 30.
Axle structure. Loose-wheel car. B. J. Fehr. 1,521,518; Dec. 30.
Axometer. G. P. Miller. 1,521,117; Dec. 30.
Bag. See—
Water bag.
Bag-frame hinge. F. A. Fuller. 1,521,237; Dec. 30.
Bag lock. D. E. Sedlack. 1,521,131; Dec. 30.
Bag or box. Traveling. D. J. Comstock. 1,520,932; Dec. 30.
Bait. Artificial. B. G. Goble. 1,521,030; Dec. 30.
Baking-pan clamp. H. J. Guttman. 1,521,289; Dec. 30.
Baling press. W. H. Camp. 1,521,429; Dec. 30.
Ball mill. J. R. Ball. 1,521,418; Dec. 30.
Ball mills. Lining for. W. M. Barker. 1,521,169; Dec. 30.
Band wrench. H. W. Thomas and G. W. Lee. 1,521,342; Dec. 30.
Bank. Novelty. J. A. Hansen. 1,521,532; Dec. 30.
Bar. See—
Dolly bar.
Barrel. Knockdown. J. H. Killon. 1,521,108; Dec. 30.
Basket. Wash. H. G. Arcaro. 1,521,414; Dec. 30.

Bathroom bracket or hook. S. D. Baker. Des. 66,316; Dec. 30.
Bathroom fixture. S. D. Baker. Des. 66,315; Dec. 30.
Bathroom fixture bracket. S. D. Baker. Des. 66,320; Dec. 30.
Bathroom paper holder. S. D. Baker. Des. 66,319; Dec. 30.
Bathroom shelf or receptacle. S. D. Baker. Des. 66,317; Dec. 30.
Batteries. Separator for electric. V. B. Sease. 1,520,889; Dec. 30.
Battery charging and discharging system. H. R. Davies. 1,521,584; Dec. 30.
Battery-testing apparatus and meter. B. F. W. Heyer. 1,520,865; Dec. 30.
Bearing. Antifriction. A. L. Brownrigg. 1,520,749; Dec. 30.
Bearing. Side. E. W. Webb. 1,520,988; Dec. 30.
Bed. Convertible couch. H. Chesser. 1,520,931; Dec. 30.
Bed hook pin. J. B. Sechrist. 1,520,800; Dec. 30.
Bed-fastener-applying device. J. K. Diamond. 1,520,861; Dec. 30.
Billiard-cue chalker. J. Guay. 1,521,580; Dec. 30.
Blt. See—
Harness bit.
Blackboard chalk rail. W. H. Weeks. 1,521,059; Dec. 30.
Blanket-roll support. H. N. Hanold. 1,521,531; Dec. 30.
Block. See—
Chuck block.
Board. See—
Game board.
Bulletin board.
Bobbins. Device to prevent rotation of. H. L. Blanchard and W. H. Wakefield. 1,521,501; Dec. 30.
Boiler handhole caps. Tool for installing. S. B. Clay. 1,521,008; Dec. 30.
Boiler-pressure control. A. D. Baker. 1,520,922; Dec. 30.
Boil weevil exterminator. S. L. Brownlow. 1,521,424; Dec. 30.
Boil-weevil-spraying machine. N. A. Carter. 1,520,854; Dec. 30.
Bolt. See—
Anchor bolt.
Bolt. W. D. Vaughan. 1,521,489; Dec. 30.
Bomb. Depth. F. L. Guillemet. 1,521,091; Dec. 30.
Bookbinding. C. L. Asam. 1,521,587; Dec. 30.
Bookmark. M. M. Crane. Des. 66,322; Dec. 30.
Bottle. O. P. McBroom. Des. 66,329; Dec. 30.
Bottle-crowning machine. J. J. Gaynor. 1,521,442; Dec. 30.
Bottle stopper and pouring spout. Combined. P. H. Baker. 1,520,845; Dec. 30.
Bottles and like constructions. Manufacturing milk. L. E. Koch. 1,520,870; Dec. 30.
Bowl or similar article. G. Raviland. Des. 66,325; Dec. 30.
Box. See—
Exhaust box. Mail box.
Folding box. Shoe-polishing box.
Laundry box. Switch box.
Lunch box. Vanity box.
Box-ld remover. C. F. Pye. 1,521,476; Dec. 30.
Box-strapping machine. W. G. Mueller. 1,521,201; Dec. 30.
Bracket. See—
Curtain bracket. Meter bracket.
Brake. See—
Air brake. Motor-vehicle brake.
Automobile vehicle brake.
Brake-lever bracket and guide. S. F. Beasley. 1,520,797; Dec. 30.
Brake-lever spring. J. E. Messenger. 1,521,308; Dec. 30.
Brake mechanism. A. L. Funk. 1,520,941; Dec. 30.
Brake-shoe construction. S. G. Down. 1,520,701; Dec. 30.
Brick and manufacturing the same. Runner. W. Malzacher. 1,521,463; Dec. 30.
Brush. Bath. I. La Bree. 1,521,111; Dec. 30.
Brush for cleaning nasal passages. A. R. Meyer. 1,520,908; Dec. 30.
Brush holder and making same. J. S. Dean. 1,521,012; Dec. 30.
Buckle. Belt. F. E. Forsell. 1,521,439; Dec. 30.
Buffet and table. Combined. J. R. Barritt. 1,521,499; Dec. 30.

ALPHABETICAL LIST OF INVENTIONS.

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Buffing machine. Trend. W. C. Stevens. 1,521,582; Dec. 30.
Building construction. D. W. Keen. 1,521,373; Dec. 30.
Bulletin board. W. C. Achterkreb and E. B. Marsh. 1,521,167; Dec. 30.
Bumper. Y. Miyasaki. 1,521,548; Dec. 30.
Burner. See—
Gas burner. Hydrocarbon burner.
Button. J. R. Carley. 1,521,431; Dec. 30.
Button. Cuff. L. P. Huisson. 1,521,427; Dec. 30.
Cabinet. Coin. D. G. Story. 1,520,980; Dec. 30.
Cabinet. Spray. H. G. Bartling. 1,520,796; Dec. 30.
Cables. Stripping. S. Jacobson. 1,521,103; Dec. 30.
Caisson and making the same. C. E. Fowler. 1,521,522; Dec. 30.
Cake turner. E. Fults and C. A. Bates. 1,521,525; Dec. 30.
Cake turner. R. A. Moore. 1,520,959; Dec. 30.
Calendars. Binding post for. W. T. Sullivan. 1,520,982; Dec. 30.
Calfing device. C. D. Richard. 1,520,910; Dec. 30.
Camera. G. L. Bean. 1,521,067; Dec. 30.
Can. See—
Concrete garbage can. Oil can.
Can covers. Method of and apparatus for cutting and applying ring liners to. H. Schrader. 1,521,328; Dec. 30.
Can opener. D. B. Boon. 1,521,271; Dec. 30.
Candle mold. J. W. Farrell. 1,521,552; Dec. 30.
Cane-cutting machine. G. E. Whitney. 1,521,263; Dec. 30.
Canoe support and shelter. E. C. Kemper. 1,520,756; Dec. 30.
Cap and the like. G. Clarizio. 1,521,149; Dec. 30.
Cap. Ventilated. I. Kaplan. 1,520,717; Dec. 30.
Car. Center-dumping ballast. A. E. Zimmer. 1,520,740; Dec. 30.
Car control device. Safety. J. M. Rosenbury. 1,520,689; Dec. 30.
Car coupling. H. M. Brown. 1,520,927; Dec. 30.
Car-door raising and supporting shafts. Operating mechanism for dump. A. Campbell. 1,520,695; Dec. 30.
Car. Hot-metal. J. D. Pugh. 1,521,317; Dec. 30.
Car. Kln. P. d'H. Dressler. 1,521,216; Dec. 30.
Car. Load-discharging. A. Campbell. 1,520,696; Dec. 30.
Car unloader. Box. F. L. Hague. 1,521,290; Dec. 30.
Car wheel. R. E. Winters. 1,521,347; Dec. 30.
Cars. Safety device for. W. H. Greet. 1,521,527; Dec. 30.
Carbons. Making. Y. Inada. 1,521,541; Dec. 30.
Carburetor. G. G. Brown, jr. 1,520,926; Dec. 30.
Carburetors. Flout chamber of. A. Cox. 1,521,507; Dec. 30.
Cargo hook. L. Cot. 1,521,230; Dec. 30.
Carpenter's scriber. T. H. King. 1,521,544; Dec. 30.
Carpet fastener. G. A. King and E. D. Simons. 1,521,157; Dec. 30.
Carriage and like vehicle. Anchor. J. Estrade. 1,521,085; Dec. 30.
Carriage. Cableway. J. P. Street. 1,520,780; Dec. 30.
Carrier. See—
Lens carrier.
Case. See—
Equipment case. Shipping case.
Film case. Tool case.
Casting machine. Centrifugal. J. B. Ladd. 1,521,244; Dec. 30.
Cement or concrete. Production of objects or bodies from. M. J. Davidson. 1,521,233; Dec. 30.
Cement tile structure. Reinforced. S. E. Campbell. 1,521,430; Dec. 30.
Cementitious slabs. Forming reinforced. H. E. Marks. 1,520,878; Dec. 30.
Centrifuge. Z. Osterberg. 1,520,767; Dec. 30.
Chain fastener. W. G. Jacke. 1,520,952; Dec. 30.
Chain. Method and apparatus for forming. O. J. Dan-seruau. 1,521,011; Dec. 30.
Chair. See—
Crutch chair.
Channelling machine. A. Ball. 1,520,995; Dec. 30.
Charcoal. Manufacture of vegetable. L. H. Bonnard. 1,520,801; Dec. 30.
Chemical reactions by action of heat. Producing. J. S. Morgan. 1,521,549; Dec. 30.
Chest. See—
Metal chest.
Chuck block. M. S. Young. 1,521,497; Dec. 30.
Chuck. E. L. Pfunder. 1,520,883; Dec. 30.
Chuck. Collet. E. L. Pfunder. 1,520,882; Dec. 30.
Chuck. Rigid-action scroll and jaw-slide lathe. F. C. Smart. 1,520,969; Dec. 30.
Chuck. Work supporting and rotating. C. Knowles. 1,521,303; Dec. 30.
Churns for churning and working butter. Arrangement in. L. P. Larsen. 1,520,872; Dec. 30.
Cigar and making the same. L. A. McLean. 1,520,761; Dec. 30.
Cigarette container. J. C. McCoy. 1,521,460; Dec. 30.
Cigarette holder. W. Wallenthin. 1,520,919; Dec. 30.
Circulating system. F. Purdy. 1,521,475; Dec. 30.
Clamp. See—
Baking-pan clamp. Wire clamp.
Electric ground clamp.
Cleaner. See—
Windshield cleaner.

Clip. See—
Damper clip.
Clock. A. P. Hodge. 1,520,866; Dec. 30.
Closure. J. S. Taylor. 1,520,784; Dec. 30.
Cloth laying and folding machine. M. Dorman. 1,521,284; Dec. 30.
Clothes drier. L. G. Campbell. 1,521,274; Dec. 30.
Clothes-washing apparatus. J. A. Williams. 1,520,897; Dec. 30.
Clothes wringer. F. A. Barnes. 1,520,899; Dec. 30.
Clothes wringer. F. M. Case. 1,520,855; Dec. 30.
Clutch. R. C. Osgood. 1,521,042; Dec. 30.
Clutch mechanism. R. C. Osgood. 1,521,043; Dec. 30.
Clutch mechanism. H. L. Turney. 1,520,733; Dec. 30.
Clutch. Slding. J. P. Baldwin. 1,521,588; Dec. 30.
Clutch wrench. R. F. Sedgley. 1,521,331; Dec. 30.
Clutching or starting device. Automatic. C. Bergmann, jr. 1,521,421; Dec. 30.
Coating composition. T. F. Tesse. 1,521,056; Dec. 30.
Coating machine. F. H. Cunningham. 1,521,010; Dec. 30.
Cock and valve. Stop. B. and W. Butler. 1,520,694; Dec. 30.
Collapsible tube. D. K. Kuskin. 1,521,546; Dec. 30.
Collar and making the same. Fold-over. J. W. Hess. 1,521,152; Dec. 30.
Collar and stiffening device therefor. Soft-fold. J. M. Kane. 1,520,822; Dec. 30.
Cotton. Power-driven. F. D. Adams. 1,520,741; Dec. 30.
Combustion device. E. J. Gurren. 1,520,710; Dec. 30.
Combination tool. J. M. Wills. 1,520,992; Dec. 30.
Compartment tank. Multiple. W. Schen. 1,521,255; Dec. 30.
Composition material. W. W. Christman. 1,521,174; Dec. 30.
Compression resistors. Equalizing device for. G. O. Wilm. 1,521,411; Dec. 30.
Compressor. C. H. Allen. 1,521,211; Dec. 30.
Compressor. F. D. Holdsworth. 1,521,021; Dec. 30.
Compressor-controlling mechanism. L. A. Maxson. 1,521,034; Dec. 30.
Computing machine. M. Slippert. 1,520,727; Dec. 30.
Concrete bodies. Making oilproof. J. Mercusson. 1,521,384; Dec. 30.
Concrete castings. Apparatus for producing. J. C. Pel-ton. 1,521,316; Dec. 30.
Concrete garbage can. A. Seyffert. 1,521,398; Dec. 30.
Concrete loading, mixing, and distributing machine. E. H. Lichtenberg. 1,521,246; Dec. 30.
Concrete mold. A. Tyskiewicz. 1,520,986; Dec. 30.
Condenser-tube extractor. J. McPherson. 1,521,381; Dec. 30.
Condenser-tube-plug extractor. J. McPherson. 1,521,382; Dec. 30.
Condensers. Variable-speed driving mechanism for. W. T. Putnam. 1,521,318; Dec. 30.
Conductor support. S. S. Matthes. 1,521,199-200; Dec. 30.
Container. F. Q. Rast. 1,521,319; Dec. 30.
Container and molding the same. A. J. Bastian. 1,520,996; Dec. 30.
Control system. H. L. Blood and L. C. Cole. 1,521,269; Dec. 30.
Control system. W. M. Bradshaw and J. H. Ashbaugh. 1,521,003; Dec. 30.
Control system. T. Ferguson. 1,521,015; Dec. 30.
Converter. Rotary. R. de Bruyn. 1,521,280; Dec. 30.
Cooling system. Marine. C. C. Hubbell. 1,521,446; Dec. 30.
Corset. A. M. Benjamin. 1,521,068; Dec. 30.
Cost-computing machine. D. S. Mock. 1,520,958; Dec. 30.
Counting machine. Duplex. C. H. Veeder. 1,521,137; Dec. 30.
Coupling. See—
Car coupling.
Covers. Adjustable support and lifter for. J. M. Suarez. 1,521,134; Dec. 30.
Cow-hobble-hook former. S. R. Correll. 1,521,358; Dec. 30.
Creeper. H. H. Linn. 1,521,454; Dec. 30.
Crutch chair. S. A. Holmes. 1,521,536; Dec. 30.
Cuff. Shirt. J. Lipkey. 1,520,759; Dec. 30.
Cuff. Shirt. J. B. McConnell. 1,520,832; Dec. 30.
Cultivator. J. W. Kimbrough. 1,520,824; Dec. 30.
Cultivator structure. M. Hudgens. 1,521,539; Dec. 30.
Current-regulating device. R. L. Young. 1,520,793; Dec. 30.
Curtain bracket. O. Courtois. 1,520,857; Dec. 30.
Cut-out. N. W. Frank. 1,521,176; Dec. 30.
Cutter. See—
Asphalt cutter. Milling cutter.
Knife and cake cutter.
Cutting implement. C. Habart. 1,520,711; Dec. 30.
Cutting machine. H. W. Krag. 1,521,376; Dec. 30.
Cycle-frame carrier attachment. E. E. Carrington. 1,521,504; Dec. 30.
Cylinder head and spark plug. W. C. Keim. 1,521,106; Dec. 30.
Damper clip. Sheet-metal. T. Olinger. 1,521,249; Dec. 30.
Damper construction and clip therefor. T. Olinger. 1,521,250; Dec. 30.
Decarbonizer sprayer. C. E. Link. 1,521,453; Dec. 30.

Dental attachment for movable-removable bridgework. M. Cohen. 1,520,809; Dec. 30.
Dental clamp attachment. J. W. Ivory. 1,520,753; Dec. 30.
Dental stand. H. O. Lehman. 1,520,957; Dec. 30.
Die. H. P. Arnt and T. N. Aikens. 1,520,921; Dec. 30.
Die head. V. R. Kountz. 1,520,871; Dec. 30.
Diastock attachment. P. Johnson. 1,521,194; Dec. 30.
Dies, Making thread-rolling. E. H. Reed. 1,521,322; Dec. 30.
Dirt collector, Centrifugal. C. C. Farmer. 1,520,706; Dec. 30.
Dishwasher. E. E. Plasters. 1,521,124; Dec. 30.
Disk, Closure. W. L. Wright. 1,521,412; Dec. 30.
Disk wheel. J. W. White. 1,520,736; Dec. 30.
Dispensing receptacle. W. D. Fischer. 1,521,520; Dec. 30.
Display rack. C. W. Wadsworth. 1,520,896; Dec. 30.
Display rack, Dispensing. W. S. Smith. 1,520,970; Dec. 30.
Display stand. F. R. Porter. Des. 66,335; Dec. 30.
Distress signal. M. G. Standley and E. White. 1,521,567; Dec. 30.
Distributor. F. Derek. 1,521,079; Dec. 30.
Ditches, Raffle wall for drainage. E. Bern. 1,521,069; Dec. 30.
Ditching machine. T. B. Webb. 1,520,735; Dec. 30.
Documents, Composition for use in the reproduction of line. J. Dorol. 1,521,509; Dec. 30.
Doll. V. F. Wright. Des. 66,345; Dec. 30.
Doll house. T. G. Beebe. 1,521,420; Dec. 30.
Doll's head, Sleeping. A. Cohn. 1,521,279; Dec. 30.
Dolly bar. H. A. Lucinda. 1,521,547; Dec. 30.
Door, Automatic. W. M. Cooper. 1,521,357; Dec. 30.
Door-closing device and doorcheck. L. C. Norton. 1,520,765; Dec. 30.
Door construction. W. Andler. 1,520,686; Dec. 30.
Door controller. F. J. Meagher. 1,521,162; Dec. 30.
Door for basement openings. F. W. Honens. 1,520,819; Dec. 30.
Draft-preventing device. G. R. Bickford. 1,520,799; Dec. 30.
Draft regulator, Automatic. L. Dana. 1,521,436; Dec. 30.
Draft rigging. D. S. Barrows. 1,521,419; Dec. 30.
Drier: See—
Clothes drier. Steam drier.
Drier. E. B. Ayres. 1,521,416; Dec. 30.
Drilling apparatus. H. A. Stillwell. 1,520,778; Dec. 30.
Drilling device. R. King. 1,521,158; Dec. 30.
Drilling machine. W. T. Sears. 1,521,330; Dec. 30.
Driving mechanism. H. L. Turney. 1,520,734; Dec. 30.
Driving tool. D. A. Anderson. 1,521,265; Dec. 30.
Dry cell. H. D. Hoiler. 1,521,295; Dec. 30.
Drying, Process and apparatus for. R. H. Wyld. 1,521,223; Dec. 30.
Dumping body. C. H. Bjorklund and J. P. Johnson. 1,521,171; Dec. 30.
Duster, Powder. J. L. Wolleson. 1,521,496; Dec. 30.
Dyes containing two hydroxynaphthalene nuclei. Monazo. F. Straub and H. Schneider. 1,521,206; Dec. 30.
Educational device. F. W. Walker. 1,521,491; Dec. 30.
Electric cables, Connector for. C. Jackson. 1,521,102; Dec. 30.
Electric light. L. Yablin. 1,520,738; Dec. 30.
Electric furnace. C. A. Boddie. 1,520,999; Dec. 30.
Electric ground clamp. R. M. Hutton. 1,520,868; Dec. 30.
Electric machine, Dynamo. T. S. Jones. 1,521,301; Dec. 30.
Electric switch. J. H. Bartholomew and R. H. Boardman. 1,520,847; Dec. 30.
Electric switch. O. Hammerstrom. 1,521,530; Dec. 30.
Electrical-conductor clasp. E. B. Lewis. 1,521,197; Dec. 30.
Electrical distributing system. C. L. Fortescue. 1,521,017; Dec. 30.
Electrical fixtures, Adapter for. E. O. Schweitzer. 1,521,130; Dec. 30.
Electrical measuring instrument. P. MacGahan and H. P. Sparkes. 1,521,062; Dec. 30.
Electrical oscillations, Receiving. A. Meissner. 1,520,835; Dec. 30.
Electrical switch. J. F. Cavanagh. 1,521,432; Dec. 30.
Electrode of accumulators. O. Schneider. 1,520,724; Dec. 30.
Electrolytic cells, Temperature control for. P. H. Brace. 1,521,002; Dec. 30.
Electromagnetic tool. R. W. Catching. 1,521,173; Dec. 30.
Electron-discharge amplifier. H. D. Arnold. 1,520,994; Dec. 30.
Embroidery machine, Hand. M. H. Pérez. 1,521,165; Dec. 30.
Embroidery machines, Stretching frame for. R. Reiner. 1,520,966; Dec. 30.
Engine: See—
Internal-combustion engine.
Engines, Exhaust eduction attachment and muffler for internal-combustion. H. Shaw. 1,521,400; Dec. 30.
Engines, Intake-air cleaner for internal-combustion-motor. J. T. Walnwright. 1,521,262; Dec. 30.
Engines, Manifold for internal-combustion. R. F. Bracke. 1,521,353; Dec. 30.

Engines, Muffler for internal-combustion. S. L. Carr. 1,521,074; Dec. 30.
Engines, Supplying liquid fuel to internal-combustion. J. McKechnie. 1,520,883; Dec. 30.
Envelope. M. P. Altschul. 1,520,685; Dec. 30.
Equipment case, Conductor's. W. H. Mahan. 1,521,248; Dec. 30.
Evaporating and condensing apparatus. E. O. Benjamin. 1,521,147; Dec. 30.
Exhaust box. A. R. Thompson. 1,521,407; Dec. 30.
Extractor: See—
Condenser-tube extractor.
Condenser-tube-plug extractor.
Fabric-handling machine. J. F. Cullen. 1,520,858; Dec. 30.
Fabric ornamentation. L. Flick. 1,521,363; Dec. 30.
Fastener. C. E. Zetlitz. 1,520,739; Dec. 30.
Fastener making and driving tool. P. Rissman. 1,520,722; Dec. 30.
Fastening device. H. E. L. Owen and K. H. Macartney. 1,520,708; Dec. 30.
Fence. W. A. Graham. 1,521,240; Dec. 30.
Fence-wire twister. R. S. Wolfe. 1,521,495; Dec. 30.
Ferric articles with a metallic protective coating. G. K. Thompson and J. Eckert, Jr. 1,520,731-2; Dec. 30.
Ferroconcrete, Method and device for the production of hollow bodies such as pipes, masts, and the like from. P. Zehnder. 1,521,264; Dec. 30.
File gauge. W. Hilton. 1,521,098; Dec. 30.
Filing device, Vertical. E. Pearl. 1,521,470; Dec. 30.
Film case. O. Becker and G. Ollendorf. 1,521,500; Dec. 30.
Filter. H. L. Calhoun. 1,520,930; Dec. 30.
Filter for purifying air. H. Wittemeier. 1,521,575-8; Dec. 30.
Filter screen. A. T. Stuart. 1,520,781; Dec. 30.
Finger ring and cord cutter, Combined. Y. Shiba. 1,521,051; Dec. 30.
Firearm magazine. B. A. Revelli. 1,521,324; Dec. 30.
Fireproof tanks, Bracing apparatus for. W. S. Huff. 1,521,553; Dec. 30.
Fishing reel. E. Clickner. 1,521,229; Dec. 30.
Floor cleaning and polishing apparatus. J. E. R. Sanchez. 1,520,888; Dec. 30.
Floor-scrubbing machine. J. J. Peterson. 1,520,769; Dec. 30.
Flush Toilet. C. H. Gunn. 1,521,092; Dec. 30.
Flycatcher. F. Tschernitschek. 1,521,261; Dec. 30.
Flying machine. J. H. Reynolds. 1,521,047; Dec. 30.
Folding box. A. R. Harris. 1,521,291; Dec. 30.
Forging furnace. H. H. Mercer. 1,521,035; Dec. 30.
Freezing and preserving perishable products. D. I. Davis. 1,520,811; Dec. 30.
Fuel spraying and injecting device, Liquid. G. Pletstick. 1,521,389; Dec. 30.
Fuel tank. R. H. Hazeltine. 1,521,293; Dec. 30.
Fulcrum and making same. L. L. Whitney. 1,521,410; Dec. 30.
Fumigant and process of fumigation. H. W. Houghton. 1,521,537; Dec. 30.
Funnel. W. Allen. 1,521,212; Dec. 30.
Fur and producing the same, Imitation. F. Stolzenberg. 1,521,259; Dec. 30.
Furnace: See—
Electric furnace. Pipeless furnace.
Forging furnace. Preheating recuperative furnace.
Oil heating furnace.
Furnaces, Control mechanism for electric. B. R. Shover. 1,521,462; Dec. 30.
Furnaces, Resistor for electric. G. M. Little. 1,521,028; Dec. 30.
Furnaces, Reversing apparatus for heating. G. H. Isley. 1,521,298; Dec. 30.
Game. D. E. Carlson. 1,520,697; Dec. 30.
Game. E. H. Harris. 1,521,095; Dec. 30.
Game. G. T. Pine. 1,521,473; Dec. 30.
Game apparatus. C. E. Bédoux. 1,520,743; Dec. 30.
Game, Baseball. E. H. Cole. 1,521,435; Dec. 30.
Game board. E. Kohler. 1,521,558; Dec. 30.
Garment for women and girls, Three-part. S. Clamage. 1,521,228; Dec. 30.
Garment, Protective. H. A. North. 1,520,962; Dec. 30.
Garments and other purposes, Closure for. W. C. Avedon. 1,520,687; Dec. 30.
Gas burner. J. Kelly and F. C. Volkman. 1,521,302; Dec. 30.
Gas burner. J. Whitehart. 1,521,493; Dec. 30.
Gas-cock assembly. A. G. Sherman and A. Meadows. 1,521,333; Dec. 30.
Gas cut-off, Automatic. F. Colonna. 1,521,150; Dec. 30.
Gas mixtures under pressure, Separating. R. F. and R. K. E. Mewes. 1,521,115; Dec. 30.
Gas, Process and apparatus for making oil. C. R. Burke and T. F. Hintze. 1,520,804; Dec. 30.
Gas producers, Feeding means for. R. Daac. 1,521,232; Dec. 30.
Gas producers, Poker mechanism for. R. Daac. 1,521,231; Dec. 30.
Gases from water by means of metallic filters, Abstracting. P. Kostner. 1,520,823; Dec. 30.
Gases, Liquefaction of. C. C. Van Nuy. 1,521,138; Dec. 30.
Gases, Purifying. J. A. Shaw. 1,520,726; Dec. 30.

Gasket and making same, Prepared. F. Stevens. 1,521,483; Dec. 30.
Gate: See—
Metallic gate. Railway gate.
Gauge: See—
File gauge.
Gear-shift mechanism. E. C. Hicks. 1,521,535; Dec. 30.
Generator: See—
Steam generator.
Globe projector. S. R. Williams. 1,521,494; Dec. 30.
Glass, Method and apparatus for drawing sheet. J. C. Henderson. 1,521,294; Dec. 30.
Golf-tee indicator, Indoor. W. H. Seagrave. 1,520,725; Dec. 30.
Governor device, Speed. C. C. Farmer. 1,520,707; Dec. 30.
Grab rail or similar article. S. D. Baker. Des. 66,318; Dec. 30.
Grate. M. W. Rollings. 1,521,204; Dec. 30.
Grate, Fire. J. H. Dwight. 1,521,511; Dec. 30.
Grate structure. H. B. Holt. 1,521,296; Dec. 30.
Grave covering device. R. A. Breckenridge. 1,520,802; Dec. 30.
Gravity-feed offer. R. M. Knight. 1,521,109; Dec. 30.
Grenade-gun attachment. L. N. Brooks. 1,521,272; Dec. 30.
Grenade lace stripe fabric. S. Worms. Des. 66,344; Dec. 30.
Grid leak, Fixed and variable. S. N. Baruch. 1,521,213; Dec. 30.
Grinding machine. O. G. Harris. 1,520,817; Dec. 30.
Grinding mill. J. S. Fastling. 1,521,217; Dec. 30.
Grooving machine. J. R. Gammeter. 1,521,238; Dec. 30.
Hair curler. G. G. Cendon. 1,520,933; Dec. 30.
Hair waver. E. Hargreaves. 1,521,529; Dec. 30.
Hair waving and curling, Steaming tube for. P. Sartory. 1,520,968; Dec. 30.
Hammer, mechanism. Clearing-sign. F. Rauchwetter. 1,521,477; Dec. 30.
Hanger: See—
Towel hanger.
Harness bit. P. Nordlund. 1,521,468; Dec. 30.
Harness levers, Jack eye for. E. R. Holmes and W. H. Wakefield. 1,521,183; Dec. 30.
Harvester, Corn. C. M. Rudduck. 1,520,723; Dec. 30.
Hat. E. A. Peeg. Des. 66,331; Dec. 30.
Headlights and the like, Shutter for automobile. G. B. Kilham. 1,520,869; Dec. 30.
Headlight, Automatic shade-dimmed. F. Foley. 1,521,219; Dec. 30.
Headlight screen, Automobile. D. A. Reed. 1,521,321; Dec. 30.
Headlight-tilting device. W. L. Thaele and F. E. Melford. 1,521,569; Dec. 30.
Heater: See—
Peanut heater. Water heater.
Steam water heater.
Heels of footwear, Abutment device for the. C. W. Ellis. 1,521,175; Dec. 30.
Hermetic boxes or the like, Apparatus for closing. N. J. Nielsen. 1,520,881; Dec. 30.
Holder. L. J. Spencer. 1,521,481; Dec. 30.
Hook: See—
Cargo hook. Snap hook.
Manure hook.
Horsehoes, Toe calk for. W. F. Pitcher. 1,520,884; Dec. 30.
Hose-winding drum. H. Chipplindale. 1,520,808; Dec. 30.
House: See—
Doll house.
Hydrocarbon burner. R. M. Stone. 1,521,485; Dec. 30.
Ice bags or the like, Closure for. A. C. Eggers. 1,520,812; Dec. 30.
Ice-cream cone. B. Smith. Des. 66,337; Dec. 30.
Ice-cream dispenser. B. D. Miller. 1,520,763; Dec. 30.
Ice-scooping machine. A. M. Lee. 1,521,449; Dec. 30.
Ice-shaving scoop and can opener. C. B. Sherlock. 1,521,479; Dec. 30.
Indicator: See—
Golf-game indicator. Water-level indicator.
Liquid-level indicator. Vehicle motion and direction indicator.
Temperature indicator.
Induction-regulator system. K. Christiansen. 1,521,006; Dec. 30.
Insect trap. J. W. Reeder. 1,521,323; Dec. 30.
Insecticide. W. S. Baldwin. 1,520,924; Dec. 30.
Insulating material and making the same, Semirefractory heat. C. S. Teltworth. 1,520,893; Dec. 30.
Insulating medium, Electrical. W. W. Hale. 1,521,241; Dec. 30.
Insulator, Electric. P. H. Thomas. 1,520,984; Dec. 30.
Insulator, Indicating. R. W. Charlton. 1,521,433; Dec. 30.
Internal-combustion engine. W. A. Clegg. 1,521,077; Dec. 30.
Internal-combustion engine. E. H. Friend and A. G. Bentley. 1,521,220; Dec. 30.
Internal-combustion engine. J. H. R. Garrett. 1,520,942; Dec. 30.
Internal-combustion engine. A. J. Lavole. 1,520,875; Dec. 30.
Internal-combustion engine. C. B. Nagelmann. 1,520,960; Dec. 30.
Internal-combustion engine. H. R. Ricardo. 1,520,772; Dec. 30.

Invoice sheet. W. A. Kelly. 1,520,755; Dec. 30.
Iron: See—
Pressing iron. Sadiron.
Ironing board and support therefor. T. L. Vaughn, Jr. 1,520,786; Dec. 30.
Jack: See—
Lifting jack.
Jack. H. C. Newman. 1,520,842; Dec. 30.
Jack. E. Thompson and L. L. Diebel. 1,520,785; Dec. 30.
Jack stand. W. M. Barry and E. H. Becker. 1,520,846; Dec. 30.
Jack structure. R. A. Clarke. 1,521,434; Dec. 30.
Jacks, Auxiliary base for. W. H. Webster. 1,520,989; Dec. 30.
Jacket capable of conversion into a knapsack or tourist's ground sheet or litter. G. Nyilas. 1,520,963; Dec. 30.
Jar opener, Self-sealing. C. P. Jacobsen. 1,521,542; Dec. 30.
Joint: See—
Rail joint. Tool joint.
Spherical joint.
Journal box for mine-car wheels. F. S. Barks and G. B. Bell, Jr. 1,520,688; Dec. 30.
Kiln and operating the same, Combination open and muffle. H. M. Robertson. 1,521,392; Dec. 30.
Kiln, Drying. E. E. Perkins. 1,520,844; Dec. 30.
Kilns, Process and apparatus for utilization of the combustion gases from rotary cement-burning. E. Renne. 1,521,129; Dec. 30.
Knife. G. Mrahenc. 1,521,311; Dec. 30.
Knife and cake cutter, Chopping. N. G. Cosman. 1,520,856; Dec. 30.
Knife for trimming linoleum. A. E. Henderson. 1,521,533; Dec. 30.
Knife switch, Quick-acting. F. F. Forshee. 1,521,016; Dec. 30.
Knitting machines, Controlling means for fabric cages for. A. M. Pigeon. 1,521,574; Dec. 30.
Label-applying machine. A. Jensen and C. A. Christensen. 1,521,193; Dec. 30.
Labeling and waxing machine. M. E. Brigham. 1,520,747; Dec. 30.
Lamp. C. E. Godley. 1,520,943; Dec. 30.
Lamp, Arc. A. P. Davis. 1,521,361; Dec. 30.
Lamp-bulb placing and removing device. H. D. Grinnell. 1,520,946; Dec. 30.
Lamplock, Incandescent. M. Rachlin. 1,521,251; Dec. 30.
Lamp or lantern globe. A. P. Storrs. 1,520,779; Dec. 30.
Lamp, Portable electric. R. C. Kay. 1,521,105; Dec. 30.
Lamp, Railway-switch. C. Scherle. 1,520,774; Dec. 30.
Lamp, Signal. C. E. Godley. 1,520,944; Dec. 30.
Lamp, Vehicle. C. A. Godshalk. 1,521,239; Dec. 30.
Lantern-focusing device. C. H. Kelsea. 1,521,107; Dec. 30.
Latch. S. Hammer and D. Postal. 1,521,572; Dec. 30.
Lathe, Automatic. S. J. Teller. 1,521,340; Dec. 30.
Lathe rest. C. A. Allen. 1,521,146; Dec. 30.
Laundry box, Sanitary. J. C. Skelton. 1,521,334; Dec. 30.
Laundry machine. C. F. Meissner. 1,520,762; Dec. 30.
Laundry machines, Water-supply control for. C. H. Boyals. 1,520,691; Dec. 30.
Lawn sprinkler. G. Zint. 1,521,062; Dec. 30.
Lead mold impressions, Depositing plate for. A. S. Boyer. 1,520,850; Dec. 30.
Leaf cover, Loose. C. M. Clark. 1,521,076; Dec. 30.
Leather, substitute and the product thereof, Making decorated. H. A. Lindsey. 1,520,877; Dec. 30.
Lens carrier, Drum. C. F. Jenkins. 1,521,190; Dec. 30.
Lens disk, Prism. C. F. Jenkins. 1,521,191; Dec. 30.
Lens, Fluid. C. Pfeegor. 1,521,563; Dec. 30.
Lenses, Machine for beveling the edges of optical. G. P. Miller. 1,521,116; Dec. 30.
Lifting jack. H. L. Dickey. 1,520,937; Dec. 30.
Light: See—
Electric light.
Light support. W. Foster. 1,521,087; Dec. 30.
Lighting fixtures, Wall bracket for. M. Klein. Des. 66,330; Dec. 30.
Linen, Attaching separate borders to household. E. F. Johnson. 1,521,300; Dec. 30.
Link, Fusible. W. K. Hodgman. 1,520,750; Dec. 30.
Linotype machines, Metal feeder for. J. H. Bast. 1,521,340; Dec. 30.
Liquid dispensing device. H. H. Johnson. 1,521,543; Dec. 30.
Liquid-fuel-dispensing apparatus. M. L. Billings. 1,521,070; Dec. 30.
Liquid-level indicator. R. F. Johnson. 1,521,195; Dec. 30.
Liquid meter. P. J. Roach and D. Carter. 1,521,391; Dec. 30.
Liquid projector. H. E. Tunnell. 1,521,136; Dec. 30.
Liquids such as paint from receptacles, Apparatus for tapping. M. Rogler. 1,521,564; Dec. 30.
Lock: See—
Automobile switch lock. Lamp lock.
Bag lock. Tire lock.
Lock. L. Stern. 1,520,976; Dec. 30.

Lock and key device, Supplemental. J. Canelles. 1,520,806; Dec. 30.
 Locomotive draft appliance. A. K. Kusebauch. 1,520,956; Dec. 30.
 Locomotive, Electric. H. H. Johnston. 1,520,901; Dec. 30.
 Locomotive, Steam. H. Boltshauser. 1,521,000; Dec. 30.
 Locomotives, Apparatus for coaling. E. U. Cave and W. J. Blenko. 1,521,276; Dec. 30.
 Loom, Automatic filling-replenishing. A. E. Rhoades. 1,520,721; Dec. 30.
 Looms, Bobbin frame for. J. B. Bolton. 1,521,351; Dec. 30.
 Looms, Smash protector for. W. W. Robertson. 1,521,253; Dec. 30.
 Looms, Yielding pitman for. J. E. Renne. 1,521,166; Dec. 30.
 Lubricating apparatus. O. Zerk. 1,520,993; Dec. 30.
 Lubricating device, Pressure. J. A. Bowden. 1,520,745; Dec. 30.
 Lunch box, Auto. H. Milne. 1,520,879; Dec. 30.
 Luncheon box and the like. A. Ostrowski. 1,520,964; Dec. 30.
 Mail box. W. N. Murphy. 1,521,120; Dec. 30.
 Mail-box attachment. B. L. Scott. 1,521,397; Dec. 30.
 Mail-distributing machines, Keyboard for. R. J. Mitchell. 1,520,826; Dec. 30.
 Mandrel press. T. W. Burt. 1,521,356; Dec. 30.
 Mangles, Return conveyor for. W. Harper. 1,521,444; Dec. 30.
 Manure hook. R. Fegebank. 1,521,086; Dec. 30.
 Measuring and integrating mechanism. C. C. Lauritsen. 1,520,873; Dec. 30.
 Measuring device, Tailor's. A. Sniezocki. 1,521,054; Dec. 30.
 Meat chopper. K. Weidlich. 1,521,346; Dec. 30.
 Meat powders, Preparation of. W. F. Remus. 1,521,127; Dec. 30.
 Merry-go-round. C. K. Armstrong. 1,521,498; Dec. 30.
 Metal bars while in motion, Shearing. V. E. Edwards. 1,521,514; Dec. 30.
 Metal chest. F. G. Marbach. 1,520,907; Dec. 30.
 Metal facing for door and window openings. G. A. Knapp. 1,520,826; Dec. 30.
 Metal sheet or similar article of manufacture. D. Stoll. Dec. 30.
 Metal sheets and strips, Apparatus for manufacturing. F. Barmé and F. Mahner. 1,521,065; Dec. 30.
 Metal-working machine. B. M. W. Hanson. 1,520,712; Dec. 30.
 Metals, Bath for heat-treating. A. E. Bellis. 1,520,744; Dec. 30.
 Metallic gate. C. G. Hunter. 1,521,371; Dec. 30.
 Meter: See—
 Liquid meter. Recording meter.
 Meter bracket. J. T. Lucas and C. B. Gamble. 1,521,457; Dec. 30.
 Milk for transport, Sterilizing and filling in of. N. J. Nielsen. 1,520,880; Dec. 30.
 Mill: See—
 Ball mill. Grinding mill.
 Milling cutter. R. C. Morgan. 1,521,467; Dec. 30.
 Milling machine. B. M. W. Hanson. 1,520,713; Dec. 30.
 Milling machine, Multiple. P. W. Dietmann. 1,521,080; Dec. 30.
 Mining apparatus. M. P. Holmes. 1,521,023; Dec. 30.
 Mining machine. L. E. Simmons. 1,521,053; Dec. 30.
 Mining machines, Safety appliances for. M. P. Holmes. 1,521,022; Dec. 30.
 Mirror for motor vehicles, Disappearing. H. L. Latimer. 1,521,375; Dec. 30.
 Mirrors, Clasp for dental. E. E. Mayeda. 1,521,114; Dec. 30.
 Mixing and agitating device. N. L. Moore. 1,521,038; Dec. 30.
 Mixing machine. A. D. Parker. 1,521,044; Dec. 30.
 Mold: See—
 Candle mold. Monument mold.
 Concrete mold.
 Molding apparatus. J. S. Harrison. 1,521,292; Dec. 30.
 Molding apparatus. J. B. Ladd. 1,521,245; Dec. 30.
 Molding conduits and the like, Apparatus and method for. T. E. Murray. 1,520,840; Dec. 30.
 Monument mold. R. M. Birnbach. 1,520,849; Dec. 30.
 Motion, Mechanism for transmitting. C. S. Oldroyd. 1,521,313; Dec. 30.
 Motor: See—
 Automobile motor. Vehicle motor.
 Motor drive. L. J. Costa. 1,521,359; Dec. 30.
 Motor-generator sets, Automatic control system for synchronous. S. G. Leonard. 1,520,906; Dec. 30.
 Motor-starting apparatus, Internal-combustion. S. Jenck. 1,521,187; Dec. 30.
 Motor-starting mechanism. S. Jenck. 1,521,186; Dec. 30.
 Motor stop, Automatic. F. H. Doerr. 1,521,013; Dec. 30.
 Motor support. M. Henleib. 1,520,949; Dec. 30.
 Motor-vehicle brake. C. P. Cass. 1,520,698; Dec. 30.
 Mounting fixture or device. E. F. Maas. 1,521,383; Dec. 30.
 Mud and oil stripper. C. B. Reynolds. 1,521,390; Dec. 30.
 Multifunction tool. G. E. Malone. 1,520,834; Dec. 30.
 Muske sheet. H. G. Miller. 1,521,559; Dec. 30.

Musical instrument, Automatic. T. F. Check. 1,521,571; Dec. 30.
 Nail cleaning and polishing set, Shopper's. E. S. Tipton. 1,520,895; Dec. 30.
 Nail, Roofing. H. H. Honigbaum. 1,520,751; Dec. 30.
 Newspaper-assembling machine. D. L. Harford. 1,521,094; Dec. 30.
 Non-sew-on ring. J. W. McGhee. 1,521,030; Dec. 30.
 Nozzle. J. L. Isaacs. 1,520,820; Dec. 30.
 Nozzle of the ladle for steel casting. R. Godal. 1,521,526; Dec. 30.
 Nozzle, Water-cooling spray. E. Burhorn. 1,520,929; Dec. 30.
 Nut, Anchor-bolt. W. A. Hubener. 1,521,024-5; Dec. 30.
 Nuts, J. Turmes. 1,521,345; Dec. 30.
 Oil can. G. Lidseen. 1,520,829; Dec. 30.
 Oil extraction from oil-bearing strata, Increasing. R. L. Wright. 1,520,737; Dec. 30.
 Oil heating furnace. G. L. Prichard and H. Henderson. 1,520,771; Dec. 30.
 Oil-level-regulating device, Maintained. H. M. Sheer. 1,521,401; Dec. 30.
 Oil, Refining of petroleum. E. M. Clark. 1,521,278; Dec. 30.
 Oil separator. S. A. Miller and W. J. McCarthy. 1,521,309; Dec. 30.
 Oil separator. R. Neill. 1,521,386; Dec. 30.
 Oils, Refining. S. H. Diggs. 1,521,282-3; Dec. 30.
 Oils, Separating. E. M. Johansen. 1,520,953; Dec. 30.
 Opening or separating machine. J. B. Henry. 1,520,864; Dec. 30.
 Ophthalmic mounting. F. A. Stevens. 1,521,484; Dec. 30.
 Ophthalmic mounting. F. A. Stevens. 1,520,977-9; Dec. 30.
 Optical apparatus for instructional purposes. W. Taylor. 1,521,339; Dec. 30.
 Ores, Apparatus for the concentration of. N. C. Christensen. 1,521,277; Dec. 30.
 Oven, Channel. H. Koppers. 1,520,757; Dec. 30.
 Oven, Coke. W. H. Pavitt. 1,521,123; Dec. 30.
 Oxidizing carbon compounds, Process of and apparatus for. F. J. Rankin. 1,520,885; Dec. 30.
 Oxygen from liquid oxygen, Device for the production of compressed. A. Messer. 1,521,345; Dec. 30.
 Package. C. S. Hammersley. 1,521,368-9; Dec. 30.
 Packaging process. A. M. Bates and J. E. Dancker. 1,521,225; Dec. 30.
 Packing, Piston. C. C. Farmer. 1,520,704; Dec. 30.
 Padlock. G. H. Sterling. 1,520,975; Dec. 30.
 Paint-spraying apparatus and tank, Combined. W. C. Beach. 1,520,998; Dec. 30.
 Paper, Machine for folding. A. Sonstagen. 1,521,480; Dec. 30.
 Paper-making machines, Driving mechanism for. W. S. Crandell. 1,520,935; Dec. 30.
 Paper pulp and cellulose with a screen submerged in the aqueous paper pulp, Horizontal sifter for the manufacture of. R. Pawlikowski. 1,521,469; Dec. 30.
 Paper, Wall. I. Gatewood. Dec. 66,324; Dec. 30.
 Parachute container. F. L. Morgan and A. C. Dewey. 1,521,118; Dec. 30.
 Parcel-sorting machine, Automatic. J. R. Sousa. 1,521,405; Dec. 30.
 Paste roller. Puff. P. Longanesi. 1,521,455; Dec. 30.
 Peanut heater. J. H. Sanford. 1,521,394; Dec. 30.
 Penell, Magazine. W. J. Frink. 1,521,523; Dec. 30.
 Percentage feeders, Regulating device for. E. R. Draver. 1,521,014; Dec. 30.
 Percussive tool. H. H. Mercer. 1,521,036; Dec. 30.
 Petroleum, Recovery of. W. Horwitz. 1,520,752; Dec. 30.
 Phonograph. L. de Florez. 1,521,281; Dec. 30.
 Phonograph cabinet. G. J. Pike. Dec. 66,332-4; Dec. 30.
 Photographic prints from negatives, Apparatus for printing. I. D. Sharp. 1,521,399; Dec. 30.
 Photographing oscillating sparks. C. F. Jenkins. 1,521,188; Dec. 30.
 Pianos and the like, Note-sheet-guiding device for player. E. F. Orr. 1,521,561; Dec. 30.
 Picker-stick and sweep-stick coupling. R. S. Dodds. 1,521,438; Dec. 30.
 Picture-hook card package. W. P. Mills. 1,521,466; Dec. 30.
 Picture reception, Electroscopic. C. F. Jenkins. 1,521,192; Dec. 30.
 Pictures, Film reception of broadcasted. C. F. Jenkins. 1,521,189; Dec. 30.
 Pin: See—
 Bed hook pin. Safety pin.
 Pin tube. W. S. Hunkins. 1,521,370; Dec. 30.
 Pipe connections, Making seamless. W. Nathanson and J. Behm. 1,520,764; Dec. 30.
 Pipe sections of large diameters, Transporting. S. C. Curriden. 1,520,699; Dec. 30.
 Pipe-supporting device. C. C. Farmer. 1,520,705; Dec. 30.
 Pipeless furnace. L. W. Daman. 1,520,900; Dec. 30.
 Piston, Air-compressor. F. T. Cable. 1,520,852-3; Dec. 30.
 Piston-aligning tool. M. F. Murphy. 1,521,119; Dec. 30.
 Piston and connecting-rod construction. J. E. Erskine. 1,521,515; Dec. 30.
 Piston and piston rod of internal-combustion engines. G. Pielstick. 1,521,288; Dec. 30.

Piston, Engine. A. Spillman. 1,520,972; Dec. 30.
 Plastic materials, Apparatus for manufacturing sheets and other articles from. S. S. Wilson. 1,520,791; Dec. 30.
 Plate burning or drying apparatus. F. T. Powers. 1,520,720; Dec. 30.
 Plate-glass-polishing machine. G. W. Oakes. 1,520,766; Dec. 30.
 Plate or similar article. W. D. Haviland. Dec. 66,326; Dec. 30.
 Platforms, Safety-apron construction for rotating. C. Trezona. 1,521,057; Dec. 30.
 Plow. J. W. Johansson. 1,521,299; Dec. 30.
 Plow. R. A. Kirlaw. 1,520,825; Dec. 30.
 Plow, Wheeled. C. G. Strandlund and T. Brown. 1,520,981; Dec. 30.
 Plug, Electric attachment. O. S. Wright. 1,521,142; Dec. 30.
 Plumbing installation. F. A. Warren. 1,521,492; Dec. 30.
 Pocketknife. M. K. Ellashevich. 1,521,084; Dec. 30.
 Pole or tower. G. W. Boyd. 1,521,422; Dec. 30.
 Porch, Window. A. Guenther. 1,521,554; Dec. 30.
 Post holder. G. G. Kessler, Jr. 1,521,374; Dec. 30.
 Pot: See—
 Solder pot.
 Potato-chip-frying machine. E. A. Denz. 1,520,860; Dec. 30.
 Potato masher. A. Jutila. 1,520,903; Dec. 30.
 Powder puff. H. Lichtentag. 1,520,876; Dec. 30.
 Powder puffs, Sewing. A. Curioni. 1,521,360; Dec. 30.
 Precious stones, Machine for grinding. P. Heinz. 1,520,948; Dec. 30.
 Preheating recuperative furnace. W. S. Scott. 1,520,911; Dec. 30.
 Press: See—
 Baling press. Mandrel press.
 Press attachment. H. C. Chalk. 1,521,506; Dec. 30.
 Pressing iron. O. Walker. 1,521,058; Dec. 30.
 Pressure vessel. E. S. Hall. 1,521,093; Dec. 30.
 Printer's lock-up square. A. C. Evans. 1,521,516; Dec. 30.
 Printing machine, Motor-driven. W. B. Payne. 1,521,314; Dec. 30.
 Projectile. L. B. Taylor. 1,521,406; Dec. 30.
 Projecting machine and slide carrier, Combined optical. H. Newman. 1,521,122; Dec. 30.
 Propeller. F. F. Boyce and C. B. Rutledge. 1,520,746; Dec. 30.
 Puller device. R. C. Osgood. 1,521,202; Dec. 30.
 Pump, Air. F. C. Froelich. 1,521,364; Dec. 30.
 Pump, Centrifugal. P. G. Gaudanoff. 1,521,226; Dec. 30.
 Pump, Centrifugal. T. Danford and A. P. Curtis. 1,520,859; Dec. 30.
 Pump, Oil. L. W. Andrews. 1,521,267; Dec. 30.
 Pump, Sand. C. H. Brown. 1,520,803; Dec. 30.
 Pump sealing and testing device. O. H. Dorer. 1,520,939; Dec. 30.
 Pump, Vacuum. P. G. Bogdanoff. 1,521,270; Dec. 30.
 Pump, variable-pressure power. J. P. Madden. 1,521,461; Dec. 30.
 Pushpin card. W. P. Mills. 1,521,465; Dec. 30.
 Rack: See—
 Automobile rack. Display rack.
 Radiator curtain or cover. R. L. Pate. 1,520,843; Dec. 30.
 Radiator filter can and the like. G. J. Rackham. 1,521,125; Dec. 30.
 Radiator shutter. G. M. Dunlap. 1,521,362; Dec. 30.
 Radio and phonograph amplifier and tone control therefor, Combined. A. H. Haas. 1,521,366; Dec. 30.
 Radio sets, Finishing panels for. P. M. Hennegan. 1,521,096; Dec. 30.
 Raft, Buoyant. E. Mountain. 1,520,838; Dec. 30.
 Rail-clamping mechanism. W. T. Sears. 1,521,329; Dec. 30.
 Rail crossing, Continuous. C. R. Edlund. 1,521,513; Dec. 30.
 Rail joint. P. Stella. 1,521,337; Dec. 30.
 Rail plate. R. Hölz. 1,521,181; Dec. 30.
 Railway construction, Mine. N. E. Salsich. 1,521,254; Dec. 30.
 Railway gate. N. H. Maheshan. 1,521,307; Dec. 30.
 Railway rails to railbeds, Securing. R. Waples. 1,520,987; Dec. 30.
 Railway tracks, Device for grading. W. P. Brown and C. A. Cook. 1,520,928; Dec. 30.
 Receiving system. D. G. McCan. 1,521,380; Dec. 30.
 Receptacle moving and dumping apparatus. H. Allen. 1,521,413; Dec. 20.
 Reciprocating machinery, Crosshead for. R. W. Buettner. 1,521,426; Dec. 30.
 Recoil check. E. B. Whitcomb. 1,521,583; Dec. 30.
 Recording and indicating mechanism. C. C. Lauritsen. 1,520,874; Dec. 30.
 Recording meter. L. W. Chubb. 1,521,007; Dec. 30.
 Rectifier. J. W. Fraser. 1,521,441; Dec. 30.
 Reed: See—
 Fishing reel.
 Reducing varnished and like articles, Check filler or surface for. E. T. Craine. 1,520,934; Dec. 30.
 Reflector for use on motor vehicles and the like and for analogous purposes. R. Denoux. 1,521,508; Dec. 30.
 Refrigerating apparatus. D. J. Hays. 1,521,445; Dec. 30.

Refrigerating system, Artificial. J. H. Denny. 1,520,936; Dec. 30.
 Refuse container. H. J. Lewis. 1,520,828; Dec. 30.
 Registering device, Blank. E. H. Ehrman. 1,521,234; Dec. 30.
 Registers, Handle stop for autographic. M. C. Stern. 1,520,776; Dec. 30.
 Regulator: See—
 Draft regulator. Water regulator.
 Regulator system. W. M. Bradshaw and J. H. Ashbaugh. 1,521,004-5; Dec. 30.
 Relay, Interlocking. S. C. Bryant. 1,521,273; Dec. 30.
 Relieving machine. C. Schramm and P. F. Vekal. 1,521,326; Dec. 30.
 Rlm, Emergency. P. C. Stickney. 1,520,777; Dec. 30.
 Rlm, Resilient. G. H. Young. 1,520,792; Dec. 30.
 Ring. R. H. Jones. Dec. 66,328; Dec. 30.
 Riveting machine. J. E. Battle. 1,521,066; Dec. 30.
 Road maintainer. O. M. Briley and G. A. Blunt. 1,521,227; Dec. 30.
 Roofing element. T. Robinson. 1,521,128; Dec. 30.
 Roller: See—
 Paste roller.
 Rotating bodies, Synchronizing. W. S. Stephenson and G. W. Walton. 1,521,205; Dec. 30.
 Roving, Cop of. E. E. Waite. 1,520,918; Dec. 30.
 Saddle. M. A. Borden. 1,521,352; Dec. 30.
 Safety pin. J. W. Mackey. 1,521,113; Dec. 30.
 Salt control. R. G. Reeves. 1,521,478; Dec. 30.
 Salt and purifying the same. V. Yagve. 1,520,920; Dec. 30.
 Sample machine. W. D. Kistler. 1,521,545; Dec. 30.
 Sand cutting and screening machine. J. S. Townsend. 1,520,916; Dec. 30.
 Saw set, Double. A. B. Anderson. 1,521,063; Dec. 30.
 Scale, Weighing. O. Schmidt. 1,520,775; Dec. 30.
 Screen: See—
 Filter screen. Window screen.
 Headlight screen.
 Screw driver. J. O. Arsenault. 1,521,268; Dec. 30.
 Screw machines, Taper attachment for. J. Bowman. 1,521,001; Dec. 30.
 Sealing caps and applying them onto the vessels to be sealed, Manufacture of. A. A. Dultz. 1,520,940; Dec. 30.
 Sealing device. B. F. Roehrig. 1,521,203; Dec. 30.
 Searchlight for automobiles. H. D. Thomas. 1,520,894; Dec. 30.
 Separator: See—
 Oil separator.
 Separator. W. H. Wineman. 1,521,570; Dec. 30.
 Sewing machine. J. Gouldbourn and F. Ricks. 1,521,288; Dec. 30.
 Sewing machine. J. A. Groebli. 1,521,443; Dec. 30.
 Sewing machine. R. H. Lawson. 1,521,304; Dec. 30.
 Shade holder, Combination electric. J. Falcone. 1,521,551; Dec. 30.
 Shade pull. A. S. Isaacs. 1,521,155; Dec. 30.
 Shade-roller bracket and curtain support, Combined. F. Ferris. 1,521,519; Dec. 30.
 Shifts, Adjusting. G. F. Bull. 1,521,428; Dec. 30.
 Shaving and slotting machine. G. W. Alden. 1,520,684; Dec. 30.
 Sheet feeder. L. J. Frohn. 1,521,365; Dec. 30.
 Sheet metal, Gauge for machine for folding. P. R. Hahnemann. 1,521,367; Dec. 30.
 Sheet-metal packs, Apparatus for trimming and perforating. P. Nelson. 1,521,312; Dec. 30.
 Shingle, Artificial. C. H. Harris. 1,520,947; Dec. 30.
 Shingle-strapping support. R. D. Livingston. 1,521,379; Dec. 30.
 Ship loading and unloading system. D. S. Andrews. 1,521,266; Dec. 30.
 Shipping case. D. F. Ebbert. 1,521,512; Dec. 30.
 Shipping case. M. Leon. 1,520,827; Dec. 30.
 Shock absorber. J. P. Baldwin. 1,521,589; Dec. 30.
 Shock absorber. E. Flentje. 1,521,218; Dec. 30.
 Shock absorber snubber. J. O. Lindsey. 1,521,452; Dec. 30.
 Shocking machines, Sheaf-delivering conveyor for. F. R. Glasner. 1,521,089; Dec. 30.
 Shoe and making the same. J. E. Swanson. 1,521,338; Dec. 30.
 Shoe-polishing box. C. H. Boyle. 1,520,690; Dec. 30.
 Shoe-tree. J. Riquante. 1,521,048; Dec. 30.
 Shunting or trip device. A. G. Shaver. 1,521,332; Dec. 30.
 Shuttle, Tinting. L. S. Grigg. 1,521,528; Dec. 30.
 Sifting device. R. C. Reynolds. 1,521,325; Dec. 30.
 Sign, Electrically-illuminated. J. Fris and C. R. Ehnborn. 1,521,177; Dec. 30.
 Sign, Illuminated. F. J. Stoenwand. 1,520,729; Dec. 30.
 Signal: See—
 Automobile signal. Traffic signal.
 Distress signal.
 Signal. C. A. Fischer. 1,520,815; Dec. 30.
 Signaling system. H. L. Godfrey. 1,521,018; Dec. 30.
 Skirt guard. B. E. Nelson. 1,521,121; Dec. 30.
 Skiving machine. H. W. Krag. 1,521,110; Dec. 30.
 Sliding closure. S. W. Nicholson. 1,521,039; Dec. 30.
 Slipper, Ballet. B. Goldstein and S. Mastrarrigo. 1,520,708; Dec. 30.
 Smoker's stand. E. Savery. Dec. 66,336; Dec. 30.

Smoothing curved surfaces, Machine for. G. E. Ericsson. 1,520,703; Dec. 30.
 Snap fastener-setting machine. F. E. Warner. 1,521,141; Dec. 30.
 Snap hook. J. M. Pericle. 1,521,387; Dec. 30.
 Snowplow. J. R. Buttiwell. 1,521,172; Dec. 30.
 Sofa bed. A. Pettersen. 1,521,471; Dec. 30.
 Soil-testing means and applying and using the same. C. H. Spurway. 1,520,891; Dec. 30.
 Solder bot. Electrically heated. A. M. MacFarland. 1,521,031; Dec. 30.
 Soldering iron and making the same. Electric. M. Simon. 1,520,913; Dec. 30.
 Sound producing device. L. J. Grubman. 1,520,709; Dec. 30.
 Spark plug-amplifying means. F. Fulgore. 1,521,178; Dec. 30.
 Spark-plug carrier and testing device. H. L. Opsahl. 1,521,041; Dec. 30.
 Speech vent. J. T. Ross. 1,521,393; Dec. 30.
 Speed changer and the like. W. G. Jones. 1,521,104; Dec. 30.
 Speed-regulator system. S. A. Staeger. 1,520,973-4; Dec. 30.
 Spherical joint. F. Faudt. 1,520,862; Dec. 30.
 Spool holder. H. F. Brown. 1,520,748; Dec. 30.
 Spring. See—
 Brake-lever spring.
 Springs, Antifriction insert for leaf. A. V. Gullborg. 1,521,020; Dec. 30.
 Spring covers, Clip cap for. C. A. Lincoln and E. F. Rossman. 1,521,027; Dec. 30.
 Sprinkler. See—
 Lawn sprinkler.
 Stair covering. E. Hyman. 1,521,153-4; Dec. 30.
 Stand. See—
 Dental stand. Table stand.
 Jack stand.
 Steam drier. J. M. Baldwin. 1,520,923; Dec. 30.
 Steam generator. L. De Santis. 1,521,437; Dec. 30.
 Steam generators with a rotary water layer. Feed-water heater for. J. V. Blomquist and H. F. Wessblad. 1,521,502; Dec. 30.
 Steam water heater. C. L. Dixon. 1,520,938; Dec. 30.
 Steel all-ner. O. R. Pulis and M. S. Anderson. 1,520,905; Dec. 30.
 Stencil. F. L. Swenson. 1,521,486; Dec. 30.
 Stereotype plates for printing for the blind. Machine for making. J. R. Atkinson and H. Gearling. 1,521,415; Dec. 30.
 Stocking having a thickened wale structure and knitting the same. R. W. Scott. 1,521,256; Dec. 30.
 Stoker ram. R. A. Forsman. 1,521,235; Dec. 30.
 Stoker. N. H. Canfield. 1,521,075; Dec. 30.
 Storage apparatus. W. H. Bennett and J. M. Benjamin. 1,521,148; Dec. 30.
 Stove. Cooking. J. E. Chambers. 1,520,807; Dec. 30.
 Straightedge for laying shingles. G. C. McCoy. 1,521,459; Dec. 30.
 Strand or cord working mechanism. F. S. Kochendorfer and J. N. Selvig. 1,520,718; Dec. 30.
 Sulfate, etc. C. Trachtenberg. 1,521,260; Dec. 30.
 Sundial. H. J. Wier. 1,520,790; Dec. 30.
 Switch. See—
 Automatic switch. Knife switch.
 Electric switch. Two-way switch.
 Electrical switch.
 Switch box, Safety. H. G. Baxter. 1,520,997; Dec. 30.
 Switch mechanism. O. A. Colby and E. W. Denman. 1,521,009; Dec. 30.
 Switch operating device. Time-controlled. J. H. Humphrey and E. Zola. 1,521,101; Dec. 30.
 Switches. Plaster shield for inclosed. B. E. Gatchell. 1,521,553; Dec. 30.
 Switching system. Toll. H. D. MacPherson. 1,521,160; Dec. 30.
 Springs. L. S. Barr. 1,520,795; Dec. 30.
 Table stand. Temporary. W. J. Taylor. 1,520,983; Dec. 30.
 Tag stringing machine. W. G. Jopson. 1,521,242; Dec. 30.
 Take-off mechanism. C. C. Klucker. 1,521,375; Dec. 30.
 Tank. See—
 Compartment tank. Vacuum tank.
 Fuel tank.
 Tanks. Floating deck or roof for liquid storage. J. H. Wiggin. 1,520,991; Dec. 30.
 Tap. B. M. W. Hanson. 1,520,714; Dec. 30.
 Tappet. M. M. Wilcox. 1,521,221-2; Dec. 30.
 Tar and the like. Distillation of. S. W. A. Wikner. 1,521,490; Dec. 30.
 Teeth. Implement for cleaning. T. A. Buckley. 1,521,425; Dec. 30.
 Telephone and telegraph pole. A. B. Erickson. 1,521,285; Dec. 30.
 Telephone headset. G. W. Carpenter and W. L. Carlson. 1,521,275; Dec. 30.
 Telephone system. C. L. Goodrum. 1,521,019; Dec. 30.
 Telephone system. H. D. MacPherson. 1,521,159; Dec. 30.
 Telephone system. Automatic. W. T. Powell. 1,520,909; Dec. 30.
 Telephone system. Multioffice. J. Wicks. 1,520,990; Dec. 30.

Temperature indicator. H. P. Sleeper. 1,520,915; Dec. 30.
 Temperature-responsive instrument. G. H. Townsend. 1,521,343; Dec. 30.
 Tension device. R. Lemieux. 1,521,305; Dec. 30.
 Tent structure. G. J. Pilkinton. 1,520,719; Dec. 30.
 Therapeutic appliance. A. Blume. 1,520,800; Dec. 30.
 Thread-selecting device. Adjustable. J. E. Moore. 1,521,163; Dec. 30.
 Thumbscrews and caps. Making. J. E. Durham, Jr. 1,520,702; Dec. 30.
 Tiles with incrust designs. Apparatus for the automatic manufacture of. A. Henroz. 1,521,097; Dec. 30.
 Tire carriers. Attaching bracket for. W. R. Green. 1,520,816; Dec. 30.
 Tire filler. Automobile. P. J. McHugh. 1,520,760; Dec. 30.
 Tire lock. Spare. J. Junkunc. 1,520,902; Dec. 30.
 Tire material. B. R. Blackwelder. 1,520,925; Dec. 30.
 Tire tread. F. M. Hoblitt. Des. 66,327; Dec. 30.
 Tobacco bath. L. C. Edwards. 1,521,083; Dec. 30.
 Tongs. Pick-up. S. L. Fuller. 1,521,524; Dec. 30.
 Tool case. Combination. C. F. Moran. 1,521,310; Dec. 30.
 Tool joint. H. A. Steele. 1,521,482; Dec. 30.
 Toothbrush. A. H. Kastelle. 1,520,954; Dec. 30.
 Toothbrush. J. A. Street. 1,520,739; Dec. 30.
 Toothpick, match, and change tray. Combined. J. D. Cummings. Des. 66,323; Dec. 30.
 Torch holder. Electric. W. C. Muhlenhausen. 1,520,839; Dec. 30.
 Torch, Preheating. E. H. Smith. 1,521,335; Dec. 30.
 Towel hanger. F. Philippe, sr. 1,521,472; Dec. 30.
 Toy. J. S. Hope. 1,521,297; Dec. 30.
 Toy. B. H. Marshall. 1,521,161; Dec. 30.
 Toy and ornament. Combined. W. Kragiel. 1,521,448; Dec. 30.
 Toy. Automatic. M. Bassan. 1,521,224; Dec. 30.
 Toy boat. R. E. Hunt. 1,521,185; Dec. 30.
 Toy cannon. E. S. Doughty. 1,521,510; Dec. 30.
 Toy. Wheeled. P. Myers. 1,521,573; Dec. 30.
 Track construction. R. H. Phillips. 1,521,581; Dec. 30.
 Tractor. E. B. McCartney. 1,521,458; Dec. 30.
 Tractor. C. Scralde. 1,520,912; Dec. 30.
 Tractor. Duplex. S. B. Winn. 1,521,061; Dec. 30.
 Tractors. Drawbar attachment for. F. J. Silva. 1,521,052; Dec. 30.
 Tractors. Push-rake attachment for. J. W. Weigel. 1,521,060; Dec. 30.
 Tractors. Sawing attachment for. W. Koerber. 1,520,955; Dec. 30.
 Traffic signal. D. H. Brown. 1,520,693; Dec. 30.
 Traffic signal. H. V. Maddox. 1,521,462; Dec. 30.
 Train-stopping device. Automatic. J. F. Reeselman. 1,520,798; Dec. 30.
 Transfer apparatus. A. Smith. 1,521,404; Dec. 30.
 Transformer. E. N. A. Rauland. 1,521,252; Dec. 30.
 Transformers. Overload indicating apparatus for. T. D. Adair, Jr. 1,521,144-5; Dec. 30.
 Transmission mechanism. Power. E. S. Sawtelle. 1,521,565; Dec. 30.
 Transmission. Selective circuits for multiplex. L. Espenschied. 1,520,813; Dec. 30.
 Trap. See—
 Insect trap.
 Trap. W. H. Potthast. 1,521,474; Dec. 30.
 Tree. See—
 Shoe-tree.
 Trees of gum diseases. Curing. G. Corigliano. 1,521,078; Dec. 30.
 Trenching machine. H. H. Franks. 1,521,236; Dec. 30.
 Trigger for firearms. E. L. Fisher. 1,521,286; Dec. 30.
 Truck. F. T. Lobley. 1,521,029; Dec. 30.
 Truck. M. C. Mitchell. 1,521,037; Dec. 30.
 Truck. G. Rimmer. 1,521,049; Dec. 30.
 Truck. Power-driven. L. Kornelov. 1,521,196; Dec. 30.
 Truck. Trailer. E. C. Jackson. 1,520,754; Dec. 30.
 Trunk and suitcase fastener. C. E. Duggan. 1,521,082; Dec. 30.
 Tube. See—
 Collapsible tube. Pin tube.
 Turbine. Hydraulic. H. B. Taylor. 1,520,783; Dec. 30.
 Turbines. Packing means for the blades of steam. F. Ljungström. 1,520,830; Dec. 30.
 Two-way switch. W. Van Guilder. 1,521,488; Dec. 30.
 Typewriter. H. Bates. 1,521,214; Dec. 30.
 Typewriter. S. A. Thompson. 1,521,408; Dec. 30.
 Typewriting machine. J. A. B. Smith. 1,521,436; Dec. 30.
 Typewriting machines. Silencer for. M. F. Robertson. 1,521,050; Dec. 30.
 Underreamer. R. R. Smith. 1,520,971; Dec. 30.
 Unloading device. S. A. Carter. 1,521,505; Dec. 30.
 Vacuum tank. A. F. Boylan. 1,521,423; Dec. 30.
 Valve. O. Kalsch. 1,521,447; Dec. 30.
 Valve and valve connection. M. Lund. 1,521,247; Dec. 30.
 Valve. Flush. E. P. Burns. 1,521,354-5; Dec. 30.
 Valve for inflatable articles. J. P. Dooling. 1,521,081; Dec. 30.
 Valve for rock drills. Fluid-actuated inlet. F. M. Slater. 1,520,728; Dec. 30.

Valve for water-closets and the like. Washing. S. J. Steensen. 1,520,892; Dec. 30.
 Valve. Oil-tank. H. H. Mathis. 1,521,033; Dec. 30.
 Valve-operating means for flush tanks. W. U. Griffiths. 1,520,863; Dec. 30.
 Valves. Float for float. J. C. Spearing. 1,520,914; Dec. 30.
 Vanity box. C. A. Huerk. 1,521,072; Dec. 30.
 Vaporizing device. F. C. Dormont. 1,520,700; Dec. 30.
 Variometer. T. G. Louis. 1,521,585; Dec. 30.
 Vehicle body. E. T. Jenkins. 1,521,156; Dec. 30.
 Vehicle brake device. G. S. Lane. 1,520,758; Dec. 30.
 Vehicle buffer. M. Freedman. 1,521,579; Dec. 30.
 Vehicle bumper. G. Reisinger. 1,521,046; Dec. 30.
 Vehicle. Children's. J. Heberling. 1,521,180; Dec. 30.
 Vehicle motion and direction indicator. R. F. Brown. 1,520,851; Dec. 30.
 Vehicle. Motor. C. O. Ball. 1,521,064; Dec. 30.
 Vehicle. Motor. G. J. Rackham. 1,521,126; Dec. 30.
 Vehicle wheel. W. E. Copthorn. 1,520,810; Dec. 30.
 Vehicle wheel. H. M. Specht. 1,521,257-8; Dec. 30.
 Vehicles and the like. Top for. F. K. Lewis. 1,521,198; Dec. 30.
 Vehicles. Electromagnetic transmission of power on. M. Payne. 1,521,562; Dec. 30.
 Vehicles. Tail-gate latch and spreader for dump bodies on motor. E. F. Walsh. 1,520,787; Dec. 30.
 Velocipede. J. Hudry. 1,521,540; Dec. 30.
 Vending installation. C. E. Flagg. 1,521,521; Dec. 30.
 Vending machine. E. B. Bicker. 1,521,350; Dec. 30.
 Ventilator. A. M. Basman. 1,520,742; Dec. 30.
 Ventilator. H. Josef. 1,521,243; Dec. 30.
 View finders. Guiding attachment for brilliant. G. A. Wikander. 1,521,210; Dec. 30.
 Vole fabric. Flocked. E. B. Vandergaw and J. Heinrich. Des. 66,339-43; Dec. 30.
 Voltage of distribution systems. Regulating the. F. W. Merrill. 1,521,586; Dec. 30.
 Waistcoat or vest for dress wear. Man's. W. J. Turoff. 1,521,344; Dec. 30.
 Wall construction. E. E. Swiney. 1,520,782; Dec. 30.
 Washing and wringing machine. F. A. Barnes. 1,520,898; Dec. 30.
 Washing and wringing machine. G. E. Randles. 1,520,886; Dec. 30.
 Watchcase. L. Lubin. 1,521,456; Dec. 30.
 Watches. Safety attachment for stop. H. E. Von Kersburg. 1,521,208; Dec. 30.
 Watchmaker's loupe. W. Faustmann. 1,521,151; Dec. 30.
 Water bag. A. L. Holton. 1,521,184; Dec. 30.
 Water-closets. Apparatus for cleaning the seats of. R. Well. 1,520,789; Dec. 30.
 Water filter and cooler. G. W. House. 1,521,100; Dec. 30.
 Water heater. C. J. Walters. 1,520,788; Dec. 30.

Water heater, Automatic. G. S. Walker. 1,521,139; Dec. 30.
 Water-level indicator. R. Troseth. 1,520,985; Dec. 30.
 Water-pressure ejector. A. R. Griesemer. 1,520,945; Dec. 30.
 Water regulator. Hot-. W. G. Beckert. 1,520,848; Dec. 30.
 Water. Treating. J. R. McDermet. 1,521,306; Dec. 30.
 Weeder. P. Bruinekeel. 1,521,503; Dec. 30.
 Weft-replenishing mechanism. L. F. Hoffman. 1,521,182; Dec. 30.
 Weighing apparatus, Automatic. J. M. Evans. 1,520,814; Dec. 30.
 Wells. Housing for oil or other. J. R. Gignoux. 1,521,088; Dec. 30.
 Wheel. See—
 Car wheel. Vehicle wheel.
 Disk wheel.
 Wheel. H. M. Howell. 1,521,538; Dec. 30.
 Wheels. Demountable rim for vehicle. W. N. Booth. 1,521,071; Dec. 30.
 Winding machine. B. F. Johnson. 1,521,372; Dec. 30.
 Winding machine. J. D. Joyce. 1,521,556-7; Dec. 30.
 Winding machine. A. D. Scott. 1,521,396; Dec. 30.
 Winding mechanism. P. B. Camp. 1,520,805; Dec. 30.
 Windshield cleaner. E. P. Keim. 1,520,904; Dec. 30.
 Window construction. J. Sylvan. 1,521,135; Dec. 30.
 Window-control mechanism. S. W. Nicholson. 1,521,040; Dec. 30.
 Window-controlling device. J. D. Lawrence. 1,521,112; Dec. 30.
 Window guide. E. W. M. Bailey. 1,521,168; Dec. 30.
 Window sash. A. S. Tufez. 1,521,409; Dec. 30.
 Window screen. Adjustable. S. E. Norton. 1,521,550; Dec. 30.
 Wire clamp. P. B. Krout. 1,521,377; Dec. 30.
 Wire gripper. J. G. Judd. 1,520,716; Dec. 30.
 Wire or rod rolling machine. J. W. Lauren. 1,520,905; Dec. 30.
 Wire stretcher. F. Musso. 1,520,841; Dec. 30.
 Wire stretcher. J. R. Warner. 1,521,209; Dec. 30.
 Wireless codes. Chart for memorizing. C. G. Snyder. 1,521,566; Dec. 30.
 Work support. J. J. Thacher. 1,521,341; Dec. 30.
 Woven fabric or similar article. L. H. Brewster. Des. 66,321; Dec. 30.
 Wrench. See—
 Band wrench. Clutch wrench.
 Wrench. R. E. Miller. 1,521,464; Dec. 30.
 Wrench. J. G. Sims. 1,521,403; Dec. 30.
 Wringer. See—
 Clothes wringer.
 Wringers. Reversing gearing for clothes. G. E. Randles. 1,520,887; Dec. 30.
 Yarns. Spooling. I. Garon. 1,521,179; Dec. 30.

CLASSIFICATION OF PATENTS

DECEMBER 30, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 2: 1,520,722	25— 42: 1,520,791	46— 45: 1,521,297	77— 24: 1,521,158	105— 75: 1,521,061	132— 84: 1,520,954
50: 1,520,861	123: 1,520,849	47— 46: 1,520,709	28: 1,521,330	161: 1,521,023	133— 11: 1,520,980
2— 28: 1,521,068	128: 1,520,840	48— 58: 1,521,078	51: 1,521,066	1,521,029	1,521,248
38: 1,521,315	131: 1,520,965	49— 9: 1,521,375	53.5: 1,521,547	1,521,037	134— 49: 1,520,934
72: 1,521,228	142: 1,520,757	51— 17: 1,521,294	80— 22: 1,520,905	1,521,049	79: 1,521,056
89: 1,520,963	154: 1,520,878	52— 131: 1,520,766	32: 1,520,718	174: 1,520,754	1: 1,520,756
102: 1,520,962	154: 1,521,392	53— 170: 1,520,817	81— 1: 1,521,374	243: 1,520,696	4: 1,520,719
123: 1,520,750	26— 2: 1,521,259	54— 131: 1,520,766	3: 1,521,265	250: 1,520,740	48: 1,521,536
131: 1,521,152	27— 32: 1,520,802	55— 170: 1,520,817	60: 1,521,331	295: 1,520,695	68: 1,520,691
132: 1,520,822	28— 43: 1,521,163	56— 17: 1,520,890	64: 1,521,342	39: 1,521,509	90: 1,521,354
176: 1,520,717	29— 17: 1,520,864	57— 17: 1,521,060	91: 1,521,464	48: 1,520,763	1,521,355
223: 1,521,121	37: 1,521,001	58— 423: 1,521,075	129: 1,521,403	51: 1,520,711	104: 1,520,914
278: 1,521,300	85: 1,521,202	59— 52: 1,520,890	177: 1,520,834	1,520,856	160: 1,521,074
233: 1,520,789	86: 1,521,356	60— 74: 1,521,208	82— 2: 1,521,340	8: 1,520,917	9: 1,520,842
67: 1,520,803	88.2: 1,521,008	61— 58: 1,521,456	8: 1,521,269	1: 1,520,771	10: 1,521,351
43: 1,521,471	105: 1,521,467	62— 35: 1,521,011	11: 1,521,238	40: 1,521,296	84: 1,521,183
5— 21: 1,520,931	164: 1,521,410	63— 5: 1,521,069	14: 1,521,326	44: 1,521,235	154: 1,521,438
206: 1,520,890	30— 3: 1,521,271	64— 61: 1,521,522	40: 1,521,303	51: 1,520,710	245: 1,521,182
7— 1: 1,520,902	10: 1,520,884	65— 159: 1,521,445	83— 9: 1,521,169	103: 1,520,922	290: 1,520,721
10— 3: 1,520,702	107: 1,521,234	66— 4: 1,520,936	1,521,217	162: 1,520,956	345: 1,521,253
96: 1,520,871	123: 1,521,194	67— 52: 1,520,949	44: 1,521,014	34: 1,521,288	93: 1,521,201
141: 1,520,714	154: 1,520,712	68— 53: 1,521,428	60: 1,521,325	80: 1,521,165	115: 1,521,495
11— 1: 1,521,587	32— 5: 1,520,957	69— 64: 1,520,988	62: 1,521,479	138: 1,521,561	143— 43: 1,520,985
12— 128.3: 1,521,048	12: 1,520,809	70— 65— 47: 1,521,542	85— 3: 1,521,024	165: 1,521,559	144— 136: 1,521,146
15— 40: 1,521,582	20: 1,520,753	66— 4: 1,521,256	1,521,025	1,521,026	145— 52: 1,521,268
52: 1,520,769	33— 2: 1,521,054	67— 9: 1,521,574	5: 1,521,489	116— 1,521,012	146— 176: 1,520,903
104: 1,520,888	82: 1,521,544	68— 16: 1,521,362	14: 1,520,762	23: 1,521,567	189: 1,521,346
167: 1,520,730	113: 1,521,516	69— 115: 1,521,150	26: 1,521,122	35: 1,520,693	13: 1,520,911
210: 1,521,425	145: 1,521,117	70— 16: 1,521,362	41: 1,521,151	40: 1,520,815	15: 1,520,744
235: 1,520,904	174: 1,521,486	71— 9: 1,521,444	47: 1,520,977	43: 1,520,851	8: 1,520,812
296: 1,520,690	180: 1,521,119	72— 10: 1,520,786	1,520,979	45: 1,520,867	29: 1,521,237
16— 52: 1,520,765	188: 1,521,058	73— 26: 1,521,352	53: 1,521,484	47: 1,521,462	48: 1,521,184
39: 1,521,652	4: 1,520,923	74— 30: 1,520,897	57: 1,521,563	114: 1,520,915	8: 1,520,760
18— 47.5: 1,520,803	12: 1,521,416	75— 32: 1,520,855	33: 1,521,324	1,521,144	12: 1,521,081
56: 1,520,906	19: 1,520,844	69— 13: 1,521,110	36: 1,521,393	1,521,145	14: 1,521,140
153: 1,521,318	1,521,274	70— 2: 1,521,131	21: 1,521,080	1,521,207	1,521,451
158: 1,520,917	21: 1,521,394	71— 8: 1,520,806	37: 1,521,329	18: 1,521,523	37: 1,520,792
1.11: 1,521,534	48: 1,520,935	72— 17: 1,520,902	59: 1,521,341	121— 18: 1,520,728	16: 1,521,367
2: 1,521,420	9: 1,521,491	73— 115: 1,521,082	91— 12.6: 1,521,010	122— 11: 1,521,502	46: 1,521,358
11: 1,520,782	12: 1,521,339	74— 39: 1,521,373	45: 1,520,820	32: 1,520,833	154— 45.5: 1,520,704
38: 1,520,135	15: 1,521,059	75— 42: 1,521,430	60: 1,520,998	33: 1,521,389	53: 1,520,625
49: 1,521,409	45: 1,521,338	76— 21: 1,521,545	68: 1,521,055	50: 1,521,220	21: 1,521,030
56.2: 1,521,039	76: 1,521,175	77— 28: 1,521,391	78: 1,521,440	58: 1,520,960	23: 1,521,519
79: 1,521,153	41: 1,521,172	78— 52: 1,521,343	1,521,077	75: 1,521,440	38: 1,521,550
100: 1,521,154	62: 1,520,945	79— 120: 1,521,195	90: 1,520,942	78: 1,521,077	40: 1,521,155
17: 1,521,285	120: 1,521,086	80— 7: 1,521,104	1,521,222	90: 1,521,077	38: 1,521,401
65: 1,520,749	153: 1,521,227	81— 1,521,186	119: 1,520,772	114: 1,521,144	76: 1,521,335
80: 1,521,349	132: 1,520,729	82— 1,521,187	122: 1,521,353	1,521,145	80: 1,521,485
82: 1,521,317	133: 1,521,177	83— 33: 1,520,776	169: 1,521,106	1,521,145	104: 1,521,493
85: 1,521,526	26: 1,520,877	84— 39: 1,520,692	175: 1,521,446	1,521,145	161— 1: 1,521,101
141: 1,521,463	34: 1,521,363	85— 1,521,308	178: 1,521,475	1,521,145	164— 49: 1,521,312
10: 1,520,726	36: 1,521,096	86— 41: 1,521,517	193: 1,520,875	1,521,145	1,521,514
13: 1,520,831	42— 55: 1,521,510	87— 48: 1,521,166	1,521,222	1,521,145	60: 1,521,376
30: 1,520,891	43— 46: 1,521,090	88— 58: 1,520,887	1,521,222	1,521,145	1: 1,521,088
76: 1,521,370	73: 1,521,474	89— 14: 1,520,811	1,521,222	1,521,145	14: 1,521,390
78: 1,521,439	113: 1,521,323	90— 5: 1,521,127	1,521,222	1,521,145	19: 1,520,803
81: 1,520,739	136: 1,521,424	91— 19: 1,520,811	1,521,222	1,521,145	21: 1,520,737
1,521,114	140: 1,521,496	92— 20: 1,521,506	1,521,222	1,521,145	21: 1,520,737
95: 1,521,431	146: 1,521,496	93— 32: 1,521,379	1,521,222	1,521,145	21: 1,520,737
102: 1,521,427	45— 31: 1,521,499	94— 2: 1,521,091	1,521,222	1,521,145	21: 1,520,737
135: 1,521,377	75: 1,521,481	95— 26: 1,521,406	1,521,222	1,521,145	21: 1,520,737
161: 1,521,113	97: 1,521,378	96— 11: 1,521,461	1,521,222	1,521,145	21: 1,520,737
205: 1,520,687	1,521,508	97— 101: 1,520,859	1,521,222	1,521,145	21: 1,520,737
241: 1,520,932	8: 1,521,880	98— 231: 1,521,570	1,521,222	1,521,145	21: 1,520,737
249: 1,520,716	14: 1,521,448	99— 236: 1,521,293	1,521,222	1,521,145	21: 1,520,737
252: 1,521,472	36: 1,521,512	100— 144: 1,521,581	1,521,222	1,521,145	21: 1,520,737
41: 1,521,292	40: 1,521,155	101— 35: 1,521,562	1,521,222	1,521,145	21: 1,520,737
1,521,316	1,521,224	102— 49: 1,520,901	1,521,222	1,521,145	21: 1,520,737
	1,521,279		1,521,222	1,521,145	21: 1,520,737

CLASSIFICATION OF PATENTS.

173— 273: 1,520,868	188— 205: 1,520,797	208— 45: 1,521,504	224— 29: 1,520,816	250— 8: 1,520,835	273— 93: 1,521,473
1,521,197	234: 1,520,701	210— 9: 1,520,823	226— 31: 1,521,212	19: 1,521,018	115: 1,521,558
314: 1,521,433	189— 24: 1,521,422	24: 1,521,306	47: 1,521,225	30: 1,521,380	128: 1,520,743
318: 1,520,984	46: 1,520,819	73: 1,520,767	82: 1,521,203	34: 1,521,500	135: 1,521,095
324: 1,521,102	75: 1,520,826	101: 1,521,100	229— 4.5: 1,520,870	41: 1,521,178	274— 2: 1,521,366
356: 1,521,251	12: 1,520,879	165: 1,521,507	230— 14: 1,521,270	6: 1,521,099	39: 1,521,281
359: 1,521,142	51: 1,521,260	195: 1,520,781	24: 1,521,034	150: 1,521,333	275— 119: 1,520,697
175— 183: 1,520,865	191— 43: 1,521,199	211— 14: 1,520,970	27: 1,521,211	159: 1,521,447	277— 6: 1,521,298
1,521,041	43: 1,521,200	34: 1,521,465	1,520,852	167: 1,520,604	279— 59: 1,520,882
315: 1,521,441	192— 75: 1,521,043	212— 69: 1,521,057	1,520,833	252— 3: 1,520,801	1,520,883
356: 1,521,252	87: 1,520,733	119: 1,520,780	1,521,021	1,521,541	114: 1,520,909
367: 1,521,173	1,520,734	213— 57: 1,521,419	1,521,364	253— 17: 1,520,783	280— 33.44: 1,521,052
176— 74: 1,521,361	114: 1,521,042	179: 1,520,927	19: 1,521,120	77: 1,520,830	87.5: 1,521,180
177— 311: 1,521,584	118: 1,521,013	214— 1: 1,520,699	34: 1,521,397	1: 1,520,989	282— 22: 1,521,417
329: 1,521,534	194— 63: 1,521,350	1,521,413	234— 5.5: 1,521,007	34: 1,520,846	283— 1: 1,520,685
178— 7: 1,521,188	196— 5: 1,521,490	1,521,450	10: 1,520,874	97: 1,520,785	1,521,566
1,521,189	14: 1,520,752	11: 1,520,836	235— 22: 1,520,727	111: 1,520,937	66: 1,520,755
1,521,190	26: 1,521,278	1,521,405	58: 1,521,477	144: 1,521,434	285— 22: 1,521,482
1,521,191	40: 1,521,283	14: 1,521,266	61: 1,520,873	145: 1,521,085	25: 1,520,705
1,521,192	41: 1,521,282	15: 1,521,404	87: 1,520,958	161: 1,520,841	286— 7: 1,521,226
179— 4: 1,520,813	44: 1,520,953	17: 1,521,246	91: 1,521,137	164: 1,521,209	17: 1,520,939
18: 1,520,909	49: 1,520,801	18: 1,521,232	91: 1,521,070	255— 75: 1,520,971	287— 90: 1,520,862
27: 1,520,900	6.1: 1,521,415	41: 1,521,276	21: 1,521,139	256— 25: 1,521,240	288— 1: 1,521,483
1,521,019	6.2: 1,521,314	44: 1,521,290	32: 1,520,848	73: 1,521,371	292— 67: 1,521,112
1,521,160	25: 1,521,214	1,521,505	101: 1,521,436	129: 1,520,837	175: 1,521,572
27.5: 1,520,821	47: 1,521,408	215— 38: 1,520,940	238— 10: 1,521,254	257— 132: 1,520,843	293— 54: 1,521,579
50: 1,521,159	186: 1,521,050	48: 1,520,845	106: 1,520,987	1,521,164	55: 1,520,951
90: 1,520,910	1,521,336	51: 1,521,412	263: 1,521,337	1,521,362	1,521,046
107: 1,521,287	198— 9: 1,520,916	216— 1: 1,520,747	298: 1,521,181	238: 1,520,938	1,521,548
156: 1,521,275	13: 1,521,089	54: 1,521,193	240— 41: 1,520,943	259— 24: 1,521,038	294— 8: 1,520,959
171: 1,520,994	21: 1,521,442	13: 1,520,827	1,520,944	81: 1,520,872	1,521,525
180— 21: 1,520,912	209: 1,521,407	14: 1,521,291	1,521,219	136: 1,521,044	30: 1,520,946
27: 1,521,458	11: 1,521,488	42: 1,521,334	1,521,239	260— 14: 1,521,560	83: 1,521,230
57: 1,521,126	24: 1,521,079	60: 1,521,134	1,521,107	88: 1,521,296	104: 1,521,524
70: 1,521,196	50: 1,520,997	218— 6: 1,521,141	45.2: 1,520,809	116: 1,520,885	295— 10: 1,521,518
77: 1,520,950	1,521,273	219— 19: 1,521,031	48.4: 1,521,321	154: 1,521,549	19: 1,521,347
182— 7: 1,521,492	67: 1,520,847	26: 1,520,913	52: 1,520,839	261— 47: 1,520,926	296— 1: 1,521,156
183— 12: 1,520,700	117: 1,521,176	48: 1,521,215	59: 1,521,105	121: 1,521,143	28: 1,521,064
32: 1,521,309	149: 1,521,009	51: 1,521,411	61: 1,520,894	262— 14: 1,521,327	44: 1,520,770
34: 1,521,578	154: 1,521,016	65: 1,521,241	1,521,569	15: 1,521,036	44.5: 1,521,168
1,521,578	164: 1,521,432	220— 1: 1,521,414	63: 1,521,087	16: 1,520,995	45: 1,521,073
39: 1,520,706	168: 1,521,553	4: 1,521,512	78: 1,520,738	30: 1,521,022	47: 1,521,045
44: 1,521,386	172: 1,521,530	5: 1,521,108	1,521,130	1,521,053	97: 1,521,494
1,521,575	201— 51: 1,521,213	9: 1,521,148	8.4: 1,521,161	263— 2: 1,520,720	116: 1,521,198
45: 1,521,577	302— 9: 1,521,123	10: 1,520,907	128: 1,521,551	46: 1,521,035	298— 23: 1,520,787
75: 1,521,348	203— 5: 1,521,147	22: 1,521,255	242— 9: 1,521,396	265— 61: 1,520,775	35: 1,521,171
93: 1,521,262	204— 5: 1,520,850	24: 1,521,125	10: 1,521,372	267— 37: 1,521,027	299— 40: 1,520,854
115: 1,521,115	1,521,002	26: 1,520,991	18: 1,521,179	49: 1,521,020	68: 1,521,092
1,521,138	29: 1,520,724	1,521,555	27: 1,521,556	60: 1,521,452	94: 1,521,453
184— 11: 1,521,109	1,520,889	32: 1,521,398	1,521,557	268— 1: 1,521,357	98: 1,521,136
27: 1,521,267	38: 1,521,295	43: 1,521,476	84.4: 1,521,229	4: 1,521,040	121: 1,520,929
103: 1,521,272	64: 1,520,999	44: 1,521,093	86: 1,520,808	8: 1,521,162	301— 11: 1,521,538
188— 21: 1,520,941	64: 1,521,028	57: 1,520,784	139: 1,520,748	30: 1,521,284	15: 1,521,071
32: 1,521,497	1,521,402	87: 1,520,828	154: 1,521,305	55: 1,521,094	39: 1,520,777
33: 1,520,715	206— 4: 1,520,964	221— 46: 1,520,829	19: 1,521,047	93: 1,521,480	47: 1,521,320
43: 1,521,527	8: 1,520,932	47: 1,520,745	21: 1,521,118	37: 1,521,365	63: 1,520,736
78: 1,520,967	16: 1,521,310	60: 1,521,546	246— 63: 1,521,332	74: 1,520,858	1,520,810
89: 1,521,218	31: 1,521,520	62: 1,521,319	188: 1,520,798	1: 1,521,133	1,521,257
106: 1,520,773	46: 1,521,466	74: 1,520,993	240: 1,521,307	28: 1,521,478	1,521,258
130: 1,521,583	48: 1,521,460	95: 1,521,543	378: 1,521,513	33: 1,521,498	303— 6: 1,520,680
1,521,588	52: 1,521,309	102: 1,521,564	474: 1,520,774	50: 1,521,568	1,520,698
1,521,589	58: 1,521,368	222— 7: 1,521,129	348— 30: 1,521,457	57: 1,521,487	21: 1,520,707
151: 1,520,758	207— 3: 1,521,065	224— 12: 1,521,531	249— 19: 1,520,814	87: 1,520,725	304— 5: 1,520,983
1,521,170	208— 11: 1,521,540	29: 1,520,768	250— 2: 1,521,205	88: 1,521,435	305— 10: 1,521,454

OFFICIAL
GAZETTE

UNITED STATES
PATENT OFFICE

OCT. THRU DEC.

VOL 327 - 329

1924